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Cover Page

Order ID : Q1901

Project ID : Amtrak Sawtooth Bridges 2025

Client : Portal Partners Tri-Venture

Lab Sample Number	Client Sample Number
Q1901-01	B-170-SB00
Q1901-02	B-167-SB01
Q1901-03	B-170-SB01
Q1901-04	B-167-SB02
Q1901-05	B-170-SB02
Q1901-06	FB04262025
Q1901-07	TB04262025
Q1901-08	B-167-SB01
Q1901-09	B-170-SB01
Q1901-10	B-167-SB02
Q1901-11	B-170-SB02

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: 5/3/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q1901**

	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:** **05/03/2025**

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LAB CHRONICLE

OrderID:	Q1901	**OrderDate:**	4/28/2025 10:24:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1901-02	**B-167-SB01**	**SOIL**			**04/26/25**			**04/28/25**
			SVOC-TCL BNA -20	8270E		04/29/25	05/01/25	
Q1901-03	**B-170-SB01**	**SOIL**			**04/26/25**			**04/28/25**
			SVOC-TCL BNA -20	8270E		04/29/25	05/01/25	
Q1901-04	**B-167-SB02**	**SOIL**			**04/26/25**			**04/28/25**
			SVOC-TCL BNA -20	8270E		04/29/25	05/01/25	
Q1901-05	**B-170-SB02**	**SOIL**			**04/26/25**			**04/28/25**
			SVOC-TCL BNA -20	8270E		04/29/25	05/01/25	
Q1901-06	**FB04262025**	**Water**			**04/26/25**			**04/28/25**
			SVOC-TCL BNA -20	8270E		04/30/25	05/01/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1901

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**B-167-SB01**								
Q1901-02	B-167-SB01	SOIL	Phenanthrene		140.000	J	25.3	210	ug/Kg
Q1901-02	B-167-SB01	SOIL	Fluoranthene		180.000	J	36.3	210	ug/Kg
Q1901-02	B-167-SB01	SOIL	Pyrene		130.000	J	43.5	210	ug/Kg
Q1901-02	B-167-SB01	SOIL	Benzo(a)anthracene		95.000	J	27.8	210	ug/Kg
Q1901-02	B-167-SB01	SOIL	Bis(2-ethylhexyl)phthalate		160.000	J	71.6	210	ug/Kg
Q1901-02	B-167-SB01	SOIL	Benzo(b)fluoranthene		97.300	J	23	210	ug/Kg
			Total Svoc :		**802.30**				
Q1901-02	B-167-SB01	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	360.000	AB	0	0	ug/Kg
Q1901-02	B-167-SB01	SOIL	Benzophenone	*	380.000	J	0	0	ug/Kg
Q1901-02	B-167-SB01	SOIL	Heptadecyl trifluoroacetate	*	120.000	J	0	0	ug/Kg
Q1901-02	B-167-SB01	SOIL	Isopropyl palmitate	*	220.000	J	0	0	ug/Kg
Q1901-02	B-167-SB01	SOIL	n-Hexadecanoic acid	*	160.000	J	0	0	ug/Kg
Q1901-02	B-167-SB01	SOIL	Cyclotetradecane	*	130.000	J	0	0	ug/Kg
			Total Tics :		**1,370.00**				
			Total Concentration:		**2,172.30**				
Client ID :	**B-170-SB01**								
Q1901-03	B-170-SB01	SOIL	Naphthalene		690.000	J	140	1000	ug/Kg
Q1901-03	B-170-SB01	SOIL	Acenaphthene		550.000	J	130	1000	ug/Kg
Q1901-03	B-170-SB01	SOIL	Fluorene		580.000	J	150	1000	ug/Kg
Q1901-03	B-170-SB01	SOIL	Phenanthrene		5,600.000		130	1000	ug/Kg
Q1901-03	B-170-SB01	SOIL	Anthracene		1,100.000		200	1000	ug/Kg
Q1901-03	B-170-SB01	SOIL	Fluoranthene		4,700.000		180	1000	ug/Kg
Q1901-03	B-170-SB01	SOIL	Pyrene		4,500.000		220	1000	ug/Kg
Q1901-03	B-170-SB01	SOIL	Benzo(a)anthracene		2,200.000		140	1000	ug/Kg
Q1901-03	B-170-SB01	SOIL	Chrysene		2,100.000		120	1000	ug/Kg
Q1901-03	B-170-SB01	SOIL	Benzo(b)fluoranthene		2,000.000		110	1000	ug/Kg
Q1901-03	B-170-SB01	SOIL	Benzo(k)fluoranthene		590.000	J	130	1000	ug/Kg
Q1901-03	B-170-SB01	SOIL	Benzo(a)pyrene		1,600.000		180	1000	ug/Kg
Q1901-03	B-170-SB01	SOIL	Indeno(1,2,3-cd)pyrene		740.000	J	180	1000	ug/Kg
Q1901-03	B-170-SB01	SOIL	Benzo(g,h,i)perylene		980.000	J	150	1000	ug/Kg
			Total Svoc :		**27,930.00**				
Q1901-03	B-170-SB01	SOIL	11H-Benzo[b]fluorene	*	450.000	J	0	0	ug/Kg
Q1901-03	B-170-SB01	SOIL	1H-Indene, 2-phenyl-	*	700.000	J	0	0	ug/Kg
Q1901-03	B-170-SB01	SOIL	5,16[1,2]:8,13[1,2]-Dibenzen	*	470.000	J	0	0	ug/Kg
Q1901-03	B-170-SB01	SOIL	5H-Indeno[1,2-b]pyridine	*	490.000	J	0	0	ug/Kg
Q1901-03	B-170-SB01	SOIL	9,10-Anthracenedione	*	420.000	J	0	0	ug/Kg
Q1901-03	B-170-SB01	SOIL	Anthracene, 1-methyl-	*	1,500.000	J	0	0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q1901

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q1901-03	B-170-SB01	SOIL	Anthracene, 2-methyl-	*	430.000	J	0	0	ug/Kg
Q1901-03	B-170-SB01	SOIL	Phenanthrene, 1-methyl-	*	1,300.000	J	0	0	ug/Kg
Q1901-03	B-170-SB01	SOIL	Phenanthrene, 2-methyl-	*	1,100.000	J	0	0	ug/Kg
Q1901-03	B-170-SB01	SOIL	Benzo[j]fluoranthene	*	1,200.000	J	0	0	ug/Kg
Q1901-03	B-170-SB01	SOIL	Cyclopenta(def)phenanthrenone	*	550.000	J	0	0	ug/Kg
Q1901-03	B-170-SB01	SOIL	di-p-Tolylacetylene	*	710.000	J	0	0	ug/Kg
			Total Tics :		**9,320.00**				
			Total Concentration:		**37,250.00**				
Client ID :	**B-167-SB02**								
Q1901-04	B-167-SB02	SOIL	.beta.-Sitosterol	*	240.000	J	0	0	ug/Kg
Q1901-04	B-167-SB02	SOIL	1-Heneicosanol	*	770.000	J	0	0	ug/Kg
Q1901-04	B-167-SB02	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	730.000	AB	0	0	ug/Kg
Q1901-04	B-167-SB02	SOIL	Behenic alcohol	*	140.000	J	0	0	ug/Kg
Q1901-04	B-167-SB02	SOIL	Benzophenone	*	480.000	J	0	0	ug/Kg
Q1901-04	B-167-SB02	SOIL	Carbonic acid, eicosyl vinyl ester	*	330.000	J	0	0	ug/Kg
Q1901-04	B-167-SB02	SOIL	Hexacosane	*	250.000	J	0	0	ug/Kg
Q1901-04	B-167-SB02	SOIL	Hexathiane	*	290.000	J	0	0	ug/Kg
Q1901-04	B-167-SB02	SOIL	Hop-22(29)-en-3.beta.-ol	*	400.000	J	0	0	ug/Kg
Q1901-04	B-167-SB02	SOIL	n-Hexadecanoic acid	*	690.000	J	0	0	ug/Kg
Q1901-04	B-167-SB02	SOIL	Octadecanoic acid	*	210.000	J	0	0	ug/Kg
Q1901-04	B-167-SB02	SOIL	Stigmasterol	*	350.000	J	0	0	ug/Kg
Q1901-04	B-167-SB02	SOIL	unknown13.804	*	490.000	J	0	0	ug/Kg
Q1901-04	B-167-SB02	SOIL	unknown16.945	*	160.000	J	0	0	ug/Kg
			Total Tics :		**5,530.00**				
			Total Concentration:		**5,530.00**				
Client ID :	**B-170-SB02**								
Q1901-05	B-170-SB02	SOIL	1-Docosene	*	370.000	J	0	0	ug/Kg
Q1901-05	B-170-SB02	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	300.000	AB	0	0	ug/Kg
Q1901-05	B-170-SB02	SOIL	Aromandendrene	*	150.000	J	0	0	ug/Kg
Q1901-05	B-170-SB02	SOIL	Benzophenone	*	220.000	J	0	0	ug/Kg
Q1901-05	B-170-SB02	SOIL	n-Hexadecanoic acid	*	210.000	J	0	0	ug/Kg
Q1901-05	B-170-SB02	SOIL	Trifluoroacetoxy hexadecane	*	410.000	J	0	0	ug/Kg
			Total Tics :		**1,660.00**				
			Total Concentration:		**1,660.00**				
Client ID :	**FB04262025**								
Q1901-06	FB04262025	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	4.900	AB	0	0	ug/L
Q1901-06	FB04262025	WATER	1-Propanol, 2-(2-hydroxypropoxy	*	3.100	J	0	0	ug/L
			Total Tics :		**8.00**				
			Total Concentration:		**8.00**				

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Hit Summary Sheet
SW-846

SDG No.: Q1901

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units

QC
SUMMARY

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

SW-846

SDG No.: Q1901

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167779BL	PB167779BL	2-Fluorophenol	150	142	95		30 (18)	130 (112)
		Phenol-d6	150	133	89		30 (15)	130 (107)
		Nitrobenzene-d5	100	87.4	87		30 (18)	130 (107)
		2-Fluorobiphenyl	100	88.3	88		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	139	93		30 (10)	130 (116)
		Terphenyl-d14	100	106	106		30 (10)	130 (105)
PB167779BS	PB167779BS	2-Fluorophenol	150	142	95		30 (18)	130 (112)
		Phenol-d6	150	135	90		30 (15)	130 (107)
		Nitrobenzene-d5	100	86.4	86		30 (18)	130 (107)
		2-Fluorobiphenyl	100	87.2	87		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	143	95		30 (10)	130 (116)
		Terphenyl-d14	100	88.8	89		30 (10)	130 (105)
Q1901-02	B-167-SB01	2-Fluorophenol	150	97.0	65		30 (18)	130 (112)
		Phenol-d6	150	101	67		30 (15)	130 (107)
		Nitrobenzene-d5	100	76.3	76		30 (18)	130 (107)
		2-Fluorobiphenyl	100	68.7	69		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	95.5	64		30 (10)	130 (116)
		Terphenyl-d14	100	47.6	48		30 (10)	130 (105)
Q1901-02MS	B-167-SB01MS	2-Fluorophenol	150	87.3	58		30 (18)	130 (112)
		Phenol-d6	150	90.2	60		30 (15)	130 (107)
		Nitrobenzene-d5	100	68.1	68		30 (18)	130 (107)
		2-Fluorobiphenyl	100	63.1	63		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	90.8	61		30 (10)	130 (116)
		Terphenyl-d14	100	43.9	44		30 (10)	130 (105)
Q1901-02MSD	B-167-SB01MSD	2-Fluorophenol	150	85.7	57		30 (18)	130 (112)
		Phenol-d6	150	87.2	58		30 (15)	130 (107)
		Nitrobenzene-d5	100	66.9	67		30 (18)	130 (107)
		2-Fluorobiphenyl	100	61.8	62		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	89.2	59		30 (10)	130 (116)
		Terphenyl-d14	100	42.1	42		30 (10)	130 (105)
Q1901-03	B-170-SB01	2-Fluorophenol	150	80.0	53		30 (18)	130 (112)
		Phenol-d6	150	80.8	54		30 (15)	130 (107)
		Nitrobenzene-d5	100	44.8	45		30 (18)	130 (107)
		2-Fluorobiphenyl	100	44.0	44		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	79.7	53		30 (10)	130 (116)
		Terphenyl-d14	100	37.0	37		30 (10)	130 (105)
Q1901-04	B-167-SB02	2-Fluorophenol	150	119	79		30 (18)	130 (112)
		Phenol-d6	150	120	80		30 (15)	130 (107)
		Nitrobenzene-d5	100	91.3	91		30 (18)	130 (107)
		2-Fluorobiphenyl	100	73.5	74		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	122	81		30 (10)	130 (116)
		Terphenyl-d14	100	49.8	50		30 (10)	130 (105)
Q1901-05	B-170-SB02	2-Fluorophenol	150	74.0	49		30 (18)	130 (112)
		Phenol-d6	150	75.3	50		30 (15)	130 (107)
		Nitrobenzene-d5	100	56.9	57		30 (18)	130 (107)
		2-Fluorobiphenyl	100	53.8	54		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	78.2	52		30 (10)	130 (116)
		Terphenyl-d14	100	37.4	37		30 (10)	130 (105)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SW-846

SDG No.: Q1901

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167798BL	PB167798BL	2-Fluorophenol	150	113	76		15 (10)	110 (139)
		Phenol-d6	150	113	76		15 (10)	110 (134)
		Nitrobenzene-d5	100	80.3	80		30 (49)	130 (133)
		2-Fluorobiphenyl	100	70.4	70		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	118	79		15 (44)	110 (137)
		Terphenyl-d14	100	64.3	64		30 (48)	130 (125)
PB167798BS	PB167798BS	2-Fluorophenol	150	111	74		15 (10)	110 (139)
		Phenol-d6	150	113	75		15 (10)	110 (134)
		Nitrobenzene-d5	100	78.7	79		30 (49)	130 (133)
		2-Fluorobiphenyl	100	69.2	69		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	131	87		15 (44)	110 (137)
		Terphenyl-d14	100	73.5	74		30 (48)	130 (125)
PB167798BSD	PB167798BSD	2-Fluorophenol	150	108	72		15 (10)	110 (139)
		Phenol-d6	150	110	74		15 (10)	110 (134)
		Nitrobenzene-d5	100	80.3	80		30 (49)	130 (133)
		2-Fluorobiphenyl	100	68.2	68		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	130	87		15 (44)	110 (137)
		Terphenyl-d14	100	73.8	74		30 (48)	130 (125)
Q1901-06	FB04262025	2-Fluorophenol	150	53.2	35		15 (10)	110 (139)
		Phenol-d6	150	32.1	21		15 (10)	110 (134)
		Nitrobenzene-d5	100	90.8	91		30 (49)	130 (133)
		2-Fluorobiphenyl	100	80.0	80		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	120	80		15 (44)	110 (137)
		Terphenyl-d14	100	59.1	59		30 (48)	130 (125)

( ) = LABORATORY INHOUSE LIMIT

Alliance TECHNICAL GROUP
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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1901

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: Q1901-02MS		**Client Sample ID: B-167-SB01MS**						**DataFile:**	**BF142269.D**		
Benzaldehyde	2000	0	1100	ug/Kg	55				20 (10)	160 (86)	
Phenol	2000	0	1800	ug/Kg	90				20 (67)	160 (126)	
bis(2-Chloroethyl)ether	2000	0	1800	ug/Kg	90				70 (54)	130 (125)	
2-Chlorophenol	2000	0	1800	ug/Kg	90				70 (79)	130 (107)	
2-Methylphenol	2000	0	1700	ug/Kg	85				70 (66)	130 (122)	
2,2-oxybis(1-Chloropropane)	2000	0	1800	ug/Kg	90				70 (65)	130 (110)	
Acetophenone	2000	0	1800	ug/Kg	90				70 (75)	130 (111)	
3+4-Methylphenols	2000	0	1700	ug/Kg	85				20 (66)	160 (104)	
N-Nitroso-di-n-propylamine	2000	0	1700	ug/Kg	85				70 (59)	130 (119)	
Hexachloroethane	2000	0	1900	ug/Kg	95				20 (65)	160 (117)	
Nitrobenzene	2000	0	2100	ug/Kg	105				70 (70)	130 (119)	
Isophorone	2000	0	1800	ug/Kg	90				70 (76)	130 (122)	
2-Nitrophenol	2000	0	2200	ug/Kg	110				70 (54)	130 (145)	
2,4-Dimethylphenol	2000	0	1800	ug/Kg	90				70 (44)	130 (135)	
bis(2-Chloroethoxy)methane	2000	0	1800	ug/Kg	90				70 (68)	130 (112)	
2,4-Dichlorophenol	2000	0	1800	ug/Kg	90				70 (72)	130 (118)	
Naphthalene	2000	0	1800	ug/Kg	90				70 (72)	130 (110)	
4-Chloroaniline	2000	0	420	ug/Kg	21	*			70 (10)	130 (91)	
Hexachlorobutadiene	2000	0	1900	ug/Kg	95				70 (66)	130 (114)	
Caprolactam	2000	0	1700	ug/Kg	85				20 (51)	160 (134)	
4-Chloro-3-methylphenol	2000	0	1700	ug/Kg	85				70 (57)	130 (132)	
2-Methylnaphthalene	2000	0	1700	ug/Kg	85				70 (59)	130 (123)	
Hexachlorocyclopentadiene	4000	0	4000	ug/Kg	100				20 (10)	160 (175)	
2,4,6-Trichlorophenol	2000	0	2100	ug/Kg	105				70 (72)	130 (117)	
2,4,5-Trichlorophenol	2000	0	1900	ug/Kg	95				70 (72)	130 (117)	
1,1-Biphenyl	2000	0	1900	ug/Kg	95				70 (75)	130 (113)	
2-Chloronaphthalene	2000	0	1900	ug/Kg	95				70 (67)	130 (118)	
2-Nitroaniline	2000	0	1900	ug/Kg	95				70 (69)	130 (127)	
Dimethylphthalate	2000	0	1900	ug/Kg	95				70 (70)	130 (113)	
Acenaphthylene	2000	0	1800	ug/Kg	90				70 (79)	130 (118)	
2,6-Dinitrotoluene	2000	0	2000	ug/Kg	100				70 (70)	130 (125)	
3-Nitroaniline	2000	0	1000	ug/Kg	50	*			70 (30)	130 (99)	
Acenaphthene	2000	0	1900	ug/Kg	95				70 (70)	130 (121)	
2,4-Dinitrophenol	4000	0	3300	ug/Kg	83				20 (10)	160 (155)	
4-Nitrophenol	4000	0	3700	ug/Kg	93				20 (45)	160 (133)	
Dibenzofuran	2000	0	1800	ug/Kg	90				70 (72)	130 (110)	
2,4-Dinitrotoluene	2000	0	1900	ug/Kg	95				70 (55)	130 (128)	
Diethylphthalate	2000	0	1800	ug/Kg	90				70 (70)	130 (112)	
4-Chlorophenyl-phenylether	2000	0	1800	ug/Kg	90				70 (71)	130 (108)	
Fluorene	2000	0	1700	ug/Kg	85				70 (68)	130 (116)	
4-Nitroaniline	2000	0	1600	ug/Kg	80				70 (55)	130 (120)	
4,6-Dinitro-2-methylphenol	2000	0	2100	ug/Kg	105				70 (10)	130 (160)	
N-Nitrosodiphenylamine	2000	0	2100	ug/Kg	105				70 (73)	130 (118)	
4-Bromophenyl-phenylether	2000	0	2100	ug/Kg	105				70 (65)	130 (121)	
Hexachlorobenzene	2000	0	2000	ug/Kg	100				70 (67)	130 (118)	
Atrazine	2000	0	2200	ug/Kg	110				70 (79)	130 (127)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1901

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	4000	0	4100	ug/Kg	103				20 (47)	160 (128)	
Phenanthrene	2000	140	2000	ug/Kg	93				70 (52)	130 (128)	
Anthracene	2000	0	1900	ug/Kg	95				70 (62)	130 (124)	
Carbazole	2000	0	1800	ug/Kg	90				70 (59)	130 (119)	
Di-n-butylphthalate	2000	0	2300	ug/Kg	115				70 (69)	130 (118)	
Fluoranthene	2000	180	2000	ug/Kg	91				70 (44)	130 (125)	
Pyrene	2000	130	1400	ug/Kg	64	*			70 (26)	130 (142)	
Butylbenzylphthalate	2000	0	2100	ug/Kg	105				70 (64)	130 (126)	
3,3-Dichlorobenzidine	2000	0	1300	ug/Kg	65	*			70 (33)	130 (116)	
Benzo(a)anthracene	2000	95.0	1900	ug/Kg	90				70 (71)	130 (114)	
Chrysene	2000	0	1900	ug/Kg	95				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	2000	160	2100	ug/Kg	97				70 (42)	130 (169)	
Di-n-octyl phthalate	2000	0	2200	ug/Kg	110				70 (23)	130 (175)	
Benzo(b)fluoranthene	2000	97.3	2000	ug/Kg	95				70 (67)	130 (121)	
Benzo(k)fluoranthene	2000	0	1900	ug/Kg	95				70 (57)	130 (134)	
Benzo(a)pyrene	2000	0	1900	ug/Kg	95				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	2000	0	1400	ug/Kg	70				70 (40)	130 (129)	
Dibenz(a,h)anthracene	2000	0	1400	ug/Kg	70				70 (43)	130 (123)	
Benzo(g,h,i)perylene	2000	0	1300	ug/Kg	65	*			70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	2000	0	2000	ug/Kg	100				70 (69)	130 (124)	
1,4-Dioxane	2000	0	1600	ug/Kg	80				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	2000	0	1800	ug/Kg	90				70 (69)	130 (112)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1901

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: Q1901-02MSD		**Client Sample ID: B-167-SB01MSD**						**DataFile: BF142270.D**			
Benzaldehyde	2000	0	1100	ug/Kg	55		0		20 (10)	160 (86)	30 (20)
Phenol	2000	0	1700	ug/Kg	85		6		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	2000	0	1700	ug/Kg	85		6		70 (54)	130 (125)	30 (20)
2-Chlorophenol	2000	0	1800	ug/Kg	90		0		70 (79)	130 (107)	30 (20)
2-Methylphenol	2000	0	1700	ug/Kg	85		0		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	2000	0	1800	ug/Kg	90		0		70 (65)	130 (110)	30 (20)
Acetophenone	2000	0	1700	ug/Kg	85		6		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	2000	0	1700	ug/Kg	85		0		20 (66)	160 (104)	30 (20)
N-Nitroso-di-n-propylamine	2000	0	1700	ug/Kg	85		0		70 (59)	130 (119)	30 (20)
Hexachloroethane	2000	0	1800	ug/Kg	90		5		20 (65)	160 (117)	30 (20)
Nitrobenzene	2000	0	2000	ug/Kg	100		5		70 (70)	130 (119)	30 (20)
Isophorone	2000	0	1700	ug/Kg	85		6		70 (76)	130 (122)	30 (20)
2-Nitrophenol	2000	0	2200	ug/Kg	110		0		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	2000	0	1700	ug/Kg	85		6		70 (44)	130 (135)	30 (20)
bis(2-Chloroethoxy)methane	2000	0	1800	ug/Kg	90		0		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	2000	0	1800	ug/Kg	90		0		70 (72)	130 (118)	30 (20)
Naphthalene	2000	0	1700	ug/Kg	85		6		70 (72)	130 (110)	30 (20)
4-Chloroaniline	2000	0	480	ug/Kg	24	*	13		70 (10)	130 (91)	30 (20)
Hexachlorobutadiene	2000	0	1900	ug/Kg	95		0		70 (66)	130 (114)	30 (20)
Caprolactam	2000	0	1600	ug/Kg	80		6		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	2000	0	1600	ug/Kg	80		6		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	2000	0	1700	ug/Kg	85		0		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	4000	0	4000	ug/Kg	100		0		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	2000	0	2000	ug/Kg	100		5		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	2000	0	1900	ug/Kg	95		0		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	2000	0	1900	ug/Kg	95		0		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	2000	0	1800	ug/Kg	90		5		70 (67)	130 (118)	30 (20)
2-Nitroaniline	2000	0	1900	ug/Kg	95		0		70 (69)	130 (127)	30 (20)
Dimethylphthalate	2000	0	1800	ug/Kg	90		5		70 (70)	130 (113)	30 (20)
Acenaphthylene	2000	0	1800	ug/Kg	90		0		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	2000	0	1900	ug/Kg	95		5		70 (70)	130 (125)	30 (20)
3-Nitroaniline	2000	0	1000	ug/Kg	50	*	0		70 (30)	130 (99)	30 (20)
Acenaphthene	2000	0	1900	ug/Kg	95		0		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	4000	0	3400	ug/Kg	85		2		20 (10)	160 (155)	30 (20)
4-Nitrophenol	4000	0	3600	ug/Kg	90		3		20 (45)	160 (133)	30 (20)
Dibenzofuran	2000	0	1700	ug/Kg	85		6		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	2000	0	1900	ug/Kg	95		0		70 (55)	130 (128)	30 (20)
Diethylphthalate	2000	0	1800	ug/Kg	90		0		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	2000	0	1700	ug/Kg	85		6		70 (71)	130 (108)	30 (20)
Fluorene	2000	0	1700	ug/Kg	85		0		70 (68)	130 (116)	30 (20)
4-Nitroaniline	2000	0	1600	ug/Kg	80		0		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	2000	0	2100	ug/Kg	105		0		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	2000	0	1900	ug/Kg	95		10		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	2000	0	2000	ug/Kg	100		5		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	2000	0	1900	ug/Kg	95		5		70 (67)	130 (118)	30 (20)
Atrazine	2000	0	2100	ug/Kg	105		5		70 (79)	130 (127)	30 (20)

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1901

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	4000	0	3900	ug/Kg	98		5		20 (47)	160 (128)	30 (20)
Phenanthrene	2000	140	1900	ug/Kg	88		6		70 (52)	130 (128)	30 (20)
Anthracene	2000	0	1800	ug/Kg	90		5		70 (62)	130 (124)	30 (20)
Carbazole	2000	0	1700	ug/Kg	85		6		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	2000	0	2200	ug/Kg	110		4		70 (69)	130 (118)	30 (20)
Fluoranthene	2000	180	1900	ug/Kg	86		6		70 (44)	130 (125)	30 (20)
Pyrene	2000	130	1400	ug/Kg	64	*	0		70 (26)	130 (142)	30 (20)
Butylbenzylphthalate	2000	0	2000	ug/Kg	100		5		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	2000	0	1400	ug/Kg	70		7		70 (33)	130 (116)	30 (20)
Benzo(a)anthracene	2000	95.0	1800	ug/Kg	85		6		70 (71)	130 (114)	30 (20)
Chrysene	2000	0	1800	ug/Kg	90		5		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	2000	160	2100	ug/Kg	97		0		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	2000	0	2100	ug/Kg	105		5		70 (23)	130 (175)	30 (20)
Benzo(b)fluoranthene	2000	97.3	2000	ug/Kg	95		0		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	2000	0	1800	ug/Kg	90		5		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	2000	0	1900	ug/Kg	95		0		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	2000	0	1300	ug/Kg	65	*	7		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	2000	0	1300	ug/Kg	65	*	7		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	2000	0	1200	ug/Kg	60	*	8		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	2000	0	1900	ug/Kg	95		5		70 (69)	130 (124)	30 (20)
1,4-Dioxane	2000	0	1500	ug/Kg	75		6		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	2000	0	1800	ug/Kg	90		0		70 (69)	130 (112)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1901

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF142252.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167798BS	Benzaldehyde	50	25.4	ug/L	51				20 (10)	160 (162)	
	Phenol	50	41.2	ug/L	82				20 (66)	160 (118)	
	bis(2-Chloroethyl)ether	50	40.9	ug/L	82				70 (62)	130 (103)	
	2-Chlorophenol	50	42.6	ug/L	85				70 (70)	130 (117)	
	2-Methylphenol	50	41.9	ug/L	84				70 (69)	130 (109)	
	2,2-oxybis(1-Chloropropane)	50	41.6	ug/L	83				70 (65)	130 (100)	
	Acetophenone	50	40.1	ug/L	80				70 (60)	130 (104)	
	3+4-Methylphenols	50	41.5	ug/L	83				20 (67)	160 (106)	
	N-Nitroso-di-n-propylamine	50	40.8	ug/L	82				70 (57)	130 (107)	
	Hexachloroethane	50	42.0	ug/L	84				20 (76)	160 (118)	
	Nitrobenzene	50	44.5	ug/L	89				70 (58)	130 (106)	
	Isophorone	50	41.5	ug/L	83				70 (61)	130 (102)	
	2-Nitrophenol	50	41.8	ug/L	84				70 (70)	130 (115)	
	2,4-Dimethylphenol	50	42.1	ug/L	84				70 (42)	130 (142)	
	bis(2-Chloroethoxy)methane	50	41.0	ug/L	82				70 (58)	130 (109)	
	2,4-Dichlorophenol	50	42.8	ug/L	86				70 (66)	130 (115)	
	Naphthalene	50	40.4	ug/L	81				70 (64)	130 (107)	
	4-Chloroaniline	50	6.60	ug/L	13		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	41.5	ug/L	83				70 (69)	130 (101)	
	Caprolactam	50	45.6	ug/L	91				20 (58)	160 (128)	
	4-Chloro-3-methylphenol	50	43.3	ug/L	87				70 (65)	130 (114)	
	2-Methylnaphthalene	50	40.5	ug/L	81				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	88.9	ug/L	89				20 (36)	160 (160)	
	2,4,6-Trichlorophenol	50	43.8	ug/L	88				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	45.4	ug/L	91				70 (70)	130 (106)	
	1,1-Biphenyl	50	40.9	ug/L	82				70 (72)	130 (98)	
	2-Chloronaphthalene	50	40.7	ug/L	81				70 (59)	130 (106)	
	2-Nitroaniline	50	43.1	ug/L	86				70 (73)	130 (114)	
	Dimethylphthalate	50	43.0	ug/L	86				70 (64)	130 (103)	
	Acenaphthylene	50	41.2	ug/L	82				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	43.8	ug/L	88				70 (64)	130 (110)	
	3-Nitroaniline	50	19.5	ug/L	39		*		70 (28)	130 (100)	
	Acenaphthene	50	43.9	ug/L	88				70 (59)	130 (113)	
	2,4-Dinitrophenol	100	84.5	ug/L	85				20 (36)	160 (166)	
	4-Nitrophenol	100	100	ug/L	100				20 (45)	160 (147)	
	Dibenzofuran	50	40.8	ug/L	82				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	48.4	ug/L	97				70 (60)	130 (115)	
	Diethylphthalate	50	43.7	ug/L	87				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	40.7	ug/L	81				70 (61)	130 (104)	
	Fluorene	50	41.1	ug/L	82				70 (64)	130 (107)	
	4-Nitroaniline	50	44.5	ug/L	89				70 (55)	130 (125)	
	4,6-Dinitro-2-methylphenol	50	44.4	ug/L	89				70 (62)	130 (132)	
	N-Nitrosodiphenylamine	50	40.9	ug/L	82				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	42.0	ug/L	84				70 (73)	130 (103)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1901

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF142252.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167798BS	Hexachlorobenzene	50	41.7	ug/L	83				70 (73)	130 (106)	
	Atrazine	50	45.4	ug/L	91				70 (76)	130 (120)	
	Pentachlorophenol	100	93.2	ug/L	93				20 (47)	160 (114)	
	Phenanthrene	50	40.0	ug/L	80				70 (62)	130 (109)	
	Anthracene	50	40.9	ug/L	82				70 (65)	130 (110)	
	Carbazole	50	41.5	ug/L	83				70 (62)	130 (106)	
	Di-n-butylphthalate	50	45.2	ug/L	90				70 (64)	130 (106)	
	Fluoranthene	50	41.9	ug/L	84				70 (64)	130 (110)	
	Pyrene	50	42.9	ug/L	86				70 (71)	130 (103)	
	Butylbenzylphthalate	50	45.3	ug/L	91				70 (61)	130 (105)	
	3,3-Dichlorobenzidine	50	11.7	ug/L	23		*		70 (43)	130 (108)	
	Benzo(a)anthracene	50	41.2	ug/L	82				70 (62)	130 (107)	
	Chrysene	50	43.6	ug/L	87				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	40.8	ug/L	82				70 (59)	130 (110)	
	Di-n-octyl phthalate	50	41.0	ug/L	82				70 (52)	130 (139)	
	Benzo(b)fluoranthene	50	44.1	ug/L	88				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	39.7	ug/L	79				70 (77)	130 (105)	
	Benzo(a)pyrene	50	42.5	ug/L	85				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	42.2	ug/L	84				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	42.3	ug/L	85				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	42.0	ug/L	84				70 (75)	130 (118)	
	1,2,4,5-Tetrachlorobenzene	50	40.0	ug/L	80				70 (72)	130 (101)	
	1,4-Dioxane	50	34.0	ug/L	68				20 (38)	160 (125)	
	2,3,4,6-Tetrachlorophenol	50	44.9	ug/L	90				70 (63)	130 (116)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1901

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF142253.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167798BSD	Benzaldehyde	50	24.3	ug/L	49	4			20 (10)	160 (162)	20 (20)
	Phenol	50	40.3	ug/L	81	2			20 (66)	160 (118)	20 (20)
	bis(2-Chloroethyl)ether	50	40.2	ug/L	80	2			70 (62)	130 (103)	20 (20)
	2-Chlorophenol	50	42.5	ug/L	85	0			70 (70)	130 (117)	20 (20)
	2-Methylphenol	50	41.8	ug/L	84	0			70 (69)	130 (109)	20 (20)
	2,2-oxybis(1-Chloropropane)	50	41.0	ug/L	82	1			70 (65)	130 (100)	20 (20)
	Acetophenone	50	39.7	ug/L	79	1			70 (60)	130 (104)	20 (20)
	3+4-Methylphenols	50	41.3	ug/L	83	0			20 (67)	160 (106)	20 (20)
	N-Nitroso-di-n-propylamine	50	40.6	ug/L	81	0			70 (57)	130 (107)	20 (20)
	Hexachloroethane	50	41.3	ug/L	83	2			20 (76)	160 (118)	20 (20)
	Nitrobenzene	50	45.3	ug/L	91	2			70 (58)	130 (106)	20 (20)
	Isophorone	50	41.1	ug/L	82	1			70 (61)	130 (102)	20 (20)
	2-Nitrophenol	50	46.3	ug/L	93	10			70 (70)	130 (115)	20 (20)
	2,4-Dimethylphenol	50	42.5	ug/L	85	1			70 (42)	130 (142)	20 (20)
	bis(2-Chloroethoxy)methane	50	41.0	ug/L	82	0			70 (58)	130 (109)	20 (20)
	2,4-Dichlorophenol	50	43.3	ug/L	87	1			70 (66)	130 (115)	20 (20)
	Naphthalene	50	39.8	ug/L	80	1			70 (64)	130 (107)	20 (20)
	4-Chloroaniline	50	9.00	ug/L	18	31	*	*	70 (10)	130 (85)	20 (20)
	Hexachlorobutadiene	50	41.1	ug/L	82	1			70 (69)	130 (101)	20 (20)
	Caprolactam	50	46.4	ug/L	93	2			20 (58)	160 (128)	20 (20)
	4-Chloro-3-methylphenol	50	43.4	ug/L	87	0			70 (65)	130 (114)	20 (20)
	2-Methylnaphthalene	50	40.2	ug/L	80	1			70 (64)	130 (107)	20 (20)
	Hexachlorocyclopentadiene	100	89.1	ug/L	89	0			20 (36)	160 (160)	20 (20)
	2,4,6-Trichlorophenol	50	45.2	ug/L	90	3			70 (61)	130 (110)	20 (20)
	2,4,5-Trichlorophenol	50	44.8	ug/L	90	1			70 (70)	130 (106)	20 (20)
	1,1-Biphenyl	50	40.3	ug/L	81	1			70 (72)	130 (98)	20 (20)
	2-Chloronaphthalene	50	40.5	ug/L	81	0			70 (59)	130 (106)	20 (20)
	2-Nitroaniline	50	45.4	ug/L	91	5			70 (73)	130 (114)	20 (20)
	Dimethylphthalate	50	42.7	ug/L	85	1			70 (64)	130 (103)	20 (20)
	Acenaphthylene	50	40.8	ug/L	82	1			70 (79)	130 (103)	20 (20)
	2,6-Dinitrotoluene	50	45.6	ug/L	91	4			70 (64)	130 (110)	20 (20)
	3-Nitroaniline	50	22.4	ug/L	45	14	*		70 (28)	130 (100)	20 (20)
	Acenaphthene	50	44.0	ug/L	88	0			70 (59)	130 (113)	20 (20)
	2,4-Dinitrophenol	100	91.6	ug/L	92	8			20 (36)	160 (166)	20 (20)
	4-Nitrophenol	100	100	ug/L	100	0			20 (45)	160 (147)	20 (20)
	Dibenzofuran	50	40.7	ug/L	81	0			70 (65)	130 (106)	20 (20)
	2,4-Dinitrotoluene	50	49.3	ug/L	99	2			70 (60)	130 (115)	20 (20)
	Diethylphthalate	50	43.2	ug/L	86	1			70 (63)	130 (105)	20 (20)
	4-Chlorophenyl-phenylether	50	41.3	ug/L	83	1			70 (61)	130 (104)	20 (20)
	Fluorene	50	40.7	ug/L	81	1			70 (64)	130 (107)	20 (20)
	4-Nitroaniline	50	45.3	ug/L	91	2			70 (55)	130 (125)	20 (20)
	4,6-Dinitro-2-methylphenol	50	48.7	ug/L	97	9			70 (62)	130 (132)	20 (20)
	N-Nitrosodiphenylamine	50	41.3	ug/L	83	1			70 (61)	130 (109)	20 (20)
	4-Bromophenyl-phenylether	50	42.4	ug/L	85	1			70 (73)	130 (103)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1901

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF142253.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167798BSD	Hexachlorobenzene	50	42.2	ug/L	84	1			70 (73)	130 (106)	20 (20)
	Atrazine	50	47.1	ug/L	94	4			70 (76)	130 (120)	20 (20)
	Pentachlorophenol	100	94.7	ug/L	95	2			20 (47)	160 (114)	20 (20)
	Phenanthrene	50	40.7	ug/L	81	2			70 (62)	130 (109)	20 (20)
	Anthracene	50	41.3	ug/L	83	1			70 (65)	130 (110)	20 (20)
	Carbazole	50	42.1	ug/L	84	1			70 (62)	130 (106)	20 (20)
	Di-n-butylphthalate	50	45.2	ug/L	90	0			70 (64)	130 (106)	20 (20)
	Fluoranthene	50	41.8	ug/L	84	0			70 (64)	130 (110)	20 (20)
	Pyrene	50	43.0	ug/L	86	0			70 (71)	130 (103)	20 (20)
	Butylbenzylphthalate	50	45.7	ug/L	91	1			70 (61)	130 (105)	20 (20)
	3,3-Dichlorobenzidine	50	14.2	ug/L	28	19	*		70 (43)	130 (108)	20 (20)
	Benzo(a)anthracene	50	41.3	ug/L	83	0			70 (62)	130 (107)	20 (20)
	Chrysene	50	43.0	ug/L	86	1			70 (61)	130 (108)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	40.6	ug/L	81	0			70 (59)	130 (110)	20 (20)
	Di-n-octyl phthalate	50	41.5	ug/L	83	1			70 (52)	130 (139)	20 (20)
	Benzo(b)fluoranthene	50	39.3	ug/L	79	12			70 (77)	130 (113)	20 (20)
	Benzo(k)fluoranthene	50	44.5	ug/L	89	11			70 (77)	130 (105)	20 (20)
	Benzo(a)pyrene	50	42.6	ug/L	85	0			70 (72)	130 (131)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	42.8	ug/L	86	1			70 (72)	130 (105)	20 (20)
	Dibenz(a,h)anthracene	50	43.0	ug/L	86	2			70 (78)	130 (115)	20 (20)
	Benzo(g,h,i)perylene	50	43.1	ug/L	86	3			70 (75)	130 (118)	20 (20)
	1,2,4,5-Tetrachlorobenzene	50	39.5	ug/L	79	1			70 (72)	130 (101)	20 (20)
	1,4-Dioxane	50	33.5	ug/L	67	1			20 (38)	160 (125)	20 (20)
	2,3,4,6-Tetrachlorophenol	50	46.2	ug/L	92	3			70 (63)	130 (116)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1901

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BM050064.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167779BS	Benzaldehyde	1700	890	ug/Kg	52				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	1500	ug/Kg	88				70 (65)	130 (112)	
	2-Methylphenol	1700	1400	ug/Kg	82				70 (61)	130 (108)	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				70 (51)	130 (100)	
	Acetophenone	1700	1600	ug/Kg	94				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1400	ug/Kg	82				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1300	ug/Kg	76				70 (63)	130 (95)	
	Hexachloroethane	1700	1500	ug/Kg	88				20 (72)	160 (108)	
	Nitrobenzene	1700	1600	ug/Kg	94				70 (57)	130 (101)	
	Isophorone	1700	1400	ug/Kg	82				70 (59)	130 (99)	
	2-Nitrophenol	1700	1500	ug/Kg	88				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	1500	ug/Kg	88				70 (46)	130 (141)	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				70 (62)	130 (107)	
	Naphthalene	1700	1500	ug/Kg	88				70 (62)	130 (100)	
	4-Chloroaniline	1700	610	ug/Kg	36		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				70 (53)	130 (98)	
	Caprolactam	1700	1300	ug/Kg	76				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	3700	ug/Kg	112				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	1600	ug/Kg	94				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				70 (58)	130 (99)	
	2-Nitroaniline	1700	1600	ug/Kg	94				70 (66)	130 (101)	
	Dimethylphthalate	1700	1400	ug/Kg	82				70 (61)	130 (99)	
	Acenaphthylene	1700	1500	ug/Kg	88				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				70 (61)	130 (104)	
	3-Nitroaniline	1700	800	ug/Kg	47		*		70 (28)	130 (100)	
	Acenaphthene	1700	1500	ug/Kg	88				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	2800	ug/Kg	85				20 (37)	160 (128)	
	4-Nitrophenol	3300	3000	ug/Kg	91				20 (48)	160 (119)	
	Dibenzofuran	1700	1500	ug/Kg	88				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				70 (60)	130 (106)	
	Diethylphthalate	1700	1400	ug/Kg	82				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	1400	ug/Kg	82				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	1500	ug/Kg	88				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.: Q1901

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BM050064.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167779BS	Hexachlorobenzene	1700	1600	ug/Kg	94				70 (64)	130 (98)	
	Atrazine	1700	1500	ug/Kg	88				70 (47)	130 (152)	
	Pentachlorophenol	3300	3700	ug/Kg	112				20 (67)	160 (105)	
	Phenanthrene	1700	1600	ug/Kg	94				70 (59)	130 (103)	
	Anthracene	1700	1600	ug/Kg	94				70 (61)	130 (105)	
	Carbazole	1700	1600	ug/Kg	94				70 (61)	130 (99)	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				70 (58)	130 (104)	
	Fluoranthene	1700	1600	ug/Kg	94				70 (57)	130 (107)	
	Pyrene	1700	1600	ug/Kg	94				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1500	ug/Kg	88				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	830	ug/Kg	49		*		70 (42)	130 (91)	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				70 (60)	130 (102)	
	Chrysene	1700	1500	ug/Kg	88				70 (59)	130 (101)	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				70 (54)	130 (135)	
	Di-n-octyl phthalate	1700	1400	ug/Kg	82				70 (52)	130 (137)	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1700	ug/Kg	100				70 (53)	130 (101)	
	1,4-Dioxane	1700	1300	ug/Kg	76				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				70 (59)	130 (108)	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167779BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

Lab File ID: BM050063.D Lab Sample ID: PB167779BL

Instrument ID: BNA_M Date Extracted: 04/29/2025

Matrix: (soil/water) SOIL Date Analyzed: 05/01/2025

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167779BS	PB167779BS	BM050064.D	05/01/2025
B-170-SB01	Q1901-03	BM050074.D	05/01/2025
B-167-SB01	Q1901-02	BF142268.D	05/01/2025
B-167-SB01MS	Q1901-02MS	BF142269.D	05/01/2025
B-167-SB01MSD	Q1901-02MSD	BF142270.D	05/01/2025
B-167-SB02	Q1901-04	BF142271.D	05/01/2025
B-170-SB02	Q1901-05	BF142272.D	05/01/2025

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167798BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

Lab File ID: BF142251.D Lab Sample ID: PB167798BL

Instrument ID: BNA_F Date Extracted: 04/30/2025

Matrix: (soil/water) Water Date Analyzed: 05/01/2025

Level: (low/med) LOW Time Analyzed: 10:45

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167798BS	PB167798BS	BF142252.D	05/01/2025
PB167798BSD	PB167798BSD	BF142253.D	05/01/2025
FB04262025	Q1901-06	BF142267.D	05/01/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1901 SDG NO.: Q1901

Lab File ID: BF142238.D DFTPP Injection Date: 04/30/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.6
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	27.3
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	37.1
197	Less than 2.0% of mass 198	0.7
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.3
275	10.0 - 60.0% of mass 198	22.8
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	15.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.9 (19.9) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF142239.D	04/30/2025	11:24
SSTDICC005	SSTDICC005	BF142240.D	04/30/2025	11:52
SSTDICC010	SSTDICC010	BF142241.D	04/30/2025	12:20
SSTDICC020	SSTDICC020	BF142242.D	04/30/2025	12:49
SSTDICCC040	SSTDICCC040	BF142243.D	04/30/2025	13:17
SSTDICC050	SSTDICC050	BF142244.D	04/30/2025	13:46
SSTDICC060	SSTDICC060	BF142245.D	04/30/2025	14:15
SSTDICC080	SSTDICC080	BF142246.D	04/30/2025	14:43

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1901 SDG NO.: Q1901

Lab File ID: BF142249.D DFTPP Injection Date: 05/01/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:48

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39.4
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	31.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	42.4
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.9
275	10.0 - 60.0% of mass 198	23.8
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 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	BF142250.D	05/01/2025	10:17
PB167798BL	PB167798BL	BF142251.D	05/01/2025	10:45
PB167798BS	PB167798BS	BF142252.D	05/01/2025	11:13
PB167798BSD	PB167798BSD	BF142253.D	05/01/2025	11:42
FB04262025	Q1901-06	BF142267.D	05/01/2025	18:26
B-167-SB01	Q1901-02	BF142268.D	05/01/2025	18:55
B-167-SB01MS	Q1901-02MS	BF142269.D	05/01/2025	19:24
B-167-SB01MSD	Q1901-02MSD	BF142270.D	05/01/2025	19:52
B-167-SB02	Q1901-04	BF142271.D	05/01/2025	20:20
B-170-SB02	Q1901-05	BF142272.D	05/01/2025	20:49

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1901 SDG NO.: Q1901

Lab File ID: BM050023.D DFTPP Injection Date: 04/28/2025

Instrument ID: BNA_M DFTPP Injection Time: 11:46

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	23.8
68	Less than 2.0% of mass 69	0.4 (1.3) 1
69	Mass 69 relative abundance	28.5
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	35.7
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	26.2
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	11.6
442	Greater than 50% of mass 198	74.7
443	15.0 - 24.0% of mass 442	14.4 (19.3) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BM050024.D	04/28/2025	12:30
SSTDICC005	SSTDICC005	BM050025.D	04/28/2025	13:09
SSTDICC010	SSTDICC010	BM050026.D	04/28/2025	13:48
SSTDICC020	SSTDICC020	BM050027.D	04/28/2025	14:27
SSTDICCC040	SSTDICCC040	BM050028.D	04/28/2025	15:06
SSTDICC050	SSTDICC050	BM050029.D	04/28/2025	15:45
SSTDICC060	SSTDICC060	BM050030.D	04/28/2025	16:24
SSTDICC080	SSTDICC080	BM050031.D	04/28/2025	17:04

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1901 SDG NO.: Q1901

Lab File ID: BM050061.D DFTPP Injection Date: 05/01/2025

Instrument ID: BNA_M DFTPP Injection Time: 12:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	22.1
68	Less than 2.0% of mass 69	0.4 (1.5) 1
69	Mass 69 relative abundance	26.4
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	34.3
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	27
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	12.6
442	Greater than 50% of mass 198	81.4
443	15.0 - 24.0% of mass 442	15.5 (19.1) 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	BM050062.D	05/01/2025	13:25
PB167779BL	PB167779BL	BM050063.D	05/01/2025	14:04
PB167779BS	PB167779BS	BM050064.D	05/01/2025	14:43
B-170-SB01	Q1901-03	BM050074.D	05/01/2025	21:18

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/01/2025

Lab File ID: BF142250.D Time Analyzed: 10:17

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	186578	6.91	719586	8.19	381198	9.95
	UPPER LIMIT	373156	7.41	1439170	8.692	762396	10.445
	LOWER LIMIT	93289	6.41	359793	7.692	190599	9.445
	EPA SAMPLE NO.						
01	PB167798BL	227901	6.90	877397	8.19	467254	9.95
02	PB167798BS	225762	6.91	889454	8.19	464234	9.95
03	PB167798BSD	228844	6.91	895505	8.19	472033	9.95
04	B-167-SB01	204691	6.90	764165	8.19	363631	9.94
05	B-167-SB01MS	207729	6.91	776941	8.19	359640	9.95
06	B-167-SB01MSD	204570	6.91	762454	8.19	351872	9.95
07	B-167-SB02	201306	6.90	748548	8.19	358843	9.94
08	FB04262025	201475	6.90	750141	8.19	355308	9.94
09	B-170-SB02	191116	6.90	720969	8.19	342220	9.94

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.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/01/2025

Lab File ID: BF142250.D Time Analyzed: 10:17

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	647816	11.433	384442	14.074	349272	15.562
	UPPER LIMIT	1295630	11.933	768884	14.574	698544	16.062
	LOWER LIMIT	323908	10.933	192221	13.574	174636	15.062
	EPA SAMPLE NO.						
01	PB167798BL	826787	11.43	587490	14.07	406867	15.56
02	PB167798BS	800889	11.43	447227	14.07	448663	15.56
03	PB167798BSD	796412	11.43	445019	14.07	441873	15.56
04	B-167-SB01	501735	11.43	437339	14.07	454707	15.56
05	B-167-SB01MS	495470	11.43	427878	14.07	472653	15.56
06	B-167-SB01MSD	496148	11.43	429879	14.07	473333	15.56
07	B-167-SB02	508457	11.43	449365	14.07	455676	15.56
08	FB04262025	506536	11.43	447799	14.07	425092	15.56
09	B-170-SB02	490996	11.43	440399	14.06	434416	15.56

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.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/01/2025

Lab File ID: BM050062.D Time Analyzed: 13:25

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	329367	7.757	1090200	10.55	636680	14.40
	UPPER LIMIT	658734	8.257	2180400	11.045	1273360	14.898
	LOWER LIMIT	164684	7.257	545100	10.045	318340	13.898
	EPA SAMPLE NO.						
01	B-170-SB01	274480	7.75	1008900	10.54	706272	14.39
02	PB167779BL	362102	7.75	1207360	10.55	720688	14.40
03	PB167779BS	339452	7.75	1125330	10.55	664515	14.39

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.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/01/2025

Lab File ID: BM050062.D Time Analyzed: 13:25

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1171490	17.145	1137060	21.386	1050480	24.374
	UPPER LIMIT	2342980	17.645	2274120	21.886	2100960	24.874
	LOWER LIMIT	585745	16.645	568530	20.886	525240	23.874
	EPA SAMPLE NO.						
01	B-170-SB01	1455100	17.15	1407670	21.38	1408740	24.37
02	PB167779BL	1342350	17.15	1132570	21.39	1130010	24.37
03	PB167779BS	1227380	17.14	1219130	21.38	1104890	24.37

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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SAMPLE DATA

Raw Data: **BF142268.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB01	SDG No.:	Q1901
Lab Sample ID:	Q1901-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	82.6
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
BF142268.D	1	04/29/25 09:30	05/01/25 18:55	PB167779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	400	ug/Kg
108-95-2	Phenol	26.7	U	26.7	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	29.4	U	29.4	210	ug/Kg
95-57-8	2-Chlorophenol	29.5	U	29.5	210	ug/Kg
95-48-7	2-Methylphenol	36.2	U	36.2	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	45.4	U	45.4	210	ug/Kg
98-86-2	Acetophenone	35.7	U	35.7	210	ug/Kg
65794-96-9	3+4-Methylphenols	49.7	U	49.7	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	57.3	U	57.3	96.8	ug/Kg
67-72-1	Hexachloroethane	21.3	U	21.3	210	ug/Kg
98-95-3	Nitrobenzene	22.1	U	22.1	210	ug/Kg
78-59-1	Isophorone	39.7	U	39.7	210	ug/Kg
88-75-5	2-Nitrophenol	70.4	U	70.4	210	ug/Kg
105-67-9	2,4-Dimethylphenol	78.4	U	78.4	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	37.3	U	37.3	210	ug/Kg
120-83-2	2,4-Dichlorophenol	34.2	U	34.2	210	ug/Kg
91-20-3	Naphthalene	27.5	U	27.5	210	ug/Kg
106-47-8	4-Chloroaniline	42.8	UQ	42.8	210	ug/Kg
87-68-3	Hexachlorobutadiene	30.6	U	30.6	210	ug/Kg
105-60-2	Caprolactam	63.0	U	63.0	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	34.7	U	34.7	210	ug/Kg
91-57-6	2-Methylnaphthalene	31.0	U	31.0	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.9	U	23.9	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	35.2	U	35.2	210	ug/Kg
92-52-4	1,1-Biphenyl	26.4	U	26.4	210	ug/Kg
91-58-7	2-Chloronaphthalene	27.2	U	27.2	210	ug/Kg
88-74-4	2-Nitroaniline	58.2	U	58.2	210	ug/Kg
131-11-3	Dimethylphthalate	32.8	U	32.8	210	ug/Kg

Raw Data: **BF142268.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB01	SDG No.:	Q1901
Lab Sample ID:	Q1901-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	82.6
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
BF142268.D	1	04/29/25 09:30	05/01/25 18:55	PB167779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	35.0	U	35.0	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	40.6	U	40.6	210	ug/Kg
99-09-2	3-Nitroaniline	55.6	UQ	55.6	210	ug/Kg
83-32-9	Acenaphthene	25.8	U	25.8	210	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	400	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	400	ug/Kg
132-64-9	Dibenzofuran	27.5	U	27.5	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	60.6	U	60.6	210	ug/Kg
84-66-2	Diethylphthalate	34.2	U	34.2	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	32.3	U	32.3	210	ug/Kg
86-73-7	Fluorene	30.6	U	30.6	210	ug/Kg
100-01-6	4-Nitroaniline	77.6	U	77.6	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	39.8	U	39.8	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	33.6	U	33.6	210	ug/Kg
118-74-1	Hexachlorobenzene	30.6	U	30.6	210	ug/Kg
1912-24-9	Atrazine	41.1	U	41.1	210	ug/Kg
87-86-5	Pentachlorophenol	62.0	U	62.0	400	ug/Kg
85-01-8	Phenanthrene	140	J	25.3	210	ug/Kg
120-12-7	Anthracene	40.3	U	40.3	210	ug/Kg
86-74-8	Carbazole	37.7	U	37.7	210	ug/Kg
84-74-2	Di-n-butylphthalate	57.9	U	57.9	210	ug/Kg
206-44-0	Fluoranthene	180	J	36.3	210	ug/Kg
129-00-0	Pyrene	130	J	43.5	210	ug/Kg
85-68-7	Butylbenzylphthalate	86.4	U	86.4	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	44.4	UQ	44.4	400	ug/Kg
56-55-3	Benzo(a)anthracene	95.0	J	27.8	210	ug/Kg
218-01-9	Chrysene	24.1	U	24.1	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	J	71.6	210	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	97.3	J	23.0	210	ug/Kg

Raw Data: **BF142268.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB01	SDG No.:	Q1901
Lab Sample ID:	Q1901-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	82.6
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
BF142268.D	1	04/29/25 09:30	05/01/25 18:55	PB167779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	27.1	U	27.1	210	ug/Kg
50-32-8	Benzo(a)pyrene	35.7	U	35.7	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	35.2	U	35.2	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	33.1	U	33.1	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	31.1	U	31.1	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	31.0	U	31.0	210	ug/Kg
123-91-1	1,4-Dioxane	54.7	U	54.7	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	33.1	U	33.1	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	97.0		30 (18) - 130 (112)	65%	SPK: 150
13127-88-3	Phenol-d6	101		30 (15) - 130 (107)	67%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.3		30 (18) - 130 (107)	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.7		30 (20) - 130 (109)	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	95.5		30 (10) - 130 (116)	64%	SPK: 150
1718-51-0	Terphenyl-d14	47.6		30 (10) - 130 (105)	48%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	205000	6.904			
1146-65-2	Naphthalene-d8	764000	8.187			
15067-26-2	Acenaphthene-d10	364000	9.939			
1517-22-2	Phenanthrene-d10	502000	11.428			
1719-03-5	Chrysene-d12	437000	14.069			
1520-96-3	Perylene-d12	455000	15.557			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	360	AB		5.13	ug/Kg
000119-61-9	Benzophenone	380	J		10.7	ug/Kg
000295-17-0	Cyclotetradecane	130	J		11.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	160	J		12.0	ug/Kg
000142-91-6	Isopropyl palmitate	220	J		12.2	ug/Kg
1010351-87-0	Heptadecyl trifluoroacetate	120	J		13.9	ug/Kg

Raw Data: **BF142268.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB01	SDG No.:	Q1901
Lab Sample ID:	Q1901-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	82.6
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
BF142268.D	1	04/29/25 09:30	05/01/25 18:55	PB167779

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: **BF142268.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142268.D
Acq On : 01 May 2025 18:55
Operator : RC/JU
Sample : Q1901-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB01

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

Quant Time: May 02 01:07:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	204691	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	764165	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	363631	20.000	ng	-0.01
64) Phenanthrene-d10	11.428	188	501735	20.000	ng	0.00
76) Chrysene-d12	14.069	240	437339	20.000	ng	0.00
86) Perylene-d12	15.557	264	454707	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1242920	96.976	ng	0.00
7) Phenol-d6	6.522	99	1558191	100.677	ng	0.00
23) Nitrobenzene-d5	7.463	82	887702	76.318	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	316490	95.472	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1770634	68.656	ng	0.00
79) Terphenyl-d14	13.016	244	1430017	47.556	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.451	178	92016	3.395	ng	98
75) Fluoranthene	12.639	202	118025	4.405	ng	97
78) Pyrene	12.869	202	130978	3.247	ng	99
81) Benzo(a)anthracene	14.057	228	69181	2.356	ng	97
84) Bis(2-ethylhexyl)phtha...	14.051	149	9843	4.052	ng	97
88) Benzo(b)fluoranthene	15.116	252	68147m	2.413	ng	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142268.D
Acq On : 01 May 2025 18:55
Operator : RC/JU
Sample : Q1901-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 02 01:07:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-167-SB01

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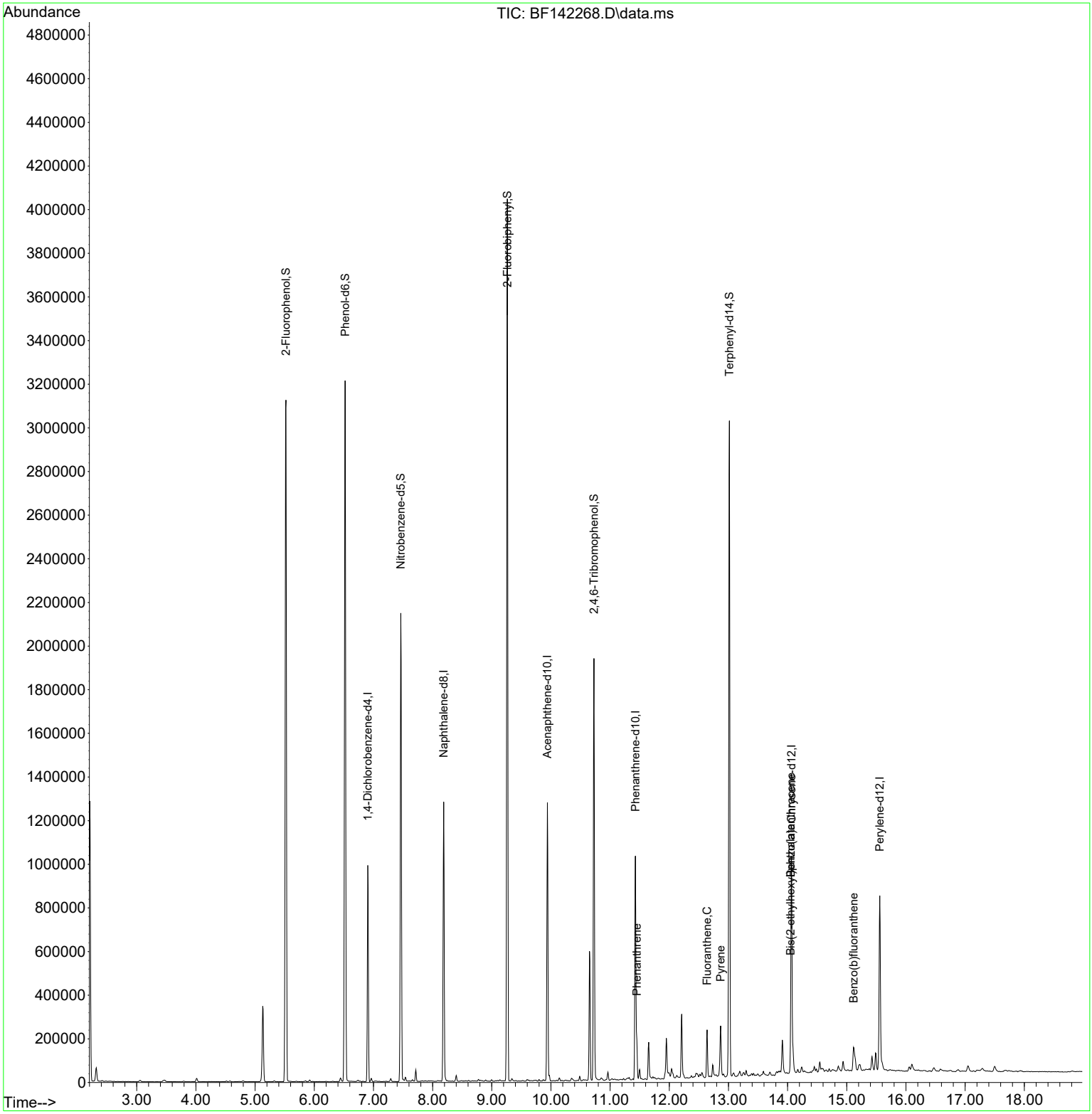
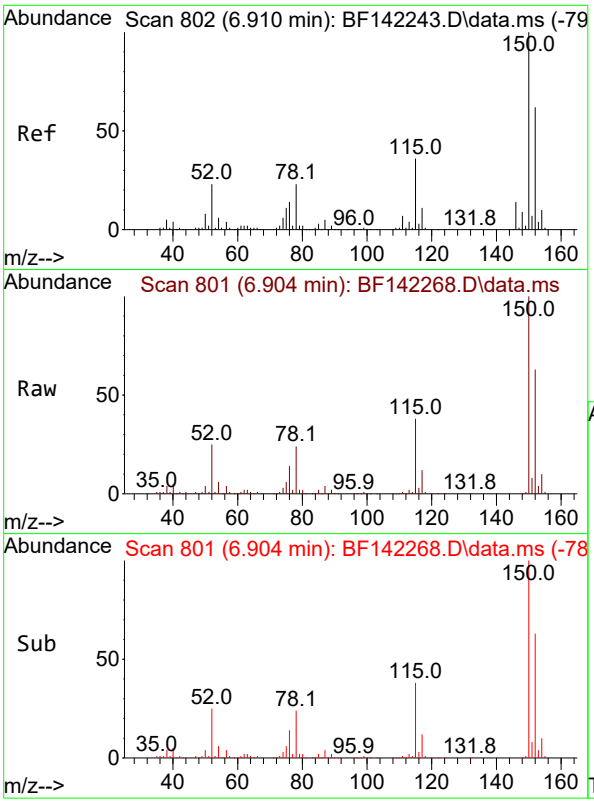
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

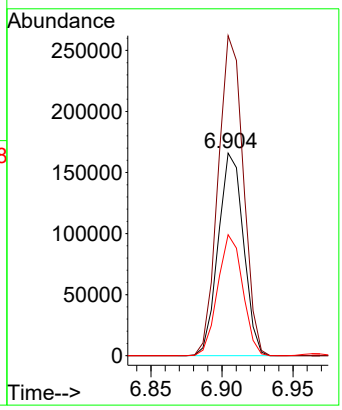




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

Tgt Ion:152 Resp: 20469

Ion	Ratio	Lower	Upper
152	100		
150	157.9	130.2	195.2
115	59.7	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
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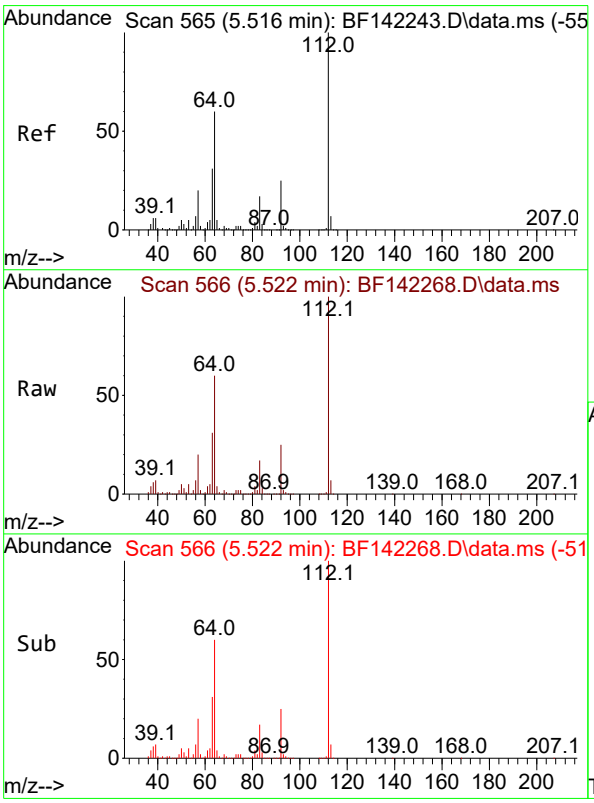
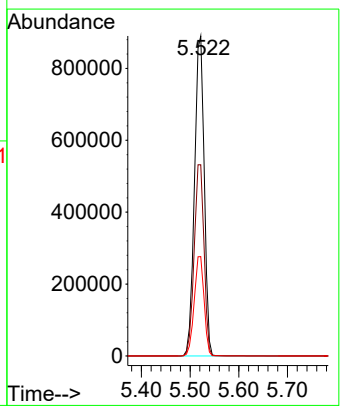
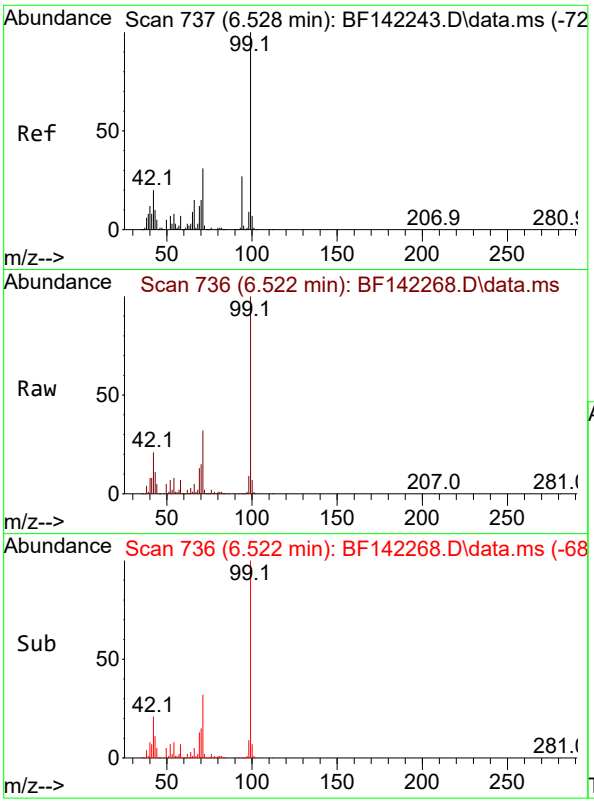


#5
2-Fluorophenol
Concen: 96.976 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.006 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

Tgt Ion:112 Resp: 1242920

Ion	Ratio	Lower	Upper
112	100		
64	59.8	48.4	72.6
63	31.0	24.8	37.2

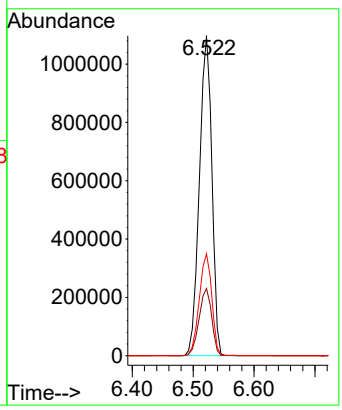




#7
Phenol-d6
Concen: 100.677 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

Tgt Ion: 99 Resp: 155819

Ion	Ratio	Lower	Upper
99	100		
42	21.0	16.3	24.5
71	31.9	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
B-167-SB01

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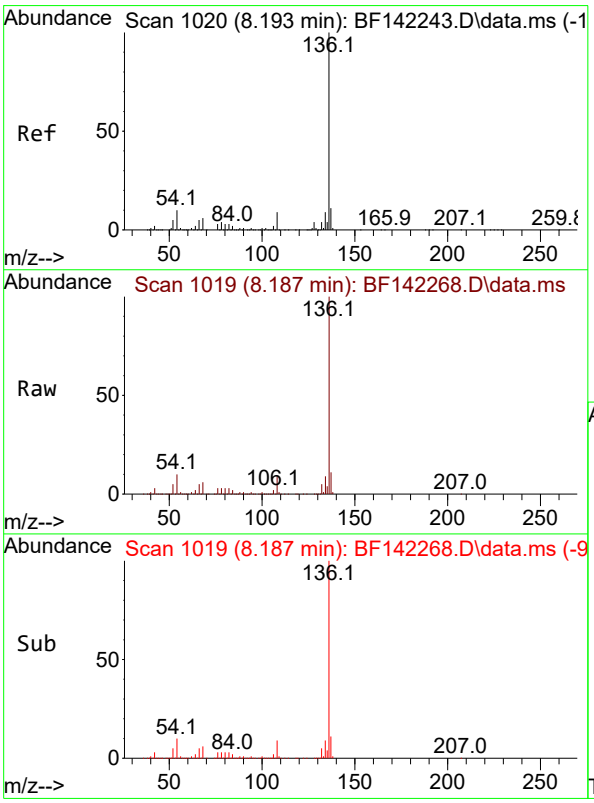
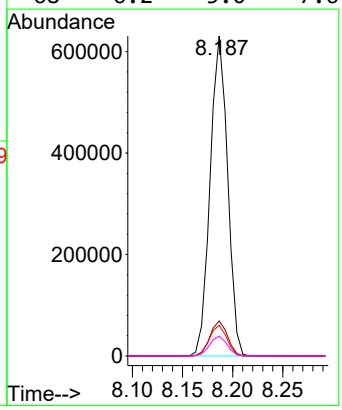
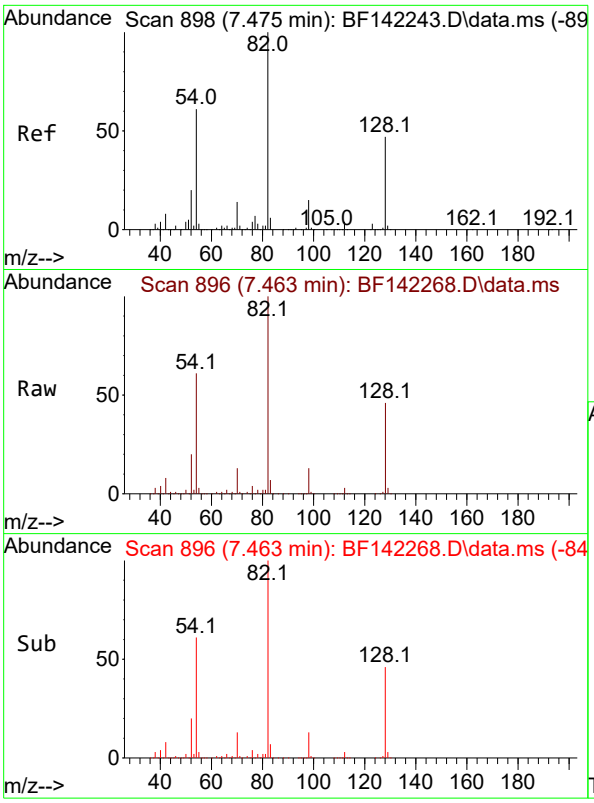


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

Tgt Ion:136 Resp: 764165

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	9.5	7.7	11.5
68	6.2	5.0	7.6





#23
Nitrobenzene-d5
Concen: 76.318 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

Tgt Ion: 82 Resp: 88770

Ion	Ratio	Lower	Upper
82	100		
128	46.0	37.0	55.6
54	61.5	48.0	72.0

Instrument :
BNA_F
ClientSampleId :
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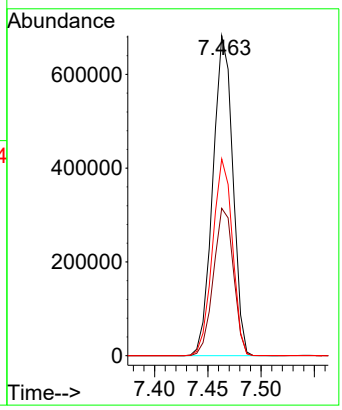
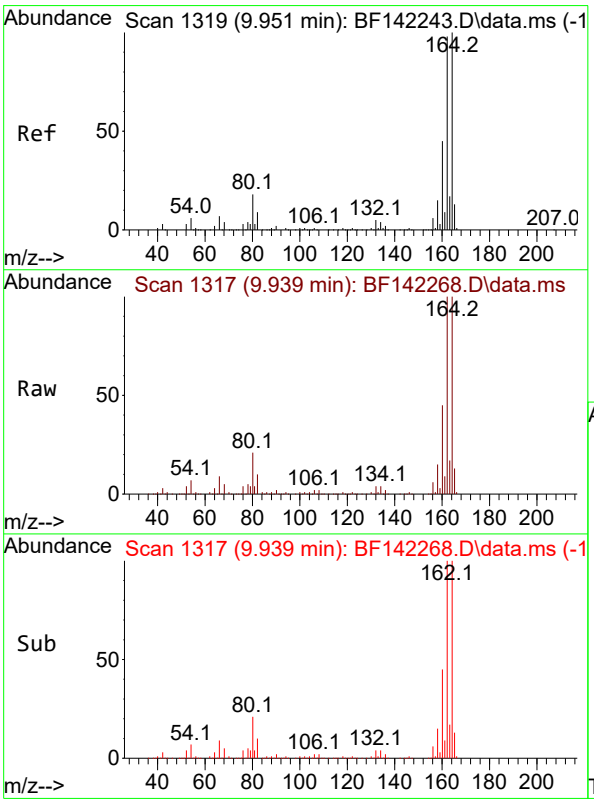
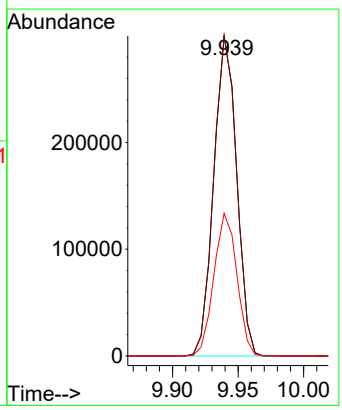


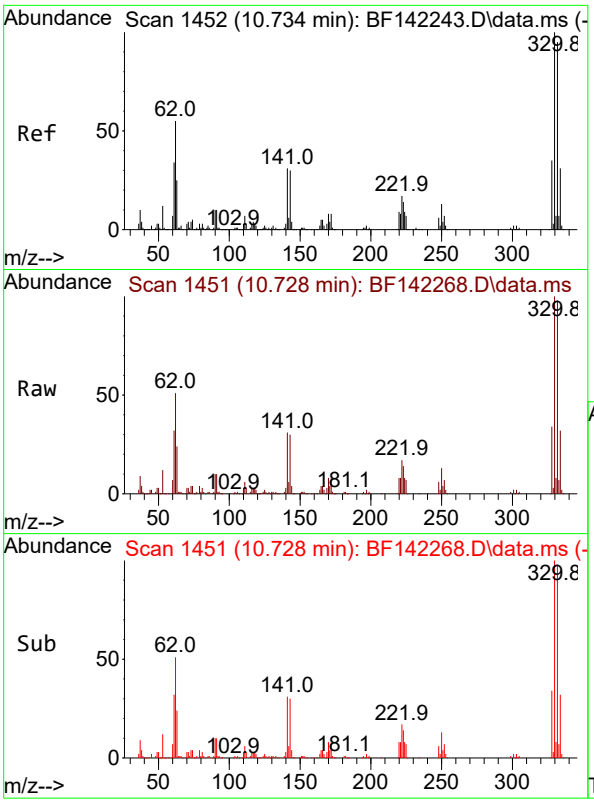


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.012 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

Tgt Ion:164 Resp: 363631

Ion	Ratio	Lower	Upper
164	100		
162	99.9	78.6	117.8
160	44.6	35.7	53.5

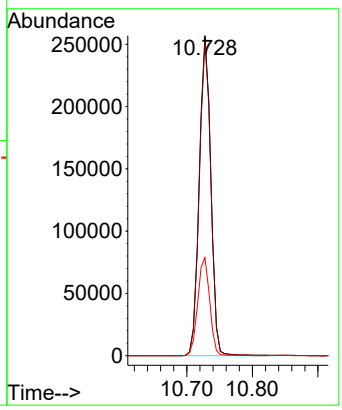




#42
2,4,6-Tribromophenol
Concen: 95.472 ng
RT: 10.728 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

Tgt Ion:330 Resp: 31649

Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.5	114.7
141	31.6	24.3	36.5



Instrument :
BNA_F
ClientSampleId :
B-167-SB01

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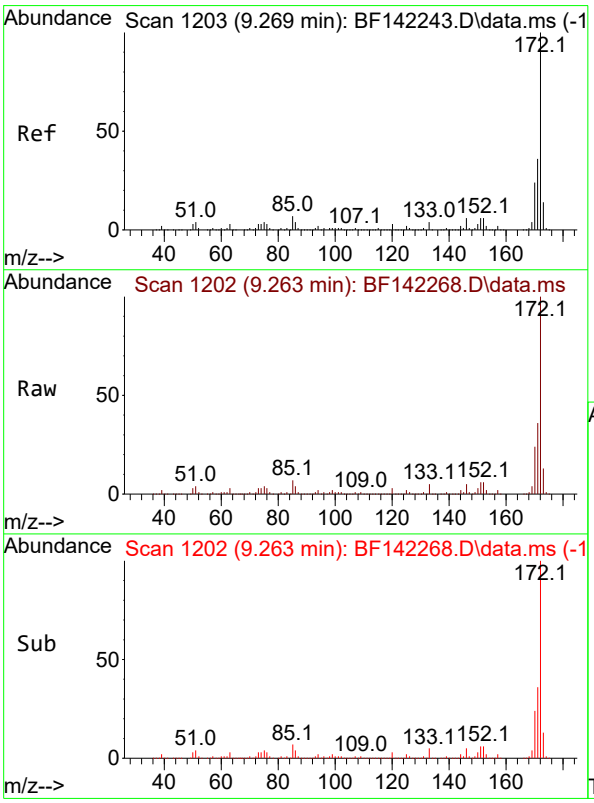
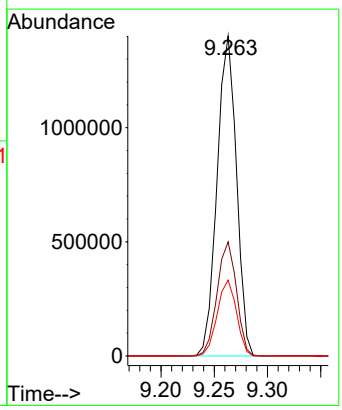
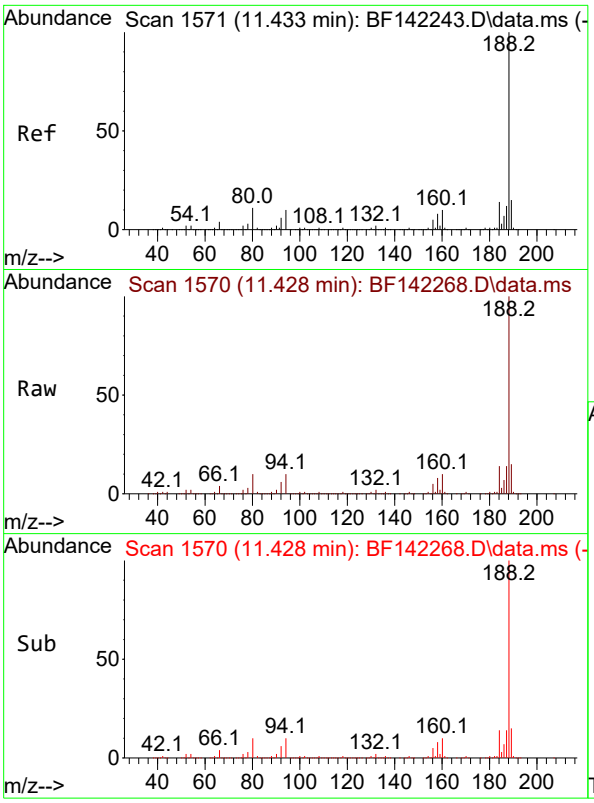


#45
2-Fluorobiphenyl
Concen: 68.656 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

Tgt Ion:172 Resp: 1770634

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.0	43.4
170	23.7	19.4	29.0

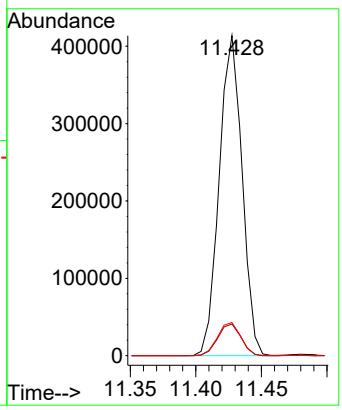




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

Tgt Ion:188 Resp: 50173

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.2	12.2
80	10.4	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
B-167-SB01

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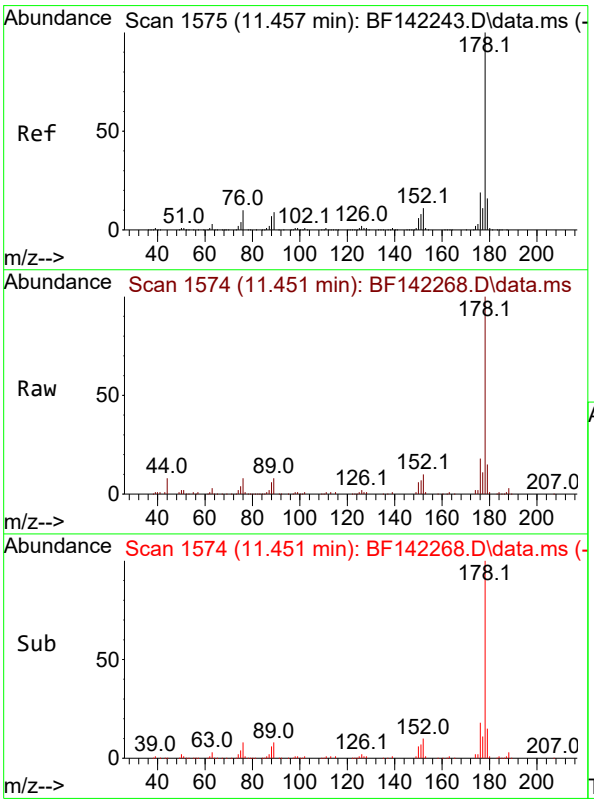
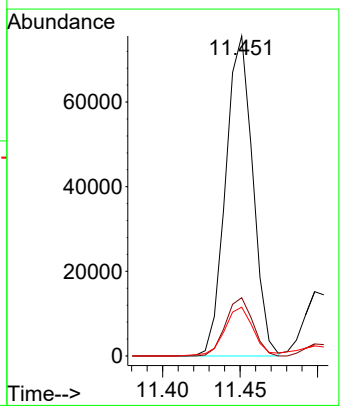
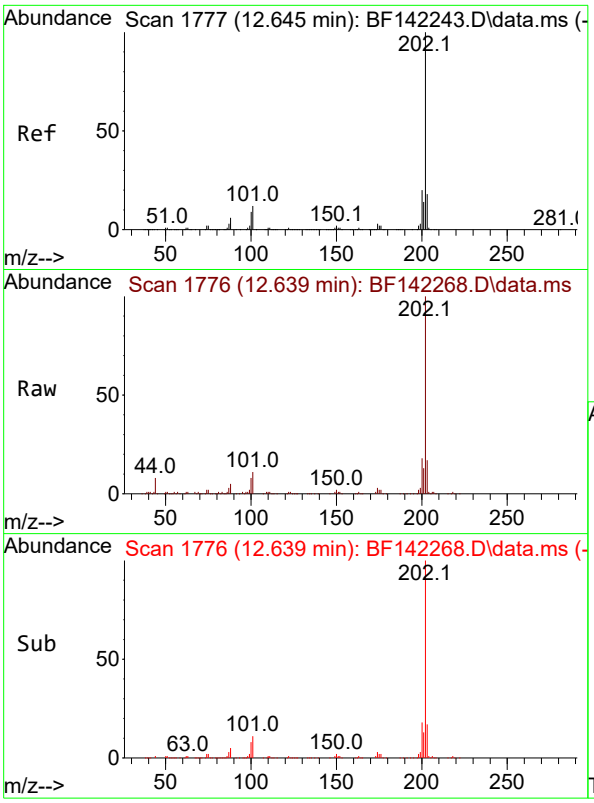


#71
Phenanthrene
Concen: 3.395 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

Tgt Ion:178 Resp: 92016

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.5	23.3
179	15.2	12.6	19.0





#75
Fluoranthene
Concen: 4.405 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

Tgt Ion:202 Resp: 11802

Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	32.4
203	16.5	0.0	37.5

Instrument :
BNA_F
ClientSampleId :
B-167-SB01

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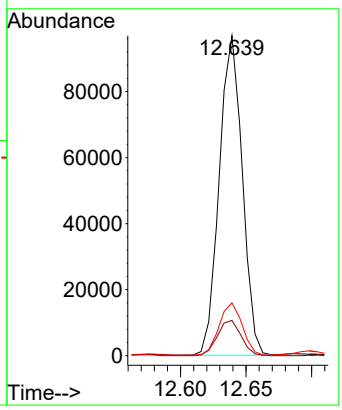
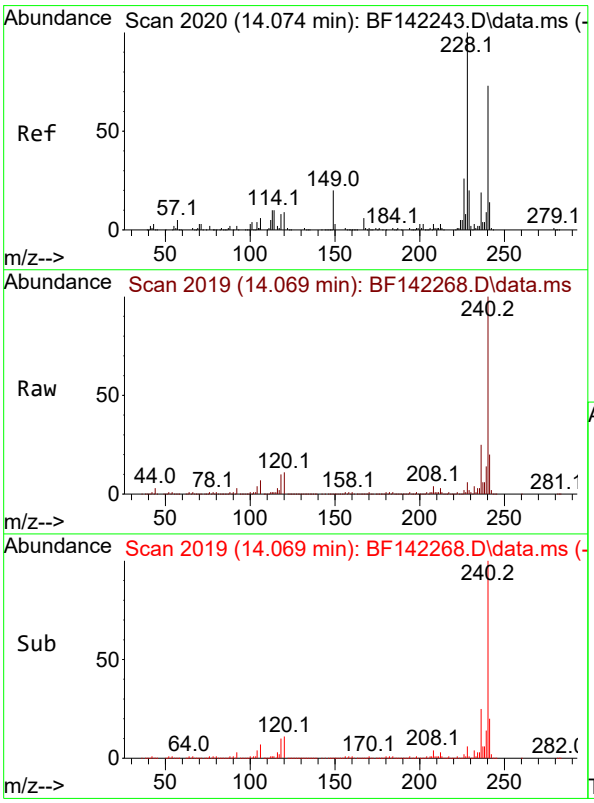
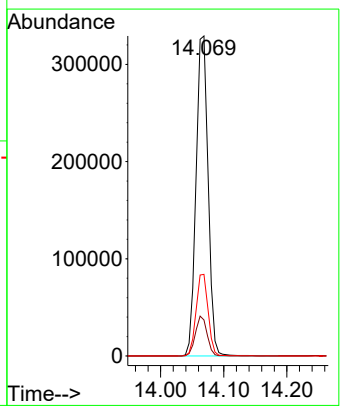


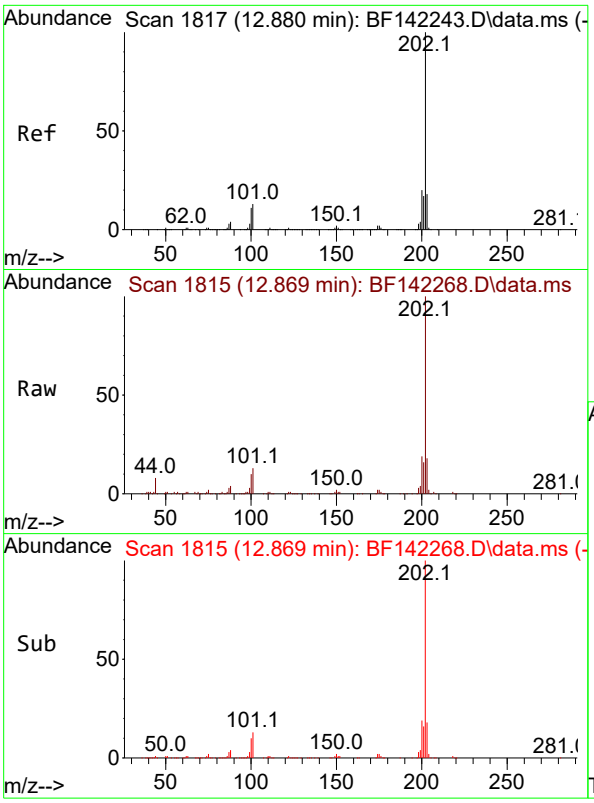


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

Tgt Ion:240 Resp: 437339

Ion	Ratio	Lower	Upper
240	100		
120	11.2	10.1	15.1
236	25.5	20.5	30.7

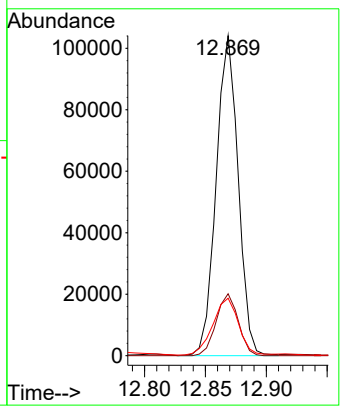




#78
Pyrene
Concen: 3.247 ng
RT: 12.869 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

Tgt Ion:202 Resp: 13097

Ion	Ratio	Lower	Upper
202	100		
200	19.3	16.1	24.1
203	18.0	14.1	21.1



Instrument :
BNA_F
ClientSampleId :
B-167-SB01

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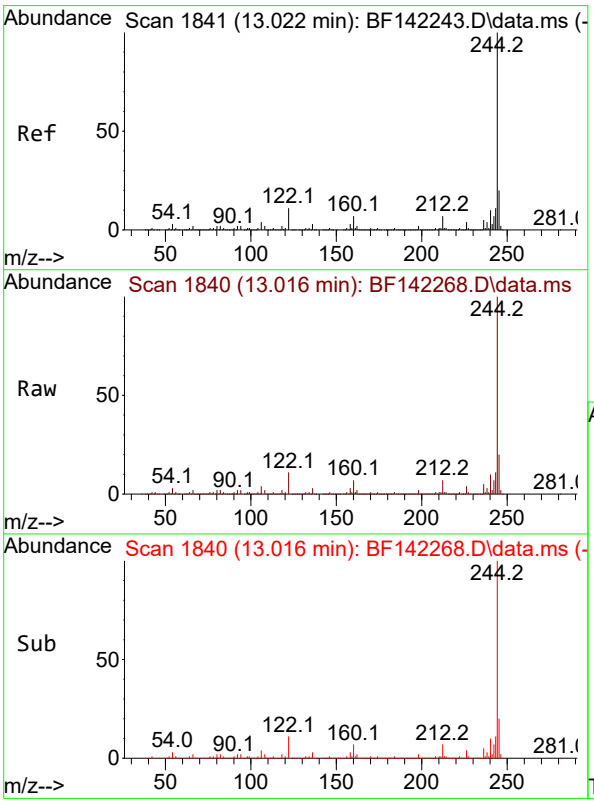
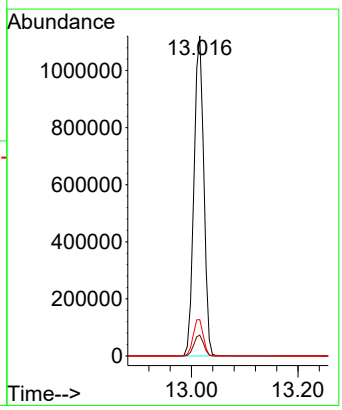
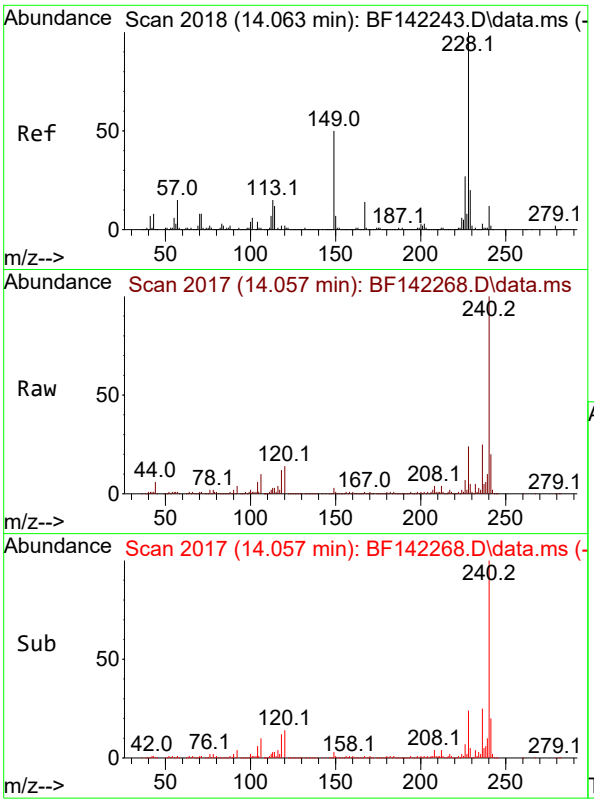


#79
Terphenyl-d14
Concen: 47.556 ng
RT: 13.016 min Scan# 1840
Delta R.T. -0.006 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

Tgt Ion:244 Resp: 1430017

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.3	7.9
122	11.3	9.1	13.7





#81
Benzo(a)anthracene
Concen: 2.356 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

Tgt Ion:228 Resp: 6918

Ion	Ratio	Lower	Upper
228	100		
226	29.2	21.9	32.9
229	21.4	16.0	24.0

Instrument :
BNA_F
ClientSampleId :
B-167-SB01

Manual Integrations
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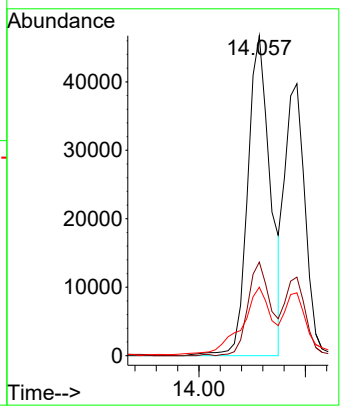
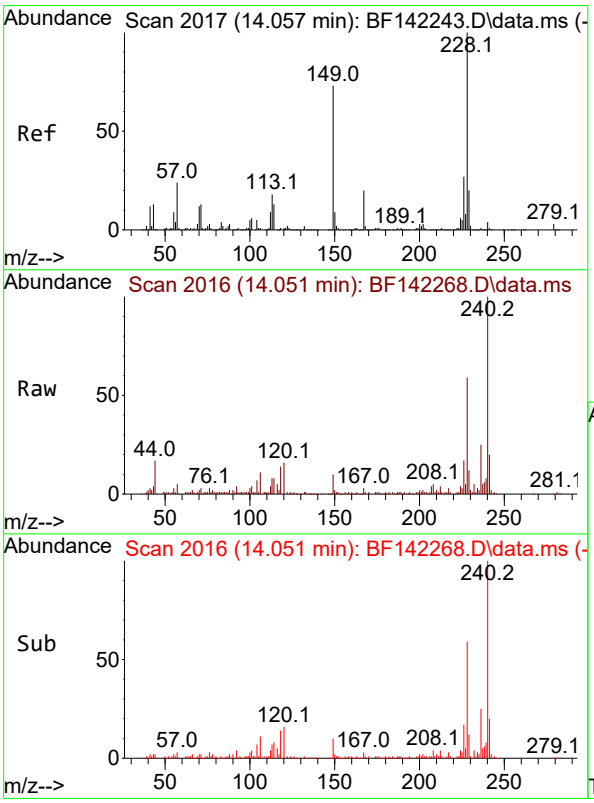
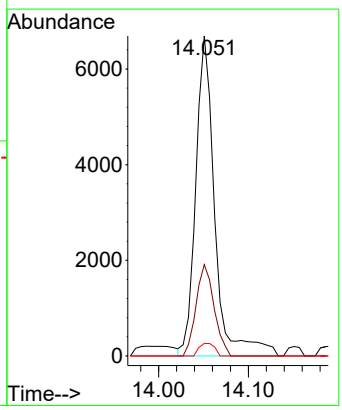


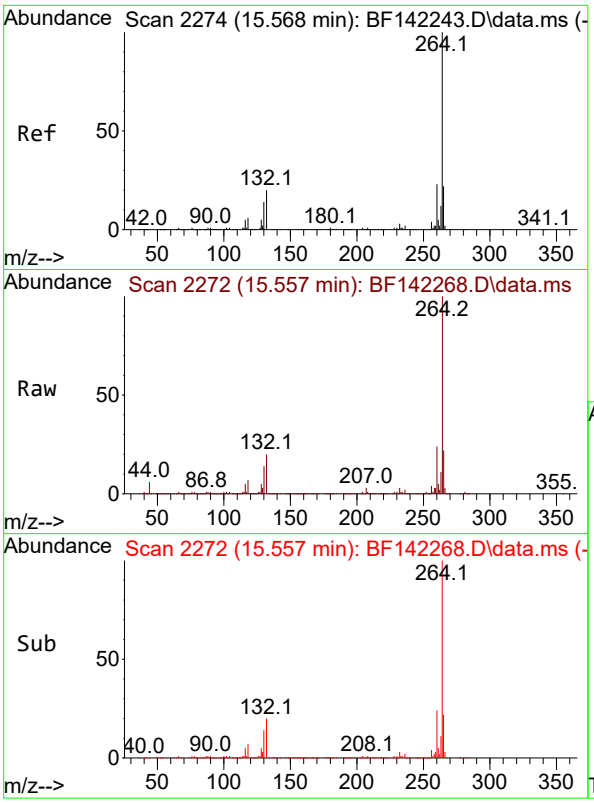


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.052 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

Tgt Ion:149 Resp: 9843

Ion	Ratio	Lower	Upper
149	100		
167	28.6	21.7	32.5
279	3.9	3.0	4.4

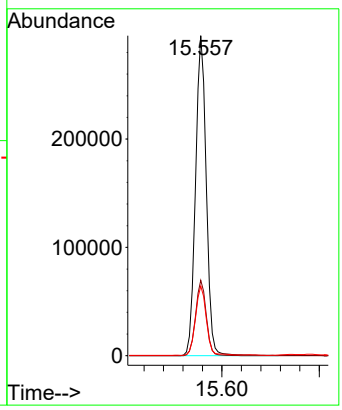




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

Tgt Ion:264 Resp: 45470

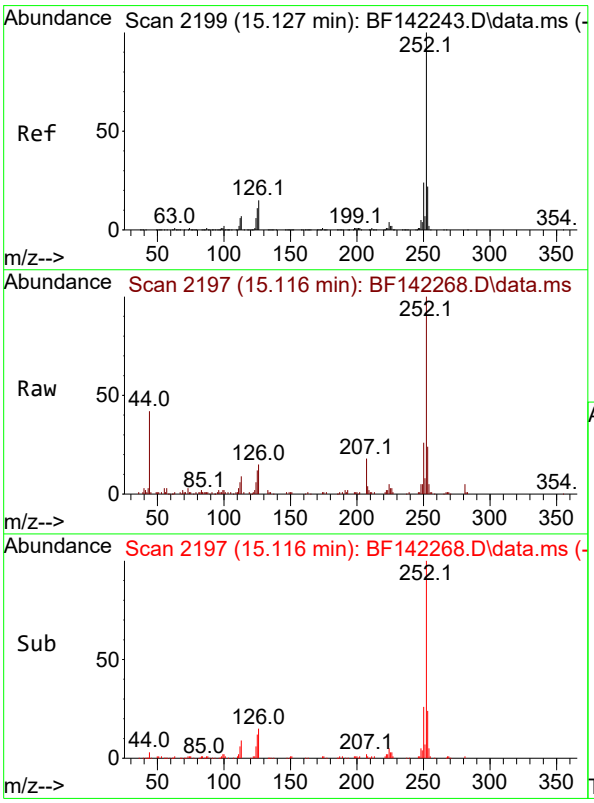
Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.4	27.6
265	21.8	17.3	25.9



Instrument :
BNA_F
ClientSampleId :
B-167-SB01

Manual Integrations
APPROVED

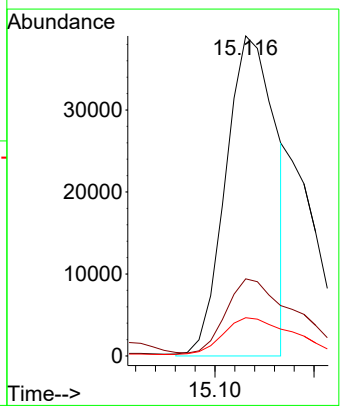
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#88
Benzo(b)fluoranthene
Concen: 2.413 ng m
RT: 15.116 min Scan# 2197
Delta R.T. -0.012 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

Tgt Ion:252 Resp: 68147

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.7	26.5
125	12.0	9.0	13.4



Sample Results: **BF142268.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142268.D
Acq On : 01 May 2025 18:55
Operator : RC/JU
Sample : Q1901-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-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-BF043025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142268.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.316	14	21	31	rVB2	61821	104032	2.03%	0.288%
2	5.128	490	499	509	rVB	345774	542647	10.60%	1.501%
3	5.522	559	566	571	rBV	3123242	4406681	86.11%	12.190%
4	6.522	729	736	741	rBV	3210981	4586593	89.63%	12.687%
5	6.904	796	801	806	rVB	990793	1212302	23.69%	3.353%
6	7.463	890	896	901	rBV	2146315	2809135	54.90%	7.771%
7	7.716	935	939	943	rVB	51601	60763	1.19%	0.168%
8	8.187	1013	1019	1027	rBV	1279895	1580689	30.89%	4.372%
9	9.263	1196	1202	1207	rBV	4041357	5117237	100.00%	14.155%
10	9.939	1312	1317	1322	rBV	1272498	1557655	30.44%	4.309%
11	10.651	1433	1438	1443	rBV	590376	733968	14.34%	2.030%
12	10.728	1445	1451	1456	rBV	1932792	2429783	47.48%	6.721%
13	10.963	1482	1491	1495	rBV	37701	52475	1.03%	0.145%
14	11.428	1565	1570	1578	rBV2	1024684	1466179	28.65%	4.056%
15	11.498	1578	1582	1586	rVB	41975	54469	1.06%	0.151%
16	11.651	1603	1608	1617	rBV	171831	241763	4.72%	0.669%
17	11.951	1651	1659	1664	rBV2	186717	300023	5.86%	0.830%
18	12.039	1670	1674	1684	rVB	41160	78544	1.53%	0.217%
19	12.210	1698	1703	1714	rVB2	293250	401290	7.84%	1.110%
20	12.639	1771	1776	1782	rBV	218200	277995	5.43%	0.769%
21	12.733	1788	1792	1799	rBV2	54708	83843	1.64%	0.232%
22	12.869	1808	1815	1821	rBV	229100	324972	6.35%	0.899%
23	13.016	1834	1840	1845	rVB	2998466	3849663	75.23%	10.649%
24	13.910	1988	1992	2002	rVB	152371	230126	4.50%	0.637%
25	14.063	2012	2018	2031	rVB2	991615	1542539	30.14%	4.267%
26	14.545	2095	2100	2103	rBV3	43592	65918	1.29%	0.182%
27	14.939	2162	2167	2176	rVV2	42308	71962	1.41%	0.199%
28	15.116	2192	2197	2208	rBV	105644	249724	4.88%	0.691%
29	15.221	2209	2215	2222	rVB3	26927	66167	1.29%	0.183%
30	15.427	2245	2250	2255	rBV	60169	90811	1.77%	0.251%
31	15.486	2256	2260	2266	rVV	77408	114728	2.24%	0.317%
32	15.557	2266	2272	2289	rVB	798337	1282112	25.05%	3.547%
33	16.098	2361	2364	2374	rVB4	27687	56638	1.11%	0.157%
34	17.051	2522	2526	2535	rVB2	24909	51275	1.00%	0.142%
35	17.498	2598	2602	2613	rVB2	24012	56045	1.10%	0.155%

Sample Results: **BF142268.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142268.D
Acq On : 01 May 2025 18:55
Operator : RC/JU
Sample : Q1901-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-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-BF043025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 36150746

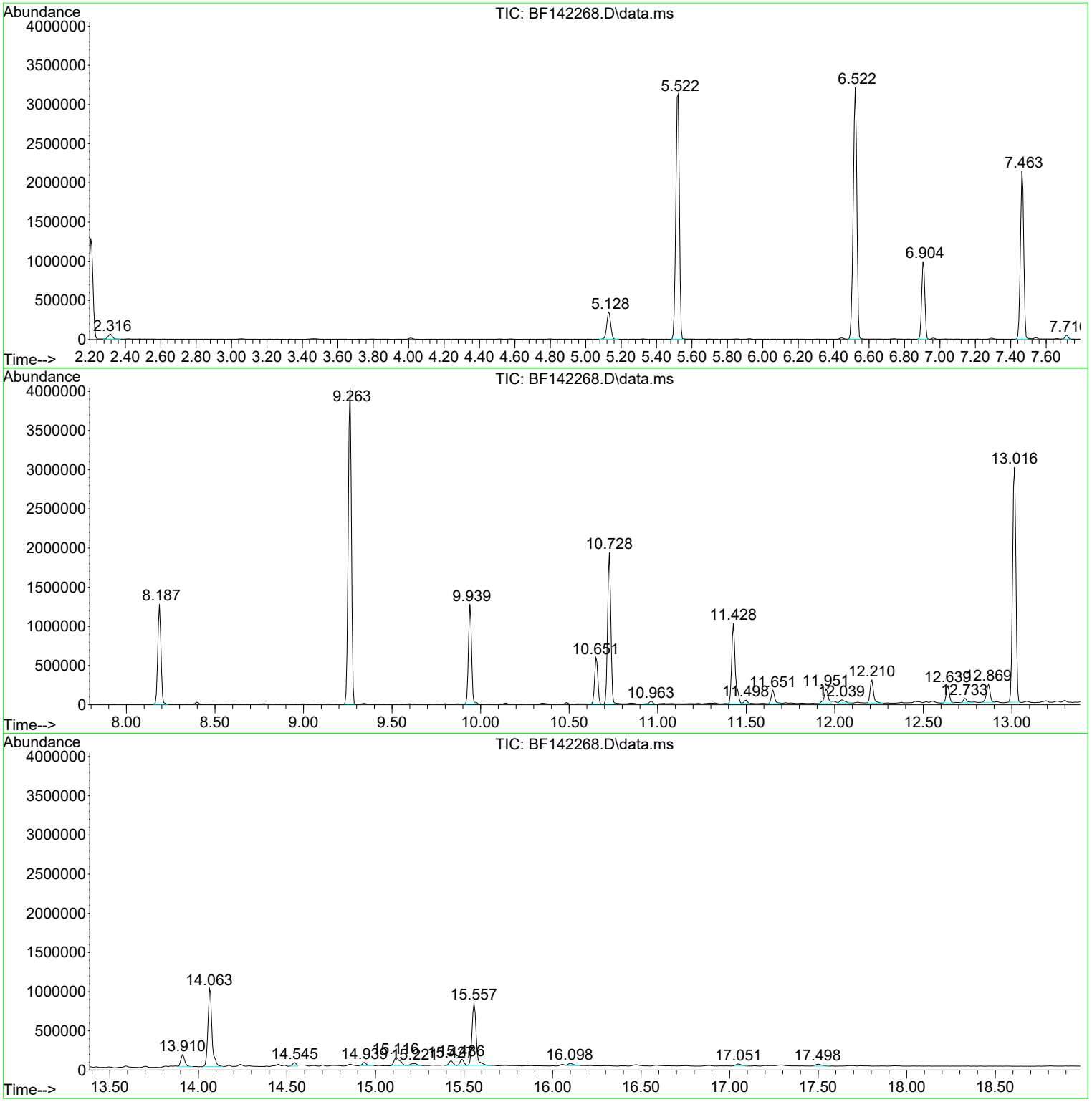
Sample Results: **BF142268.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142268.D
Acq On : 01 May 2025 18:55
Operator : RC/JU
Sample : Q1901-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.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\BF050125\
Data File : BF142268.D
Acq On : 01 May 2025 18:55
Operator : RC/JU
Sample : Q1901-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB01

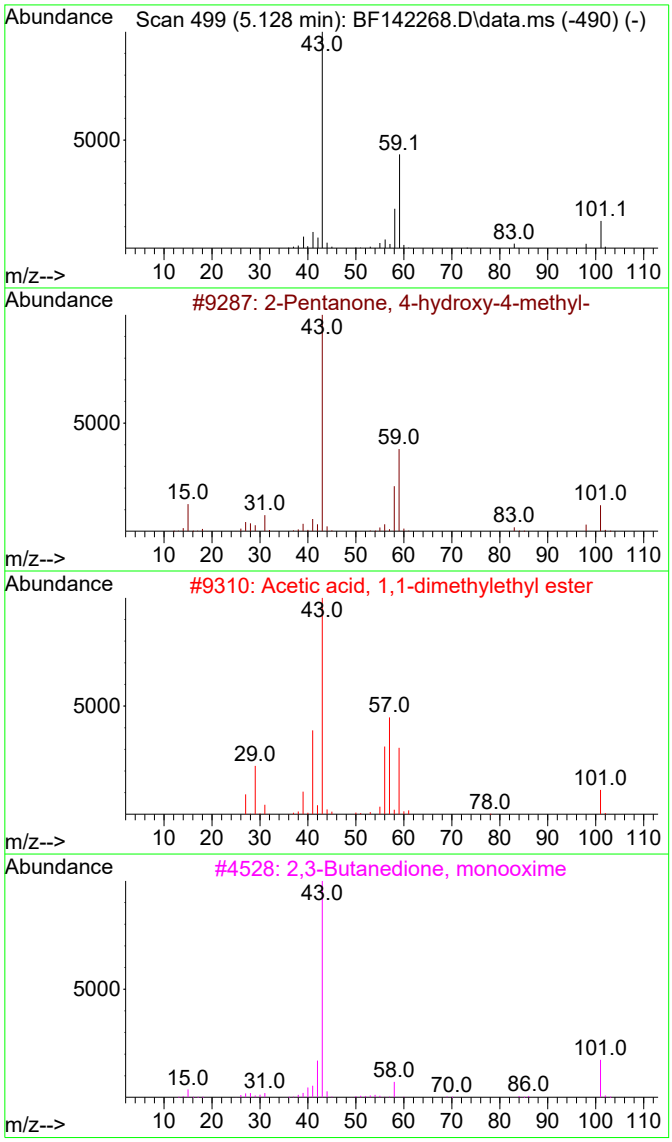
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

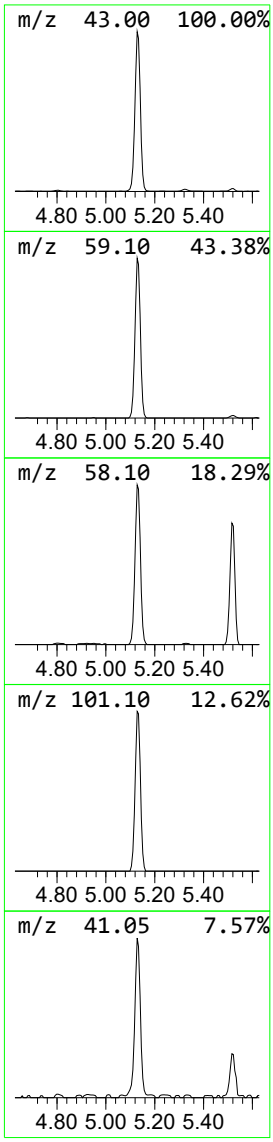
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.128	8.95 ng	542647	1,4-Dichlorobenzene-d4	6.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	83
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Sample Results: **BF142268.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142268.D
Acq On : 01 May 2025 18:55
Operator : RC/JU
Sample : Q1901-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

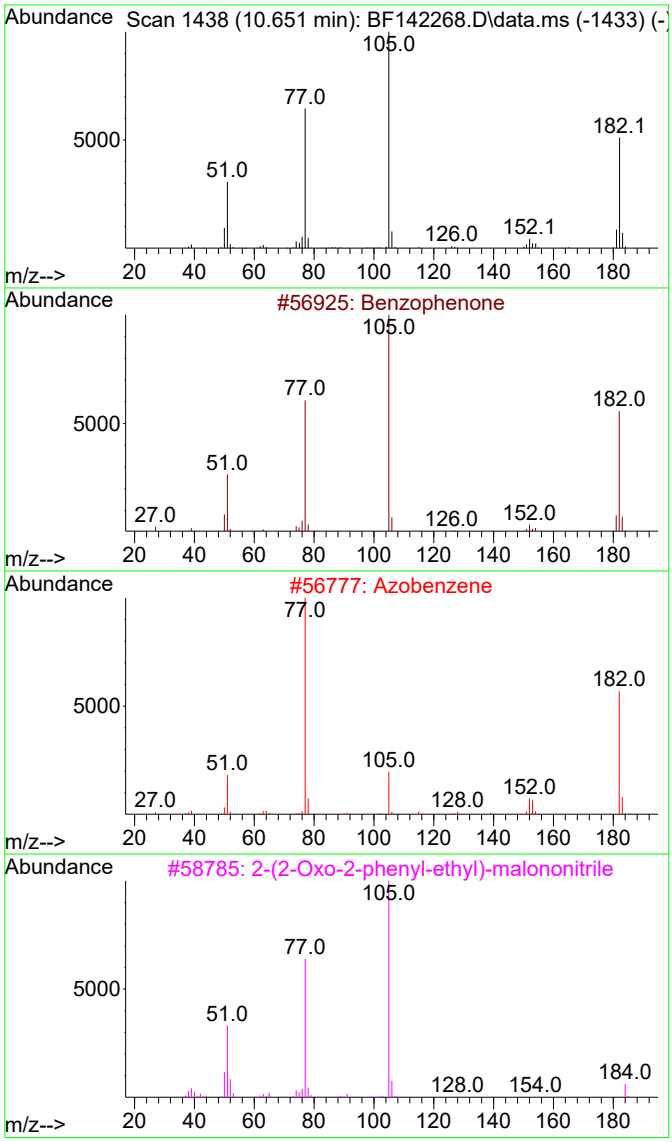
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

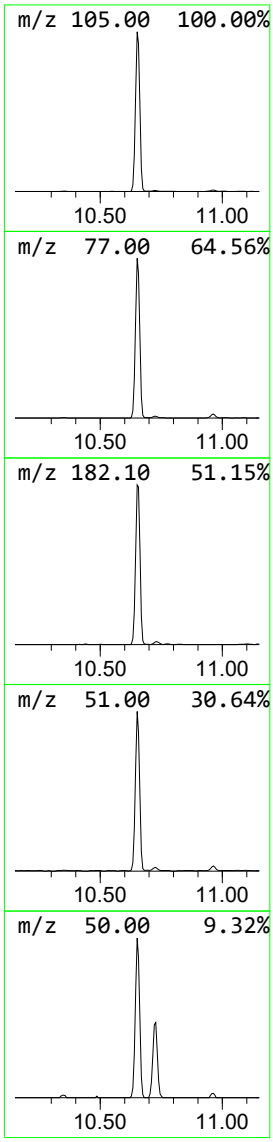
****

Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.651	9.42 ng	733968	Acenaphthene-d10	9.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	58
3	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	58
4	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	52
5	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142268.D
Acq On : 01 May 2025 18:55
Operator : RC/JU
Sample : Q1901-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

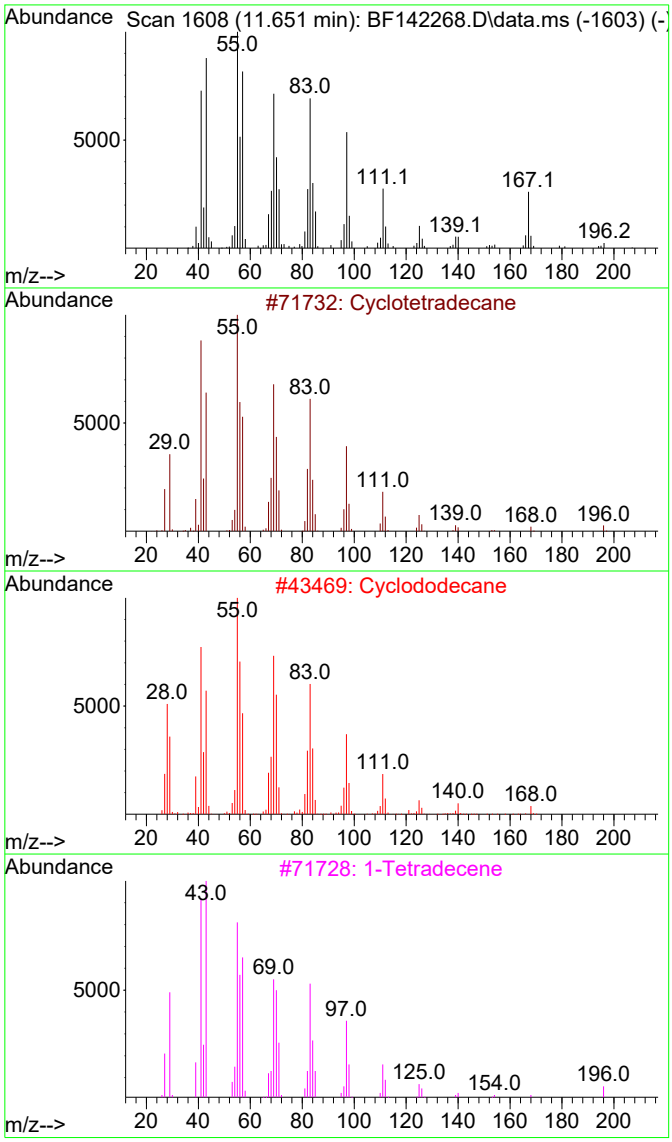
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

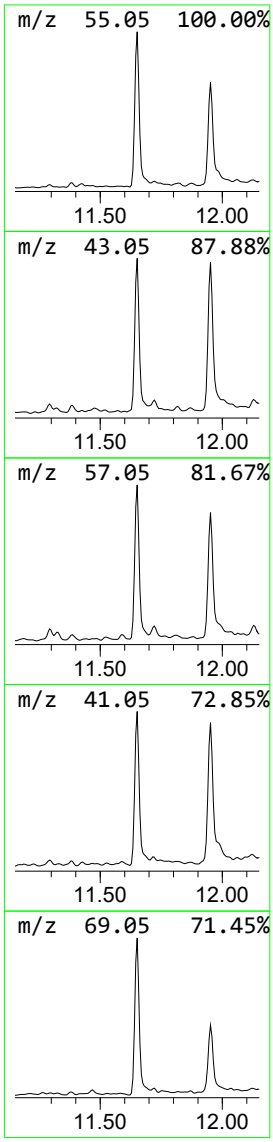
****

Peak Number 3 Cyclotetradecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.651	3.30 ng	241763	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetradecane	196	C14H28	000295-17-0	96
2	Cyclododecane	168	C12H24	000294-62-2	96
3	1-Tetradecene	196	C14H28	001120-36-1	95
4	1-Hexadecanol	242	C16H34O	036653-82-4	93
5	5-Tetradecene, (Z)-	196	C14H28	041446-62-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142268.D
Acq On : 01 May 2025 18:55
Operator : RC/JU
Sample : Q1901-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB01

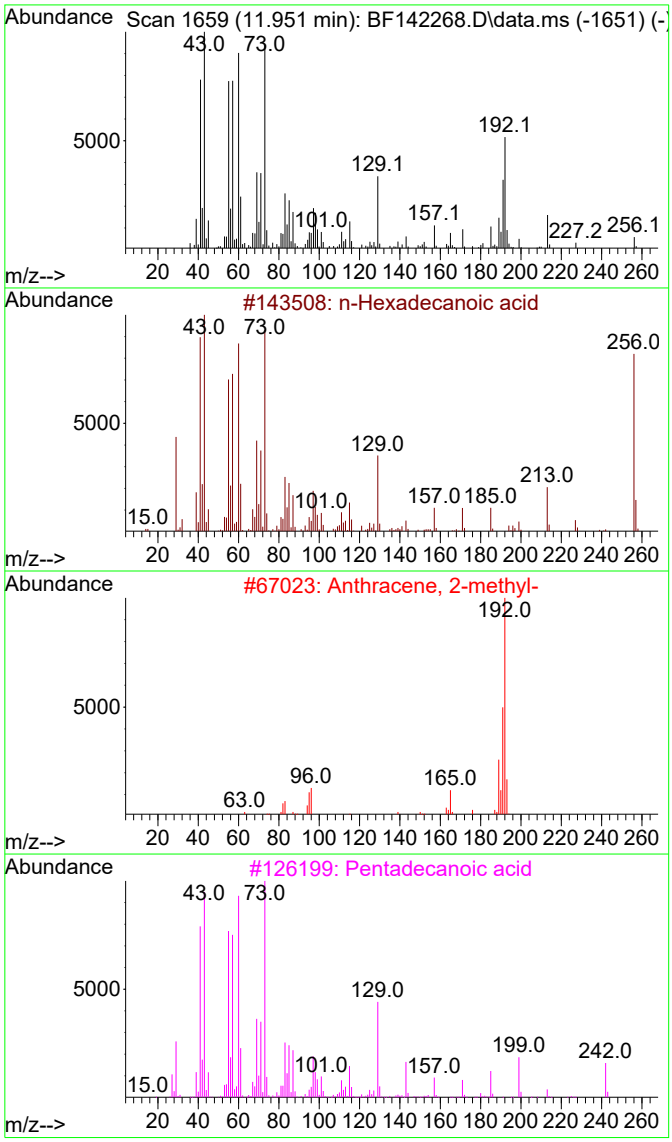
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

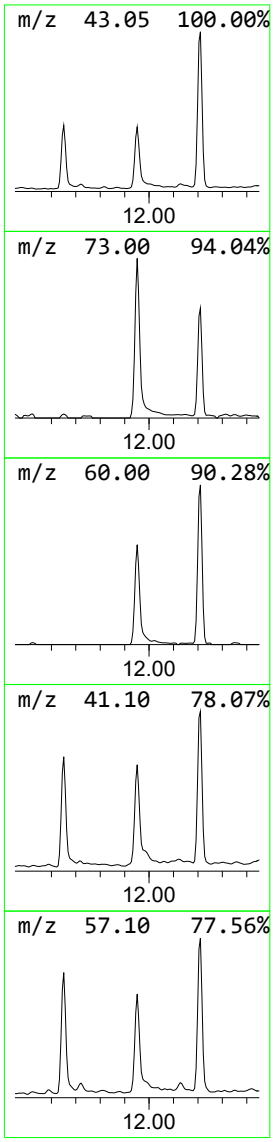
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	4.09 ng	300023	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	70
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	56
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142268.D
Acq On : 01 May 2025 18:55
Operator : RC/JU
Sample : Q1901-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

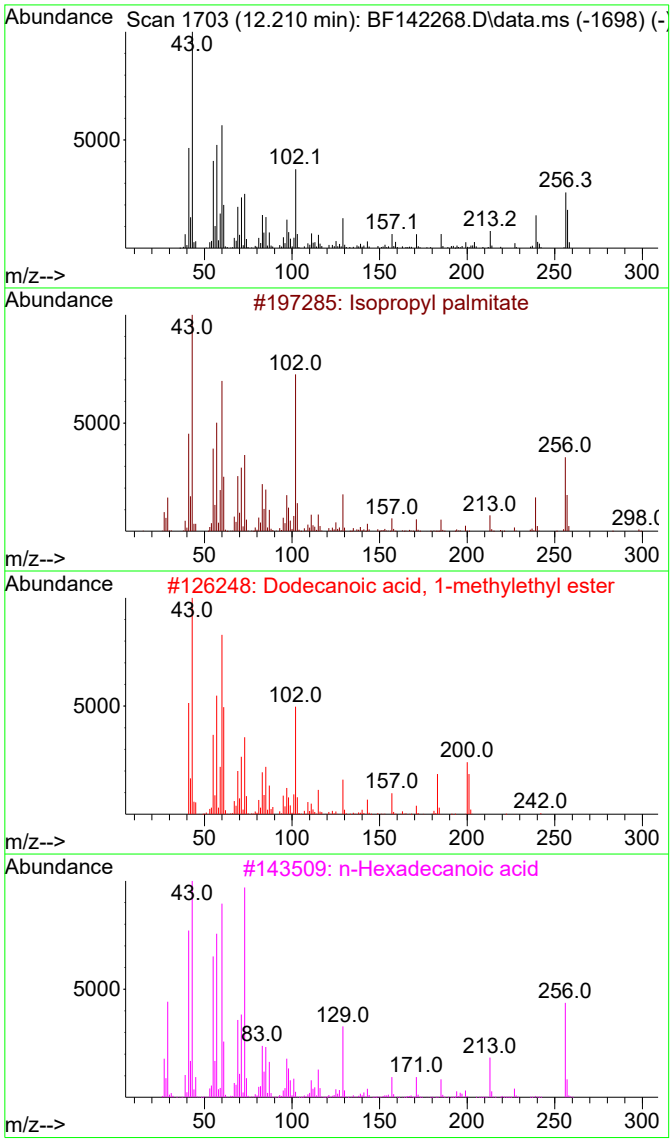
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

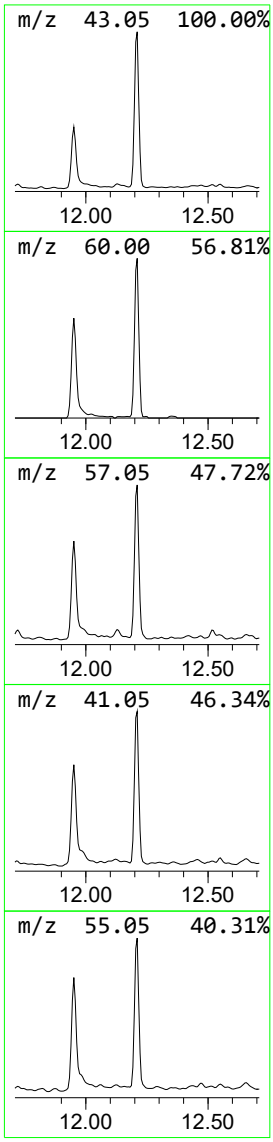
****

Peak Number 5 Isopropyl palmitate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.210	5.47 ng	401290	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl palmitate	298	C19H38O2	000142-91-6	91
2	Dodecanoic acid, 1-methylethyl e...	242	C15H30O2	010233-13-3	64
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	64
4	n-Capric acid isopropyl ester	214	C13H26O2	002311-59-3	50
5	8-Methylnonanoic acid, isopropyl...	214	C13H26O2	1000452-00-6	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142268.D
Acq On : 01 May 2025 18:55
Operator : RC/JU
Sample : Q1901-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB01

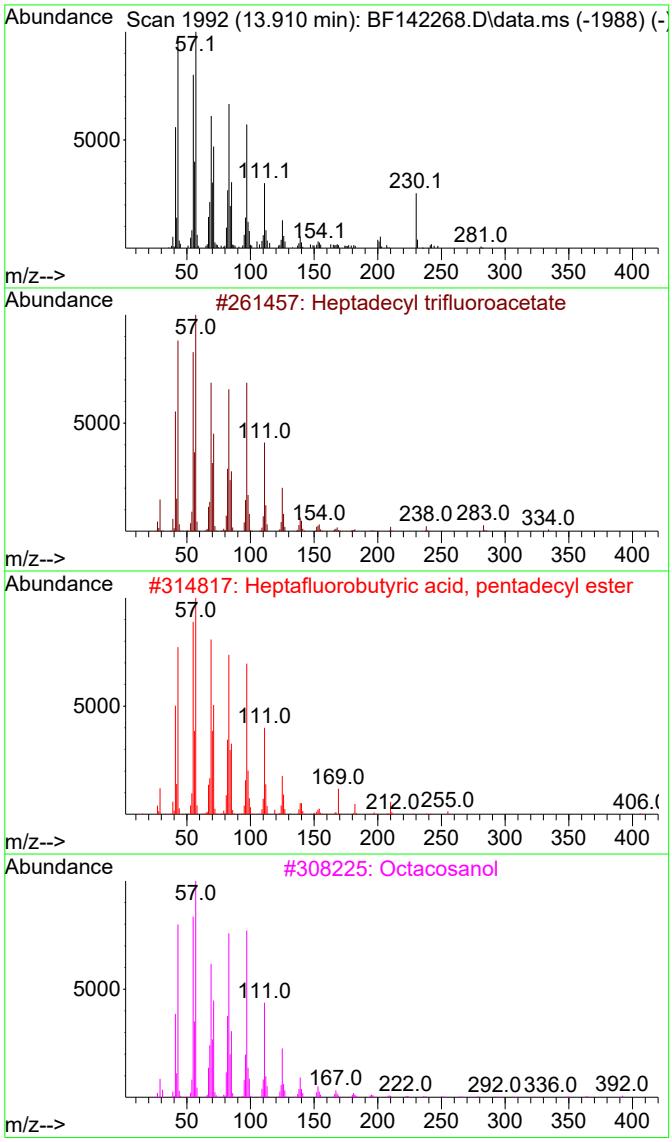
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

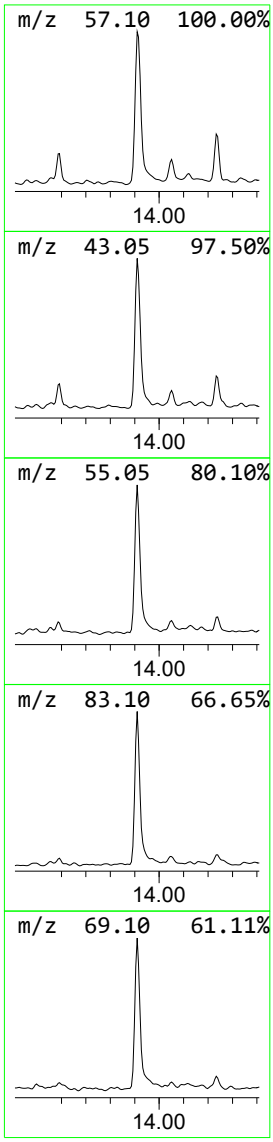
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Heptadecyl trifluoroacetate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.910	2.98 ng	230126	Chrysene-d12	14.069

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	93
2	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	93
3	Octacosanol	410	C28H58O	000557-61-9	93
4	Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	90
5	1-Hexacosene	364	C26H52	018835-33-1	90





Sample Results: **BF142268.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142268.D
Acq On : 01 May 2025 18:55
Operator : RC/JU
Sample : Q1901-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.128	8.9	ng	542647	1	6.904	1212300	20.0
Benzophenone	10.651	9.4	ng	733968	3	9.939	1557660	20.0
Cyclotetradecane	11.651	3.3	ng	241763	4	11.428	1466180	20.0
n-Hexadecanoic ...	11.951	4.1	ng	300023	4	11.428	1466180	20.0
Isopropyl palmi...	12.210	5.5	ng	401290	4	11.428	1466180	20.0
Heptadecyl trif...	13.910	3.0	ng	230126	5	14.069	1542540	20.0

Raw Data: **BM050074.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:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-170-SB01	SDG No.:	Q1901
Lab Sample ID:	Q1901-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	83
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
BM050074.D	5	04/29/25 09:30	05/01/25 21:18	PB167779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	940	U	940	2000	ug/Kg
108-95-2	Phenol	130	U	130	1000	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	150	1000	ug/Kg
95-57-8	2-Chlorophenol	150	U	150	1000	ug/Kg
95-48-7	2-Methylphenol	180	U	180	1000	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	230	U	230	1000	ug/Kg
98-86-2	Acetophenone	180	U	180	1000	ug/Kg
65794-96-9	3+4-Methylphenols	250	U	250	2000	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	290	U	290	480	ug/Kg
67-72-1	Hexachloroethane	110	U	110	1000	ug/Kg
98-95-3	Nitrobenzene	110	U	110	1000	ug/Kg
78-59-1	Isophorone	200	U	200	1000	ug/Kg
88-75-5	2-Nitrophenol	350	U	350	1000	ug/Kg
105-67-9	2,4-Dimethylphenol	390	U	390	1000	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	190	U	190	1000	ug/Kg
120-83-2	2,4-Dichlorophenol	170	U	170	1000	ug/Kg
91-20-3	Naphthalene	690	J	140	1000	ug/Kg
106-47-8	4-Chloroaniline	210	UQ	210	1000	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	150	1000	ug/Kg
105-60-2	Caprolactam	310	U	310	2000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	U	170	1000	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	150	1000	ug/Kg
77-47-4	Hexachlorocyclopentadiene	700	U	700	2000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	120	U	120	1000	ug/Kg
95-95-4	2,4,5-Trichlorophenol	180	U	180	1000	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	1000	ug/Kg
91-58-7	2-Chloronaphthalene	140	U	140	1000	ug/Kg
88-74-4	2-Nitroaniline	290	U	290	1000	ug/Kg
131-11-3	Dimethylphthalate	160	U	160	1000	ug/Kg

Raw Data: **BM050074.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:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-170-SB01	SDG No.:	Q1901
Lab Sample ID:	Q1901-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	83
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
BM050074.D	5	04/29/25 09:30	05/01/25 21:18	PB167779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	170	U	170	1000	ug/Kg
606-20-2	2,6-Dinitrotoluene	200	U	200	1000	ug/Kg
99-09-2	3-Nitroaniline	280	UQ	280	1000	ug/Kg
83-32-9	Acenaphthene	550	J	130	1000	ug/Kg
51-28-5	2,4-Dinitrophenol	1400	U	1400	2000	ug/Kg
100-02-7	4-Nitrophenol	640	U	640	2000	ug/Kg
132-64-9	Dibenzofuran	140	U	140	1000	ug/Kg
121-14-2	2,4-Dinitrotoluene	300	U	300	1000	ug/Kg
84-66-2	Diethylphthalate	170	U	170	1000	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	160	U	160	1000	ug/Kg
86-73-7	Fluorene	580	J	150	1000	ug/Kg
100-01-6	4-Nitroaniline	390	U	390	1000	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	620	U	620	2000	ug/Kg
86-30-6	n-Nitrosodiphenylamine	200	U	200	1000	ug/Kg
101-55-3	4-Bromophenyl-phenylether	170	U	170	1000	ug/Kg
118-74-1	Hexachlorobenzene	150	U	150	1000	ug/Kg
1912-24-9	Atrazine	200	U	200	1000	ug/Kg
87-86-5	Pentachlorophenol	310	U	310	2000	ug/Kg
85-01-8	Phenanthrene	5600		130	1000	ug/Kg
120-12-7	Anthracene	1100		200	1000	ug/Kg
86-74-8	Carbazole	190	U	190	1000	ug/Kg
84-74-2	Di-n-butylphthalate	290	U	290	1000	ug/Kg
206-44-0	Fluoranthene	4700		180	1000	ug/Kg
129-00-0	Pyrene	4500		220	1000	ug/Kg
85-68-7	Butylbenzylphthalate	430	U	430	1000	ug/Kg
91-94-1	3,3-Dichlorobenzidine	220	UQ	220	2000	ug/Kg
56-55-3	Benzo(a)anthracene	2200		140	1000	ug/Kg
218-01-9	Chrysene	2100		120	1000	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	360	U	360	1000	ug/Kg
117-84-0	Di-n-octyl phthalate	520	U	520	2000	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000		110	1000	ug/Kg

Raw Data: **BM050074.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-170-SB01	SDG No.:	Q1901
Lab Sample ID:	Q1901-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	83
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
BM050074.D	5	04/29/25 09:30	05/01/25 21:18	PB167779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	590	J	130	1000	ug/Kg
50-32-8	Benzo(a)pyrene	1600		180	1000	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	740	J	180	1000	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	U	160	1000	ug/Kg
191-24-2	Benzo(g,h,i)perylene	980	J	150	1000	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	150	1000	ug/Kg
123-91-1	1,4-Dioxane	270	U	270	1000	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	U	160	1000	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	80.0		30 (18) - 130 (112)	53%	SPK: 150
13127-88-3	Phenol-d6	80.8		30 (15) - 130 (107)	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	44.8		30 (18) - 130 (107)	45%	SPK: 100
321-60-8	2-Fluorobiphenyl	44.0		30 (20) - 130 (109)	44%	SPK: 100
118-79-6	2,4,6-Tribromophenol	79.7		30 (10) - 130 (116)	53%	SPK: 150
1718-51-0	Terphenyl-d14	37.0		30 (10) - 130 (105)	37%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	274000	7.751			
1146-65-2	Naphthalene-d8	1010000	10.539			
15067-26-2	Acenaphthene-d10	706000	14.392			
1517-22-2	Phenanthrene-d10	1460000	17.145			
1719-03-5	Chrysene-d12	1410000	21.38			
1520-96-3	Perylene-d12	1410000	24.374			
TENTATIVE IDENTIFIED COMPOUNDS						
000244-99-5	5H-Indeno[1,2-b]pyridine	490	J		17.6	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	1100	J		18.0	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	1300	J		18.1	ug/Kg
000613-12-7	Anthracene, 2-methyl-	430	J		18.2	ug/Kg
000610-48-0	Anthracene, 1-methyl-	1500	J		18.2	ug/Kg
004505-48-0	1H-Indene, 2-phenyl-	700	J		18.3	ug/Kg
005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzen	470	J		18.5	ug/Kg

Raw Data: **BM050074.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-170-SB01	SDG No.:	Q1901
Lab Sample ID:	Q1901-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	83
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
BM050074.D	5	04/29/25 09:30	05/01/25 21:18	PB167779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000084-65-1	9,10-Anthracenedione	420	J		18.6	ug/Kg
002789-88-0	di-p-Tolylacetylene	710	J		18.9	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	550	J		19.1	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	450	J		20.1	ug/Kg
000205-82-3	Benzo[j]fluoranthene	1200	J		24.1	ug/Kg

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

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

Sample Results: **BM050074.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050074.D
Acq On : 01 May 2025 21:18
Operator : RC/JU
Sample : Q1901-03 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-170-SB01

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

Quant Time: May 02 01:13:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.751	152	274480	20.000	ng		-0.02
21) Naphthalene-d8	10.539	136	1008897	20.000	ng		-0.02
39) Acenaphthene-d10	14.392	164	706272	20.000	ng		-0.02
64) Phenanthrene-d10	17.145	188	1455099	20.000	ng		-0.01
76) Chrysene-d12	21.380	240	1407668	20.000	ng		-0.02
86) Perylene-d12	24.374	264	1408737	20.000	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.346	112	250744	15.996	ng		-0.01
7) Phenol-d6	6.940	99	318577	16.170	ng		-0.01
23) Nitrobenzene-d5	8.910	82	183326	8.954	ng		-0.02
42) 2,4,6-Tribromophenol	15.892	330	166388	15.933	ng		-0.01
45) 2-Fluorobiphenyl	13.016	172	525870	8.808	ng		-0.02
79) Terphenyl-d14	19.768	244	703185	7.392	ng		-0.01
Target Compounds							Qvalue
31) Naphthalene	10.592	128	175316	3.431	ng		99
52) Acenaphthene	14.457	154	104131	2.744	ng		99
58) Fluorene	15.445	166	148560	2.875	ng		98
71) Phenanthrene	17.186	178	2306825	28.108	ng		99
72) Anthracene	17.274	178	459861	5.537	ng		99
75) Fluoranthene	19.204	202	2273002	23.590	ng		100
78) Pyrene	19.568	202	2240960	22.670	ng		100
81) Benzo(a)anthracene	21.362	228	1056445	10.898	ng		99
83) Chrysene	21.427	228	936460	10.438	ng		98
87) Indeno(1,2,3-cd)pyrene	27.750	276	388788	3.704	ng		98
88) Benzo(b)fluoranthene	23.433	252	895654	9.776	ng	#	97
89) Benzo(k)fluoranthene	23.486	252	270817m	2.922	ng		
90) Benzo(a)pyrene	24.233	252	673773	7.852	ng		97
92) Benzo(g,h,i)perylene	28.797	276	399694	4.879	ng		100

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

Sample Results: **BM050074.D**

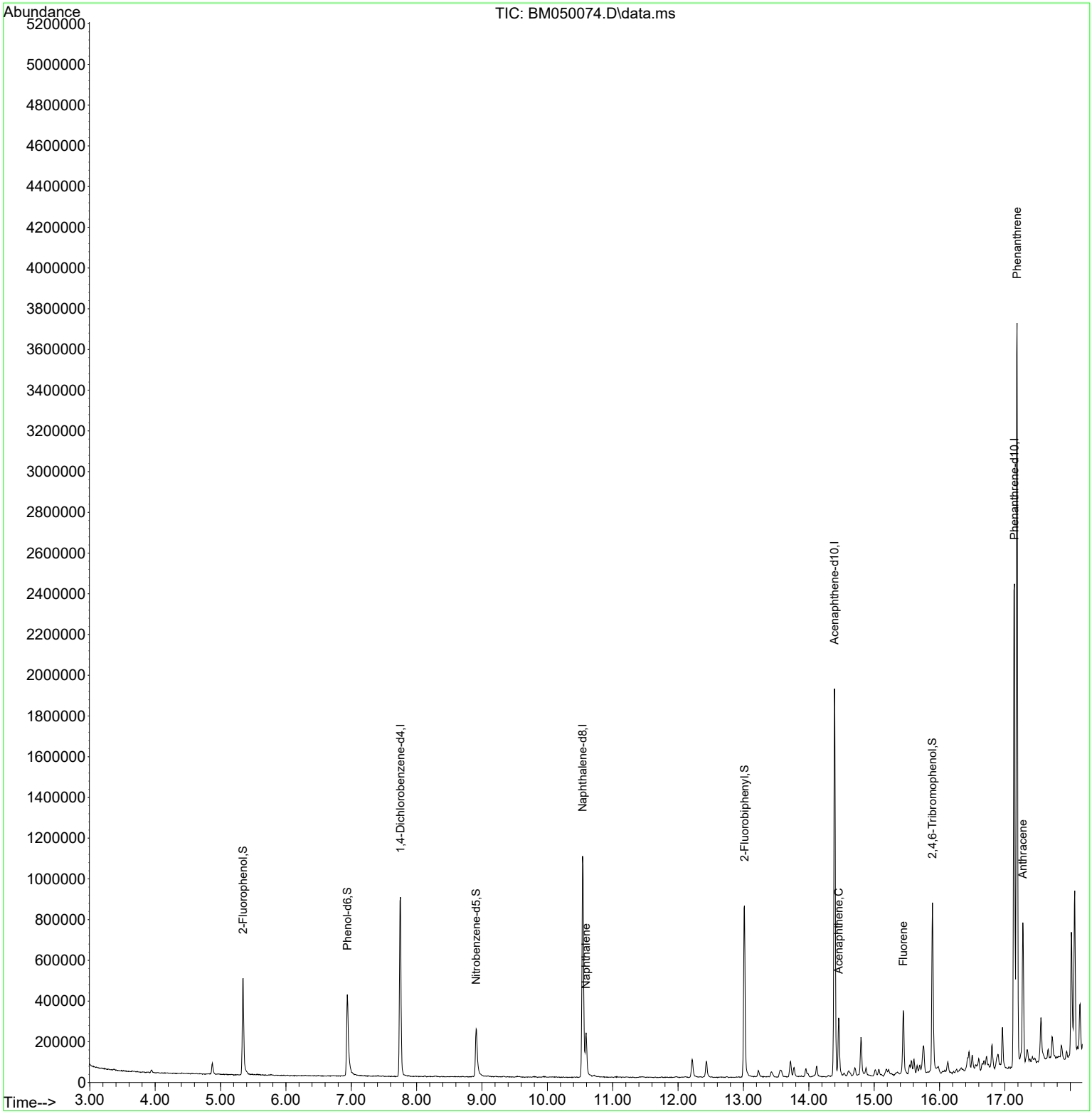
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050074.D
Acq On : 01 May 2025 21:18
Operator : RC/JU
Sample : Q1901-03 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 02 01:13:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
B-170-SB01

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



Sample Results: **BM050074.D**

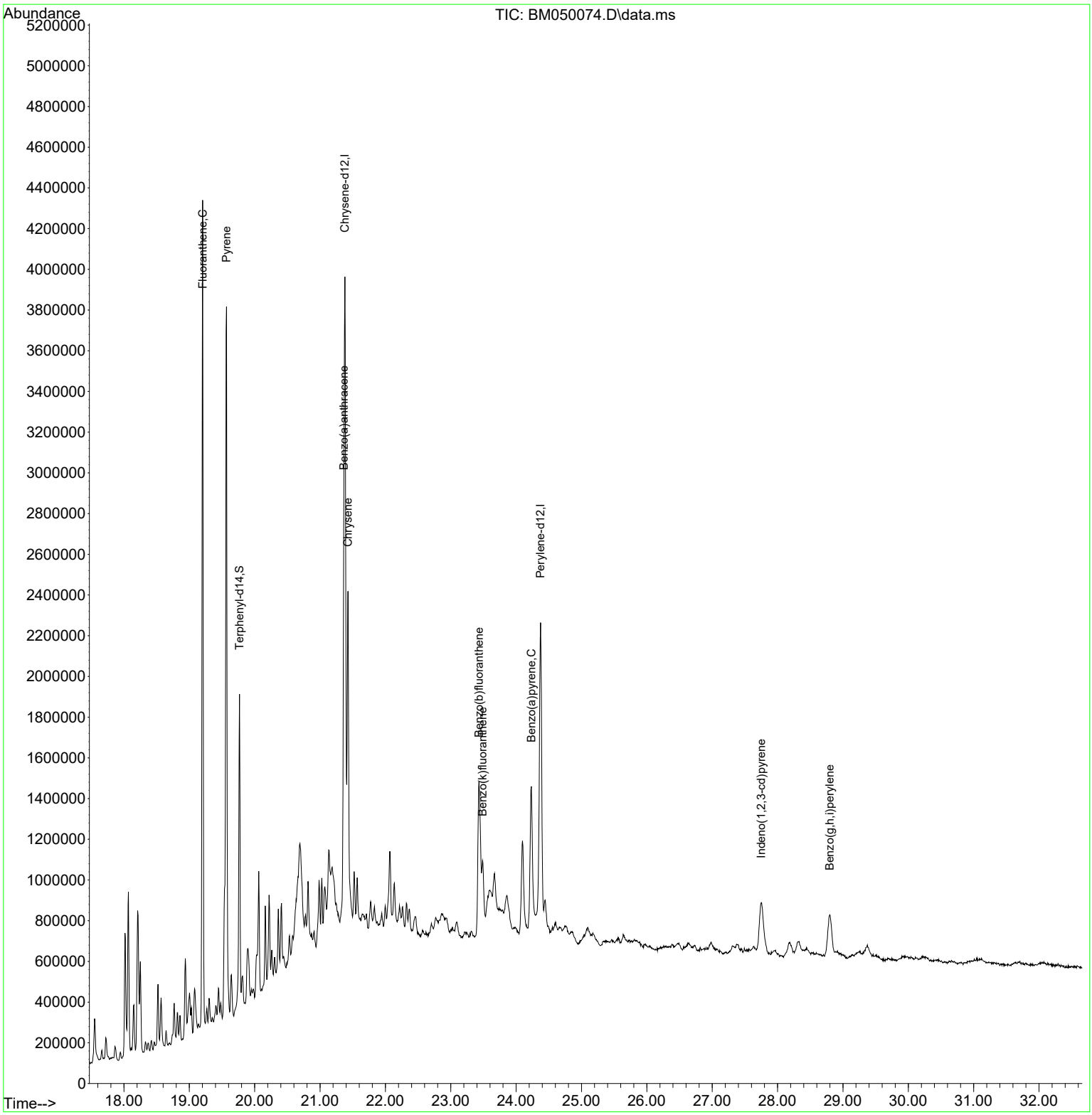
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050074.D
Acq On : 01 May 2025 21:18
Operator : RC/JU
Sample : Q1901-03 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

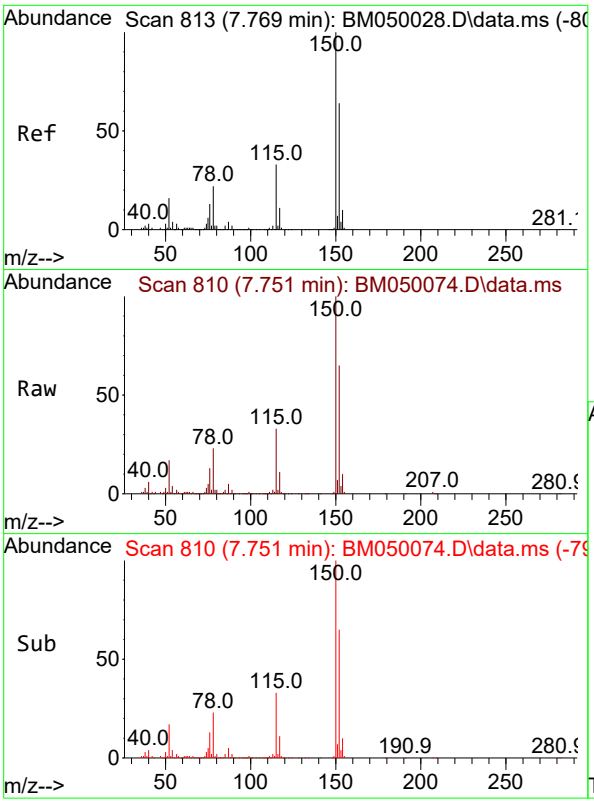
Quant Time: May 02 01:13:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
B-170-SB01

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

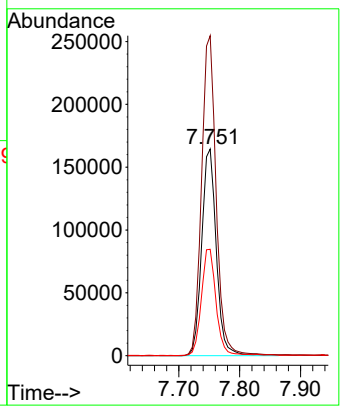




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.751 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM050074.D
Acq: 01 May 2025 21:18

Tgt Ion:152 Resp: 27448

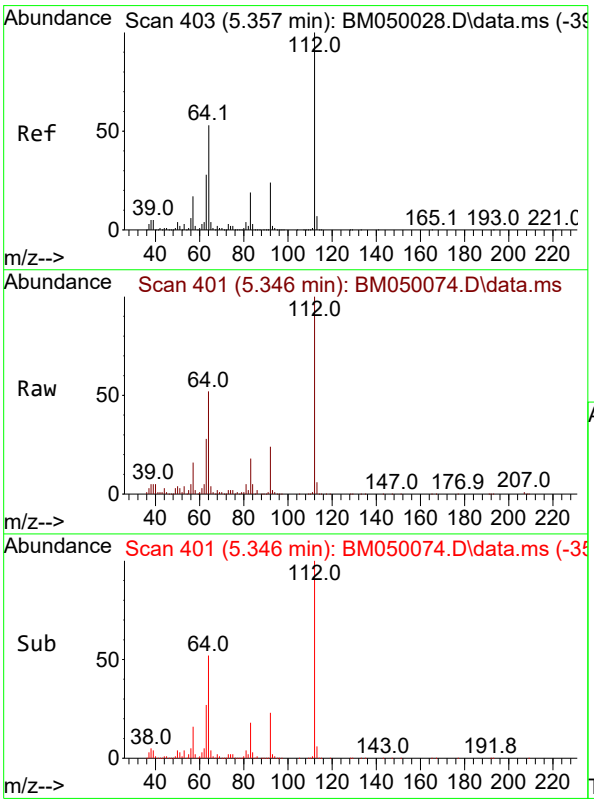
Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.1	186.1
115	51.5	41.2	61.8



Instrument :
BNA_M
ClientSampleId :
B-170-SB01

Manual Integrations
APPROVED

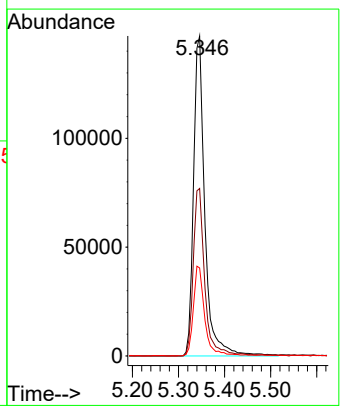
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

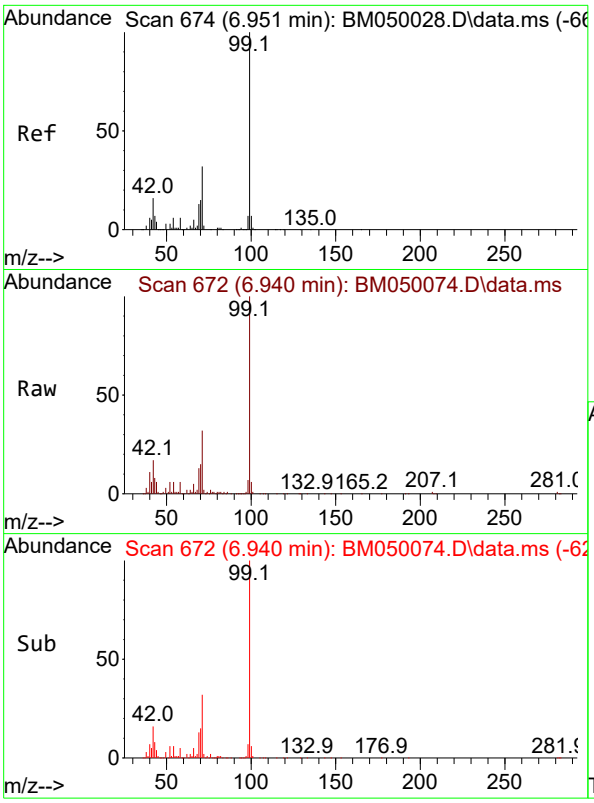


#5
2-Fluorophenol
Concen: 15.996 ng
RT: 5.346 min Scan# 401
Delta R.T. -0.012 min
Lab File: BM050074.D
Acq: 01 May 2025 21:18

Tgt Ion:112 Resp: 250744

Ion	Ratio	Lower	Upper
112	100		
64	52.3	42.6	64.0
63	27.5	22.2	33.4





#7
Phenol-d6
Concen: 16.170 ng
RT: 6.940 min Scan# 6
Delta R.T. -0.012 min
Lab File: BM050074.D
Acq: 01 May 2025 21:18

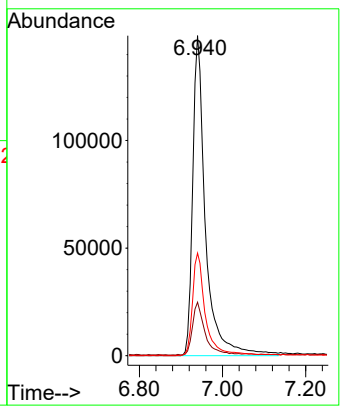
Tgt Ion: 99 Resp: 31857

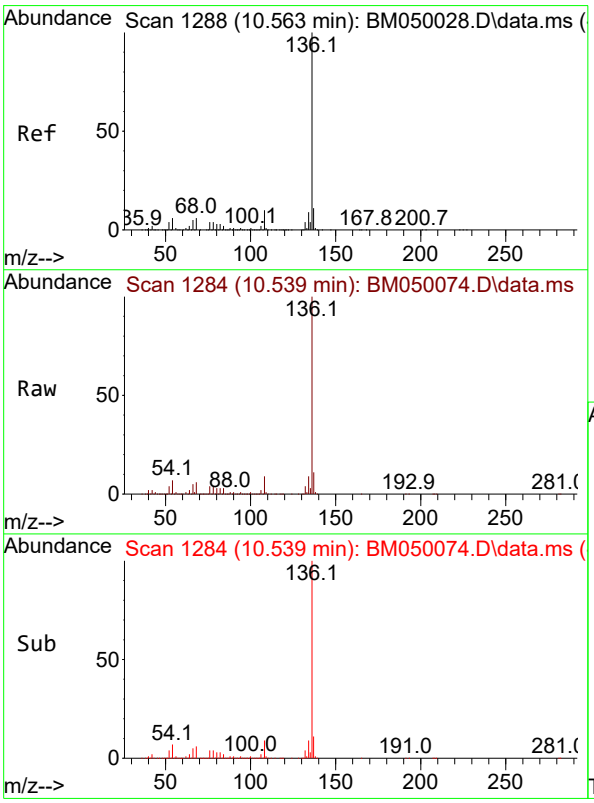
Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.0	19.4
71	32.1	25.6	38.4

Instrument :
BNA_M
ClientSampleId :
B-170-SB01

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

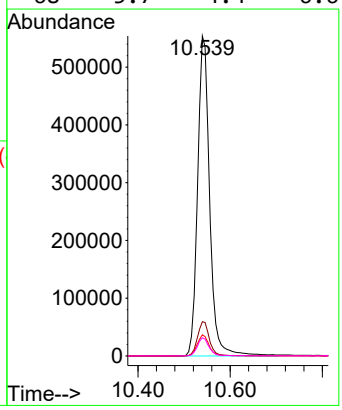


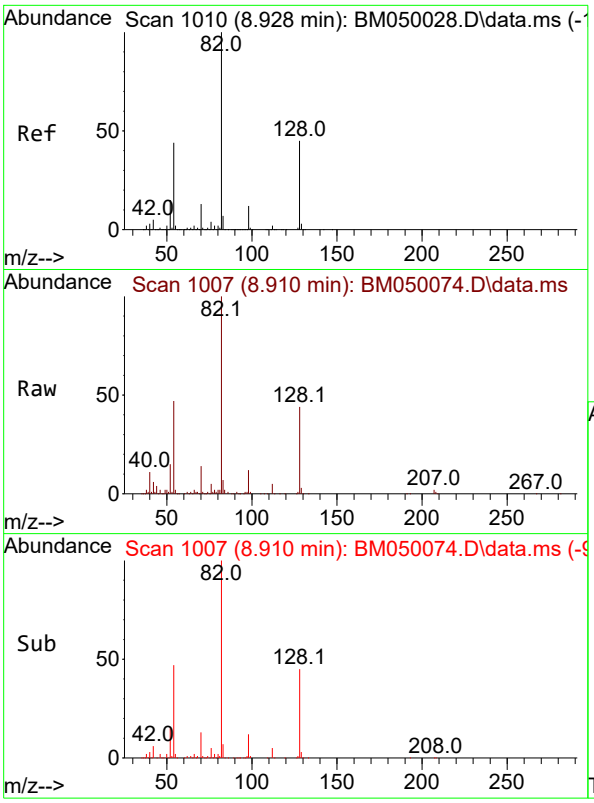


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.023 min
Lab File: BM050074.D
Acq: 01 May 2025 21:18

Tgt Ion:136 Resp: 1008897

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.6	5.1	7.7
68	5.7	4.4	6.6

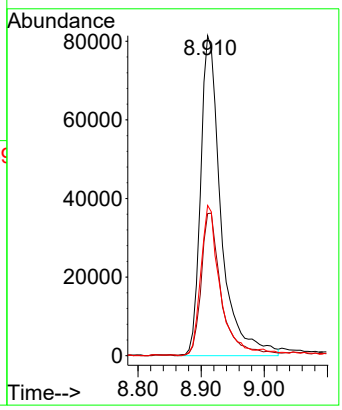




#23
Nitrobenzene-d5
Concen: 8.954 ng
RT: 8.910 min Scan# 1(
Delta R.T. -0.018 min
Lab File: BM050074.D
Acq: 01 May 2025 21:18

Tgt Ion: 82 Resp: 18332(

Ion	Ratio	Lower	Upper
82	100		
128	44.4	35.7	53.5
54	47.0	35.4	53.2



Instrument :
BNA_M
ClientSampleId :
B-170-SB01

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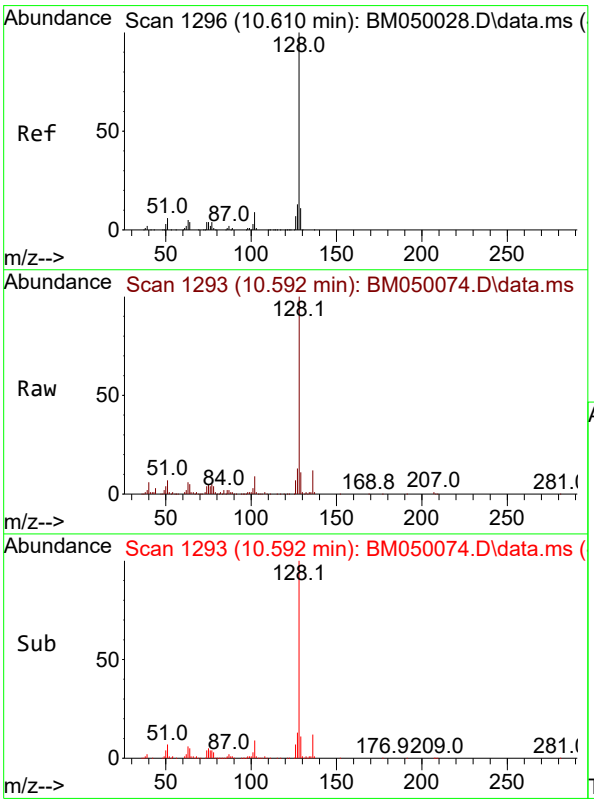
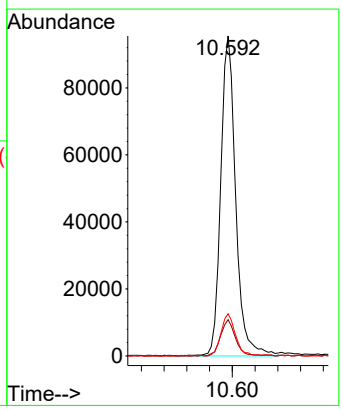
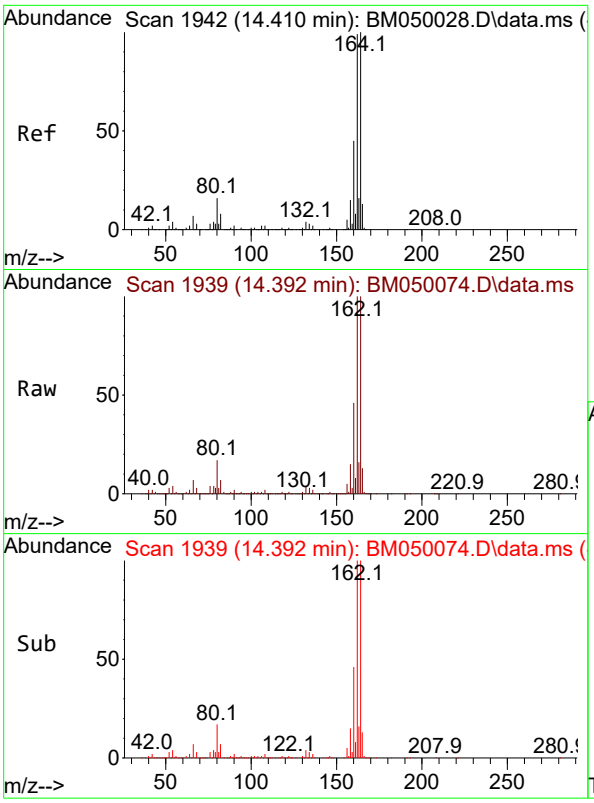


#31
Naphthalene
Concen: 3.431 ng
RT: 10.592 min Scan# 1293
Delta R.T. -0.018 min
Lab File: BM050074.D
Acq: 01 May 2025 21:18

Tgt Ion:128 Resp: 175316

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	13.2	10.4	15.6

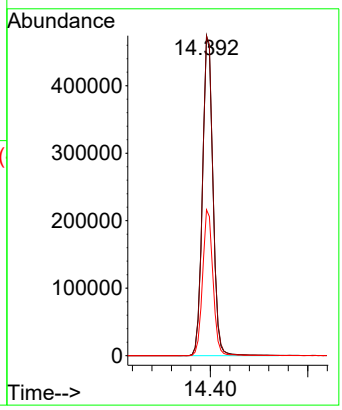




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050074.D
Acq: 01 May 2025 21:18

Tgt Ion:164 Resp: 70627

Ion	Ratio	Lower	Upper
164	100		
162	100.1	79.4	119.0
160	45.7	36.2	54.4



Instrument :
BNA_M
ClientSampleId :
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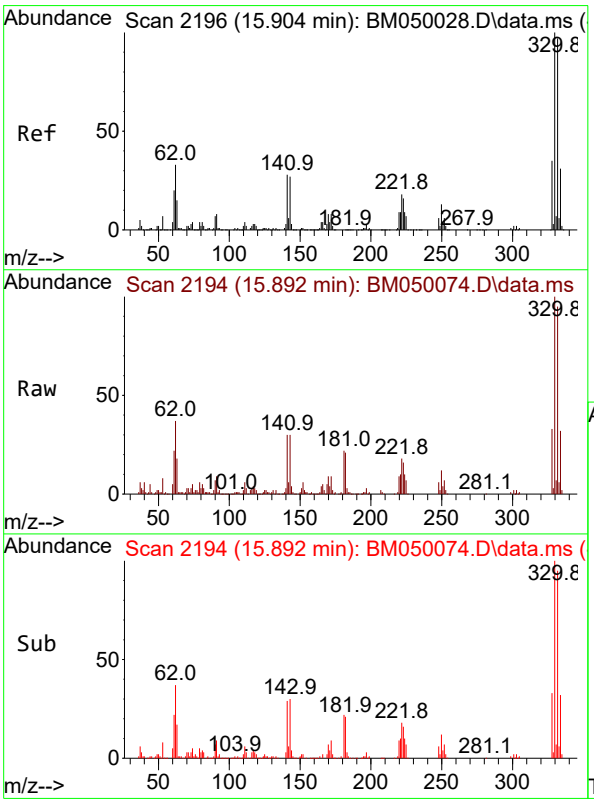
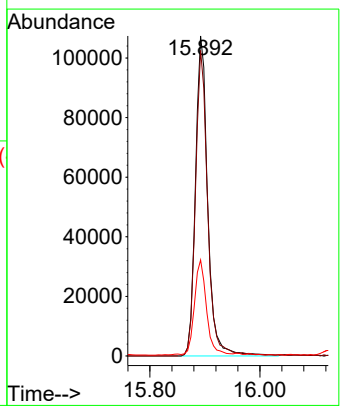
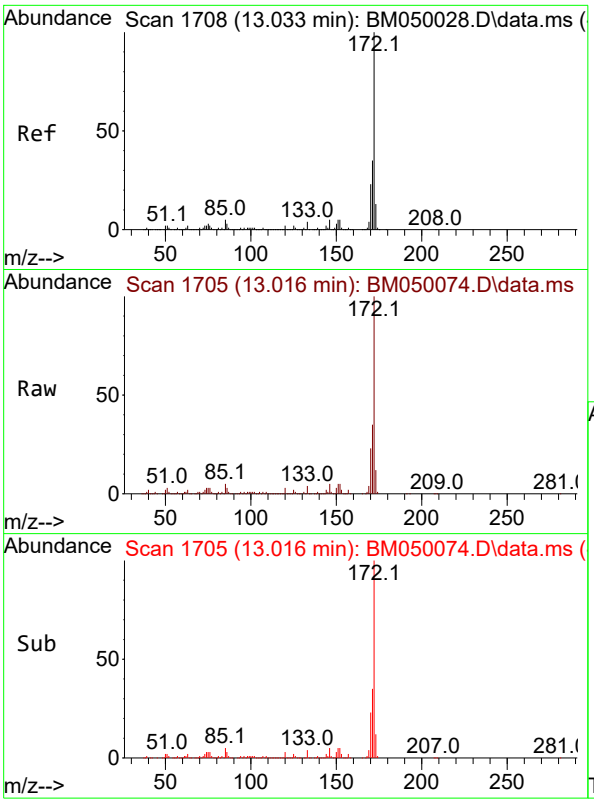


#42
2,4,6-Tribromophenol
Concen: 15.933 ng
RT: 15.892 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BM050074.D
Acq: 01 May 2025 21:18

Tgt Ion:330 Resp: 166388

Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.3	115.9
141	29.5	22.5	33.7

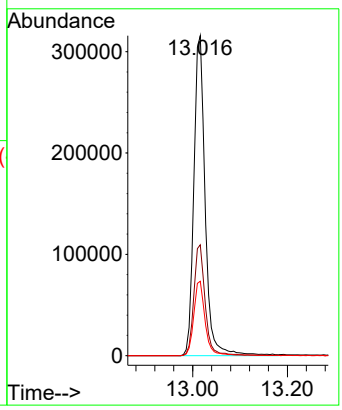




#45
2-Fluorobiphenyl
Concen: 8.808 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050074.D
Acq: 01 May 2025 21:18

Tgt Ion:172 Resp: 52587

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	23.3	18.6	28.0



Instrument :
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ClientSampleId :
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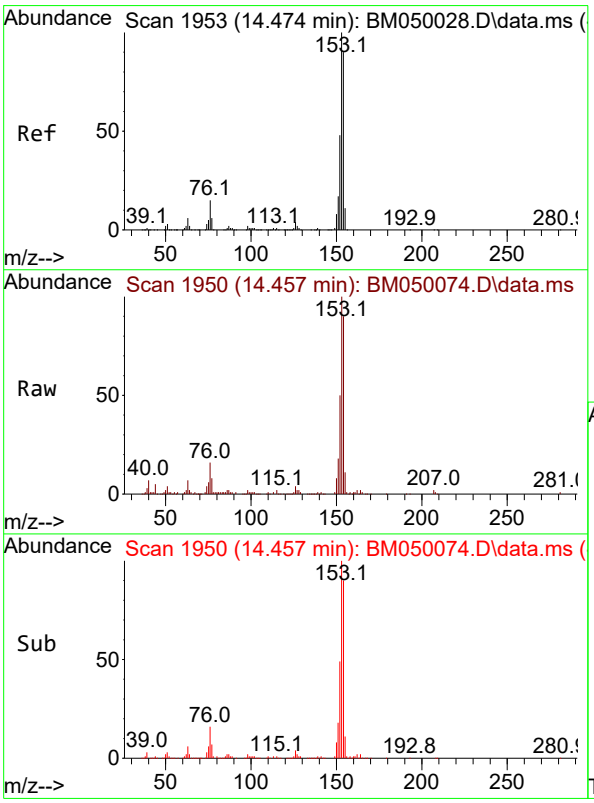
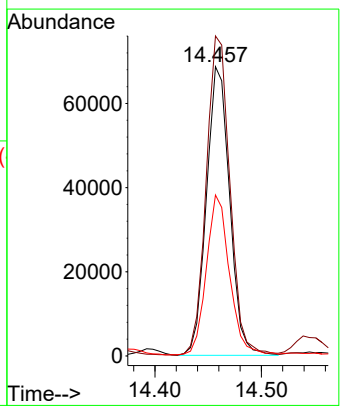
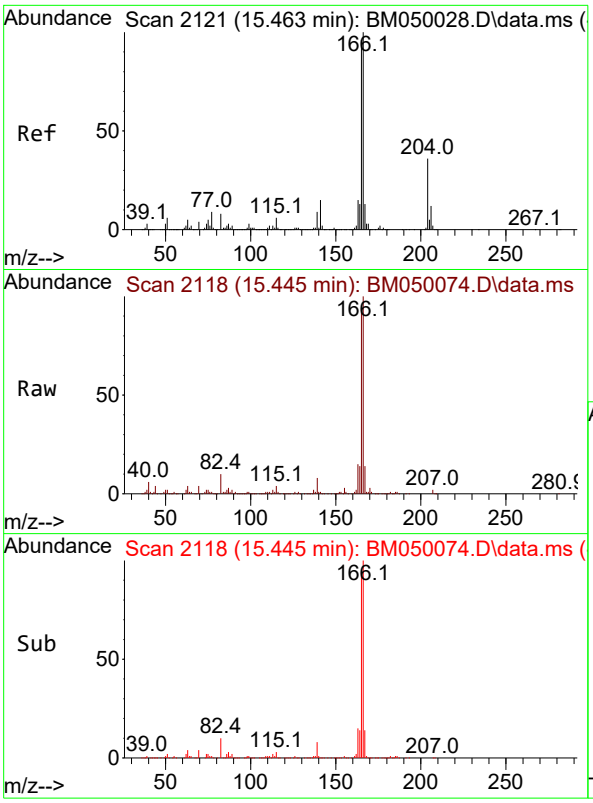


#52
Acenaphthene
Concen: 2.744 ng
RT: 14.457 min Scan# 1950
Delta R.T. -0.018 min
Lab File: BM050074.D
Acq: 01 May 2025 21:18

Tgt Ion:154 Resp: 104131

Ion	Ratio	Lower	Upper
154	100		
153	110.6	89.0	133.4
152	55.6	43.0	64.6





#58
Fluorene
Concen: 2.875 ng
RT: 15.445 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM050074.D
Acq: 01 May 2025 21:18

Tgt Ion:166 Resp: 14856

Ion	Ratio	Lower	Upper
166	100		
165	94.4	76.6	115.0
167	14.4	10.6	16.0

Instrument :
BNA_M
ClientSampleId :
B-170-SB01

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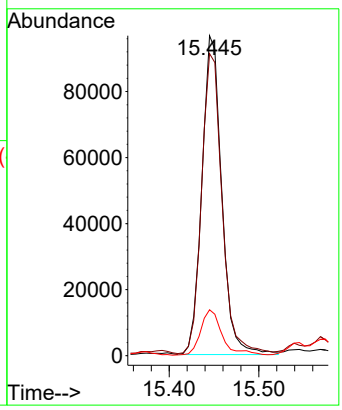
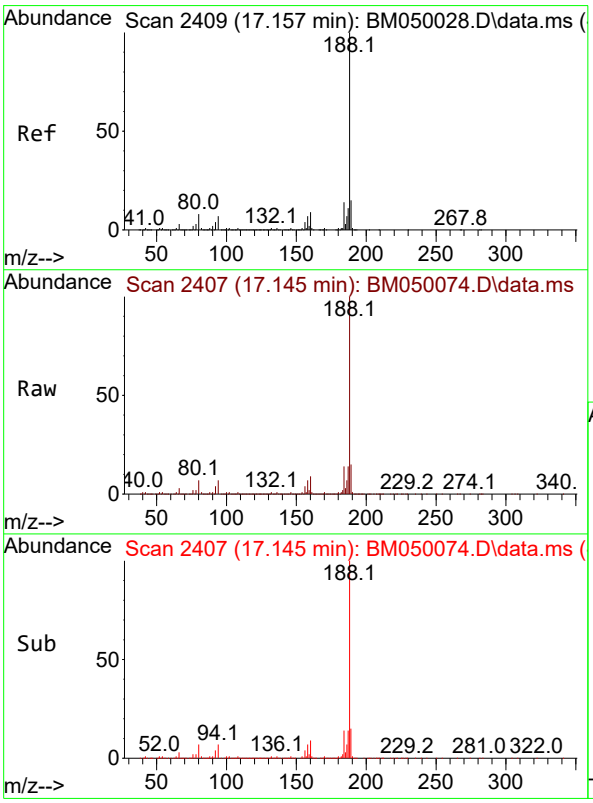
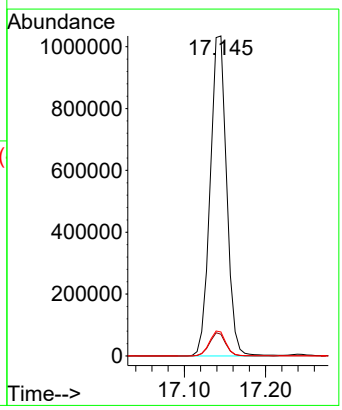


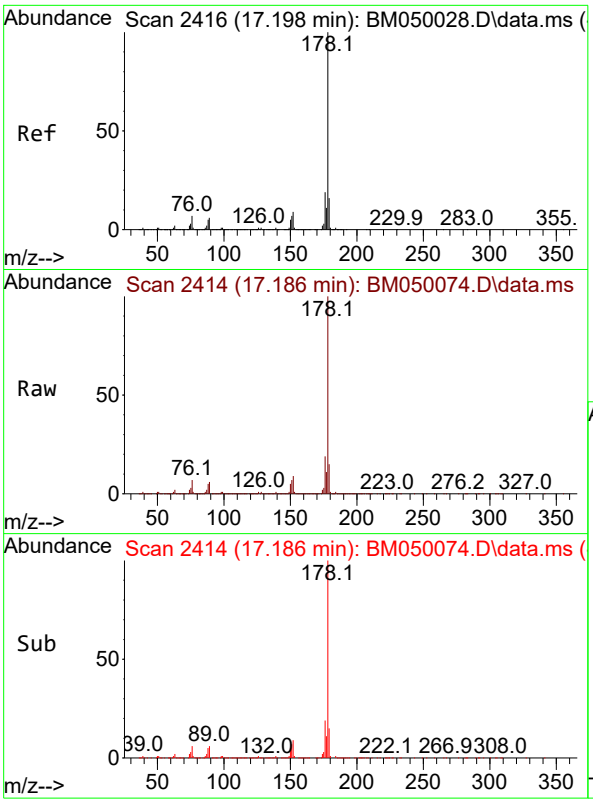


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BM050074.D
Acq: 01 May 2025 21:18

Tgt Ion:188 Resp: 1455099

Ion	Ratio	Lower	Upper
188	100		
94	6.8	5.7	8.5
80	7.5	6.2	9.4

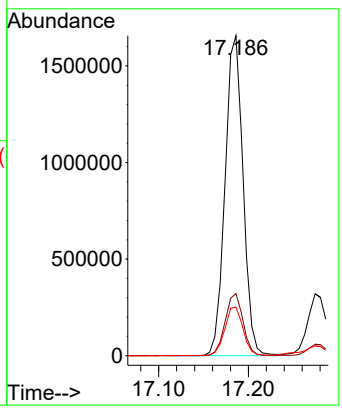




#71
Phenanthrene
Concen: 28.108 ng
RT: 17.186 min Scan# 24
Delta R.T. -0.012 min
Lab File: BM050074.D
Acq: 01 May 2025 21:18

Tgt Ion:178 Resp: 230682

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.2	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
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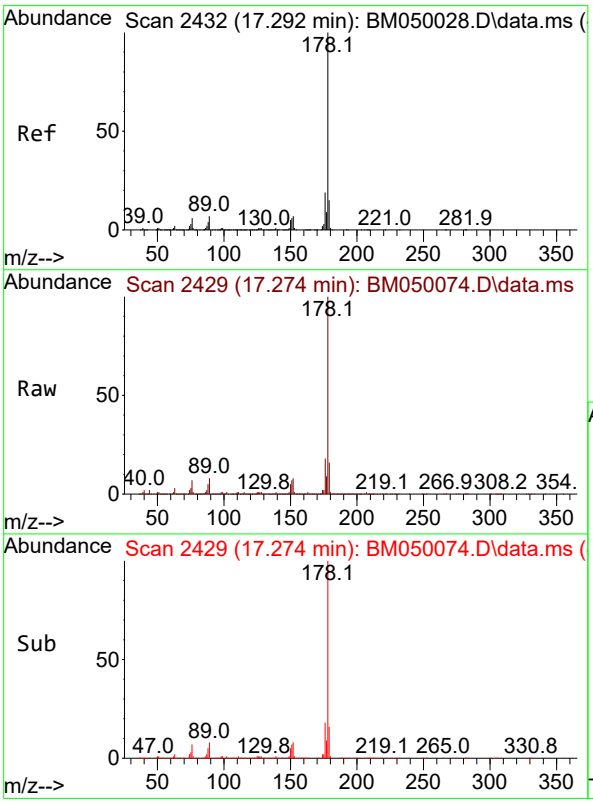
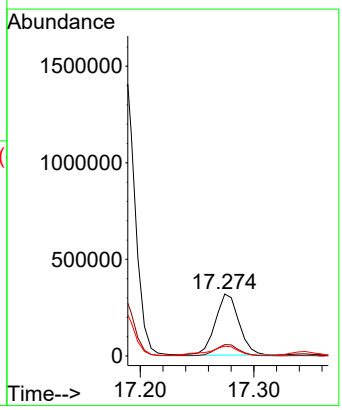
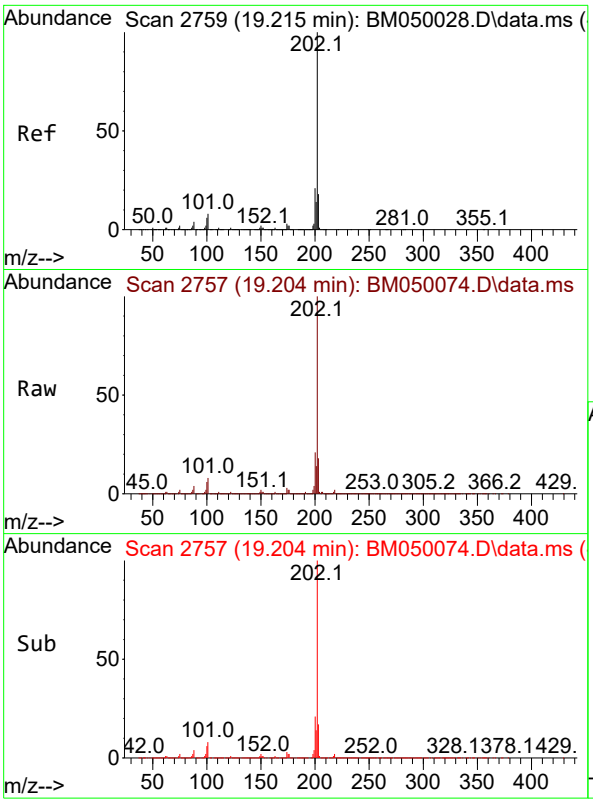


#72
Anthracene
Concen: 5.537 ng
RT: 17.274 min Scan# 2429
Delta R.T. -0.018 min
Lab File: BM050074.D
Acq: 01 May 2025 21:18

Tgt Ion:178 Resp: 459861

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.4
179	15.8	12.2	18.4

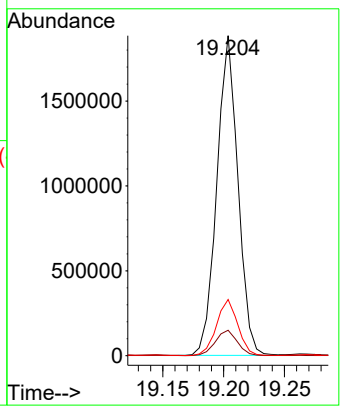




#75
Fluoranthene
Concen: 23.590 ng
RT: 19.204 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050074.D
Acq: 01 May 2025 21:18

Tgt Ion:202 Resp: 227300

Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	28.0
203	17.5	0.0	37.7



Instrument :
BNA_M
ClientSampleId :
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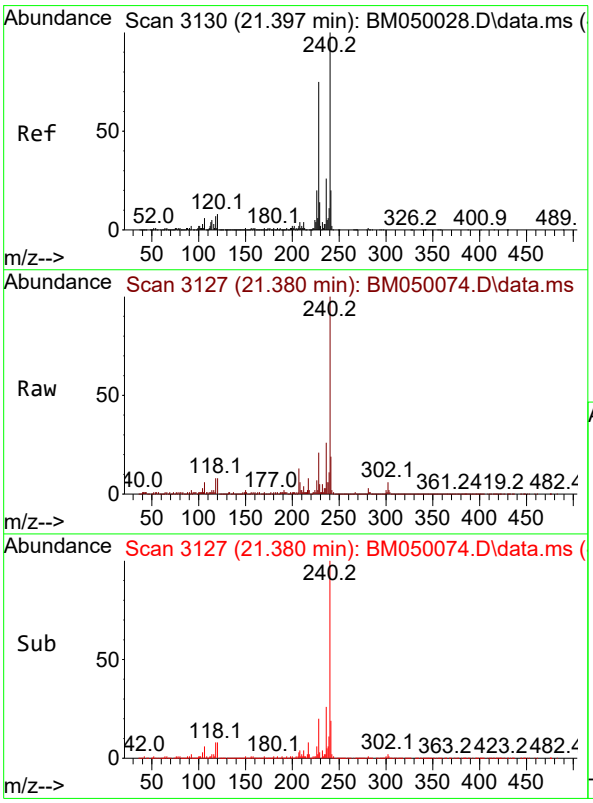
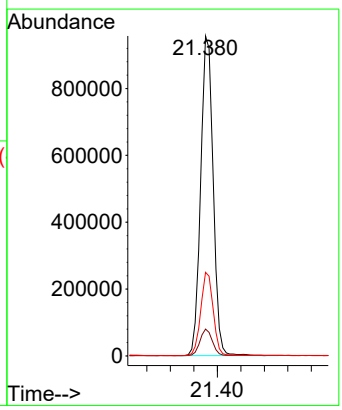
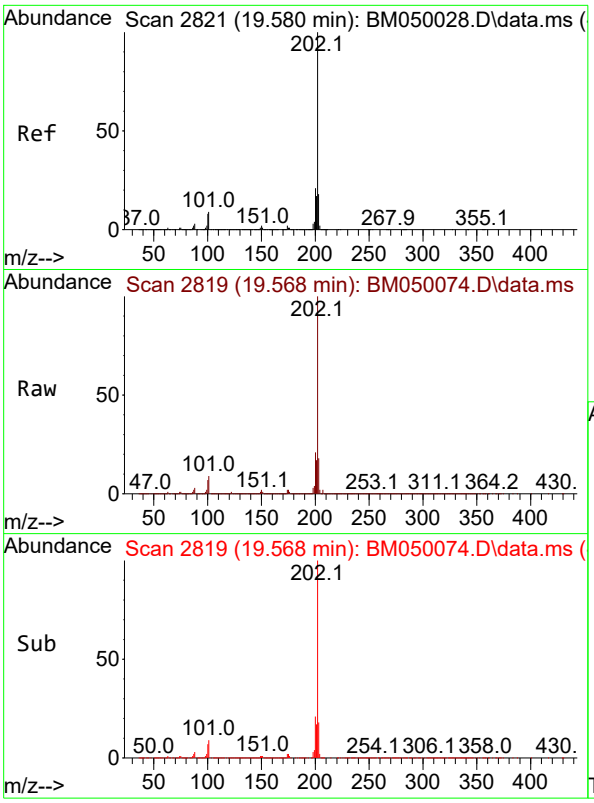


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 3127
Delta R.T. -0.017 min
Lab File: BM050074.D
Acq: 01 May 2025 21:18

Tgt Ion:240 Resp: 1407668

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.5	9.7
236	26.2	20.9	31.3

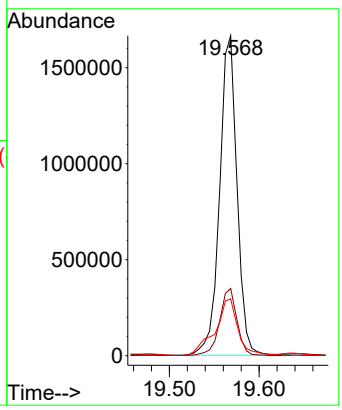




#78
Pyrene
Concen: 22.670 ng
RT: 19.568 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050074.D
Acq: 01 May 2025 21:18

Tgt Ion:202 Resp: 224096

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.8	14.1	21.1



Instrument :
BNA_M
ClientSampleId :
B-170-SB01

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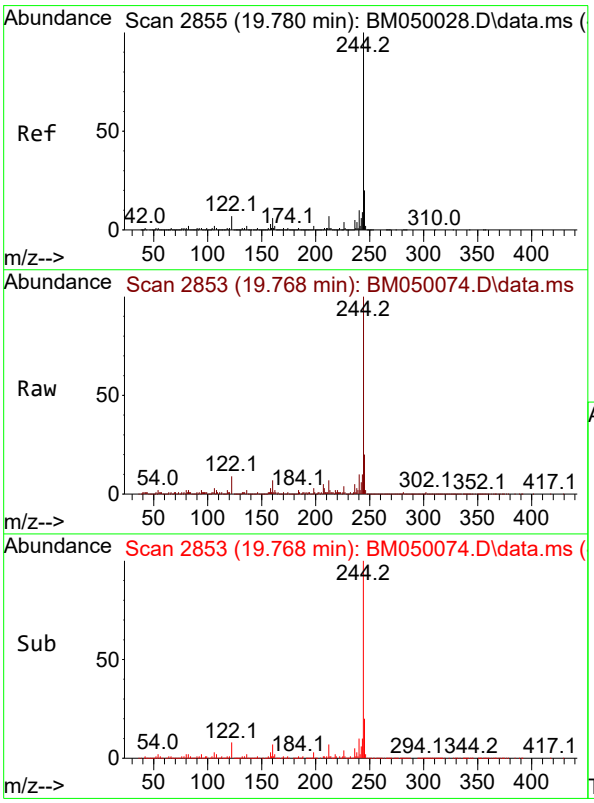
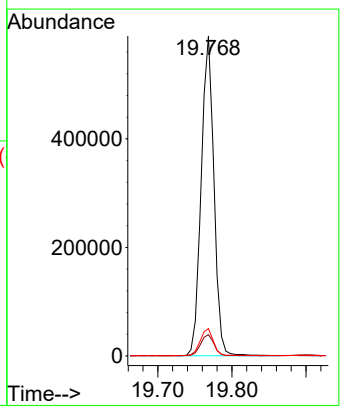
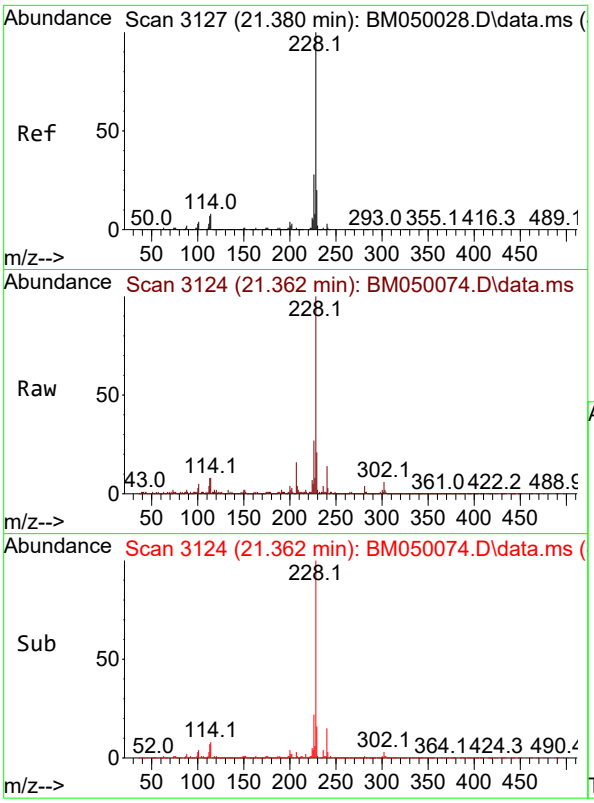


#79
Terphenyl-d14
Concen: 7.392 ng
RT: 19.768 min Scan# 2853
Delta R.T. -0.012 min
Lab File: BM050074.D
Acq: 01 May 2025 21:18

Tgt Ion:244 Resp: 703185

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	8.5	5.6	8.4#

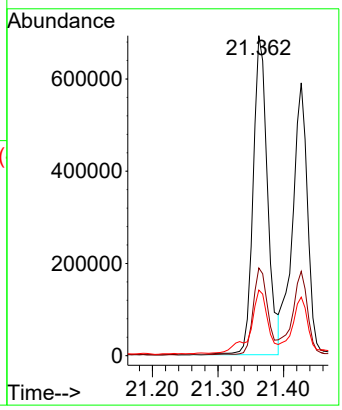




#81
Benzo(a)anthracene
Concen: 10.898 ng
RT: 21.362 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM050074.D
Acq: 01 May 2025 21:18

Tgt Ion:228 Resp: 105644

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.1	33.1
229	20.5	15.7	23.5



Instrument :
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ClientSampleId :
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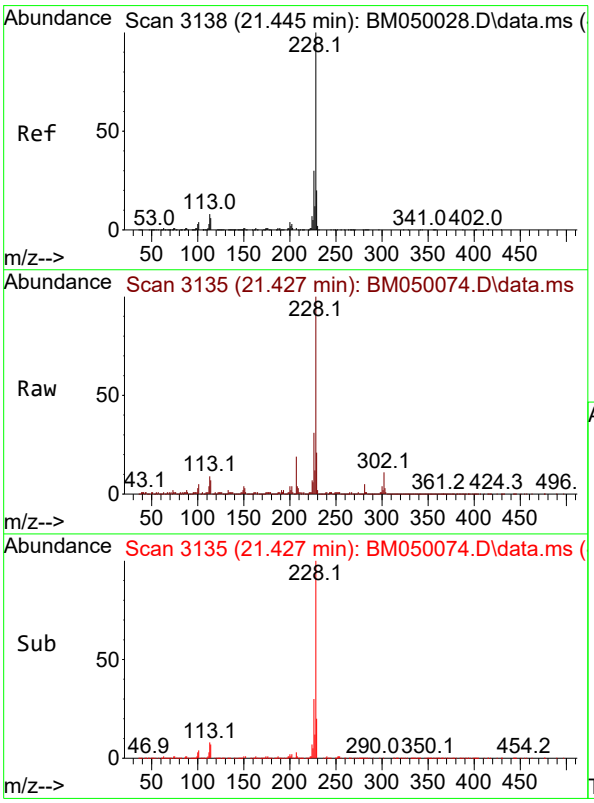
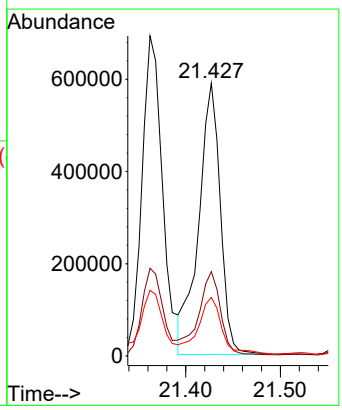
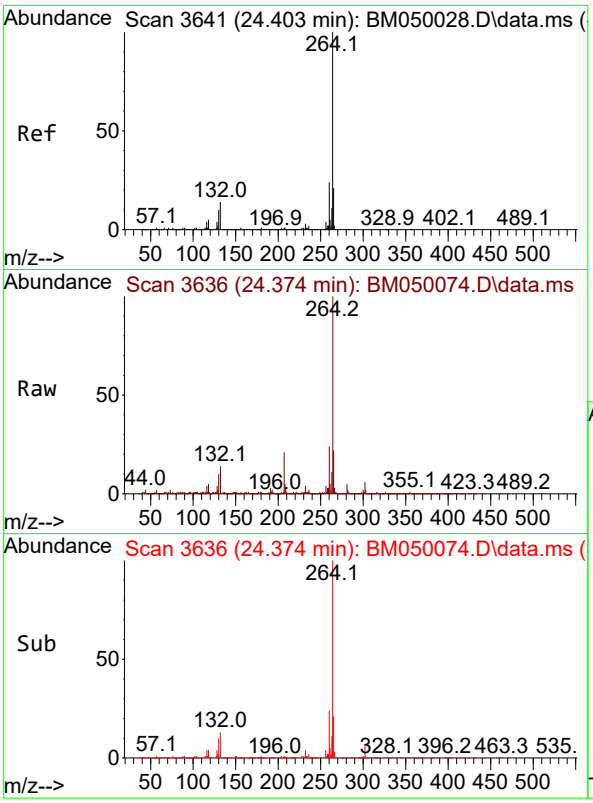


#83
Chrysene
Concen: 10.438 ng
RT: 21.427 min Scan# 3135
Delta R.T. -0.018 min
Lab File: BM050074.D
Acq: 01 May 2025 21:18

Tgt Ion:228 Resp: 936460

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.2	36.2
229	21.5	15.7	23.5

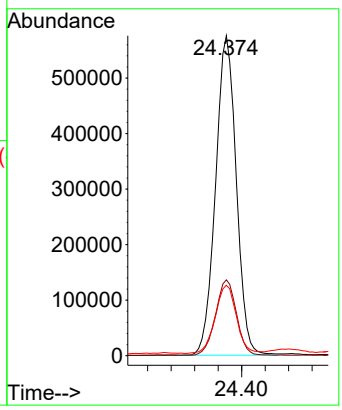




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 3
Delta R.T. -0.029 min
Lab File: BM050074.D
Acq: 01 May 2025 21:18

Tgt Ion:264 Resp: 140873

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.8	28.2
265	22.0	17.0	25.4



Instrument :
BNA_M
ClientSampleId :
B-170-SB01

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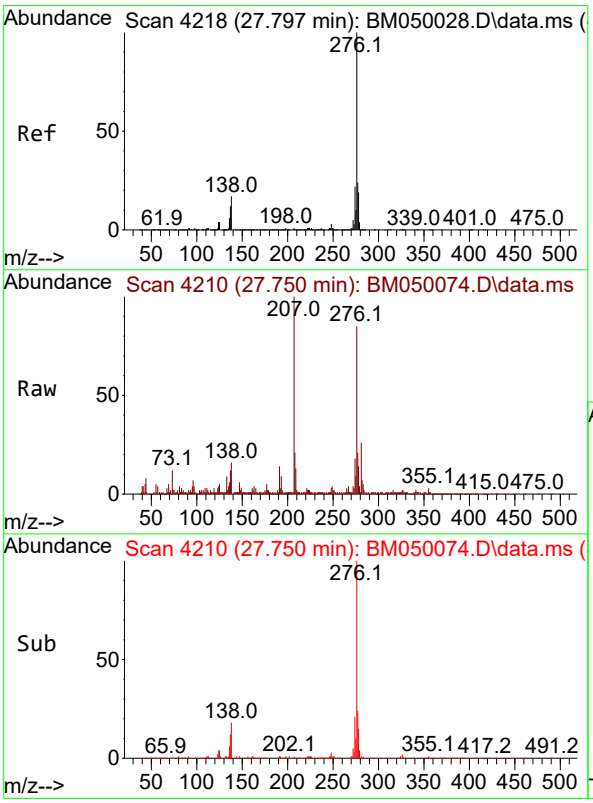
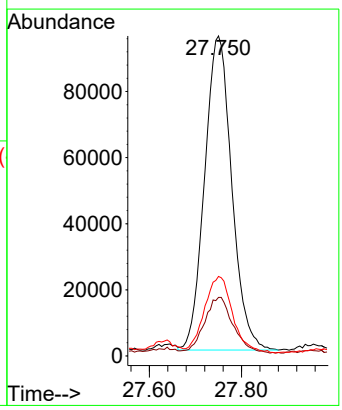
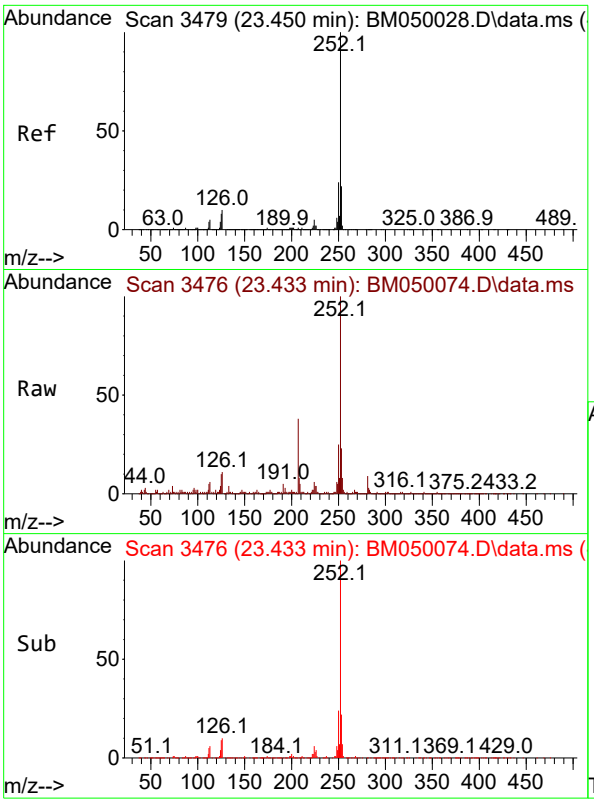


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.704 ng
RT: 27.750 min Scan# 4210
Delta R.T. -0.047 min
Lab File: BM050074.D
Acq: 01 May 2025 21:18

Tgt Ion:276 Resp: 388788

Ion	Ratio	Lower	Upper
276	100		
138	19.1	16.4	24.6
277	25.6	19.8	29.8





#88
Benzo(b)fluoranthene
Concen: 9.776 ng
RT: 23.433 min Scan# 34
Delta R.T. -0.018 min
Lab File: BM050074.D
Acq: 01 May 2025 21:18

Instrument :
BNA_M
ClientSampleId :
B-170-SB01

Tgt Ion:252 Resp: 89565

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	9.6	6.1	9.1#

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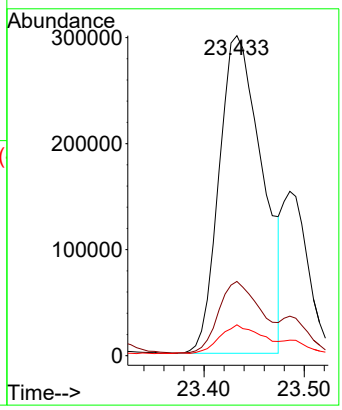
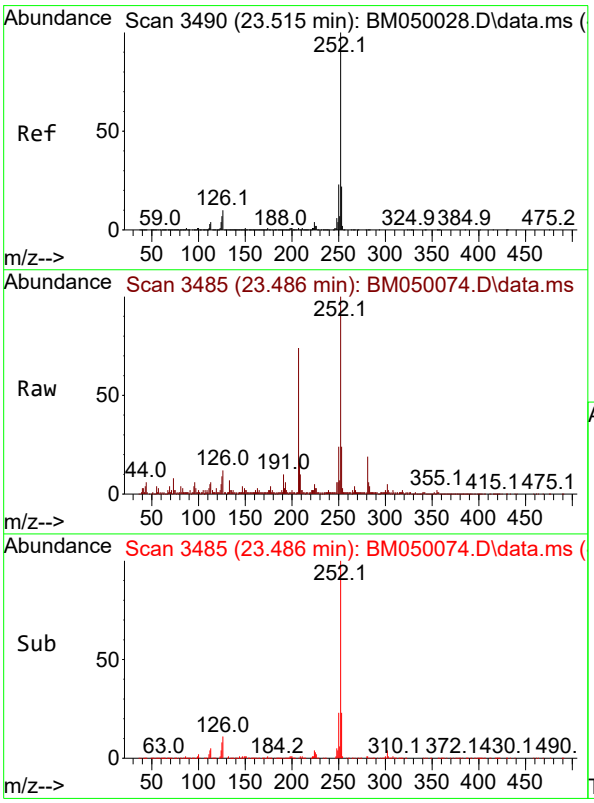
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

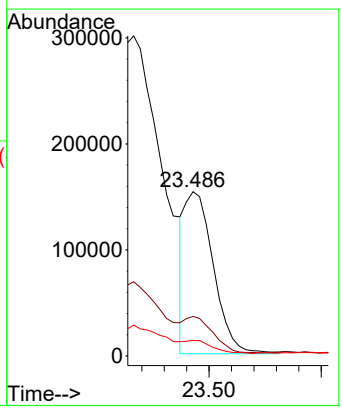


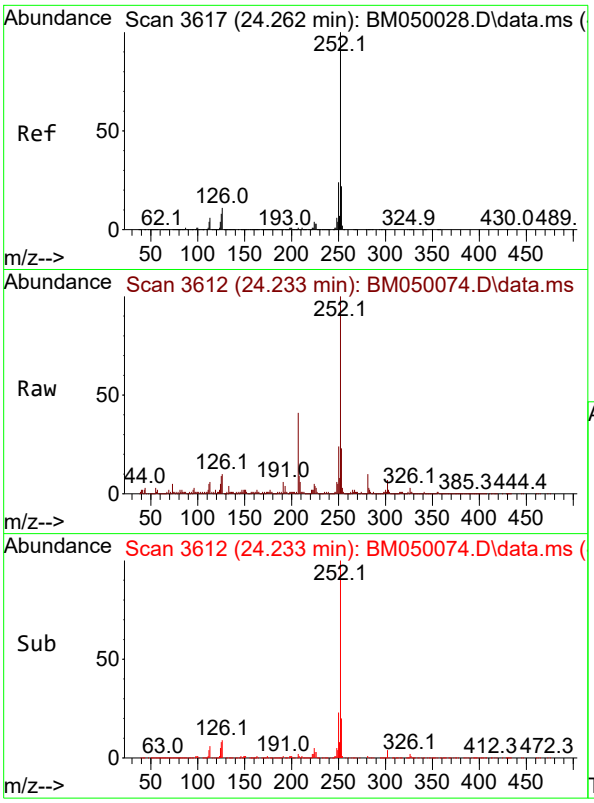


#89
Benzo(k)fluoranthene
Concen: 2.922 ng m
RT: 23.486 min Scan# 3485
Delta R.T. -0.029 min
Lab File: BM050074.D
Acq: 01 May 2025 21:18

Tgt Ion:252 Resp: 270817

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.2
125	9.4	5.8	8.8#

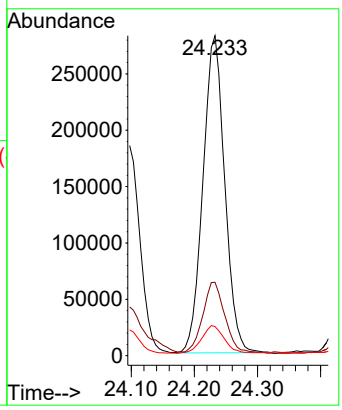




#90
Benzo(a)pyrene
Concen: 7.852 ng
RT: 24.233 min Scan# 3
Delta R.T. -0.029 min
Lab File: BM050074.D
Acq: 01 May 2025 21:18

Tgt Ion:252 Resp: 67377

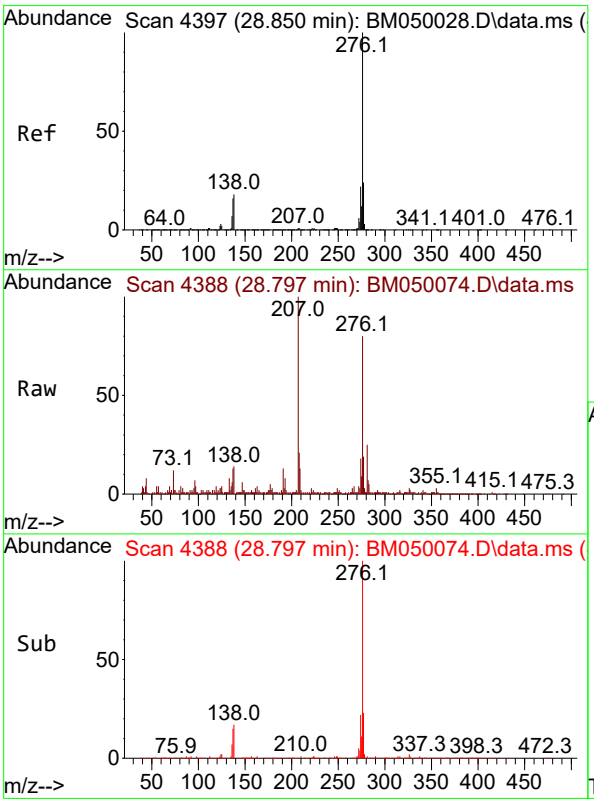
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.0
125	9.1	6.6	9.8



Instrument :
BNA_M
ClientSampleId :
B-170-SB01

Manual Integrations
APPROVED

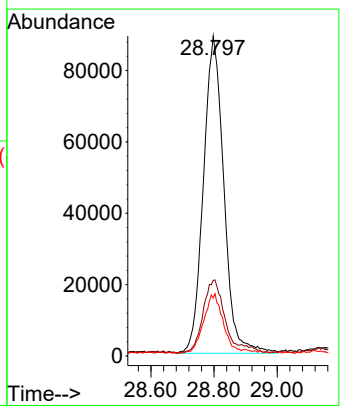
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#92
Benzo(g,h,i)perylene
Concen: 4.879 ng
RT: 28.797 min Scan# 4388
Delta R.T. -0.053 min
Lab File: BM050074.D
Acq: 01 May 2025 21:18

Tgt Ion:276 Resp: 399694

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.1	28.7
138	18.1	14.3	21.5



Sample Results: **BM050074.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050074.D
Acq On : 01 May 2025 21:18
Operator : RC/JU
Sample : Q1901-03 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-170-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_M\Methods\8270-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM050074.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.875	316	321	329	rVB	56516	87642	1.31%	0.132%
2	5.346	395	401	415	rBV	473193	800651	11.96%	1.205%
3	6.940	665	672	683	rBV	397156	807770	12.06%	1.215%
4	7.751	802	810	823	rBV	880309	1475970	22.04%	2.221%
5	8.910	1000	1007	1023	rBV	234143	522096	7.80%	0.786%
6	10.539	1273	1284	1290	rBV	1086934	1941892	29.00%	2.922%
7	10.592	1290	1293	1308	rVB	215527	388500	5.80%	0.585%
8	12.216	1562	1569	1580	rBV	87288	173533	2.59%	0.261%
9	12.433	1600	1606	1618	rVB2	76559	143900	2.15%	0.217%
10	13.016	1698	1705	1718	rBV	841792	1407252	21.01%	2.117%
11	13.563	1792	1798	1808	rBV4	34894	101435	1.51%	0.153%
12	13.722	1818	1825	1830	rBV	76010	139559	2.08%	0.210%
13	13.775	1830	1834	1843	rVB	44755	75279	1.12%	0.113%
14	14.122	1884	1893	1899	rVB2	48411	79346	1.18%	0.119%
15	14.392	1932	1939	1946	rBV	1902359	2863921	42.77%	4.309%
16	14.457	1946	1950	1959	rVB	281927	445373	6.65%	0.670%
17	14.704	1984	1992	1998	rBV2	39876	78745	1.18%	0.118%
18	14.798	2003	2008	2015	rVV	185713	301922	4.51%	0.454%
19	15.186	2066	2074	2077	rBV4	35020	76689	1.15%	0.115%
20	15.445	2111	2118	2130	rVB	310028	509385	7.61%	0.766%
21	15.569	2136	2139	2142	rVV	54977	78772	1.18%	0.119%
22	15.610	2142	2146	2151	rVB3	64611	93482	1.40%	0.141%
23	15.757	2164	2171	2177	rVB3	131715	279534	4.17%	0.421%
24	15.892	2188	2194	2203	rBV	823846	1278156	19.09%	1.923%
25	16.127	2229	2234	2239	rVB5	52125	89845	1.34%	0.135%
26	16.427	2278	2285	2286	rBV3	63930	90552	1.35%	0.136%
27	16.451	2286	2289	2294	rVV2	87093	139041	2.08%	0.209%
28	16.498	2294	2297	2303	rVB2	64499	99263	1.48%	0.149%
29	16.598	2311	2314	2319	rVB	57294	83593	1.25%	0.126%
30	16.804	2344	2349	2356	rVB	118853	198991	2.97%	0.299%
31	16.892	2356	2364	2369	rBV4	70850	190197	2.84%	0.286%
32	16.963	2371	2376	2384	rVB	198057	296631	4.43%	0.446%
33	17.145	2400	2407	2410	rBV	2374329	3423432	51.12%	5.151%
34	17.186	2410	2414	2421	rVV	3645905	5052470	75.45%	7.602%
35	17.274	2421	2429	2435	rVV	690163	1065076	15.90%	1.603%
36	17.339	2435	2440	2445	rVV2	59001	114601	1.71%	0.172%

Sample Results: **BM050074.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050074.D
Acq On : 01 May 2025 21:18
Operator : RC/JU
Sample : Q1901-03 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-170-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_M\Methods\8270-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.551	2470	2476	2488	rBV	213620	418307	6.25%	0.629%
38	17.721	2501	2505	2515	rVB2	107652	192260	2.87%	0.289%
39	17.863	2526	2529	2538	rVB	68943	116758	1.74%	0.176%
40	18.015	2550	2555	2560	rVV	608382	960993	14.35%	1.446%
41	18.068	2560	2564	2569	rVV	805315	1139408	17.01%	1.714%
42	18.151	2573	2578	2582	rVV	240360	369407	5.52%	0.556%
43	18.210	2583	2588	2592	rVV2	696442	1280905	19.13%	1.927%
44	18.251	2592	2595	2602	rVB	445108	598235	8.93%	0.900%
45	18.327	2605	2608	2612	rBV4	49784	73492	1.10%	0.111%
46	18.421	2620	2624	2628	rBV2	50551	75785	1.13%	0.114%
47	18.521	2636	2641	2645	rBV	298399	401007	5.99%	0.603%
48	18.568	2645	2649	2657	rVB2	235703	359664	5.37%	0.541%
49	18.645	2659	2662	2667	rBV	76313	94727	1.41%	0.143%
50	18.768	2679	2683	2688	rVB	167519	203532	3.04%	0.306%
51	18.821	2688	2692	2695	rBV	121410	153841	2.30%	0.231%
52	18.857	2695	2698	2703	rVB	122200	151971	2.27%	0.229%
53	18.939	2707	2712	2716	rBV	388886	606856	9.06%	0.913%
54	19.080	2731	2736	2744	rBV3	216740	472279	7.05%	0.711%
55	19.204	2752	2757	2764	rVB	4044671	4883340	72.92%	7.348%
56	19.304	2771	2774	2780	rBV3	118120	158439	2.37%	0.238%
57	19.445	2795	2798	2802	rBV	126980	158360	2.36%	0.238%
58	19.568	2809	2819	2827	rBV	3487020	5637936	84.19%	8.483%
59	19.645	2828	2832	2838	rVB2	203856	334977	5.00%	0.504%
60	19.768	2848	2853	2857	rVB	1466269	1765681	26.37%	2.657%
61	19.898	2869	2875	2881	rBV4	262502	649516	9.70%	0.977%
62	20.027	2893	2897	2899	rBV4	202316	321166	4.80%	0.483%
63	20.062	2900	2903	2909	rVB	593518	744341	11.12%	1.120%
64	20.162	2916	2920	2924	rBV	387751	463087	6.92%	0.697%
65	20.221	2926	2930	2934	rVV2	374663	516971	7.72%	0.778%
66	20.362	2951	2954	2958	rBV	264192	292796	4.37%	0.441%
67	20.409	2958	2962	2966	rBV	285092	375025	5.60%	0.564%
68	20.815	3029	3031	3039	rVB	273133	362991	5.42%	0.546%
69	21.027	3064	3067	3070	rBV	227467	248320	3.71%	0.374%
70	21.380	3120	3127	3132	rBV2	3068405	6696712	100.00%	10.077%
71	21.427	3132	3135	3147	rVB	1600657	2478372	37.01%	3.729%
72	23.433	3470	3476	3482	rBV	704415	1877188	28.03%	2.825%
73	24.097	3585	3589	3603	rVB	428967	977947	14.60%	1.472%
74	24.233	3606	3612	3623	rVB	640913	1521834	22.73%	2.290%
75	24.374	3629	3636	3644	rVB	1414495	3329611	49.72%	5.010%

Sample Results: **BM050074.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050074.D
Acq On : 01 May 2025 21:18
Operator : RC/JU
Sample : Q1901-03 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-170-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_M\Methods\8270-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 66458533

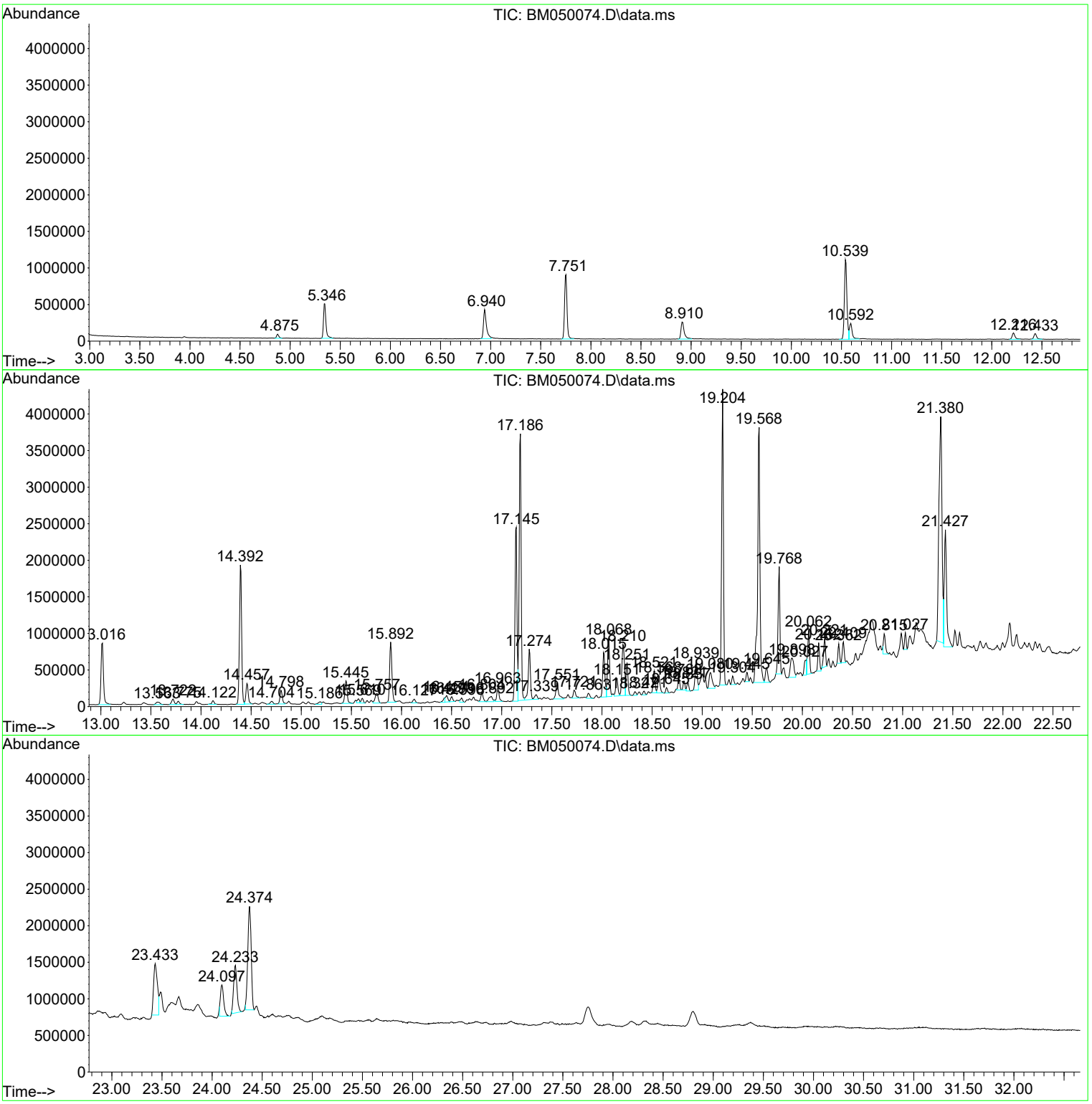
Sample Results: **BM050074.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050074.D
Acq On : 01 May 2025 21:18
Operator : RC/JU
Sample : Q1901-03 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-170-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050074.D
Acq On : 01 May 2025 21:18
Operator : RC/JU
Sample : Q1901-03 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-170-SB01

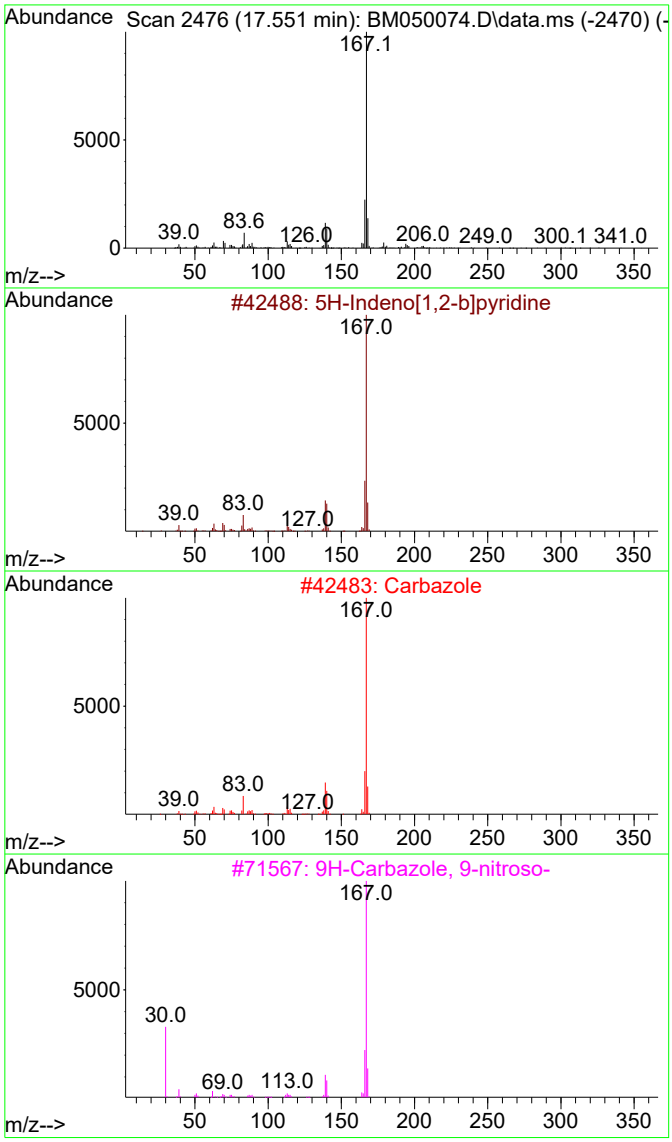
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

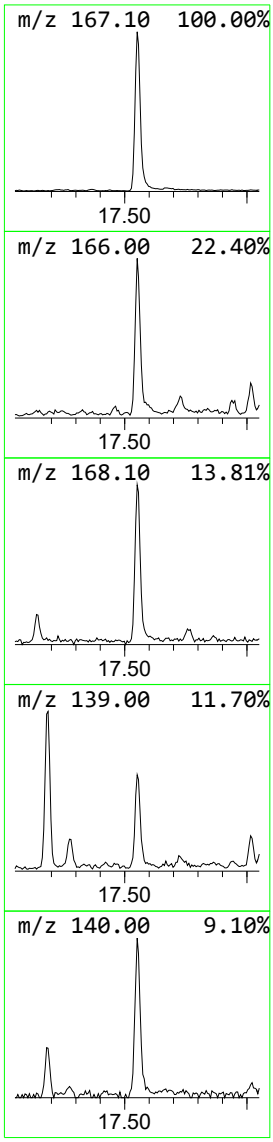
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 5H-Indeno[1,2-b]pyridine Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.551	2.44 ng	418307	Phenanthrene-d10	17.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	95
2	Carbazole	167	C12H9N	000086-74-8	90
3	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	86
4	4H-1,3,2-Dioxaborin, 2-ethyl-4-m...	210	C12H23BO2	074421-10-6	80
5	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050074.D
Acq On : 01 May 2025 21:18
Operator : RC/JU
Sample : Q1901-03 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-170-SB01

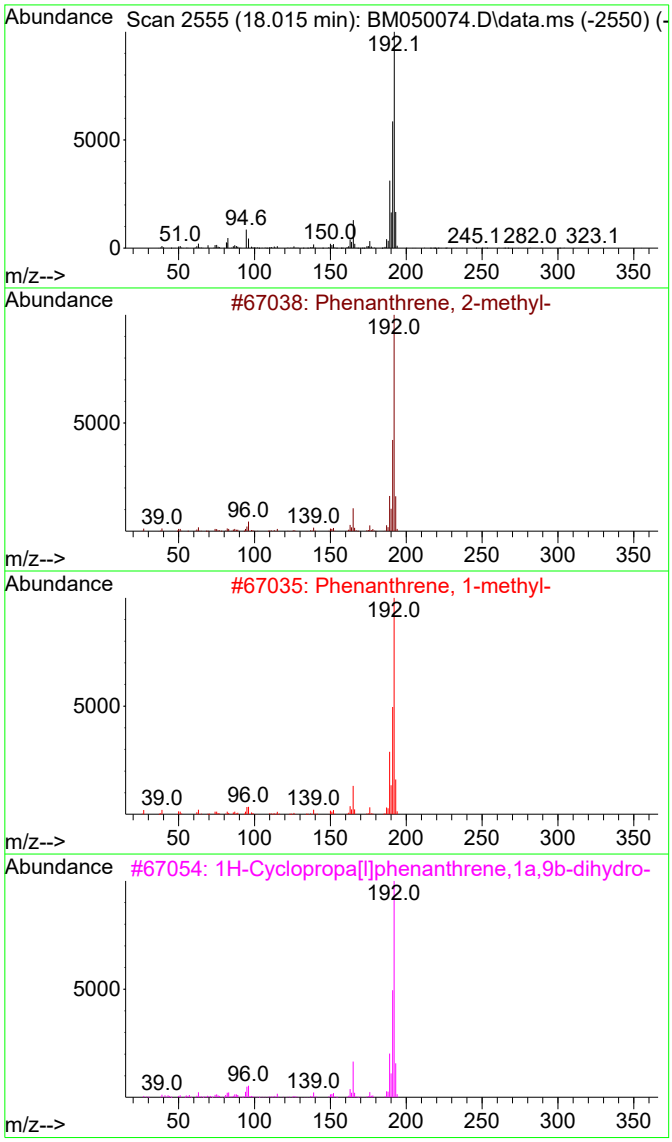
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

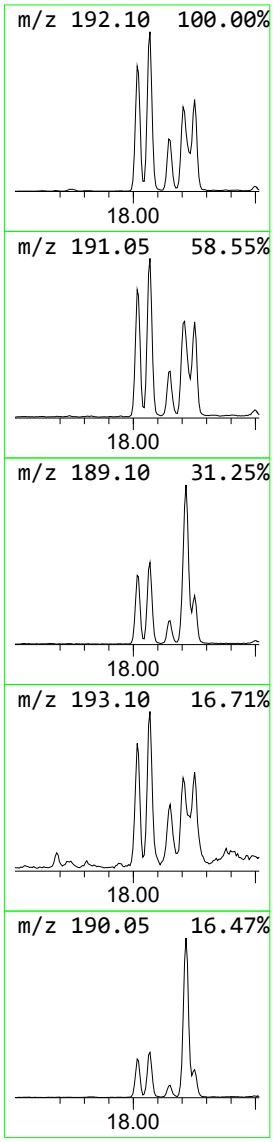
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.015	5.61 ng	960993	Phenanthrene-d10	17.145

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	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050074.D
Acq On : 01 May 2025 21:18
Operator : RC/JU
Sample : Q1901-03 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-170-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

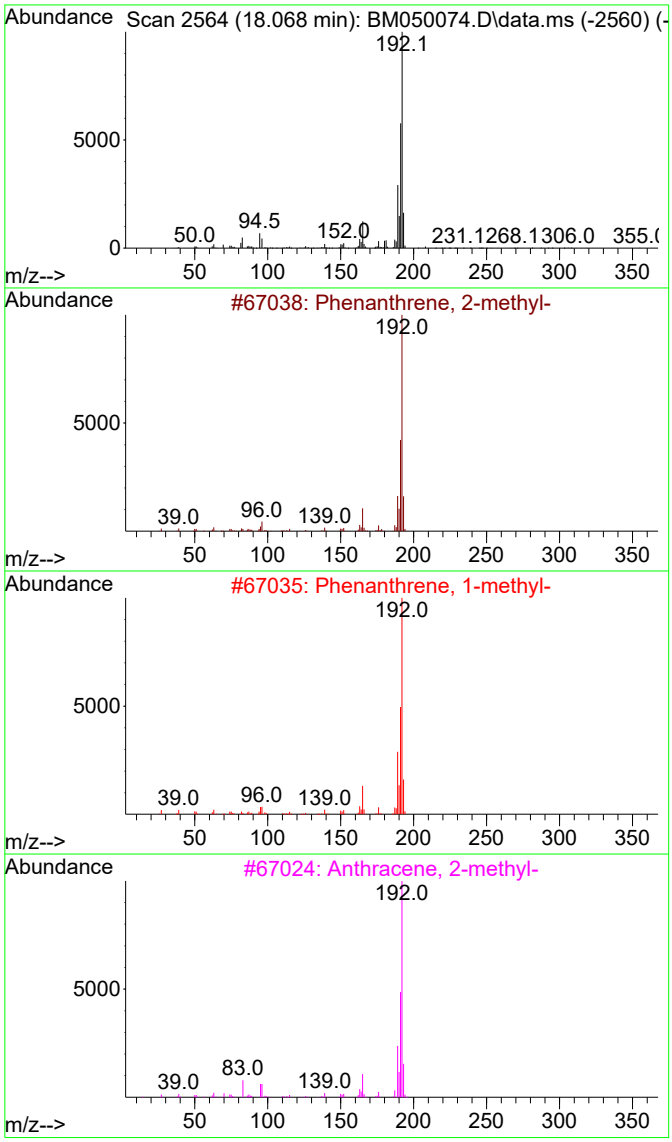
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

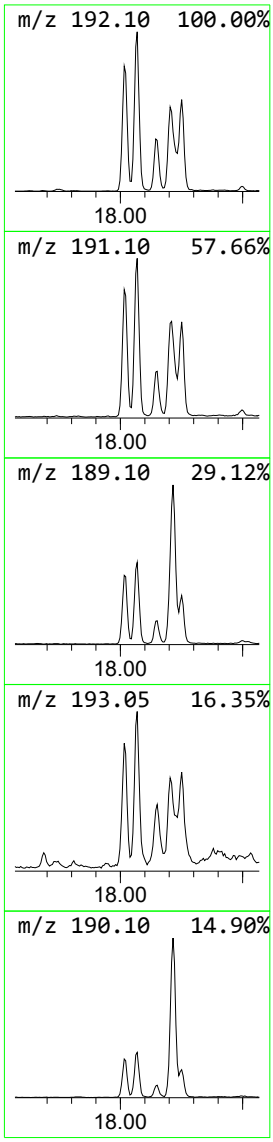
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.068	6.66 ng	1139410	Phenanthrene-d10	17.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050074.D
Acq On : 01 May 2025 21:18
Operator : RC/JU
Sample : Q1901-03 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-170-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

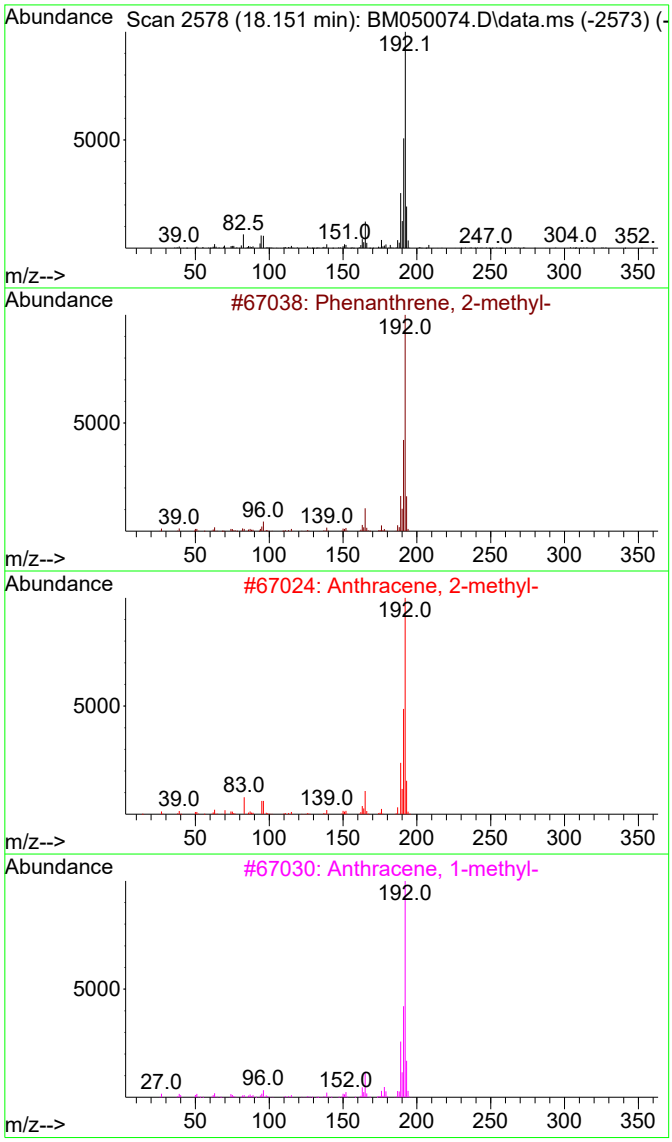
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

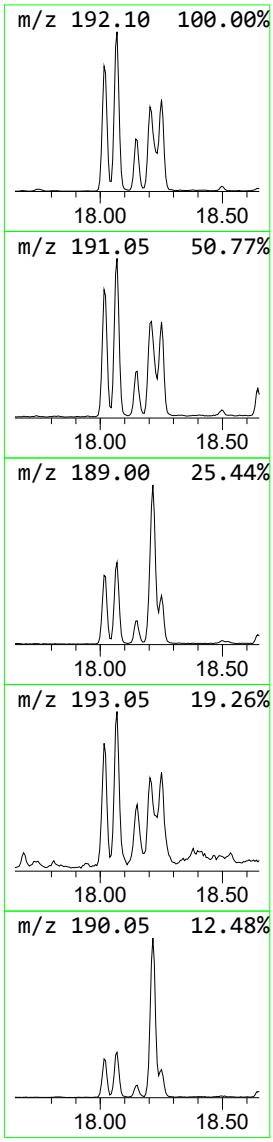
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.151	2.16 ng	369407	Phenanthrene-d10	17.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





Sample Results: **BM050074.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050074.D
Acq On : 01 May 2025 21:18
Operator : RC/JU
Sample : Q1901-03 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-170-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

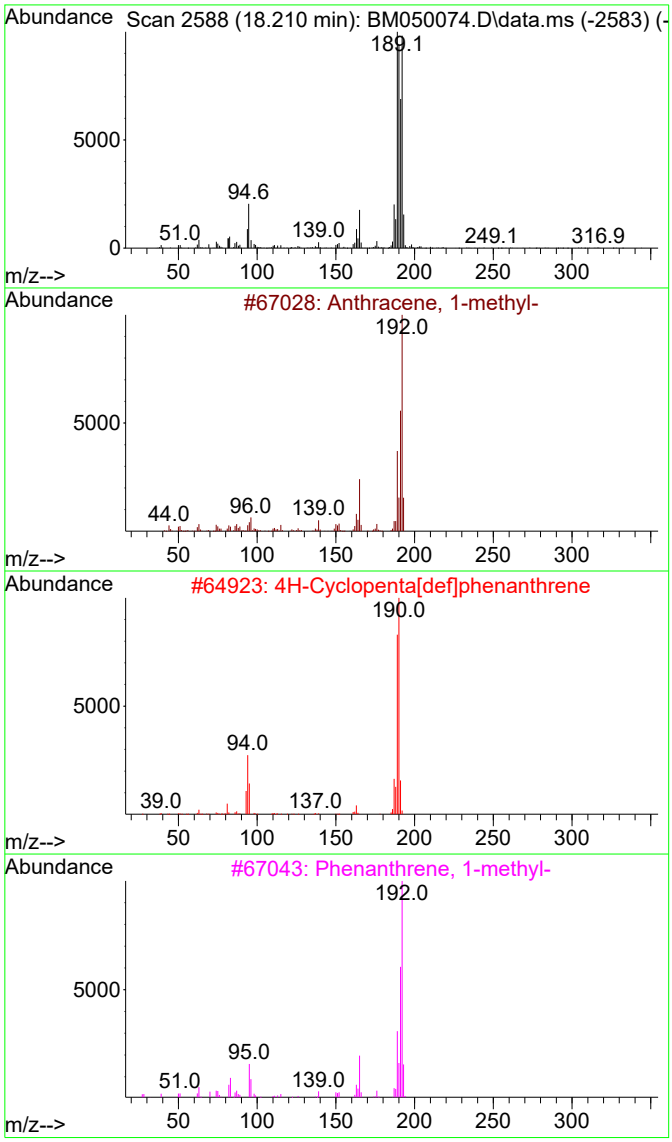
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

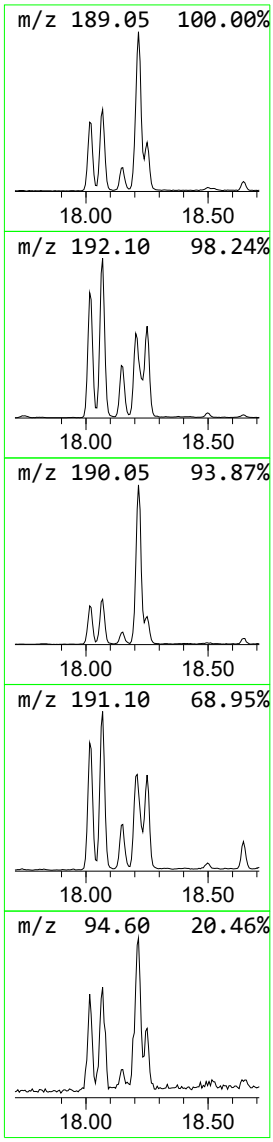
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.210	7.48 ng	1280910	Phenanthrene-d10	17.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	55
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050074.D
Acq On : 01 May 2025 21:18
Operator : RC/JU
Sample : Q1901-03 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-170-SB01

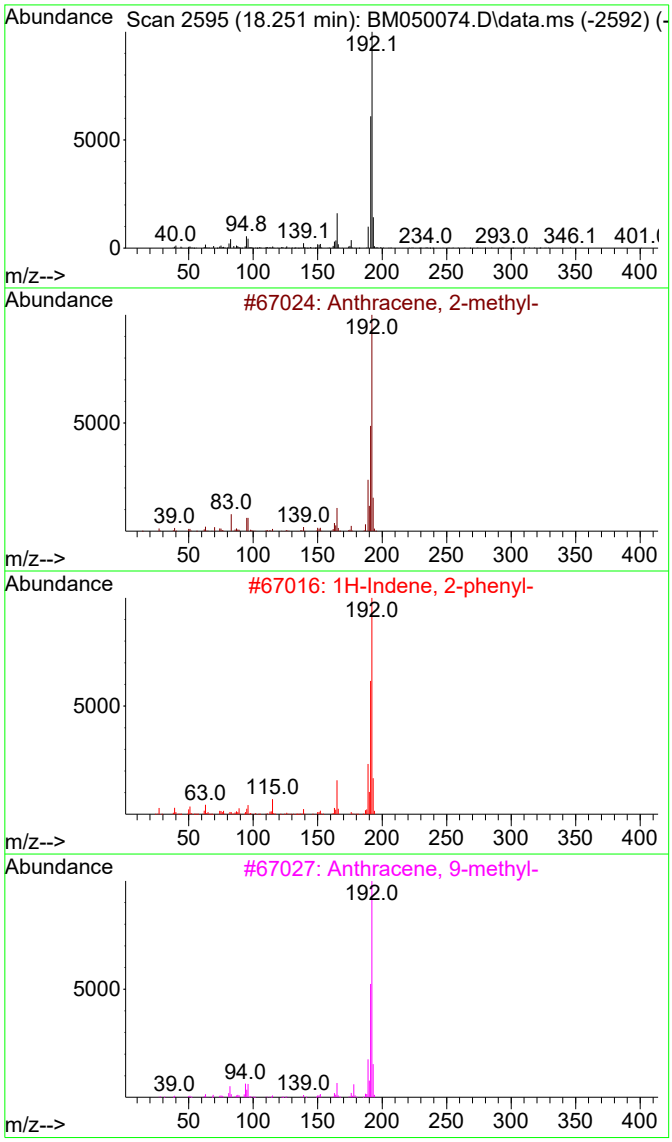
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

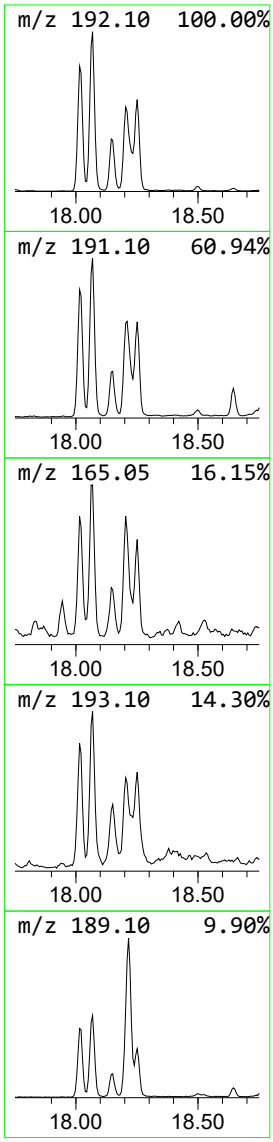
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1H-Indene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.251	3.49 ng	598235	Phenanthrene-d10	17.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050074.D
Acq On : 01 May 2025 21:18
Operator : RC/JU
Sample : Q1901-03 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-170-SB01

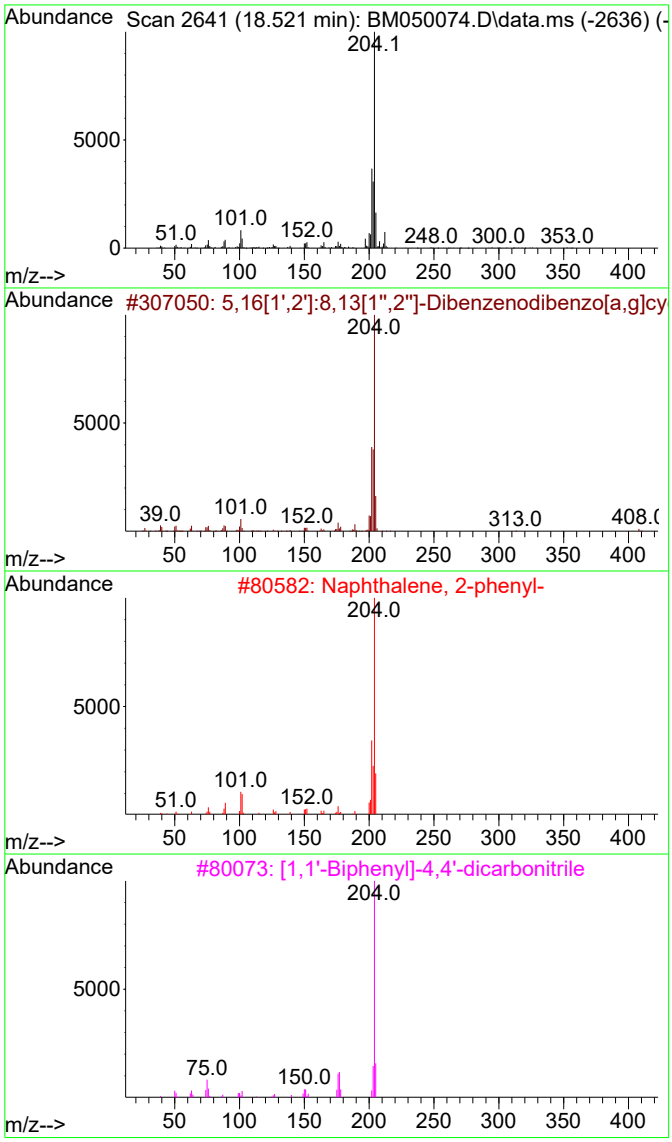
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

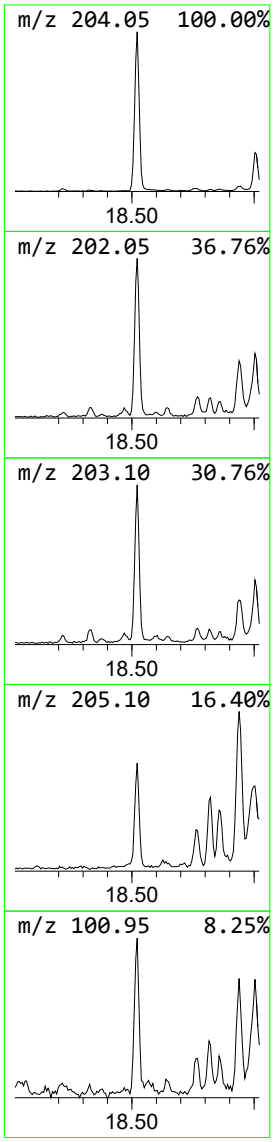
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.521	2.34 ng	401007	Phenanthrene-d10	17.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	52
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050074.D
Acq On : 01 May 2025 21:18
Operator : RC/JU
Sample : Q1901-03 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-170-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

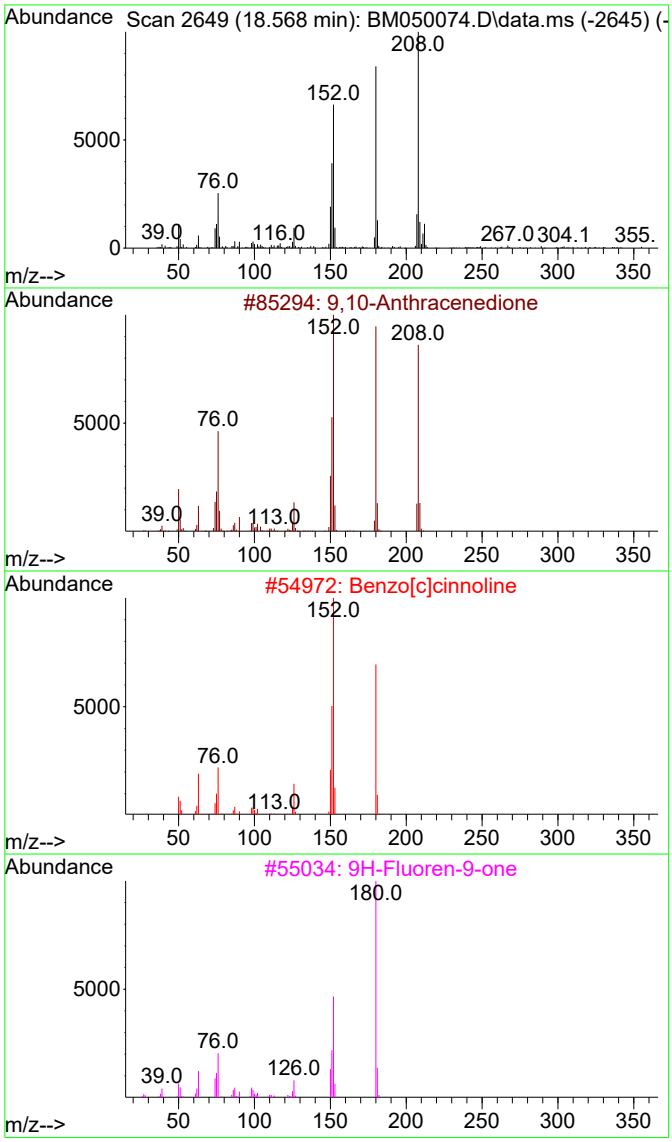
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

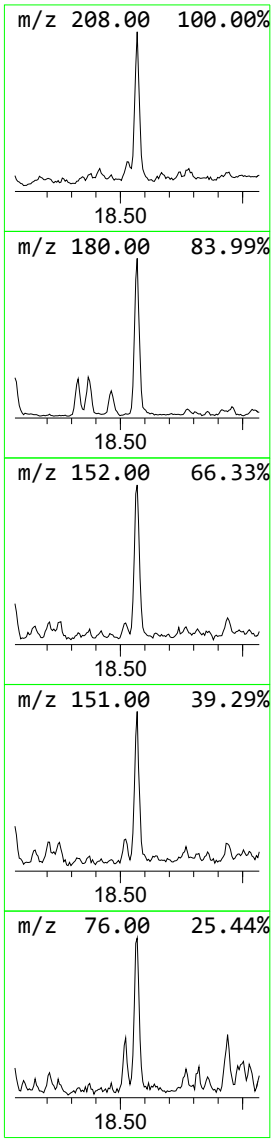
****

Peak Number 9 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.568	2.10 ng	359664	Phenanthrene-d10	17.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	52
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	50
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050074.D
Acq On : 01 May 2025 21:18
Operator : RC/JU
Sample : Q1901-03 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-170-SB01

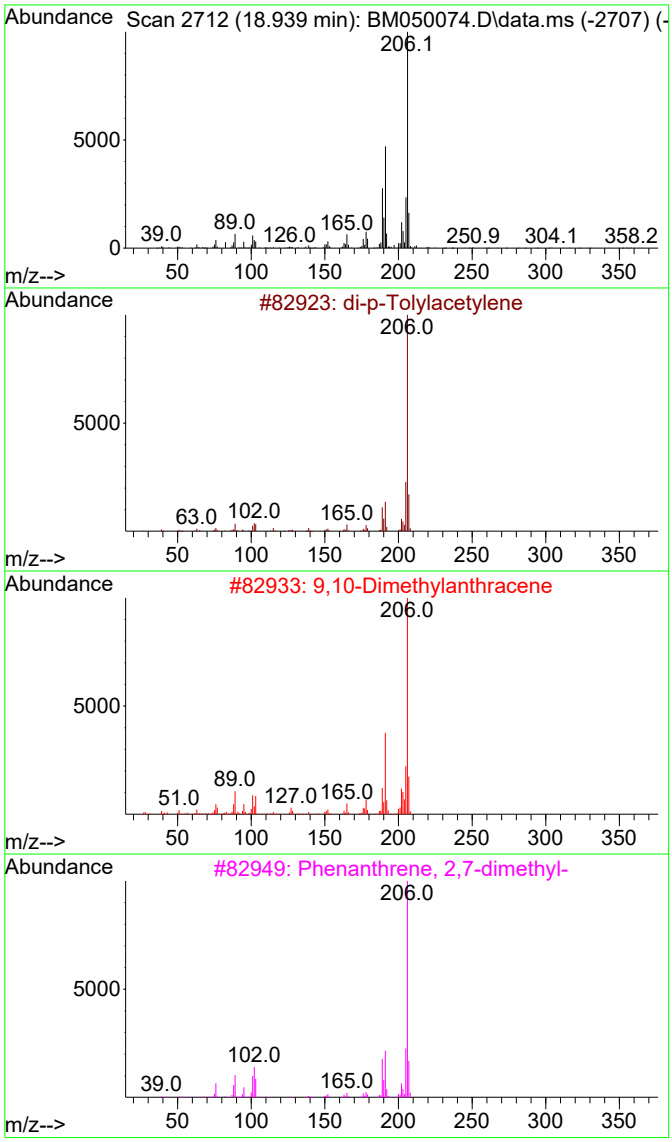
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

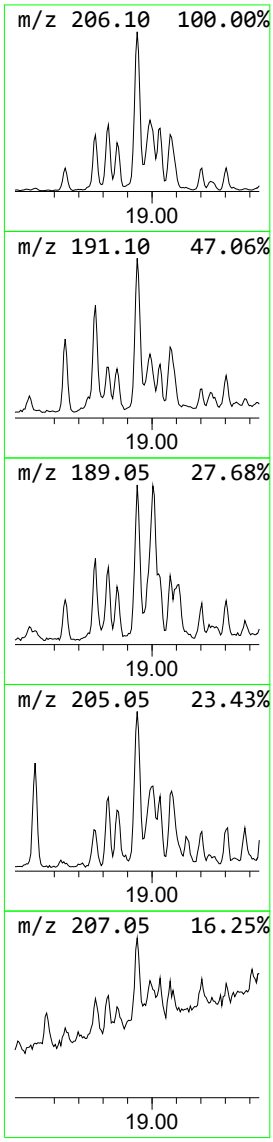
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 di-p-Tolylacetylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.939	3.55 ng	606856	Phenanthrene-d10	17.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050074.D
Acq On : 01 May 2025 21:18
Operator : RC/JU
Sample : Q1901-03 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-170-SB01

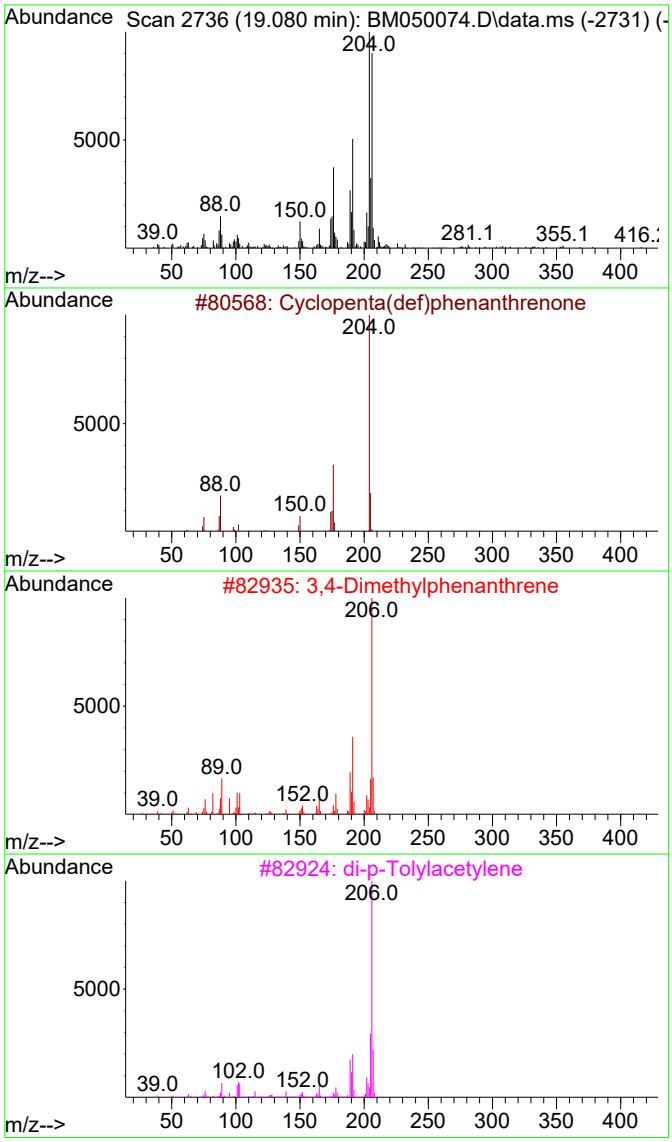
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

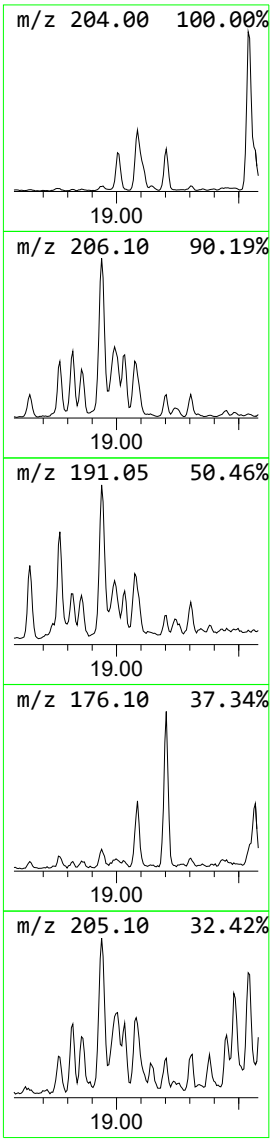
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.080	2.76 ng	472279	Phenanthrene-d10	17.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	78
2	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	46
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	46
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	46
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050074.D
Acq On : 01 May 2025 21:18
Operator : RC/JU
Sample : Q1901-03 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-170-SB01

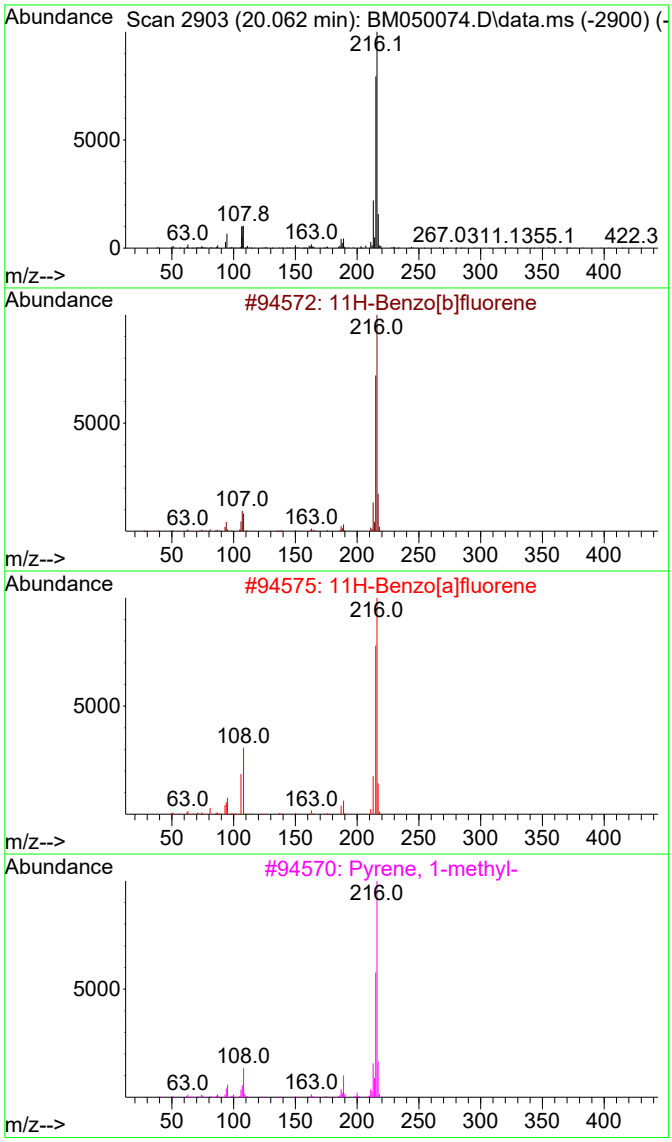
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

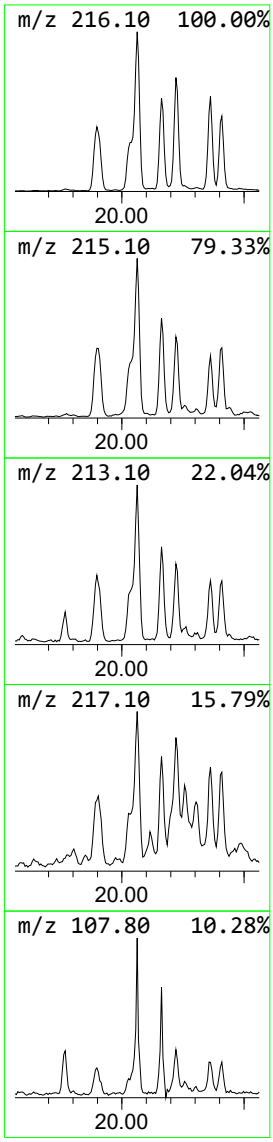
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.062	2.22 ng	744341	Chrysene-d12	21.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050074.D
Acq On : 01 May 2025 21:18
Operator : RC/JU
Sample : Q1901-03 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-170-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

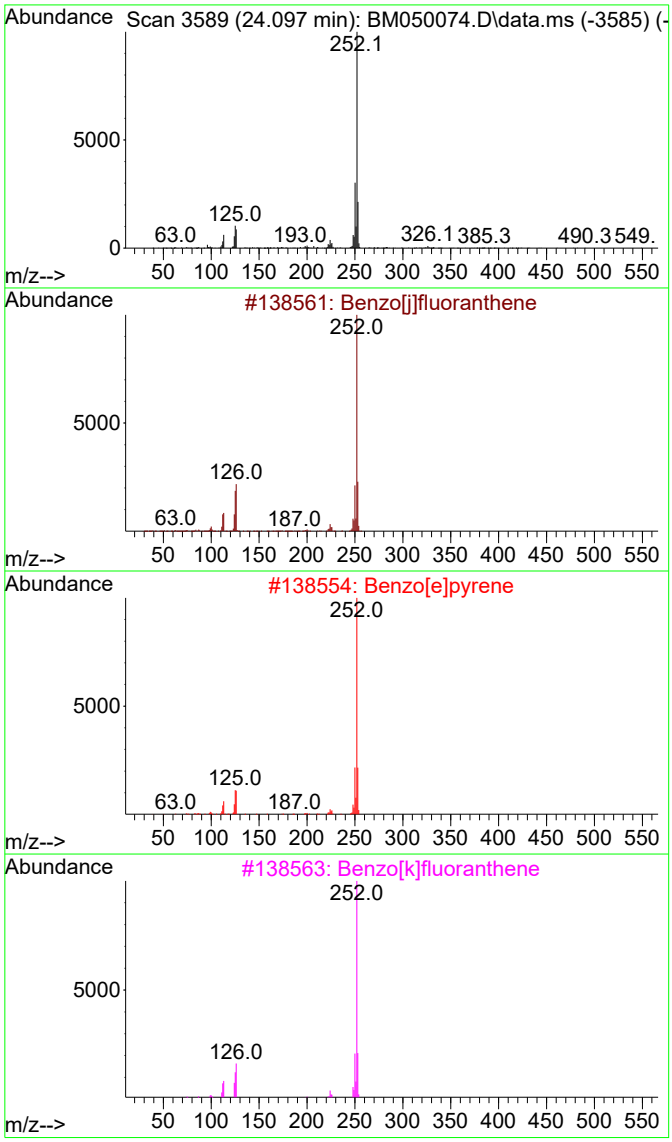
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

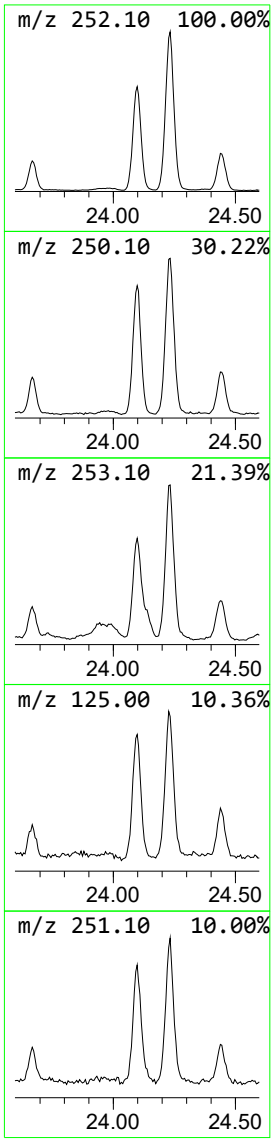
****

Peak Number 13 Benzo[j]fluoranthene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.097	5.87 ng	977947	Perylene-d12	24.374

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[j]fluoranthene	252	C20H12	000205-82-3	96
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	91





Sample Results: **BM050074.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050074.D
Acq On : 01 May 2025 21:18
Operator : RC/JU
Sample : Q1901-03 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-170-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.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
5H-Indeno[1,2-b...	17.551	2.4	ng	418307	4	17.145	3423430	20.0
Phenanthrene, 2...	18.015	5.6	ng	960993	4	17.145	3423430	20.0
Phenanthrene, 1...	18.068	6.7	ng	1139410	4	17.145	3423430	20.0
Anthracene, 2-m...	18.151	2.2	ng	369407	4	17.145	3423430	20.0
Anthracene, 1-m...	18.210	7.5	ng	1280910	4	17.145	3423430	20.0
1H-Indene, 2-ph...	18.251	3.5	ng	598235	4	17.145	3423430	20.0
5,16[1',2']:8,1...	18.521	2.3	ng	401007	4	17.145	3423430	20.0
9,10-Anthracene...	18.568	2.1	ng	359664	4	17.145	3423430	20.0
di-p-Tolylacety...	18.939	3.5	ng	606856	4	17.145	3423430	20.0
Cyclopenta(def)...	19.080	2.8	ng	472279	4	17.145	3423430	20.0
11H-Benzo[b]flu...	20.062	2.2	ng	744341	5	21.380	6696710	20.0
Benzo[j]fluoran...	24.097	5.9	ng	977947	6	24.374	3329610	20.0

Raw Data: **BF142271.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:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB02	SDG No.:	Q1901
Lab Sample ID:	Q1901-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	53.2
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
BF142271.D	1	04/29/25 09:30	05/01/25 20:20	PB167779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	290	U	290	620	ug/Kg
108-95-2	Phenol	41.4	U	41.4	320	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	45.6	U	45.6	320	ug/Kg
95-57-8	2-Chlorophenol	45.8	U	45.8	320	ug/Kg
95-48-7	2-Methylphenol	56.1	U	56.1	320	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	70.3	U	70.3	320	ug/Kg
98-86-2	Acetophenone	55.3	U	55.3	320	ug/Kg
65794-96-9	3+4-Methylphenols	77.1	U	77.1	620	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	88.9	U	88.9	150	ug/Kg
67-72-1	Hexachloroethane	33.0	U	33.0	320	ug/Kg
98-95-3	Nitrobenzene	34.3	U	34.3	320	ug/Kg
78-59-1	Isophorone	61.5	U	61.5	320	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	320	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	320	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	57.8	U	57.8	320	ug/Kg
120-83-2	2,4-Dichlorophenol	53.1	U	53.1	320	ug/Kg
91-20-3	Naphthalene	42.6	U	42.6	320	ug/Kg
106-47-8	4-Chloroaniline	66.4	UQ	66.4	320	ug/Kg
87-68-3	Hexachlorobutadiene	47.4	U	47.4	320	ug/Kg
105-60-2	Caprolactam	97.7	U	97.7	620	ug/Kg
59-50-7	4-Chloro-3-methylphenol	53.8	U	53.8	320	ug/Kg
91-57-6	2-Methylnaphthalene	48.0	U	48.0	320	ug/Kg
77-47-4	Hexachlorocyclopentadiene	220	U	220	620	ug/Kg
88-06-2	2,4,6-Trichlorophenol	37.1	U	37.1	320	ug/Kg
95-95-4	2,4,5-Trichlorophenol	54.6	U	54.6	320	ug/Kg
92-52-4	1,1-Biphenyl	40.9	U	40.9	320	ug/Kg
91-58-7	2-Chloronaphthalene	42.2	U	42.2	320	ug/Kg
88-74-4	2-Nitroaniline	90.2	U	90.2	320	ug/Kg
131-11-3	Dimethylphthalate	50.8	U	50.8	320	ug/Kg

Raw Data: **BF142271.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:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB02	SDG No.:	Q1901
Lab Sample ID:	Q1901-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	53.2
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
BF142271.D	1	04/29/25 09:30	05/01/25 20:20	PB167779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	54.2	U	54.2	320	ug/Kg
606-20-2	2,6-Dinitrotoluene	63.0	U	63.0	320	ug/Kg
99-09-2	3-Nitroaniline	86.3	UQ	86.3	320	ug/Kg
83-32-9	Acenaphthene	39.9	U	39.9	320	ug/Kg
51-28-5	2,4-Dinitrophenol	430	U	430	620	ug/Kg
100-02-7	4-Nitrophenol	200	U	200	620	ug/Kg
132-64-9	Dibenzofuran	42.6	U	42.6	320	ug/Kg
121-14-2	2,4-Dinitrotoluene	94.0	U	94.0	320	ug/Kg
84-66-2	Diethylphthalate	53.1	U	53.1	320	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	50.1	U	50.1	320	ug/Kg
86-73-7	Fluorene	47.4	U	47.4	320	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	320	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	190	U	190	620	ug/Kg
86-30-6	n-Nitrosodiphenylamine	61.7	U	61.7	320	ug/Kg
101-55-3	4-Bromophenyl-phenylether	52.1	U	52.1	320	ug/Kg
118-74-1	Hexachlorobenzene	47.4	U	47.4	320	ug/Kg
1912-24-9	Atrazine	63.8	U	63.8	320	ug/Kg
87-86-5	Pentachlorophenol	96.2	U	96.2	620	ug/Kg
85-01-8	Phenanthrene	39.2	U	39.2	320	ug/Kg
120-12-7	Anthracene	62.4	U	62.4	320	ug/Kg
86-74-8	Carbazole	58.5	U	58.5	320	ug/Kg
84-74-2	Di-n-butylphthalate	89.8	U	89.8	320	ug/Kg
206-44-0	Fluoranthene	56.3	U	56.3	320	ug/Kg
129-00-0	Pyrene	67.5	U	67.5	320	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	320	ug/Kg
91-94-1	3,3-Dichlorobenzidine	68.8	UQ	68.8	620	ug/Kg
56-55-3	Benzo(a)anthracene	43.1	U	43.1	320	ug/Kg
218-01-9	Chrysene	37.3	U	37.3	320	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	320	ug/Kg
117-84-0	Di-n-octyl phthalate	160	U	160	620	ug/Kg
205-99-2	Benzo(b)fluoranthene	35.6	U	35.6	320	ug/Kg

Raw Data: **BF142271.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:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB02	SDG No.:	Q1901
Lab Sample ID:	Q1901-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	53.2
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
BF142271.D	1	04/29/25 09:30	05/01/25 20:20	PB167779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	42.0	U	42.0	320	ug/Kg
50-32-8	Benzo(a)pyrene	55.3	U	55.3	320	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	54.6	U	54.6	320	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	51.4	U	51.4	320	ug/Kg
191-24-2	Benzo(g,h,i)perylene	48.2	U	48.2	320	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	48.0	U	48.0	320	ug/Kg
123-91-1	1,4-Dioxane	84.8	U	84.8	320	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	51.4	U	51.4	320	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	119		30 (18) - 130 (112)	79%	SPK: 150
13127-88-3	Phenol-d6	120		30 (15) - 130 (107)	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.3		30 (18) - 130 (107)	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.5		30 (20) - 130 (109)	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	122		30 (10) - 130 (116)	81%	SPK: 150
1718-51-0	Terphenyl-d14	49.8		30 (10) - 130 (105)	50%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	201000	6.904			
1146-65-2	Naphthalene-d8	749000	8.187			
15067-26-2	Acenaphthene-d10	359000	9.939			
1517-22-2	Phenanthrene-d10	508000	11.427			
1719-03-5	Chrysene-d12	449000	14.069			
1520-96-3	Perylene-d12	456000	15.557			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	730	AB		5.13	ug/Kg
013798-23-7	Hexathiane	290	J		10.2	ug/Kg
000119-61-9	Benzophenone	480	J		10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	690	J		12.0	ug/Kg
000057-11-4	Octadecanoic acid	210	J		12.7	ug/Kg
	unknown13.804	490	J		13.8	ug/Kg
015594-90-8	1-Heneicosanol	770	J		13.9	ug/Kg

Raw Data: **BF142271.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB02	SDG No.:	Q1901
Lab Sample ID:	Q1901-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	53.2
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
BF142271.D	1	04/29/25 09:30	05/01/25 20:20	PB167779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
1000382-54-3	Carbonic acid, eicosyl vinyl ester	330	J		14.5	ug/Kg
000630-01-3	Hexacosane	250	J		15.2	ug/Kg
000661-19-8	Behenic alcohol	140	J		16.1	ug/Kg
	unknown16.945	160	J		16.9	ug/Kg
000083-48-7	Stigmasterol	350	J		17.3	ug/Kg
000083-46-5	.beta.-Sitosterol	240	J		17.7	ug/Kg
058801-23-3	Hop-22(29)-en-3.beta.-ol	400	J		18.5	ug/Kg

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142271.D
Acq On : 01 May 2025 20:20
Operator : RC/JU
Sample : Q1901-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

Quant Time: May 02 01:09:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

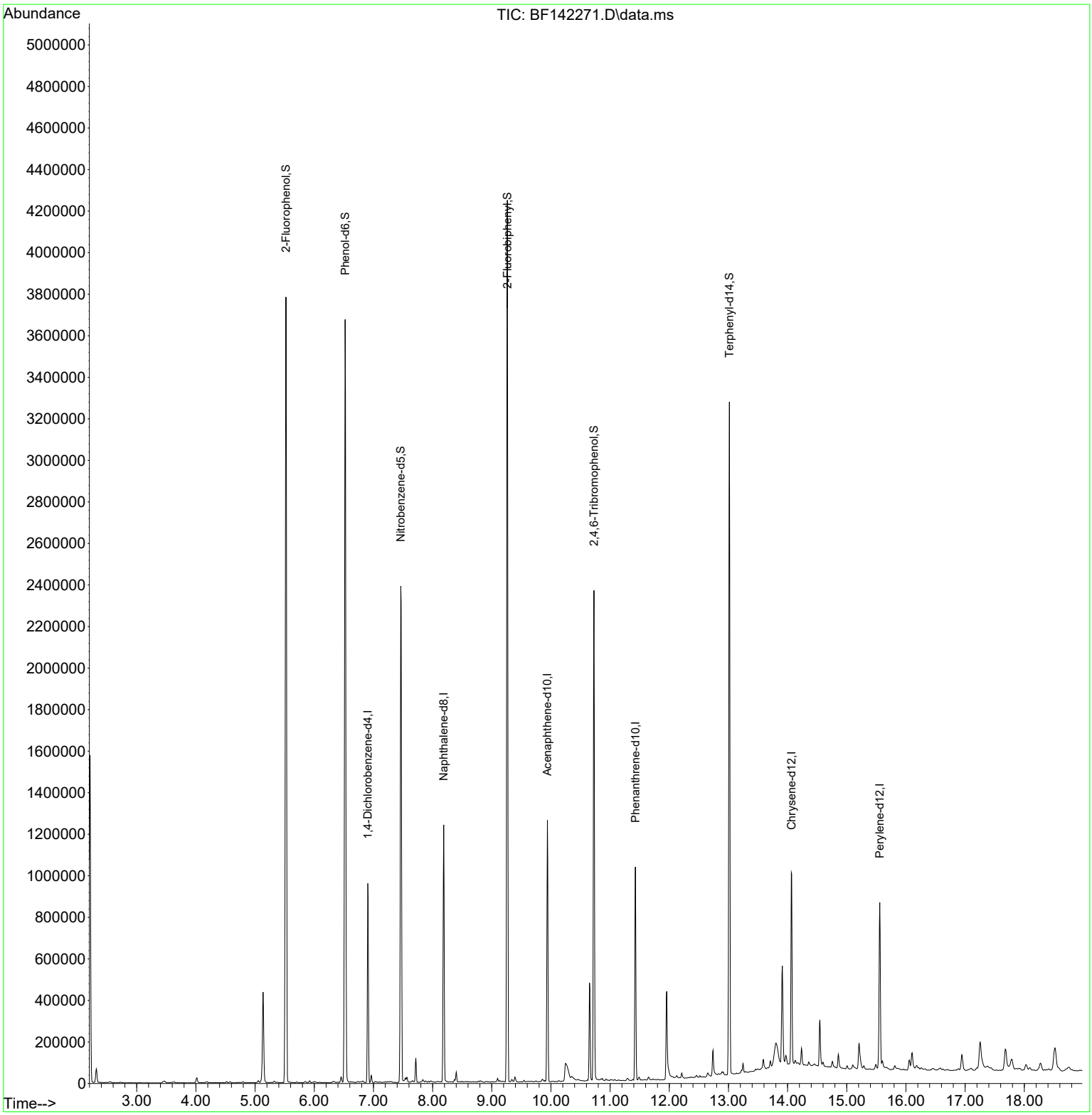
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	201306	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	748548	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	358843	20.000	ng	-0.01
64) Phenanthrene-d10	11.427	188	508457	20.000	ng	0.00
76) Chrysene-d12	14.069	240	449365	20.000	ng	0.00
86) Perylene-d12	15.557	264	455676	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1499481	118.961	ng	0.00
7) Phenol-d6	6.522	99	1822753	119.751	ng	0.00
23) Nitrobenzene-d5	7.463	82	1039957	91.273	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	399389	122.087	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1870790	73.507	ng	0.00
79) Terphenyl-d14	13.016	244	1540049	49.845	ng	0.00
Target Compounds						Qvalue

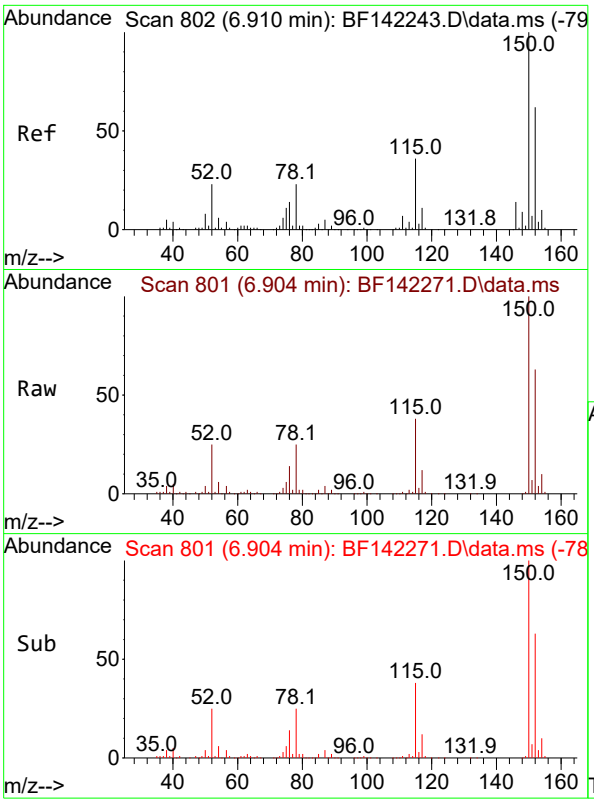
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142271.D
Acq On : 01 May 2025 20:20
Operator : RC/JU
Sample : Q1901-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

Quant Time: May 02 01:09:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration



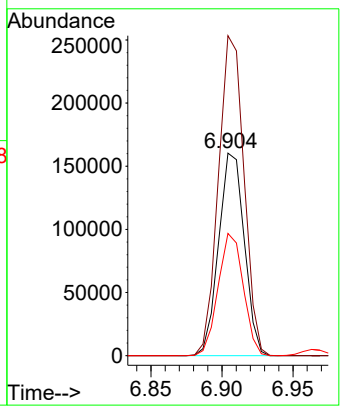


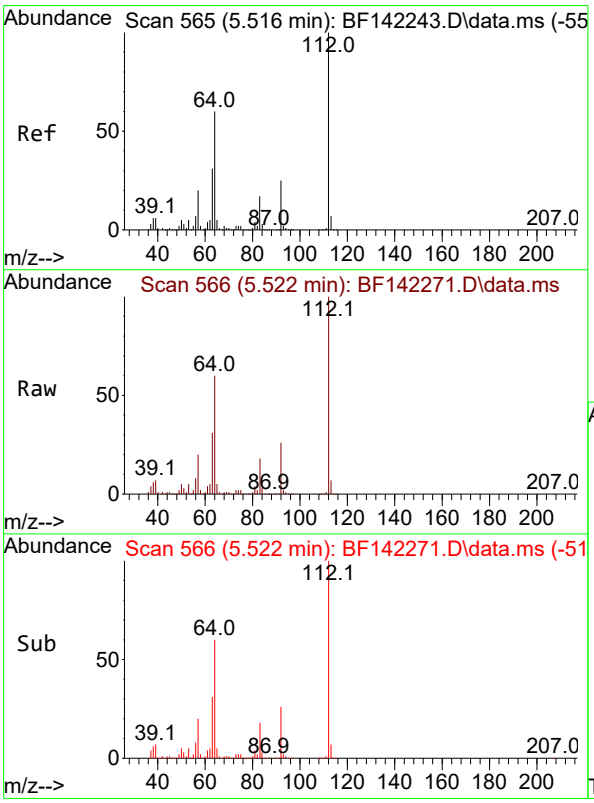
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

Tgt Ion:152 Resp: 201306

Ion	Ratio	Lower	Upper
152	100		
150	158.0	130.2	195.2
115	60.3	47.0	70.4

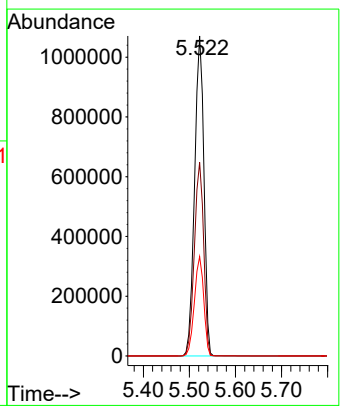


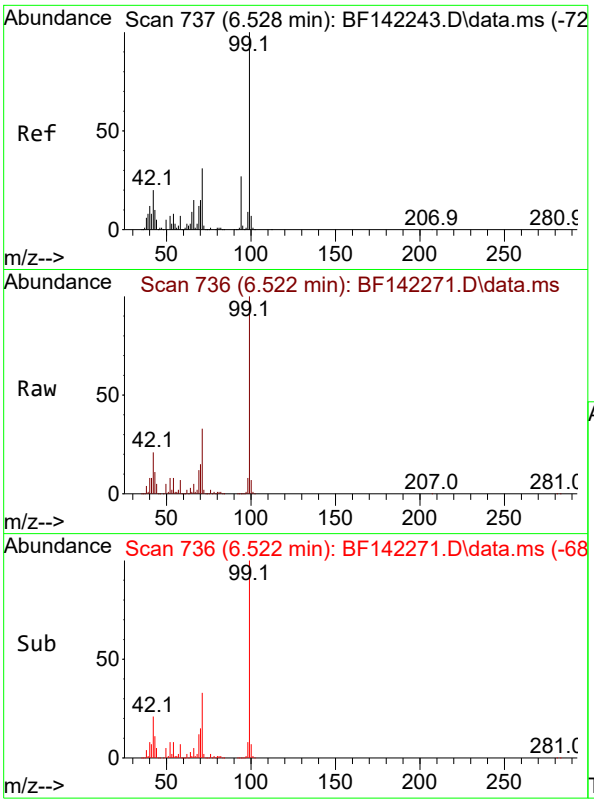


#5
2-Fluorophenol
Concen: 118.961 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.006 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

Tgt Ion:112 Resp: 1499481

Ion	Ratio	Lower	Upper
112	100		
64	60.5	48.4	72.6
63	31.0	24.8	37.2



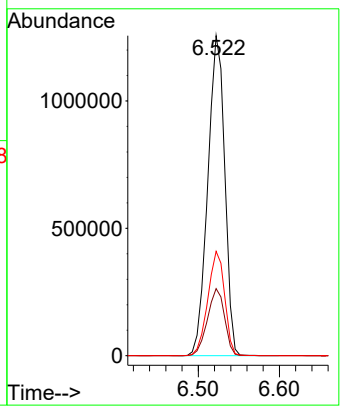


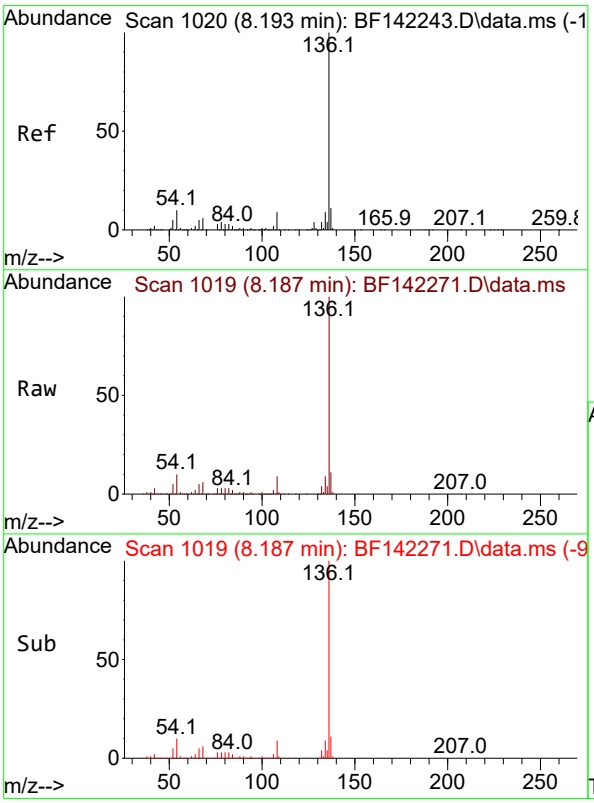
#7
Phenol-d6
Concen: 119.751 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

Tgt Ion: 99 Resp: 1822753

Ion	Ratio	Lower	Upper
99	100		
42	21.0	16.3	24.5
71	32.6	25.0	37.4

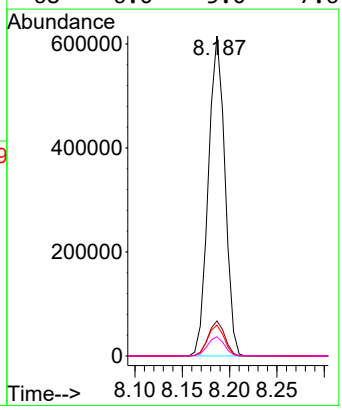


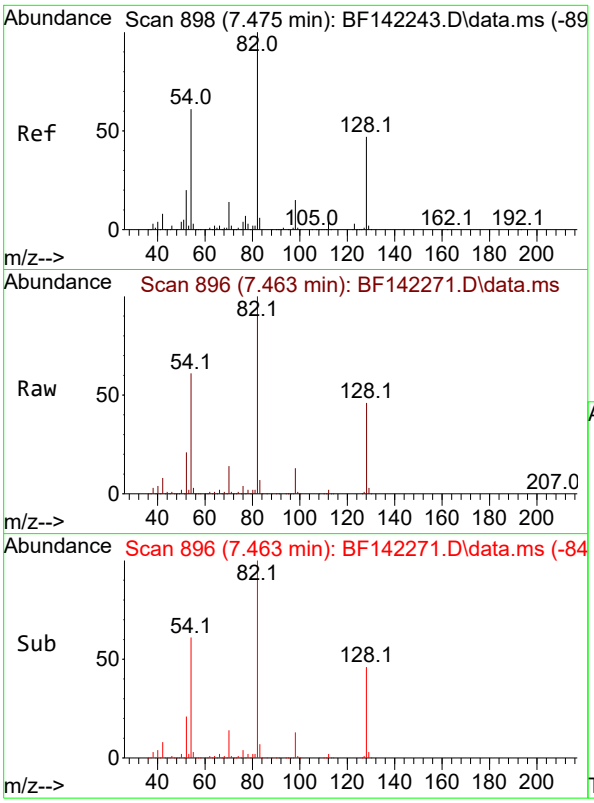


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

Tgt Ion:136 Resp: 748548

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	9.6	7.7	11.5
68	6.0	5.0	7.6



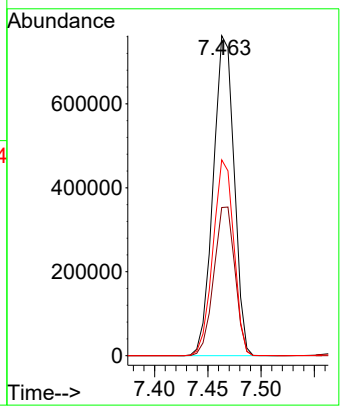


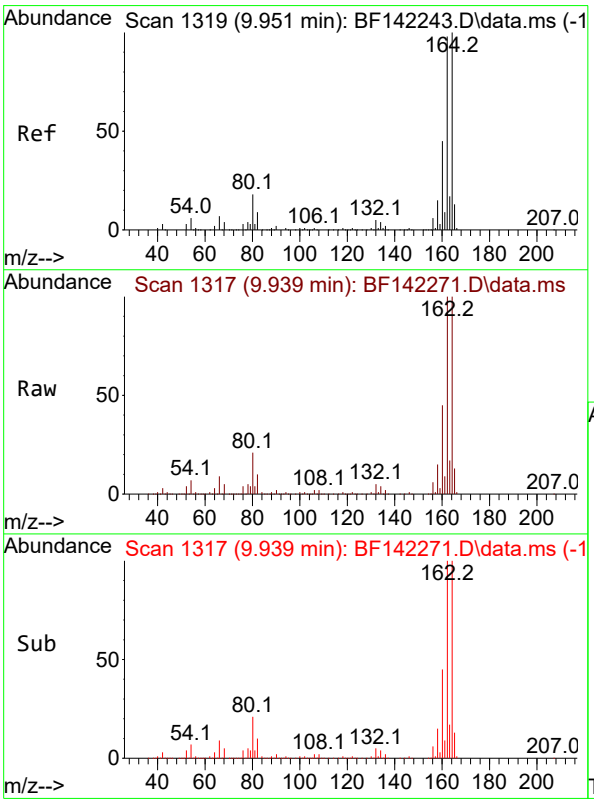
#23
Nitrobenzene-d5
Concen: 91.273 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

Tgt Ion: 82 Resp: 1039957

Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.0	55.6
54	61.2	48.0	72.0

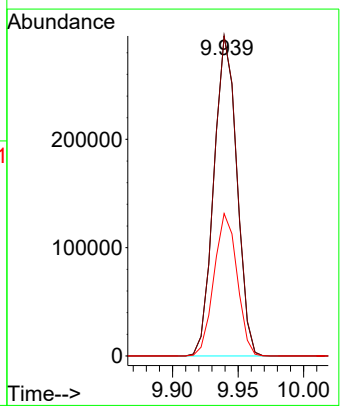


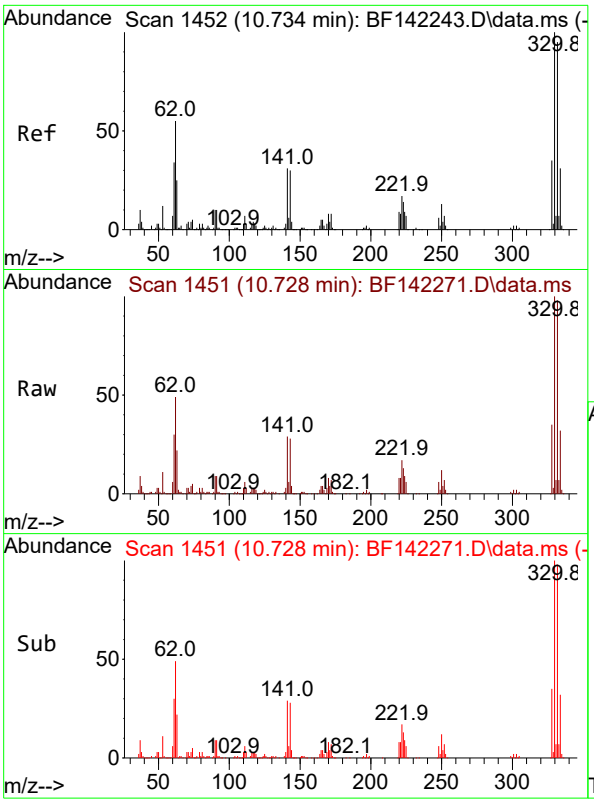


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.012 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

Tgt Ion:164 Resp: 358843

Ion	Ratio	Lower	Upper
164	100		
162	99.9	78.6	117.8
160	44.5	35.7	53.5



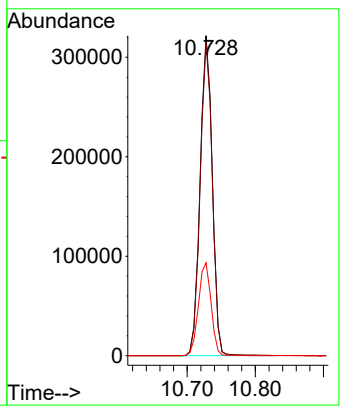


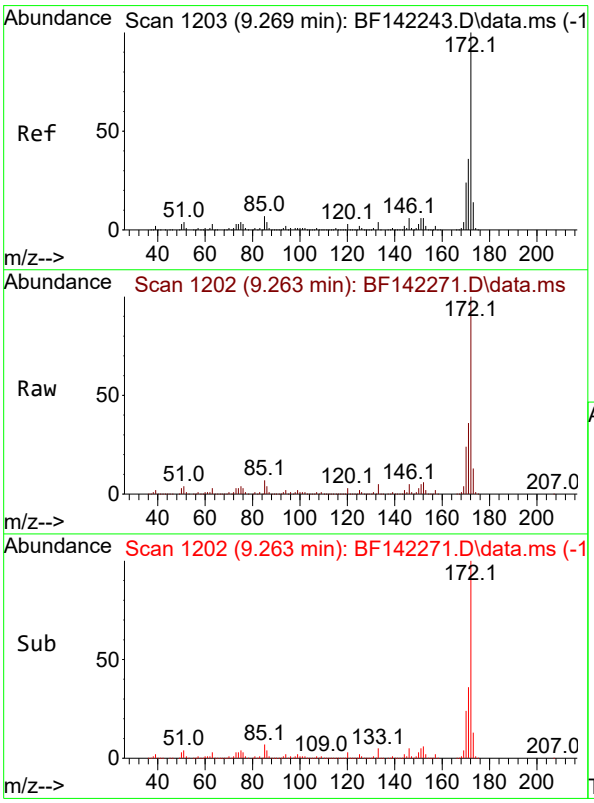
#42
2,4,6-Tribromophenol
Concen: 122.087 ng
RT: 10.728 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

Tgt Ion:330 Resp: 399389

Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.5	114.7
141	30.0	24.3	36.5

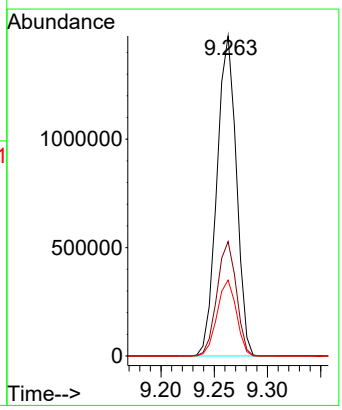


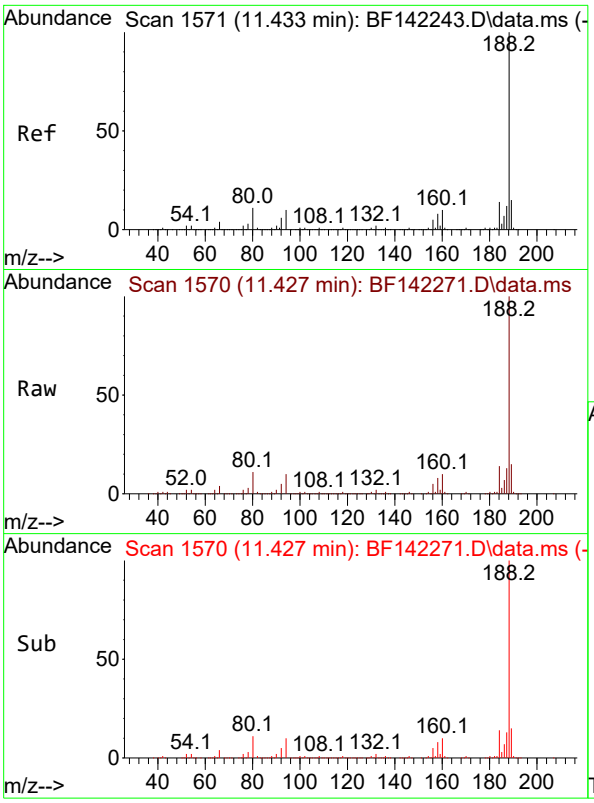


#45
2-Fluorobiphenyl
Concen: 73.507 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

Tgt Ion:172 Resp: 1870790

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.0	43.4
170	23.7	19.4	29.0



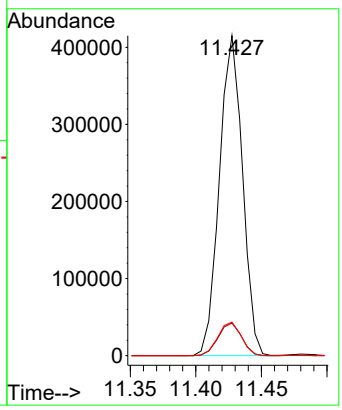


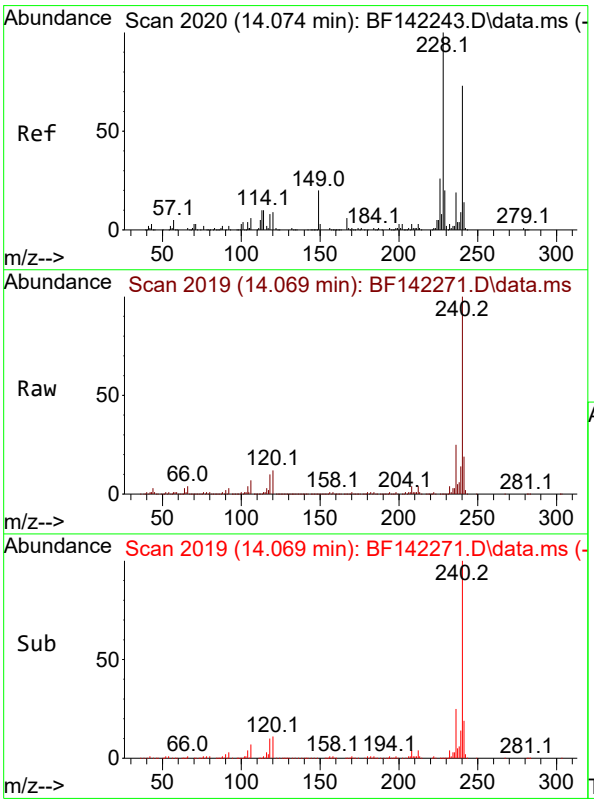
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

Tgt Ion:188 Resp: 508457

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.2	12.2
80	10.5	8.6	12.8

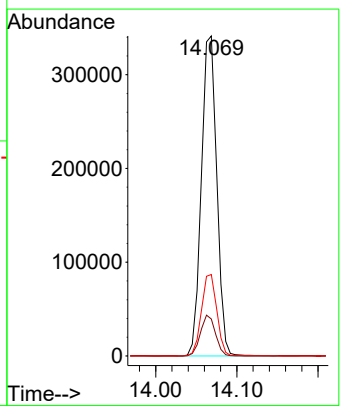


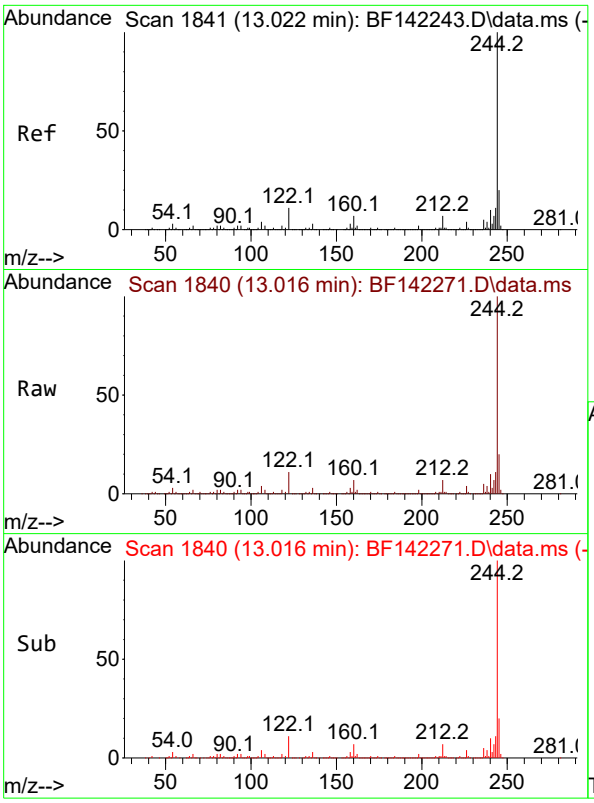


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

Tgt Ion:240 Resp: 449365

Ion	Ratio	Lower	Upper
240	100		
120	11.6	10.1	15.1
236	25.5	20.5	30.7



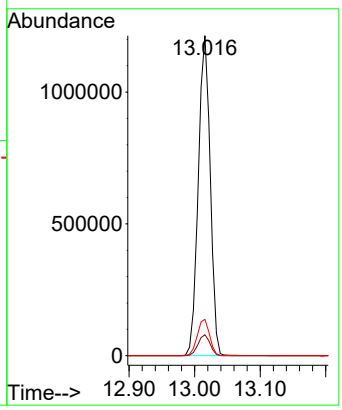


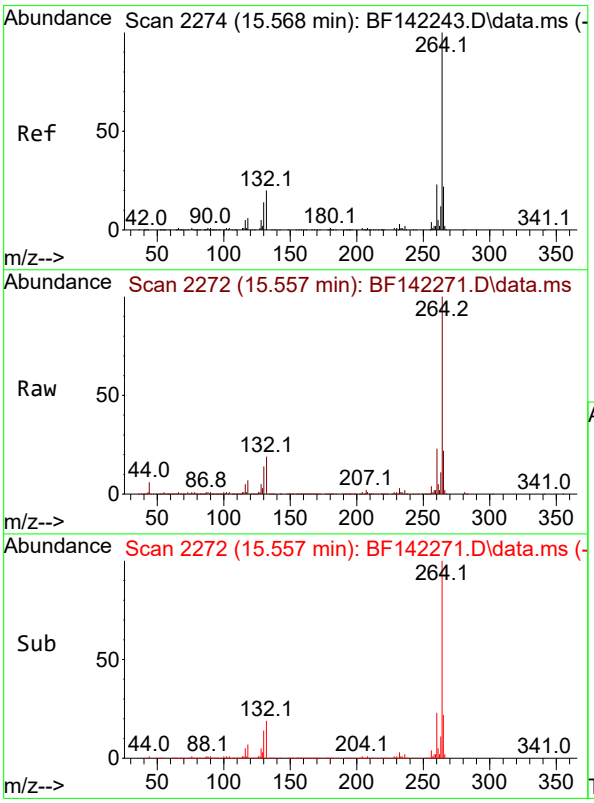
#79
Terphenyl-d14
Concen: 49.845 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

Tgt Ion:244 Resp: 1540049

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	11.3	9.1	13.7

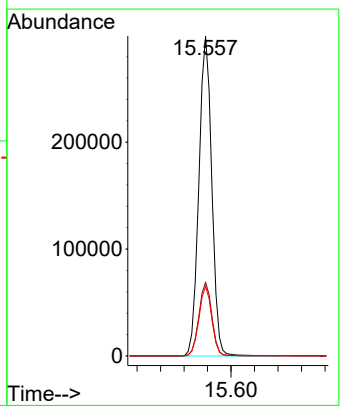




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

Tgt Ion:264 Resp: 455676

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.4	27.6
265	21.7	17.3	25.9



Sample Results: **BF142271.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142271.D
Acq On : 01 May 2025 20:20
Operator : RC/JU
Sample : Q1901-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-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-BF043025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142271.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.316	15	21	28	rVB2	65584	106918	1.98%	0.262%
2	5.134	490	500	510	rVB	435020	695468	12.88%	1.706%
3	5.522	559	566	571	rBV	3782260	5300428	98.15%	13.001%
4	6.522	729	736	748	rBV	3671180	5400288	100.00%	13.246%
5	6.904	796	801	806	rVV	958484	1188058	22.00%	2.914%
6	7.463	890	896	902	rBV	2389646	3284497	60.82%	8.056%
7	7.716	934	939	944	rVB	116617	138007	2.56%	0.338%
8	8.187	1013	1019	1024	rBV	1237651	1515518	28.06%	3.717%
9	8.398	1052	1055	1060	rVB	46985	55611	1.03%	0.136%
10	9.263	1196	1202	1207	rBV	4244552	5389146	99.79%	13.218%
11	9.939	1312	1317	1322	rVB	1257347	1533208	28.39%	3.761%
12	10.245	1363	1369	1384	rBV	84915	352753	6.53%	0.865%
13	10.651	1434	1438	1443	rBV	469663	585548	10.84%	1.436%
14	10.728	1445	1451	1456	rBV	2356845	2979587	55.17%	7.308%
15	11.427	1565	1570	1575	rBV	1025908	1265312	23.43%	3.103%
16	11.957	1654	1660	1674	rBV2	424298	696667	12.90%	1.709%
17	12.739	1788	1793	1805	rBV	121880	207745	3.85%	0.510%
18	13.016	1834	1840	1845	rBV	3239748	4153061	76.90%	10.186%
19	13.592	1934	1938	1945	rVB	44145	67987	1.26%	0.167%
20	13.804	1966	1974	1987	rVV7	111369	488425	9.04%	1.198%
21	13.910	1987	1992	1999	rVV3	476169	763795	14.14%	1.873%
22	13.969	2000	2002	2008	rVB3	41991	68100	1.26%	0.167%
23	14.063	2013	2018	2026	rVB	919364	1240218	22.97%	3.042%
24	14.233	2043	2047	2054	rVB	80642	111043	2.06%	0.272%
25	14.545	2095	2100	2106	rBV	221979	324391	6.01%	0.796%
26	14.857	2149	2153	2163	rVB	66326	104787	1.94%	0.257%
27	15.210	2208	2213	2223	rBV2	117433	238752	4.42%	0.586%
28	15.557	2266	2272	2277	rBV	796266	1204470	22.30%	2.954%
29	16.057	2353	2357	2360	rBV	42310	66183	1.23%	0.162%
30	16.104	2361	2365	2373	rVB	73920	137330	2.54%	0.337%
31	16.945	2503	2508	2519	rVB2	75580	154810	2.87%	0.380%
32	17.257	2554	2561	2575	rBV6	122365	332162	6.15%	0.815%
33	17.680	2627	2633	2642	rBV4	93532	231831	4.29%	0.569%
34	18.515	2768	2775	2796	rVB4	111445	388401	7.19%	0.953%

Sum of corrected areas: 40770505

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

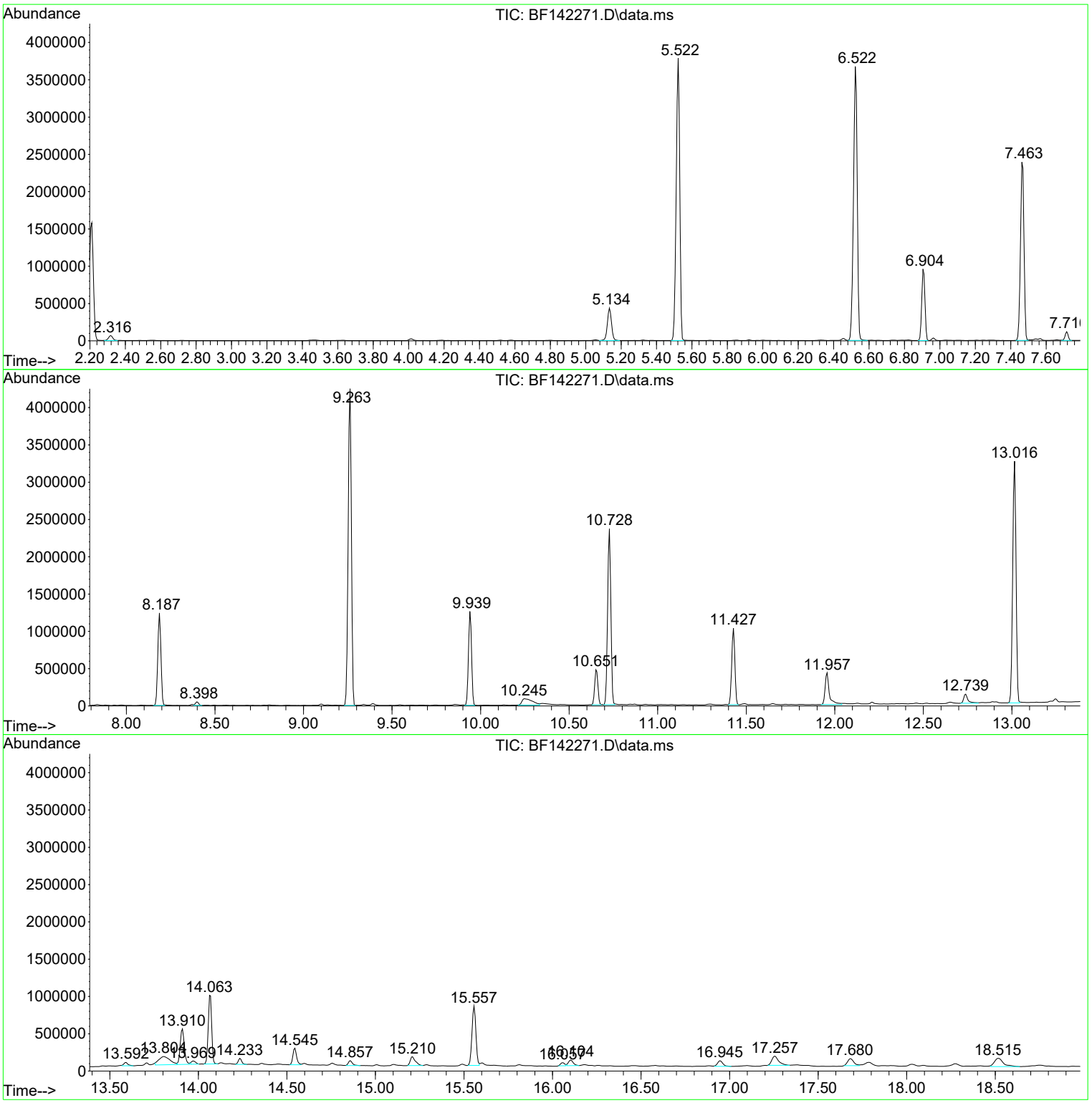
Sample Results: **BF142271.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142271.D
Acq On : 01 May 2025 20:20
Operator : RC/JU
Sample : Q1901-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.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\BF050125\
Data File : BF142271.D
Acq On : 01 May 2025 20:20
Operator : RC/JU
Sample : Q1901-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

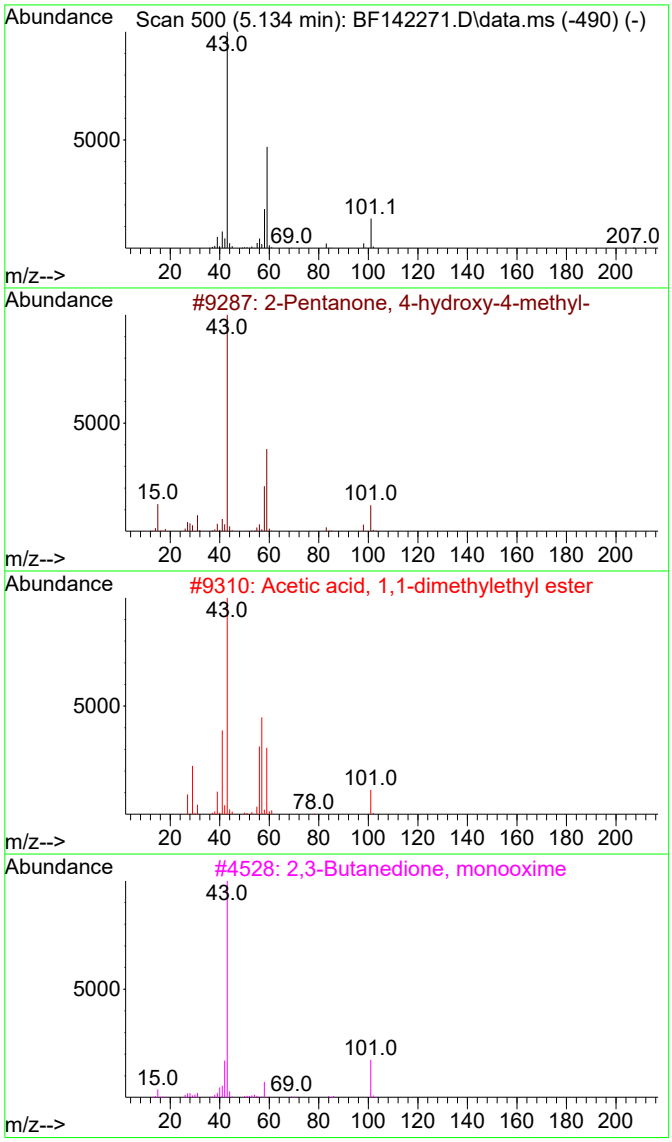
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

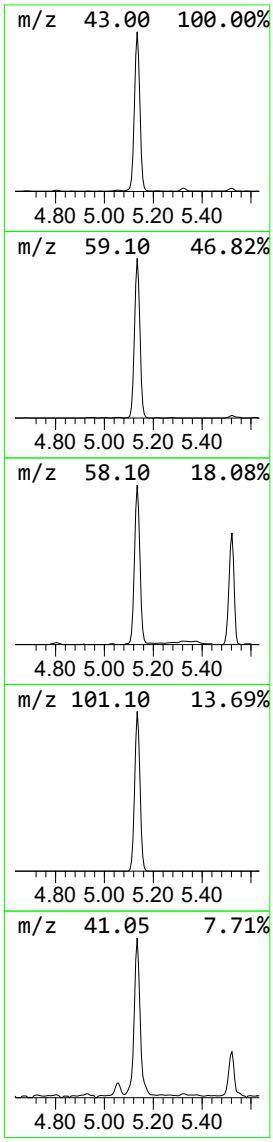
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.134	11.71 ng	695468	1,4-Dichlorobenzene-d4	6.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	83
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	23
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
5	Acetone	58	C3H6O	000067-64-1	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142271.D
Acq On : 01 May 2025 20:20
Operator : RC/JU
Sample : Q1901-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

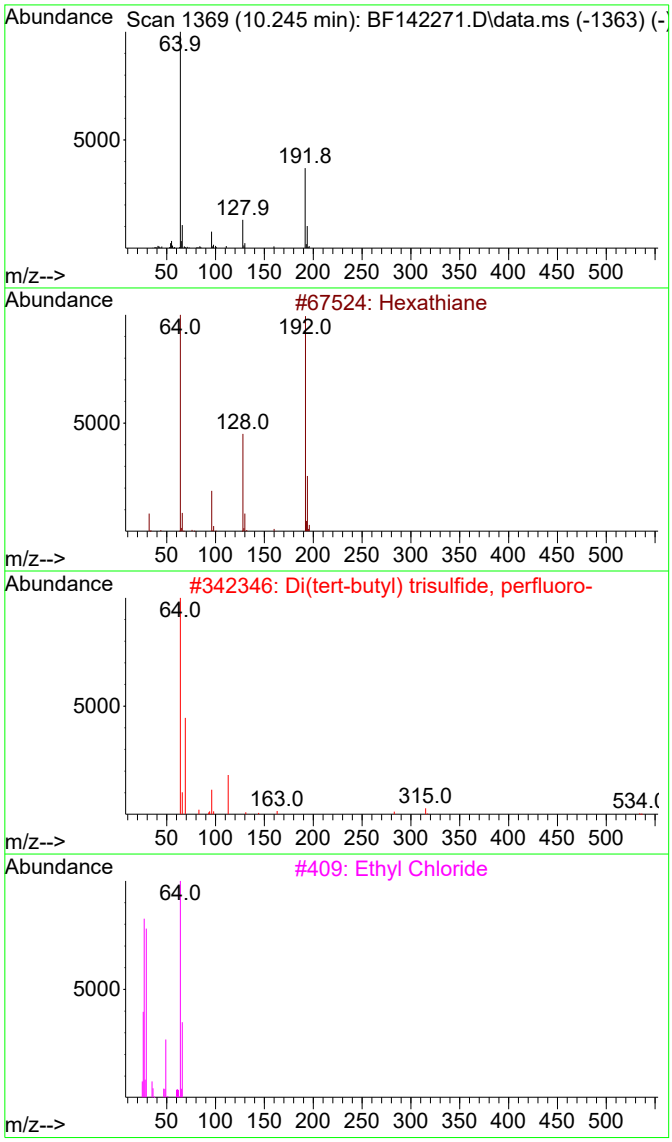
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

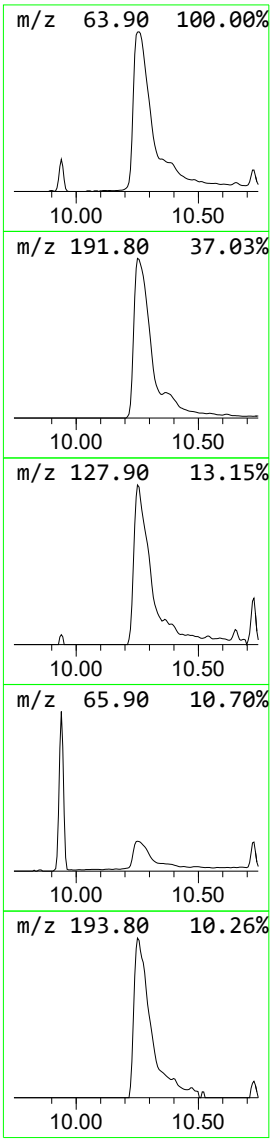
****

Peak Number 2 Hexathiane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.245	4.60 ng	352753	Acenaphthene-d10	9.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexathiane	192	S6	013798-23-7	91
2	Di(tert-butyl) trisulfide, perfl...	534	C8F18S3	016005-64-4	9
3	Ethyl Chloride	64	C2H5Cl	000075-00-3	5
4	Sulfur dioxide	64	O2S	007446-09-5	4
5	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4





Sample Results: **BF142271.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142271.D
Acq On : 01 May 2025 20:20
Operator : RC/JU
Sample : Q1901-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

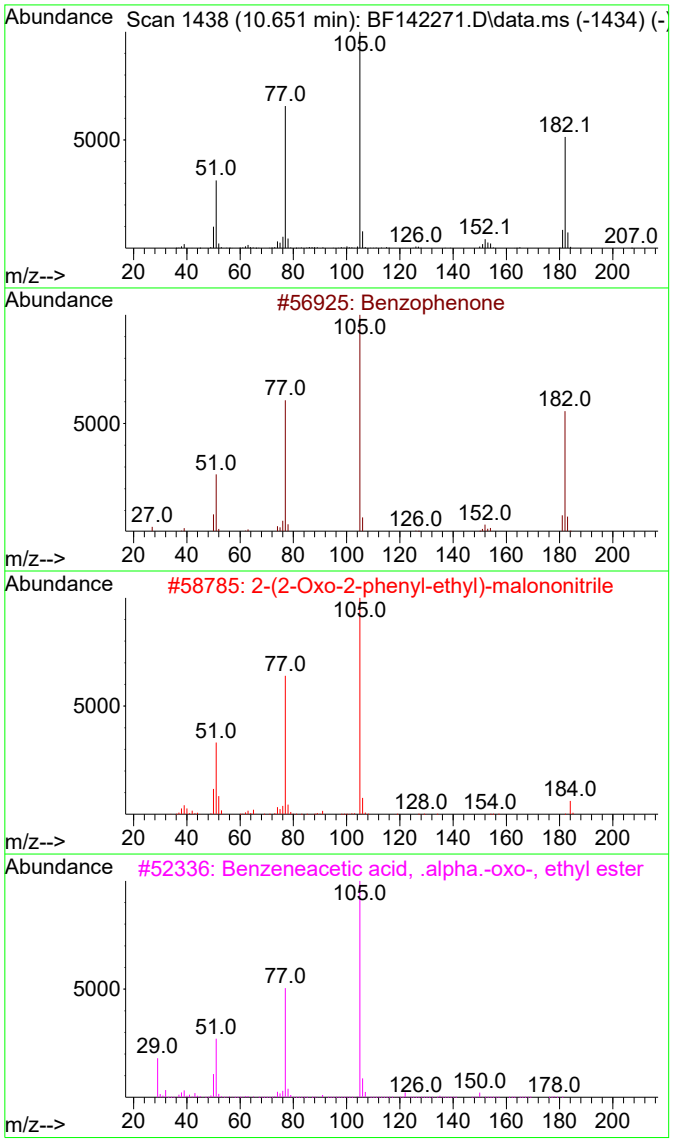
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

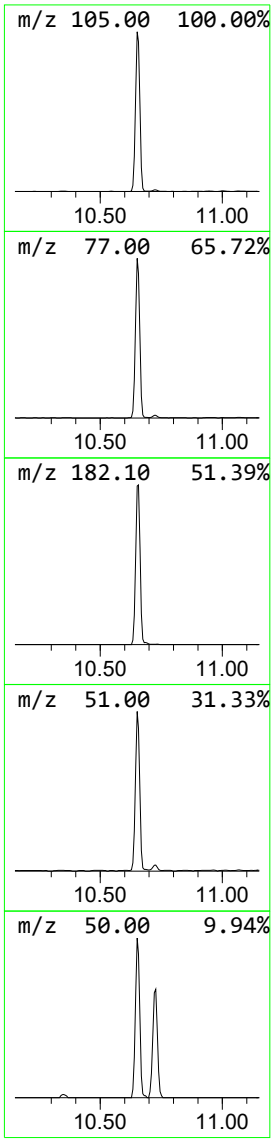
****

Peak Number 3 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.651	7.64 ng	585548	Acenaphthene-d10	9.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	58
3	Benzeneacetic acid, .alpha.-oxo-...	178	C10H10O3	001603-79-8	50
4	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	50
5	2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142271.D
Acq On : 01 May 2025 20:20
Operator : RC/JU
Sample : Q1901-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

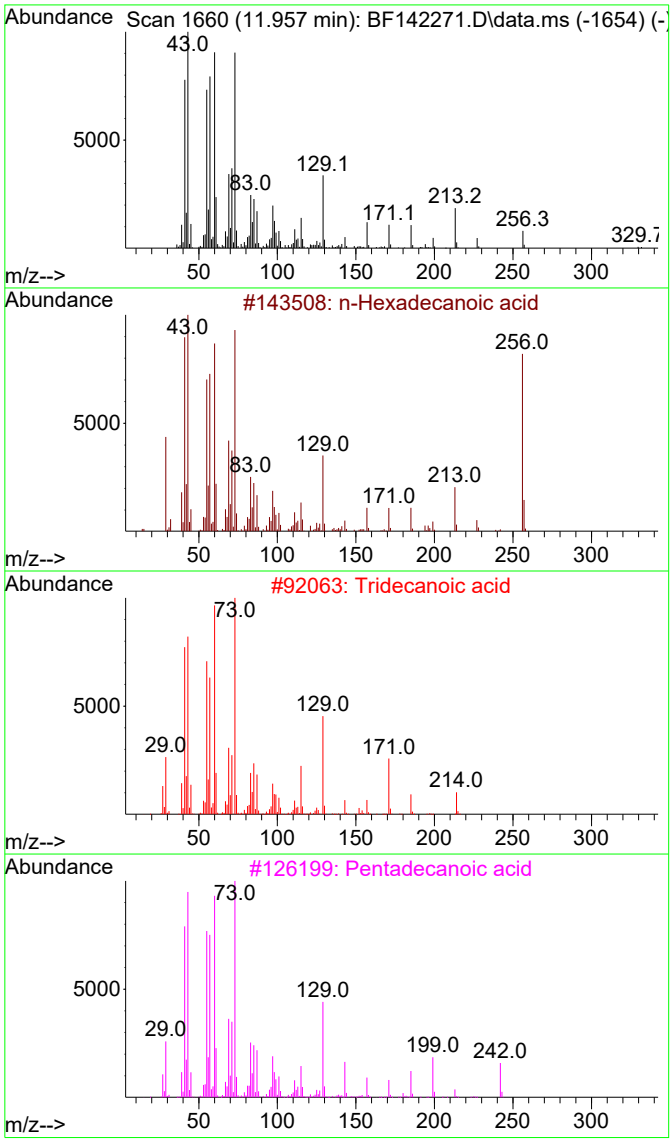
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

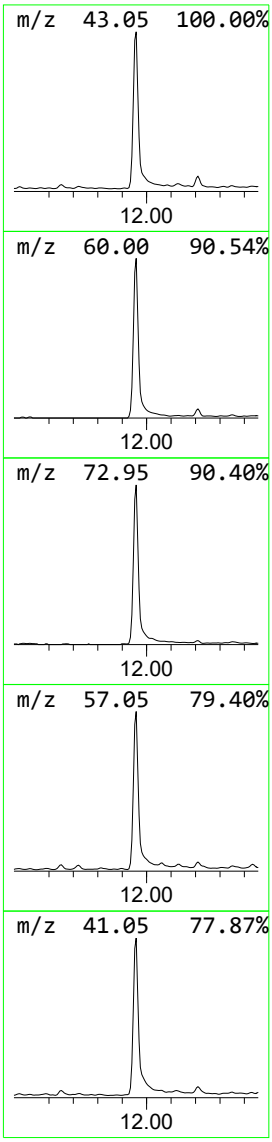
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.957	11.01 ng	696667	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	94
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5	Octadecanoic acid	284	C18H36O2	000057-11-4	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142271.D
Acq On : 01 May 2025 20:20
Operator : RC/JU
Sample : Q1901-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

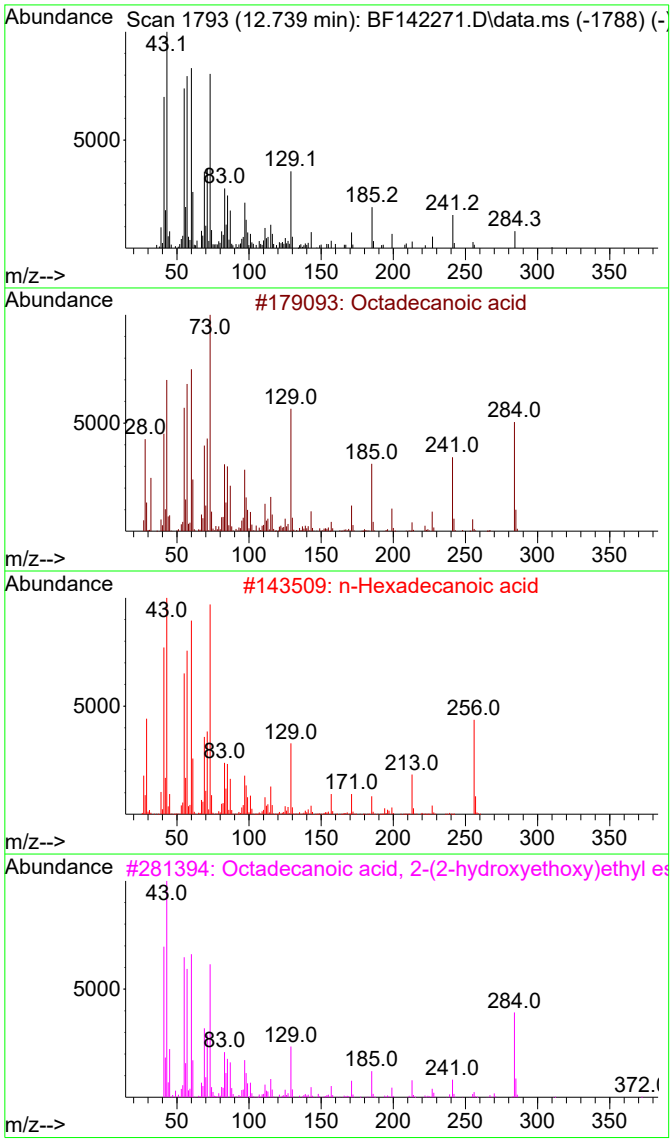
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

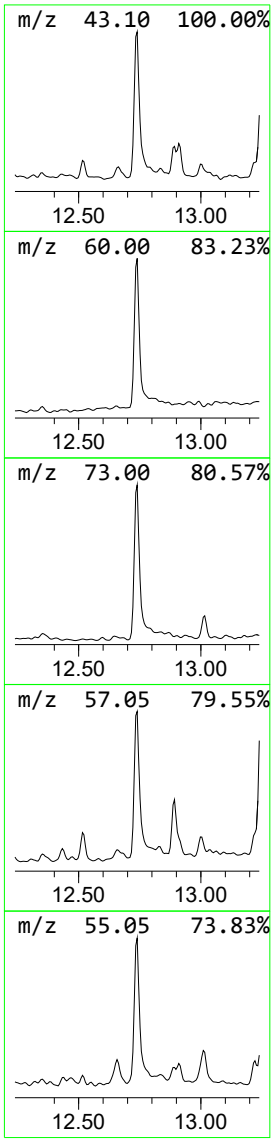
****

Peak Number 5 Octadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.739	3.28 ng	207745	Phenanthrene-d10	11.428

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	93
3	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	80
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5	Undecanoic acid	186	C11H22O2	000112-37-8	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142271.D
Acq On : 01 May 2025 20:20
Operator : RC/JU
Sample : Q1901-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

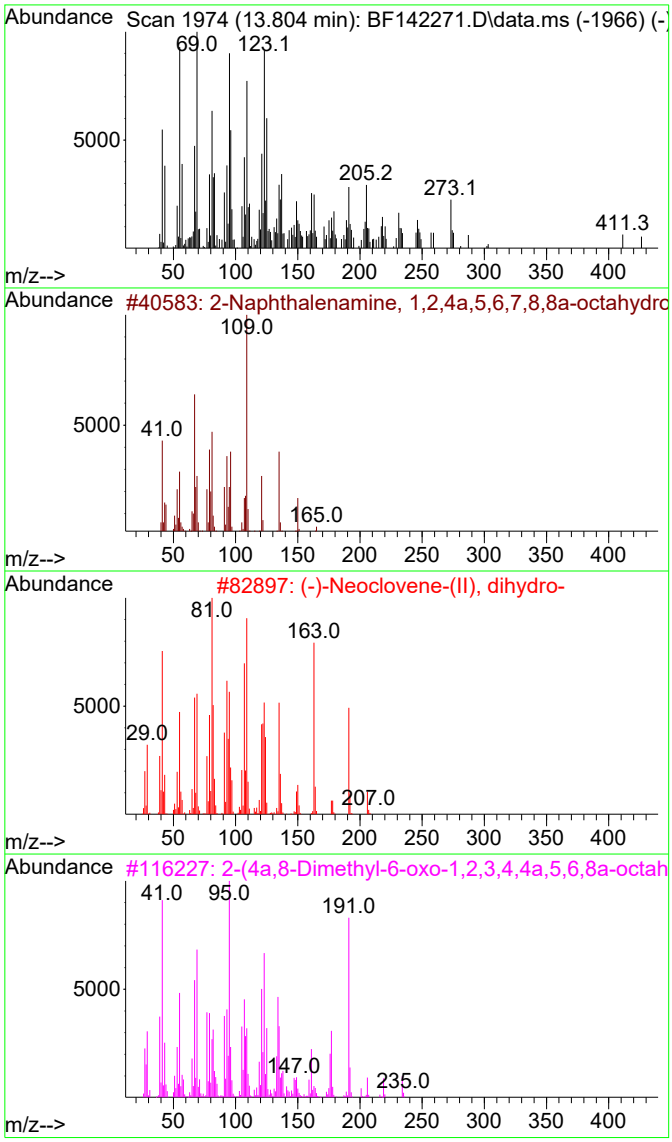
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

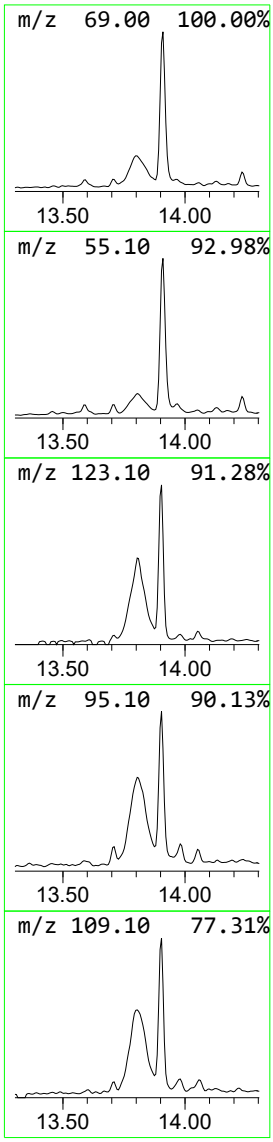
****

Peak Number 6 unknown13.804 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.804	7.88 ng	488425	Chrysene-d12	14.069

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenamine, 1,2,4a,5,6,7,...	165	C11H19N	056053-03-3	41
2	(-)-Neoclovene-(II), dihydro-	206	C15H26	1000152-83-6	38
3	2-(4a,8-Dimethyl-6-oxo-1,2,3,4,4...	234	C15H22O2	1000190-21-8	38
4	(2Z,4E)-3,7,11-Trimethyl-2,4,10-...	206	C15H26	172549-29-0	35
5	1-Formyl-2,2-dimethyl-3-trans-(3...	220	C15H24O	1000144-09-7	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142271.D
Acq On : 01 May 2025 20:20
Operator : RC/JU
Sample : Q1901-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

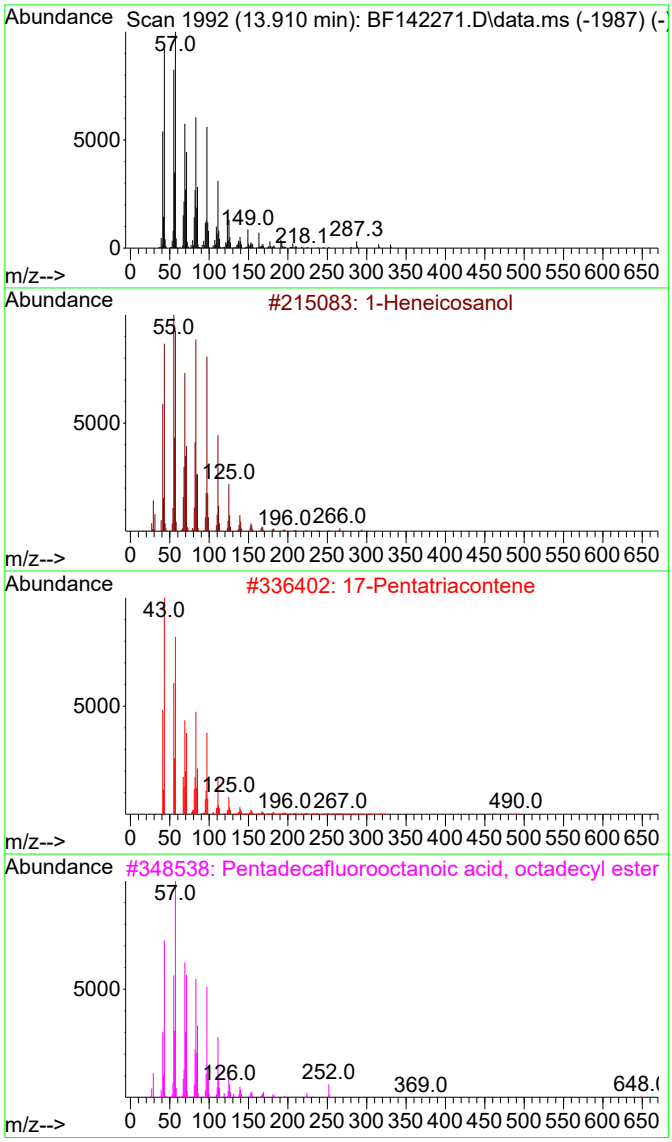
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

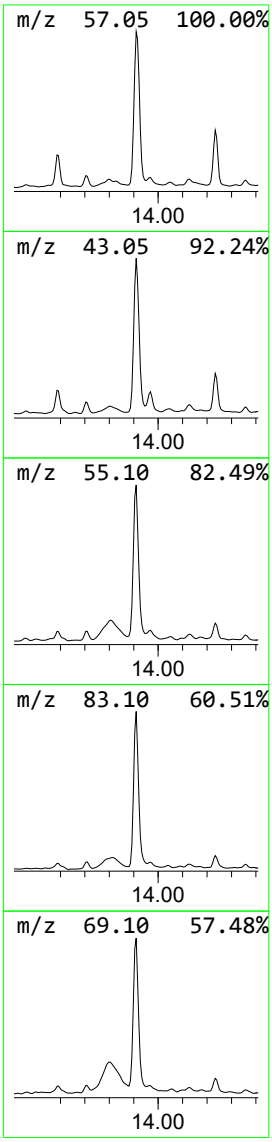
****

Peak Number 7 1-Heneicosanol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.910	12.32 ng	763795	Chrysene-d12	14.069

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	93
2	17-Pentatriacontene	491	C35H70	006971-40-0	93
3	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	93
4	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	93
5	Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142271.D
Acq On : 01 May 2025 20:20
Operator : RC/JU
Sample : Q1901-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

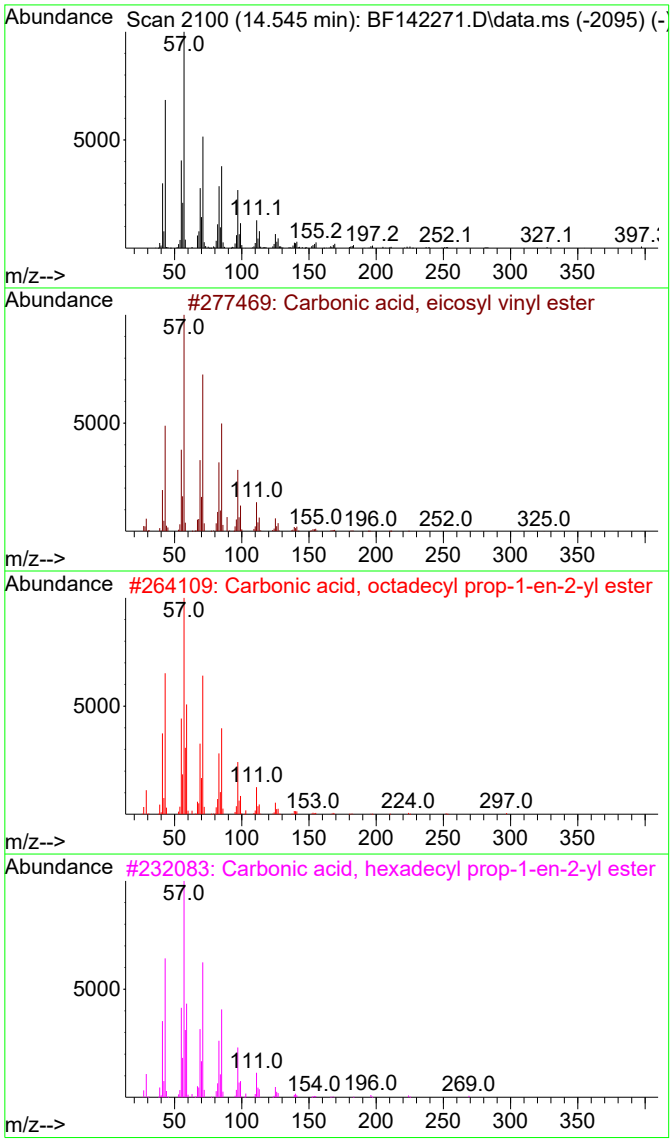
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

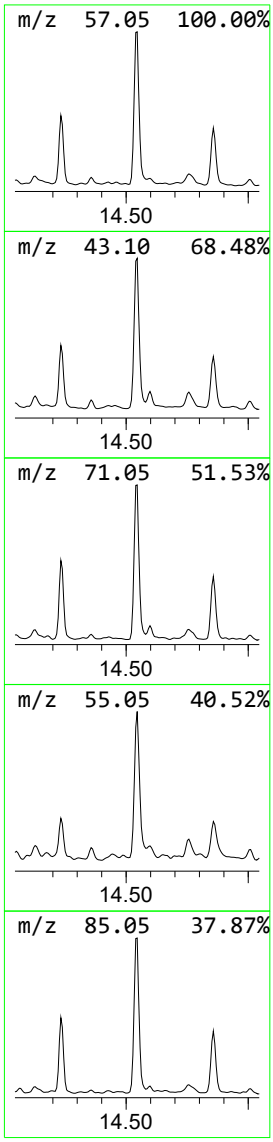
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Carbonic acid, eicosyl viny... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.545	5.23 ng	324391	Chrysene-d12	14.069

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	91
2	Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	91
3	Carbonic acid, hexadecyl prop-1-...	326	C20H38O3	1000382-90-3	91
4	Carbonic acid, octadecyl vinyl e...	340	C21H40O3	1000382-54-4	87
5	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142271.D
Acq On : 01 May 2025 20:20
Operator : RC/JU
Sample : Q1901-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

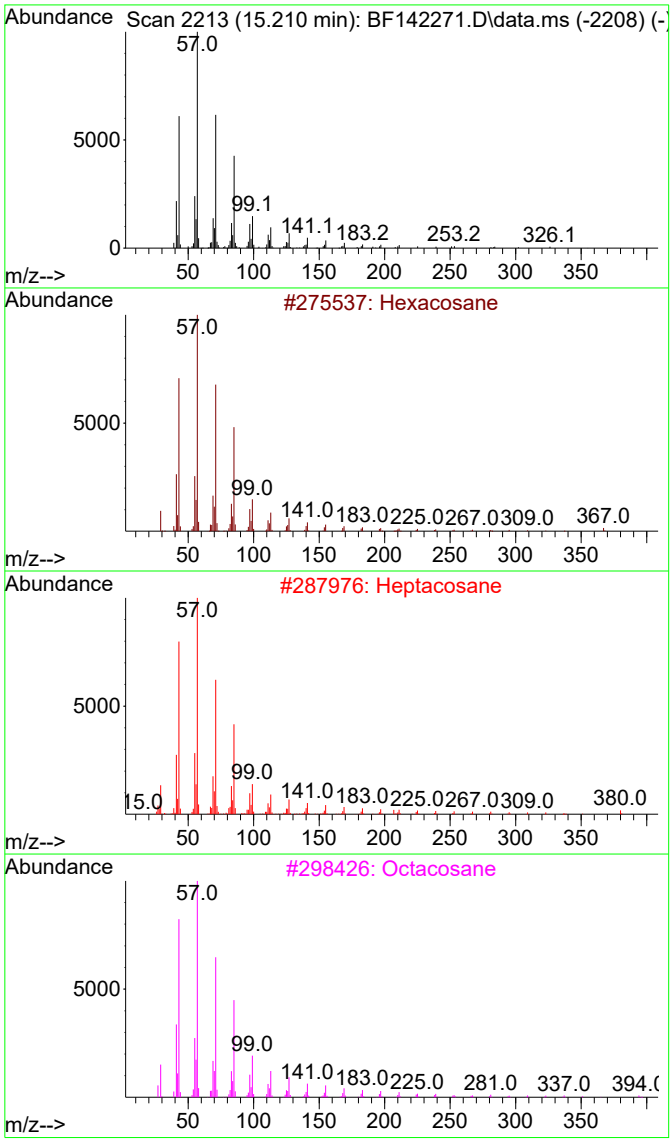
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

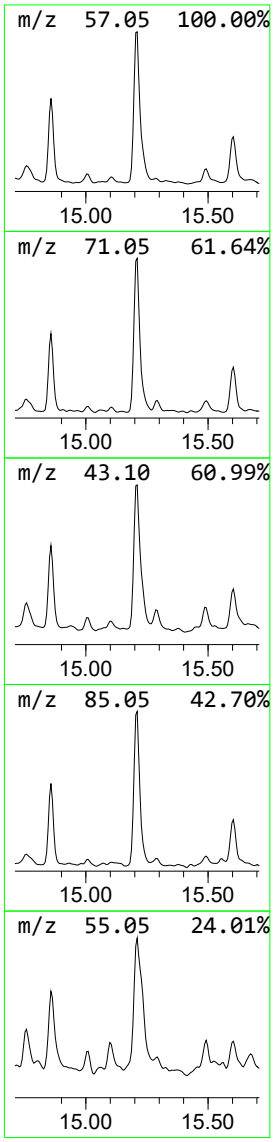
****

Peak Number 9 Hexacosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.210	3.96 ng	238752	Perylene-d12	15.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	94
2	Heptacosane	380	C27H56	000593-49-7	91
3	Octacosane	394	C28H58	000630-02-4	91
4	Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
5	Heneicosane	296	C21H44	000629-94-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142271.D
Acq On : 01 May 2025 20:20
Operator : RC/JU
Sample : Q1901-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

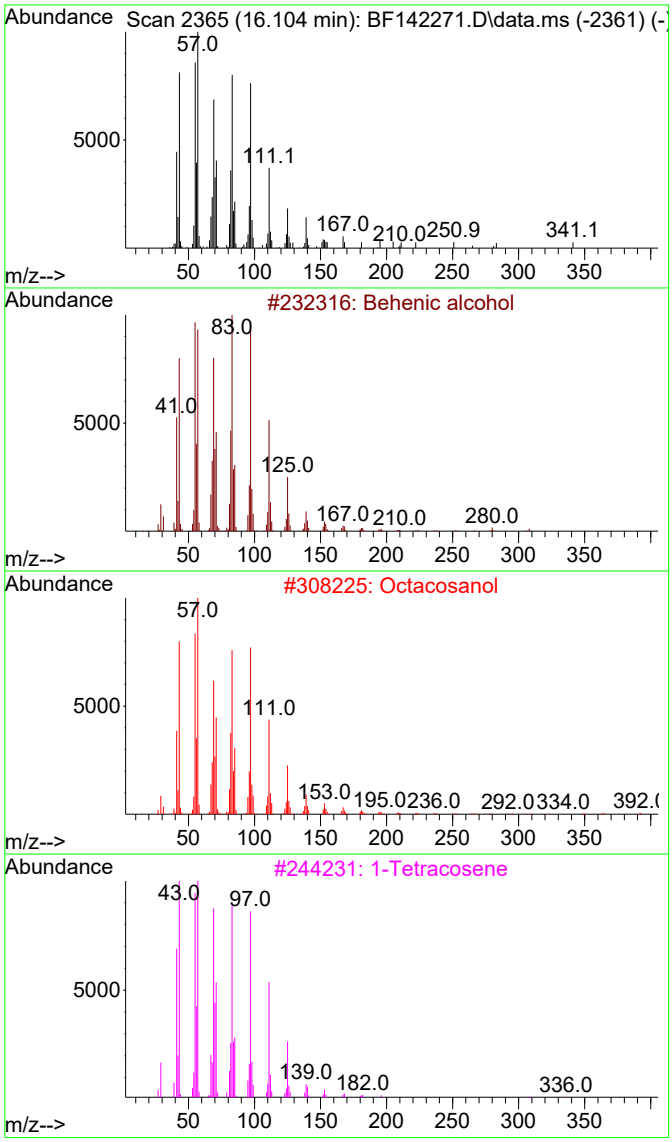
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

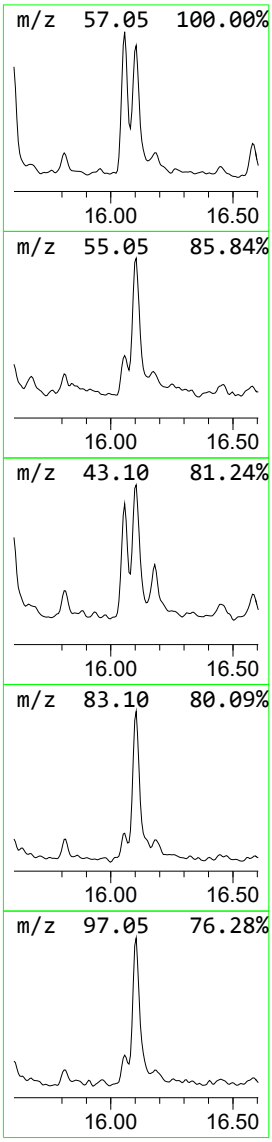
****

Peak Number 10 Behenic alcohol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.104	2.28 ng	137330	Perylene-d12	15.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Behenic alcohol	326	C22H46O	000661-19-8	91
2	Octacosanol	410	C28H58O	000557-61-9	90
3	1-Tetracosene	336	C24H48	010192-32-2	90
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	90
5	1-Heneicosanol	312	C21H44O	015594-90-8	90





Sample Results: **BF142271.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142271.D
Acq On : 01 May 2025 20:20
Operator : RC/JU
Sample : Q1901-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.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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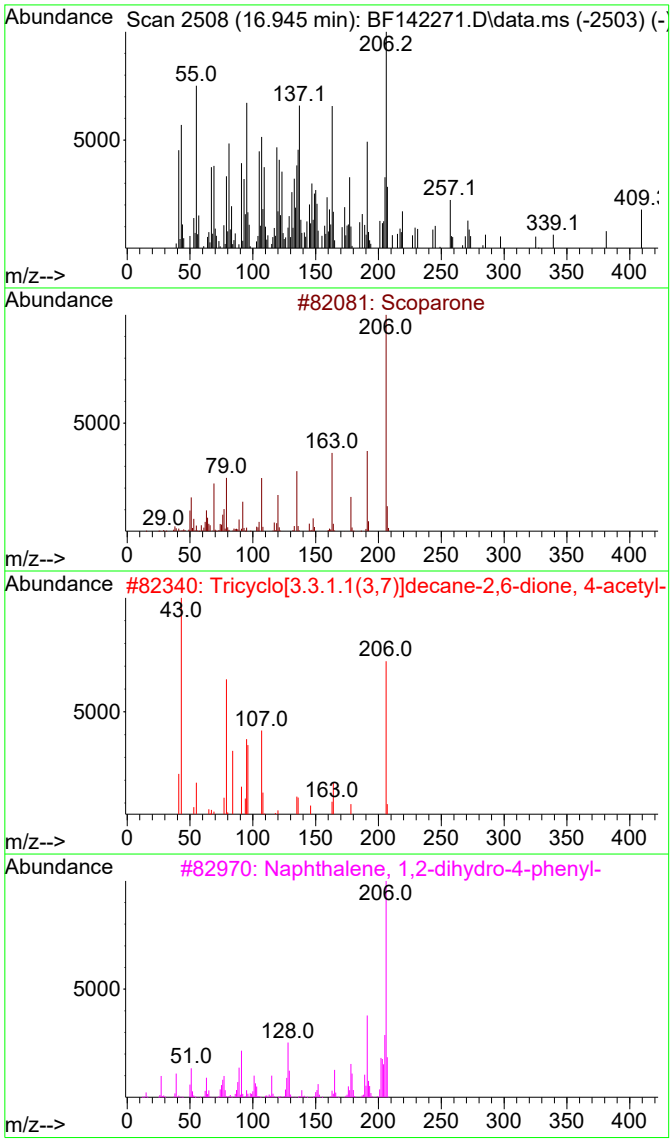
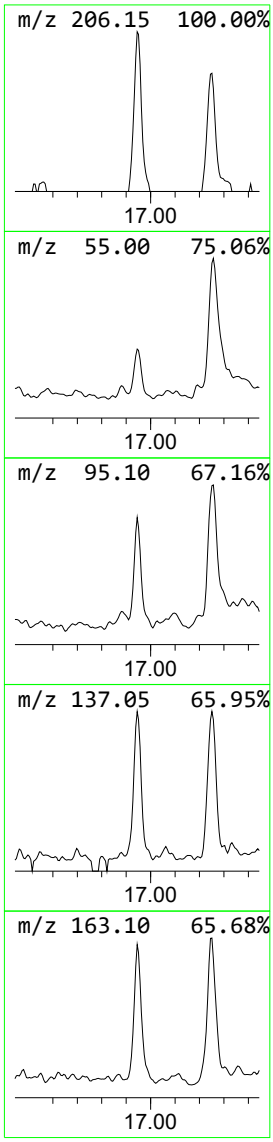
Peak Number 11 unknown16.945 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.945	2.57 ng	154810	Perylene-d12	15.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Scoparone	206	C11H10O4	000120-08-1	45
2	Tricyclo[3.3.1.1(3,7)]decane-2,6...	206	C12H14O3	056781-92-1	38
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	35
4	2-Hydroxy-3-methoxyphenylacetoni...	163	C9H9NO2	042973-56-8	30
5	1-(2-Hydroxyphenyl)piperazine, N...	206	C12H18N2O	148547-51-7	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142271.D
Acq On : 01 May 2025 20:20
Operator : RC/JU
Sample : Q1901-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

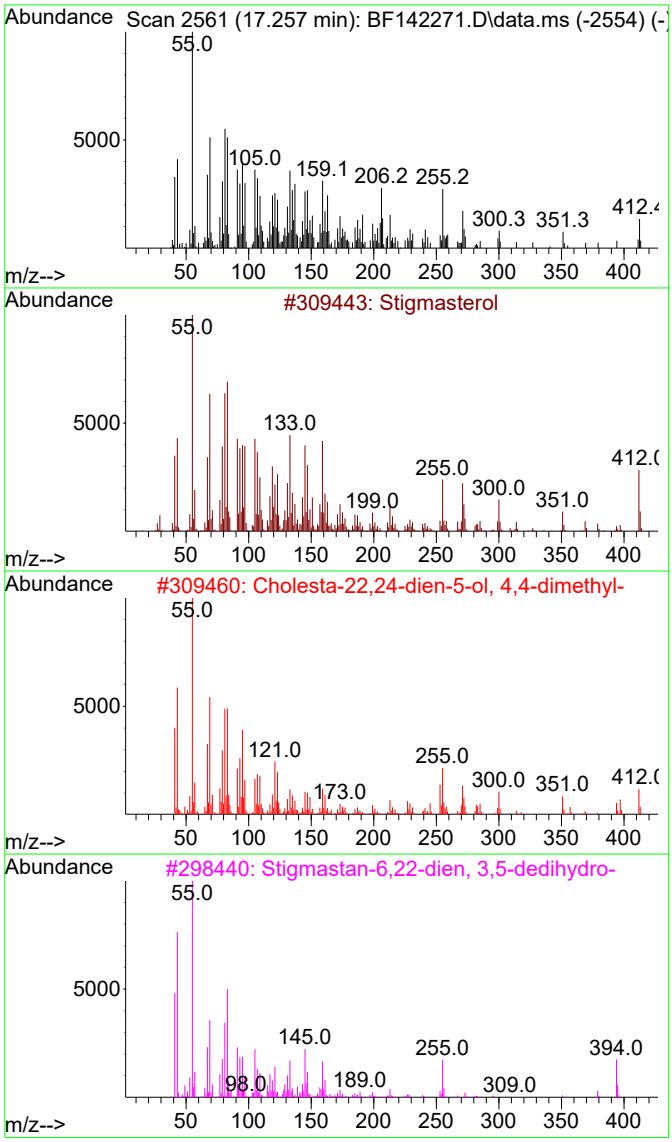
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

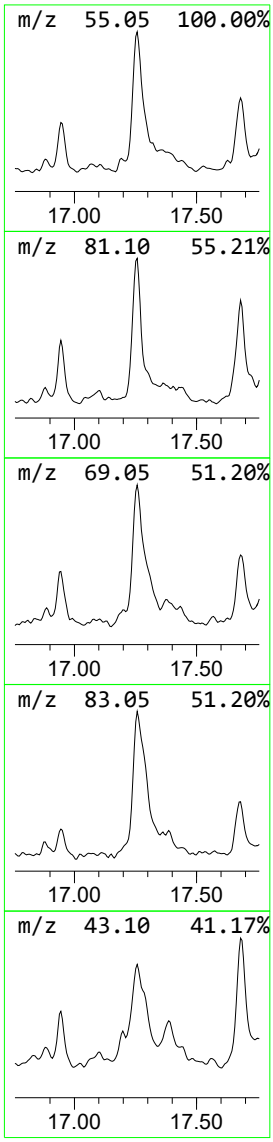
****

Peak Number 12 Stigmasterol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.256	5.52 ng	332162	Perylene-d12	15.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stigmasterol	412	C29H48O	000083-48-7	96
2	Cholesta-22,24-dien-5-ol, 4,4-di...	412	C29H48O	1000128-66-1	50
3	Stigmastan-6,22-dien, 3,5-dedihy...	394	C29H46	107304-12-1	41
4	Chondrillasterol	412	C29H48O	000481-17-4	38
5	1-Methyl-4-(1-methylethenyl)-3-[...	412	C30H52	1000370-41-5	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142271.D
Acq On : 01 May 2025 20:20
Operator : RC/JU
Sample : Q1901-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

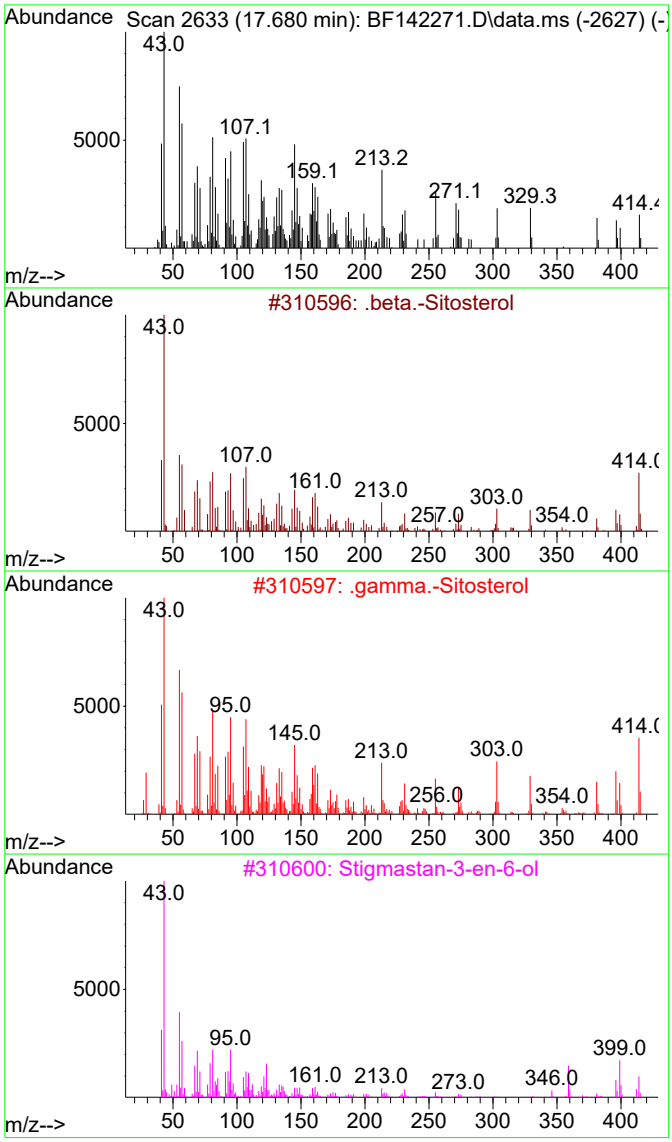
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

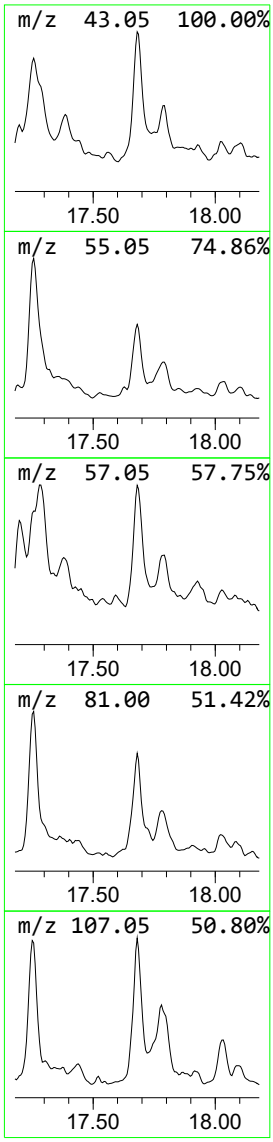
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 .beta.-Sitosterol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.680	3.85 ng	231831	Perylene-d12	15.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Sitosterol	414	C29H50O	000083-46-5	98
2	.gamma.-Sitosterol	414	C29H50O	000083-47-6	76
3	Stigmastan-3-en-6-ol	414	C29H50O	1000214-19-7	38
4	(1R,4aR,5S)-5-[(E)-5-Hydroxy-3-m...	304	C20H32O2	1214984-94-7	35
5	17-(1,5-Dimethylhexyl)-10,13-dim...	414	C29H50O	1000210-86-9	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142271.D
Acq On : 01 May 2025 20:20
Operator : RC/JU
Sample : Q1901-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

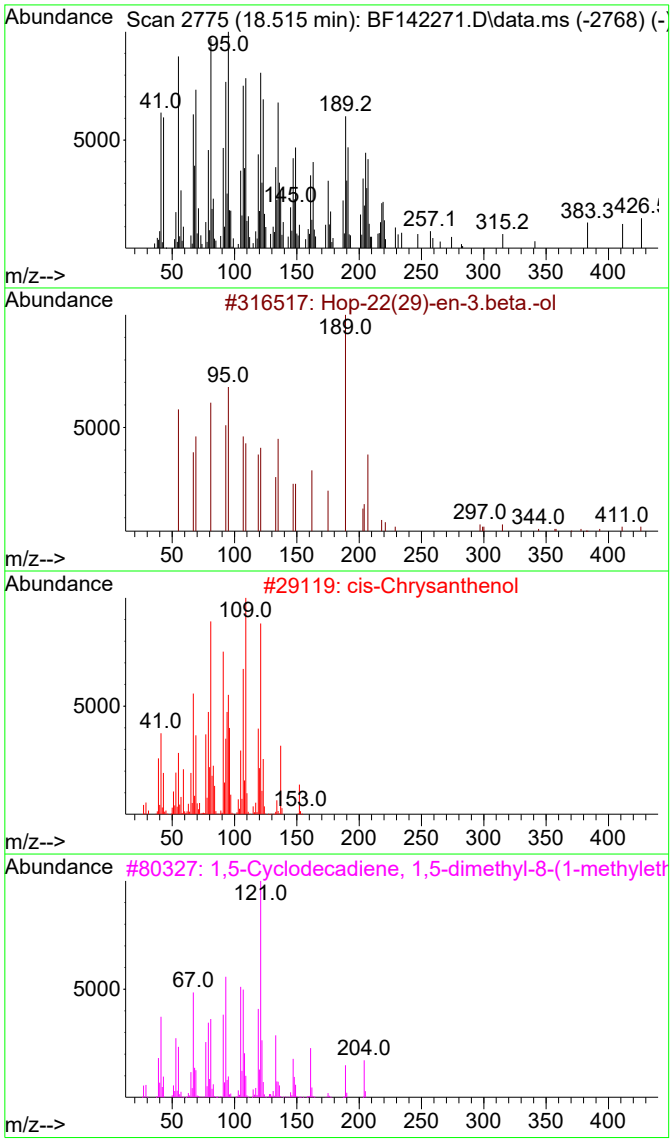
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

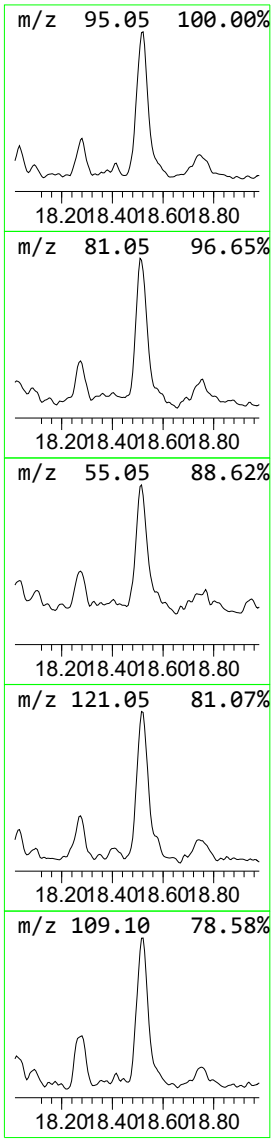
****

Peak Number 14 Hop-22(29)-en-3.beta.-ol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.515	6.45 ng	388401	Perylene-d12	15.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hop-22(29)-en-3.beta.-ol	426	C30H50O	058801-23-3	70
2	cis-Chrysanthenol	152	C10H16O	055722-60-6	55
3	1,5-Cyclodecadiene, 1,5-dimethyl...	204	C15H24	015423-57-1	53
4	Guaia-9,11-diene	204	C15H24	1000374-19-8	53
5	2-Buten-1-ol, 2-ethyl-4-(2,2,3-t...	208	C14H24O	028219-61-6	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142271.D
Acq On : 01 May 2025 20:20
Operator : RC/JU
Sample : Q1901-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.134	11.7	ng	695468	1	6.904	1188060	20.0
Hexathiane	10.245	4.6	ng	352753	3	9.939	1533210	20.0
Benzophenone	10.651	7.6	ng	585548	3	9.939	1533210	20.0
n-Hexadecanoic ...	11.957	11.0	ng	696667	4	11.428	1265310	20.0
Octadecanoic acid	12.739	3.3	ng	207745	4	11.428	1265310	20.0
unknown13.804	13.804	7.9	ng	488425	5	14.069	1240220	20.0
1-Heneicosanol	13.910	12.3	ng	763795	5	14.069	1240220	20.0
Carbonic acid, ...	14.545	5.2	ng	324391	5	14.069	1240220	20.0
Hexacosane	15.210	4.0	ng	238752	6	15.557	1204470	20.0
Behenic alcohol	16.104	2.3	ng	137330	6	15.557	1204470	20.0
unknown16.945	16.945	2.6	ng	154810	6	15.557	1204470	20.0
Stigmasterol	17.256	5.5	ng	332162	6	15.557	1204470	20.0
.beta.-Sitosterol	17.680	3.9	ng	231831	6	15.557	1204470	20.0
Hop-22(29)-en-3...	18.515	6.5	ng	388401	6	15.557	1204470	20.0

Raw Data: **BF142272.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:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-170-SB02	SDG No.:	Q1901
Lab Sample ID:	Q1901-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	75.1
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
BF142272.D	1	04/29/25 09:30	05/01/25 20:49	PB167779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	210	U	210	440	ug/Kg
108-95-2	Phenol	29.4	U	29.4	230	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	32.3	U	32.3	230	ug/Kg
95-57-8	2-Chlorophenol	32.5	U	32.5	230	ug/Kg
95-48-7	2-Methylphenol	39.8	U	39.8	230	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	49.9	U	49.9	230	ug/Kg
98-86-2	Acetophenone	39.2	U	39.2	230	ug/Kg
65794-96-9	3+4-Methylphenols	54.7	U	54.7	440	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	63.1	U	63.1	110	ug/Kg
67-72-1	Hexachloroethane	23.4	U	23.4	230	ug/Kg
98-95-3	Nitrobenzene	24.3	U	24.3	230	ug/Kg
78-59-1	Isophorone	43.6	U	43.6	230	ug/Kg
88-75-5	2-Nitrophenol	77.4	U	77.4	230	ug/Kg
105-67-9	2,4-Dimethylphenol	86.2	U	86.2	230	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	41.0	U	41.0	230	ug/Kg
120-83-2	2,4-Dichlorophenol	37.6	U	37.6	230	ug/Kg
91-20-3	Naphthalene	30.2	U	30.2	230	ug/Kg
106-47-8	4-Chloroaniline	47.1	UQ	47.1	230	ug/Kg
87-68-3	Hexachlorobutadiene	33.7	U	33.7	230	ug/Kg
105-60-2	Caprolactam	69.3	U	69.3	440	ug/Kg
59-50-7	4-Chloro-3-methylphenol	38.2	U	38.2	230	ug/Kg
91-57-6	2-Methylnaphthalene	34.1	U	34.1	230	ug/Kg
77-47-4	Hexachlorocyclopentadiene	150	U	150	440	ug/Kg
88-06-2	2,4,6-Trichlorophenol	26.3	U	26.3	230	ug/Kg
95-95-4	2,4,5-Trichlorophenol	38.7	U	38.7	230	ug/Kg
92-52-4	1,1-Biphenyl	29.0	U	29.0	230	ug/Kg
91-58-7	2-Chloronaphthalene	29.9	U	29.9	230	ug/Kg
88-74-4	2-Nitroaniline	64.0	U	64.0	230	ug/Kg
131-11-3	Dimethylphthalate	36.0	U	36.0	230	ug/Kg

Raw Data: **BF142272.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:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-170-SB02	SDG No.:	Q1901
Lab Sample ID:	Q1901-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	75.1
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
BF142272.D	1	04/29/25 09:30	05/01/25 20:49	PB167779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	38.4	U	38.4	230	ug/Kg
606-20-2	2,6-Dinitrotoluene	44.7	U	44.7	230	ug/Kg
99-09-2	3-Nitroaniline	61.2	UQ	61.2	230	ug/Kg
83-32-9	Acenaphthene	28.3	U	28.3	230	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	300	440	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	440	ug/Kg
132-64-9	Dibenzofuran	30.2	U	30.2	230	ug/Kg
121-14-2	2,4-Dinitrotoluene	66.6	U	66.6	230	ug/Kg
84-66-2	Diethylphthalate	37.6	U	37.6	230	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	35.5	U	35.5	230	ug/Kg
86-73-7	Fluorene	33.7	U	33.7	230	ug/Kg
100-01-6	4-Nitroaniline	85.4	U	85.4	230	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	U	140	440	ug/Kg
86-30-6	n-Nitrosodiphenylamine	43.8	U	43.8	230	ug/Kg
101-55-3	4-Bromophenyl-phenylether	37.0	U	37.0	230	ug/Kg
118-74-1	Hexachlorobenzene	33.7	U	33.7	230	ug/Kg
1912-24-9	Atrazine	45.2	U	45.2	230	ug/Kg
87-86-5	Pentachlorophenol	68.2	U	68.2	440	ug/Kg
85-01-8	Phenanthrene	27.8	U	27.8	230	ug/Kg
120-12-7	Anthracene	44.3	U	44.3	230	ug/Kg
86-74-8	Carbazole	41.5	U	41.5	230	ug/Kg
84-74-2	Di-n-butylphthalate	63.7	U	63.7	230	ug/Kg
206-44-0	Fluoranthene	39.9	U	39.9	230	ug/Kg
129-00-0	Pyrene	47.9	U	47.9	230	ug/Kg
85-68-7	Butylbenzylphthalate	95.0	U	95.0	230	ug/Kg
91-94-1	3,3-Dichlorobenzidine	48.8	UQ	48.8	440	ug/Kg
56-55-3	Benzo(a)anthracene	30.6	U	30.6	230	ug/Kg
218-01-9	Chrysene	26.5	U	26.5	230	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	78.7	U	78.7	230	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	440	ug/Kg
205-99-2	Benzo(b)fluoranthene	25.3	U	25.3	230	ug/Kg

Raw Data: **BF142272.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:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-170-SB02	SDG No.:	Q1901
Lab Sample ID:	Q1901-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	75.1
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
BF142272.D	1	04/29/25 09:30	05/01/25 20:49	PB167779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	29.8	U	29.8	230	ug/Kg
50-32-8	Benzo(a)pyrene	39.2	U	39.2	230	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	38.7	U	38.7	230	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	36.4	U	36.4	230	ug/Kg
191-24-2	Benzo(g,h,i)perylene	34.2	U	34.2	230	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	34.1	U	34.1	230	ug/Kg
123-91-1	1,4-Dioxane	60.1	U	60.1	230	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	36.4	U	36.4	230	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	74.0		30 (18) - 130 (112)	49%	SPK: 150
13127-88-3	Phenol-d6	75.3		30 (15) - 130 (107)	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	56.9		30 (18) - 130 (107)	57%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.8		30 (20) - 130 (109)	54%	SPK: 100
118-79-6	2,4,6-Tribromophenol	78.2		30 (10) - 130 (116)	52%	SPK: 150
1718-51-0	Terphenyl-d14	37.4		30 (10) - 130 (105)	37%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	191000	6.904			
1146-65-2	Naphthalene-d8	721000	8.186			
15067-26-2	Acenaphthene-d10	342000	9.939			
1517-22-2	Phenanthrene-d10	491000	11.427			
1719-03-5	Chrysene-d12	440000	14.062			
1520-96-3	Perylene-d12	434000	15.557			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	300	AB		5.12	ug/Kg
000119-61-9	Benzophenone	220	J		10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	210	J		12.0	ug/Kg
006222-03-3	Trifluoroacetoxy hexadecane	410	J		13.9	ug/Kg
001599-67-3	1-Docosene	370	J		14.5	ug/Kg
000489-39-4	Aromandendrene	150	J		17.3	ug/Kg

Raw Data: **BF142272.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:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-170-SB02	SDG No.:	Q1901
Lab Sample ID:	Q1901-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	75.1
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
BF142272.D	1	04/29/25 09:30	05/01/25 20:49	PB167779

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\BF050125\
Data File : BF142272.D
Acq On : 01 May 2025 20:49
Operator : RC/JU
Sample : Q1901-05
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-170-SB02

Quant Time: May 02 01:09:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

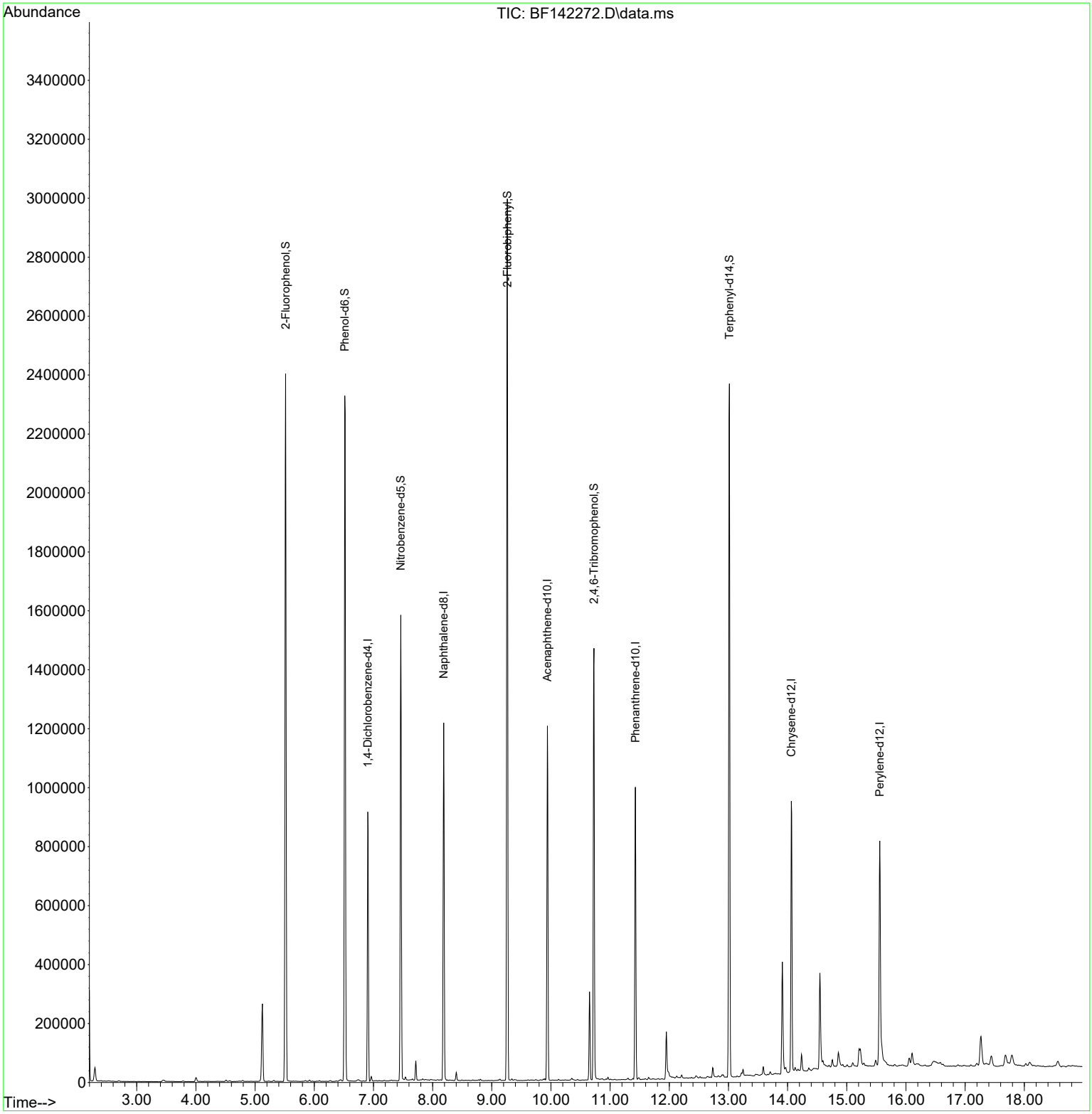
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	191116	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	720969	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	342220	20.000	ng	-0.01
64) Phenanthrene-d10	11.427	188	490996	20.000	ng	0.00
76) Chrysene-d12	14.062	240	440399	20.000	ng	-0.01
86) Perylene-d12	15.557	264	434416	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	885089	73.962	ng	0.00
7) Phenol-d6	6.516	99	1088394	75.318	ng	-0.01
23) Nitrobenzene-d5	7.463	82	624188	56.878	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	243819	78.152	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1306976	53.848	ng	0.00
79) Terphenyl-d14	13.015	244	1131952	37.382	ng	0.00
Target Compounds						Qvalue

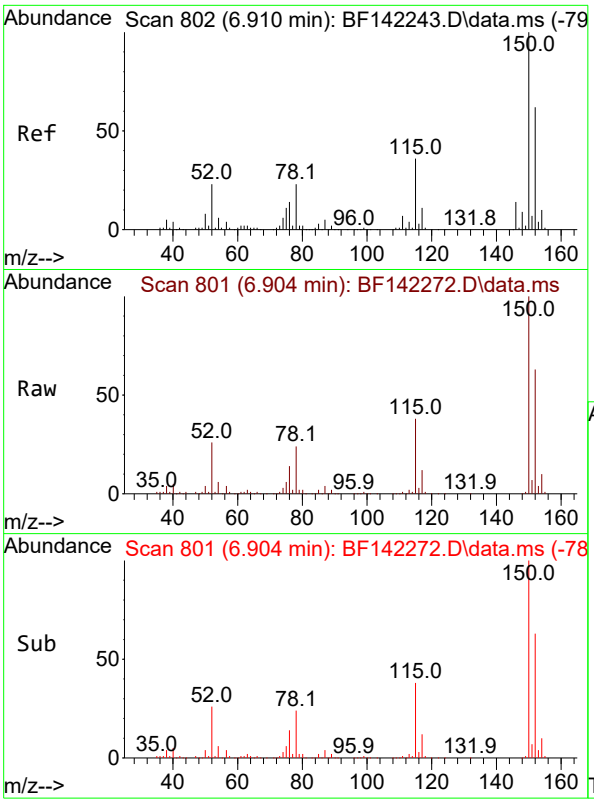
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142272.D
Acq On : 01 May 2025 20:49
Operator : RC/JU
Sample : Q1901-05
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-170-SB02

Quant Time: May 02 01:09:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration



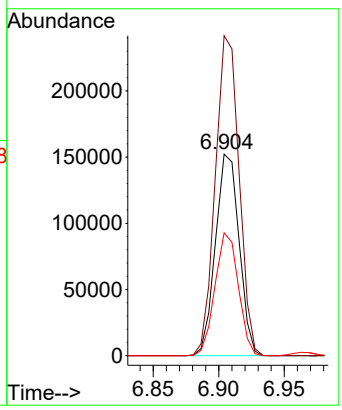


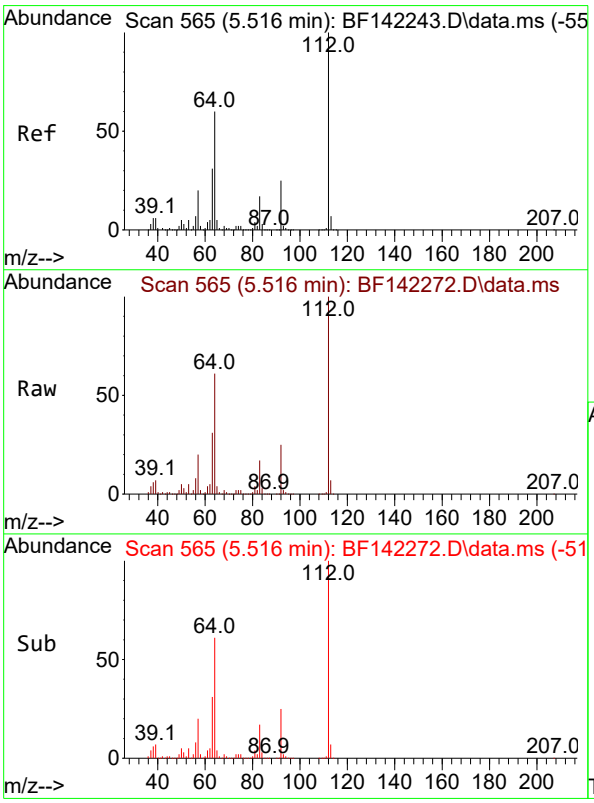
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142272.D
Acq: 01 May 2025 20:49

Instrument :
BNA_F
ClientSampleId :
B-170-SB02

Tgt Ion:152 Resp: 191116

Ion	Ratio	Lower	Upper
152	100		
150	158.7	130.2	195.2
115	60.9	47.0	70.4

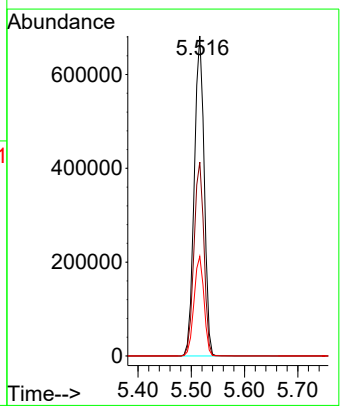


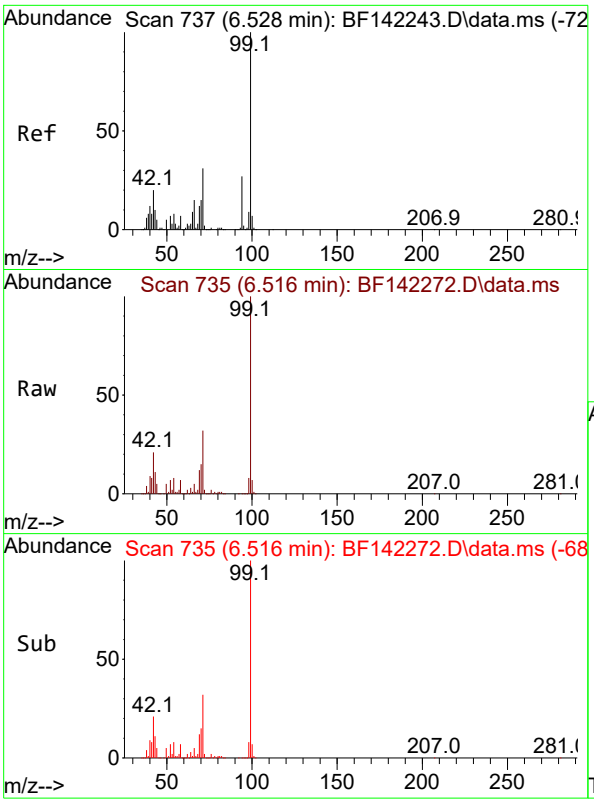


#5
2-Fluorophenol
Concen: 73.962 ng
RT: 5.516 min Scan# 565
Delta R.T. -0.000 min
Lab File: BF142272.D
Acq: 01 May 2025 20:49

Tgt Ion:112 Resp: 885089

Ion	Ratio	Lower	Upper
112	100		
64	60.6	48.4	72.6
63	31.1	24.8	37.2



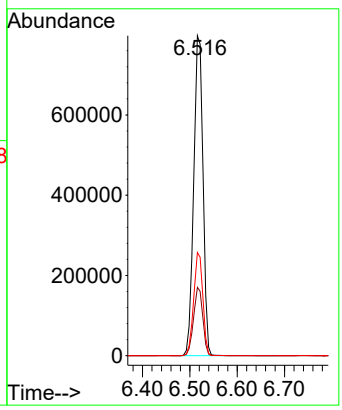


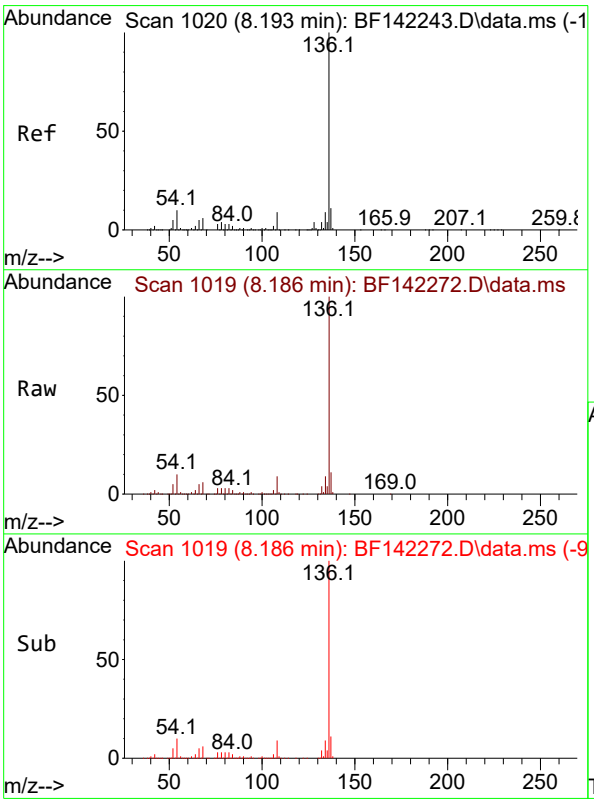
#7
Phenol-d6
Concen: 75.318 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142272.D
Acq: 01 May 2025 20:49

Instrument :
BNA_F
ClientSampleId :
B-170-SB02

Tgt Ion: 99 Resp: 1088394

Ion	Ratio	Lower	Upper
99	100		
42	21.4	16.3	24.5
71	32.2	25.0	37.4

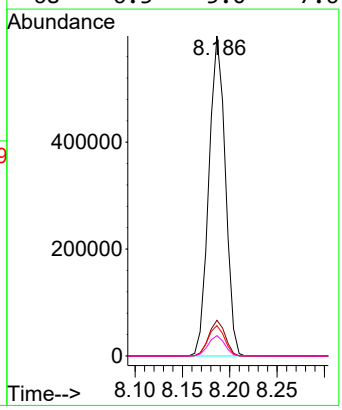


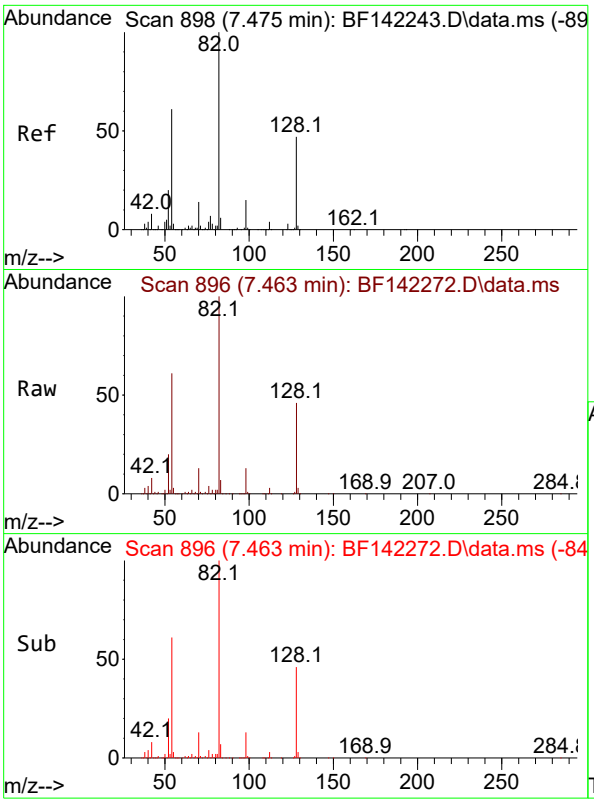


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.007 min
Lab File: BF142272.D
Acq: 01 May 2025 20:49

Tgt Ion:136 Resp: 720969

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	9.5	7.7	11.5
68	6.3	5.0	7.6



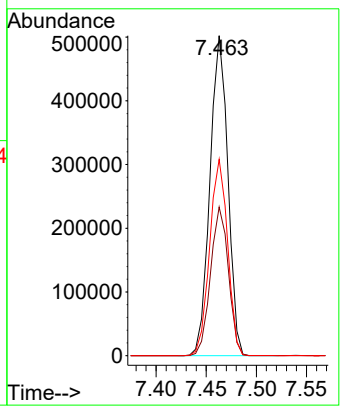


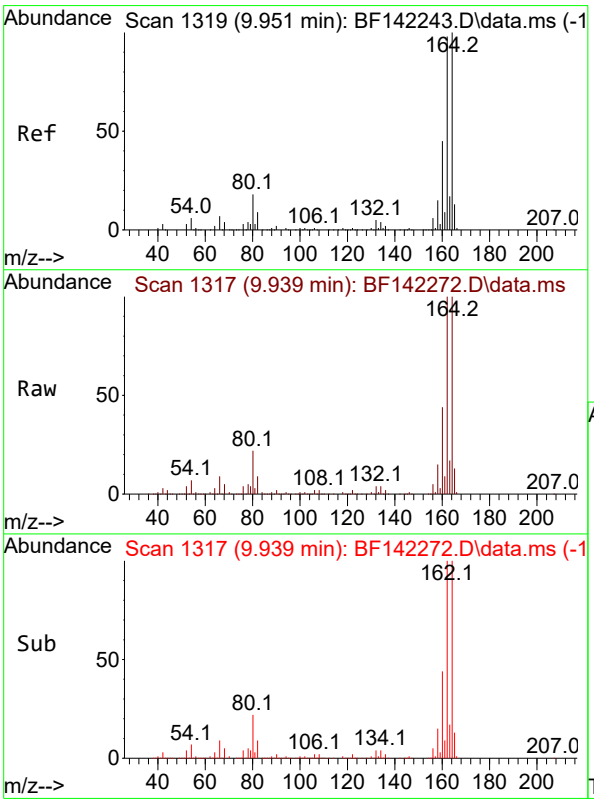
#23
Nitrobenzene-d5
Concen: 56.878 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142272.D
Acq: 01 May 2025 20:49

Instrument :
BNA_F
ClientSampleId :
B-170-SB02

Tgt Ion: 82 Resp: 624188

Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.0	55.6
54	61.4	48.0	72.0

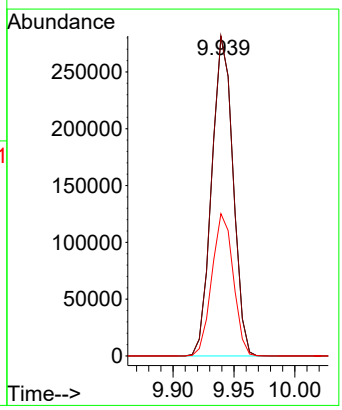


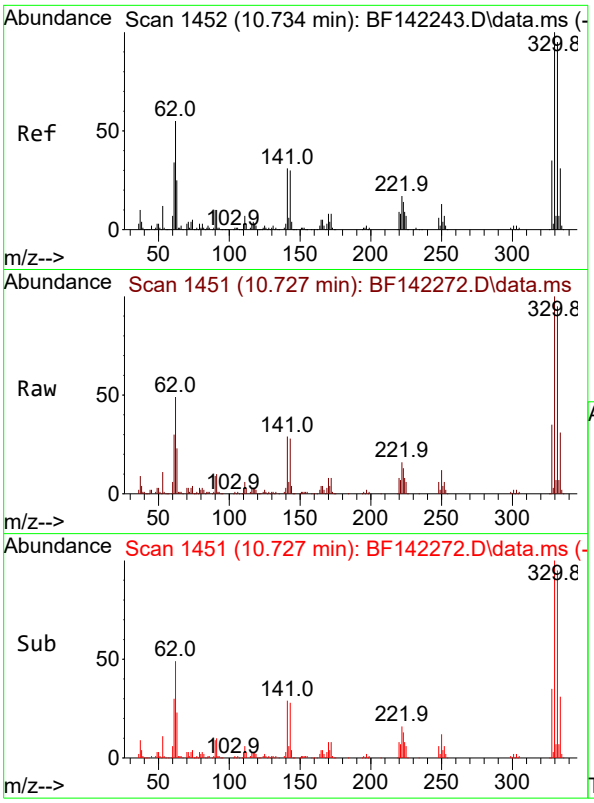


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.012 min
Lab File: BF142272.D
Acq: 01 May 2025 20:49

Tgt Ion:164 Resp: 342220

Ion	Ratio	Lower	Upper
164	100		
162	100.3	78.6	117.8
160	44.6	35.7	53.5



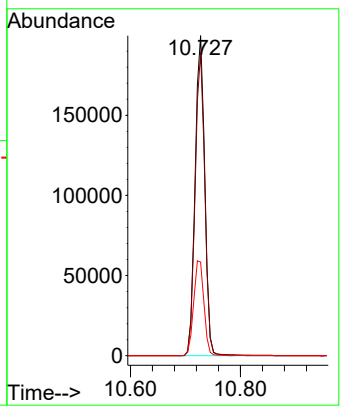


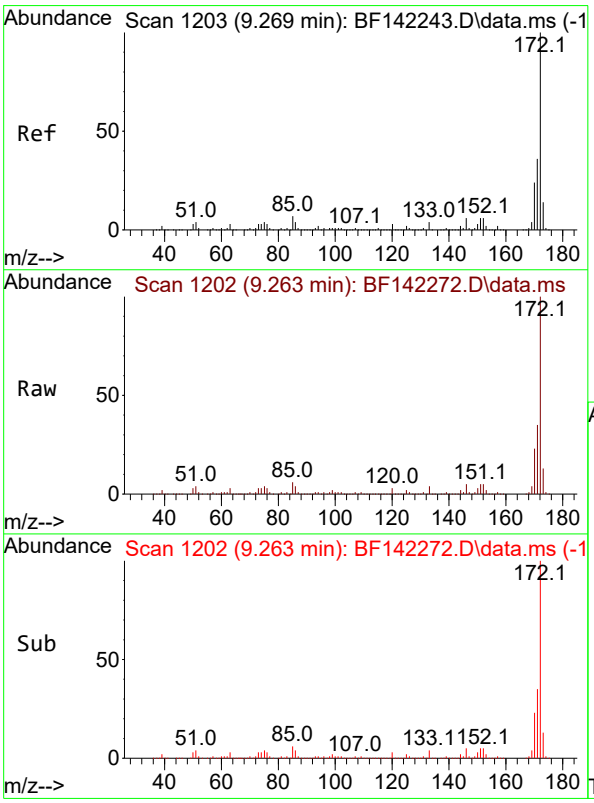
#42
2,4,6-Tribromophenol
Concen: 78.152 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142272.D
Acq: 01 May 2025 20:49

Instrument :
BNA_F
ClientSampleId :
B-170-SB02

Tgt Ion:330 Resp: 243819

Ion	Ratio	Lower	Upper
330	100		
332	94.6	76.5	114.7
141	31.5	24.3	36.5

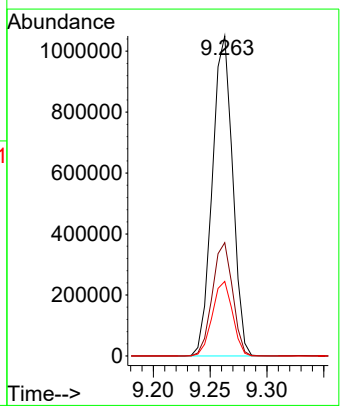


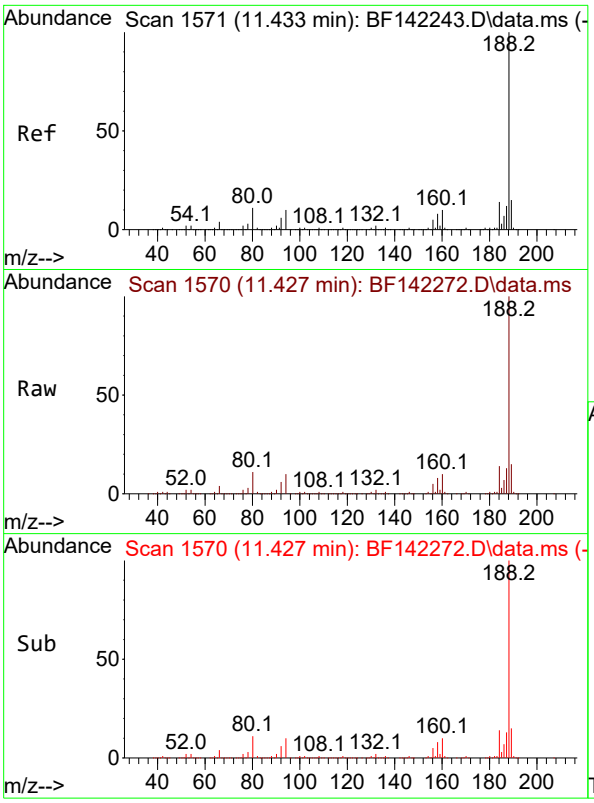


#45
2-Fluorobiphenyl
Concen: 53.848 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF142272.D
Acq: 01 May 2025 20:49

Tgt Ion:172 Resp: 1306976

Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.0	43.4
170	23.3	19.4	29.0



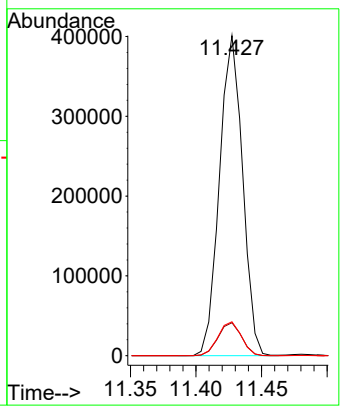


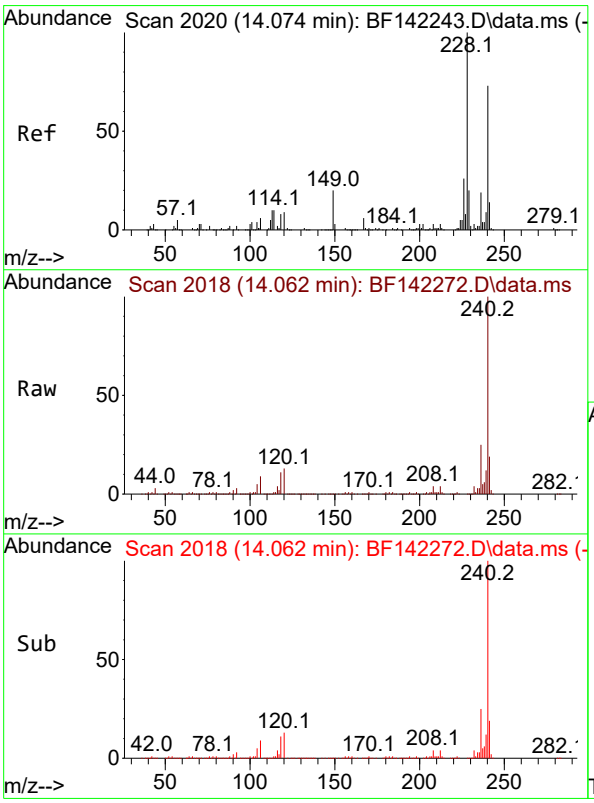
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142272.D
Acq: 01 May 2025 20:49

Instrument :
BNA_F
ClientSampleId :
B-170-SB02

Tgt Ion:188 Resp: 490996

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.2	12.2
80	10.6	8.6	12.8

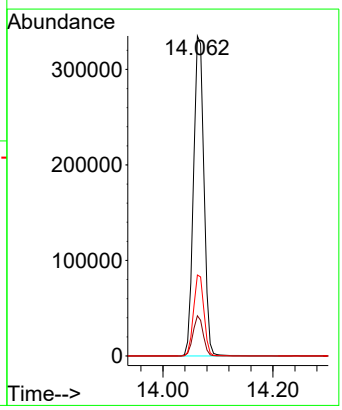


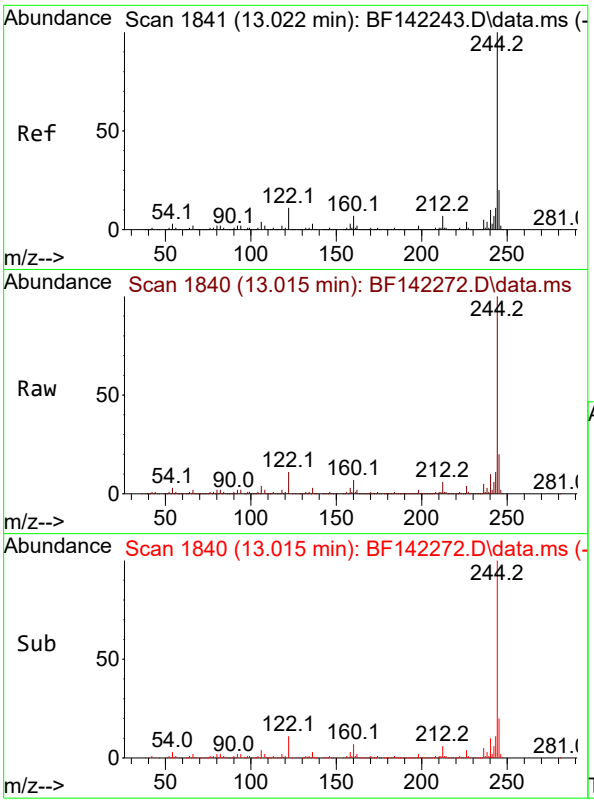


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142272.D
Acq: 01 May 2025 20:49

Tgt Ion:240 Resp: 440399

Ion	Ratio	Lower	Upper
240	100		
120	12.6	10.1	15.1
236	25.3	20.5	30.7



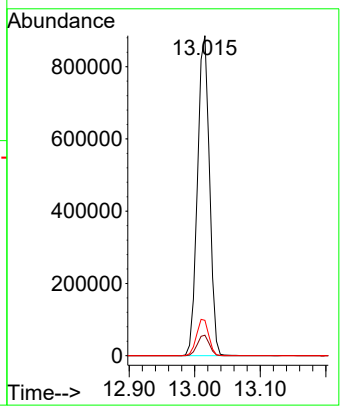


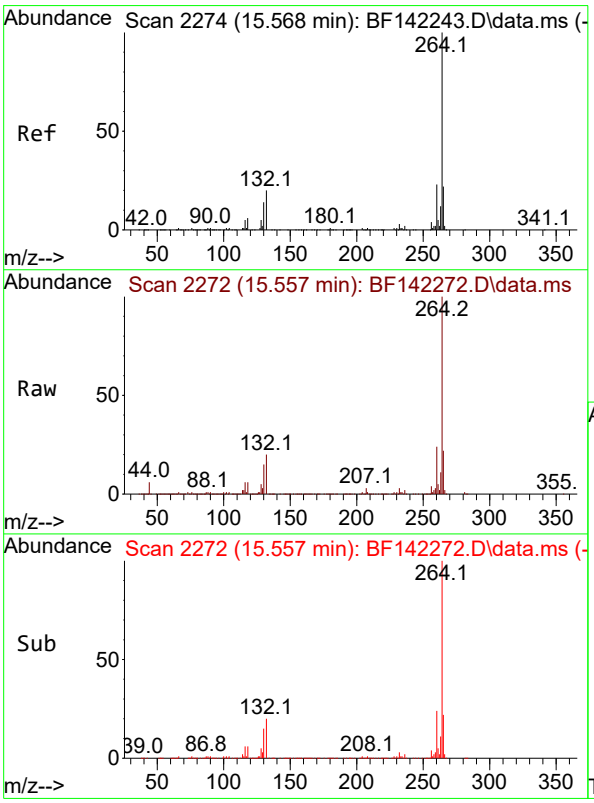
#79
Terphenyl-d14
Concen: 37.382 ng
RT: 13.015 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142272.D
Acq: 01 May 2025 20:49

Instrument :
BNA_F
ClientSampleId :
B-170-SB02

Tgt Ion:244 Resp: 1131952

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.3	7.9
122	11.1	9.1	13.7

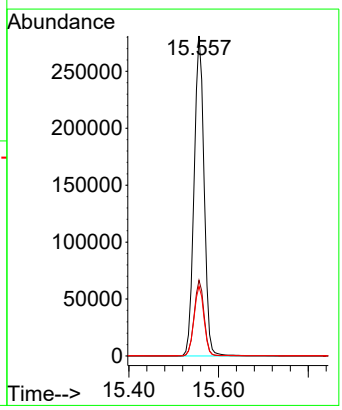




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF142272.D
Acq: 01 May 2025 20:49

Tgt Ion:264 Resp: 434416

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.4	27.6
265	21.7	17.3	25.9



Sample Results: **BF142272.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142272.D
Acq On : 01 May 2025 20:49
Operator : RC/JU
Sample : Q1901-05
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-170-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-BF043025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142272.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.293	10	17	24	rBV2	44972	80056	2.13%	0.288%
2	5.122	489	498	507	rVB	263609	386837	10.32%	1.393%
3	5.516	558	565	570	rBV	2400441	3123321	83.29%	11.246%
4	6.516	729	735	741	rBV	2323821	3199775	85.33%	11.521%
5	6.904	796	801	806	rVB	913621	1137200	30.33%	4.095%
6	7.463	890	896	901	rBV	1579476	1979489	52.79%	7.127%
7	7.716	935	939	944	rBV	65469	76034	2.03%	0.274%
8	8.186	1014	1019	1024	rBV	1212533	1467331	39.13%	5.283%
9	9.263	1196	1202	1207	rBV	2990144	3749811	100.00%	13.502%
10	9.939	1312	1317	1322	rBV	1200507	1459537	38.92%	5.255%
11	10.651	1433	1438	1443	rBV	299506	359688	9.59%	1.295%
12	10.727	1445	1451	1461	rBV	1464188	1880841	50.16%	6.772%
13	11.427	1565	1570	1575	rBV	990758	1217066	32.46%	4.382%
14	11.951	1653	1659	1675	rBV2	161001	285002	7.60%	1.026%
15	12.733	1788	1792	1804	rBV3	33324	55424	1.48%	0.200%
16	13.015	1834	1840	1845	rBV	2352375	3042654	81.14%	10.956%
17	13.586	1934	1937	1946	rVB	27813	40223	1.07%	0.145%
18	13.910	1987	1992	1999	rBV	380813	564954	15.07%	2.034%
19	14.062	2013	2018	2026	rBV	917830	1210102	32.27%	4.357%
20	14.233	2043	2047	2054	rVB	55090	75075	2.00%	0.270%
21	14.545	2095	2100	2107	rBV	325517	511110	13.63%	1.840%
22	14.857	2149	2153	2163	rBV3	44879	83356	2.22%	0.300%
23	15.209	2208	2213	2214	rBV	58686	78458	2.09%	0.282%
24	15.557	2266	2272	2295	rBV	759580	1328743	35.43%	4.784%
25	16.104	2361	2365	2373	rVB3	38630	72767	1.94%	0.262%
26	17.268	2556	2563	2572	rBV4	97242	228053	6.08%	0.821%
27	17.680	2628	2633	2640	rBV5	32860	79884	2.13%	0.288%

Sum of corrected areas: 27772791

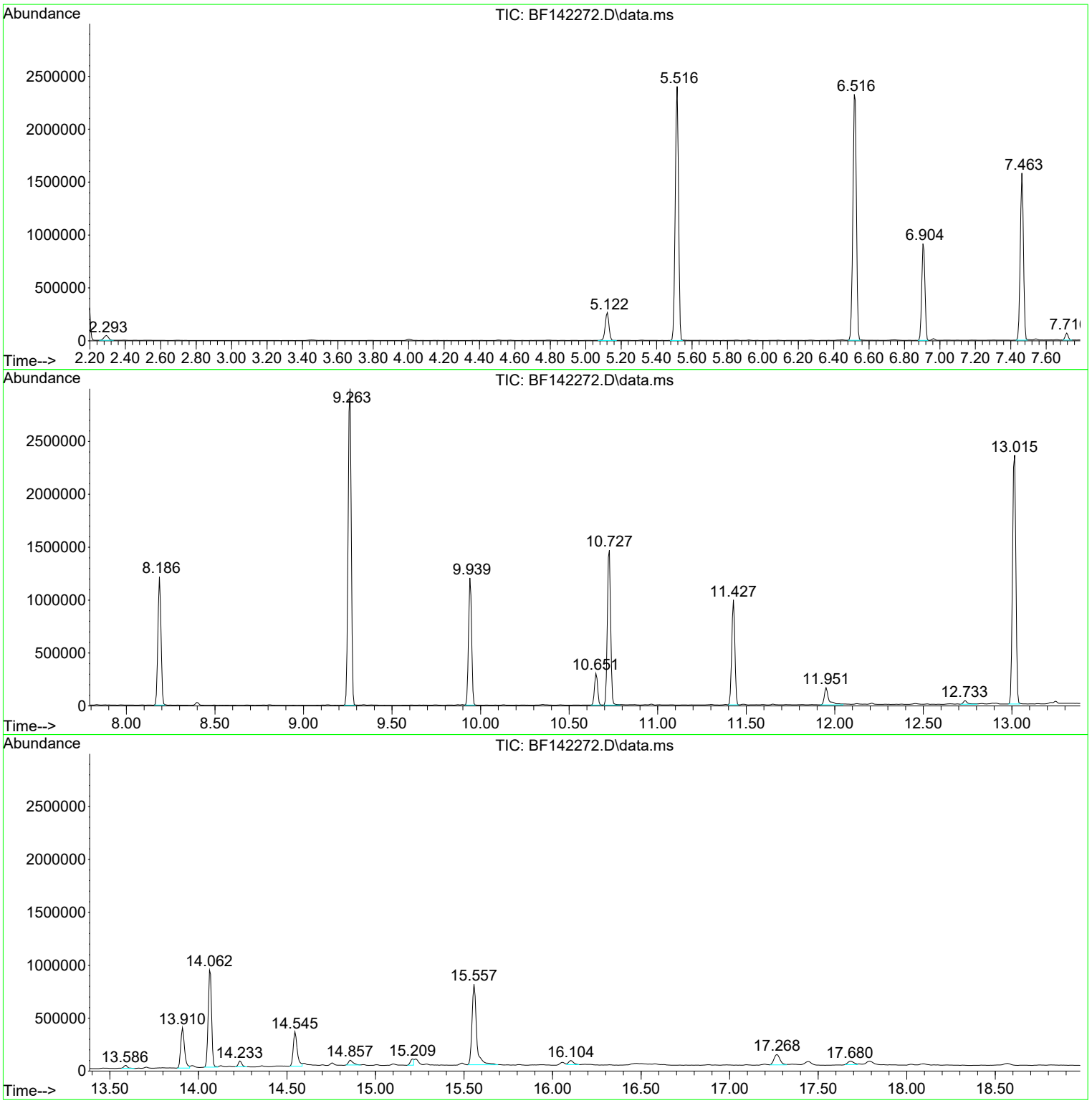
Sample Results: **BF142272.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142272.D
Acq On : 01 May 2025 20:49
Operator : RC/JU
Sample : Q1901-05
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-170-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.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\BF050125\
Data File : BF142272.D
Acq On : 01 May 2025 20:49
Operator : RC/JU
Sample : Q1901-05
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-170-SB02

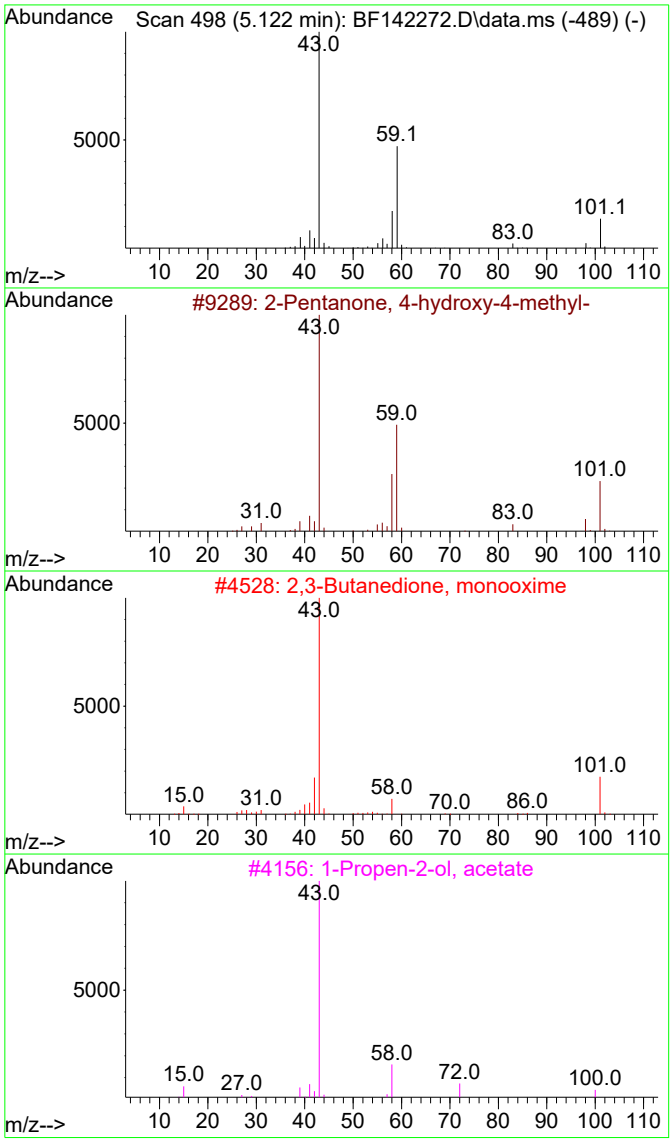
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

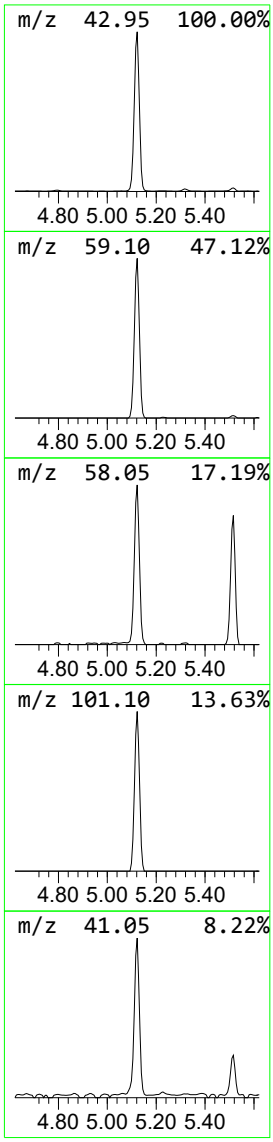
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.122	6.80 ng	386837	1,4-Dichlorobenzene-d4	6.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4	Allyl acetate	100	C5H8O2	000591-87-7	9
5	Acetone	58	C3H6O	000067-64-1	7





Sample Results: **BF142272.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142272.D
Acq On : 01 May 2025 20:49
Operator : RC/JU
Sample : Q1901-05
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-170-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

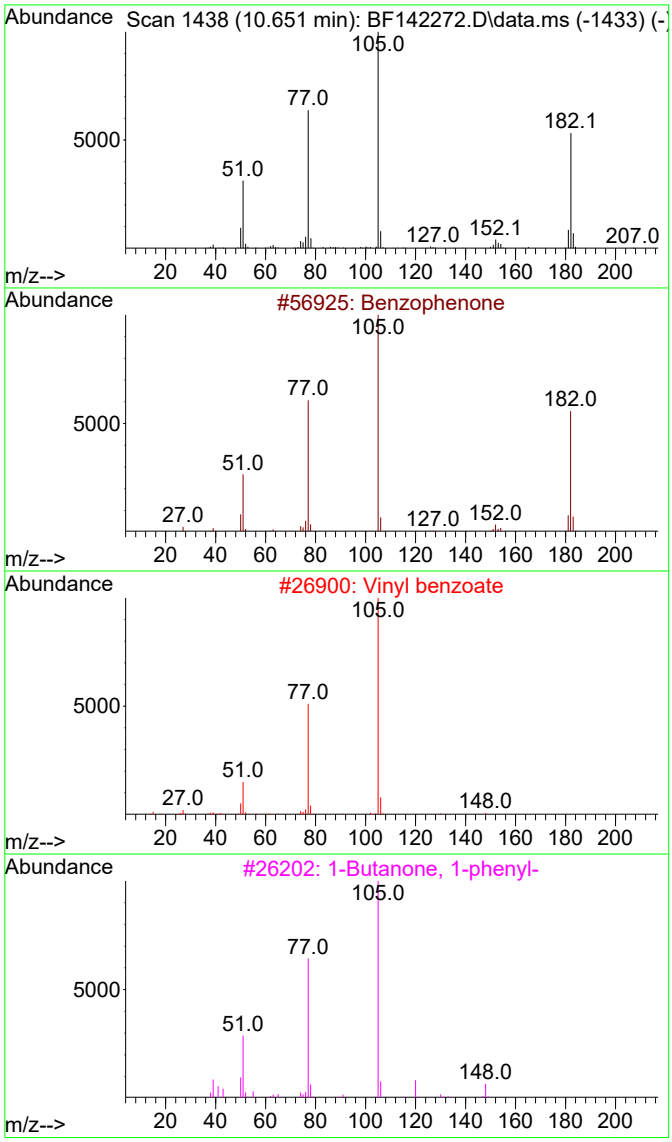
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

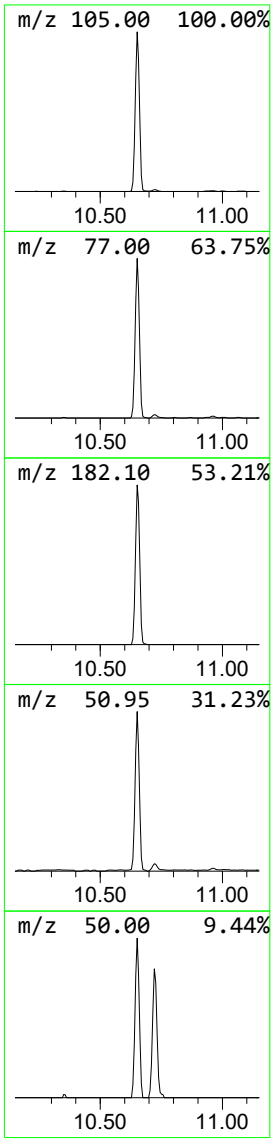
****

Peak Number 2 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.651	4.93 ng	359688	Acenaphthene-d10	9.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Vinyl benzoate	148	C9H8O2	000769-78-8	50
3	1-Butanone, 1-phenyl-	148	C10H12O	000495-40-9	50
4	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	50
5	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142272.D
Acq On : 01 May 2025 20:49
Operator : RC/JU
Sample : Q1901-05
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-170-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

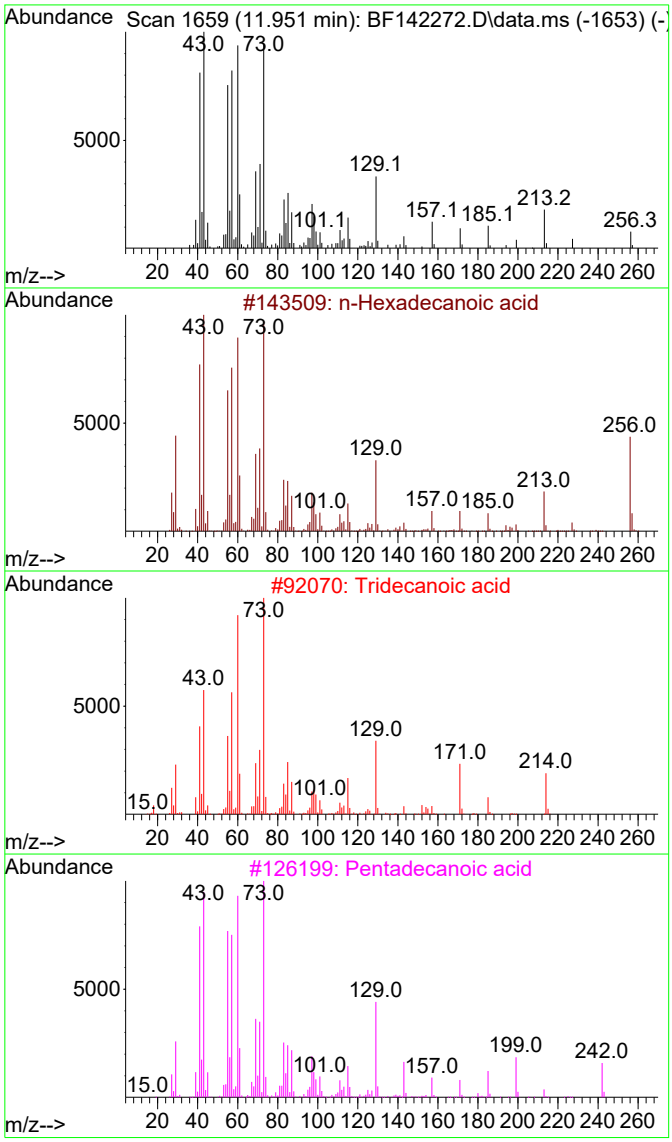
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

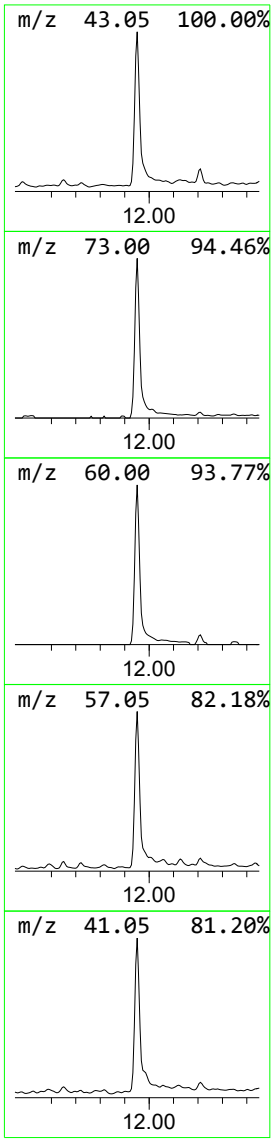
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	4.68 ng	285002	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	91
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5	n-Decanoic acid	172	C10H20O2	000334-48-5	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142272.D
Acq On : 01 May 2025 20:49
Operator : RC/JU
Sample : Q1901-05
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-170-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

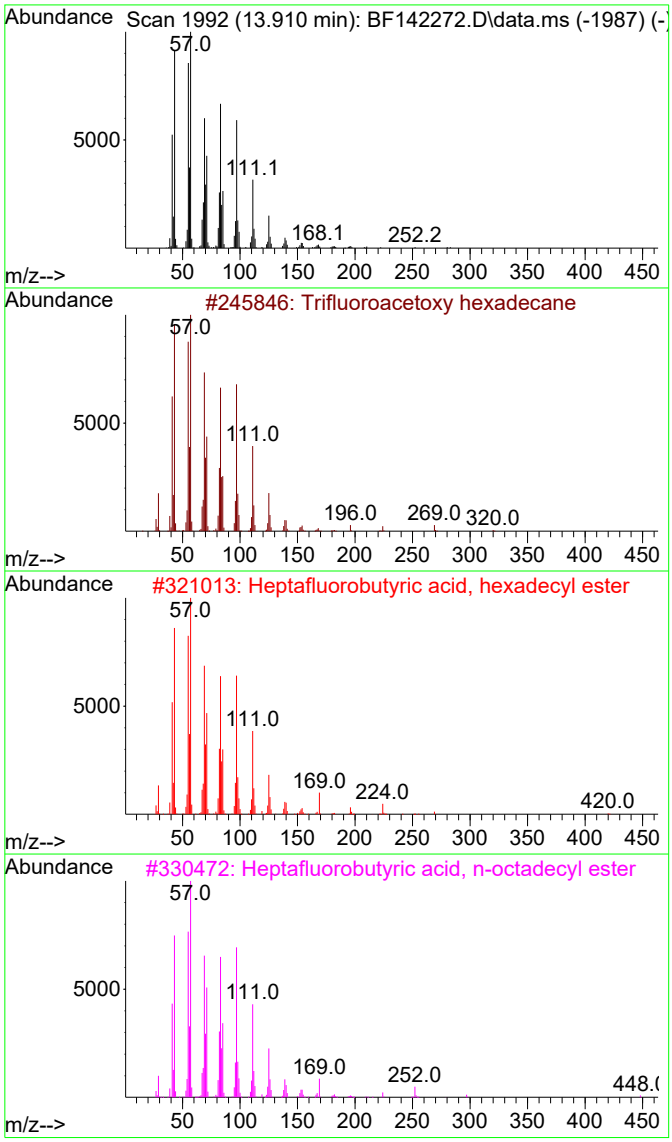
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

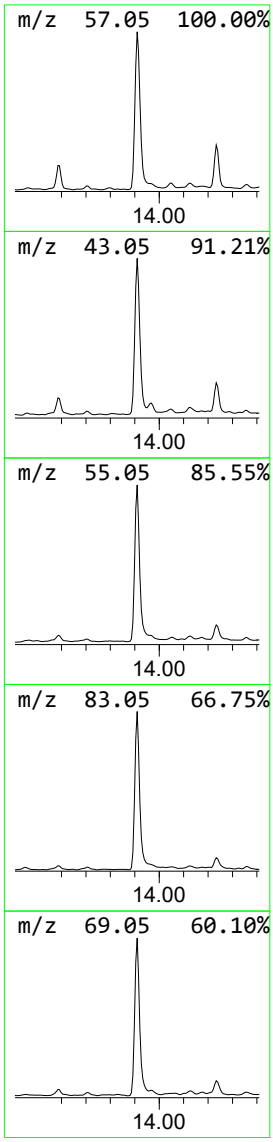
****

Peak Number 4 Trifluoroacetoxy hexadecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.910	9.34 ng	564954	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94
2	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	94
3	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	94
4	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
5	Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142272.D
Acq On : 01 May 2025 20:49
Operator : RC/JU
Sample : Q1901-05
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-170-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

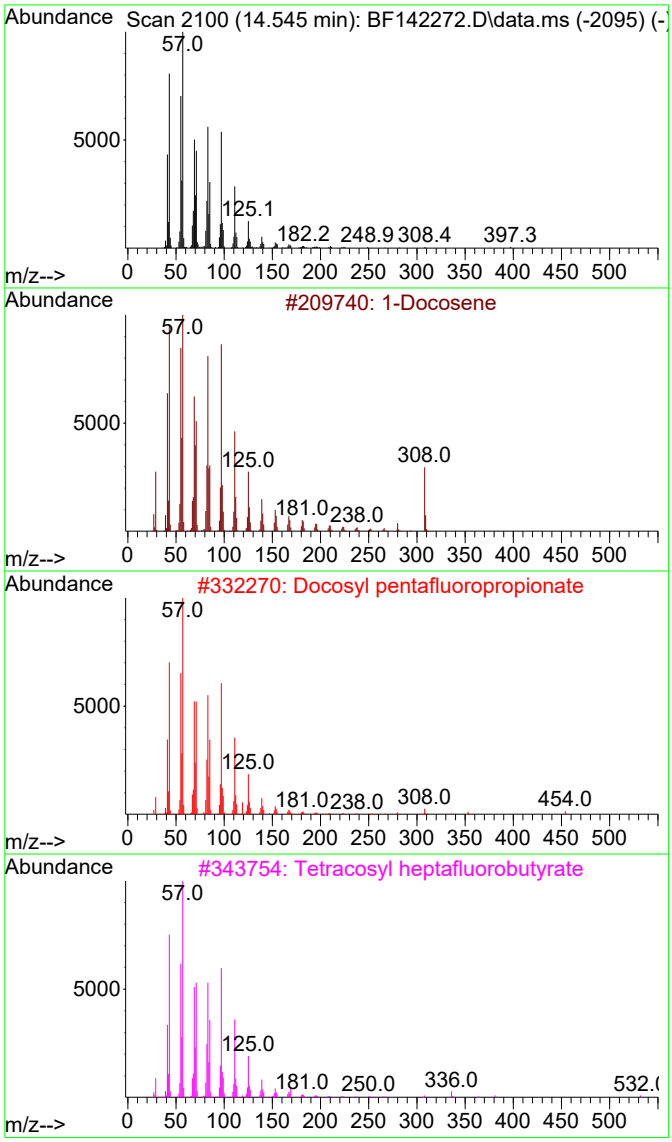
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

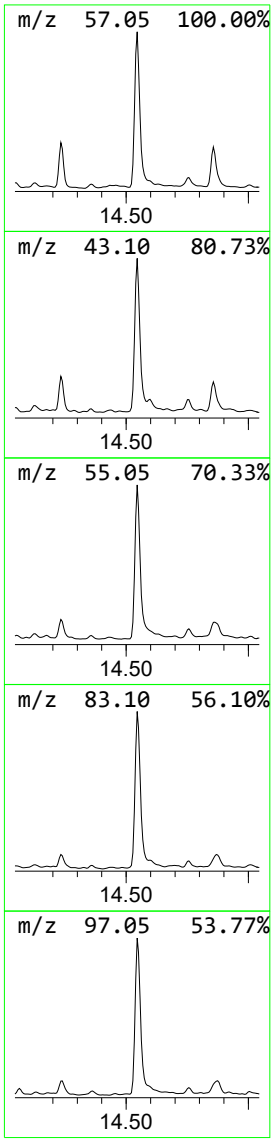
****

Peak Number 5 1-Docosene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.545	8.45 ng	511110	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	98
2	Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	94
3	Tetracosyl heptafluorobutyrate	550	C28H49F7O2	1000351-83-7	94
4	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	94
5	1-Heneicosanol	312	C21H44O	015594-90-8	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142272.D
Acq On : 01 May 2025 20:49
Operator : RC/JU
Sample : Q1901-05
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-170-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

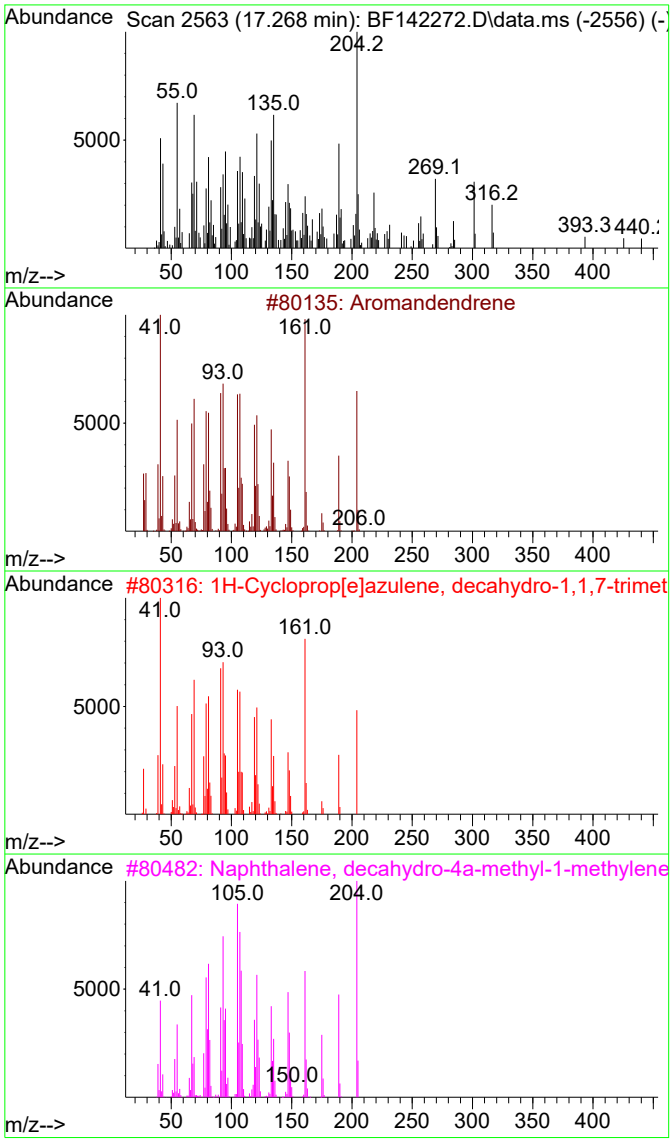
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

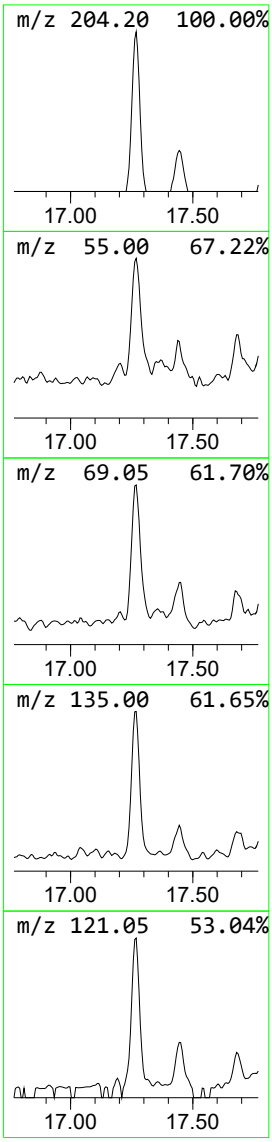
****

Peak Number 6 Aromandendrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.268	3.43 ng	228053	Perylene-d12	15.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Aromandendrene	204	C15H24	000489-39-4	90
2	1H-Cycloprop[e]azulene, decahydr...	204	C15H24	072747-25-2	78
3	Naphthalene, decahydro-4a-methyl...	204	C15H24	017066-67-0	60
4	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	58
5	1H-3a,7-Methanoazulene, octahydr...	204	C15H24	000508-55-4	58





Sample Results: **BF142272.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142272.D
Acq On : 01 May 2025 20:49
Operator : RC/JU
Sample : Q1901-05
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-170-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.122	6.8	ng	386837	1	6.904	1137200	20.0
Benzophenone	10.651	4.9	ng	359688	3	9.939	1459540	20.0
n-Hexadecanoic ...	11.951	4.7	ng	285002	4	11.427	1217070	20.0
Trifluoroacetox...	13.910	9.3	ng	564954	5	14.063	1210100	20.0
1-Docosene	14.545	8.4	ng	511110	5	14.063	1210100	20.0
Aromandendrene	17.268	3.4	ng	228053	6	15.557	1328740	20.0

Raw Data: **BF142267.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:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	FB04262025	SDG No.:	Q1901
Lab Sample ID:	Q1901-06	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	940 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
BF142267.D	1	04/30/25 08:35	05/01/25 18:26	PB167798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.20	U	4.20	10.6	ug/L
108-95-2	Phenol	0.97	U	0.97	5.30	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.86	U	0.86	5.30	ug/L
95-57-8	2-Chlorophenol	0.62	U	0.62	5.30	ug/L
95-48-7	2-Methylphenol	1.20	U	1.20	5.30	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1.40	5.30	ug/L
98-86-2	Acetophenone	0.79	U	0.79	5.30	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.6	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.70	ug/L
67-72-1	Hexachloroethane	0.69	U	0.69	5.30	ug/L
98-95-3	Nitrobenzene	0.81	U	0.81	5.30	ug/L
78-59-1	Isophorone	0.80	U	0.80	5.30	ug/L
88-75-5	2-Nitrophenol	1.90	U	1.90	5.30	ug/L
105-67-9	2,4-Dimethylphenol	2.00	U	2.00	5.30	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.72	U	0.72	5.30	ug/L
120-83-2	2,4-Dichlorophenol	0.55	U	0.55	5.30	ug/L
91-20-3	Naphthalene	0.53	U	0.53	5.30	ug/L
106-47-8	4-Chloroaniline	0.89	UQ	0.89	5.30	ug/L
87-68-3	Hexachlorobutadiene	0.57	U	0.57	5.30	ug/L
105-60-2	Caprolactam	1.20	U	1.20	10.6	ug/L
59-50-7	4-Chloro-3-methylphenol	0.63	U	0.63	5.30	ug/L
91-57-6	2-Methylnaphthalene	0.60	U	0.60	5.30	ug/L
77-47-4	Hexachlorocyclopentadiene	3.90	U	3.90	10.6	ug/L
88-06-2	2,4,6-Trichlorophenol	0.54	U	0.54	5.30	ug/L
95-95-4	2,4,5-Trichlorophenol	0.66	U	0.66	5.30	ug/L
92-52-4	1,1-Biphenyl	0.56	U	0.56	5.30	ug/L
91-58-7	2-Chloronaphthalene	0.65	U	0.65	5.30	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.30	ug/L
131-11-3	Dimethylphthalate	0.65	U	0.65	5.30	ug/L

Raw Data: **BF142267.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:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	FB04262025	SDG No.:	Q1901
Lab Sample ID:	Q1901-06	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	940 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
BF142267.D	1	04/30/25 08:35	05/01/25 18:26	PB167798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.80	U	0.80	5.30	ug/L
606-20-2	2,6-Dinitrotoluene	0.98	U	0.98	5.30	ug/L
99-09-2	3-Nitroaniline	1.10	UQ	1.10	5.30	ug/L
83-32-9	Acenaphthene	0.59	U	0.59	5.30	ug/L
51-28-5	2,4-Dinitrophenol	6.40	U	6.40	10.6	ug/L
100-02-7	4-Nitrophenol	2.50	U	2.50	10.6	ug/L
132-64-9	Dibenzofuran	0.65	U	0.65	5.30	ug/L
121-14-2	2,4-Dinitrotoluene	1.30	U	1.30	5.30	ug/L
84-66-2	Diethylphthalate	0.73	U	0.73	5.30	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.72	U	0.72	5.30	ug/L
86-73-7	Fluorene	0.67	U	0.67	5.30	ug/L
100-01-6	4-Nitroaniline	1.60	U	1.60	5.30	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.10	U	3.10	10.6	ug/L
86-30-6	n-Nitrosodiphenylamine	0.62	U	0.62	5.30	ug/L
101-55-3	4-Bromophenyl-phenylether	0.43	U	0.43	5.30	ug/L
118-74-1	Hexachlorobenzene	0.55	U	0.55	5.30	ug/L
1912-24-9	Atrazine	1.10	U	1.10	5.30	ug/L
87-86-5	Pentachlorophenol	1.70	U	1.70	10.6	ug/L
85-01-8	Phenanthrene	0.53	U	0.53	5.30	ug/L
120-12-7	Anthracene	0.65	U	0.65	5.30	ug/L
86-74-8	Carbazole	0.77	U	0.77	5.30	ug/L
84-74-2	Di-n-butylphthalate	1.30	U	1.30	5.30	ug/L
206-44-0	Fluoranthene	0.87	U	0.87	5.30	ug/L
129-00-0	Pyrene	0.53	U	0.53	5.30	ug/L
85-68-7	Butylbenzylphthalate	2.10	U	2.10	5.30	ug/L
91-94-1	3,3-Dichlorobenzidine	0.99	UQ	0.99	10.6	ug/L
56-55-3	Benzo(a)anthracene	0.48	U	0.48	5.30	ug/L
218-01-9	Chrysene	0.47	U	0.47	5.30	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.70	U	1.70	5.30	ug/L
117-84-0	Di-n-octyl phthalate	2.50	U	2.50	10.6	ug/L
205-99-2	Benzo(b)fluoranthene	0.52	U	0.52	5.30	ug/L

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:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	FB04262025	SDG No.:	Q1901
Lab Sample ID:	Q1901-06	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	940 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
BF142267.D	1	04/30/25 08:35	05/01/25 18:26	PB167798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.51	U	0.51	5.30	ug/L
50-32-8	Benzo(a)pyrene	0.59	U	0.59	5.30	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.63	U	0.63	5.30	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.71	U	0.71	5.30	ug/L
191-24-2	Benzo(g,h,i)perylene	0.73	U	0.73	5.30	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.55	U	0.55	5.30	ug/L
123-91-1	1,4-Dioxane	1.10	U	1.10	5.30	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.77	U	0.77	5.30	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	53.2		15 (10) - 110 (139)	35%	SPK: 150
13127-88-3	Phenol-d6	32.1		15 (10) - 110 (134)	21%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.8		30 (49) - 130 (133)	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.0		30 (52) - 130 (132)	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	120		15 (44) - 110 (137)	80%	SPK: 150
1718-51-0	Terphenyl-d14	59.1		30 (48) - 130 (125)	59%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	201000	6.904			
1146-65-2	Naphthalene-d8	750000	8.187			
15067-26-2	Acenaphthene-d10	355000	9.939			
1517-22-2	Phenanthrene-d10	507000	11.428			
1719-03-5	Chrysene-d12	448000	14.069			
1520-96-3	Perylene-d12	425000	15.557			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.90	AB		5.12	ug/L
000106-62-7	1-Propanol, 2-(2-hydroxypropoxy)-	3.10	J		8.43	ug/L

Raw Data: **BF142267.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:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	FB04262025	SDG No.:	Q1901
Lab Sample ID:	Q1901-06	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	940 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
BF142267.D	1	04/30/25 08:35	05/01/25 18:26	PB167798

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\BF050125\
Data File : BF142267.D
Acq On : 01 May 2025 18:26
Operator : RC/JU
Sample : Q1901-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB04262025

Quant Time: May 02 01:07:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

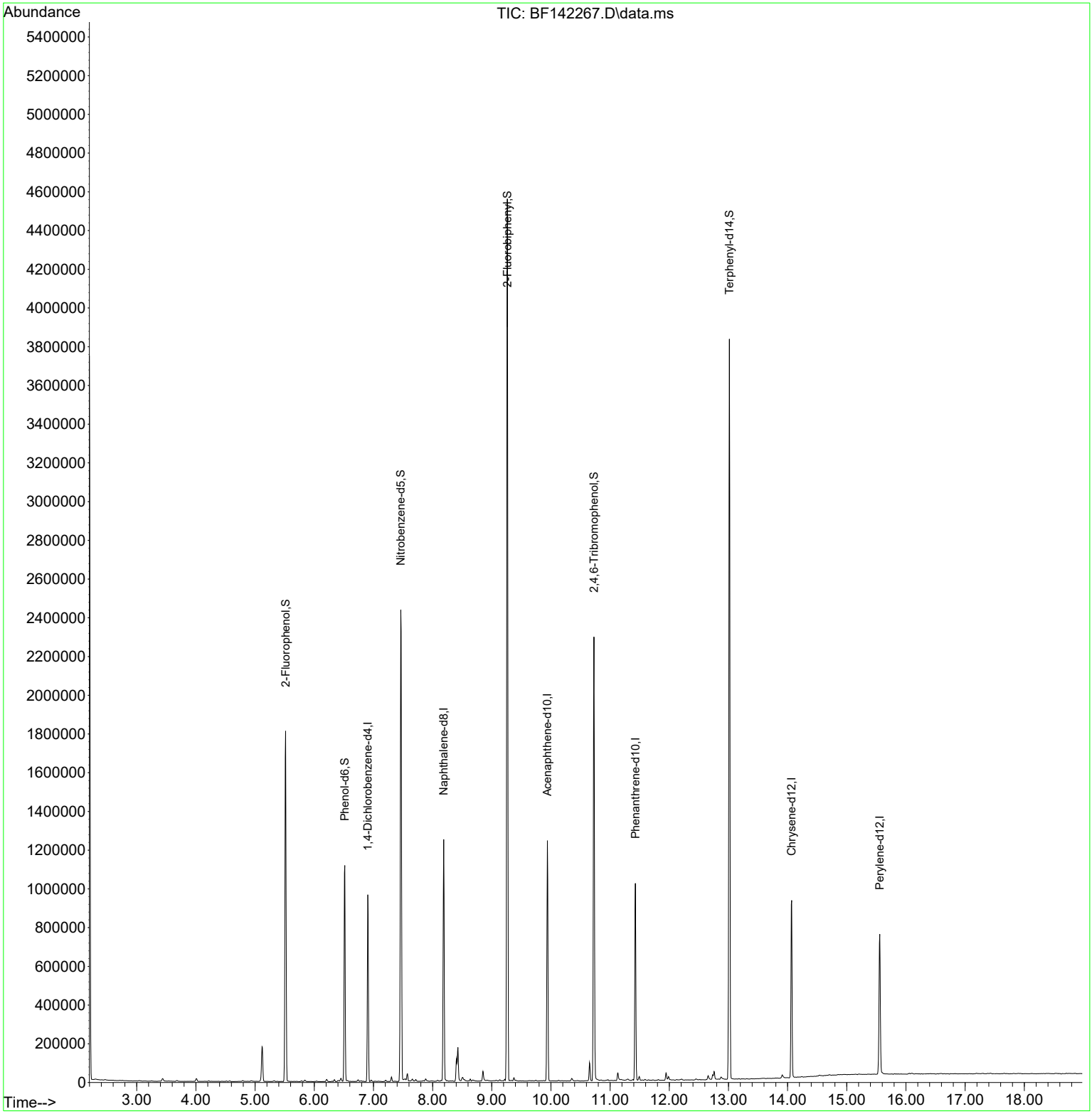
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	201475	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	750141	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	355308	20.000	ng	-0.01
64) Phenanthrene-d10	11.428	188	506536	20.000	ng	0.00
76) Chrysene-d12	14.069	240	447799	20.000	ng	0.00
86) Perylene-d12	15.557	264	425092	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	671365	53.218	ng	0.00
7) Phenol-d6	6.516	99	488672	32.078	ng	-0.01
23) Nitrobenzene-d5	7.463	82	1036374	90.766	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	387463	119.620	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2015860	79.995	ng	0.00
79) Terphenyl-d14	13.016	244	1820619	59.132	ng	0.00
Target Compounds						Qvalue

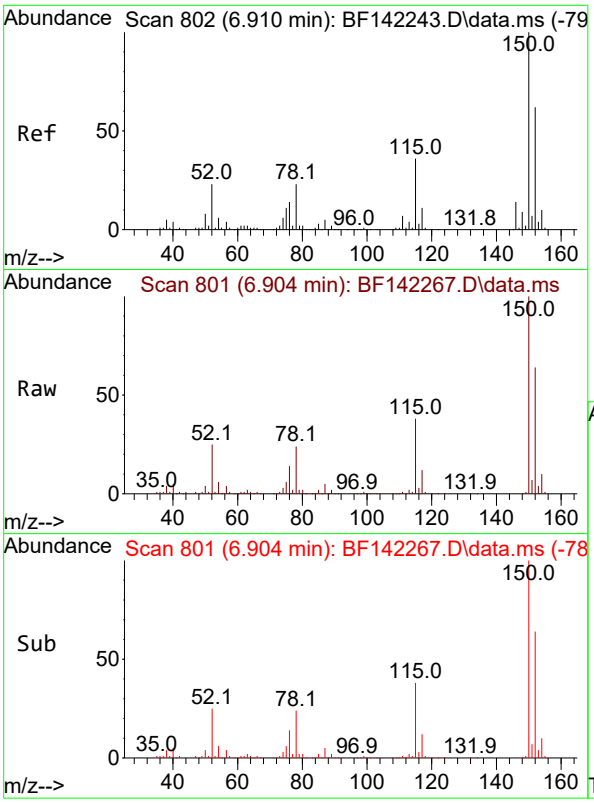
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142267.D
Acq On : 01 May 2025 18:26
Operator : RC/JU
Sample : Q1901-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB04262025

Quant Time: May 02 01:07:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration



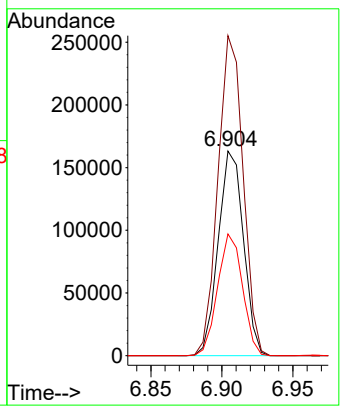


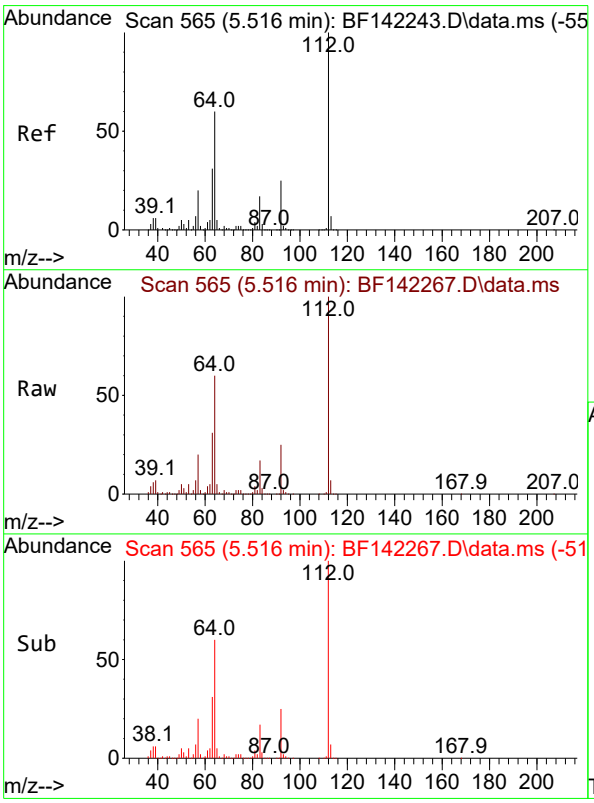
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142267.D
Acq: 01 May 2025 18:26

Instrument :
BNA_F
ClientSampleId :
FB04262025

Tgt Ion:152 Resp: 201475

Ion	Ratio	Lower	Upper
152	100		
150	156.4	130.2	195.2
115	59.5	47.0	70.4

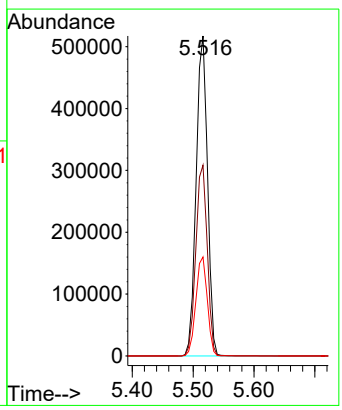


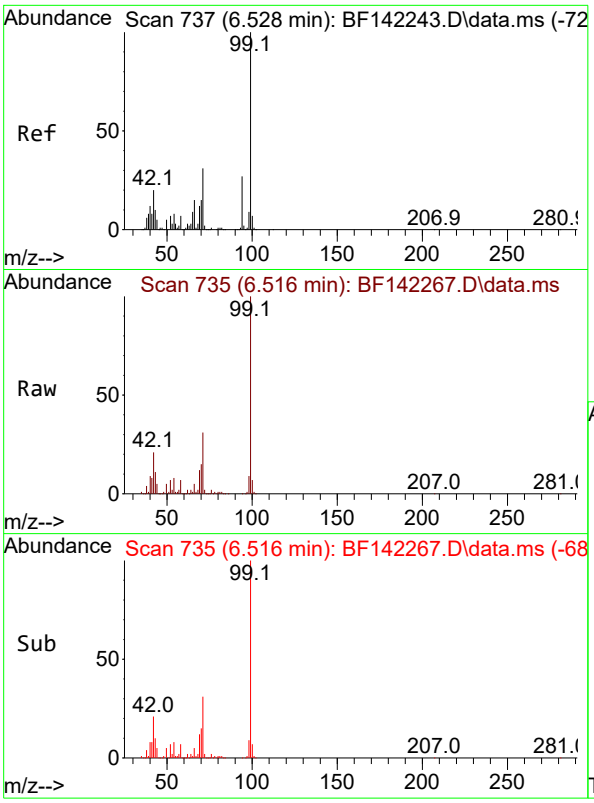


#5
2-Fluorophenol
Concen: 53.218 ng
RT: 5.516 min Scan# 565
Delta R.T. -0.000 min
Lab File: BF142267.D
Acq: 01 May 2025 18:26

Tgt Ion:112 Resp: 671365

Ion	Ratio	Lower	Upper
112	100		
64	59.6	48.4	72.6
63	31.0	24.8	37.2



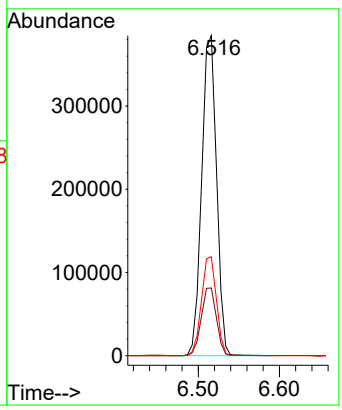


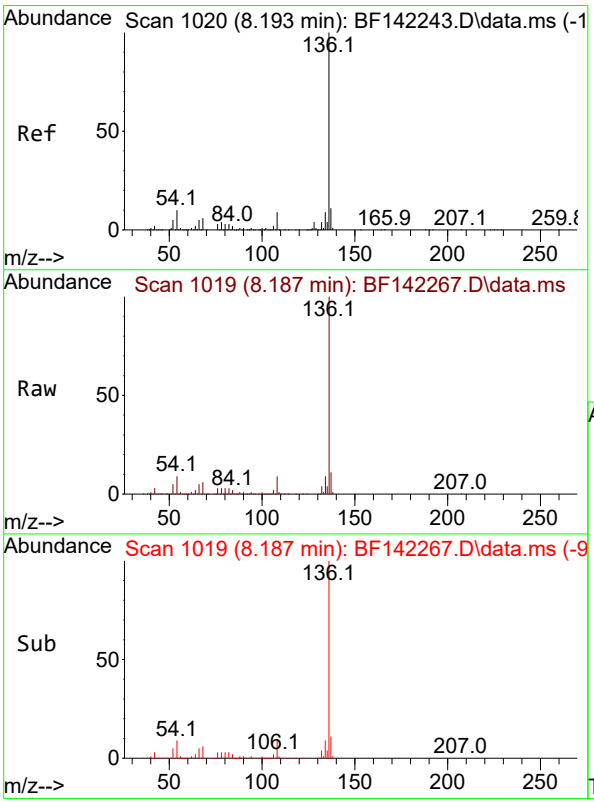
#7
Phenol-d6
Concen: 32.078 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142267.D
Acq: 01 May 2025 18:26

Instrument :
BNA_F
ClientSampleId :
FB04262025

Tgt Ion: 99 Resp: 488672

Ion	Ratio	Lower	Upper
99	100		
42	21.1	16.3	24.5
71	30.9	25.0	37.4

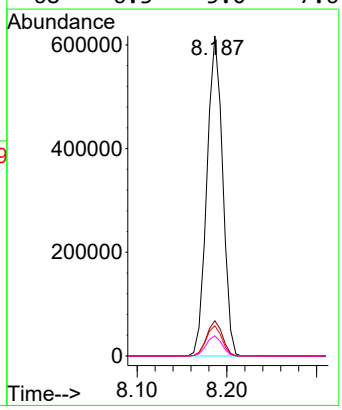


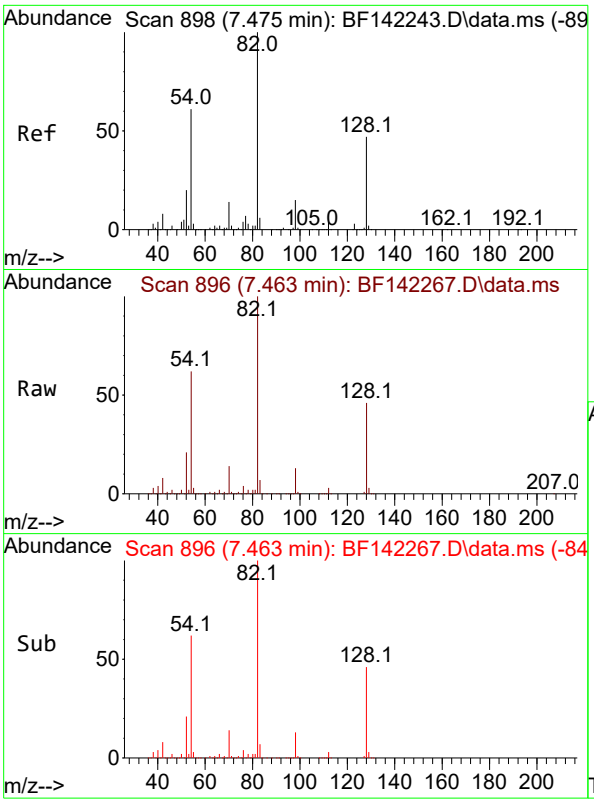


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142267.D
Acq: 01 May 2025 18:26

Tgt Ion:136 Resp: 750141

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	9.4	7.7	11.5
68	6.3	5.0	7.6



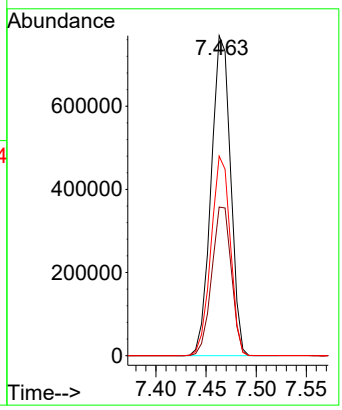


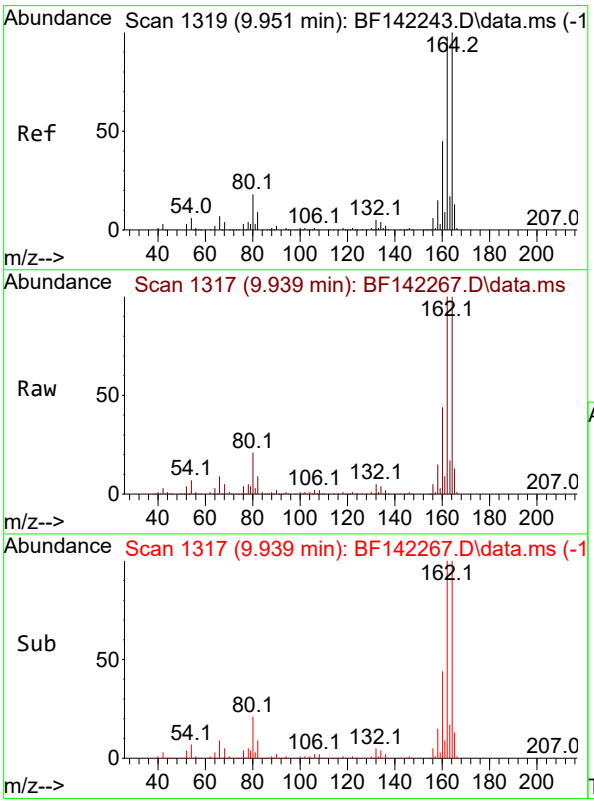
#23
Nitrobenzene-d5
Concen: 90.766 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142267.D
Acq: 01 May 2025 18:26

Instrument :
BNA_F
ClientSampleId :
FB04262025

Tgt Ion: 82 Resp: 1036374

Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.0	55.6
54	62.4	48.0	72.0

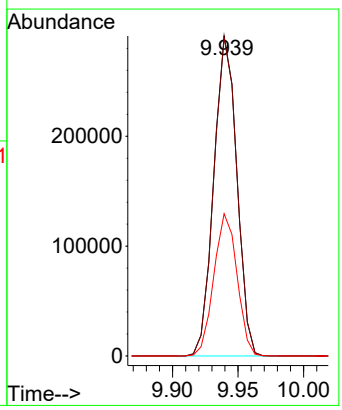


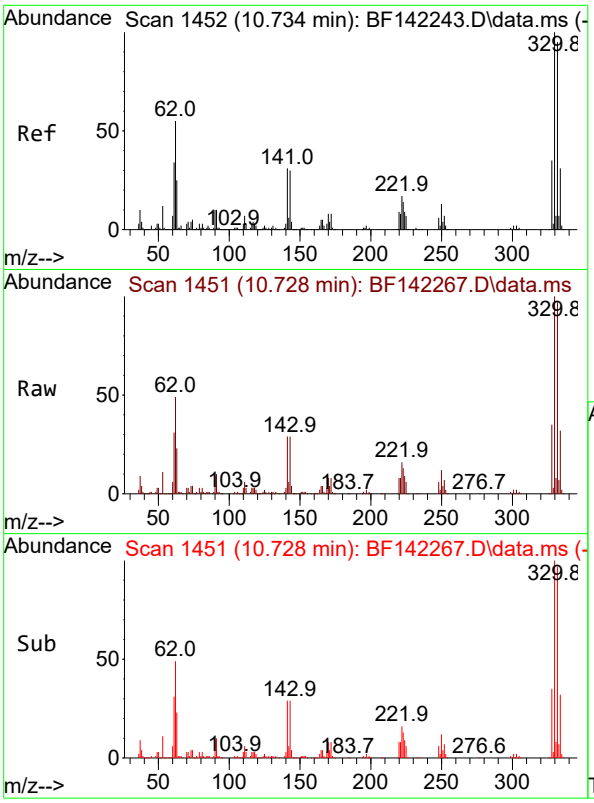


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.012 min
Lab File: BF142267.D
Acq: 01 May 2025 18:26

Tgt Ion:164 Resp: 355308

Ion	Ratio	Lower	Upper
164	100		
162	99.5	78.6	117.8
160	44.5	35.7	53.5



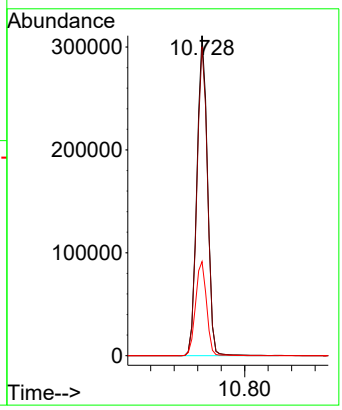


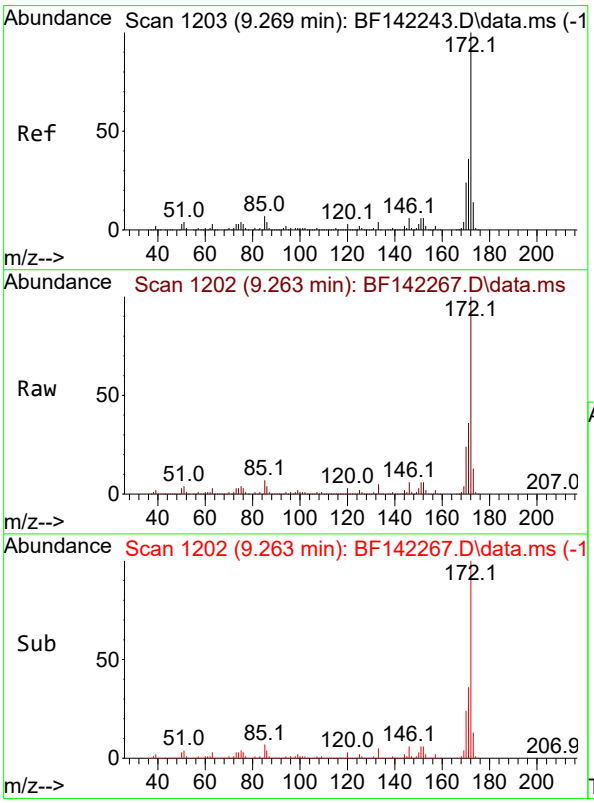
#42
2,4,6-Tribromophenol
Concen: 119.620 ng
RT: 10.728 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142267.D
Acq: 01 May 2025 18:26

Instrument :
BNA_F
ClientSampleId :
FB04262025

Tgt Ion:330 Resp: 387463

Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.5	114.7
141	30.6	24.3	36.5

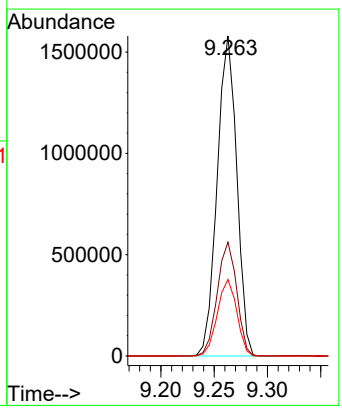


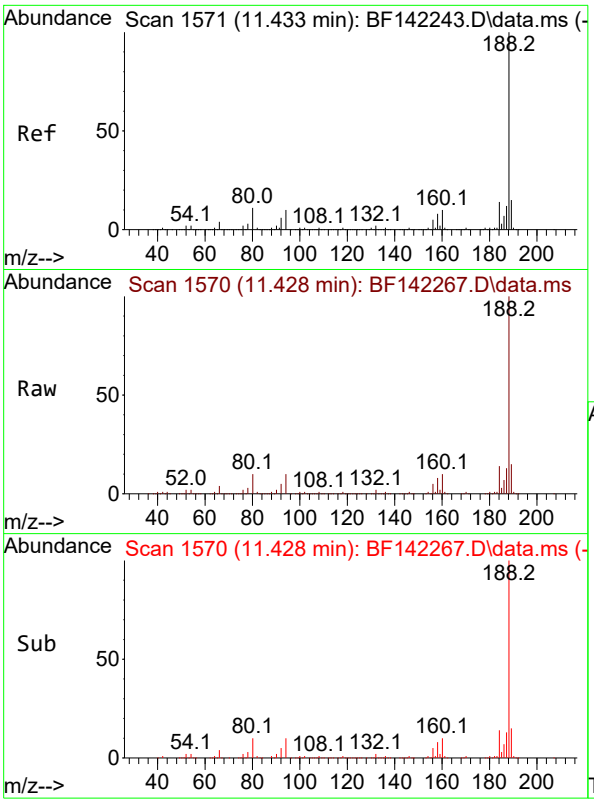


#45
2-Fluorobiphenyl
Concen: 79.995 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF142267.D
Acq: 01 May 2025 18:26

Tgt Ion:172 Resp: 2015860

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.0	43.4
170	23.9	19.4	29.0



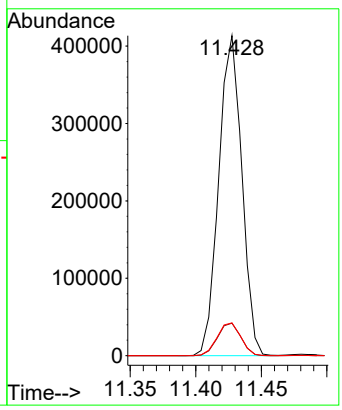


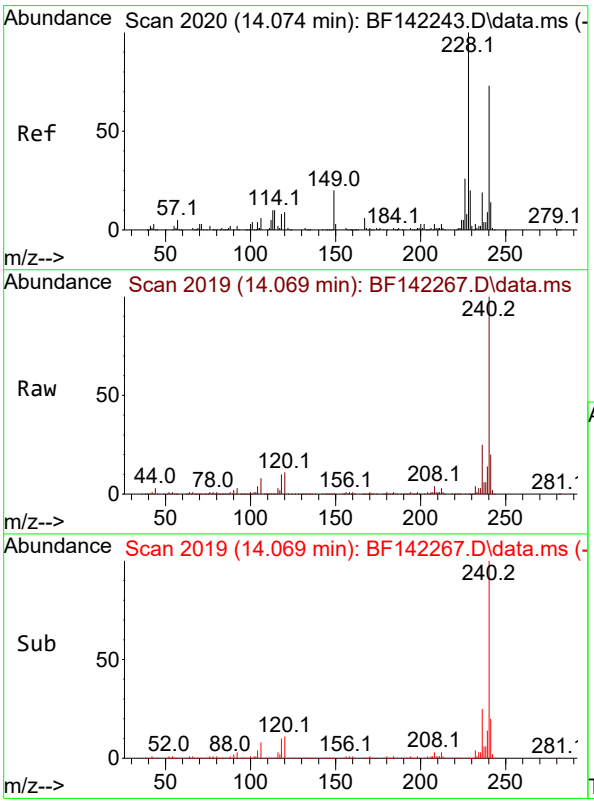
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142267.D
Acq: 01 May 2025 18:26

Instrument :
BNA_F
ClientSampleId :
FB04262025

Tgt Ion:188 Resp: 506536

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.2	12.2
80	10.3	8.6	12.8

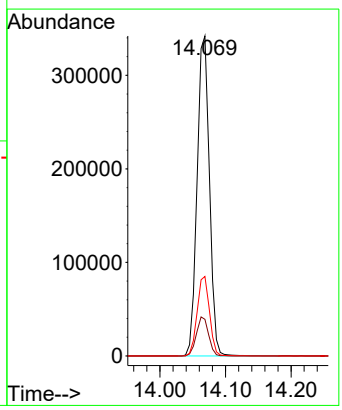


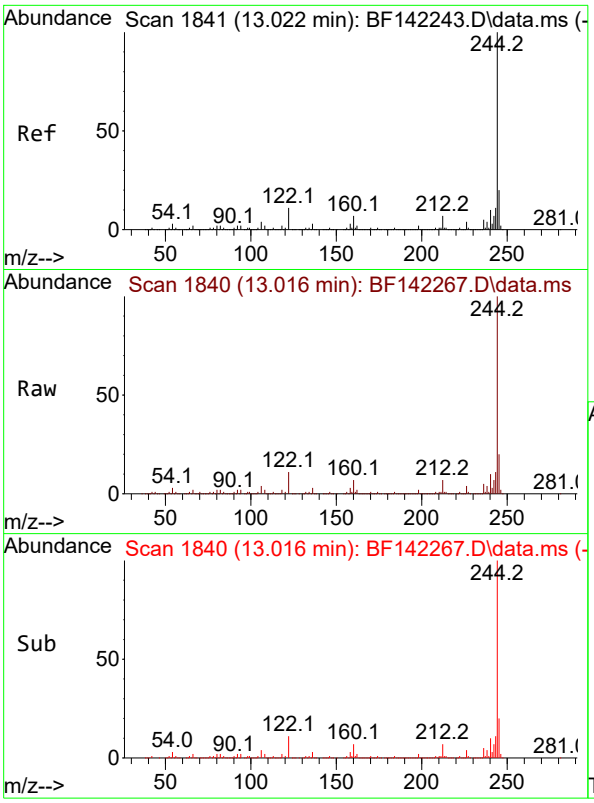


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142267.D
Acq: 01 May 2025 18:26

Tgt Ion:240 Resp: 447799

Ion	Ratio	Lower	Upper
240	100		
120	11.4	10.1	15.1
236	24.9	20.5	30.7



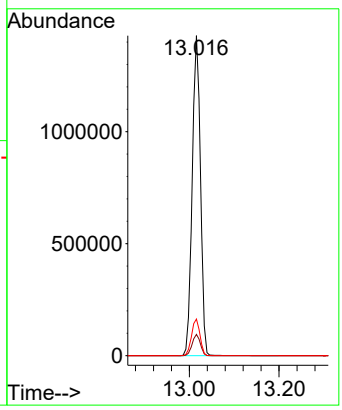


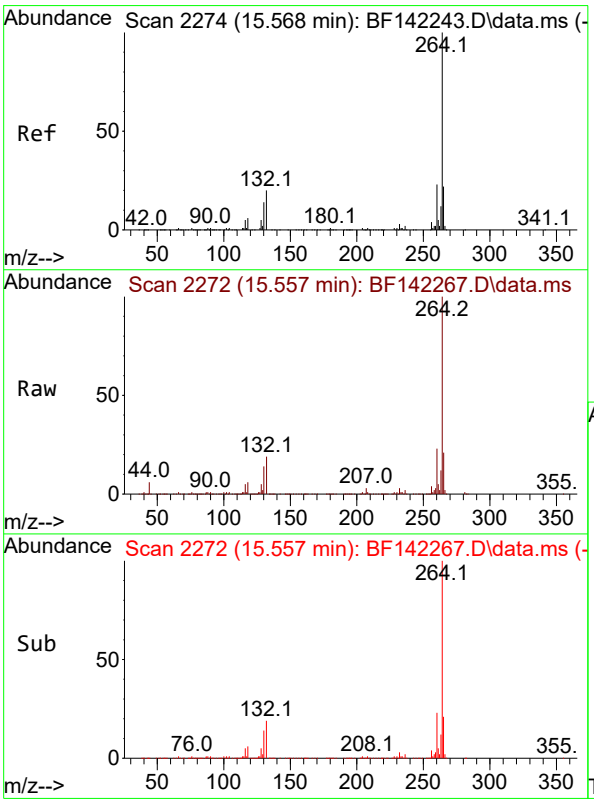
#79
Terphenyl-d14
Concen: 59.132 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142267.D
Acq: 01 May 2025 18:26

Instrument :
BNA_F
ClientSampleId :
FB04262025

Tgt Ion:244 Resp: 1820619

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	11.5	9.1	13.7

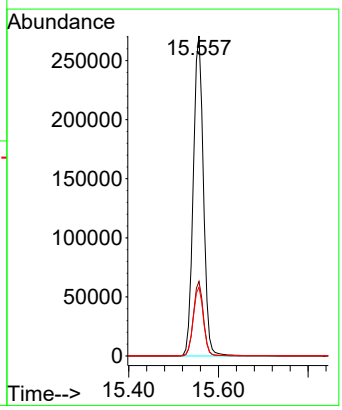




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF142267.D
Acq: 01 May 2025 18:26

Tgt Ion:264 Resp: 425092

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.4	27.6
265	21.5	17.3	25.9



Sample Results: **BF142267.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142267.D
Acq On : 01 May 2025 18:26
Operator : RC/JU
Sample : Q1901-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB04262025

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-BF043025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142267.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.116	487	497	504	rVB	178676	268667	4.62%	0.914%
2	5.516	559	565	570	rBV	1809341	2362210	40.64%	8.034%
3	6.516	729	735	740	rBV	1114459	1428083	24.57%	4.857%
4	6.904	796	801	806	rBV	964357	1179363	20.29%	4.011%
5	7.463	890	896	901	rBV	2434953	3301525	56.80%	11.228%
6	8.187	1014	1019	1024	rBV	1245615	1516234	26.09%	5.157%
7	8.404	1051	1056	1057	rBV	116729	135922	2.34%	0.462%
8	8.428	1057	1060	1068	rVB	172837	220515	3.79%	0.750%
9	8.851	1127	1132	1141	rBV	49152	74664	1.28%	0.254%
10	9.263	1196	1202	1207	rVB	4554455	5812474	100.00%	19.768%
11	9.939	1312	1317	1322	rBV	1239659	1516361	26.09%	5.157%
12	10.651	1433	1438	1445	rVB	93247	116058	2.00%	0.395%
13	10.728	1445	1451	1456	rBV	2292327	2924219	50.31%	9.945%
14	11.128	1515	1519	1526	rBV	39600	62616	1.08%	0.213%
15	11.428	1565	1570	1575	rBV	1016846	1249501	21.50%	4.249%
16	13.016	1834	1840	1845	rBV	3822611	4879893	83.96%	16.596%
17	14.069	2013	2019	2027	rBV	915794	1217833	20.95%	4.142%
18	15.557	2265	2272	2286	rBV	722425	1137521	19.57%	3.869%

Sum of corrected areas: 29403659

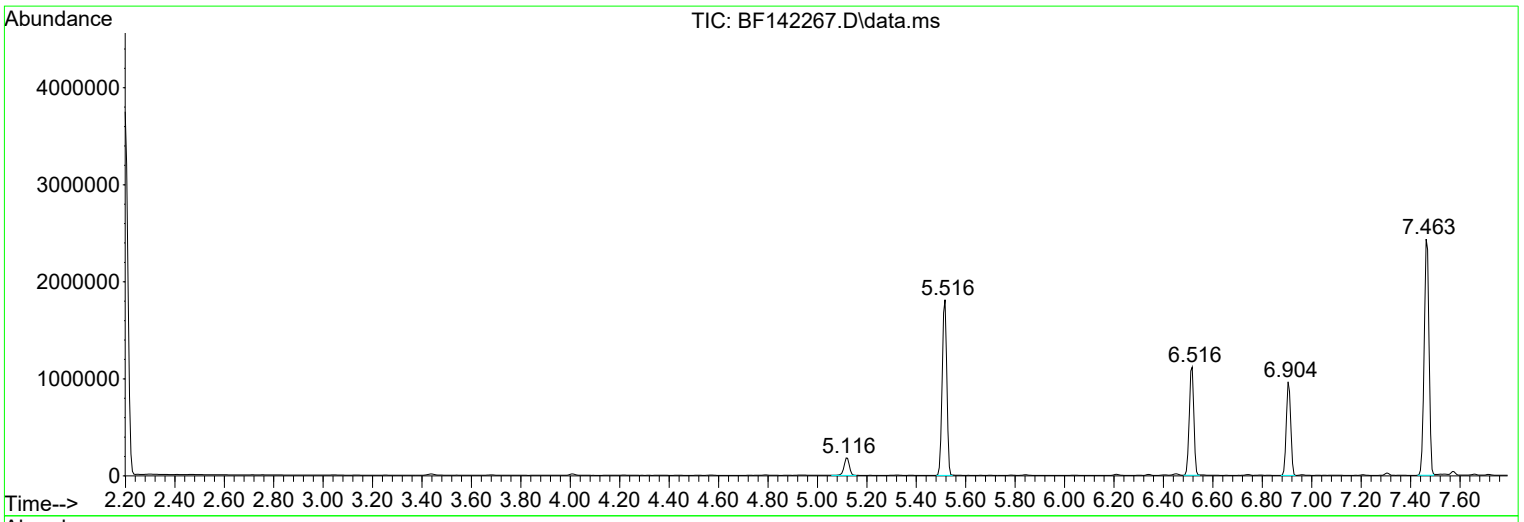
Sample Results: **BF142267.D**

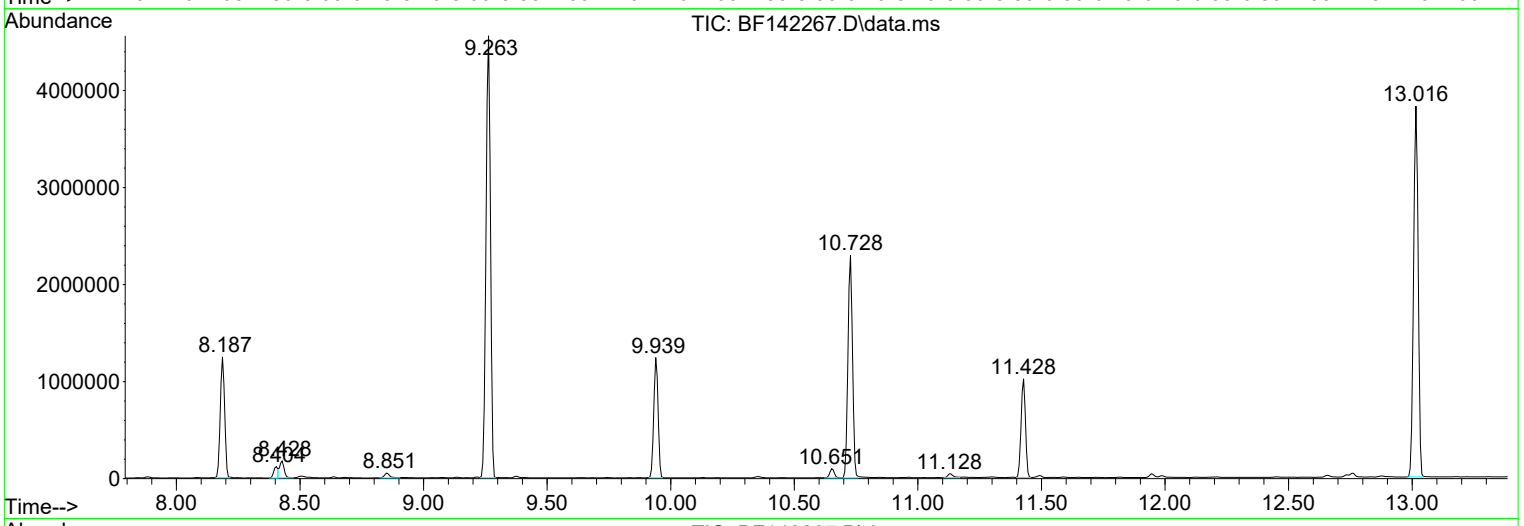
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142267.D
Acq On : 01 May 2025 18:26
Operator : RC/JU
Sample : Q1901-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

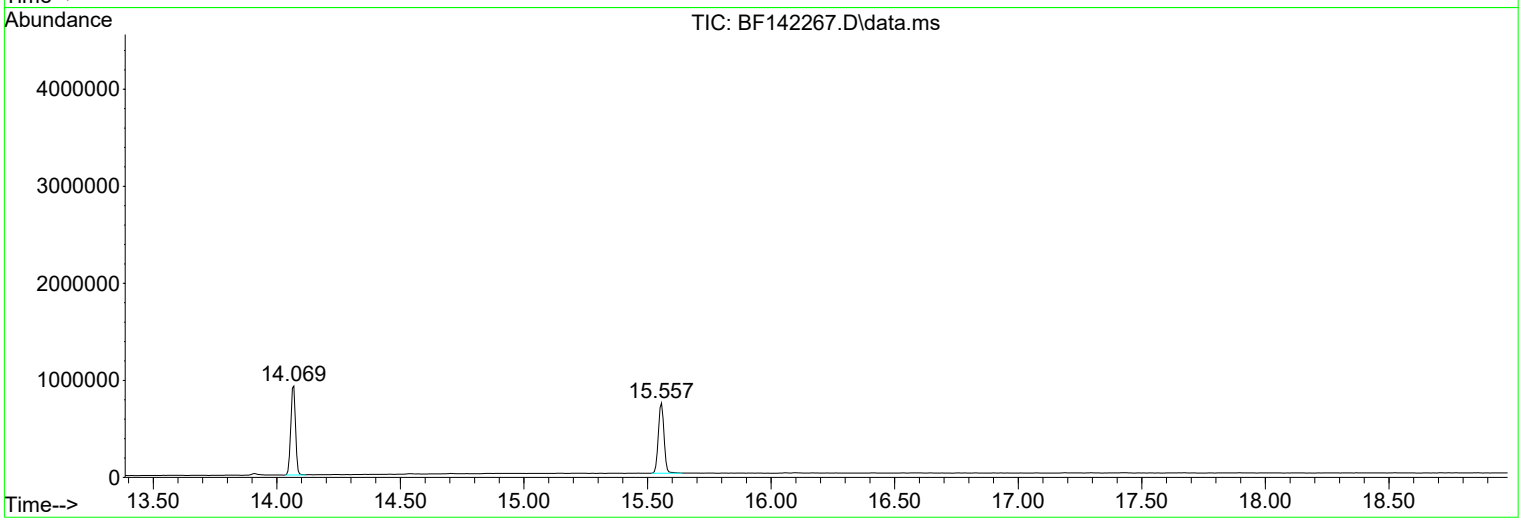
Instrument :
BNA_F
ClientSampleId :
FB04262025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.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\BF050125\
Data File : BF142267.D
Acq On : 01 May 2025 18:26
Operator : RC/JU
Sample : Q1901-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB04262025

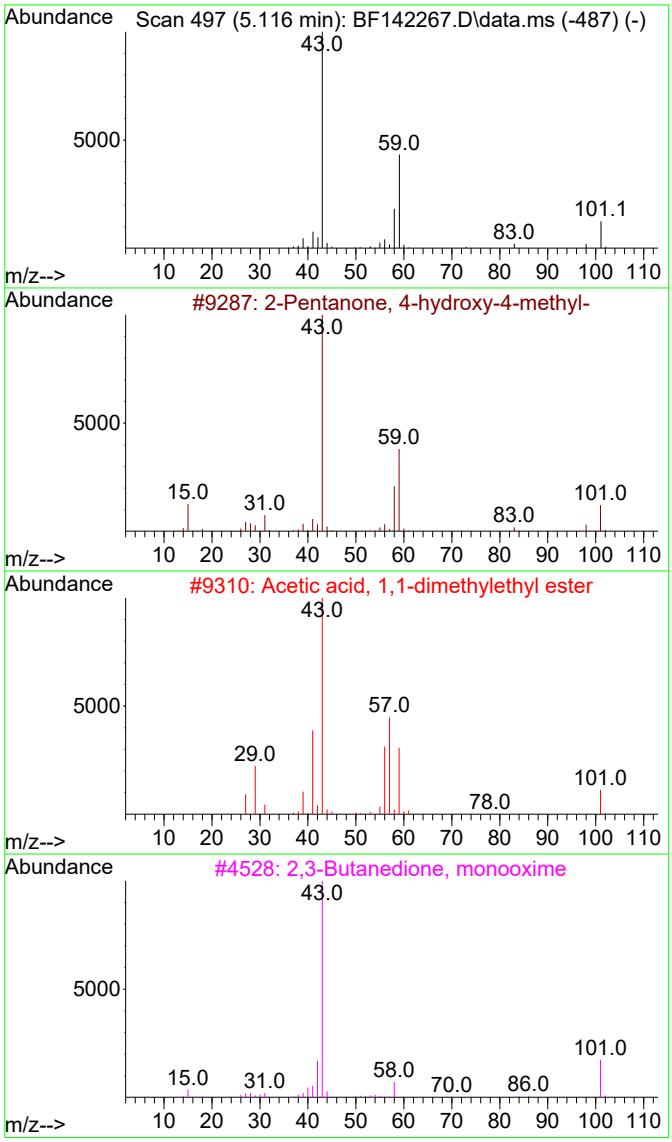
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

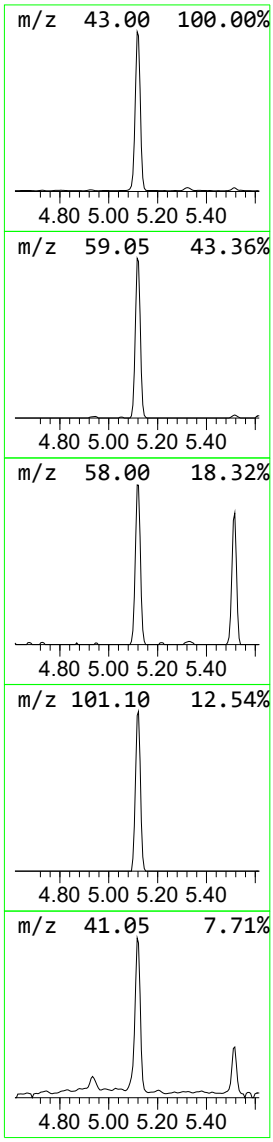
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.116	4.56 ng	268667	1,4-Dichlorobenzene-d4	6.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	78
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
5	Acetone	58	C3H6O	000067-64-1	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142267.D
Acq On : 01 May 2025 18:26
Operator : RC/JU
Sample : Q1901-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB04262025

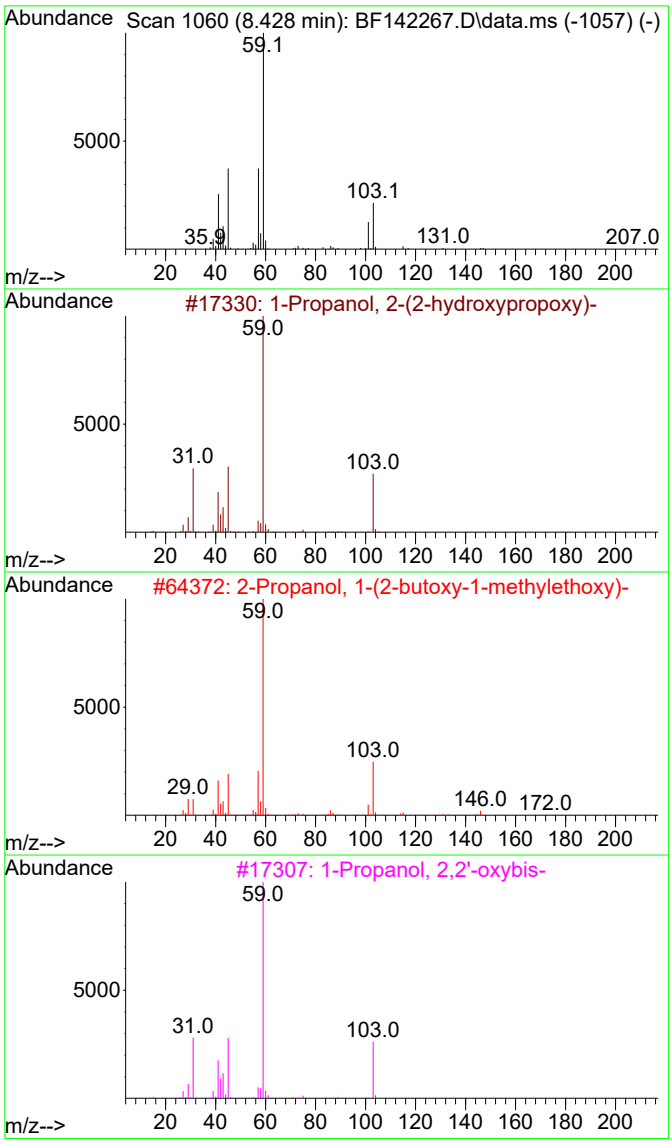
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

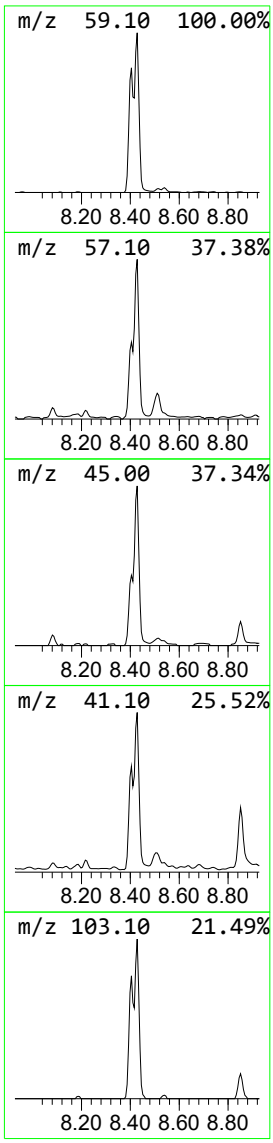
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.428	2.91 ng	220515	Naphthalene-d8	8.187

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	78
2	2-Propanol, 1-(2-butoxy-1-methyl...	190	C10H22O3	029911-28-2	78
3	1-Propanol, 2,2'-oxybis-	134	C6H14O3	000108-61-2	78
4	1-(1-tert-Butoxypropan-2-yloxy)p...	190	C10H22O3	132739-31-2	64
5	Dipropylene glycol (isomer 3)	134	C6H14O3	1000506-25-5	64





Sample Results: **BF142267.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142267.D
Acq On : 01 May 2025 18:26
Operator : RC/JU
Sample : Q1901-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB04262025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.116	4.6	ng	268667	1	6.904	1179360	20.0
1-Propanol, 2-(...	8.428	2.9	ng	220515	2	8.187	1516230	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.: Q1901 SAS No.: Q1901 SDG No.: Q1901

Instrument ID: BNA_F Calibration Date(s): 04/30/2025 04/30/2025

Calibration Time(s): 11:24 14:43

LAB FILE ID: RRF2.5 = BF142239.D RRF005 = BF142240.D RRF010 = BF142241.D
RRF020 = BF142242.D RRF040 = BF142243.D RRF050 = BF142244.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.324	1.238	1.265	1.314	1.285	1.252	5.3
Benzaldehyde		1.154	1.088	1.095	1.117	1.078	1.057	8.9
Phenol-d6		1.559	1.505	1.534	1.593	1.550	1.512	4.9
Phenol		1.679	1.588	1.657	1.715	1.687	1.628	5.2
bis(2-Chloroethyl)ether		1.345	1.250	1.270	1.318	1.285	1.262	5.5
2-Chlorophenol		1.252	1.232	1.304	1.379	1.354	1.294	4.6
2-Methylphenol		1.085	1.029	1.068	1.121	1.084	1.060	4.2
2,2-oxybis(1-Chloropropane)		2.368	2.287	2.303	2.386	2.344	2.278	5.2
Acetophenone		0.511	0.482	0.483	0.468	0.461	0.463	7.7
3+4-Methylphenols		1.357	1.323	1.372	1.400	1.366	1.326	5.9
n-Nitroso-di-n-propylamine	0.953	0.987	0.937	0.949	0.967	0.939	0.934	4.8
Nitrobenzene-d5		0.217	0.251	0.302	0.340	0.351	0.304	16.9
Hexachloroethane		0.468	0.466	0.481	0.511	0.514	0.483	4.8
Nitrobenzene		0.229	0.261	0.297	0.328	0.338	0.299	13.3
Isophorone		0.660	0.630	0.642	0.660	0.654	0.639	3.4
2-Nitrophenol		0.048	0.057	0.083	0.115	0.132	0.102	38.4
2,4-Dimethylphenol		0.315	0.319	0.333	0.337	0.333	0.322	4.0
bis(2-Chloroethoxy)methane		0.425	0.404	0.414	0.415	0.410	0.403	5.0
2,4-Dichlorophenol		0.246	0.253	0.274	0.291	0.286	0.269	6.1
Naphthalene		1.106	1.040	1.035	1.020	0.999	0.997	8.2
4-Chloroaniline		0.446	0.414	0.429	0.429	0.423	0.415	6.0
Hexachlorobutadiene		0.180	0.175	0.179	0.185	0.178	0.175	4.3
Caprolactam		0.068	0.073	0.081	0.087	0.089	0.081	9.5
4-Chloro-3-methylphenol		0.262	0.265	0.279	0.295	0.293	0.277	4.8
2-Methylnaphthalene		0.679	0.637	0.633	0.623	0.612	0.613	7.7
Hexachlorocyclopentadiene		0.244	0.265	0.306	0.352	0.368	0.319	15.2
2,4,6-Trichlorophenol		0.275	0.329	0.353	0.370	0.375	0.349	10.5
2-Fluorobiphenyl		1.738	1.580	1.520	1.409	1.347	1.418	15.1
2,4,5-Trichlorophenol		0.322	0.330	0.362	0.404	0.411	0.367	9.2
1,1-Biphenyl		1.773	1.621	1.612	1.581	1.547	1.555	9.4
2-Chloronaphthalene		1.289	1.176	1.191	1.185	1.157	1.157	7.5
2-Nitroaniline		0.119	0.156	0.228	0.295	0.316	0.249	33.2
Dimethylphthalate		1.362	1.284	1.301	1.321	1.309	1.280	5.4
Acenaphthylene		2.149	2.025	2.025	1.997	1.965	1.952	7.9

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.: Q1901 SAS No.: Q1901 SDG No.: Q1901

Instrument ID: BNA_F Calibration Date(s): 04/30/2025 04/30/2025

Calibration Time(s): 11:24 14:43

LAB FILE ID: RRF2.5 = BF142239.D RRF005 = BF142240.D RRF010 = BF142241.D
RRF020 = BF142242.D RRF040 = BF142243.D RRF050 = BF142244.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.098	0.137	0.193	0.241	0.259	0.204	31.5
3-Nitroaniline		0.143	0.187	0.252	0.298	0.311	0.257	26.1
Acenaphthene		1.271	1.175	1.156	1.172	1.138	1.140	7.6
2,4-Dinitrophenol			0.025	0.036	0.057	0.069	0.058	40.4
4-Nitrophenol			0.131	0.177	0.216	0.233	0.201	19.8
Dibenzofuran		1.930	1.775	1.751	1.743	1.713	1.709	8.7
2,4-Dinitrotoluene		0.104	0.145	0.213	0.285	0.311	0.239	36.0
Diethylphthalate		1.324	1.264	1.302	1.313	1.300	1.264	5.6
4-Chlorophenyl-phenylether		0.702	0.642	0.632	0.632	0.614	0.617	9.1
Fluorene		1.493	1.403	1.351	1.317	1.273	1.299	10.7
4-Nitroaniline		0.144	0.177	0.233	0.272	0.287	0.238	23.6
4,6-Dinitro-2-methylphenol			0.022	0.034	0.055	0.065	0.054	39.2
n-Nitrosodiphenylamine		0.727	0.686	0.693	0.712	0.689	0.683	5.1
2,4,6-Tribromophenol		0.139	0.158	0.184	0.204	0.205	0.182	13.7
4-Bromophenyl-phenylether		0.224	0.219	0.223	0.236	0.225	0.223	3.4
Hexachlorobenzene		0.256	0.245	0.248	0.261	0.255	0.249	3.3
Atrazine		0.166	0.172	0.186	0.190	0.190	0.180	5.3
Pentachlorophenol			0.093	0.121	0.144	0.145	0.132	16.2
Phenanthrene		1.218	1.114	1.119	1.112	1.064	1.080	8.5
Anthracene		1.209	1.161	1.151	1.128	1.099	1.105	7.8
Carbazole		1.125	1.047	1.061	1.033	0.996	1.008	8.8
Di-n-butylphthalate		0.986	1.006	1.088	1.069	1.045	1.013	5.9
Fluoranthene		1.221	1.144	1.155	1.085	1.035	1.068	11.2
Pyrene		1.833	1.801	1.849	2.026	1.937	1.845	6.5
Terphenyl-d14		1.472	1.413	1.422	1.481	1.392	1.375	8.4
Butylbenzylphthalate		0.218	0.293	0.405	0.505	0.525	0.426	29.3
3,3-Dichlorobenzidine		0.286	0.317	0.380	0.442	0.450	0.394	17.4
Benzo(a)anthracene		1.379	1.320	1.332	1.438	1.388	1.343	5.1
Chrysene		1.302	1.210	1.249	1.232	1.227	1.222	4.1
Bis(2-ethylhexyl)phthalate		0.384	0.448	0.549	0.695	0.726	0.604	23.7
Di-n-octyl phthalate			0.668	0.875	1.262	1.320	1.133	25.6
Benzo(b)fluoranthene		1.317	1.220	1.208	1.302	1.271	1.242	4.4
Benzo(k)fluoranthene		1.211	1.159	1.222	1.145	1.146	1.136	7.6
Benzo(a)pyrene		1.121	1.098	1.146	1.203	1.180	1.137	3.9
Indeno(1,2,3-cd)pyrene		1.323	1.384	1.466	1.613	1.556	1.465	6.8

All other compounds must meet a minimum RRF of 0.010.

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG No.: Q1901

Instrument ID: BNA_F Calibration Date(s): 04/30/2025 04/30/2025

Calibration Time(s): 11:24 14:43

LAB FILE ID: RRF2.5 = BF142239.D RRF005 = BF142240.D RRF010 = BF142241.D
RRF020 = BF142242.D RRF040 = BF142243.D RRF050 = BF142244.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo(a,h)anthracene		1.075	1.131	1.197	1.312	1.271	1.189	6.9
Benzo(g,h,i)perylene		1.076	1.138	1.204	1.308	1.267	1.195	6.6
1,2,4,5-Tetrachlorobenzene		0.621	0.575	0.572	0.576	0.566	0.563	6.9
1,4-Dioxane		0.563	0.534	0.561	0.592	0.580	0.559	4.0
2,3,4,6-Tetrachlorophenol		0.252	0.267	0.312	0.334	0.334	0.304	10.7

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-BF043025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Apr 30 16:00:01 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF142239.D 5 =BF142240.D 10 =BF142241.D 20 =BF142242.D 40 =BF142243.D 50 =BF142244.D 60 =BF142245.D 80 =BF1422
46.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.563	0.534	0.561	0.592	0.580	0.555	0.530	0.559	4.03
3)		Pyridine		1.465	1.391	1.454	1.522	1.503	1.460	1.380	1.454	3.62
4)		n-Nitrosodimet...		0.747	0.699	0.728	0.807	0.789	0.766	0.731	0.752	4.95
5)	S	2-Fluorophenol		1.324	1.238	1.265	1.314	1.285	1.210	1.131	1.252	5.35
6)		Aniline		2.212	2.085	2.157	2.245	2.203	2.101	1.981	2.140	4.29
7)	S	Phenol-d6		1.559	1.505	1.534	1.593	1.550	1.475	1.370	1.512	4.85
8)		2-Chlorophenol		1.252	1.232	1.304	1.379	1.354	1.313	1.225	1.294	4.64
9)		Benzaldehyde		1.154	1.088	1.095	1.117	1.078	0.993	0.875	1.057	8.91
10)	C	Phenol		1.679	1.588	1.657	1.715	1.687	1.603	1.468	1.628	5.15
11)		bis(2-Chloroet...		1.345	1.250	1.270	1.318	1.285	1.231	1.132	1.262	5.46
12)		1,3-Dichlorobe...		1.571	1.485	1.485	1.533	1.478	1.396	1.299	1.464	6.18
13)	C	1,4-Dichlorobe...		1.610	1.486	1.495	1.546	1.488	1.404	1.295	1.475	6.86
14)		1,2-Dichlorobe...		1.489	1.418	1.431	1.475	1.432	1.356	1.255	1.408	5.67
15)		Benzyl Alcohol		1.047	1.017	1.064	1.149	1.126	1.082	1.023	1.073	4.69
16)		2,2'-oxybis(1-...		2.368	2.287	2.303	2.386	2.344	2.216	2.043	2.278	5.19
17)		2-Methylphenol		1.085	1.029	1.068	1.121	1.084	1.050	0.983	1.060	4.19
18)		Hexachloroethane		0.468	0.466	0.481	0.511	0.514	0.489	0.451	0.483	4.84
19)	P	n-Nitroso-di-n...	0.953	0.987	0.937	0.949	0.967	0.939	0.898	0.844	0.934	4.77
20)		3+4-Methylphenols		1.357	1.323	1.372	1.400	1.366	1.296	1.166	1.326	5.90
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.511	0.482	0.483	0.468	0.461	0.430	0.404	0.463	7.70
23)	S	Nitrobenzene-d5		0.217	0.251	0.302	0.340	0.351	0.339	0.330	0.304	16.88
24)		Nitrobenzene		0.229	0.261	0.297	0.328	0.338	0.323	0.314	0.299	13.31
25)		Isophorone		0.660	0.630	0.642	0.660	0.654	0.626	0.601	0.639	3.36
26)	C	2-Nitrophenol		0.048	0.057	0.083	0.115	0.132	0.136	0.142	0.102	38.38#
27)		2,4-Dimethylph...		0.315	0.319	0.333	0.337	0.333	0.315	0.302	0.322	3.96
28)		bis(2-Chloroet...		0.425	0.404	0.414	0.415	0.410	0.386	0.366	0.403	4.98
29)	C	2,4-Dichloroph...		0.246	0.253	0.274	0.291	0.286	0.272	0.263	0.269	6.12
30)		1,2,4-Trichlor...		0.320	0.303	0.305	0.312	0.304	0.287	0.273	0.301	5.28
31)		Naphthalene		1.106	1.040	1.035	1.020	0.999	0.924	0.858	0.997	8.21
32)		Benzoic acid			0.048	0.087	0.130	0.146	0.159	0.179	0.125	39.24
33)		4-Chloroaniline		0.446	0.414	0.429	0.429	0.423	0.396	0.371	0.415	5.98
34)	C	Hexachlorobuta...		0.180	0.175	0.179	0.185	0.178	0.170	0.161	0.175	4.35
35)		Caprolactam		0.068	0.073	0.081	0.087	0.089	0.085	0.083	0.081	9.45
36)	C	4-Chloro-3-met...		0.262	0.265	0.279	0.295	0.293	0.276	0.266	0.277	4.84
37)		2-Methylnaphth...		0.679	0.637	0.633	0.623	0.612	0.574	0.534	0.613	7.69
38)		1-Methylnaphth...		0.700	0.655	0.667	0.652	0.641	0.590	0.542	0.635	8.29

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF043025.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.621	0.575	0.572	0.576	0.566	0.534	0.496	0.563	6.88
41)	P	Hexachlorocycl...	0.244	0.265	0.306	0.352	0.368	0.358	0.343	0.319	15.23
42)	S	2,4,6-Tribromo...	0.139	0.158	0.184	0.204	0.205	0.197	0.190	0.182	13.73
43)	C	2,4,6-Trichlor...	0.275	0.329	0.353	0.370	0.375	0.381	0.357	0.349	10.50
44)		2,4,5-Trichlor...	0.322	0.330	0.362	0.404	0.411	0.371	0.365	0.367	9.17
45)	S	2-Fluorobiphenyl	1.738	1.580	1.520	1.409	1.347	1.221	1.114	1.418	15.11
46)		1,1'-Biphenyl	1.773	1.621	1.612	1.581	1.547	1.435	1.316	1.555	9.38
47)		2-Chloronaphth...	1.289	1.176	1.191	1.185	1.157	1.085	1.014	1.157	7.51
48)		2-Nitroaniline	0.119	0.156	0.228	0.295	0.316	0.315	0.316	0.249	33.25
49)		Acenaphthylene	2.149	2.025	2.025	1.997	1.965	1.828	1.675	1.952	7.93
50)		Dimethylphthalate	1.362	1.284	1.301	1.321	1.309	1.227	1.152	1.280	5.42
51)		2,6-Dinitrotol...	0.098	0.137	0.193	0.241	0.259	0.254	0.249	0.204	31.45
52)	C	Acenaphthene	1.271	1.175	1.156	1.172	1.138	1.072	0.995	1.140	7.63
53)		3-Nitroaniline	0.143	0.187	0.252	0.298	0.311	0.310	0.299	0.257	26.09
54)	P	2,4-Dinitrophenol		0.025	0.036	0.057	0.069	0.076	0.085	0.058	40.36
55)		Dibenzofuran	1.930	1.775	1.751	1.743	1.713	1.581	1.466	1.709	8.67
56)	P	4-Nitrophenol		0.131	0.177	0.216	0.233	0.230	0.220	0.201	19.82
57)		2,4-Dinitrotol...	0.104	0.145	0.213	0.285	0.311	0.309	0.306	0.239	35.96
58)		Fluorene	1.493	1.403	1.351	1.317	1.273	1.186	1.071	1.299	10.74
59)		2,3,4,6-Tetrac...	0.252	0.267	0.312	0.334	0.334	0.323	0.305	0.304	10.65
60)		Diethylphthalate	1.324	1.264	1.302	1.313	1.300	1.215	1.126	1.263	5.61
61)		4-Chlorophenyl...	0.702	0.642	0.632	0.632	0.614	0.570	0.526	0.617	9.06
62)		4-Nitroaniline	0.144	0.177	0.233	0.272	0.287	0.281	0.269	0.238	23.57
63)		Azobenzene	1.346	1.260	1.275	1.279	1.278	1.198	1.098	1.248	6.33
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.022	0.034	0.055	0.065	0.071	0.075	0.054	39.23
66)	c	n-Nitrosodiphe...	0.727	0.686	0.693	0.712	0.689	0.653	0.623	0.683	5.11
67)		4-Bromophenyl-...	0.224	0.219	0.223	0.236	0.225	0.220	0.211	0.223	3.39
68)		Hexachlorobenzene	0.256	0.245	0.248	0.261	0.255	0.244	0.237	0.249	3.28
69)		Atrazine	0.166	0.172	0.186	0.190	0.190	0.182	0.174	0.180	5.29
70)	C	Pentachlorophenol		0.093	0.121	0.144	0.145	0.144	0.144	0.132	16.25
71)		Phenanthrene	1.218	1.114	1.119	1.112	1.064	0.995	0.940	1.080	8.45
72)		Anthracene	1.209	1.161	1.151	1.128	1.099	1.025	0.959	1.105	7.77
73)		Carbazole	1.125	1.047	1.061	1.033	0.996	0.935	0.857	1.008	8.77
74)		Di-n-butylphth...	0.986	1.006	1.088	1.069	1.045	0.988	0.912	1.013	5.88
75)	C	Fluoranthene	1.221	1.144	1.155	1.085	1.035	0.957	0.878	1.068	11.24
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.702	0.748	0.885	0.963	0.945	0.895	0.810	0.850	11.67
78)		Pyrene	1.833	1.801	1.849	2.026	1.937	1.833	1.635	1.845	6.54
79)	S	Terphenyl-d14	1.472	1.413	1.422	1.481	1.392	1.290	1.155	1.375	8.41
80)		Butylbenzylpht...	0.218	0.293	0.405	0.505	0.525	0.524	0.509	0.425	29.32
81)		Benzo(a)anthra...	1.379	1.320	1.332	1.438	1.388	1.316	1.225	1.343	5.06
82)		3,3'-Dichlorob...	0.286	0.317	0.380	0.442	0.450	0.451	0.435	0.394	17.37
83)		Chrysene	1.302	1.210	1.249	1.232	1.227	1.197	1.138	1.222	4.12
84)		Bis(2-ethylhex...	0.384	0.448	0.549	0.695	0.726	0.722	0.707	0.604	23.69
85)	c	Di-n-octyl pht...		0.668	0.875	1.262	1.320	1.347	1.329	1.133	25.55

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
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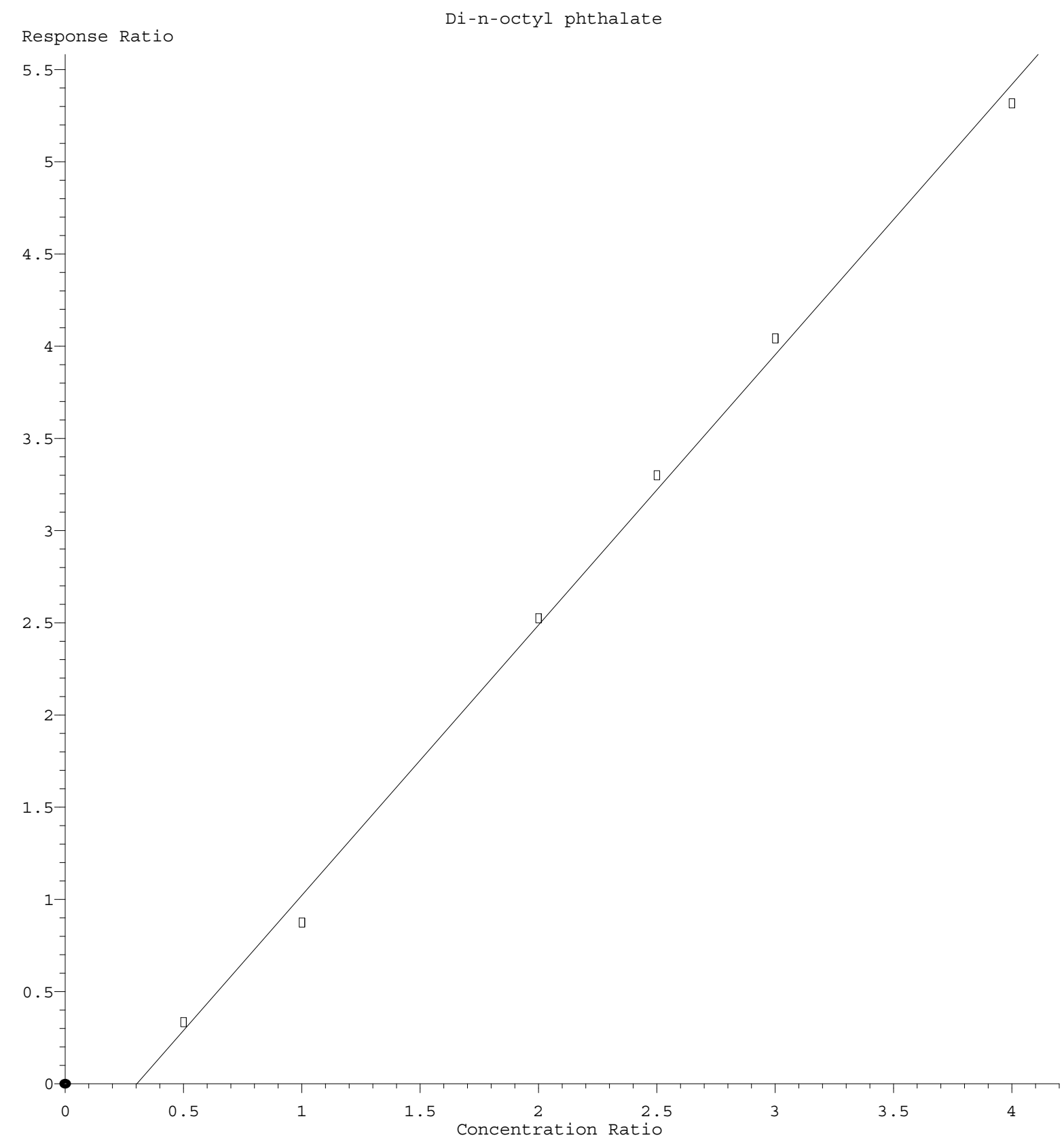
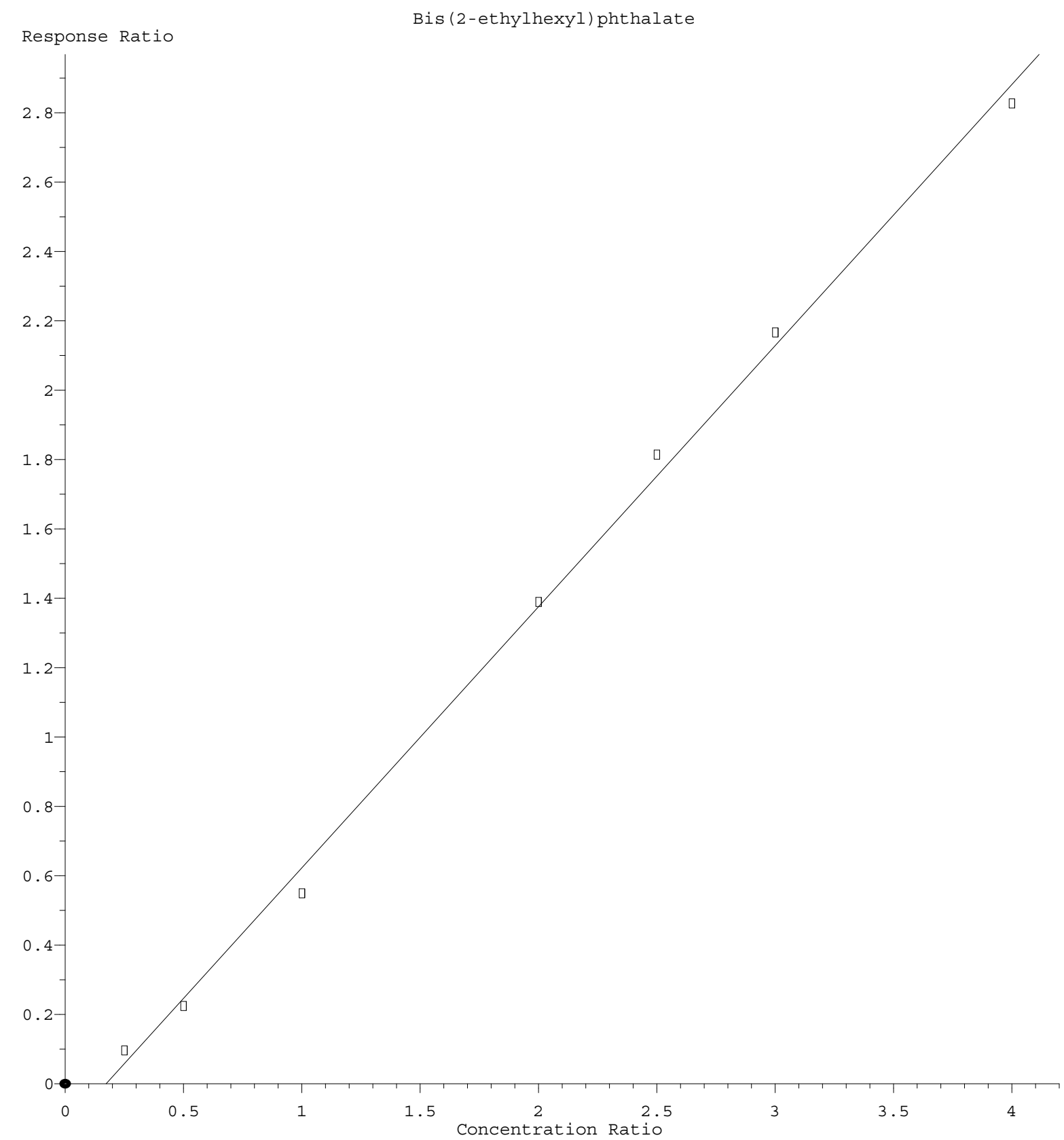
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.323	1.384	1.466	1.613	1.556	1.490	1.422	1.465	6.78
88)		Benzo(b)fluora...	1.317	1.220	1.208	1.302	1.271	1.177	1.202	1.242	4.36
89)		Benzo(k)fluora...	1.211	1.159	1.222	1.145	1.146	1.110	0.962	1.136	7.59
90)	C	Benzo(a)pyrene	1.121	1.098	1.146	1.203	1.180	1.137	1.076	1.137	3.91
91)		Dibenzo(a,h)an...	1.075	1.131	1.197	1.312	1.271	1.192	1.144	1.189	6.90
92)		Benzo(g,h,i)pe...	1.076	1.138	1.204	1.308	1.267	1.213	1.162	1.195	6.55

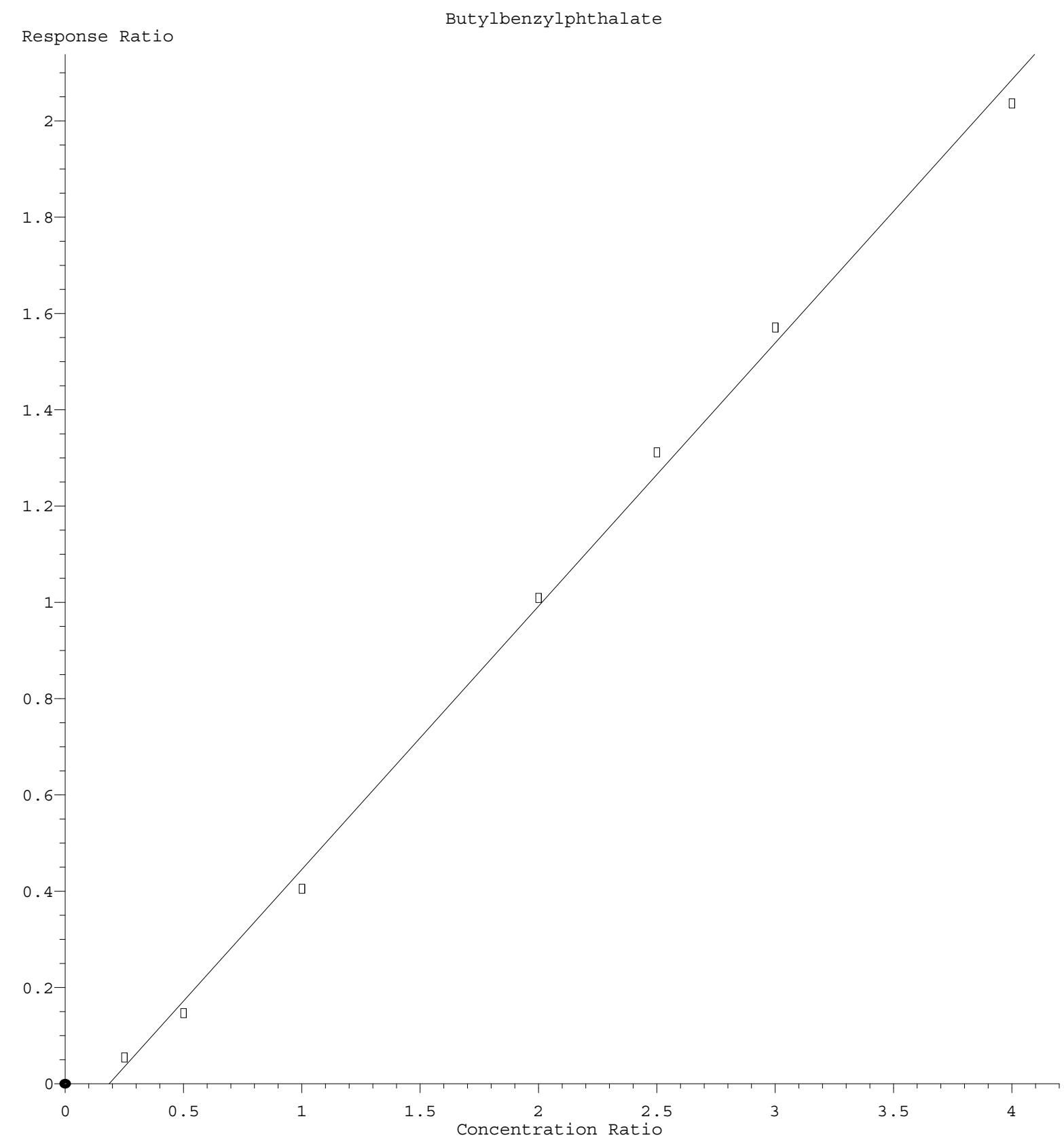
(#) = Out of Range



Response = 1.466e+000 * Amt - 4.448e-001
Coef of Det (r^2) = 0.997236 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF043025.M
Calibration Table Last Updated: Wed Apr 30 16:00:01 2025

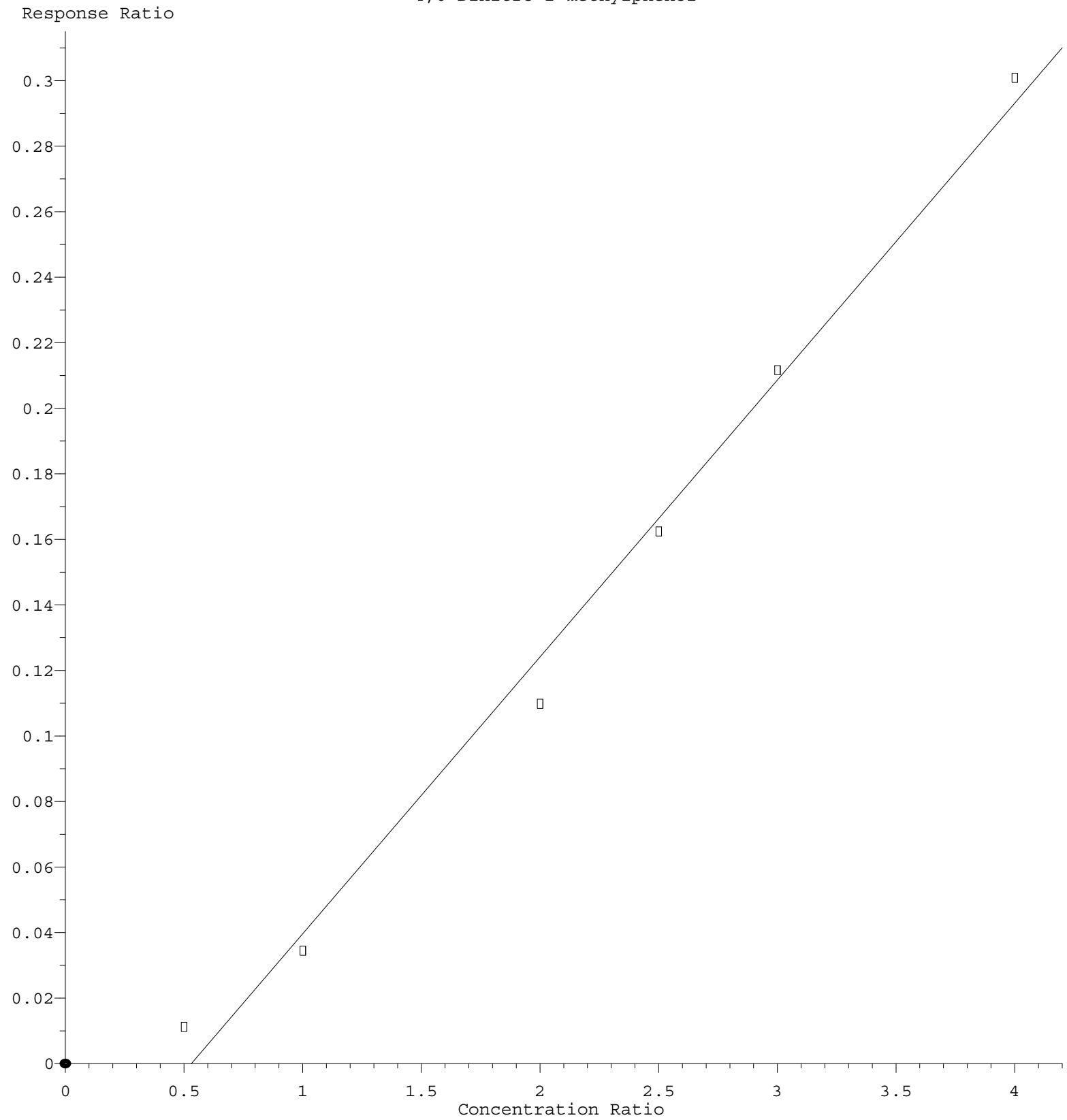


Response = 7.529e-001 * Amt - 1.300e-001
Coef of Det (r^2) = 0.997585 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF043025.M
Calibration Table Last Updated: Wed Apr 30 16:00:01 2025

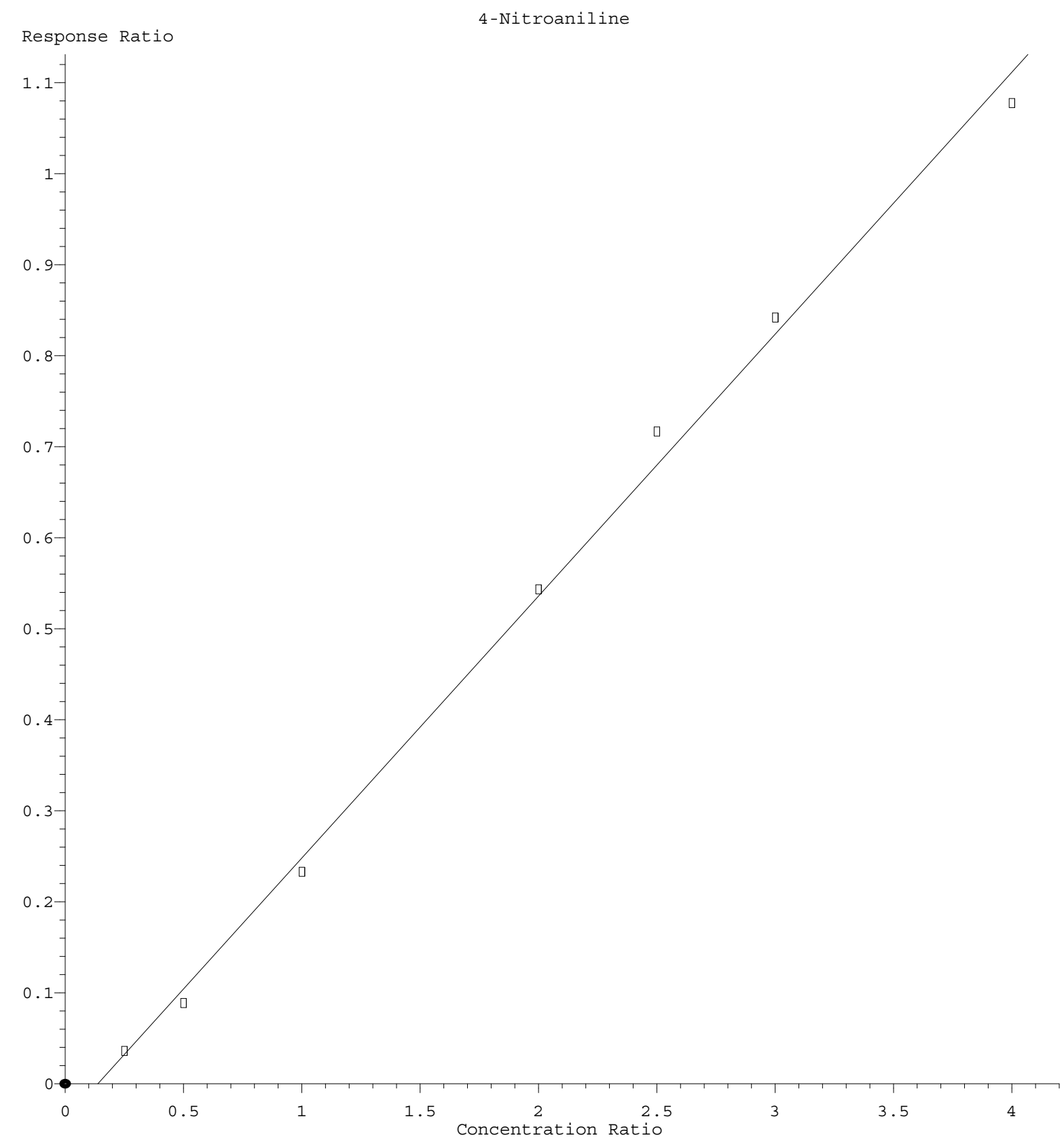


Response = 5.468e-001 * Amt - 1.016e-001
Coef of Det (r^2) = 0.997533 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF043025.M
Calibration Table Last Updated: Wed Apr 30 16:00:01 2025

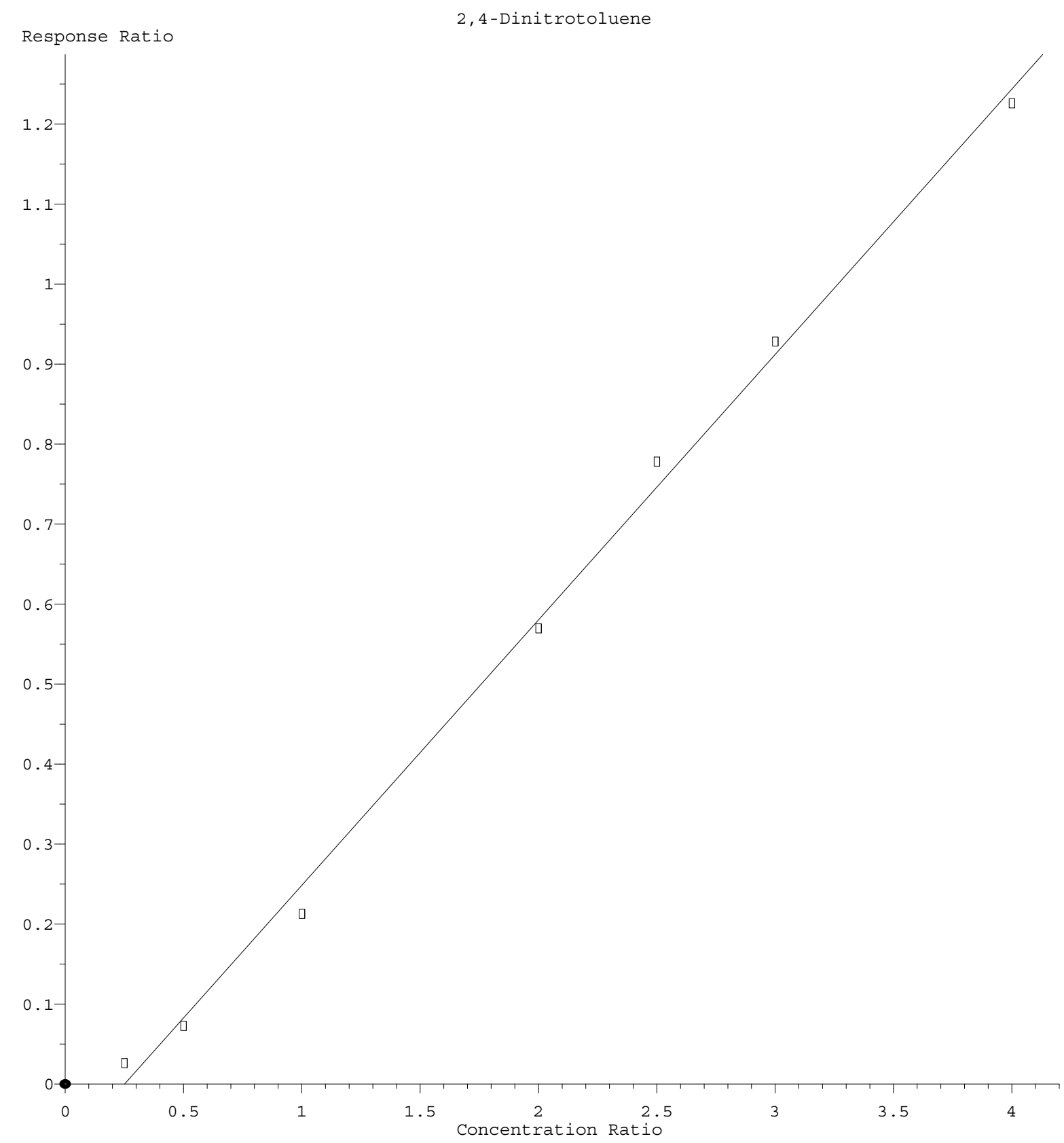
4,6-Dinitro-2-methylphenol



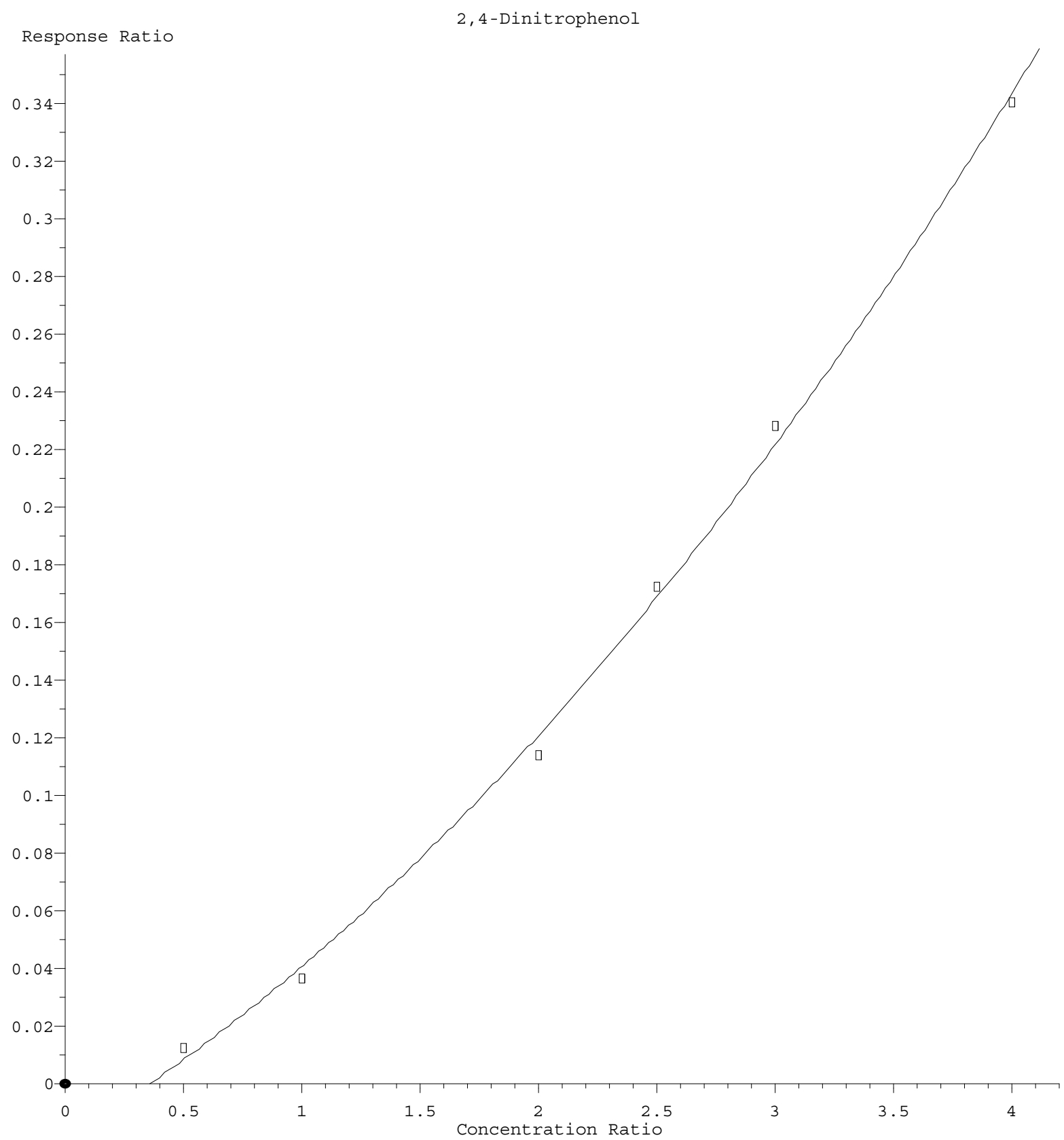
Response = 8.458e-002 * Amt - 4.487e-002
Coef of Det (r^2) = 0.991555 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF043025.M
Calibration Table Last Updated: Wed Apr 30 16:00:01 2025



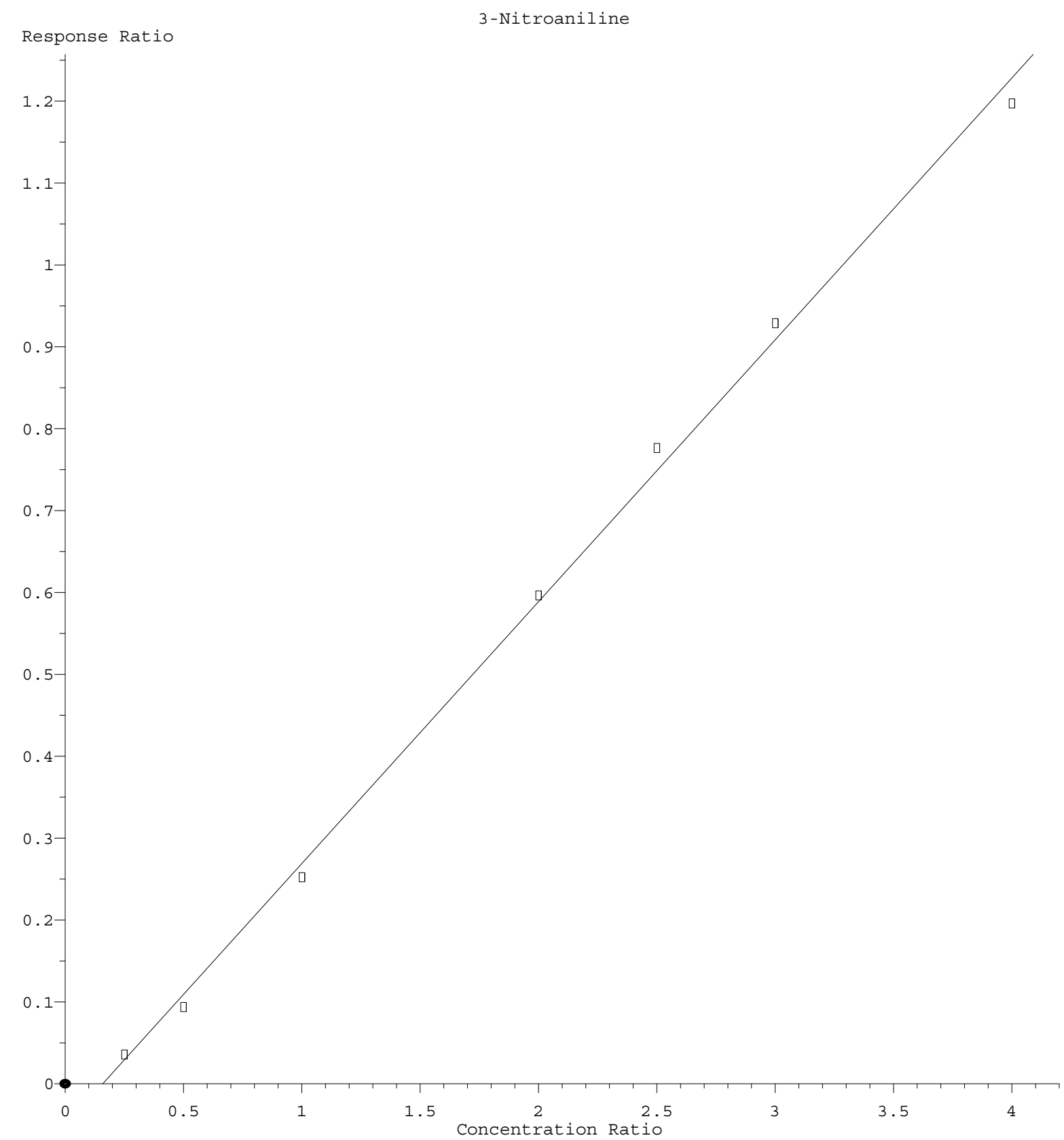
Response = 2.879e-001 * Amt - 3.958e-002
Coef of Det (r^2) = 0.996450 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF043025.M
Calibration Table Last Updated: Wed Apr 30 16:00:01 2025



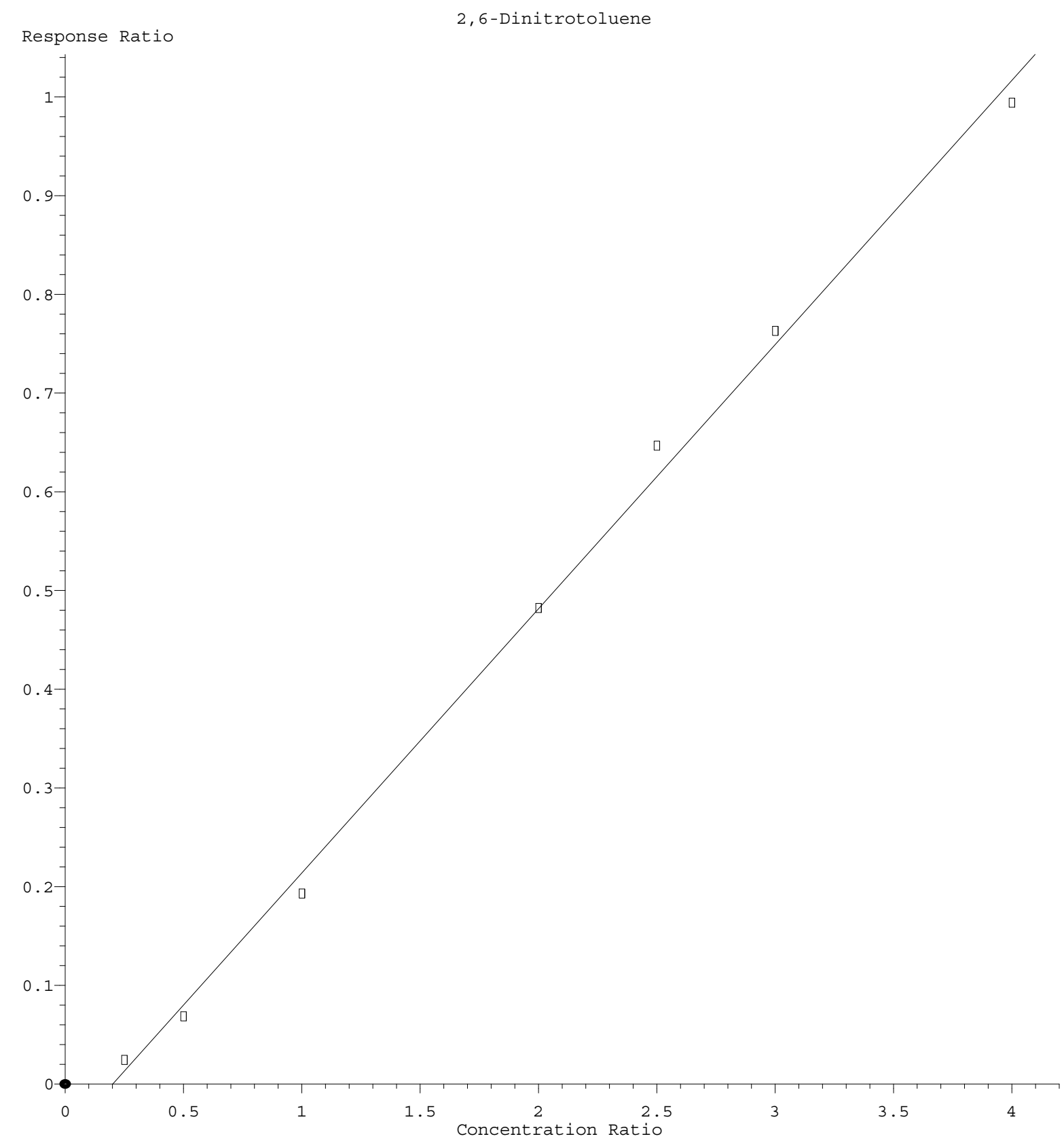
Response = 3.318e-001 * Amt - 8.340e-002
Coef of Det (r^2) = 0.997011 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF043025.M
Calibration Table Last Updated: Wed Apr 30 16:00:01 2025



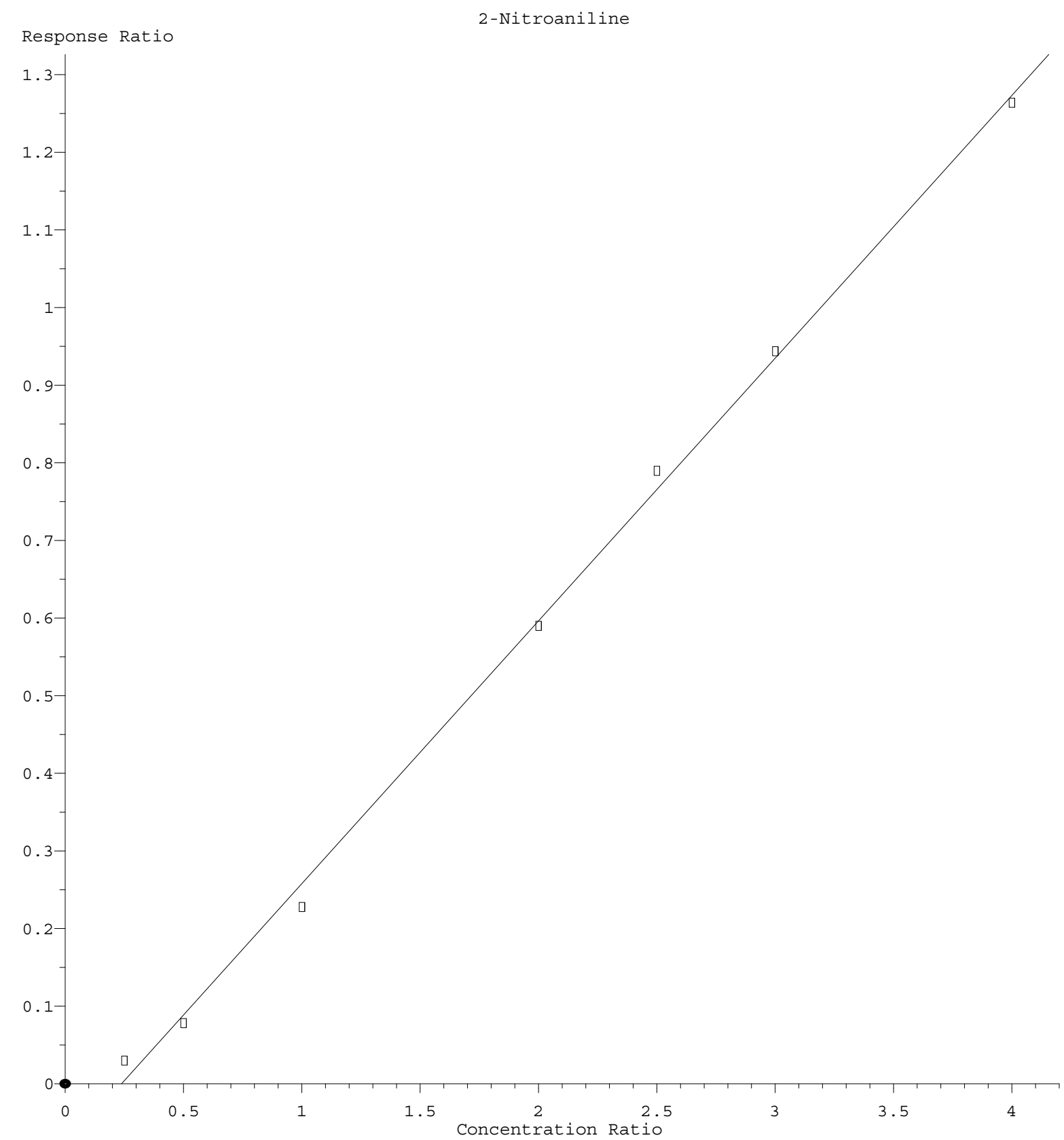
R = 1.037e-002 A*A + 4.909e-002 A - 1.884e-002
Coef of Det (r^2) = 0.998097 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF043025.M
Calibration Table Last Updated: Wed Apr 30 16:00:01 2025



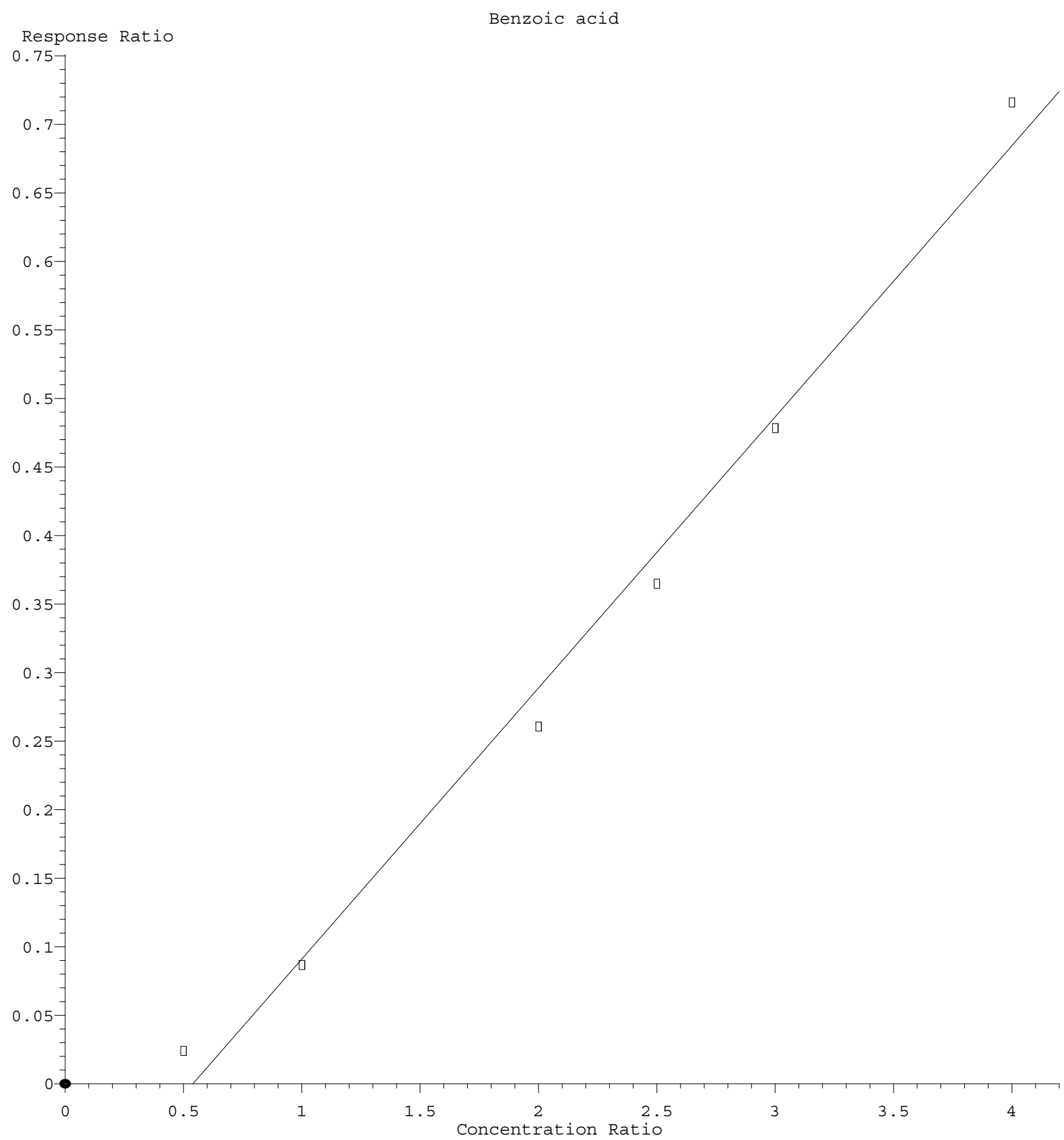
Response = 3.198e-001 * Amt - 5.099e-002
Coef of Det (r^2) = 0.997645 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF043025.M
Calibration Table Last Updated: Wed Apr 30 16:00:01 2025



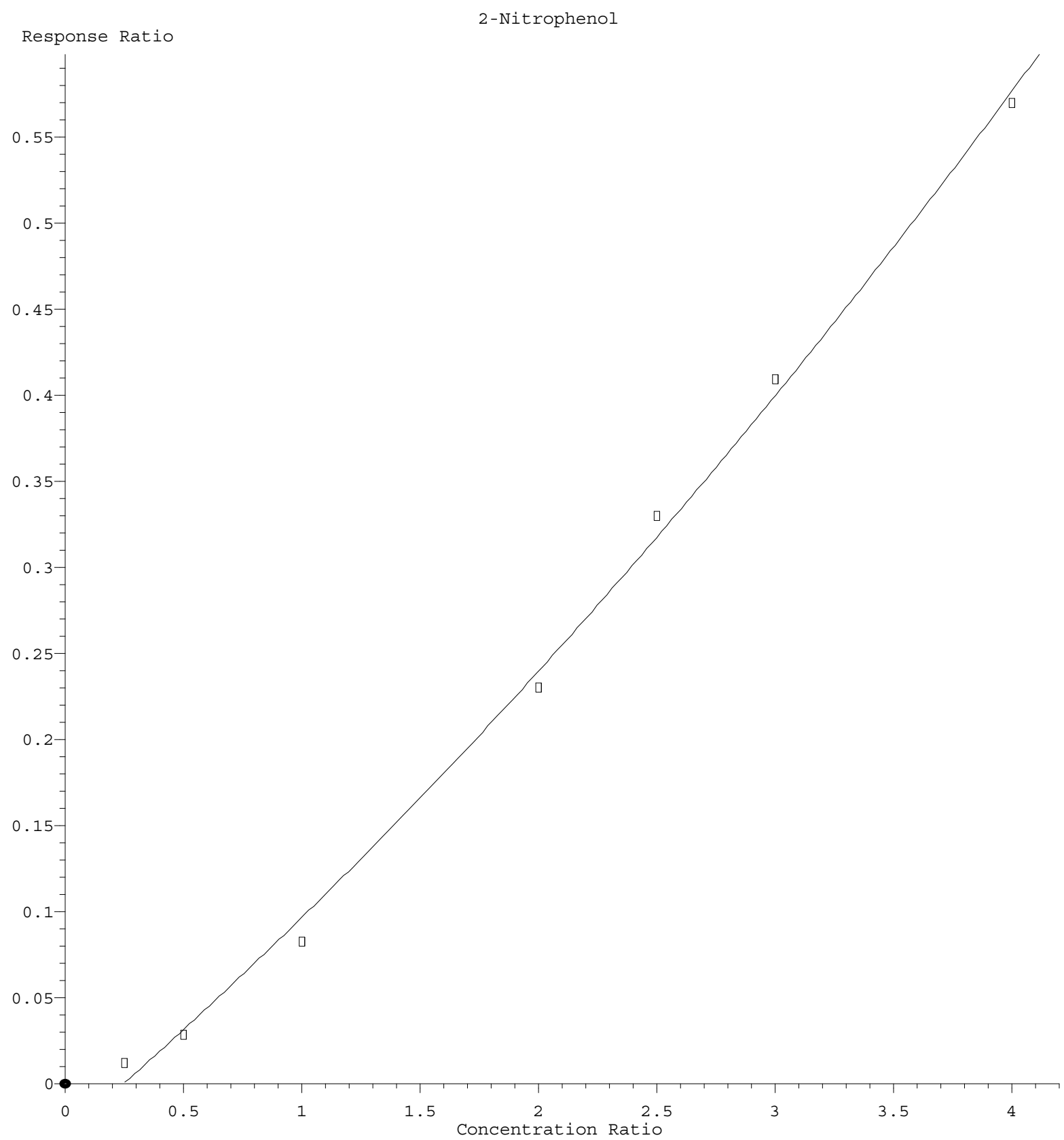
Response = 2.679e-001 * Amt - 5.390e-002
Coef of Det (r^2) = 0.997116 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF043025.M
Calibration Table Last Updated: Wed Apr 30 16:00:01 2025



Response = 3.387e-001 * Amt - 8.076e-002
Coef of Det (r^2) = 0.998123 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF043025.M
Calibration Table Last Updated: Wed Apr 30 16:00:01 2025



Response = 1.978e-001 * Amt - 1.069e-001
Coef of Det (r^2) = 0.989640 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF043025.M
Calibration Table Last Updated: Wed Apr 30 16:00:01 2025



R = 8.463e-003 A*A + 1.177e-001 A - 2.955e-002
Coef of Det (r^2) = 0.997290 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF043025.M
Calibration Table Last Updated: Wed Apr 30 16:00:01 2025

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142239.D
Acq On : 30 Apr 2025 11:24
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 30 15:56:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	204993	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	780462	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	414360	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	737147	20.000	ng	0.00
76) Chrysene-d12	14.074	240	525717	20.000	ng	0.00
86) Perylene-d12	15.568	264	366865	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	24421	2.550	ng	99

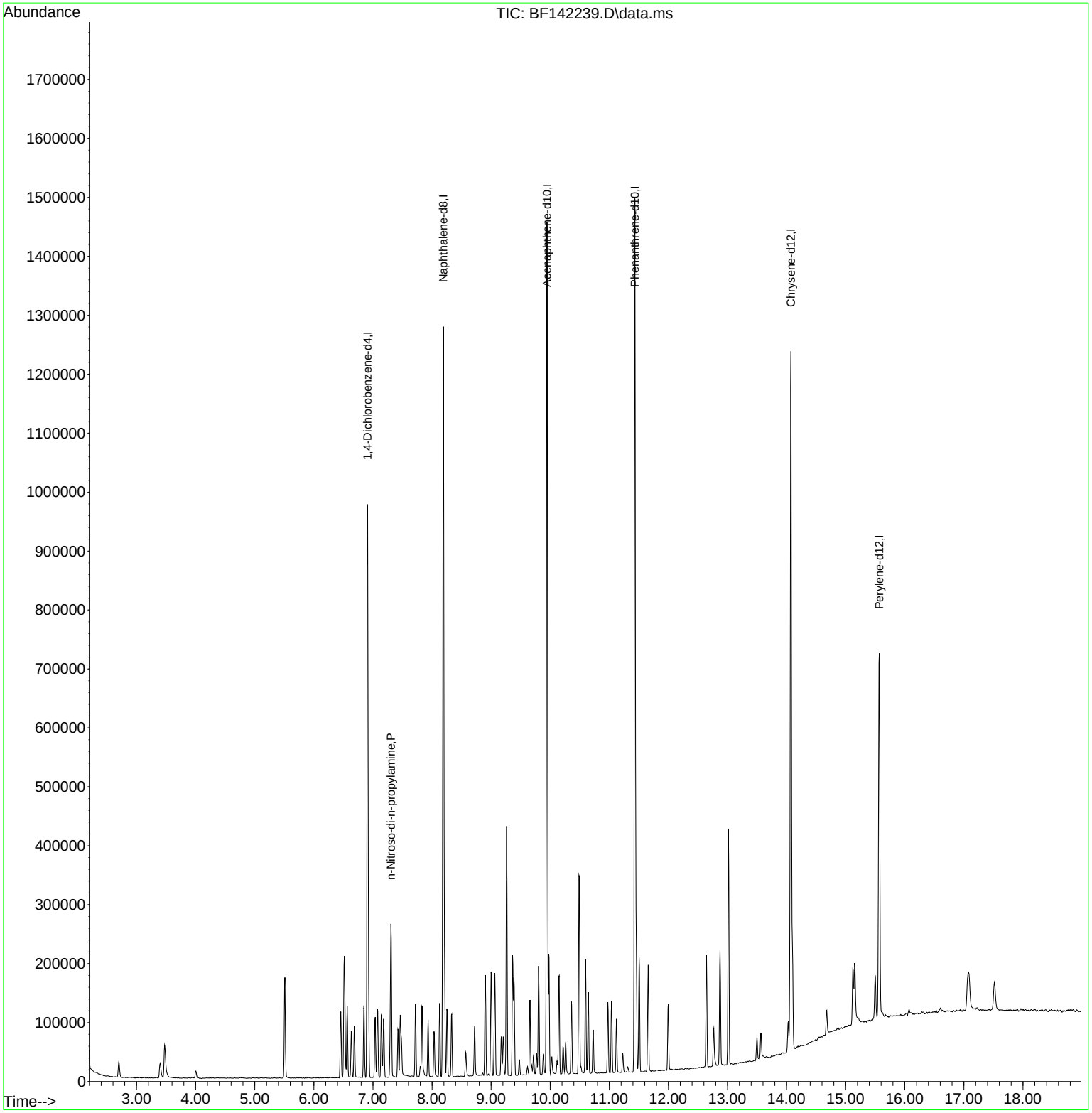
(#) = qualifier out of range (m) = manual integration (+) = signals summed

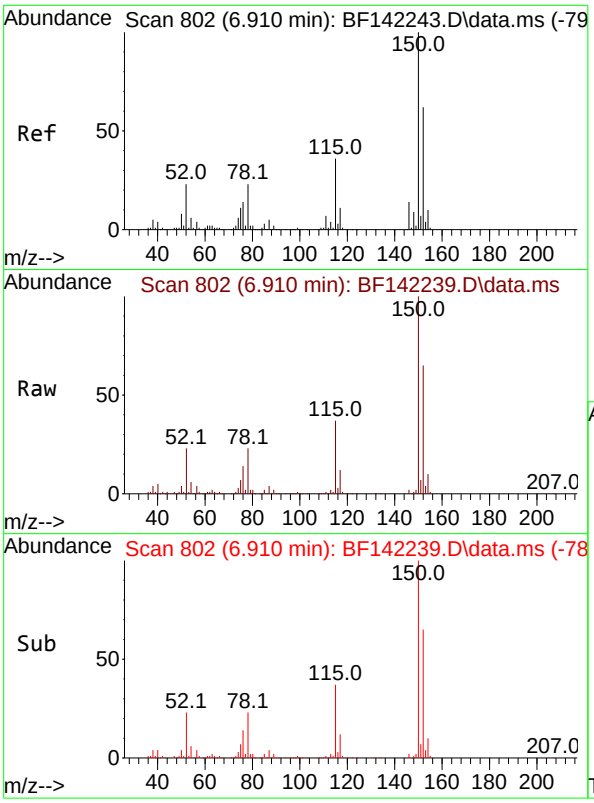
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142239.D
Acq On : 30 Apr 2025 11:24
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 30 15:56:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration



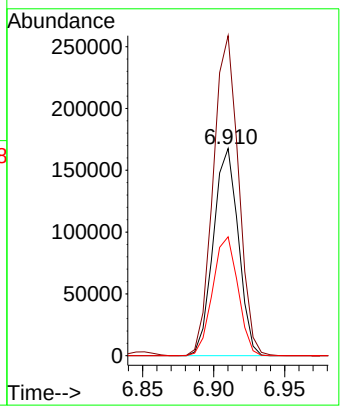


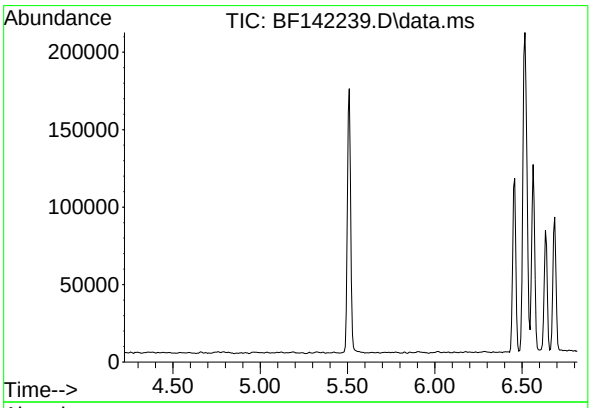
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142239.D
Acq: 30 Apr 2025 11:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 204993

Ion	Ratio	Lower	Upper
152	100		
150	154.4	130.2	195.2
115	57.4	47.0	70.4



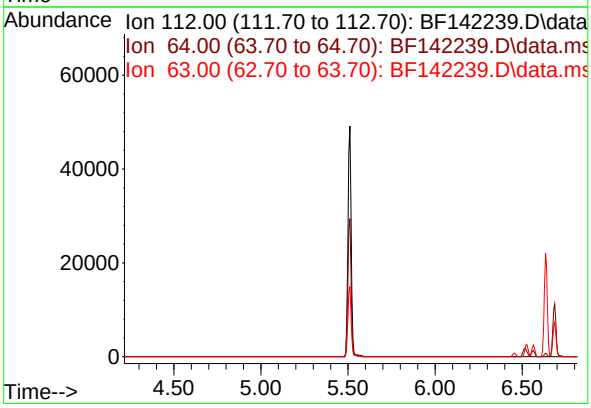


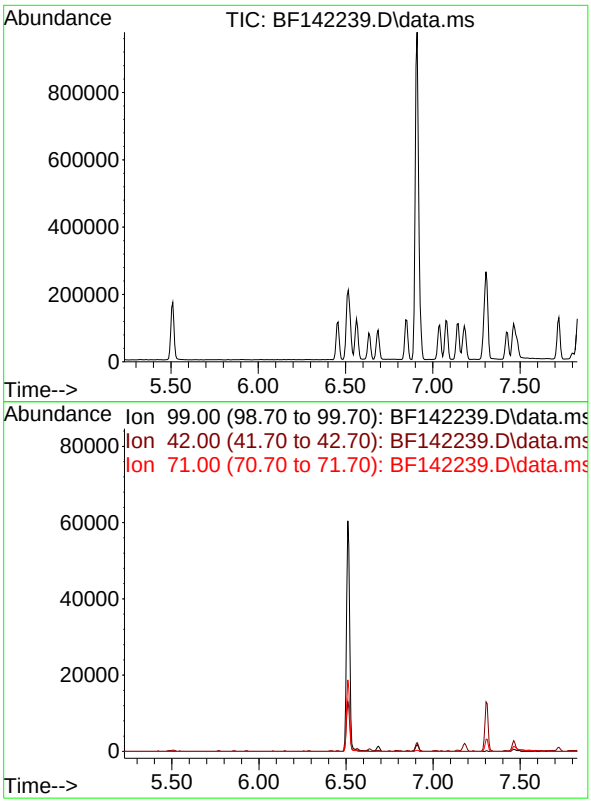
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.52 min

Lab File: BF142239.D
Acq: 30 Apr 2025 11:24

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	60.5
63	31.0





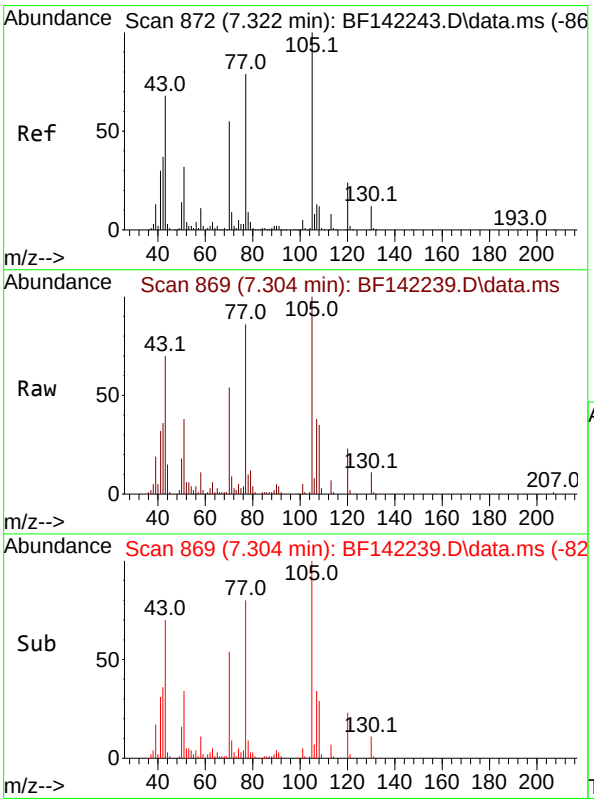
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.53 min

Lab File: BF142239.D
Acq: 30 Apr 2025 11:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

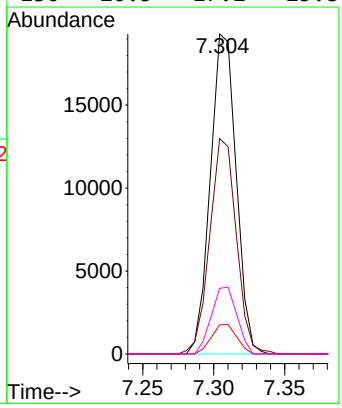
Sig	Exp Ratio
99	100
42	20.4
71	31.2

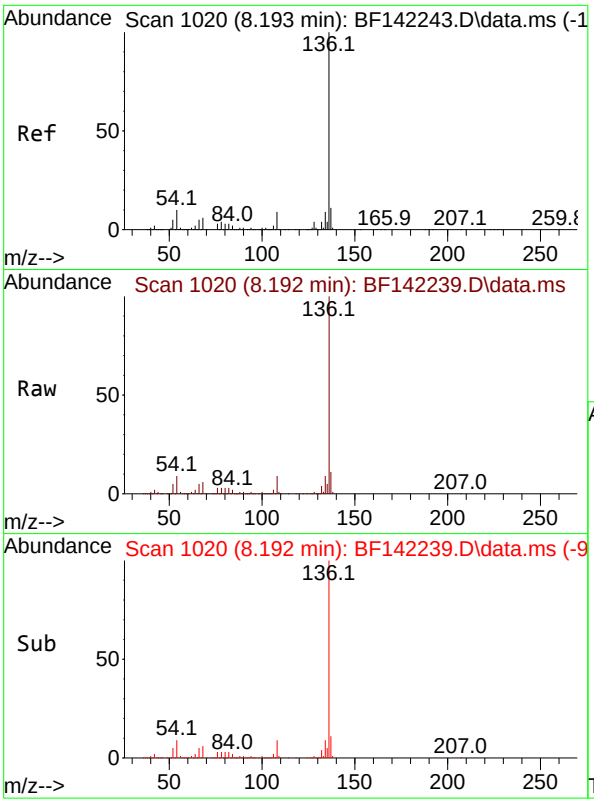


#19
n-Nitroso-di-n-propylamine
Concen: 2.550 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.018 min
Lab File: BF142239.D
Acq: 30 Apr 2025 11:24

Tgt Ion: 70 Resp: 24421

Ion	Ratio	Lower	Upper
70	100		
42	67.3	53.4	80.2
101	9.1	7.7	11.5
130	20.5	17.2	25.8



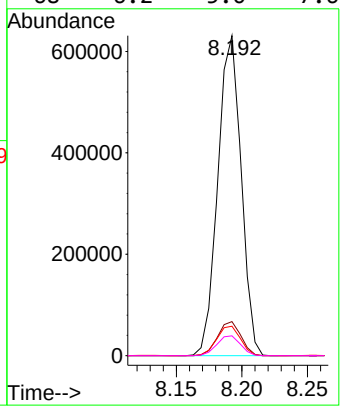


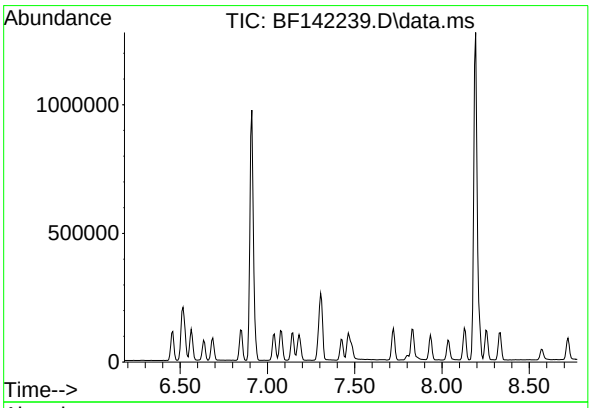
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF142239.D
Acq: 30 Apr 2025 11:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 780462

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	9.2	7.7	11.5
68	6.2	5.0	7.6



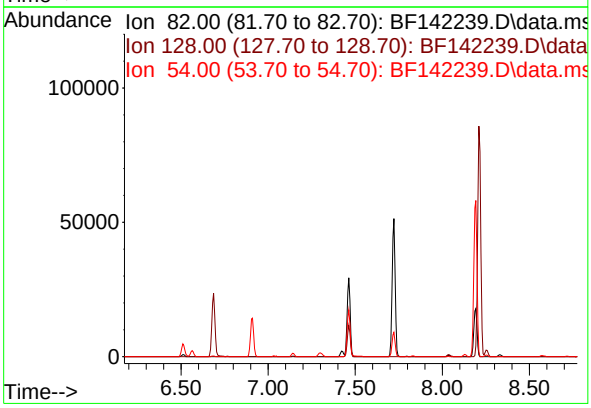


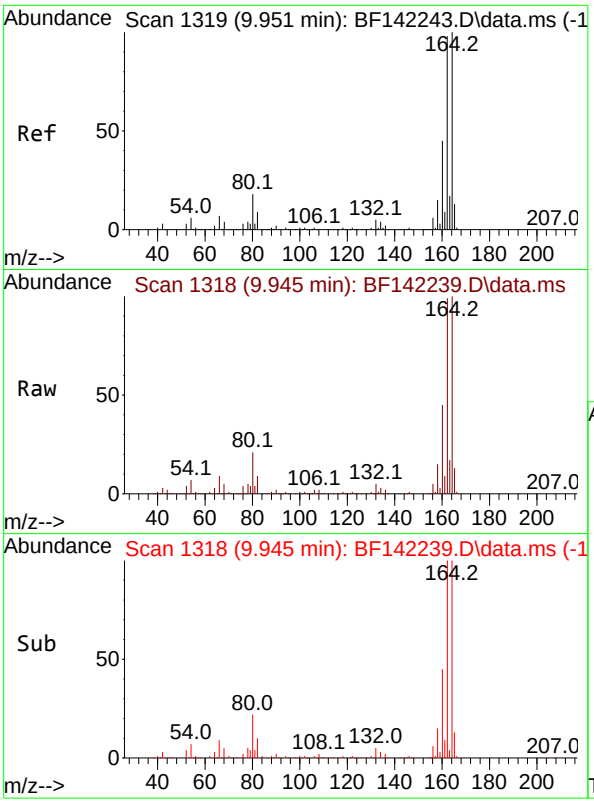
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.47 min

Lab File: BF142239.D
Acq: 30 Apr 2025 11:24

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	46.3
54	60.0



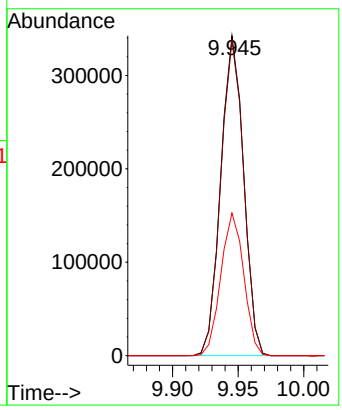


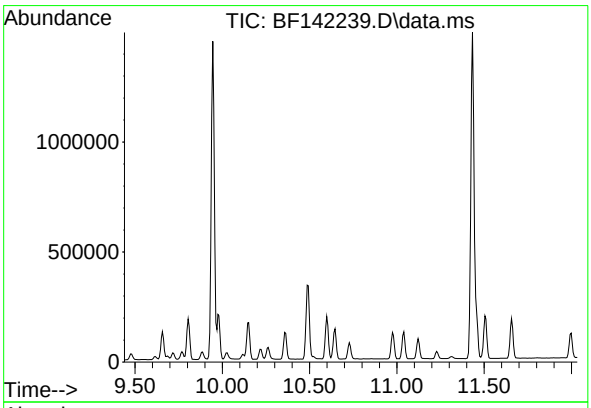
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142239.D
Acq: 30 Apr 2025 11:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 414360

Ion	Ratio	Lower	Upper
164	100		
162	98.5	78.6	117.8
160	44.5	35.7	53.5



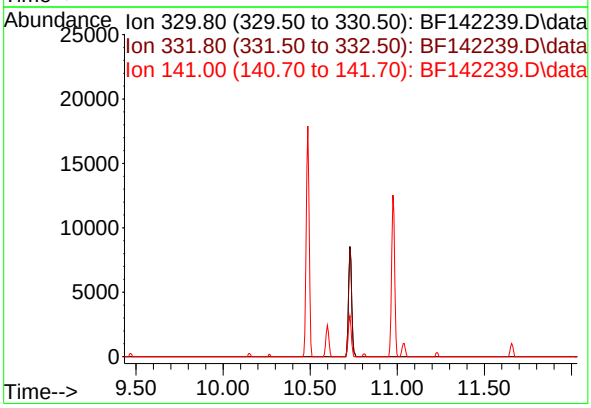


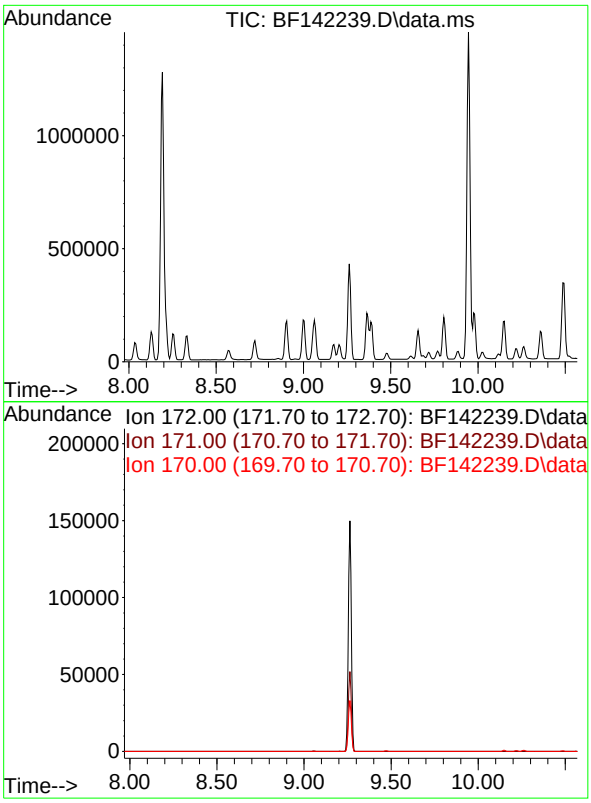
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.73 min

Lab File: BF142239.D
Acq: 30 Apr 2025 11:24

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	95.6
141	30.4





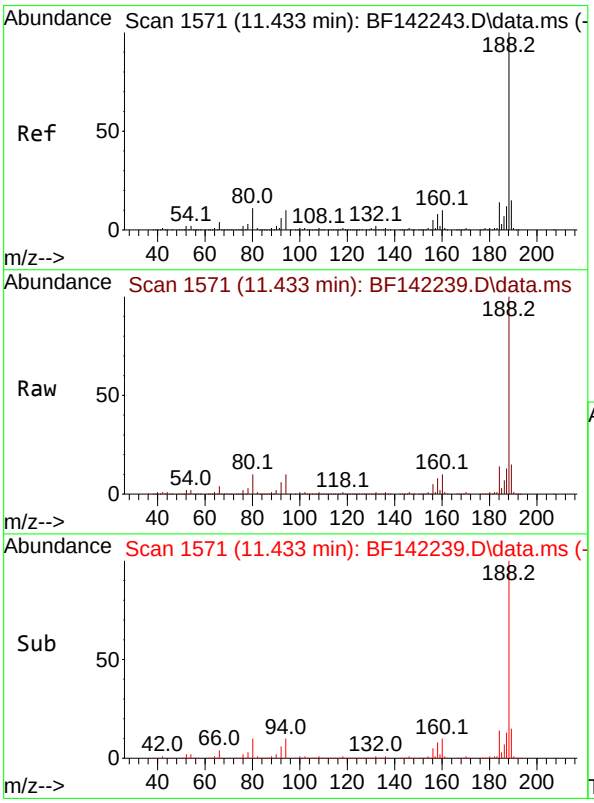
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.27 min

Lab File: BF142239.D
Acq: 30 Apr 2025 11:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

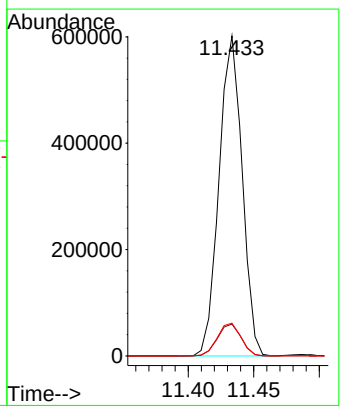
Sig	Exp Ratio
172	100
171	36.2
170	24.2

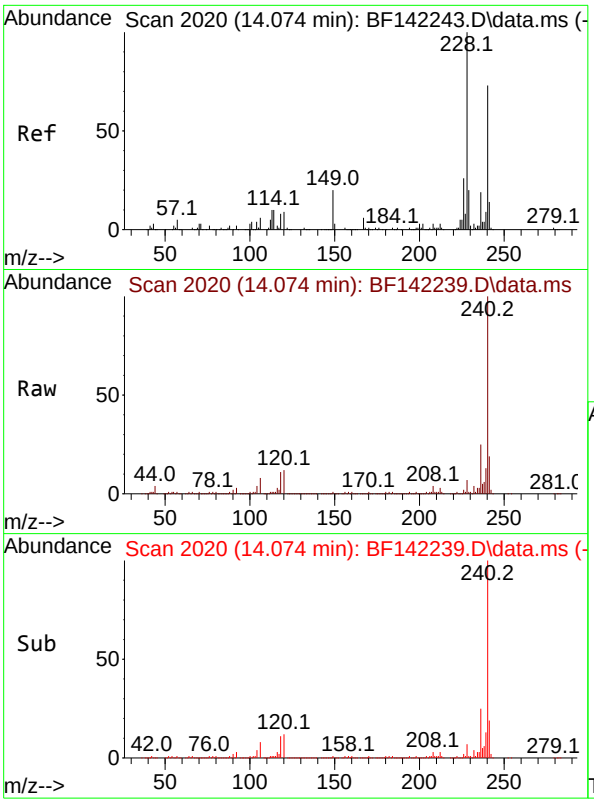


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF142239.D
Acq: 30 Apr 2025 11:24

Tgt Ion:188 Resp: 737147

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.2	12.2
80	10.3	8.6	12.8



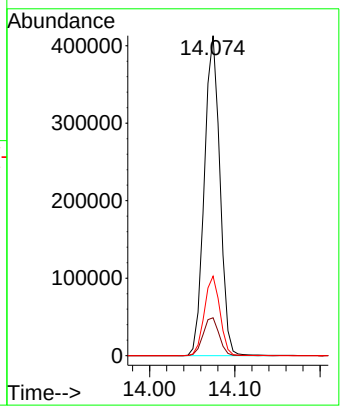


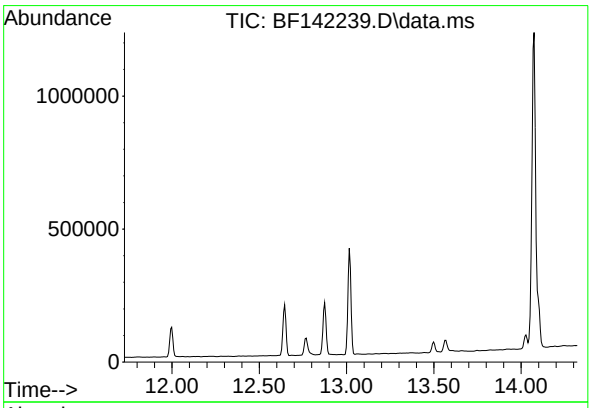
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142239.D
Acq: 30 Apr 2025 11:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 525717

Ion	Ratio	Lower	Upper
240	100		
120	11.8	10.1	15.1
236	24.9	20.5	30.7



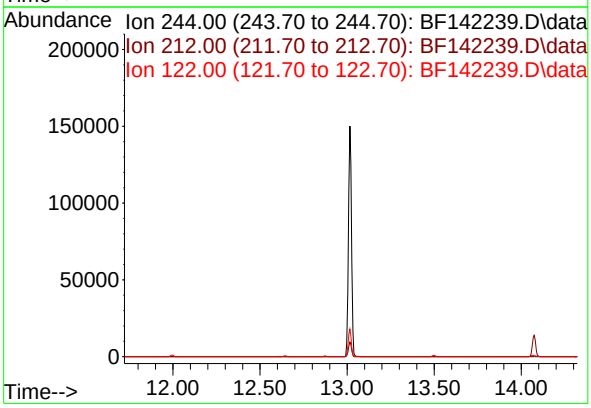


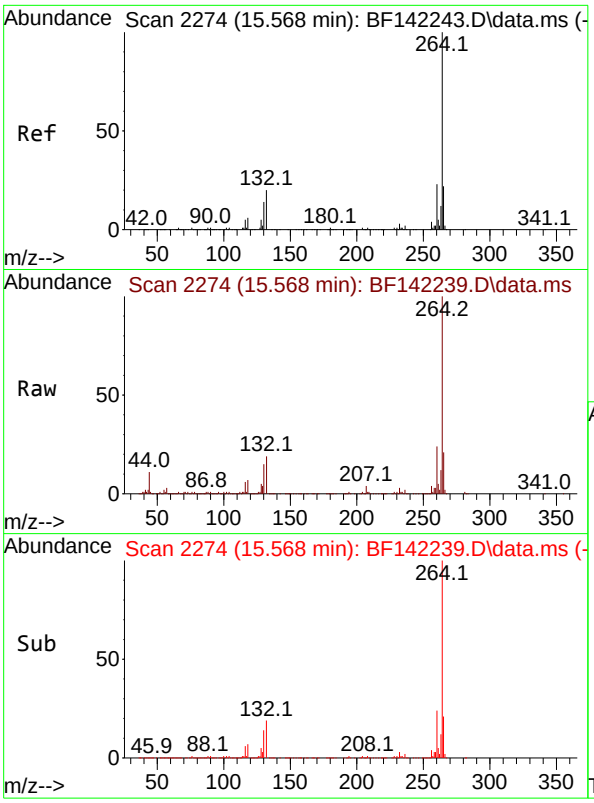
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.02 min

Lab File: BF142239.D
Acq: 30 Apr 2025 11:24

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.6
122	11.4



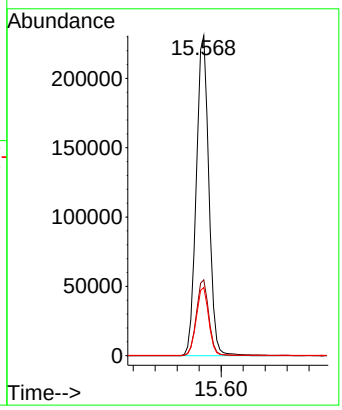


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142239.D
Acq: 30 Apr 2025 11:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 366865

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.4	27.6
265	21.3	17.3	25.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142240.D
Acq On : 30 Apr 2025 11:52
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 30 15:40:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.910	152	187794	20.000	ng		0.00
21) Naphthalene-d8	8.192	136	726978	20.000	ng		0.00
39) Acenaphthene-d10	9.945	164	380022	20.000	ng		0.00
64) Phenanthrene-d10	11.433	188	664931	20.000	ng		0.00
76) Chrysene-d12	14.074	240	454911	20.000	ng		0.00
86) Perylene-d12	15.568	264	322126	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	124307	10.571	ng		0.00
7) Phenol-d6	6.510	99	146414	10.311	ng		-0.02
23) Nitrobenzene-d5	7.463	82	78765	7.118	ng		-0.01
42) 2,4,6-Tribromophenol	10.727	330	26375	7.613	ng		0.00
45) 2-Fluorobiphenyl	9.263	172	330323	12.256	ng		0.00
79) Terphenyl-d14	13.016	244	334852	10.706	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.699	88	26443	5.035	ng		97
3) Pyridine	3.469	79	68779	5.039	ng		99
4) n-Nitrosodimethylamine	3.393	42	35057	4.963	ng	#	97
6) Aniline	6.563	93	103866	5.168	ng		99
8) 2-Chlorophenol	6.687	128	58780	4.838	ng		99
9) Benzaldehyde	6.457	77	54160	5.457	ng		98
10) Phenol	6.528	94	78823	5.157	ng		96
11) bis(2-Chloroethyl)ether	6.634	93	63148	5.331	ng		99
12) 1,3-Dichlorobenzene	6.845	146	73777	5.367	ng		100
13) 1,4-Dichlorobenzene	6.928	146	75604	5.459	ng		97
14) 1,2-Dichlorobenzene	7.075	146	69920	5.289	ng		99
15) Benzyl Alcohol	7.039	79	49136	4.879	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.181	45	111179	5.198	ng		100
17) 2-Methylphenol	7.145	107	50945	5.118	ng		98
18) Hexachloroethane	7.422	117	21958	4.844	ng		96
19) n-Nitroso-di-n-propyla...	7.310	70	46341	5.281	ng		99
20) 3+4-Methylphenols	7.292	107	63725	5.119	ng		93
22) Acetophenone	7.310	105	92806	5.518	ng		96
24) Nitrobenzene	7.481	77	41660	3.837	ng		94
25) Isophorone	7.722	82	119954	5.165	ng		100
26) 2-Nitrophenol	7.804	139	8775	6.901	ng		99
27) 2,4-Dimethylphenol	7.828	122	57217	4.887	ng		97
28) bis(2-Chloroethoxy)met...	7.934	93	77155	5.268	ng		100
29) 2,4-Dichlorophenol	8.034	162	44643	4.560	ng		98
30) 1,2,4-Trichlorobenzene	8.128	180	58177	5.326	ng		99
31) Naphthalene	8.210	128	200969	5.543	ng		99
33) 4-Chloroaniline	8.251	127	81024	5.367	ng		98
34) Hexachlorobutadiene	8.334	225	32676	5.127	ng		97
35) Caprolactam	8.575	113	12427	4.223	ng		100
36) 4-Chloro-3-methylphenol	8.722	107	47673	4.743	ng		99
37) 2-Methylnaphthalene	8.904	142	123458	5.539	ng		97
38) 1-Methylnaphthalene	8.998	142	127274	5.512	ng		99
40) 1,2,4,5-Tetrachloroben...	9.063	216	58967	5.513	ng		97
41) Hexachlorocyclopentadiene	9.057	237	23228	3.827	ng		98
43) 2,4,6-Trichlorophenol	9.175	196	26171	3.949	ng		98
44) 2,4,5-Trichlorophenol	9.204	196	30587	4.390	ng		95

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142240.D
Acq On : 30 Apr 2025 11:52
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

Quant Time: Apr 30 15:40:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.363	154	168456	5.702	ng		98
47) 2-Chloronaphthalene	9.386	162	122469	5.572	ng		98
48) 2-Nitroaniline	9.475	65	11346	6.532	ng		89
49) Acenaphthylene	9.804	152	204157	5.504	ng		99
50) Dimethylphthalate	9.657	163	129376	5.322	ng		100
51) 2,6-Dinitrotoluene	9.716	165	9271	5.846	ng	#	81
52) Acenaphthene	9.975	154	120775	5.577	ng		99
53) 3-Nitroaniline	9.886	138	13576	5.423	ng	#	88
55) Dibenzofuran	10.151	168	183405	5.649	ng		98
57) 2,4-Dinitrotoluene	10.116	165	9928	6.601	ng	#	85
58) Fluorene	10.492	166	141835	5.746	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.263	232	23974m	4.154	ng		
60) Diethylphthalate	10.363	149	125748	5.238	ng		99
61) 4-Chlorophenyl-phenyle...	10.486	204	66676	5.688	ng		98
62) 4-Nitroaniline	10.492	138	13695	5.254	ng	#	76
63) Azobenzene	10.645	77	127873	5.394	ng		99
66) n-Nitrosodiphenylamine	10.598	169	120800	5.317	ng		100
67) 4-Bromophenyl-phenylether	10.975	248	37248	5.030	ng		97
68) Hexachlorobenzene	11.039	284	42558	5.131	ng		98
69) Atrazine	11.122	200	27629	4.614	ng		98
71) Phenanthrene	11.457	178	202460	5.637	ng		98
72) Anthracene	11.504	178	200946	5.472	ng		98
73) Carbazole	11.657	167	186963	5.581	ng		98
74) Di-n-butylphthalate	11.998	149	163860	4.864	ng		99
75) Fluoranthene	12.645	202	202911	5.715	ng		98
77) Benzidine	12.769	184	79877	4.132	ng		98
78) Pyrene	12.874	202	208462	4.968	ng		99
80) Butylbenzylphthalate	13.498	149	24840	5.714	ng		96
81) Benzo(a)anthracene	14.063	228	156840	5.136	ng		99
82) 3,3'-Dichlorobenzidine	14.027	252	32503	3.623	ng		94
83) Chrysene	14.098	228	148119	5.328	ng		98
84) Bis(2-ethylhexyl)phtha...	14.063	149	43692	6.006	ng		99
87) Indeno(1,2,3-cd)pyrene	17.068	276	106554	4.516	ng		98
88) Benzo(b)fluoranthene	15.121	252	106072	5.301	ng		100
89) Benzo(k)fluoranthene	15.151	252	97496	5.327	ng		99
90) Benzo(a)pyrene	15.498	252	90284	4.928	ng		99
91) Dibenzo(a,h)anthracene	17.086	278	86557	4.520	ng		100
92) Benzo(g,h,i)perylene	17.521	276	86631	4.500	ng		99

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

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142240.D
Acq On : 30 Apr 2025 11:52
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 30 15:40:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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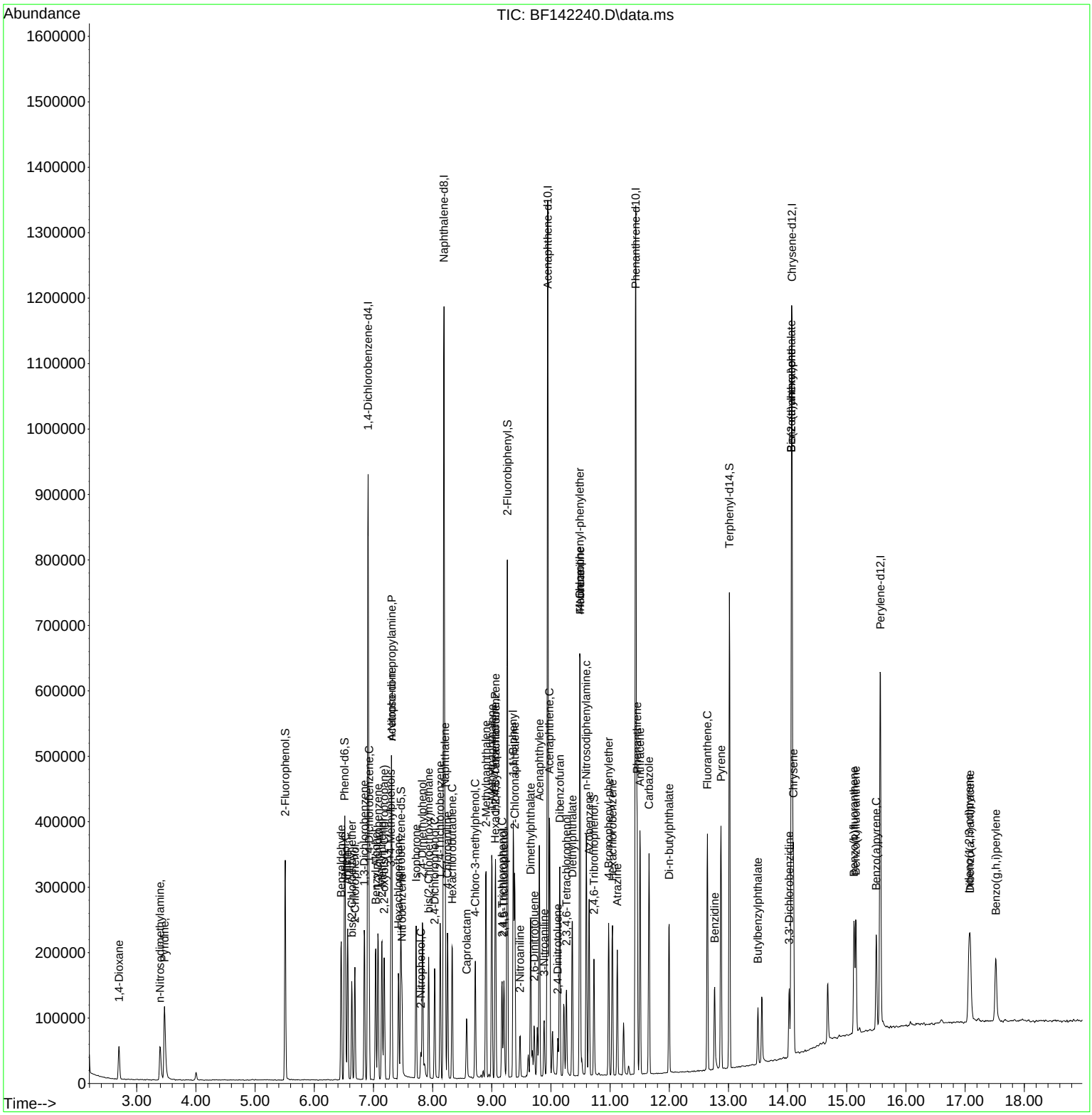
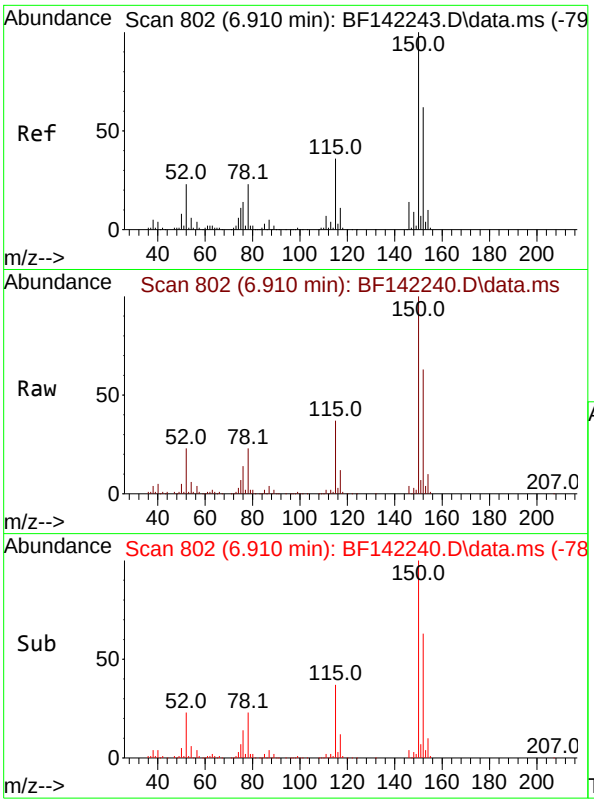
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

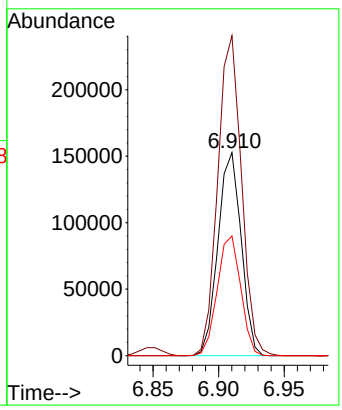




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:152 Resp: 18779

Ion	Ratio	Lower	Upper
152	100		
150	157.6	130.2	195.2
115	58.9	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
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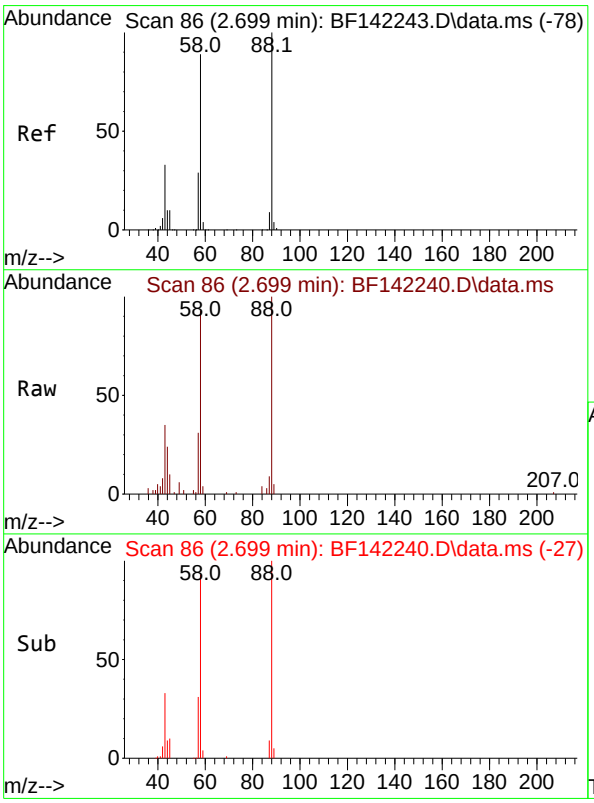
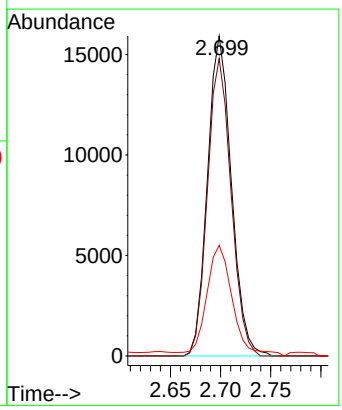
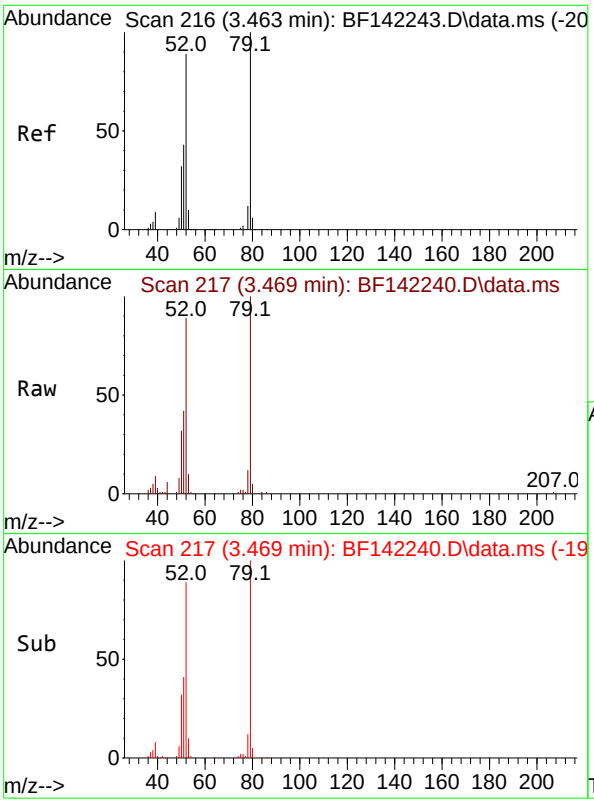


#2
1,4-Dioxane
Concen: 5.035 ng
RT: 2.699 min Scan# 86
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 88 Resp: 26443

Ion	Ratio	Lower	Upper
88	100		
58	91.8	72.2	108.2
43	37.4	27.0	40.6





#3
Pyridine
Concen: 5.039 ng
RT: 3.469 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 79 Resp: 6877

Ion	Ratio	Lower	Upper
79	100		
52	88.7	71.5	107.3
51	42.1	34.5	51.7

Instrument :
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ClientSampleId :
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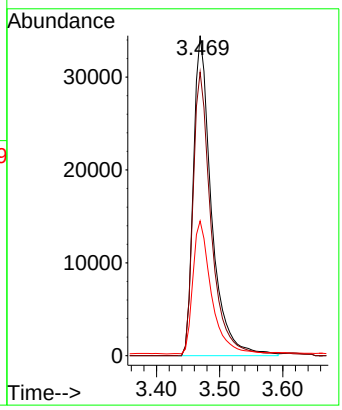
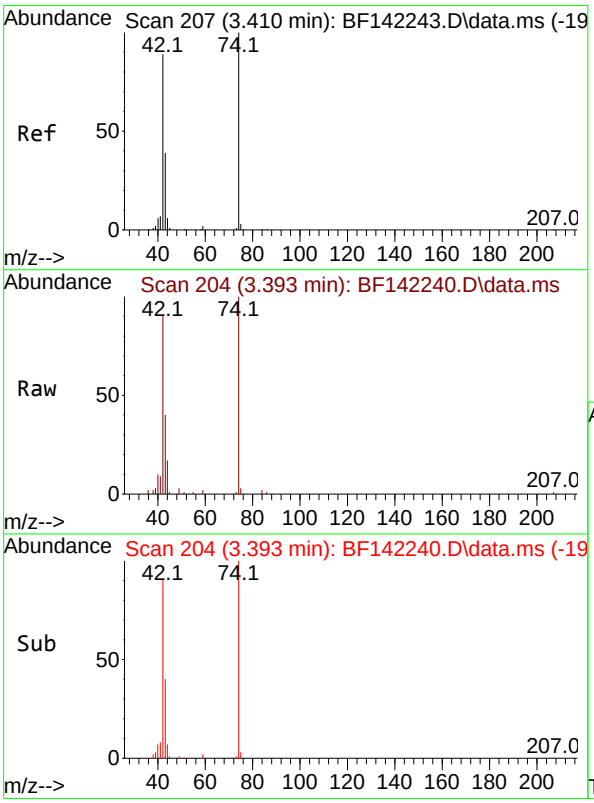
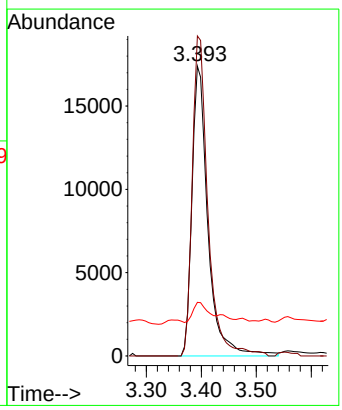


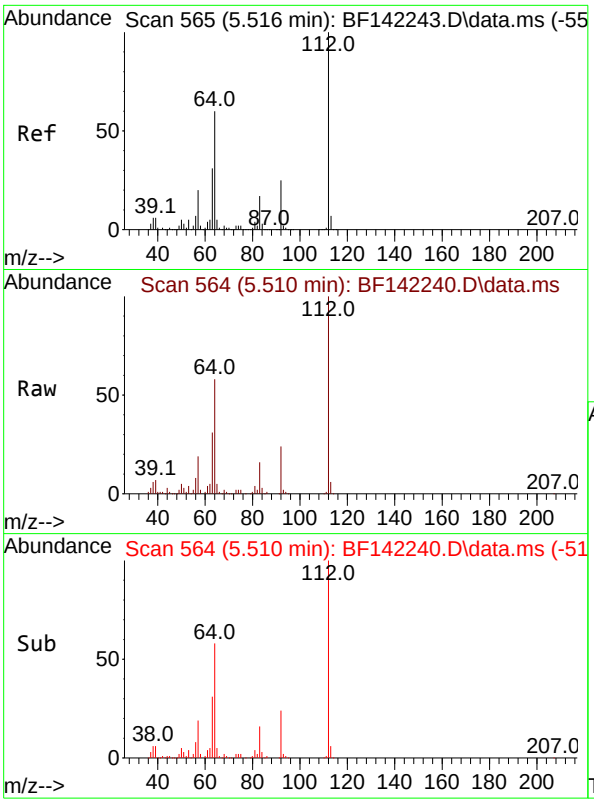


#4
n-Nitrosodimethylamine
Concen: 4.963 ng
RT: 3.393 min Scan# 204
Delta R.T. -0.018 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 42 Resp: 35057

Ion	Ratio	Lower	Upper
42	100		
74	110.4	89.5	134.3
44	18.5	6.6	9.8#

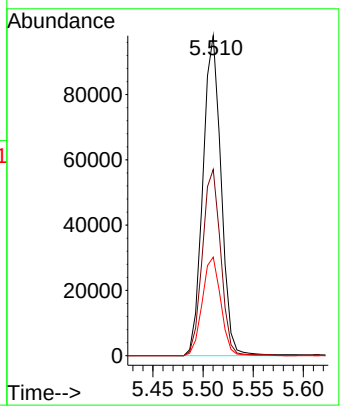




#5
2-Fluorophenol
Concen: 10.571 ng
RT: 5.510 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:112 Resp: 12430

Ion	Ratio	Lower	Upper
112	100		
64	58.2	48.4	72.6
63	30.8	24.8	37.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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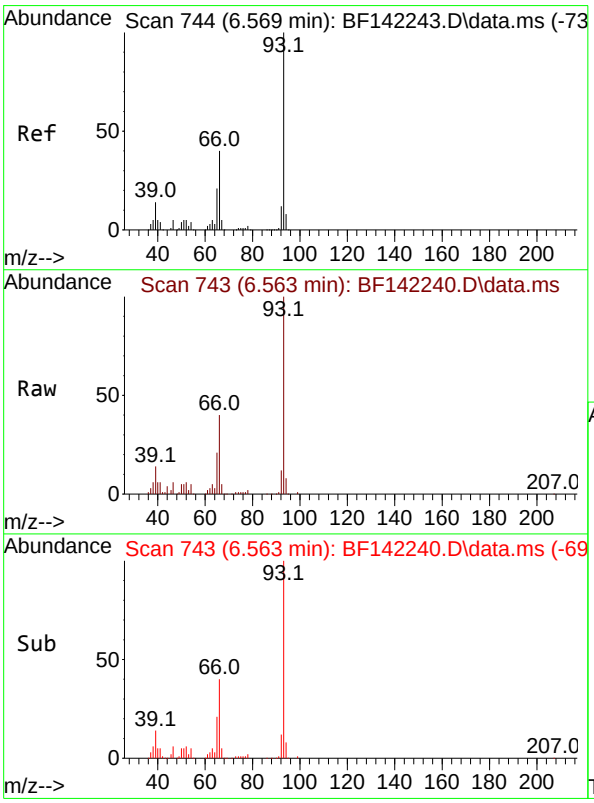
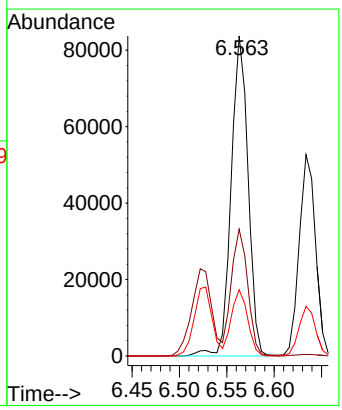
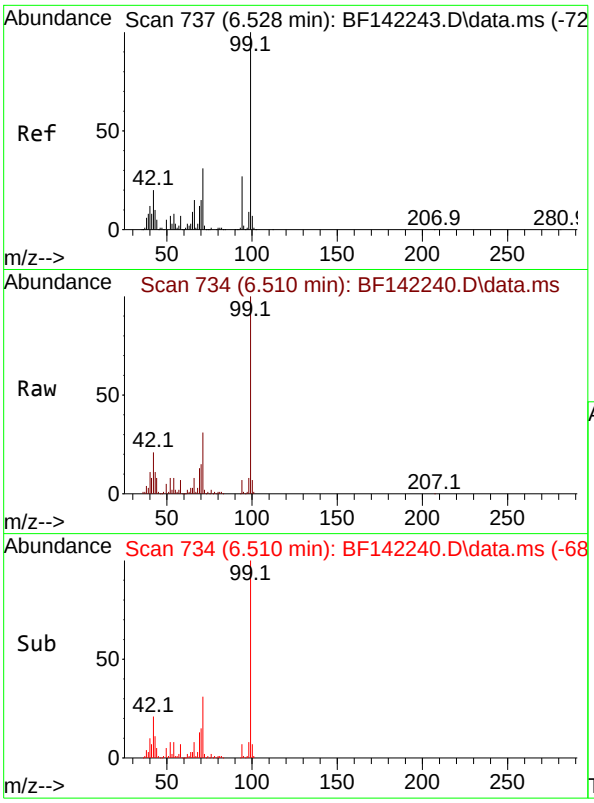


#6
Aniline
Concen: 5.168 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 93 Resp: 103866

Ion	Ratio	Lower	Upper
93	100		
66	39.6	32.1	48.1
65	20.7	16.6	24.8

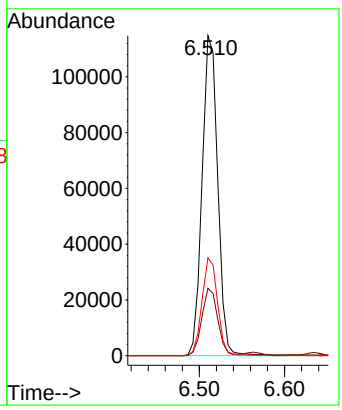




#7
Phenol-d6
Concen: 10.311 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 99 Resp: 14641

Ion	Ratio	Lower	Upper
99	100		
42	21.1	16.3	24.5
71	30.6	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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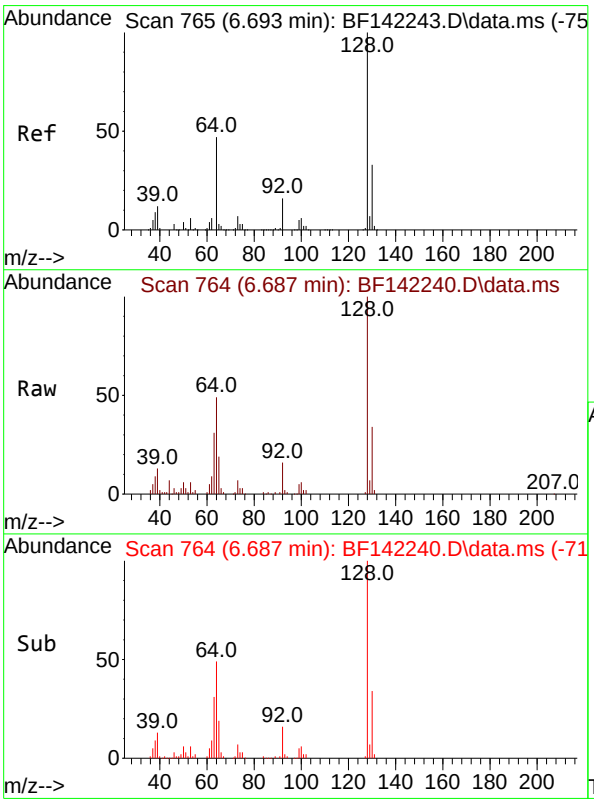
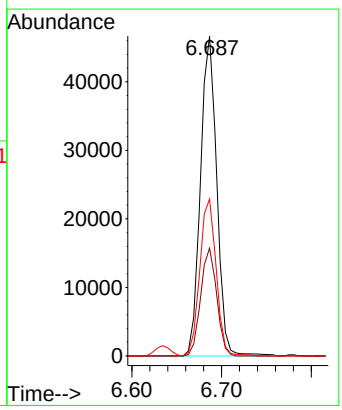
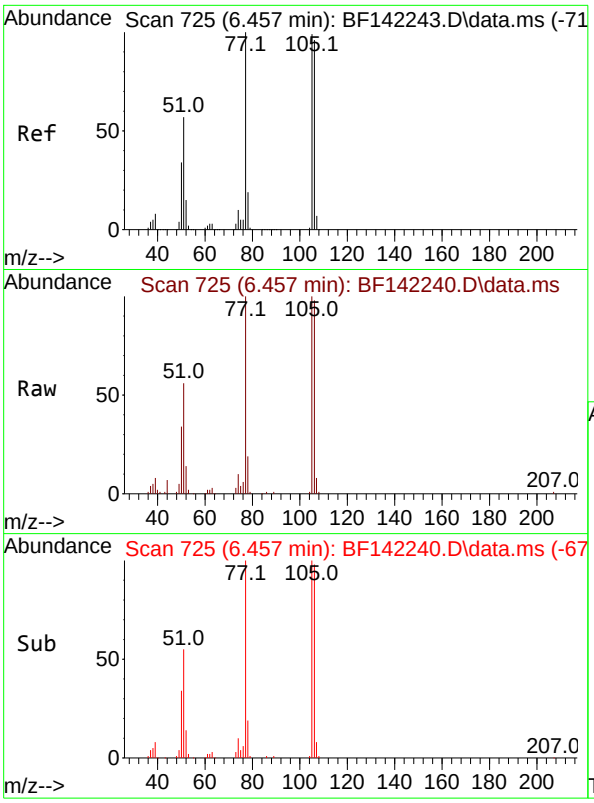


#8
2-Chlorophenol
Concen: 4.838 ng
RT: 6.687 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:128 Resp: 58780

Ion	Ratio	Lower	Upper
128	100		
130	33.7	13.1	53.1
64	49.0	28.6	68.6

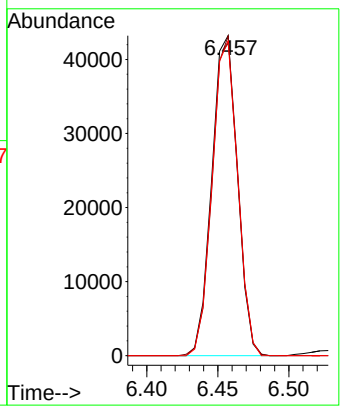




#9
Benzaldehyde
Concen: 5.457 ng
RT: 6.457 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 77 Resp: 5416

Ion	Ratio	Lower	Upper
77	100		
105	99.9	79.1	119.1
106	98.3	76.0	116.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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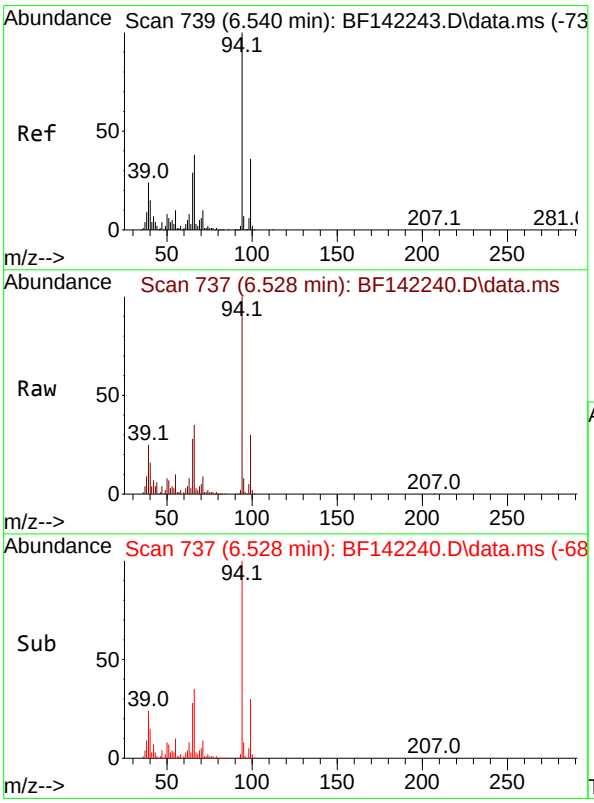
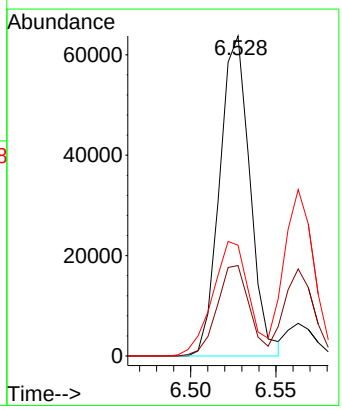
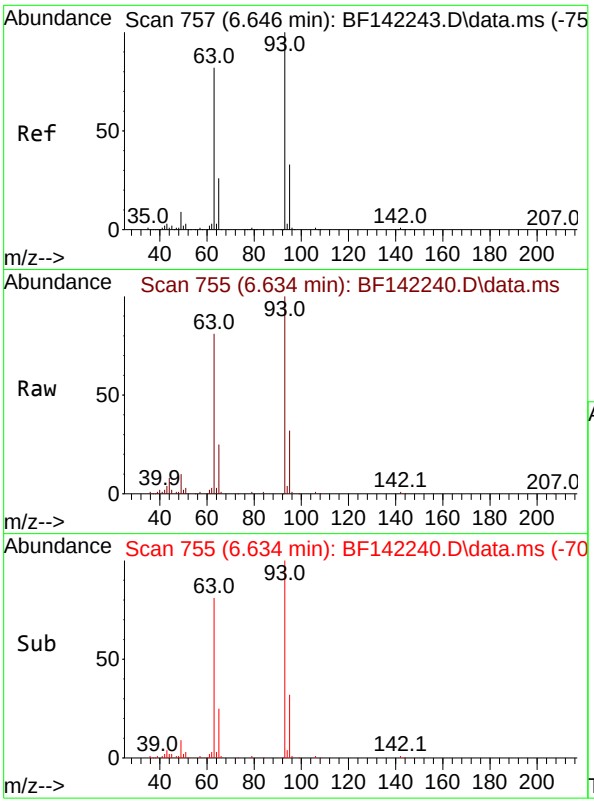


#10
Phenol
Concen: 5.157 ng
RT: 6.528 min Scan# 737
Delta R.T. -0.012 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 94 Resp: 78823

Ion	Ratio	Lower	Upper
94	100		
65	28.3	8.9	48.9
66	34.6	18.7	58.7

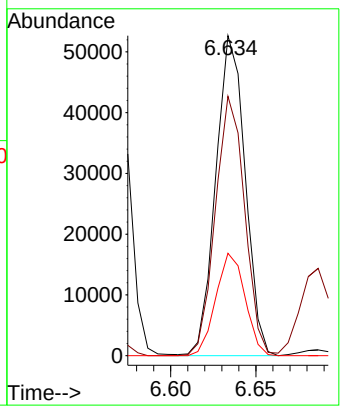




#11
bis(2-Chloroethyl)ether
Concen: 5.331 ng
RT: 6.634 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 93 Resp: 6314

Ion	Ratio	Lower	Upper
93	100		
63	81.0	62.2	102.2
95	32.0	12.7	52.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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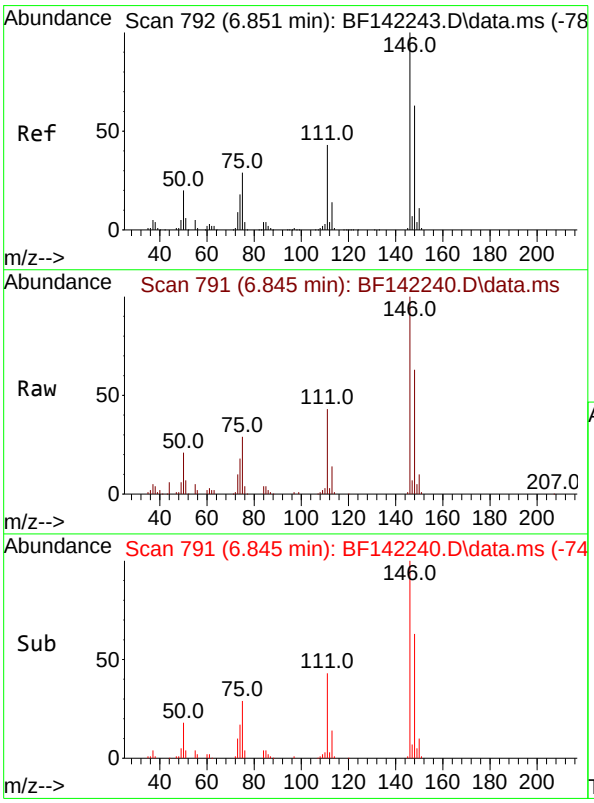
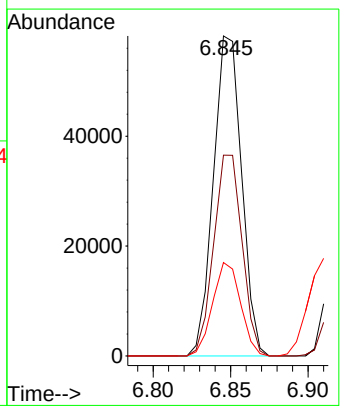
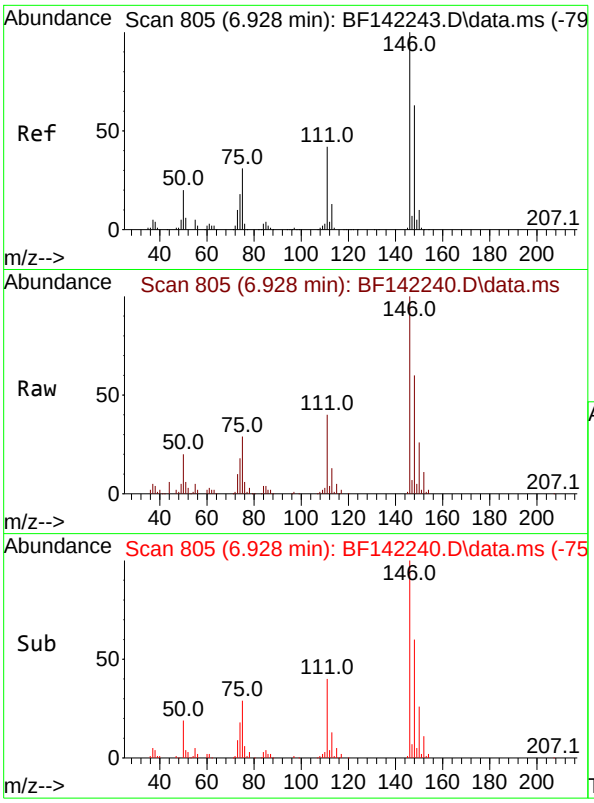


#12
1,3-Dichlorobenzene
Concen: 5.367 ng
RT: 6.845 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:146 Resp: 73777

Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.5	75.7
75	29.2	23.2	34.8

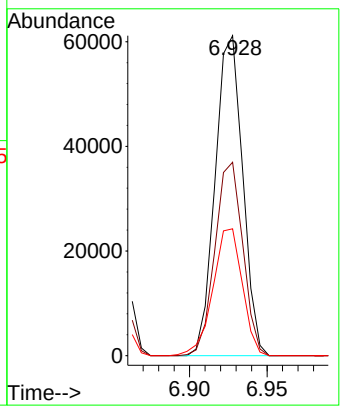




#13
1,4-Dichlorobenzene
Concen: 5.459 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:146 Resp: 7560

Ion	Ratio	Lower	Upper
146	100		
148	60.5	50.6	76.0
111	39.6	33.4	50.0



Instrument :
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ClientSampleId :
SSTDICC005

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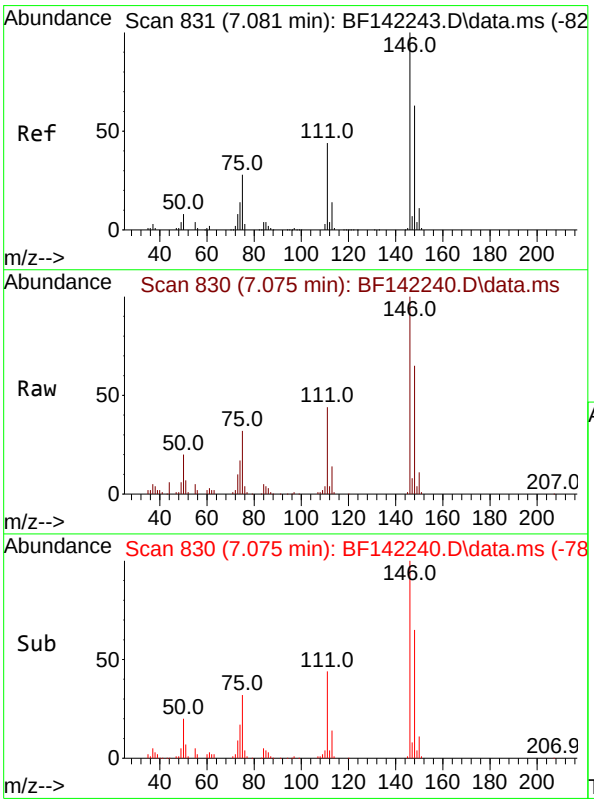
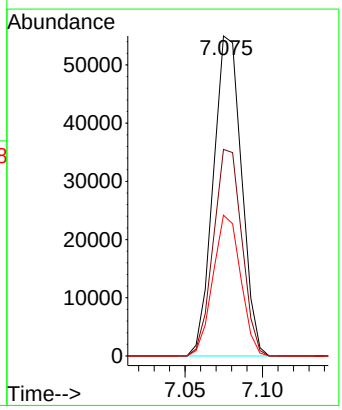
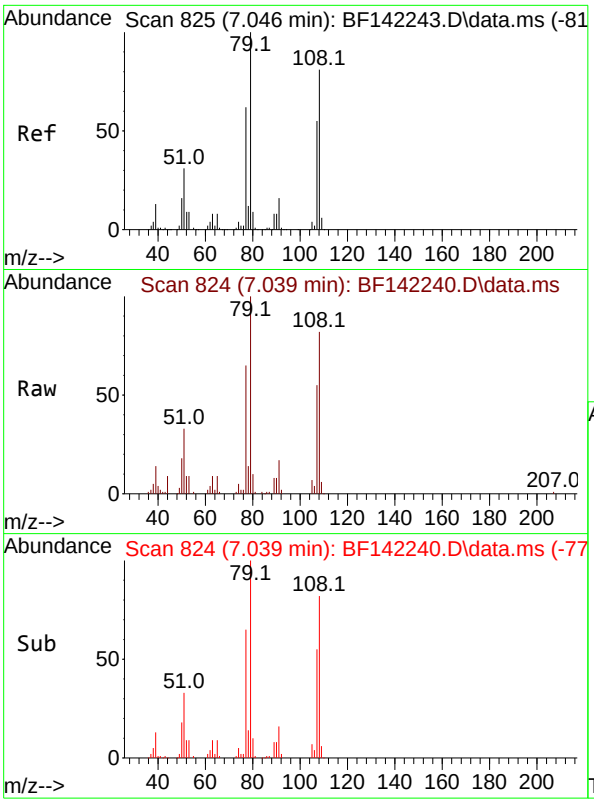


#14
1,2-Dichlorobenzene
Concen: 5.289 ng
RT: 7.075 min Scan# 830
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:146 Resp: 69920

Ion	Ratio	Lower	Upper
146	100		
148	64.6	50.5	75.7
111	44.0	34.9	52.3

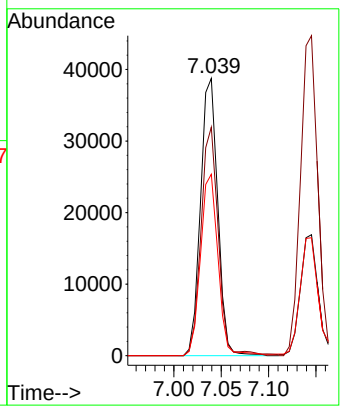




#15
Benzyl Alcohol
Concen: 4.879 ng
RT: 7.039 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 79 Resp: 4913

Ion	Ratio	Lower	Upper
79	100		
108	82.4	64.5	96.7
77	65.4	49.2	73.8



Instrument :
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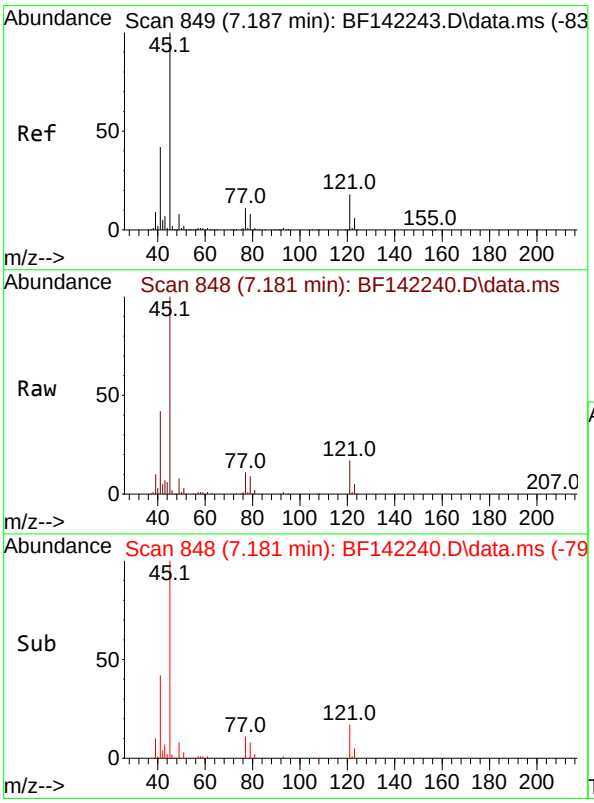
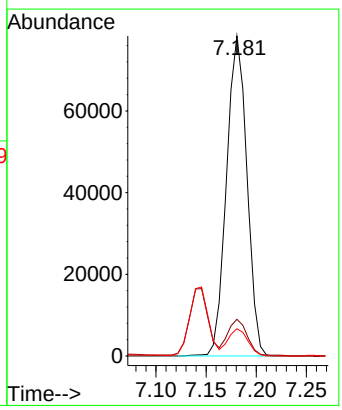
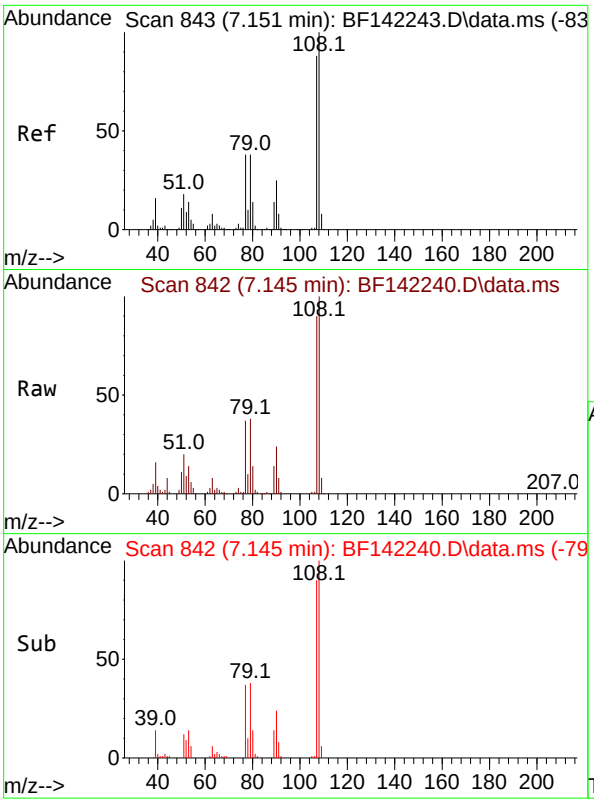


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.198 ng
RT: 7.181 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 45 Resp: 111179

Ion	Ratio	Lower	Upper
45	100		
77	11.5	0.0	31.3
79	8.5	0.0	28.5

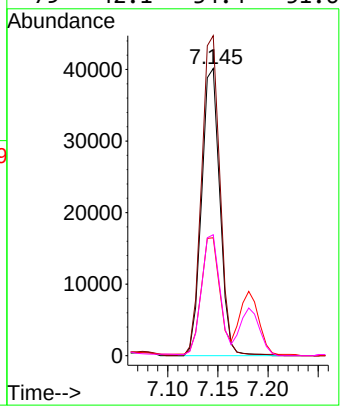




#17
2-Methylphenol
Concen: 5.118 ng
RT: 7.145 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:107 Resp: 5094

Ion	Ratio	Lower	Upper
107	100		
108	111.4	91.0	136.4
77	41.1	34.4	51.6
79	42.1	34.4	51.6



Instrument :
BNA_F
ClientSampleId :
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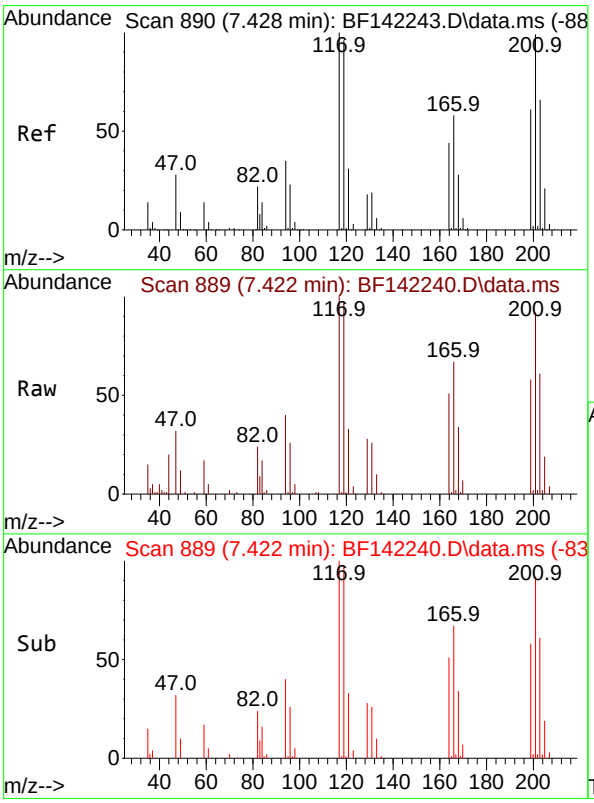
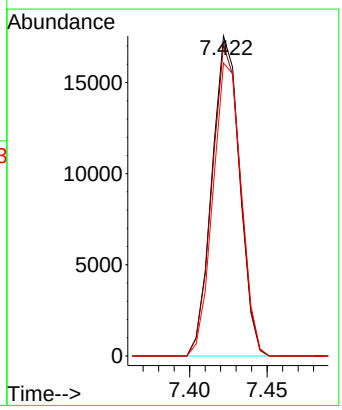
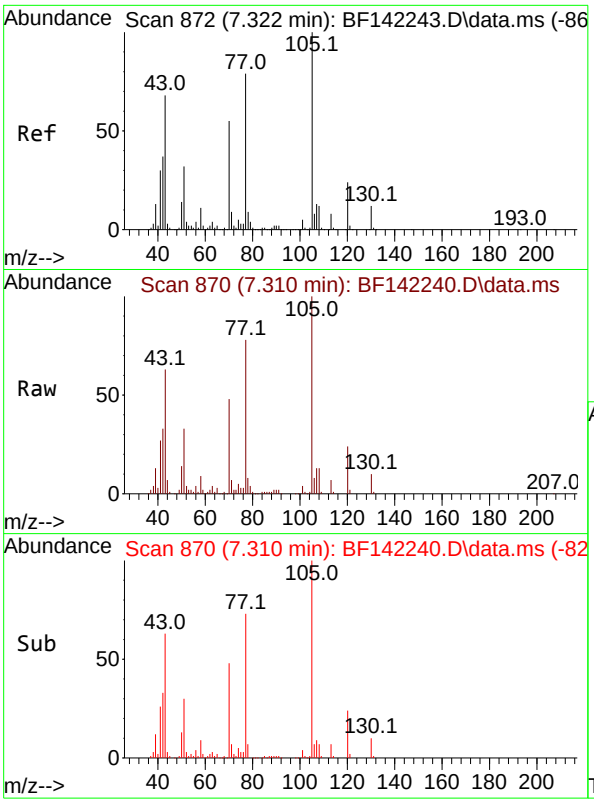


#18
Hexachloroethane
Concen: 4.844 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:117 Resp: 21958

Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.1	115.7
201	91.6	79.4	119.2

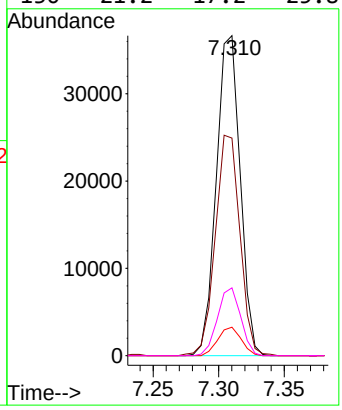




#19
n-Nitroso-di-n-propylamine
Concen: 5.281 ng
RT: 7.310 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 70 Resp: 4634

Ion	Ratio	Lower	Upper
70	100		
42	68.0	53.4	80.2
101	8.9	7.7	11.5
130	21.2	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
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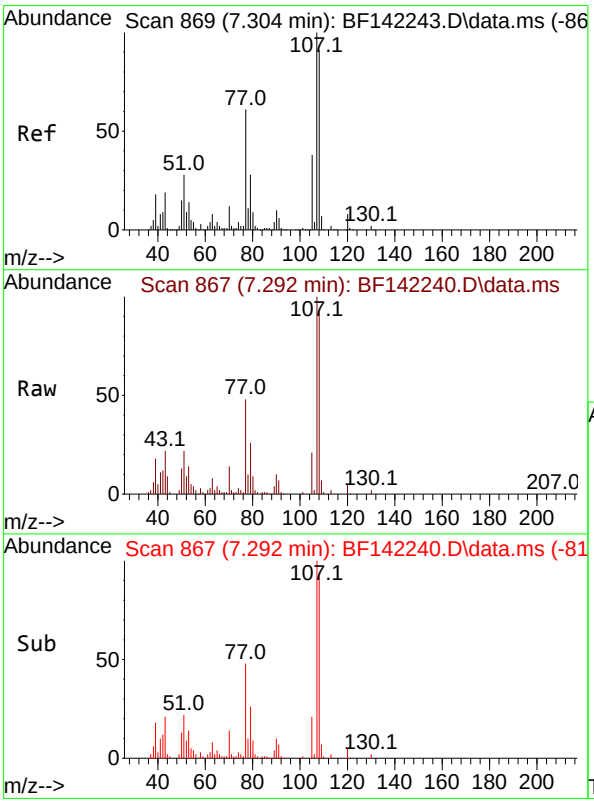
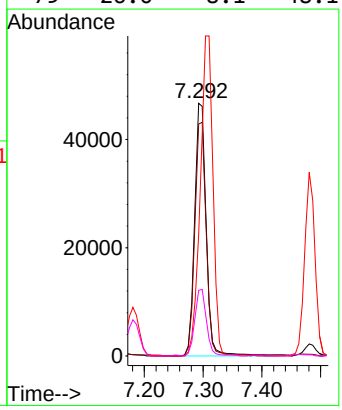
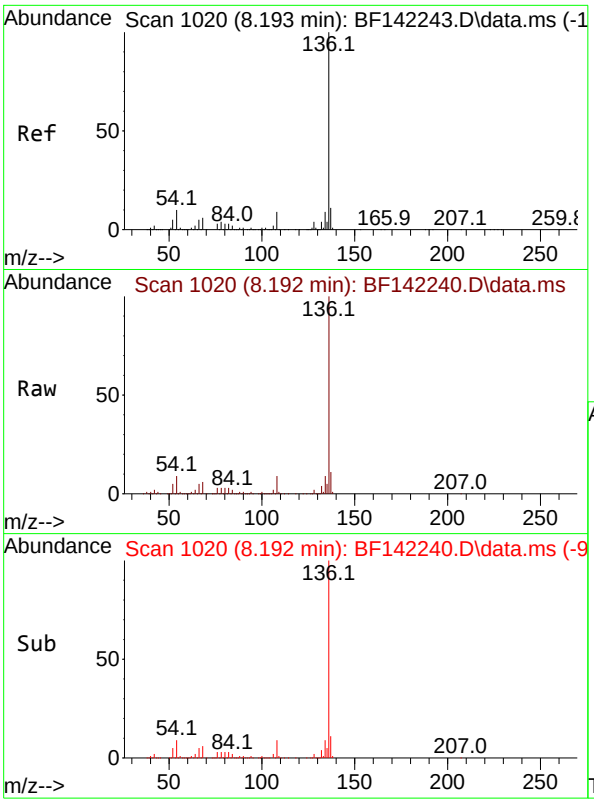


#20
3+4-Methylphenols
Concen: 5.119 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:107 Resp: 63725

Ion	Ratio	Lower	Upper
107	100		
108	91.8	71.2	111.2
77	48.0	41.1	81.1
79	26.0	8.1	48.1

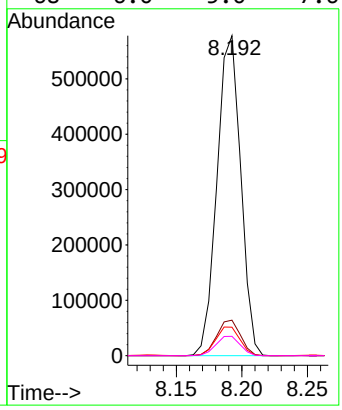




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:136 Resp: 72697

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	8.9	7.7	11.5
68	6.0	5.0	7.6



Instrument :
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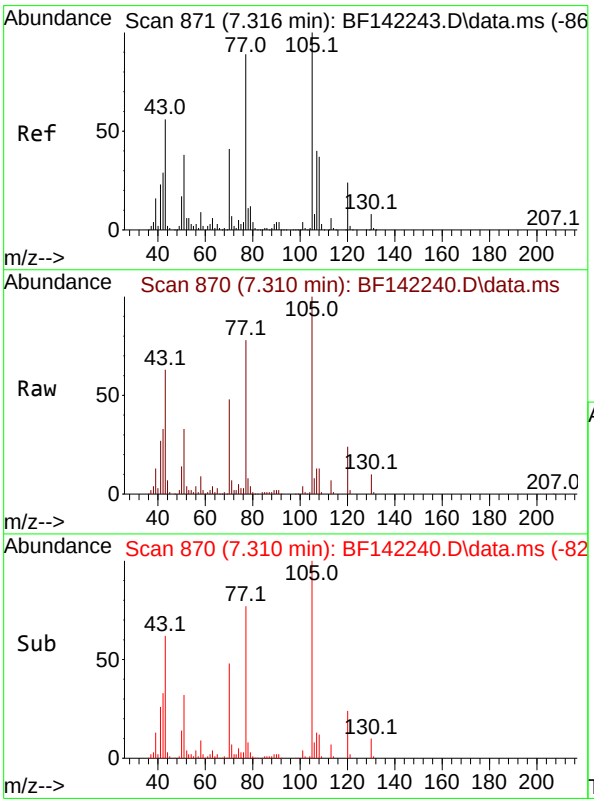
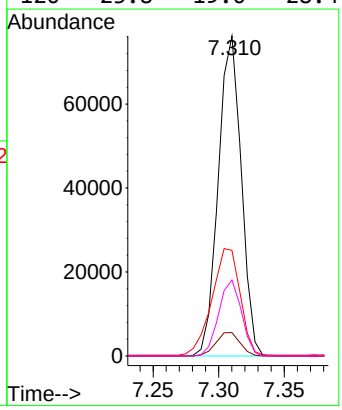
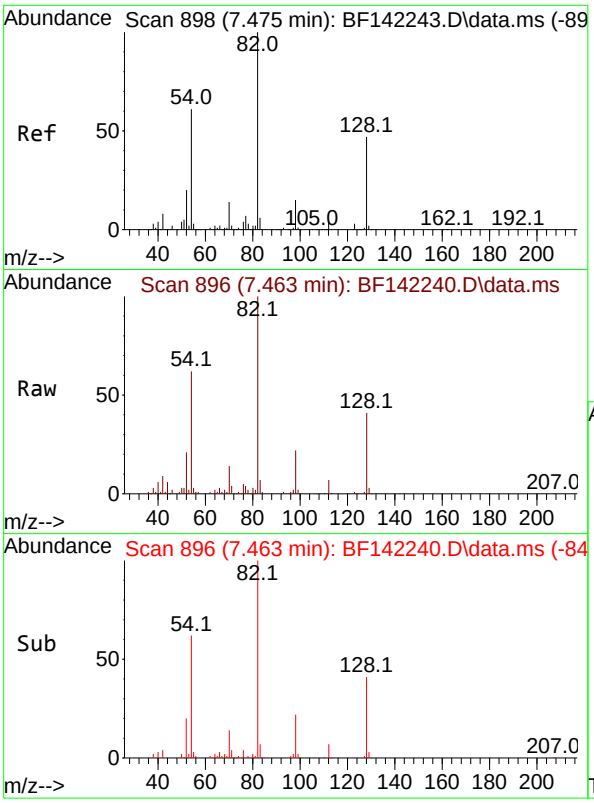


#22
Acetophenone
Concen: 5.518 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:105 Resp: 92806

Ion	Ratio	Lower	Upper
105	100		
71	7.3	5.7	8.5
51	33.0	30.1	45.1
120	23.8	19.0	28.4





#23
Nitrobenzene-d5
Concen: 7.118 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 82 Resp: 7876

Ion	Ratio	Lower	Upper
82	100		
128	40.7	37.0	55.6
54	62.4	48.0	72.0

Instrument :
BNA_F
ClientSampleId :
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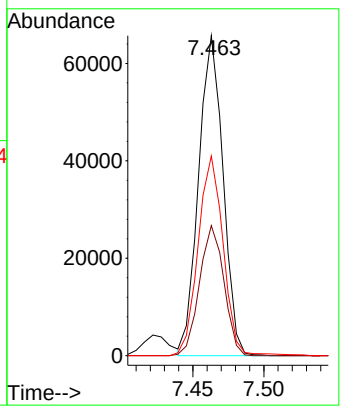
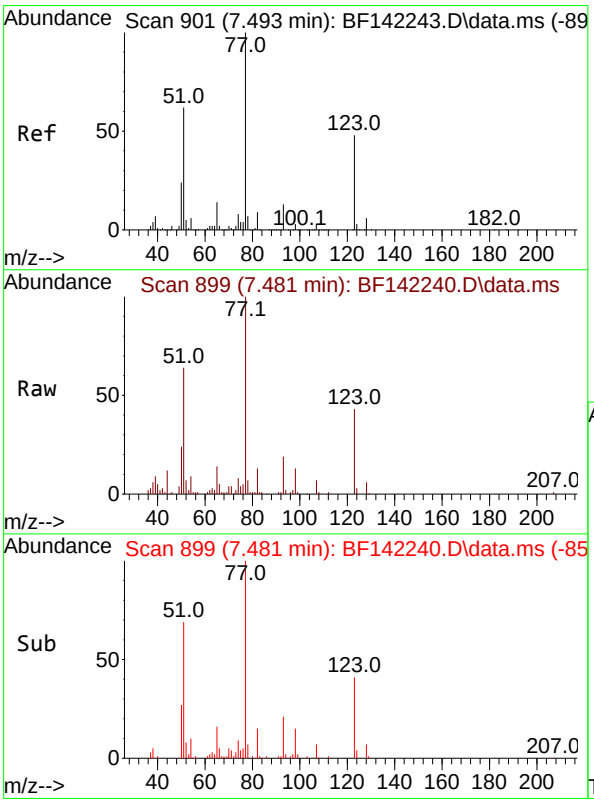
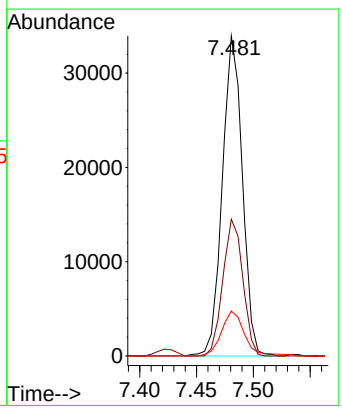


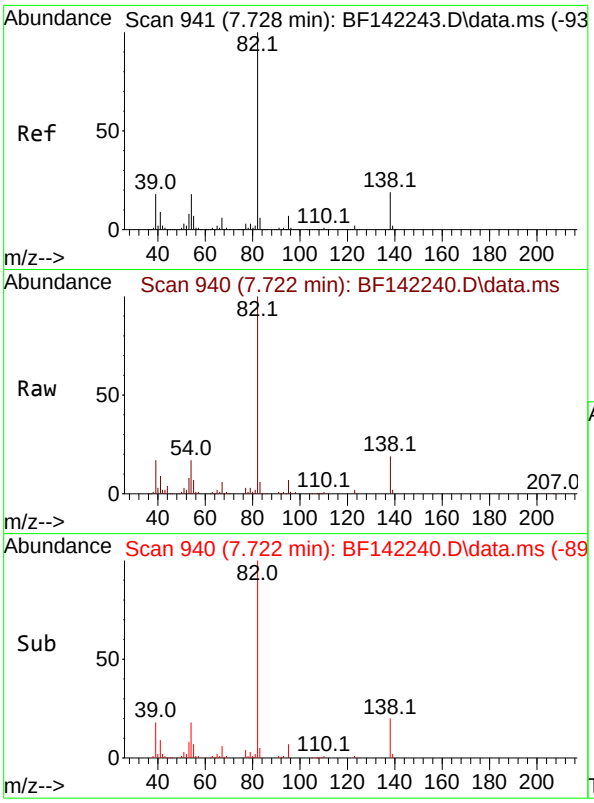


#24
Nitrobenzene
Concen: 3.837 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 77 Resp: 41660

Ion	Ratio	Lower	Upper
77	100		
123	42.7	38.6	58.0
65	14.1	11.5	17.3

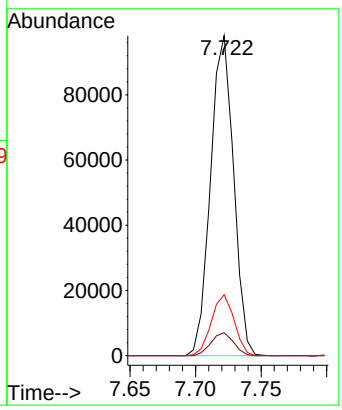




#25
Isophorone
Concen: 5.165 ng
RT: 7.722 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 82 Resp: 11995

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.6	8.4
138	19.0	15.3	22.9



Instrument :
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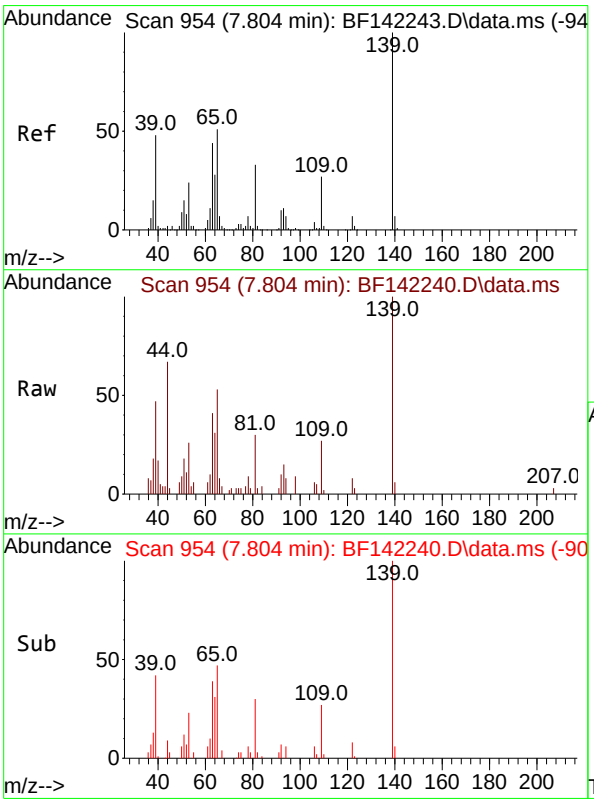
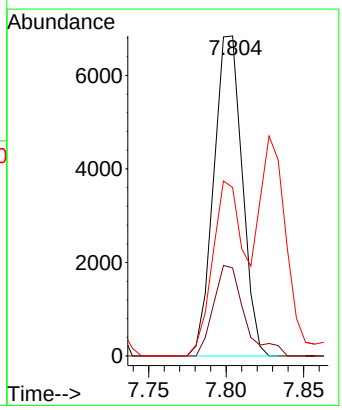
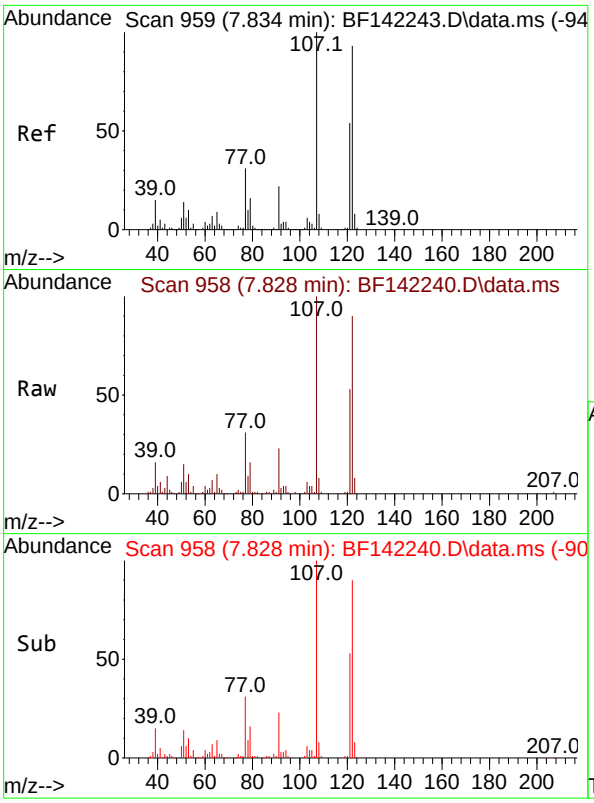


#26
2-Nitrophenol
Concen: 6.901 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:139 Resp: 8775

Ion	Ratio	Lower	Upper
139	100		
109	27.5	21.8	32.8
65	52.6	41.1	61.7

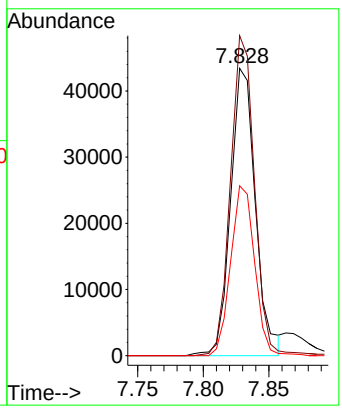




#27
2,4-Dimethylphenol
Concen: 4.887 ng
RT: 7.828 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:122 Resp: 5721

Ion	Ratio	Lower	Upper
122	100		
107	111.3	86.0	129.0
121	59.1	46.3	69.5



Instrument :
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ClientSampleId :
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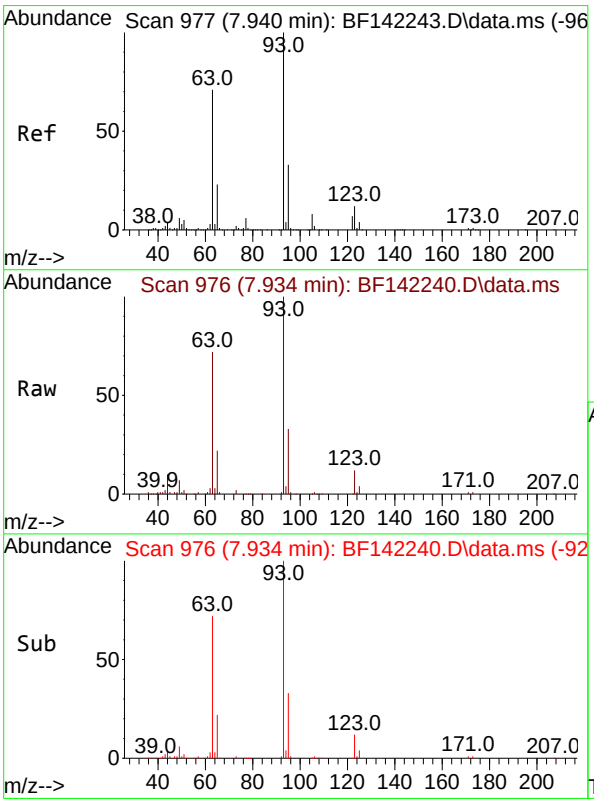
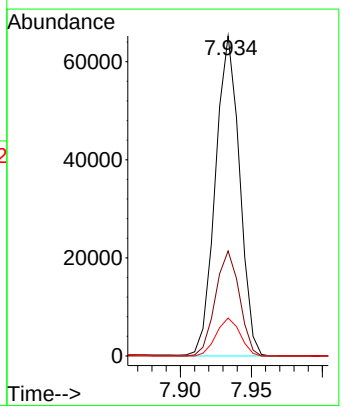
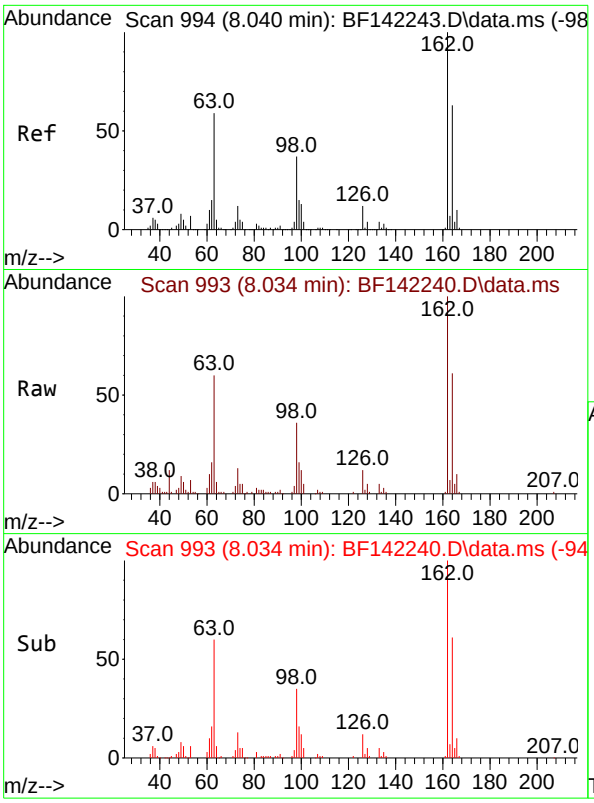


#28
bis(2-Chloroethoxy)methane
Concen: 5.268 ng
RT: 7.934 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 93 Resp: 77155

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.2
123	11.8	9.7	14.5





#29
2,4-Dichlorophenol
Concen: 4.560 ng
RT: 8.034 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:162 Resp: 4464

Ion	Ratio	Lower	Upper
162	100		
164	60.8	43.0	83.0
98	36.0	16.7	56.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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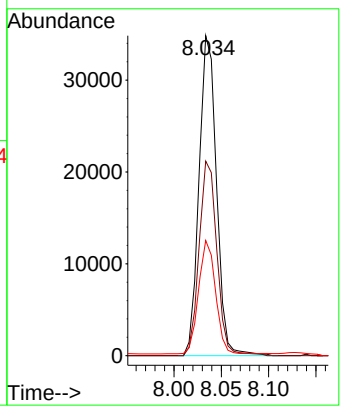
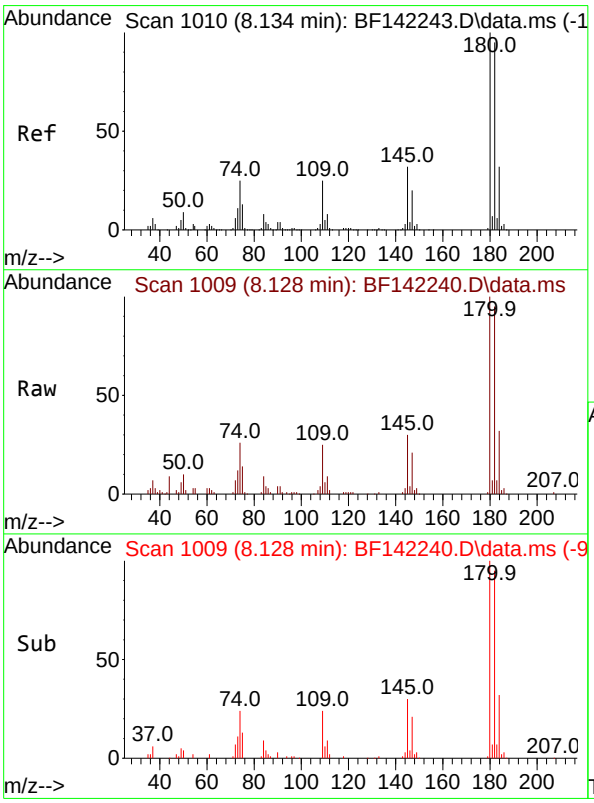
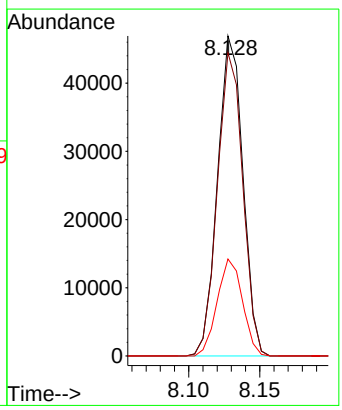


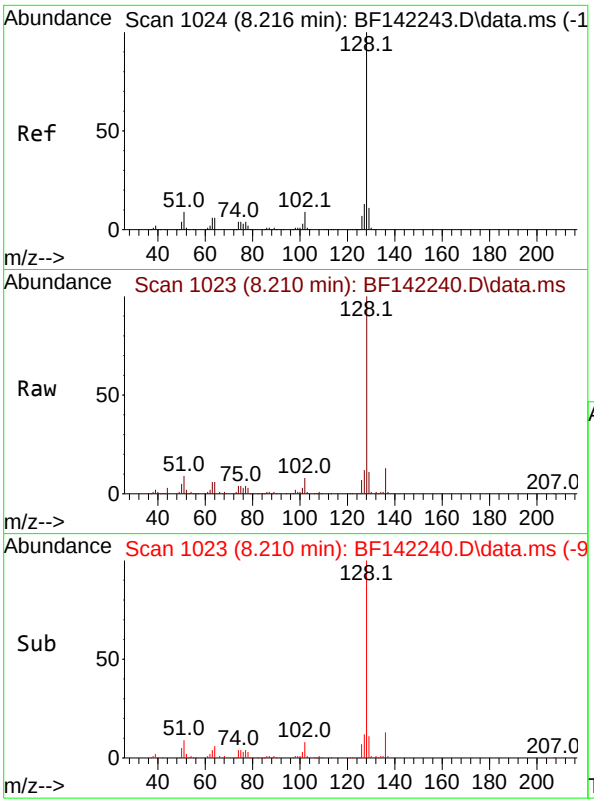


#30
1,2,4-Trichlorobenzene
Concen: 5.326 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:180 Resp: 58177

Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.7	113.5
145	30.3	25.4	38.0

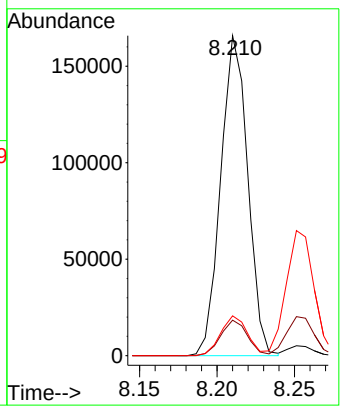




#31
Naphthalene
Concen: 5.543 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:128 Resp: 20096

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	12.4	10.6	15.8



Instrument :
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ClientSampleId :
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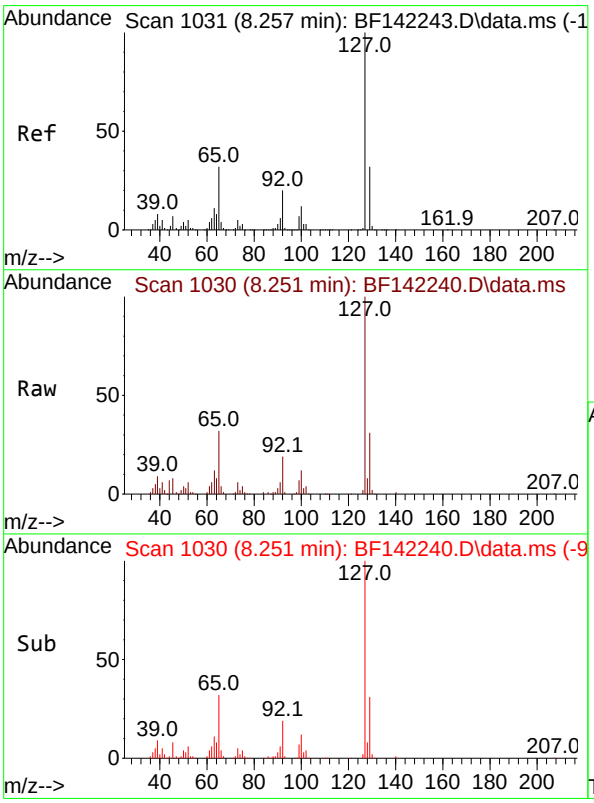
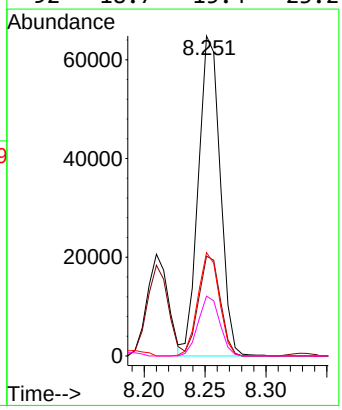
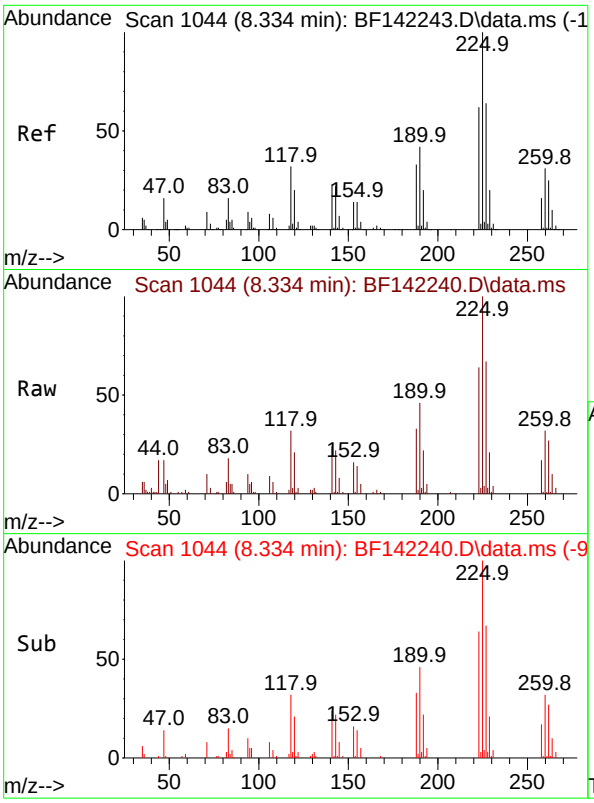


#33
4-Chloroaniline
Concen: 5.367 ng
RT: 8.251 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:127 Resp: 81024

Ion	Ratio	Lower	Upper
127	100		
129	31.2	26.1	39.1
65	32.3	25.5	38.3
92	18.7	15.4	23.2

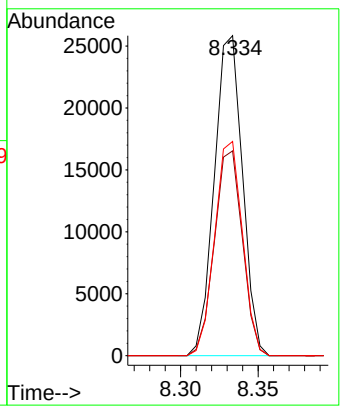




#34
Hexachlorobutadiene
Concen: 5.127 ng
RT: 8.334 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:225 Resp: 3267(

Ion	Ratio	Lower	Upper
225	100		
223	64.0	49.7	74.5
227	67.0	51.0	76.4



Instrument :
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ClientSampleId :
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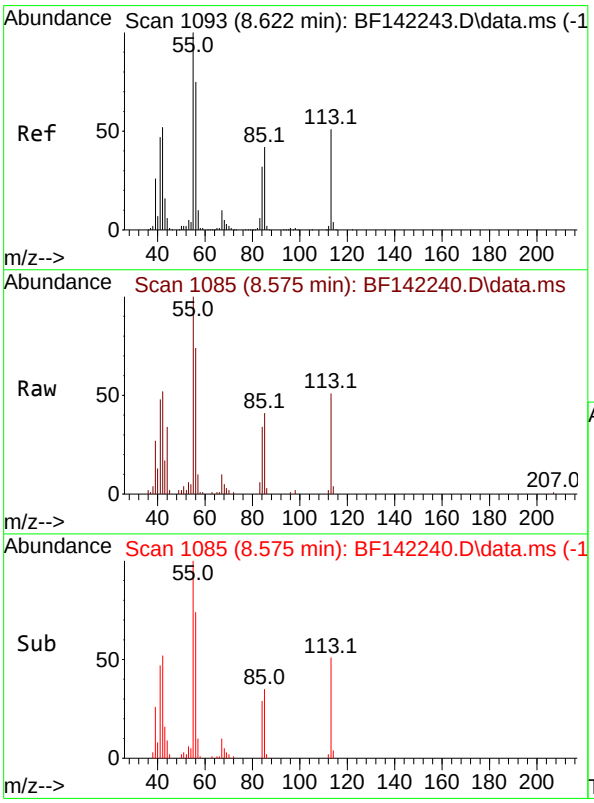
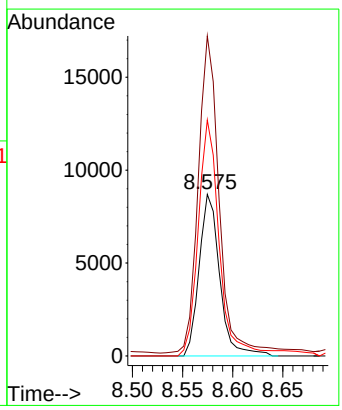
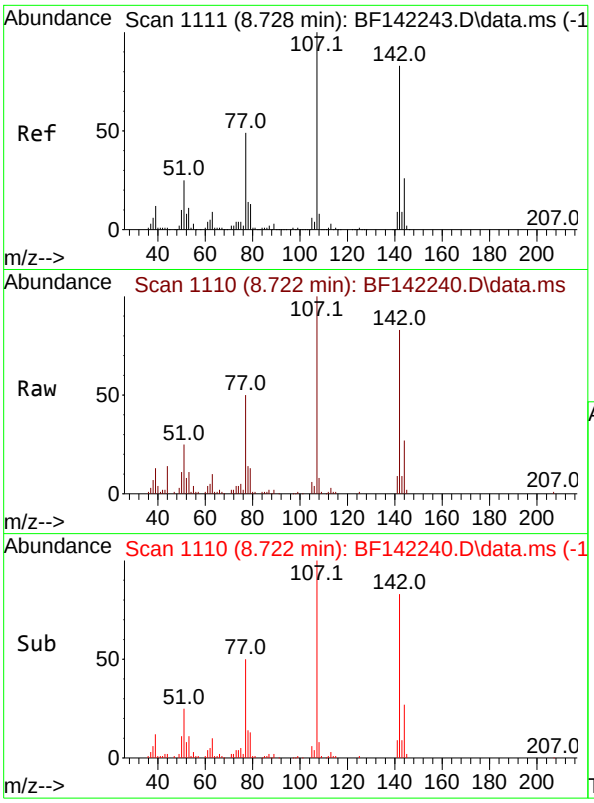


#35
Caprolactam
Concen: 4.223 ng
RT: 8.575 min Scan# 1085
Delta R.T. -0.047 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:113 Resp: 12427

Ion	Ratio	Lower	Upper
113	100		
55	197.9	177.7	217.7
56	146.0	127.1	167.1

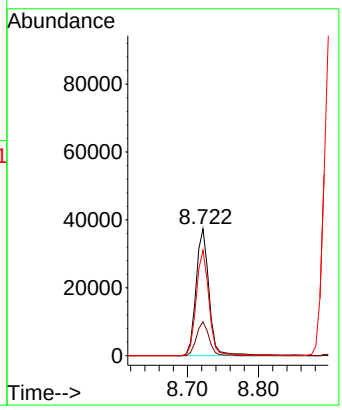




#36
4-Chloro-3-methylphenol
Concen: 4.743 ng
RT: 8.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:107 Resp: 4767

Ion	Ratio	Lower	Upper
107	100		
144	26.6	21.0	31.4
142	83.1	66.1	99.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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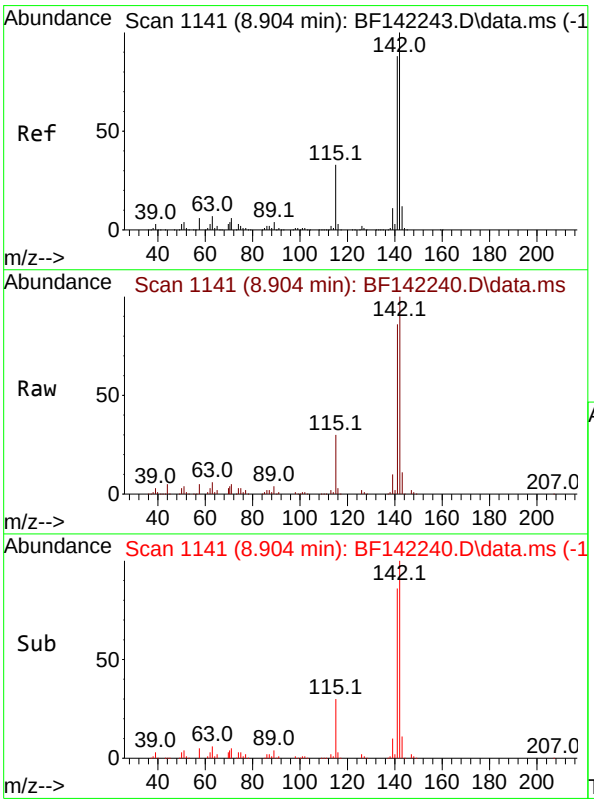
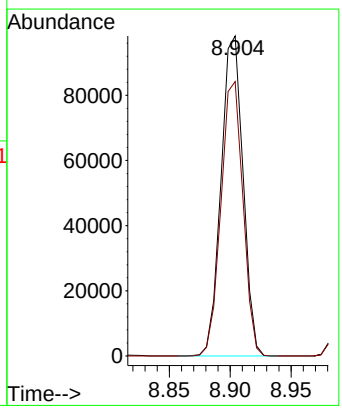
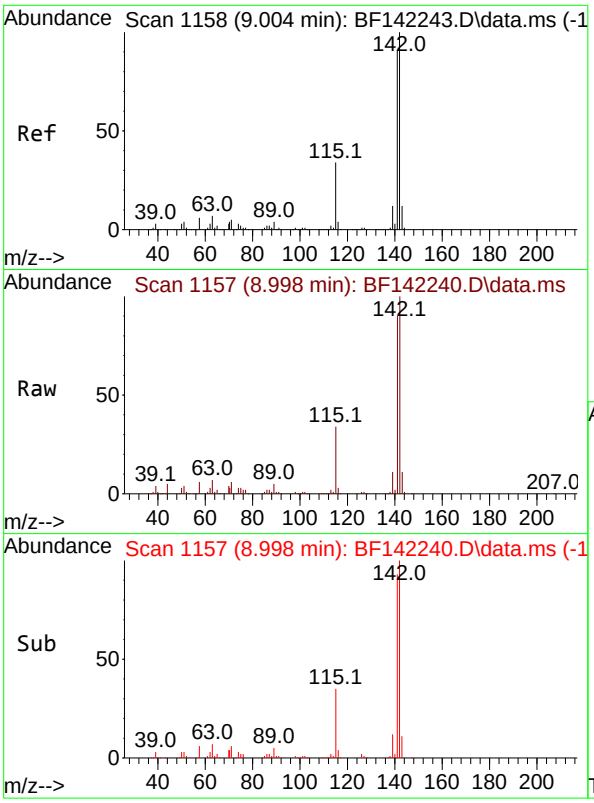


#37
2-Methylnaphthalene
Concen: 5.539 ng
RT: 8.904 min Scan# 1141
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:142 Resp: 123458

Ion	Ratio	Lower	Upper
142	100		
141	85.8	70.5	105.7





#38
1-Methylnaphthalene
Concen: 5.512 ng
RT: 8.998 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:142 Resp: 12727

Ion	Ratio	Lower	Upper
142	100		
141	90.5	72.8	109.2

Instrument :
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ClientSampleId :
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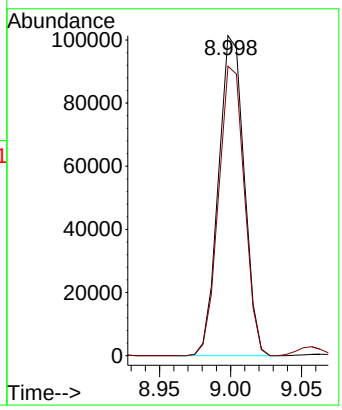
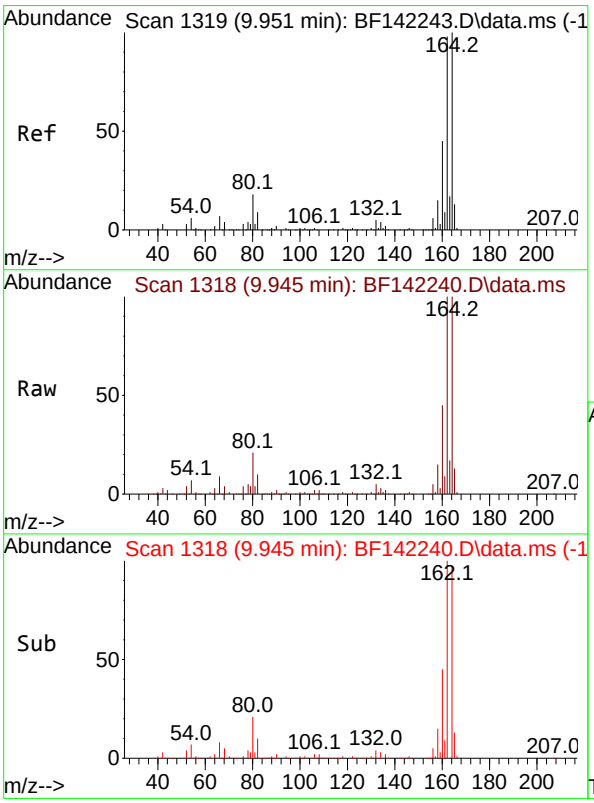
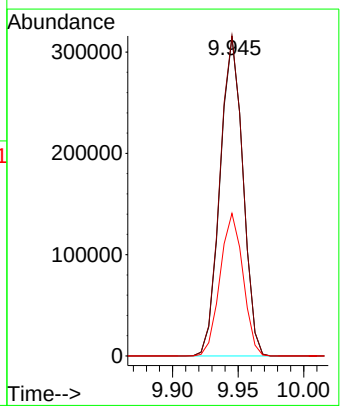


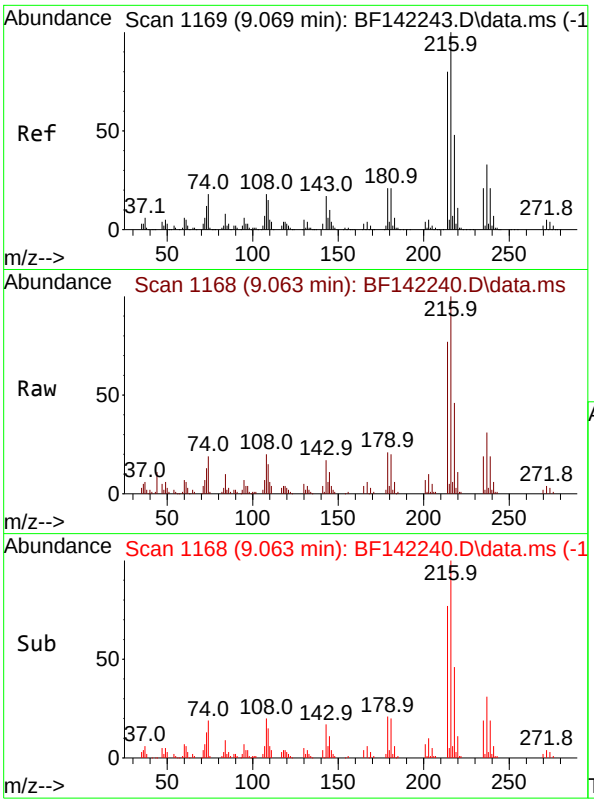


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:164 Resp: 380022

Ion	Ratio	Lower	Upper
164	100		
162	100.5	78.6	117.8
160	44.8	35.7	53.5

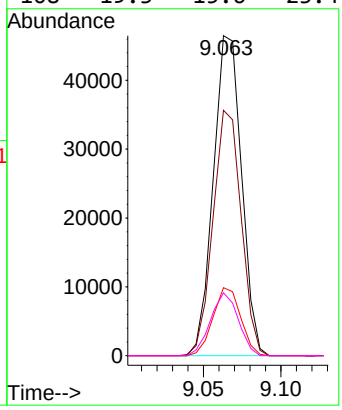




#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.513 ng
RT: 9.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:216 Resp: 5896

Ion	Ratio	Lower	Upper
216	100		
214	76.4	63.8	95.6
179	20.8	16.7	25.1
108	19.3	15.6	23.4



Instrument :
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ClientSampleId :
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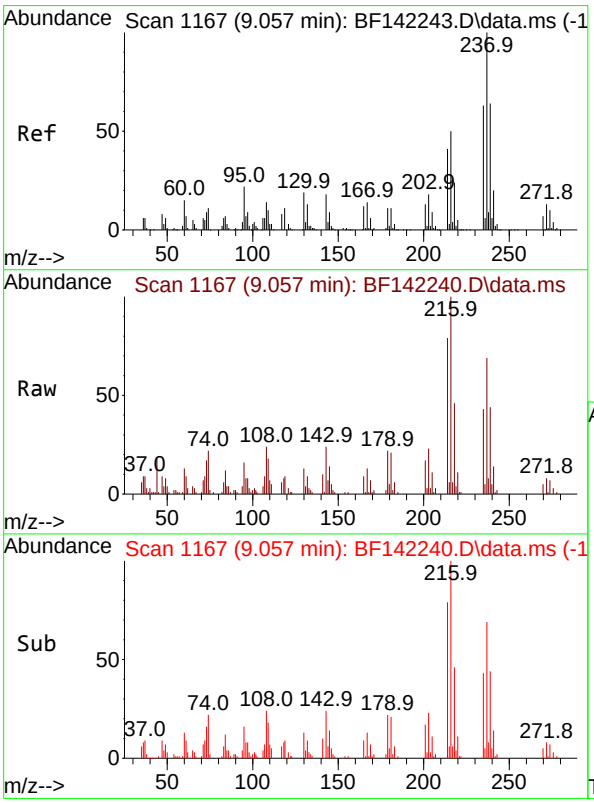
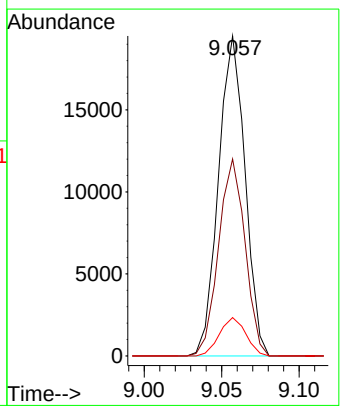
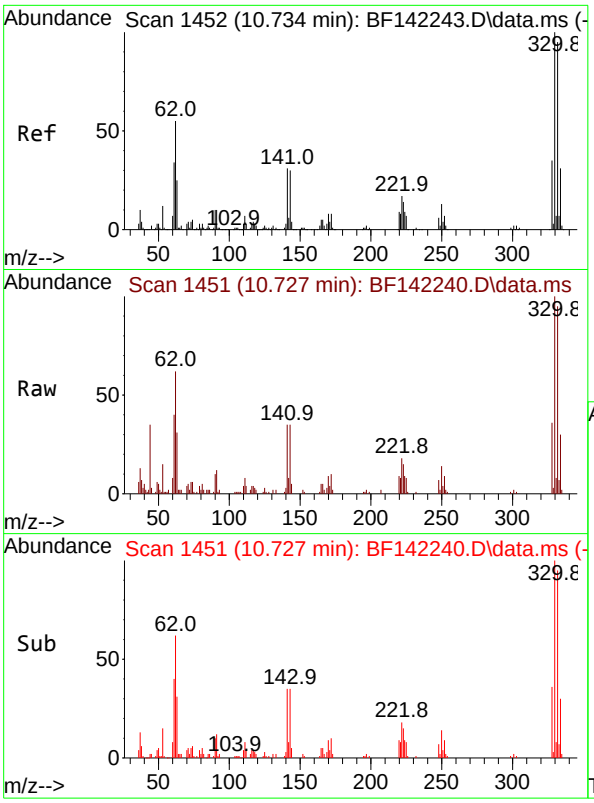


#41
Hexachlorocyclopentadiene
Concen: 3.827 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:237 Resp: 23228

Ion	Ratio	Lower	Upper
237	100		
235	61.6	43.5	83.5
272	12.0	0.0	32.9

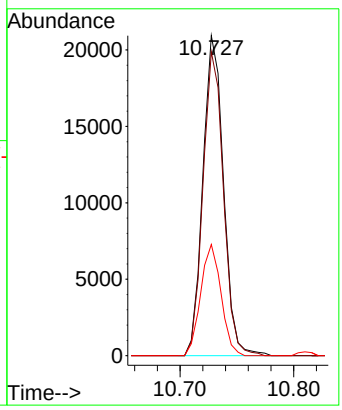




#42
2,4,6-Tribromophenol
Concen: 7.613 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:330 Resp: 2637

Ion	Ratio	Lower	Upper
330	100		
332	94.2	76.5	114.7
141	34.3	24.3	36.5



Instrument :
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ClientSampleId :
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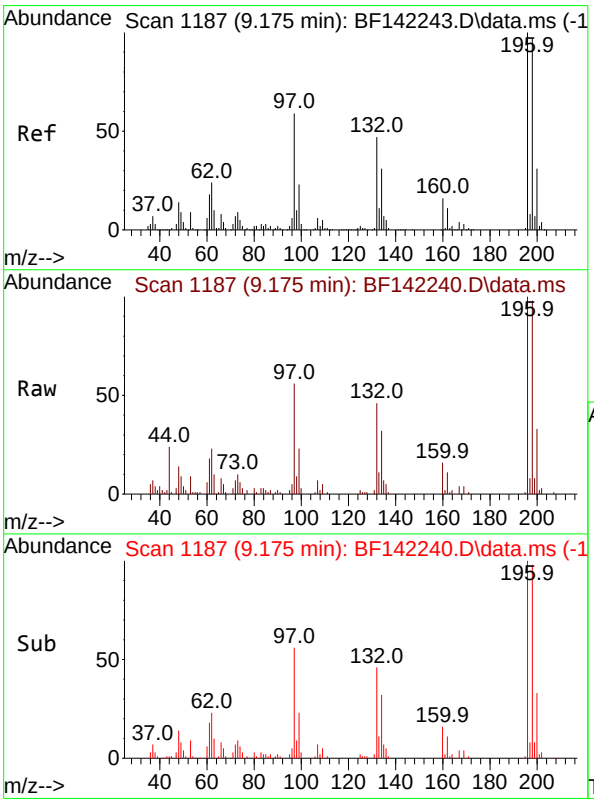
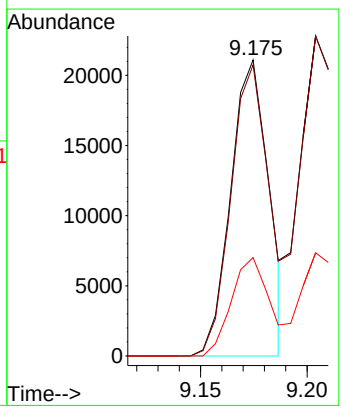
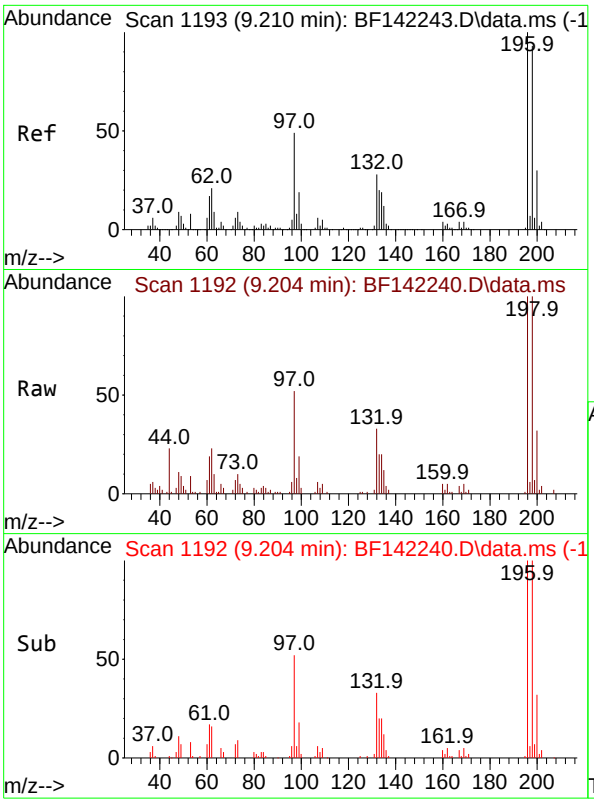


#43
2,4,6-Trichlorophenol
Concen: 3.949 ng
RT: 9.175 min Scan# 1187
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:196 Resp: 26171

Ion	Ratio	Lower	Upper
196	100		
198	98.3	77.4	116.2
200	33.2	24.6	37.0

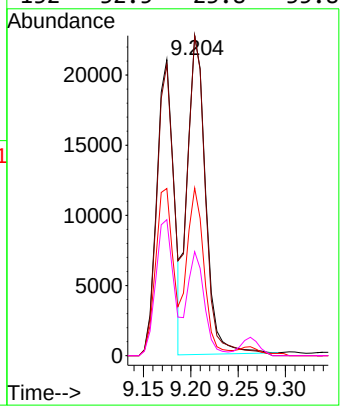




#44
2,4,5-Trichlorophenol
Concen: 4.390 ng
RT: 9.204 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:196 Resp: 3058

Ion	Ratio	Lower	Upper
196	100		
198	99.9	75.2	112.8
97	52.4	39.8	59.8
132	32.5	23.8	35.8



Instrument :
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ClientSampleId :
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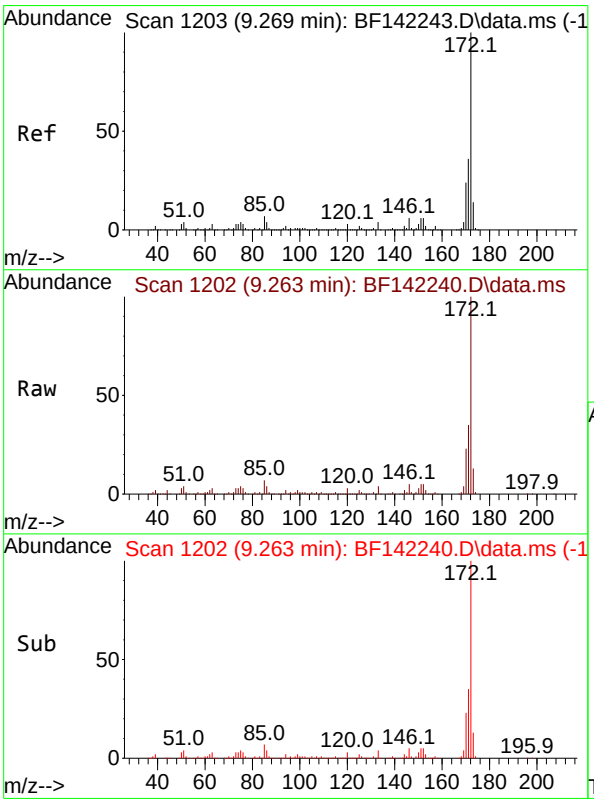
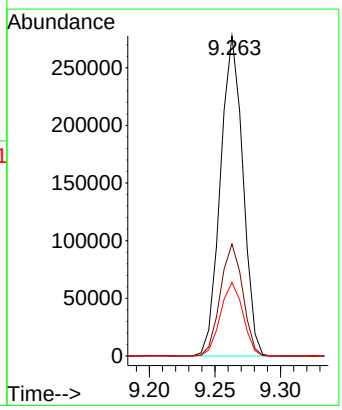
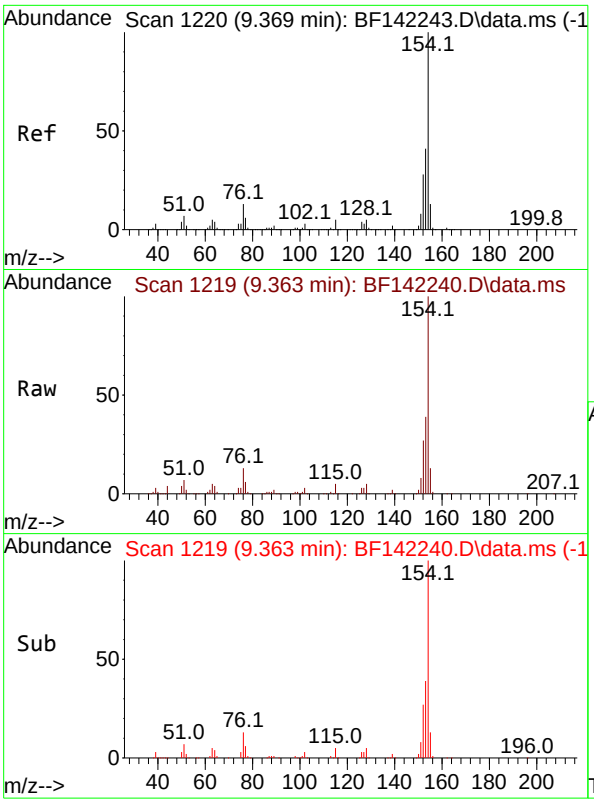


#45
2-Fluorobiphenyl
Concen: 12.256 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:172 Resp: 330323

Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.0	43.4
170	22.9	19.4	29.0

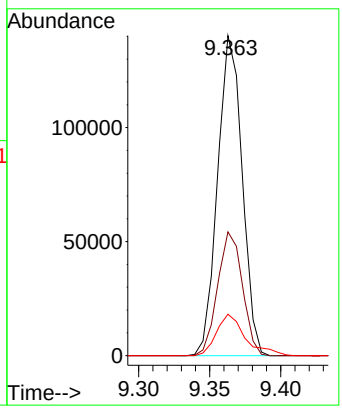




#46
1,1'-Biphenyl
Concen: 5.702 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:154 Resp: 16845

Ion	Ratio	Lower	Upper
154	100		
153	38.7	20.5	60.5
76	13.0	0.0	32.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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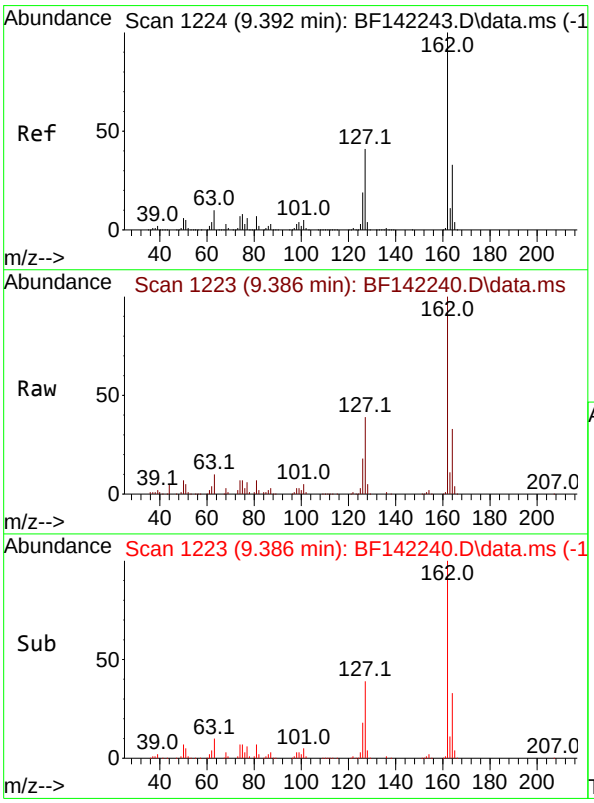
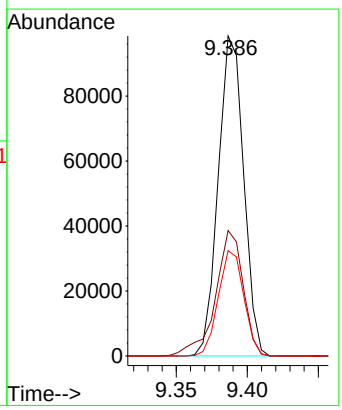
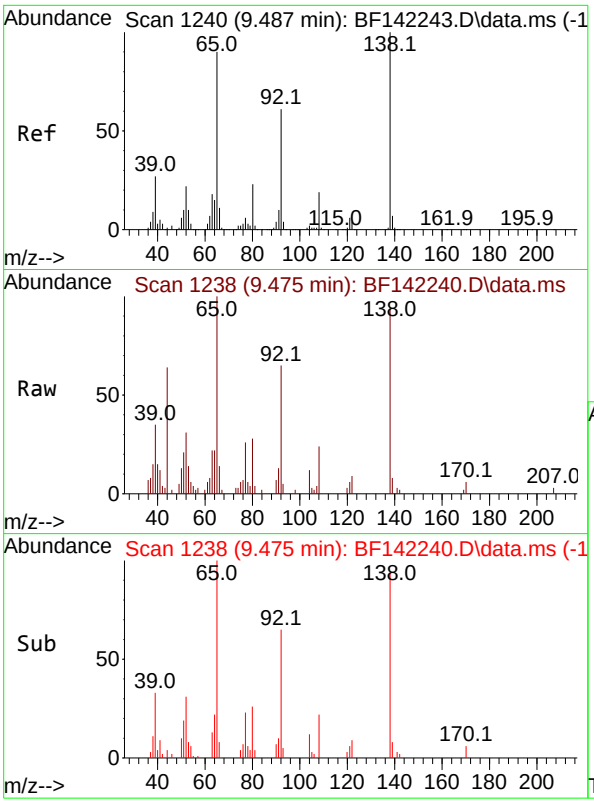


#47
2-Chloronaphthalene
Concen: 5.572 ng
RT: 9.386 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:162 Resp: 122469

Ion	Ratio	Lower	Upper
162	100		
127	39.2	32.6	49.0
164	32.9	26.1	39.1





#48
2-Nitroaniline
Concen: 6.532 ng
RT: 9.475 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 65 Resp: 1134

Ion	Ratio	Lower	Upper
65	100		
92	64.6	54.3	81.5
138	94.3	88.6	133.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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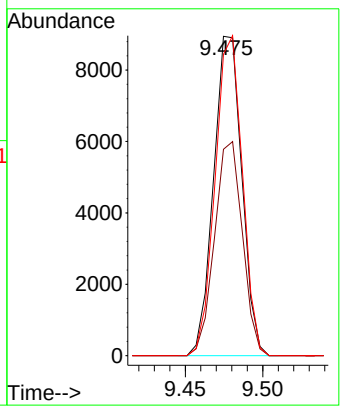
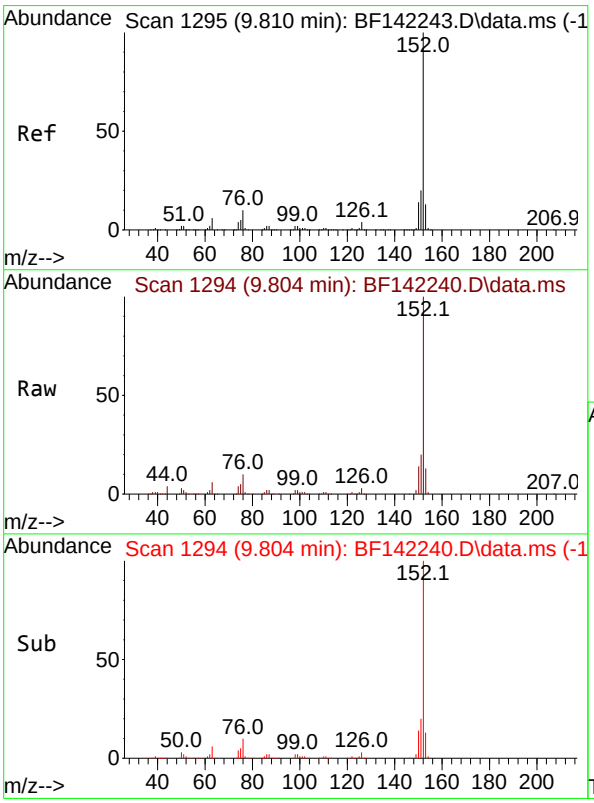
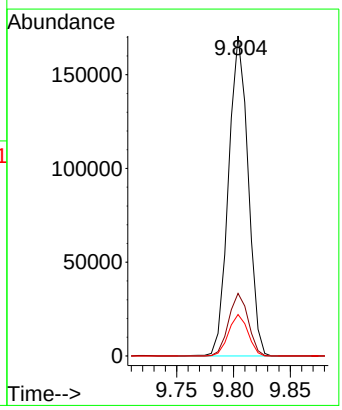


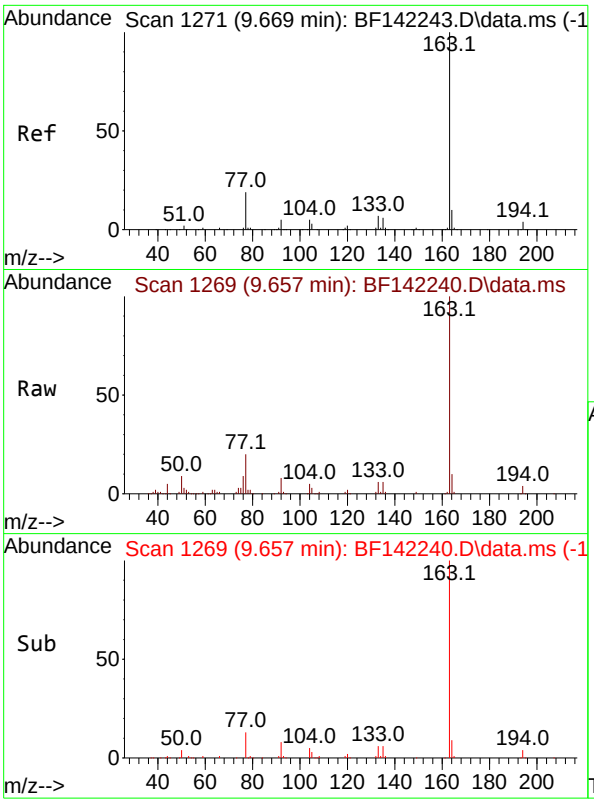


#49
Acenaphthylene
Concen: 5.504 ng
RT: 9.804 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:152 Resp: 204157

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.2	24.2
153	12.9	10.7	16.1





#50
Dimethylphthalate
Concen: 5.322 ng
RT: 9.657 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:163 Resp: 12937

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.1	8.2	12.2

Instrument :
BNA_F
ClientSampleId :
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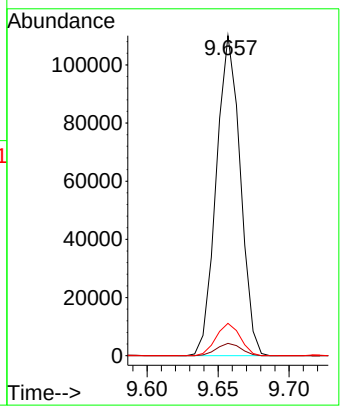
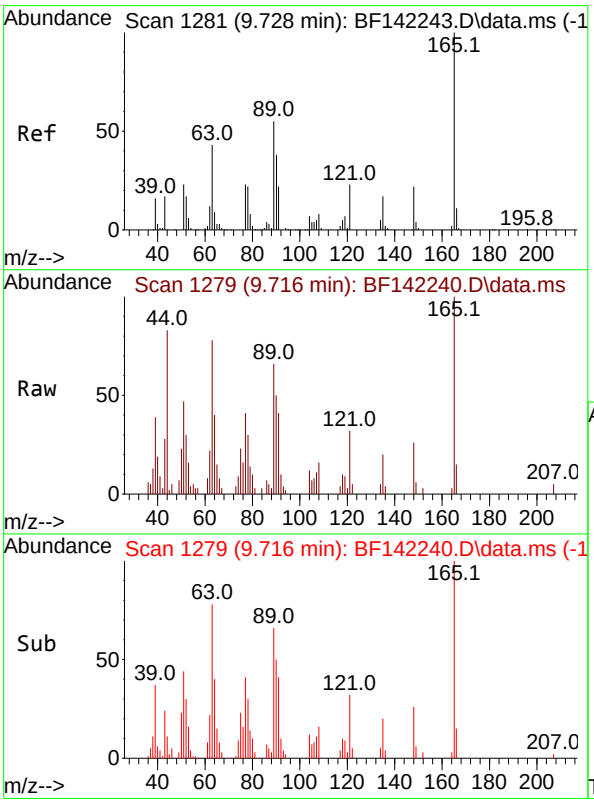
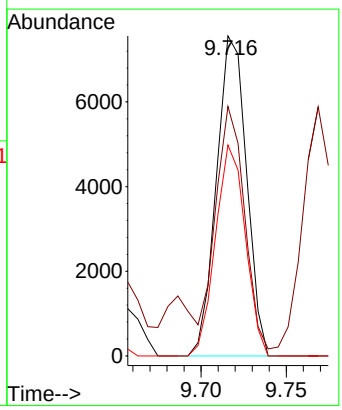


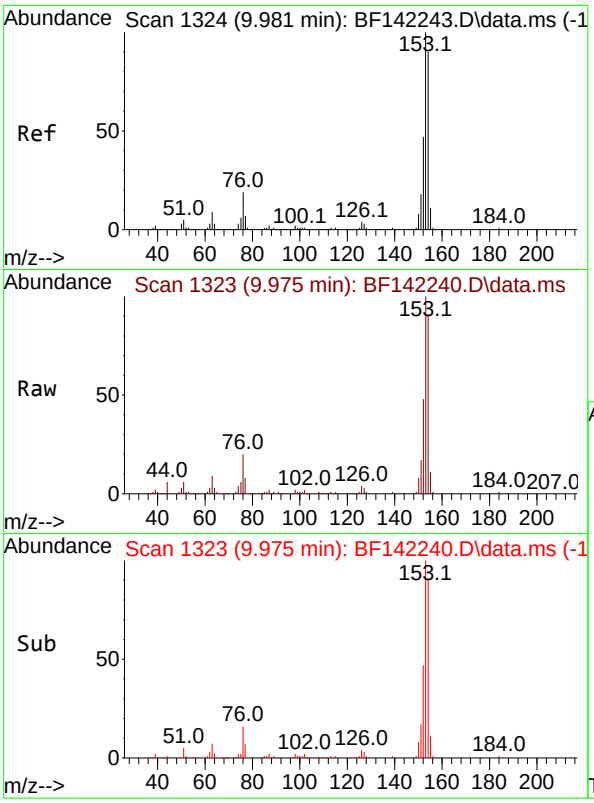


#51
2,6-Dinitrotoluene
Concen: 5.846 ng
RT: 9.716 min Scan# 1279
Delta R.T. -0.012 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:165 Resp: 9271

Ion	Ratio	Lower	Upper
165	100		
63	77.9	48.5	72.7#
89	65.9	43.9	65.9#

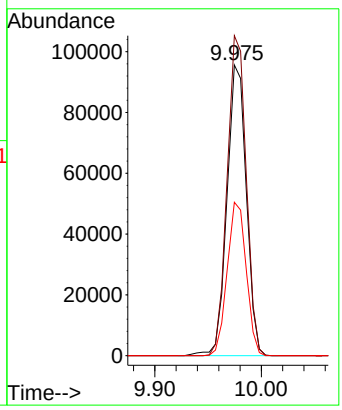




#52
Acenaphthene
Concen: 5.577 ng
RT: 9.975 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:154 Resp: 12077

Ion	Ratio	Lower	Upper
154	100		
153	110.1	88.6	133.0
152	52.8	42.1	63.1



Instrument :
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ClientSampleId :
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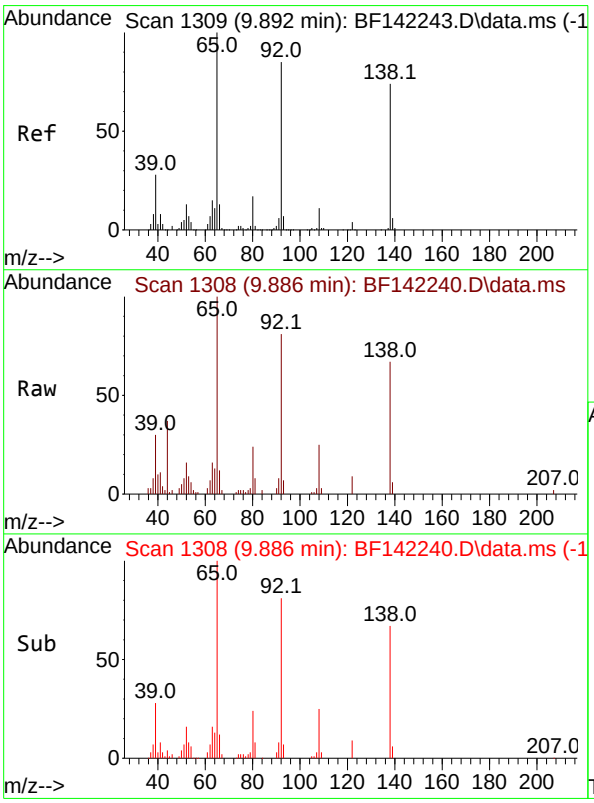
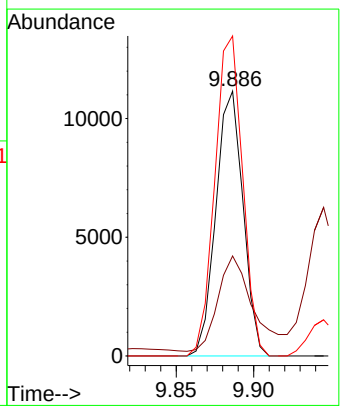
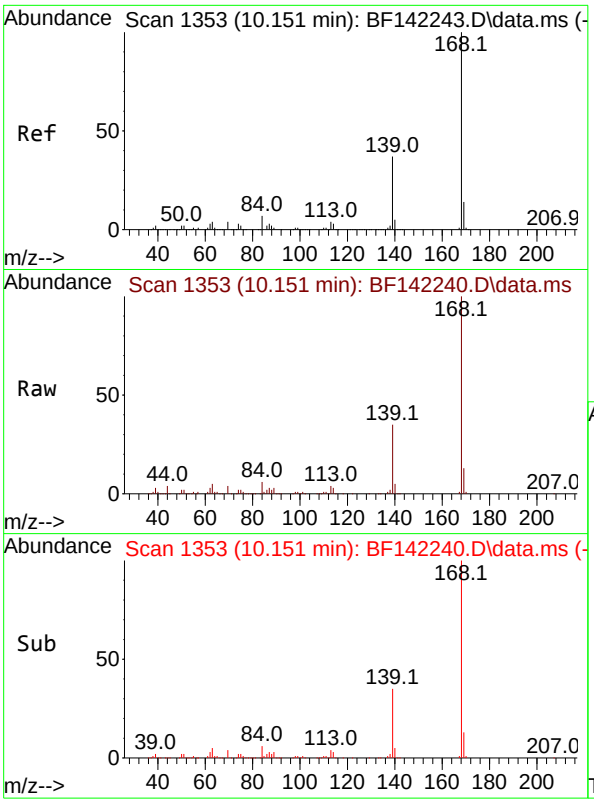


#53
3-Nitroaniline
Concen: 5.423 ng
RT: 9.886 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:138 Resp: 13576

Ion	Ratio	Lower	Upper
138	100		
108	37.8	11.7	17.5#
92	120.9	91.2	136.8

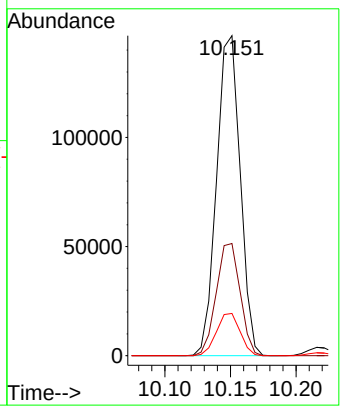




#55
Dibenzofuran
Concen: 5.649 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:168 Resp: 18340

Ion	Ratio	Lower	Upper
168	100		
139	35.1	29.4	44.0
169	13.2	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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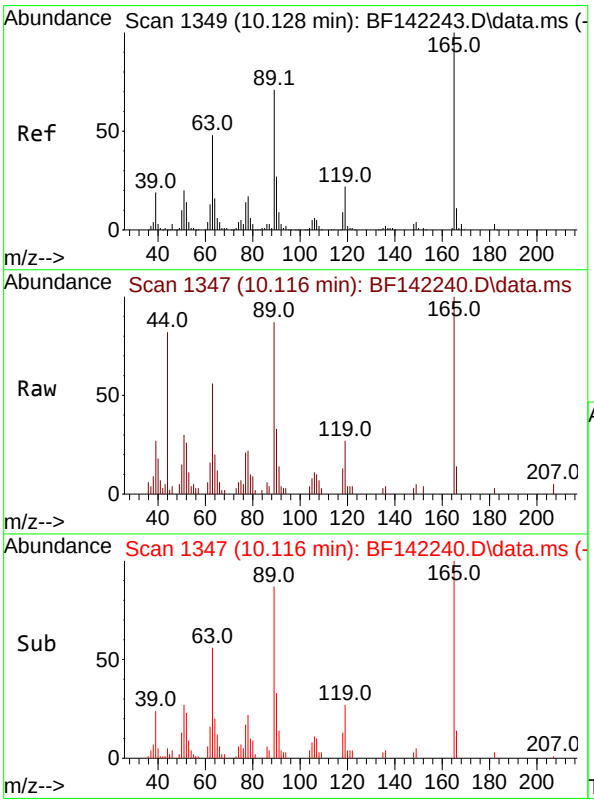
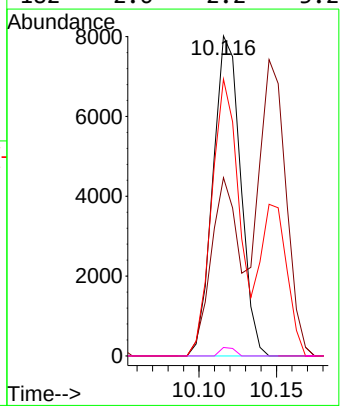
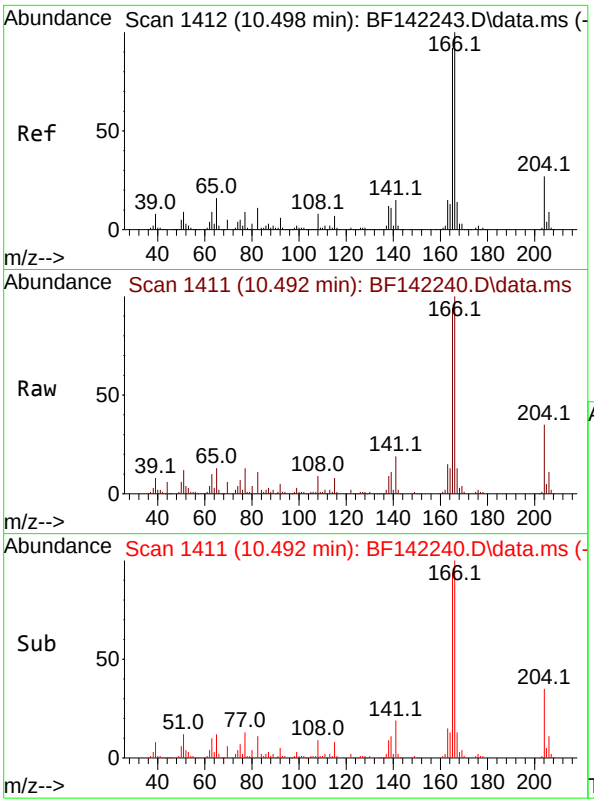


#57
2,4-Dinitrotoluene
Concen: 6.601 ng
RT: 10.116 min Scan# 1347
Delta R.T. -0.012 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:165 Resp: 9928

Ion	Ratio	Lower	Upper
165	100		
63	55.7	38.8	58.2
89	86.5	57.1	85.7#
182	2.6	2.2	3.2

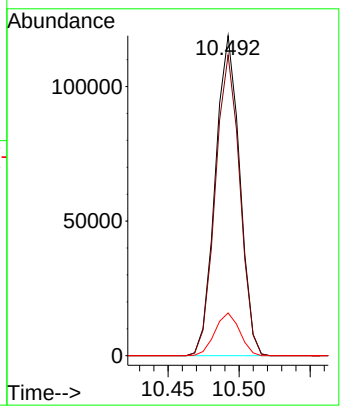




#58
Fluorene
Concen: 5.746 ng
RT: 10.492 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:166 Resp: 14183

Ion	Ratio	Lower	Upper
166	100		
165	94.0	73.9	110.9
167	13.3	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
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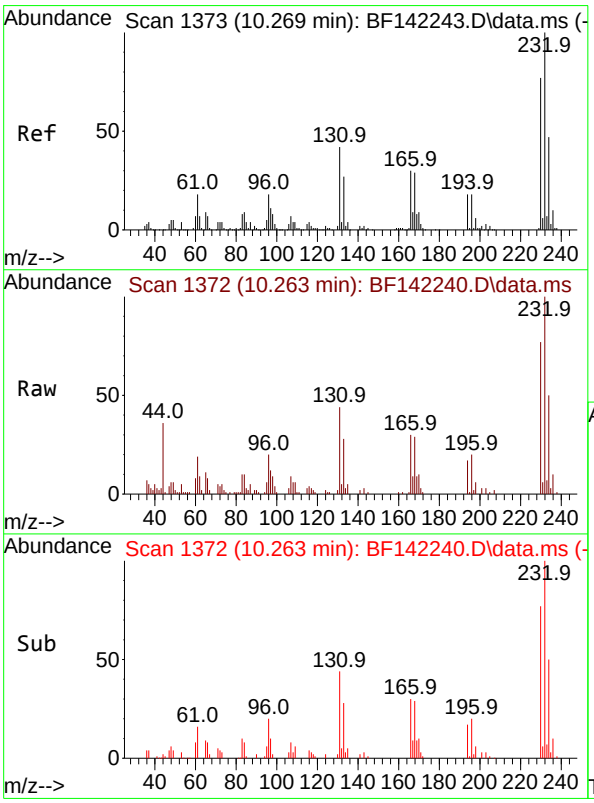
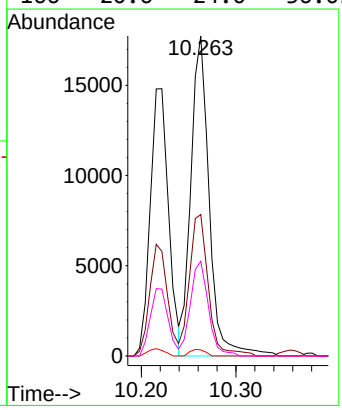
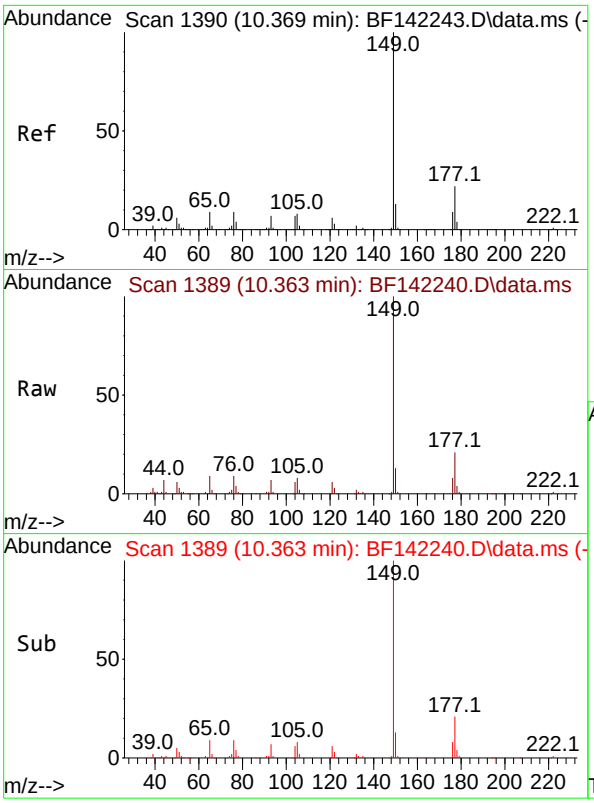


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.154 ng m
RT: 10.263 min Scan# 1372
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:232 Resp: 23974

Ion	Ratio	Lower	Upper
232	100		
131	33.9	35.9	53.9#
130	2.0	1.8	2.6
166	20.6	24.0	36.0#

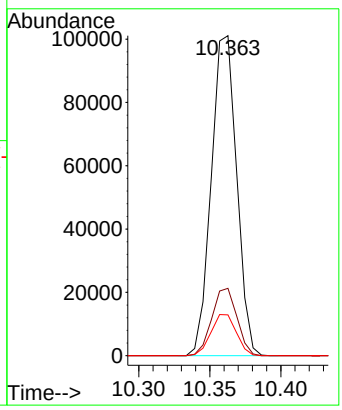




#60
Diethylphthalate
Concen: 5.238 ng
RT: 10.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:149 Resp: 12574

Ion	Ratio	Lower	Upper
149	100		
177	21.0	17.6	26.4
150	12.8	10.2	15.2



Instrument :
BNA_F
ClientSampleId :
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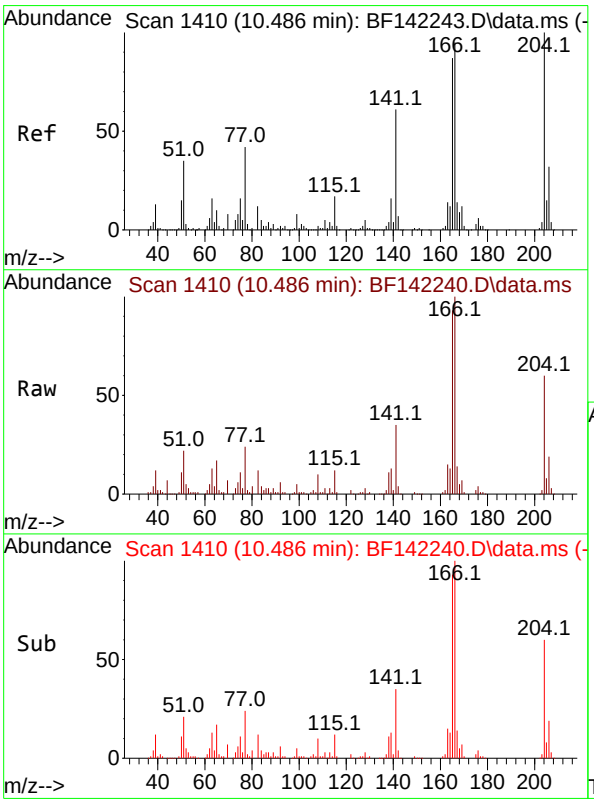
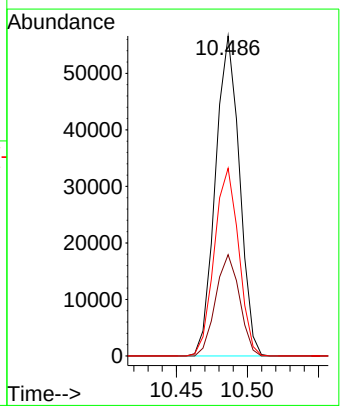
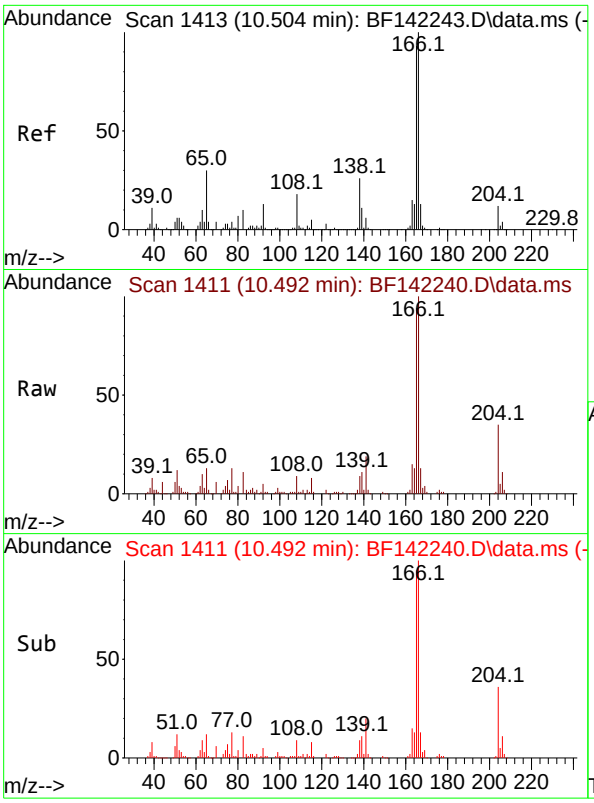


#61
4-Chlorophenyl-phenylether
Concen: 5.688 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:204 Resp: 66676

Ion	Ratio	Lower	Upper
204	100		
206	31.7	25.6	38.4
141	58.7	48.9	73.3

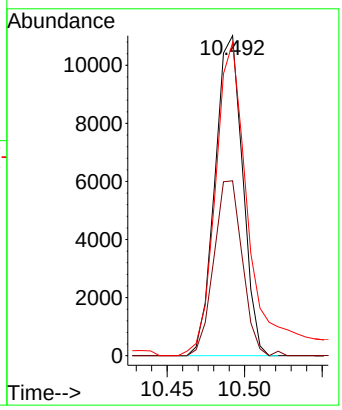




#62
4-Nitroaniline
Concen: 5.254 ng
RT: 10.492 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:138 Resp: 1369

Ion	Ratio	Lower	Upper
138	100		
92	54.7	29.2	69.2
108	97.8	49.1	89.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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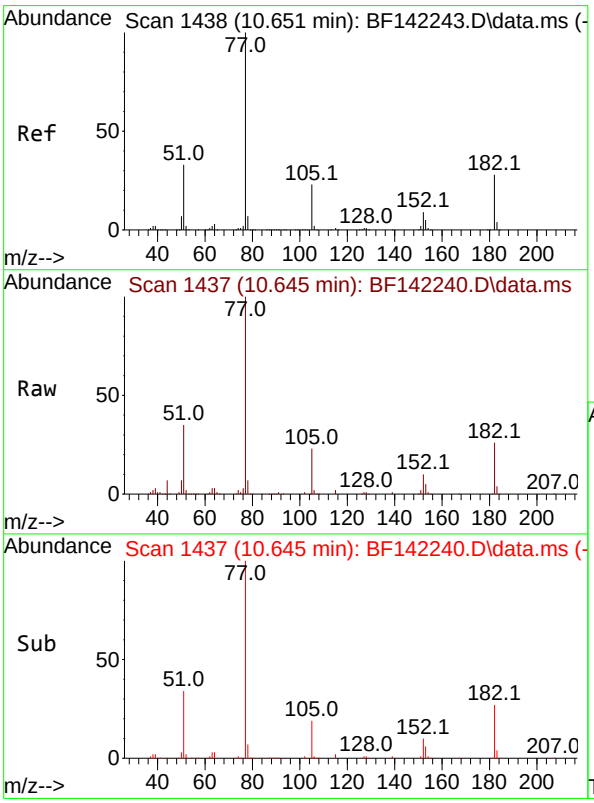
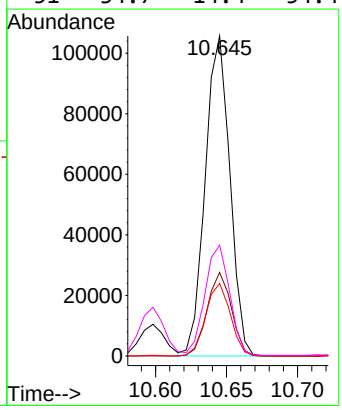
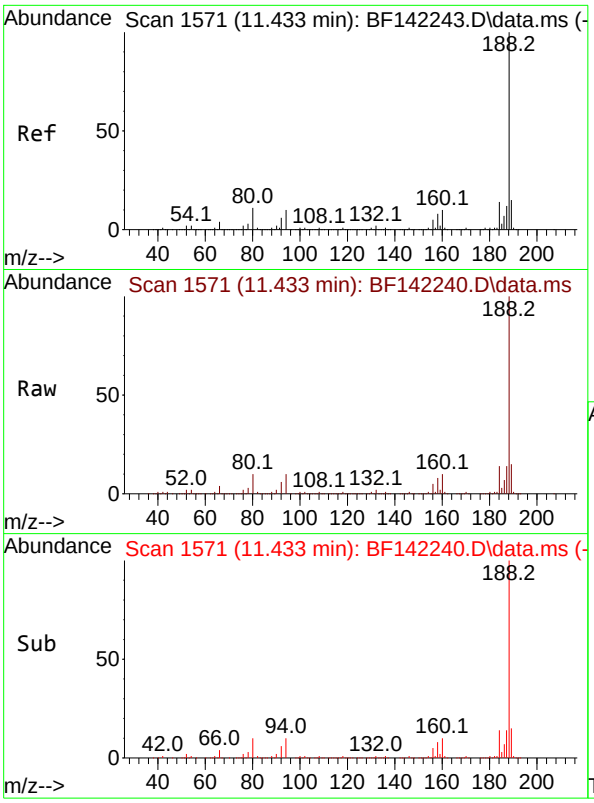


#63
Azobenzene
Concen: 5.394 ng
RT: 10.645 min Scan# 1437
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 77 Resp: 127873

Ion	Ratio	Lower	Upper
77	100		
182	26.1	7.3	47.3
105	22.7	2.5	42.5
51	34.7	14.4	54.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:188 Resp: 66493

Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.2	12.2
80	10.5	8.6	12.8

Instrument :
BNA_F
ClientSampleId :
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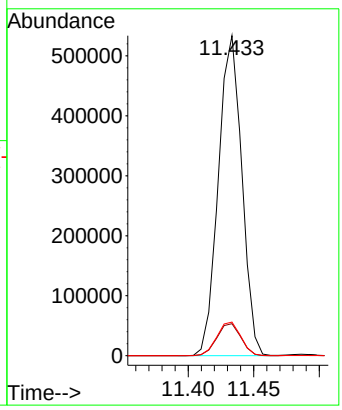
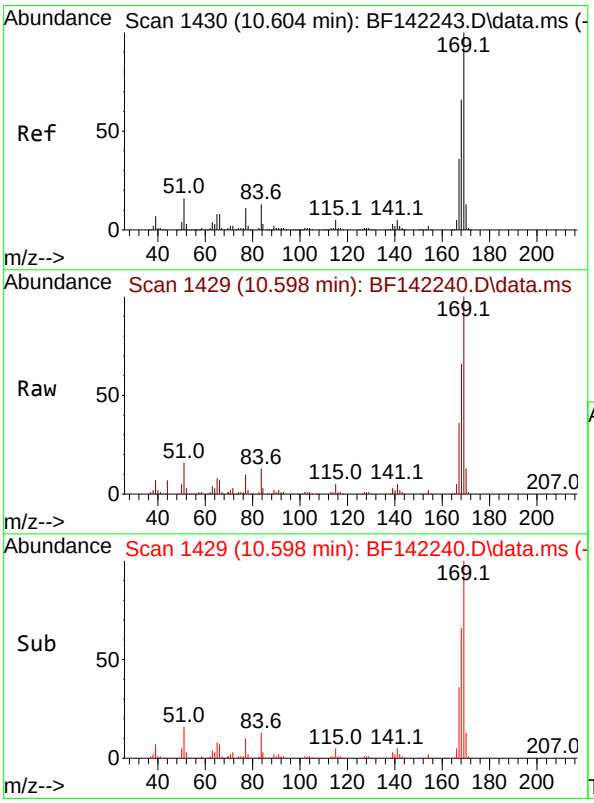
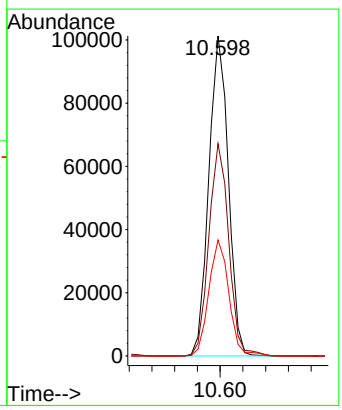


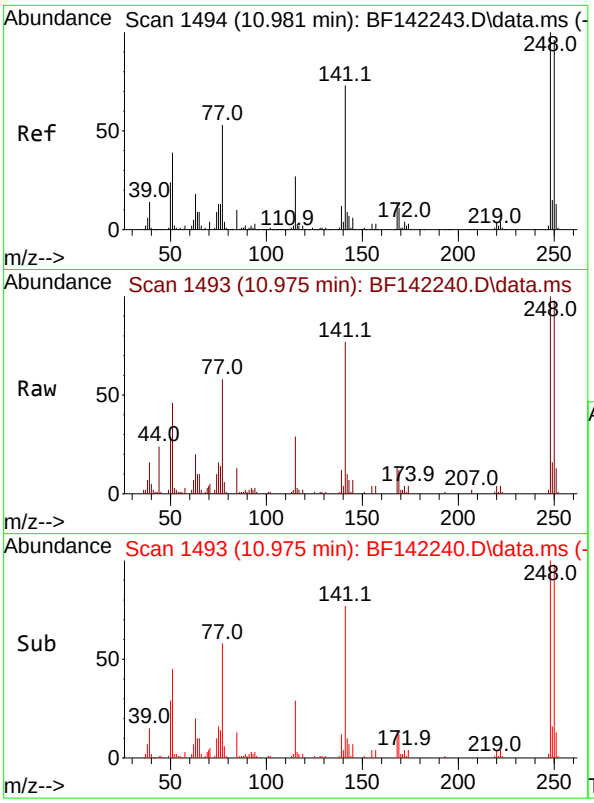


#66
n-Nitrosodiphenylamine
Concen: 5.317 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:169 Resp: 120800

Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.0	79.6
167	36.3	28.8	43.2

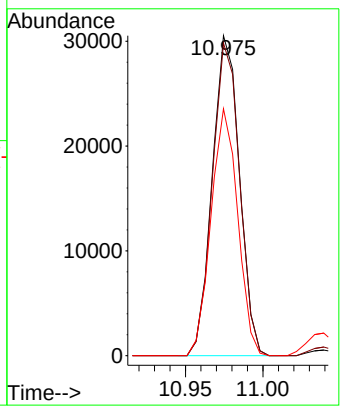




#67
4-Bromophenyl-phenylether
Concen: 5.030 ng
RT: 10.975 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:248 Resp: 3724

Ion	Ratio	Lower	Upper
248	100		
250	97.7	77.2	115.8
141	77.2	58.4	87.6



Instrument :
BNA_F
ClientSampleId :
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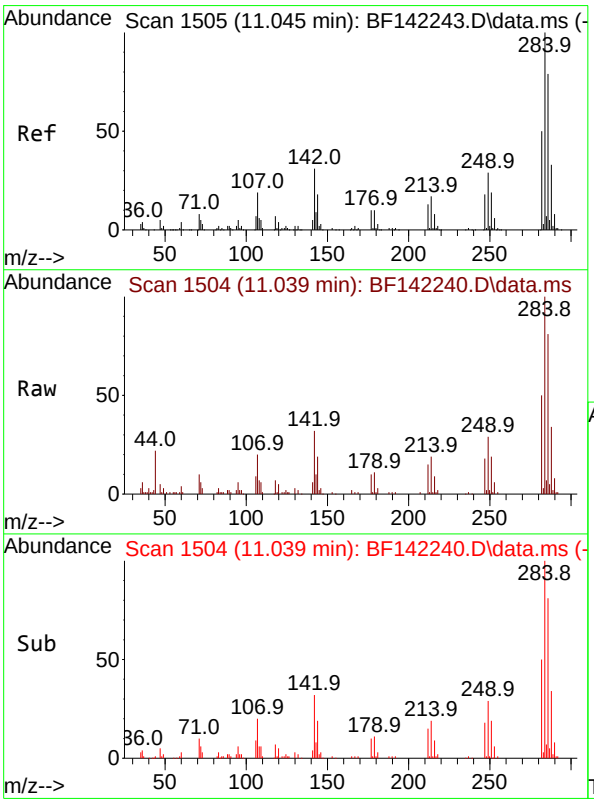
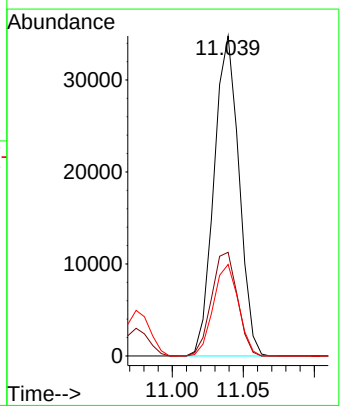
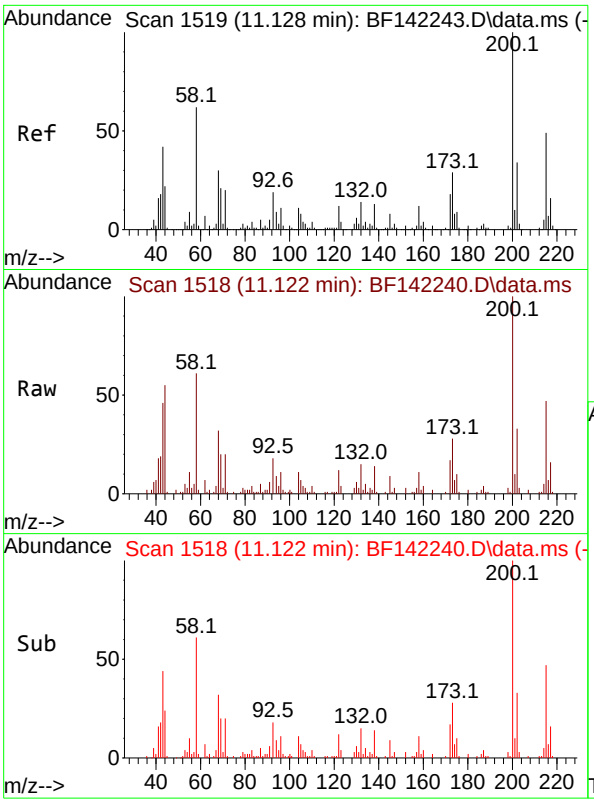


#68
Hexachlorobenzene
Concen: 5.131 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:284 Resp: 42558

Ion	Ratio	Lower	Upper
284	100		
142	32.4	24.6	37.0
249	28.6	23.2	34.8

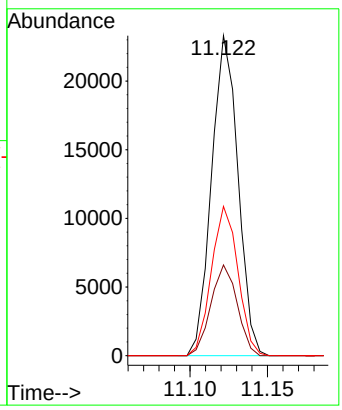




#69
Atrazine
Concen: 4.614 ng
RT: 11.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:200 Resp: 2762

Ion	Ratio	Lower	Upper
200	100		
173	28.4	8.6	48.6
215	46.6	28.5	68.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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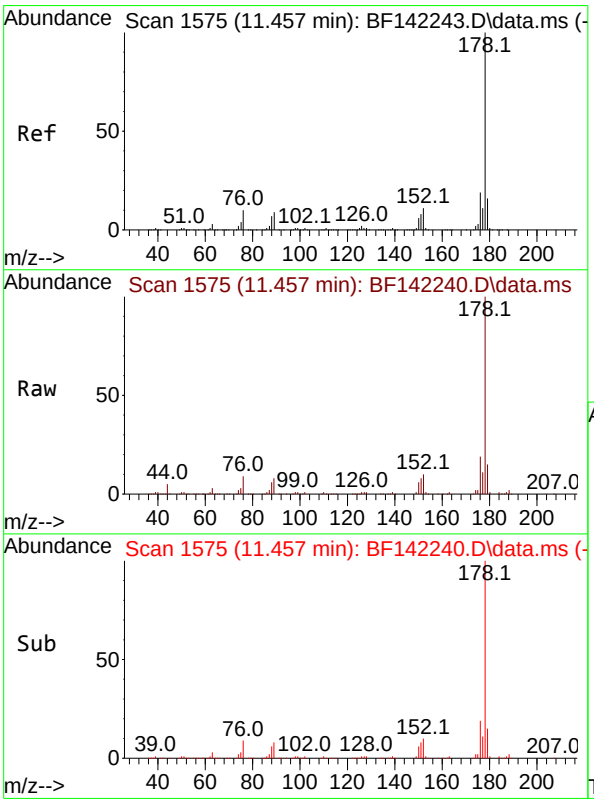
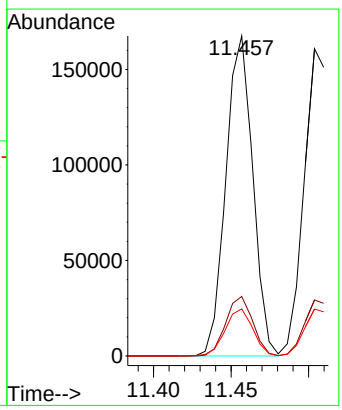
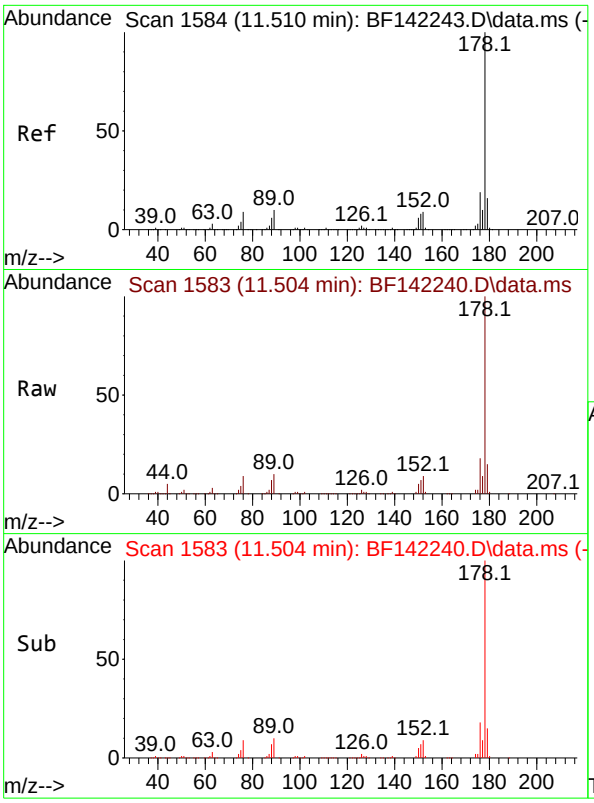


#71
Phenanthrene
Concen: 5.637 ng
RT: 11.457 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:178 Resp: 202460

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.5	23.3
179	14.7	12.6	19.0

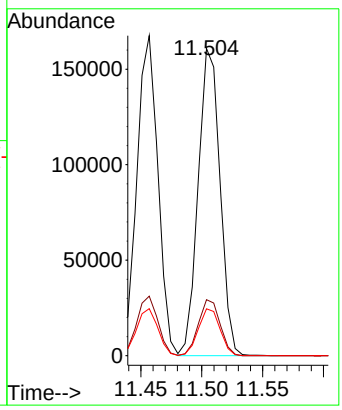




#72
Anthracene
Concen: 5.472 ng
RT: 11.504 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:178 Resp: 20094

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.3	22.9
179	15.3	12.7	19.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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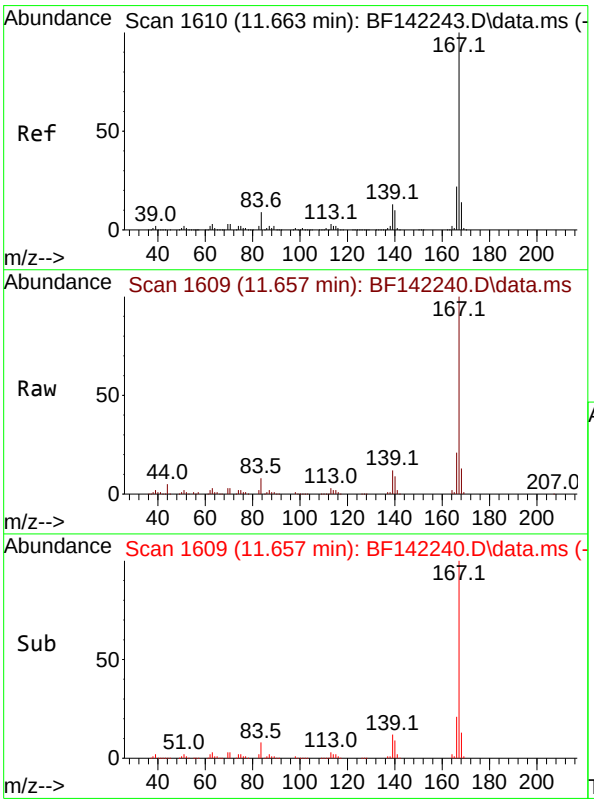
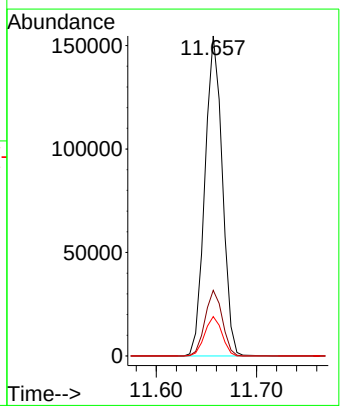
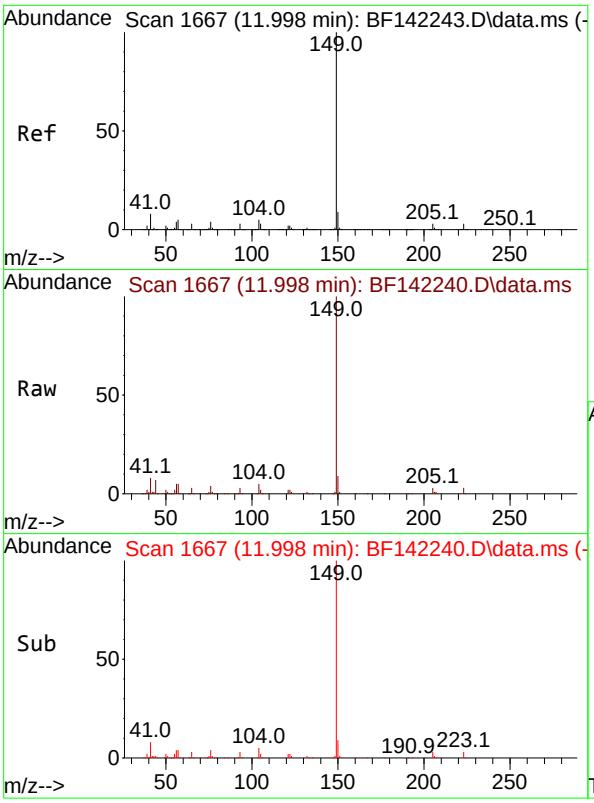


#73
Carbazole
Concen: 5.581 ng
RT: 11.657 min Scan# 1609
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:167 Resp: 186963

Ion	Ratio	Lower	Upper
167	100		
166	20.5	17.3	25.9
139	12.3	10.3	15.5

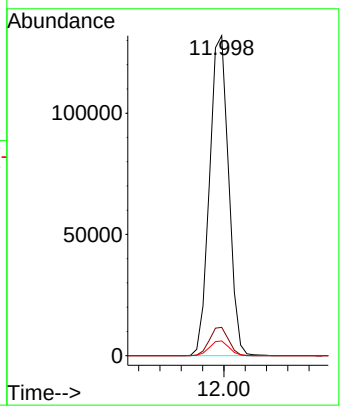




#74
Di-n-butylphthalate
Concen: 4.864 ng
RT: 11.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:149 Resp: 16386

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.5	11.3
104	4.6	3.6	5.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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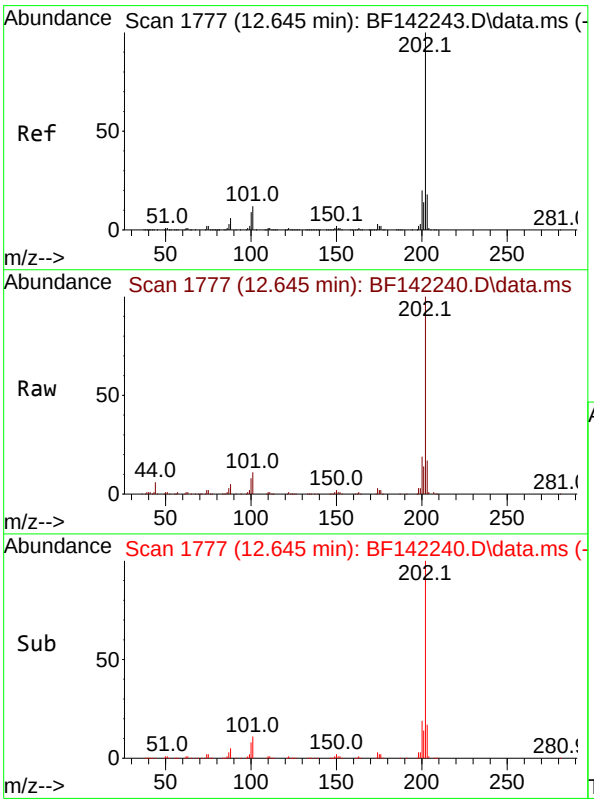
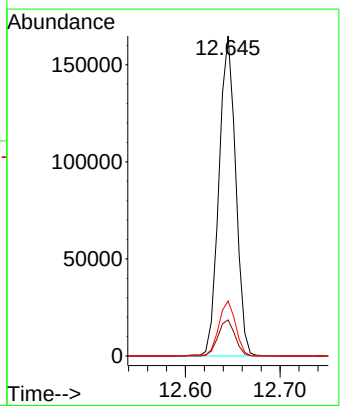
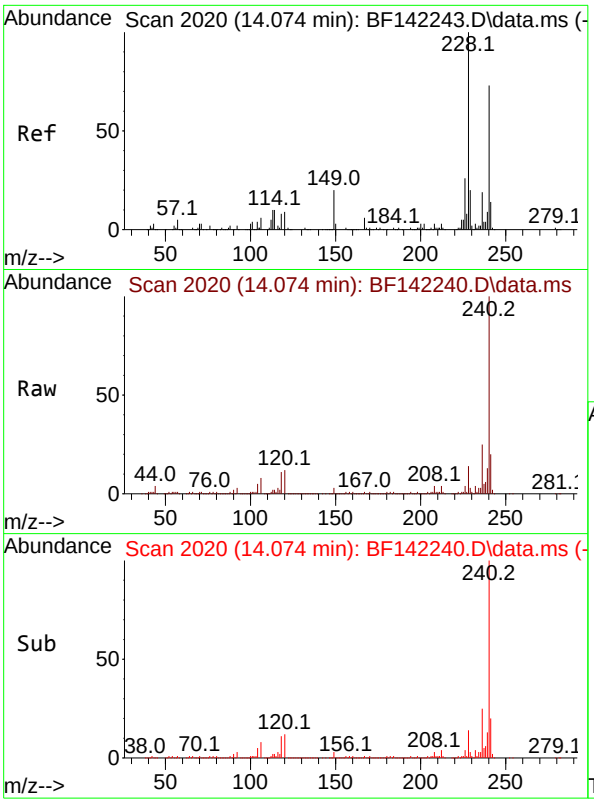


#75
Fluoranthene
Concen: 5.715 ng
RT: 12.645 min Scan# 1777
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:202 Resp: 202911

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	32.4
203	17.2	0.0	37.5

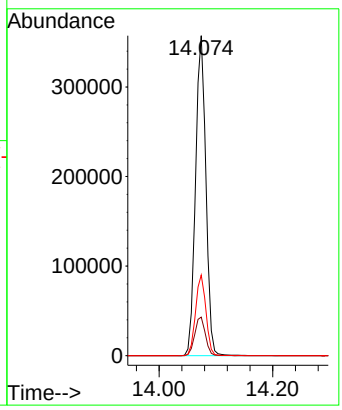




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:240 Resp: 45491

Ion	Ratio	Lower	Upper
240	100		
120	12.1	10.1	15.1
236	25.2	20.5	30.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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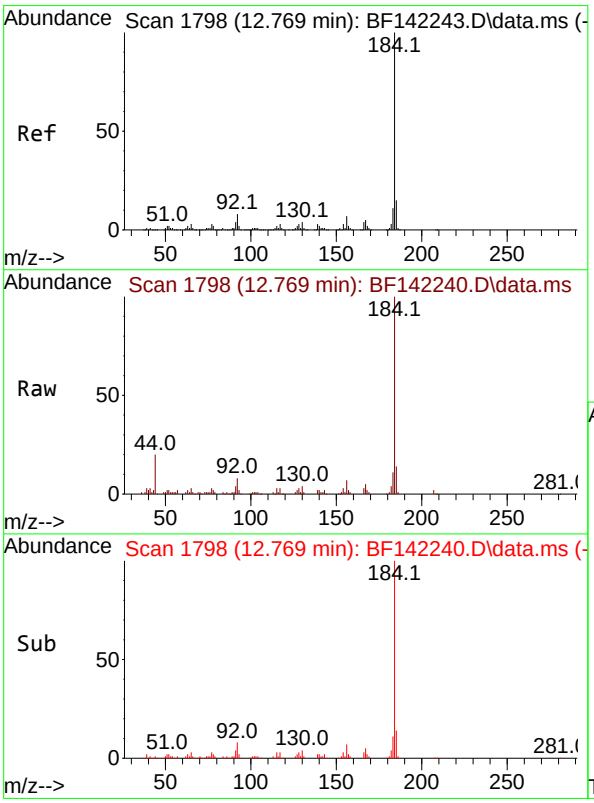
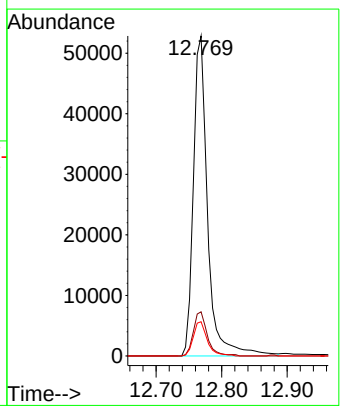
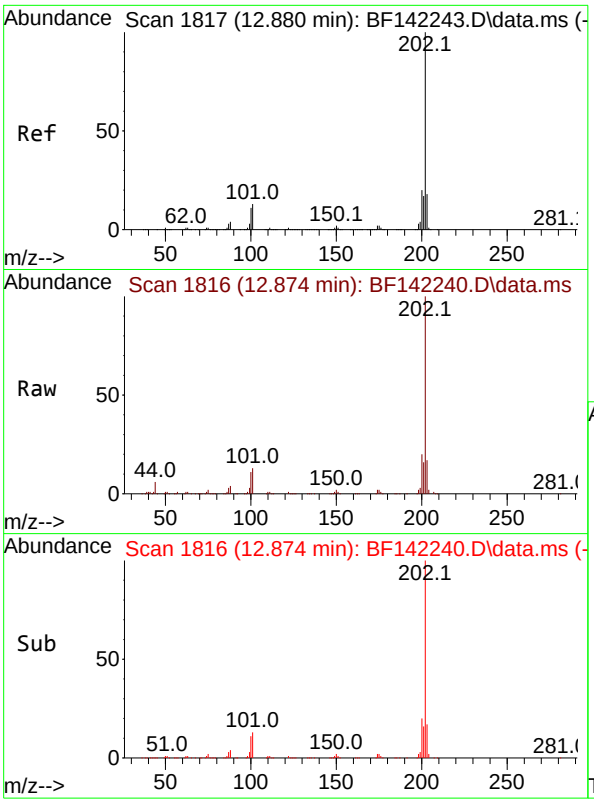


#77
Benzidine
Concen: 4.132 ng
RT: 12.769 min Scan# 1798
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:184 Resp: 79877

Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.8	17.6
183	10.7	8.9	13.3





#78
Pyrene
Concen: 4.968 ng
RT: 12.874 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

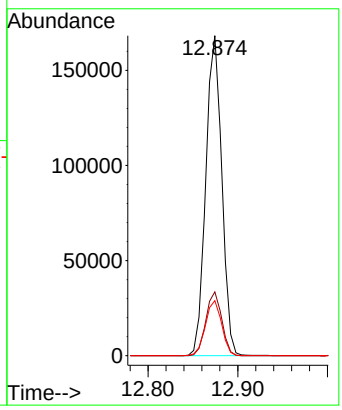
Tgt Ion:202 Resp: 20846

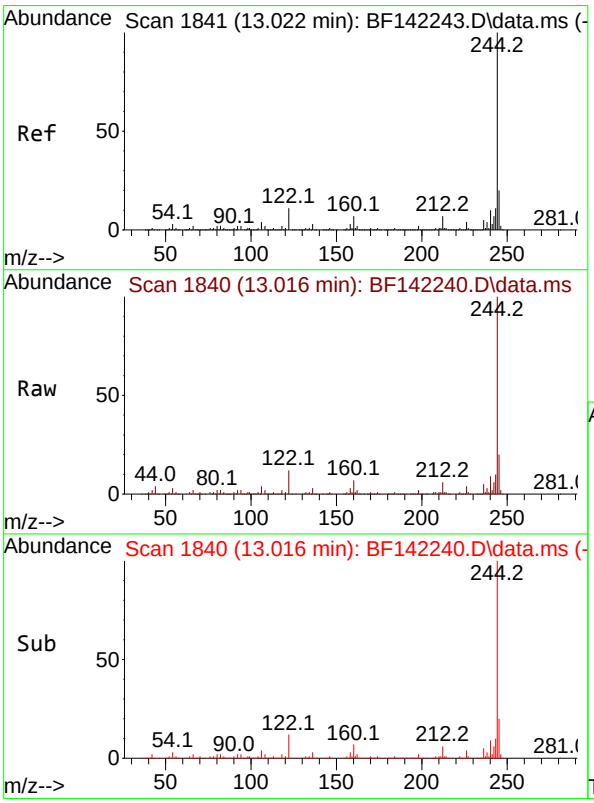
Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.1	24.1
203	17.2	14.1	21.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

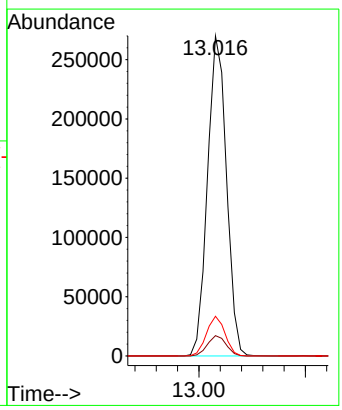


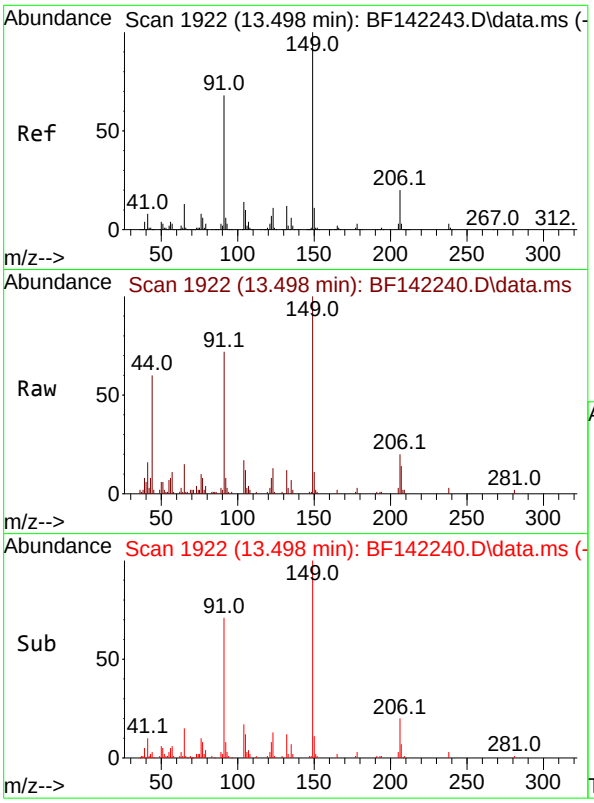


#79
Terphenyl-d14
Concen: 10.706 ng
RT: 13.016 min Scan# 1840
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:244 Resp: 334852

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.3	7.9
122	12.4	9.1	13.7

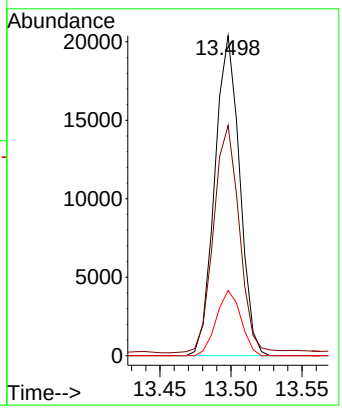




#80
Butylbenzylphthalate
Concen: 5.714 ng
RT: 13.498 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:149 Resp: 2484

Ion	Ratio	Lower	Upper
149	100		
91	71.9	54.4	81.6
206	20.4	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
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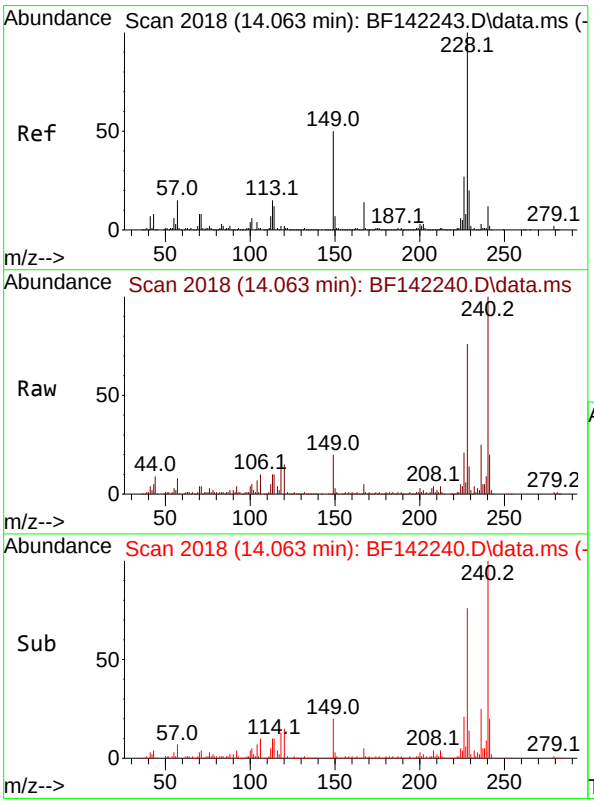
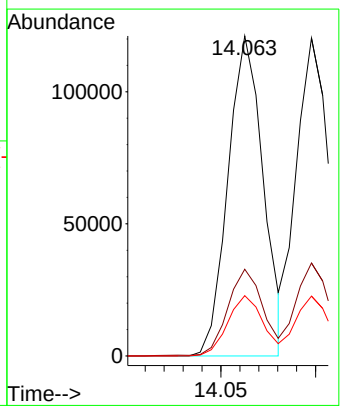
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

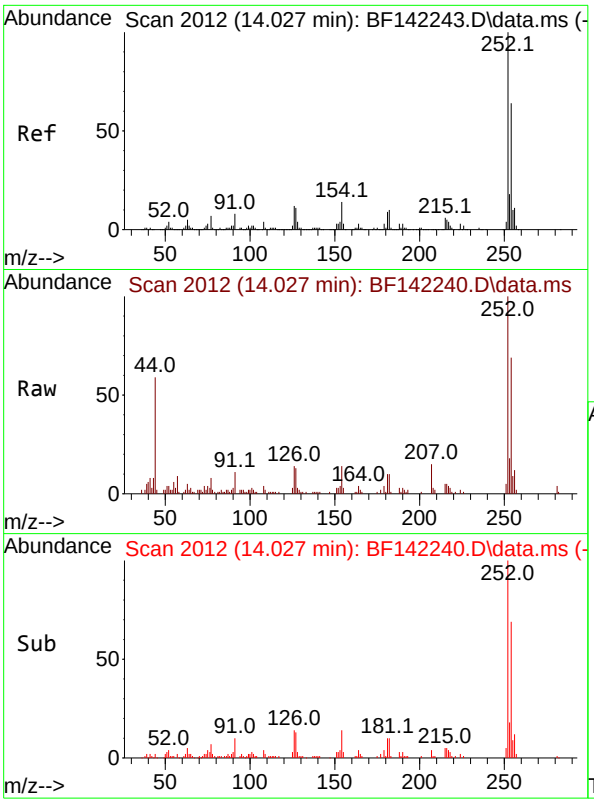


#81
Benzo(a)anthracene
Concen: 5.136 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:228 Resp: 156840

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.9	32.9
229	18.8	16.0	24.0





#82
3,3'-Dichlorobenzidine
Concen: 3.623 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

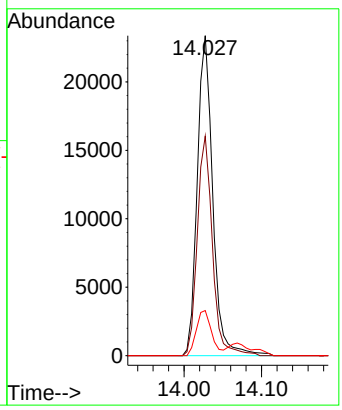
Tgt Ion:252 Resp: 3250

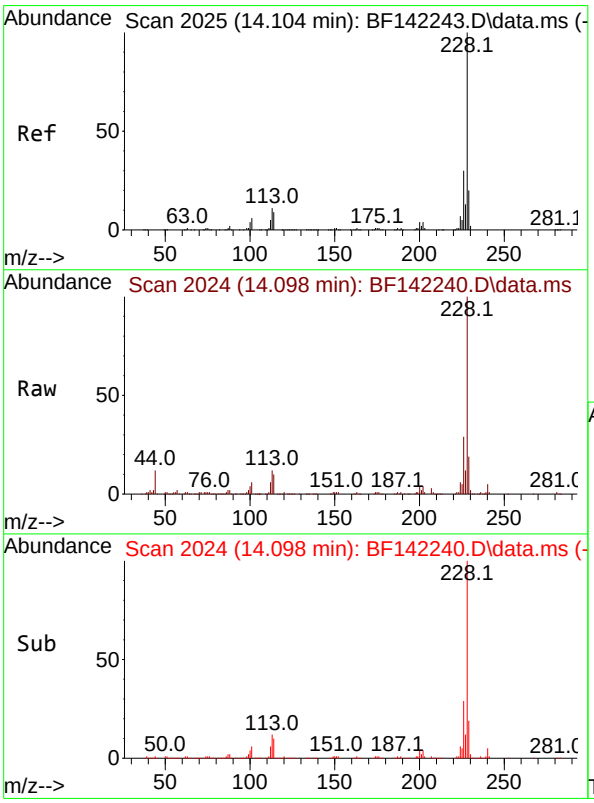
Ion	Ratio	Lower	Upper
252	100		
254	68.6	51.0	76.6
126	14.1	9.4	14.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

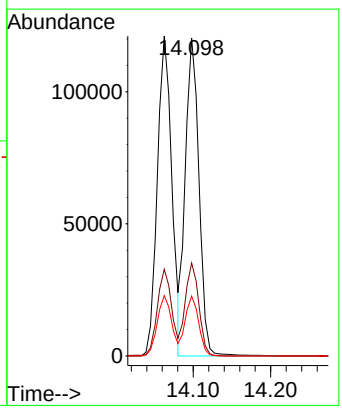


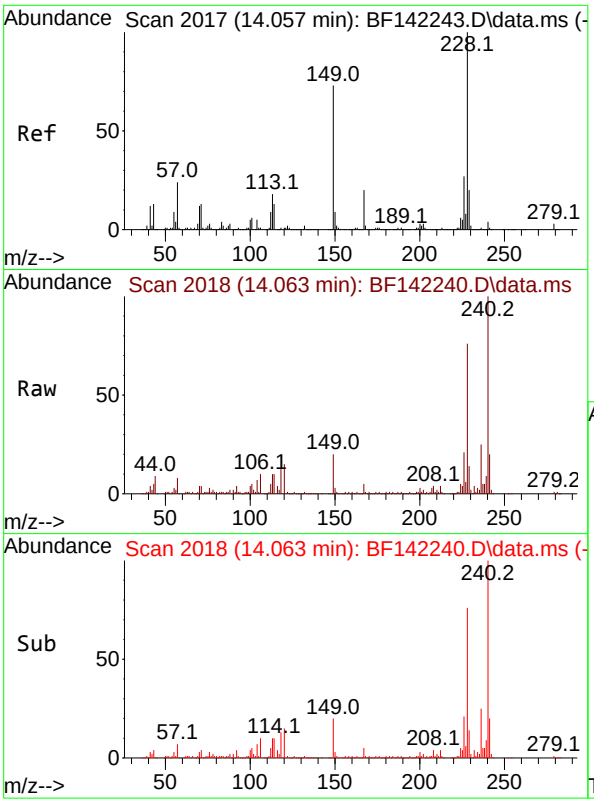


#83
Chrysene
Concen: 5.328 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:228 Resp: 148119

Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.0	36.0
229	18.8	15.7	23.5





#84
Bis(2-ethylhexyl)phthalate
Concen: 6.006 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 4369

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.7	32.5
279	3.3	3.0	4.4

Manual Integrations
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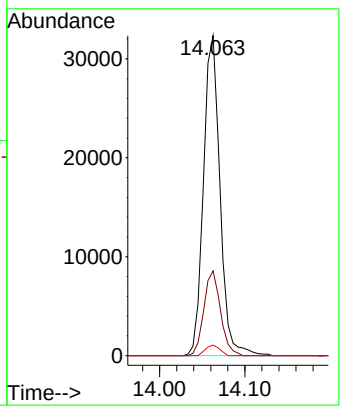
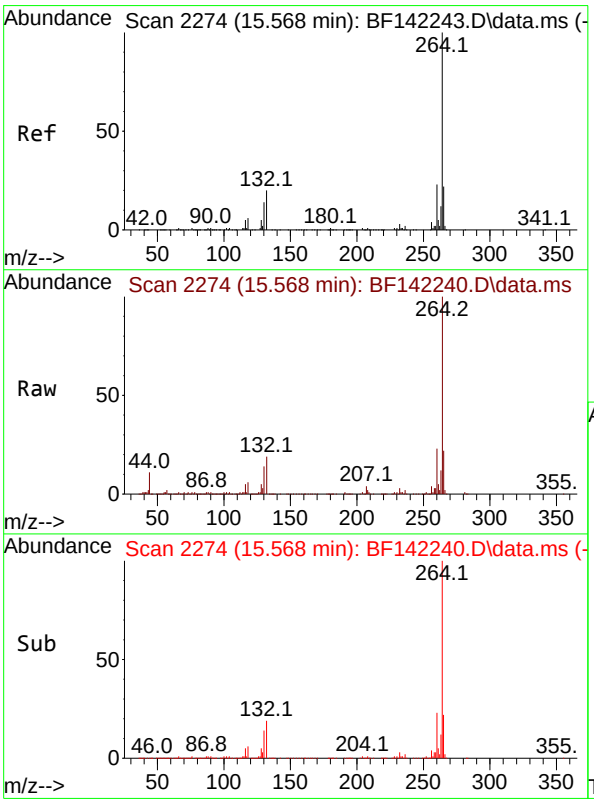
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

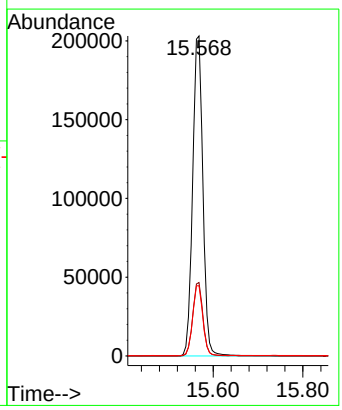


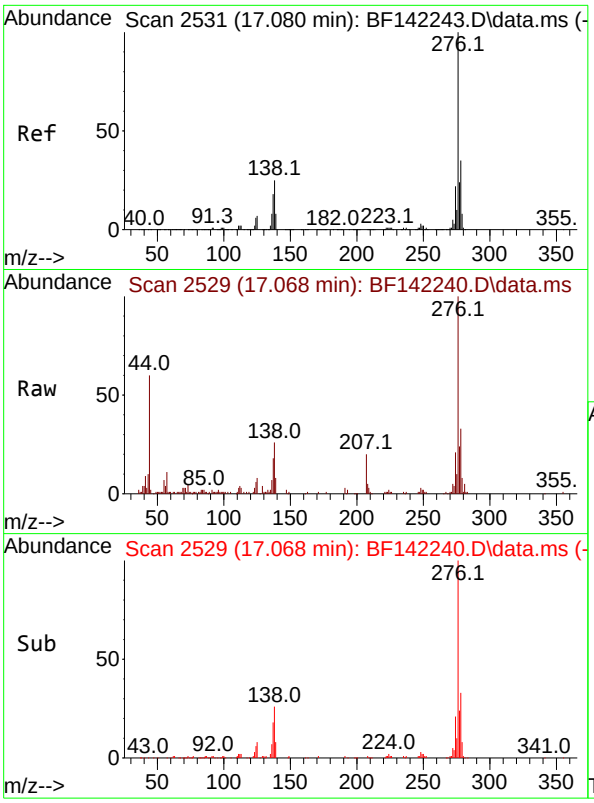


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:264 Resp: 322126

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.4	27.6
265	22.0	17.3	25.9

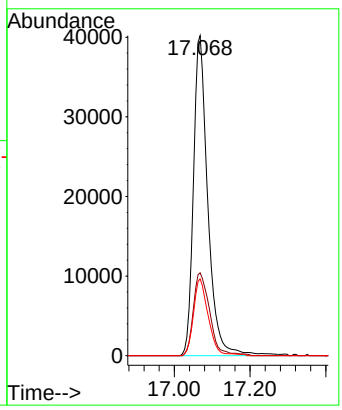




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.516 ng
RT: 17.068 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:276 Resp: 10655

Ion	Ratio	Lower	Upper
276	100		
138	29.4	22.6	33.8
277	24.7	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
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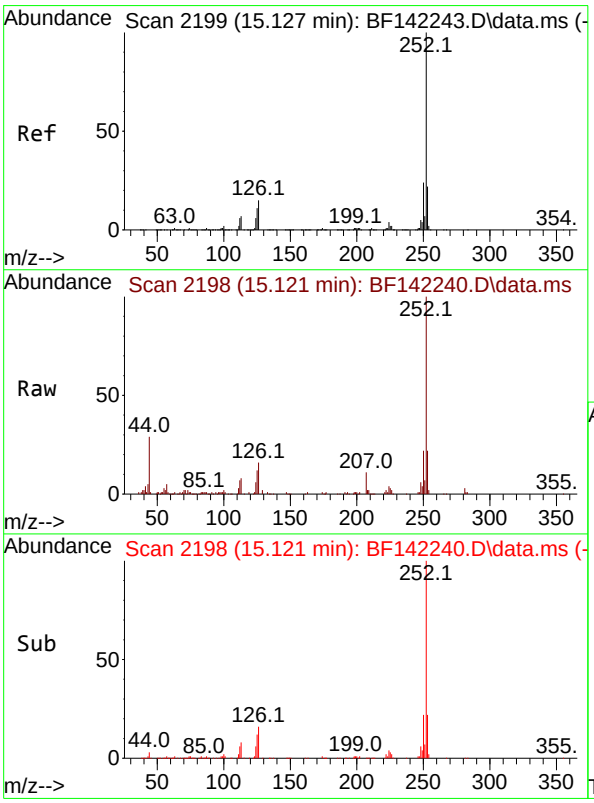
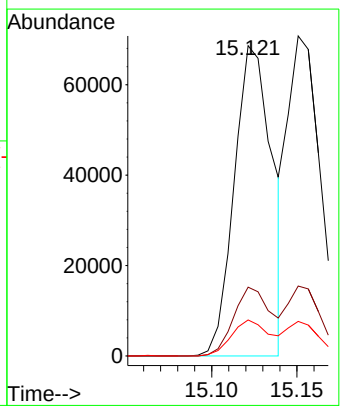
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

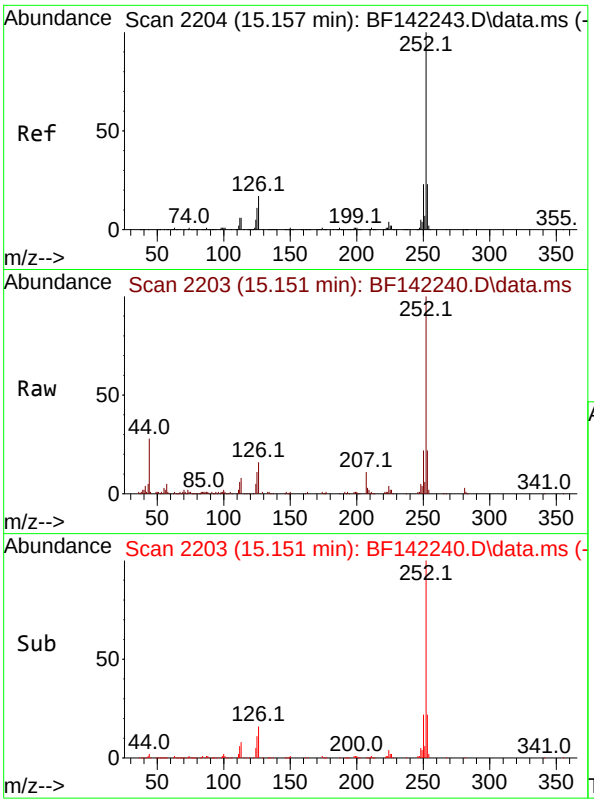


#88
Benzo(b)fluoranthene
Concen: 5.301 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:252 Resp: 106072

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	11.6	9.0	13.4

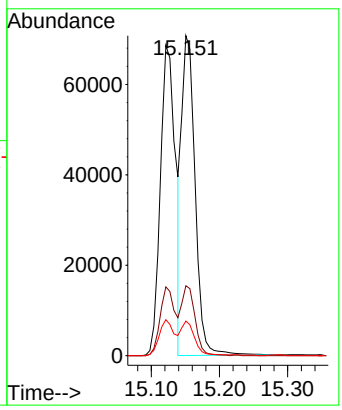




#89
Benzo(k)fluoranthene
Concen: 5.327 ng
RT: 15.151 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:252 Resp: 9749

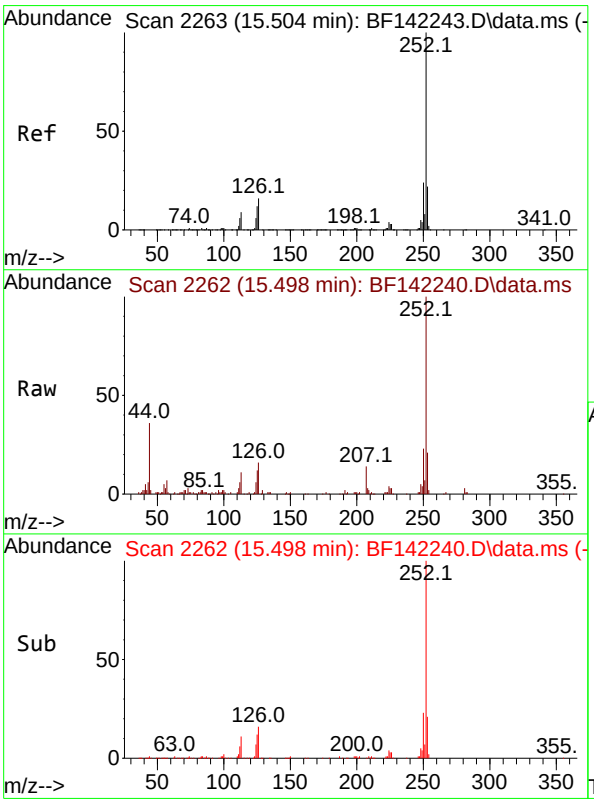
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	10.8	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

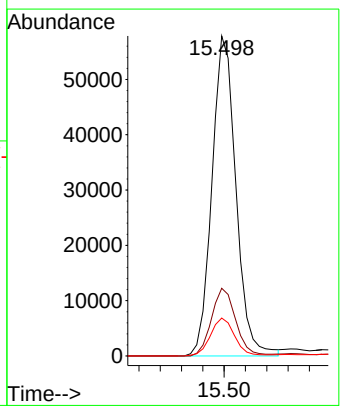
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

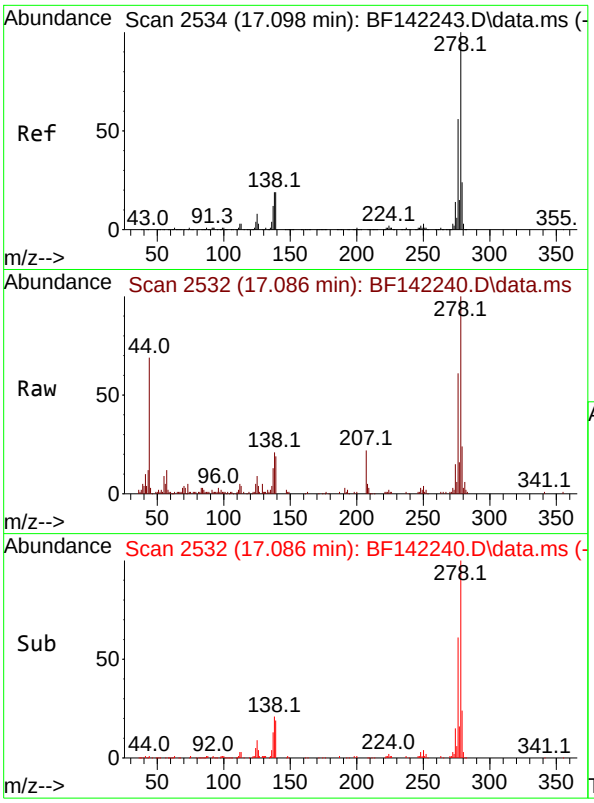


#90
Benzo(a)pyrene
Concen: 4.928 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:252 Resp: 90284

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.6	26.4
125	11.9	9.5	14.3

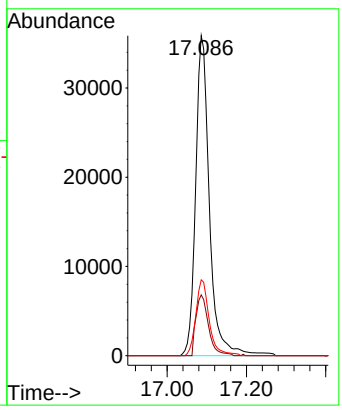




#91
Dibenzo(a,h)anthracene
Concen: 4.520 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:278 Resp: 8655

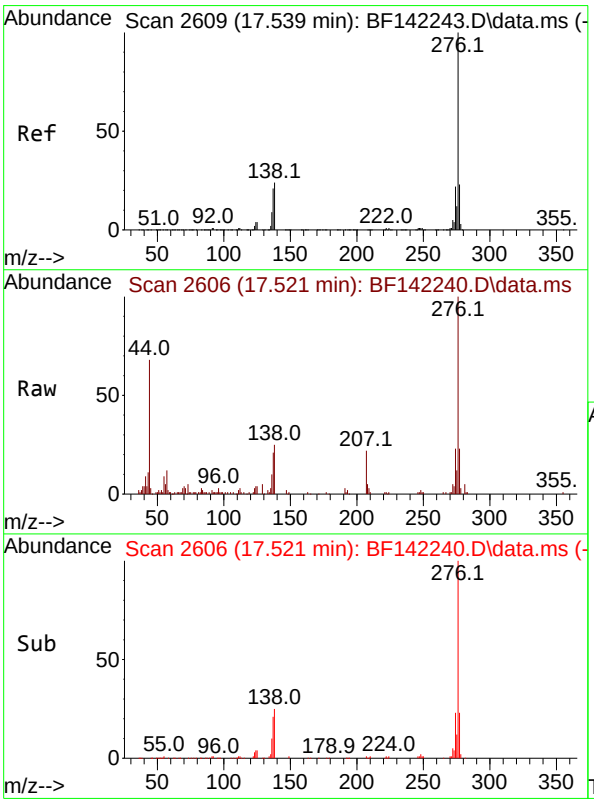
Ion	Ratio	Lower	Upper
278	100		
139	19.0	15.2	22.8
279	23.7	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

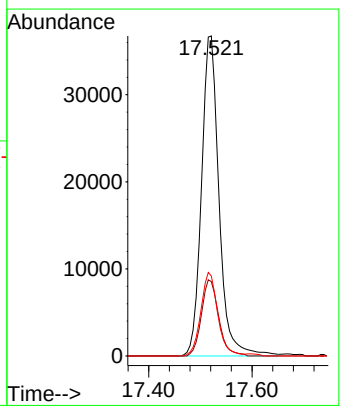
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025



#92
Benzo(g,h,i)perylene
Concen: 4.500 ng
RT: 17.521 min Scan# 2606
Delta R.T. -0.018 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:276 Resp: 86631

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.7	28.1
138	25.0	19.4	29.0



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142241.D
Acq On : 30 Apr 2025 12:20
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Apr 30 15:41:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.910	152	198828	20.000	ng		0.00
21) Naphthalene-d8	8.192	136	764114	20.000	ng		0.00
39) Acenaphthene-d10	9.945	164	402628	20.000	ng		0.00
64) Phenanthrene-d10	11.433	188	692116	20.000	ng		0.00
76) Chrysene-d12	14.074	240	449534	20.000	ng		0.00
86) Perylene-d12	15.568	264	332067	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	246136	19.771	ng		0.00
7) Phenol-d6	6.516	99	299244	19.905	ng		-0.01
23) Nitrobenzene-d5	7.463	82	192172	16.523	ng		-0.01
42) 2,4,6-Tribromophenol	10.727	330	63470	17.292	ng		0.00
45) 2-Fluorobiphenyl	9.263	172	636078	22.275	ng		0.00
79) Terphenyl-d14	13.016	244	635233	20.552	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.699	88	53052	9.541	ng		97
3) Pyridine	3.469	79	138279	9.569	ng		99
4) n-Nitrosodimethylamine	3.399	42	69527	9.297	ng	#	98
6) Aniline	6.563	93	207232	9.739	ng		100
8) 2-Chlorophenol	6.687	128	122451	9.519	ng		98
9) Benzaldehyde	6.457	77	108198	10.297	ng		99
10) Phenol	6.528	94	157877	9.755	ng		99
11) bis(2-Chloroethyl)ether	6.634	93	124281	9.909	ng		99
12) 1,3-Dichlorobenzene	6.851	146	147587	10.141	ng		99
13) 1,4-Dichlorobenzene	6.928	146	147728	10.075	ng		99
14) 1,2-Dichlorobenzene	7.081	146	140999	10.073	ng		99
15) Benzyl Alcohol	7.039	79	101094	9.481	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.181	45	227340	10.038	ng		99
17) 2-Methylphenol	7.145	107	102299	9.707	ng		99
18) Hexachloroethane	7.422	117	46369	9.662	ng		94
19) n-Nitroso-di-n-propyla...	7.310	70	93168	10.029	ng		99
20) 3+4-Methylphenols	7.298	107	131546	9.981	ng		97
22) Acetophenone	7.310	105	184253	10.423	ng		96
24) Nitrobenzene	7.481	77	99900	8.754	ng		95
25) Isophorone	7.722	82	240659	9.859	ng		100
26) 2-Nitrophenol	7.804	139	21744	9.530	ng		98
27) 2,4-Dimethylphenol	7.834	122	121707	9.889	ng		97
28) bis(2-Chloroethoxy)met...	7.934	93	154349	10.026	ng		99
29) 2,4-Dichlorophenol	8.034	162	96761	9.404	ng		98
30) 1,2,4-Trichlorobenzene	8.128	180	115815	10.087	ng		99
31) Naphthalene	8.210	128	397159	10.422	ng		99
32) Benzoic acid	7.881	122	18272	13.045	ng		96
33) 4-Chloroaniline	8.257	127	157999	9.957	ng		99
34) Hexachlorobutadiene	8.334	225	66829	9.976	ng		98
35) Caprolactam	8.586	113	27800	8.989	ng		98
36) 4-Chloro-3-methylphenol	8.722	107	101179	9.576	ng		99
37) 2-Methylnaphthalene	8.904	142	243429	10.390	ng		99
38) 1-Methylnaphthalene	9.004	142	250299	10.312	ng		99
40) 1,2,4,5-Tetrachloroben...	9.069	216	115685	10.209	ng		98
41) Hexachlorocyclopentadiene	9.057	237	53365	8.298	ng		98
43) 2,4,6-Trichlorophenol	9.175	196	66271	9.438	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142241.D
Acq On : 30 Apr 2025 12:20
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Apr 30 15:41:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

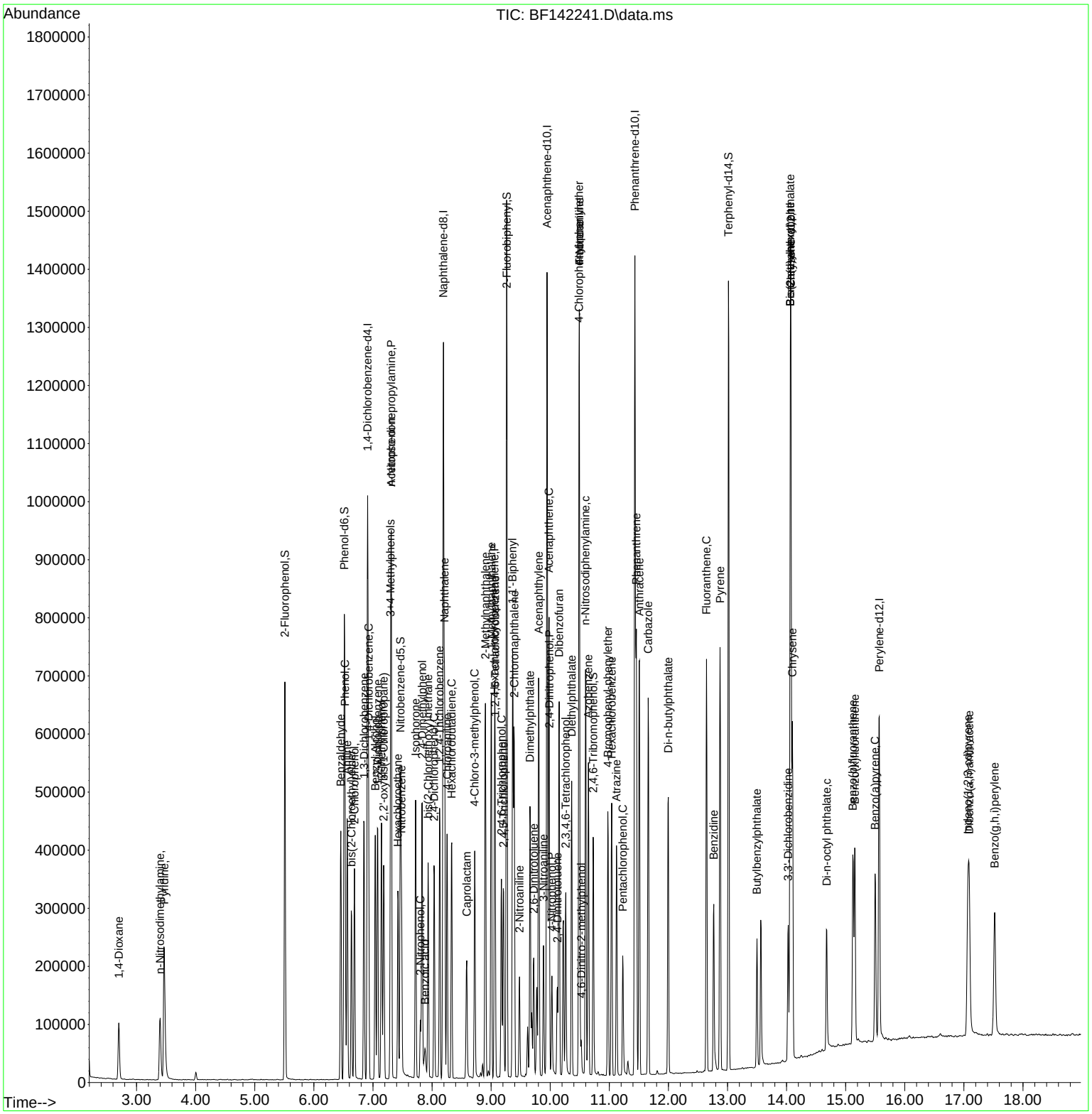
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	66509	9.009	ng		98
46) 1,1'-Biphenyl	9.363	154	326241	10.423	ng		99
47) 2-Chloronaphthalene	9.392	162	236725	10.165	ng		99
48) 2-Nitroaniline	9.480	65	31455	9.382	ng		98
49) Acenaphthylene	9.804	152	407630	10.373	ng		98
50) Dimethylphthalate	9.657	163	258512	10.036	ng		99
51) 2,6-Dinitrotoluene	9.722	165	27624	9.147	ng		91
52) Acenaphthene	9.980	154	236444	10.305	ng		99
53) 3-Nitroaniline	9.886	138	37727	9.049	ng	#	97
54) 2,4-Dinitrophenol	9.986	184	4993	11.362	ng	#	1
55) Dibenzofuran	10.151	168	357431	10.392	ng		99
56) 4-Nitrophenol	10.028	139	26399	6.520	ng		91
57) 2,4-Dinitrotoluene	10.122	165	29245	9.405	ng		94
58) Fluorene	10.492	166	282449	10.800	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	53660	8.775	ng		99
60) Diethylphthalate	10.363	149	254431	10.003	ng		98
61) 4-Chlorophenyl-phenyle...	10.486	204	129149	10.398	ng		99
62) 4-Nitroaniline	10.492	138	35703	8.911	ng		88
63) Azobenzene	10.645	77	253731	10.102	ng		99
65) 4,6-Dinitro-2-methylph...	10.527	198	7762	13.263	ng		95
66) n-Nitrosodiphenylamine	10.598	169	237471	10.042	ng		100
67) 4-Bromophenyl-phenylether	10.975	248	75692	9.820	ng		97
68) Hexachlorobenzene	11.039	284	84881	9.832	ng		96
69) Atrazine	11.122	200	59553	9.554	ng		98
70) Pentachlorophenol	11.227	266	32058	7.029	ng		99
71) Phenanthrene	11.457	178	385677	10.316	ng		99
72) Anthracene	11.510	178	401700	10.509	ng		98
73) Carbazole	11.657	167	362249	10.389	ng		98
74) Di-n-butylphthalate	11.998	149	348111	9.927	ng		99
75) Fluoranthene	12.645	202	395757	10.709	ng		99
77) Benzidine	12.769	184	168038	8.797	ng		99
78) Pyrene	12.874	202	404860	9.763	ng		100
80) Butylbenzylphthalate	13.498	149	65964	9.084	ng		98
81) Benzo(a)anthracene	14.063	228	296710	9.832	ng		99
82) 3,3'-Dichlorobenzidine	14.027	252	71321	8.046	ng		98
83) Chrysene	14.098	228	271875	9.897	ng		100
84) Bis(2-ethylhexyl)phtha...	14.063	149	100777	9.409	ng		99
85) Di-n-octyl phthalate	14.680	149	150072	10.622	ng		99
87) Indeno(1,2,3-cd)pyrene	17.068	276	229818	9.449	ng		100
88) Benzo(b)fluoranthene	15.121	252	202615	9.823	ng		99
89) Benzo(k)fluoranthene	15.157	252	192500	10.203	ng		98
90) Benzo(a)pyrene	15.498	252	182258	9.651	ng		99
91) Dibenzo(a,h)anthracene	17.092	278	187788	9.513	ng		99
92) Benzo(g,h,i)perylene	17.521	276	188891	9.518	ng		99

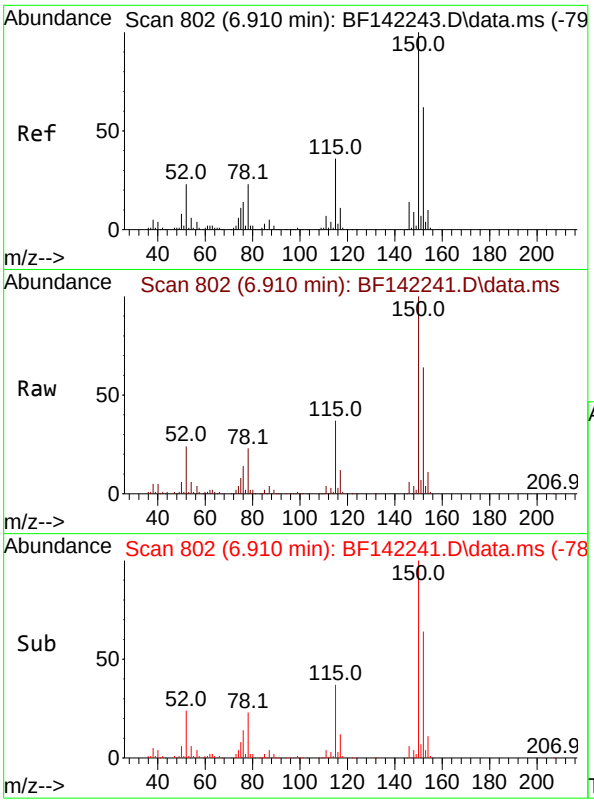
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142241.D
Acq On : 30 Apr 2025 12:20
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Apr 30 15:41:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration



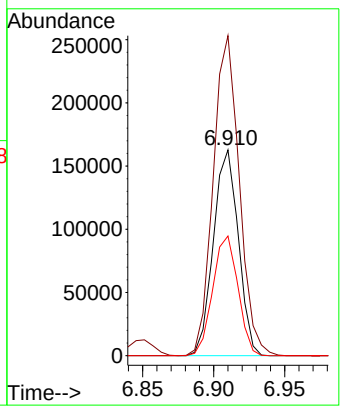


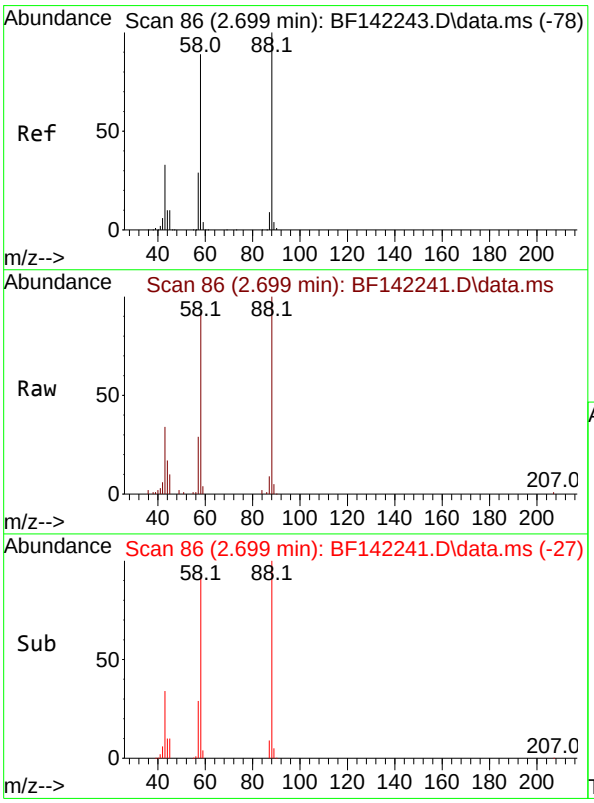
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 198828

Ion	Ratio	Lower	Upper
152	100		
150	155.6	130.2	195.2
115	58.2	47.0	70.4

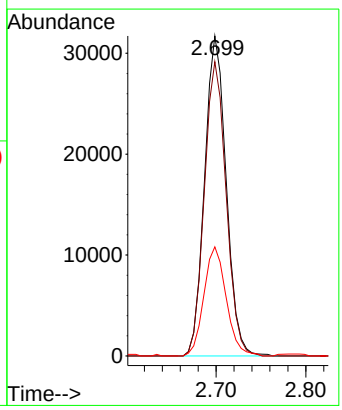


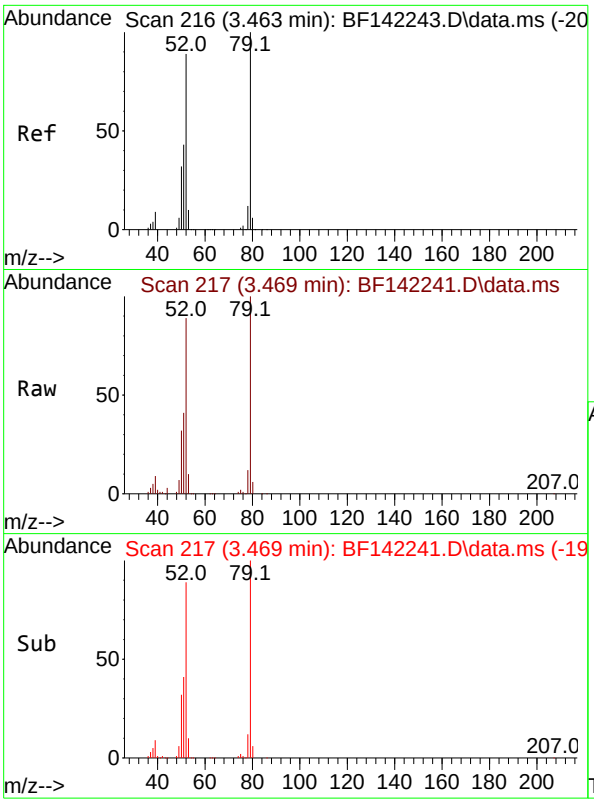


#2
1,4-Dioxane
Concen: 9.541 ng
RT: 2.699 min Scan# 86
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion: 88 Resp: 53052

Ion	Ratio	Lower	Upper
88	100		
58	92.8	72.2	108.2
43	35.3	27.0	40.6



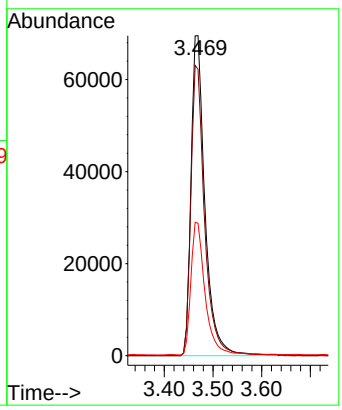


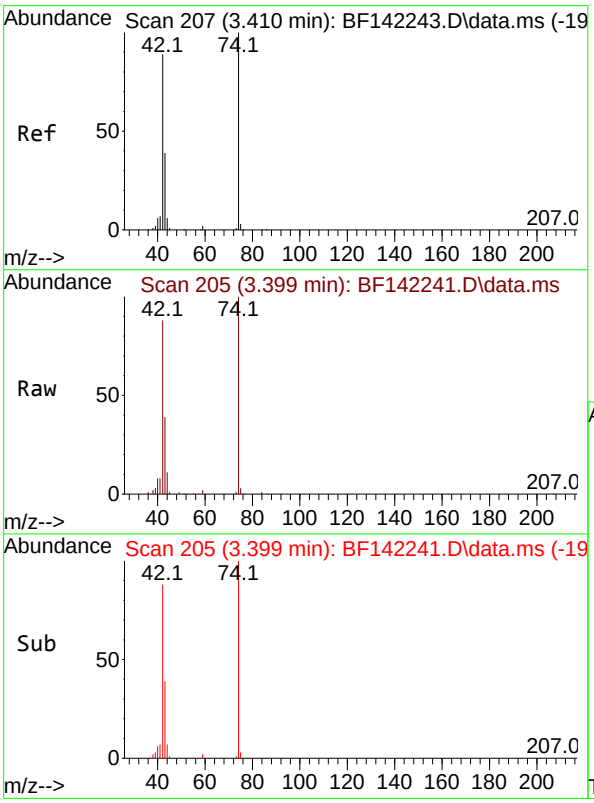
#3
Pyridine
Concen: 9.569 ng
RT: 3.469 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 138279

Ion	Ratio	Lower	Upper
79	100		
52	89.5	71.5	107.3
51	41.3	34.5	51.7

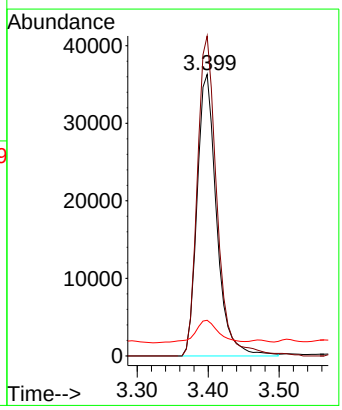


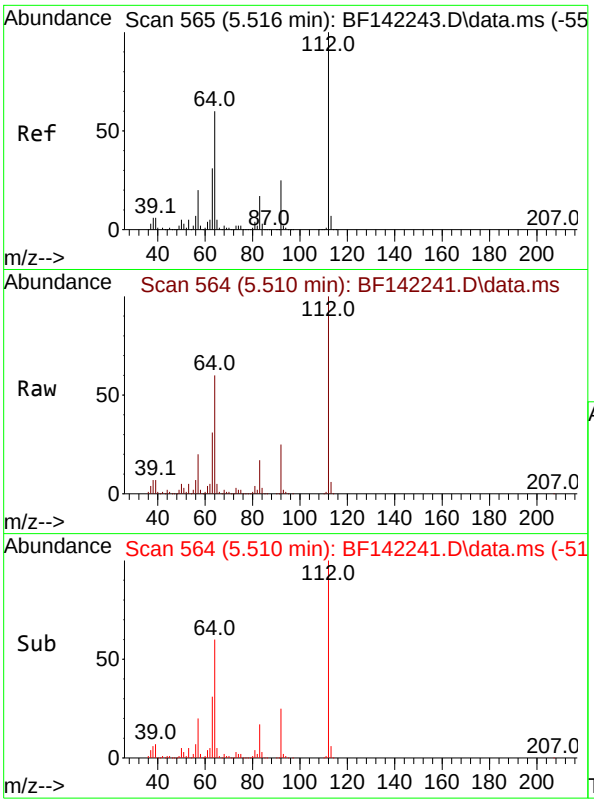


#4
n-Nitrosodimethylamine
Concen: 9.297 ng
RT: 3.399 min Scan# 205
Delta R.T. -0.012 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion: 42 Resp: 69527

Ion	Ratio	Lower	Upper
42	100		
74	113.7	89.5	134.3
44	12.7	6.6	9.8#



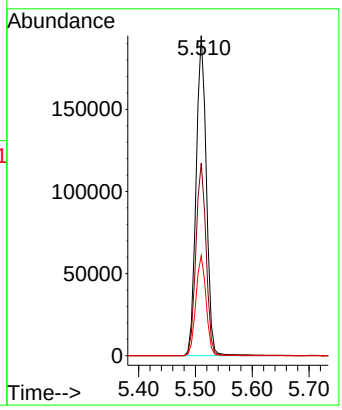


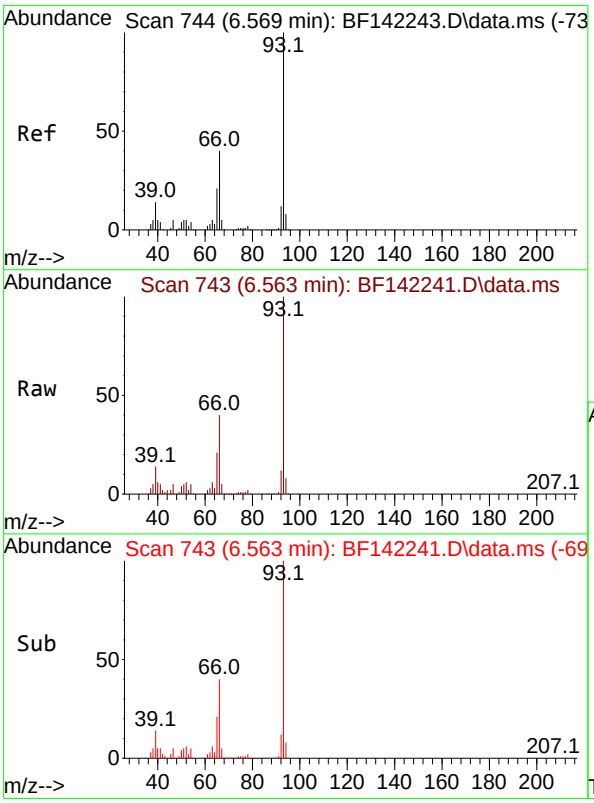
#5
2-Fluorophenol
Concen: 19.771 ng
RT: 5.510 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 246136

Ion	Ratio	Lower	Upper
112	100		
64	60.2	48.4	72.6
63	31.3	24.8	37.2

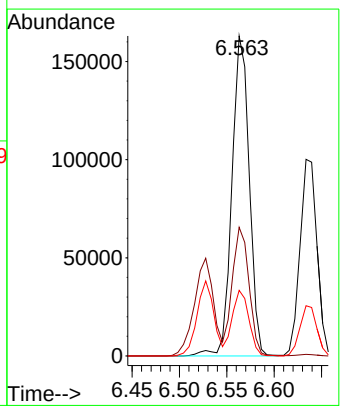


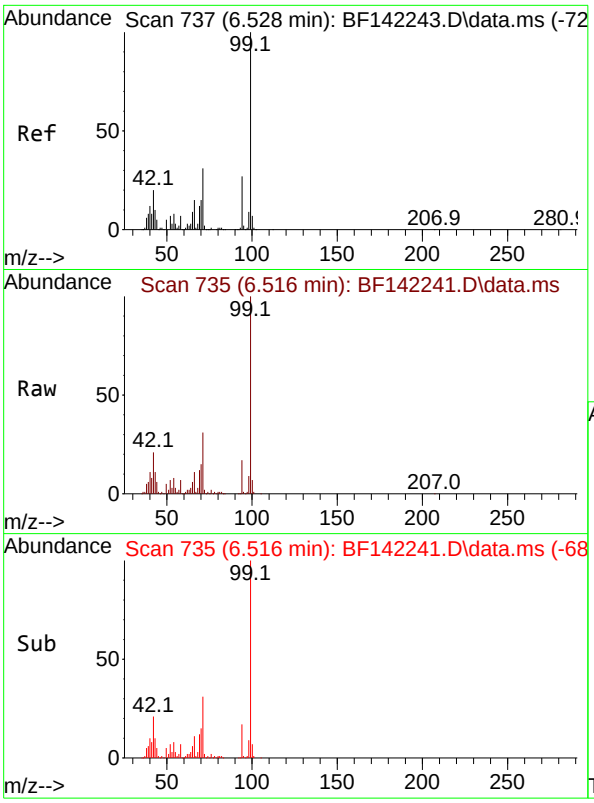


#6
Aniline
Concen: 9.739 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion: 93 Resp: 207232

Ion	Ratio	Lower	Upper
93	100		
66	40.2	32.1	48.1
65	20.5	16.6	24.8



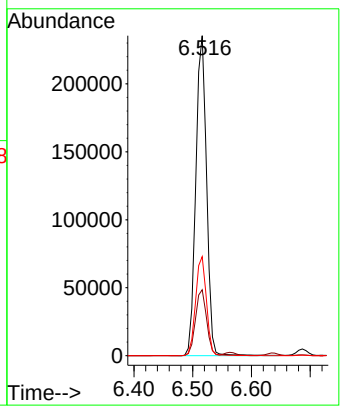


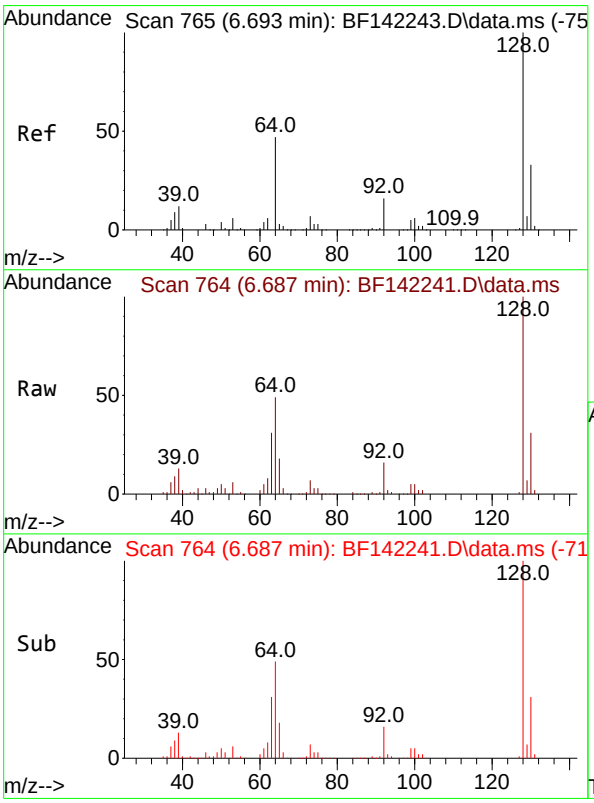
#7
Phenol-d6
Concen: 19.905 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 299244

Ion	Ratio	Lower	Upper
99	100		
42	20.6	16.3	24.5
71	30.9	25.0	37.4

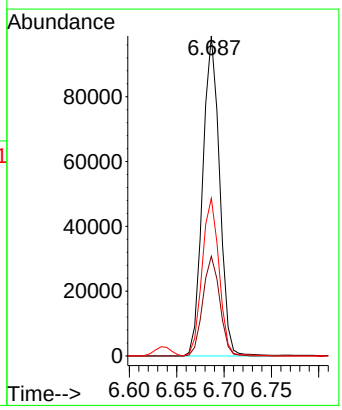


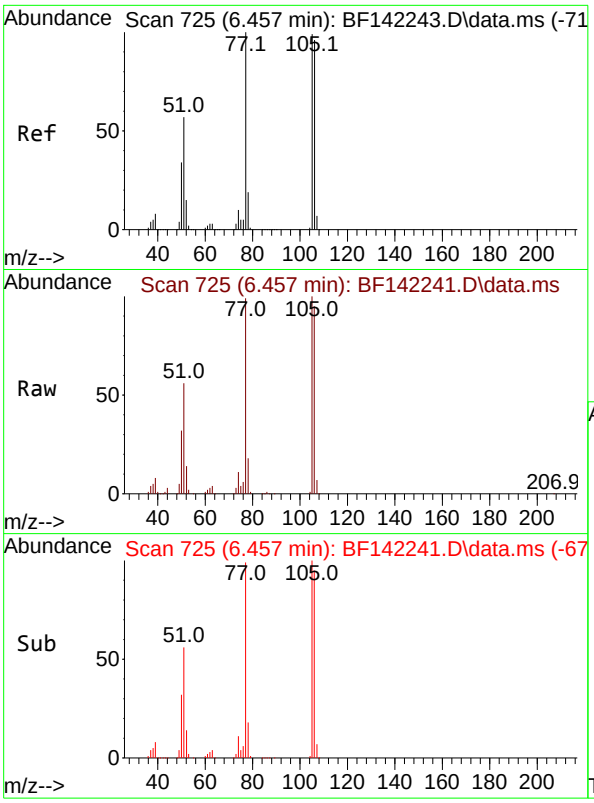


#8
2-Chlorophenol
Concen: 9.519 ng
RT: 6.687 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:128 Resp: 122451

Ion	Ratio	Lower	Upper
128	100		
130	31.1	13.1	53.1
64	49.2	28.6	68.6



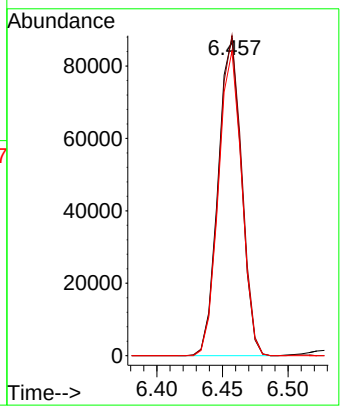


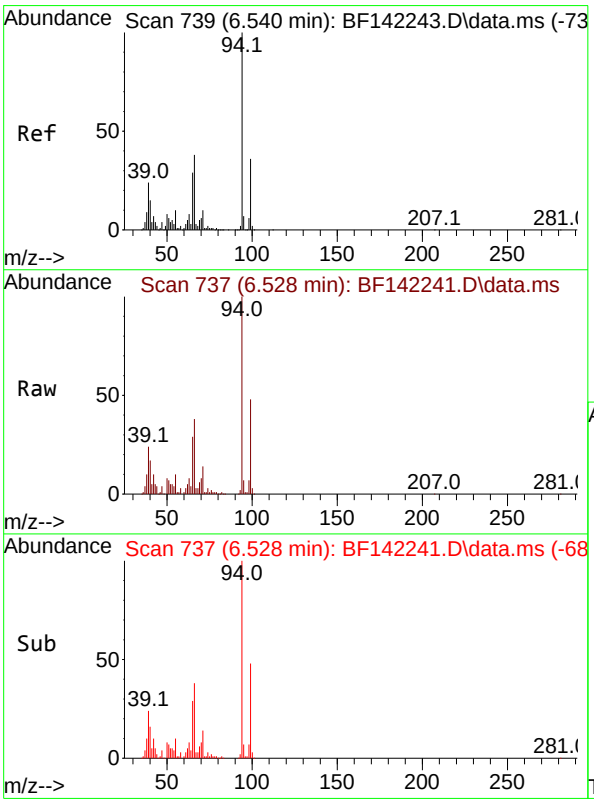
#9
Benzaldehyde
Concen: 10.297 ng
RT: 6.457 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 108198

Ion	Ratio	Lower	Upper
77	100		
105	100.7	79.1	119.1
106	95.9	76.0	116.0

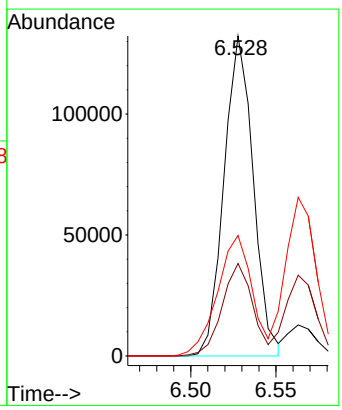


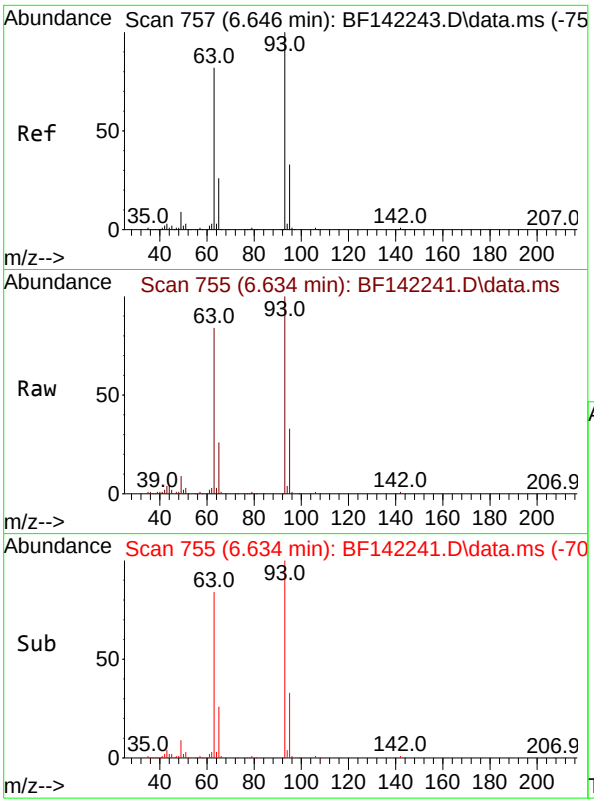


#10
Phenol
Concen: 9.755 ng
RT: 6.528 min Scan# 737
Delta R.T. -0.012 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion: 94 Resp: 157877

Ion	Ratio	Lower	Upper
94	100		
65	28.9	8.9	48.9
66	37.6	18.7	58.7



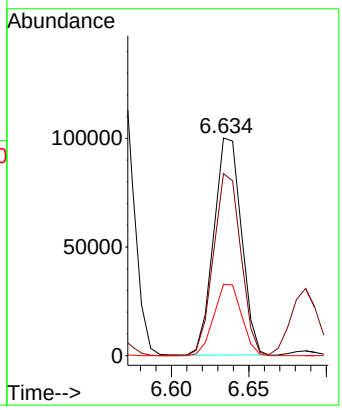


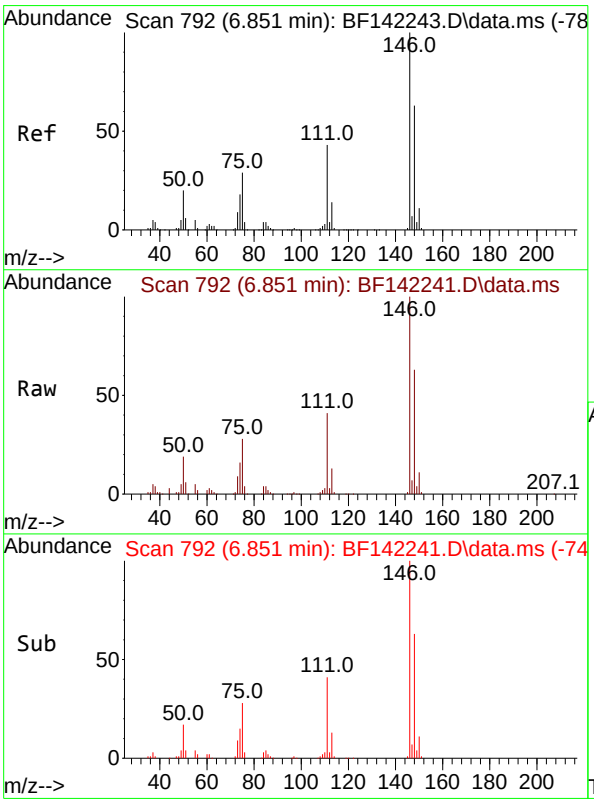
#11
bis(2-Chloroethyl)ether
Concen: 9.909 ng
RT: 6.634 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 124281

Ion	Ratio	Lower	Upper
93	100		
63	83.6	62.2	102.2
95	32.8	12.7	52.7

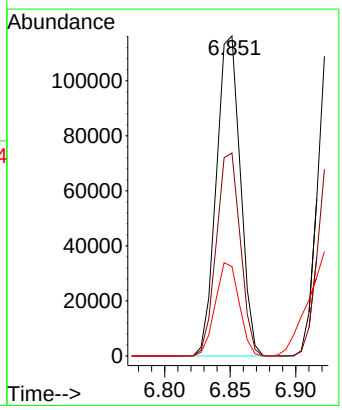


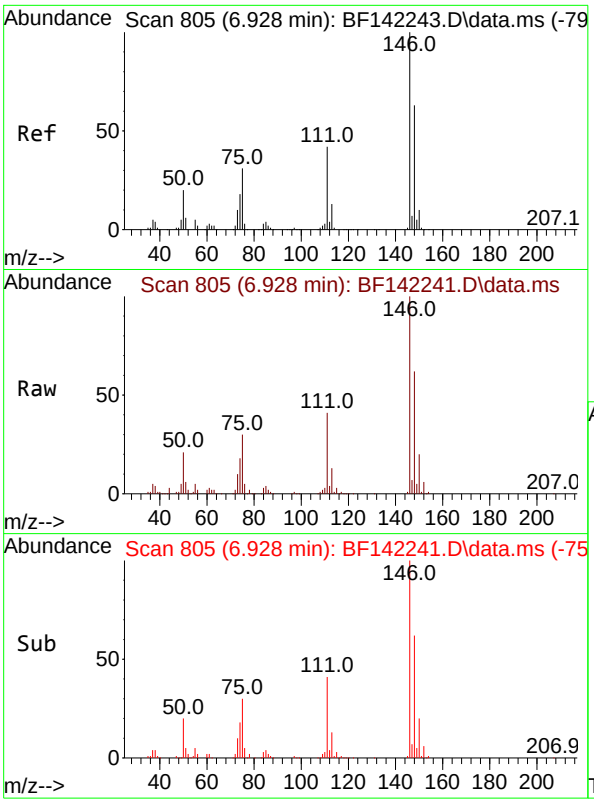


#12
1,3-Dichlorobenzene
Concen: 10.141 ng
RT: 6.851 min Scan# 792
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:146 Resp: 147587

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.5	75.7
75	28.0	23.2	34.8



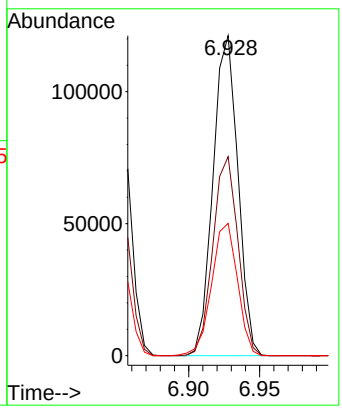


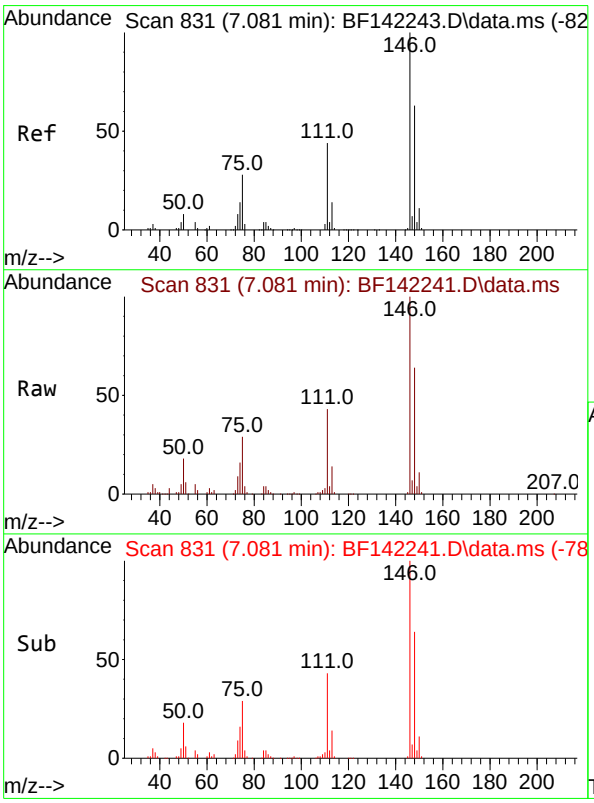
#13
1,4-Dichlorobenzene
Concen: 10.075 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 147728

Ion	Ratio	Lower	Upper
146	100		
148	62.2	50.6	76.0
111	41.4	33.4	50.0

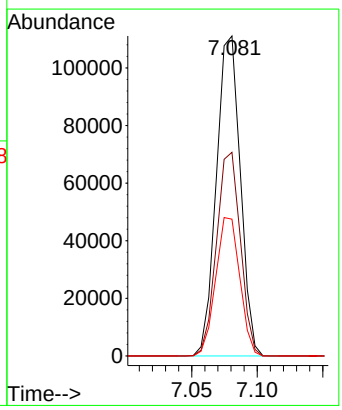


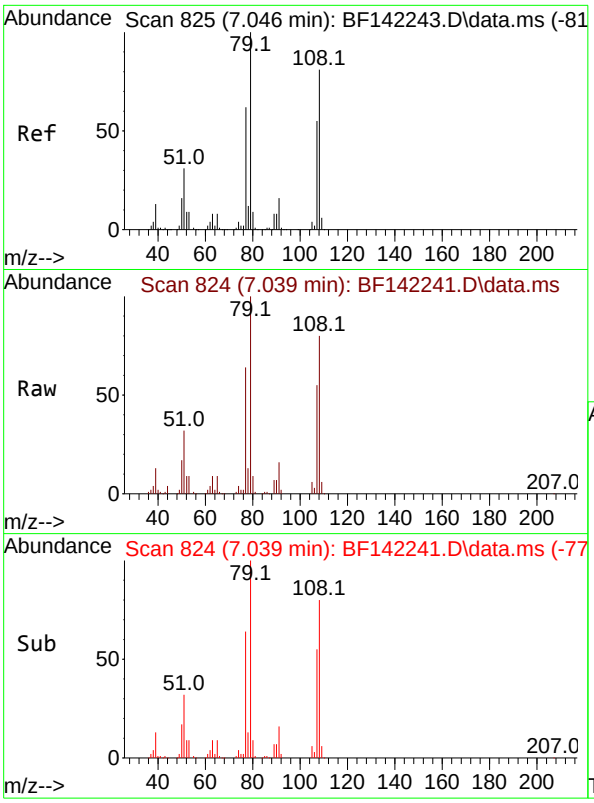


#14
1,2-Dichlorobenzene
Concen: 10.073 ng
RT: 7.081 min Scan# 831
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:146 Resp: 140999

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.5	75.7
111	42.8	34.9	52.3



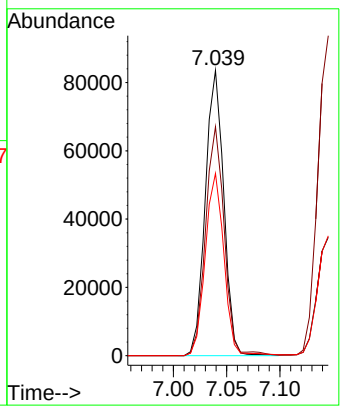


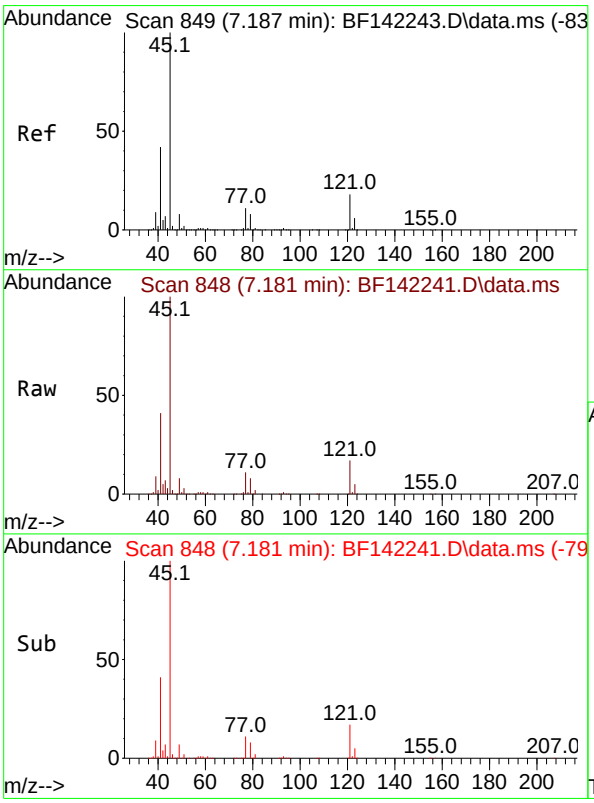
#15
Benzyl Alcohol
Concen: 9.481 ng
RT: 7.039 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 101094

Ion	Ratio	Lower	Upper
79	100		
108	80.3	64.5	96.7
77	63.9	49.2	73.8

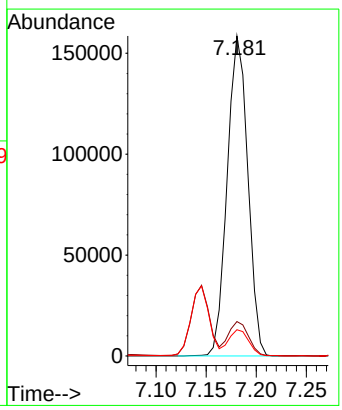


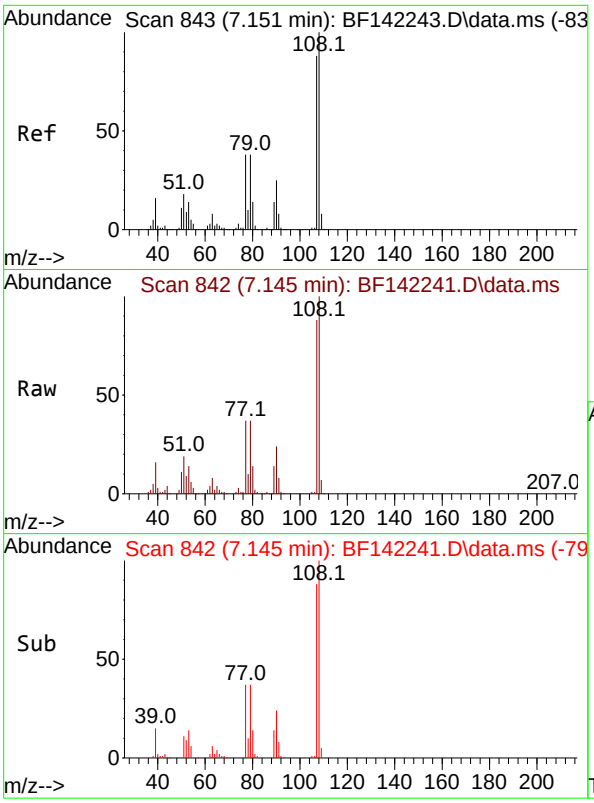


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.038 ng
RT: 7.181 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion: 45 Resp: 227340

Ion	Ratio	Lower	Upper
45	100		
77	10.8	0.0	31.3
79	8.2	0.0	28.5



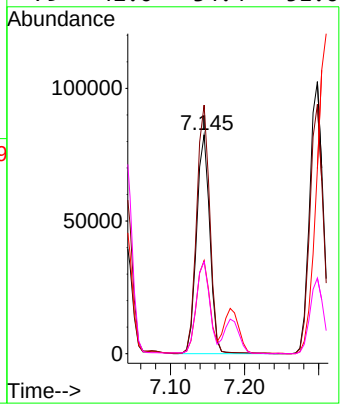


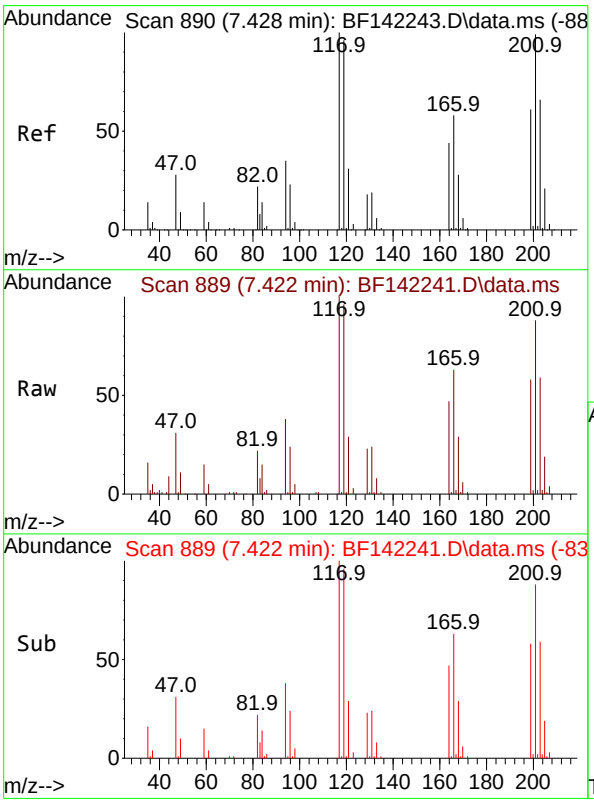
#17
2-Methylphenol
Concen: 9.707 ng
RT: 7.145 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 102299

Ion	Ratio	Lower	Upper
107	100		
108	113.6	91.0	136.4
77	42.5	34.4	51.6
79	42.0	34.4	51.6

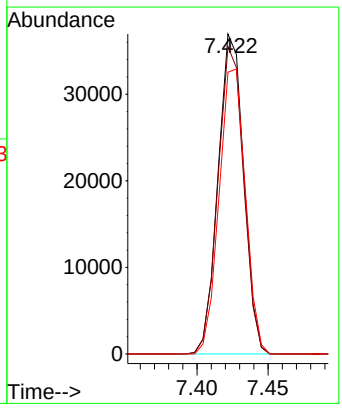


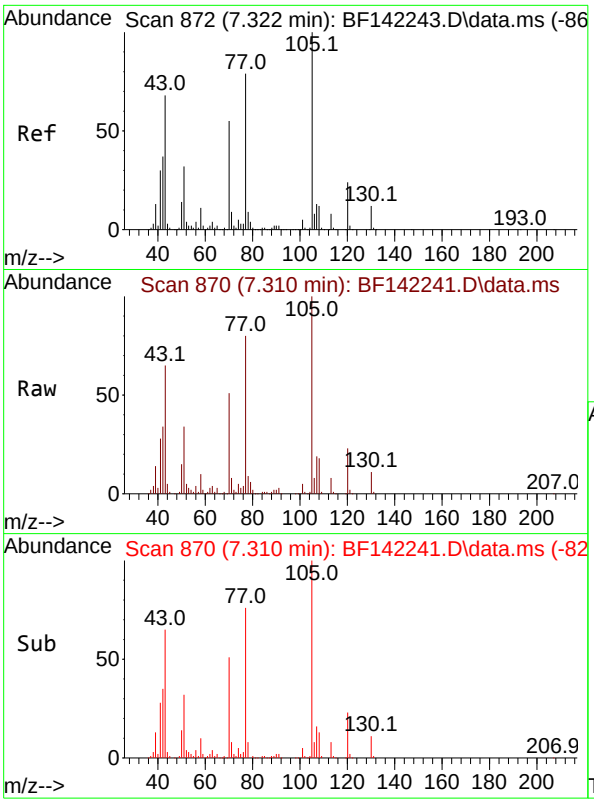


#18
Hexachloroethane
Concen: 9.662 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:117 Resp: 46369

Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.1	115.7
201	88.1	79.4	119.2



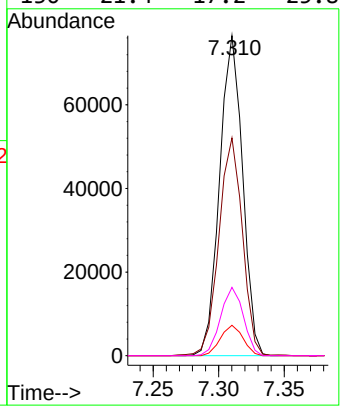


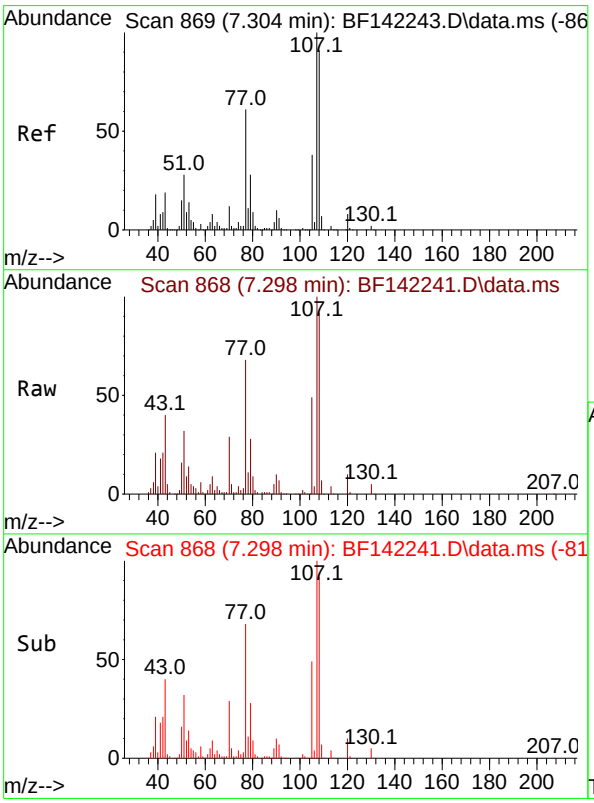
#19
n-Nitroso-di-n-propylamine
Concen: 10.029 ng
RT: 7.310 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 93168

Ion	Ratio	Lower	Upper
70	100		
42	68.0	53.4	80.2
101	9.5	7.7	11.5
130	21.4	17.2	25.8

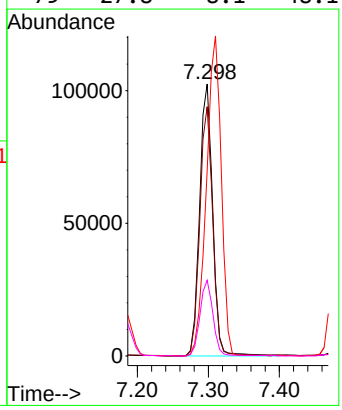


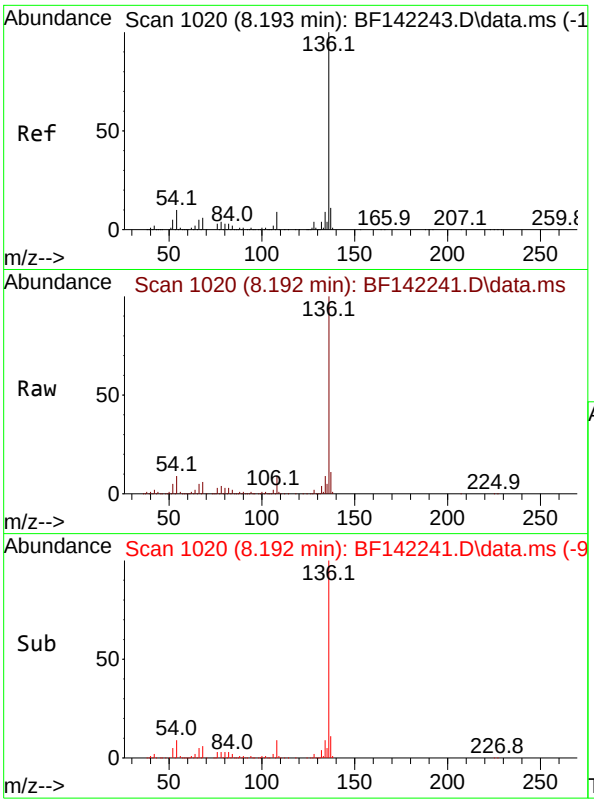


#20
3+4-Methylphenols
Concen: 9.981 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:107 Resp: 131546

Ion	Ratio	Lower	Upper
107	100		
108	91.7	71.2	111.2
77	68.1	41.1	81.1
79	27.8	8.1	48.1



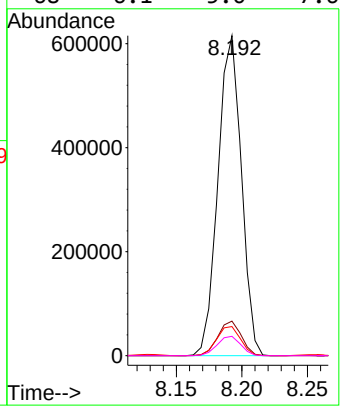


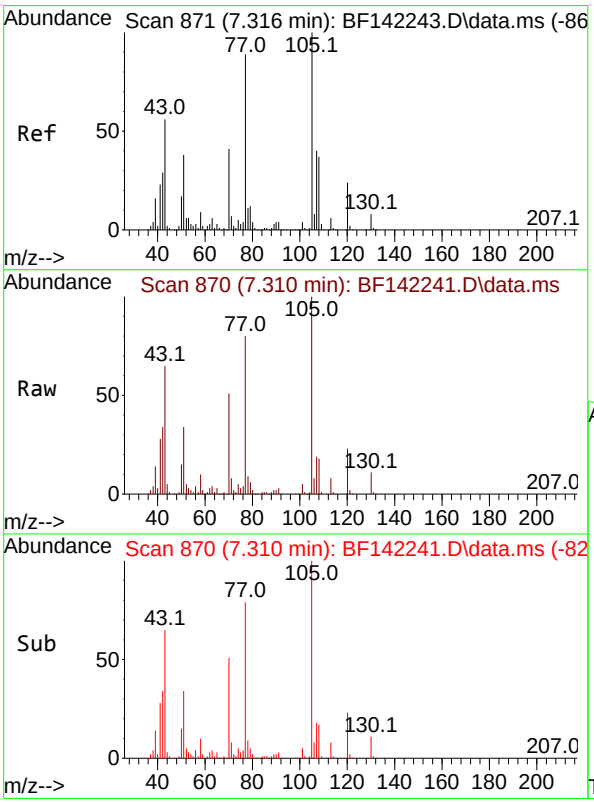
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 764114

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	9.1	7.7	11.5
68	6.1	5.0	7.6

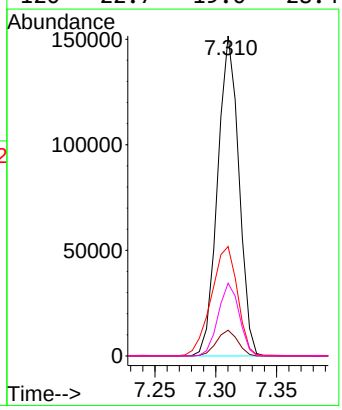


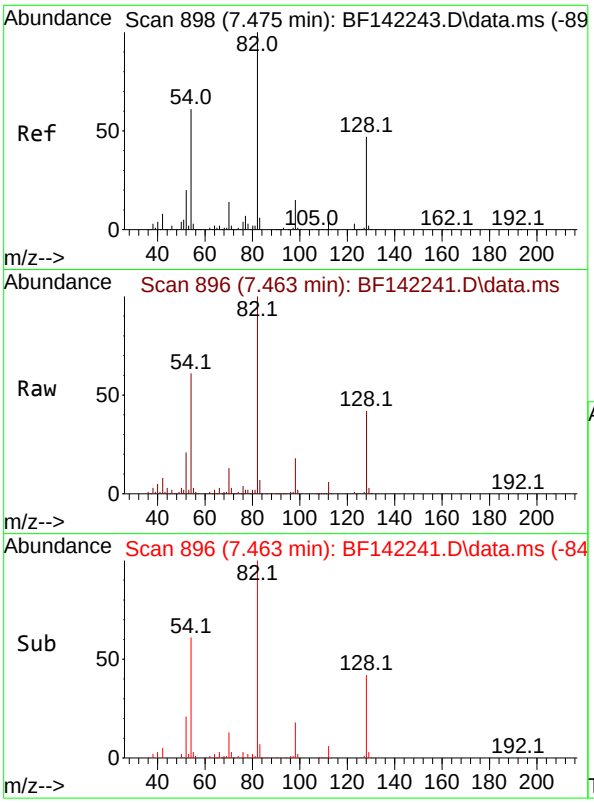


#22
Acetophenone
Concen: 10.423 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:105 Resp: 184253

Ion	Ratio	Lower	Upper
105	100		
71	8.1	5.7	8.5
51	34.2	30.1	45.1
120	22.7	19.0	28.4



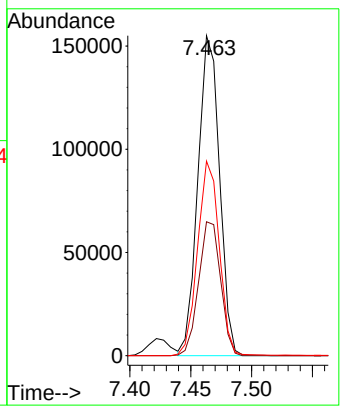


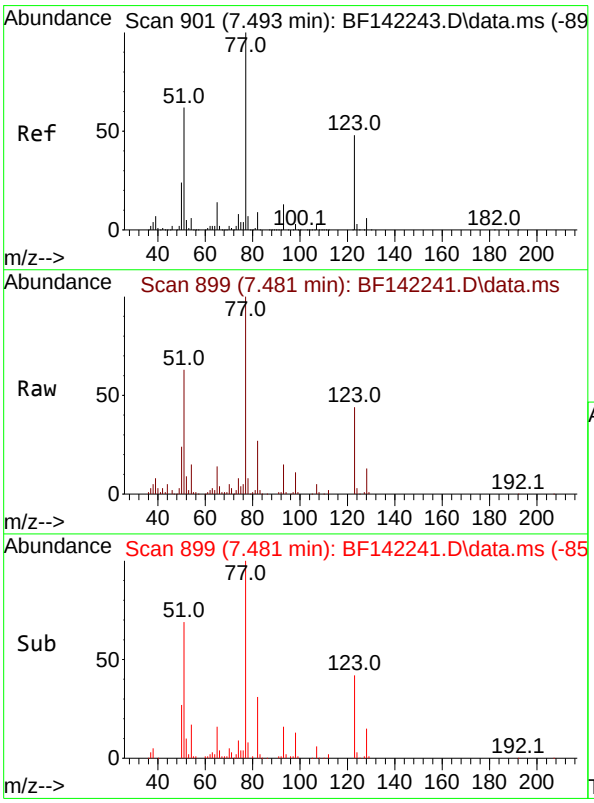
#23
Nitrobenzene-d5
Concen: 16.523 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 192172

Ion	Ratio	Lower	Upper
82	100		
128	41.8	37.0	55.6
54	60.8	48.0	72.0

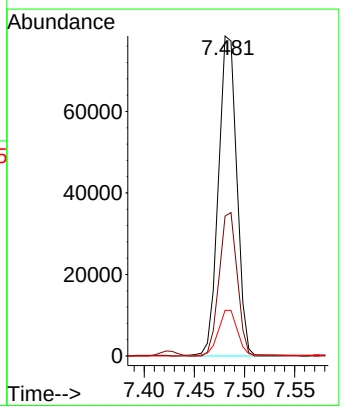


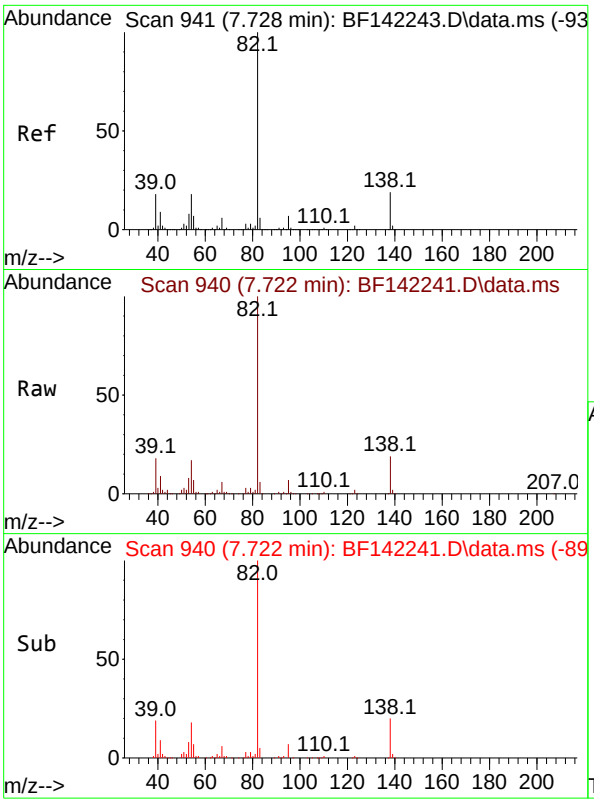


#24
Nitrobenzene
Concen: 8.754 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion: 77 Resp: 99900

Ion	Ratio	Lower	Upper
77	100		
123	43.7	38.6	58.0
65	14.3	11.5	17.3



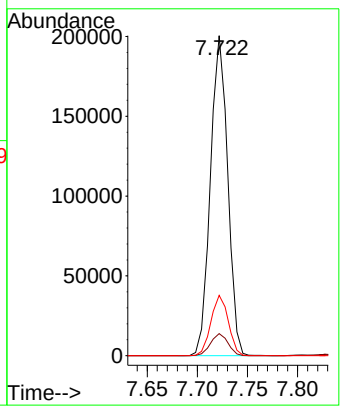


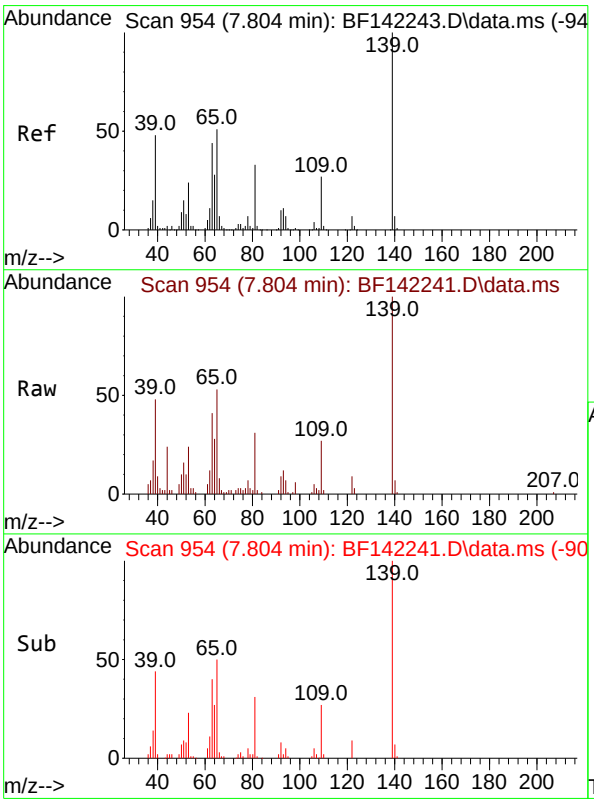
#25
Isophorone
Concen: 9.859 ng
RT: 7.722 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 240659

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.6	8.4
138	18.8	15.3	22.9

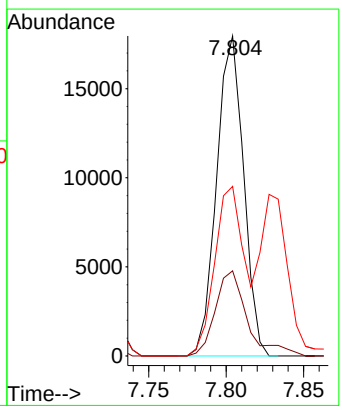


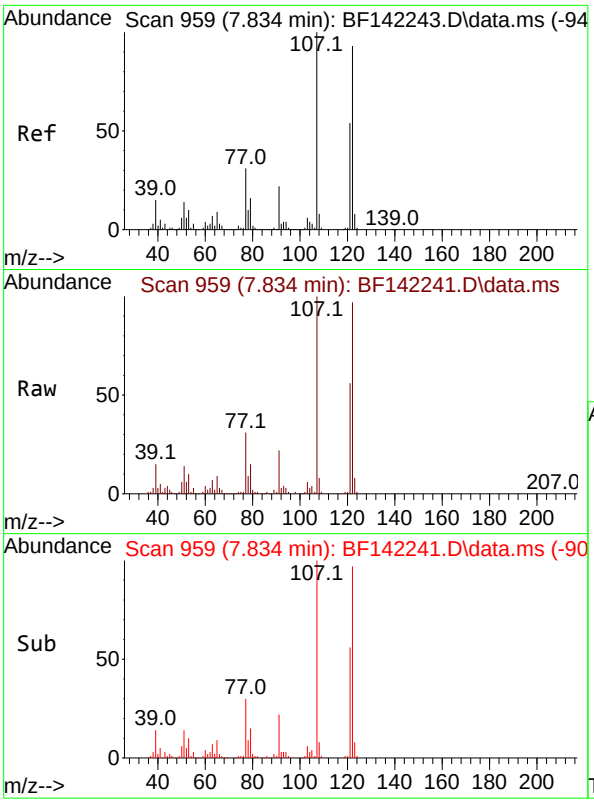


#26
2-Nitrophenol
Concen: 9.530 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:139 Resp: 21744

Ion	Ratio	Lower	Upper
139	100		
109	26.6	21.8	32.8
65	53.0	41.1	61.7



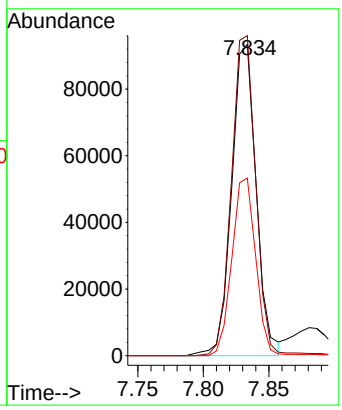


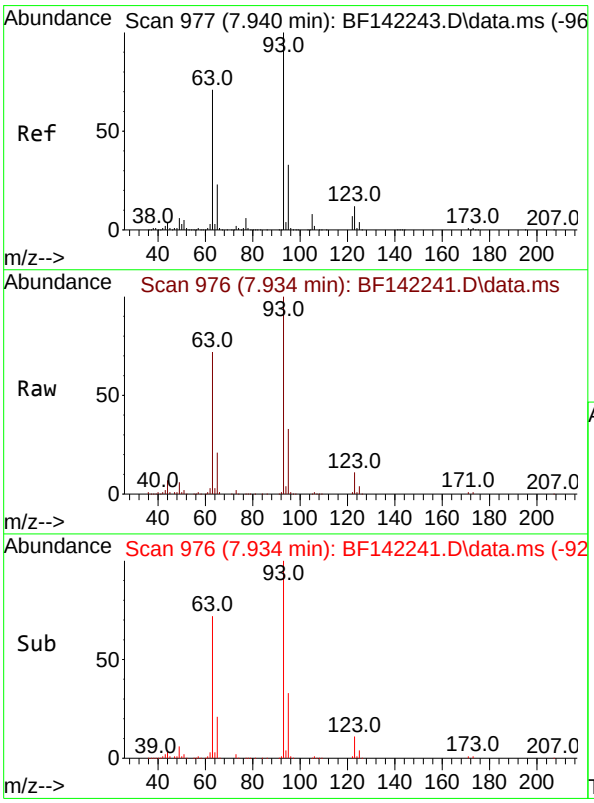
#27
2,4-Dimethylphenol
Concen: 9.889 ng
RT: 7.834 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 121707

Ion	Ratio	Lower	Upper
122	100		
107	102.8	86.0	129.0
121	57.1	46.3	69.5

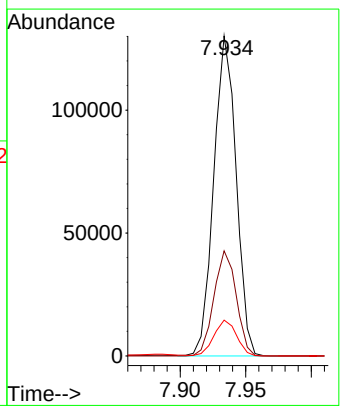


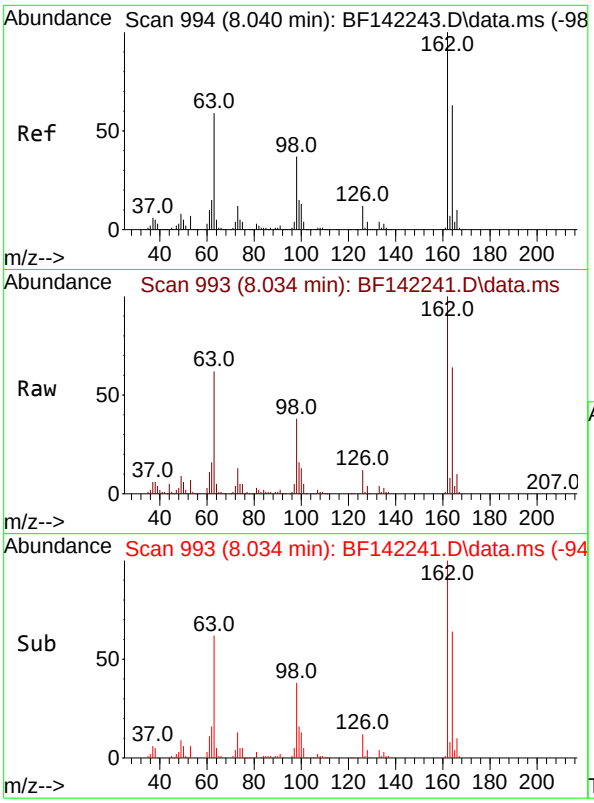


#28
bis(2-Chloroethoxy)methane
Concen: 10.026 ng
RT: 7.934 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion: 93 Resp: 154349

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.2	39.2
123	11.2	9.7	14.5



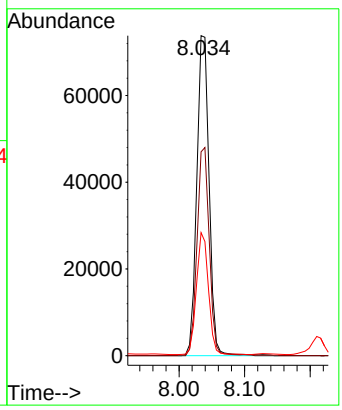


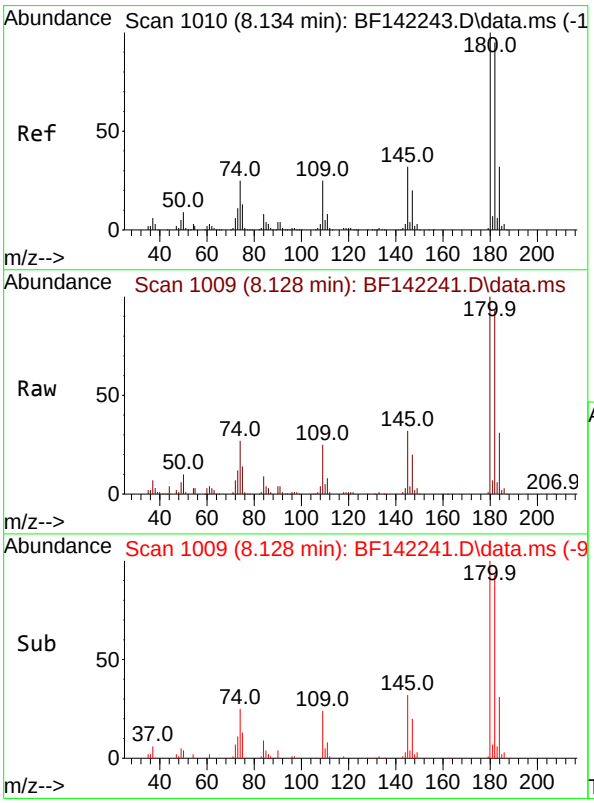
#29
2,4-Dichlorophenol
Concen: 9.404 ng
RT: 8.034 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 96761

Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.0	83.0
98	38.4	16.7	56.7

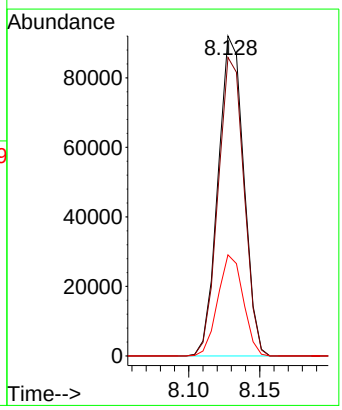


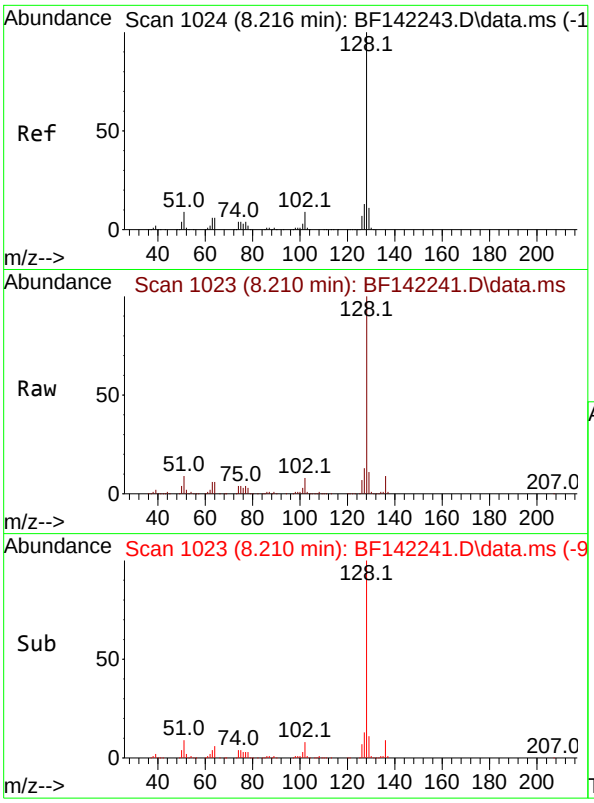


#30
1,2,4-Trichlorobenzene
Concen: 10.087 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:180 Resp: 115815

Ion	Ratio	Lower	Upper
180	100		
182	93.3	75.7	113.5
145	31.6	25.4	38.0



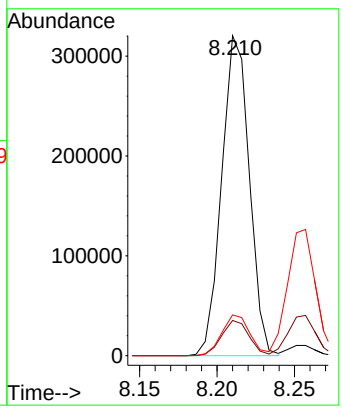


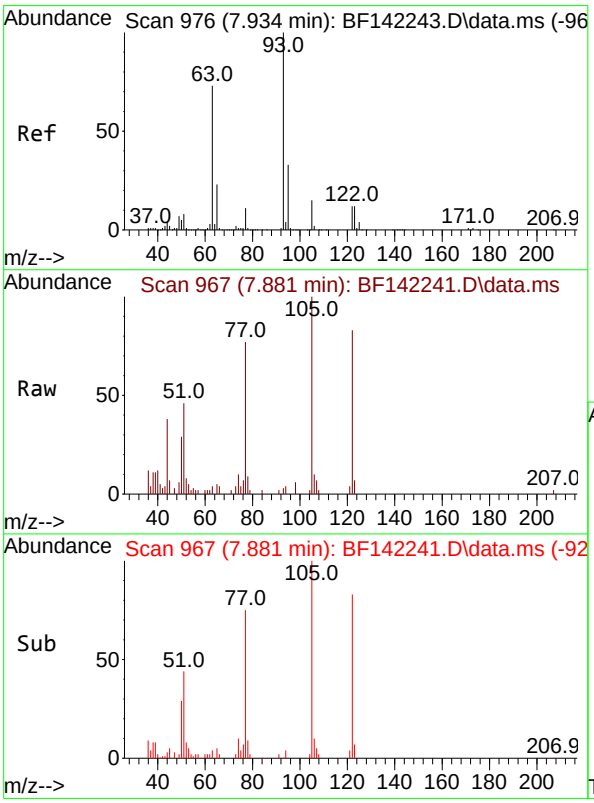
#31
Naphthalene
Concen: 10.422 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 397159

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.4
127	12.8	10.6	15.8

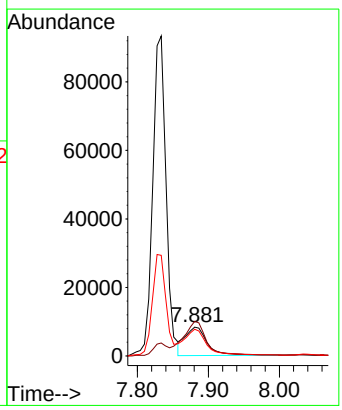


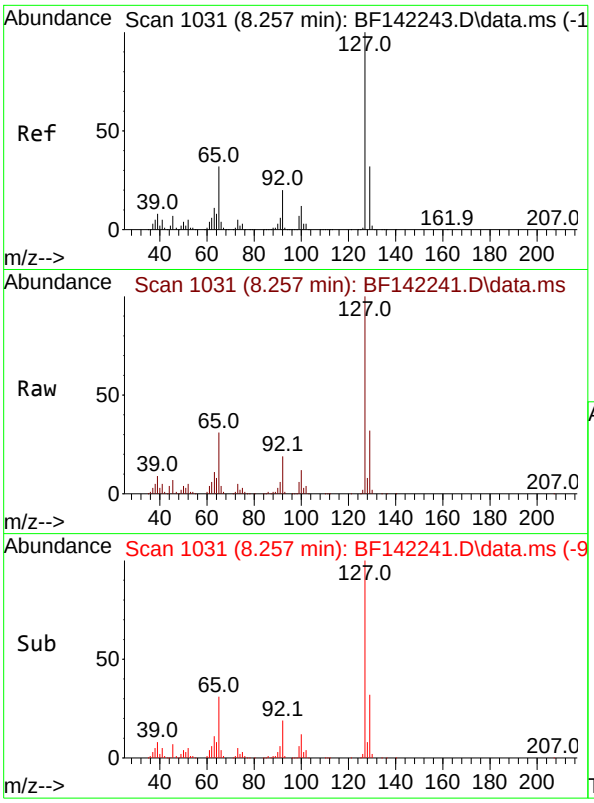


#32
Benzoic acid
Concen: 13.045 ng
RT: 7.881 min Scan# 967
Delta R.T. -0.053 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:122 Resp: 18272

Ion	Ratio	Lower	Upper
122	100		
105	120.0	98.2	138.2
77	92.6	66.8	106.8



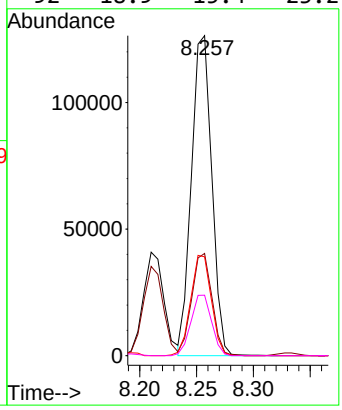


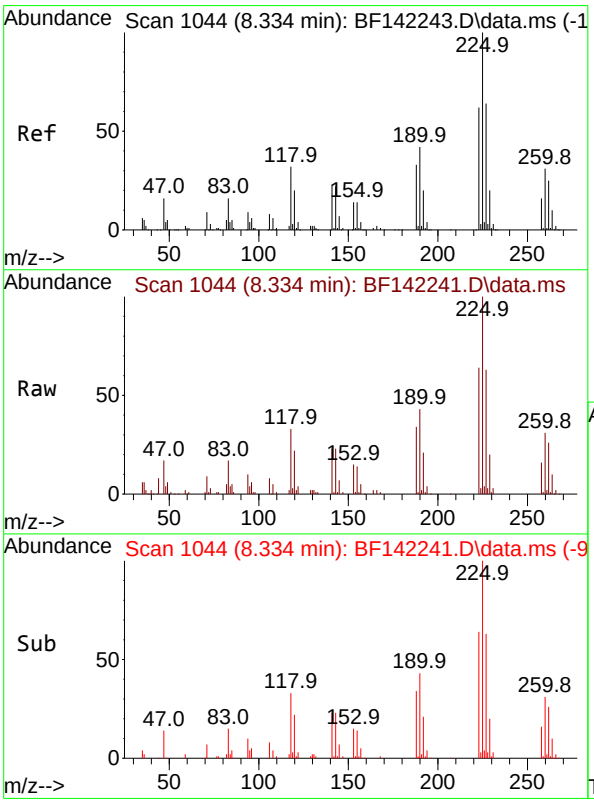
#33
4-Chloroaniline
Concen: 9.957 ng
RT: 8.257 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 157999

Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.1	39.1
65	30.9	25.5	38.3
92	18.9	15.4	23.2

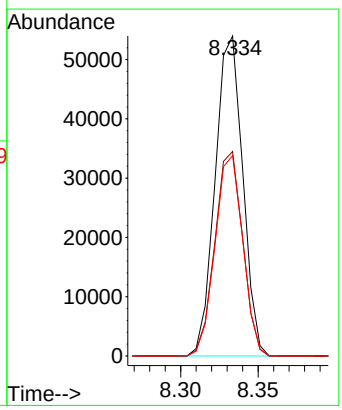


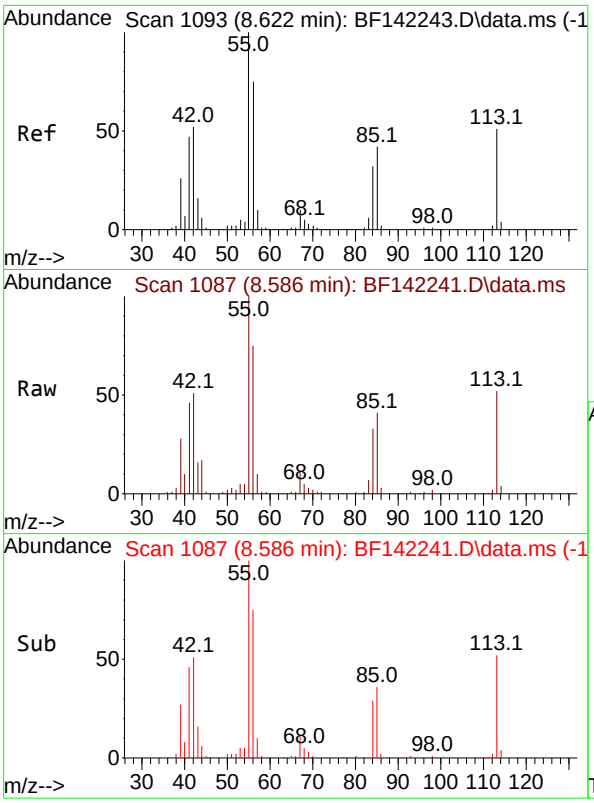


#34
Hexachlorobutadiene
Concen: 9.976 ng
RT: 8.334 min Scan# 1044
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:225 Resp: 66829

Ion	Ratio	Lower	Upper
225	100		
223	63.9	49.7	74.5
227	62.6	51.0	76.4



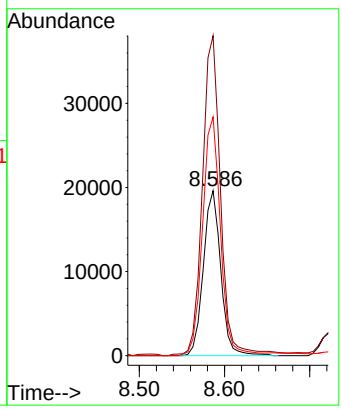


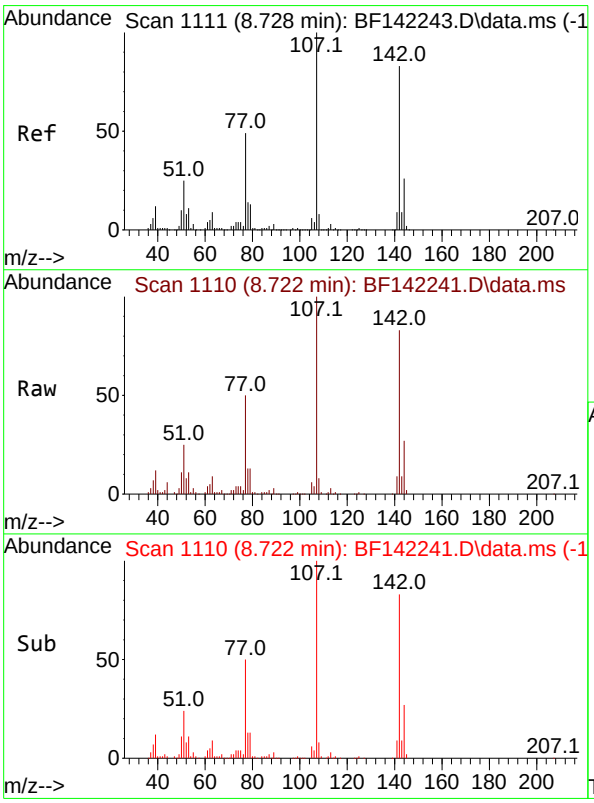
#35
Caprolactam
Concen: 8.989 ng
RT: 8.586 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 27800

Ion	Ratio	Lower	Upper
113	100		
55	194.0	177.7	217.7
56	144.7	127.1	167.1

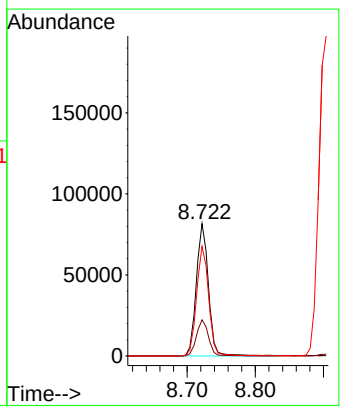


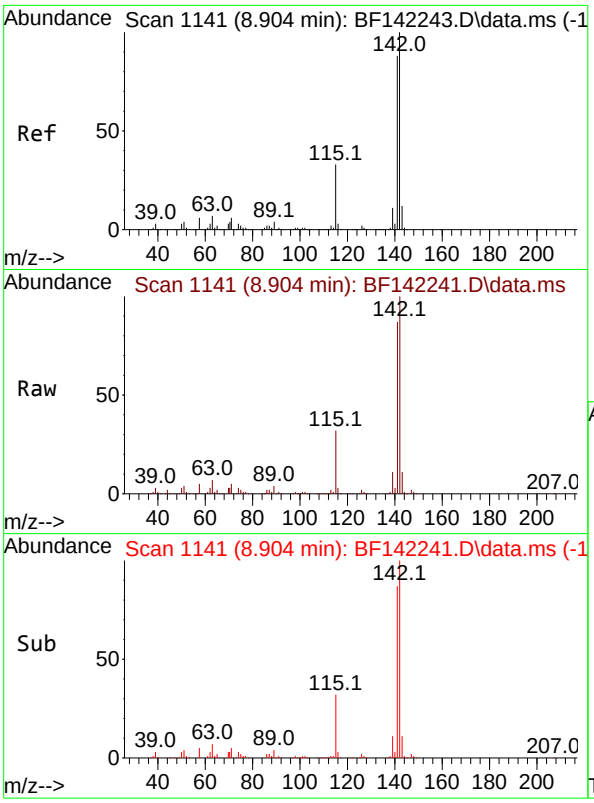


#36
4-Chloro-3-methylphenol
Concen: 9.576 ng
RT: 8.722 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:107 Resp: 101179

Ion	Ratio	Lower	Upper
107	100		
144	27.3	21.0	31.4
142	82.8	66.1	99.1



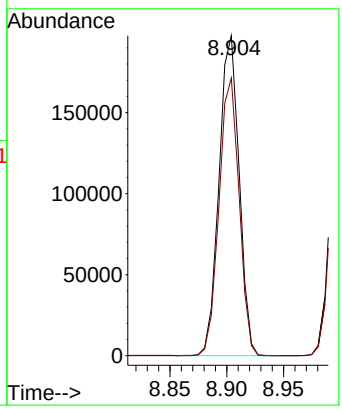


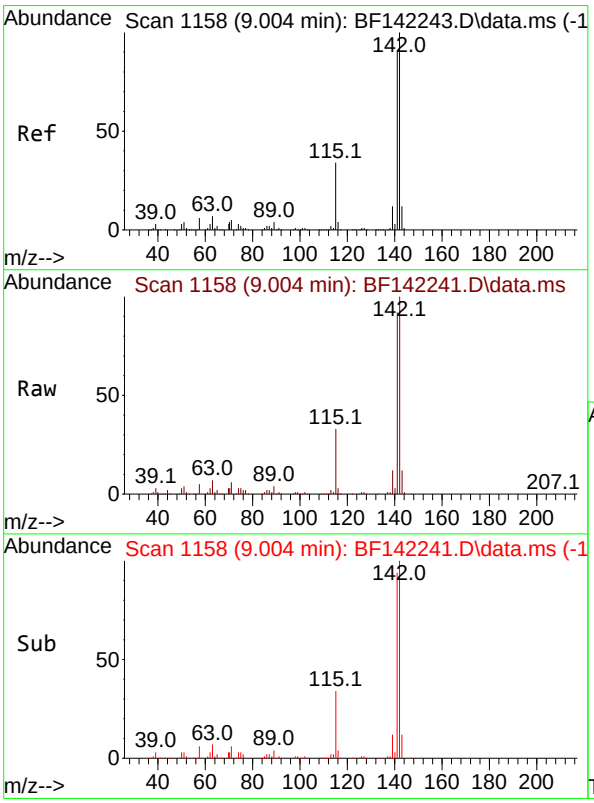
#37
2-Methylnaphthalene
Concen: 10.390 ng
RT: 8.904 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 243429

Ion	Ratio	Lower	Upper
142	100		
141	86.8	70.5	105.7

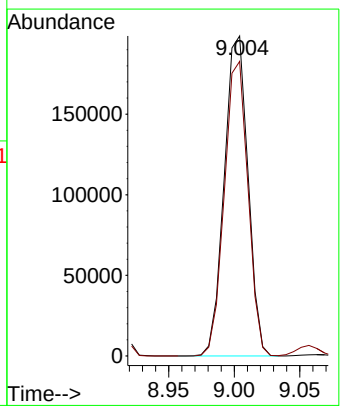


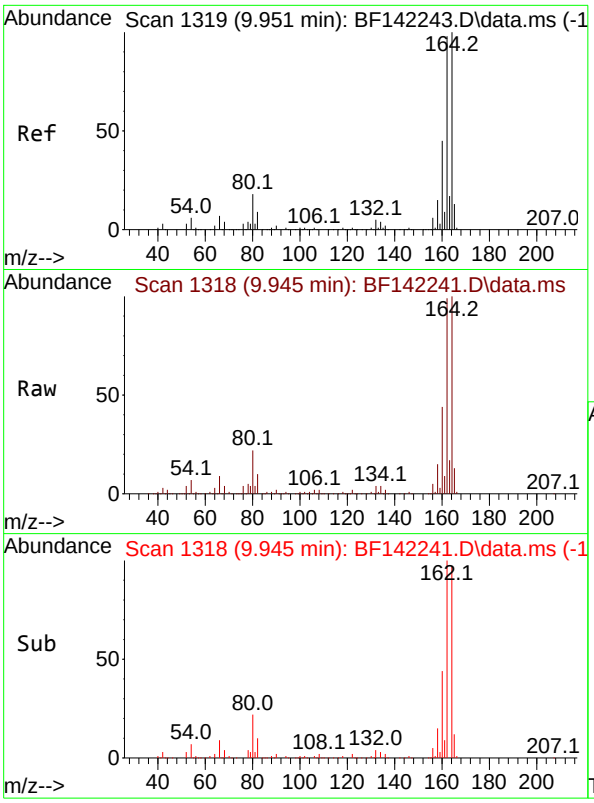


#38
1-Methylnaphthalene
Concen: 10.312 ng
RT: 9.004 min Scan# 1158
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:142 Resp: 250299

Ion	Ratio	Lower	Upper
142	100		
141	92.1	72.8	109.2



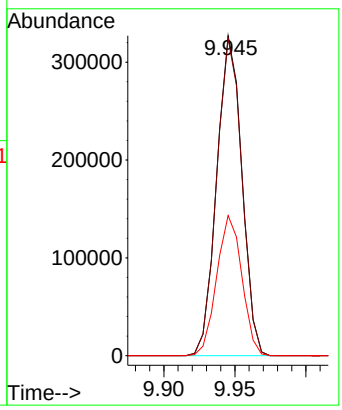


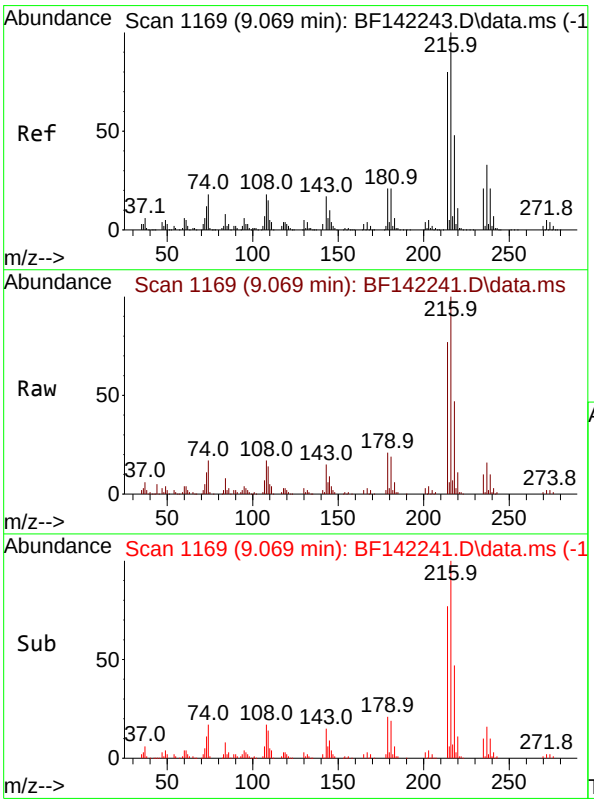
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 402628

Ion	Ratio	Lower	Upper
164	100		
162	99.1	78.6	117.8
160	43.8	35.7	53.5

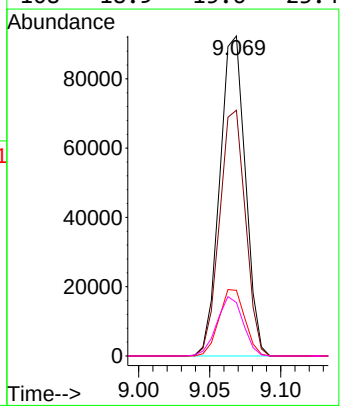


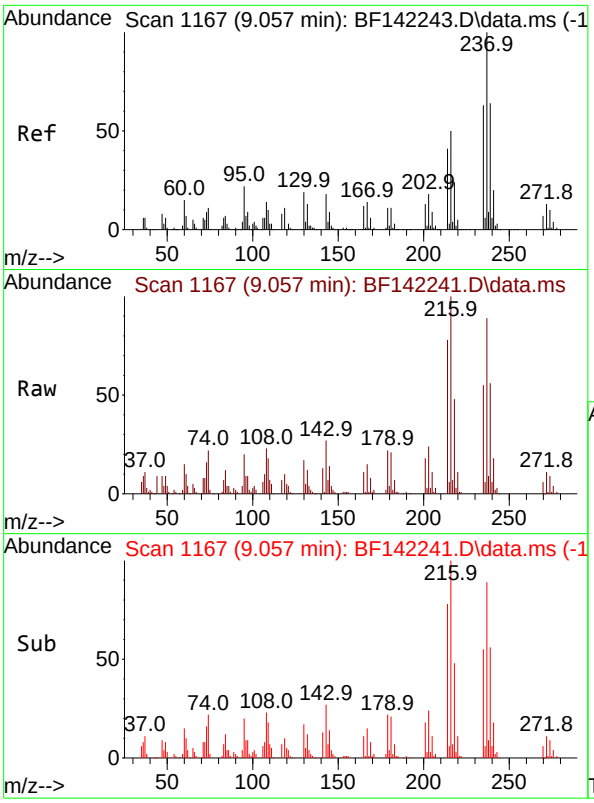


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.209 ng
RT: 9.069 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:216 Resp: 115685

Ion	Ratio	Lower	Upper
216	100		
214	77.5	63.8	95.6
179	21.0	16.7	25.1
108	18.9	15.6	23.4



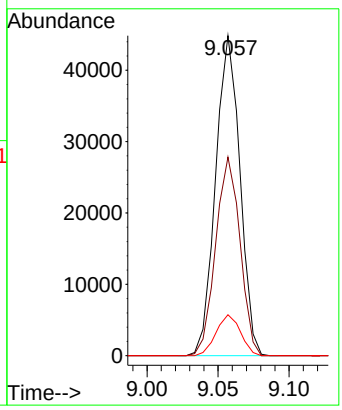


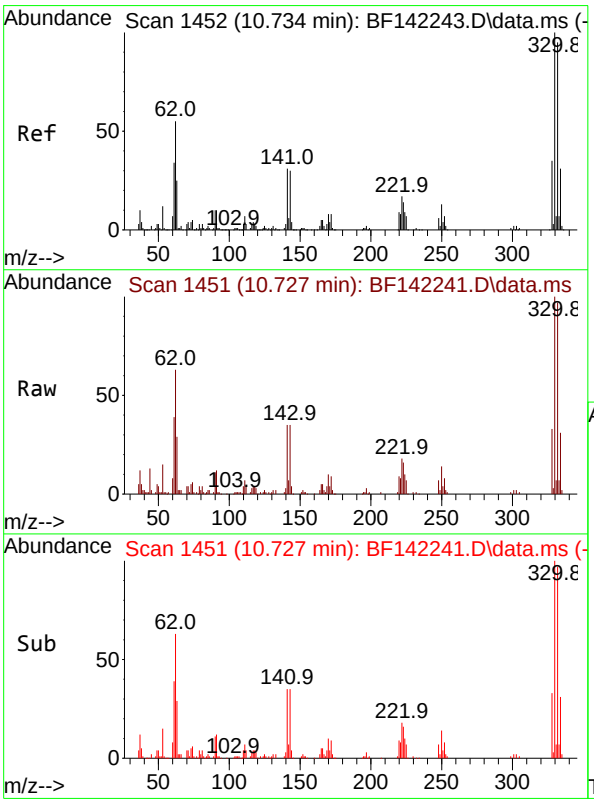
#41
Hexachlorocyclopentadiene
Concen: 8.298 ng
RT: 9.057 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 53365

Ion	Ratio	Lower	Upper
237	100		
235	62.1	43.5	83.5
272	12.8	0.0	32.9

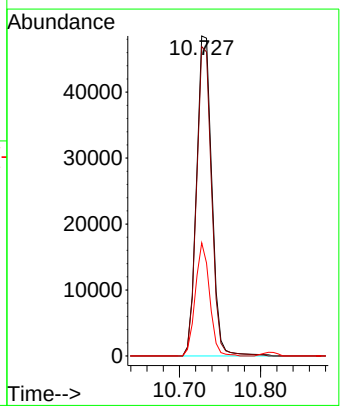


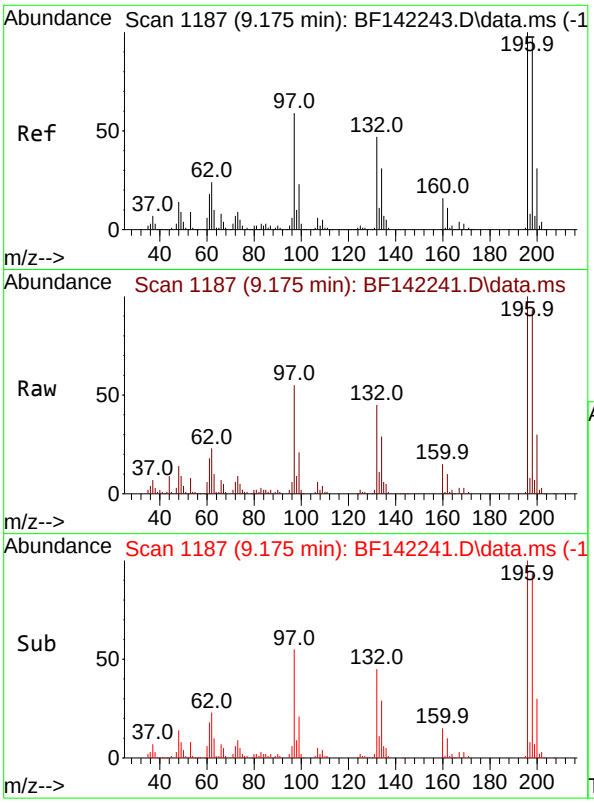


#42
2,4,6-Tribromophenol
Concen: 17.292 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:330 Resp: 63470

Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.5	114.7
141	32.9	24.3	36.5



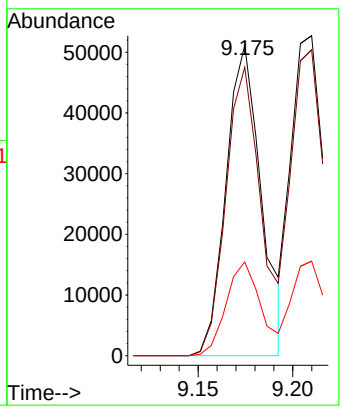


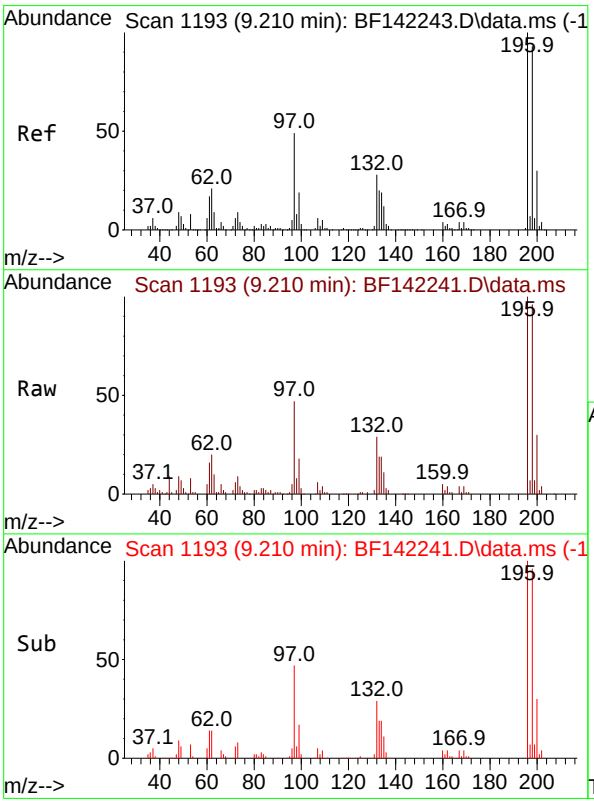
#43
2,4,6-Trichlorophenol
Concen: 9.438 ng
RT: 9.175 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 66271

Ion	Ratio	Lower	Upper
196	100		
198	92.9	77.4	116.2
200	30.2	24.6	37.0

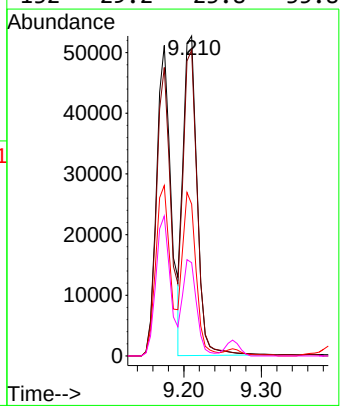


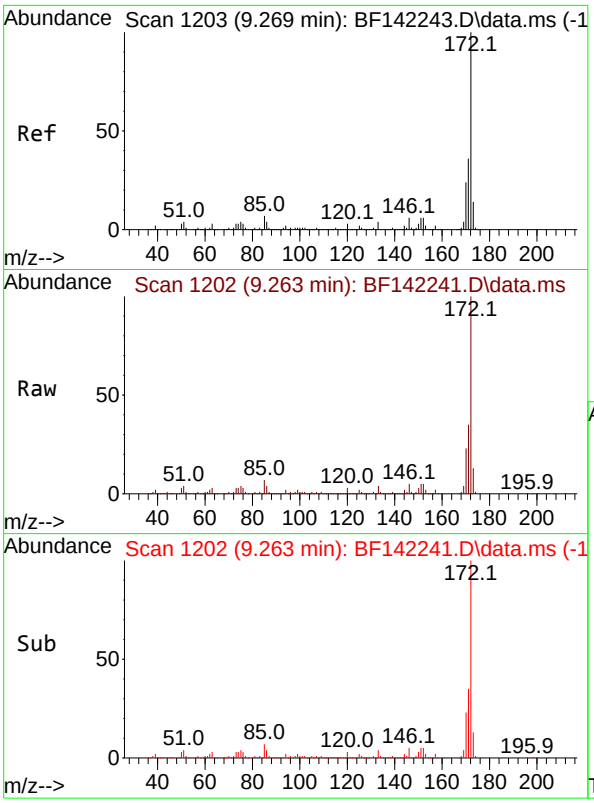


#44
2,4,5-Trichlorophenol
Concen: 9.009 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:196 Resp: 66509

Ion	Ratio	Lower	Upper
196	100		
198	95.6	75.2	112.8
97	47.5	39.8	59.8
132	29.2	23.8	35.8



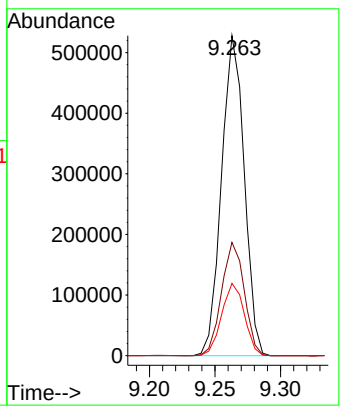


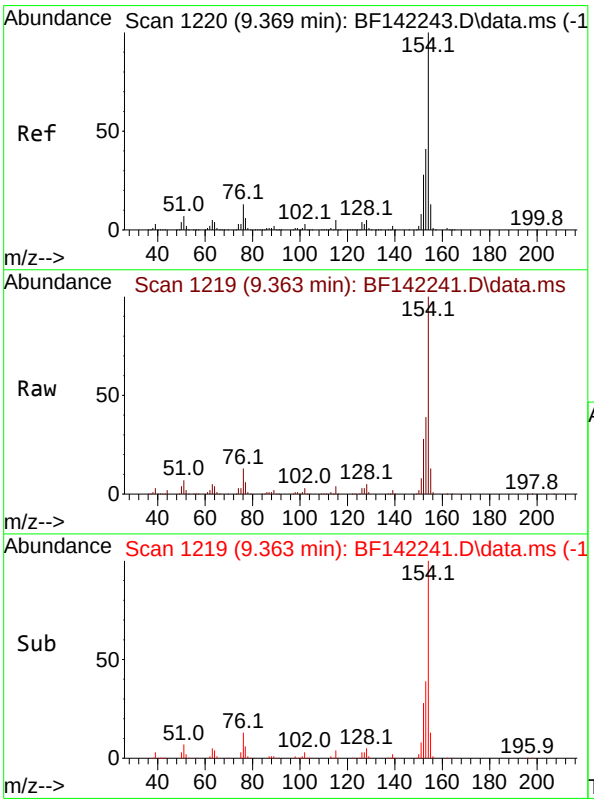
#45
2-Fluorobiphenyl
Concen: 22.275 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 636078

Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.0	43.4
170	22.6	19.4	29.0

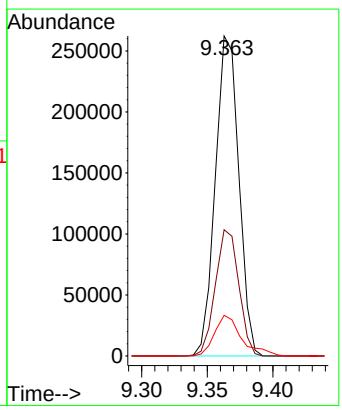


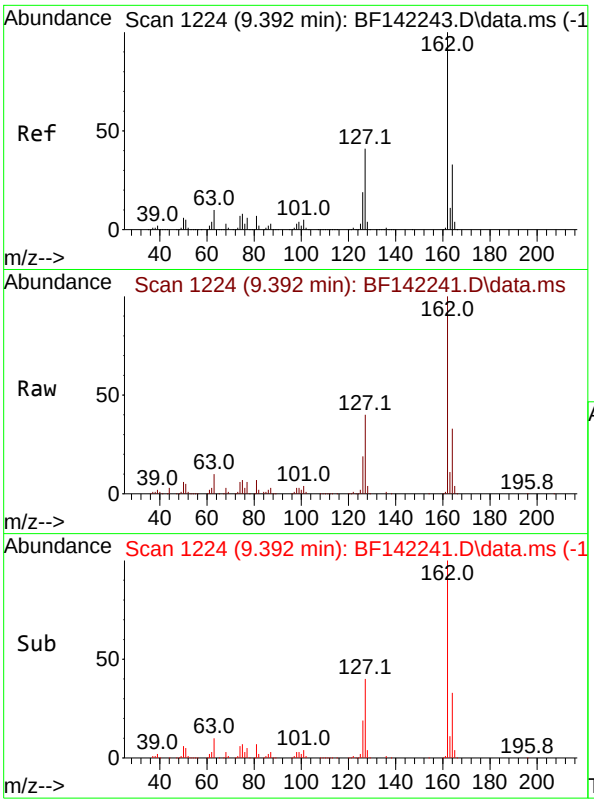


#46
1,1'-Biphenyl
Concen: 10.423 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:154 Resp: 326241

Ion	Ratio	Lower	Upper
154	100		
153	39.5	20.5	60.5
76	12.7	0.0	32.8



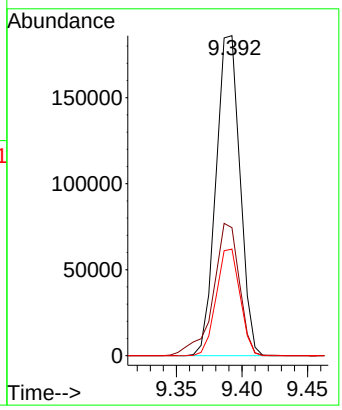


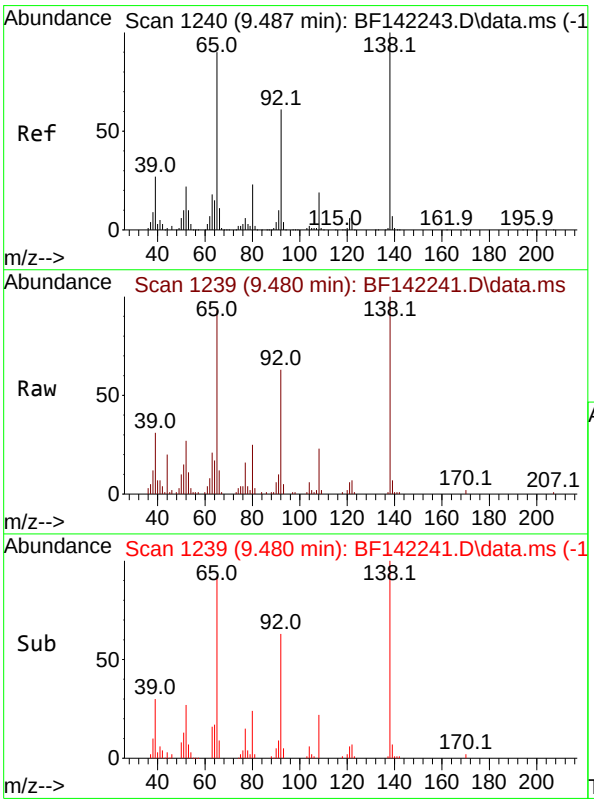
#47
2-Chloronaphthalene
Concen: 10.165 ng
RT: 9.392 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 236725

Ion	Ratio	Lower	Upper
162	100		
127	40.0	32.6	49.0
164	33.3	26.1	39.1

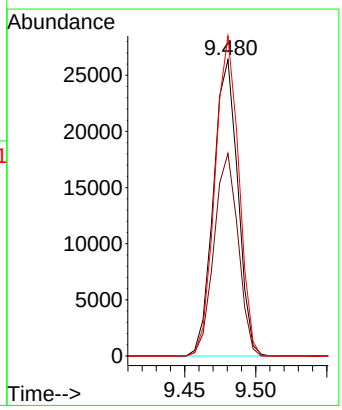


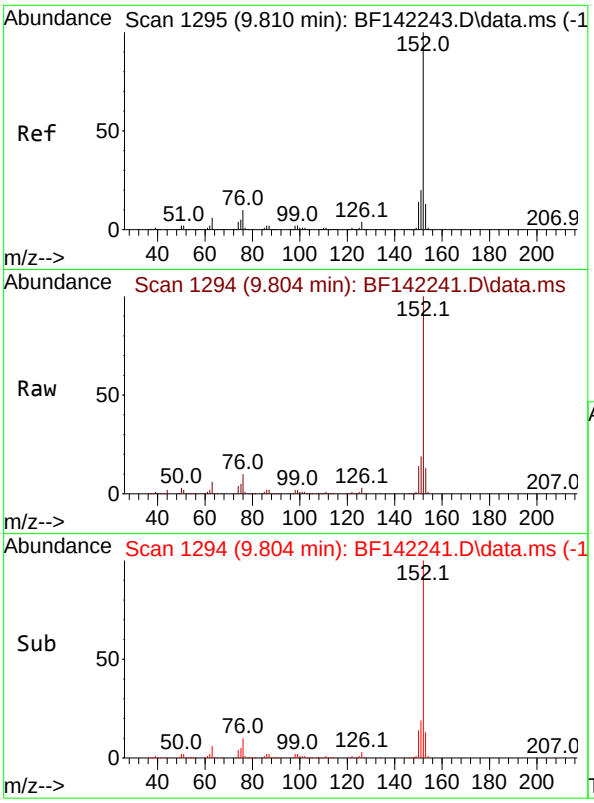


#48
2-Nitroaniline
Concen: 9.382 ng
RT: 9.480 min Scan# 1239
Delta R.T. -0.007 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion: 65 Resp: 31455

Ion	Ratio	Lower	Upper
65	100		
92	68.4	54.3	81.5
138	108.0	88.6	133.0



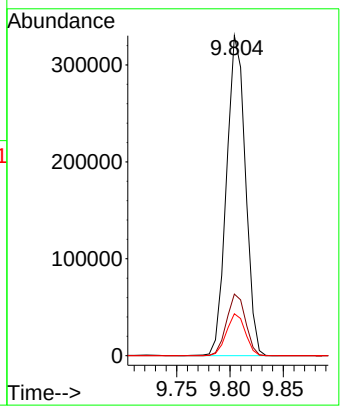


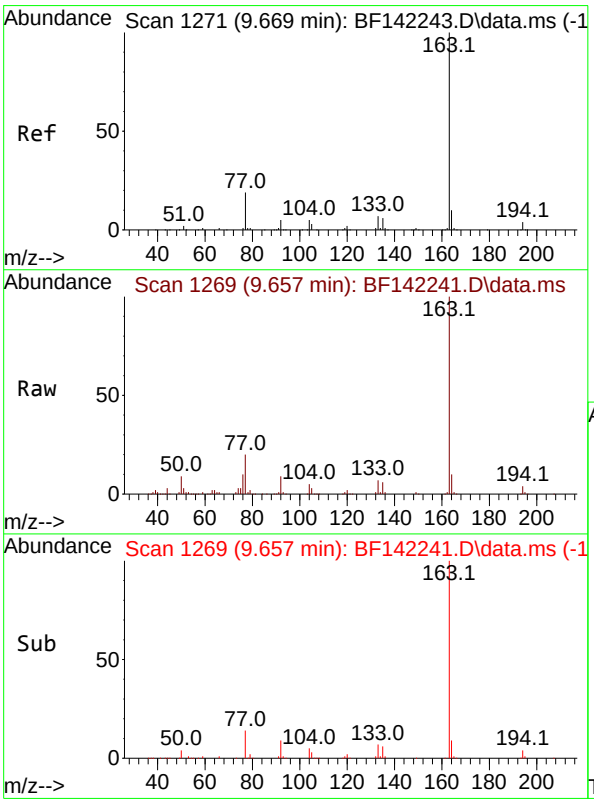
#49
Acenaphthylene
Concen: 10.373 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 407630

Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.2	24.2
153	13.1	10.7	16.1

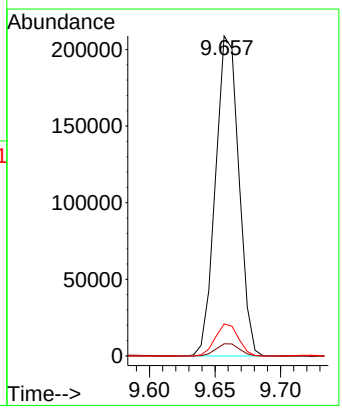


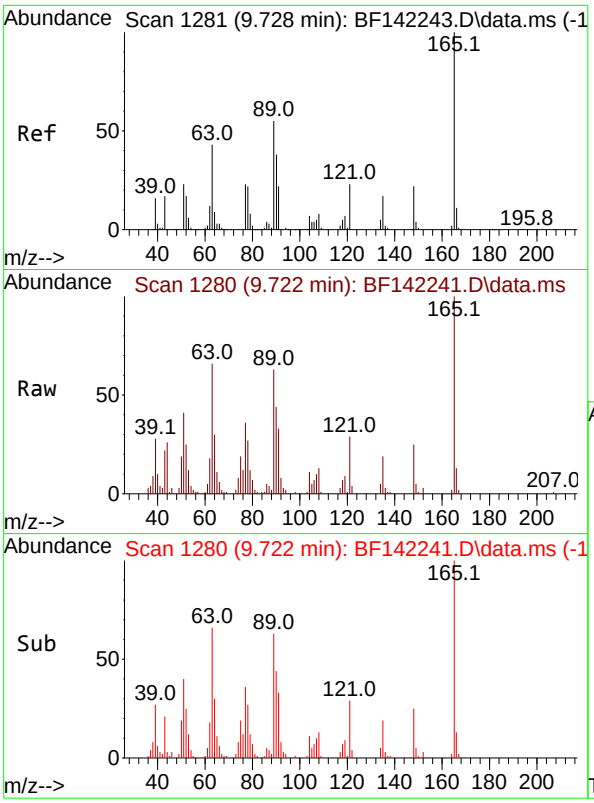


#50
Dimethylphthalate
Concen: 10.036 ng
RT: 9.657 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:163 Resp: 258512

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.2	4.8
164	10.0	8.2	12.2



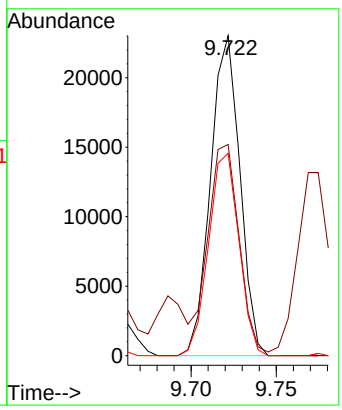


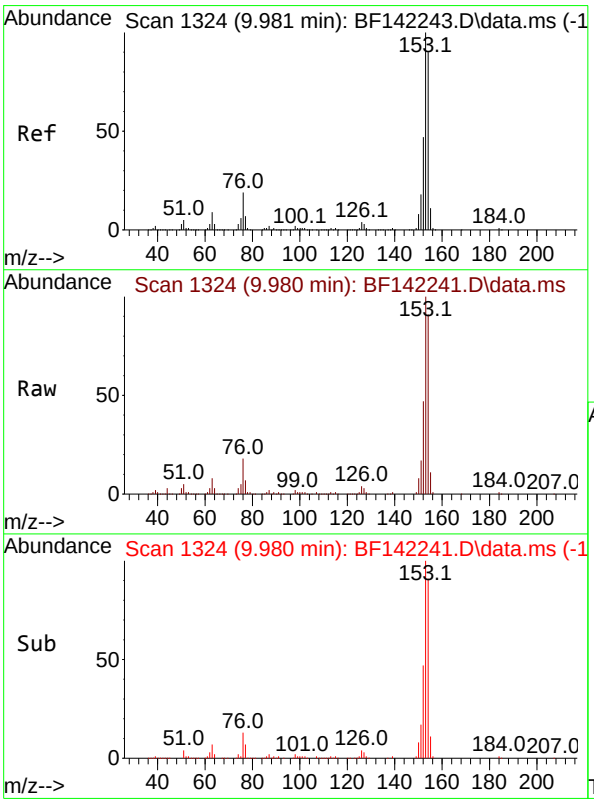
#51
2,6-Dinitrotoluene
Concen: 9.147 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 27624

Ion	Ratio	Lower	Upper
165	100		
63	66.0	48.5	72.7
89	63.2	43.9	65.9

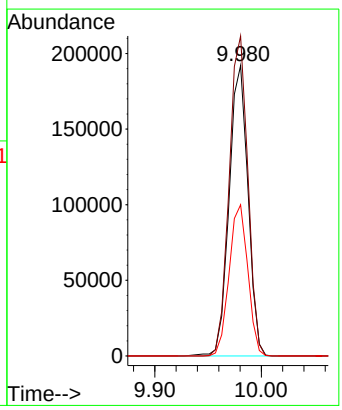


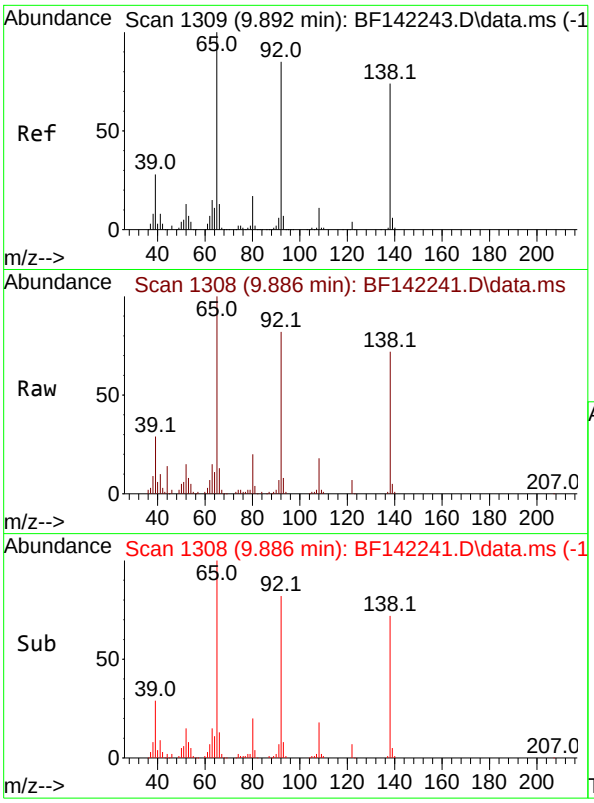


#52
Acenaphthene
Concen: 10.305 ng
RT: 9.980 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:154 Resp: 236444

Ion	Ratio	Lower	Upper
154	100		
153	110.2	88.6	133.0
152	52.1	42.1	63.1



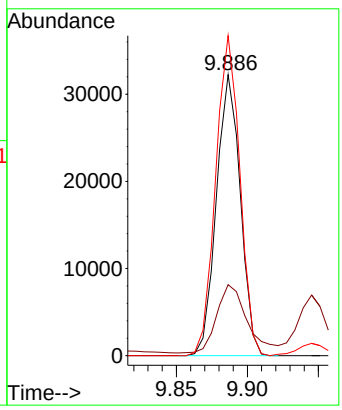


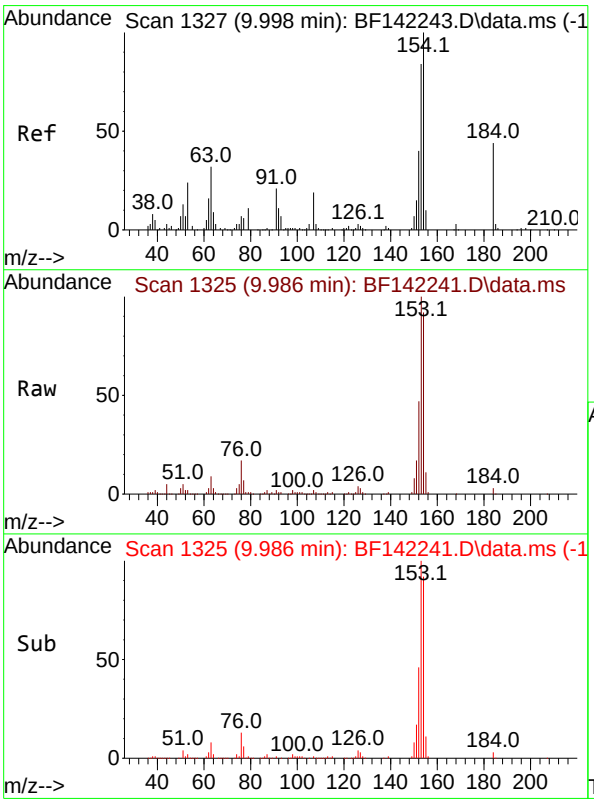
#53
3-Nitroaniline
Concen: 9.049 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 37727

Ion	Ratio	Lower	Upper
138	100		
108	25.3	11.7	17.5#
92	113.9	91.2	136.8

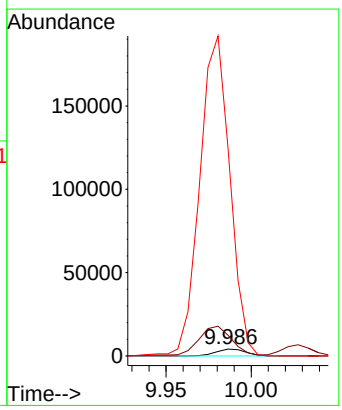


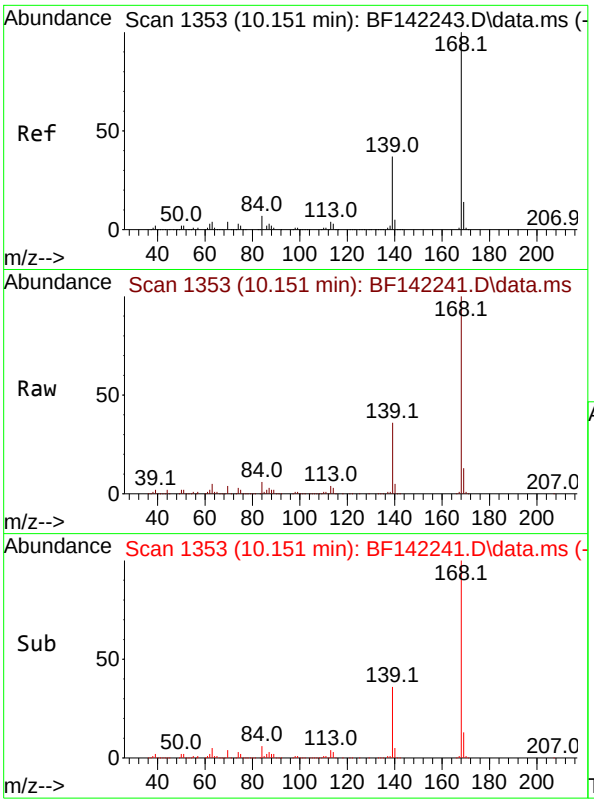


#54
2,4-Dinitrophenol
Concen: 11.362 ng
RT: 9.986 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:184 Resp: 4993

Ion	Ratio	Lower	Upper
184	100		
63	302.8	69.2	103.8#
154	3030.9	271.4	407.2#



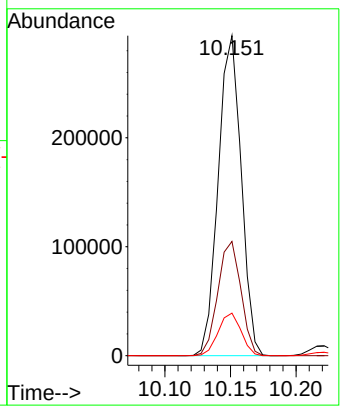


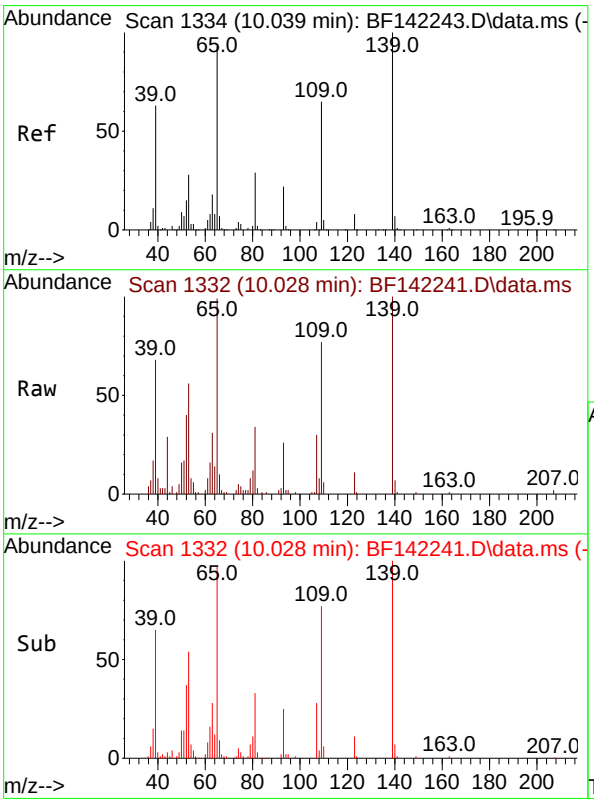
#55
Dibenzofuran
Concen: 10.392 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 357431

Ion	Ratio	Lower	Upper
168	100		
139	35.7	29.4	44.0
169	13.3	11.0	16.4

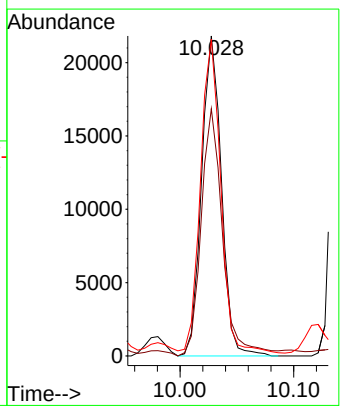


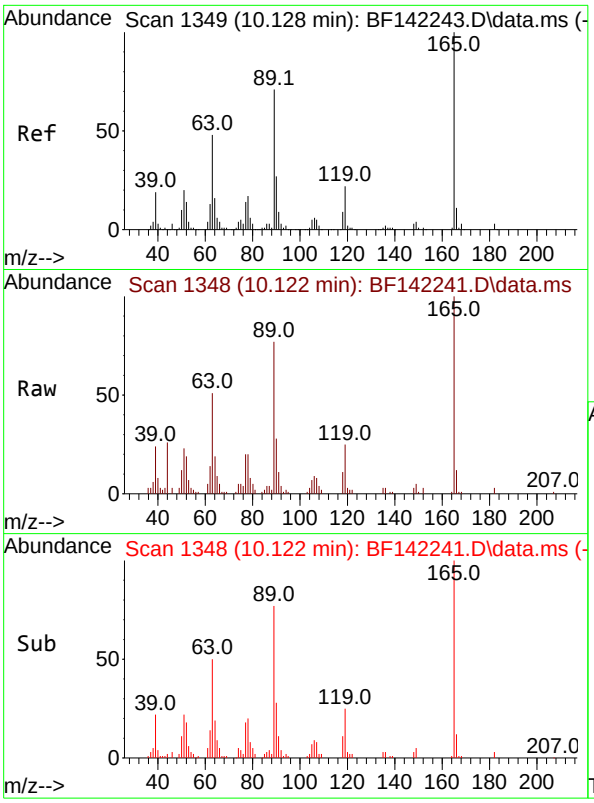


#56
4-Nitrophenol
Concen: 6.520 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.011 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:139 Resp: 26399

Ion	Ratio	Lower	Upper
139	100		
109	77.2	44.9	84.9
65	99.0	74.7	114.7



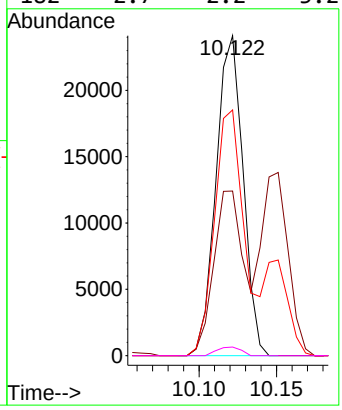


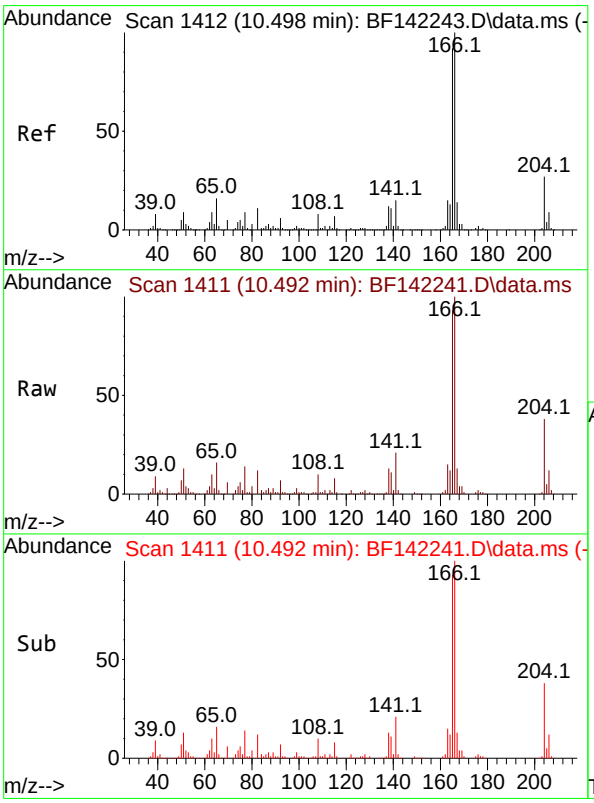
#57
2,4-Dinitrotoluene
Concen: 9.405 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 29245

Ion	Ratio	Lower	Upper
165	100		
63	51.5	38.8	58.2
89	76.8	57.1	85.7
182	2.7	2.2	3.2

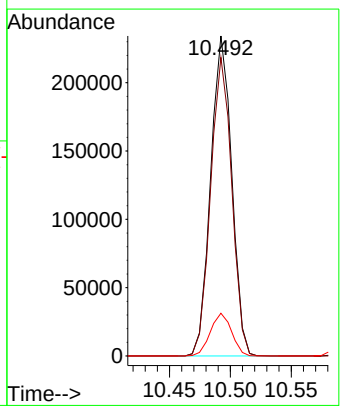


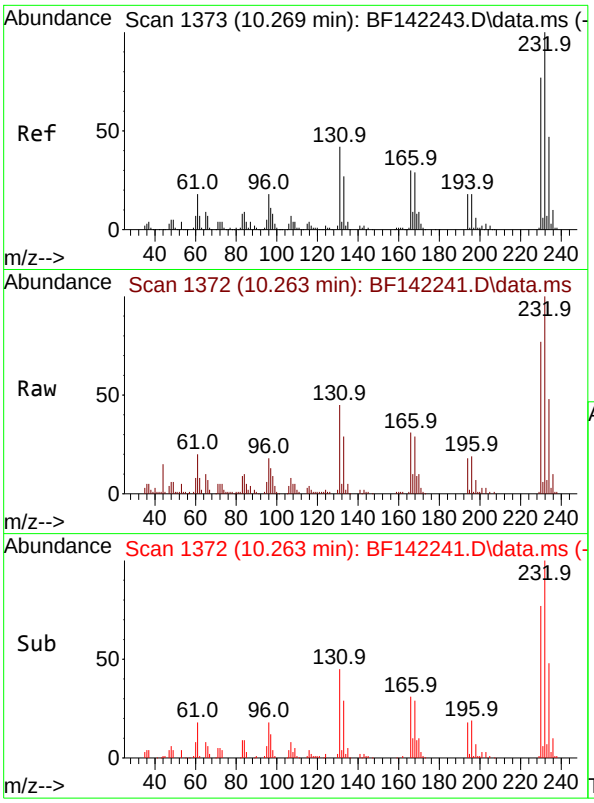


#58
Fluorene
Concen: 10.800 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:166 Resp: 282449

Ion	Ratio	Lower	Upper
166	100		
165	93.3	73.9	110.9
167	13.4	10.8	16.2



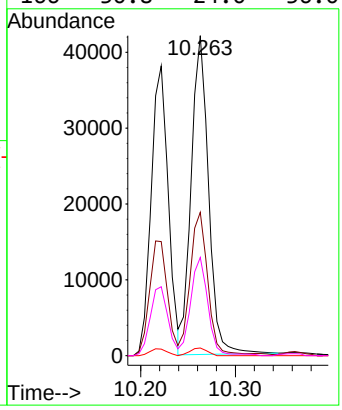


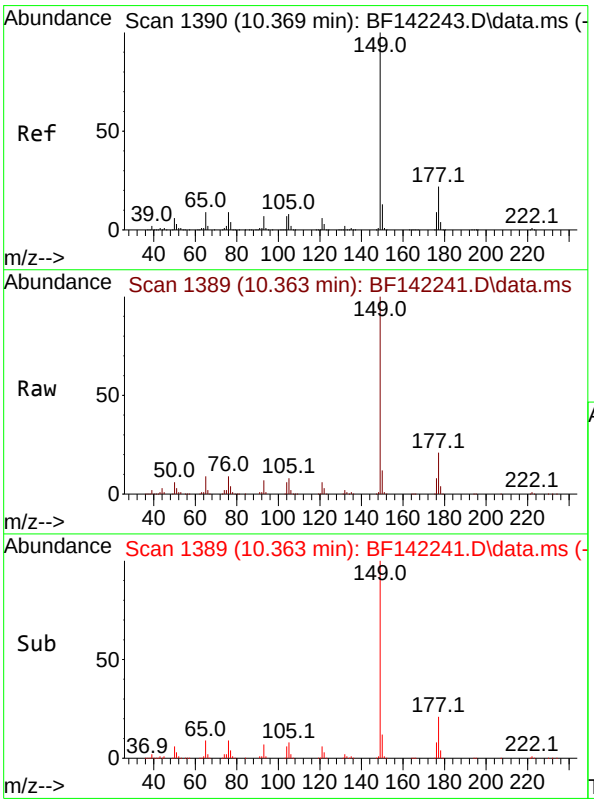
#59
2,3,4,6-Tetrachlorophenol
Concen: 8.775 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 53660

Ion	Ratio	Lower	Upper
232	100		
131	44.3	35.9	53.9
130	2.4	1.8	2.6
166	30.8	24.0	36.0

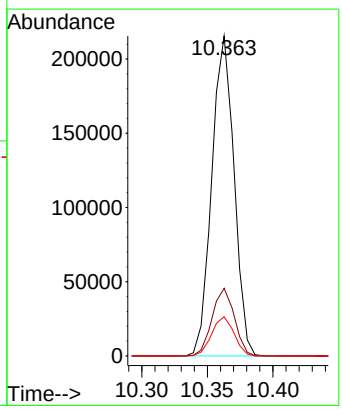


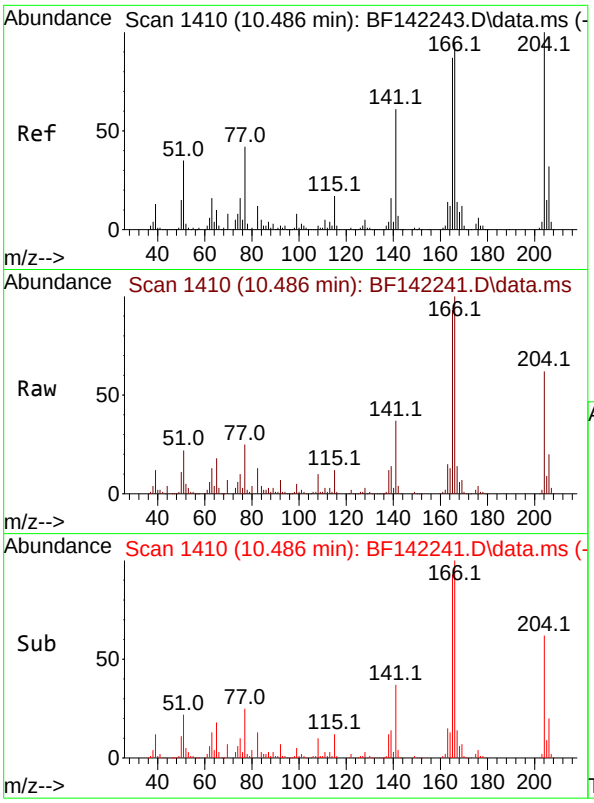


#60
Diethylphthalate
Concen: 10.003 ng
RT: 10.363 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:149 Resp: 254431

Ion	Ratio	Lower	Upper
149	100		
177	21.2	17.6	26.4
150	12.3	10.2	15.2



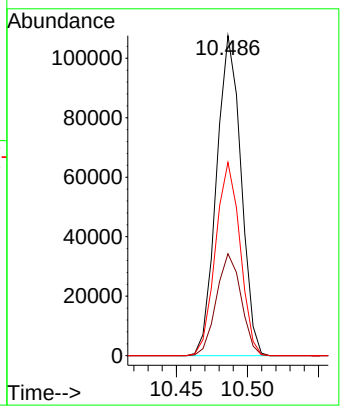


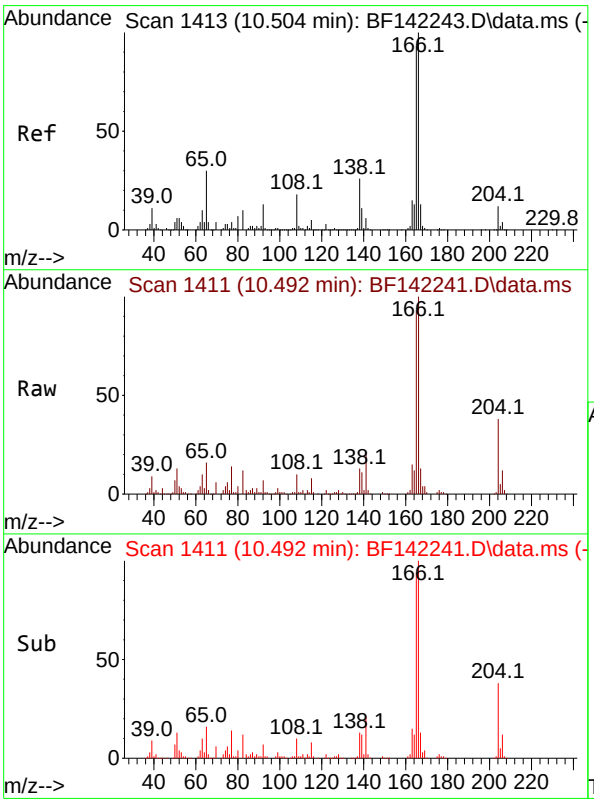
#61
4-Chlorophenyl-phenylether
Concen: 10.398 ng
RT: 10.486 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 129149

Ion	Ratio	Lower	Upper
204	100		
206	31.9	25.6	38.4
141	60.4	48.9	73.3

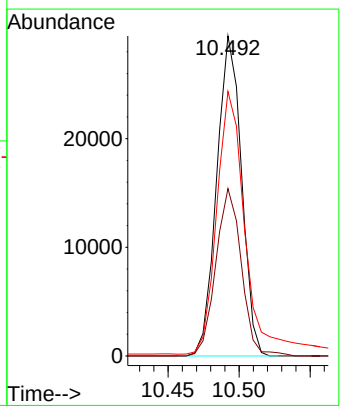


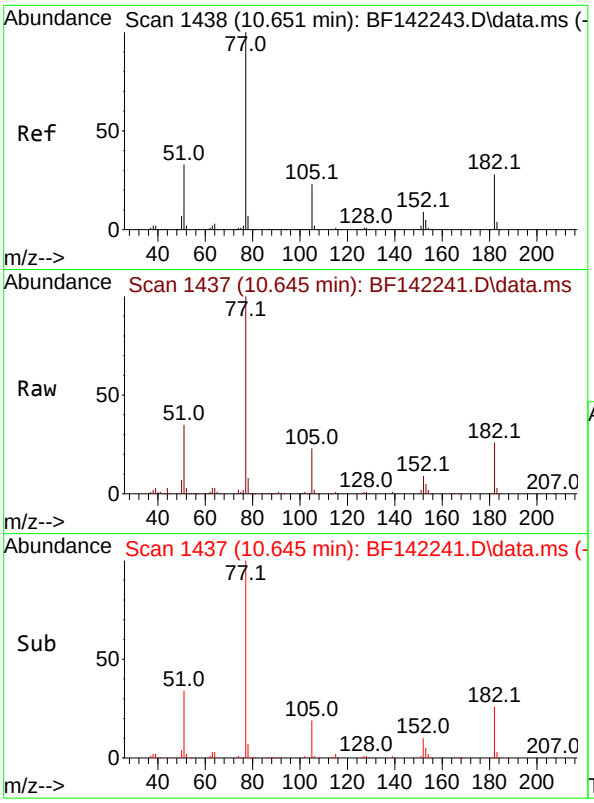


#62
4-Nitroaniline
Concen: 8.911 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:138 Resp: 35703

Ion	Ratio	Lower	Upper
138	100		
92	52.3	29.2	69.2
108	82.7	49.1	89.1



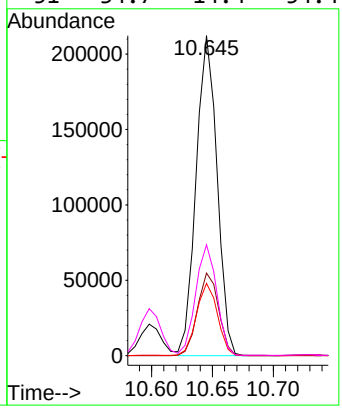


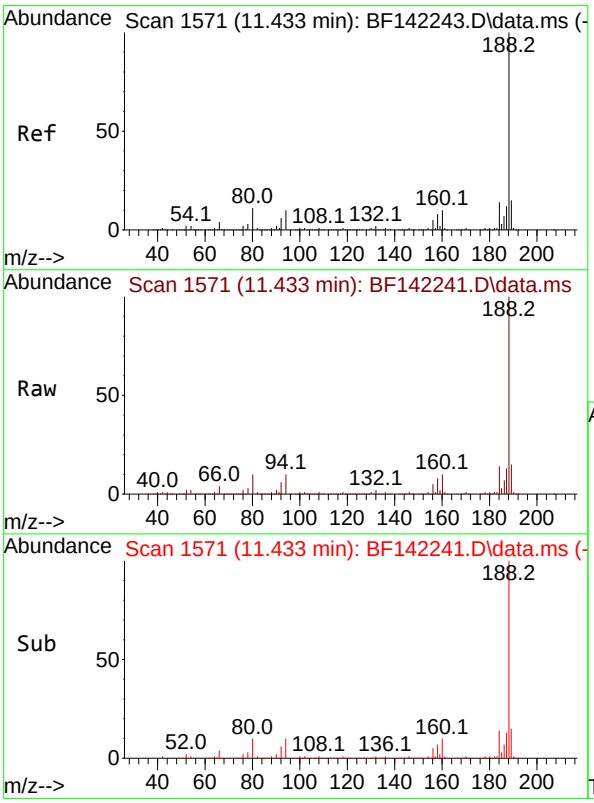
#63
Azobenzene
Concen: 10.102 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 253731

Ion	Ratio	Lower	Upper
77	100		
182	25.8	7.3	47.3
105	22.6	2.5	42.5
51	34.7	14.4	54.4

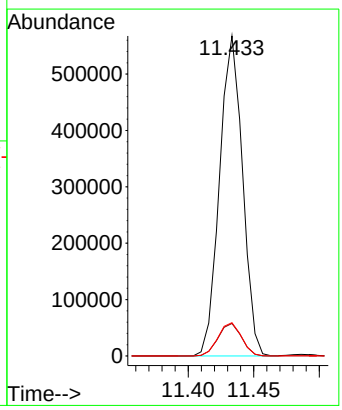


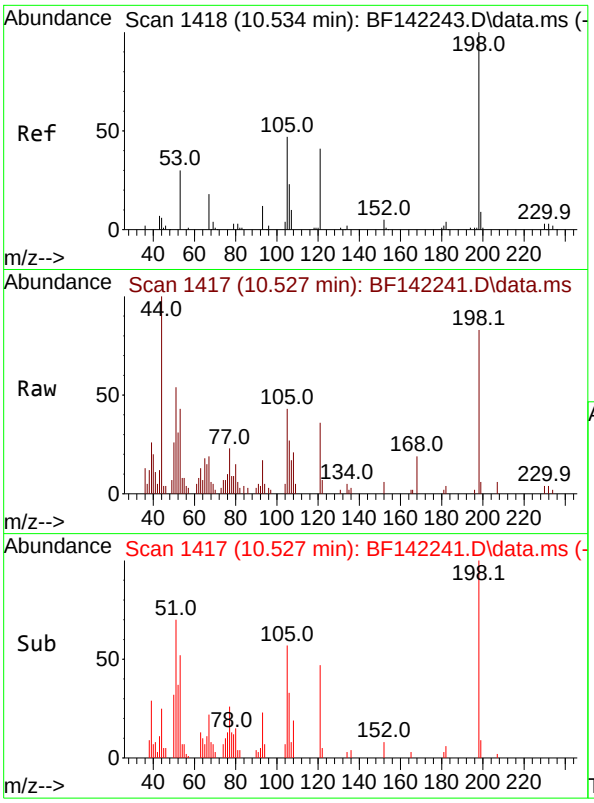


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:188 Resp: 692116

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.2	12.2
80	10.4	8.6	12.8



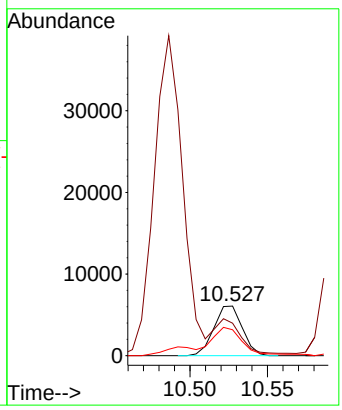


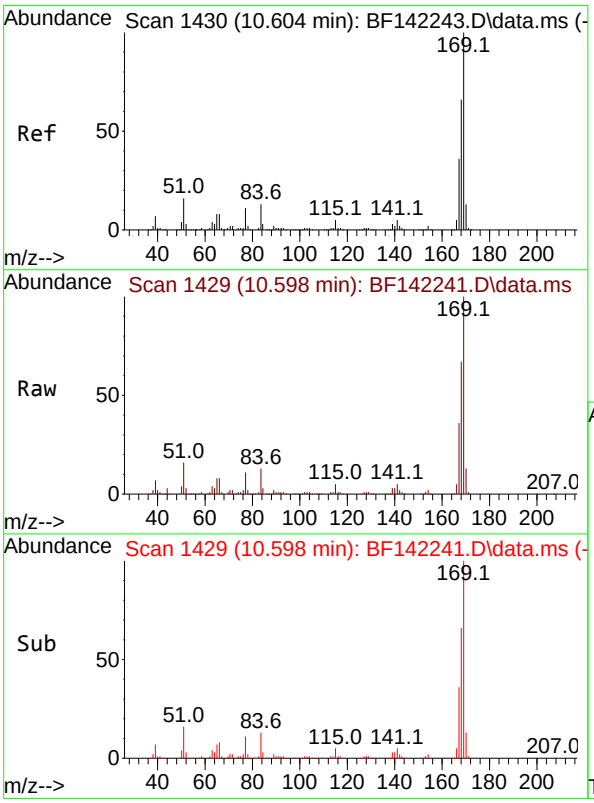
#65
4,6-Dinitro-2-methylphenol
Concen: 13.263 ng
RT: 10.527 min Scan# 14
Delta R.T. -0.007 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 7762

Ion	Ratio	Lower	Upper
198	100		
51	65.4	40.6	80.6
105	52.1	29.2	69.2

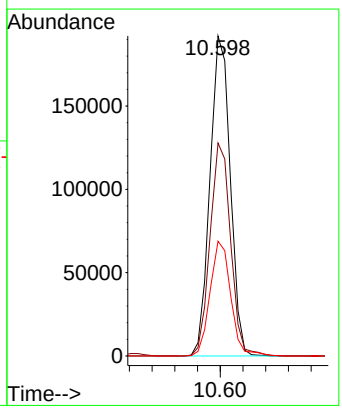


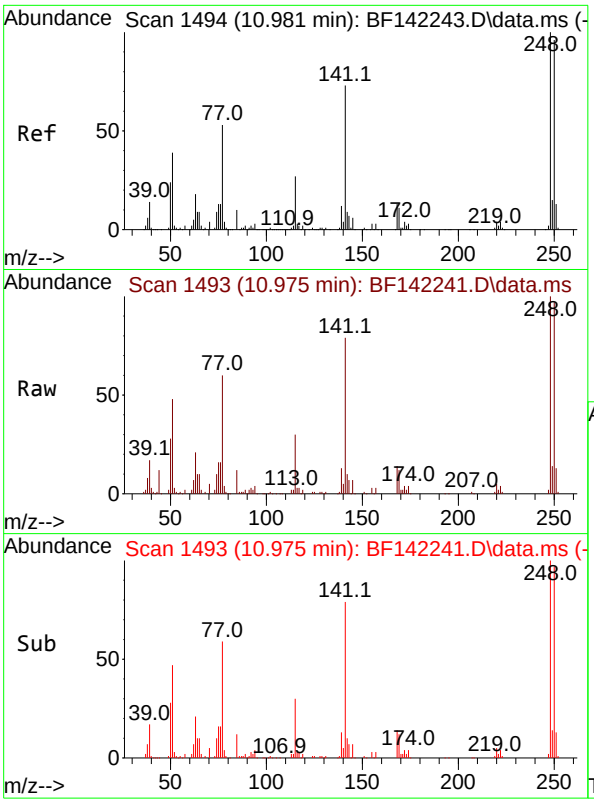


#66
n-Nitrosodiphenylamine
Concen: 10.042 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:169 Resp: 237471

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.0	79.6
167	35.9	28.8	43.2



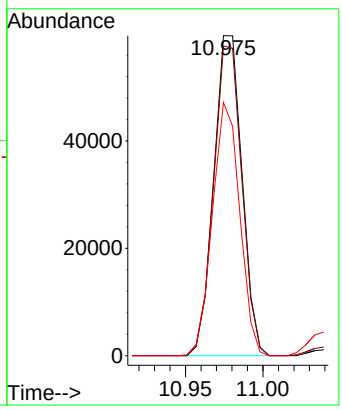


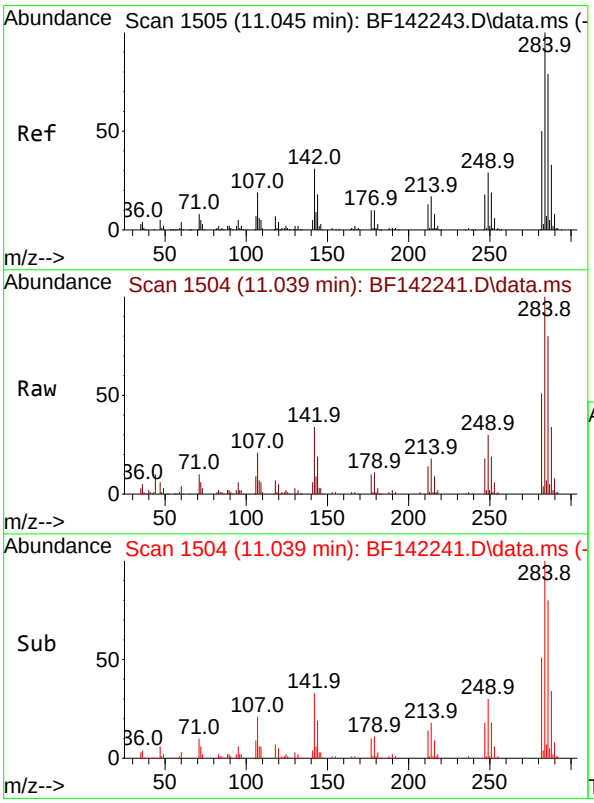
#67
4-Bromophenyl-phenylether
Concen: 9.820 ng
RT: 10.975 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 75692

Ion	Ratio	Lower	Upper
248	100		
250	96.8	77.2	115.8
141	79.1	58.4	87.6

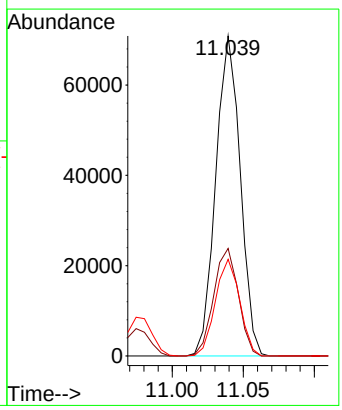


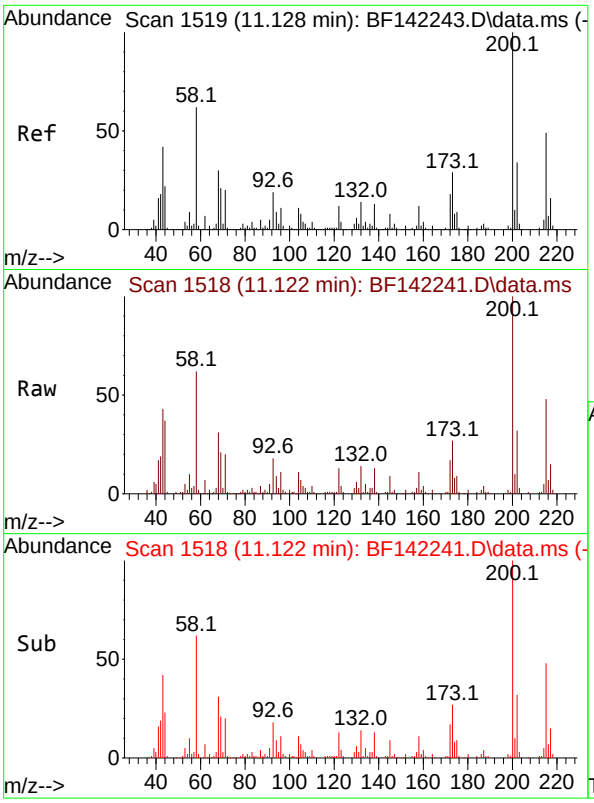


#68
Hexachlorobenzene
Concen: 9.832 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:284 Resp: 84881

Ion	Ratio	Lower	Upper
284	100		
142	33.6	24.6	37.0
249	30.2	23.2	34.8



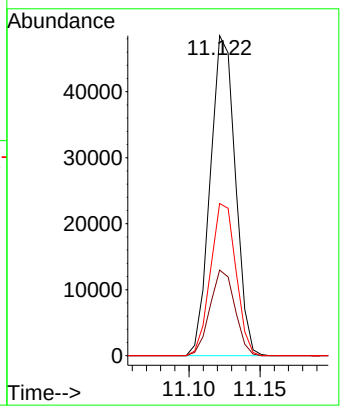


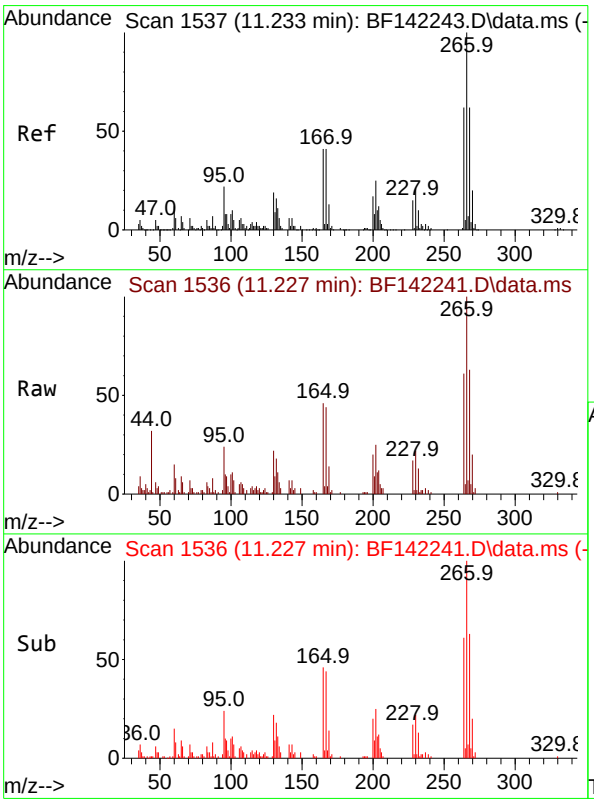
#69
Atrazine
Concen: 9.554 ng
RT: 11.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 59553

Ion	Ratio	Lower	Upper
200	100		
173	26.8	8.6	48.6
215	47.6	28.5	68.5

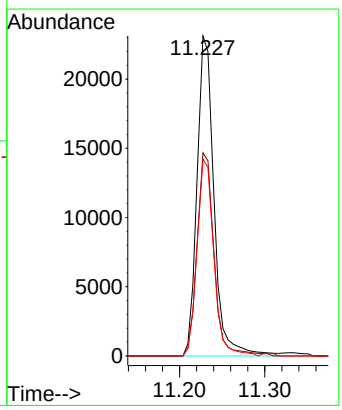


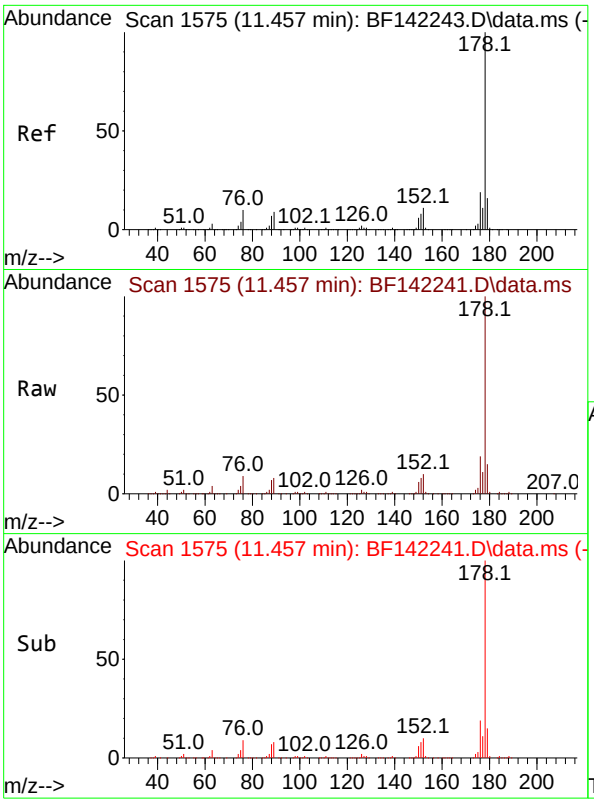


#70
Pentachlorophenol
Concen: 7.029 ng
RT: 11.227 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:266 Resp: 32058

Ion	Ratio	Lower	Upper
266	100		
268	63.5	50.0	75.0
264	61.4	49.3	73.9



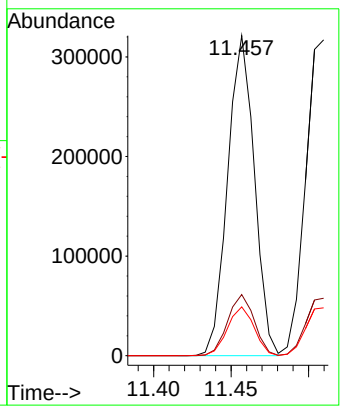


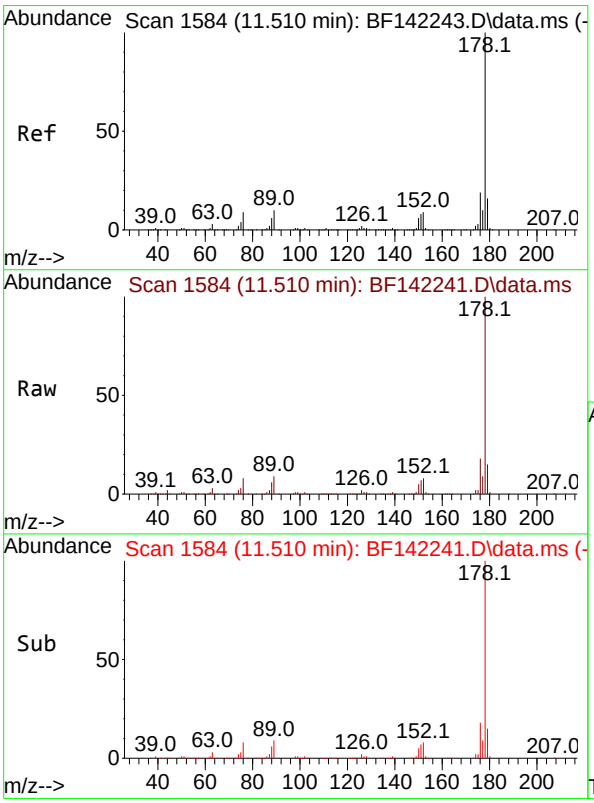
#71
Phenanthrene
Concen: 10.316 ng
RT: 11.457 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 385677

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.5	23.3
179	15.2	12.6	19.0

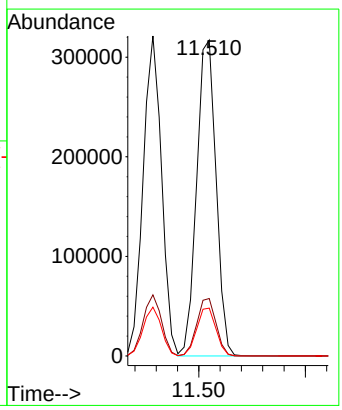


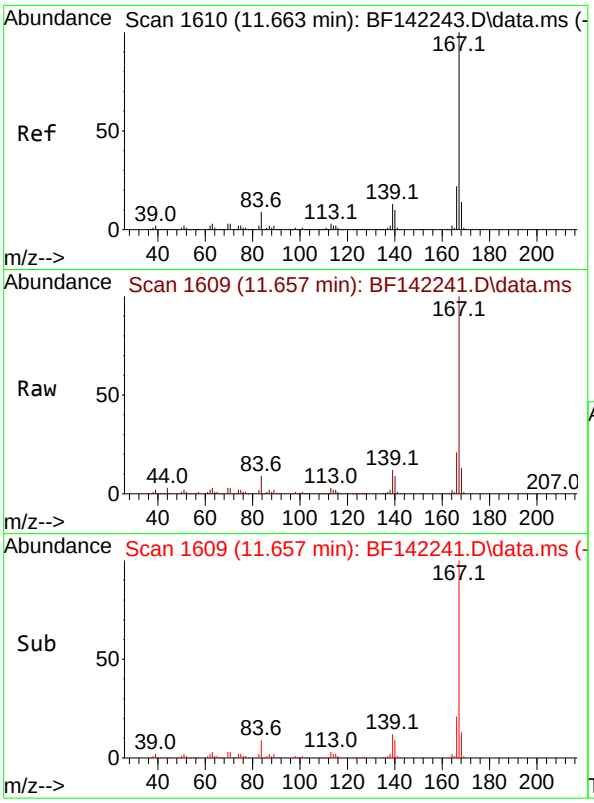


#72
Anthracene
Concen: 10.509 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:178 Resp: 401700

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.3	22.9
179	15.1	12.7	19.1



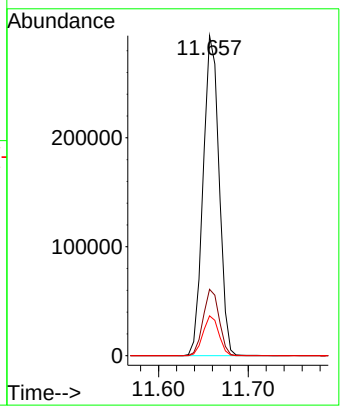


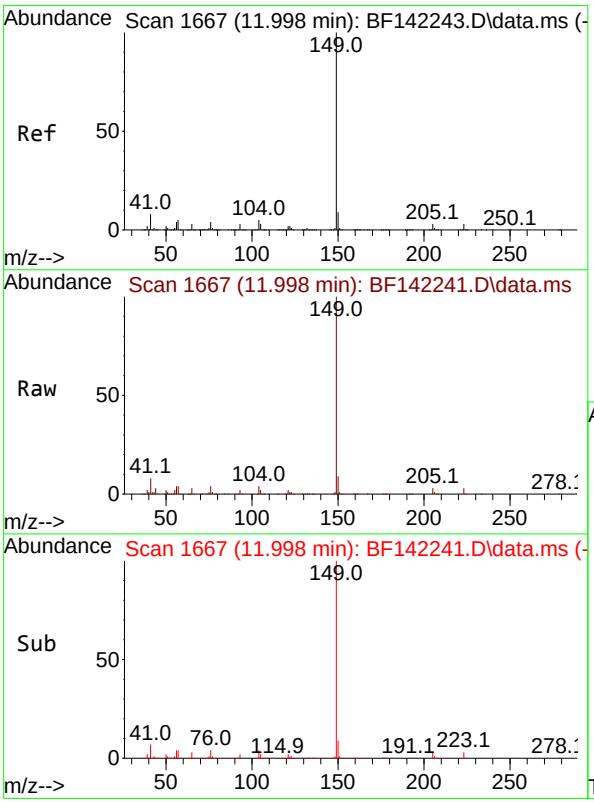
#73
Carbazole
Concen: 10.389 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 362249

Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.3	25.9
139	12.5	10.3	15.5

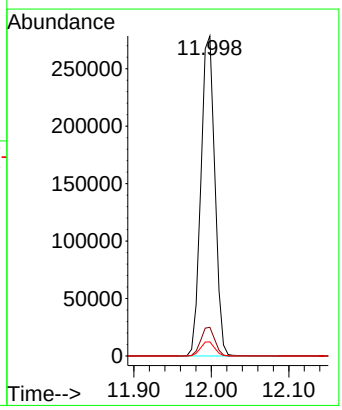


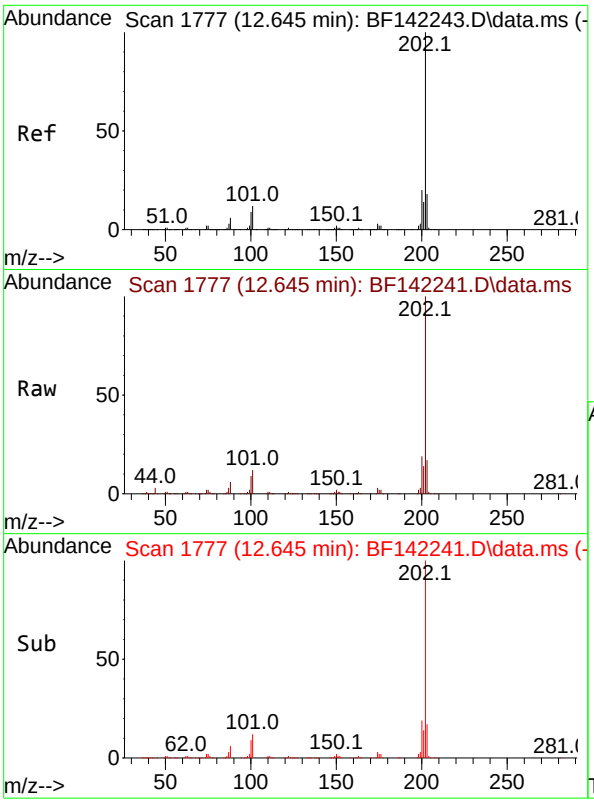


#74
Di-n-butylphthalate
Concen: 9.927 ng
RT: 11.998 min Scan# 1667
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:149 Resp: 348111

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.5	11.3
104	4.4	3.6	5.4



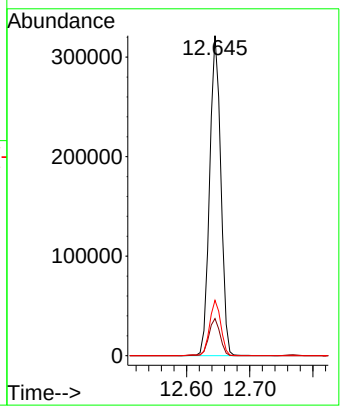


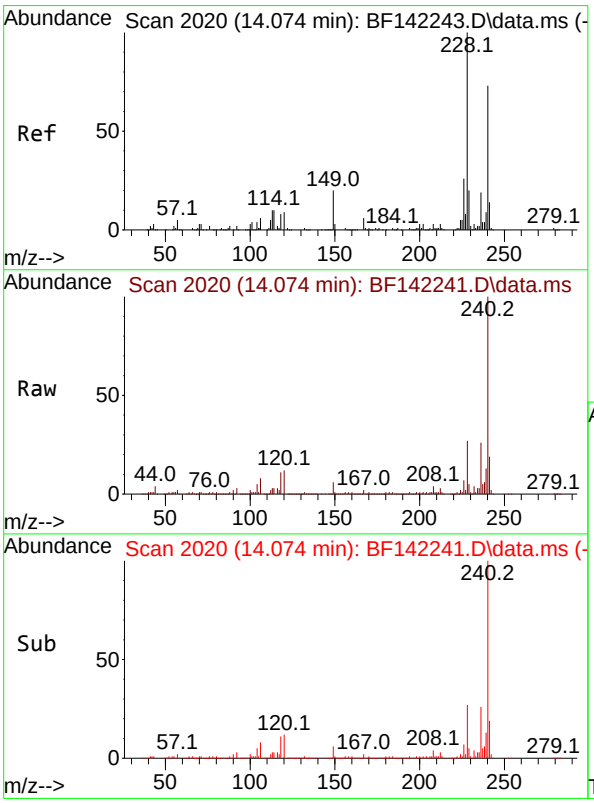
#75
Fluoranthene
Concen: 10.709 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 395757

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	32.4
203	17.3	0.0	37.5

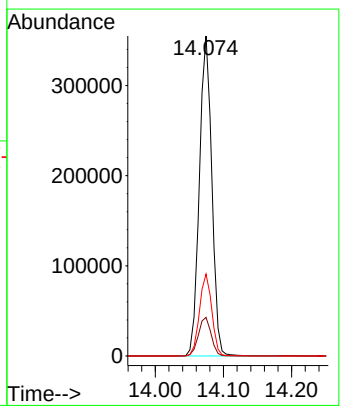


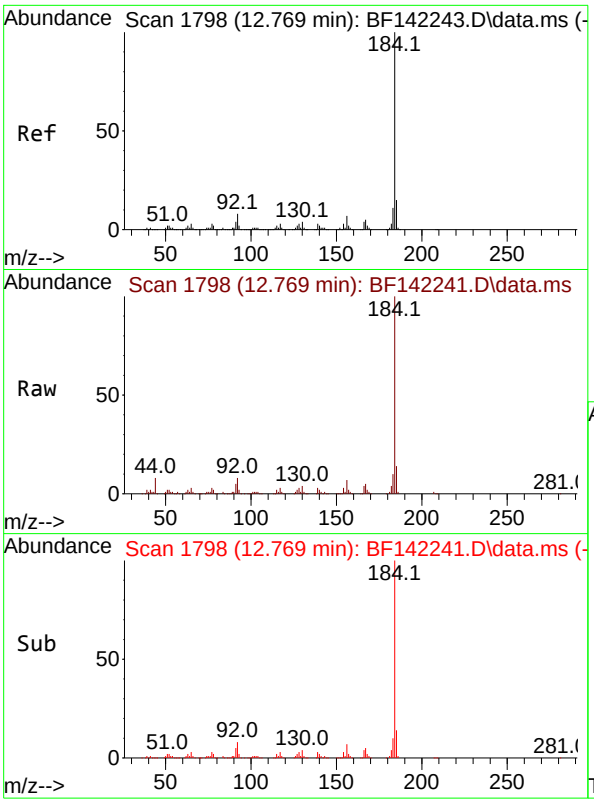


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:240 Resp: 449534

Ion	Ratio	Lower	Upper
240	100		
120	12.0	10.1	15.1
236	25.6	20.5	30.7



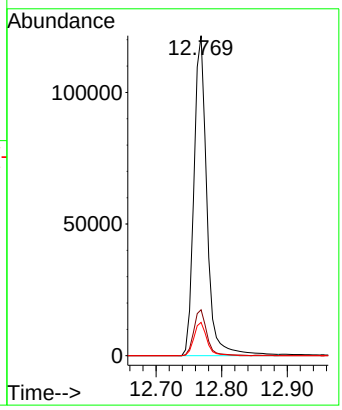


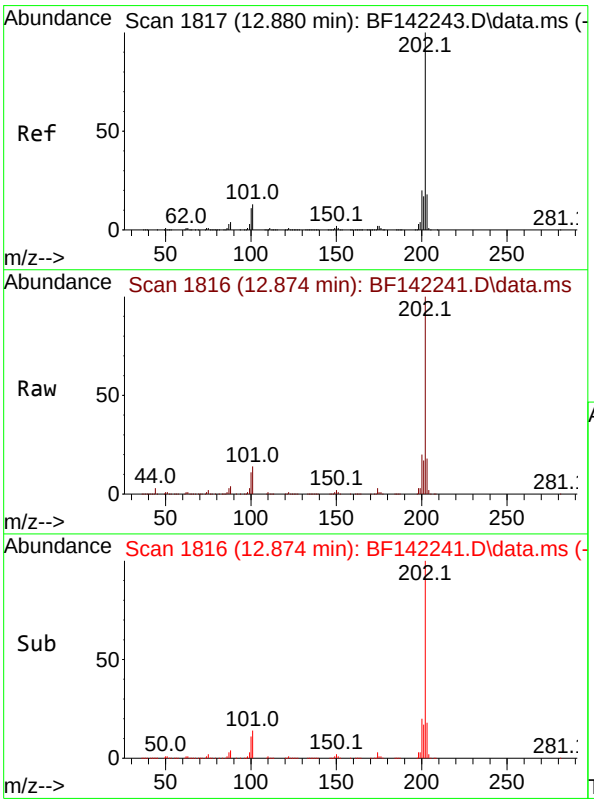
#77
Benzidine
Concen: 8.797 ng
RT: 12.769 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 168038

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.8	17.6
183	10.4	8.9	13.3

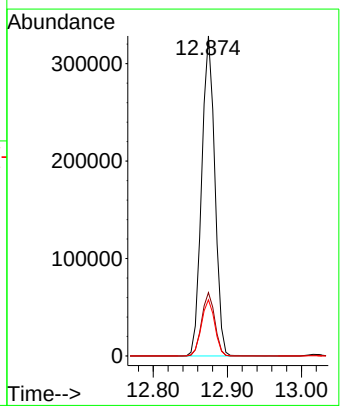


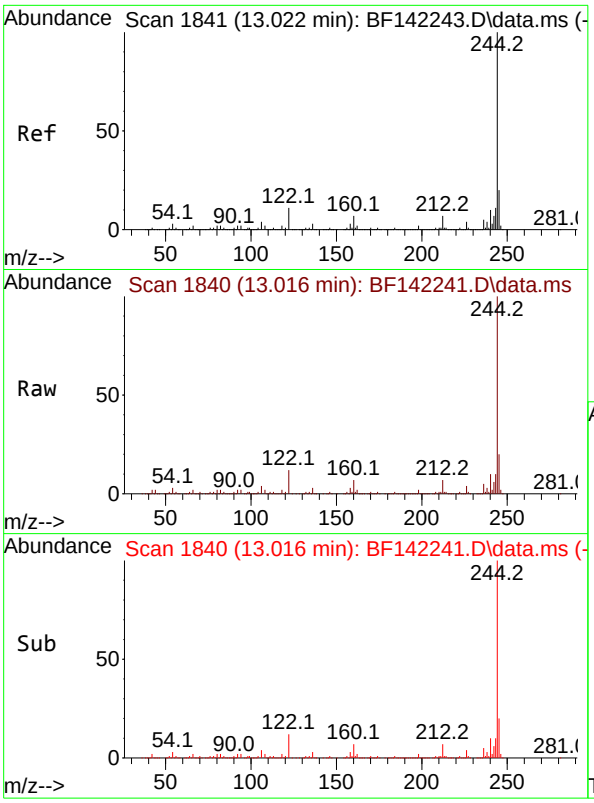


#78
Pyrene
Concen: 9.763 ng
RT: 12.874 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:202 Resp: 404860

Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.1	24.1
203	17.6	14.1	21.1



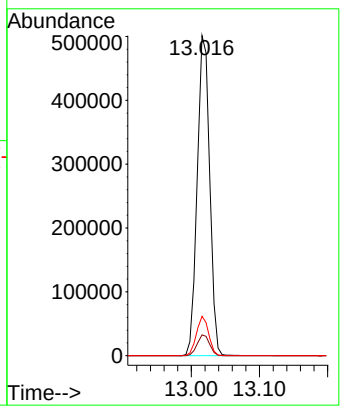


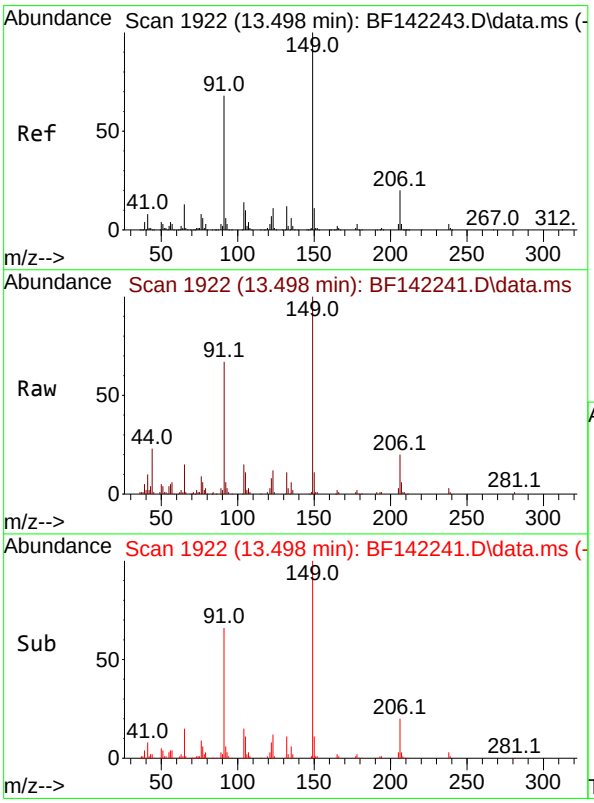
#79
Terphenyl-d14
Concen: 20.552 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 635233

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.3	7.9
122	12.3	9.1	13.7

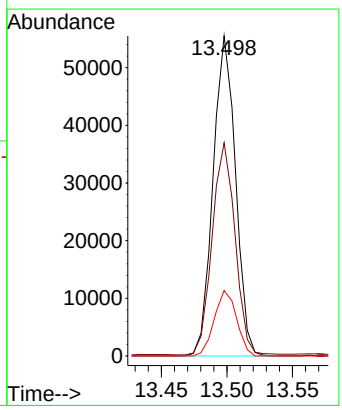


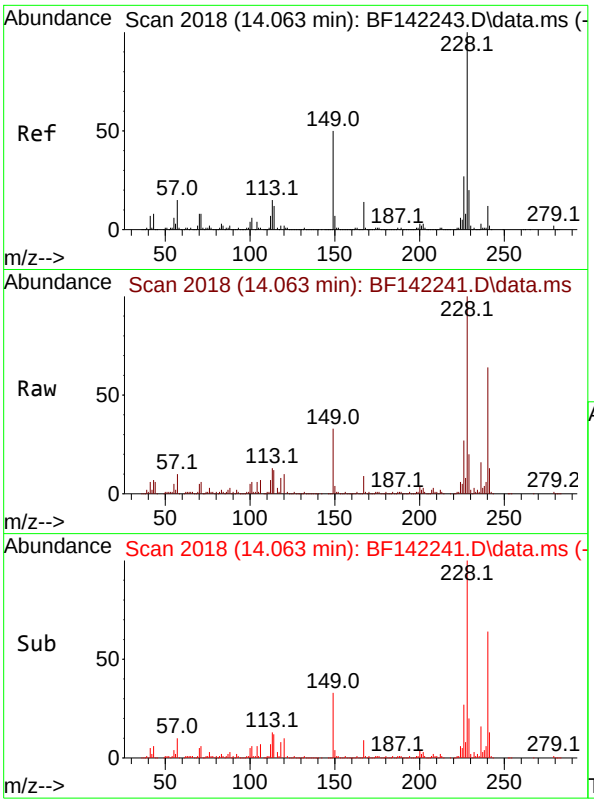


#80
Butylbenzylphthalate
Concen: 9.084 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:149 Resp: 65964

Ion	Ratio	Lower	Upper
149	100		
91	66.6	54.4	81.6
206	20.5	15.9	23.9



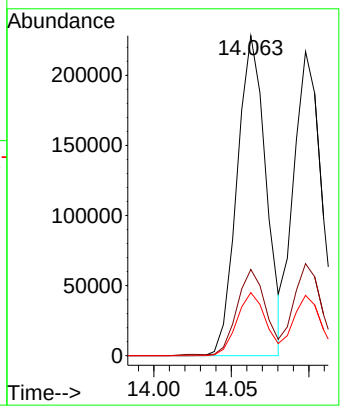


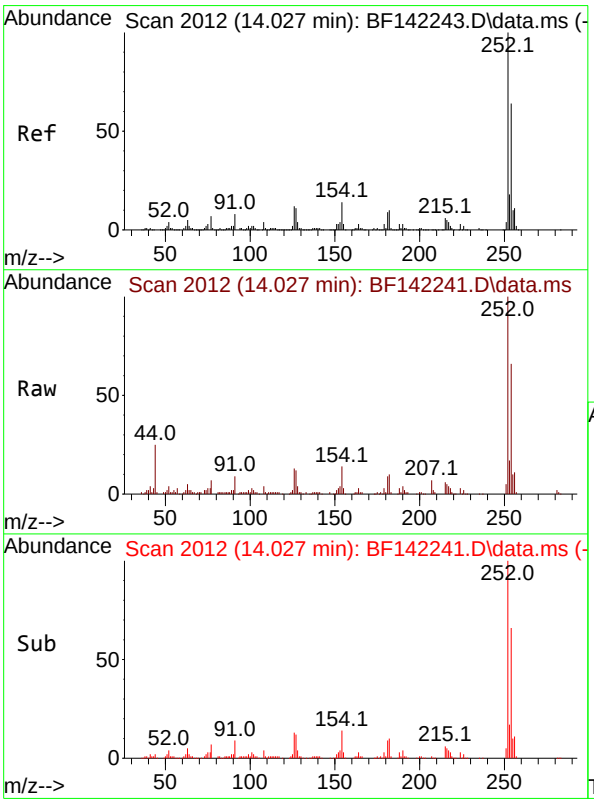
#81
Benzo(a)anthracene
Concen: 9.832 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 296710

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.9	32.9
229	19.7	16.0	24.0

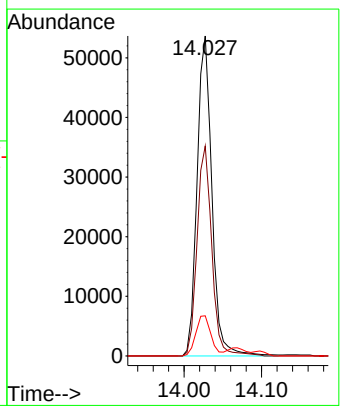


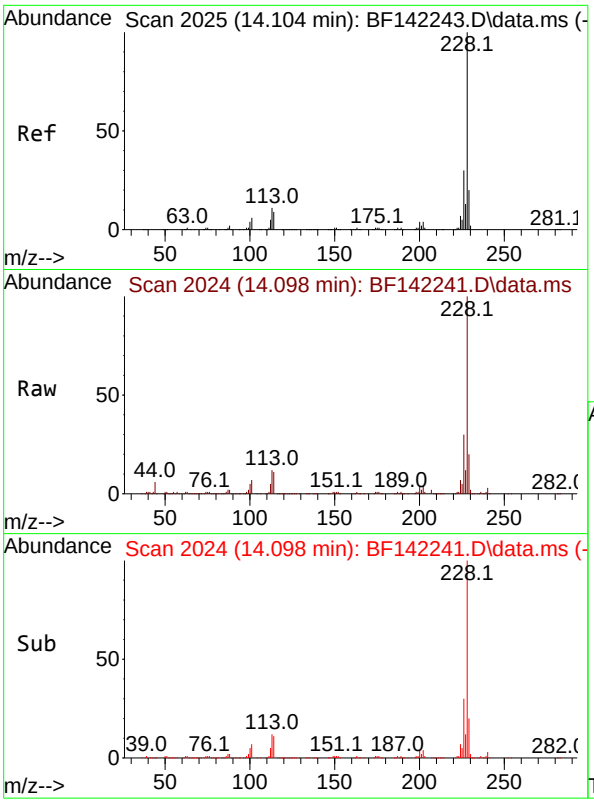


#82
3,3'-Dichlorobenzidine
Concen: 8.046 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:252 Resp: 71321

Ion	Ratio	Lower	Upper
252	100		
254	65.6	51.0	76.6
126	12.5	9.4	14.2



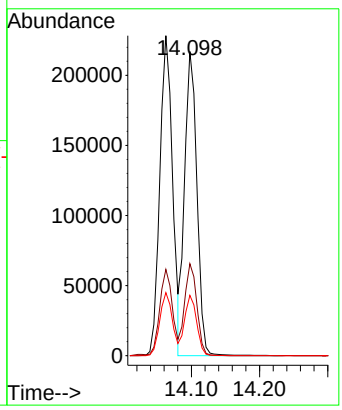


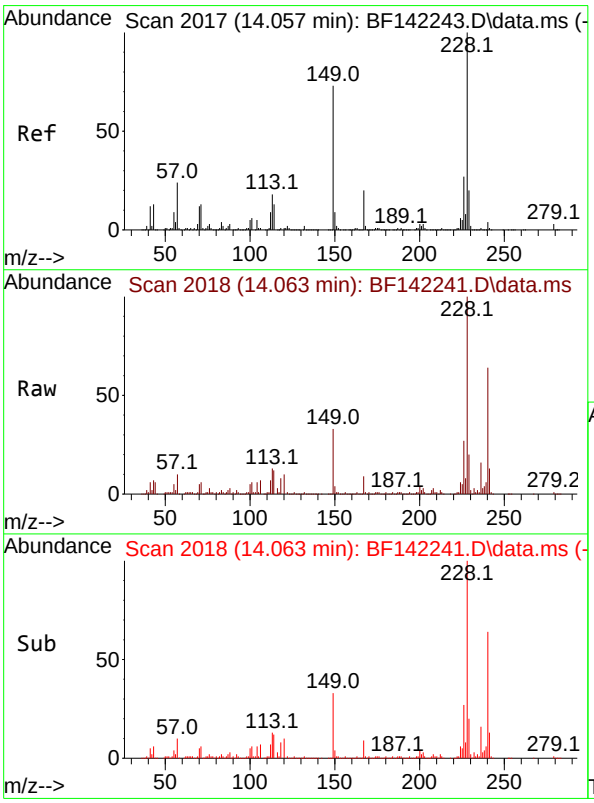
#83
Chrysene
Concen: 9.897 ng
RT: 14.098 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 271875

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.0	36.0
229	19.8	15.7	23.5

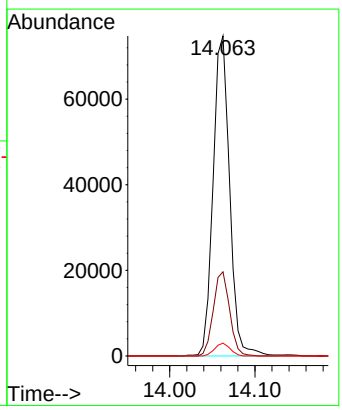


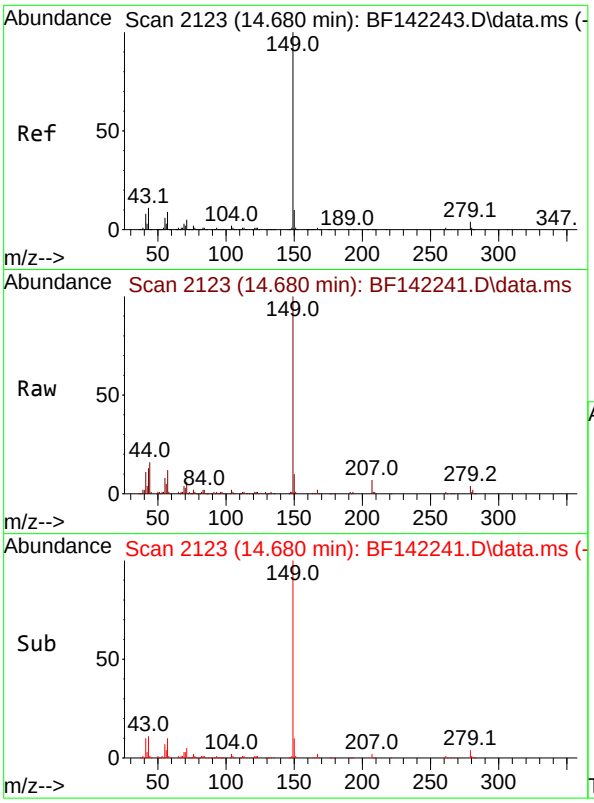


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.409 ng
RT: 14.063 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:149 Resp: 100777

Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.7	32.5
279	4.0	3.0	4.4



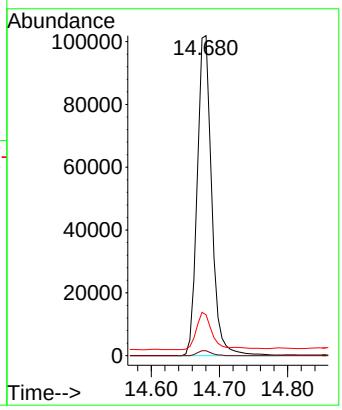


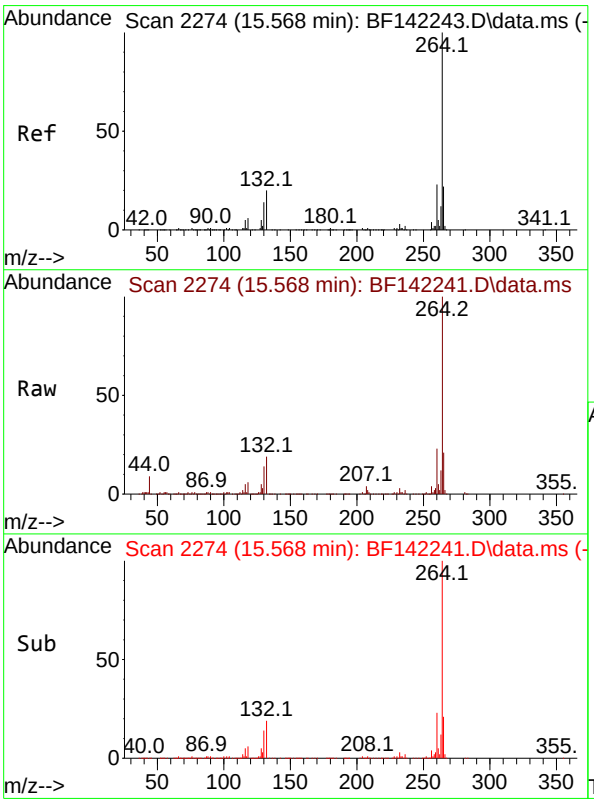
#85
Di-n-octyl phthalate
Concen: 10.622 ng
RT: 14.680 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 150072

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	12.1	9.3	13.9

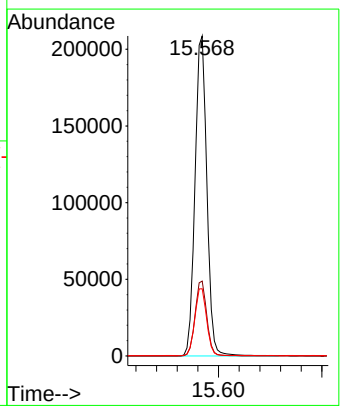


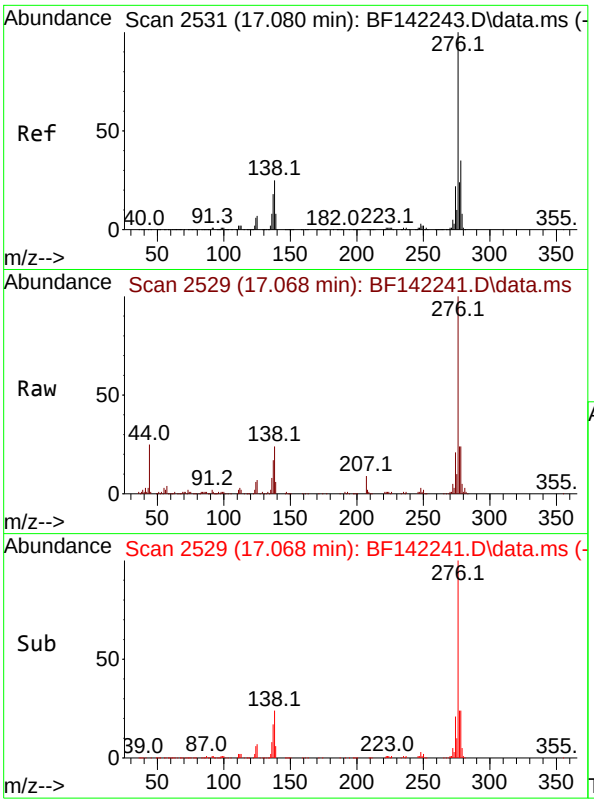


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:264 Resp: 332067

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.4	27.6
265	21.0	17.3	25.9



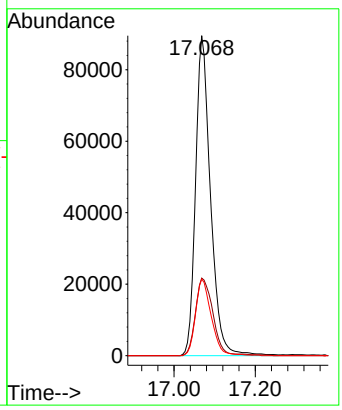


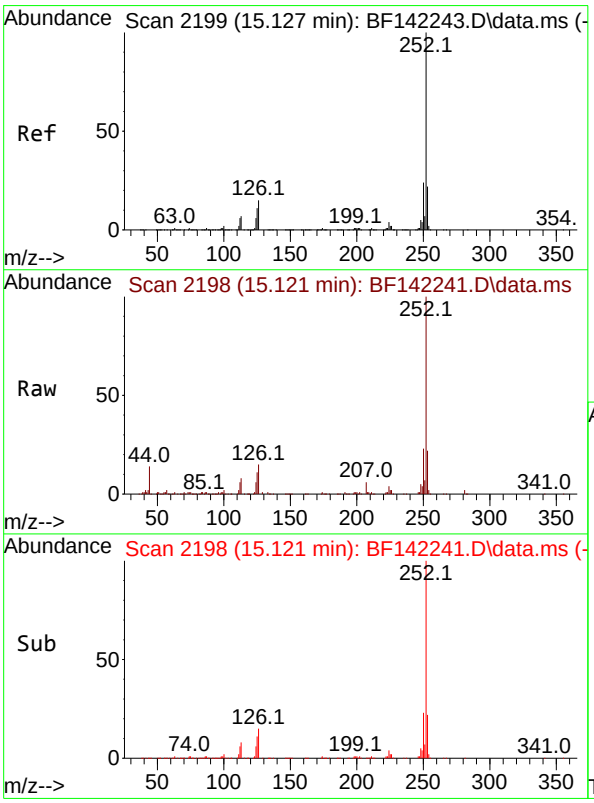
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.449 ng
RT: 17.068 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 229818

Ion	Ratio	Lower	Upper
276	100		
138	28.5	22.6	33.8
277	25.1	20.1	30.1

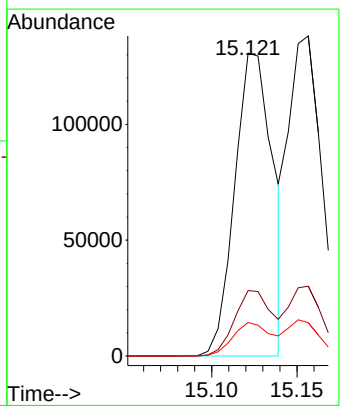


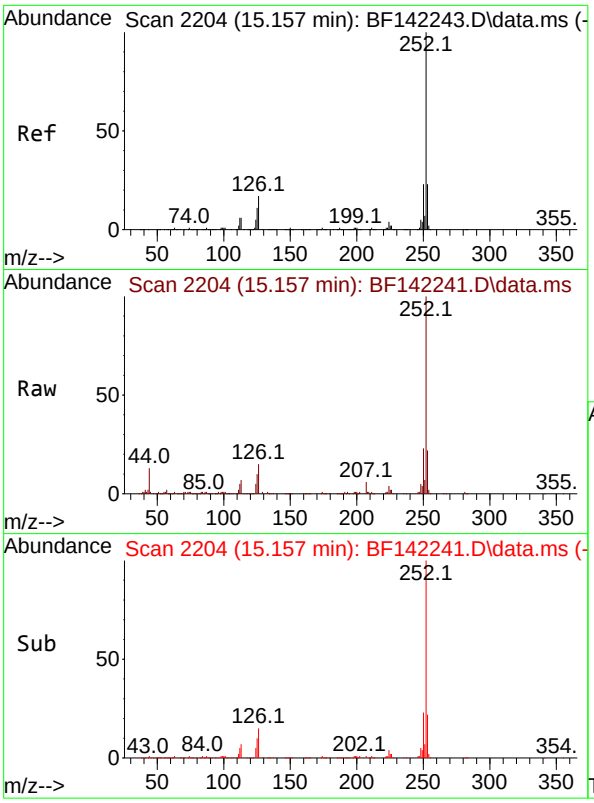


#88
Benzo(b)fluoranthene
Concen: 9.823 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:252 Resp: 202615

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	11.1	9.0	13.4



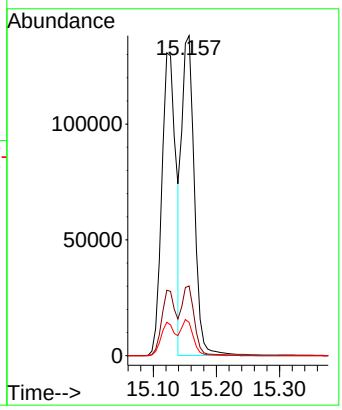


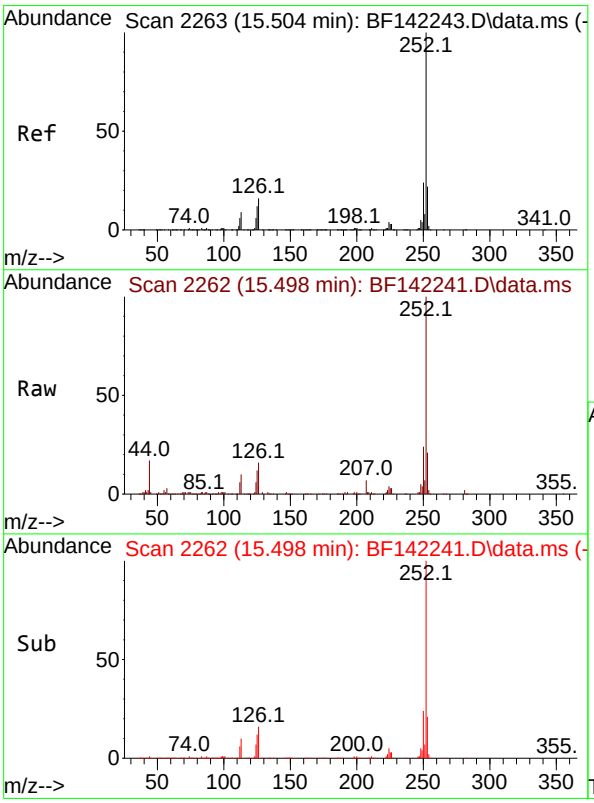
#89
Benzo(k)fluoranthene
Concen: 10.203 ng
RT: 15.157 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 192500

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	10.4	9.0	13.6

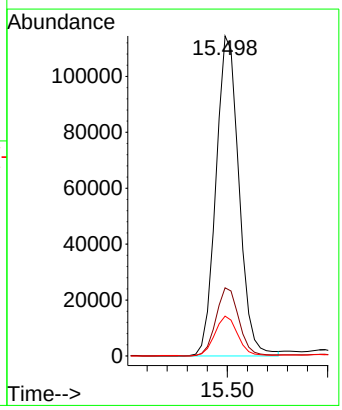


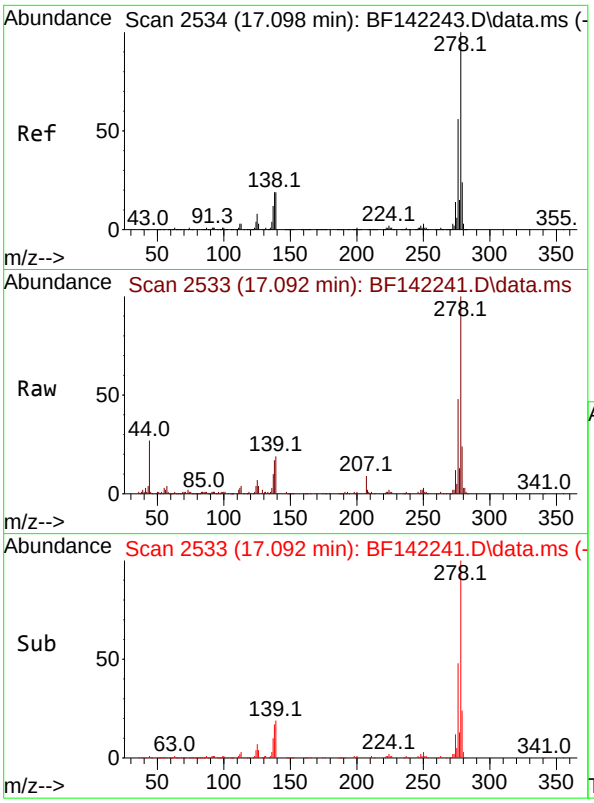


#90
Benzo(a)pyrene
Concen: 9.651 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:252 Resp: 182258

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.6	26.4
125	12.5	9.5	14.3



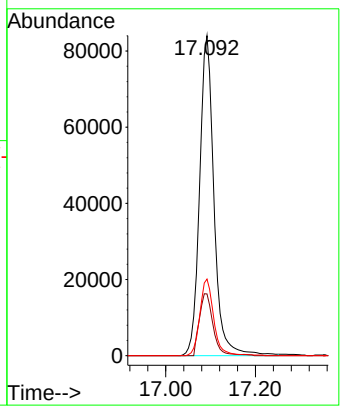


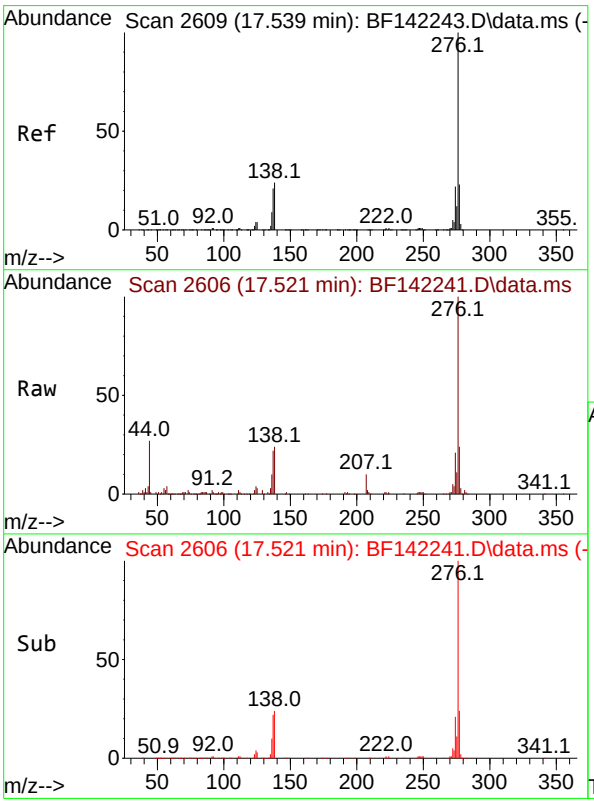
#91
Dibenzo(a,h)anthracene
Concen: 9.513 ng
RT: 17.092 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 187788

Ion	Ratio	Lower	Upper
278	100		
139	19.3	15.2	22.8
279	24.0	19.0	28.6

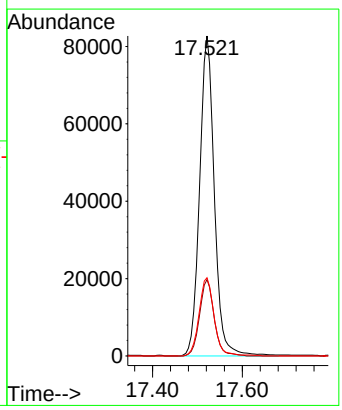




#92
Benzo(g,h,i)perylene
Concen: 9.518 ng
RT: 17.521 min Scan# 2606
Delta R.T. -0.018 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:276 Resp: 188891

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.7	28.1
138	24.4	19.4	29.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142242.D
Acq On : 30 Apr 2025 12:49
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

Quant Time: Apr 30 15:42:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	194641	20.000	ng	0.00
21) Naphthalene-d8	8.193	136	746567	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	398805	20.000	ng	0.00
64) Phenanthrene-d10	11.434	188	679379	20.000	ng	0.00
76) Chrysene-d12	14.075	240	430351	20.000	ng	0.00
86) Perylene-d12	15.569	264	350840	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	492356	40.399	ng	0.00
7) Phenol-d6	6.516	99	597221	40.580	ng	-0.01
23) Nitrobenzene-d5	7.469	82	450837	39.673	ng	0.00
42) 2,4,6-Tribromophenol	10.734	330	146779	40.372	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1212743	42.876	ng	0.00
79) Terphenyl-d14	13.022	244	1223735	41.357	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.693	88	109201	20.062	ng	100
3) Pyridine	3.458	79	282987	20.004	ng	100
4) n-Nitrosodimethylamine	3.399	42	141737	19.361	ng	97
6) Aniline	6.569	93	419797	20.152	ng	99
8) 2-Chlorophenol	6.687	128	253840	20.156	ng	99
9) Benzaldehyde	6.457	77	213052	20.712	ng	98
10) Phenol	6.534	94	322435	20.352	ng	98
11) bis(2-Chloroethyl)ether	6.640	93	247179	20.132	ng	99
12) 1,3-Dichlorobenzene	6.851	146	289129	20.294	ng	100
13) 1,4-Dichlorobenzene	6.928	146	290927	20.268	ng	99
14) 1,2-Dichlorobenzene	7.081	146	278592	20.331	ng	99
15) Benzyl Alcohol	7.040	79	207042	19.835	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.181	45	448250	20.218	ng	99
17) 2-Methylphenol	7.146	107	207957	20.157	ng	99
18) Hexachloroethane	7.422	117	93572	19.917	ng	96
19) n-Nitroso-di-n-propyla...	7.316	70	184776	20.318	ng	99
20) 3+4-Methylphenols	7.298	107	267057	20.700	ng	96
22) Acetophenone	7.310	105	360484	20.872	ng	98
24) Nitrobenzene	7.487	77	221499	19.865	ng	98
25) Isophorone	7.722	82	479096	20.088	ng	99
26) 2-Nitrophenol	7.804	139	61615	17.893	ng	98
27) 2,4-Dimethylphenol	7.834	122	248864	20.696	ng	97
28) bis(2-Chloroethoxy)met...	7.934	93	309073	20.549	ng	99
29) 2,4-Dichlorophenol	8.040	162	204821	20.374	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	227898	20.315	ng	100
31) Naphthalene	8.210	128	772839	20.758	ng	100
32) Benzoic acid	7.904	122	64656m	19.412	ng	
33) 4-Chloroaniline	8.257	127	320218	20.654	ng	99
34) Hexachlorobutadiene	8.334	225	133474	20.393	ng	99
35) Caprolactam	8.604	113	60791	20.118	ng	99
36) 4-Chloro-3-methylphenol	8.722	107	208419	20.190	ng	99
37) 2-Methylnaphthalene	8.904	142	472896	20.658	ng	100
38) 1-Methylnaphthalene	9.004	142	497635	20.985	ng	99
40) 1,2,4,5-Tetrachloroben...	9.069	216	228311	20.342	ng	99
41) Hexachlorocyclopentadiene	9.057	237	121953	19.145	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	140807	20.246	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142242.D
Acq On : 30 Apr 2025 12:49
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	144462	19.756	ng		99
46) 1,1'-Biphenyl	9.369	154	643017	20.740	ng		99
47) 2-Chloronaphthalene	9.392	162	474899	20.588	ng		98
48) 2-Nitroaniline	9.481	65	90798	18.213	ng		97
49) Acenaphthylene	9.810	152	807654	20.749	ng		99
50) Dimethylphthalate	9.663	163	518802	20.334	ng		100
51) 2,6-Dinitrotoluene	9.722	165	76955	18.432	ng		93
52) Acenaphthene	9.981	154	460927	20.281	ng		100
53) 3-Nitroaniline	9.892	138	100560	18.959	ng	#	95
54) 2,4-Dinitrophenol	9.992	184	14553	18.804	ng	#	1
55) Dibenzofuran	10.151	168	698155	20.493	ng		100
56) 4-Nitrophenol	10.034	139	70423	17.561	ng		97
57) 2,4-Dinitrotoluene	10.122	165	84812	17.844	ng		95
58) Fluorene	10.492	166	538647	20.793	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	124353	20.530	ng		99
60) Diethylphthalate	10.363	149	519294	20.611	ng		98
61) 4-Chlorophenyl-phenyle...	10.486	204	252213	20.502	ng		99
62) 4-Nitroaniline	10.498	138	92884	18.933	ng		97
63) Azobenzene	10.645	77	508482	20.438	ng		98
65) 4,6-Dinitro-2-methylph...	10.528	198	23400	18.756	ng		98
66) n-Nitrosodiphenylamine	10.604	169	470767	20.280	ng		100
67) 4-Bromophenyl-phenylether	10.981	248	151720	20.053	ng		99
68) Hexachlorobenzene	11.039	284	168767	19.916	ng		97
69) Atrazine	11.128	200	126444	20.665	ng		99
70) Pentachlorophenol	11.228	266	81929	18.301	ng		99
71) Phenanthrene	11.457	178	760476	20.723	ng		99
72) Anthracene	11.510	178	782215	20.848	ng		99
73) Carbazole	11.657	167	720775	21.059	ng		99
74) Di-n-butylphthalate	11.998	149	739011	21.469	ng		99
75) Fluoranthene	12.645	202	784880	21.636	ng		100
77) Benzidine	12.769	184	381034	20.837	ng		99
78) Pyrene	12.875	202	795806	20.046	ng		100
80) Butylbenzylphthalate	13.498	149	174268	18.529	ng		99
81) Benzo(a)anthracene	14.063	228	573438	19.849	ng		99
82) 3,3'-Dichlorobenzidine	14.027	252	163359	19.251	ng		100
83) Chrysene	14.098	228	537388	20.435	ng		100
84) Bis(2-ethylhexyl)phtha...	14.057	149	236325	18.042	ng		100
85) Di-n-octyl phthalate	14.674	149	376362	17.998	ng		98
87) Indeno(1,2,3-cd)pyrene	17.074	276	514496	20.021	ng		99
88) Benzo(b)fluoranthene	15.127	252	423694	19.442	ng		98
89) Benzo(k)fluoranthene	15.157	252	428646	21.504	ng		98
90) Benzo(a)pyrene	15.504	252	402101	20.154	ng		99
91) Dibenzo(a,h)anthracene	17.092	278	420029	20.139	ng		98
92) Benzo(g,h,i)perylene	17.527	276	422497	20.150	ng		100

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

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142242.D
Acq On : 30 Apr 2025 12:49
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

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ClientSampleId :
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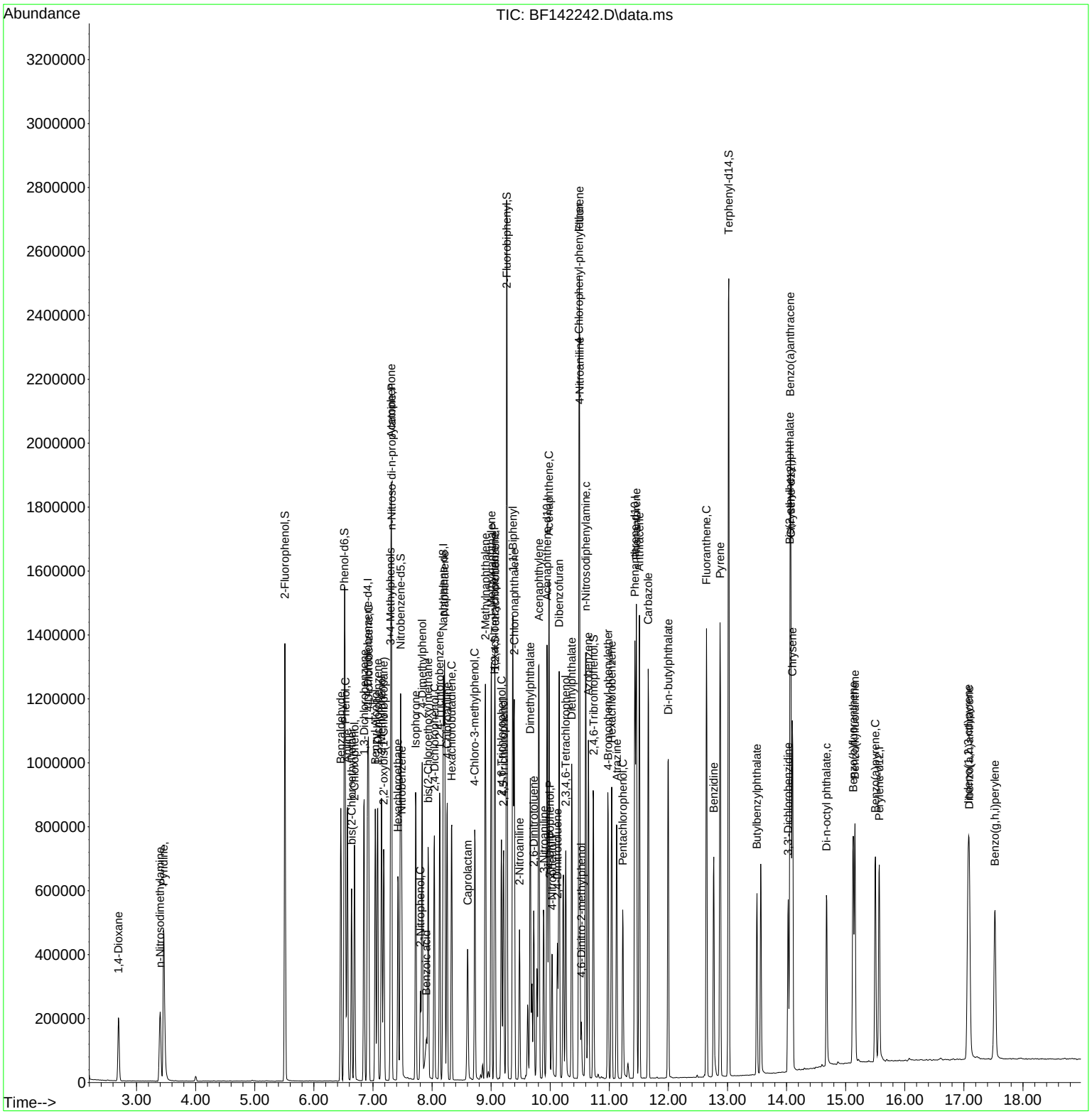
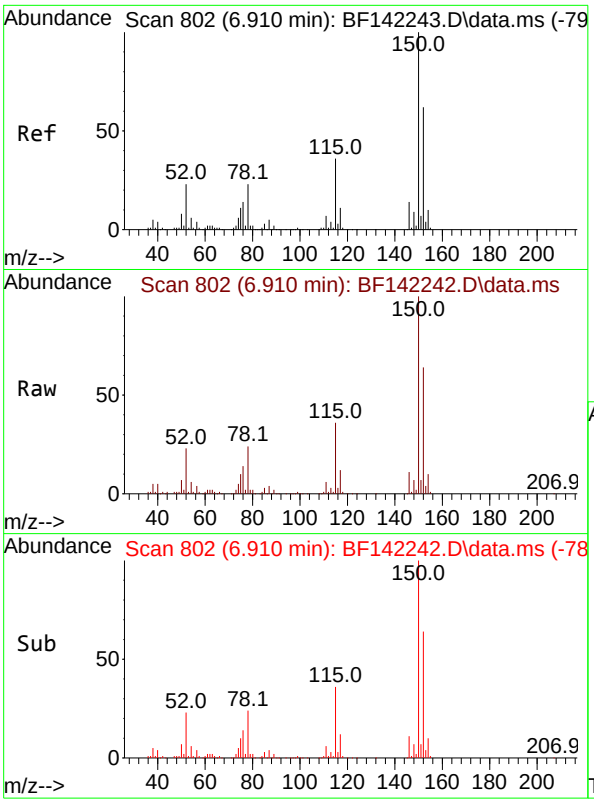
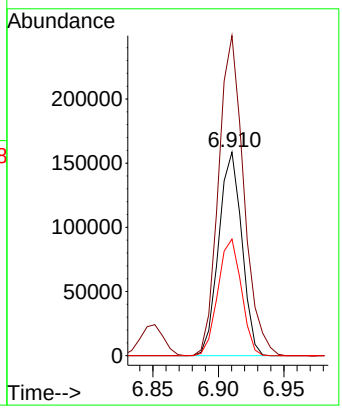




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:152 Resp: 19464

Ion	Ratio	Lower	Upper
152	100		
150	157.2	130.2	195.2
115	57.3	47.0	70.4



Instrument :
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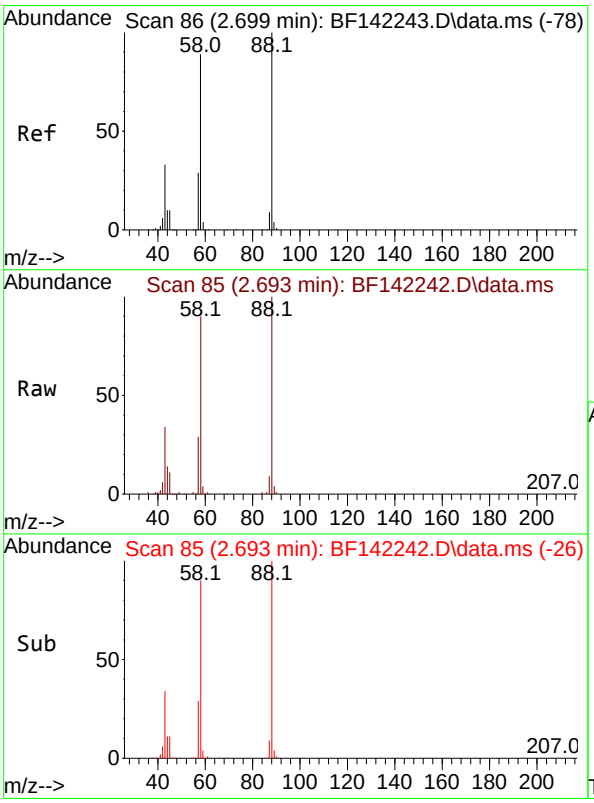
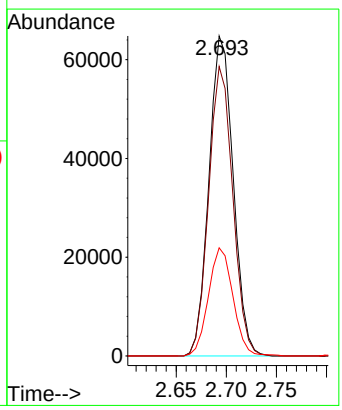
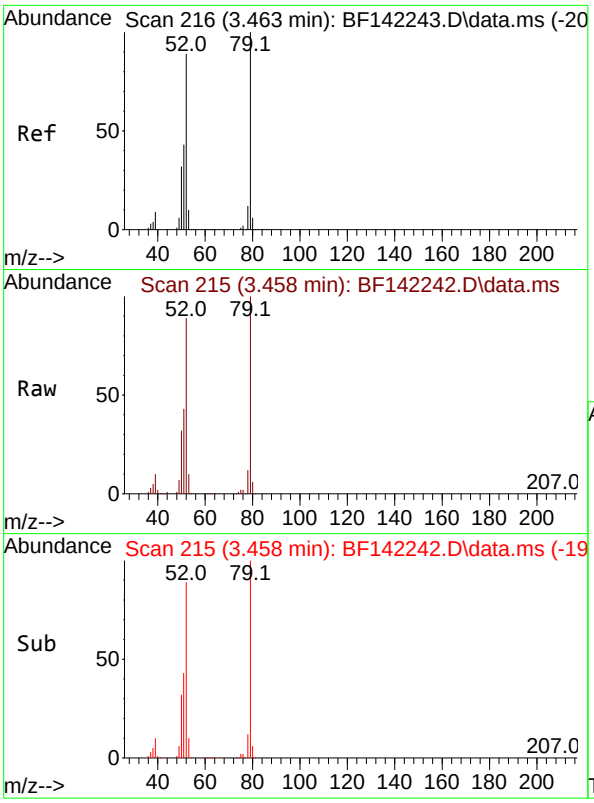


#2
1,4-Dioxane
Concen: 20.062 ng
RT: 2.693 min Scan# 85
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 88 Resp: 109201

Ion	Ratio	Lower	Upper
88	100		
58	90.0	72.2	108.2
43	34.2	27.0	40.6

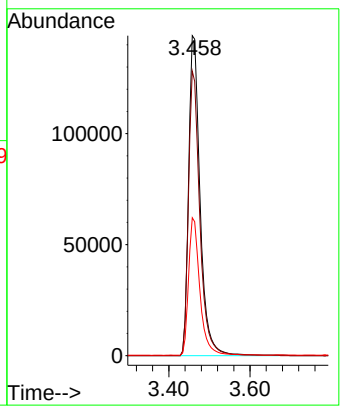




#3
Pyridine
Concen: 20.004 ng
RT: 3.458 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 79 Resp: 28298

Ion	Ratio	Lower	Upper
79	100		
52	89.0	71.5	107.3
51	43.1	34.5	51.7



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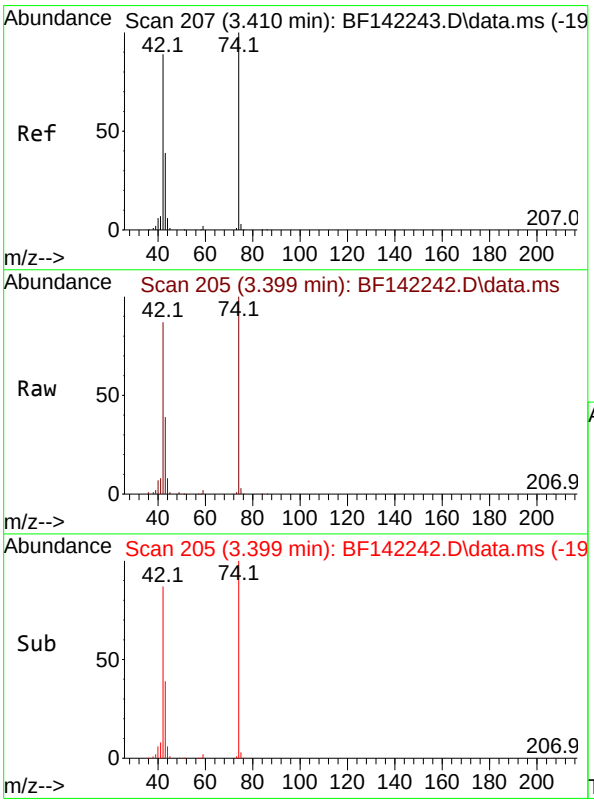
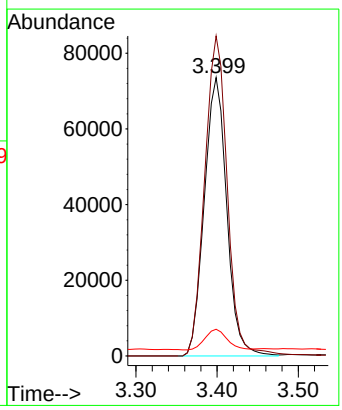
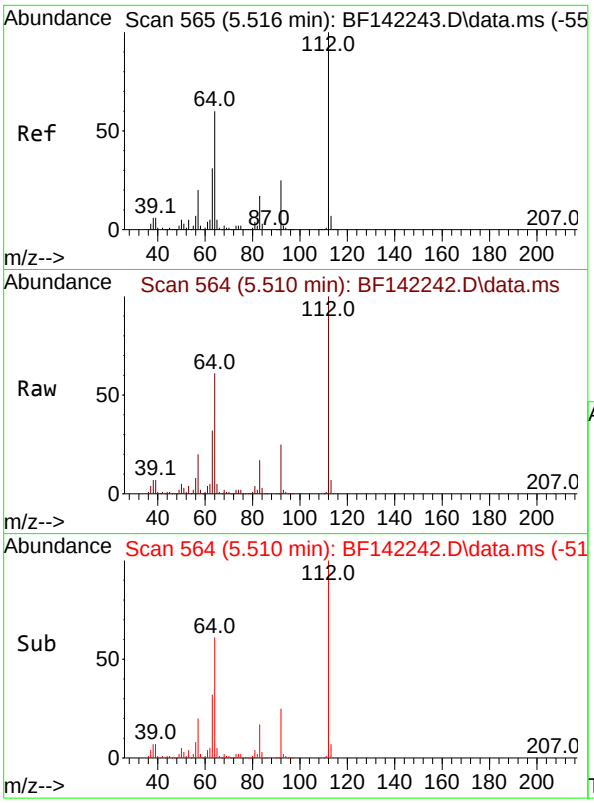


#4
n-Nitrosodimethylamine
Concen: 19.361 ng
RT: 3.399 min Scan# 205
Delta R.T. -0.012 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 42 Resp: 141737

Ion	Ratio	Lower	Upper
42	100		
74	114.9	89.5	134.3
44	9.6	6.6	9.8

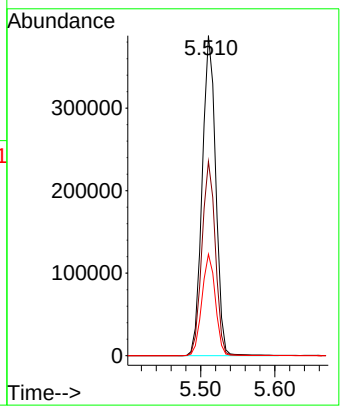




#5
2-Fluorophenol
Concen: 40.399 ng
RT: 5.510 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:112 Resp: 49235

Ion	Ratio	Lower	Upper
112	100		
64	60.7	48.4	72.6
63	31.7	24.8	37.2



Instrument :
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ClientSampleId :
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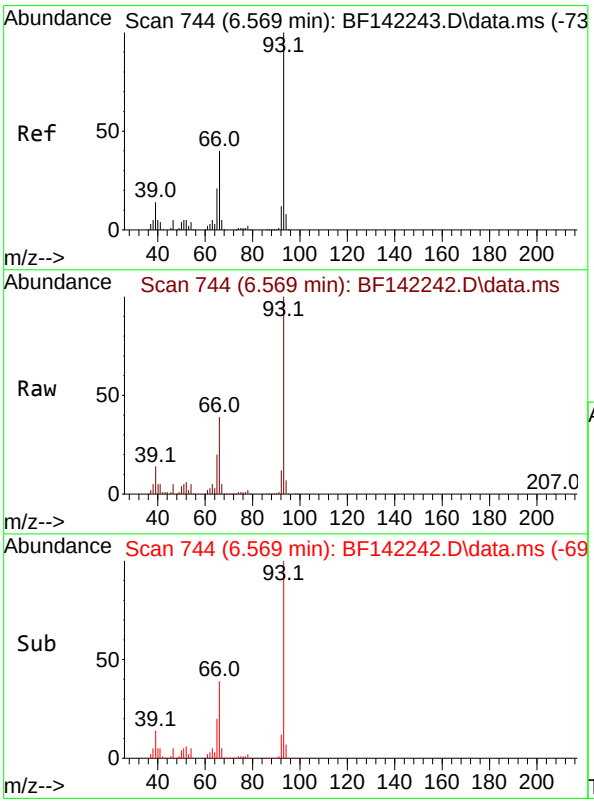
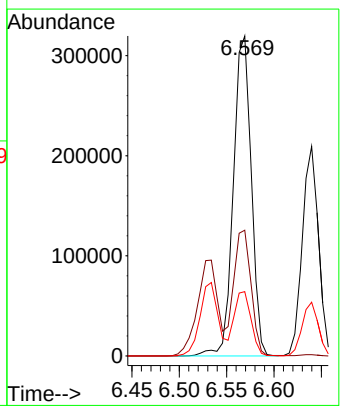
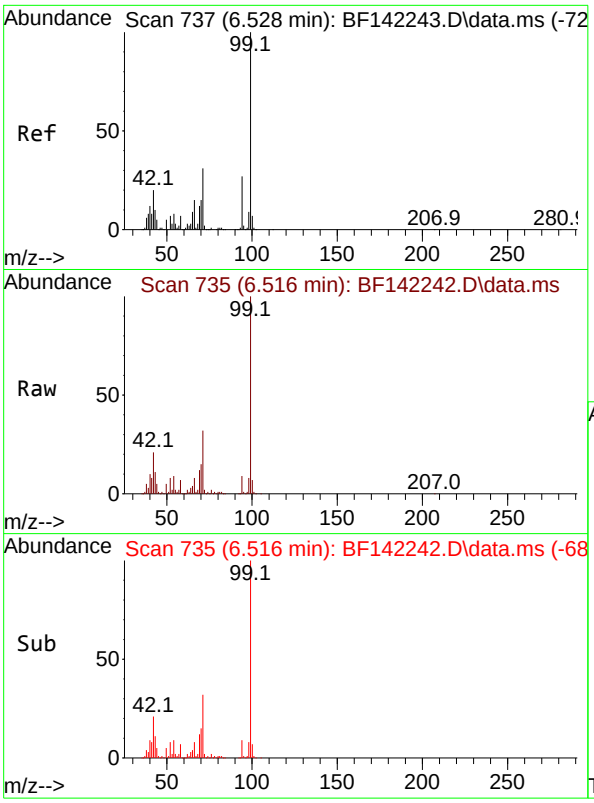


#6
Aniline
Concen: 20.152 ng
RT: 6.569 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 93 Resp: 419797

Ion	Ratio	Lower	Upper
93	100		
66	39.3	32.1	48.1
65	20.1	16.6	24.8

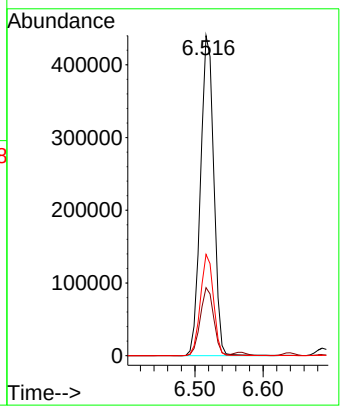




#7
Phenol-d6
Concen: 40.580 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 99 Resp: 59722

Ion	Ratio	Lower	Upper
99	100		
42	21.3	16.3	24.5
71	31.6	25.0	37.4



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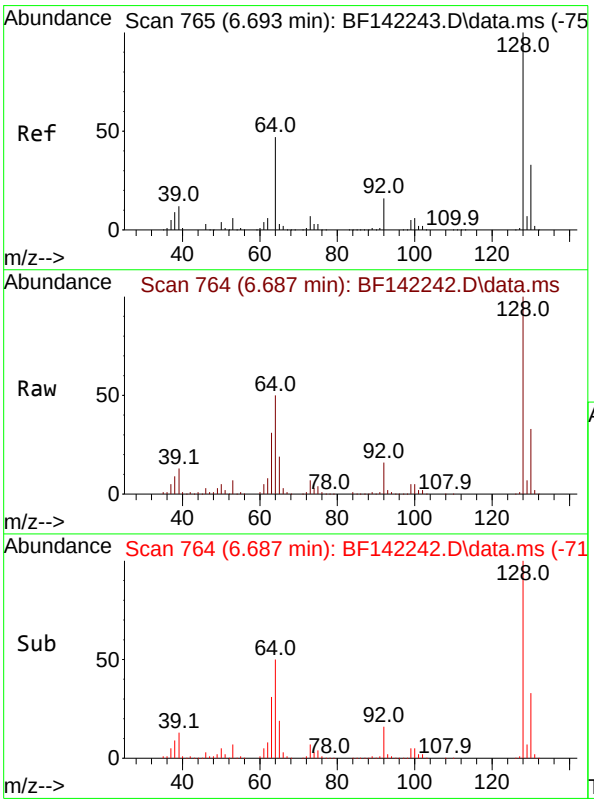
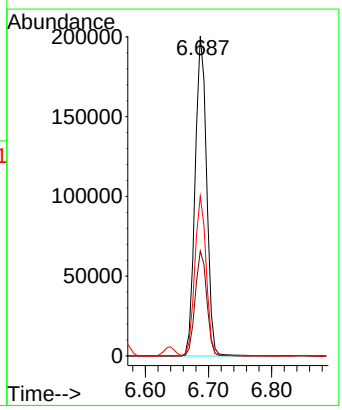
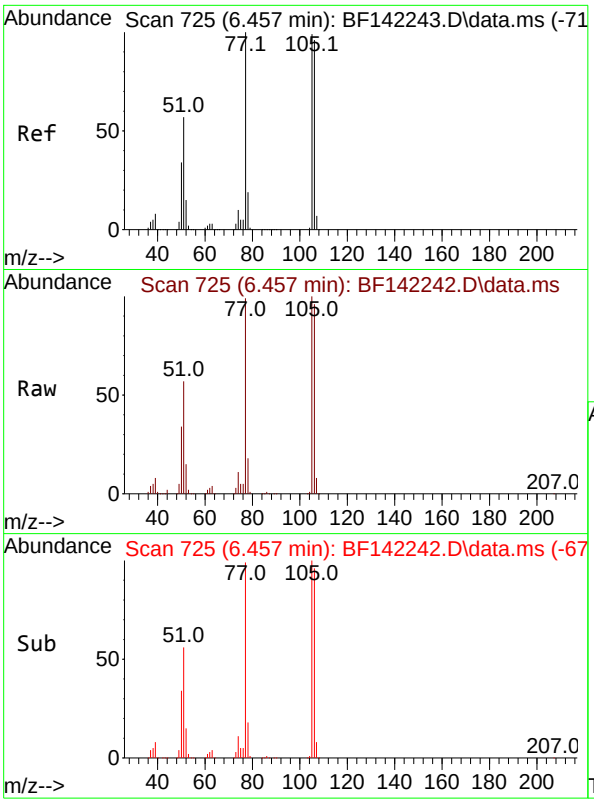


#8
2-Chlorophenol
Concen: 20.156 ng
RT: 6.687 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:128 Resp: 253840

Ion	Ratio	Lower	Upper
128	100		
130	32.8	13.1	53.1
64	50.0	28.6	68.6

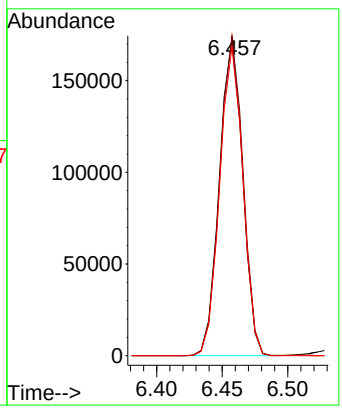




#9
Benzaldehyde
Concen: 20.712 ng
RT: 6.457 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 77 Resp: 21305

Ion	Ratio	Lower	Upper
77	100		
105	101.1	79.1	119.1
106	97.4	76.0	116.0



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ClientSampleId :
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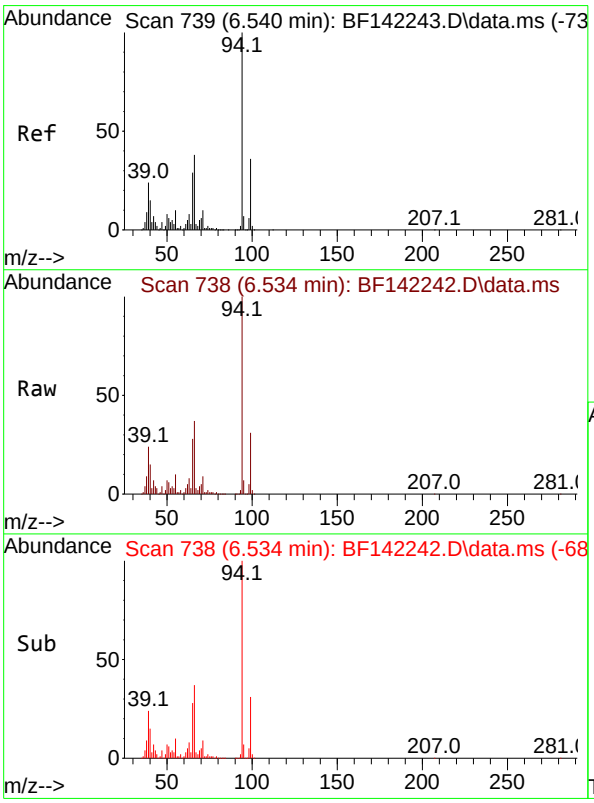
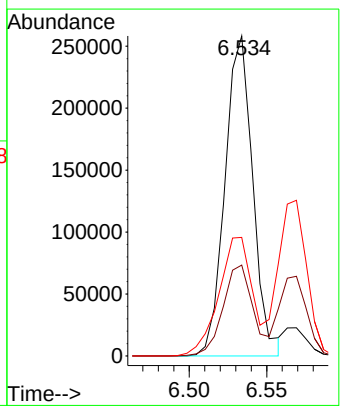
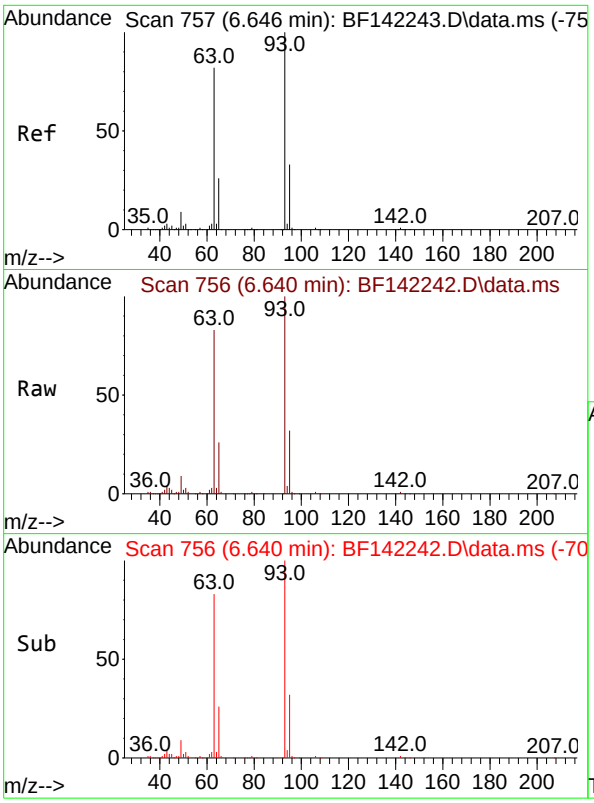


#10
Phenol
Concen: 20.352 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 94 Resp: 322435

Ion	Ratio	Lower	Upper
94	100		
65	28.4	8.9	48.9
66	37.1	18.7	58.7

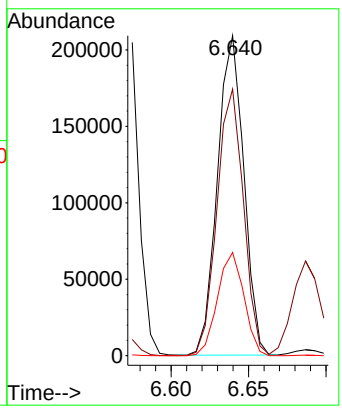




#11
bis(2-Chloroethyl)ether
Concen: 20.132 ng
RT: 6.640 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 93 Resp: 24717

Ion	Ratio	Lower	Upper
93	100		
63	83.3	62.2	102.2
95	32.3	12.7	52.7



Instrument :
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ClientSampleId :
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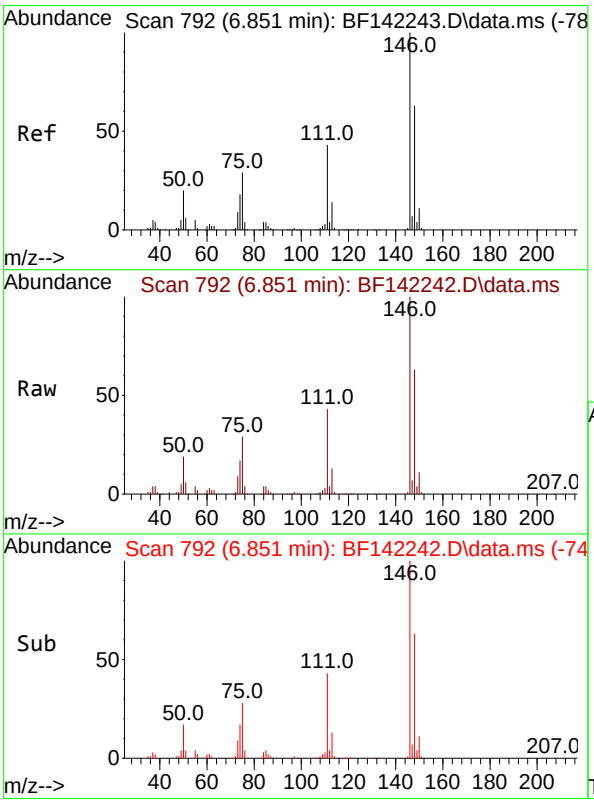
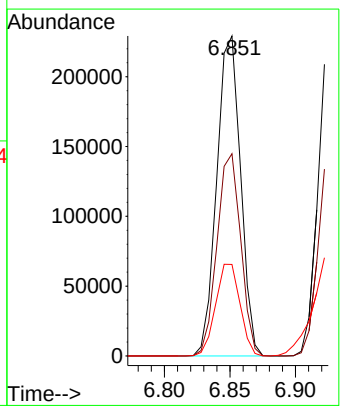
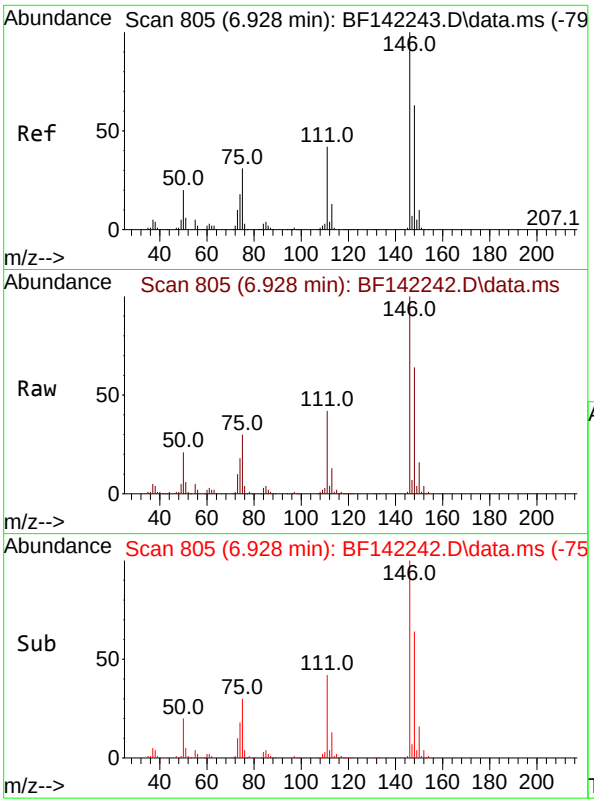


#12
1,3-Dichlorobenzene
Concen: 20.294 ng
RT: 6.851 min Scan# 792
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:146 Resp: 289129

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.5	75.7
75	28.6	23.2	34.8

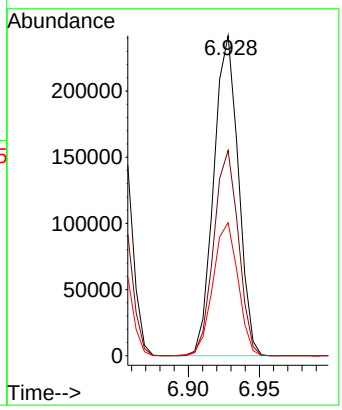




#13
1,4-Dichlorobenzene
Concen: 20.268 ng
RT: 6.928 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:146 Resp: 29092

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.6	76.0
111	41.6	33.4	50.0



Instrument :
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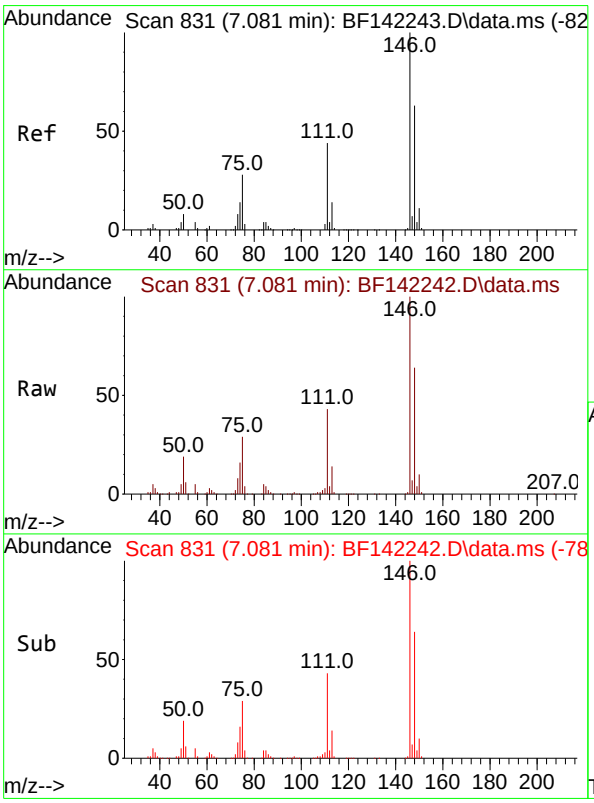
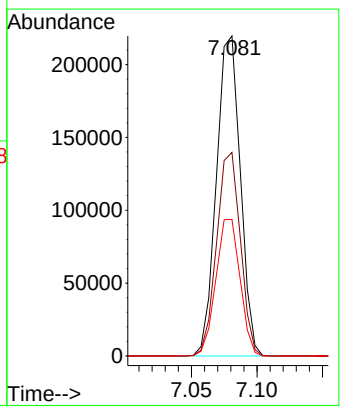
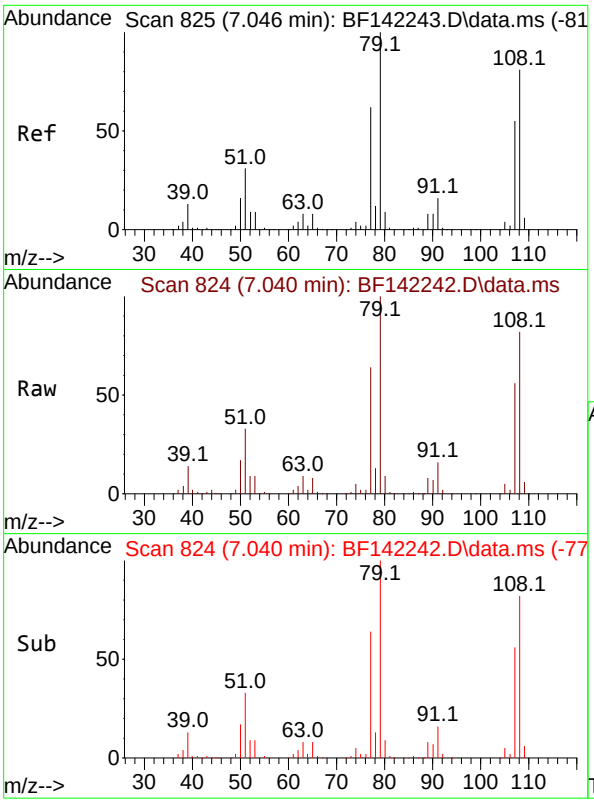


#14
1,2-Dichlorobenzene
Concen: 20.331 ng
RT: 7.081 min Scan# 831
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:146 Resp: 278592

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.5	75.7
111	42.7	34.9	52.3





#15
Benzyl Alcohol
Concen: 19.835 ng
RT: 7.040 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 79 Resp: 20704

Ion	Ratio	Lower	Upper
79	100		
108	81.7	64.5	96.7
77	63.5	49.2	73.8

Instrument :
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ClientSampleId :
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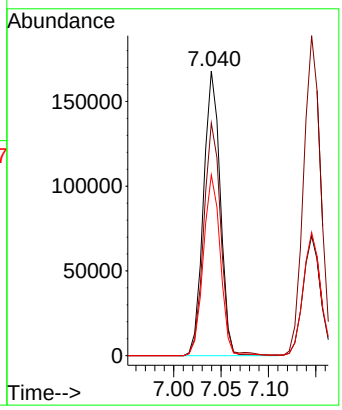
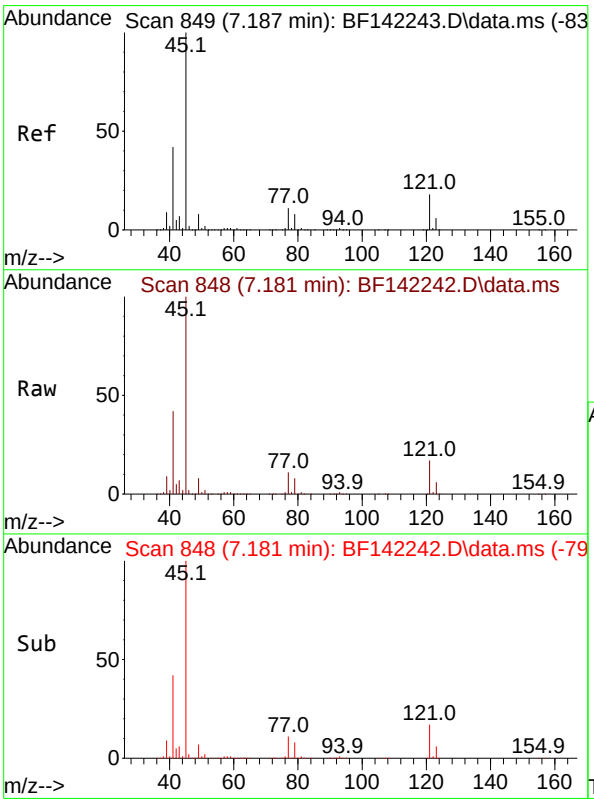
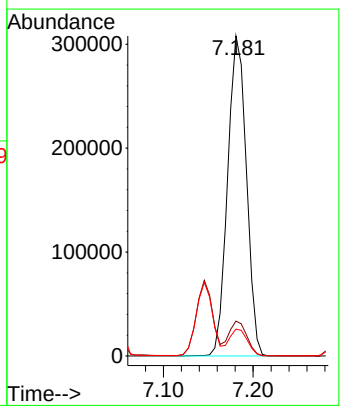


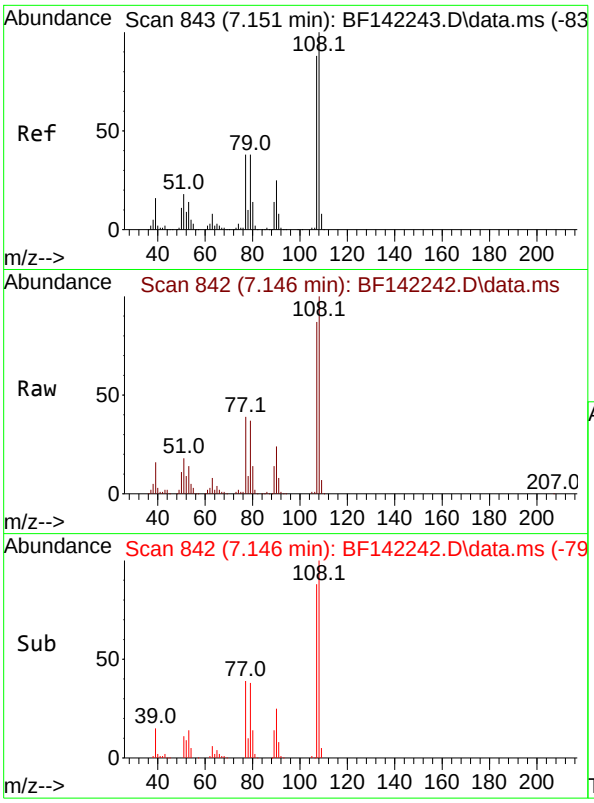


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.218 ng
RT: 7.181 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 45 Resp: 448250

Ion	Ratio	Lower	Upper
45	100		
77	10.9	0.0	31.3
79	8.4	0.0	28.5

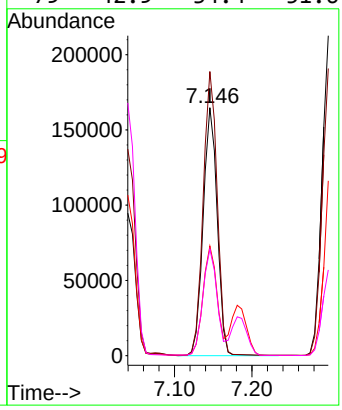




#17
2-Methylphenol
Concen: 20.157 ng
RT: 7.146 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:107 Resp: 20795

Ion	Ratio	Lower	Upper
107	100		
108	114.6	91.0	136.4
77	44.2	34.4	51.6
79	42.9	34.4	51.6



Instrument :
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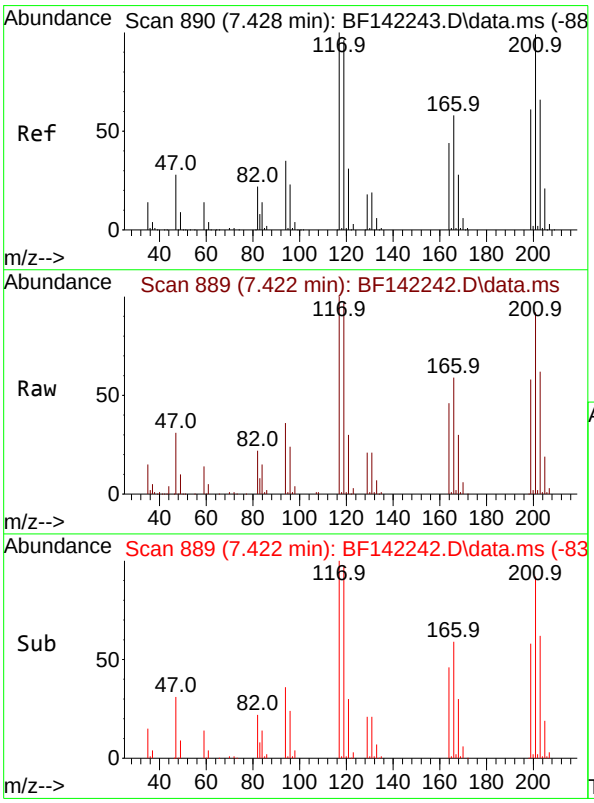
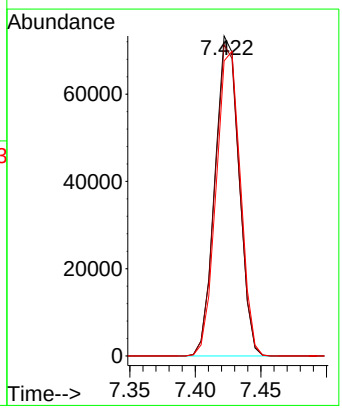
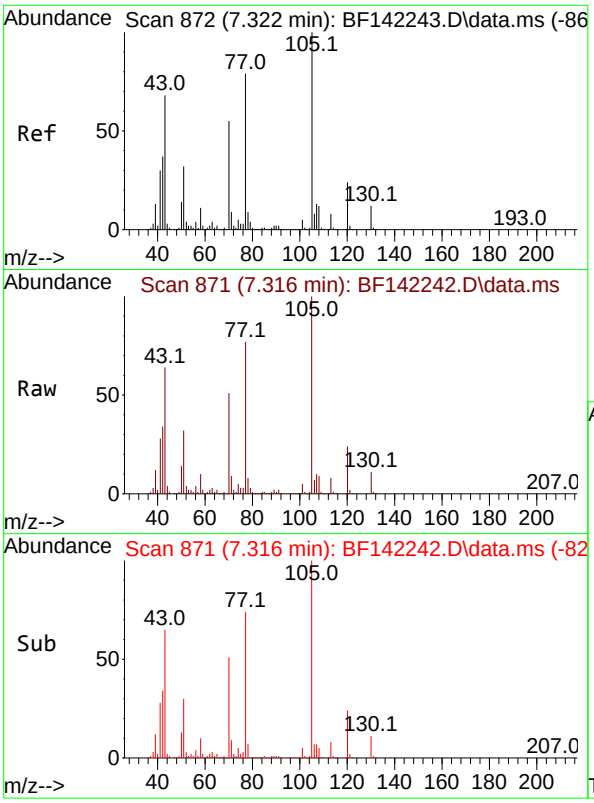


#18
Hexachloroethane
Concen: 19.917 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:117 Resp: 93572

Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.1	115.7
201	92.2	79.4	119.2

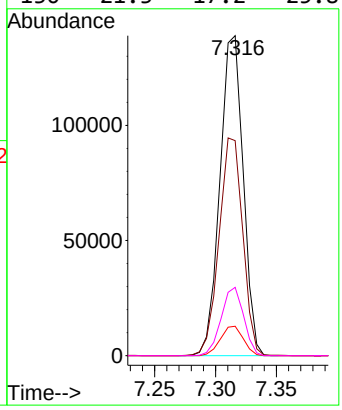




#19
n-Nitroso-di-n-propylamine
Concen: 20.318 ng
RT: 7.316 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 70 Resp: 18477

Ion	Ratio	Lower	Upper
70	100		
42	67.2	53.4	80.2
101	9.2	7.7	11.5
130	21.3	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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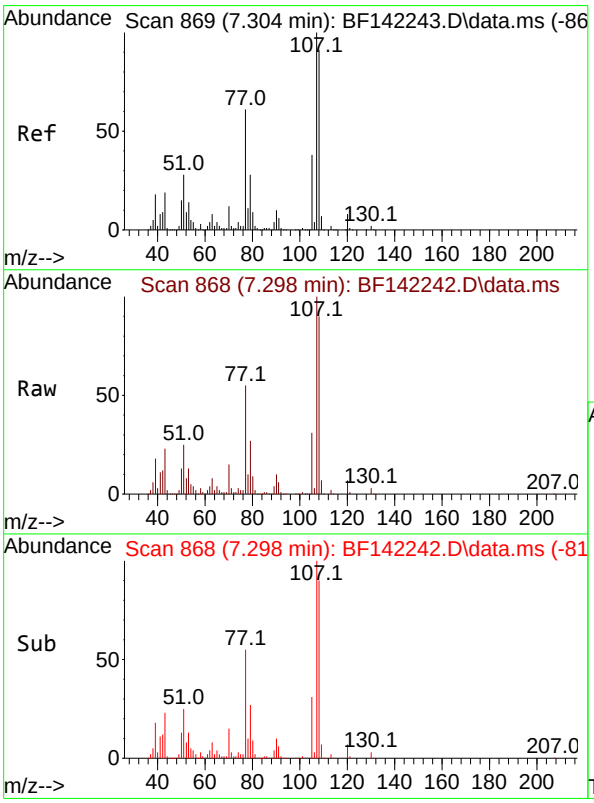
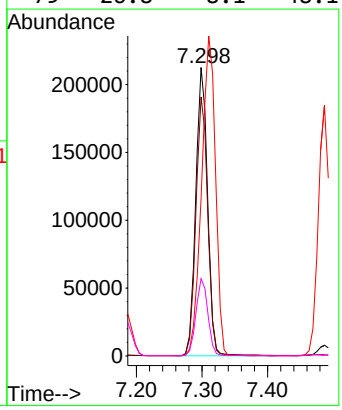
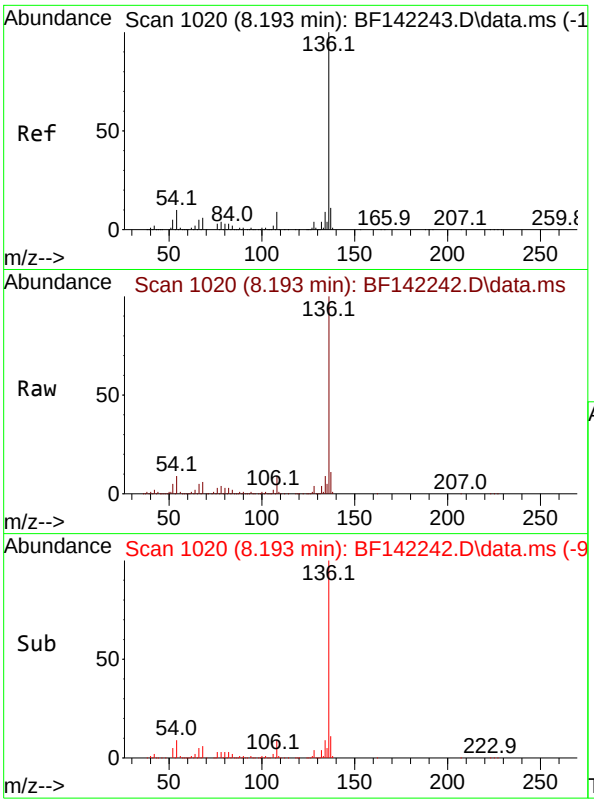


#20
3+4-Methylphenols
Concen: 20.700 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:107 Resp: 267057

Ion	Ratio	Lower	Upper
107	100		
108	89.7	71.2	111.2
77	54.6	41.1	81.1
79	26.8	8.1	48.1

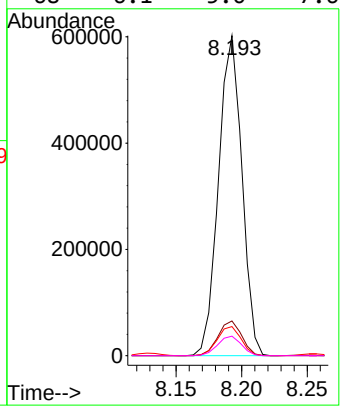




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.193 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:136 Resp: 74656

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	9.1	7.7	11.5
68	6.1	5.0	7.6



Instrument :
BNA_F
ClientSampleId :
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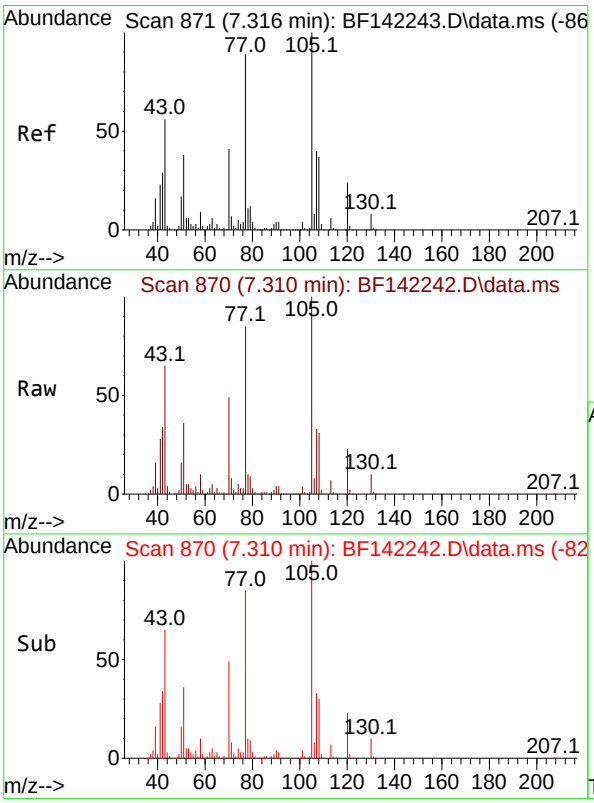
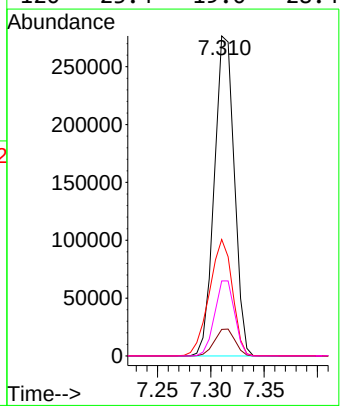
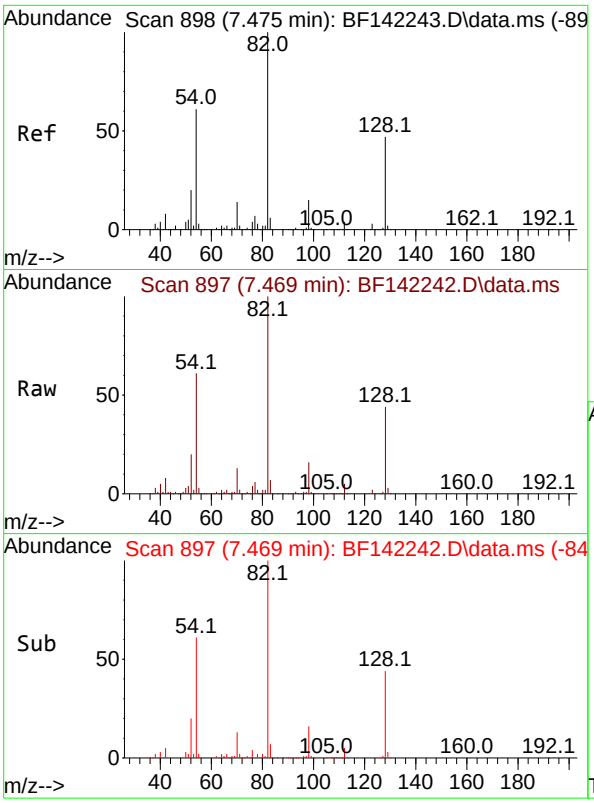


#22
Acetophenone
Concen: 20.872 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:105 Resp: 360484

Ion	Ratio	Lower	Upper
105	100		
71	8.3	5.7	8.5
51	36.4	30.1	45.1
120	23.4	19.0	28.4

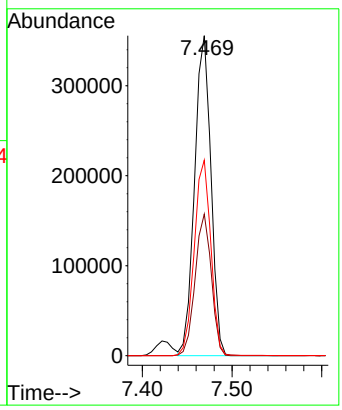




#23
Nitrobenzene-d5
Concen: 39.673 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 82 Resp: 45083

Ion	Ratio	Lower	Upper
82	100		
128	44.3	37.0	55.6
54	61.1	48.0	72.0



Instrument :
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ClientSampleId :
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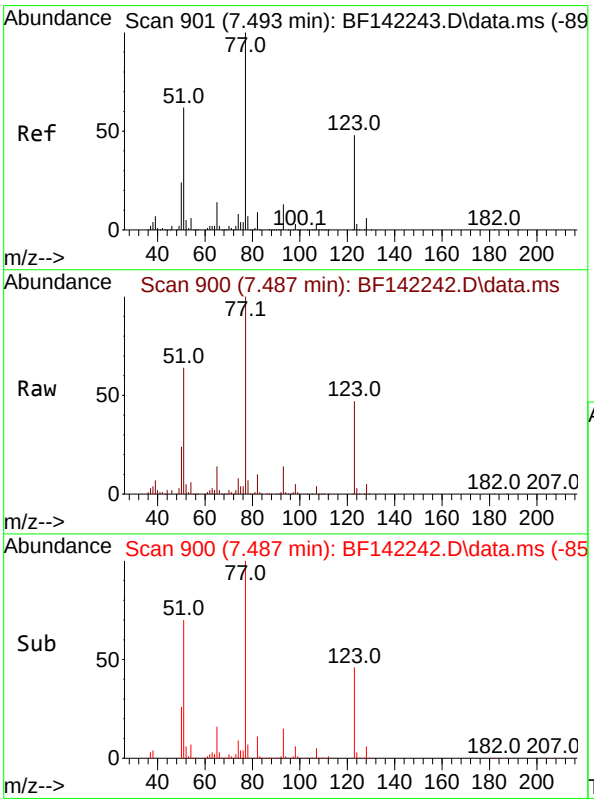
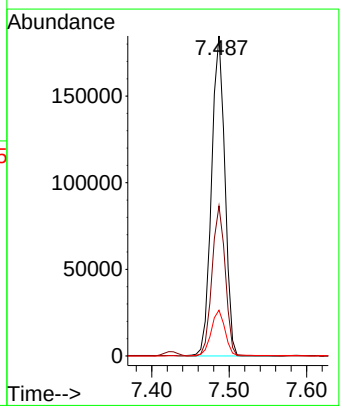
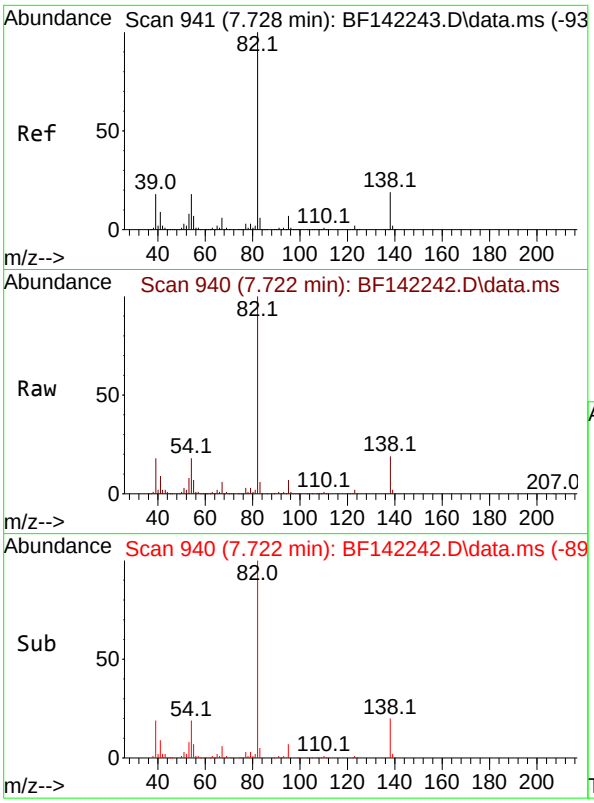


#24
Nitrobenzene
Concen: 19.865 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 77 Resp: 221499

Ion	Ratio	Lower	Upper
77	100		
123	46.9	38.6	58.0
65	14.3	11.5	17.3





#25
Isophorone
Concen: 20.088 ng
RT: 7.722 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 82 Resp: 47909

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.6	8.4
138	19.4	15.3	22.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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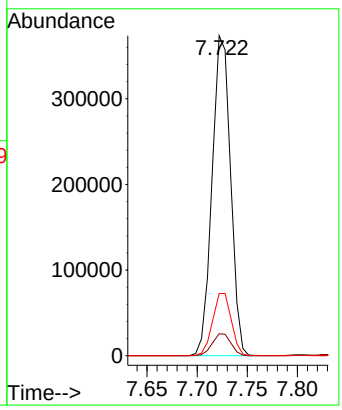
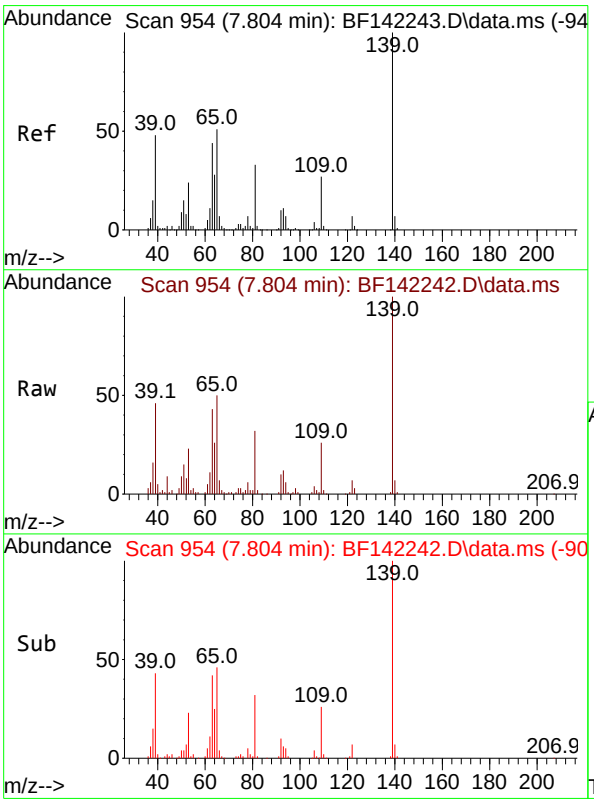
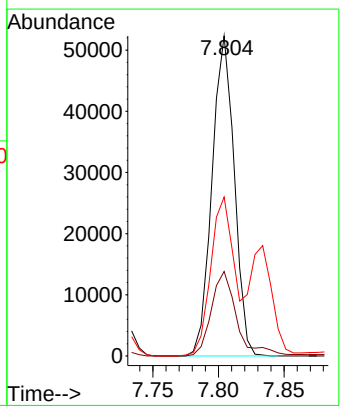


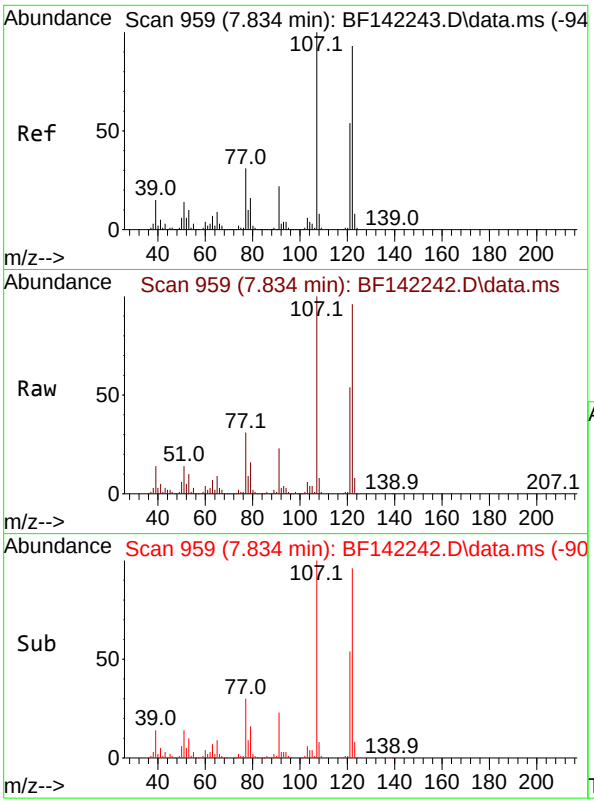


#26
2-Nitrophenol
Concen: 17.893 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:139 Resp: 61615

Ion	Ratio	Lower	Upper
139	100		
109	26.4	21.8	32.8
65	49.6	41.1	61.7

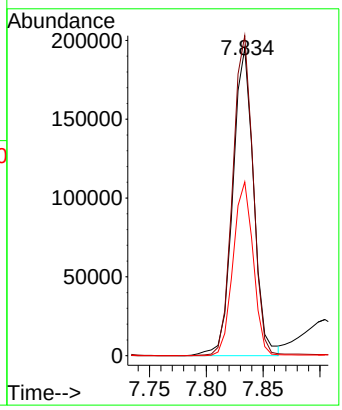




#27
2,4-Dimethylphenol
Concen: 20.696 ng
RT: 7.834 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:122 Resp: 24886

Ion	Ratio	Lower	Upper
122	100		
107	104.1	86.0	129.0
121	56.5	46.3	69.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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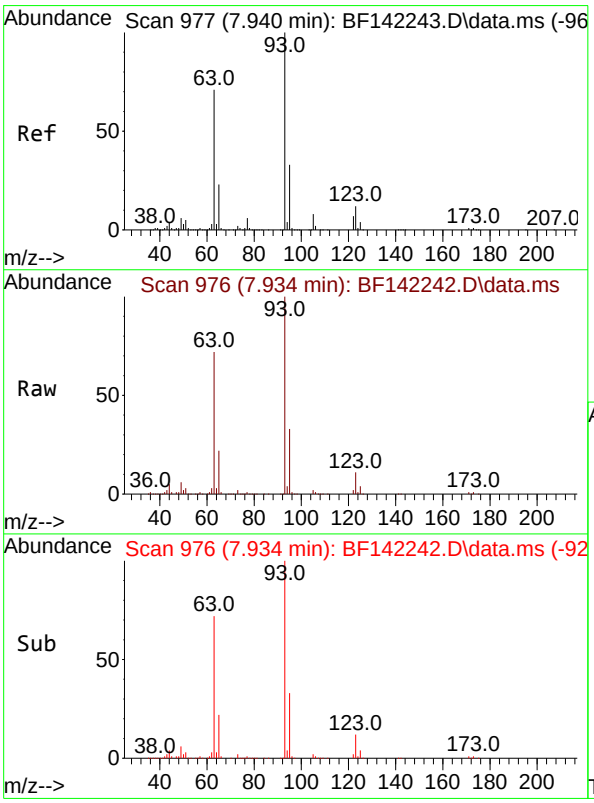
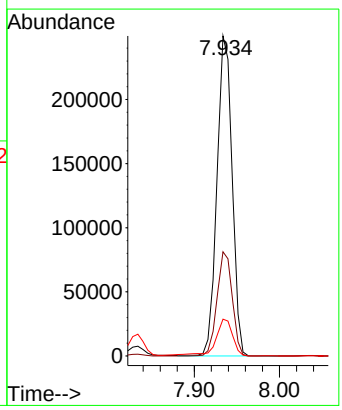
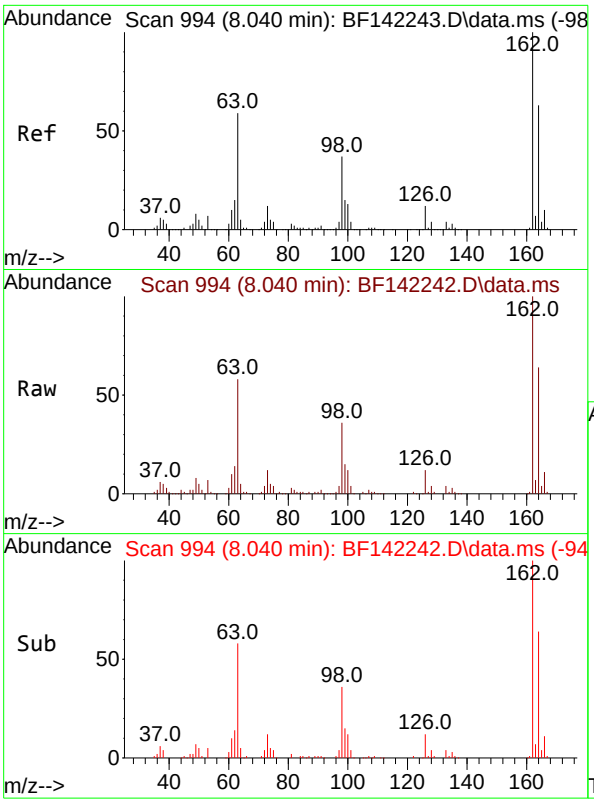


#28
bis(2-Chloroethoxy)methane
Concen: 20.549 ng
RT: 7.934 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 93 Resp: 309073

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.2
123	11.5	9.7	14.5

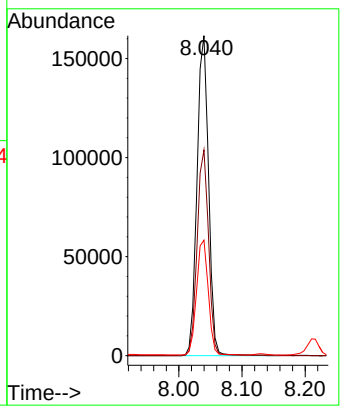




#29
2,4-Dichlorophenol
Concen: 20.374 ng
RT: 8.040 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:162 Resp: 20482

Ion	Ratio	Lower	Upper
162	100		
164	64.3	43.0	83.0
98	36.1	16.7	56.7



Instrument :
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ClientSampleId :
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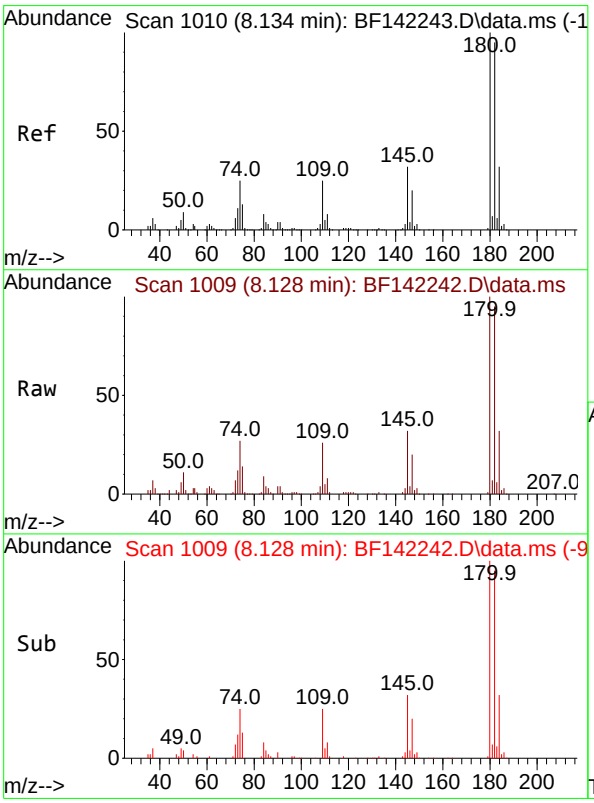
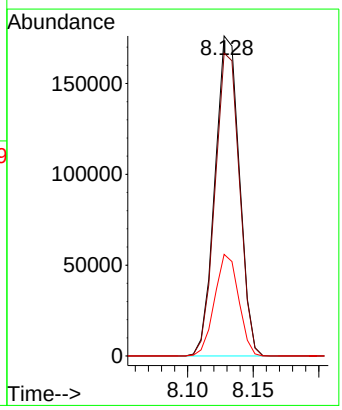
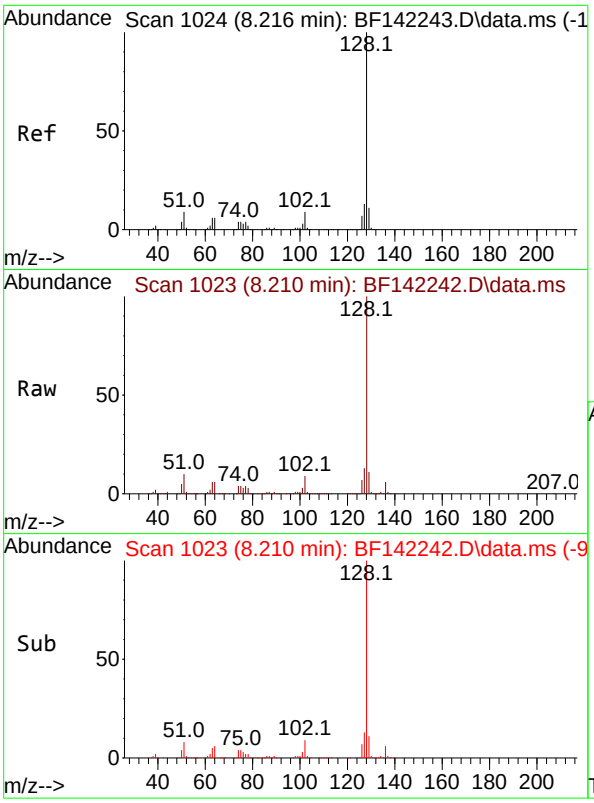


#30
1,2,4-Trichlorobenzene
Concen: 20.315 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:180 Resp: 227898

Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.7	113.5
145	31.7	25.4	38.0

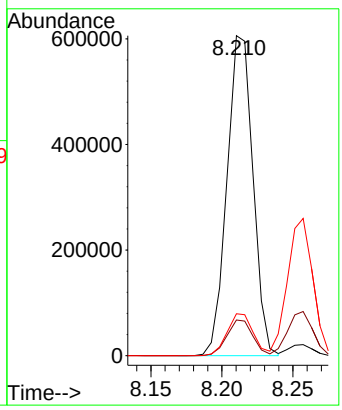




#31
Naphthalene
Concen: 20.758 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:128 Resp: 77283

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	13.1	10.6	15.8



Instrument :
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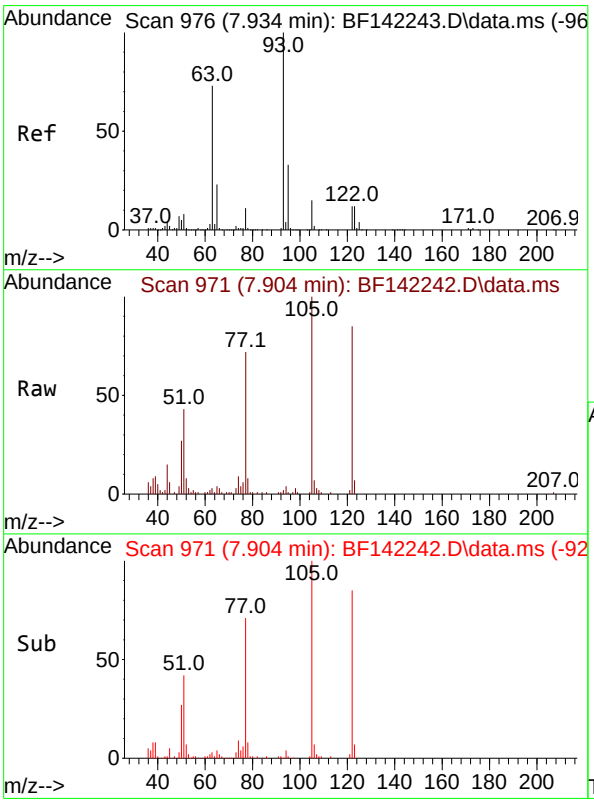
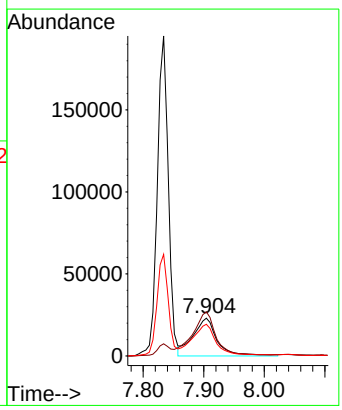
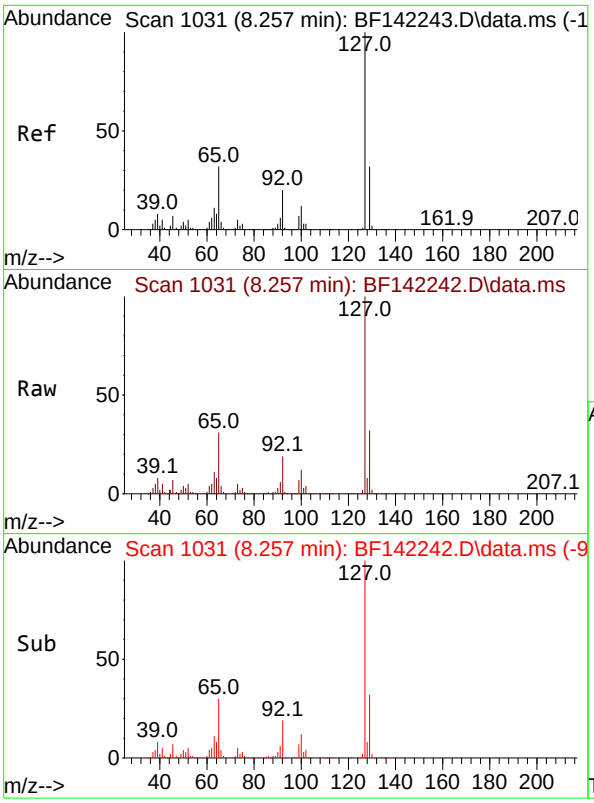


#32
Benzoic acid
Concen: 19.412 ng m
RT: 7.904 min Scan# 971
Delta R.T. -0.030 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:122 Resp: 64656

Ion	Ratio	Lower	Upper
122	100		
105	117.1	98.2	138.2
77	84.0	66.8	106.8

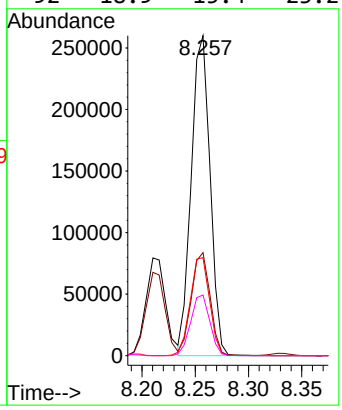




#33
4-Chloroaniline
Concen: 20.654 ng
RT: 8.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:127 Resp: 32021

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.1	39.1
65	30.7	25.5	38.3
92	18.9	15.4	23.2



Instrument :
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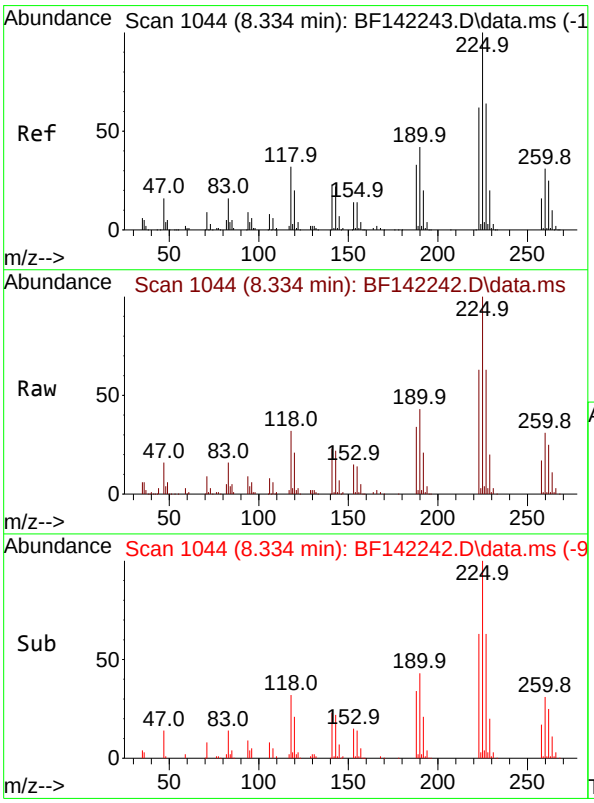
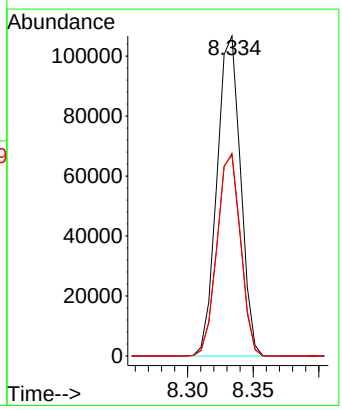
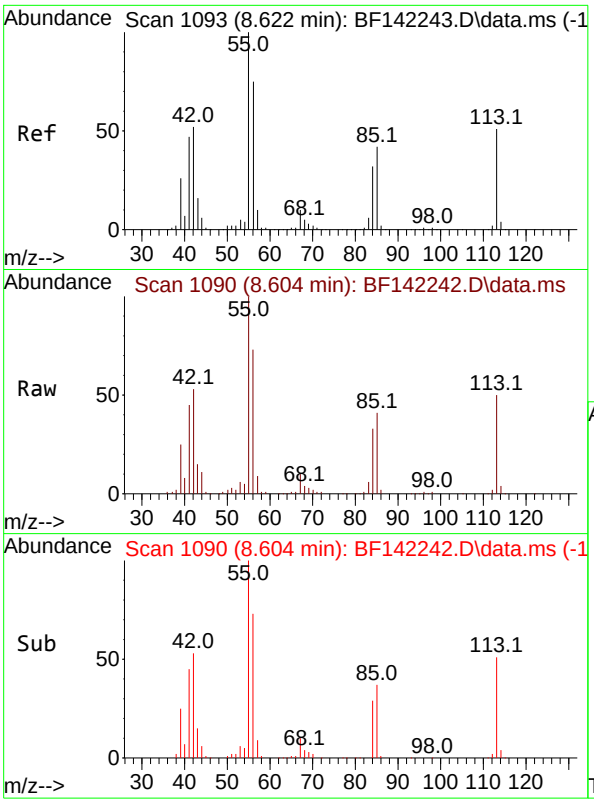


#34
Hexachlorobutadiene
Concen: 20.393 ng
RT: 8.334 min Scan# 1044
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:225 Resp: 133474

Ion	Ratio	Lower	Upper
225	100		
223	62.8	49.7	74.5
227	63.4	51.0	76.4





#35
Caprolactam
Concen: 20.118 ng
RT: 8.604 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:113 Resp: 6079

Ion	Ratio	Lower	Upper
113	100		
55	198.2	177.7	217.7
56	144.8	127.1	167.1

Instrument :
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ClientSampleId :
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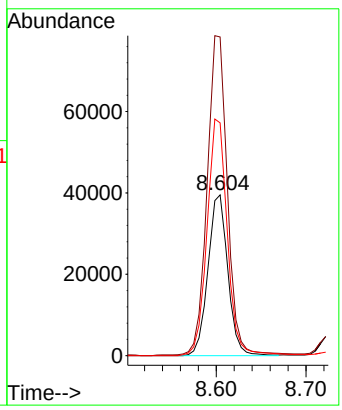
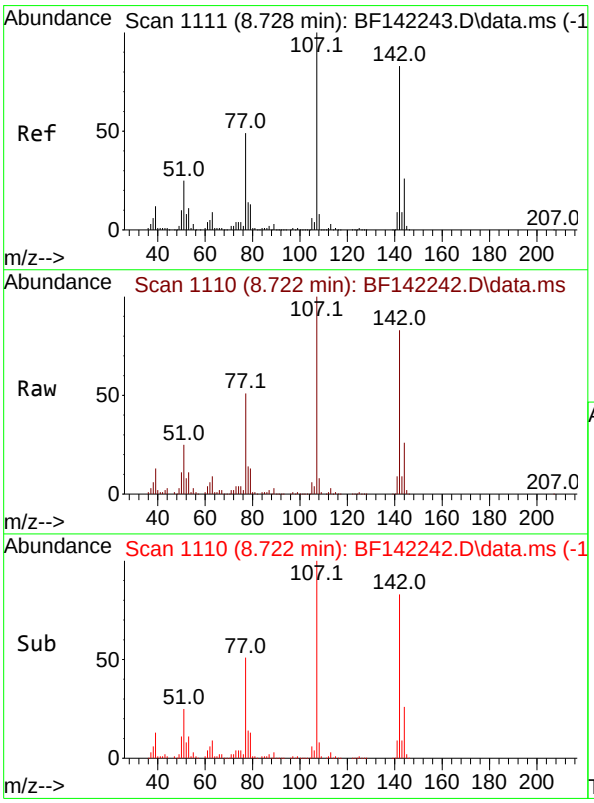
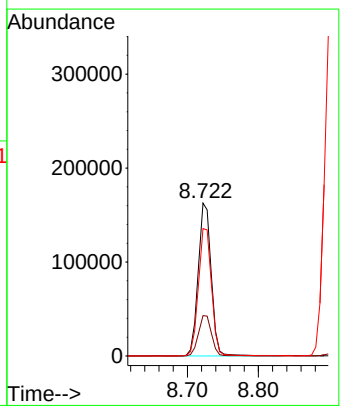


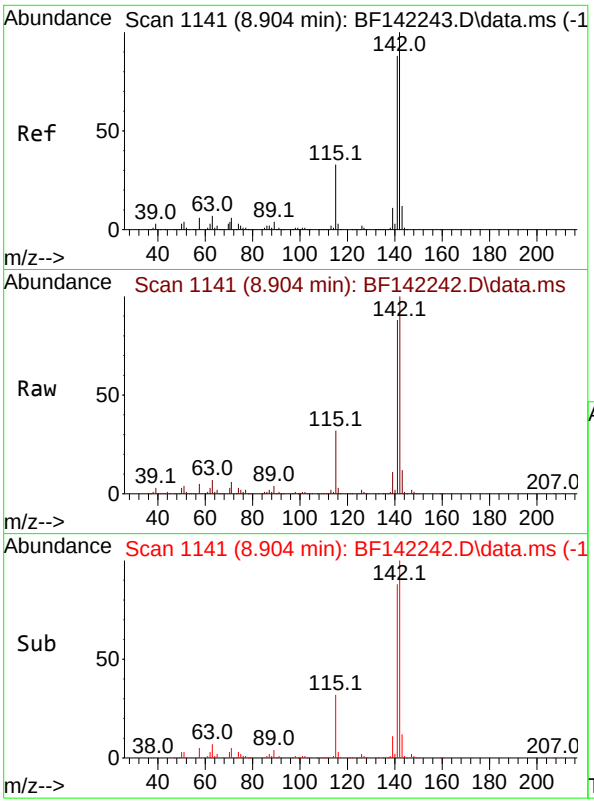


#36
4-Chloro-3-methylphenol
Concen: 20.190 ng
RT: 8.722 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:107 Resp: 208419

Ion	Ratio	Lower	Upper
107	100		
144	26.4	21.0	31.4
142	83.4	66.1	99.1

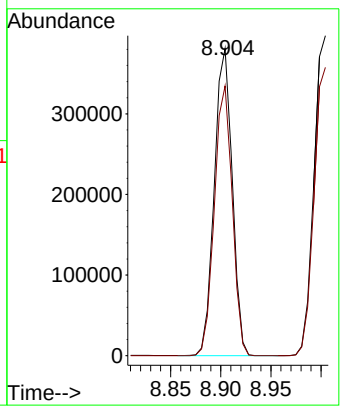




#37
2-Methylnaphthalene
Concen: 20.658 ng
RT: 8.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:142 Resp: 47289

Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.5	105.7



Instrument :
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ClientSampleId :
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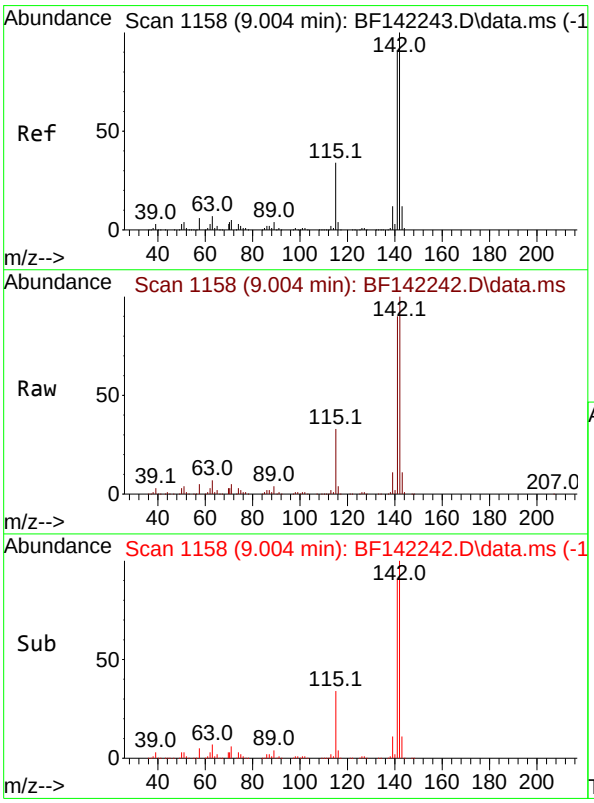
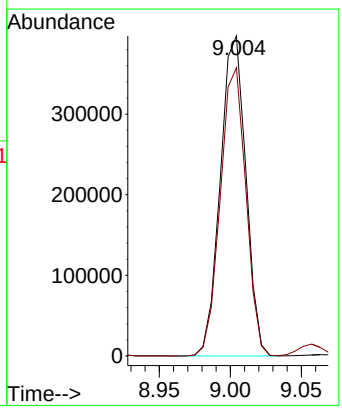
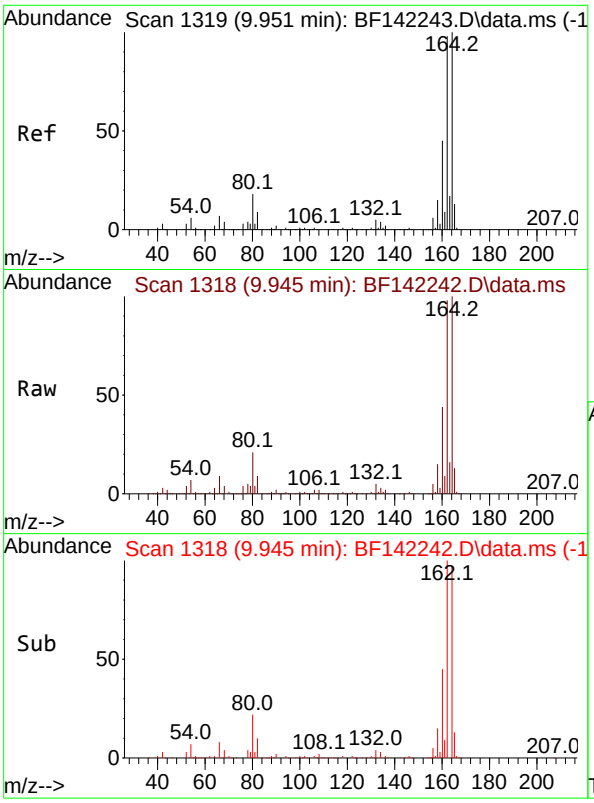


#38
1-Methylnaphthalene
Concen: 20.985 ng
RT: 9.004 min Scan# 1158
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:142 Resp: 497635

Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.8	109.2

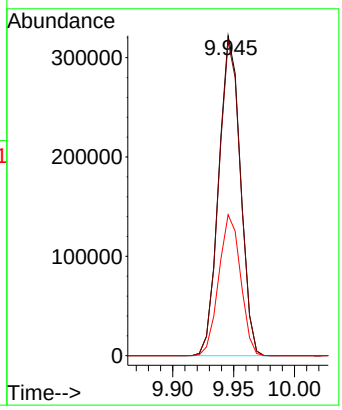




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:164 Resp: 39880

Ion	Ratio	Lower	Upper
164	100		
162	98.3	78.6	117.8
160	44.1	35.7	53.5



Instrument :
BNA_F
ClientSampleId :
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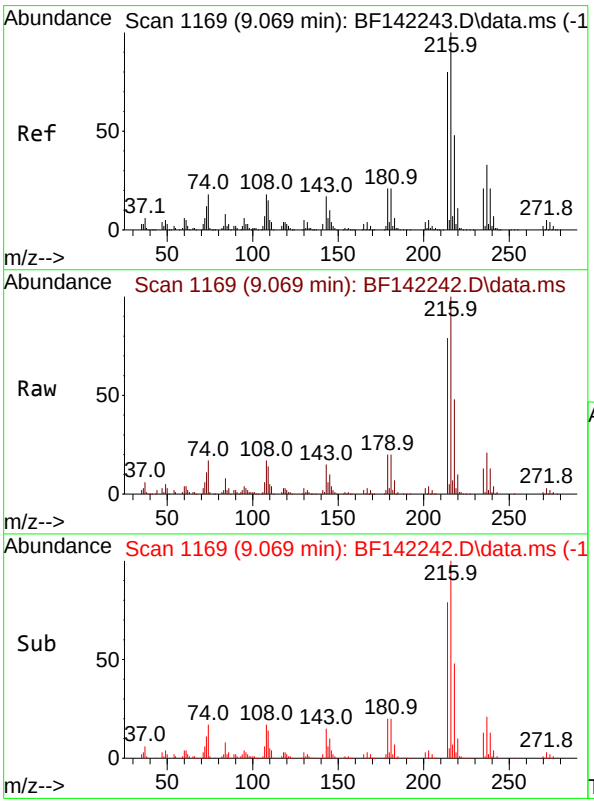
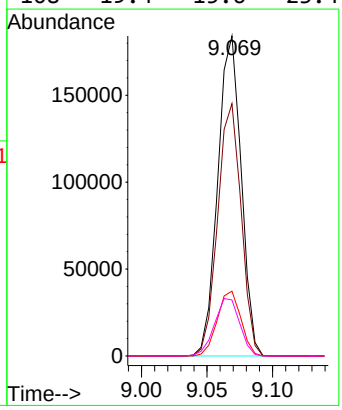
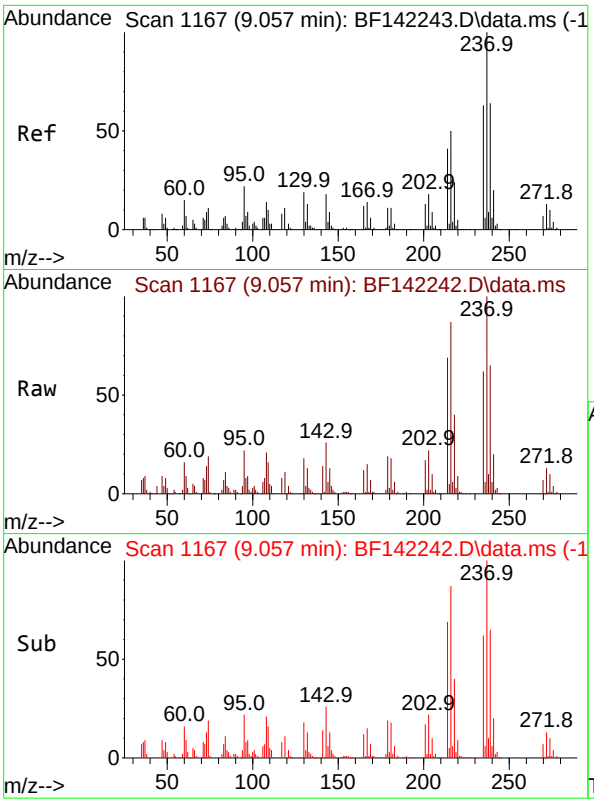


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.342 ng
RT: 9.069 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:216 Resp: 228311

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.8	95.6
179	20.5	16.7	25.1
108	19.4	15.6	23.4

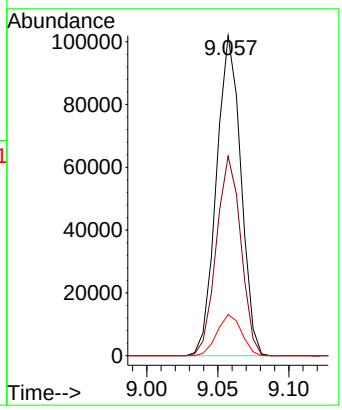




#41
Hexachlorocyclopentadiene
Concen: 19.145 ng
RT: 9.057 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:237 Resp: 12195

Ion	Ratio	Lower	Upper
237	100		
235	62.4	43.5	83.5
272	12.8	0.0	32.9



Instrument :
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ClientSampleId :
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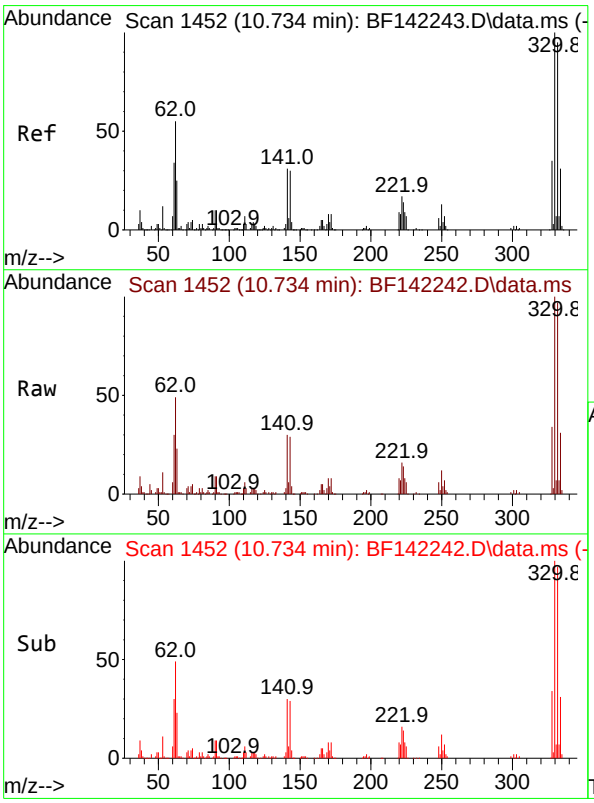
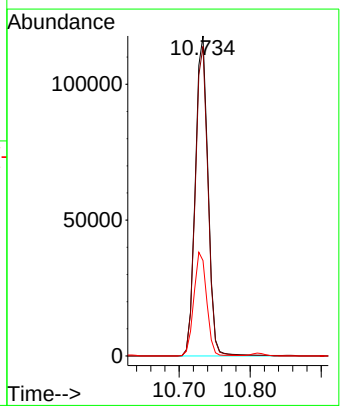
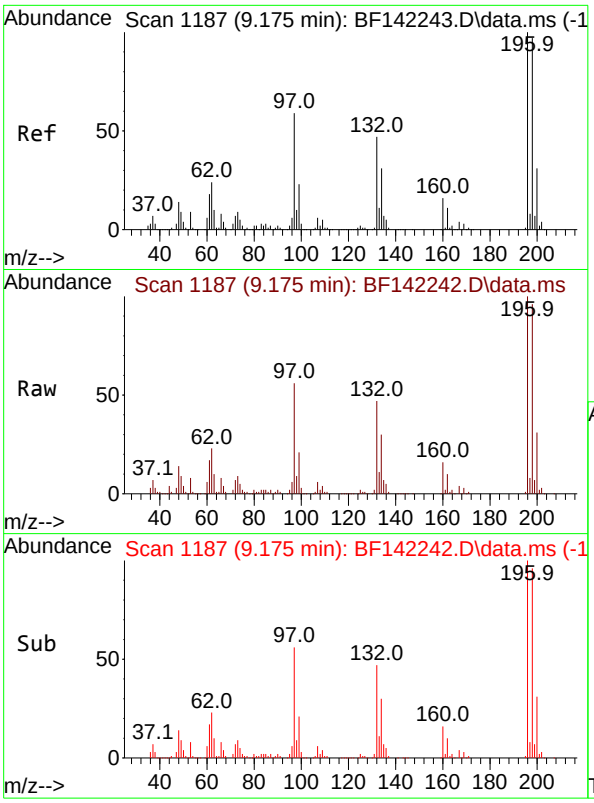


#42
2,4,6-Tribromophenol
Concen: 40.372 ng
RT: 10.734 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:330 Resp: 146779

Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.5	114.7
141	32.8	24.3	36.5

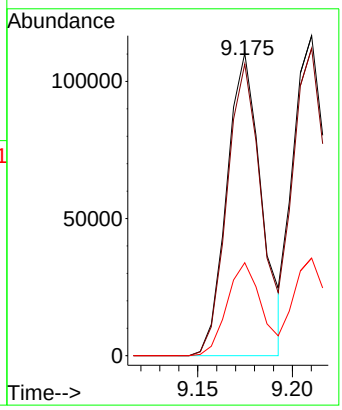




#43
2,4,6-Trichlorophenol
Concen: 20.246 ng
RT: 9.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:196 Resp: 14080

Ion	Ratio	Lower	Upper
196	100		
198	96.4	77.4	116.2
200	30.7	24.6	37.0



Instrument :
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ClientSampleId :
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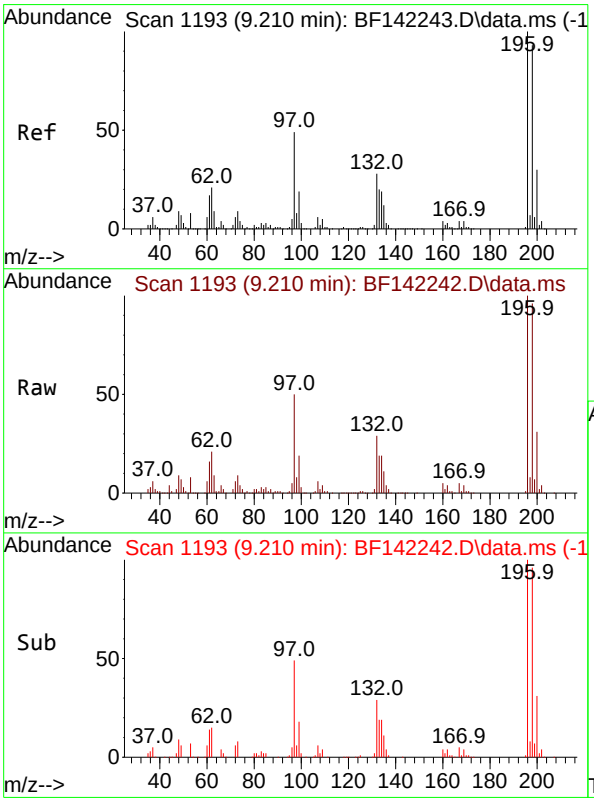
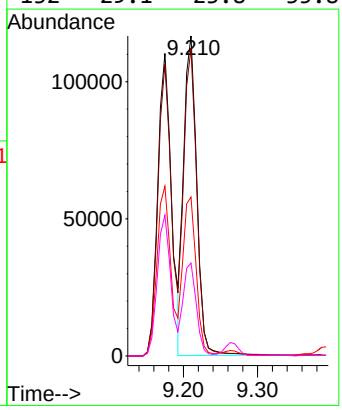
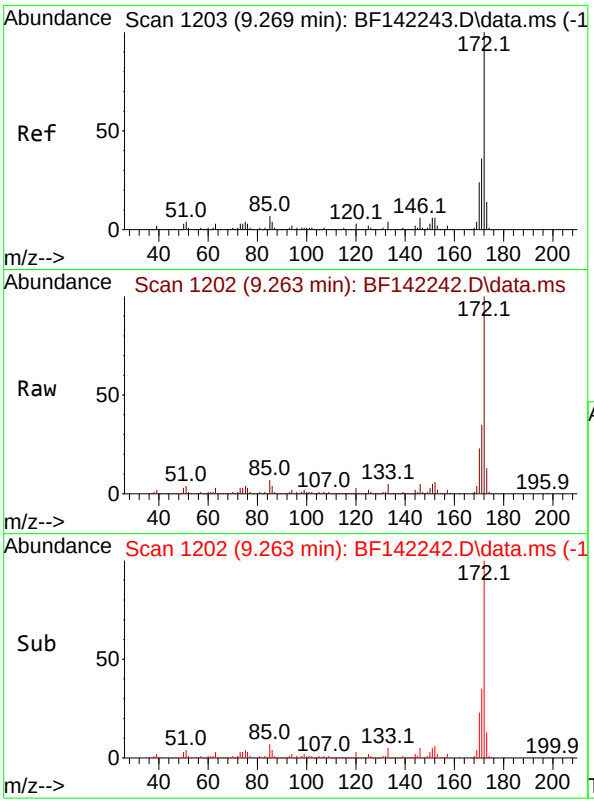


#44
2,4,5-Trichlorophenol
Concen: 19.756 ng
RT: 9.210 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:196 Resp: 144462

Ion	Ratio	Lower	Upper
196	100		
198	96.1	75.2	112.8
97	49.7	39.8	59.8
132	29.1	23.8	35.8

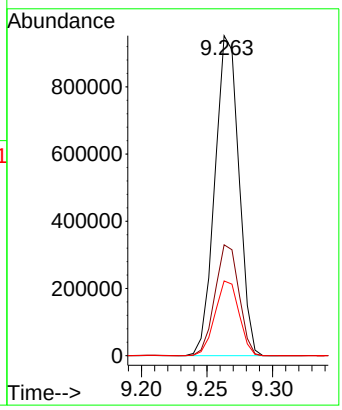




#45
2-Fluorobiphenyl
Concen: 42.876 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:172 Resp: 121274

Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.0	43.4
170	23.3	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
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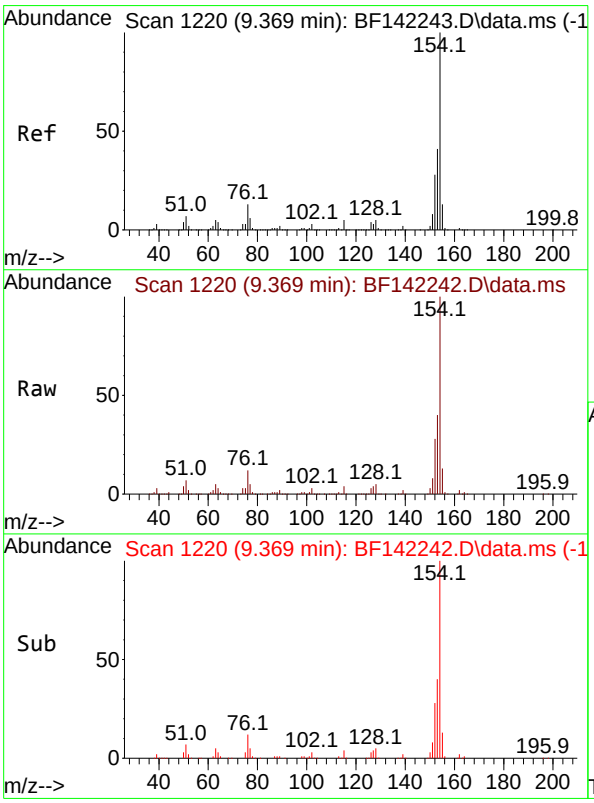
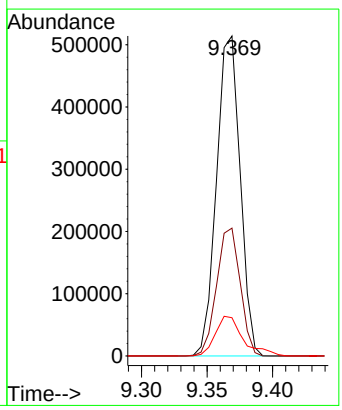
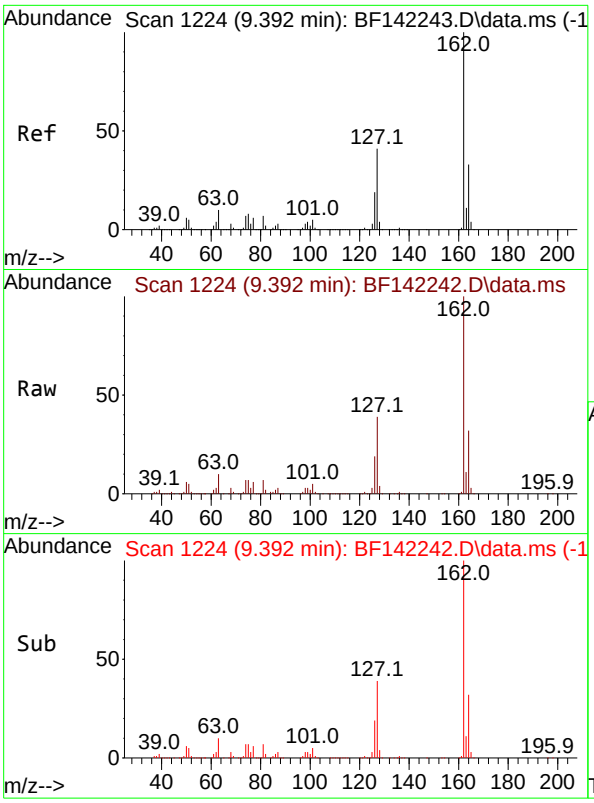


#46
1,1'-Biphenyl
Concen: 20.740 ng
RT: 9.369 min Scan# 1220
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:154 Resp: 643017

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.5	60.5
76	12.0	0.0	32.8

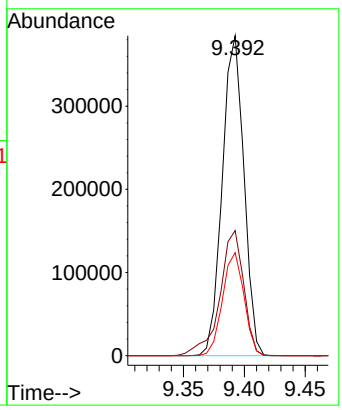




#47
2-Chloronaphthalene
Concen: 20.588 ng
RT: 9.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:162 Resp: 474899

Ion	Ratio	Lower	Upper
162	100		
127	39.1	32.6	49.0
164	32.2	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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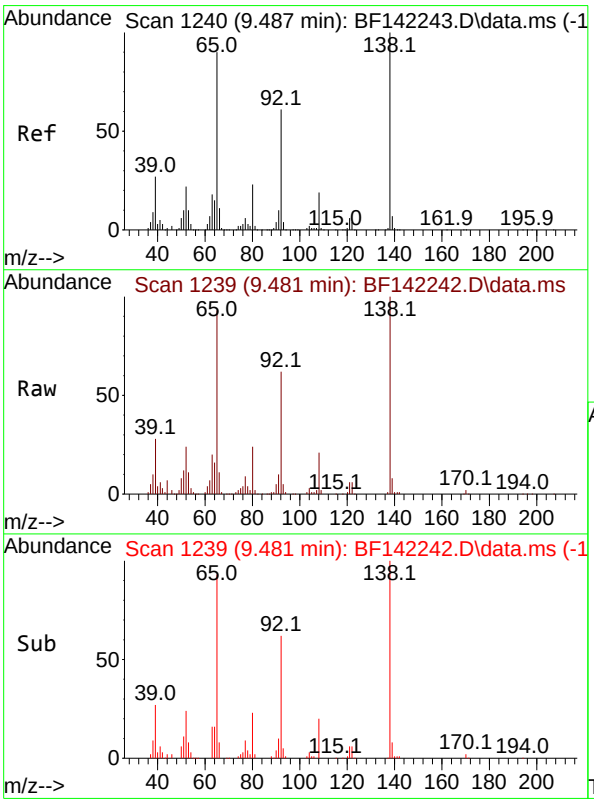
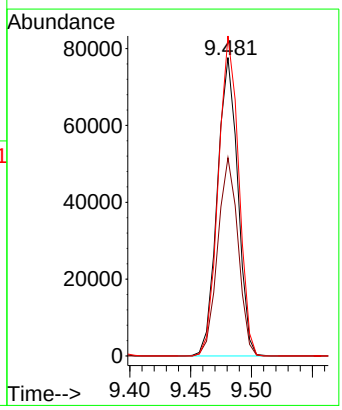
Supervised By :Jagrut Upadhyay 05/01/2025

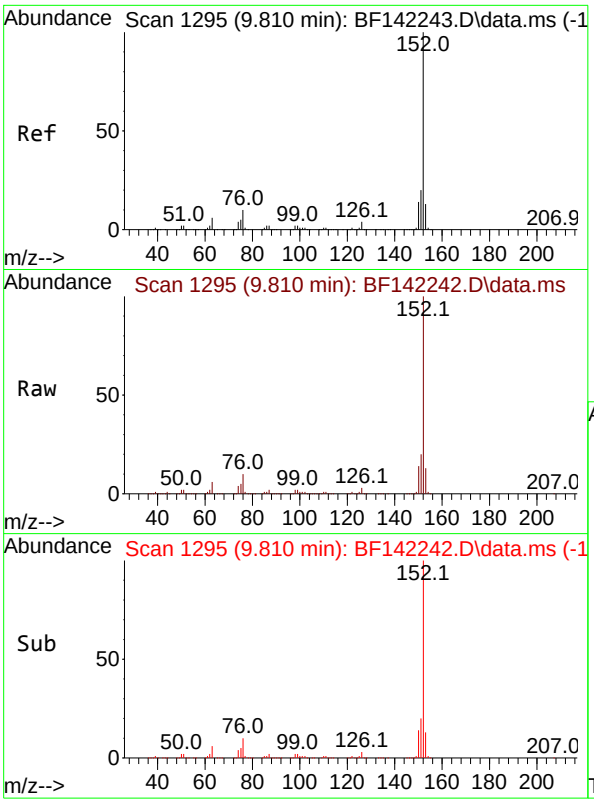


#48
2-Nitroaniline
Concen: 18.213 ng
RT: 9.481 min Scan# 1239
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 65 Resp: 90798

Ion	Ratio	Lower	Upper
65	100		
92	66.4	54.3	81.5
138	107.2	88.6	133.0

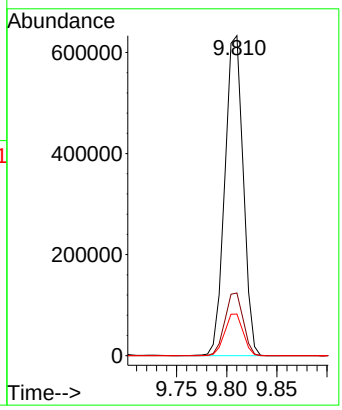




#49
Acenaphthylene
Concen: 20.749 ng
RT: 9.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:152 Resp: 80765

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.2	24.2
153	13.0	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
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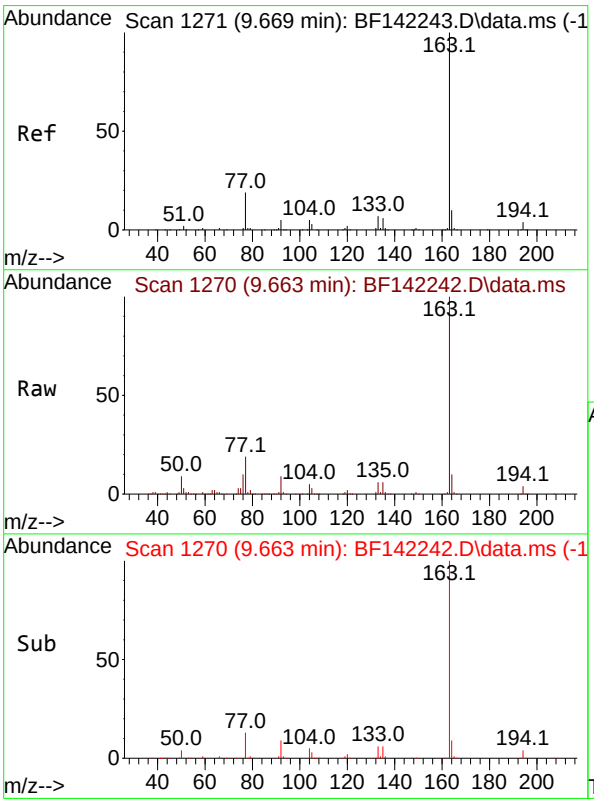
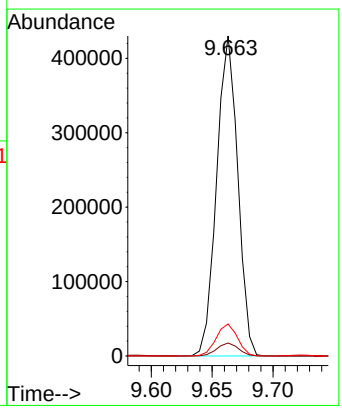
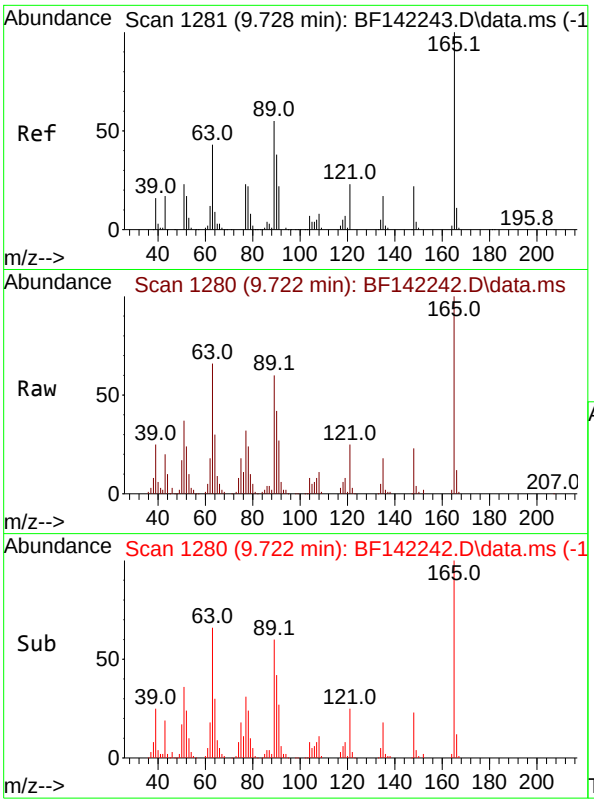


#50
Dimethylphthalate
Concen: 20.334 ng
RT: 9.663 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:163 Resp: 518802

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.0	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 18.432 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:165 Resp: 7695

Ion	Ratio	Lower	Upper
165	100		
63	66.2	48.5	72.7
89	59.6	43.9	65.9

Instrument :
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ClientSampleId :
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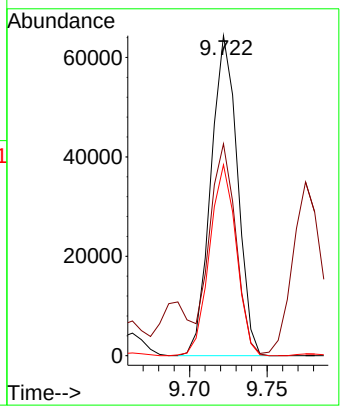
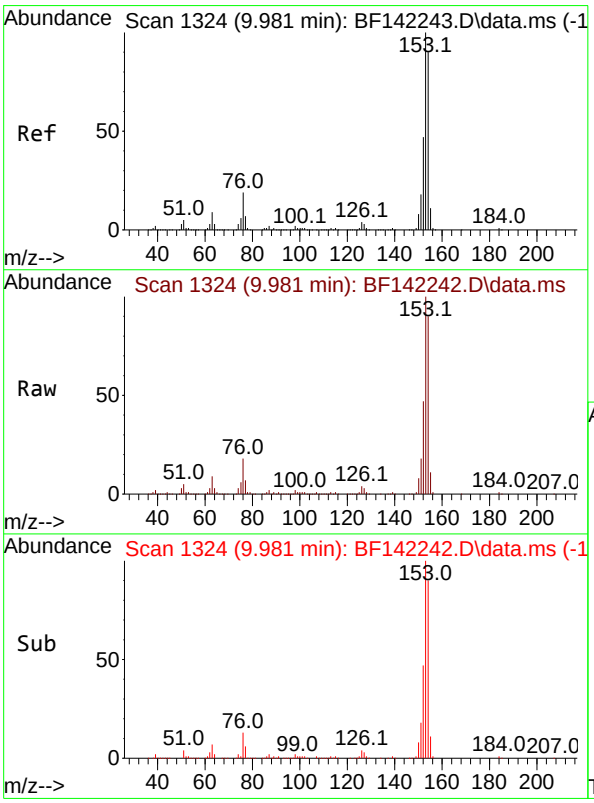
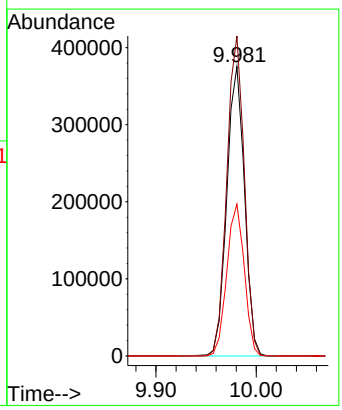


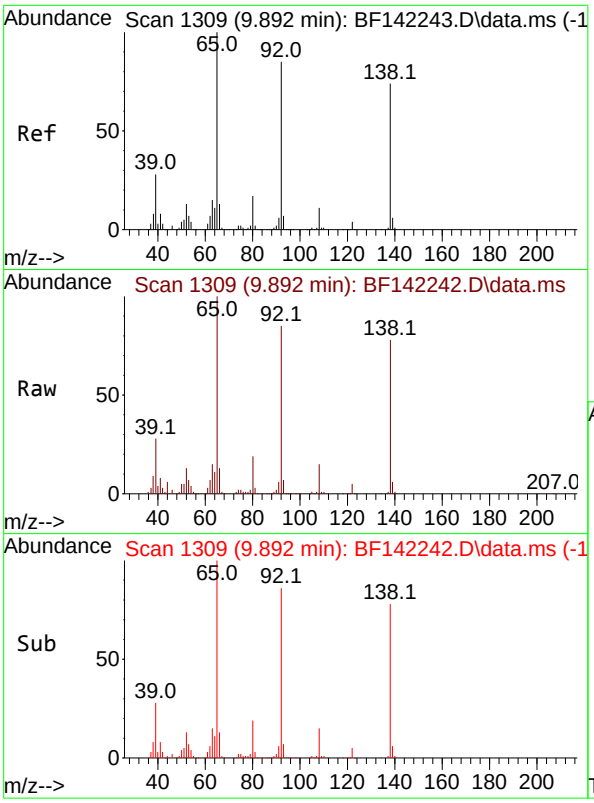


#52
Acenaphthene
Concen: 20.281 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:154 Resp: 460927

Ion	Ratio	Lower	Upper
154	100		
153	110.6	88.6	133.0
152	52.4	42.1	63.1





#53
3-Nitroaniline
Concen: 18.959 ng
RT: 9.892 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:138 Resp: 10056

Ion	Ratio	Lower	Upper
138	100		
108	19.4	11.7	17.5#
92	110.1	91.2	136.8

Instrument :
BNA_F
ClientSampleId :
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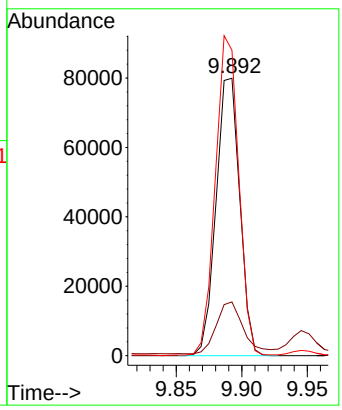
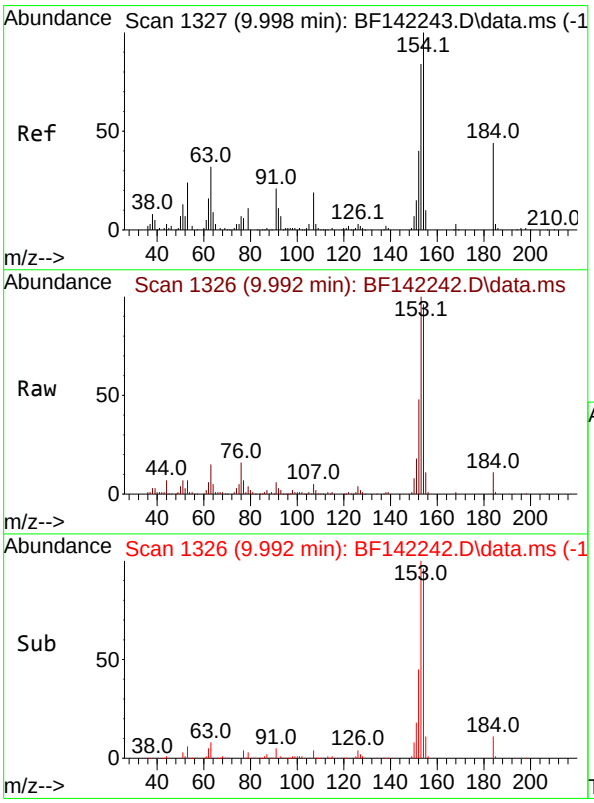
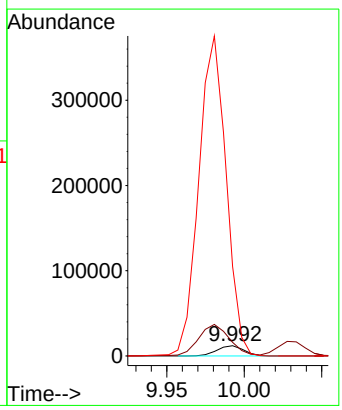


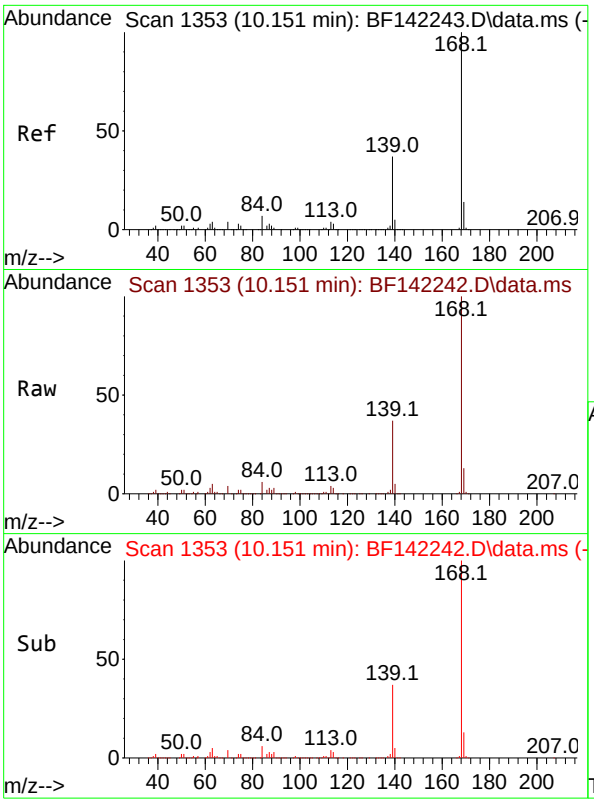


#54
2,4-Dinitrophenol
Concen: 18.804 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:184 Resp: 14553

Ion	Ratio	Lower	Upper
184	100		
63	131.7	69.2	103.8#
154	869.6	271.4	407.2#

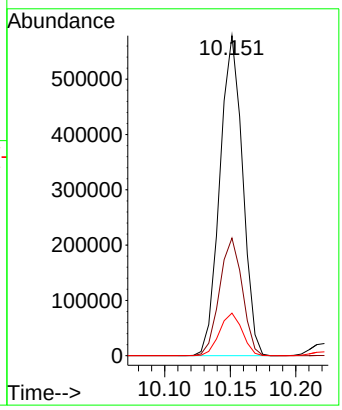




#55
Dibenzofuran
Concen: 20.493 ng
RT: 10.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:168 Resp: 69815

Ion	Ratio	Lower	Upper
168	100		
139	36.8	29.4	44.0
169	13.3	11.0	16.4



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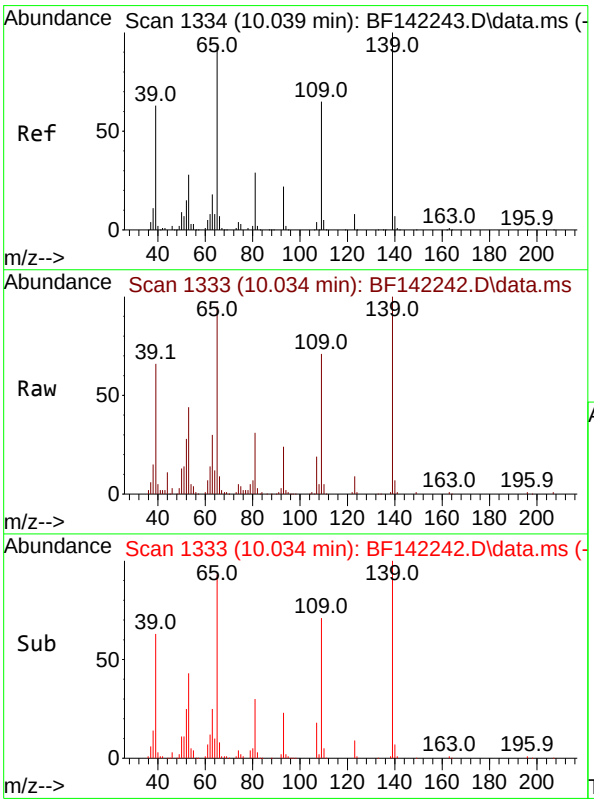
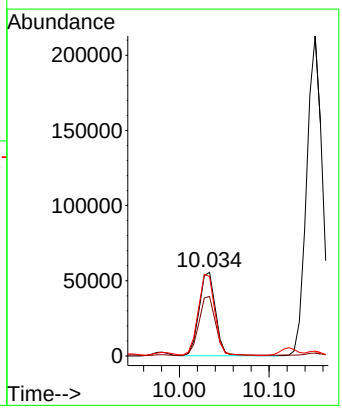
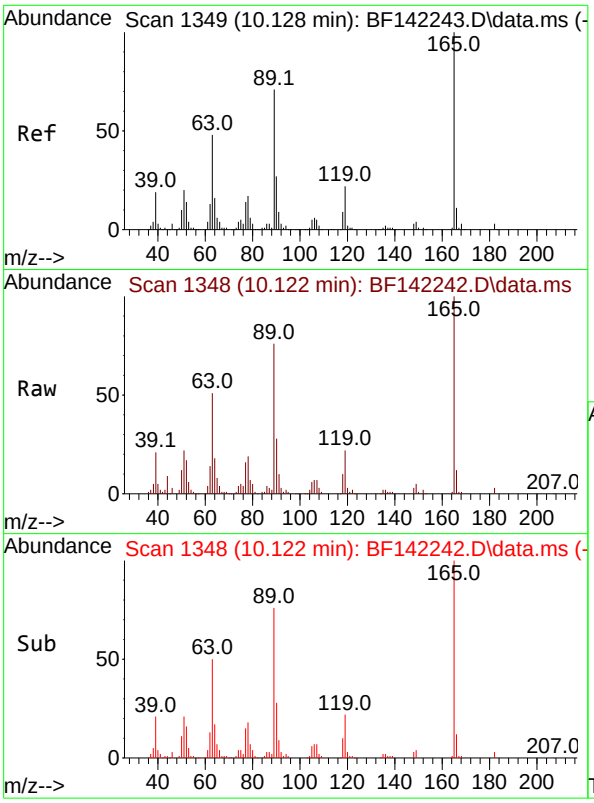


#56
4-Nitrophenol
Concen: 17.561 ng
RT: 10.034 min Scan# 1333
Delta R.T. -0.005 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:139 Resp: 70423

Ion	Ratio	Lower	Upper
139	100		
109	71.2	44.9	84.9
65	94.8	74.7	114.7

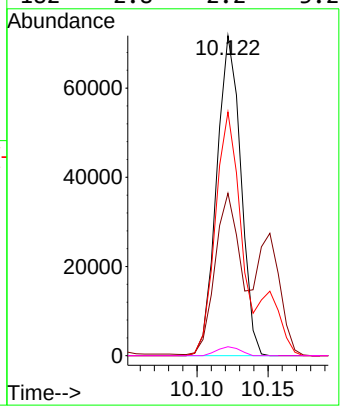




#57
2,4-Dinitrotoluene
Concen: 17.844 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:165 Resp: 8481

Ion	Ratio	Lower	Upper
165	100		
63	50.7	38.8	58.2
89	76.2	57.1	85.7
182	2.8	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
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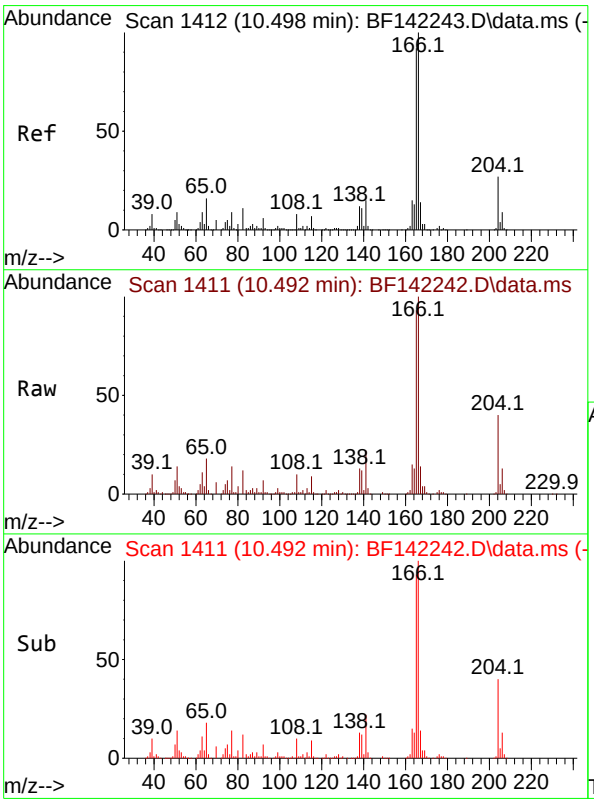
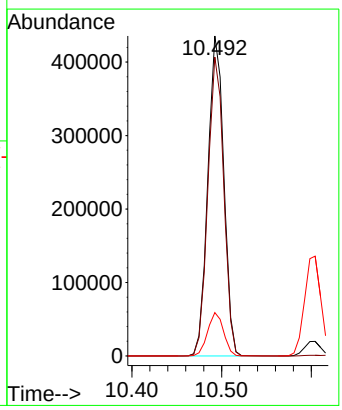
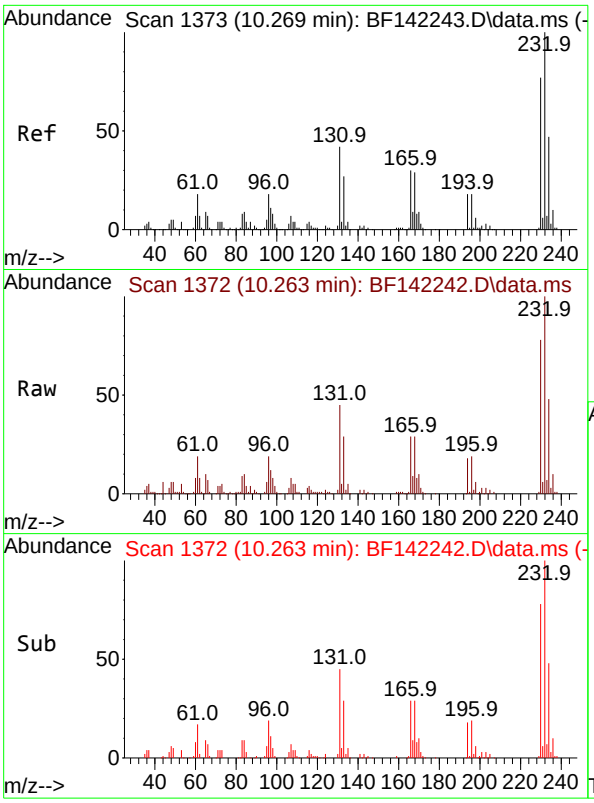


#58
Fluorene
Concen: 20.793 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:166 Resp: 538647

Ion	Ratio	Lower	Upper
166	100		
165	93.4	73.9	110.9
167	13.6	10.8	16.2

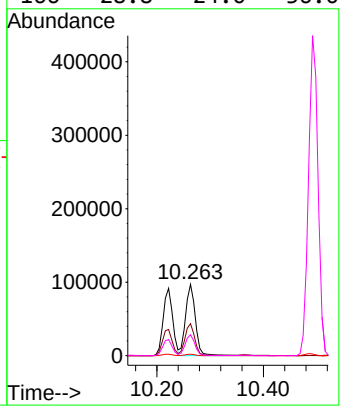




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.530 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:232 Resp: 12435

Ion	Ratio	Lower	Upper
232	100		
131	45.0	35.9	53.9
130	2.1	1.8	2.6
166	28.8	24.0	36.0



Instrument :
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ClientSampleId :
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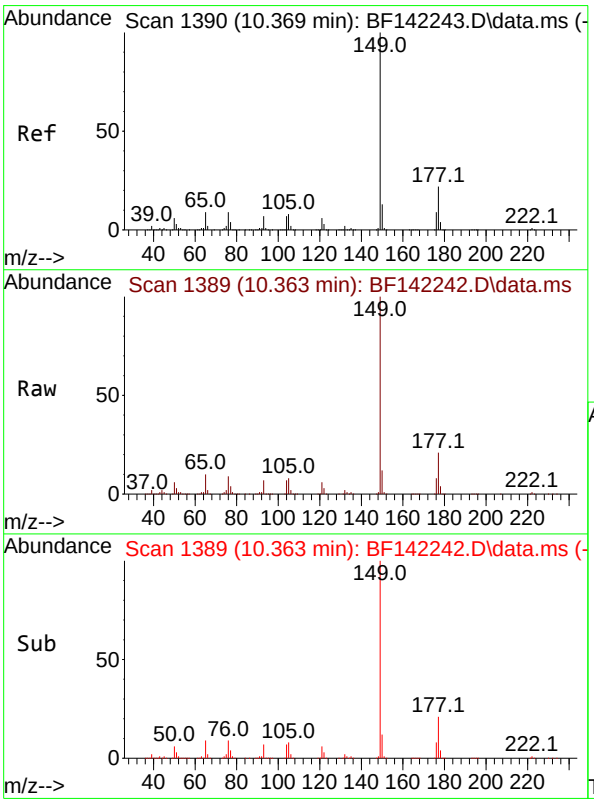
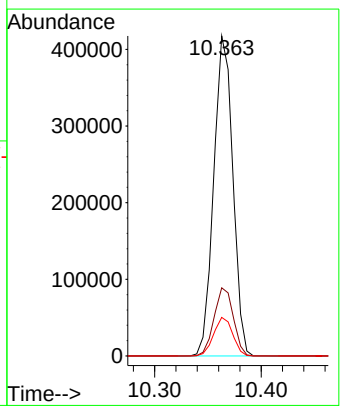
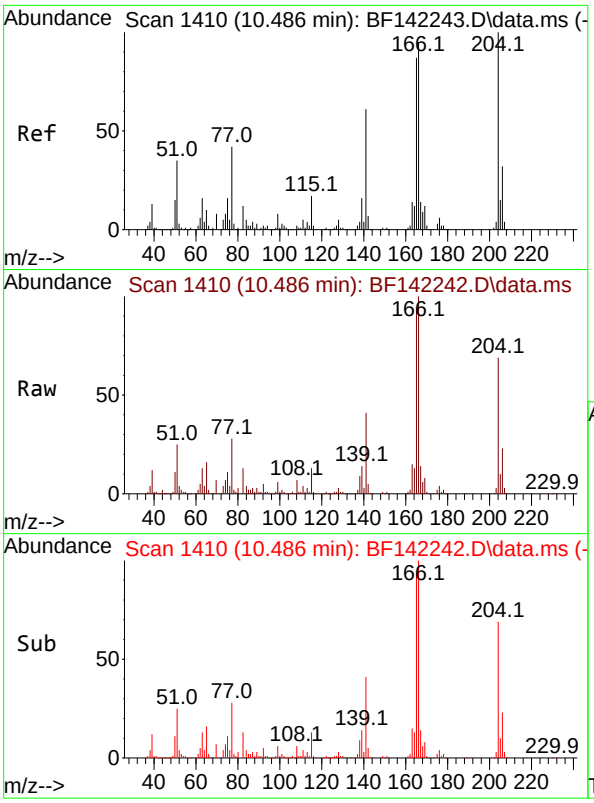


#60
Diethylphthalate
Concen: 20.611 ng
RT: 10.363 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:149 Resp: 519294

Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.6	26.4
150	12.0	10.2	15.2





#61
4-Chlorophenyl-phenylether
Concen: 20.502 ng
RT: 10.486 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:204 Resp: 25221

Ion	Ratio	Lower	Upper
204	100		
206	33.0	25.6	38.4
141	60.1	48.9	73.3

Instrument :
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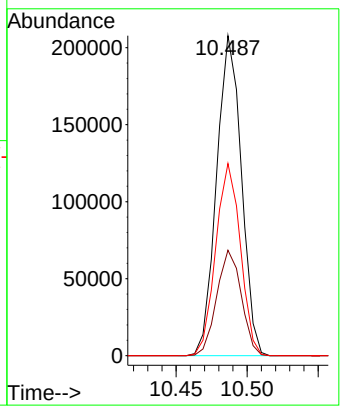
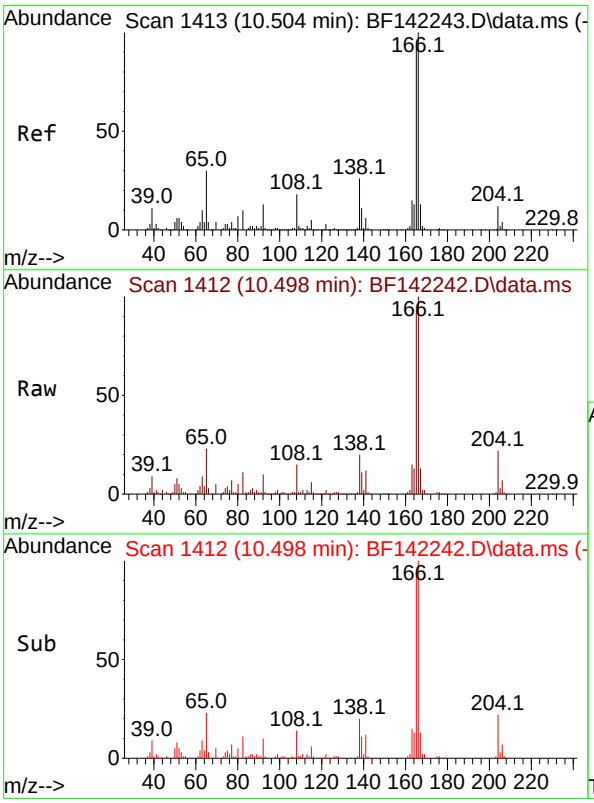
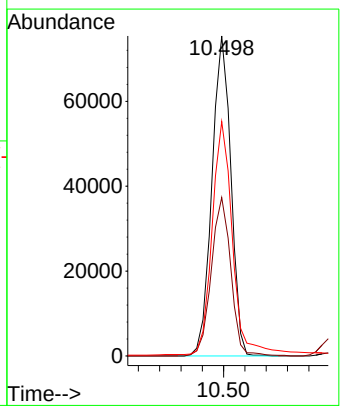


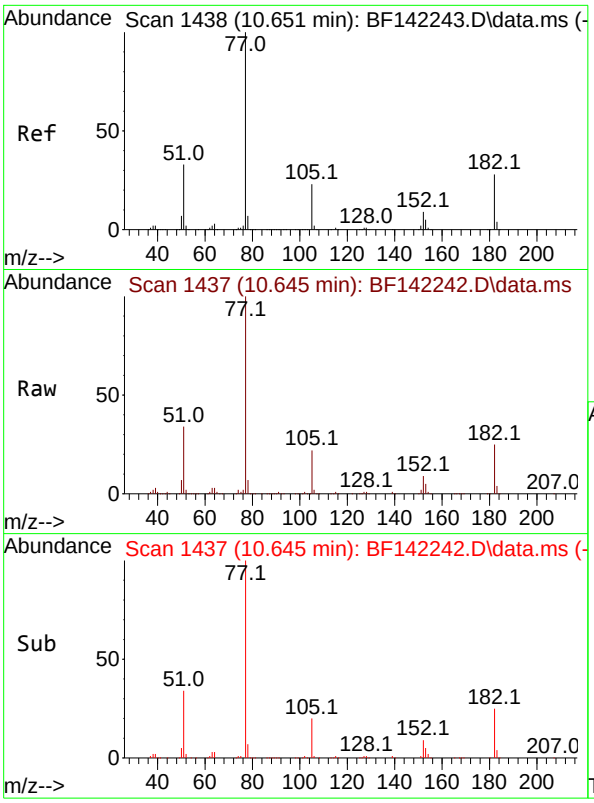


#62
4-Nitroaniline
Concen: 18.933 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:138 Resp: 92884

Ion	Ratio	Lower	Upper
138	100		
92	49.5	29.2	69.2
108	73.2	49.1	89.1

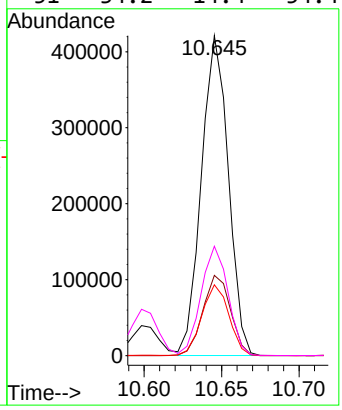




#63
Azobenzene
Concen: 20.438 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 77 Resp: 50848

Ion	Ratio	Lower	Upper
77	100		
182	25.1	7.3	47.3
105	22.2	2.5	42.5
51	34.2	14.4	54.4



Instrument :
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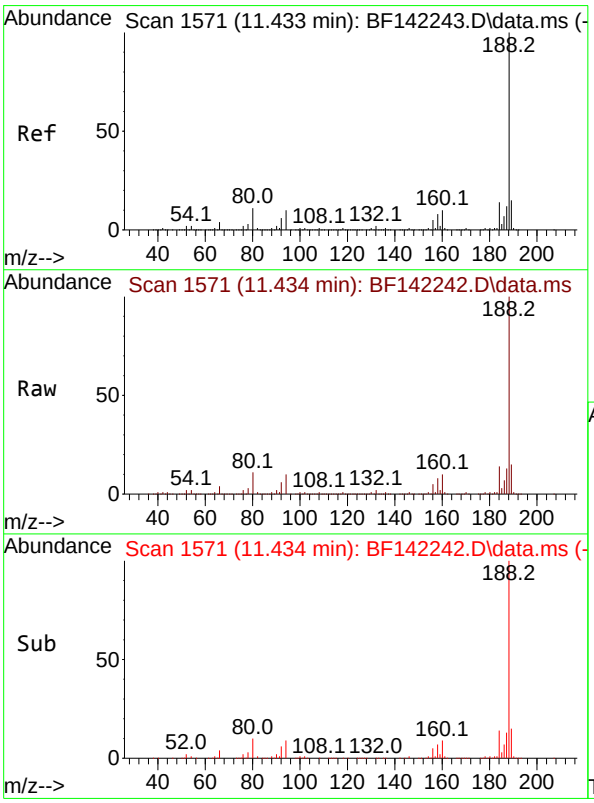
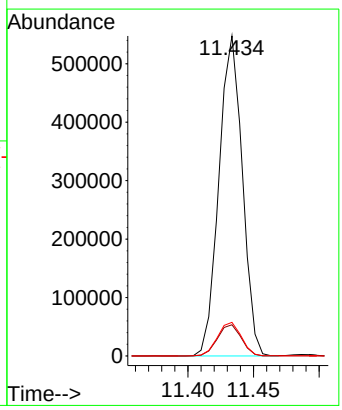
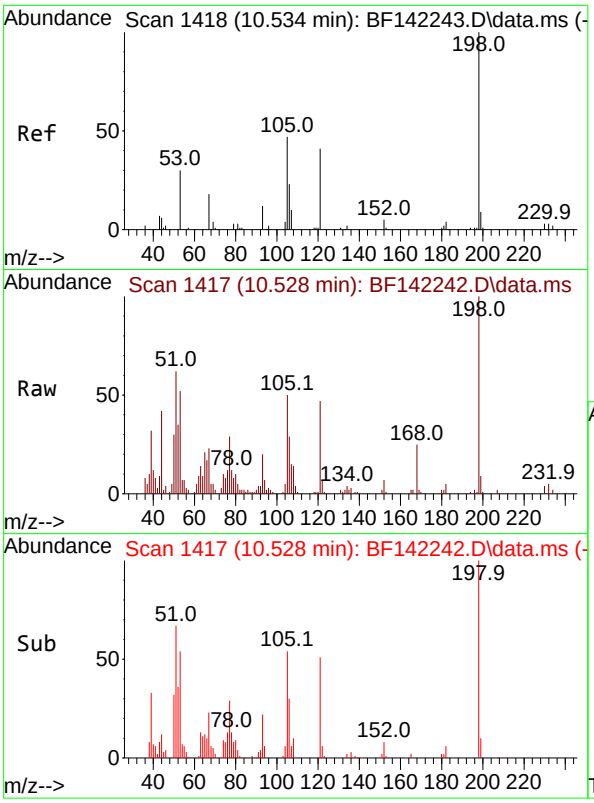


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.434 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:188 Resp: 679379

Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.2	12.2
80	10.5	8.6	12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 18.756 ng
RT: 10.528 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:198 Resp: 2340

Ion	Ratio	Lower	Upper
198	100		
51	62.5	40.6	80.6
105	50.4	29.2	69.2

Instrument :
BNA_F
ClientSampleId :
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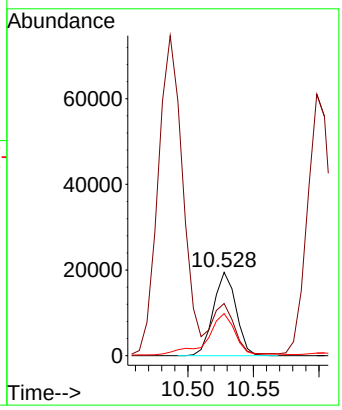
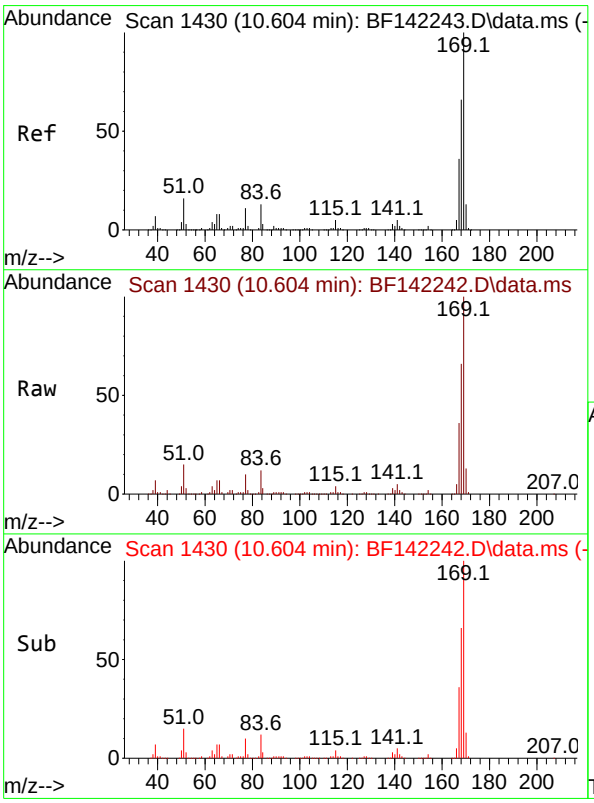
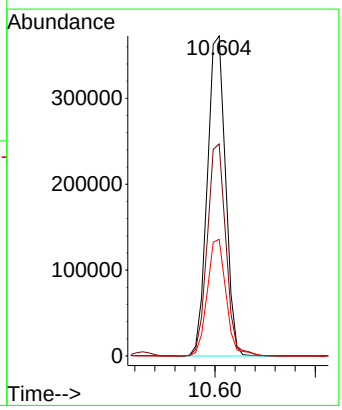


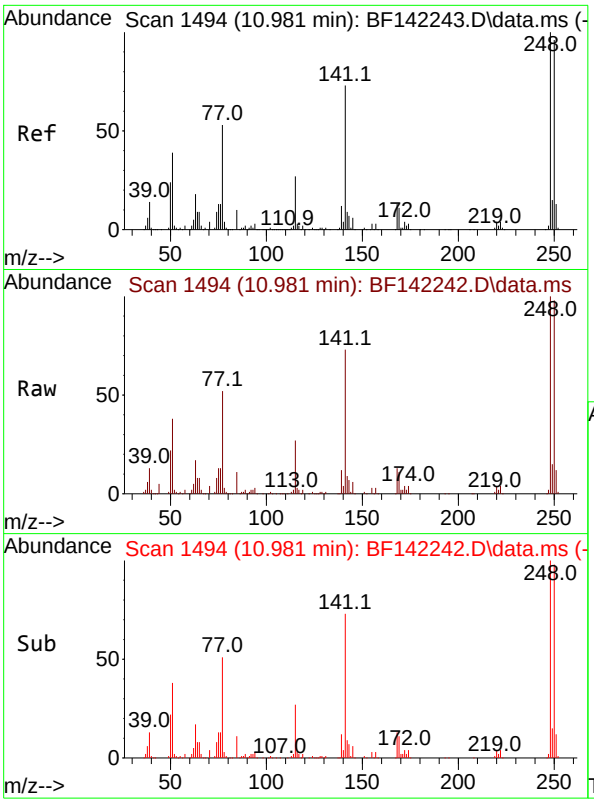


#66
n-Nitrosodiphenylamine
Concen: 20.280 ng
RT: 10.604 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:169 Resp: 470767

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.6
167	36.4	28.8	43.2

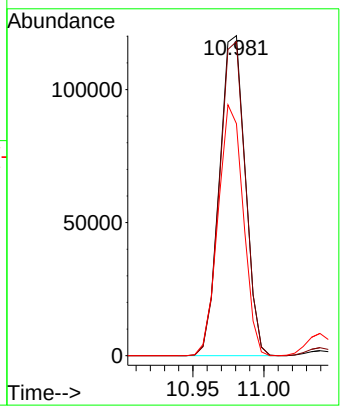




#67
4-Bromophenyl-phenylether
Concen: 20.053 ng
RT: 10.981 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:248 Resp: 15172

Ion	Ratio	Lower	Upper
248	100		
250	98.1	77.2	115.8
141	72.5	58.4	87.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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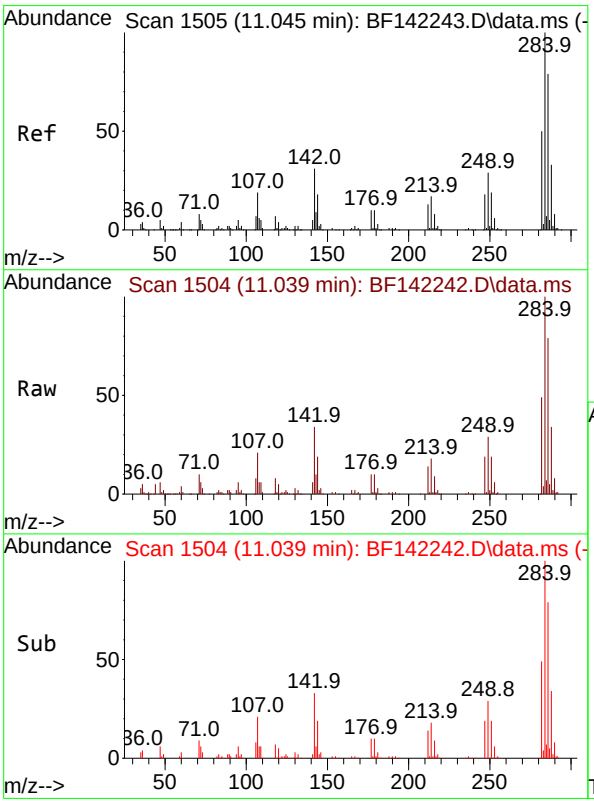
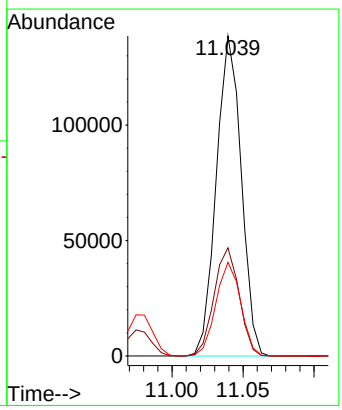
Supervised By :Jagrut Upadhyay 05/01/2025

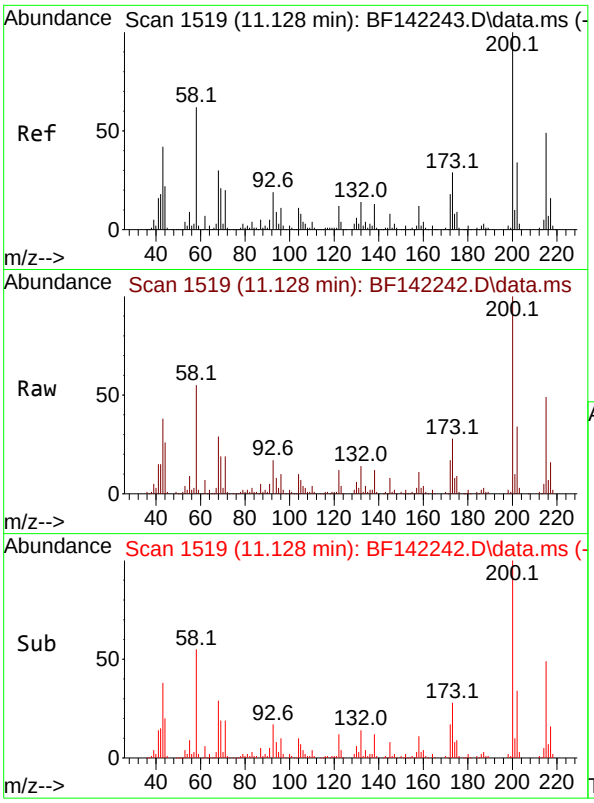


#68
Hexachlorobenzene
Concen: 19.916 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:284 Resp: 168767

Ion	Ratio	Lower	Upper
284	100		
142	33.8	24.6	37.0
249	29.3	23.2	34.8

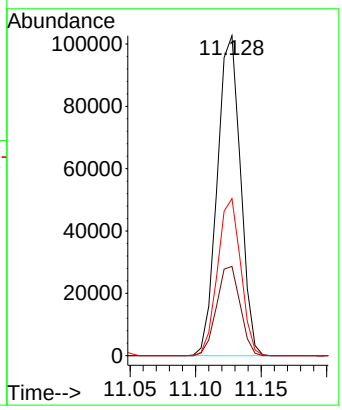




#69
Atrazine
Concen: 20.665 ng
RT: 11.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:200 Resp: 12644

Ion	Ratio	Lower	Upper
200	100		
173	27.9	8.6	48.6
215	49.1	28.5	68.5



Instrument :
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ClientSampleId :
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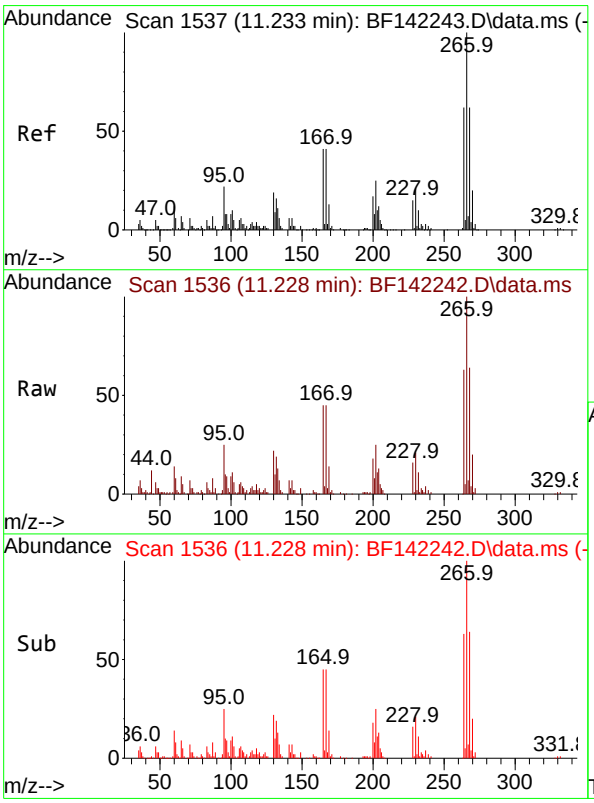
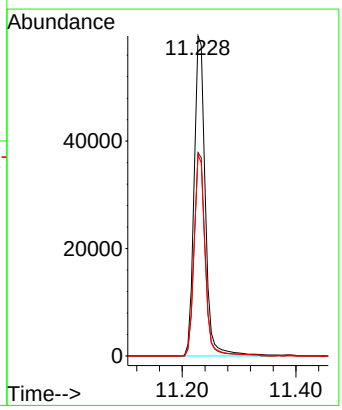
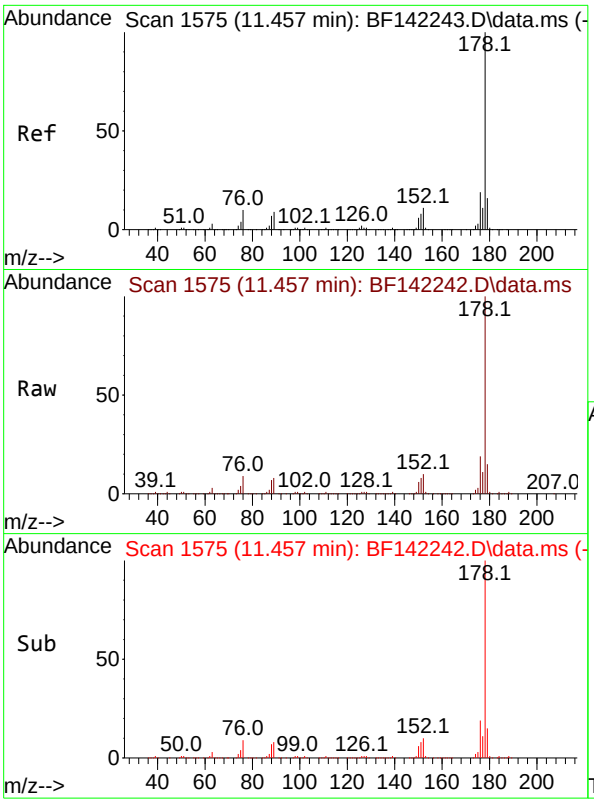


#70
Pentachlorophenol
Concen: 18.301 ng
RT: 11.228 min Scan# 1536
Delta R.T. -0.005 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:266 Resp: 81929

Ion	Ratio	Lower	Upper
266	100		
268	63.6	50.0	75.0
264	62.8	49.3	73.9

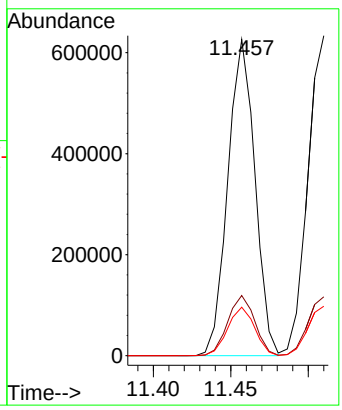




#71
Phenanthrene
Concen: 20.723 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:178 Resp: 76047

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.3	12.6	19.0



Instrument :
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ClientSampleId :
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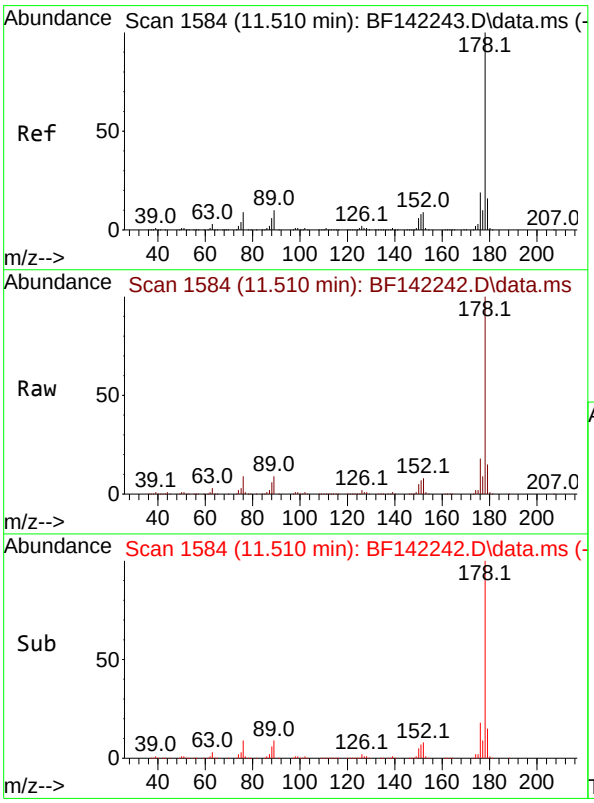
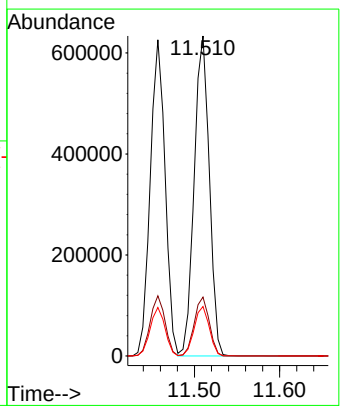
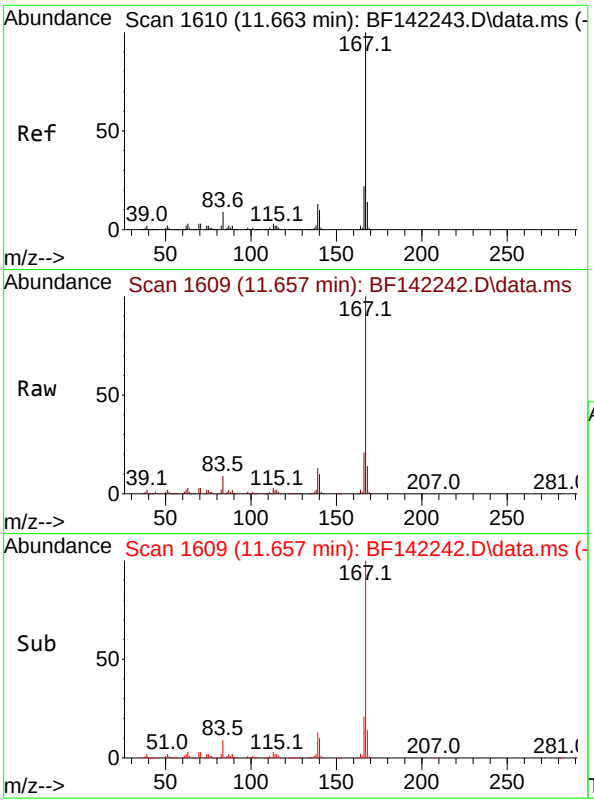


#72
Anthracene
Concen: 20.848 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:178 Resp: 782215

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.3	22.9
179	15.5	12.7	19.1

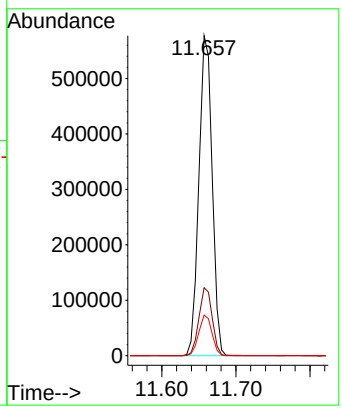




#73
Carbazole
Concen: 21.059 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:167 Resp: 72077

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.3	25.9
139	12.7	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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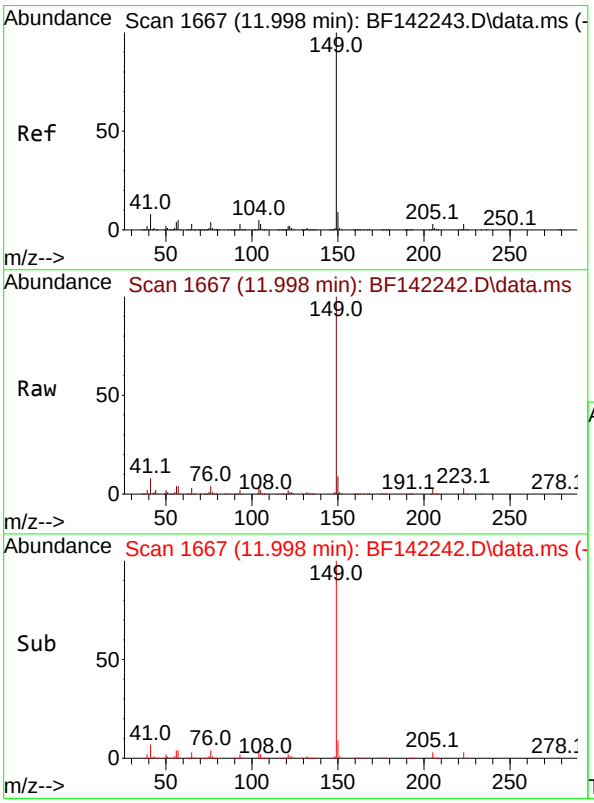
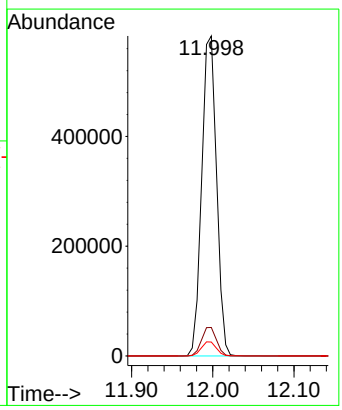
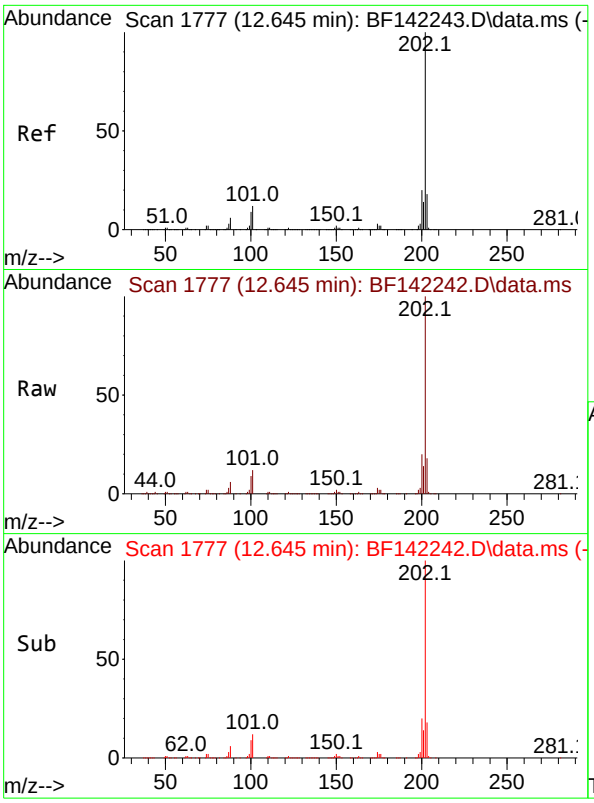


#74
Di-n-butylphthalate
Concen: 21.469 ng
RT: 11.998 min Scan# 1667
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:149 Resp: 739011

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.5	11.3
104	4.3	3.6	5.4

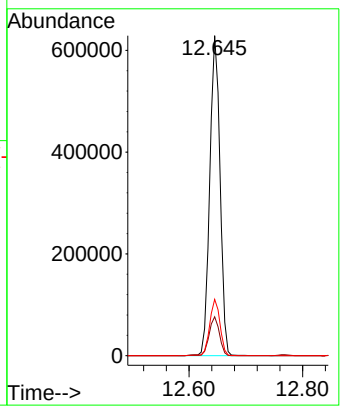




#75
Fluoranthene
Concen: 21.636 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:202 Resp: 78488

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	32.4
203	17.6	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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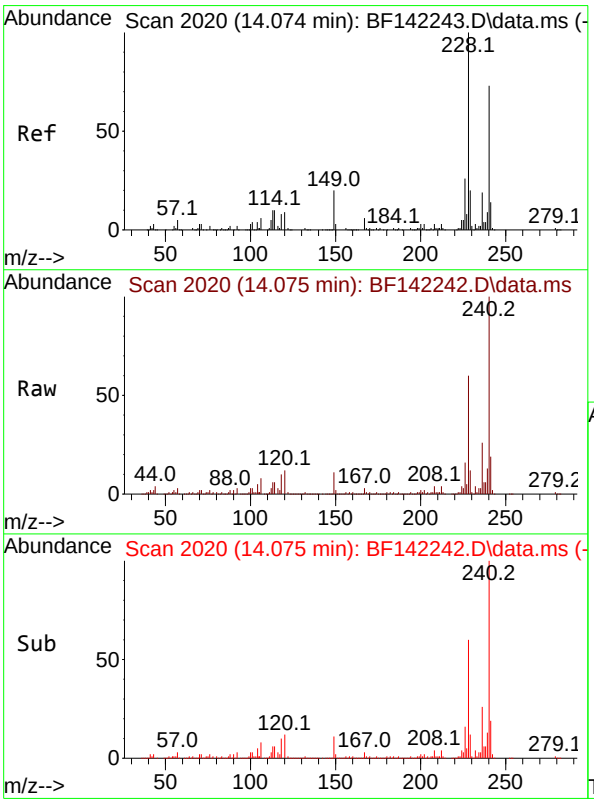
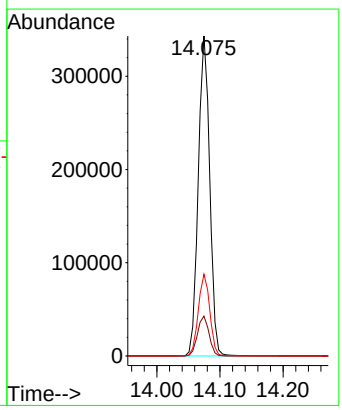
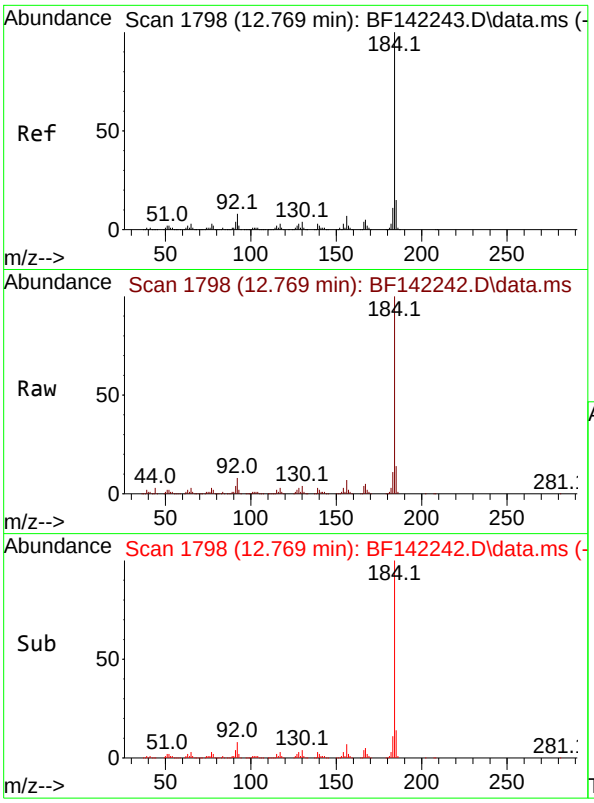


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.075 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:240 Resp: 430351

Ion	Ratio	Lower	Upper
240	100		
120	12.4	10.1	15.1
236	25.6	20.5	30.7

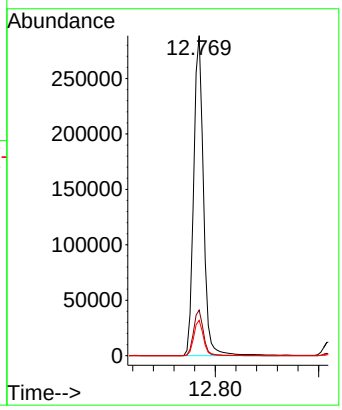




#77
Benzidine
Concen: 20.837 ng
RT: 12.769 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:184 Resp: 38103

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.8	17.6
183	11.1	8.9	13.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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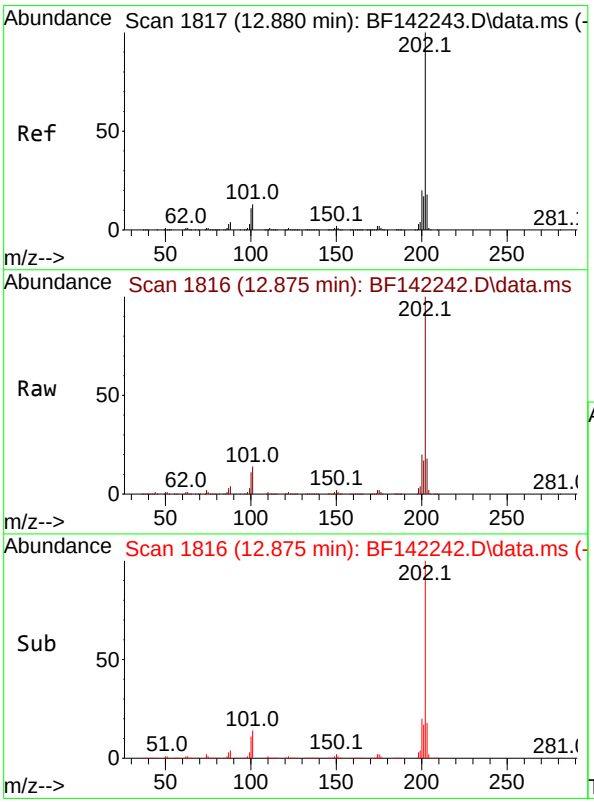
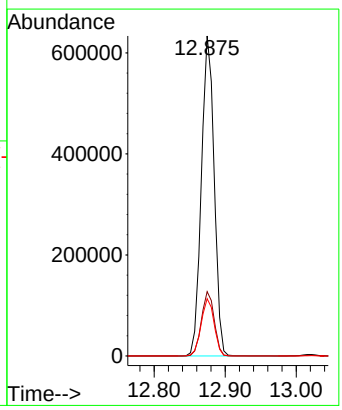
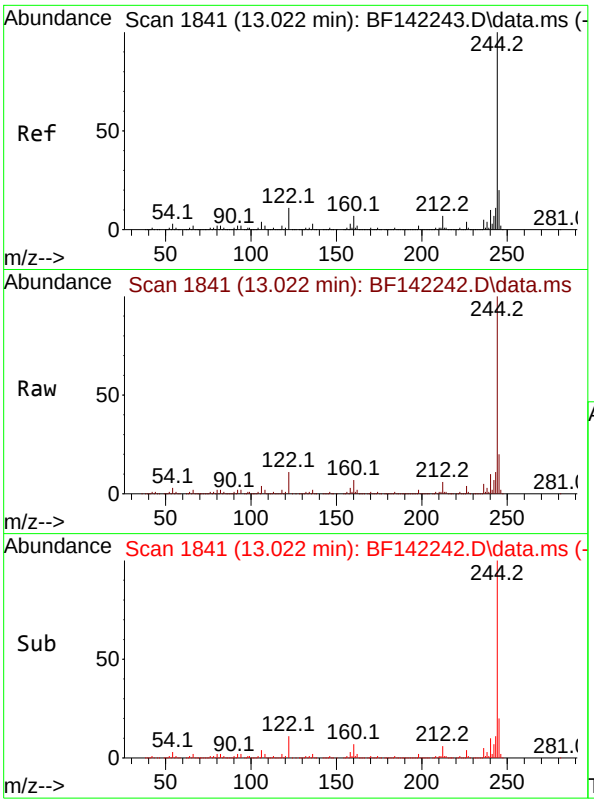


#78
Pyrene
Concen: 20.046 ng
RT: 12.875 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:202 Resp: 795806

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.1	24.1
203	17.9	14.1	21.1

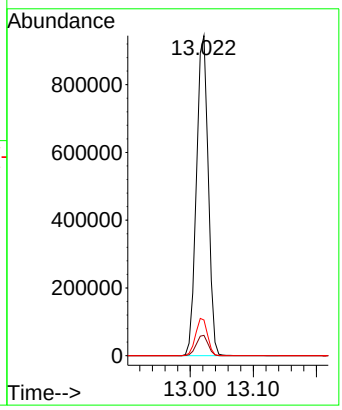




#79
Terphenyl-d14
Concen: 41.357 ng
RT: 13.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:244 Resp: 122373

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.3	7.9
122	11.1	9.1	13.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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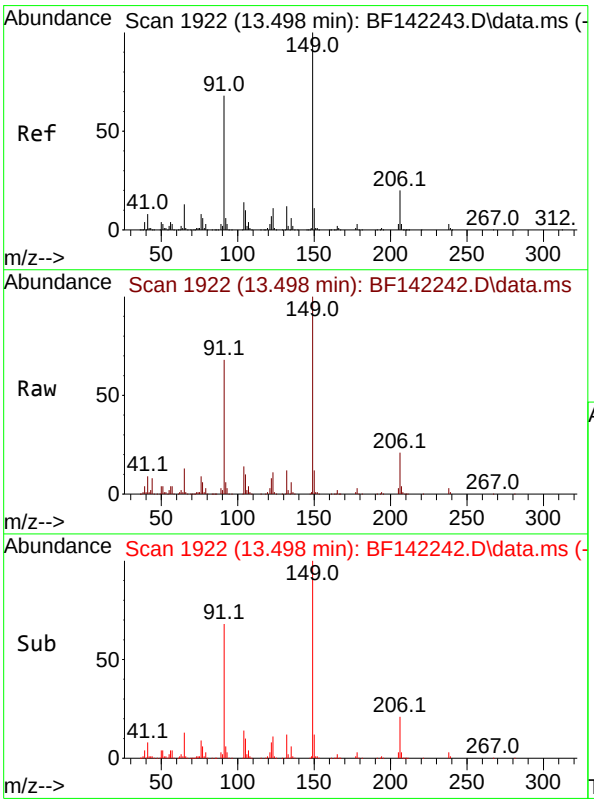
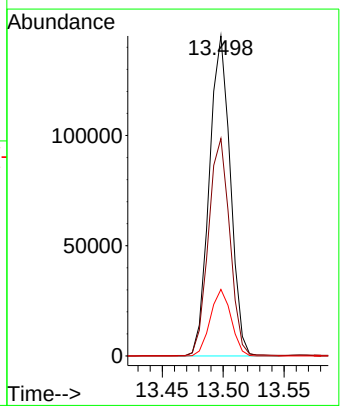
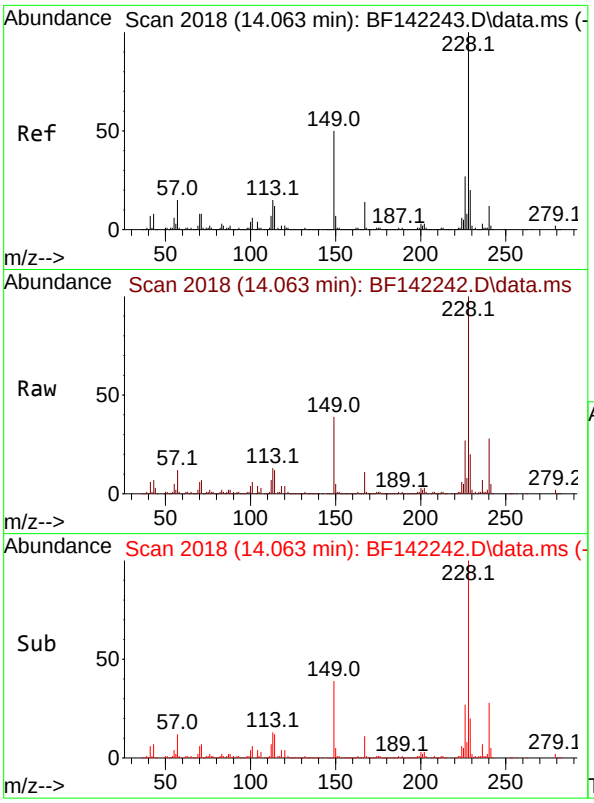


#80
Butylbenzylphthalate
Concen: 18.529 ng
RT: 13.498 min Scan# 1922
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:149 Resp: 174268

Ion	Ratio	Lower	Upper
149	100		
91	67.9	54.4	81.6
206	20.8	15.9	23.9

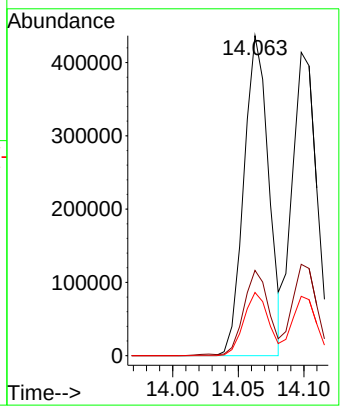




#81
Benzo(a)anthracene
Concen: 19.849 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:228 Resp: 57343

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.9	32.9
229	19.7	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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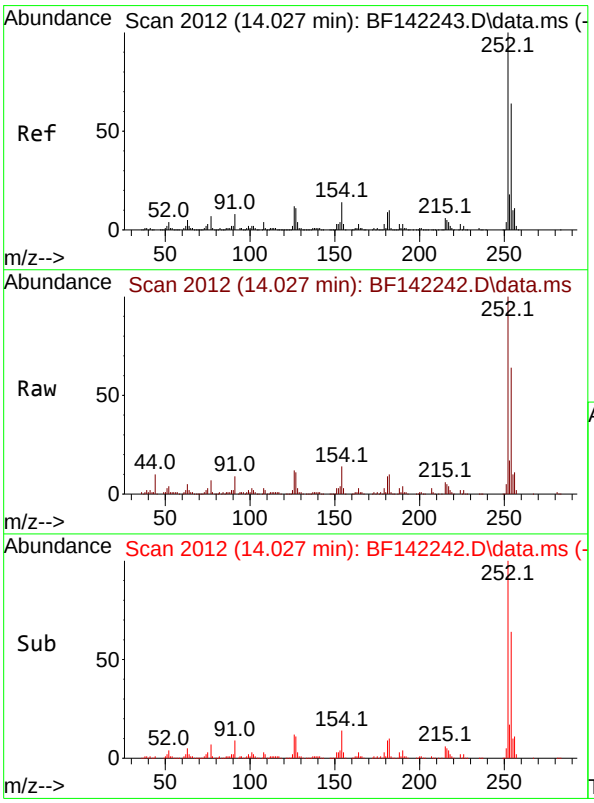
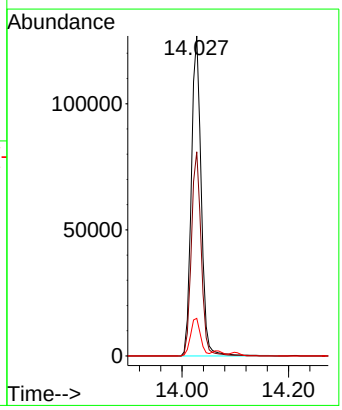
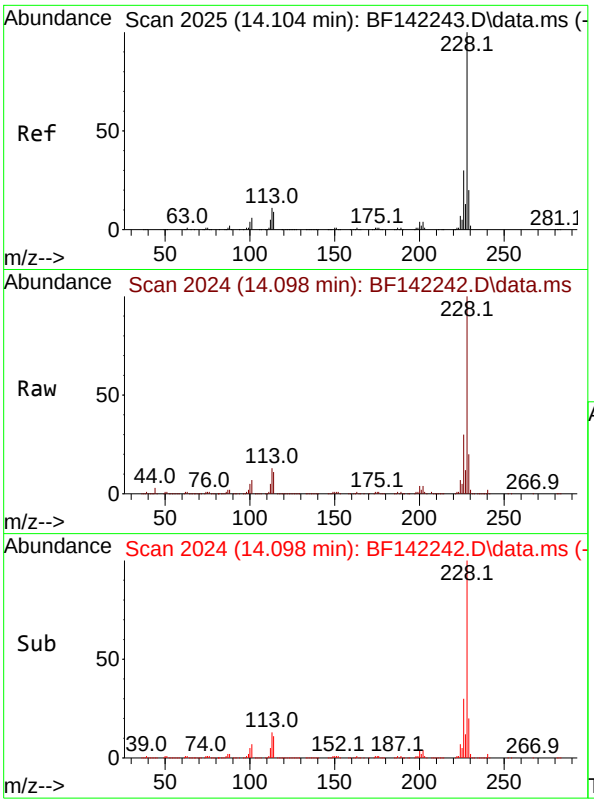


#82
3,3'-Dichlorobenzidine
Concen: 19.251 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:252 Resp: 163359

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.0	76.6
126	11.8	9.4	14.2

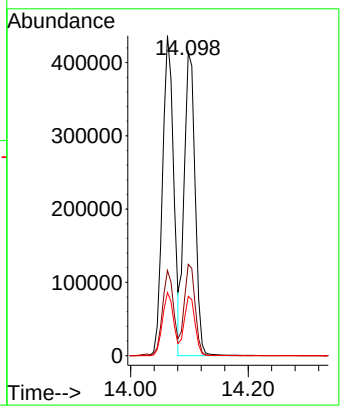




#83
Chrysene
Concen: 20.435 ng
RT: 14.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:228 Resp: 53738

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	19.6	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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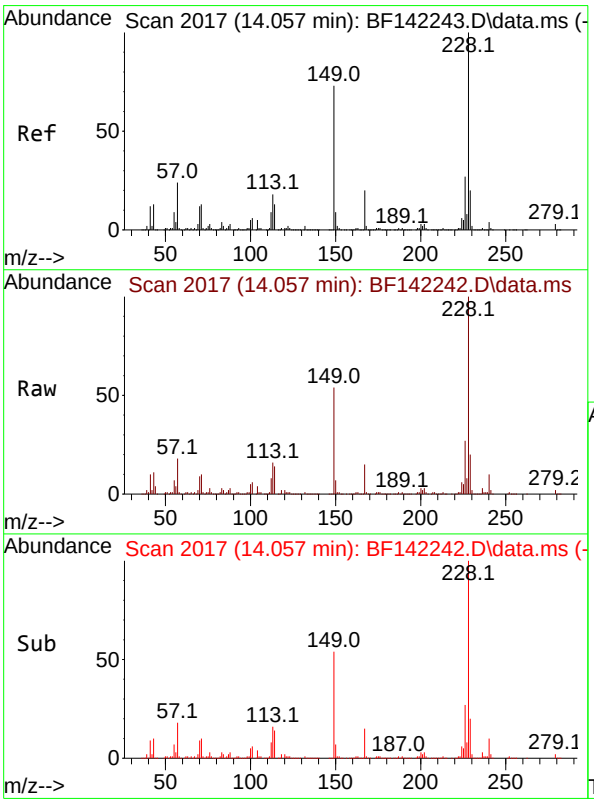
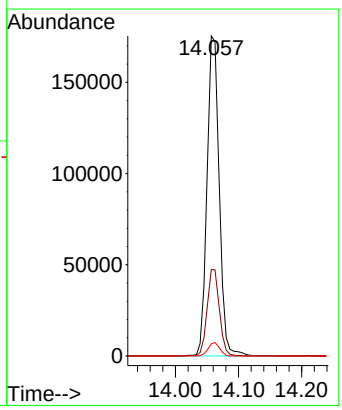
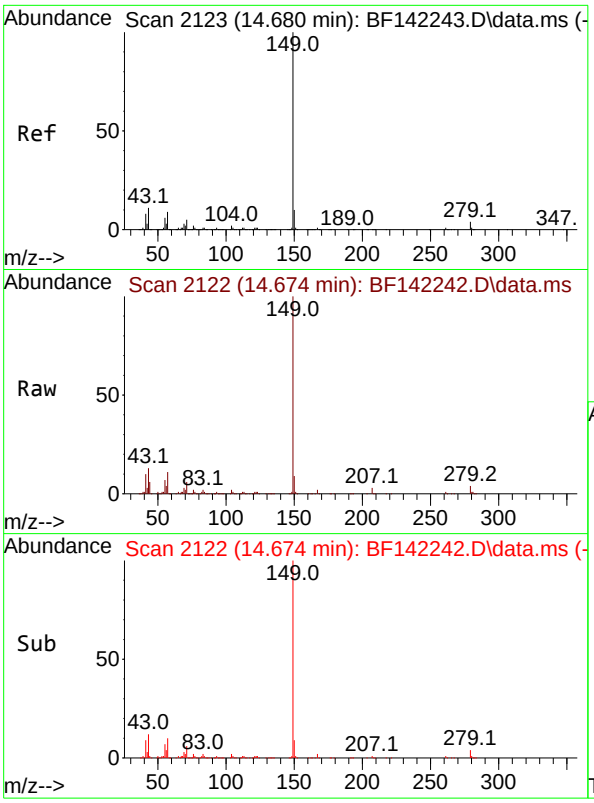


#84
Bis(2-ethylhexyl)phthalate
Concen: 18.042 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:149 Resp: 236325

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.7	32.5
279	3.8	3.0	4.4

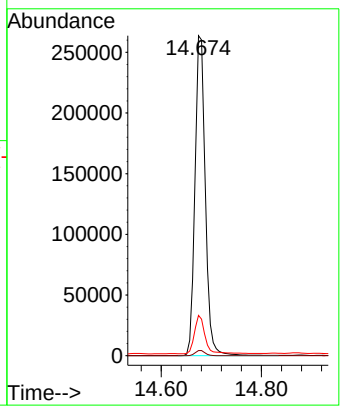




#85
Di-n-octyl phthalate
Concen: 17.998 ng
RT: 14.674 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:149 Resp: 37636

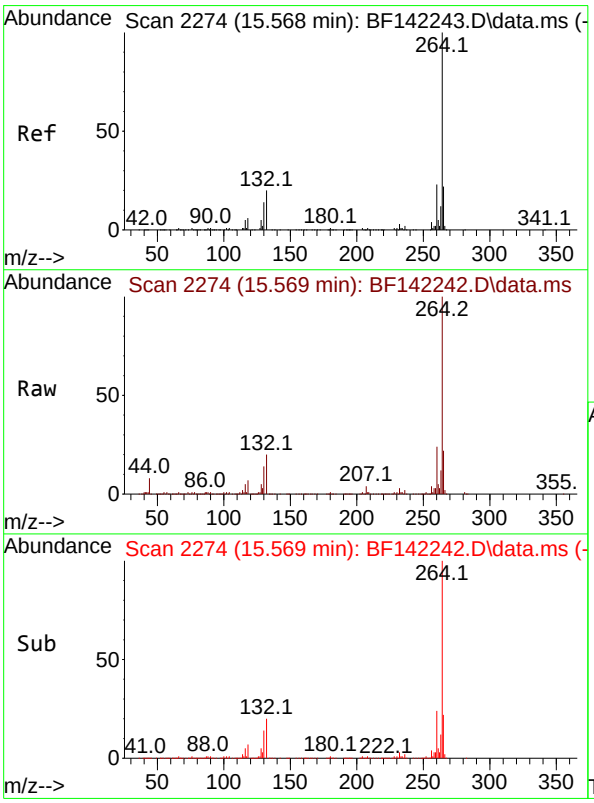
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	12.4	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

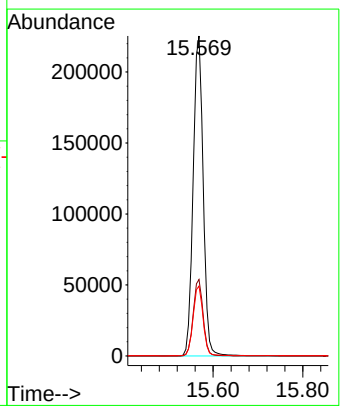
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

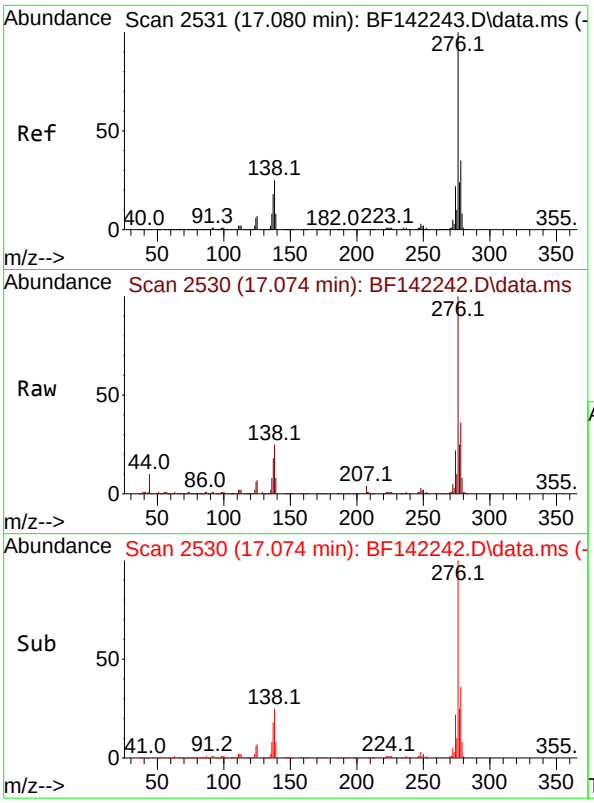


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.569 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:264 Resp: 350840

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.4	27.6
265	21.8	17.3	25.9

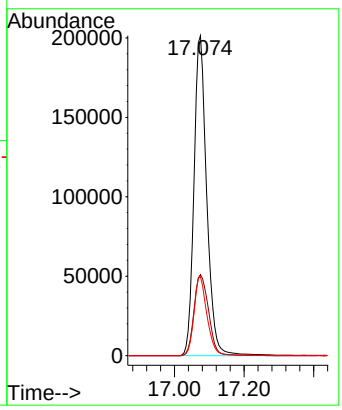




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.021 ng
RT: 17.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:276 Resp: 51449

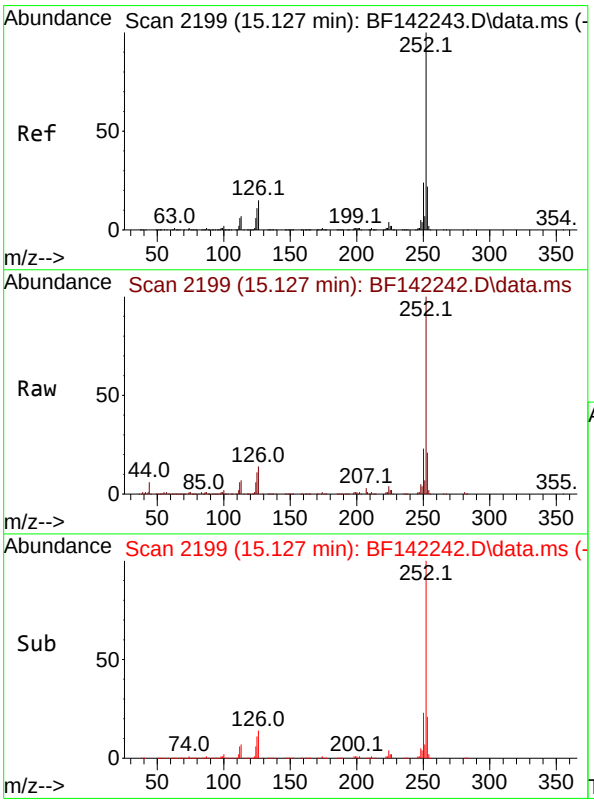
Ion	Ratio	Lower	Upper
276	100		
138	28.9	22.6	33.8
277	25.1	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

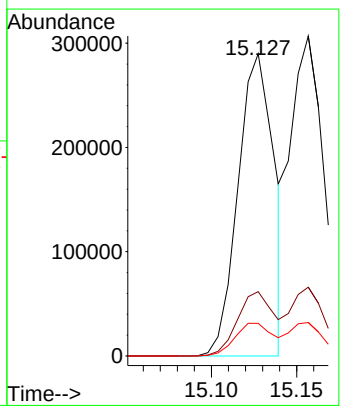
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

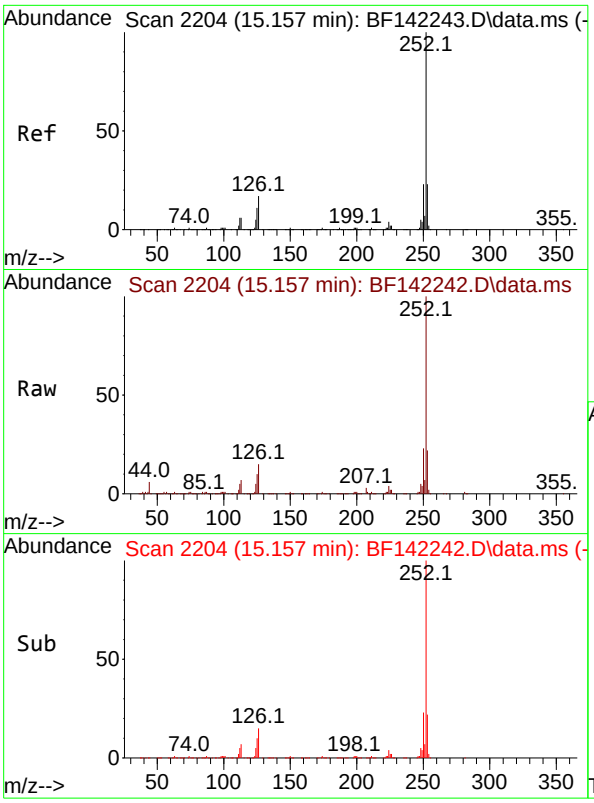


#88
Benzo(b)fluoranthene
Concen: 19.442 ng
RT: 15.127 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:252 Resp: 423694

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.7	26.5
125	10.8	9.0	13.4

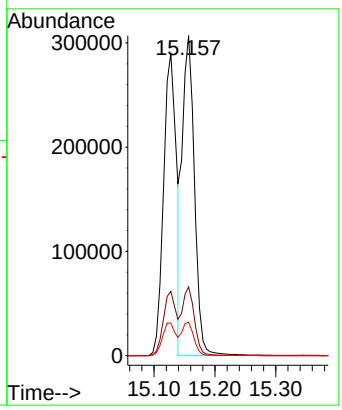




#89
Benzo(k)fluoranthene
Concen: 21.504 ng
RT: 15.157 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:252 Resp: 42864

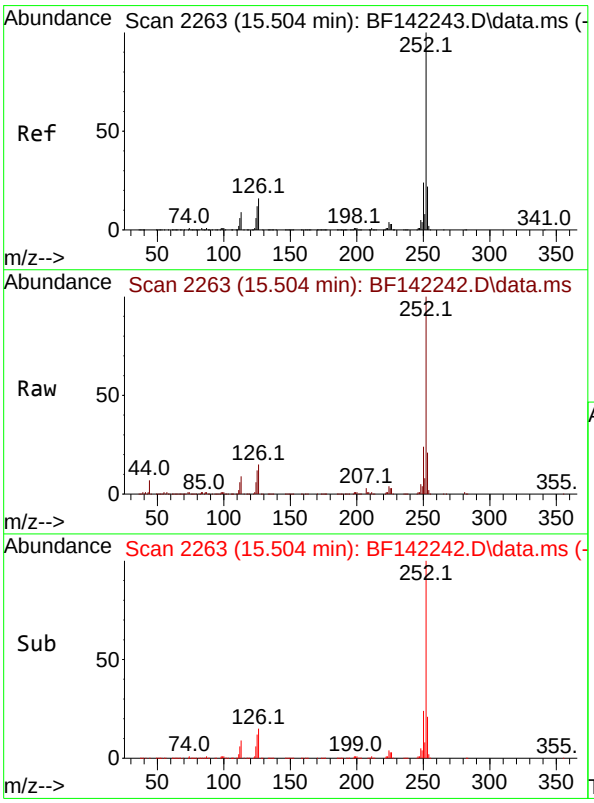
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.8
125	10.5	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

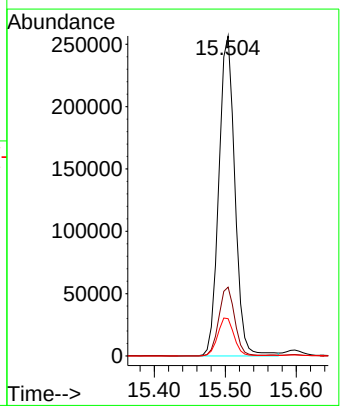
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

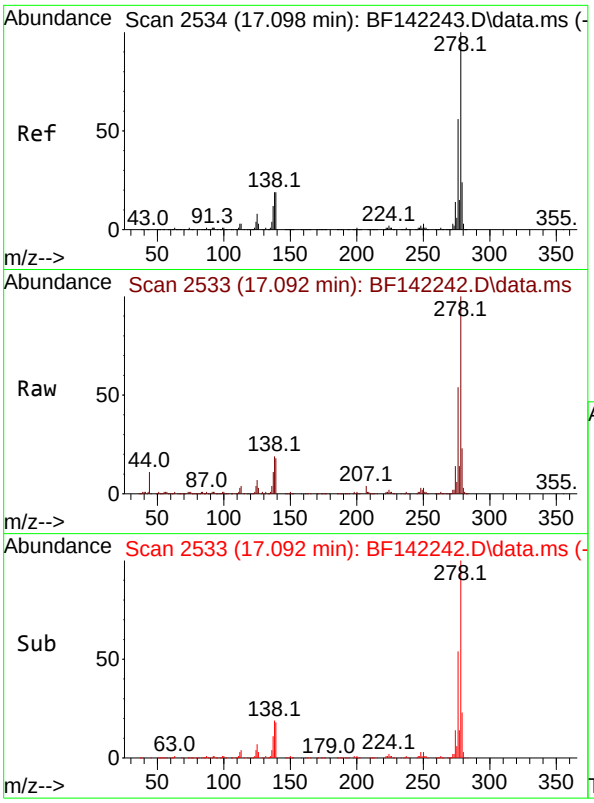


#90
Benzo(a)pyrene
Concen: 20.154 ng
RT: 15.504 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:252 Resp: 402101

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.6	26.4
125	11.7	9.5	14.3

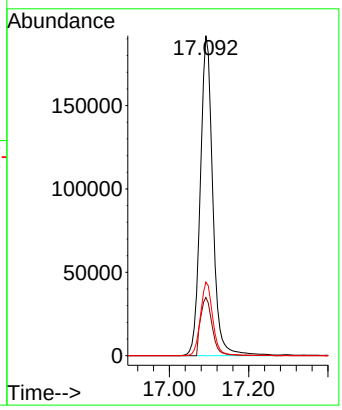




#91
Dibenzo(a,h)anthracene
Concen: 20.139 ng
RT: 17.092 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:278 Resp: 42002

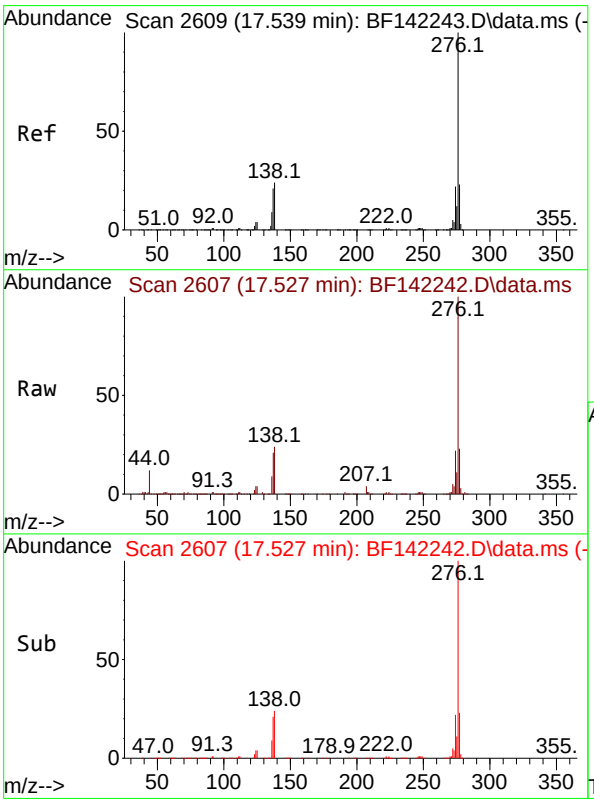
Ion	Ratio	Lower	Upper
278	100		
139	18.2	15.2	22.8
279	23.0	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

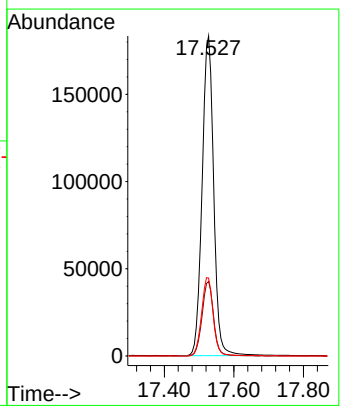
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025



#92
Benzo(g,h,i)perylene
Concen: 20.150 ng
RT: 17.527 min Scan# 2607
Delta R.T. -0.012 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:276 Resp: 422497

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.7	28.1
138	24.4	19.4	29.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142243.D
Acq On : 30 Apr 2025 13:17
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 30 15:43:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	180007	20.000	ng	0.00
21) Naphthalene-d8	8.193	136	706244	20.000	ng	0.00
39) Acenaphthene-d10	9.951	164	370869	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	616408	20.000	ng	0.00
76) Chrysene-d12	14.074	240	331192	20.000	ng	0.00
86) Perylene-d12	15.568	264	328405	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	946150	83.944	ng	0.00
7) Phenol-d6	6.528	99	1146926	84.267	ng	0.00
23) Nitrobenzene-d5	7.475	82	961009	89.396	ng	0.00
42) 2,4,6-Tribromophenol	10.734	330	302223	89.389	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	2089707	79.446	ng	0.00
79) Terphenyl-d14	13.022	244	1962470	86.181	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.699	88	213029	42.319	ng	100
3) Pyridine	3.463	79	547989	41.886	ng	100
4) n-Nitrosodimethylamine	3.410	42	290357	42.887	ng	100
6) Aniline	6.569	93	808338	41.959	ng	100
8) 2-Chlorophenol	6.693	128	496290	42.612	ng	100
9) Benzaldehyde	6.457	77	402047	42.263	ng	100
10) Phenol	6.540	94	617257	42.128	ng	100
11) bis(2-Chloroethyl)ether	6.646	93	474404	41.780	ng	100
12) 1,3-Dichlorobenzene	6.851	146	551813	41.881	ng	100
13) 1,4-Dichlorobenzene	6.928	146	556691	41.937	ng	100
14) 1,2-Dichlorobenzene	7.081	146	530895	41.892	ng	100
15) Benzyl Alcohol	7.046	79	413830	42.870	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.187	45	858875	41.888	ng	100
17) 2-Methylphenol	7.151	107	403467	42.287	ng	100
18) Hexachloroethane	7.428	117	183881	42.322	ng	100
19) n-Nitroso-di-n-propyla...	7.322	70	348288	41.410	ng	100
20) 3+4-Methylphenols	7.304	107	503856	42.229	ng	100
22) Acetophenone	7.316	105	660959	40.454	ng	100
24) Nitrobenzene	7.493	77	463357	43.929	ng	100
25) Isophorone	7.728	82	931763	41.299	ng	100
26) 2-Nitrophenol	7.804	139	162563	38.737	ng	100
27) 2,4-Dimethylphenol	7.834	122	476186	41.862	ng	100
28) bis(2-Chloroethoxy)met...	7.940	93	586887	41.247	ng	100
29) 2,4-Dichlorophenol	8.040	162	410487	43.163	ng	100
30) 1,2,4-Trichlorobenzene	8.134	180	440825	41.539	ng	100
31) Naphthalene	8.216	128	1441240	40.920	ng	100
32) Benzoic acid	7.934	122	184052m	37.083	ng	
33) 4-Chloroaniline	8.257	127	606136	41.328	ng	100
34) Hexachlorobutadiene	8.334	225	260821	42.125	ng	100
35) Caprolactam	8.622	113	122598	42.889	ng	100
36) 4-Chloro-3-methylphenol	8.728	107	417126	42.715	ng	100
37) 2-Methylnaphthalene	8.904	142	880315	40.652	ng	100
38) 1-Methylnaphthalene	9.004	142	920983	41.054	ng	100
40) 1,2,4,5-Tetrachloroben...	9.069	216	427286	40.938	ng	100
41) Hexachlorocyclopentadiene	9.057	237	260979	44.056	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	274555	42.450	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142243.D
Acq On : 30 Apr 2025 13:17
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 30 15:43:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	299967	44.113	ng	100
46) 1,1'-Biphenyl	9.369	154	1172400	40.664	ng	100
47) 2-Chloronaphthalene	9.392	162	879152	40.984	ng	100
48) 2-Nitroaniline	9.487	65	218766	39.600	ng	100
49) Acenaphthylene	9.810	152	1481543	40.929	ng	100
50) Dimethylphthalate	9.669	163	980172	41.312	ng	100
51) 2,6-Dinitrotoluene	9.728	165	178867	40.034	ng	100
52) Acenaphthene	9.981	154	869604	41.145	ng	100
53) 3-Nitroaniline	9.892	138	221168	40.485	ng	100
54) 2,4-Dinitrophenol	9.998	184	42260	38.466	ng	100
55) Dibenzofuran	10.151	168	1293035	40.813	ng	100
56) 4-Nitrophenol	10.039	139	159989	42.900	ng	100
57) 2,4-Dinitrotoluene	10.128	165	211218	39.352	ng	100
58) Fluorene	10.498	166	976948	40.554	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.269	232	247655	43.967	ng	100
60) Diethylphthalate	10.369	149	974036	41.573	ng	100
61) 4-Chlorophenyl-phenyle...	10.486	204	468898	40.986	ng	100
62) 4-Nitroaniline	10.504	138	201491	40.498	ng	100
63) Azobenzene	10.651	77	948440	40.994	ng	100
65) 4,6-Dinitro-2-methylph...	10.534	198	67678	36.574	ng	100
66) n-Nitrosodiphenylamine	10.604	169	877338	41.656	ng	100
67) 4-Bromophenyl-phenylether	10.981	248	291063	42.400	ng	100
68) Hexachlorobenzene	11.045	284	321448	41.809	ng	100
69) Atrazine	11.128	200	234825	42.299	ng	100
70) Pentachlorophenol	11.233	266	177755	43.764	ng	100
71) Phenanthrene	11.457	178	1371009	41.176	ng	100
72) Anthracene	11.510	178	1390308	40.840	ng	100
73) Carbazole	11.663	167	1273184	40.999	ng	100
74) Di-n-butylphthalate	11.998	149	1317363	42.180	ng	100
75) Fluoranthene	12.645	202	1338006	40.652	ng	100
77) Benzidine	12.769	184	638142	45.346	ng	100
78) Pyrene	12.880	202	1341800	43.920	ng	100
80) Butylbenzylphthalate	13.498	149	334175	40.624	ng	100
81) Benzo(a)anthracene	14.063	228	952290	42.831	ng	100
82) 3,3'-Dichlorobenzidine	14.027	252	292958	44.859	ng	100
83) Chrysene	14.104	228	816041	40.321	ng	100
84) Bis(2-ethylhexyl)phtha...	14.057	149	460074	40.356	ng	100
85) Di-n-octyl phthalate	14.680	149	836078	40.504	ng	100
87) Indeno(1,2,3-cd)pyrene	17.080	276	1059591	44.049	ng	100
88) Benzo(b)fluoranthene	15.127	252	854971	41.912	ng	100
89) Benzo(k)fluoranthene	15.157	252	752135	40.310	ng	100
90) Benzo(a)pyrene	15.504	252	790330	42.318	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	861783	44.142	ng	100
92) Benzo(g,h,i)perylene	17.539	276	858804	43.758	ng	100

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

ICAL Form

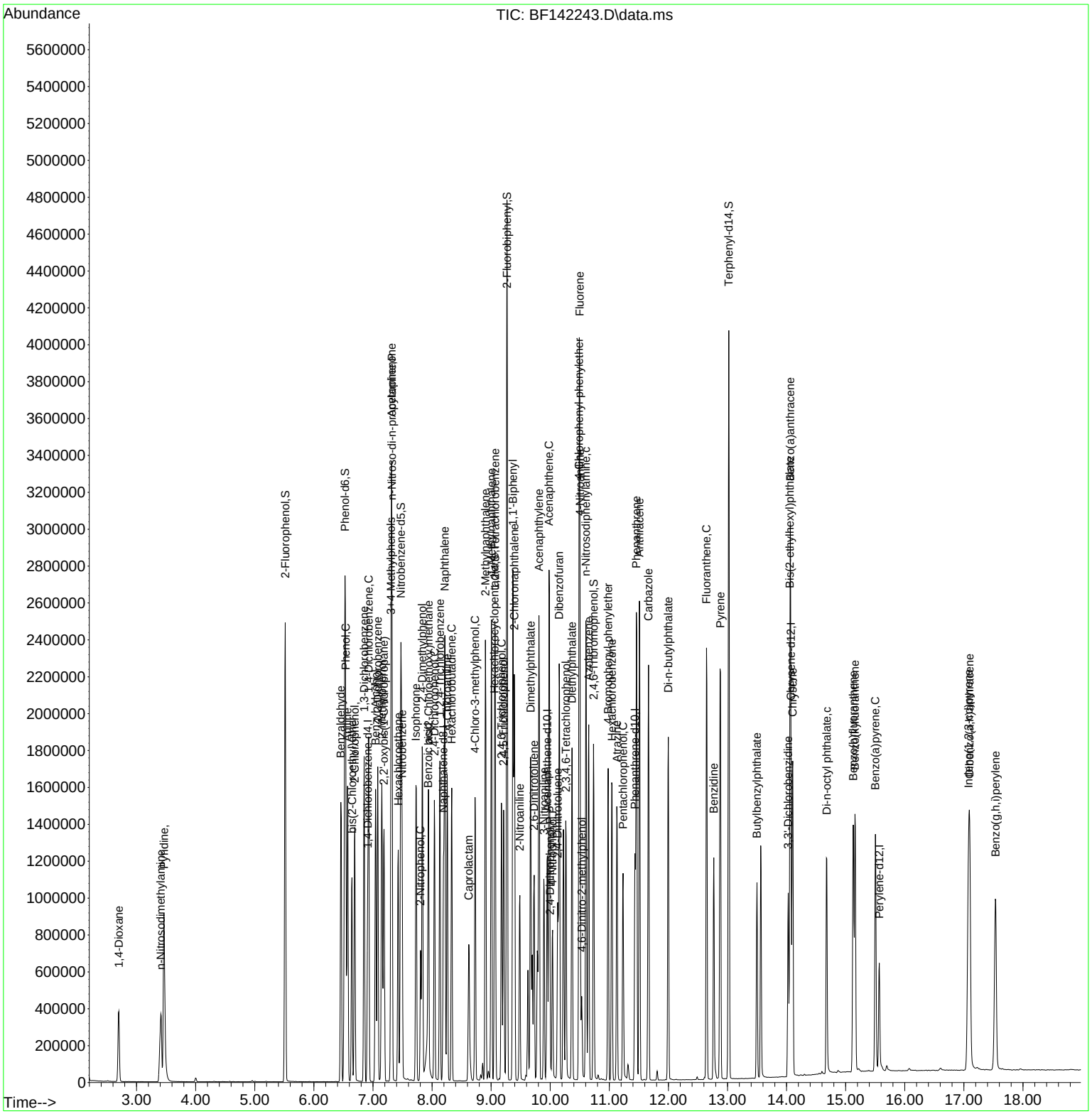
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142243.D
Acq On : 30 Apr 2025 13:17
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

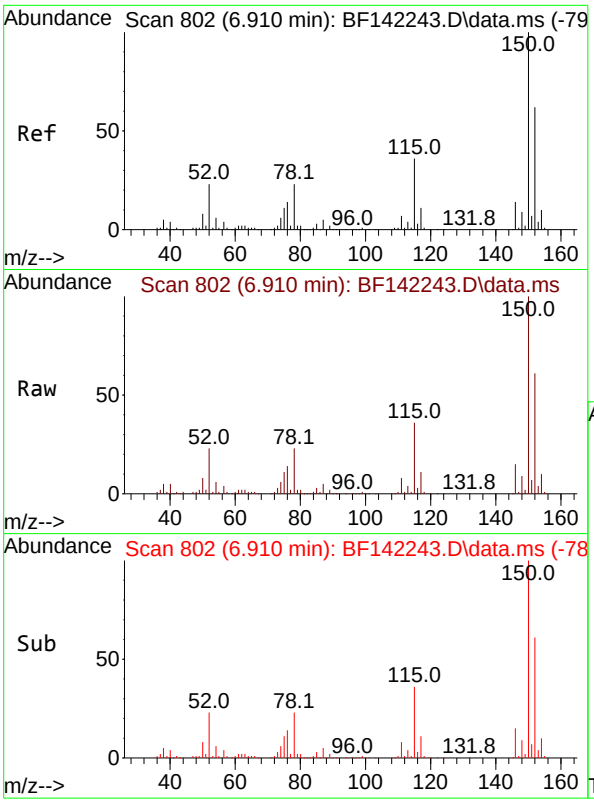
Quant Time: Apr 30 15:43:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

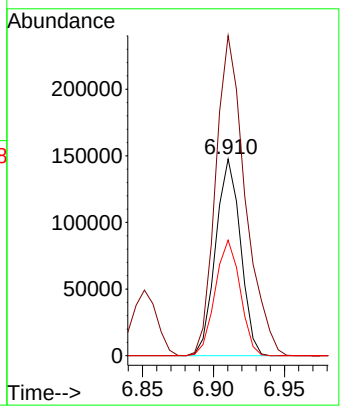




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:152 Resp: 18000

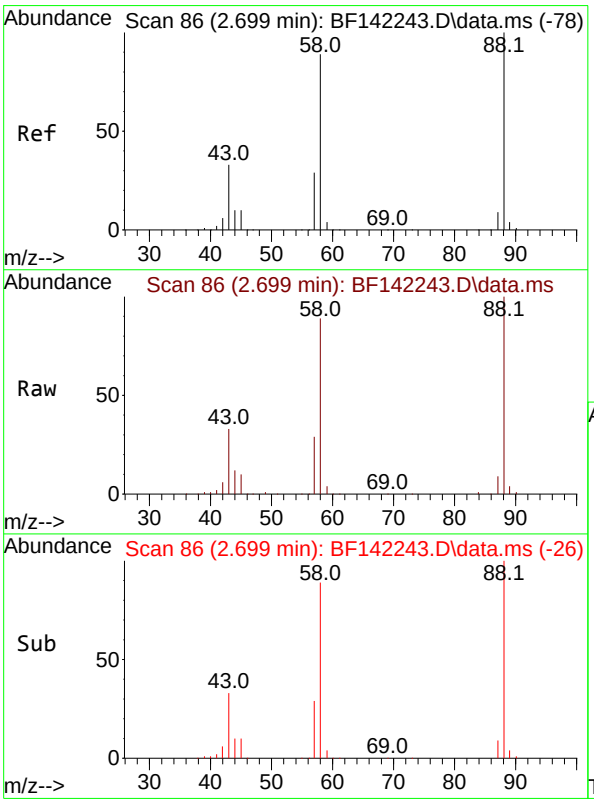
Ion	Ratio	Lower	Upper
152	100		
150	162.7	130.2	195.2
115	58.7	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

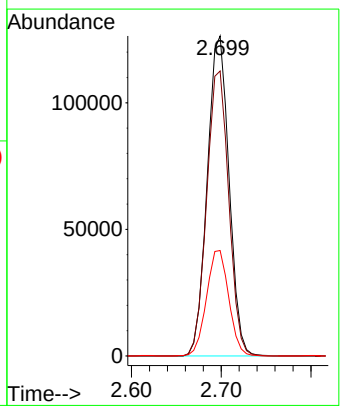
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

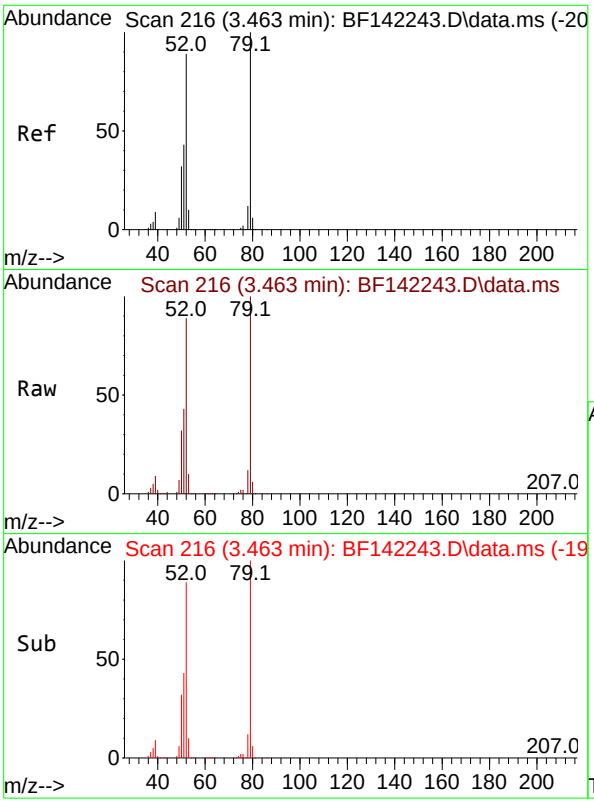


#2
1,4-Dioxane
Concen: 42.319 ng
RT: 2.699 min Scan# 86
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 88 Resp: 213029

Ion	Ratio	Lower	Upper
88	100		
58	90.2	72.2	108.2
43	33.8	27.0	40.6

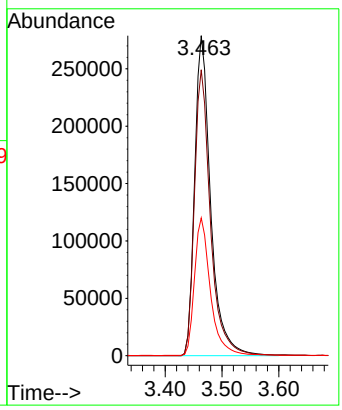




#3
Pyridine
Concen: 41.886 ng
RT: 3.463 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 79 Resp: 54798

Ion	Ratio	Lower	Upper
79	100		
52	89.4	71.5	107.3
51	43.1	34.5	51.7



Instrument :
BNA_F
ClientSampleId :
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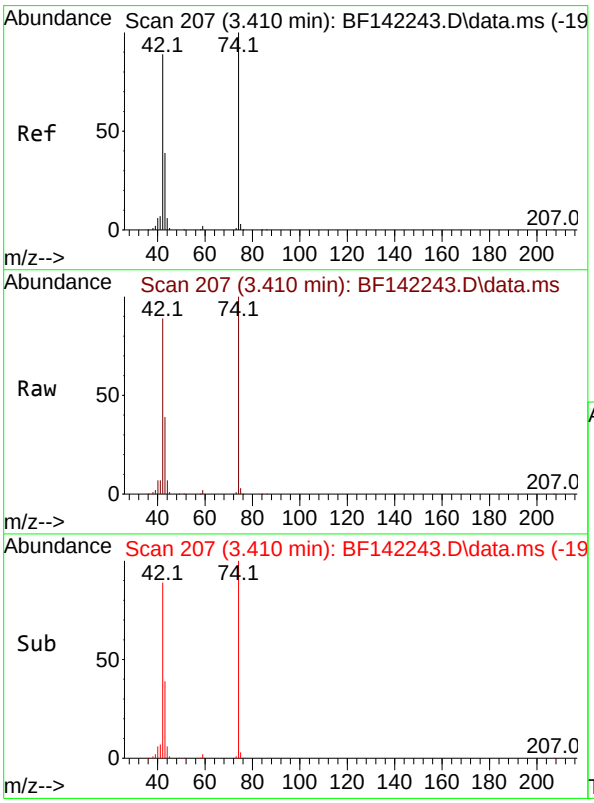
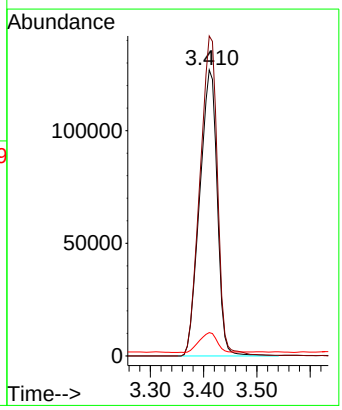
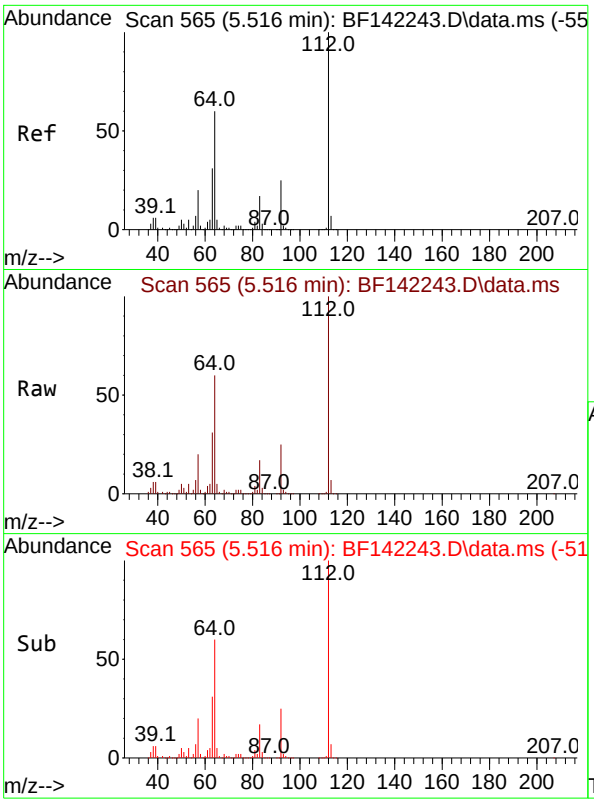


#4
n-Nitrosodimethylamine
Concen: 42.887 ng
RT: 3.410 min Scan# 207
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 42 Resp: 290357

Ion	Ratio	Lower	Upper
42	100		
74	111.9	89.5	134.3
44	8.2	6.6	9.8

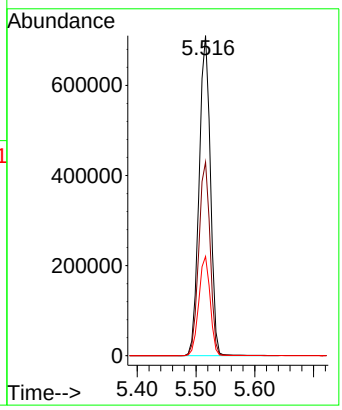




#5
2-Fluorophenol
Concen: 83.944 ng
RT: 5.516 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:112 Resp: 94615

Ion	Ratio	Lower	Upper
112	100		
64	60.5	48.4	72.6
63	31.0	24.8	37.2



Instrument :
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ClientSampleId :
SSTDICCC040

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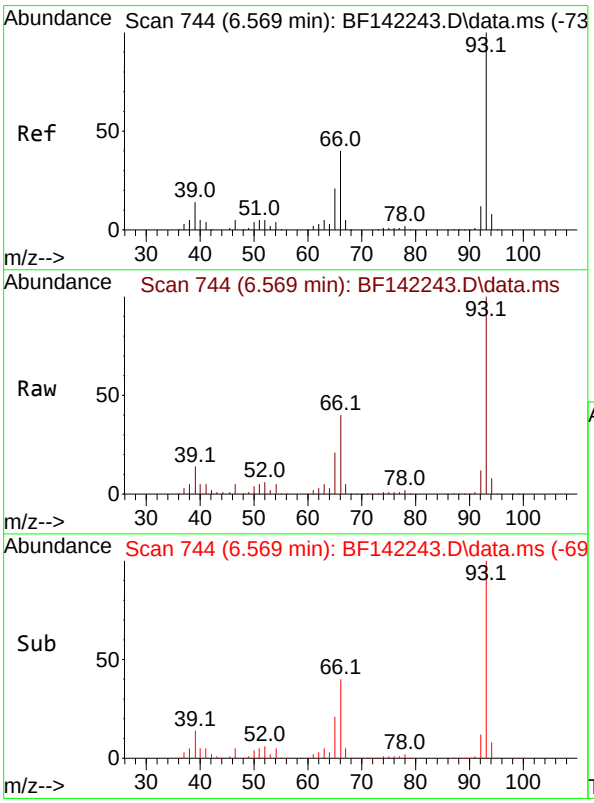
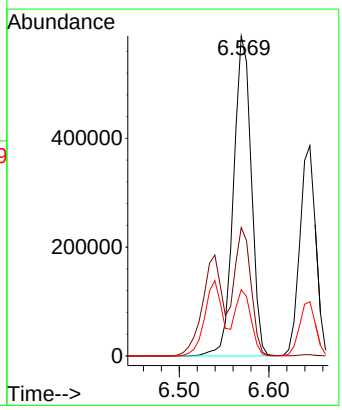
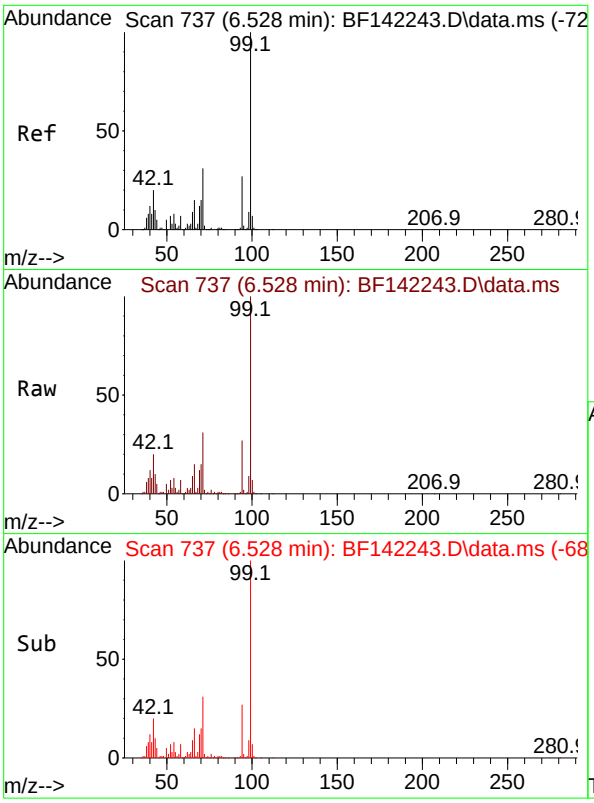


#6
Aniline
Concen: 41.959 ng
RT: 6.569 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 93 Resp: 808338

Ion	Ratio	Lower	Upper
93	100		
66	40.1	32.1	48.1
65	20.7	16.6	24.8

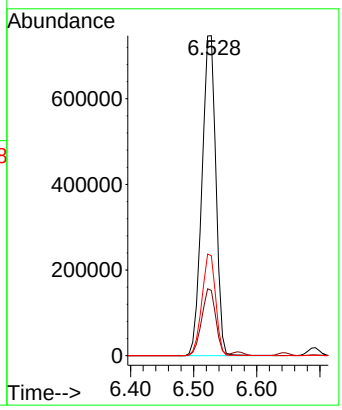




#7
Phenol-d6
Concen: 84.267 ng
RT: 6.528 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 99 Resp: 114692

Ion	Ratio	Lower	Upper
99	100		
42	20.4	16.3	24.5
71	31.2	25.0	37.4



Instrument :
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ClientSampleId :
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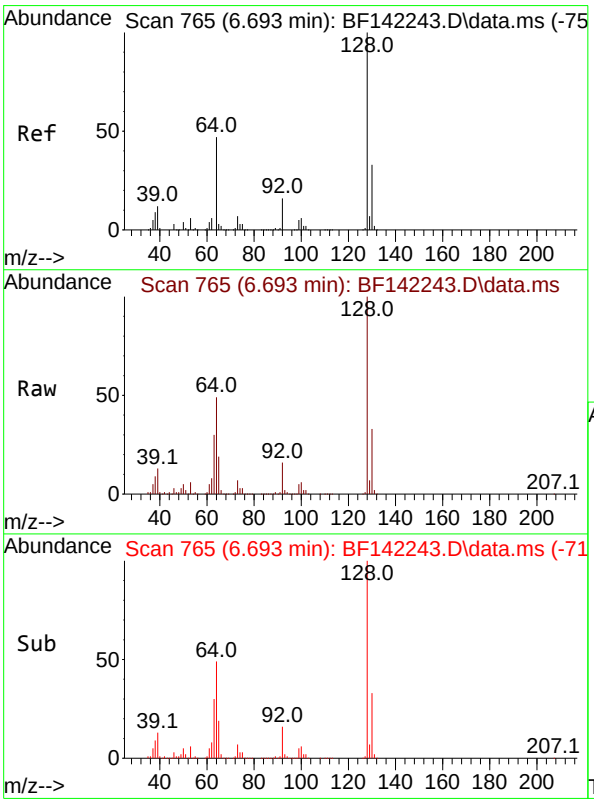
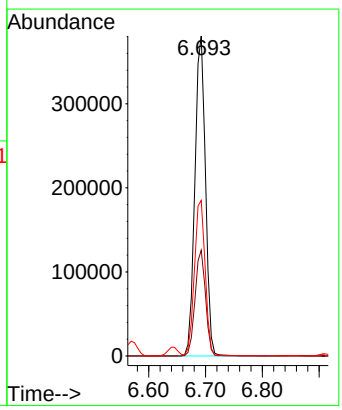
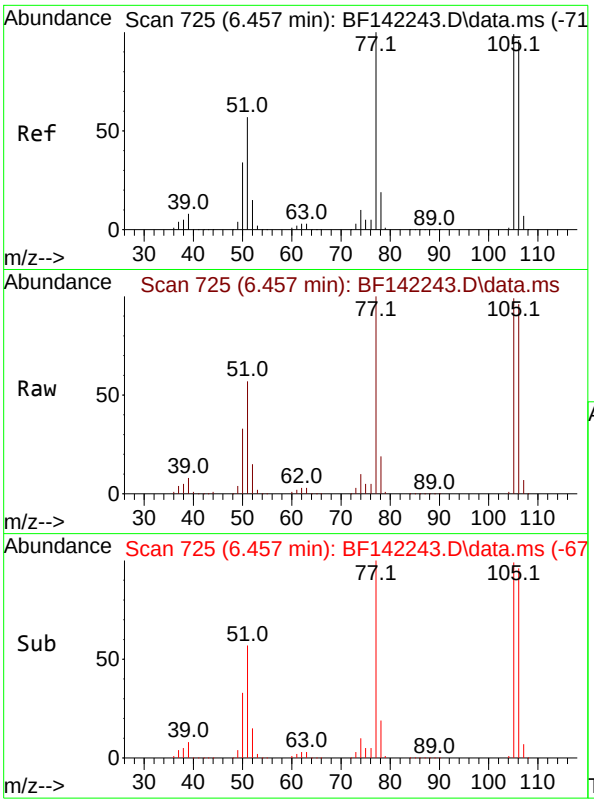


#8
2-Chlorophenol
Concen: 42.612 ng
RT: 6.693 min Scan# 765
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:128 Resp: 496290

Ion	Ratio	Lower	Upper
128	100		
130	33.1	13.1	53.1
64	48.6	28.6	68.6

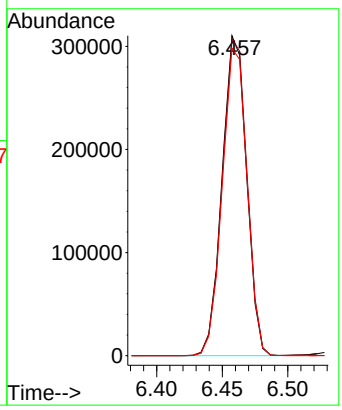




#9
Benzaldehyde
Concen: 42.263 ng
RT: 6.457 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 77 Resp: 40204

Ion	Ratio	Lower	Upper
77	100		
105	99.1	79.1	119.1
106	96.0	76.0	116.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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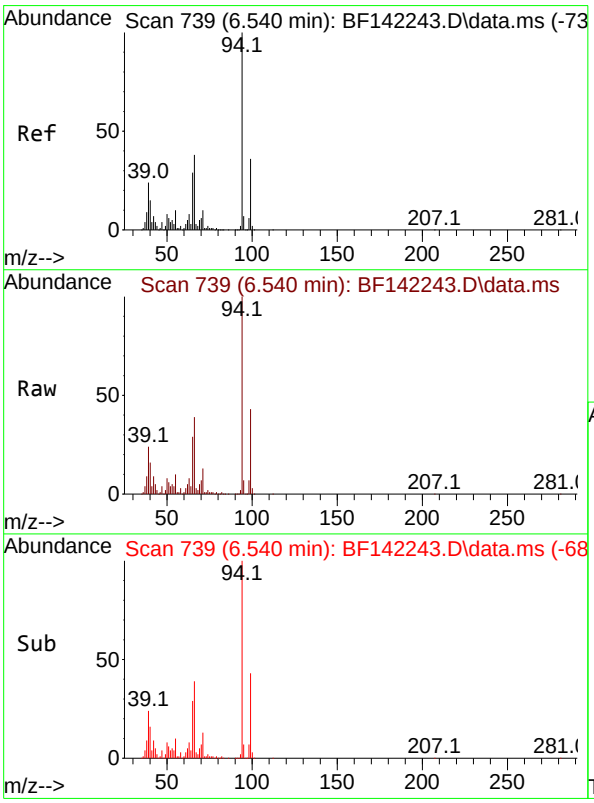
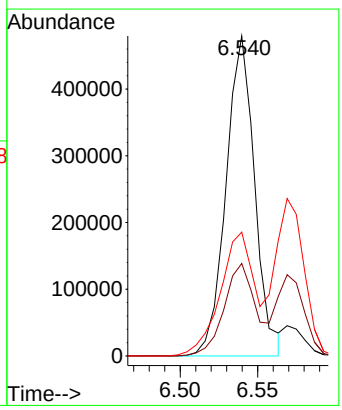
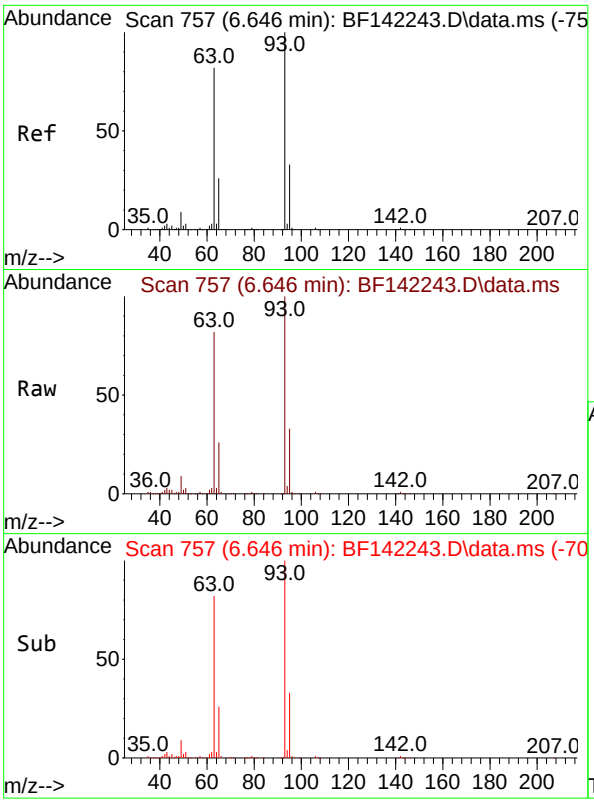


#10
Phenol
Concen: 42.128 ng
RT: 6.540 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 94 Resp: 617257

Ion	Ratio	Lower	Upper
94	100		
65	28.9	8.9	48.9
66	38.7	18.7	58.7

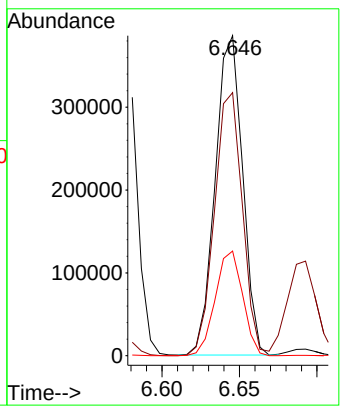




#11
bis(2-Chloroethyl)ether
Concen: 41.780 ng
RT: 6.646 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 93 Resp: 47440

Ion	Ratio	Lower	Upper
93	100		
63	82.2	62.2	102.2
95	32.7	12.7	52.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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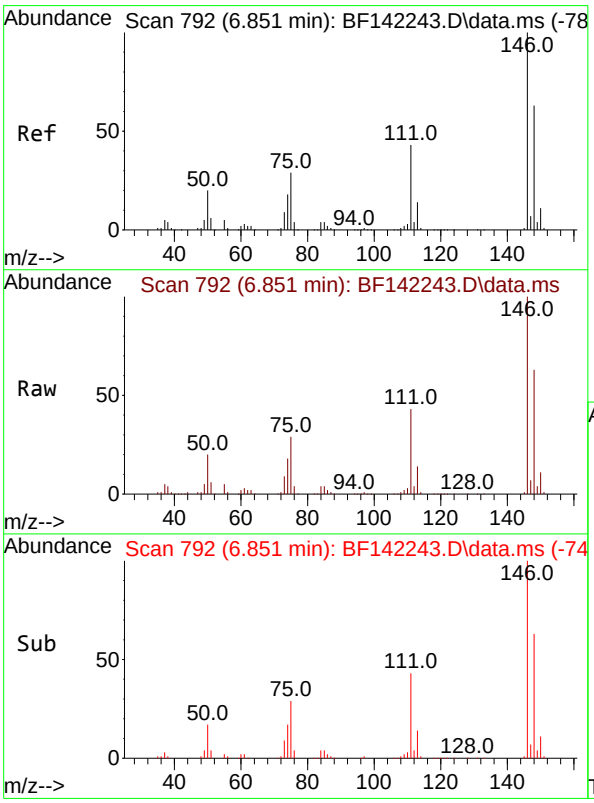
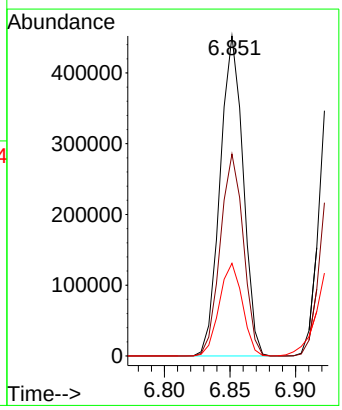
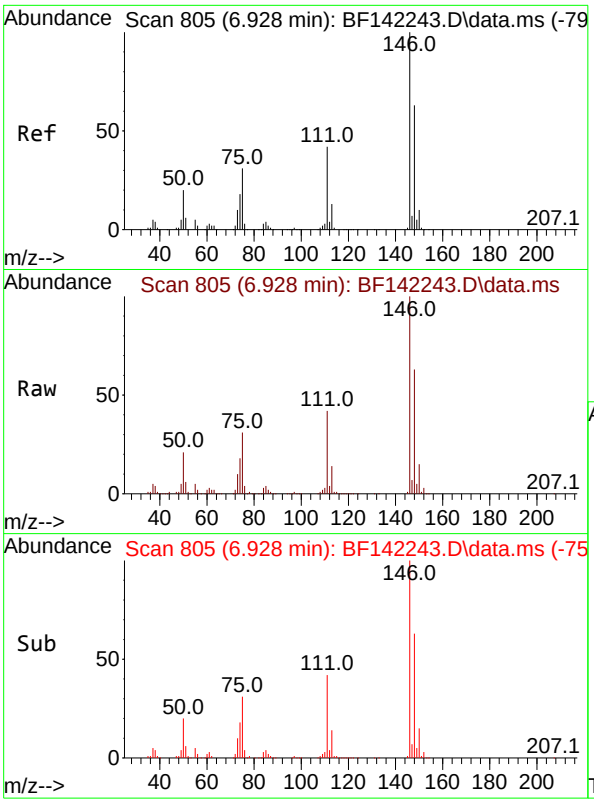


#12
1,3-Dichlorobenzene
Concen: 41.881 ng
RT: 6.851 min Scan# 792
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:146 Resp: 551813

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.5	75.7
75	29.0	23.2	34.8

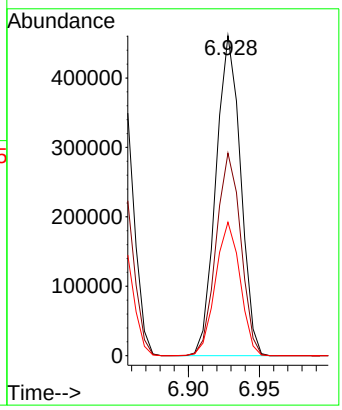




#13
1,4-Dichlorobenzene
Concen: 41.937 ng
RT: 6.928 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:146 Resp: 55669

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.6	76.0
111	41.7	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
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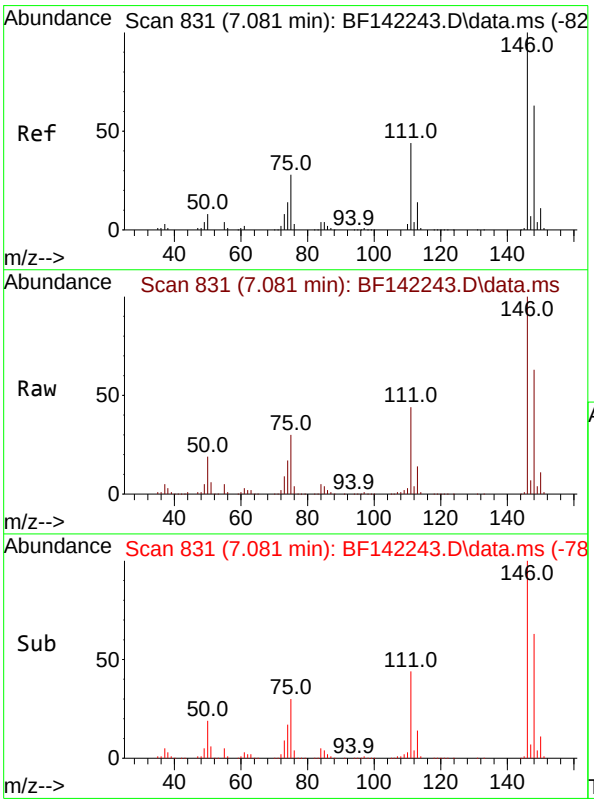
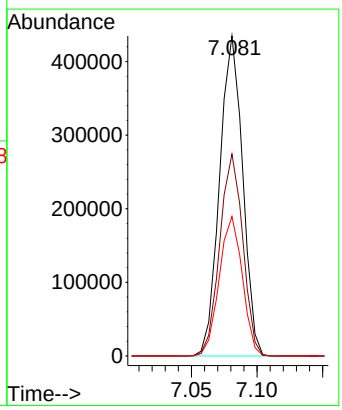
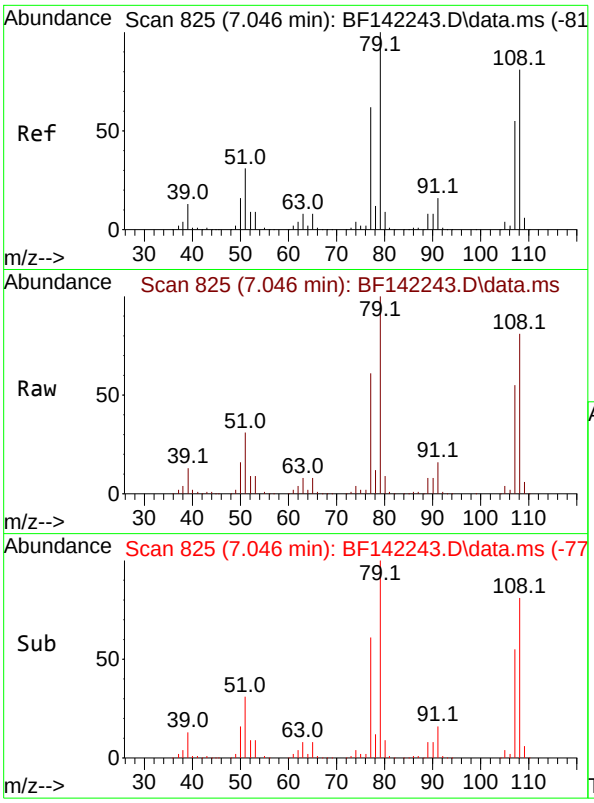


#14
1,2-Dichlorobenzene
Concen: 41.892 ng
RT: 7.081 min Scan# 831
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:146 Resp: 530895

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.5	75.7
111	43.6	34.9	52.3





#15
Benzyl Alcohol
Concen: 42.870 ng
RT: 7.046 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 41383

Ion	Ratio	Lower	Upper
79	100		
108	80.6	64.5	96.7
77	61.5	49.2	73.8

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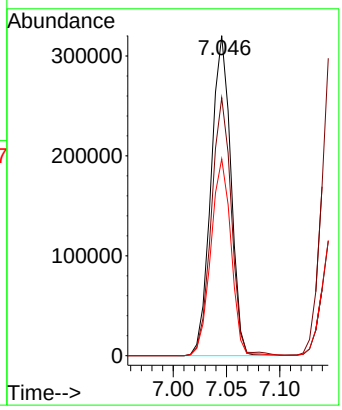
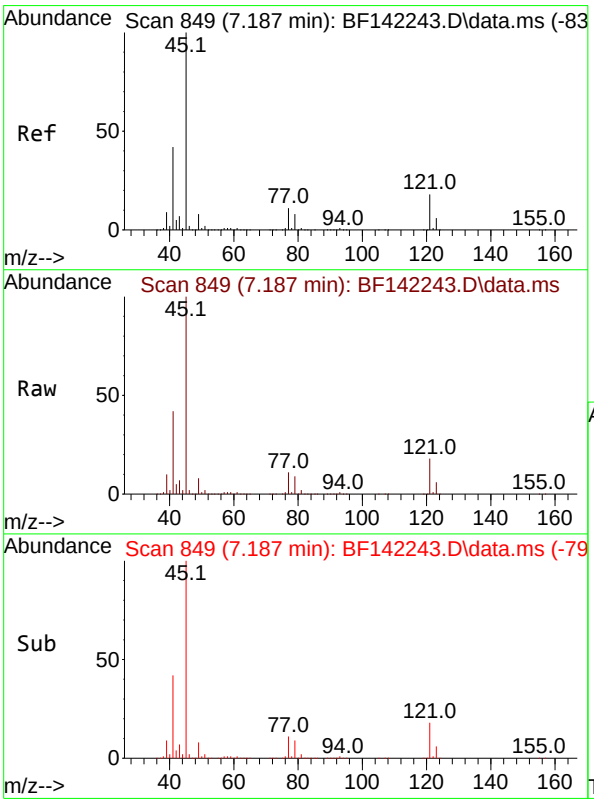
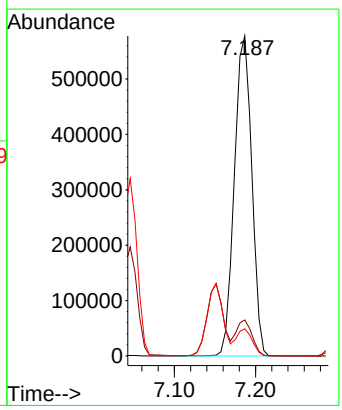


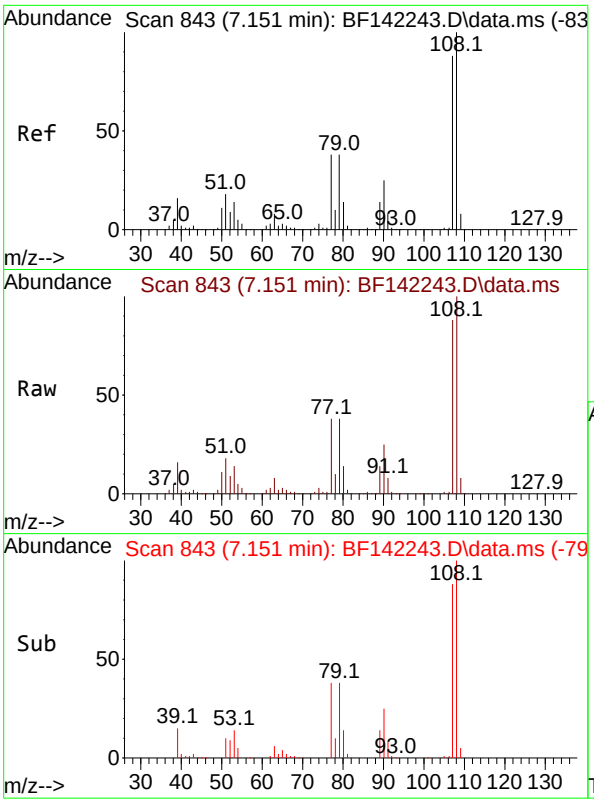


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.888 ng
RT: 7.187 min Scan# 849
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 45 Resp: 858875

Ion	Ratio	Lower	Upper
45	100		
77	11.3	0.0	31.3
79	8.5	0.0	28.5

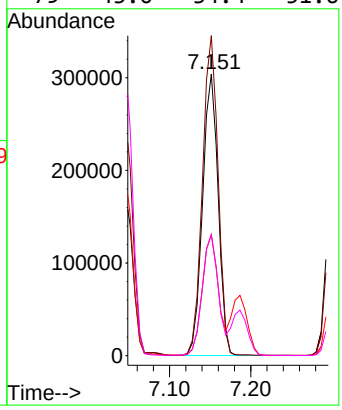




#17
2-Methylphenol
Concen: 42.287 ng
RT: 7.151 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:107 Resp: 40346

Ion	Ratio	Lower	Upper
107	100		
108	113.7	91.0	136.4
77	43.0	34.4	51.6
79	43.0	34.4	51.6



Instrument :
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ClientSampleId :
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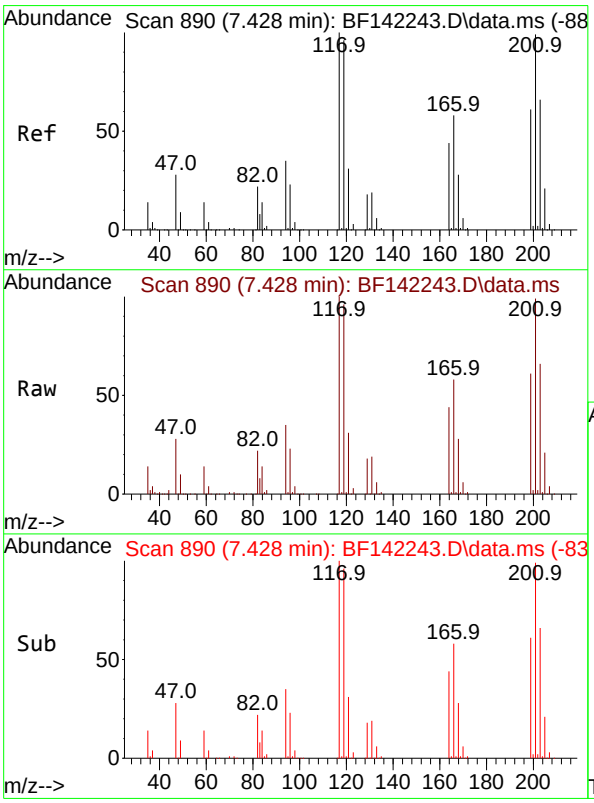
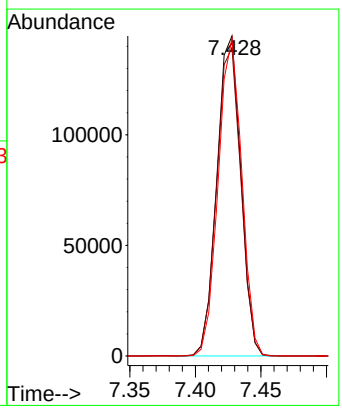
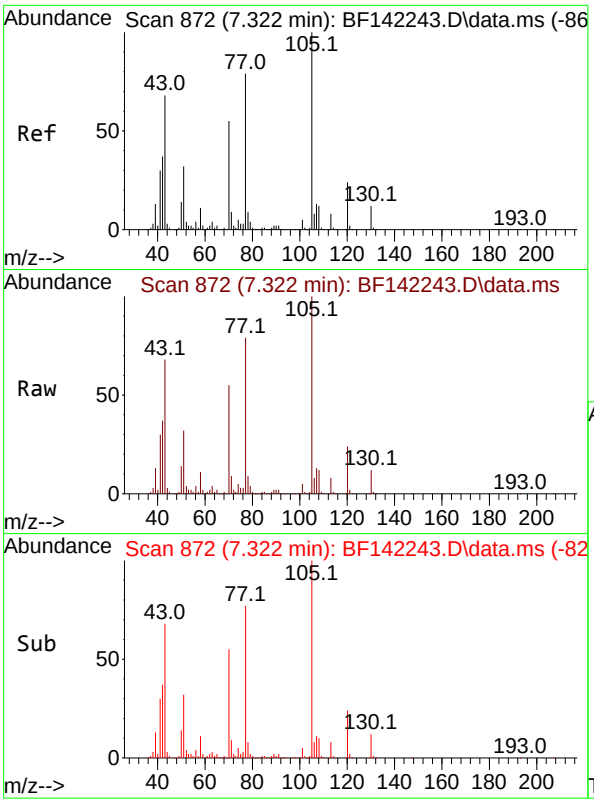


#18
Hexachloroethane
Concen: 42.322 ng
RT: 7.428 min Scan# 890
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:117 Resp: 183881

Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.1	115.7
201	99.3	79.4	119.2

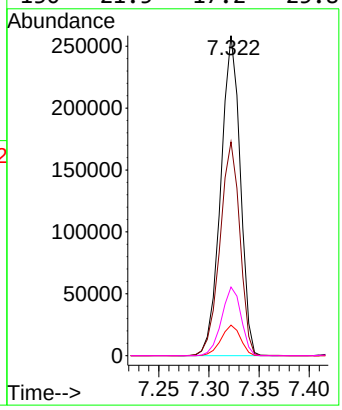




#19
n-Nitroso-di-n-propylamine
Concen: 41.410 ng
RT: 7.322 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 70 Resp: 34828

Ion	Ratio	Lower	Upper
70	100		
42	66.8	53.4	80.2
101	9.6	7.7	11.5
130	21.5	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
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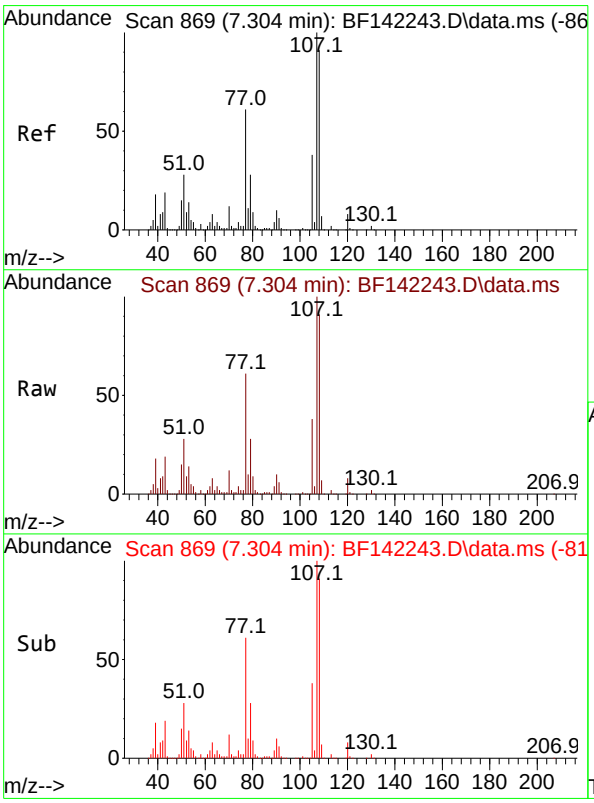
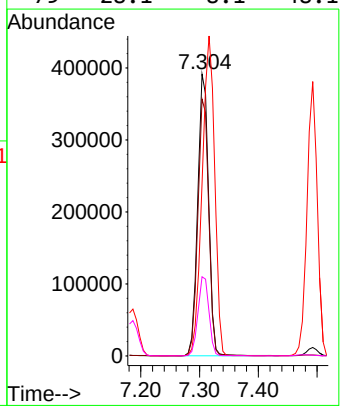
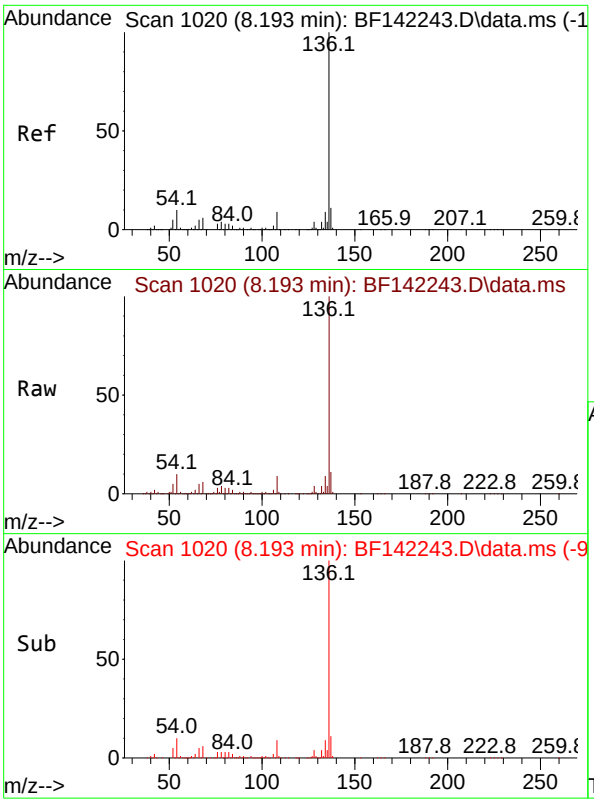


#20
3+4-Methylphenols
Concen: 42.229 ng
RT: 7.304 min Scan# 869
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:107 Resp: 503856

Ion	Ratio	Lower	Upper
107	100		
108	91.2	71.2	111.2
77	61.1	41.1	81.1
79	28.1	8.1	48.1

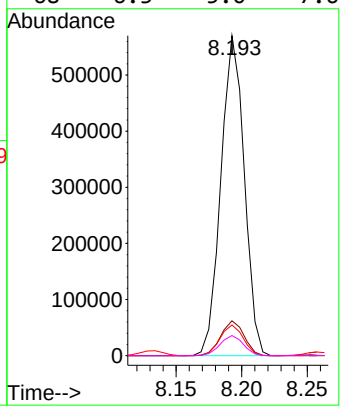




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.193 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:136 Resp: 70624

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	9.6	7.7	11.5
68	6.3	5.0	7.6



Instrument :
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ClientSampleId :
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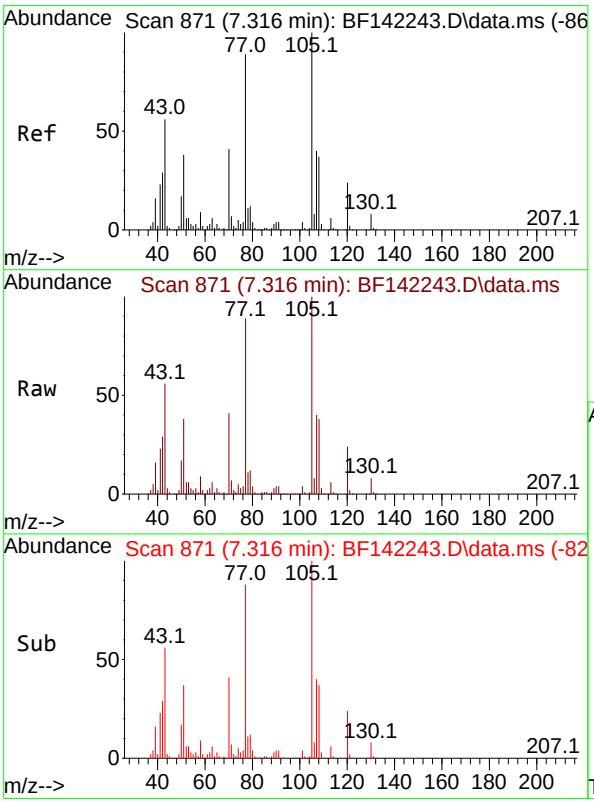
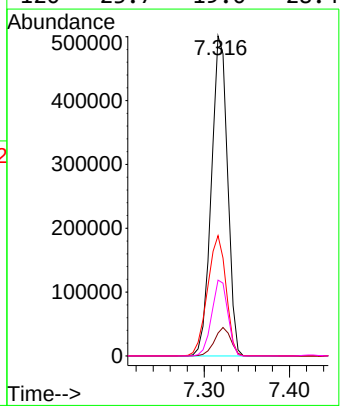
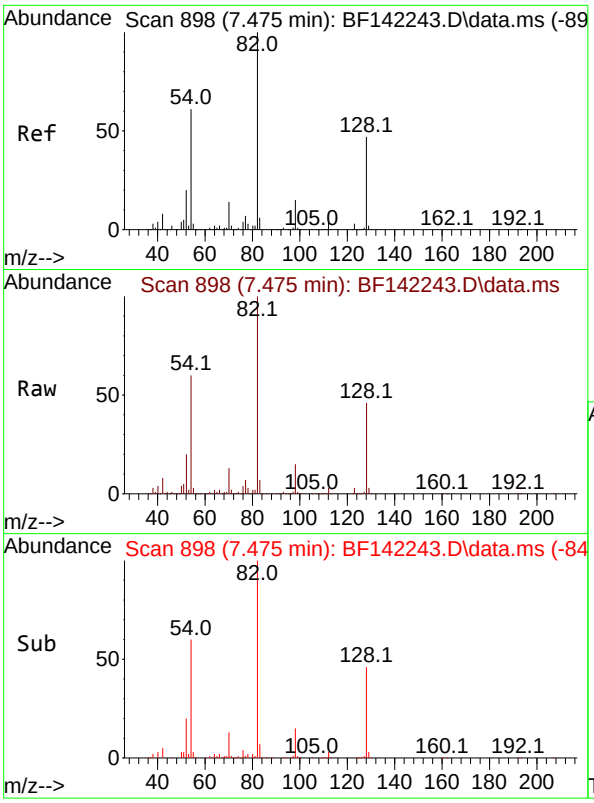


#22
Acetophenone
Concen: 40.454 ng
RT: 7.316 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:105 Resp: 660959

Ion	Ratio	Lower	Upper
105	100		
71	7.1	5.7	8.5
51	37.6	30.1	45.1
120	23.7	19.0	28.4





#23
Nitrobenzene-d5
Concen: 89.396 ng
RT: 7.475 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 82 Resp: 96100

Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.0	55.6
54	60.0	48.0	72.0

Instrument :
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ClientSampleId :
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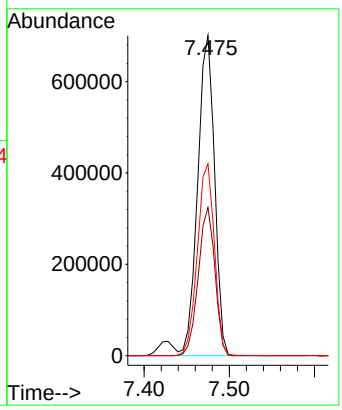
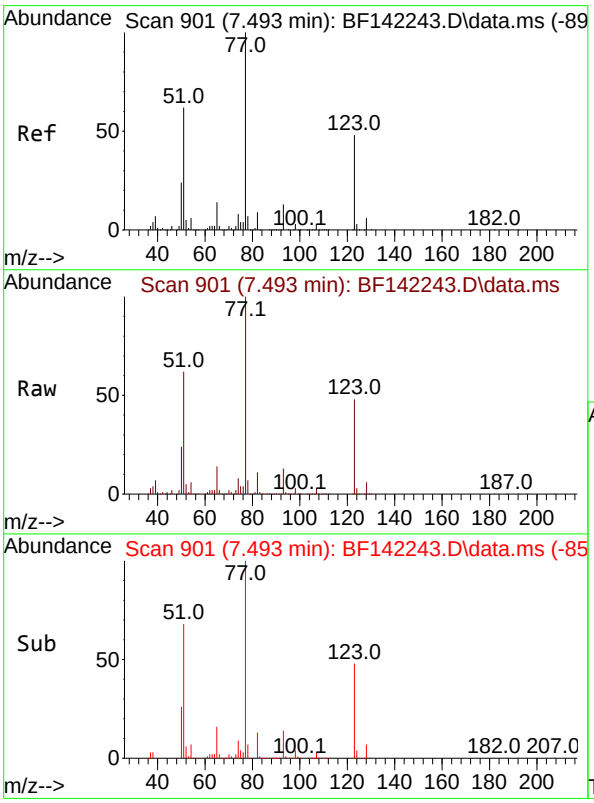
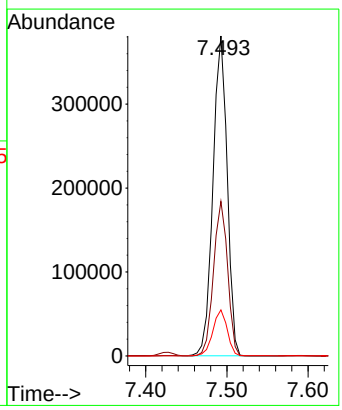


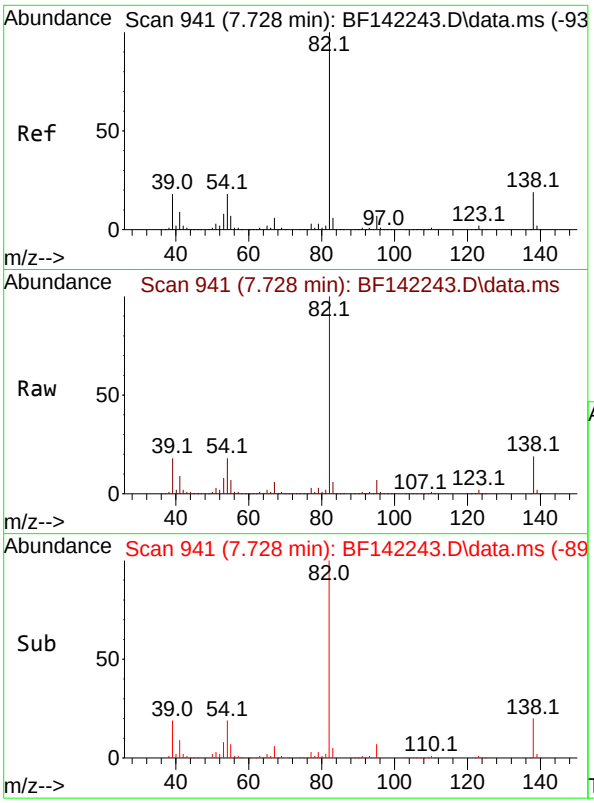


#24
Nitrobenzene
Concen: 43.929 ng
RT: 7.493 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 77 Resp: 463357

Ion	Ratio	Lower	Upper
77	100		
123	48.3	38.6	58.0
65	14.4	11.5	17.3

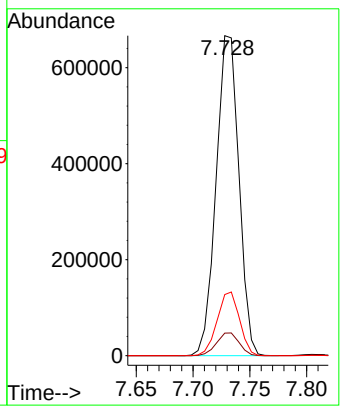




#25
Isophorone
Concen: 41.299 ng
RT: 7.728 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 82 Resp: 93176

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.6	8.4
138	19.1	15.3	22.9



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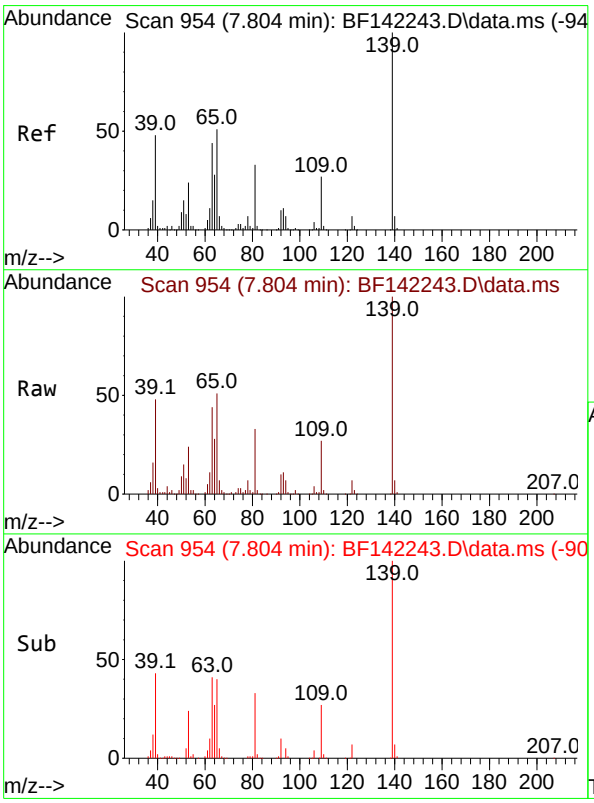
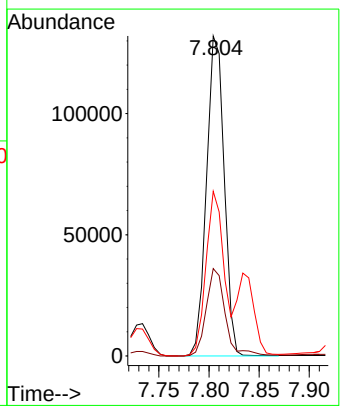
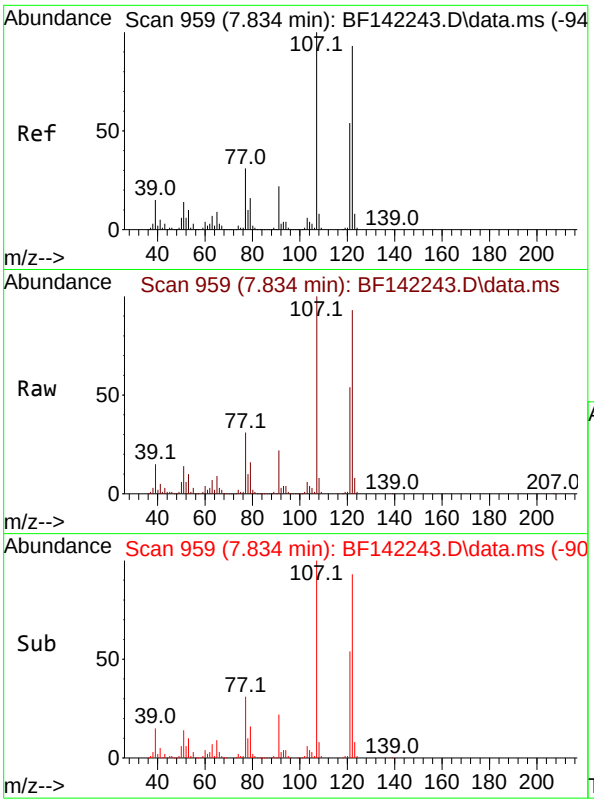


#26
2-Nitrophenol
Concen: 38.737 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:139 Resp: 162563

Ion	Ratio	Lower	Upper
139	100		
109	27.3	21.8	32.8
65	51.4	41.1	61.7

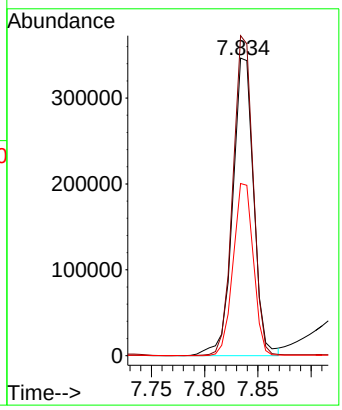




#27
2,4-Dimethylphenol
Concen: 41.862 ng
RT: 7.834 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:122 Resp: 47618

Ion	Ratio	Lower	Upper
122	100		
107	107.5	86.0	129.0
121	57.9	46.3	69.5



Instrument :
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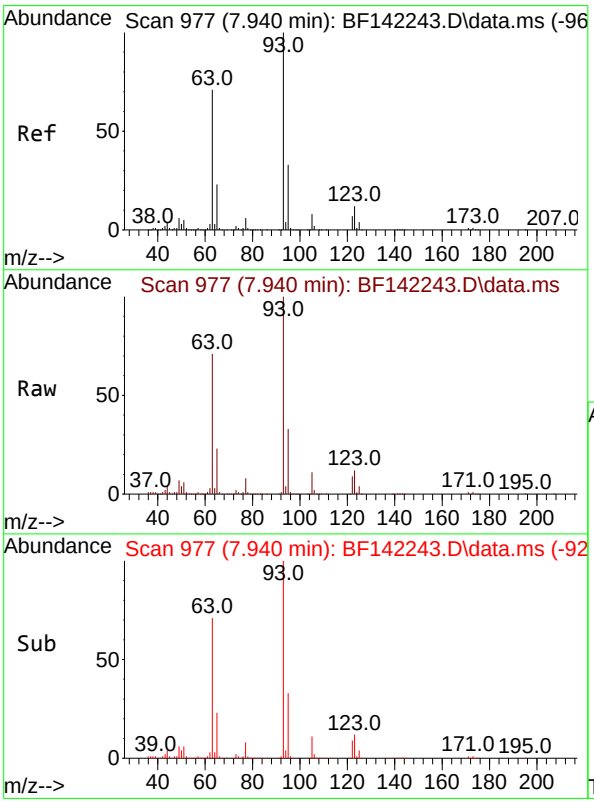
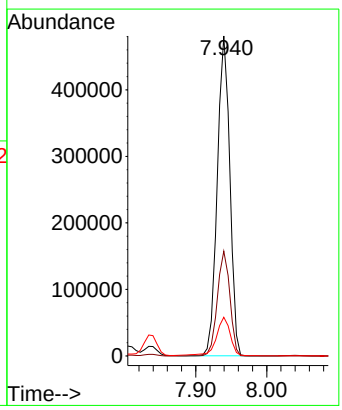
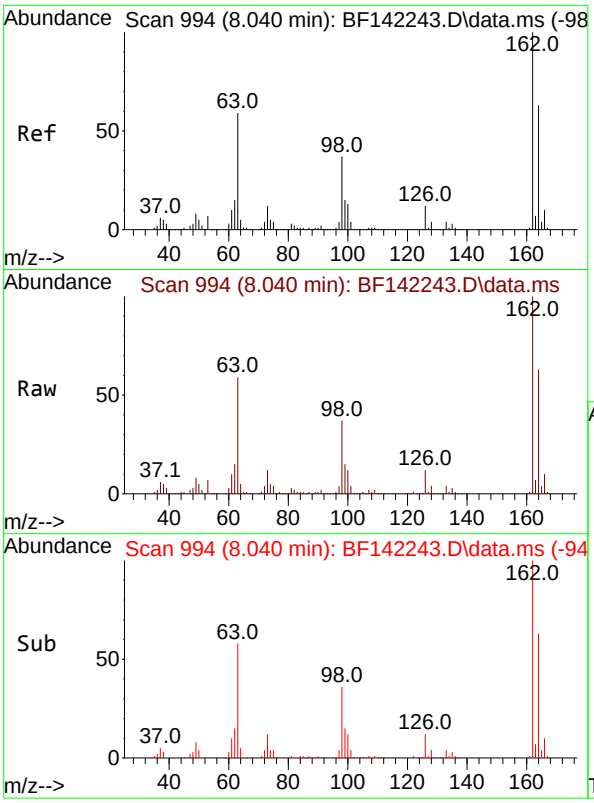


#28
bis(2-Chloroethoxy)methane
Concen: 41.247 ng
RT: 7.940 min Scan# 977
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 93 Resp: 586887

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.2	39.2
123	12.1	9.7	14.5

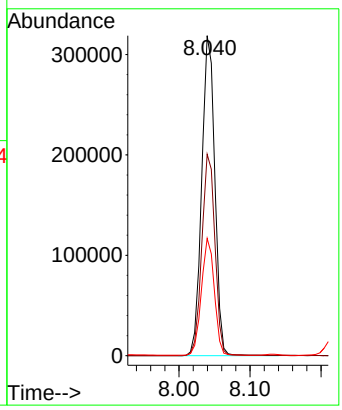




#29
2,4-Dichlorophenol
Concen: 43.163 ng
RT: 8.040 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:162 Resp: 41048

Ion	Ratio	Lower	Upper
162	100		
164	63.0	43.0	83.0
98	36.7	16.7	56.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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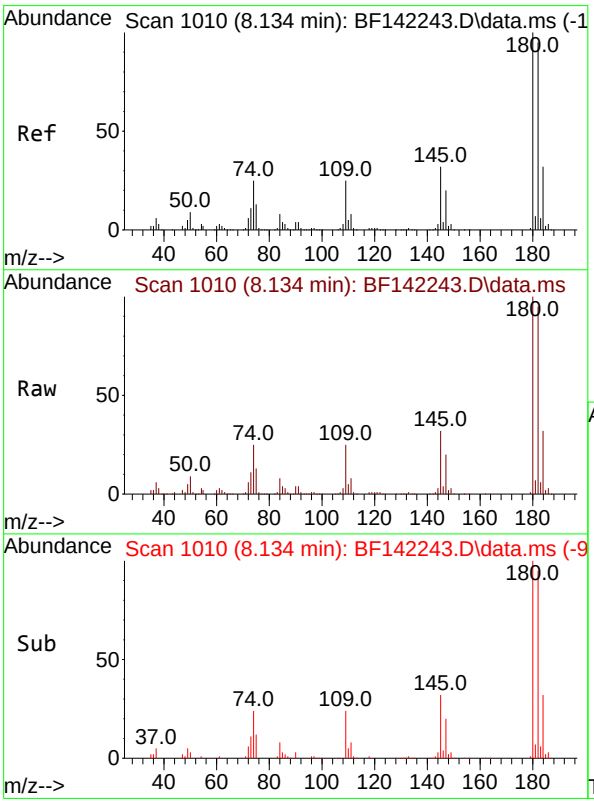
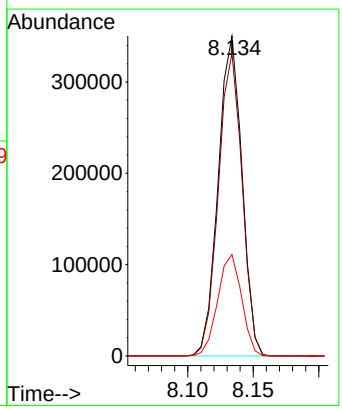
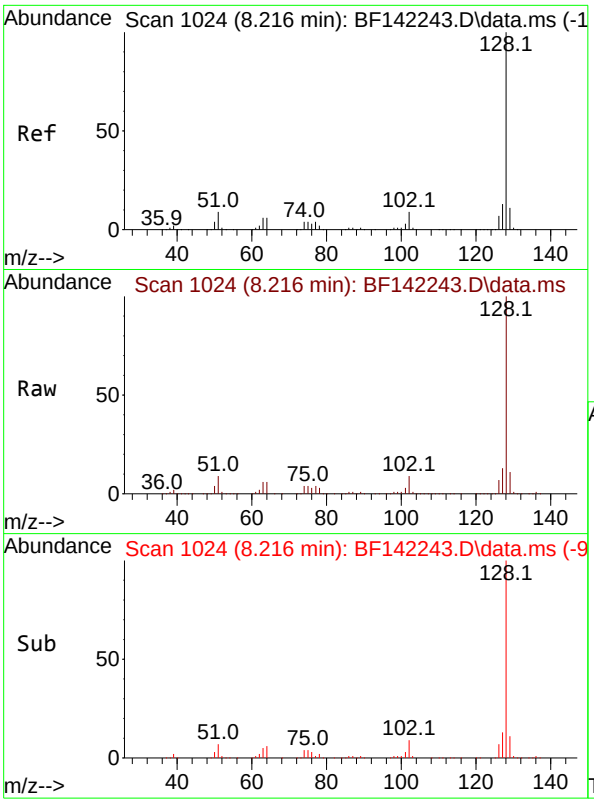


#30
1,2,4-Trichlorobenzene
Concen: 41.539 ng
RT: 8.134 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:180 Resp: 440825

Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.7	113.5
145	31.7	25.4	38.0

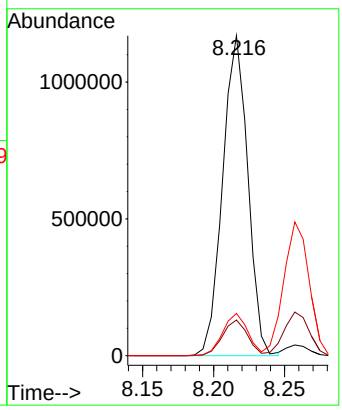




#31
Naphthalene
Concen: 40.920 ng
RT: 8.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:128 Resp: 144124

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	13.2	10.6	15.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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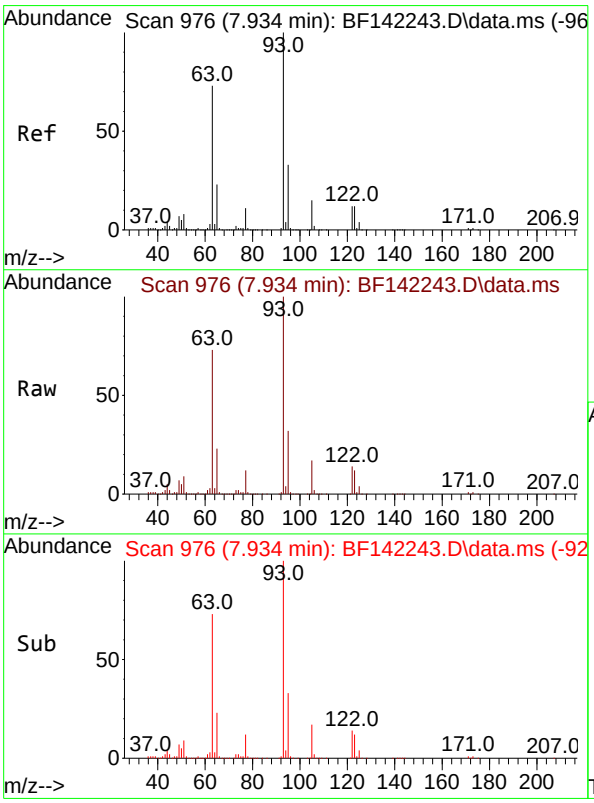
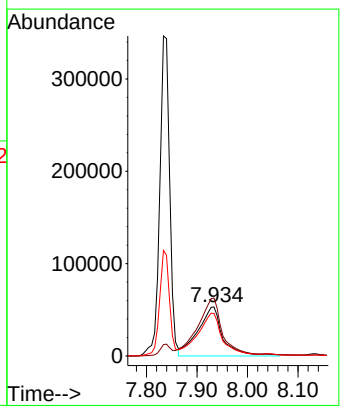
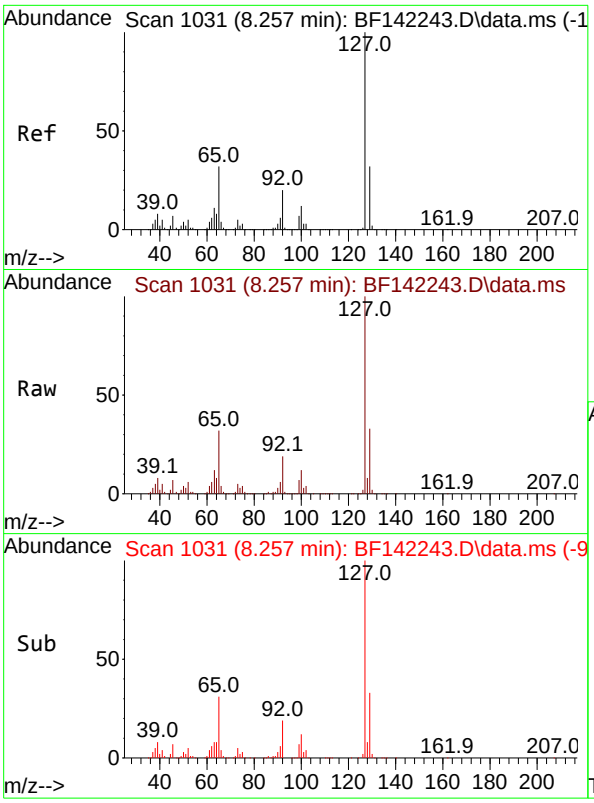


#32
Benzoic acid
Concen: 37.083 ng m
RT: 7.934 min Scan# 976
Delta R.T. -0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:122 Resp: 184052

Ion	Ratio	Lower	Upper
122	100		
105	118.2	98.2	138.2
77	86.8	66.8	106.8

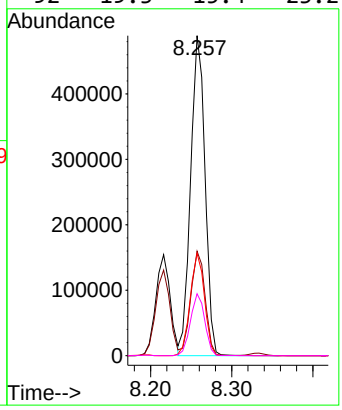




#33
4-Chloroaniline
Concen: 41.328 ng
RT: 8.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:127 Resp: 60613

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	31.9	25.5	38.3
92	19.3	15.4	23.2



Instrument :
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ClientSampleId :
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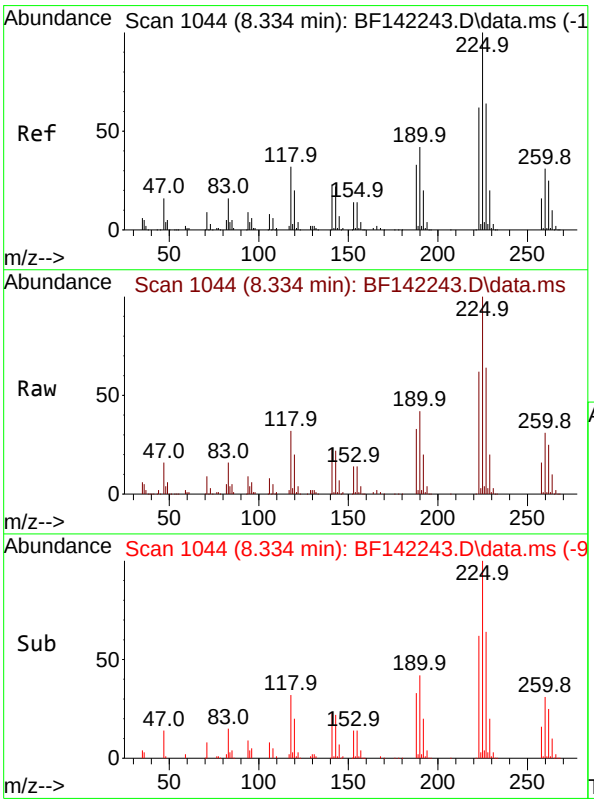
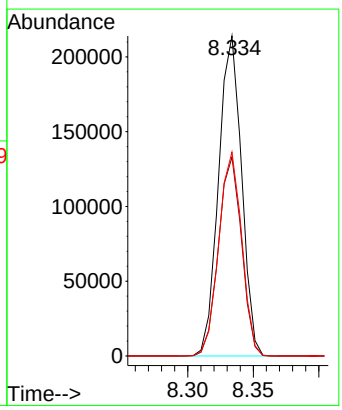
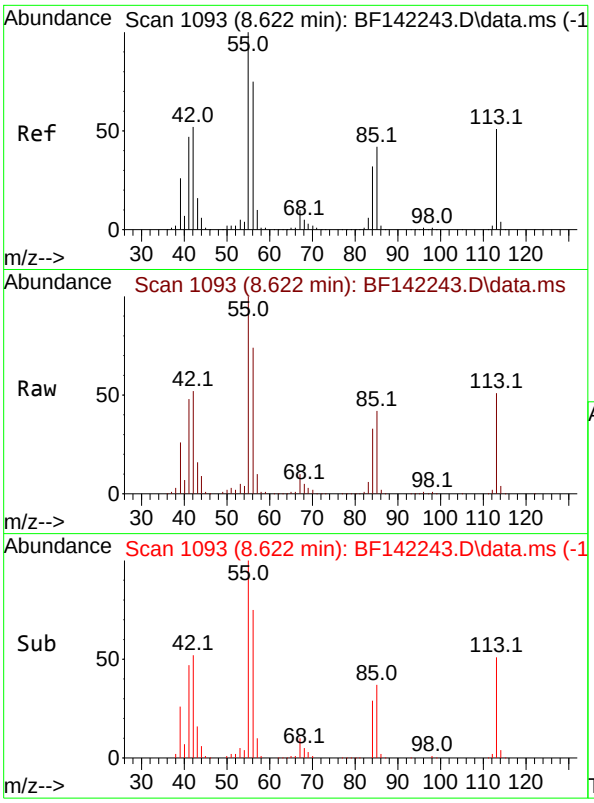


#34
Hexachlorobutadiene
Concen: 42.125 ng
RT: 8.334 min Scan# 1044
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:225 Resp: 260821

Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.7	74.5
227	63.7	51.0	76.4





#35
Caprolactam
Concen: 42.889 ng
RT: 8.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:113 Resp: 12259

Ion	Ratio	Lower	Upper
113	100		
55	197.7	177.7	217.7
56	147.1	127.1	167.1

Instrument :
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ClientSampleId :
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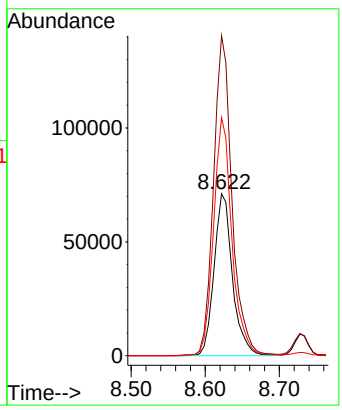
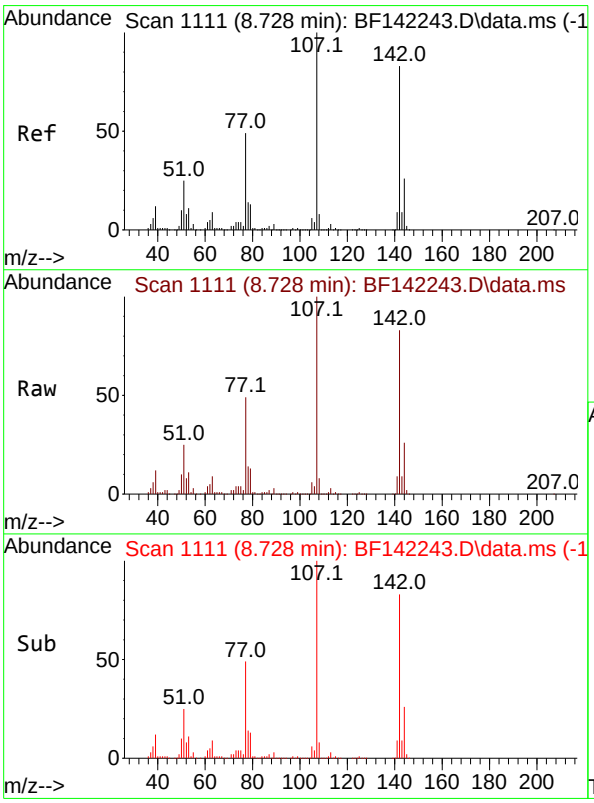
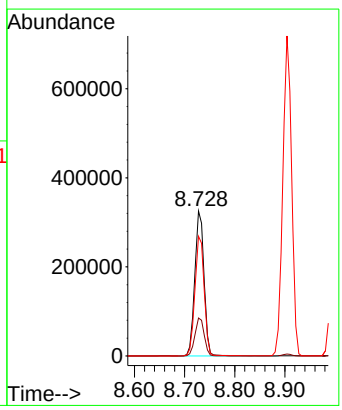


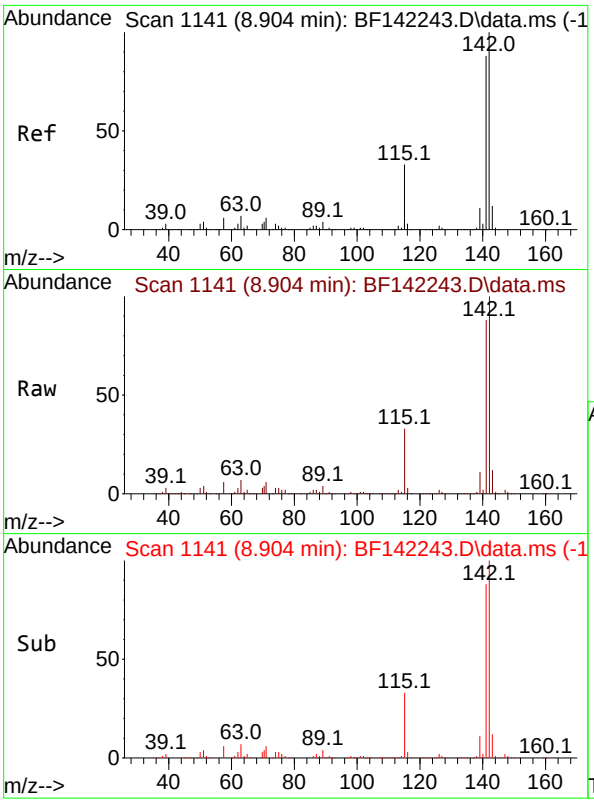


#36
4-Chloro-3-methylphenol
Concen: 42.715 ng
RT: 8.728 min Scan# 1111
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:107 Resp: 417126

Ion	Ratio	Lower	Upper
107	100		
144	26.2	21.0	31.4
142	82.6	66.1	99.1

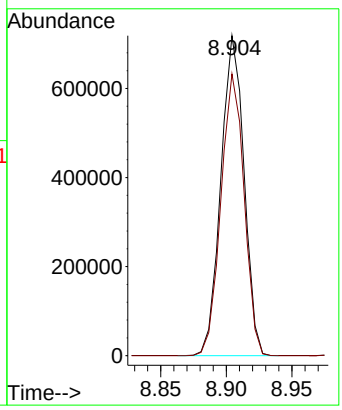




#37
2-Methylnaphthalene
Concen: 40.652 ng
RT: 8.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:142 Resp: 88031

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.5	105.7



Instrument :
BNA_F
ClientSampleId :
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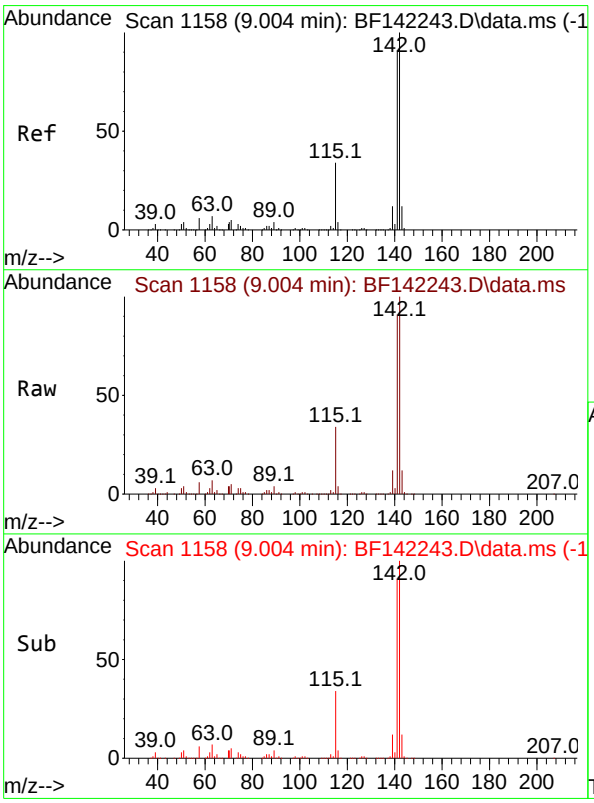
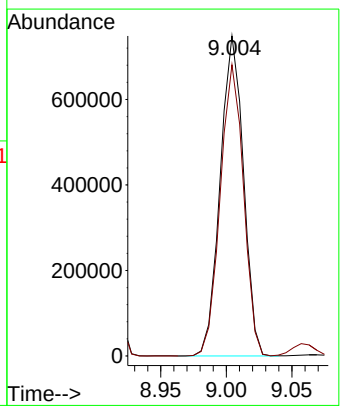
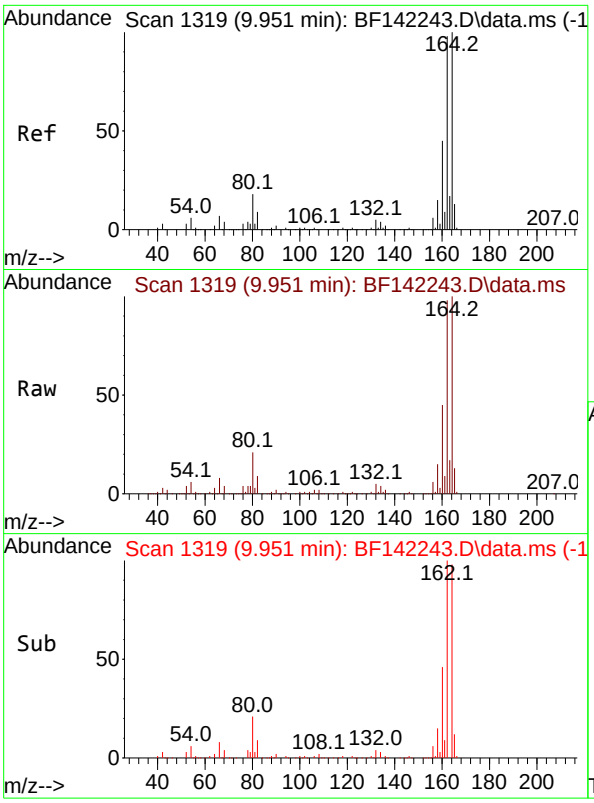


#38
1-Methylnaphthalene
Concen: 41.054 ng
RT: 9.004 min Scan# 1158
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:142 Resp: 920983

Ion	Ratio	Lower	Upper
142	100		
141	91.0	72.8	109.2

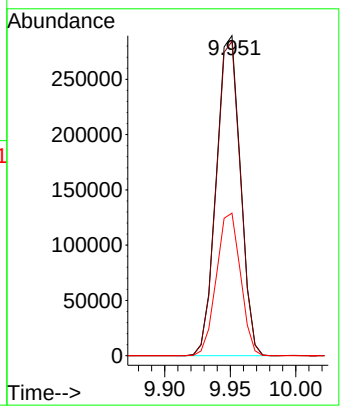




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:164 Resp: 370869

Ion	Ratio	Lower	Upper
164	100		
162	98.2	78.6	117.8
160	44.6	35.7	53.5



Instrument :
BNA_F
ClientSampleId :
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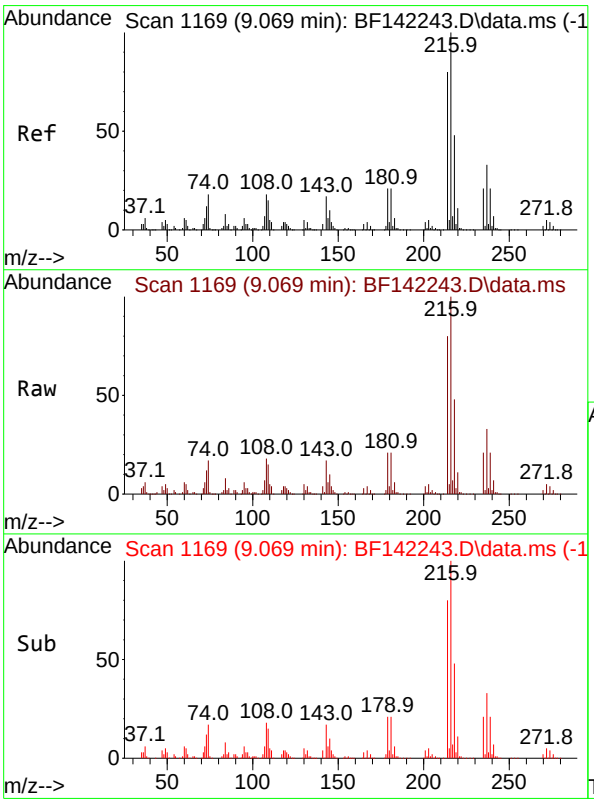
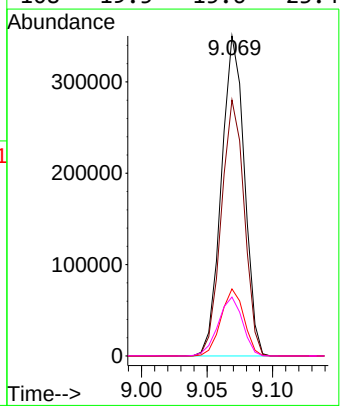
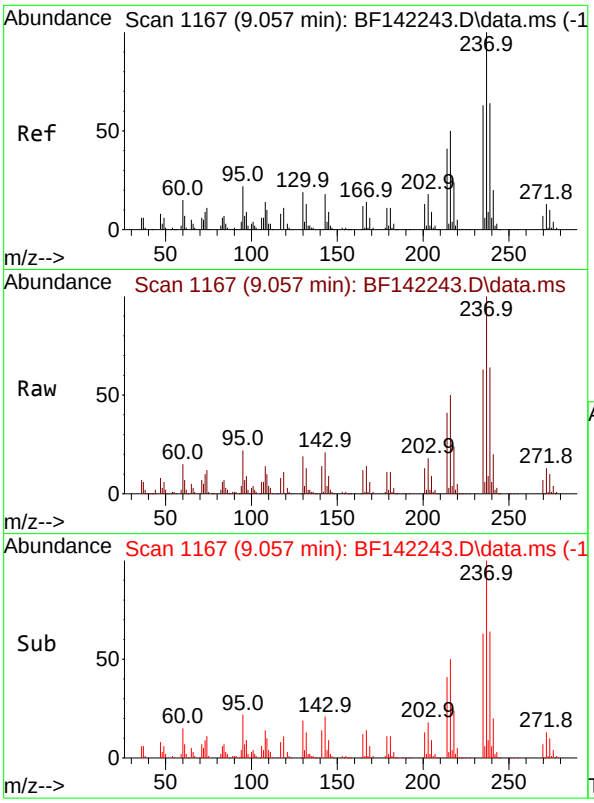


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.938 ng
RT: 9.069 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:216 Resp: 427286

Ion	Ratio	Lower	Upper
216	100		
214	79.7	63.8	95.6
179	20.9	16.7	25.1
108	19.5	15.6	23.4

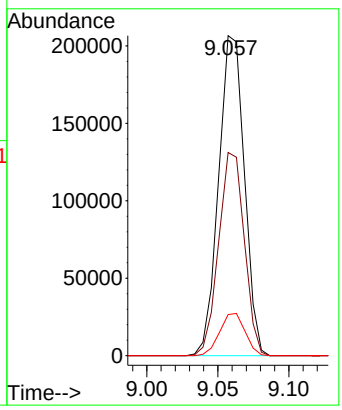




#41
Hexachlorocyclopentadiene
Concen: 44.056 ng
RT: 9.057 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:237 Resp: 26097

Ion	Ratio	Lower	Upper
237	100		
235	63.5	43.5	83.5
272	12.9	0.0	32.9



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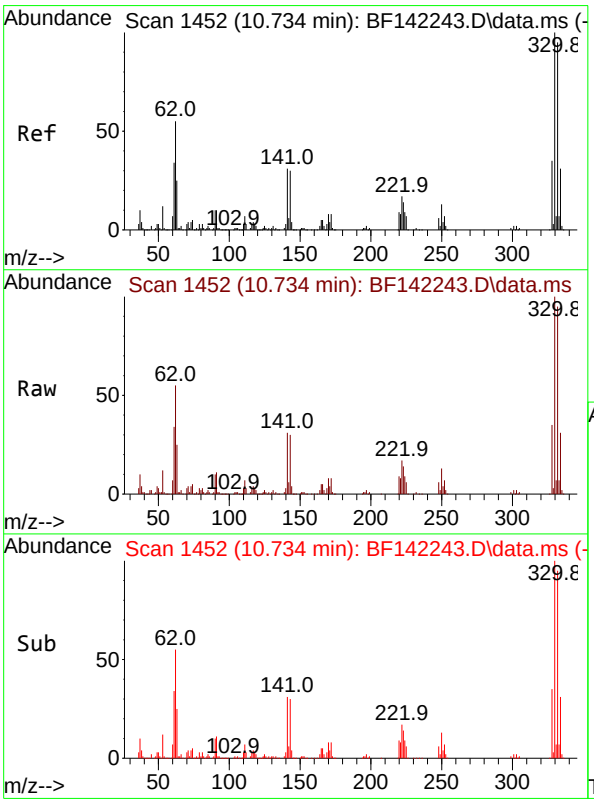
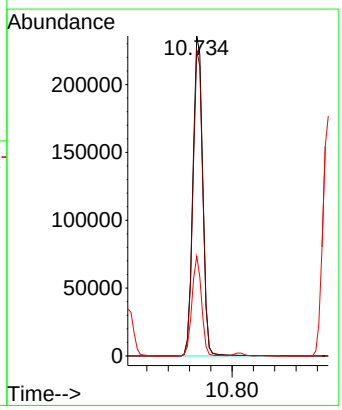
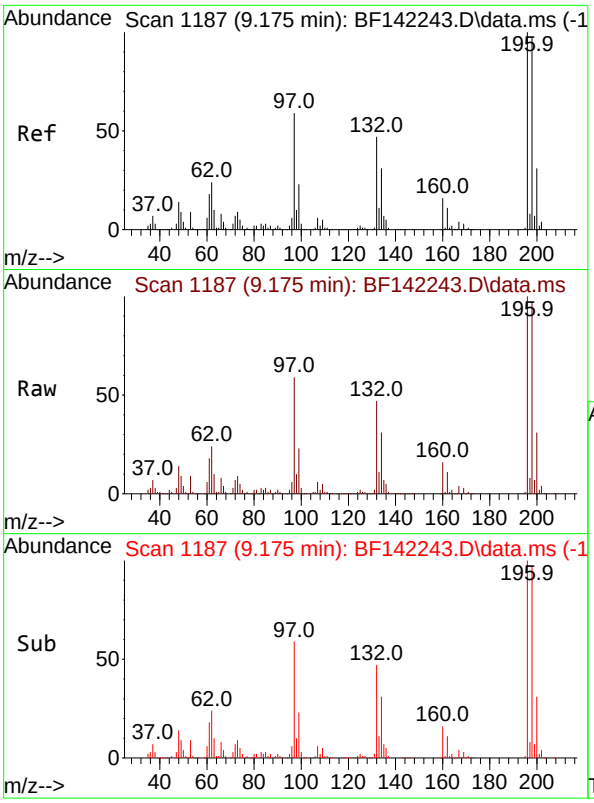


#42
2,4,6-Tribromophenol
Concen: 89.389 ng
RT: 10.734 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:330 Resp: 302223

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.5	114.7
141	30.4	24.3	36.5

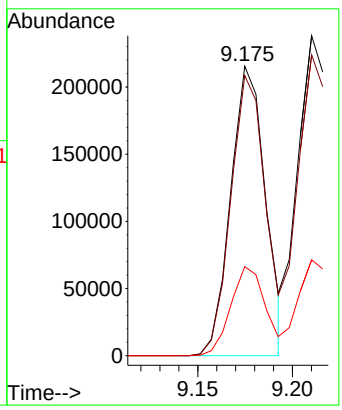




#43
2,4,6-Trichlorophenol
Concen: 42.450 ng
RT: 9.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:196 Resp: 27455

Ion	Ratio	Lower	Upper
196	100		
198	96.8	77.4	116.2
200	30.8	24.6	37.0



Instrument :
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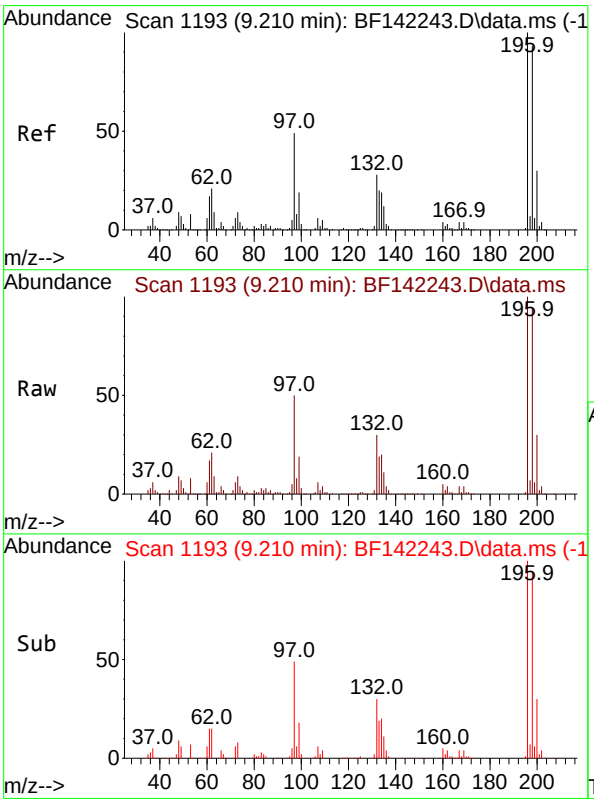
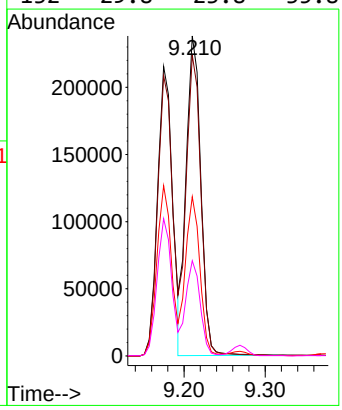
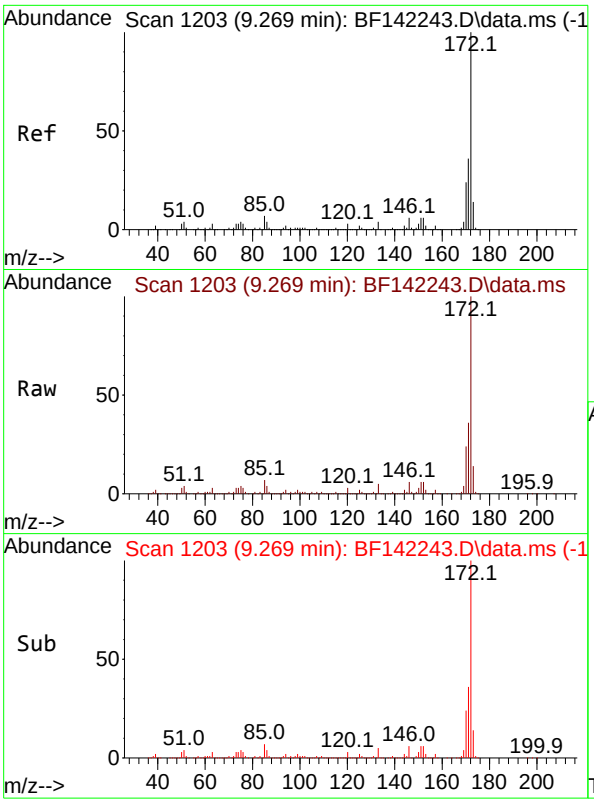


#44
2,4,5-Trichlorophenol
Concen: 44.113 ng
RT: 9.210 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:196 Resp: 299967

Ion	Ratio	Lower	Upper
196	100		
198	94.0	75.2	112.8
97	49.8	39.8	59.8
132	29.8	23.8	35.8

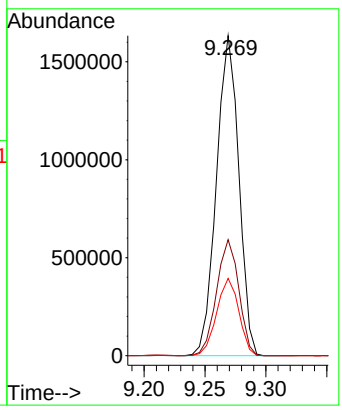




#45
2-Fluorobiphenyl
Concen: 79.446 ng
RT: 9.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:172 Resp: 208970

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.0	43.4
170	24.2	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
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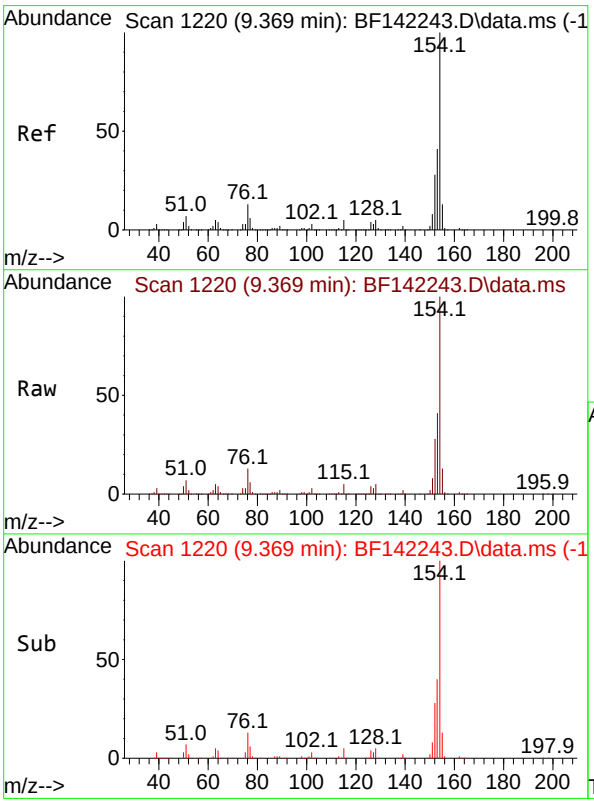
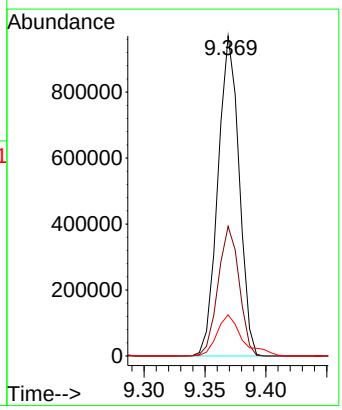
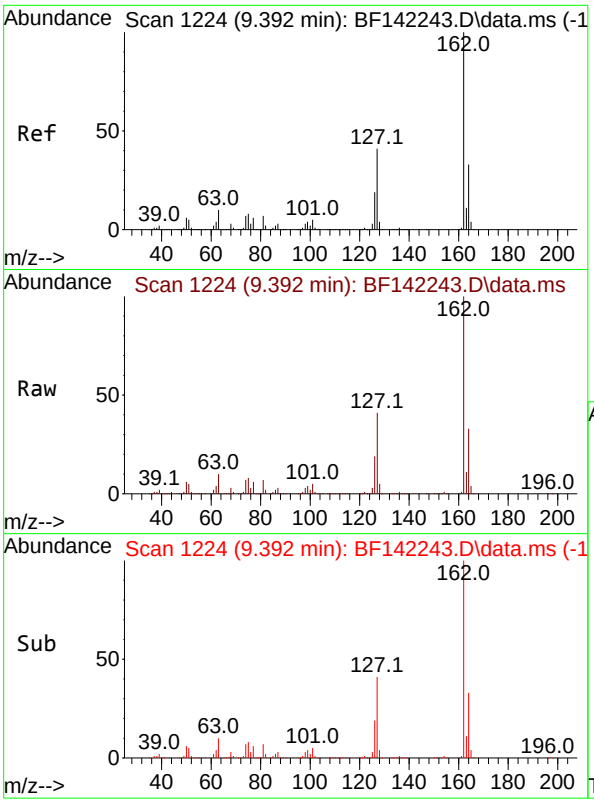


#46
1,1'-Biphenyl
Concen: 40.664 ng
RT: 9.369 min Scan# 1220
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:154 Resp: 1172400

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.5	60.5
76	12.8	0.0	32.8

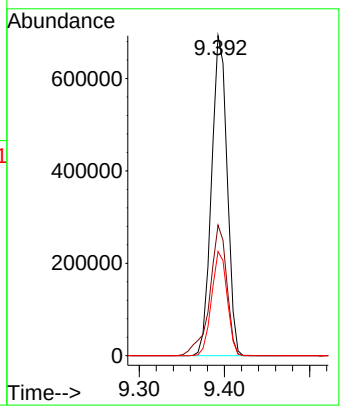




#47
2-Chloronaphthalene
Concen: 40.984 ng
RT: 9.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:162 Resp: 87915

Ion	Ratio	Lower	Upper
162	100		
127	40.8	32.6	49.0
164	32.6	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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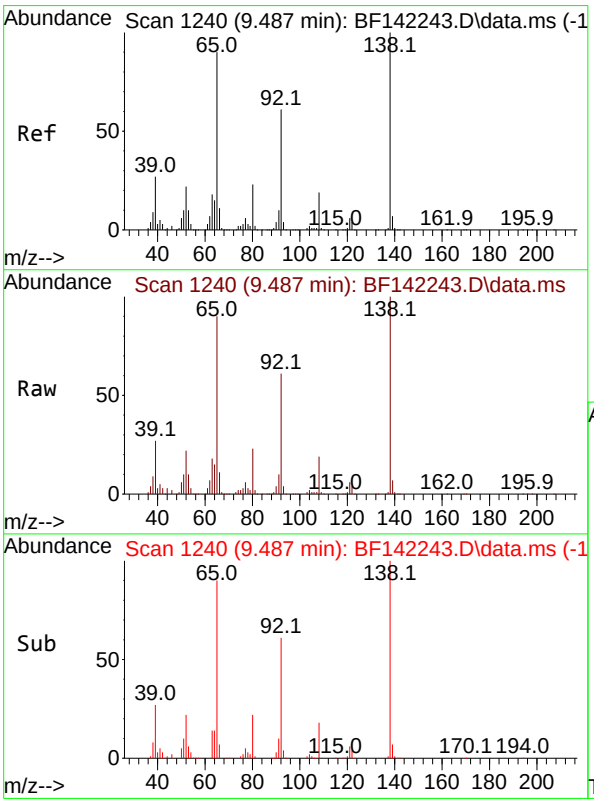
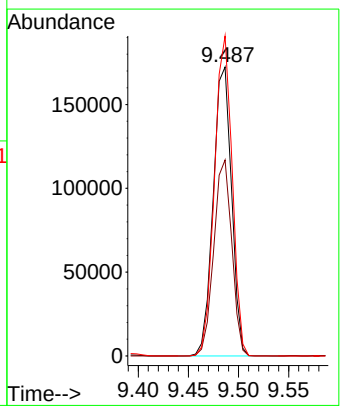
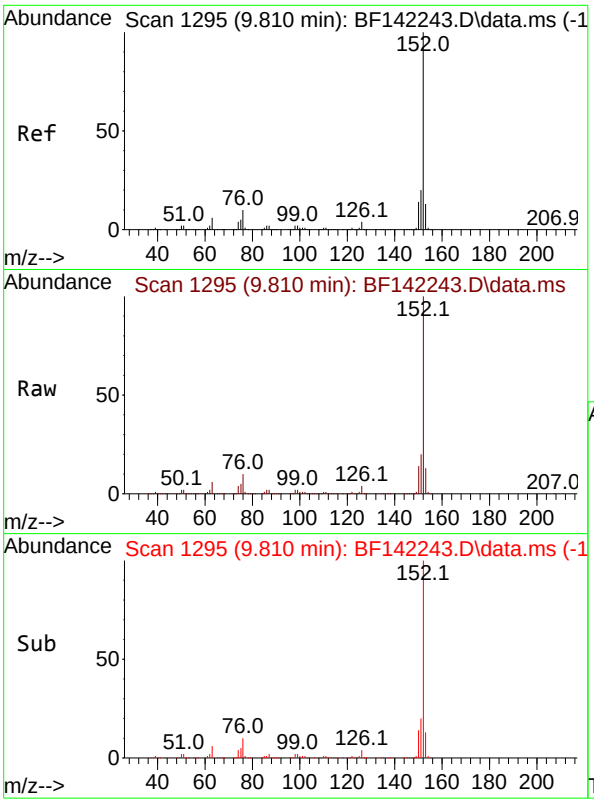


#48
2-Nitroaniline
Concen: 39.600 ng
RT: 9.487 min Scan# 1240
Delta R.T. -0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 65 Resp: 218766

Ion	Ratio	Lower	Upper
65	100		
92	67.9	54.3	81.5
138	110.8	88.6	133.0

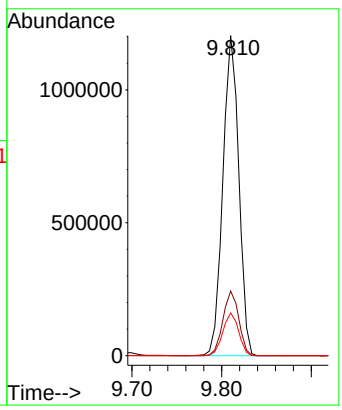




#49
Acenaphthylene
Concen: 40.929 ng
RT: 9.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:152 Resp: 148154

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.4	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
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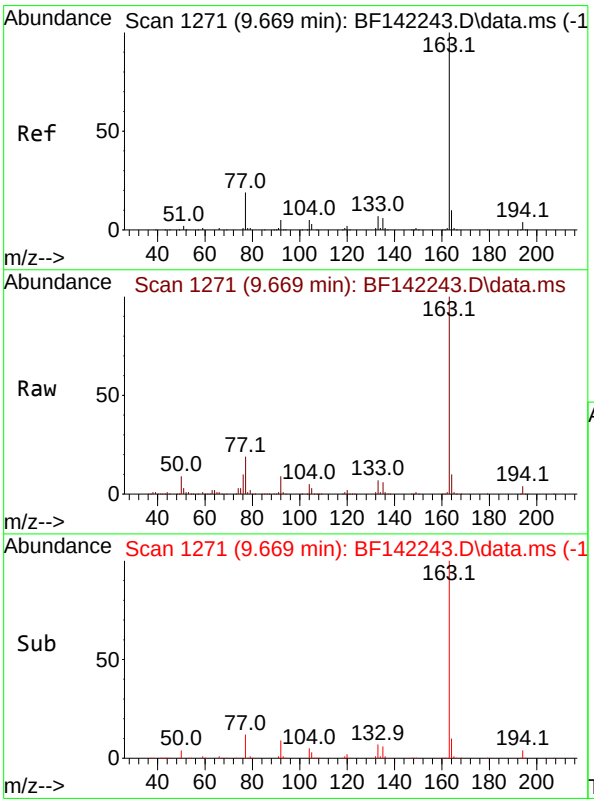
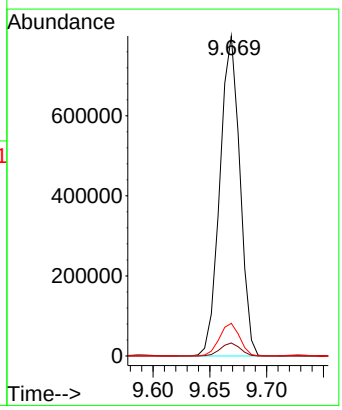
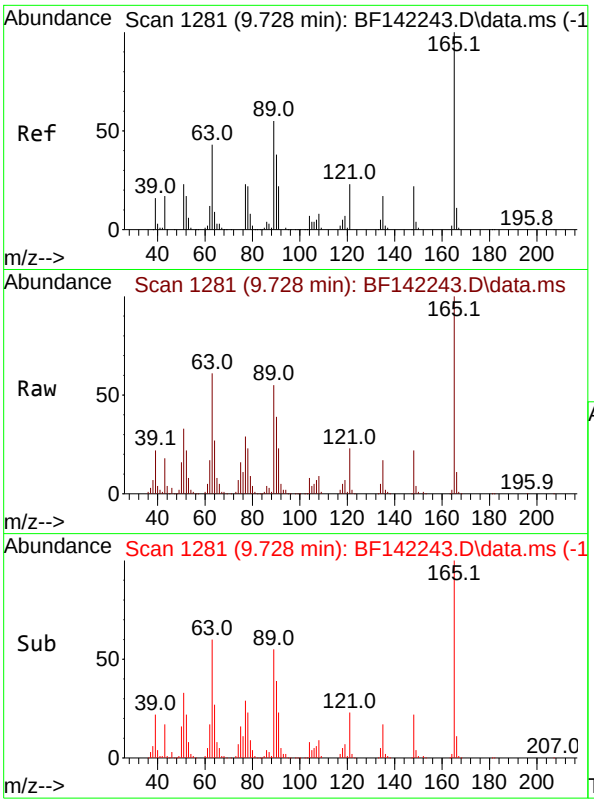


#50
Dimethylphthalate
Concen: 41.312 ng
RT: 9.669 min Scan# 1271
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:163 Resp: 980172

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.2	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 40.034 ng
RT: 9.728 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:165 Resp: 17886

Ion	Ratio	Lower	Upper
165	100		
63	60.6	48.5	72.7
89	54.9	43.9	65.9

Instrument :
BNA_F
ClientSampleId :
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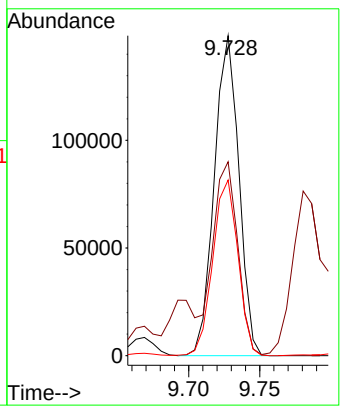
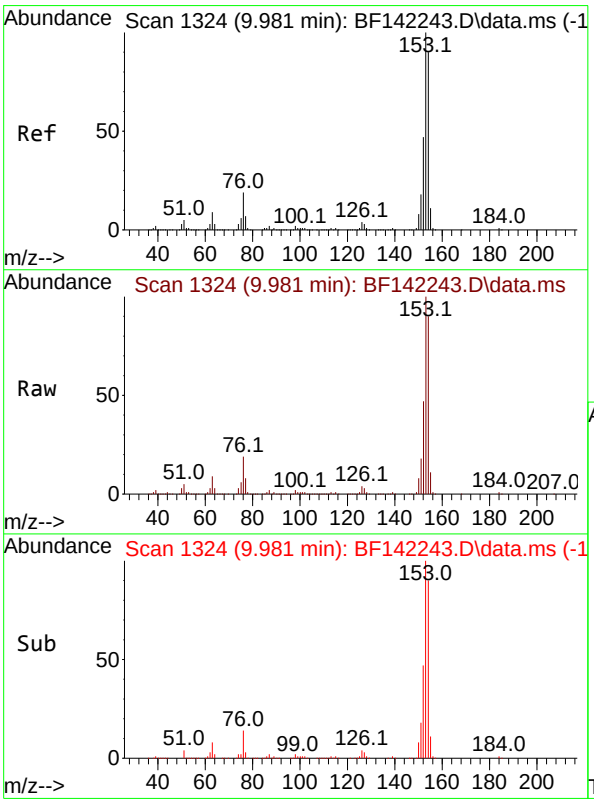
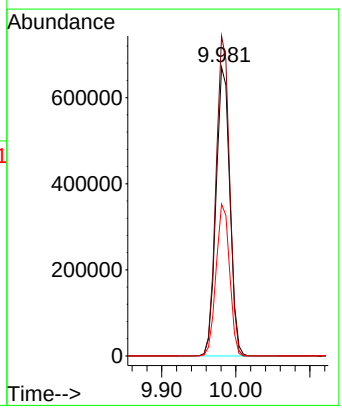


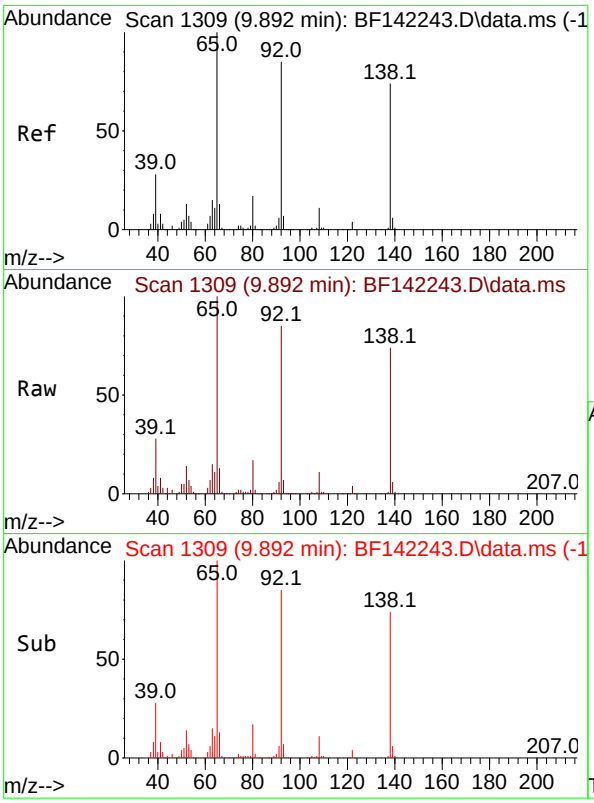


#52
Acenaphthene
Concen: 41.145 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:154 Resp: 869604

Ion	Ratio	Lower	Upper
154	100		
153	110.8	88.6	133.0
152	52.6	42.1	63.1

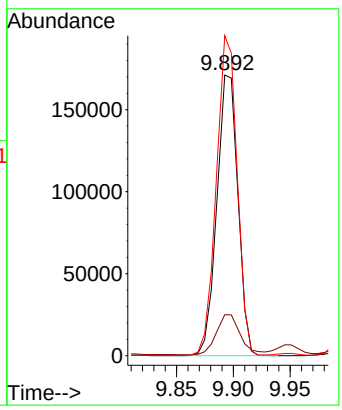




#53
3-Nitroaniline
Concen: 40.485 ng
RT: 9.892 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:138 Resp: 22116

Ion	Ratio	Lower	Upper
138	100		
108	14.6	11.7	17.5
92	114.0	91.2	136.8



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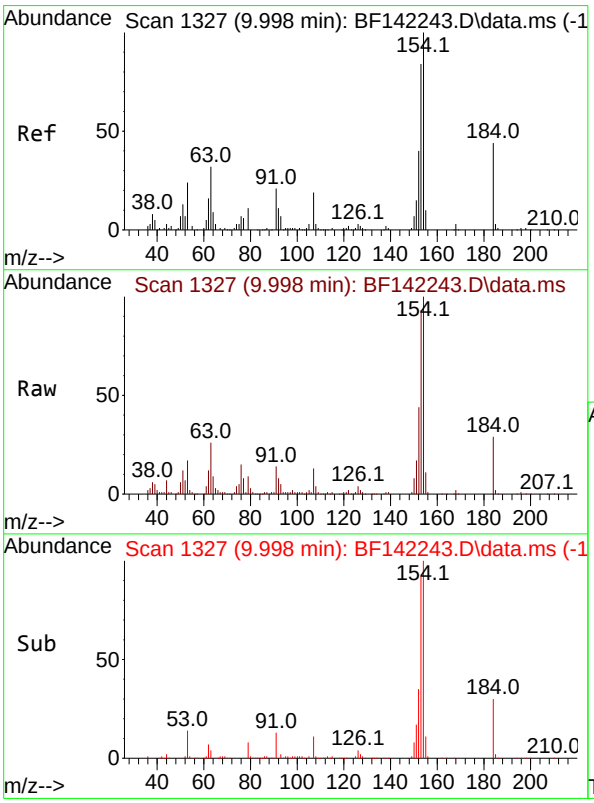
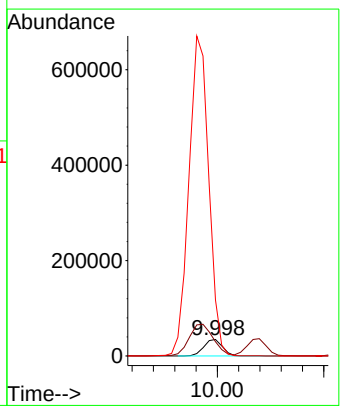
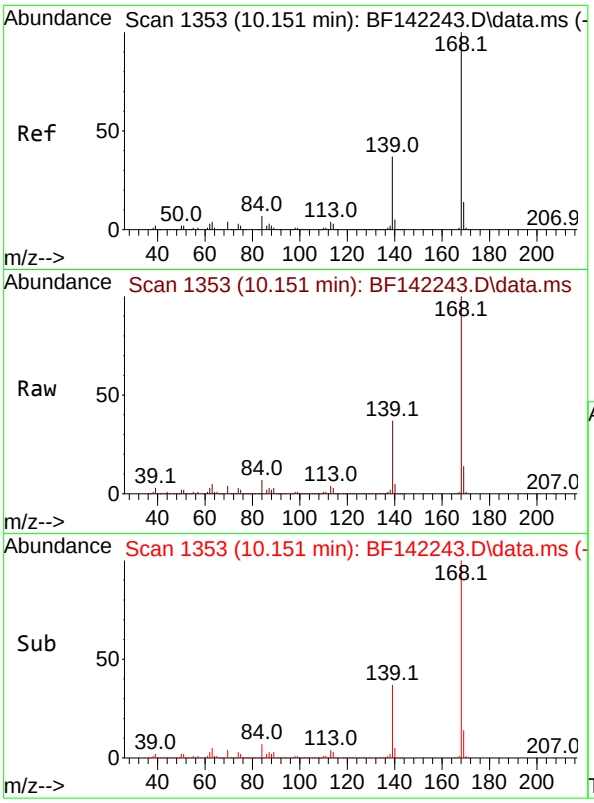


#54
2,4-Dinitrophenol
Concen: 38.466 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:184 Resp: 42260

Ion	Ratio	Lower	Upper
184	100		
63	86.5	69.2	103.8
154	339.3	271.4	407.2

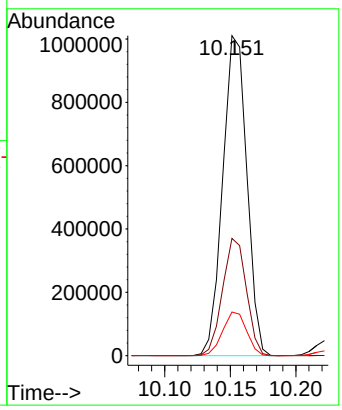




#55
Dibenzofuran
Concen: 40.813 ng
RT: 10.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:168 Resp: 129303

Ion	Ratio	Lower	Upper
168	100		
139	36.7	29.4	44.0
169	13.7	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
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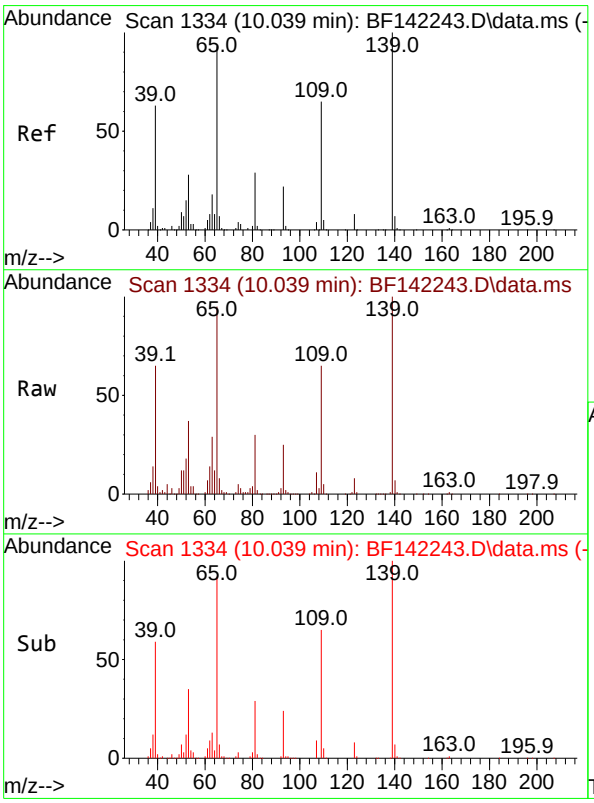
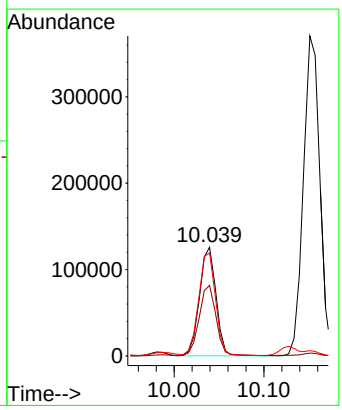
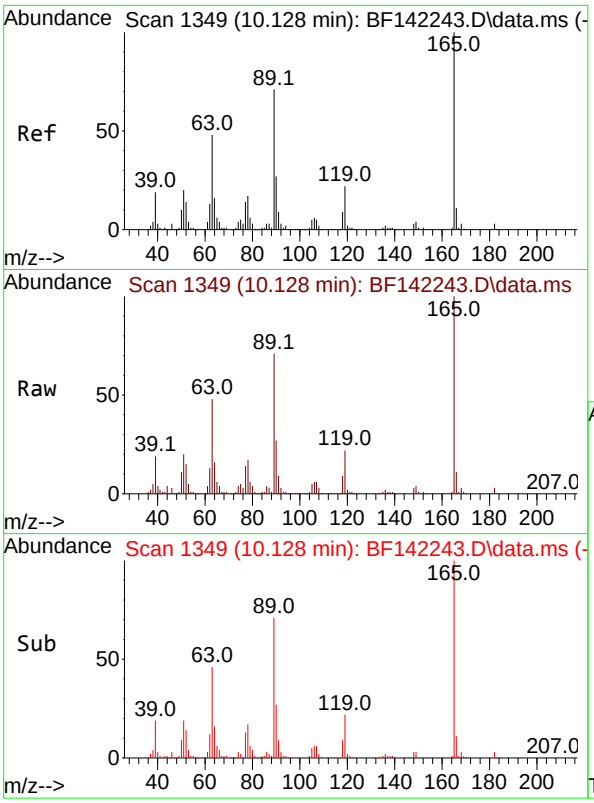


#56
4-Nitrophenol
Concen: 42.900 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:139 Resp: 159989

Ion	Ratio	Lower	Upper
139	100		
109	64.9	44.9	84.9
65	94.7	74.7	114.7

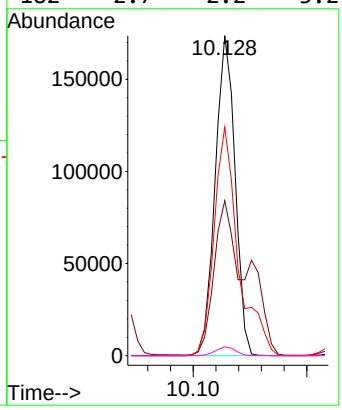




#57
2,4-Dinitrotoluene
Concen: 39.352 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:165 Resp: 21121

Ion	Ratio	Lower	Upper
165	100		
63	48.5	38.8	58.2
89	71.4	57.1	85.7
182	2.7	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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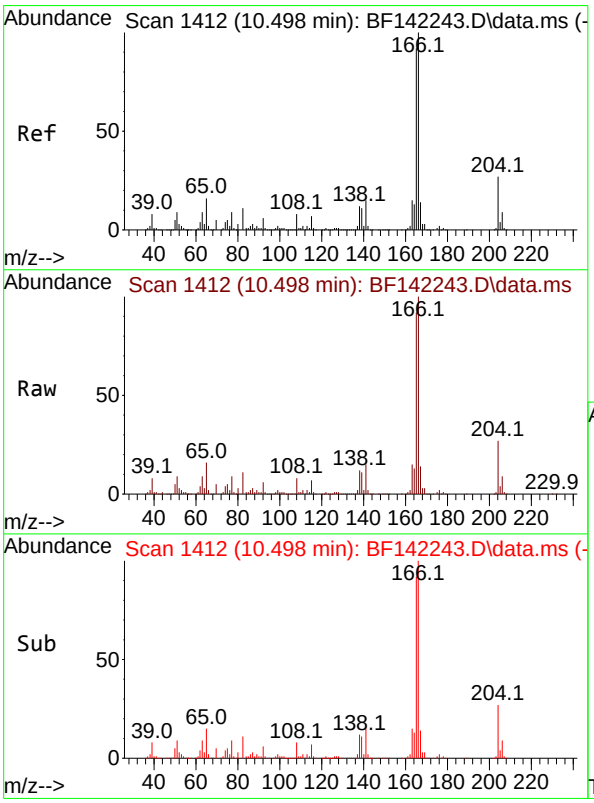
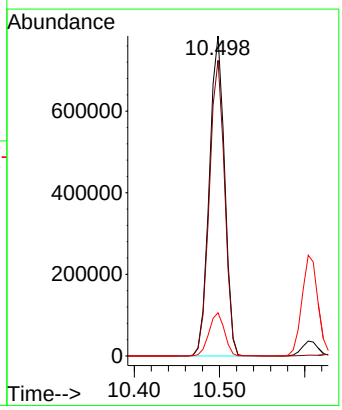
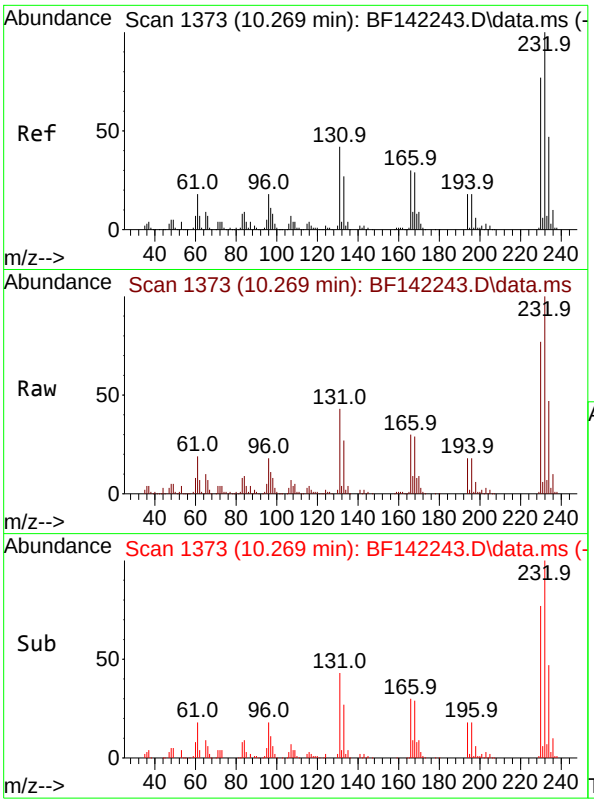


#58
Fluorene
Concen: 40.554 ng
RT: 10.498 min Scan# 1412
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:166 Resp: 976948

Ion	Ratio	Lower	Upper
166	100		
165	92.4	73.9	110.9
167	13.5	10.8	16.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 43.967 ng
RT: 10.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 24765

Ion	Ratio	Lower	Upper
232	100		
131	44.9	35.9	53.9
130	2.2	1.8	2.6
166	30.0	24.0	36.0

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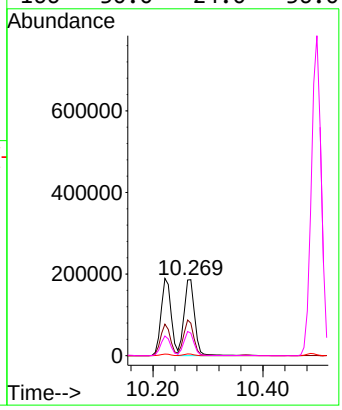
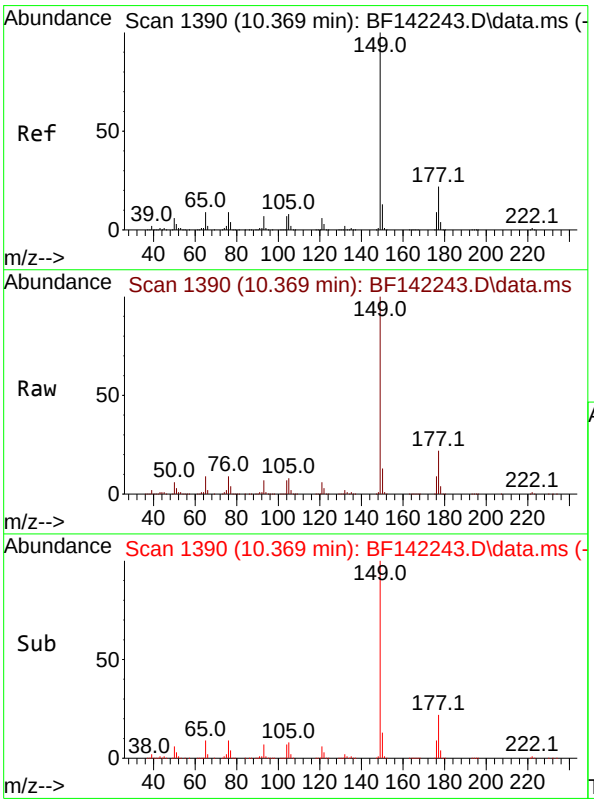
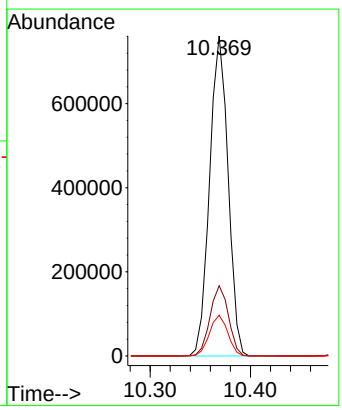


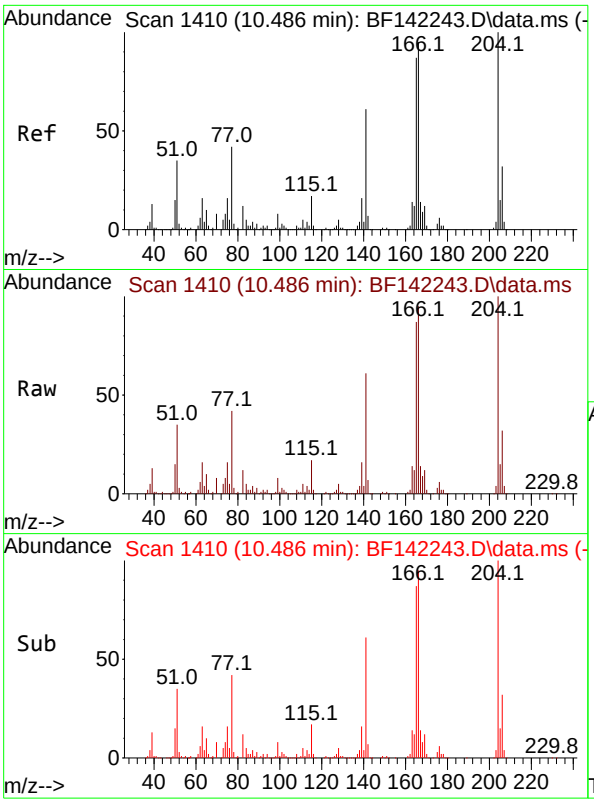


#60
Diethylphthalate
Concen: 41.573 ng
RT: 10.369 min Scan# 1390
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:149 Resp: 974036

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.6	26.4
150	12.7	10.2	15.2

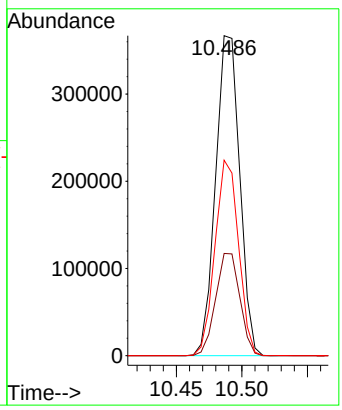




#61
4-Chlorophenyl-phenylether
Concen: 40.986 ng
RT: 10.486 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:204 Resp: 46889

Ion	Ratio	Lower	Upper
204	100		
206	32.0	25.6	38.4
141	61.1	48.9	73.3



Instrument :
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ClientSampleId :
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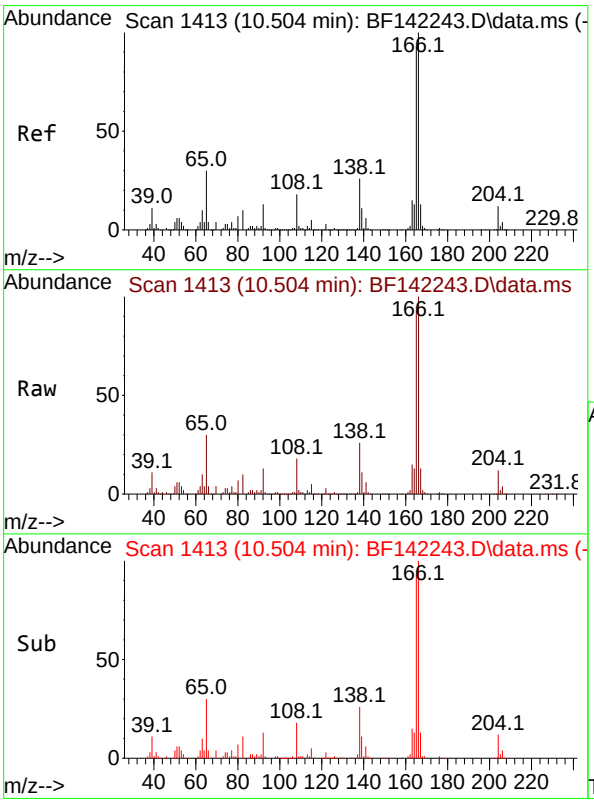
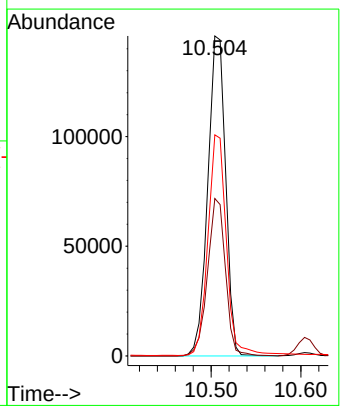
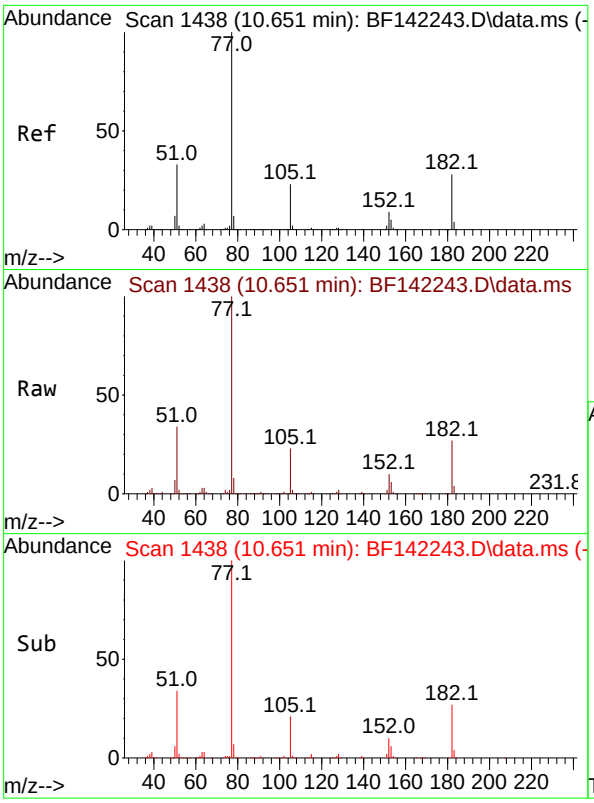


#62
4-Nitroaniline
Concen: 40.498 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:138 Resp: 201491

Ion	Ratio	Lower	Upper
138	100		
92	49.2	29.2	69.2
108	69.1	49.1	89.1

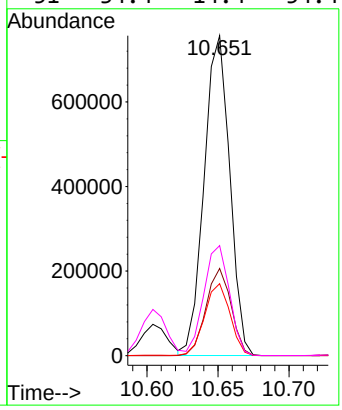




#63
Azobenzene
Concen: 40.994 ng
RT: 10.651 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 77 Resp: 94844

Ion	Ratio	Lower	Upper
77	100		
182	27.3	7.3	47.3
105	22.5	2.5	42.5
51	34.4	14.4	54.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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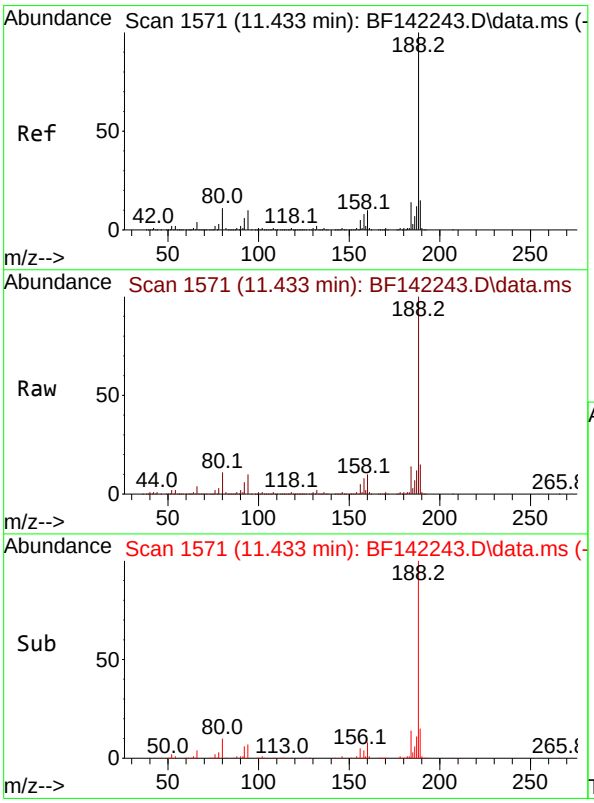
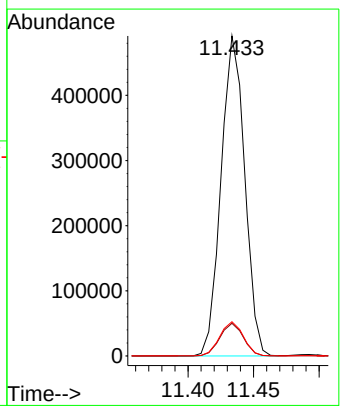
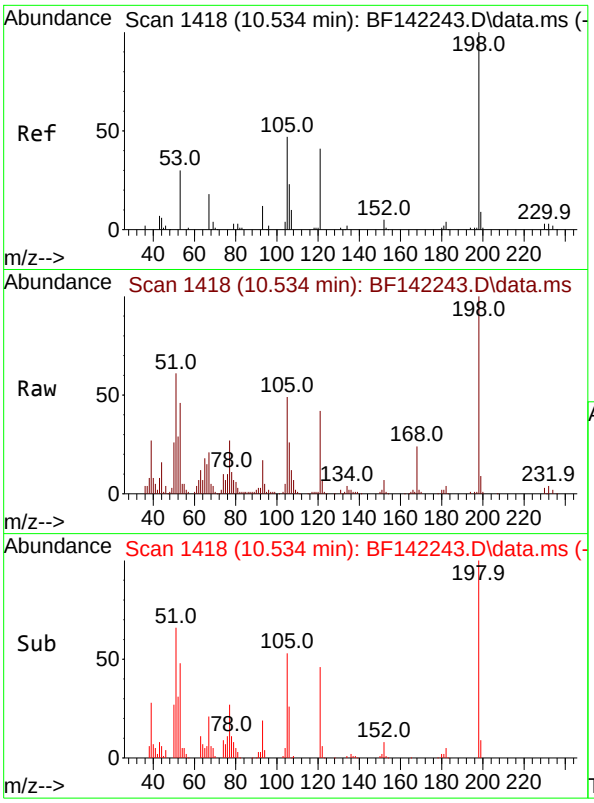


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:188 Resp: 616408

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.2	12.2
80	10.7	8.6	12.8

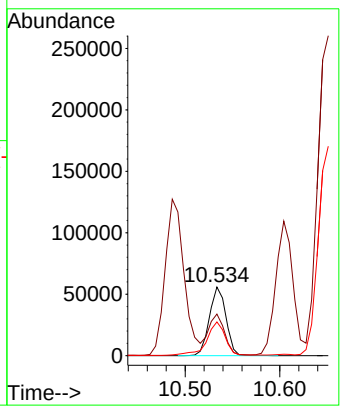




#65
4,6-Dinitro-2-methylphenol
Concen: 36.574 ng
RT: 10.534 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:198 Resp: 6767

Ion	Ratio	Lower	Upper
198	100		
51	60.6	40.6	80.6
105	49.2	29.2	69.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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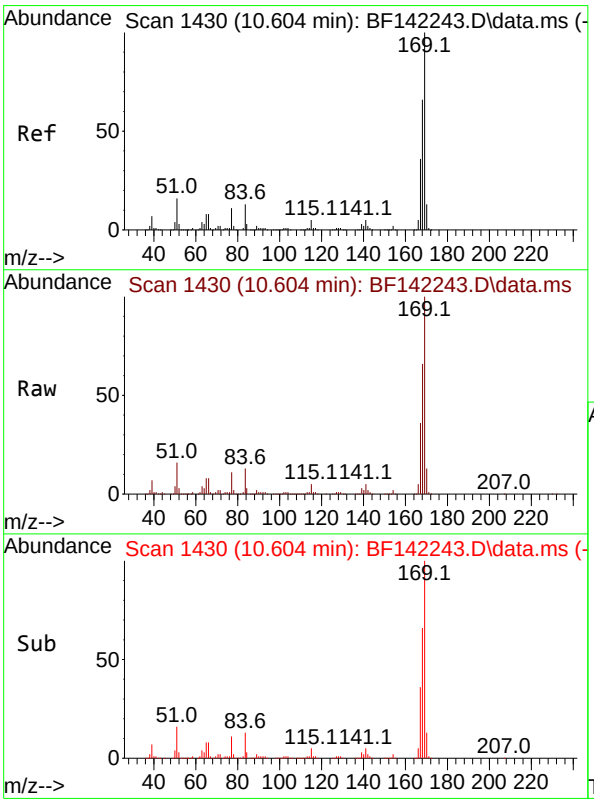
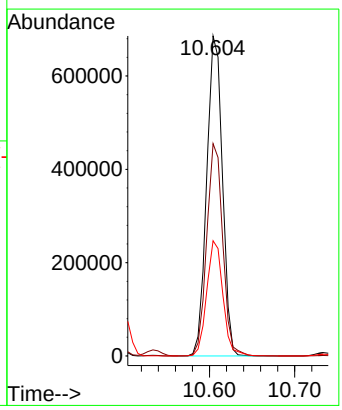
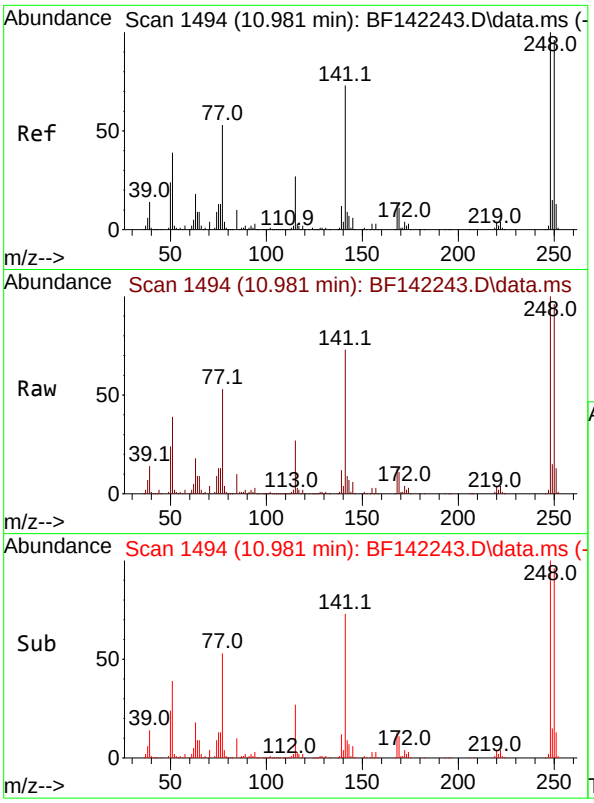


#66
n-Nitrosodiphenylamine
Concen: 41.656 ng
RT: 10.604 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:169 Resp: 877338

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.0	79.6
167	36.0	28.8	43.2

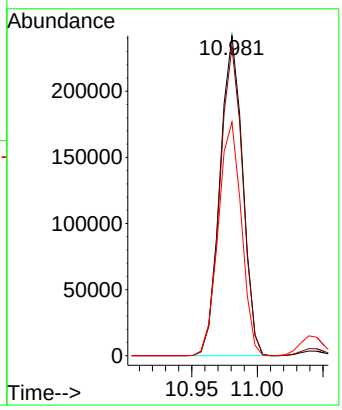




#67
4-Bromophenyl-phenylether
Concen: 42.400 ng
RT: 10.981 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:248 Resp: 29106

Ion	Ratio	Lower	Upper
248	100		
250	96.5	77.2	115.8
141	73.0	58.4	87.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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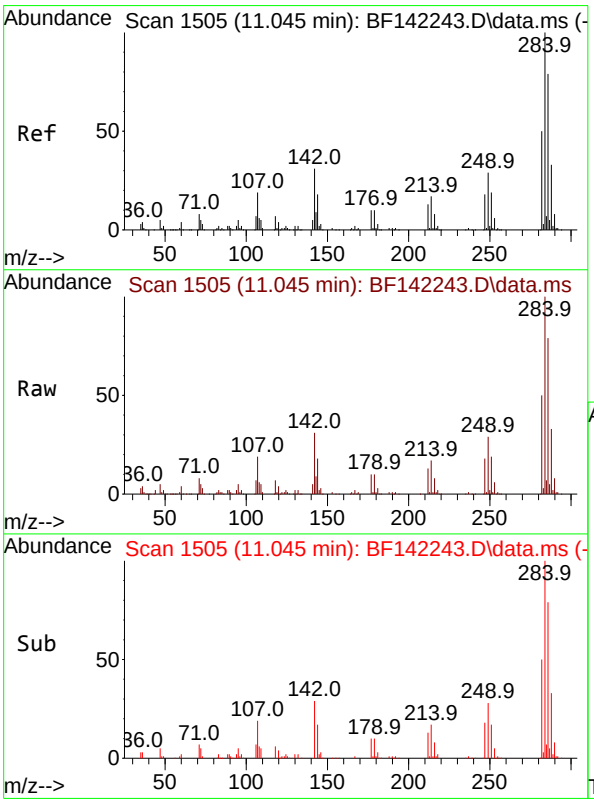
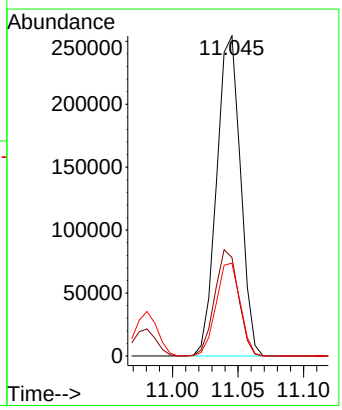
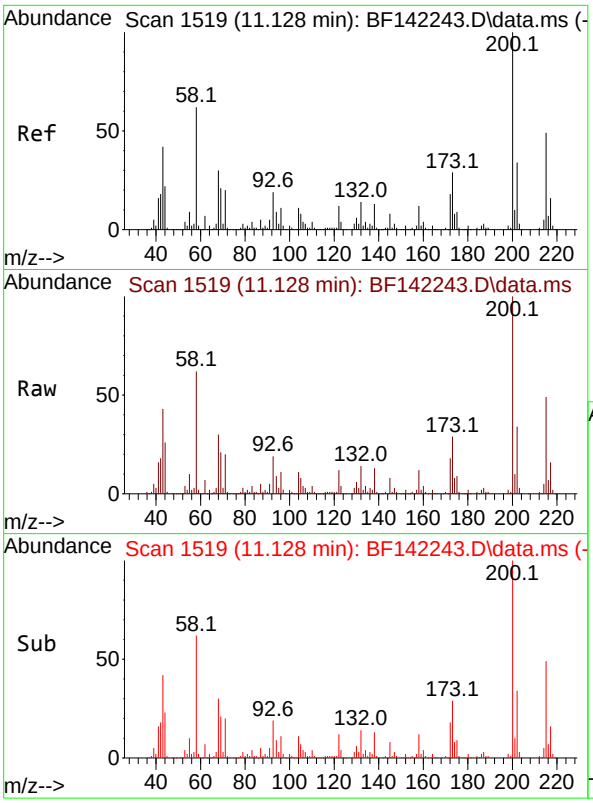


#68
Hexachlorobenzene
Concen: 41.809 ng
RT: 11.045 min Scan# 1505
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:284 Resp: 321448

Ion	Ratio	Lower	Upper
284	100		
142	30.8	24.6	37.0
249	29.0	23.2	34.8





#69
Atrazine
Concen: 42.299 ng
RT: 11.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 23482

Ion	Ratio	Lower	Upper
200	100		
173	28.6	8.6	48.6
215	48.5	28.5	68.5

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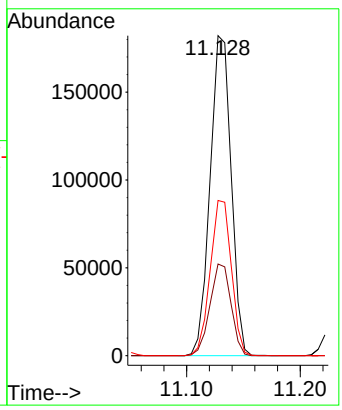
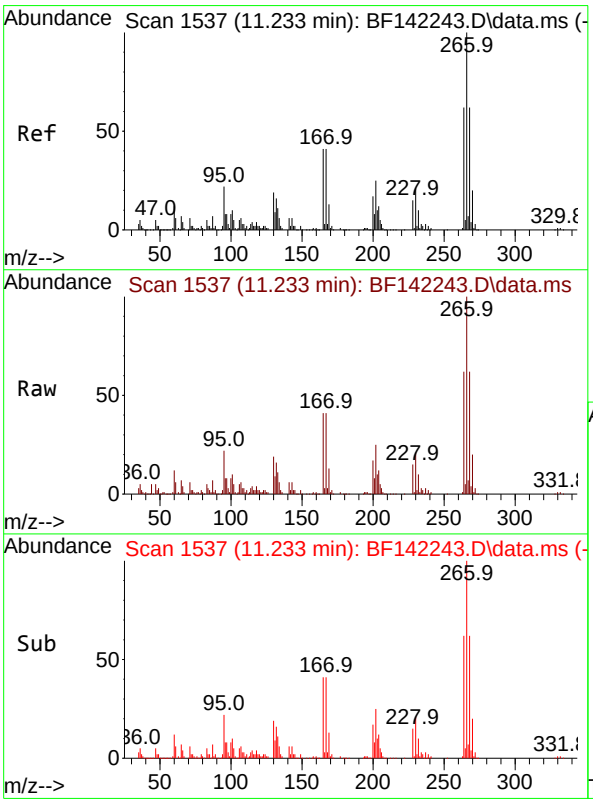
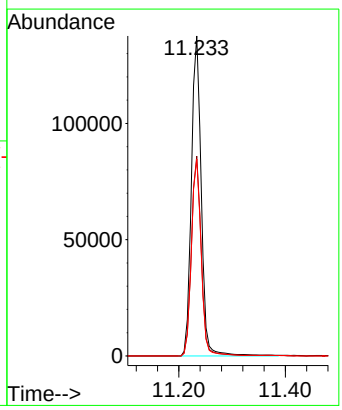


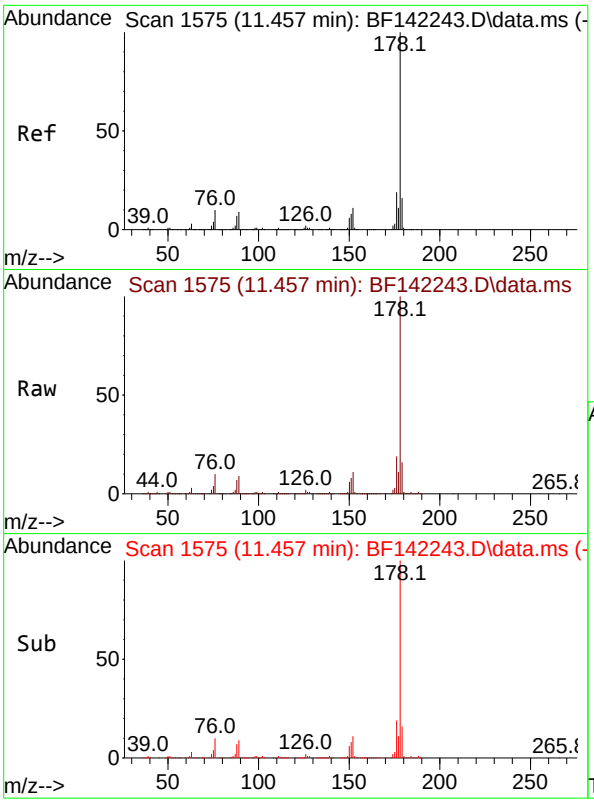


#70
Pentachlorophenol
Concen: 43.764 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:266 Resp: 177755

Ion	Ratio	Lower	Upper
266	100		
268	62.5	50.0	75.0
264	61.6	49.3	73.9

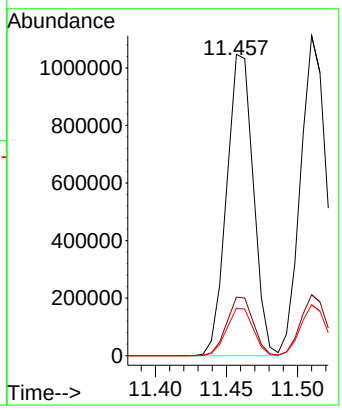




#71
Phenanthrene
Concen: 41.176 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:178 Resp: 137100

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.8	12.6	19.0



Instrument :
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ClientSampleId :
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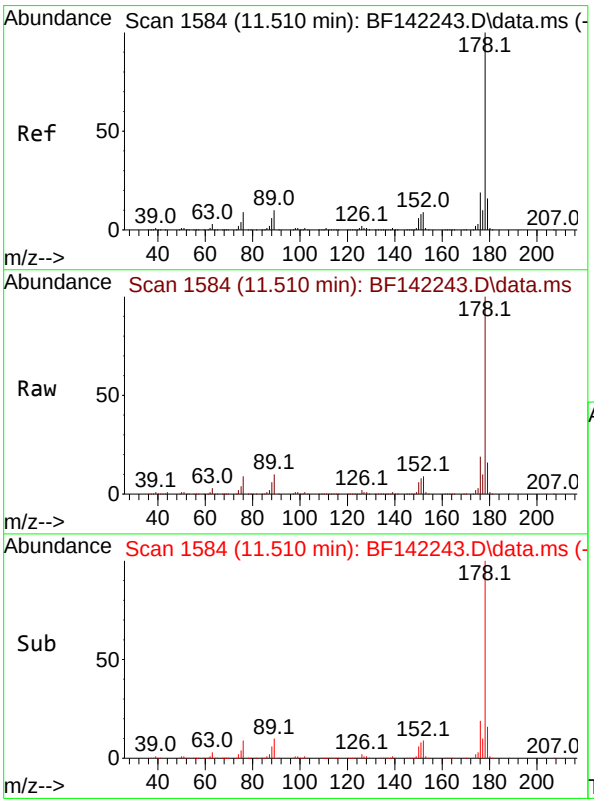
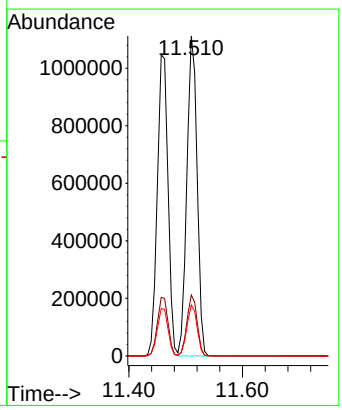
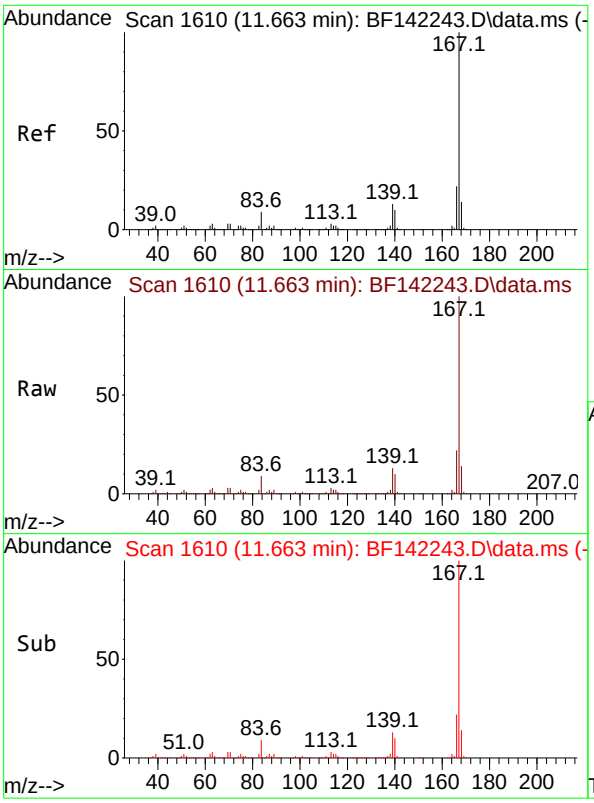


#72
Anthracene
Concen: 40.840 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:178 Resp: 1390308

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.9	12.7	19.1





#73
Carbazole
Concen: 40.999 ng
RT: 11.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 127318

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.3	25.9
139	12.9	10.3	15.5

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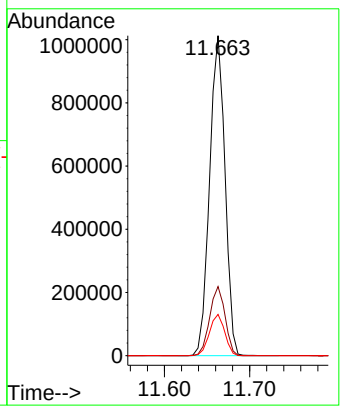
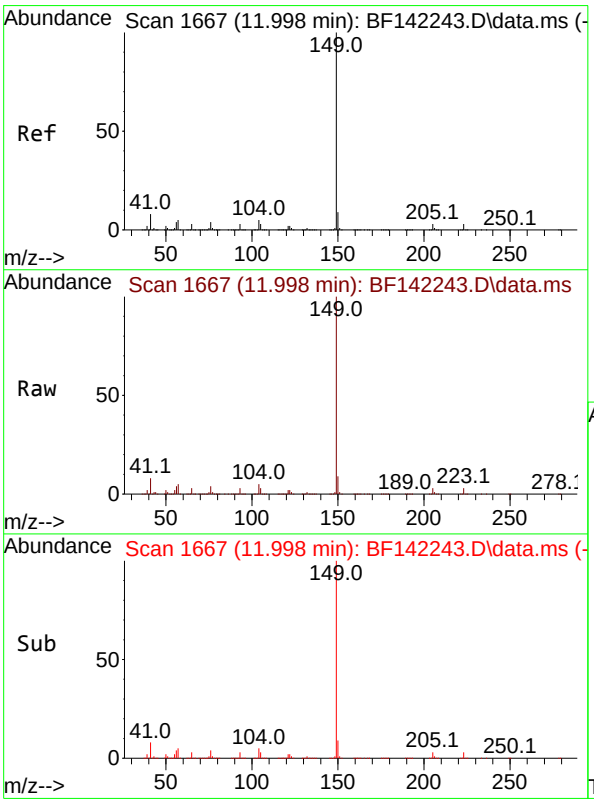
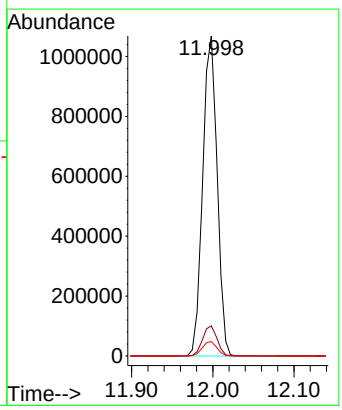


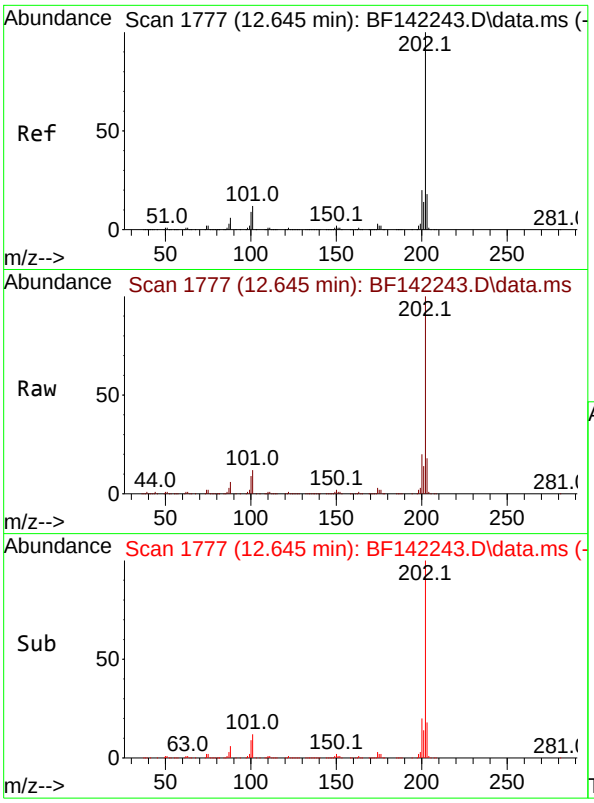


#74
Di-n-butylphthalate
Concen: 42.180 ng
RT: 11.998 min Scan# 1667
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:149 Resp: 1317363

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.5	3.6	5.4

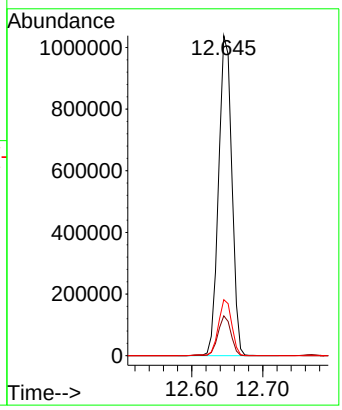




#75
Fluoranthene
Concen: 40.652 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:202 Resp: 133800

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	32.4
203	17.5	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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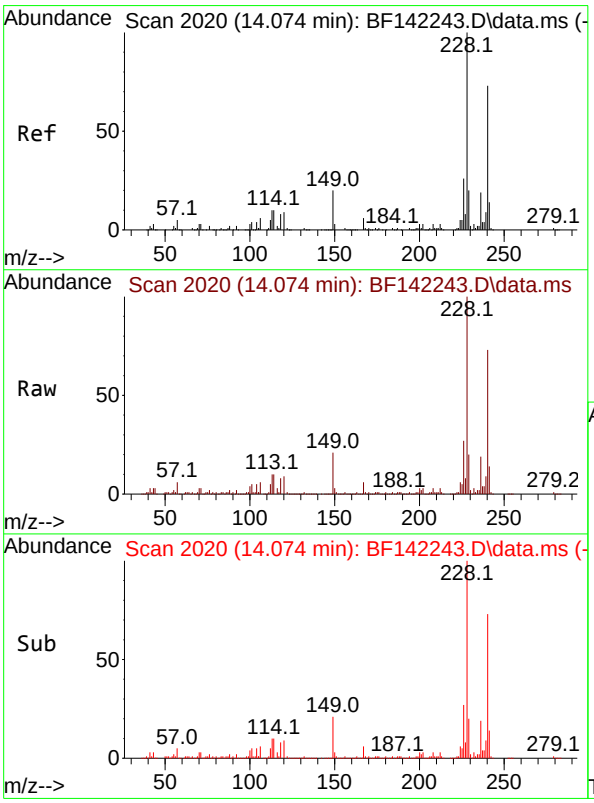
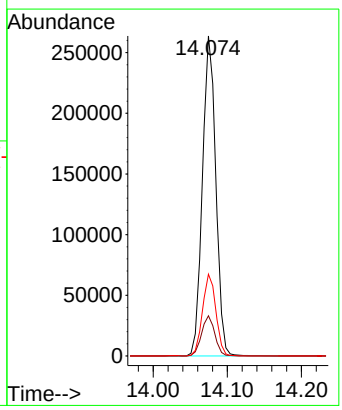
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

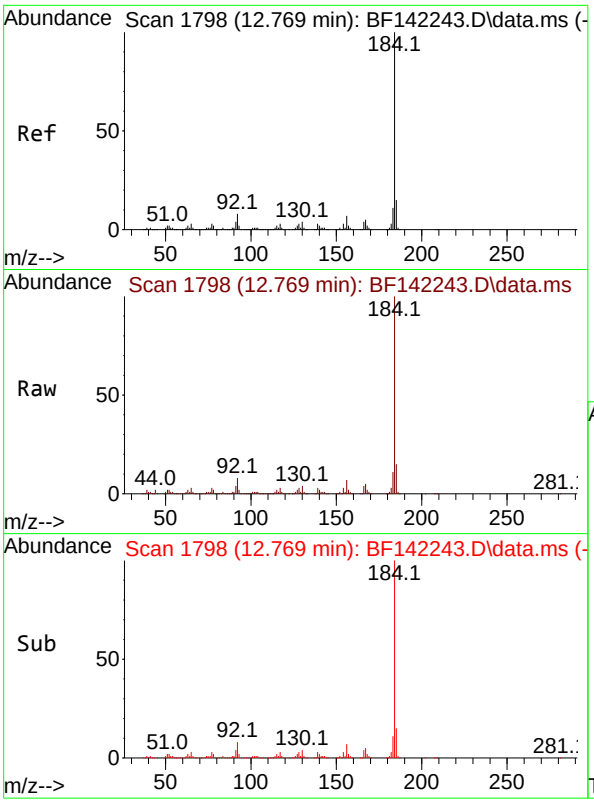


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:240 Resp: 331192

Ion	Ratio	Lower	Upper
240	100		
120	12.6	10.1	15.1
236	25.6	20.5	30.7

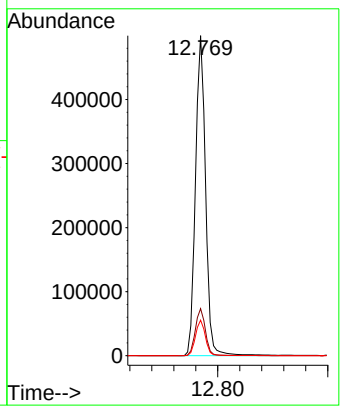




#77
Benzidine
Concen: 45.346 ng
RT: 12.769 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:184 Resp: 63814

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.8	17.6
183	11.1	8.9	13.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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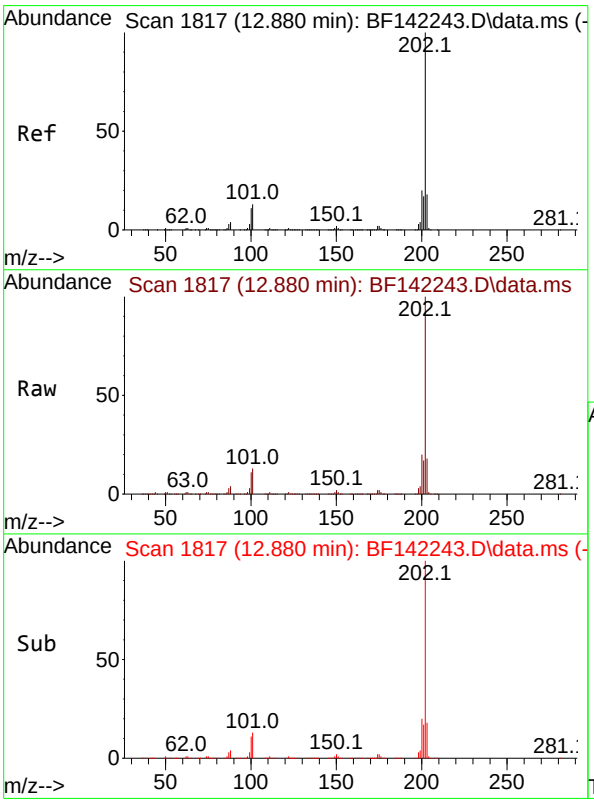
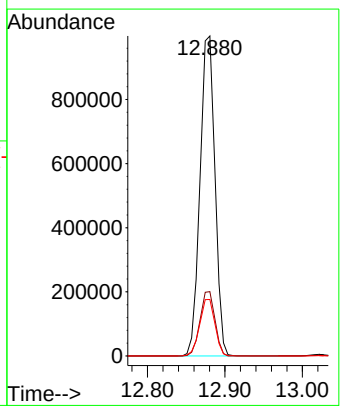
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

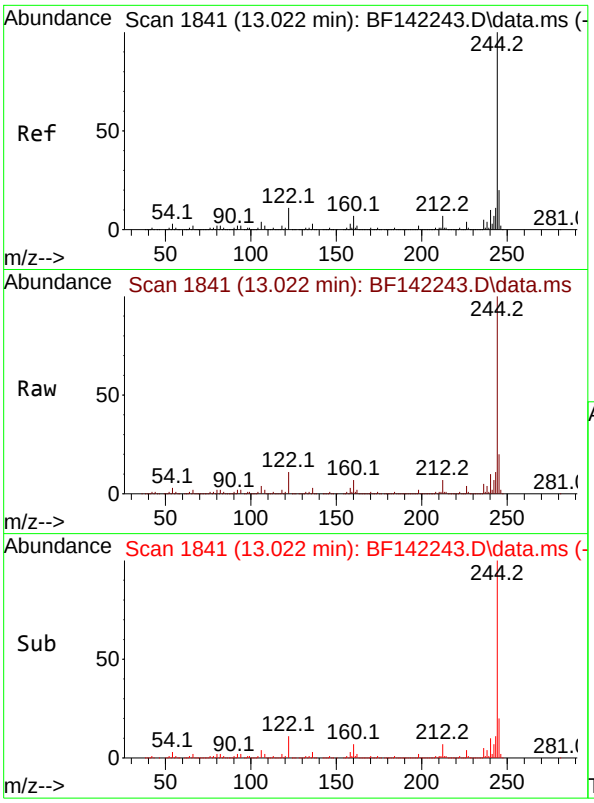


#78
Pyrene
Concen: 43.920 ng
RT: 12.880 min Scan# 1817
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:202 Resp: 1341800

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.1	24.1
203	17.6	14.1	21.1

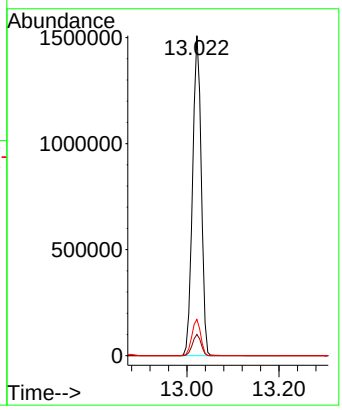




#79
Terphenyl-d14
Concen: 86.181 ng
RT: 13.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:244 Resp: 196247

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	11.4	9.1	13.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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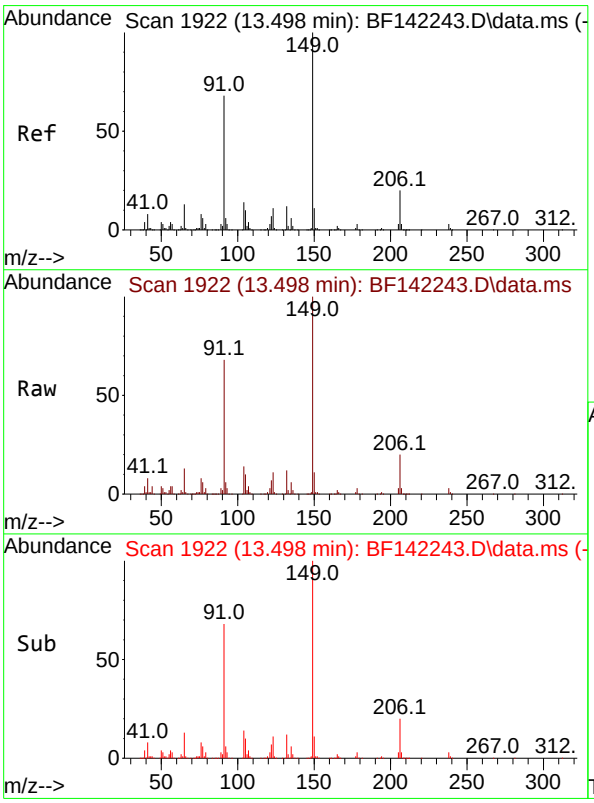
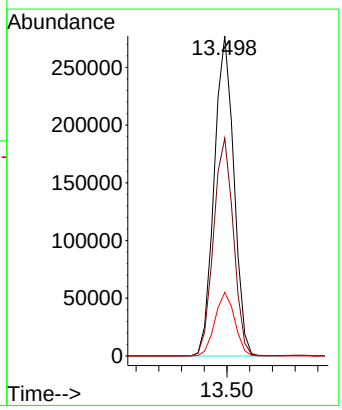
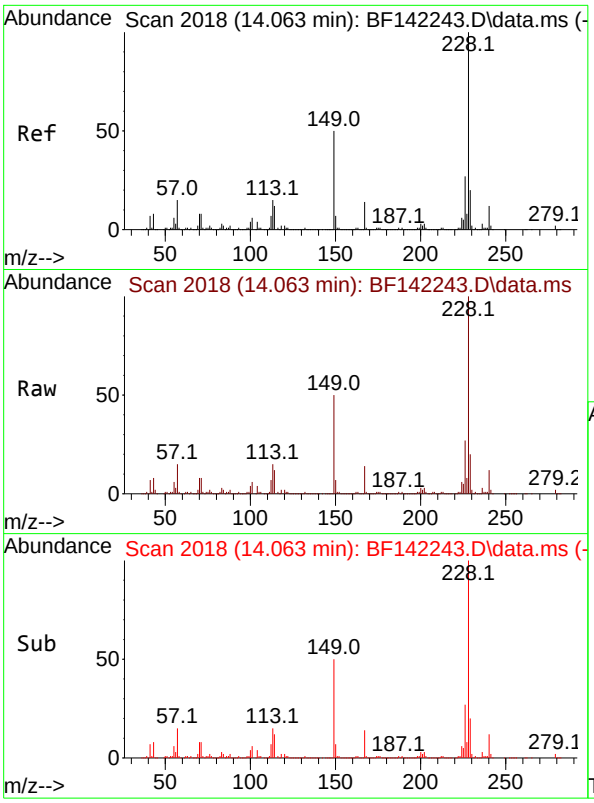


#80
Butylbenzylphthalate
Concen: 40.624 ng
RT: 13.498 min Scan# 1922
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:149 Resp: 334175

Ion	Ratio	Lower	Upper
149	100		
91	68.0	54.4	81.6
206	19.9	15.9	23.9

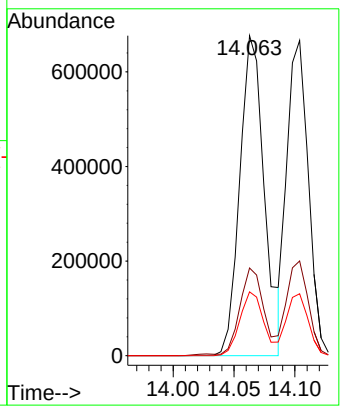




#81
Benzo(a)anthracene
Concen: 42.831 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:228 Resp: 95229

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.9	32.9
229	20.0	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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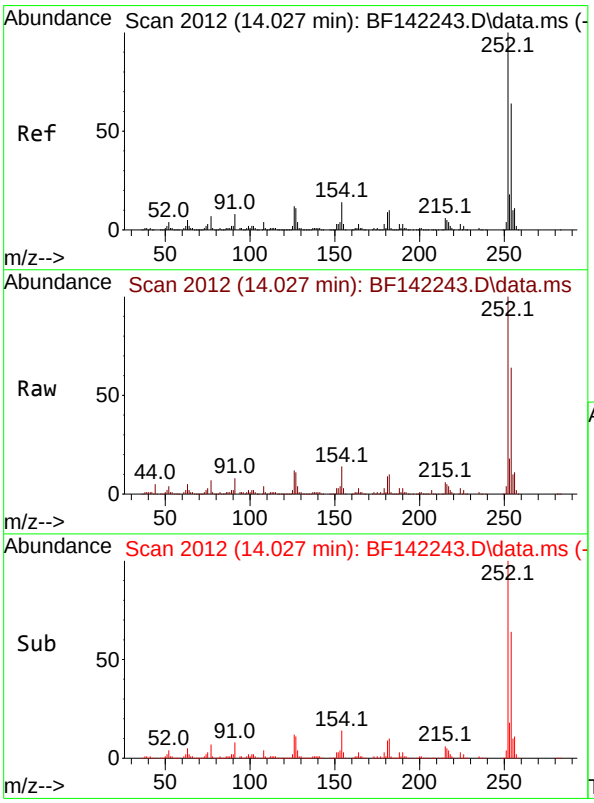
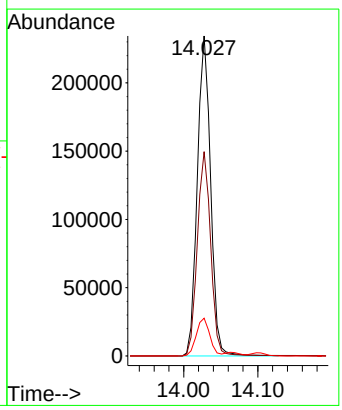
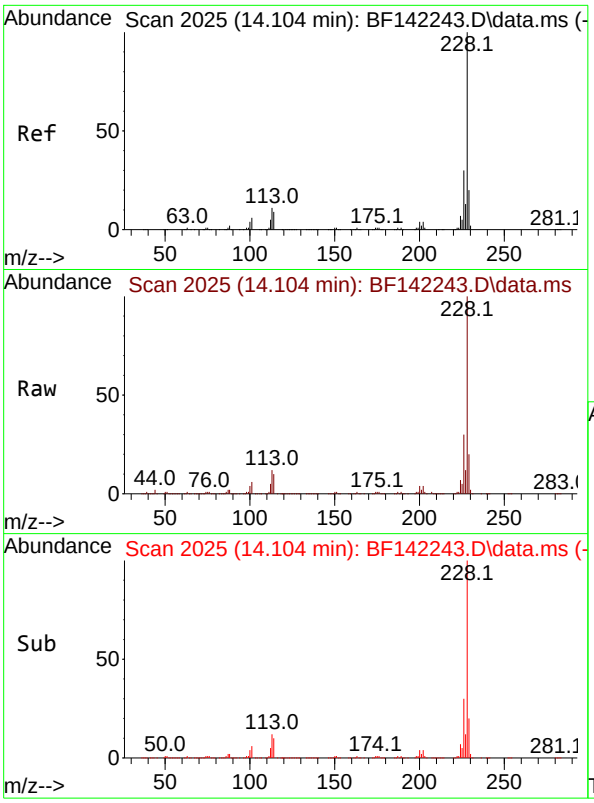


#82
3,3'-Dichlorobenzidine
Concen: 44.859 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:252 Resp: 292958

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.0	76.6
126	11.8	9.4	14.2

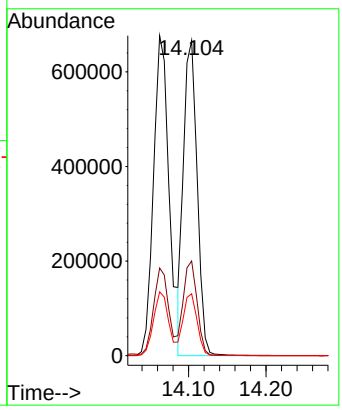




#83
Chrysene
Concen: 40.321 ng
RT: 14.104 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:228 Resp: 81604

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.0	36.0
229	19.6	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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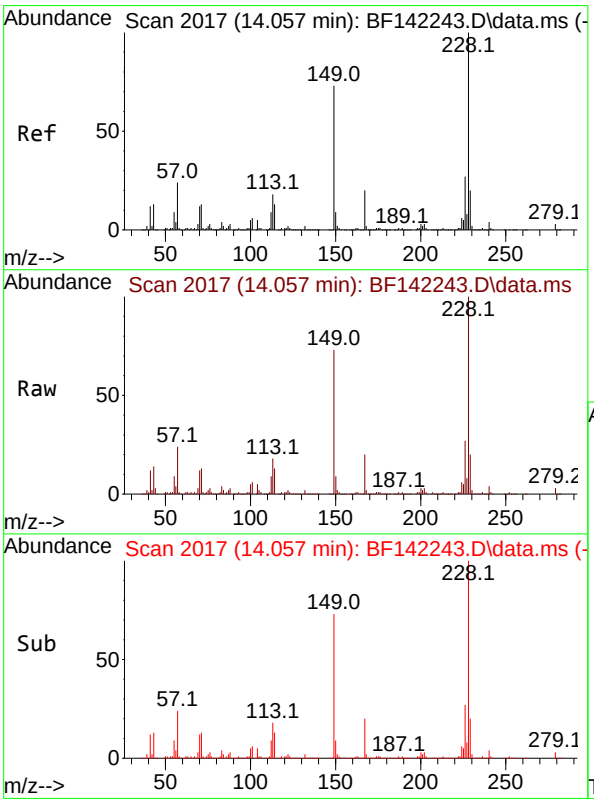
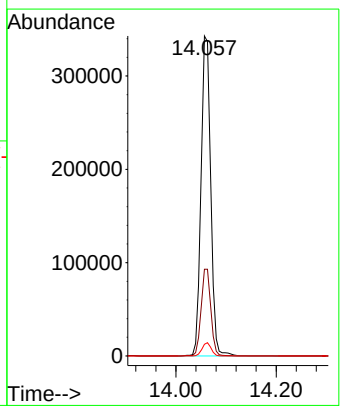
Supervised By :Jagrut Upadhyay 05/01/2025

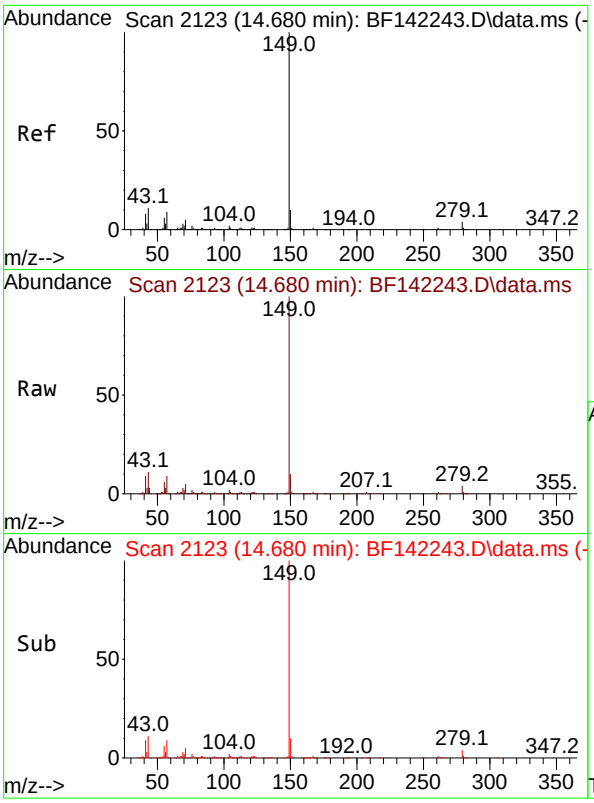


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.356 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:149 Resp: 460074

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.7	32.5
279	3.7	3.0	4.4

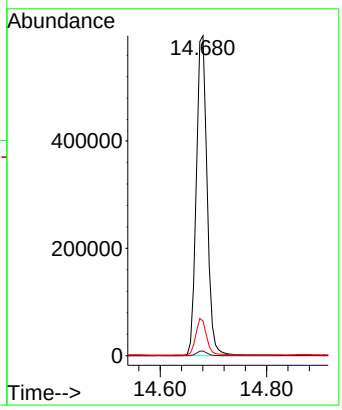




#85
Di-n-octyl phthalate
Concen: 40.504 ng
RT: 14.680 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:149 Resp: 83607

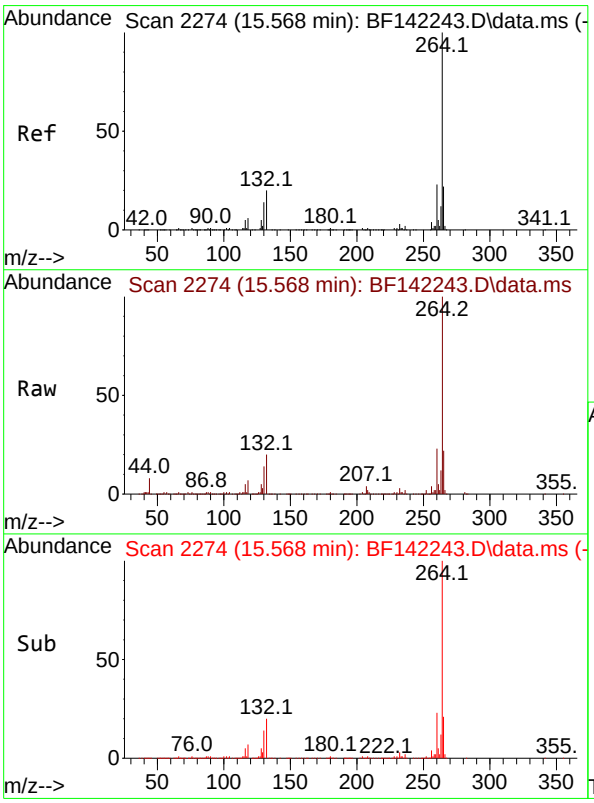
Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	11.6	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

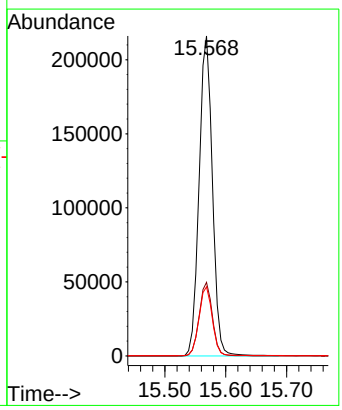
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

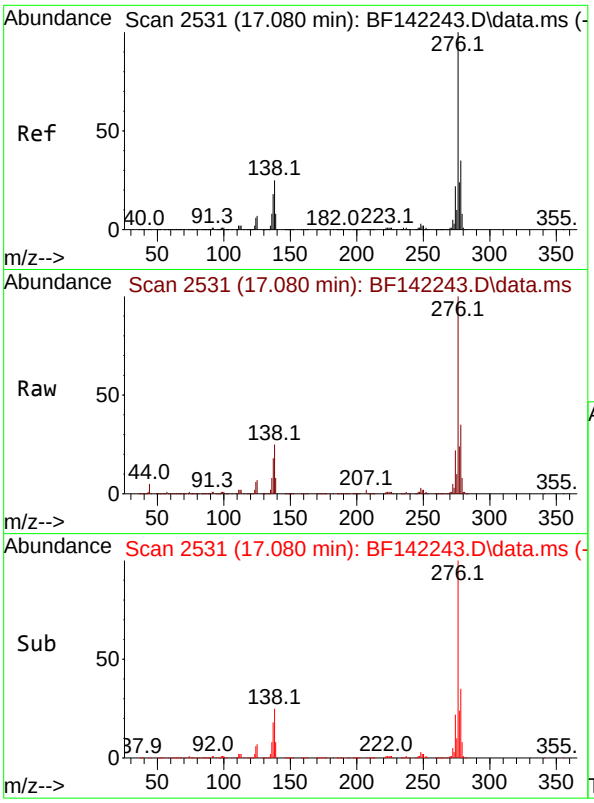


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:264 Resp: 328405

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.4	27.6
265	21.6	17.3	25.9

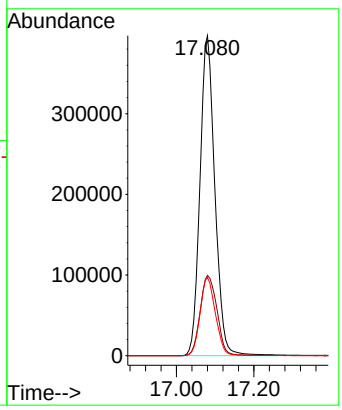




#87
Indeno(1,2,3-cd)pyrene
Concen: 44.049 ng
RT: 17.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:276 Resp: 105959

Ion	Ratio	Lower	Upper
276	100		
138	28.2	22.6	33.8
277	25.1	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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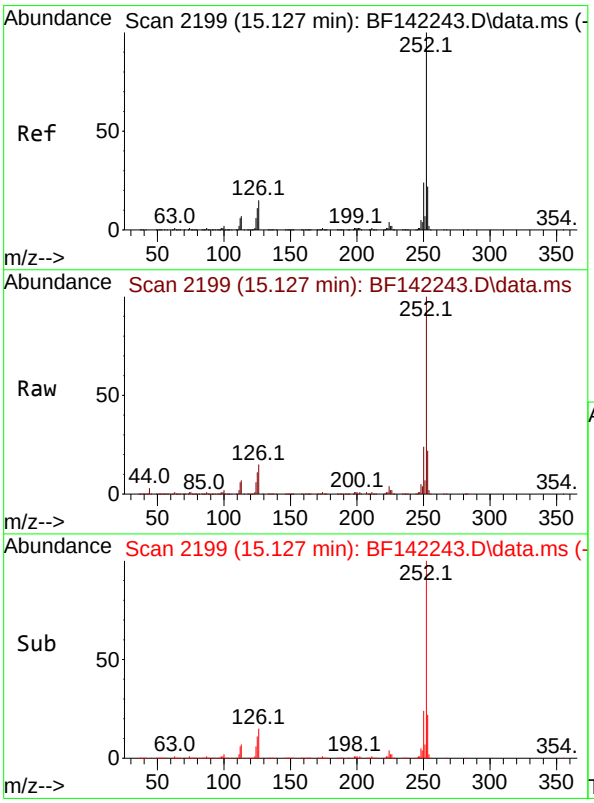
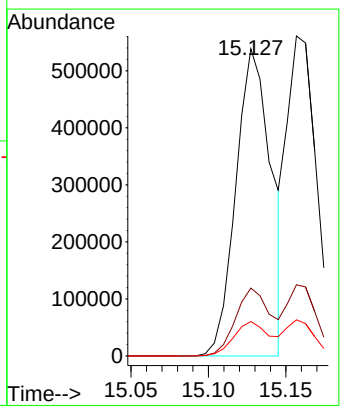
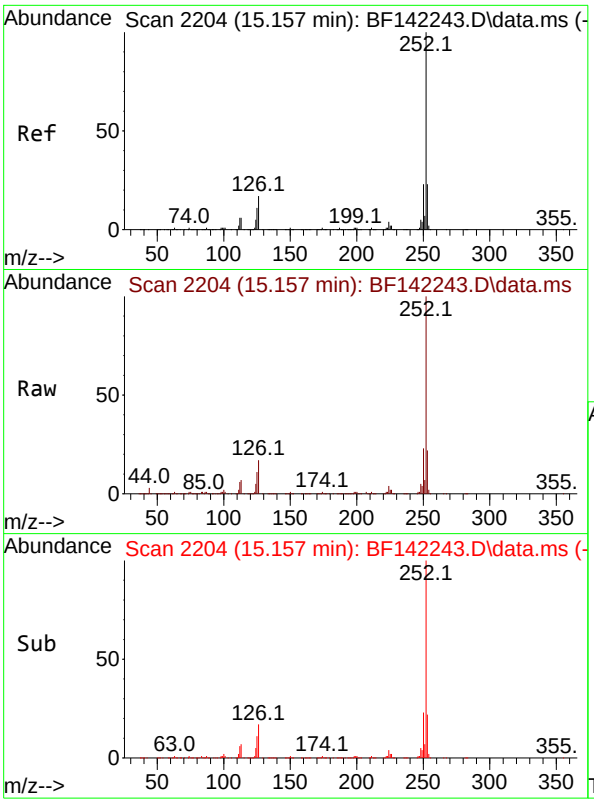


#88
Benzo(b)fluoranthene
Concen: 41.912 ng
RT: 15.127 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:252 Resp: 854971

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.2	9.0	13.4

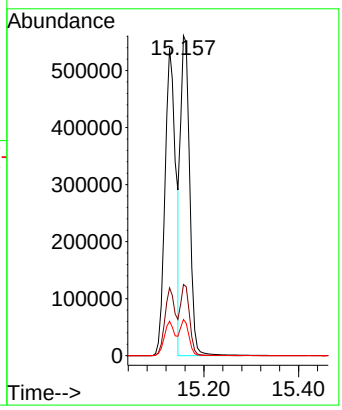




#89
Benzo(k)fluoranthene
Concen: 40.310 ng
RT: 15.157 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:252 Resp: 75213

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	11.3	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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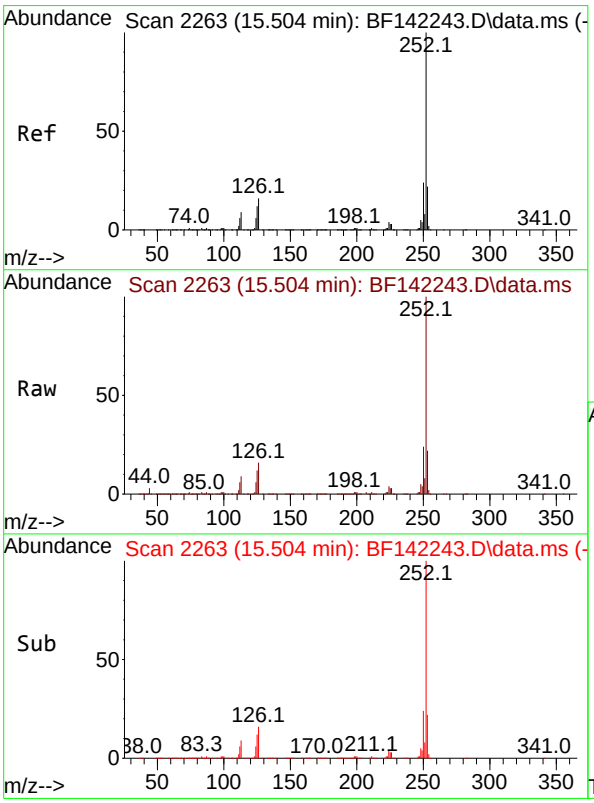
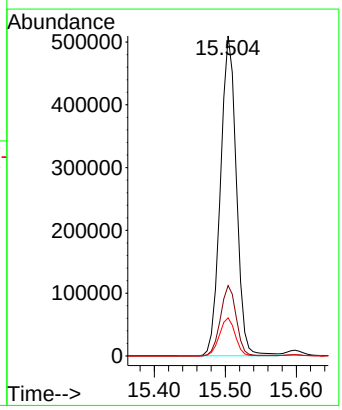
Supervised By :Jagrut Upadhyay 05/01/2025

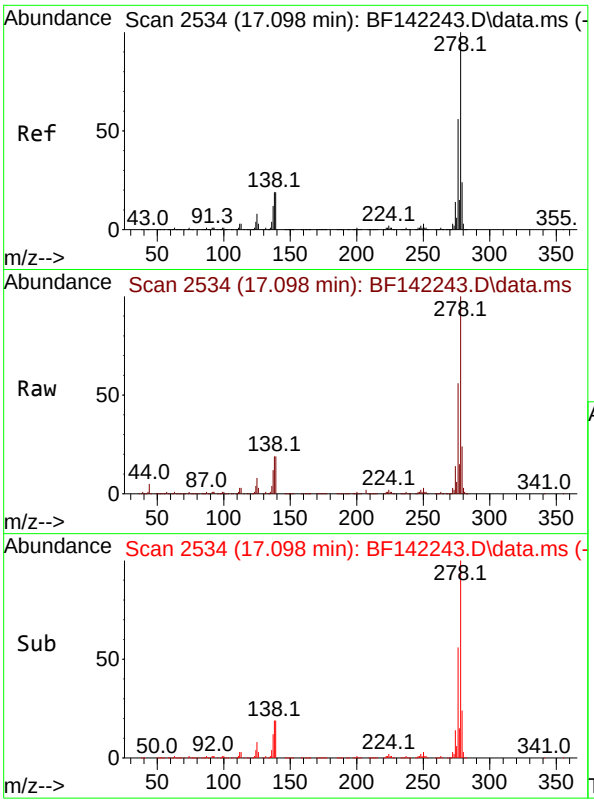


#90
Benzo(a)pyrene
Concen: 42.318 ng
RT: 15.504 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:252 Resp: 790330

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	11.9	9.5	14.3





#91
Dibenzo(a,h)anthracene
Concen: 44.142 ng
RT: 17.098 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 86178

Ion	Ratio	Lower	Upper
278	100		
139	19.0	15.2	22.8
279	23.8	19.0	28.6

Manual Integrations
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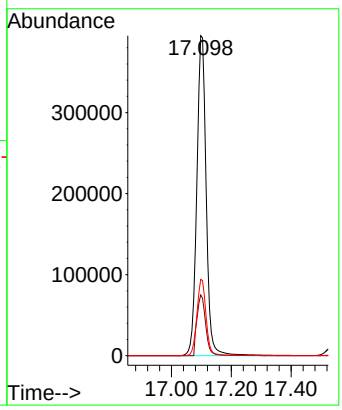
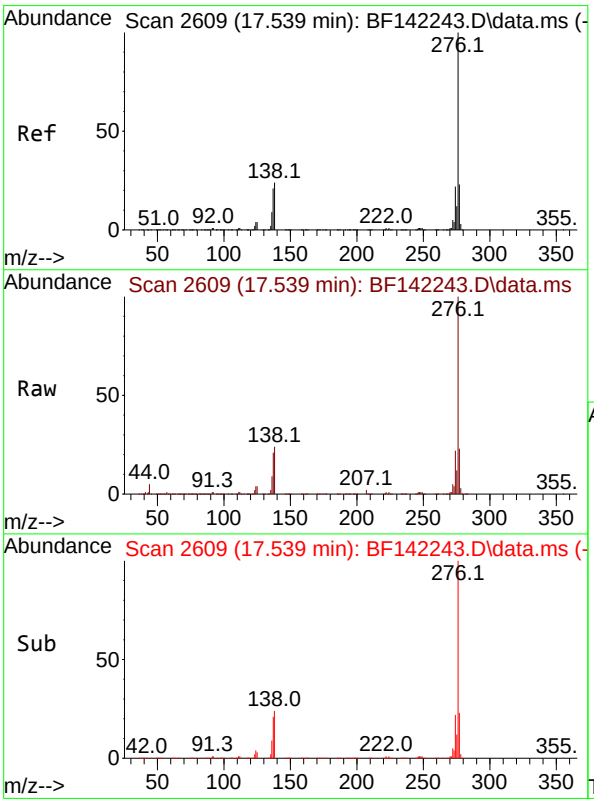
Supervised By :Jagrut Upadhyay 05/01/2025

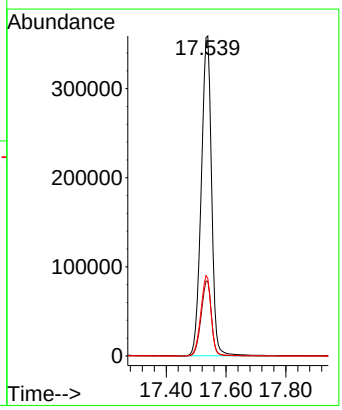




#92
Benzo(g,h,i)perylene
Concen: 43.758 ng
RT: 17.539 min Scan# 2609
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:276 Resp: 858804

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.7	28.1
138	24.2	19.4	29.0



Quantitation Report (QT Reviewed)

ICAL Form

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Acq On : 30 Apr 2025 13:46
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 30 15:43:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.910	152	179073	20.000	ng		0.00
21) Naphthalene-d8	8.192	136	691236	20.000	ng		0.00
39) Acenaphthene-d10	9.951	164	360144	20.000	ng		0.00
64) Phenanthrene-d10	11.433	188	604171	20.000	ng		0.00
76) Chrysene-d12	14.074	240	322957	20.000	ng		0.00
86) Perylene-d12	15.568	264	337726	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	1150166	102.577	ng		0.00
7) Phenol-d6	6.528	99	1387418	102.468	ng		0.00
23) Nitrobenzene-d5	7.475	82	1213856	115.369	ng		0.00
42) 2,4,6-Tribromophenol	10.739	330	369823	112.641	ng		0.00
45) 2-Fluorobiphenyl	9.269	172	2425708	94.966	ng		0.00
79) Terphenyl-d14	13.021	244	2247982	101.236	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.693	88	259869	51.894	ng		99
3) Pyridine	3.463	79	672711	51.688	ng		100
4) n-Nitrosodimethylamine	3.416	42	353028	52.416	ng		96
6) Aniline	6.575	93	986118	51.454	ng		99
8) 2-Chlorophenol	6.692	128	606252	52.325	ng		99
9) Benzaldehyde	6.463	77	482619	50.998	ng		98
10) Phenol	6.539	94	755326m	51.820	ng		
11) bis(2-Chloroethyl)ether	6.645	93	575347	50.934	ng		100
12) 1,3-Dichlorobenzene	6.851	146	661612	50.476	ng		99
13) 1,4-Dichlorobenzene	6.928	146	666083	50.439	ng		99
14) 1,2-Dichlorobenzene	7.081	146	640983	50.843	ng		100
15) Benzyl Alcohol	7.045	79	504297	52.514	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.186	45	1049319	51.444	ng		100
17) 2-Methylphenol	7.151	107	485145	51.113	ng		100
18) Hexachloroethane	7.428	117	229911	53.193	ng		97
19) n-Nitroso-di-n-propyla...	7.328	70	420535	50.261	ng		99
20) 3+4-Methylphenols	7.310	107	611404	51.510	ng	#	89
22) Acetophenone	7.322	105	796460	49.805	ng		96
24) Nitrobenzene	7.492	77	584670	56.634	ng		99
25) Isophorone	7.734	82	1129933	51.170	ng		99
26) 2-Nitrophenol	7.810	139	228021	51.526	ng		97
27) 2,4-Dimethylphenol	7.839	122	576054	51.741	ng		100
28) bis(2-Chloroethoxy)met...	7.939	93	708439	50.870	ng		99
29) 2,4-Dichlorophenol	8.045	162	494488	53.125	ng		99
30) 1,2,4-Trichlorobenzene	8.133	180	524508	50.497	ng		100
31) Naphthalene	8.216	128	1725818	50.064	ng		100
32) Benzoic acid	7.939	122	252184	47.667	ng		98
33) 4-Chloroaniline	8.257	127	730860	50.914	ng		99
34) Hexachlorobutadiene	8.333	225	307118	50.679	ng		99
35) Caprolactam	8.628	113	154579	55.251	ng		97
36) 4-Chloro-3-methylphenol	8.733	107	505527	52.891	ng		100
37) 2-Methylnaphthalene	8.904	142	1057924	49.915	ng		100
38) 1-Methylnaphthalene	9.004	142	1107217	50.427	ng		98
40) 1,2,4,5-Tetrachloroben...	9.069	216	509426	50.261	ng		99
41) Hexachlorocyclopentadiene	9.063	237	331287	57.591	ng		99
43) 2,4,6-Trichlorophenol	9.180	196	337910	53.801	ng		100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142244.D
Acq On : 30 Apr 2025 13:46
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

Quant Time: Apr 30 15:43:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	370489	56.106	ng	98
46) 1,1'-Biphenyl	9.369	154	1392513	49.736	ng	100
47) 2-Chloronaphthalene	9.398	162	1041842	50.015	ng	100
48) 2-Nitroaniline	9.486	65	284370	51.394	ng	100
49) Acenaphthylene	9.810	152	1769441	50.339	ng	100
50) Dimethylphthalate	9.669	163	1178638	51.156	ng	99
51) 2,6-Dinitrotoluene	9.727	165	232906	52.309	ng	99
52) Acenaphthene	9.986	154	1024409	49.912	ng	100
53) 3-Nitroaniline	9.898	138	279608	51.745	ng	97
54) 2,4-Dinitrophenol	9.998	184	62086	50.725	ng	98
55) Dibenzofuran	10.157	168	1542097	50.123	ng	100
56) 4-Nitrophenol	10.039	139	210153	58.029	ng	99
57) 2,4-Dinitrotoluene	10.127	165	280193	51.918	ng	98
58) Fluorene	10.498	166	1146269	49.000	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.269	232	300782	54.989	ng	99
60) Diethylphthalate	10.369	149	1170793	51.459	ng	99
61) 4-Chlorophenyl-phenyle...	10.492	204	553271	49.802	ng	98
62) 4-Nitroaniline	10.510	138	258117	52.547	ng	100
63) Azobenzene	10.651	77	1150899	51.226	ng	99
65) 4,6-Dinitro-2-methylph...	10.539	198	98114	49.012	ng	95
66) n-Nitrosodiphenylamine	10.610	169	1041277	50.442	ng	100
67) 4-Bromophenyl-phenylether	10.980	248	340298	50.576	ng	97
68) Hexachlorobenzene	11.045	284	384807	51.064	ng	99
69) Atrazine	11.133	200	287405	52.819	ng	100
70) Pentachlorophenol	11.233	266	219414	55.114	ng	98
71) Phenanthrene	11.463	178	1607091	49.244	ng	99
72) Anthracene	11.510	178	1659788	49.744	ng	100
73) Carbazole	11.663	167	1504715	49.436	ng	100
74) Di-n-butylphthalate	11.998	149	1578769	51.573	ng	100
75) Fluoranthene	12.651	202	1563998	48.481	ng	99
77) Benzidine	12.768	184	762858	55.590	ng	99
78) Pyrene	12.880	202	1563568	52.484	ng	100
80) Butylbenzylphthalate	13.498	149	423529	51.685	ng	100
81) Benzo(a)anthracene	14.068	228	1120699	51.691	ng	100
82) 3,3'-Dichlorobenzidine	14.027	252	363124	57.021	ng	98
83) Chrysene	14.104	228	990991	50.214	ng	100
84) Bis(2-ethylhexyl)phtha...	14.057	149	585800	51.638	ng	100
85) Di-n-octyl phthalate	14.680	149	1065626	51.078	ng	99
87) Indeno(1,2,3-cd)pyrene	17.080	276	1313336	53.091	ng	99
88) Benzo(b)fluoranthene	15.127	252	1073096	51.153	ng	100
89) Benzo(k)fluoranthene	15.162	252	967248	50.408	ng	98
90) Benzo(a)pyrene	15.504	252	996599	51.890	ng	100
91) Dibenzo(a,h)anthracene	17.103	278	1073246	53.457	ng	99
92) Benzo(g,h,i)perylene	17.539	276	1069402	52.984	ng	98

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

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142244.D
Acq On : 30 Apr 2025 13:46
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 30 15:43:55 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
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Instrument :
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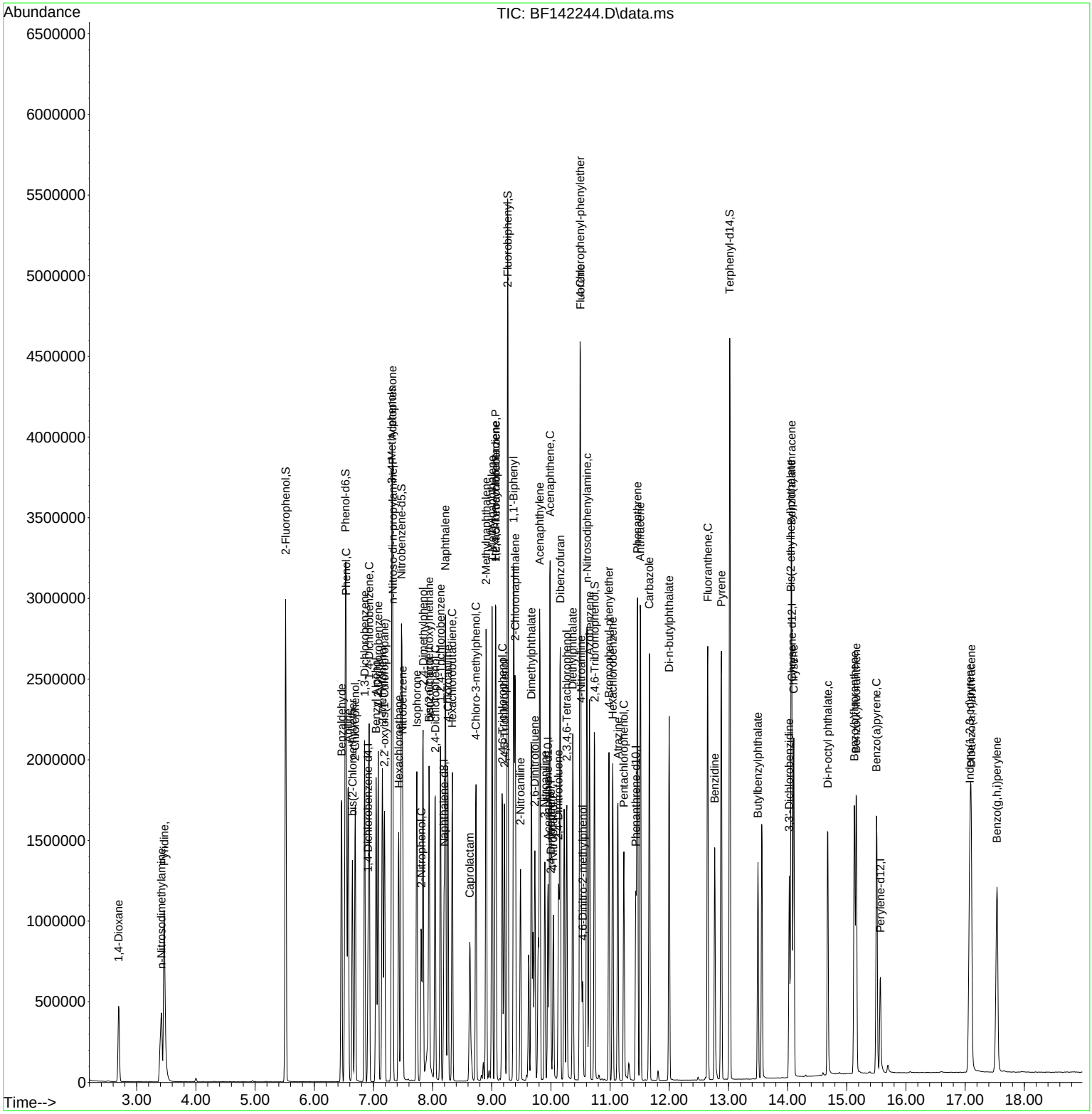
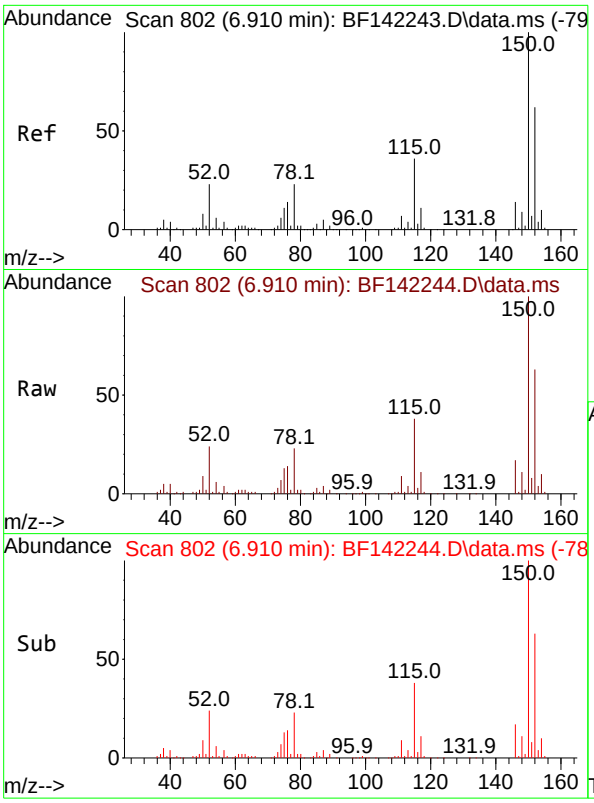
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

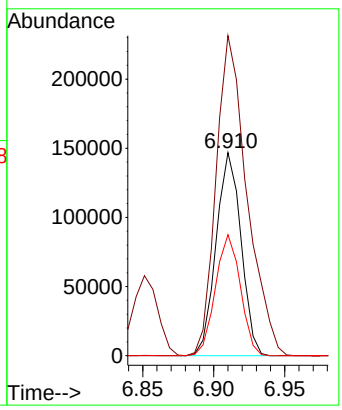




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:152 Resp: 17907

Ion	Ratio	Lower	Upper
152	100		
150	157.6	130.2	195.2
115	59.6	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

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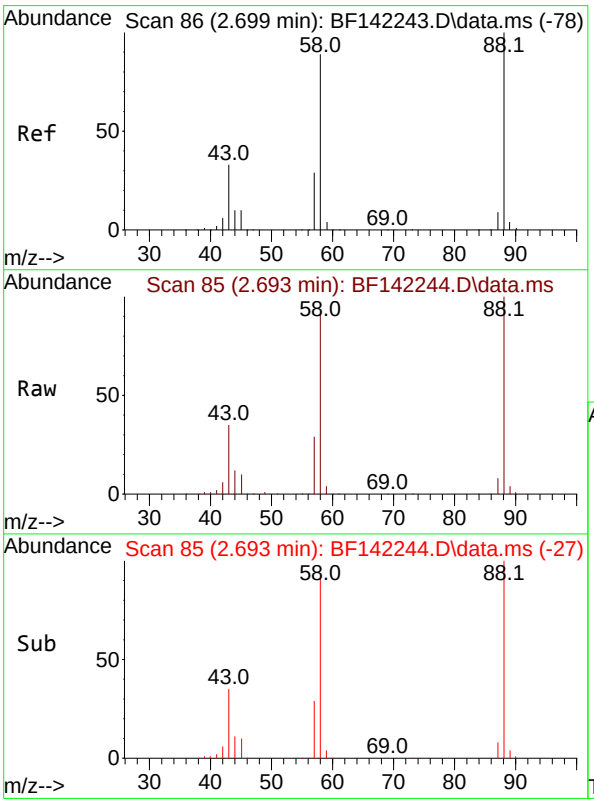
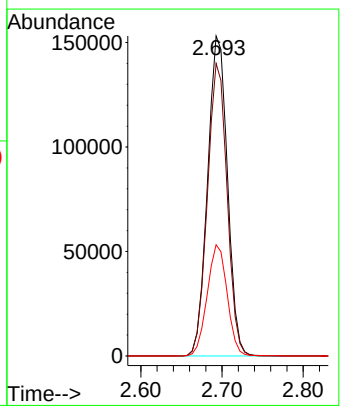
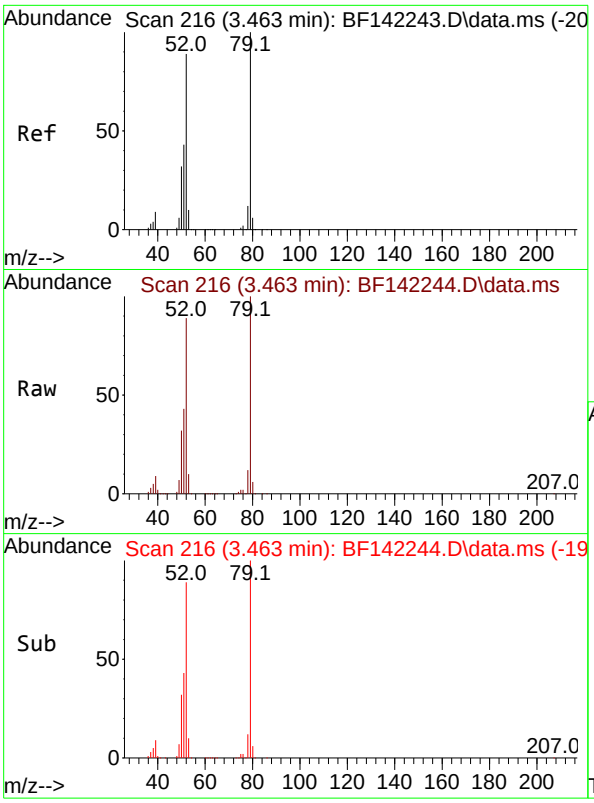


#2
1,4-Dioxane
Concen: 51.894 ng
RT: 2.693 min Scan# 85
Delta R.T. -0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 88 Resp: 259869

Ion	Ratio	Lower	Upper
88	100		
58	90.5	72.2	108.2
43	35.0	27.0	40.6

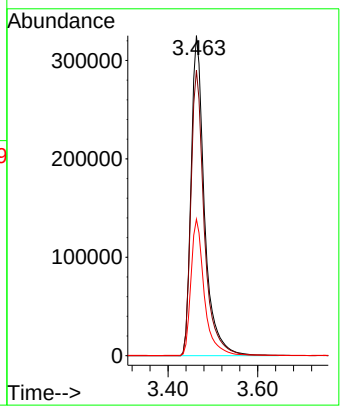




#3
Pyridine
Concen: 51.688 ng
RT: 3.463 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 79 Resp: 67271

Ion	Ratio	Lower	Upper
79	100		
52	89.2	71.5	107.3
51	42.6	34.5	51.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

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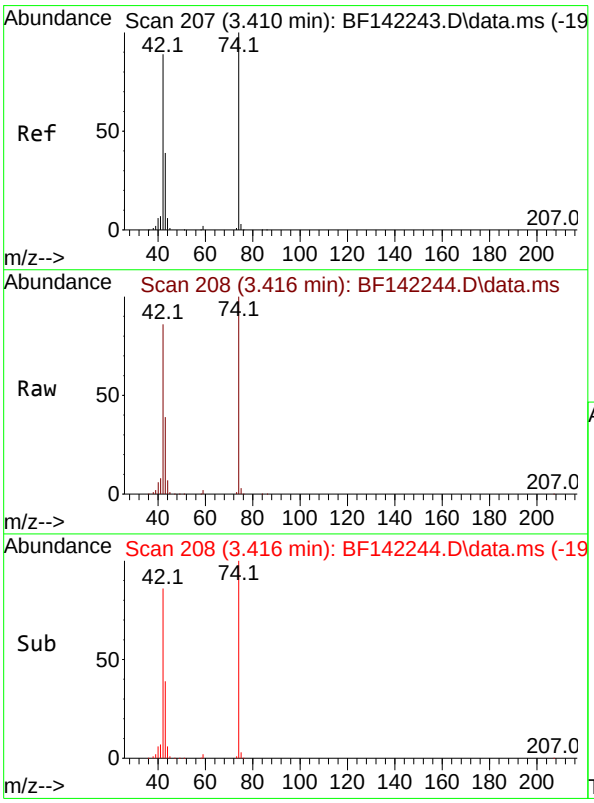
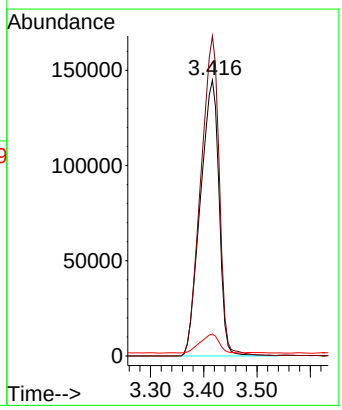
Supervised By :Jagrut Upadhyay 05/01/2025

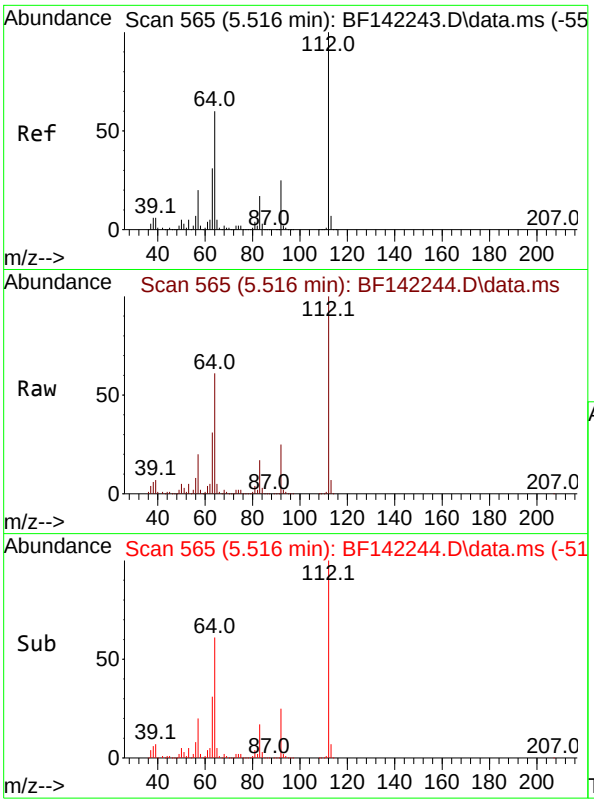


#4
n-Nitrosodimethylamine
Concen: 52.416 ng
RT: 3.416 min Scan# 208
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 42 Resp: 353028

Ion	Ratio	Lower	Upper
42	100		
74	116.0	89.5	134.3
44	7.9	6.6	9.8





#5
2-Fluorophenol
Concen: 102.577 ng
RT: 5.516 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:112 Resp: 115016

Ion	Ratio	Lower	Upper
112	100		
64	60.8	48.4	72.6
63	31.3	24.8	37.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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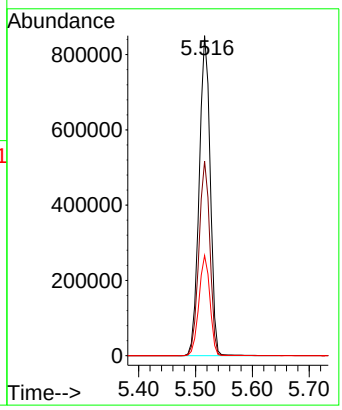
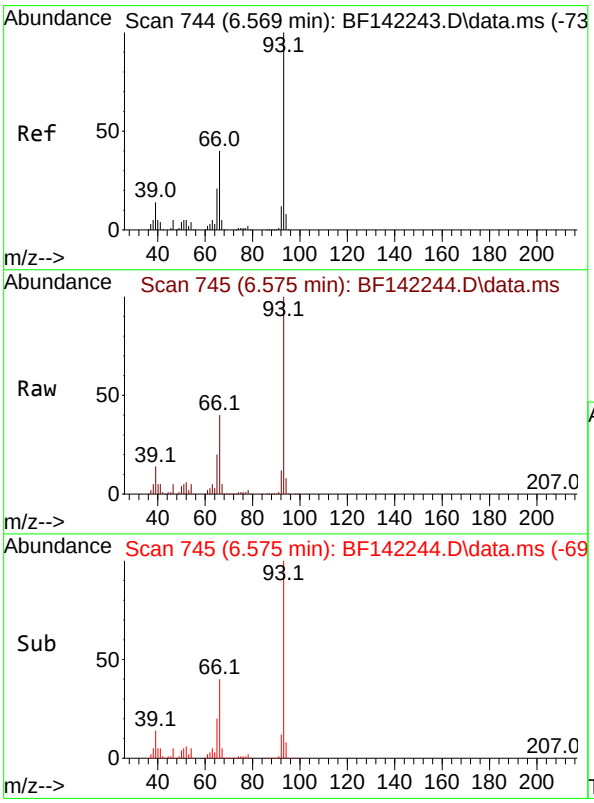
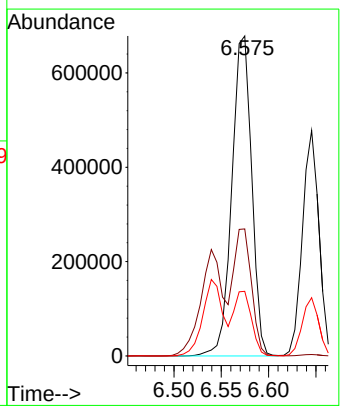


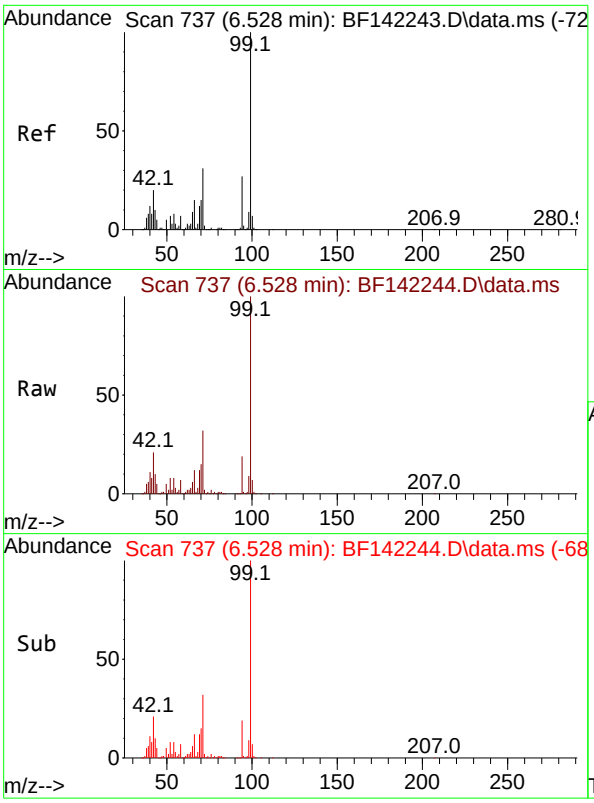


#6
Aniline
Concen: 51.454 ng
RT: 6.575 min Scan# 745
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 93 Resp: 986118

Ion	Ratio	Lower	Upper
93	100		
66	39.7	32.1	48.1
65	20.2	16.6	24.8

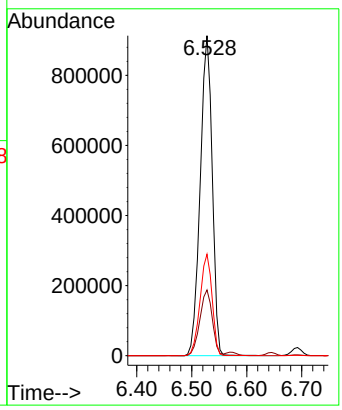




#7
Phenol-d6
Concen: 102.468 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 99 Resp: 138741

Ion	Ratio	Lower	Upper
99	100		
42	20.5	16.3	24.5
71	31.7	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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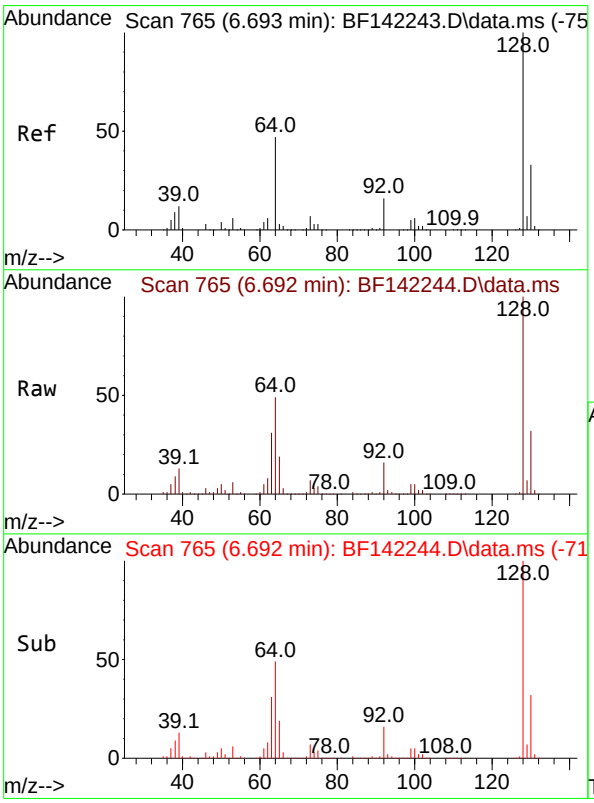
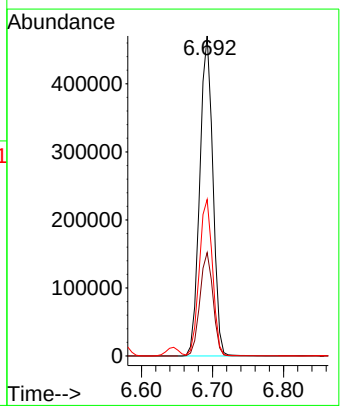
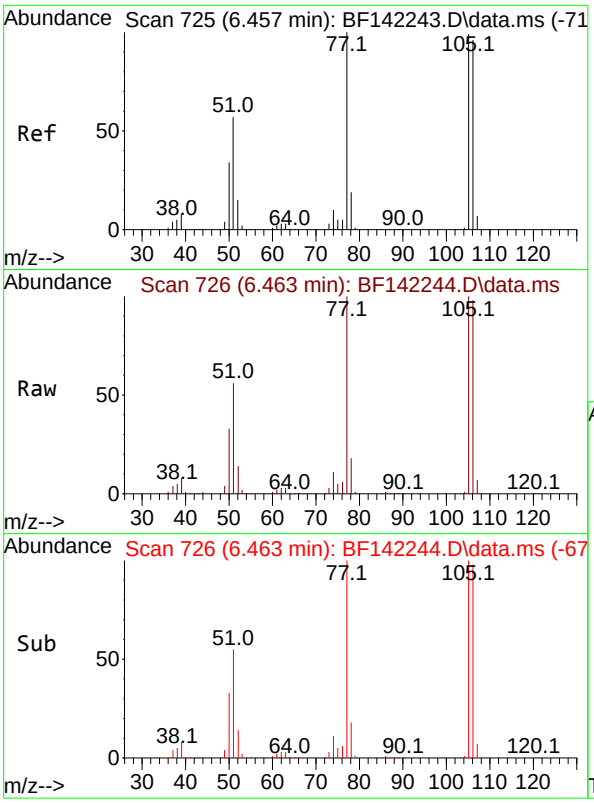


#8
2-Chlorophenol
Concen: 52.325 ng
RT: 6.692 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:128 Resp: 606252

Ion	Ratio	Lower	Upper
128	100		
130	32.3	13.1	53.1
64	48.9	28.6	68.6

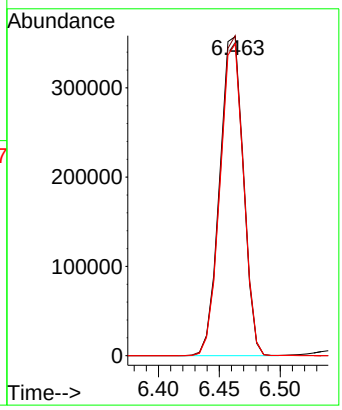




#9
Benzaldehyde
Concen: 50.998 ng
RT: 6.463 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 77 Resp: 48261

Ion	Ratio	Lower	Upper
77	100		
105	100.3	79.1	119.1
106	97.8	76.0	116.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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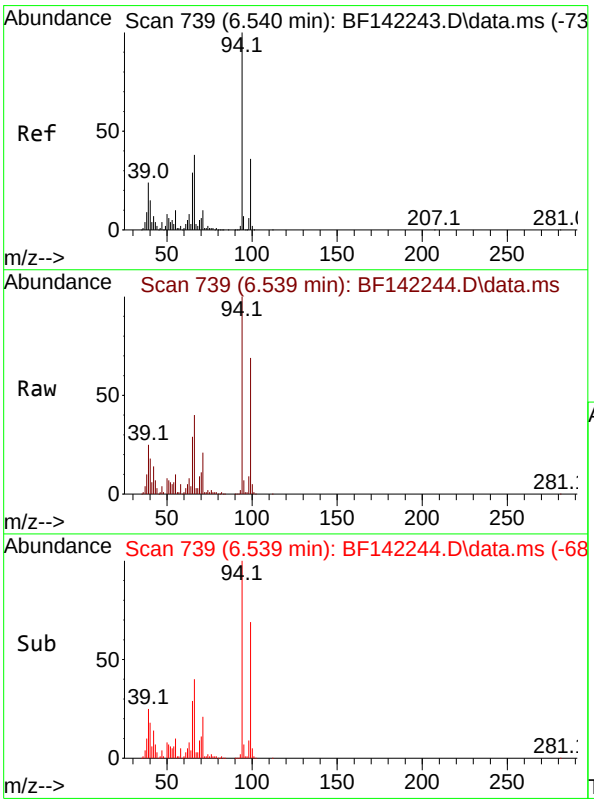
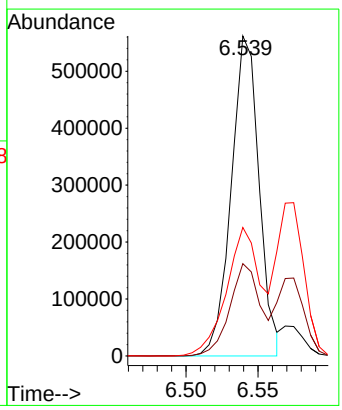
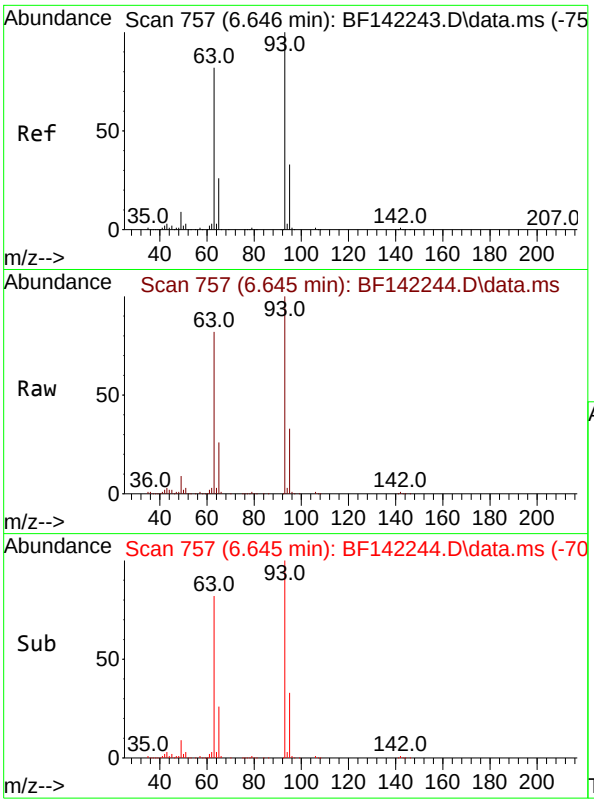


#10
Phenol
Concen: 51.820 ng m
RT: 6.539 min Scan# 739
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 94 Resp: 755326

Ion	Ratio	Lower	Upper
94	100		
65	28.8	8.9	48.9
66	40.2	18.7	58.7

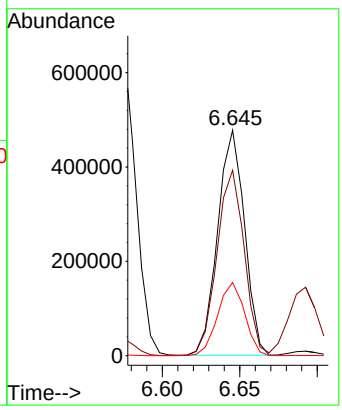




#11
bis(2-Chloroethyl)ether
Concen: 50.934 ng
RT: 6.645 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 93 Resp: 57534

Ion	Ratio	Lower	Upper
93	100		
63	82.3	62.2	102.2
95	32.5	12.7	52.7



Instrument :
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ClientSampleId :
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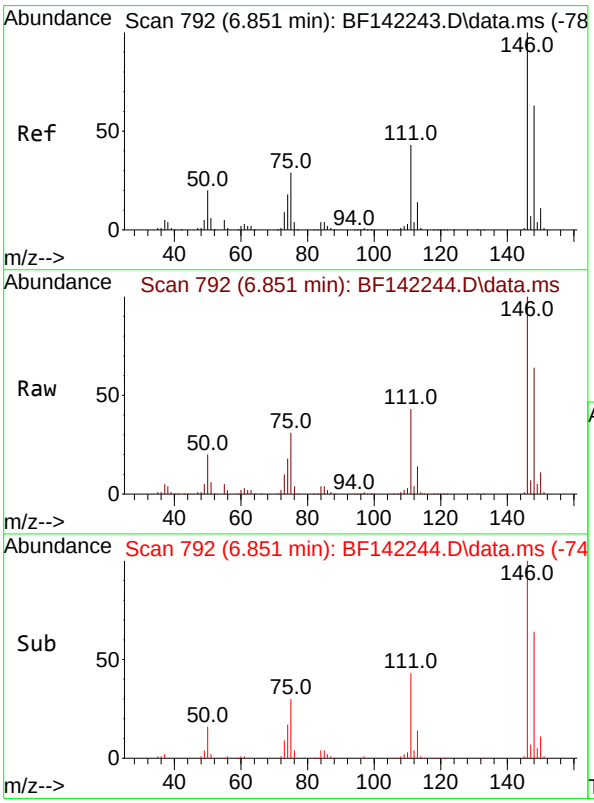
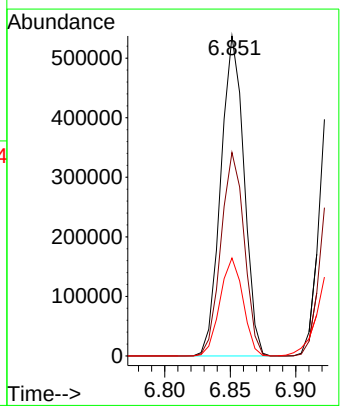
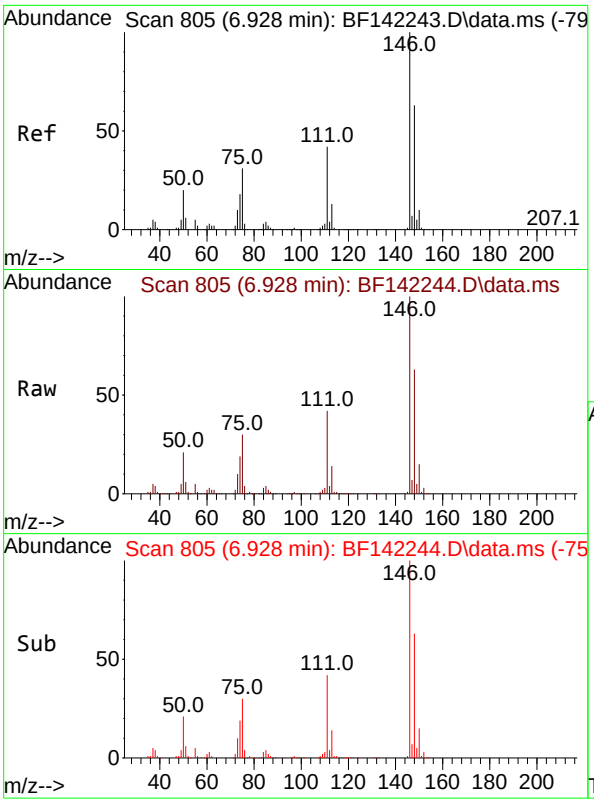


#12
1,3-Dichlorobenzene
Concen: 50.476 ng
RT: 6.851 min Scan# 792
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:146 Resp: 661612

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.5	75.7
75	30.6	23.2	34.8

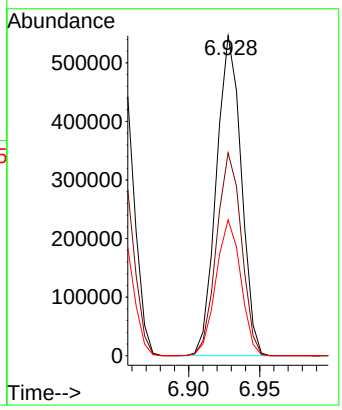




#13
1,4-Dichlorobenzene
Concen: 50.439 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:146 Resp: 66608

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.6	76.0
111	42.4	33.4	50.0



Instrument :
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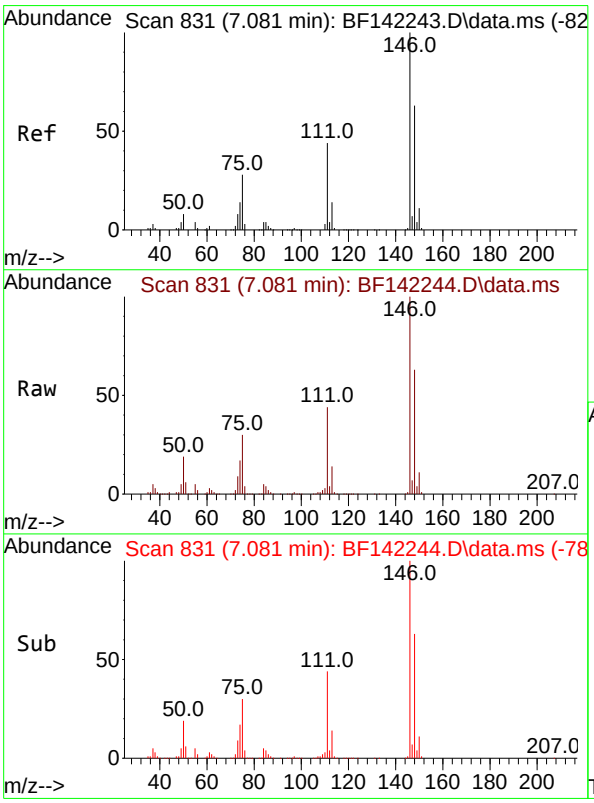
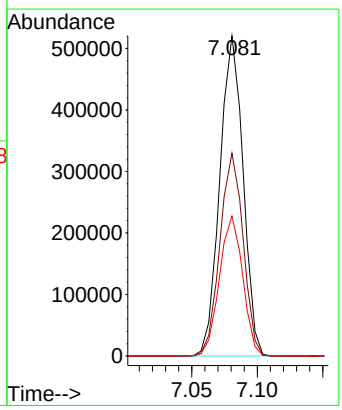
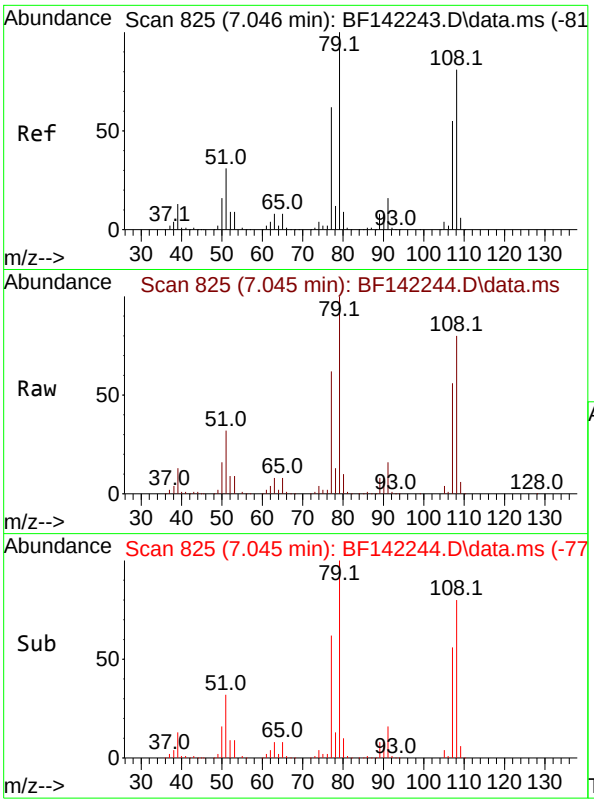


#14
1,2-Dichlorobenzene
Concen: 50.843 ng
RT: 7.081 min Scan# 831
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:146 Resp: 640983

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.5	75.7
111	43.7	34.9	52.3

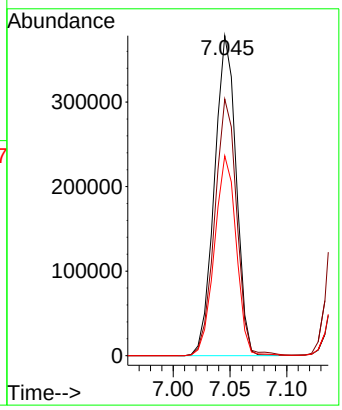




#15
Benzyl Alcohol
Concen: 52.514 ng
RT: 7.045 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 79 Resp: 50429

Ion	Ratio	Lower	Upper
79	100		
108	80.2	64.5	96.7
77	62.5	49.2	73.8



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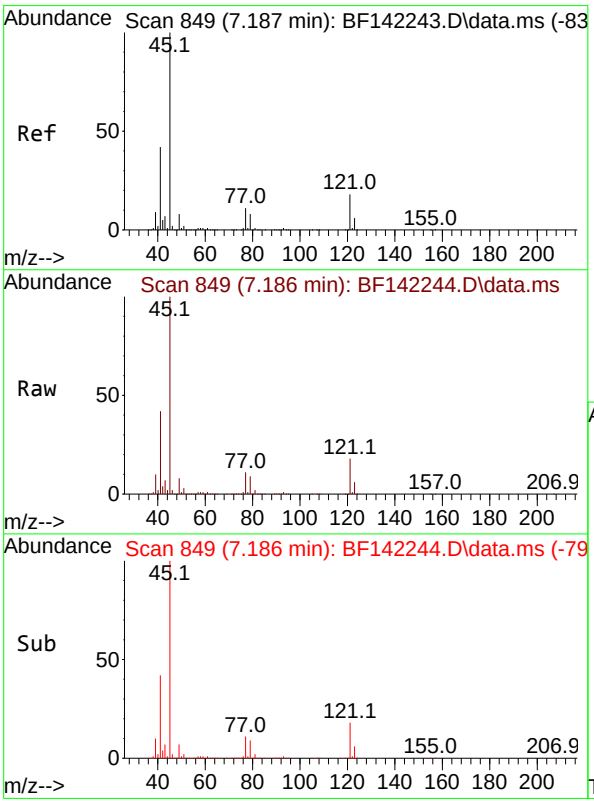
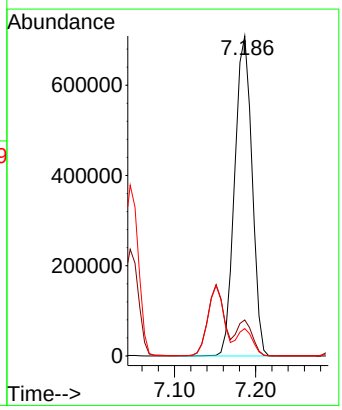
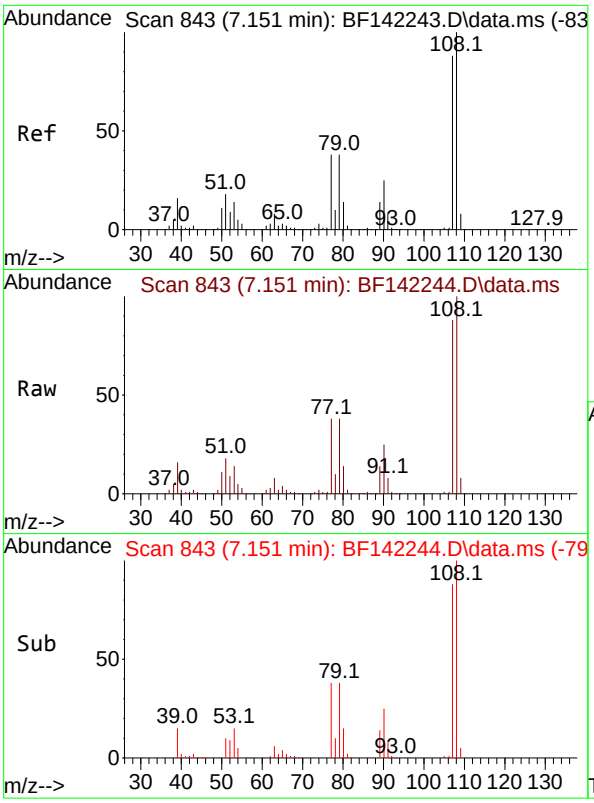


#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.444 ng
RT: 7.186 min Scan# 849
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 45 Resp: 1049319

Ion	Ratio	Lower	Upper
45	100		
77	11.3	0.0	31.3
79	8.6	0.0	28.5

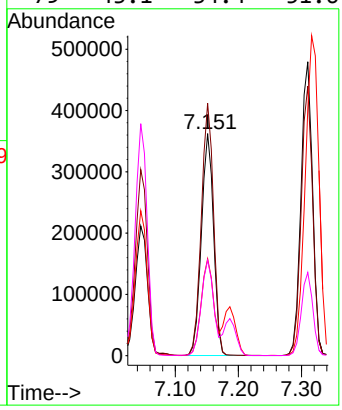




#17
2-Methylphenol
Concen: 51.113 ng
RT: 7.151 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:107 Resp: 48514

Ion	Ratio	Lower	Upper
107	100		
108	113.7	91.0	136.4
77	43.6	34.4	51.6
79	43.1	34.4	51.6



Instrument :
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ClientSampleId :
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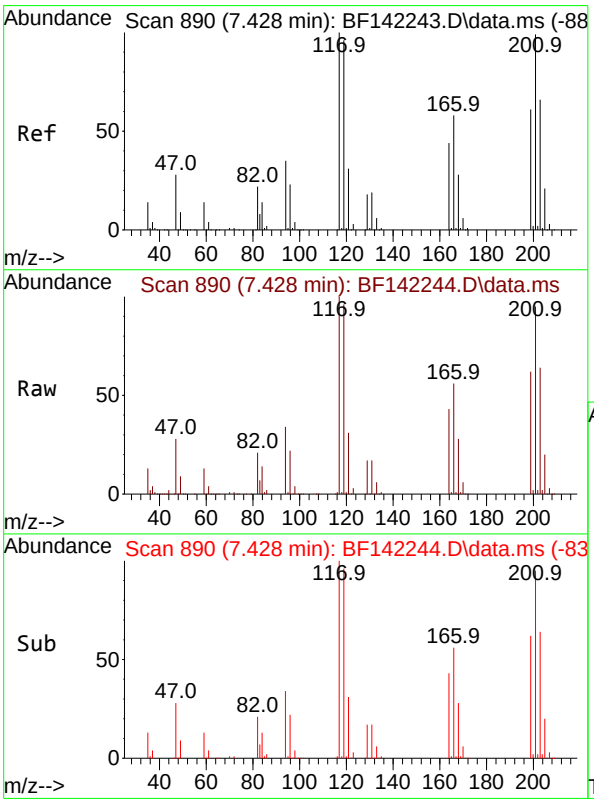
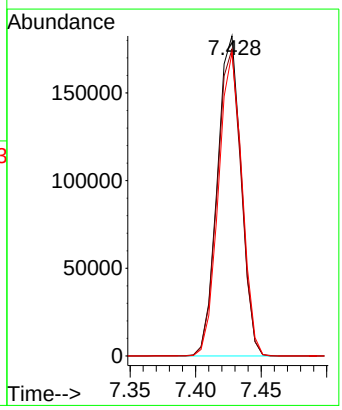
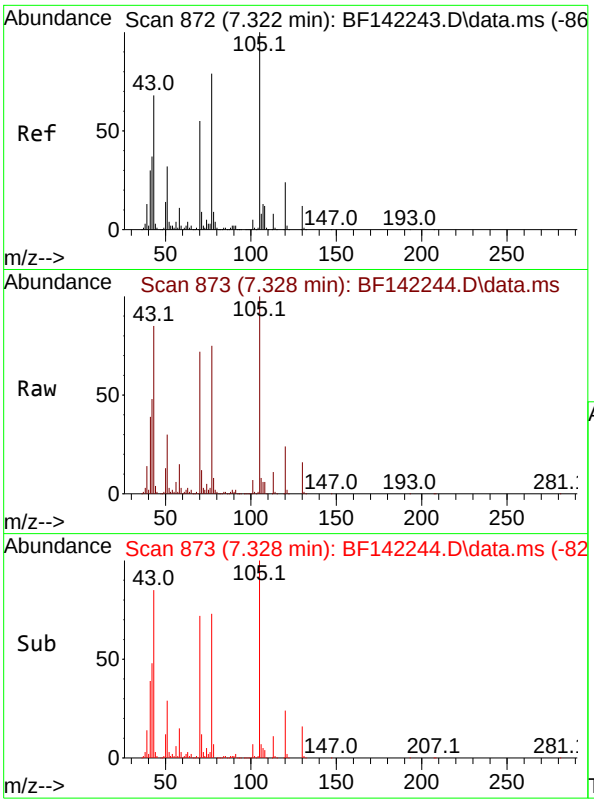


#18
Hexachloroethane
Concen: 53.193 ng
RT: 7.428 min Scan# 890
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:117 Resp: 229911

Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.1	115.7
201	94.8	79.4	119.2

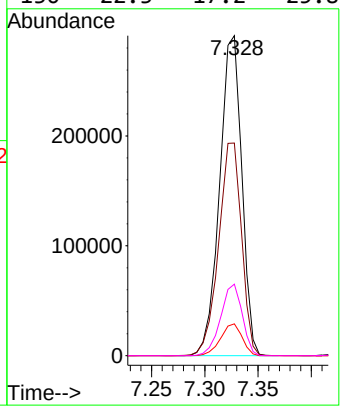




#19
n-Nitroso-di-n-propylamine
Concen: 50.261 ng
RT: 7.328 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 70 Resp: 42053

Ion	Ratio	Lower	Upper
70	100		
42	66.4	53.4	80.2
101	9.9	7.7	11.5
130	22.3	17.2	25.8



Instrument :
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ClientSampleId :
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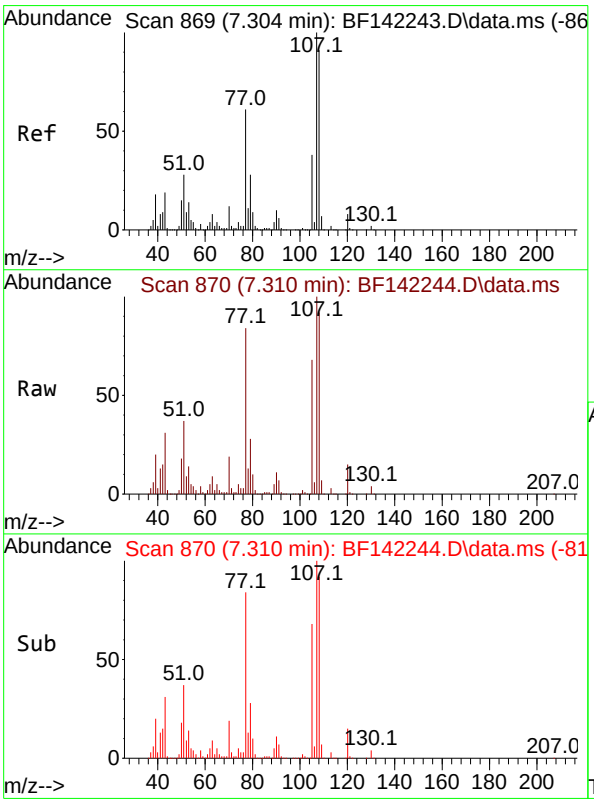
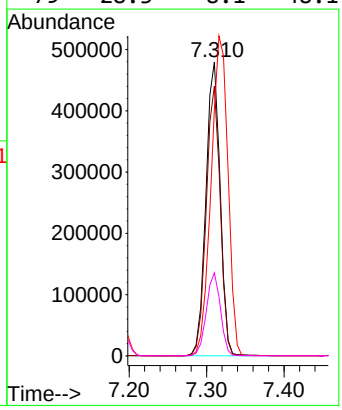
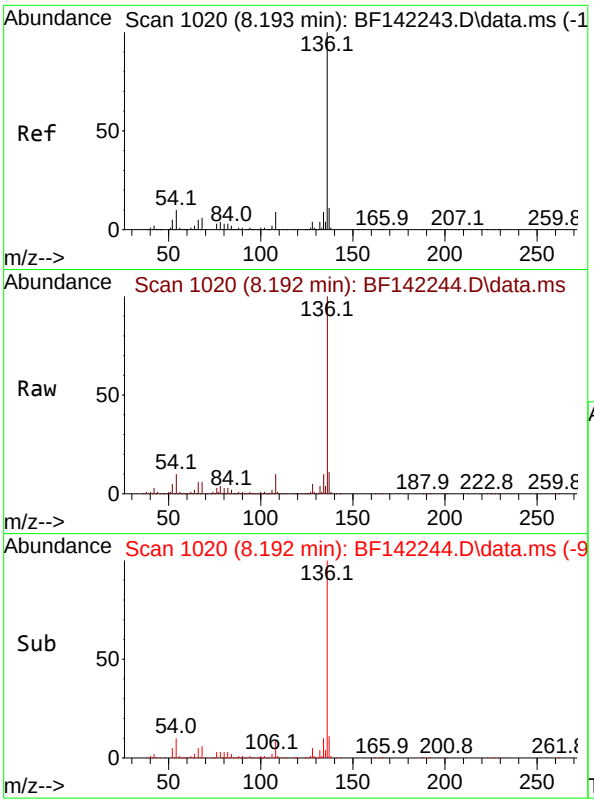


#20
3+4-Methylphenols
Concen: 51.510 ng
RT: 7.310 min Scan# 870
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:107 Resp: 611404

Ion	Ratio	Lower	Upper
107	100		
108	91.7	71.2	111.2
77	84.0	41.1	81.1#
79	28.3	8.1	48.1

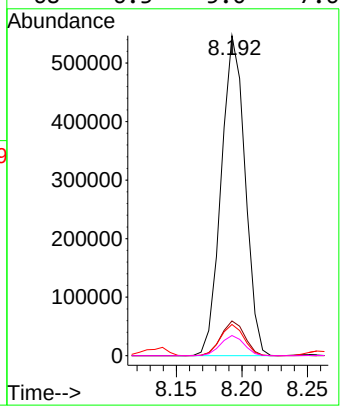




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:136 Resp: 69123

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	9.7	7.7	11.5
68	6.3	5.0	7.6



Instrument :
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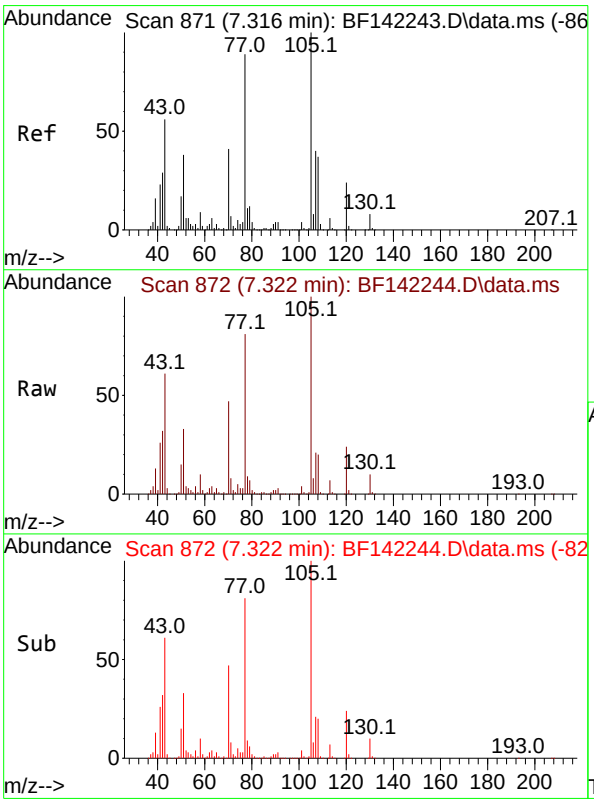
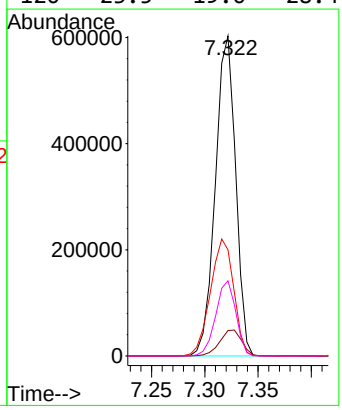
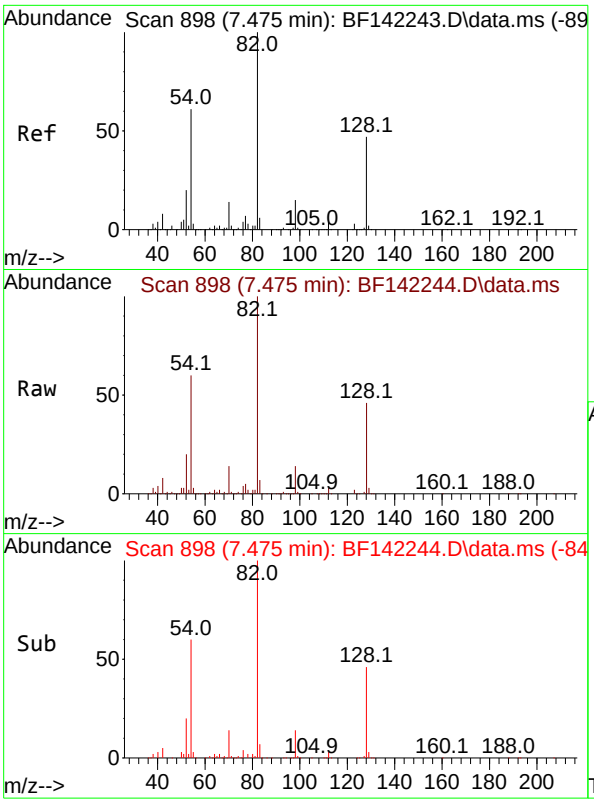


#22
Acetophenone
Concen: 49.805 ng
RT: 7.322 min Scan# 872
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:105 Resp: 796460

Ion	Ratio	Lower	Upper
105	100		
71	7.9	5.7	8.5
51	33.2	30.1	45.1
120	23.5	19.0	28.4





#23
Nitrobenzene-d5
Concen: 115.369 ng
RT: 7.475 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 82 Resp: 121385

Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.0	55.6
54	59.8	48.0	72.0

Instrument :
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ClientSampleId :
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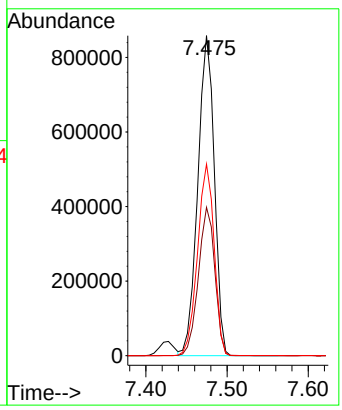
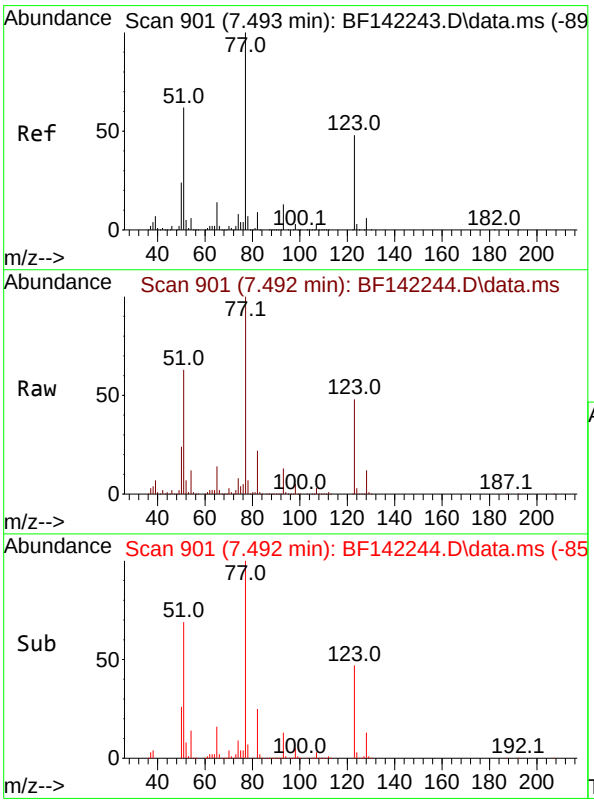
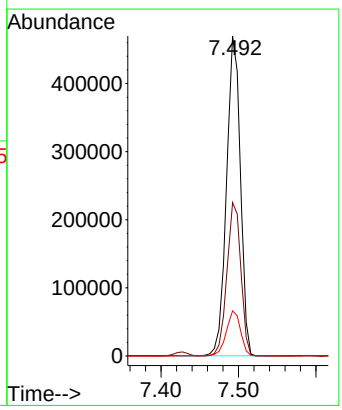


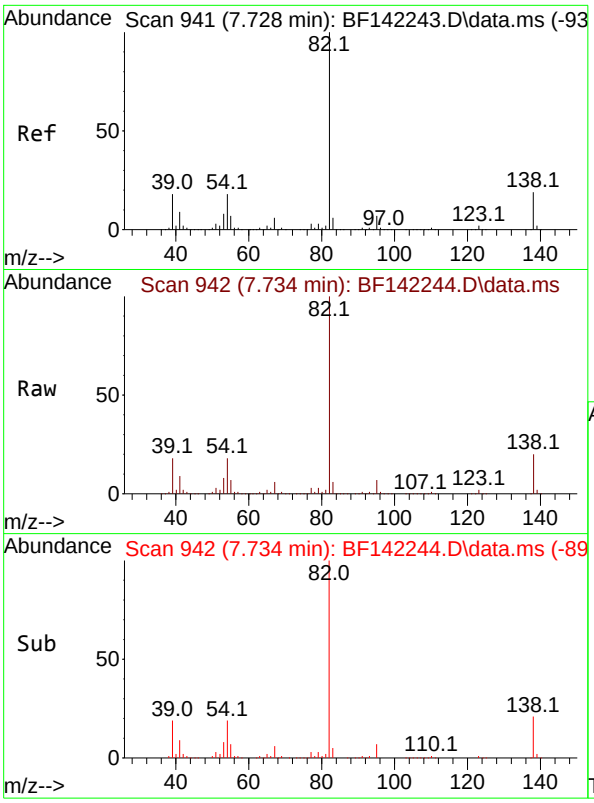


#24
Nitrobenzene
Concen: 56.634 ng
RT: 7.492 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 77 Resp: 584670

Ion	Ratio	Lower	Upper
77	100		
123	47.9	38.6	58.0
65	14.1	11.5	17.3

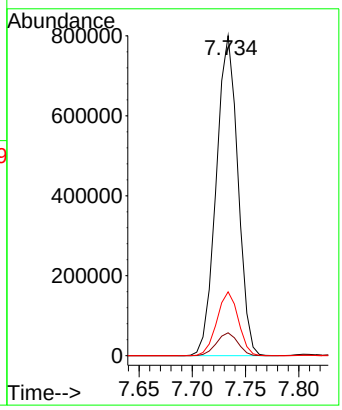




#25
Isophorone
Concen: 51.170 ng
RT: 7.734 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 82 Resp: 112993

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.6	8.4
138	19.9	15.3	22.9



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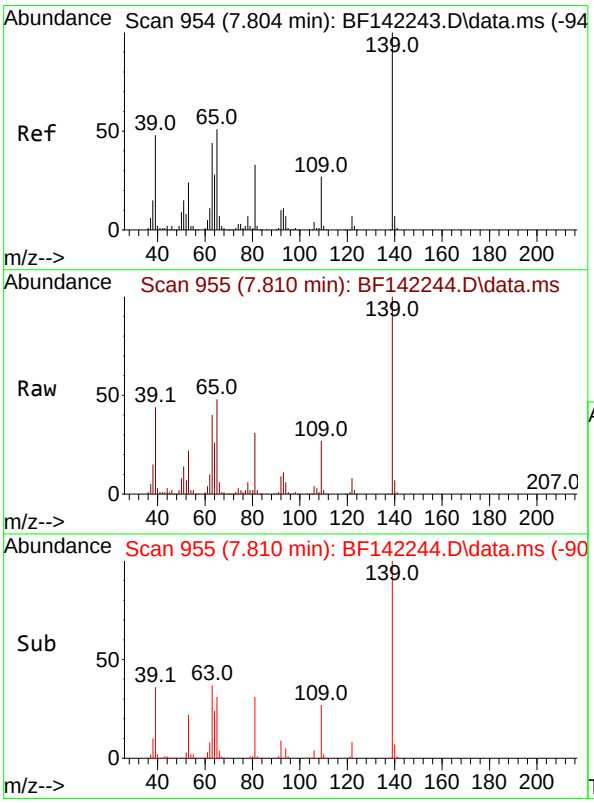
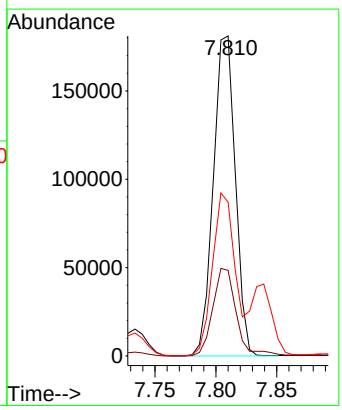
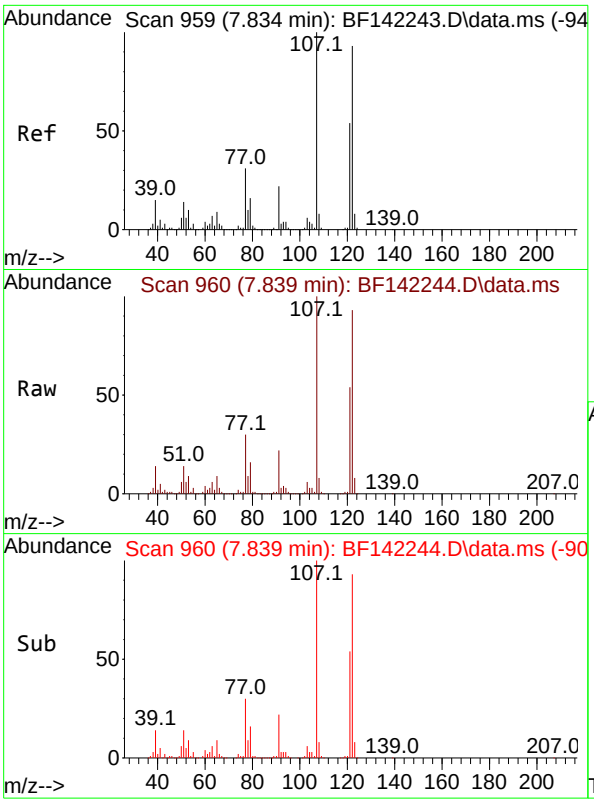


#26
2-Nitrophenol
Concen: 51.526 ng
RT: 7.810 min Scan# 955
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:139 Resp: 228021

Ion	Ratio	Lower	Upper
139	100		
109	26.7	21.8	32.8
65	48.1	41.1	61.7

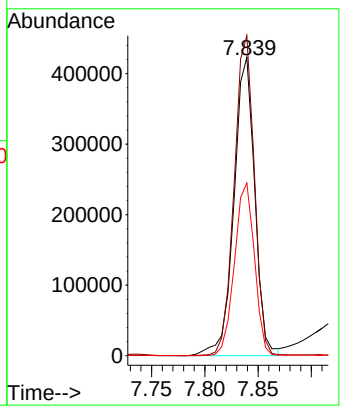




#27
2,4-Dimethylphenol
Concen: 51.741 ng
RT: 7.839 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:122 Resp: 57605

Ion	Ratio	Lower	Upper
122	100		
107	107.3	86.0	129.0
121	57.9	46.3	69.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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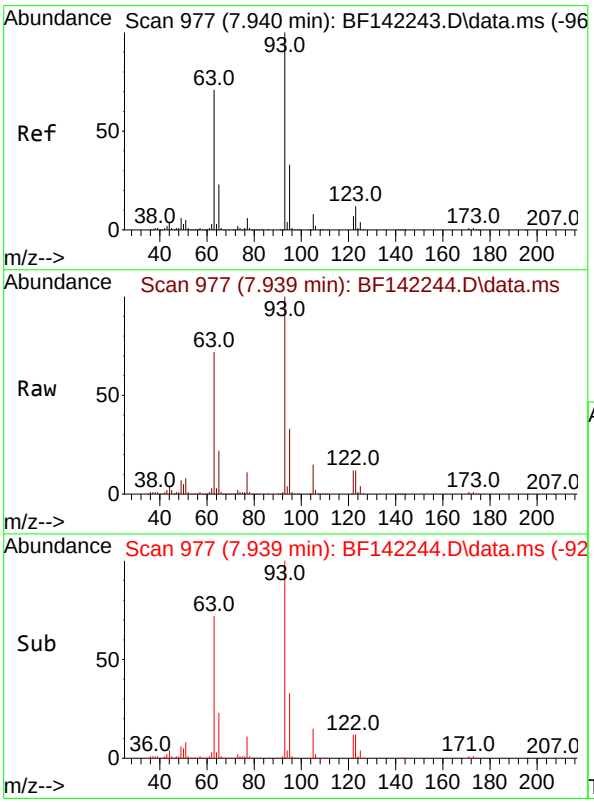
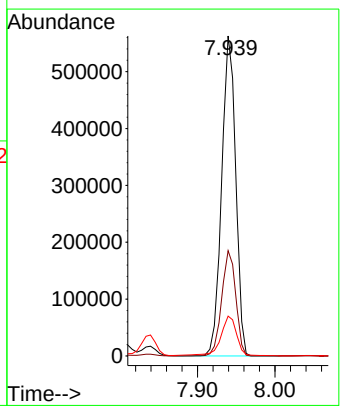
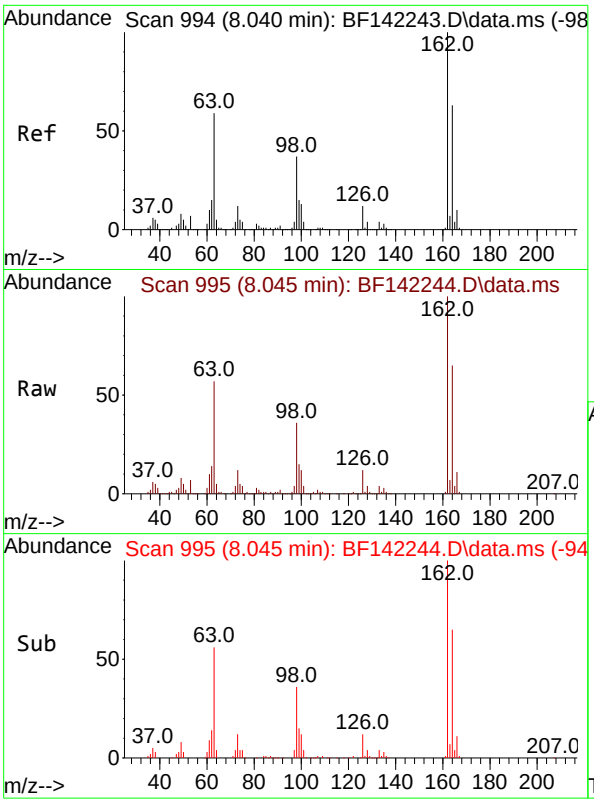


#28
bis(2-Chloroethoxy)methane
Concen: 50.870 ng
RT: 7.939 min Scan# 977
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 93 Resp: 708439

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.2	39.2
123	12.4	9.7	14.5

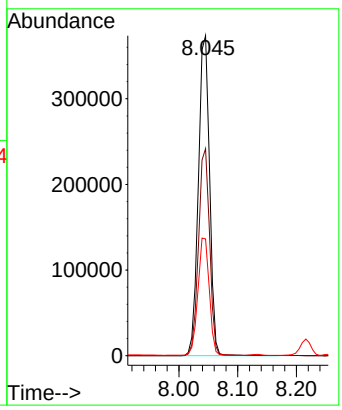




#29
2,4-Dichlorophenol
Concen: 53.125 ng
RT: 8.045 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:162 Resp: 49448

Ion	Ratio	Lower	Upper
162	100		
164	64.7	43.0	83.0
98	36.5	16.7	56.7



Instrument :
BNA_F
ClientSampleId :
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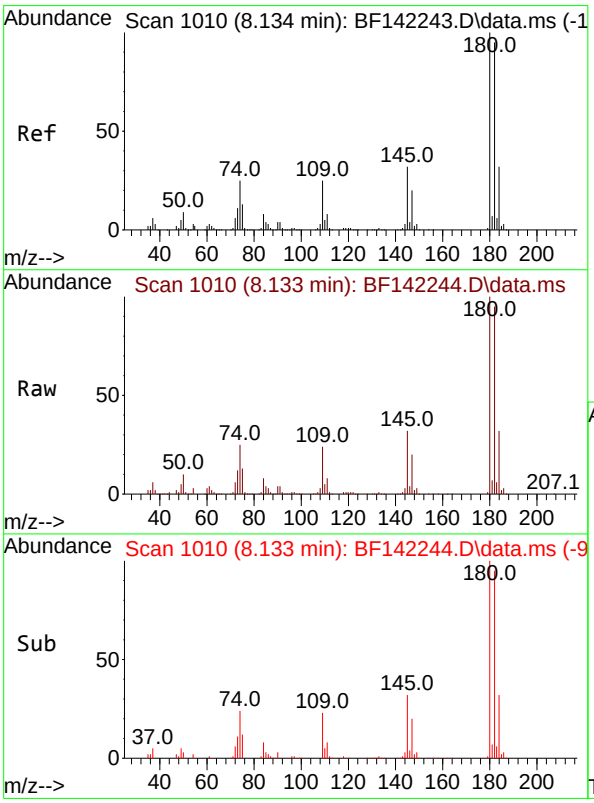
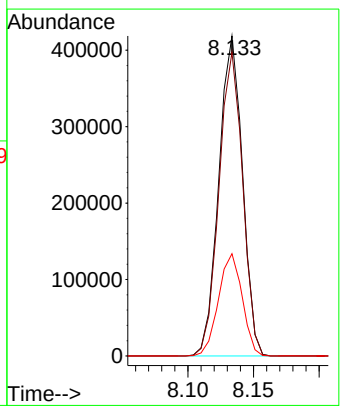
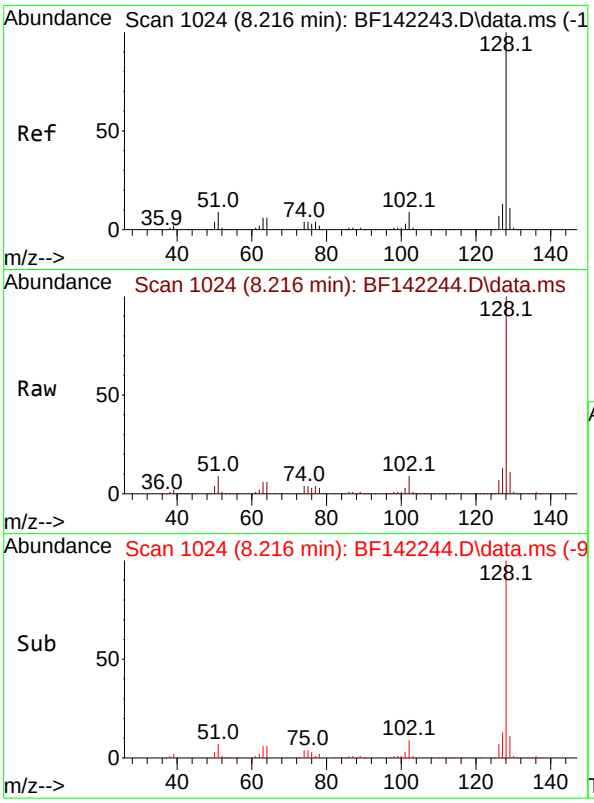


#30
1,2,4-Trichlorobenzene
Concen: 50.497 ng
RT: 8.133 min Scan# 1010
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:180 Resp: 524508

Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.7	113.5
145	32.0	25.4	38.0

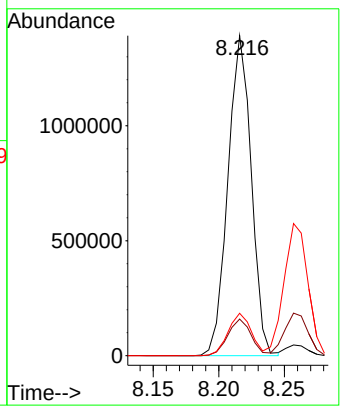




#31
Naphthalene
Concen: 50.064 ng
RT: 8.216 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:128 Resp: 172581

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.4
127	13.3	10.6	15.8



Instrument :
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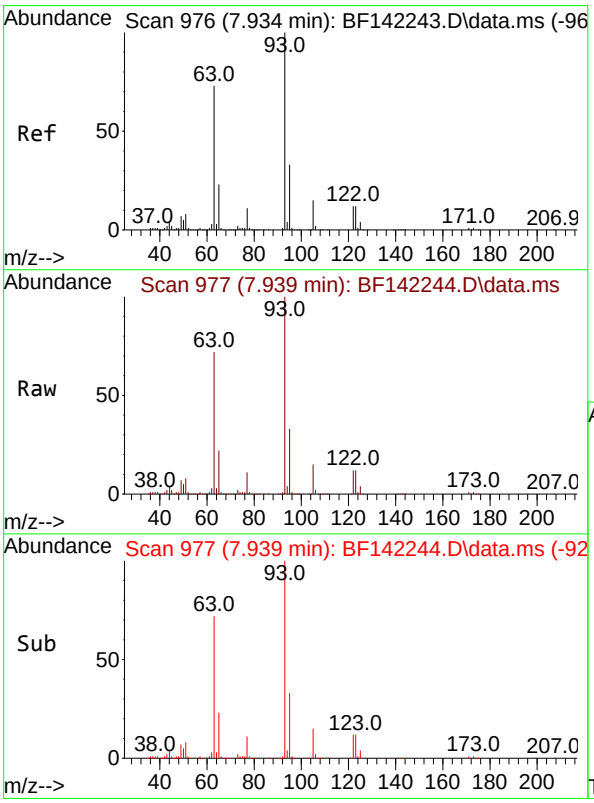
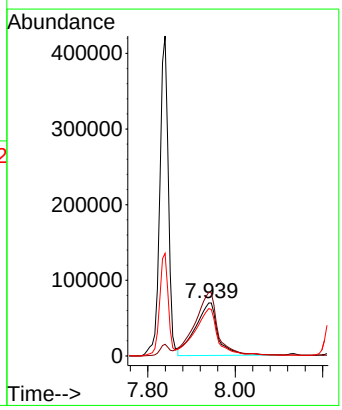
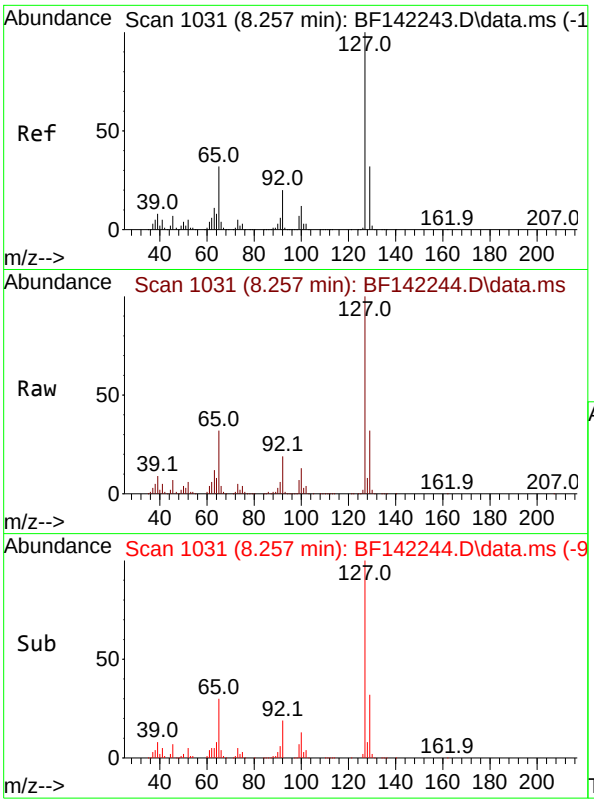


#32
Benzoic acid
Concen: 47.667 ng
RT: 7.939 min Scan# 977
Delta R.T. 0.005 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:122 Resp: 252184

Ion	Ratio	Lower	Upper
122	100		
105	120.1	98.2	138.2
77	89.3	66.8	106.8

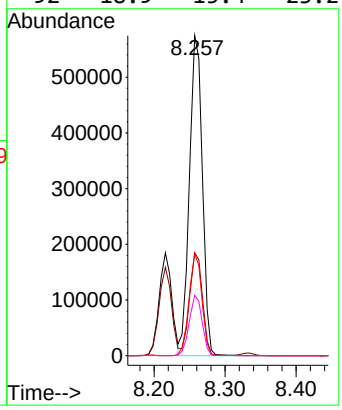




#33
4-Chloroaniline
Concen: 50.914 ng
RT: 8.257 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:127 Resp: 73086

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.1	39.1
65	32.0	25.5	38.3
92	18.9	15.4	23.2



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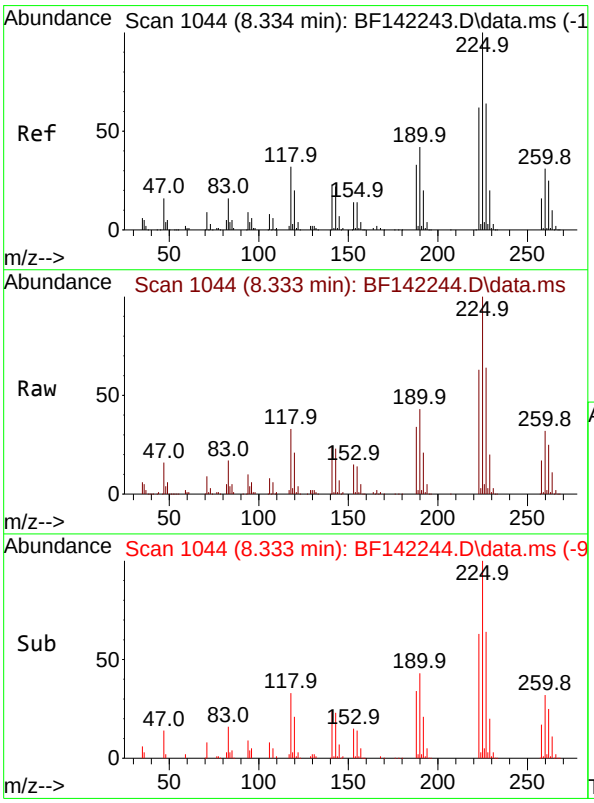
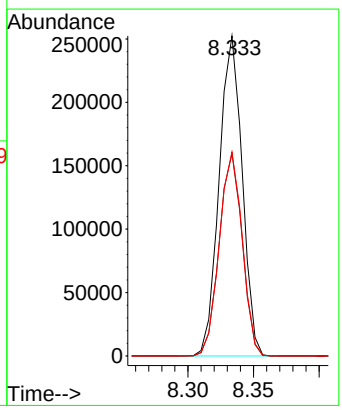
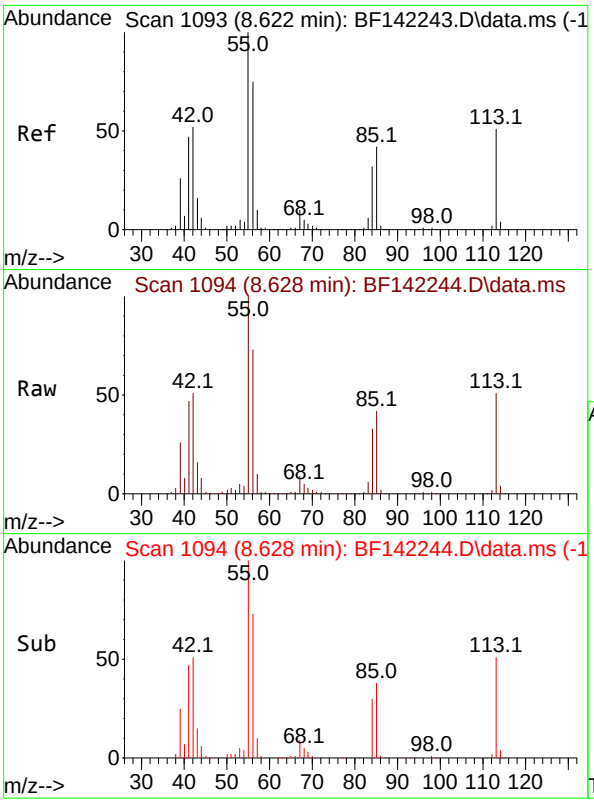


#34
Hexachlorobutadiene
Concen: 50.679 ng
RT: 8.333 min Scan# 1044
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:225 Resp: 307118

Ion	Ratio	Lower	Upper
225	100		
223	63.2	49.7	74.5
227	63.8	51.0	76.4

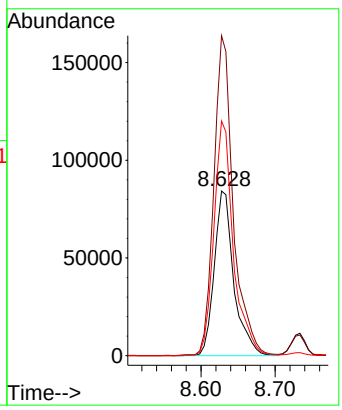




#35
Caprolactam
Concen: 55.251 ng
RT: 8.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:113 Resp: 15457

Ion	Ratio	Lower	Upper
113	100		
55	194.4	177.7	217.7
56	142.7	127.1	167.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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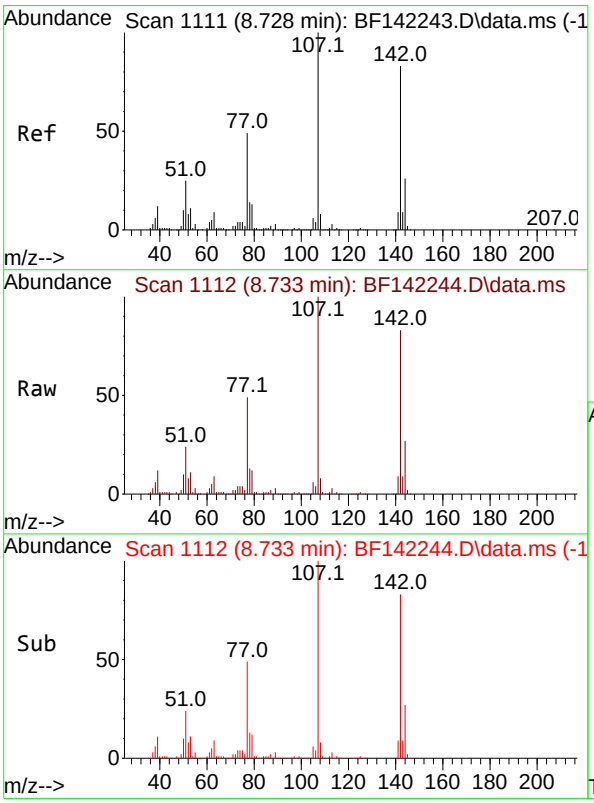
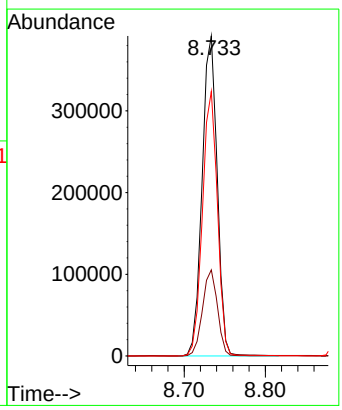
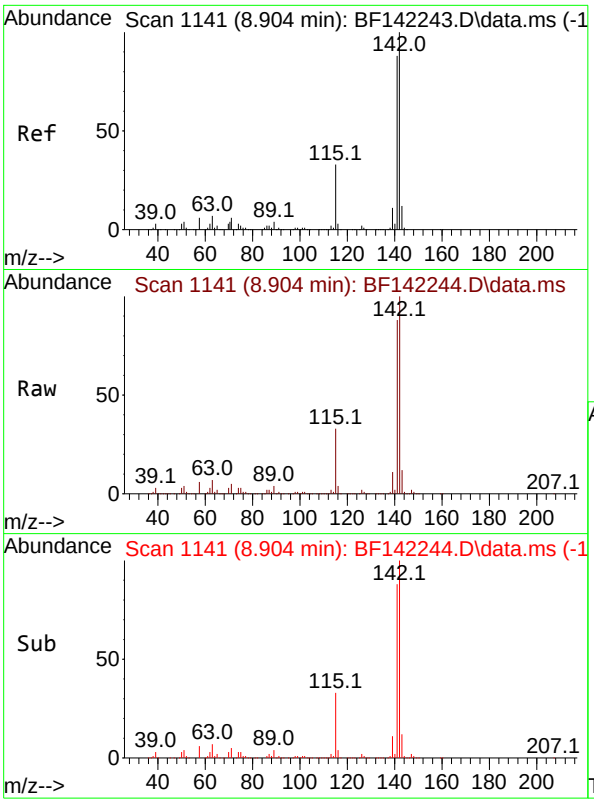


#36
4-Chloro-3-methylphenol
Concen: 52.891 ng
RT: 8.733 min Scan# 1112
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:107 Resp: 505527

Ion	Ratio	Lower	Upper
107	100		
144	26.9	21.0	31.4
142	82.6	66.1	99.1

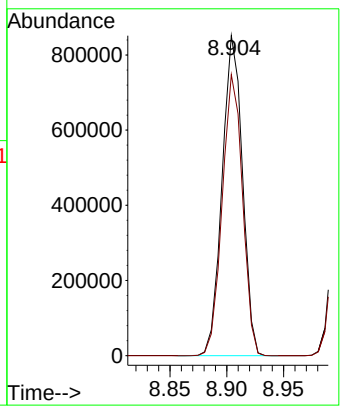




#37
2-Methylnaphthalene
Concen: 49.915 ng
RT: 8.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:142 Resp: 105792

Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.5	105.7



Instrument :
BNA_F
ClientSampleId :
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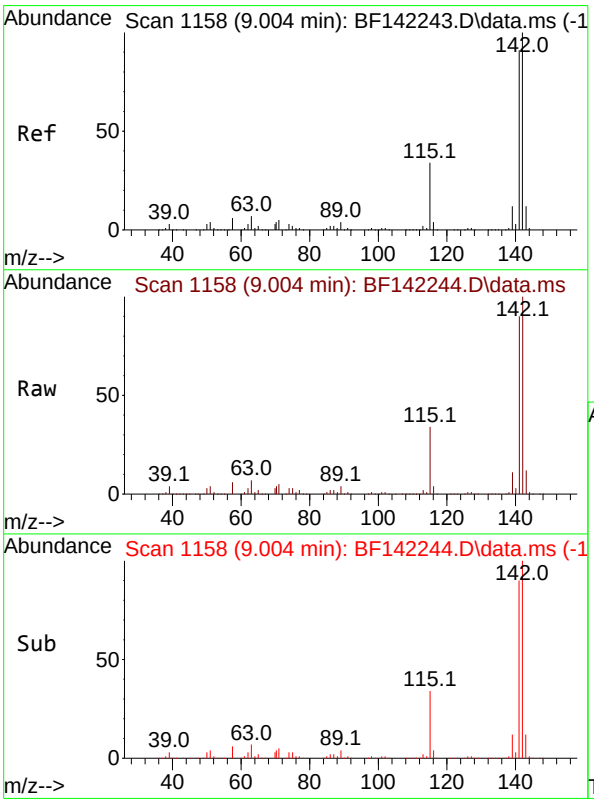
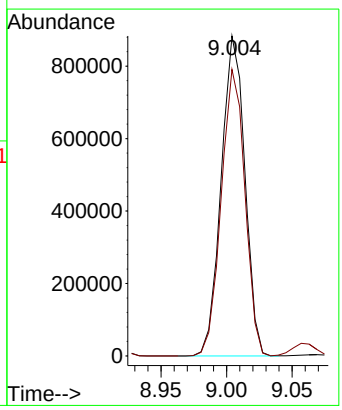
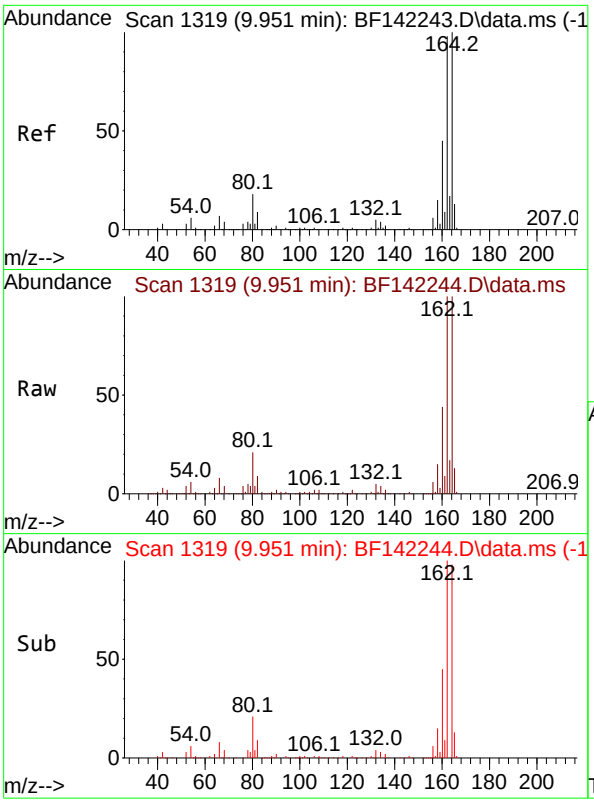


#38
1-Methylnaphthalene
Concen: 50.427 ng
RT: 9.004 min Scan# 1158
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:142 Resp: 1107217

Ion	Ratio	Lower	Upper
142	100		
141	89.6	72.8	109.2

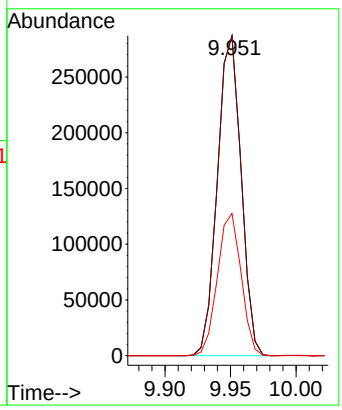




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:164 Resp: 36014

Ion	Ratio	Lower	Upper
164	100		
162	99.8	78.6	117.8
160	44.5	35.7	53.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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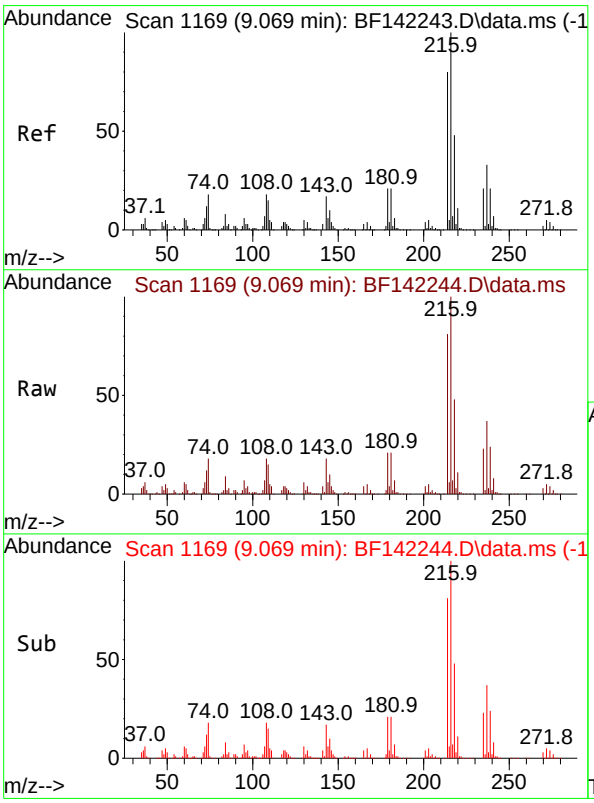
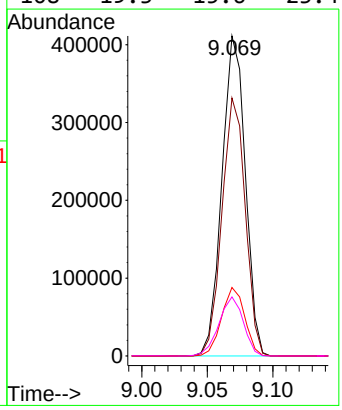
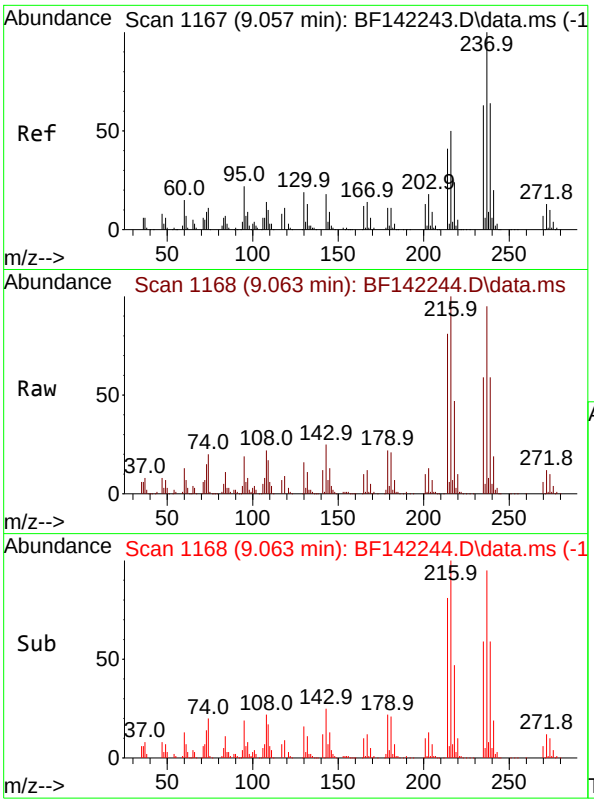


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.261 ng
RT: 9.069 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:216 Resp: 509426

Ion	Ratio	Lower	Upper
216	100		
214	80.5	63.8	95.6
179	21.3	16.7	25.1
108	19.3	15.6	23.4

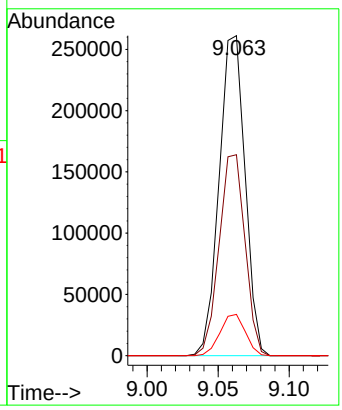




#41
Hexachlorocyclopentadiene
Concen: 57.591 ng
RT: 9.063 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:237 Resp: 33128

Ion	Ratio	Lower	Upper
237	100		
235	62.8	43.5	83.5
272	12.9	0.0	32.9



Instrument :
BNA_F
ClientSampleId :
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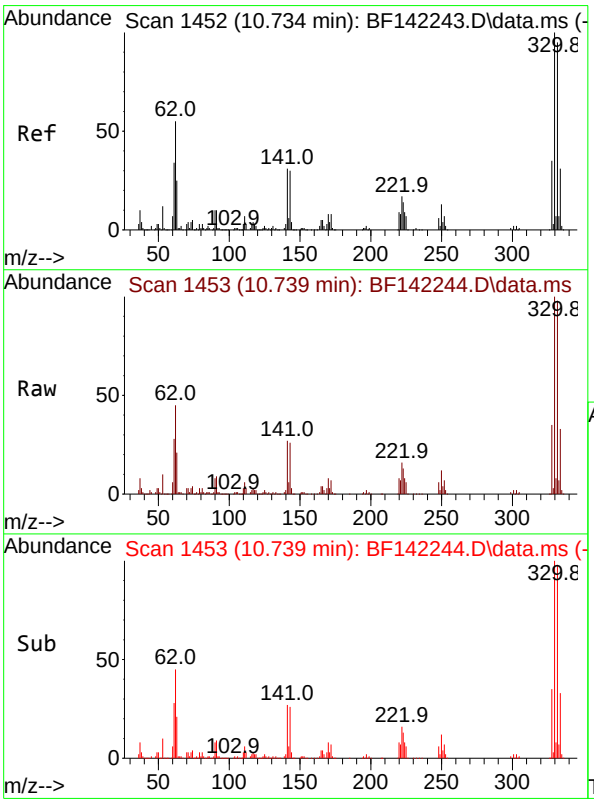
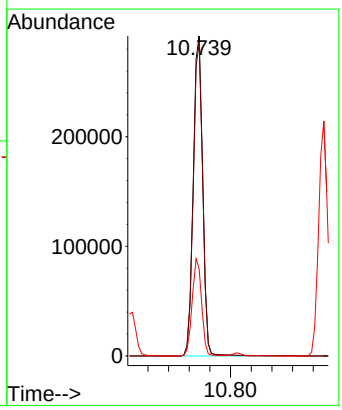
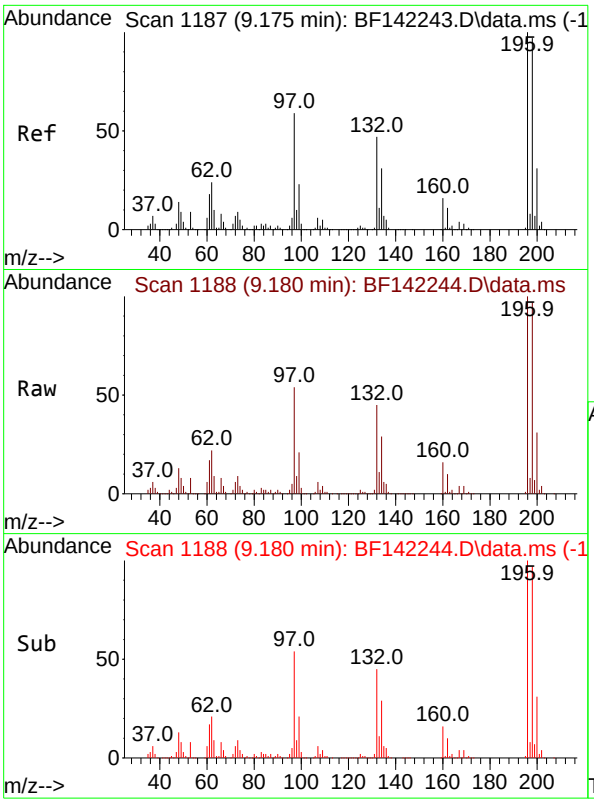


#42
2,4,6-Tribromophenol
Concen: 112.641 ng
RT: 10.739 min Scan# 1453
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:330 Resp: 369823

Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.5	114.7
141	30.5	24.3	36.5

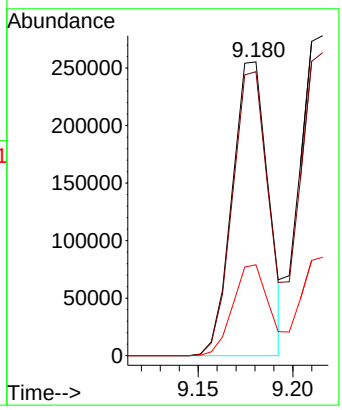




#43
2,4,6-Trichlorophenol
Concen: 53.801 ng
RT: 9.180 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:196 Resp: 33791

Ion	Ratio	Lower	Upper
196	100		
198	96.7	77.4	116.2
200	30.9	24.6	37.0



Instrument :
BNA_F
ClientSampleId :
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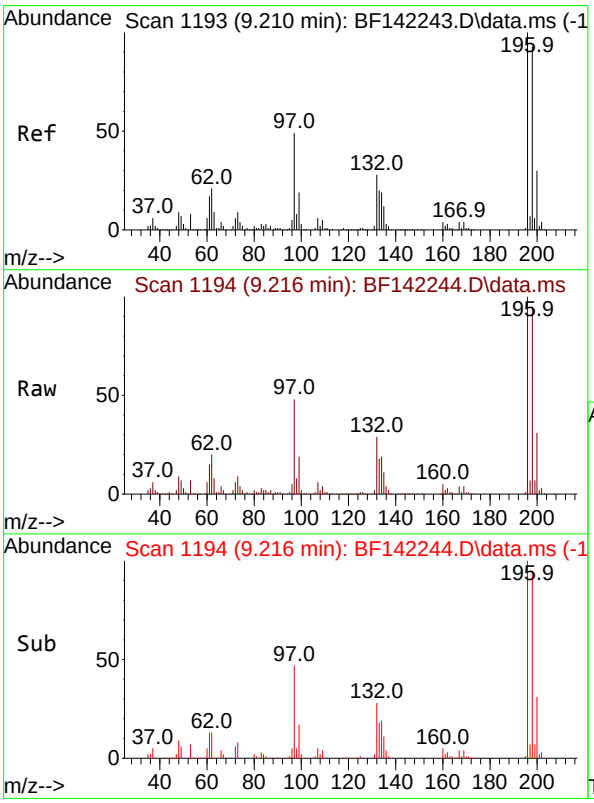
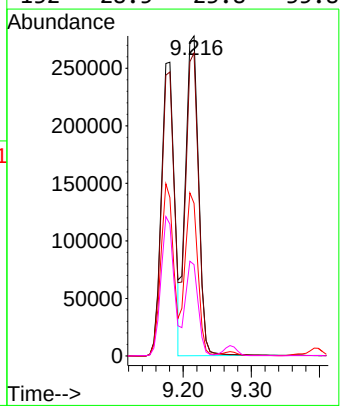
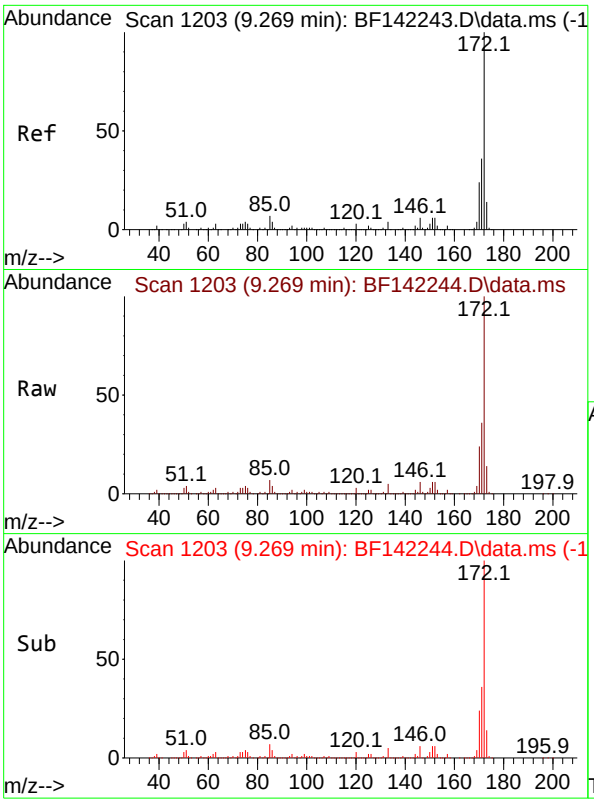


#44
2,4,5-Trichlorophenol
Concen: 56.106 ng
RT: 9.216 min Scan# 1194
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:196 Resp: 370489

Ion	Ratio	Lower	Upper
196	100		
198	94.7	75.2	112.8
97	47.7	39.8	59.8
132	28.5	23.8	35.8

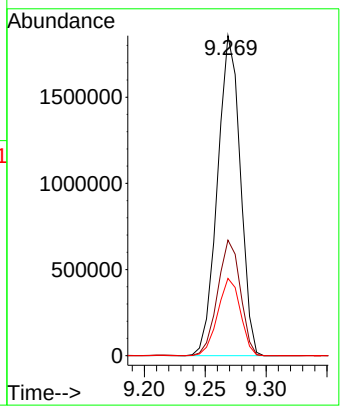




#45
2-Fluorobiphenyl
Concen: 94.966 ng
RT: 9.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:172 Resp: 242570

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.4
170	24.1	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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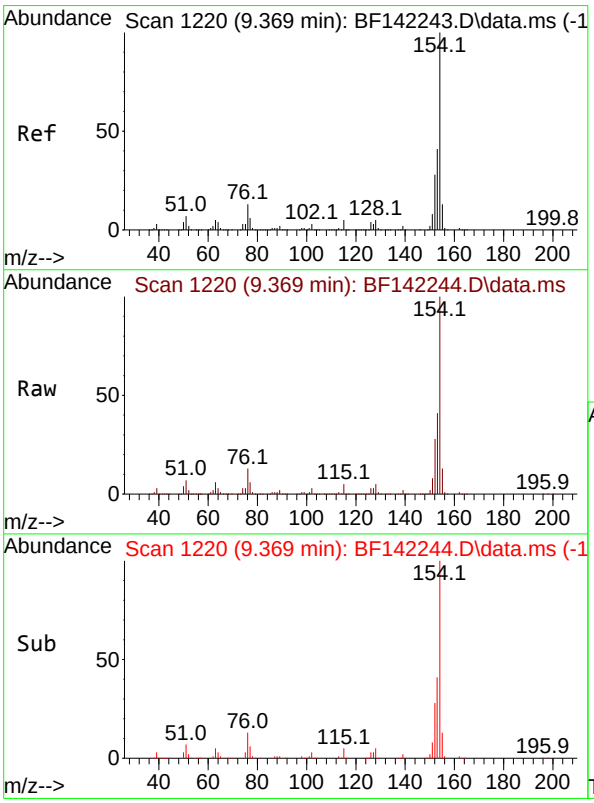
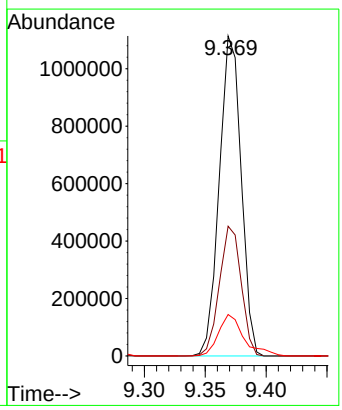
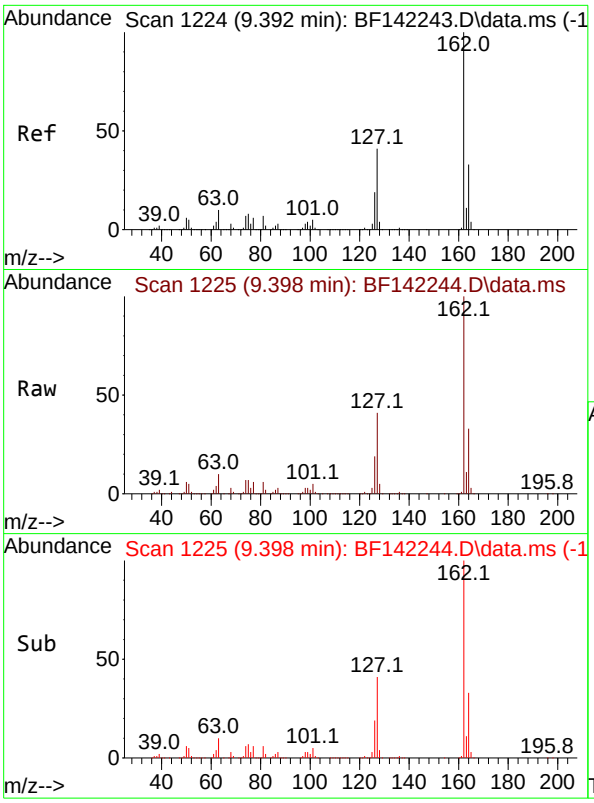


#46
1,1'-Biphenyl
Concen: 49.736 ng
RT: 9.369 min Scan# 1220
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:154 Resp: 1392513

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.5	60.5
76	13.0	0.0	32.8

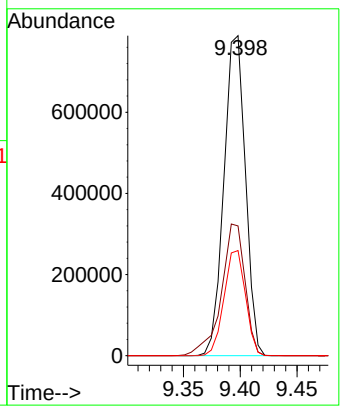




#47
2-Chloronaphthalene
Concen: 50.015 ng
RT: 9.398 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:162 Resp: 104184

Ion	Ratio	Lower	Upper
162	100		
127	40.6	32.6	49.0
164	32.9	26.1	39.1



Instrument :
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ClientSampleId :
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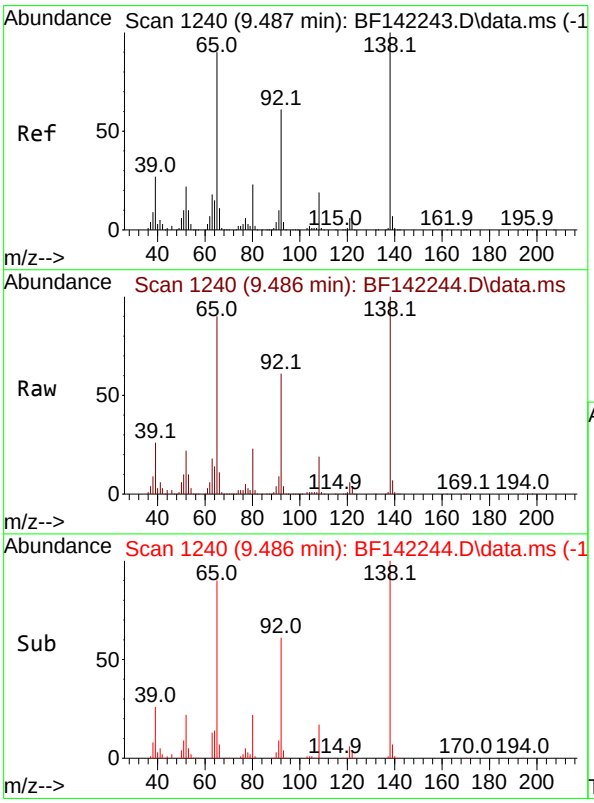
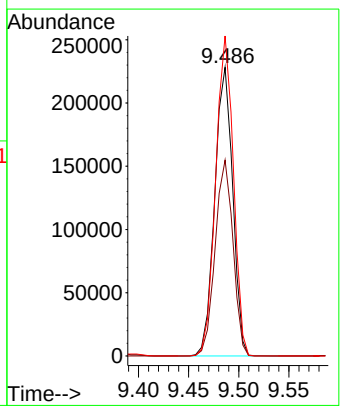
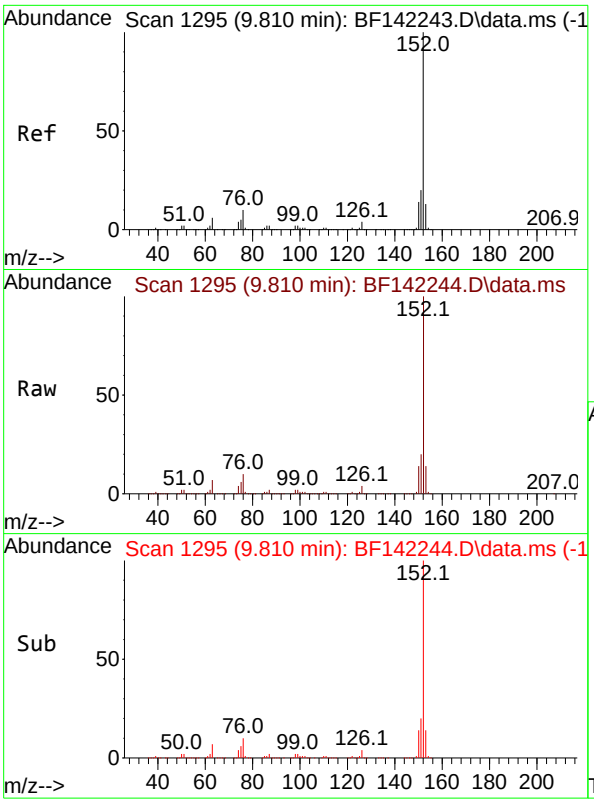


#48
2-Nitroaniline
Concen: 51.394 ng
RT: 9.486 min Scan# 1240
Delta R.T. -0.001 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 65 Resp: 284370

Ion	Ratio	Lower	Upper
65	100		
92	67.9	54.3	81.5
138	110.9	88.6	133.0

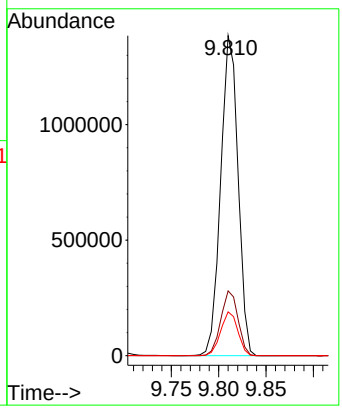




#49
Acenaphthylene
Concen: 50.339 ng
RT: 9.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:152 Resp: 176944

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.7	10.7	16.1



Instrument :
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ClientSampleId :
SSTDICC050

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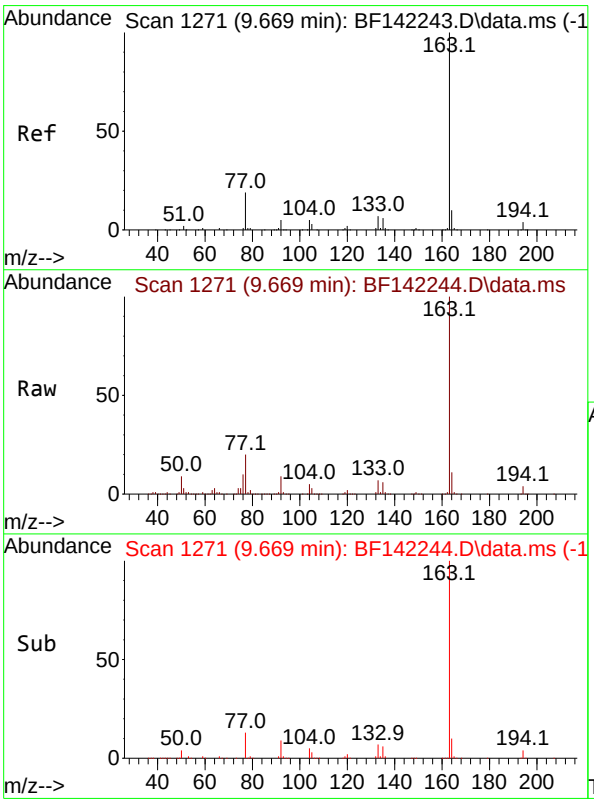
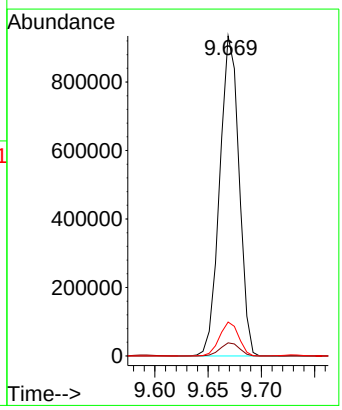
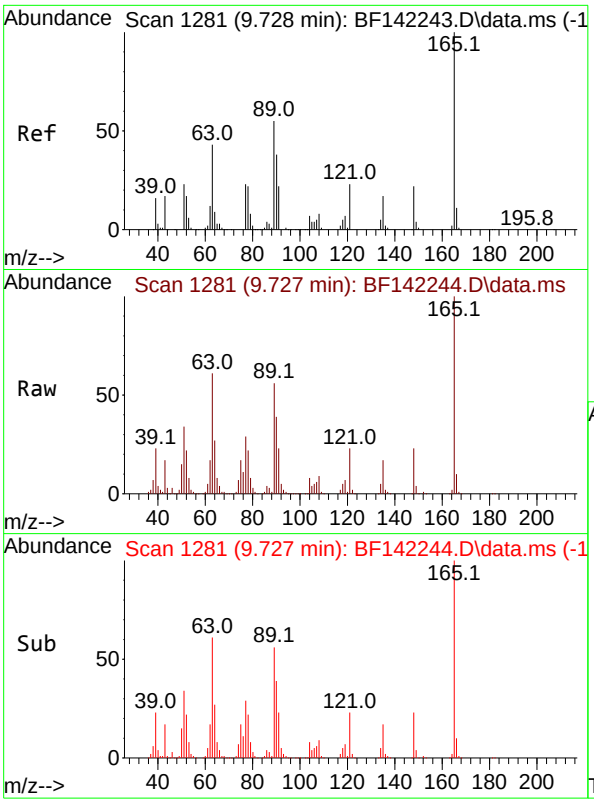


#50
Dimethylphthalate
Concen: 51.156 ng
RT: 9.669 min Scan# 1271
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:163 Resp: 1178638

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.6	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 52.309 ng
RT: 9.727 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:165 Resp: 23290

Ion	Ratio	Lower	Upper
165	100		
63	61.1	48.5	72.7
89	55.8	43.9	65.9

Instrument :
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ClientSampleId :
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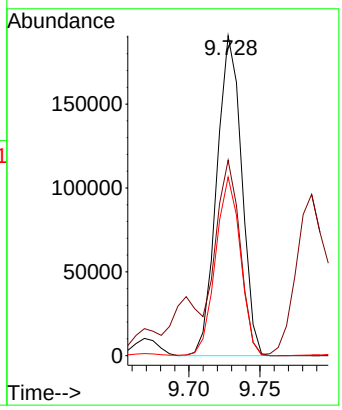
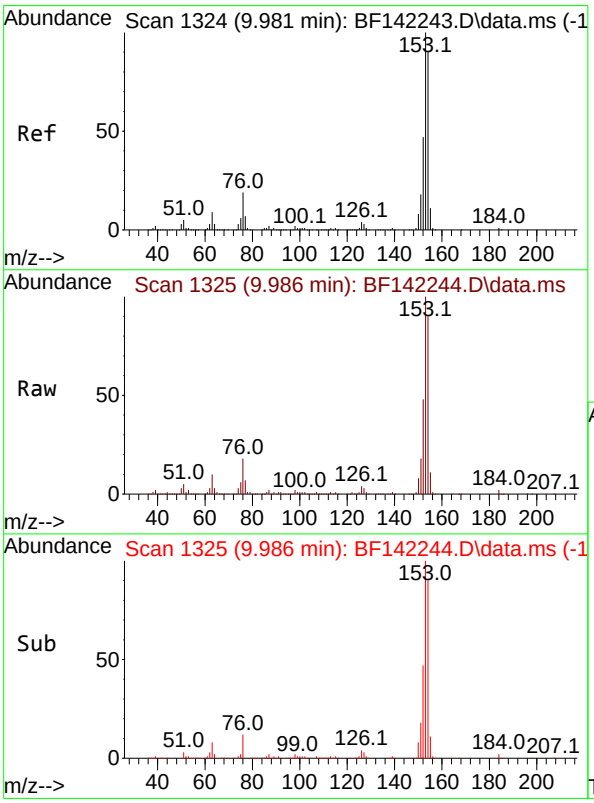
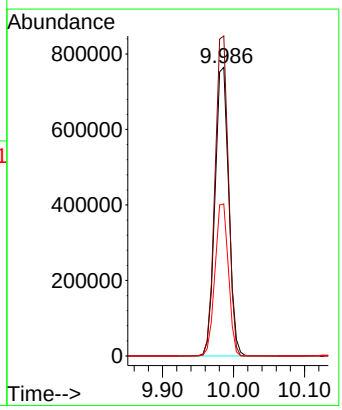


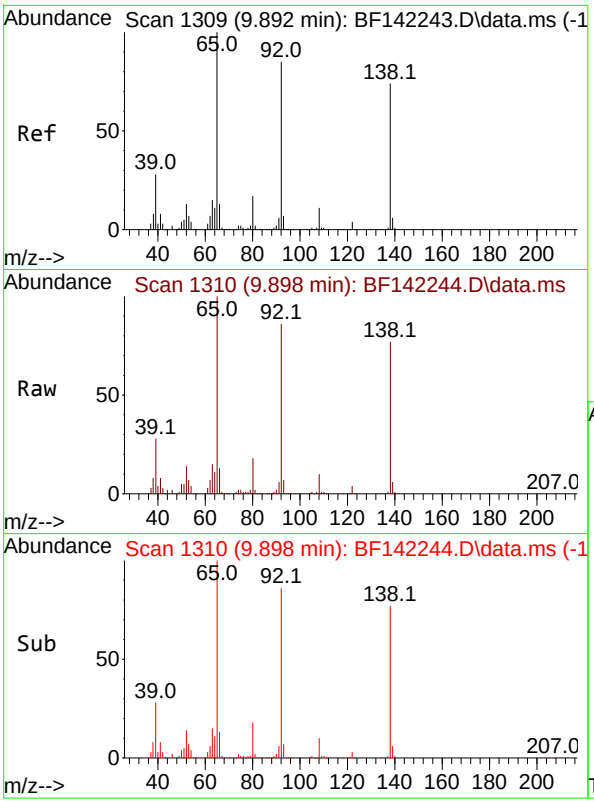


#52
Acenaphthene
Concen: 49.912 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:154 Resp: 1024409

Ion	Ratio	Lower	Upper
154	100		
153	110.9	88.6	133.0
152	52.7	42.1	63.1

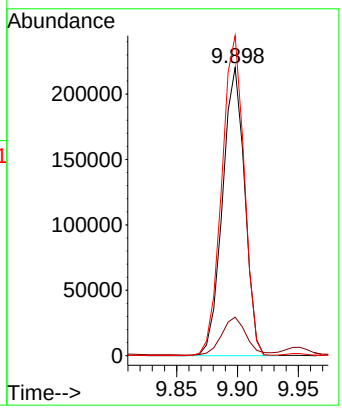




#53
3-Nitroaniline
Concen: 51.745 ng
RT: 9.898 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:138 Resp: 27960

Ion	Ratio	Lower	Upper
138	100		
108	13.4	11.7	17.5
92	111.0	91.2	136.8



Instrument :
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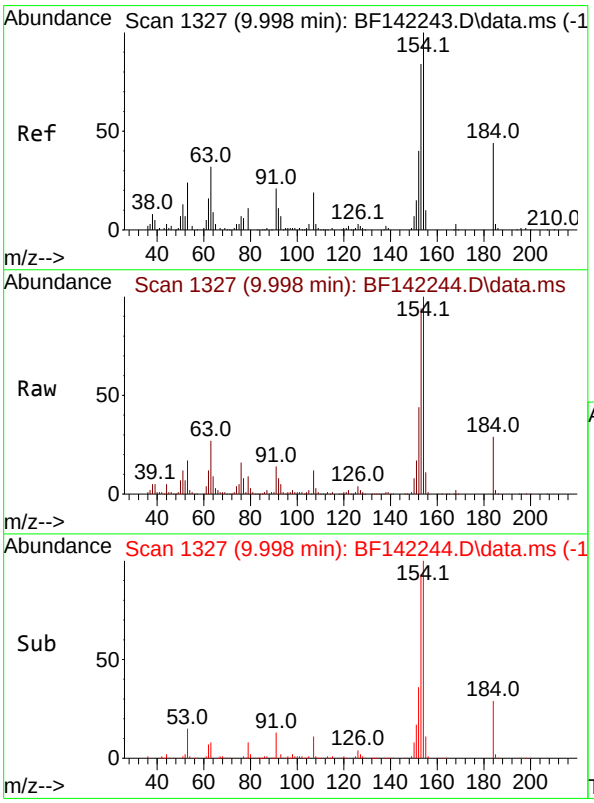
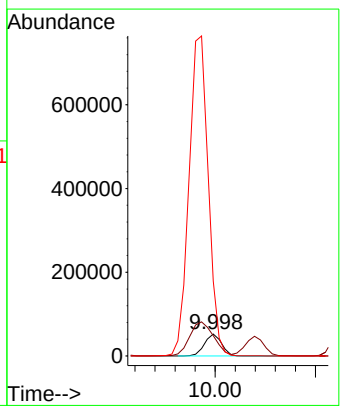
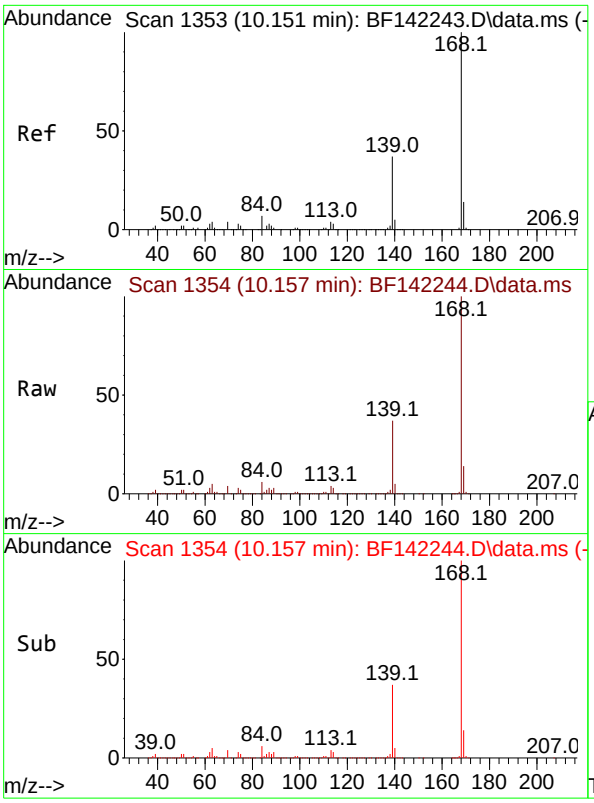


#54
2,4-Dinitrophenol
Concen: 50.725 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:184 Resp: 62086

Ion	Ratio	Lower	Upper
184	100		
63	92.9	69.2	103.8
154	342.0	271.4	407.2

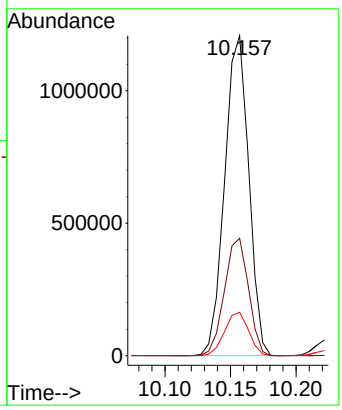




#55
Dibenzofuran
Concen: 50.123 ng
RT: 10.157 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:168 Resp: 154209

Ion	Ratio	Lower	Upper
168	100		
139	36.7	29.4	44.0
169	13.6	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
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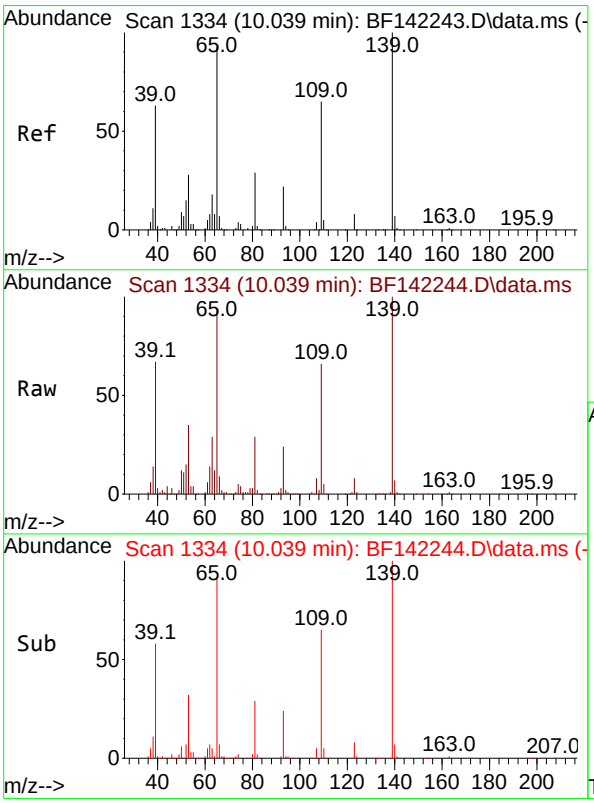
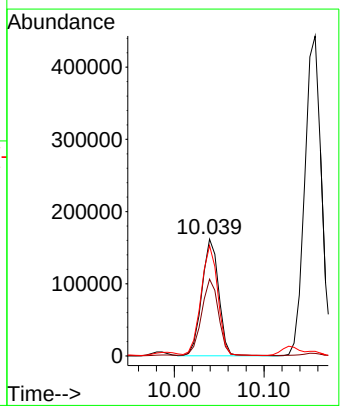
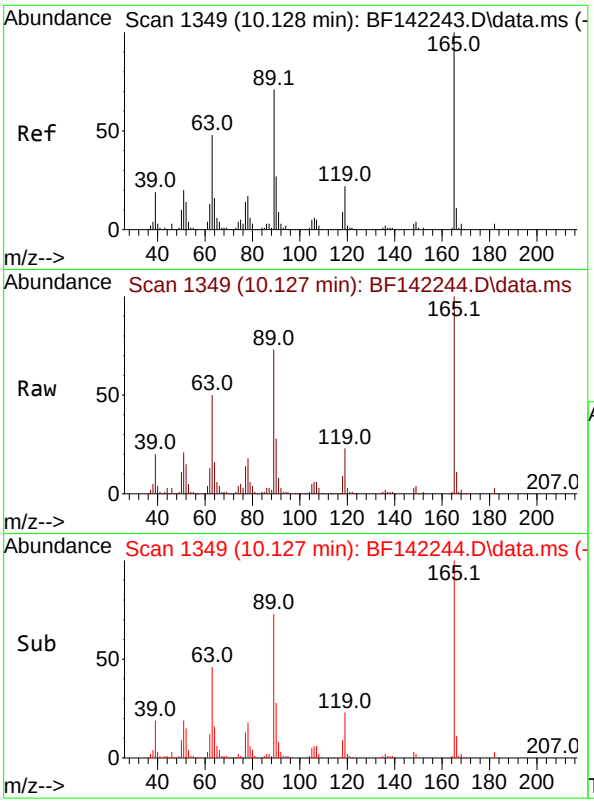


#56
4-Nitrophenol
Concen: 58.029 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:139 Resp: 210153

Ion	Ratio	Lower	Upper
139	100		
109	65.7	44.9	84.9
65	94.5	74.7	114.7

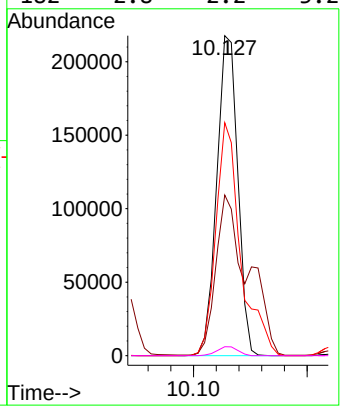




#57
2,4-Dinitrotoluene
Concen: 51.918 ng
RT: 10.127 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:165 Resp: 28019

Ion	Ratio	Lower	Upper
165	100		
63	50.2	38.8	58.2
89	72.8	57.1	85.7
182	2.8	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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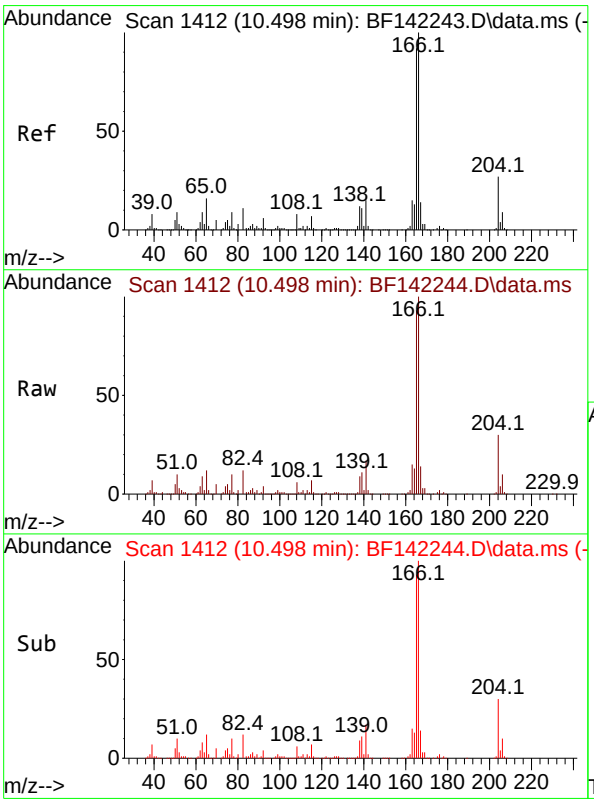
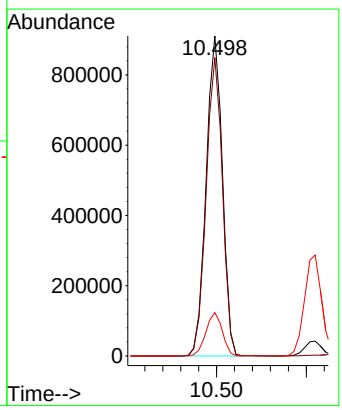
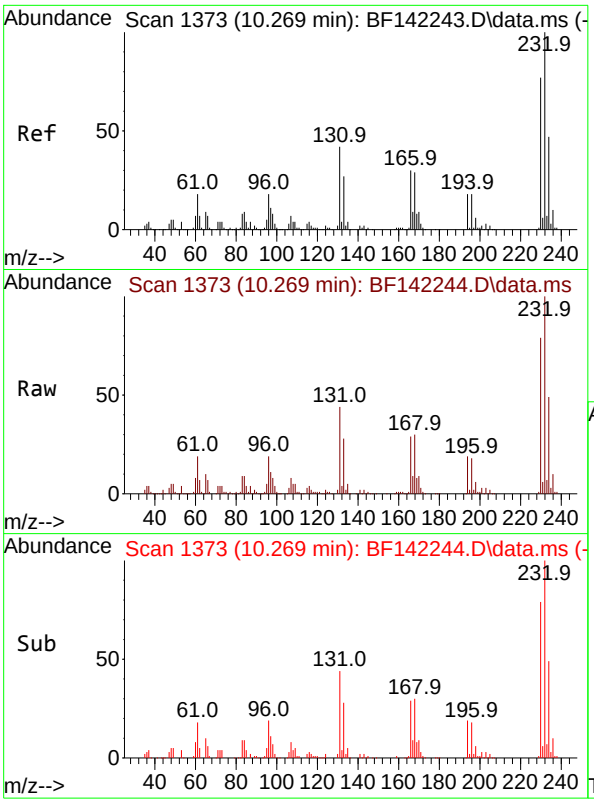


#58
Fluorene
Concen: 49.000 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:166 Resp: 1146269

Ion	Ratio	Lower	Upper
166	100		
165	93.2	73.9	110.9
167	13.6	10.8	16.2

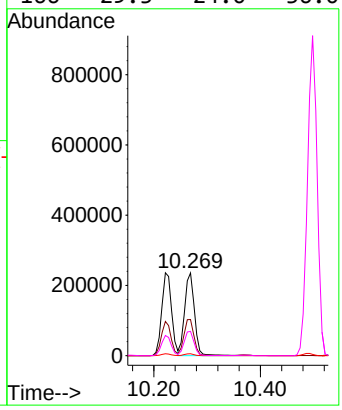




#59
2,3,4,6-Tetrachlorophenol
Concen: 54.989 ng
RT: 10.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:232 Resp: 30078

Ion	Ratio	Lower	Upper
232	100		
131	44.4	35.9	53.9
130	2.3	1.8	2.6
166	29.3	24.0	36.0



Instrument :
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ClientSampleId :
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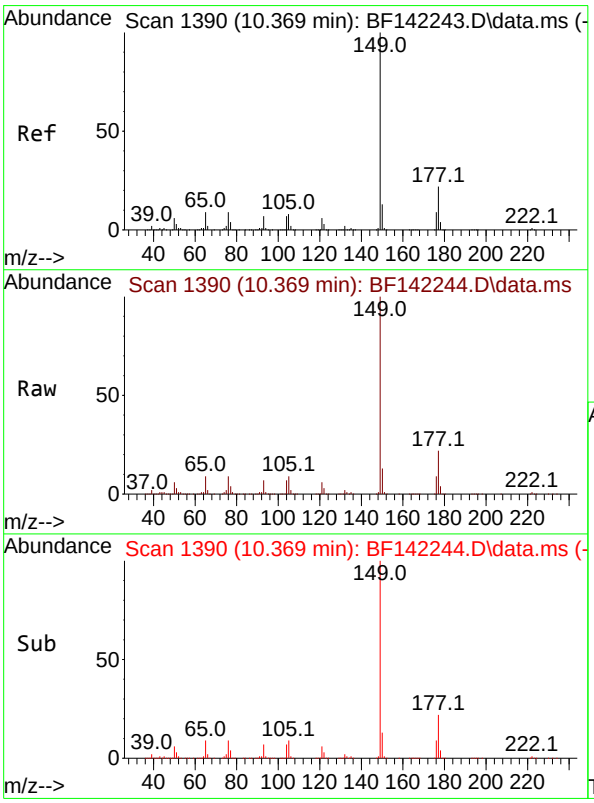
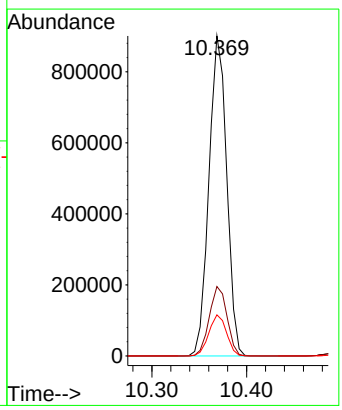
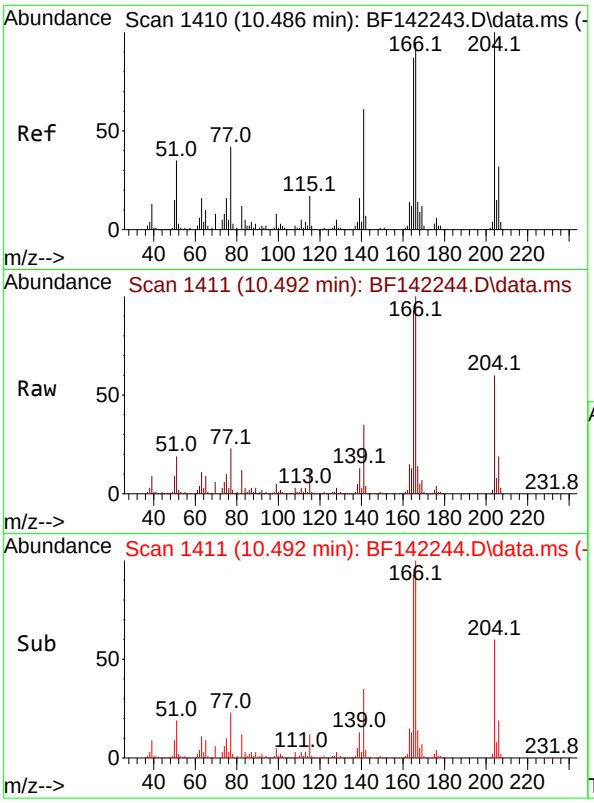


#60
Diethylphthalate
Concen: 51.459 ng
RT: 10.369 min Scan# 1390
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:149 Resp: 1170793

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.6	26.4
150	12.8	10.2	15.2





#61
4-Chlorophenyl-phenylether
Concen: 49.802 ng
RT: 10.492 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:204 Resp: 55327

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.6	38.4
141	58.9	48.9	73.3

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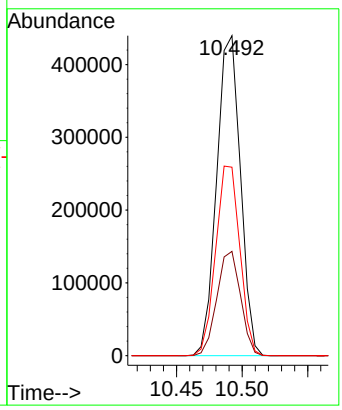
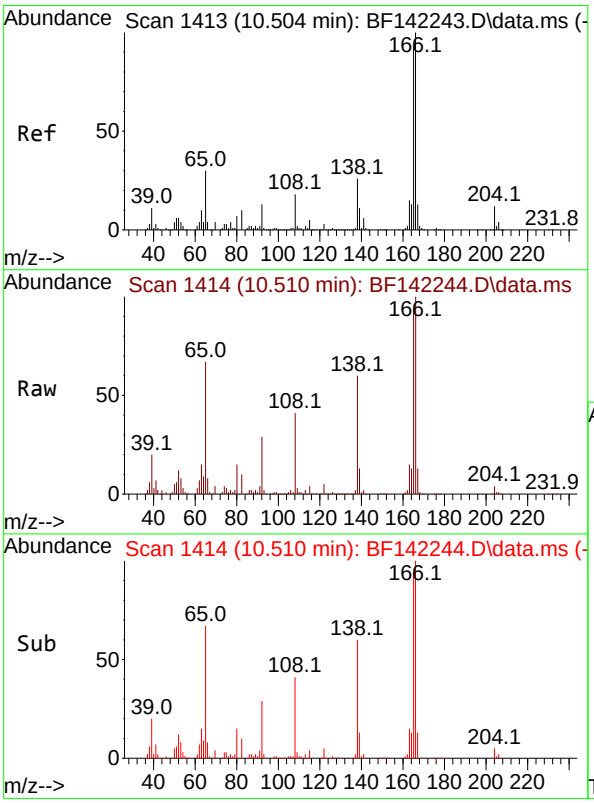
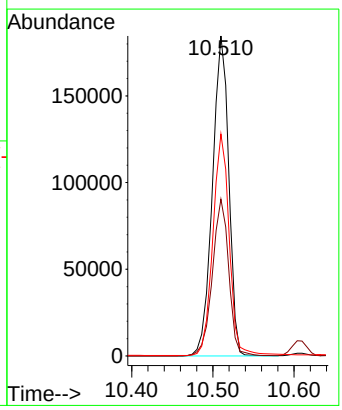


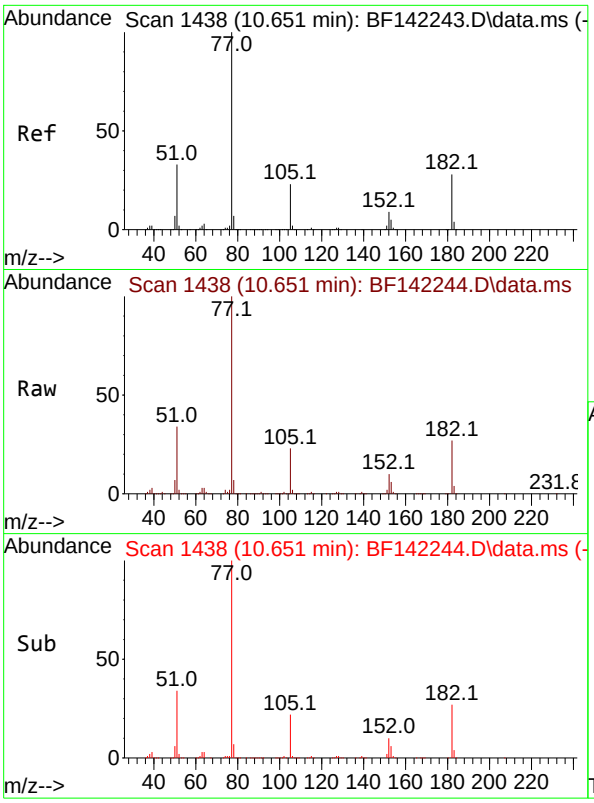


#62
4-Nitroaniline
Concen: 52.547 ng
RT: 10.510 min Scan# 1414
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:138 Resp: 258117

Ion	Ratio	Lower	Upper
138	100		
92	49.0	29.2	69.2
108	69.4	49.1	89.1

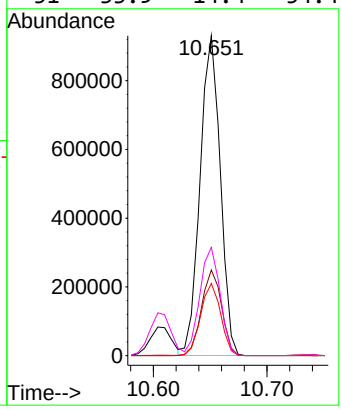




#63
Azobenzene
Concen: 51.226 ng
RT: 10.651 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 77 Resp: 1150899

Ion	Ratio	Lower	Upper
77	100		
182	26.8	7.3	47.3
105	22.6	2.5	42.5
51	33.9	14.4	54.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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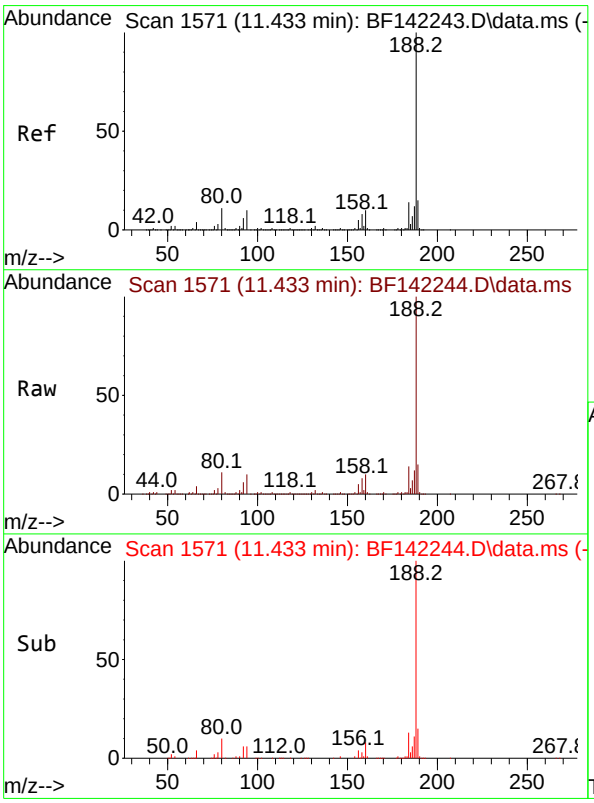
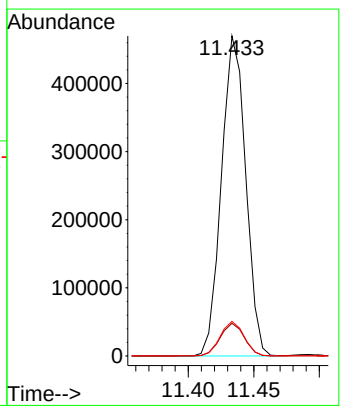
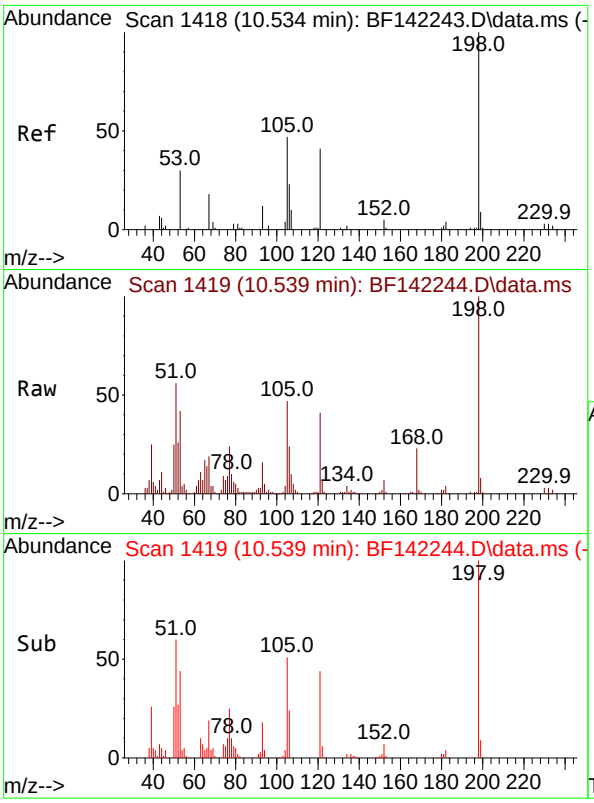


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:188 Resp: 604171

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.2	12.2
80	10.8	8.6	12.8

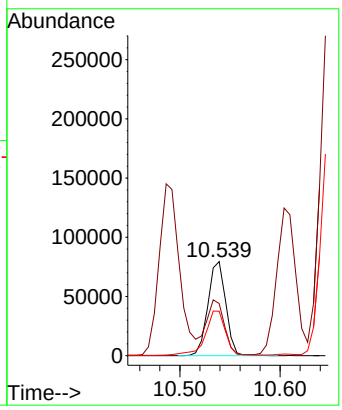




#65
4,6-Dinitro-2-methylphenol
Concen: 49.012 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.005 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:198 Resp: 9811

Ion	Ratio	Lower	Upper
198	100		
51	55.5	40.6	80.6
105	47.3	29.2	69.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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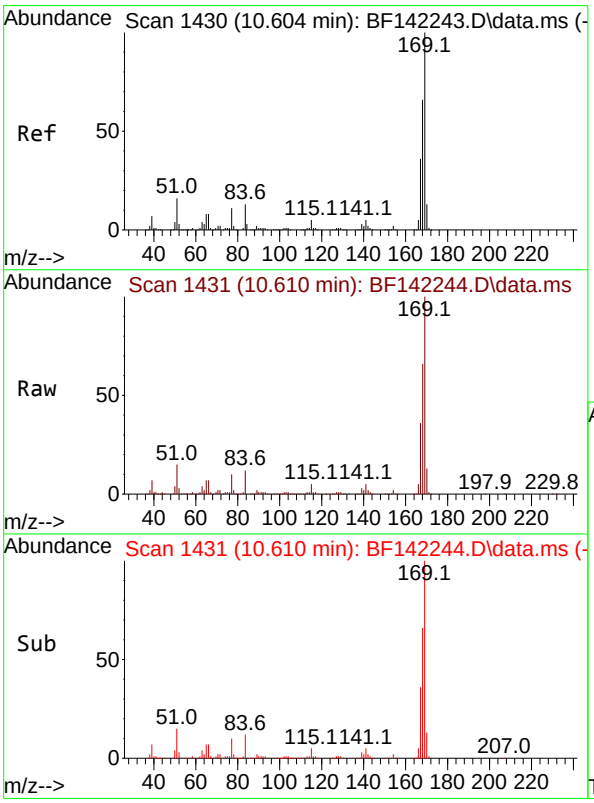
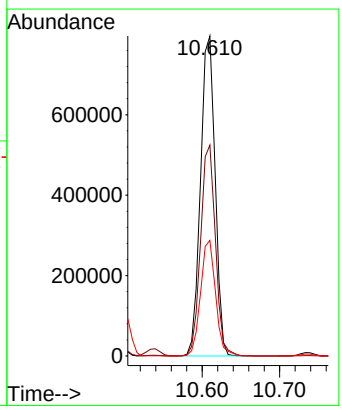
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

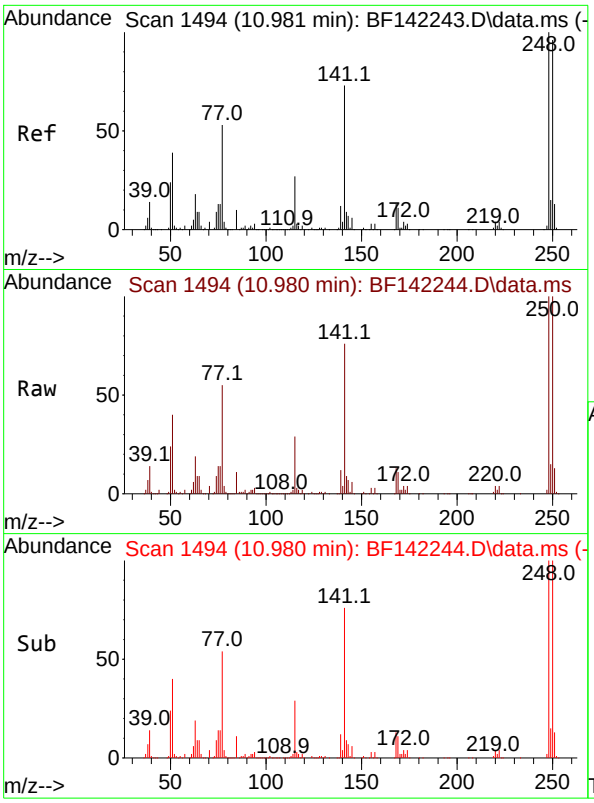


#66
n-Nitrosodiphenylamine
Concen: 50.442 ng
RT: 10.610 min Scan# 1431
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:169 Resp: 1041277

Ion	Ratio	Lower	Upper
169	100		
168	65.9	53.0	79.6
167	36.1	28.8	43.2

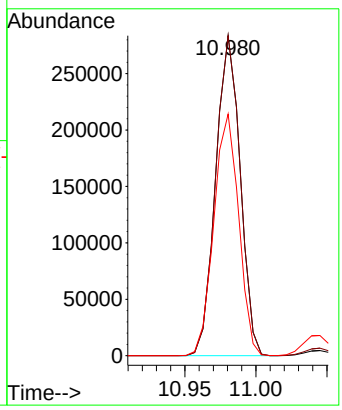




#67
4-Bromophenyl-phenylether
Concen: 50.576 ng
RT: 10.980 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:248 Resp: 34029

Ion	Ratio	Lower	Upper
248	100		
250	100.0	77.2	115.8
141	75.5	58.4	87.6



Instrument :
BNA_F
ClientSampleId :
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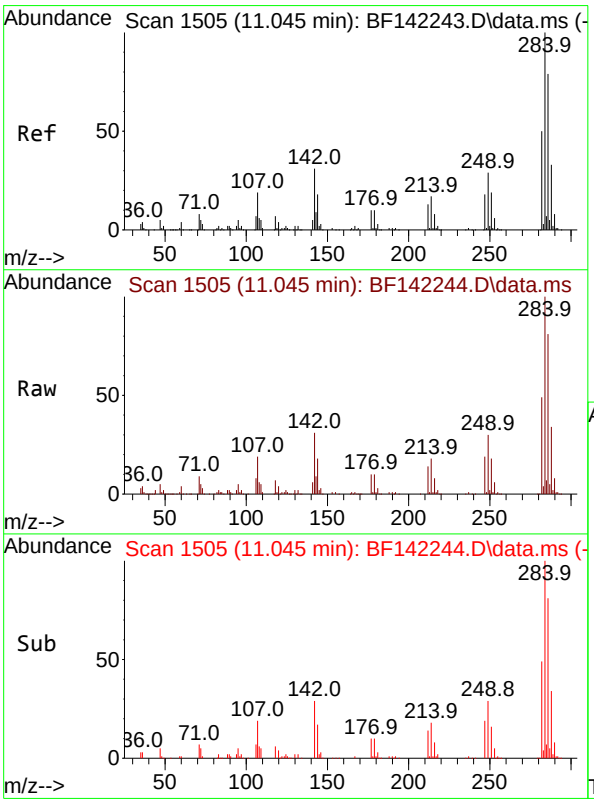
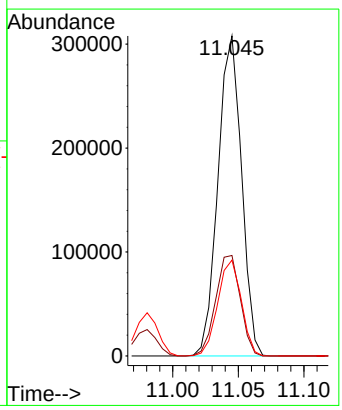
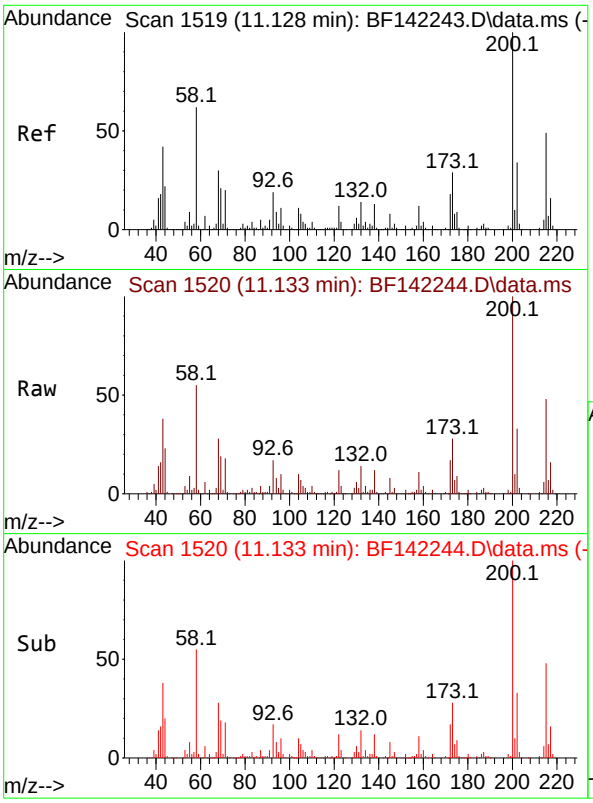


#68
Hexachlorobenzene
Concen: 51.064 ng
RT: 11.045 min Scan# 1505
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:284 Resp: 384807

Ion	Ratio	Lower	Upper
284	100		
142	31.4	24.6	37.0
249	30.0	23.2	34.8

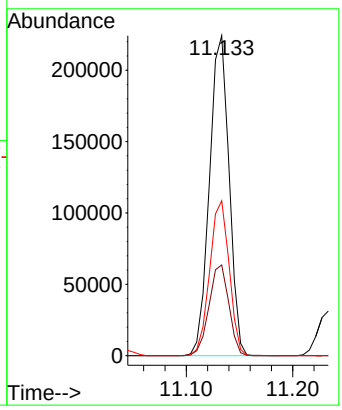




#69
Atrazine
Concen: 52.819 ng
RT: 11.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:200 Resp: 28740

Ion	Ratio	Lower	Upper
200	100		
173	28.4	8.6	48.6
215	48.4	28.5	68.5



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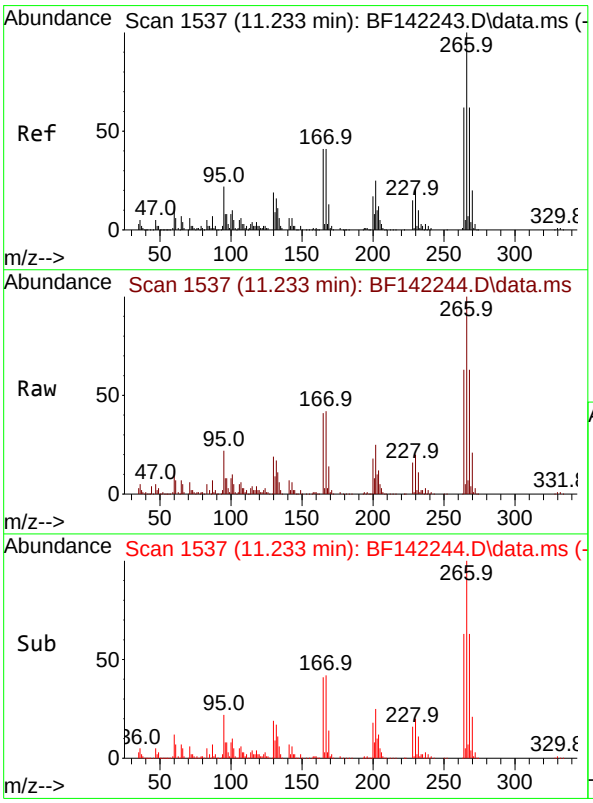
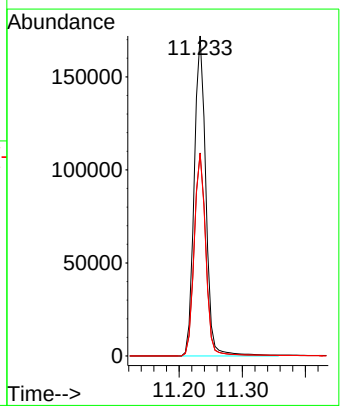
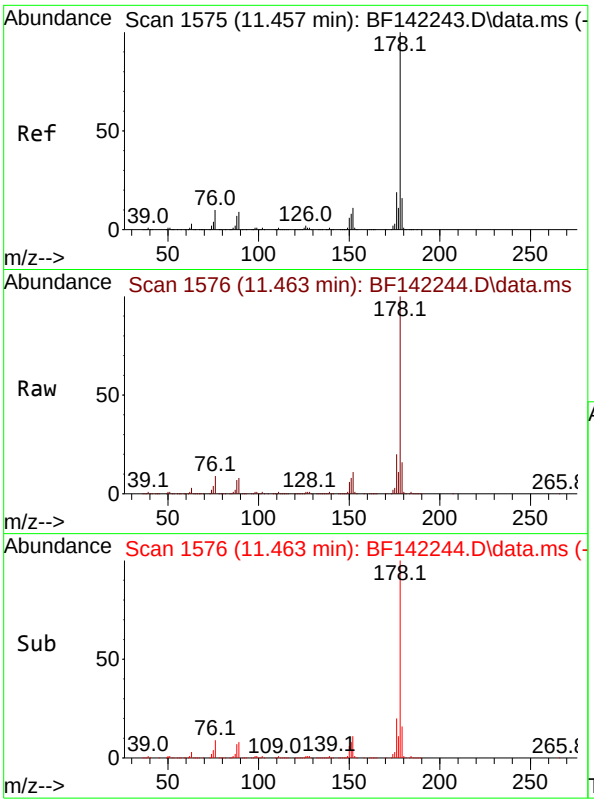


#70
Pentachlorophenol
Concen: 55.114 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:266 Resp: 219414

Ion	Ratio	Lower	Upper
266	100		
268	63.5	50.0	75.0
264	63.2	49.3	73.9

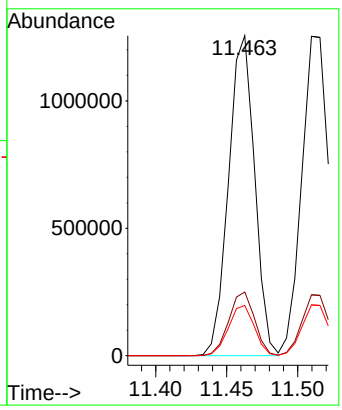




#71
Phenanthrene
Concen: 49.244 ng
RT: 11.463 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:178 Resp: 160709

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.5	23.3
179	15.7	12.6	19.0



Instrument :
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ClientSampleId :
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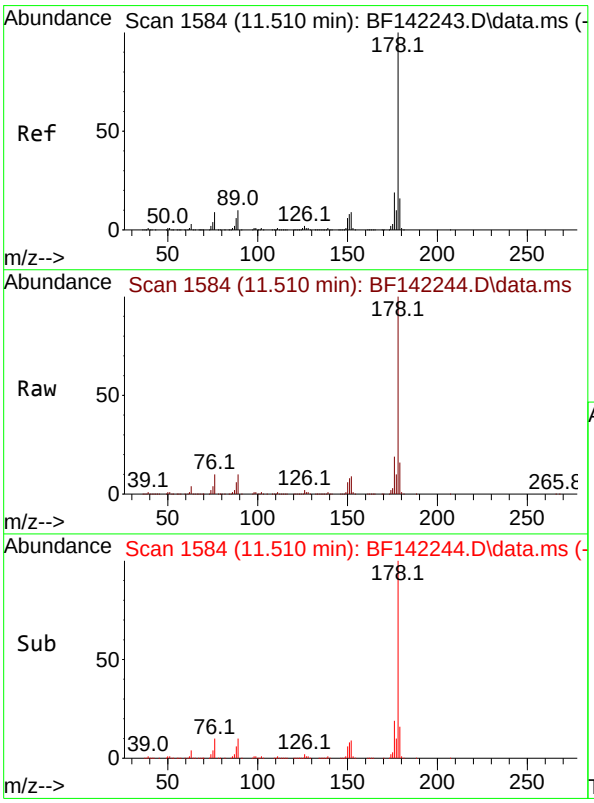
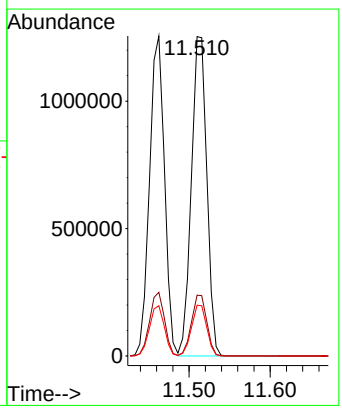
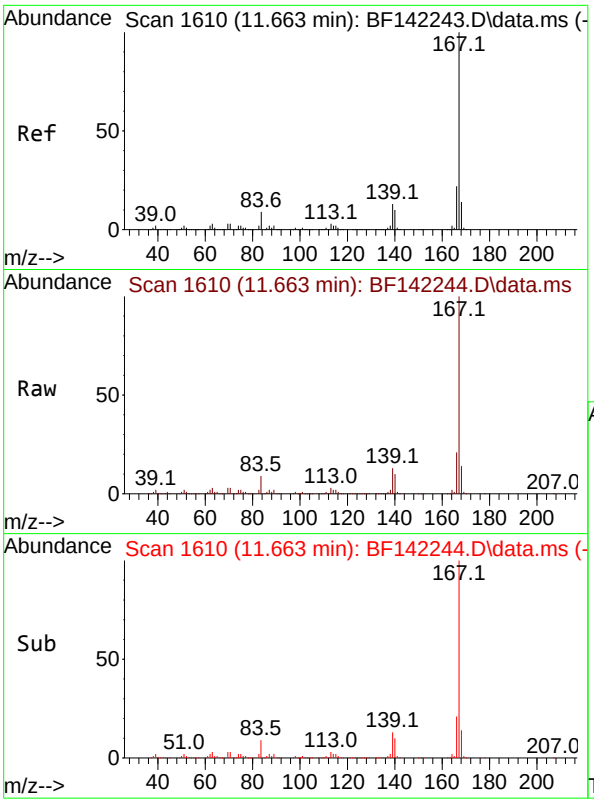


#72
Anthracene
Concen: 49.744 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:178 Resp: 1659788

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.9	12.7	19.1

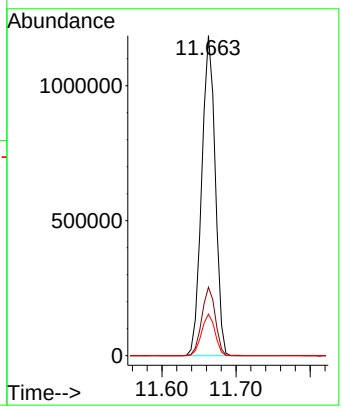




#73
Carbazole
Concen: 49.436 ng
RT: 11.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:167 Resp: 150471

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.3	25.9
139	13.0	10.3	15.5



Instrument :
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ClientSampleId :
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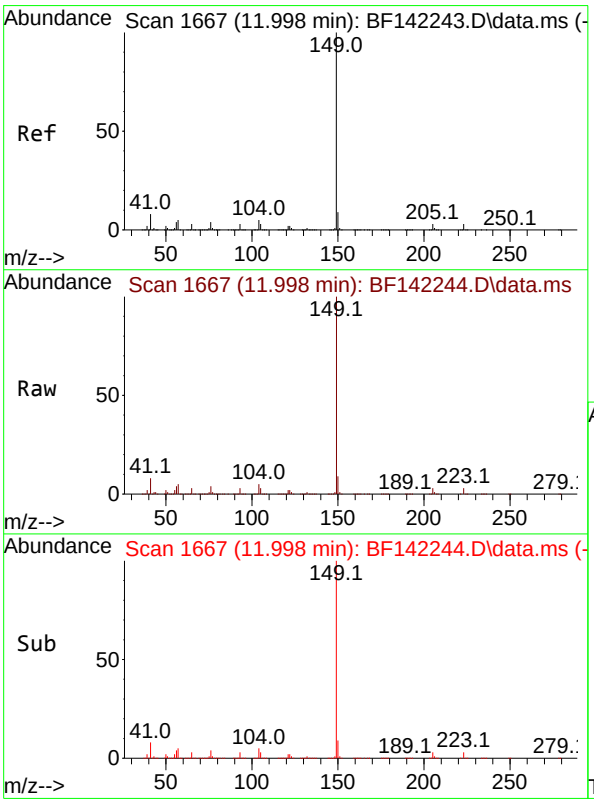
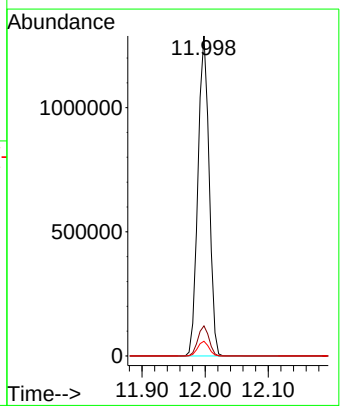
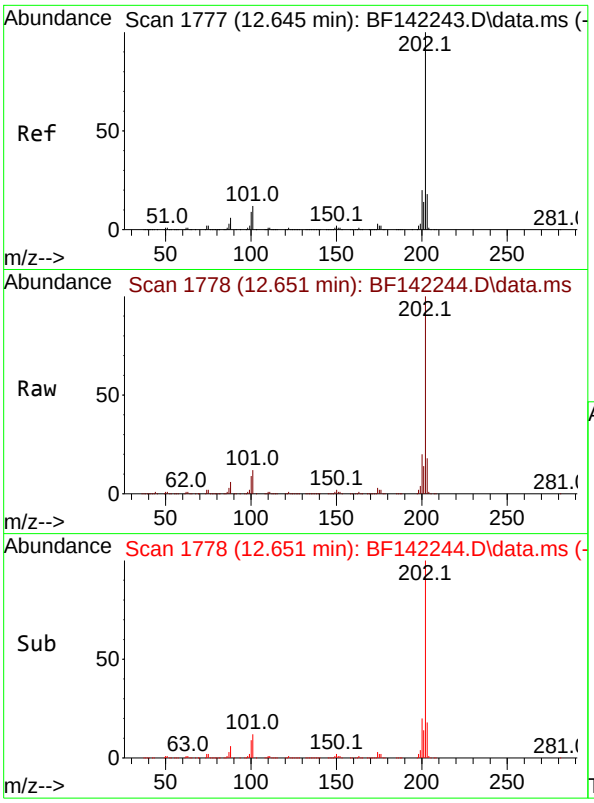


#74
Di-n-butylphthalate
Concen: 51.573 ng
RT: 11.998 min Scan# 1667
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:149 Resp: 1578769

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.6	3.6	5.4

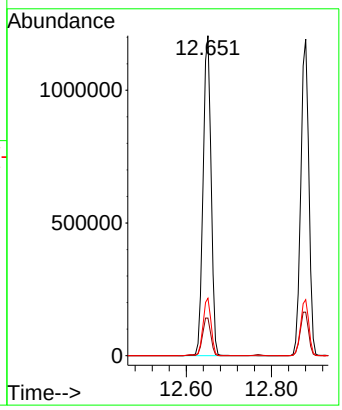




#75
Fluoranthene
Concen: 48.481 ng
RT: 12.651 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:202 Resp: 156399

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	32.4
203	17.9	0.0	37.5



Instrument :
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ClientSampleId :
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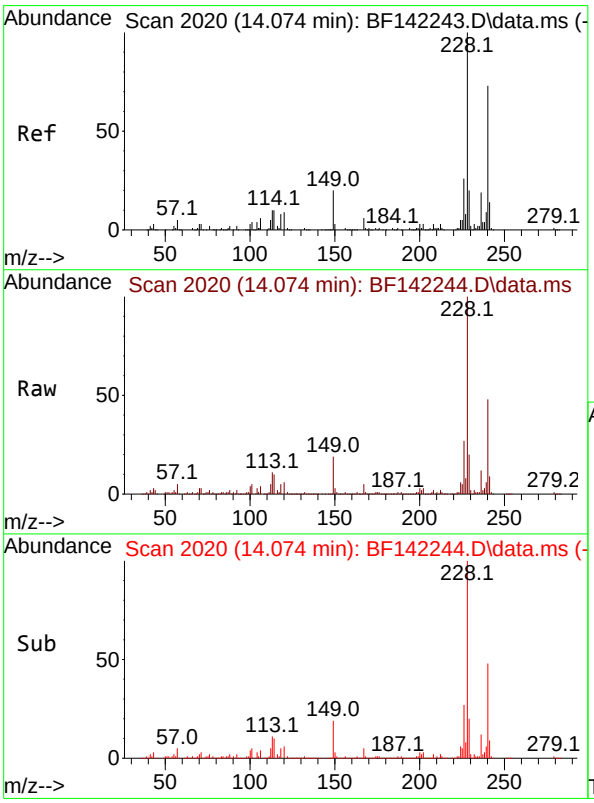
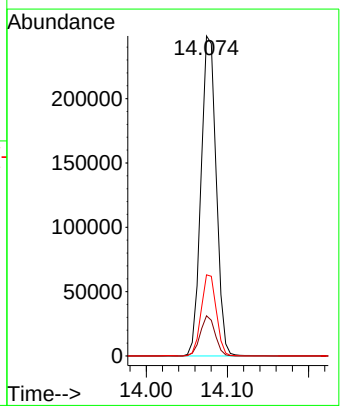
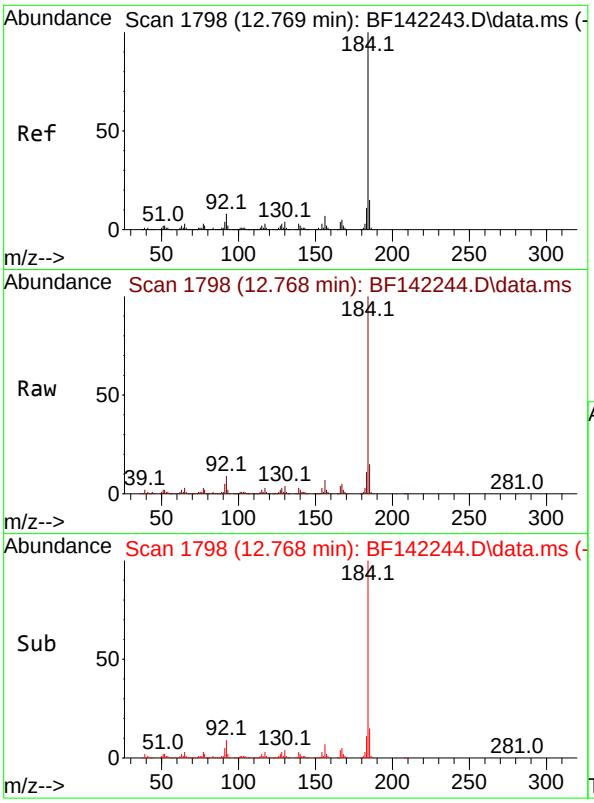


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:240 Resp: 322957

Ion	Ratio	Lower	Upper
240	100		
120	12.6	10.1	15.1
236	25.3	20.5	30.7

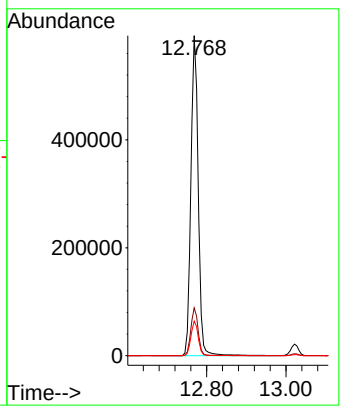




#77
Benzidine
Concen: 55.590 ng
RT: 12.768 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:184 Resp: 76285

Ion	Ratio	Lower	Upper
184	100		
185	15.0	11.8	17.6
183	10.8	8.9	13.3



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ClientSampleId :
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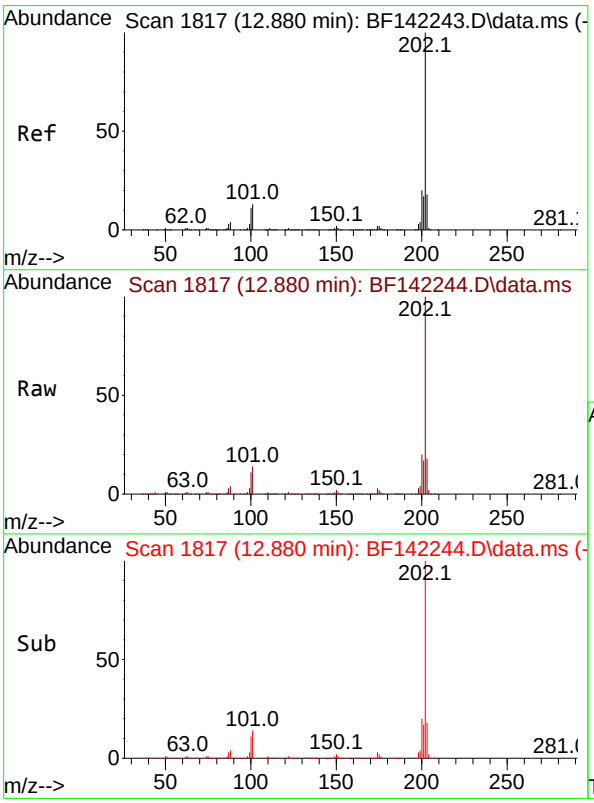
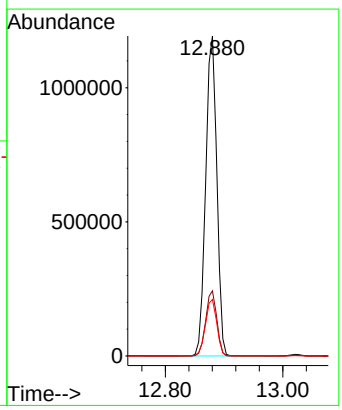
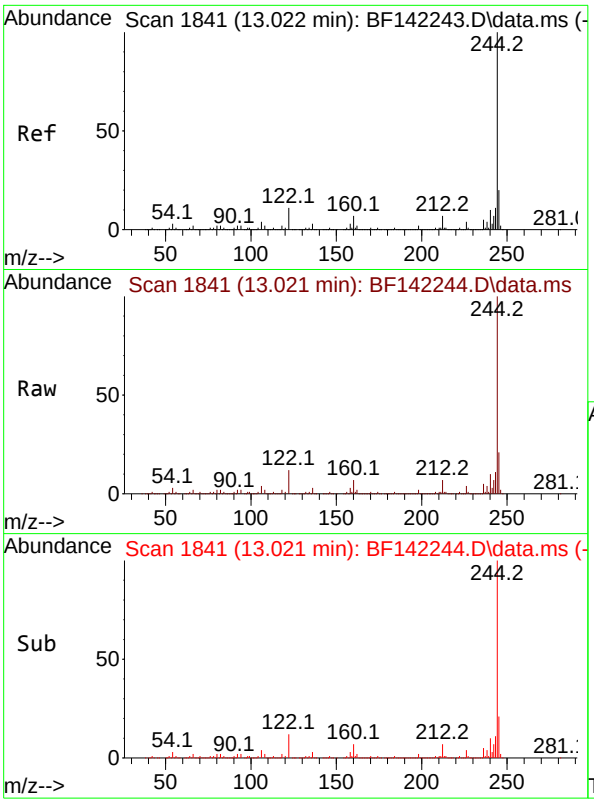


#78
Pyrene
Concen: 52.484 ng
RT: 12.880 min Scan# 1817
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:202 Resp: 1563568

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.1	24.1
203	17.7	14.1	21.1

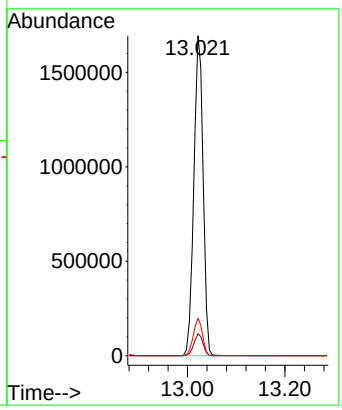




#79
Terphenyl-d14
Concen: 101.236 ng
RT: 13.021 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:244 Resp: 224798

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.3	7.9
122	11.6	9.1	13.7



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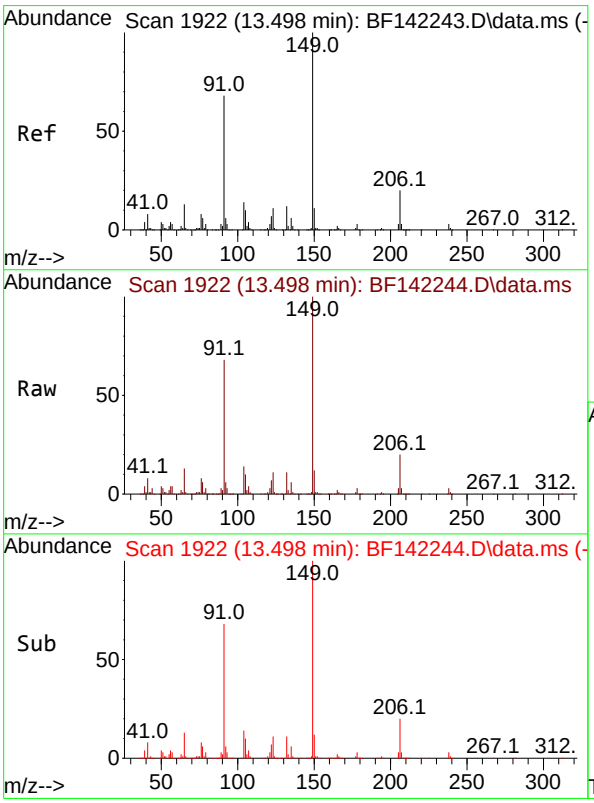
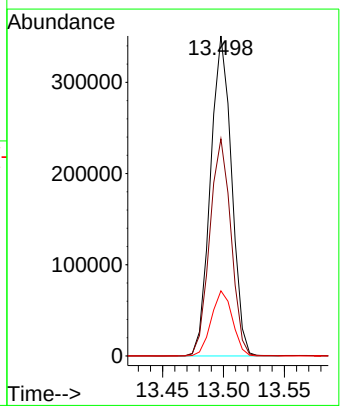
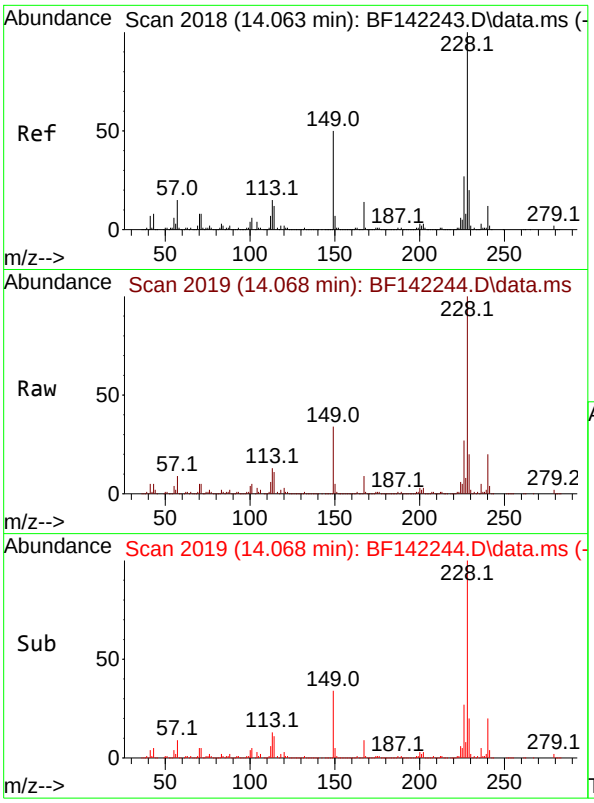


#80
Butylbenzylphthalate
Concen: 51.685 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:149 Resp: 423529

Ion	Ratio	Lower	Upper
149	100		
91	67.9	54.4	81.6
206	20.3	15.9	23.9

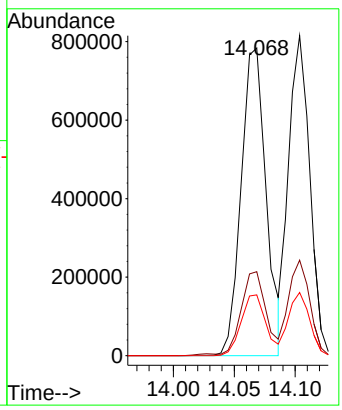




#81
Benzo(a)anthracene
Concen: 51.691 ng
RT: 14.068 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:228 Resp: 1120699

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.9	32.9
229	19.8	16.0	24.0



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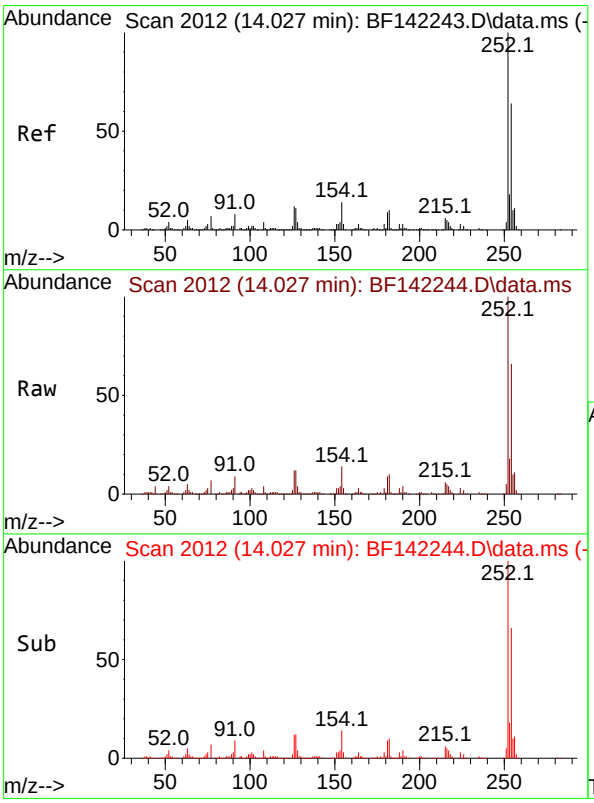
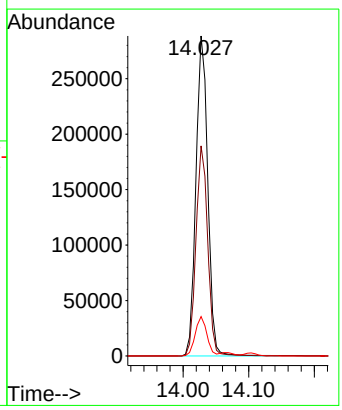
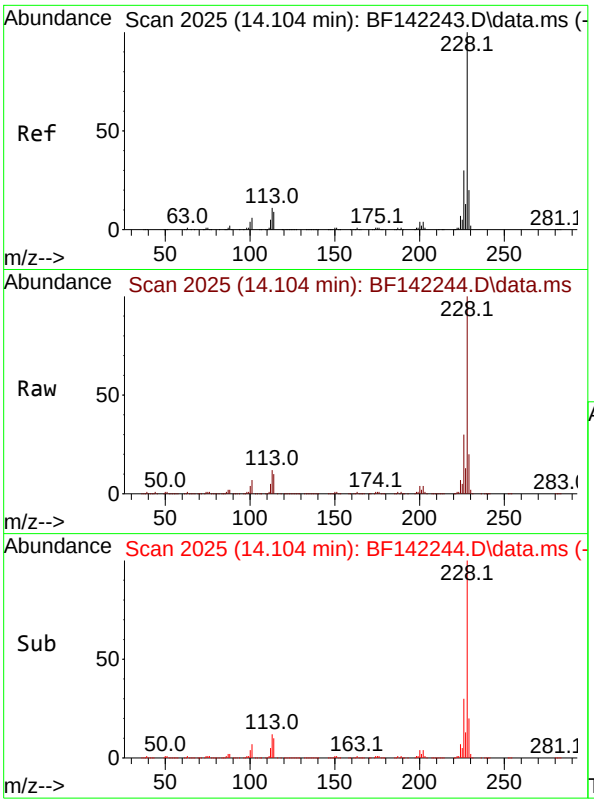


#82
3,3'-Dichlorobenzidine
Concen: 57.021 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:252 Resp: 363124

Ion	Ratio	Lower	Upper
252	100		
254	65.7	51.0	76.6
126	12.3	9.4	14.2

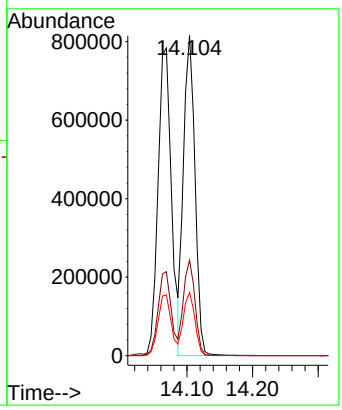




#83
Chrysene
Concen: 50.214 ng
RT: 14.104 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:228 Resp: 99099

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.0	36.0
229	19.7	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
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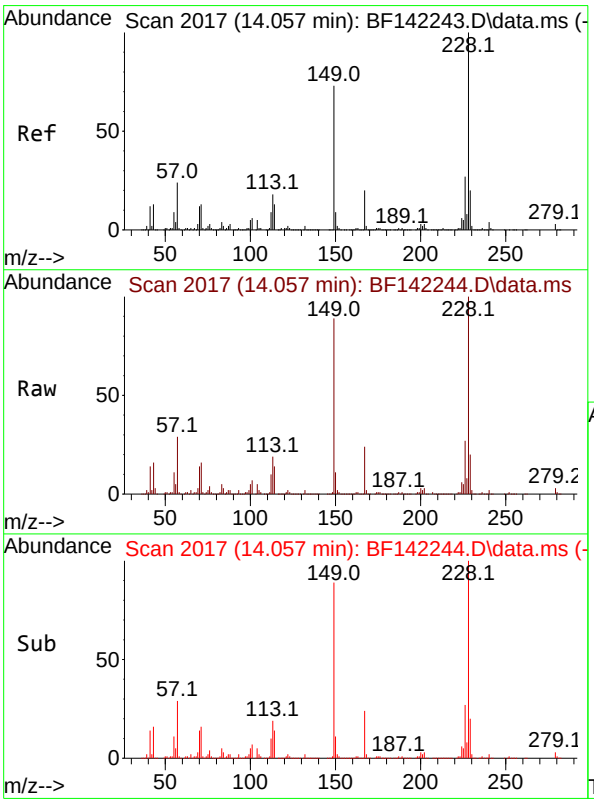
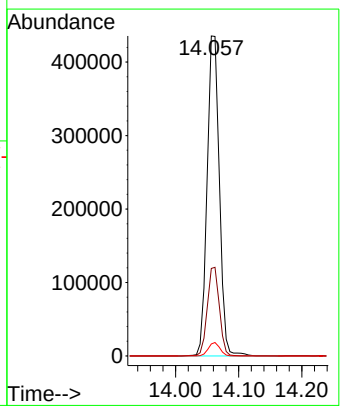
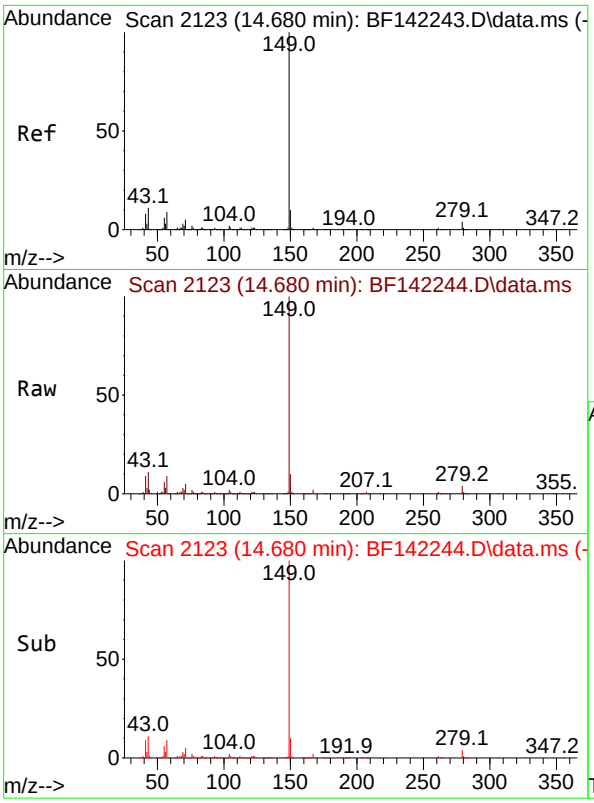


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.638 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:149 Resp: 585800

Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.7	32.5
279	3.7	3.0	4.4





#85
Di-n-octyl phthalate
Concen: 51.078 ng
RT: 14.680 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

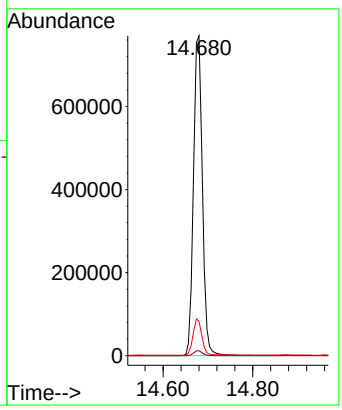
Tgt Ion:149 Resp: 106562

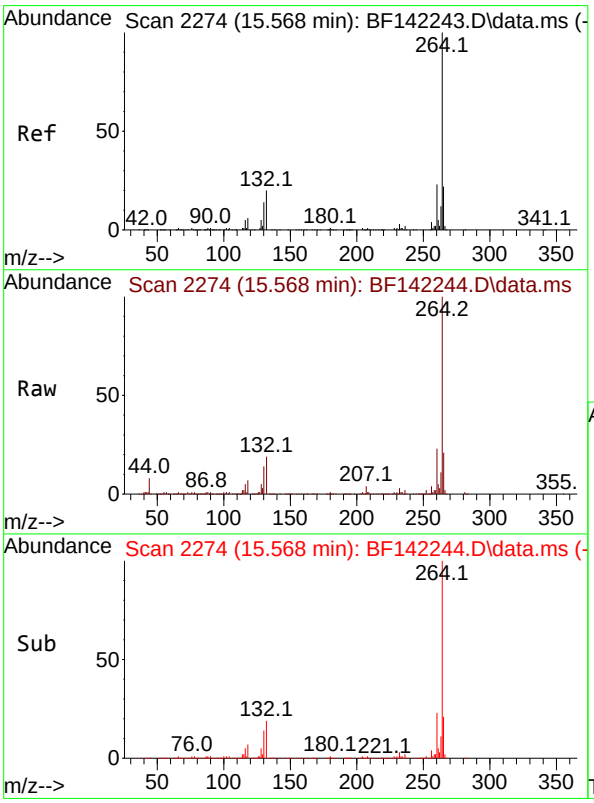
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	11.3	9.3	13.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

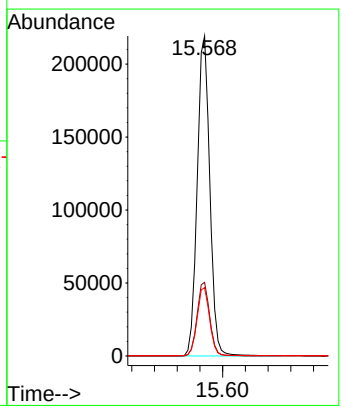


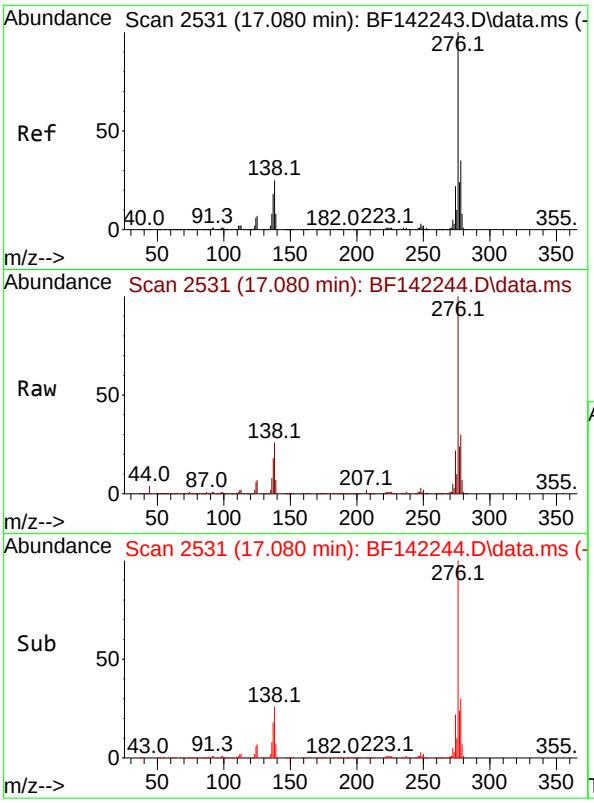


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:264 Resp: 337726

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.4	27.6
265	21.4	17.3	25.9

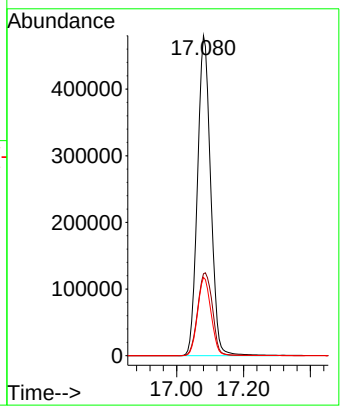




#87
Indeno(1,2,3-cd)pyrene
Concen: 53.091 ng
RT: 17.080 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:276 Resp: 131333

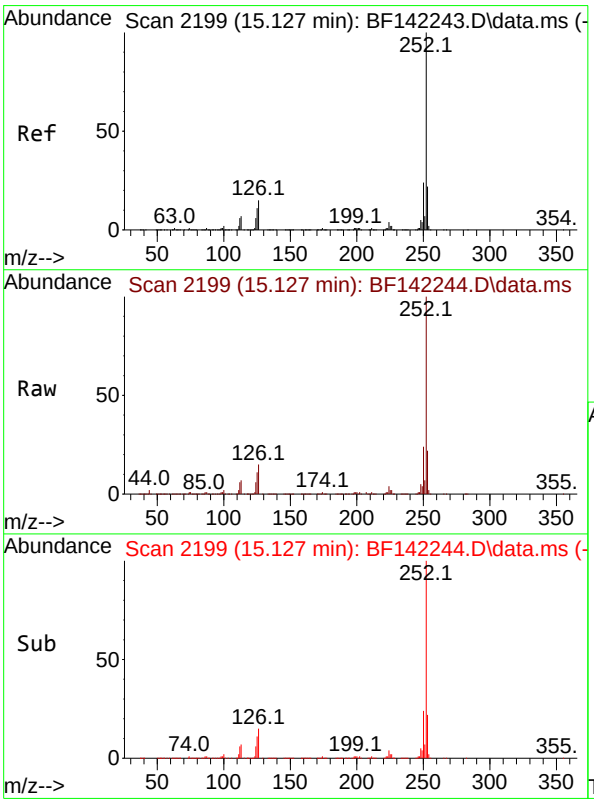
Ion	Ratio	Lower	Upper
276	100		
138	29.0	22.6	33.8
277	25.1	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

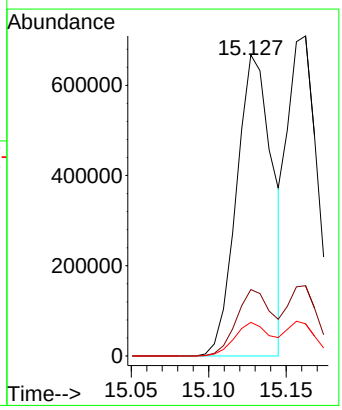
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

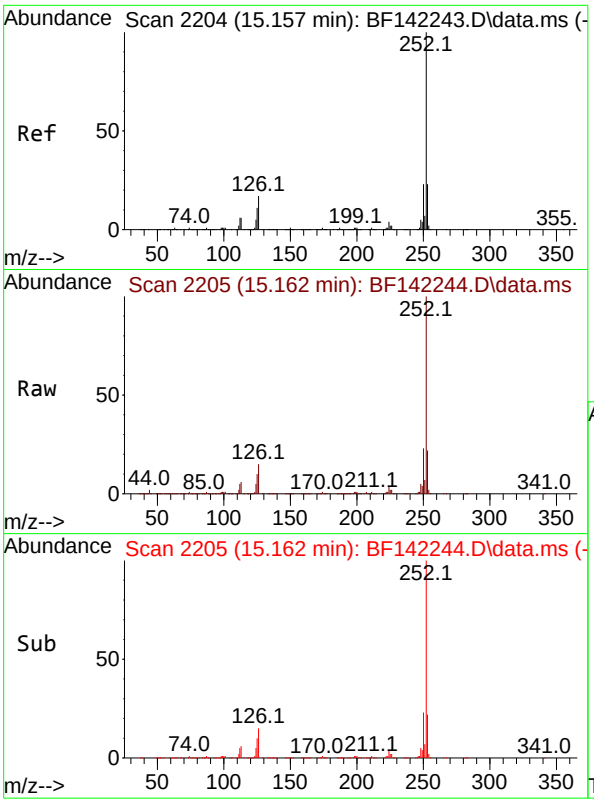


#88
Benzo(b)fluoranthene
Concen: 51.153 ng
RT: 15.127 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:252 Resp: 1073096

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.2	9.0	13.4

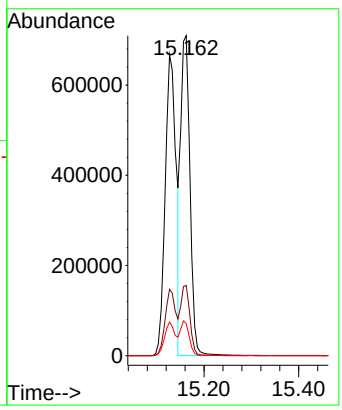




#89
Benzo(k)fluoranthene
Concen: 50.408 ng
RT: 15.162 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:252 Resp: 96724

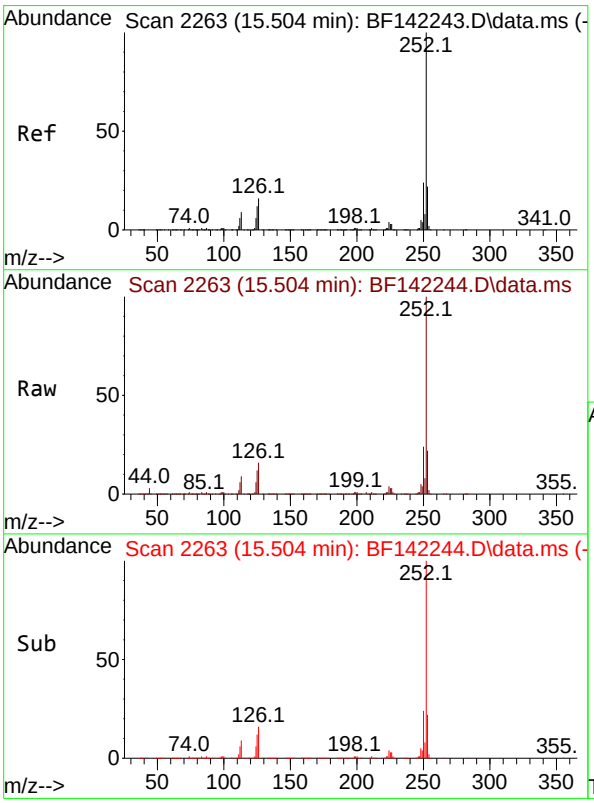
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	10.0	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

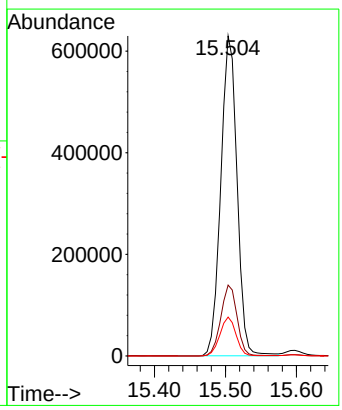
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

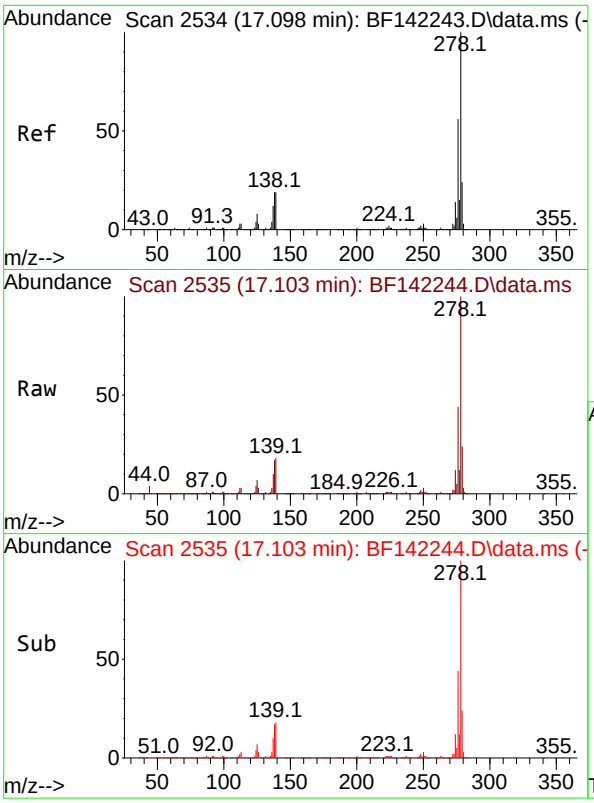


#90
Benzo(a)pyrene
Concen: 51.890 ng
RT: 15.504 min Scan# 2263
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:252 Resp: 996599

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	12.2	9.5	14.3

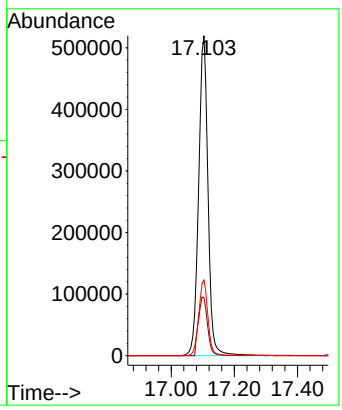




#91
Dibenzo(a,h)anthracene
Concen: 53.457 ng
RT: 17.103 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:278 Resp: 107324

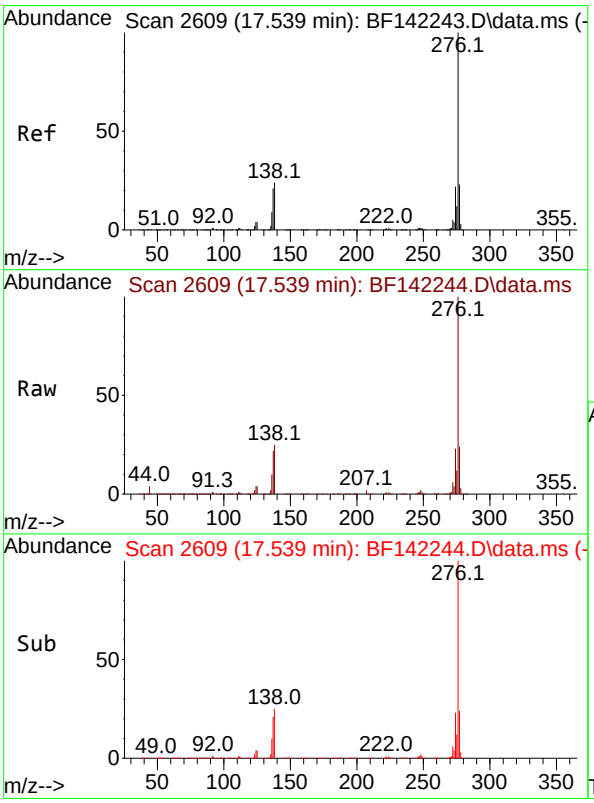
Ion	Ratio	Lower	Upper
278	100		
139	18.2	15.2	22.8
279	23.7	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

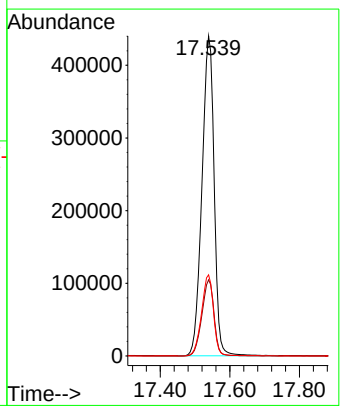
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025



#92
Benzo(g,h,i)perylene
Concen: 52.984 ng
RT: 17.539 min Scan# 2609
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:276 Resp: 1069402

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.7	28.1
138	25.3	19.4	29.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142245.D
Acq On : 30 Apr 2025 14:15
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 30 15:46:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	187963	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	730767	20.000	ng	0.00
39) Acenaphthene-d10	9.951	164	379270	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	624729	20.000	ng	0.00
76) Chrysene-d12	14.080	240	328990	20.000	ng	0.00
86) Perylene-d12	15.568	264	361305	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1364962	115.976	ng	0.00
7) Phenol-d6	6.528	99	1663210	117.026	ng	0.00
23) Nitrobenzene-d5	7.475	82	1488103	133.783	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	447862	129.531	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	2777485	103.255	ng	0.00
79) Terphenyl-d14	13.022	244	2546694	112.585	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.699	88	312897	59.528	ng	99
3) Pyridine	3.469	79	823442	60.277	ng	98
4) n-Nitrosodimethylamine	3.422	42	431685	61.063	ng	98
6) Aniline	6.575	93	1184649	58.890	ng	100
8) 2-Chlorophenol	6.693	128	740327	60.874	ng	99
9) Benzaldehyde	6.463	77	559766	56.352	ng	98
10) Phenol	6.545	94	903976m	59.085	ng	
11) bis(2-Chloroethyl)ether	6.646	93	693997	58.532	ng	99
12) 1,3-Dichlorobenzene	6.851	146	787463	57.236	ng	99
13) 1,4-Dichlorobenzene	6.928	146	791509	57.102	ng	99
14) 1,2-Dichlorobenzene	7.081	146	764397	57.765	ng	99
15) Benzyl Alcohol	7.045	79	609871	60.504	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.187	45	1249716	58.370	ng	100
17) 2-Methylphenol	7.151	107	592171	59.438	ng	99
18) Hexachloroethane	7.428	117	275661	60.761	ng	99
19) n-Nitroso-di-n-propyla...	7.328	70	506389	57.660	ng	100
20) 3+4-Methylphenols	7.310	107	730966	58.670	ng	94
22) Acetophenone	7.322	105	943225	55.792	ng	97
24) Nitrobenzene	7.498	77	708847	64.948	ng	99
25) Isophorone	7.734	82	1371824	58.764	ng	100
26) 2-Nitrophenol	7.810	139	299107	61.132	ng	97
27) 2,4-Dimethylphenol	7.840	122	691268	58.731	ng	100
28) bis(2-Chloroethoxy)met...	7.940	93	847188	57.543	ng	100
29) 2,4-Dichlorophenol	8.045	162	596890	60.658	ng	99
30) 1,2,4-Trichlorobenzene	8.134	180	628720	57.256	ng	100
31) Naphthalene	8.216	128	2026390	55.603	ng	99
32) Benzoic acid	7.951	122	349577	59.198	ng	99
33) 4-Chloroaniline	8.263	127	868158	57.207	ng	99
34) Hexachlorobutadiene	8.334	225	373284	58.266	ng	100
35) Caprolactam	8.639	113	186124	62.928	ng	94
36) 4-Chloro-3-methylphenol	8.734	107	605133	59.887	ng	99
37) 2-Methylnaphthalene	8.904	142	1257822	56.136	ng	99
38) 1-Methylnaphthalene	9.004	142	1294318	55.760	ng	100
40) 1,2,4,5-Tetrachloroben...	9.069	216	607614	56.925	ng	100
41) Hexachlorocyclopentadiene	9.063	237	407387	67.248	ng	100
43) 2,4,6-Trichlorophenol	9.181	196	433323	65.514	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142245.D
Acq On : 30 Apr 2025 14:15
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

Quant Time: Apr 30 15:46:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	422145	60.705	ng	98
46) 1,1'-Biphenyl	9.369	154	1632628	55.372	ng	100
47) 2-Chloronaphthalene	9.398	162	1234670	56.283	ng	99
48) 2-Nitroaniline	9.486	65	357897	60.490	ng	99
49) Acenaphthylene	9.810	152	2079452	56.175	ng	99
50) Dimethylphthalate	9.675	163	1395869	57.529	ng	100
51) 2,6-Dinitrotoluene	9.728	165	289353	60.986	ng	98
52) Acenaphthene	9.986	154	1219341	56.414	ng	99
53) 3-Nitroaniline	9.898	138	352271	61.278	ng	97
54) 2,4-Dinitrophenol	9.998	184	86520	61.133	ng	83
55) Dibenzofuran	10.157	168	1798627	55.513	ng	99
56) 4-Nitrophenol	10.045	139	261987	68.694	ng	98
57) 2,4-Dinitrotoluene	10.134	165	352001	60.964	ng	98
58) Fluorene	10.498	166	1348902	54.754	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.269	232	367314	63.765	ng	99
60) Diethylphthalate	10.369	149	1382905	57.717	ng	100
61) 4-Chlorophenyl-phenyle...	10.492	204	648920	55.466	ng	97
62) 4-Nitroaniline	10.516	138	319292	61.243	ng	99
63) Azobenzene	10.651	77	1362906	57.603	ng	99
65) 4,6-Dinitro-2-methylph...	10.539	198	132189	60.646	ng	96
66) n-Nitrosodiphenylamine	10.610	169	1224189	57.351	ng	99
67) 4-Bromophenyl-phenylether	10.980	248	413069	59.371	ng	100
68) Hexachlorobenzene	11.045	284	457317	58.689	ng	99
69) Atrazine	11.133	200	340471	60.513	ng	99
70) Pentachlorophenol	11.233	266	270497	65.710	ng	98
71) Phenanthrene	11.463	178	1864413	55.249	ng	100
72) Anthracene	11.516	178	1920817	55.673	ng	100
73) Carbazole	11.663	167	1751538	55.651	ng	100
74) Di-n-butylphthalate	11.998	149	1852105	58.511	ng	100
75) Fluoranthene	12.651	202	1794425	53.793	ng	98
77) Benzidine	12.769	184	883568	63.206	ng	99
78) Pyrene	12.880	202	1809576	59.627	ng	99
80) Butylbenzylphthalate	13.498	149	516723	61.167	ng	99
81) Benzo(a)anthracene	14.069	228	1299270	58.829	ng	100
82) 3,3'-Dichlorobenzidine	14.027	252	444901	68.582	ng	99
83) Chrysene	14.104	228	1181729	58.781	ng	99
84) Bis(2-ethylhexyl)phtha...	14.057	149	712716	61.002	ng	99
85) Di-n-octyl phthalate	14.680	149	1329733	61.204	ng	99
87) Indeno(1,2,3-cd)pyrene	17.086	276	1614650	61.012	ng	100
88) Benzo(b)fluoranthene	15.127	252	1275552	56.836	ng	99
89) Benzo(k)fluoranthene	15.163	252	1202952	58.601	ng	99
90) Benzo(a)pyrene	15.510	252	1232454	59.982	ng	100
91) Dibenzo(a,h)anthracene	17.110	278	1292219	60.163	ng	99
92) Benzo(g,h,i)perylene	17.545	276	1315066	60.904	ng	99

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

ICAL Form

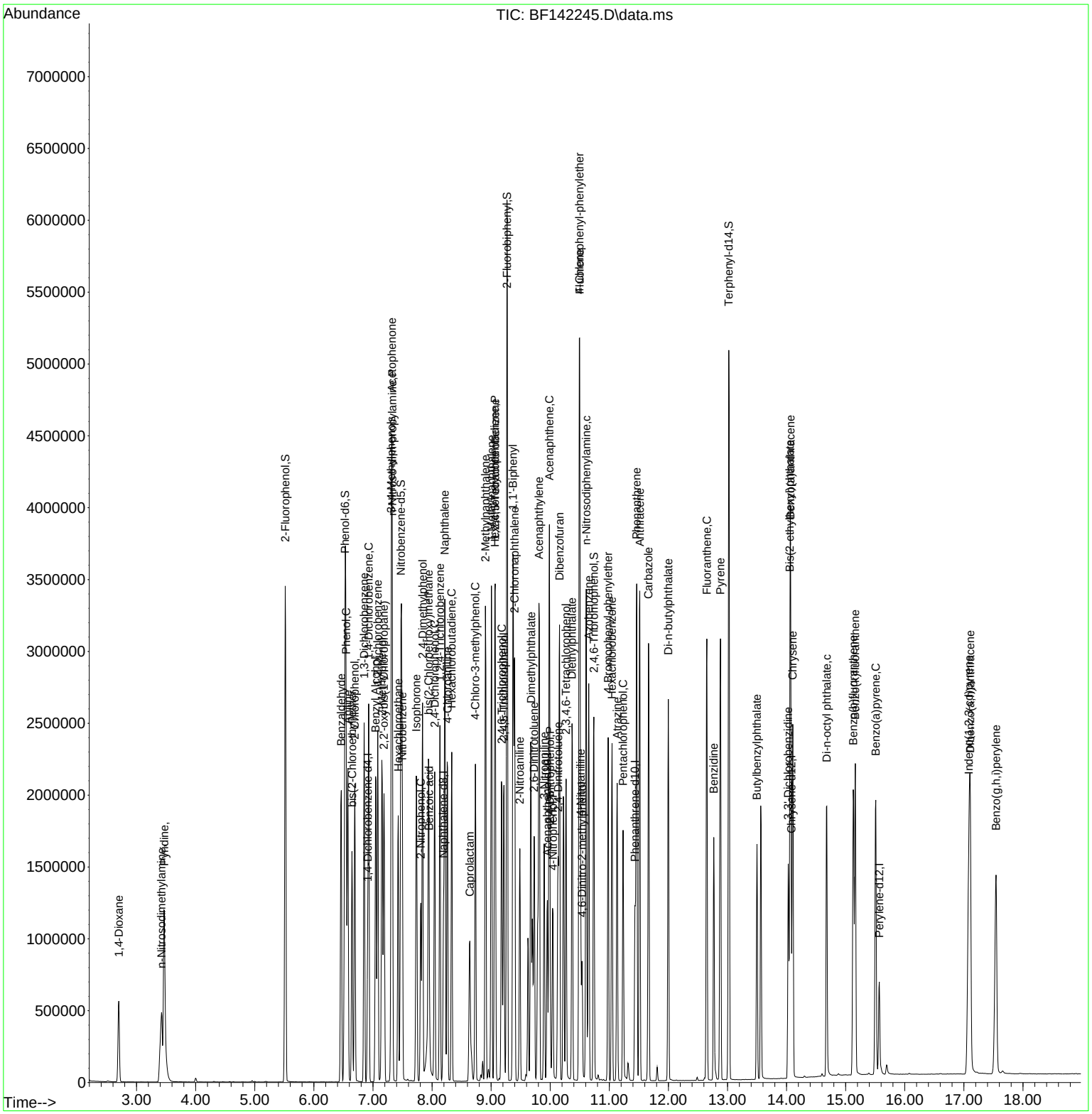
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142245.D
Acq On : 30 Apr 2025 14:15
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

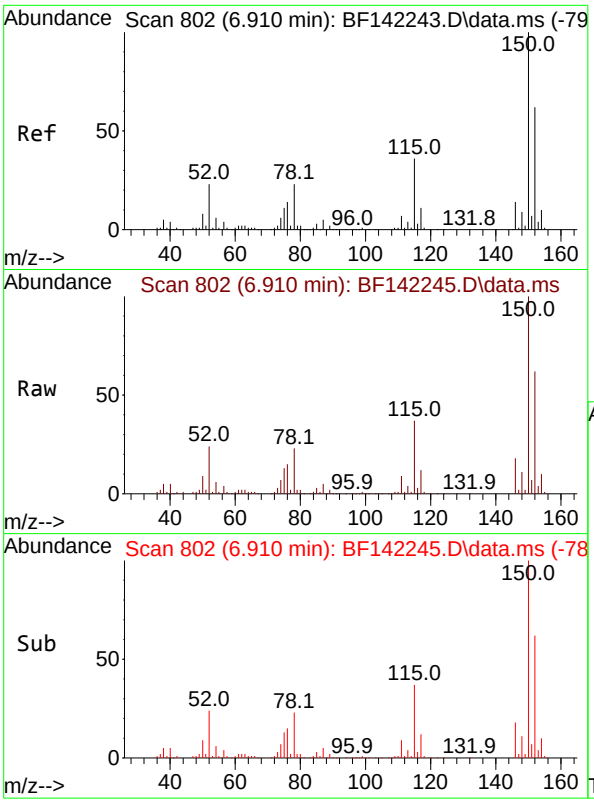
Quant Time: Apr 30 15:46:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

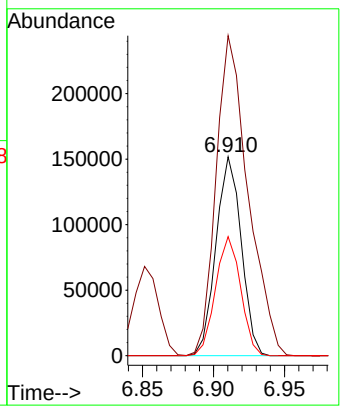




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:152 Resp: 18796

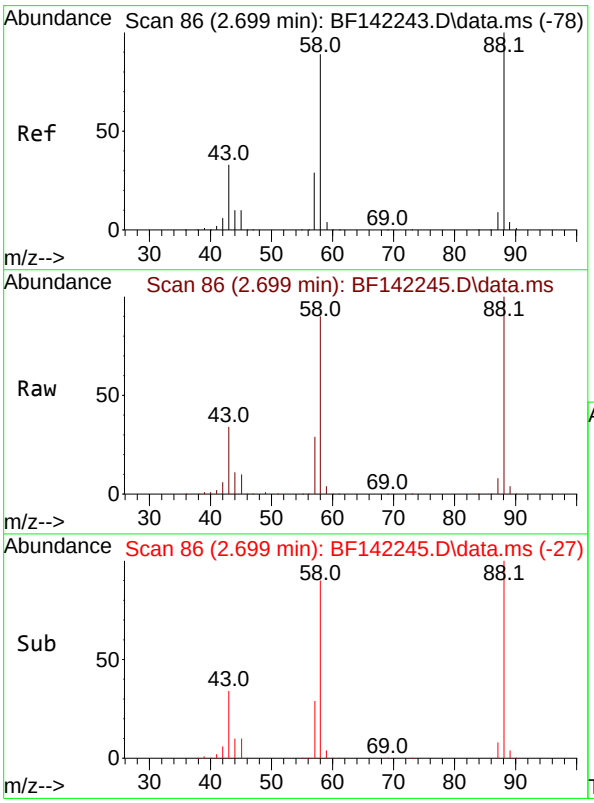
Ion	Ratio	Lower	Upper
152	100		
150	160.9	130.2	195.2
115	59.8	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

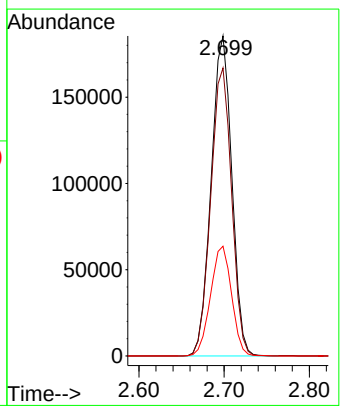
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

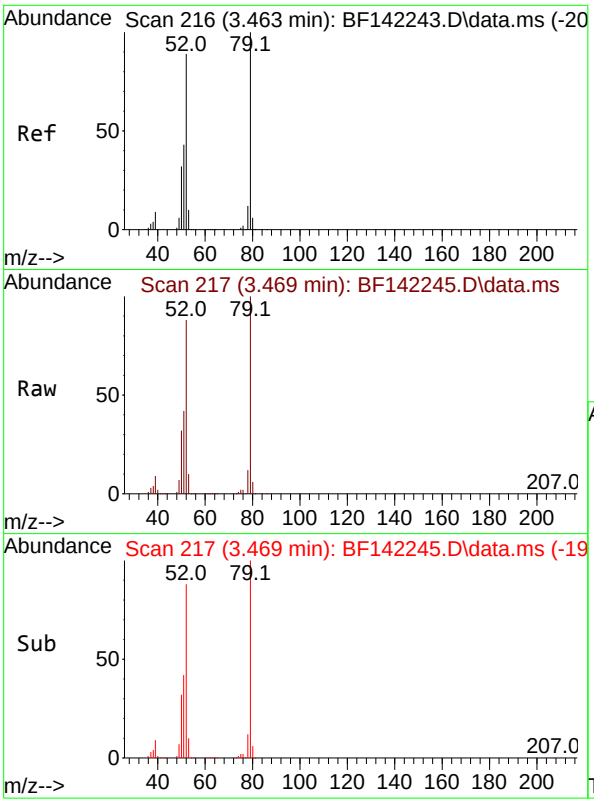


#2
1,4-Dioxane
Concen: 59.528 ng
RT: 2.699 min Scan# 86
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 88 Resp: 312897

Ion	Ratio	Lower	Upper
88	100		
58	90.8	72.2	108.2
43	35.0	27.0	40.6

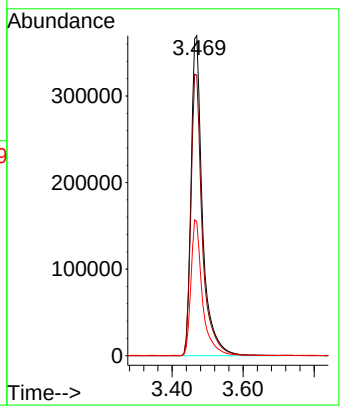




#3
Pyridine
Concen: 60.277 ng
RT: 3.469 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 79 Resp: 82344

Ion	Ratio	Lower	Upper
79	100		
52	87.7	71.5	107.3
51	41.9	34.5	51.7



Instrument :
BNA_F
ClientSampleId :
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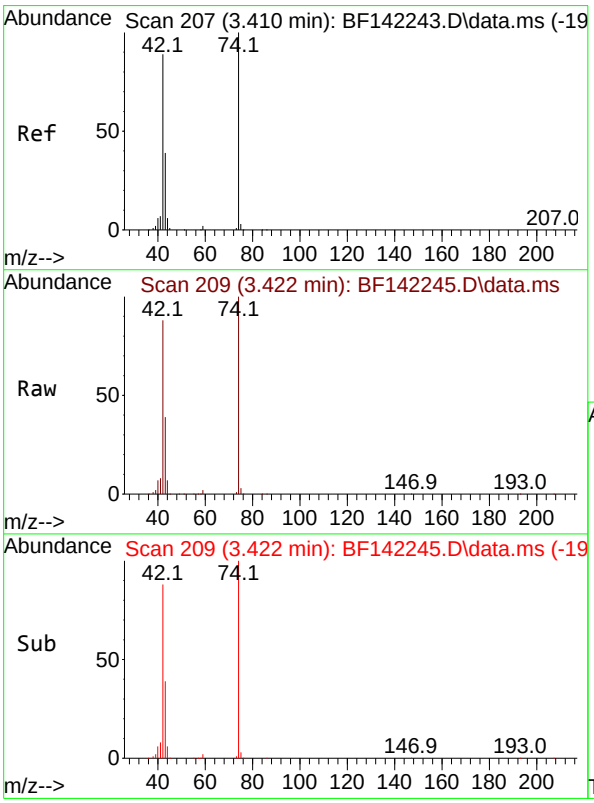
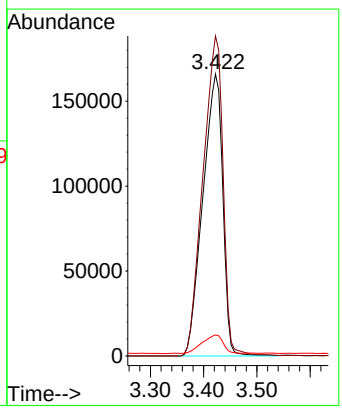
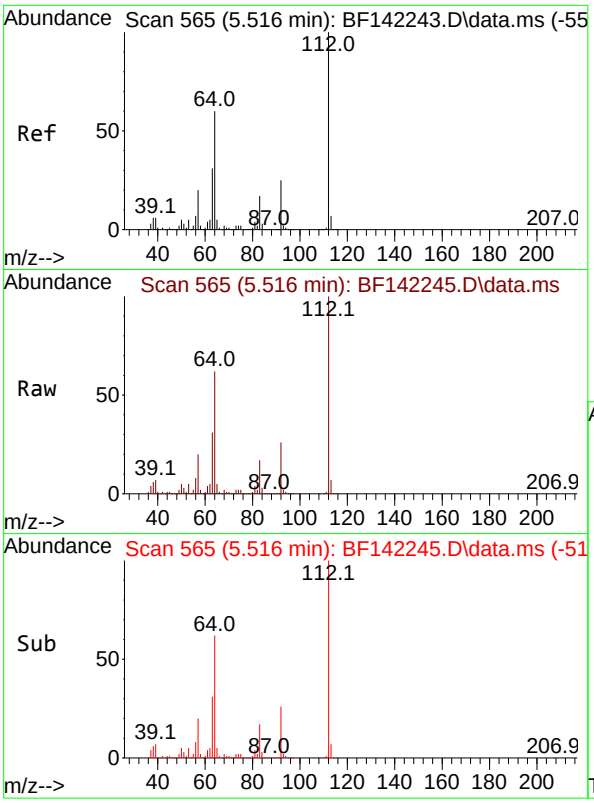


#4
n-Nitrosodimethylamine
Concen: 61.063 ng
RT: 3.422 min Scan# 209
Delta R.T. 0.012 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 42 Resp: 431685

Ion	Ratio	Lower	Upper
42	100		
74	113.5	89.5	134.3
44	7.5	6.6	9.8

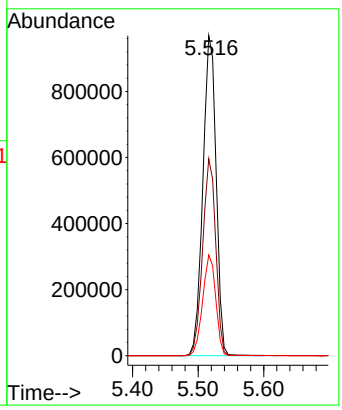




#5
2-Fluorophenol
Concen: 115.976 ng
RT: 5.516 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:112 Resp: 136496

Ion	Ratio	Lower	Upper
112	100		
64	61.6	48.4	72.6
63	31.5	24.8	37.2



Instrument :
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ClientSampleId :
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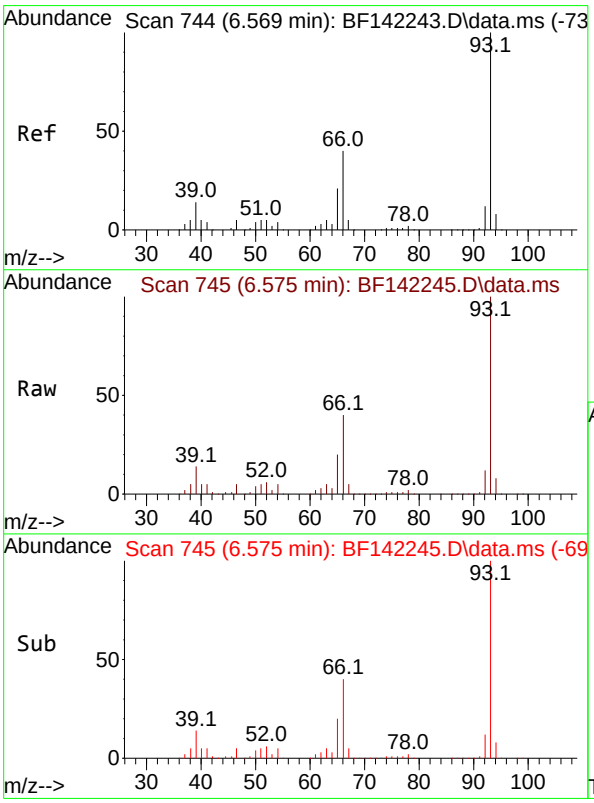
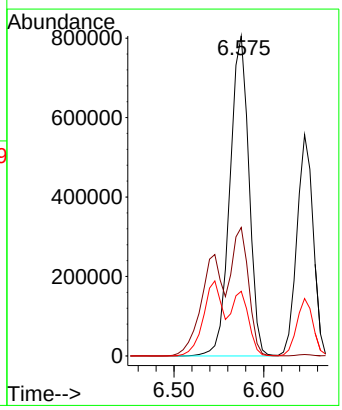
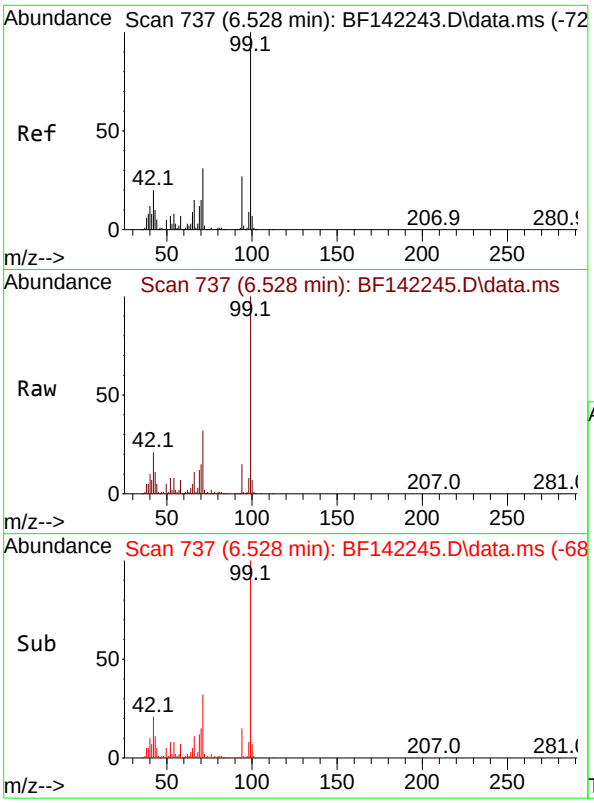


#6
Aniline
Concen: 58.890 ng
RT: 6.575 min Scan# 745
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 93 Resp: 1184649

Ion	Ratio	Lower	Upper
93	100		
66	40.1	32.1	48.1
65	20.2	16.6	24.8





#7
Phenol-d6
Concen: 117.026 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 99 Resp: 166321

Ion	Ratio	Lower	Upper
99	100		
42	20.7	16.3	24.5
71	32.3	25.0	37.4

Instrument :
BNA_F
ClientSampleId :
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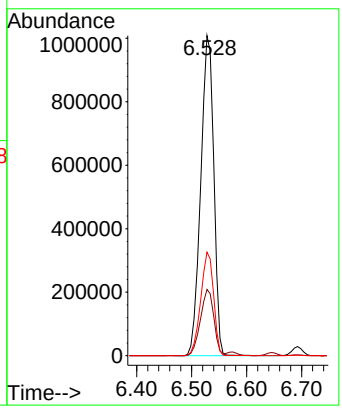
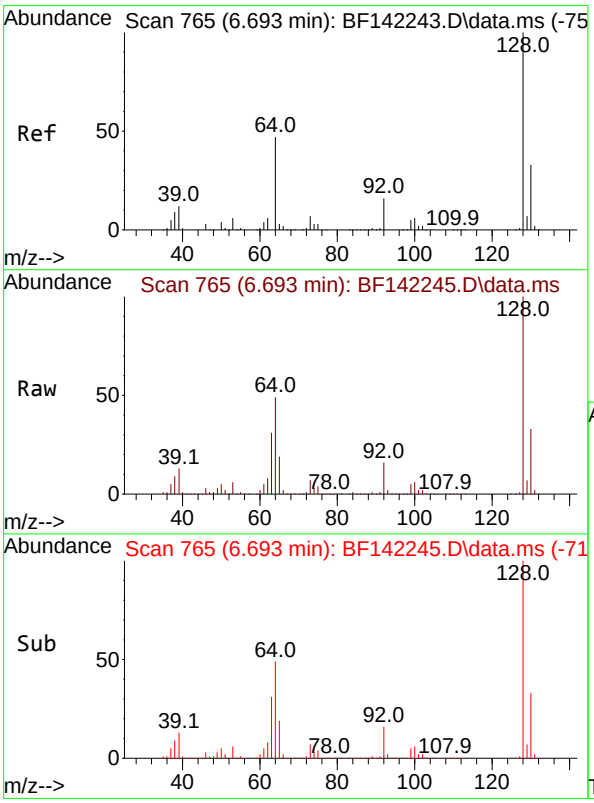
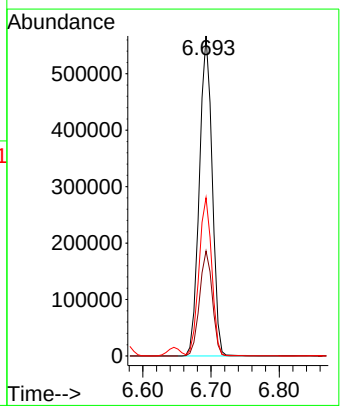


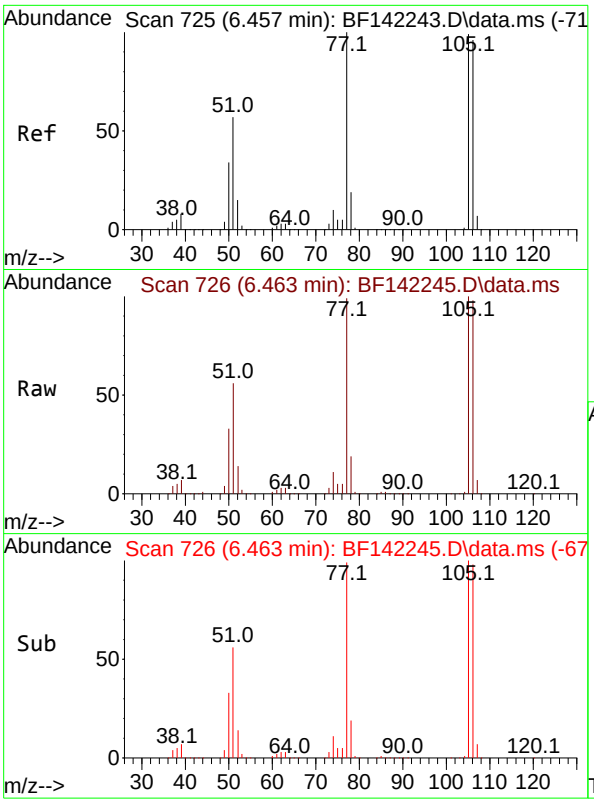


#8
2-Chlorophenol
Concen: 60.874 ng
RT: 6.693 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:128 Resp: 740327

Ion	Ratio	Lower	Upper
128	100		
130	32.8	13.1	53.1
64	49.4	28.6	68.6

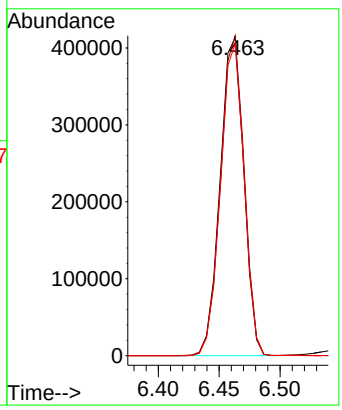




#9
Benzaldehyde
Concen: 56.352 ng
RT: 6.463 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 77 Resp: 55976

Ion	Ratio	Lower	Upper
77	100		
105	100.6	79.1	119.1
106	98.1	76.0	116.0



Instrument :
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ClientSampleId :
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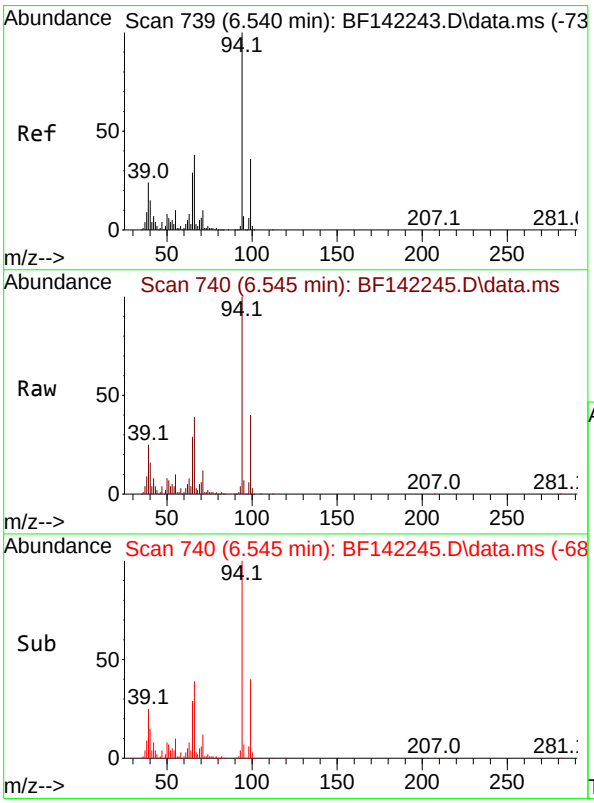
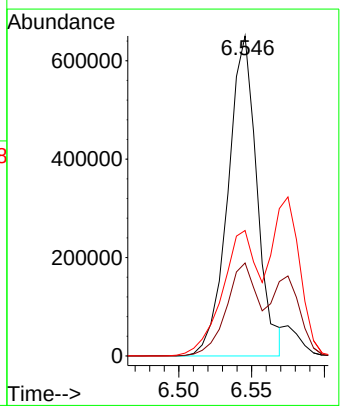
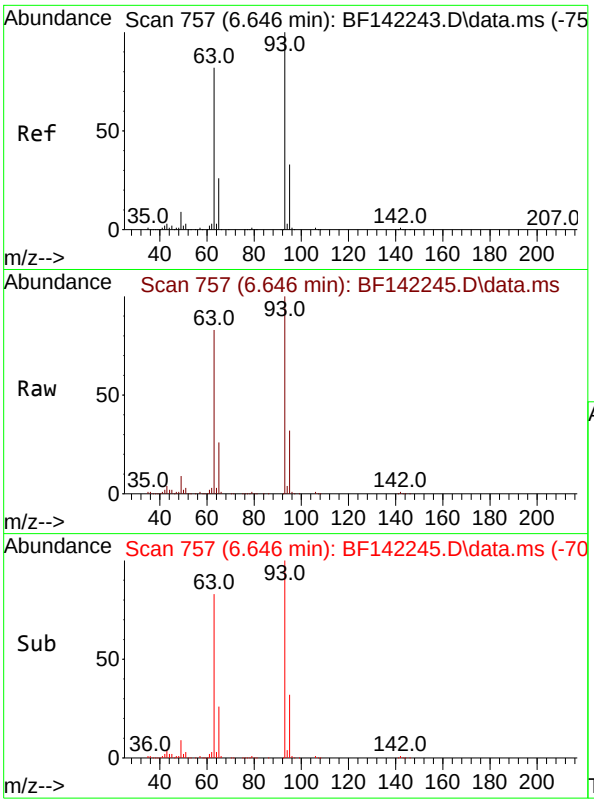


#10
Phenol
Concen: 59.085 ng m
RT: 6.545 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 94 Resp: 903976

Ion	Ratio	Lower	Upper
94	100		
65	29.0	8.9	48.9
66	39.2	18.7	58.7

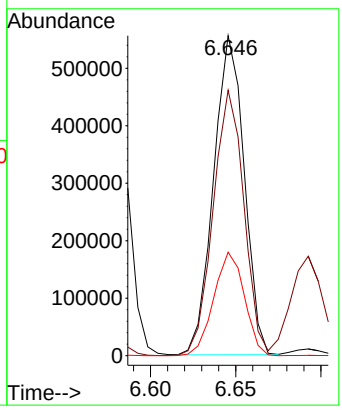




#11
bis(2-Chloroethyl)ether
Concen: 58.532 ng
RT: 6.646 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 93 Resp: 69399

Ion	Ratio	Lower	Upper
93	100		
63	83.0	62.2	102.2
95	32.3	12.7	52.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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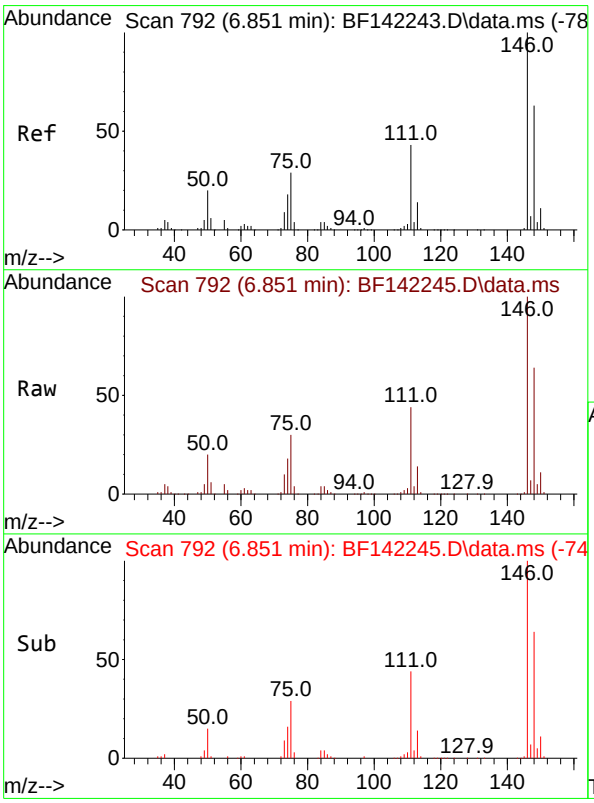
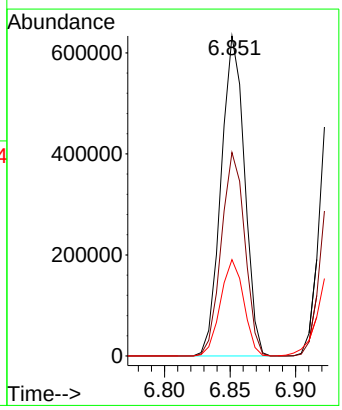
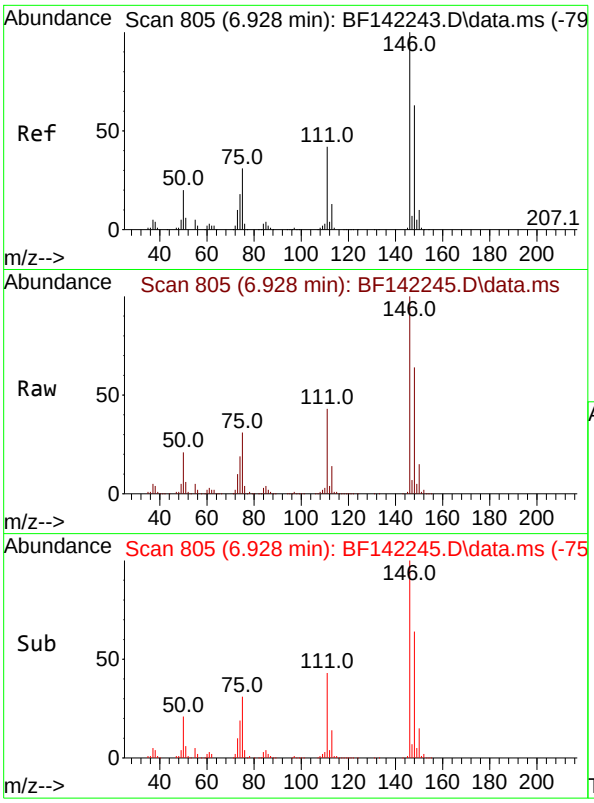


#12
1,3-Dichlorobenzene
Concen: 57.236 ng
RT: 6.851 min Scan# 792
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:146 Resp: 787463

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.5	75.7
75	30.1	23.2	34.8

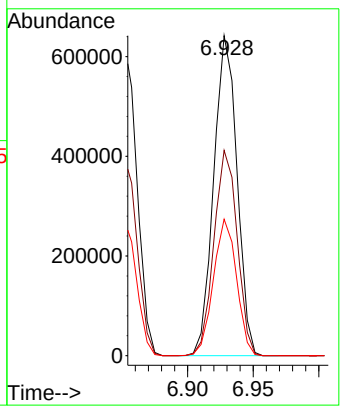




#13
1,4-Dichlorobenzene
Concen: 57.102 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:146 Resp: 79150

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.6	76.0
111	42.7	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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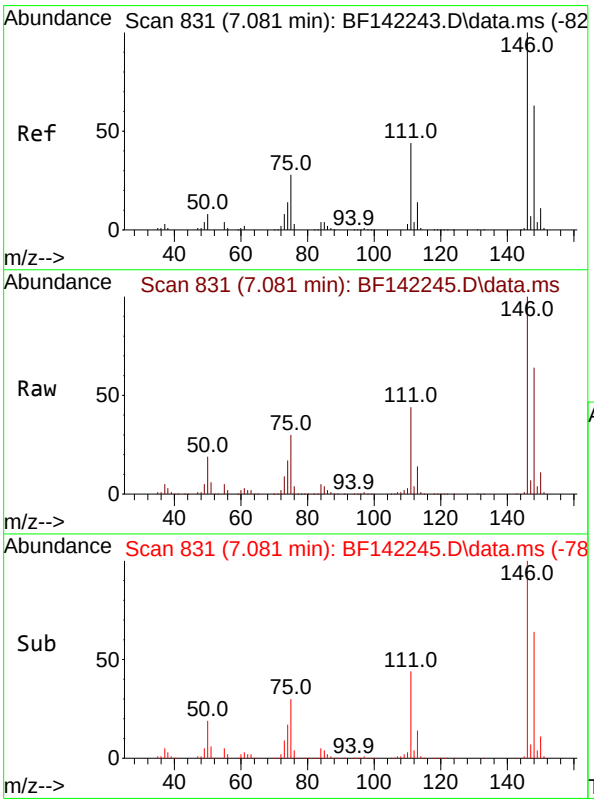
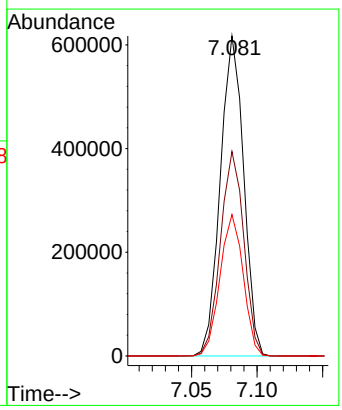
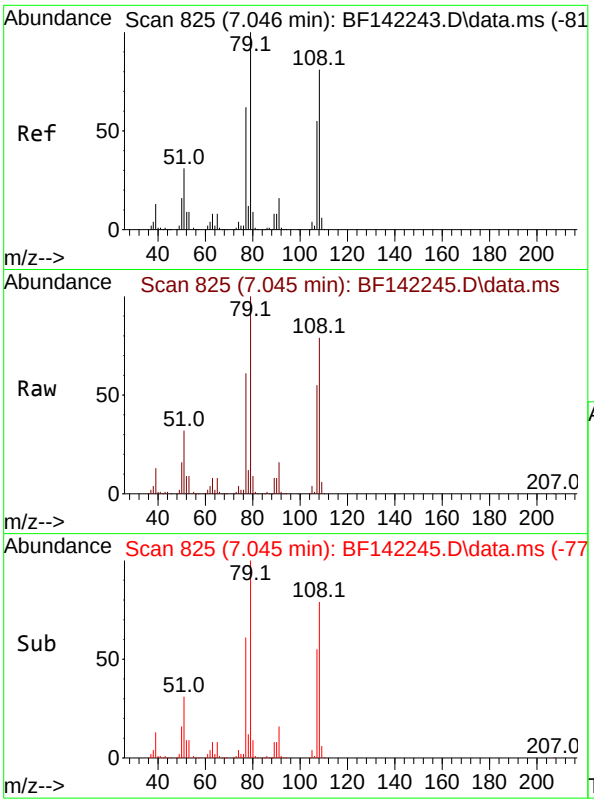


#14
1,2-Dichlorobenzene
Concen: 57.765 ng
RT: 7.081 min Scan# 831
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:146 Resp: 764397

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.5	75.7
111	44.2	34.9	52.3





#15
Benzyl Alcohol
Concen: 60.504 ng
RT: 7.045 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 79 Resp: 60987

Ion	Ratio	Lower	Upper
79	100		
108	79.3	64.5	96.7
77	61.4	49.2	73.8

Instrument :
BNA_F
ClientSampleId :
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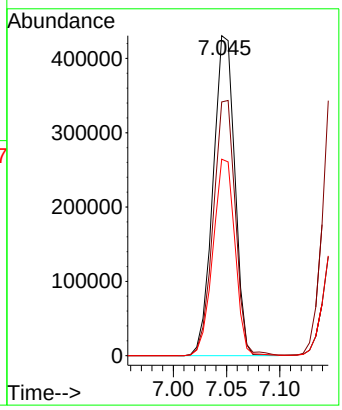
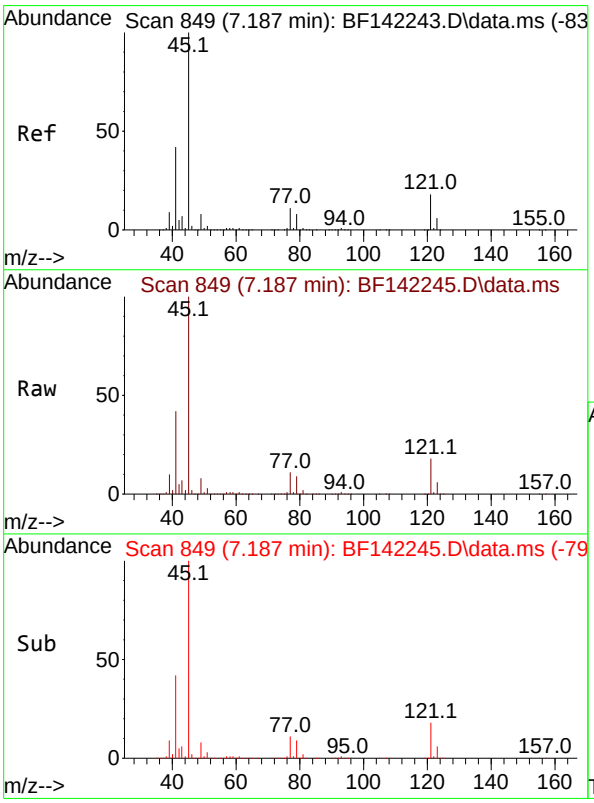
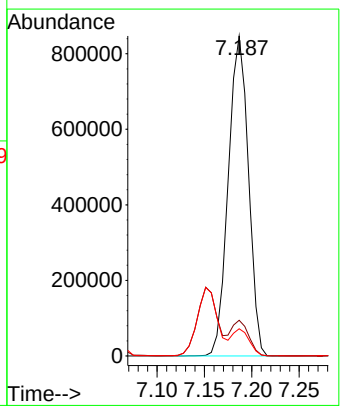


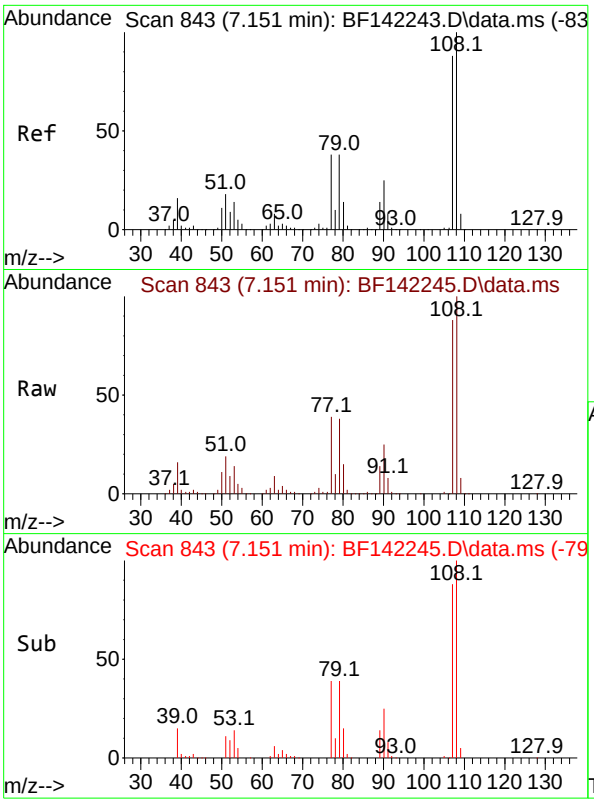


#16
2,2'-oxybis(1-Chloropropane)
Concen: 58.370 ng
RT: 7.187 min Scan# 849
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 45 Resp: 1249716

Ion	Ratio	Lower	Upper
45	100		
77	11.2	0.0	31.3
79	8.5	0.0	28.5

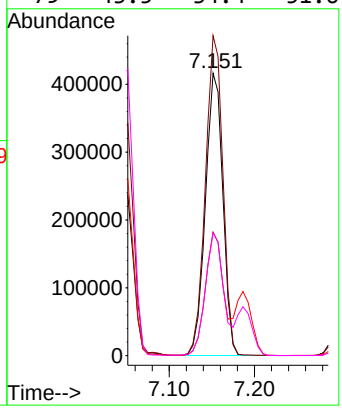




#17
2-Methylphenol
Concen: 59.438 ng
RT: 7.151 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:107 Resp: 59217

Ion	Ratio	Lower	Upper
107	100		
108	113.3	91.0	136.4
77	43.7	34.4	51.6
79	43.5	34.4	51.6



Instrument :
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ClientSampleId :
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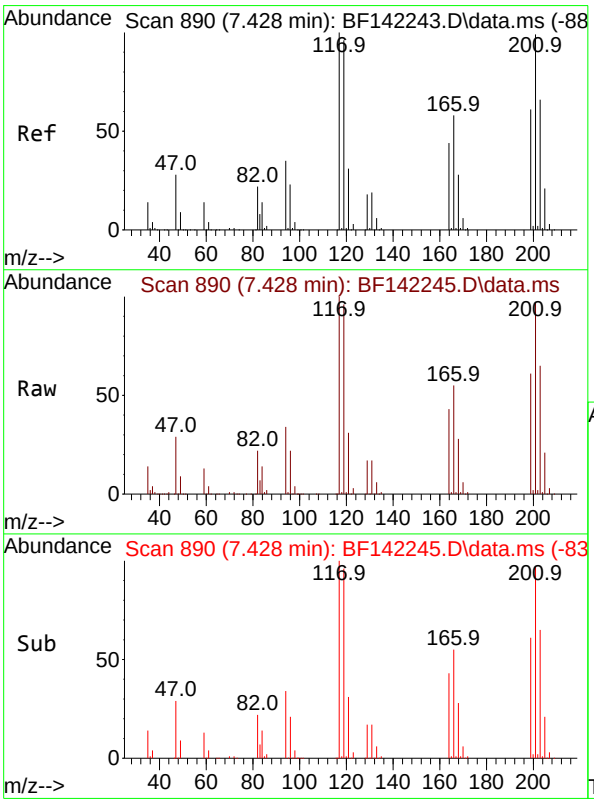
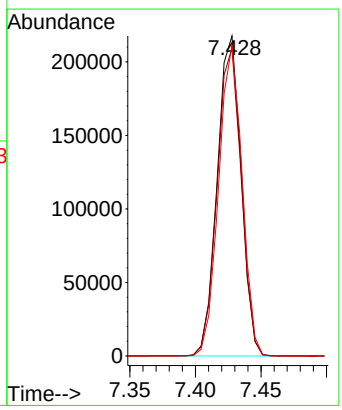
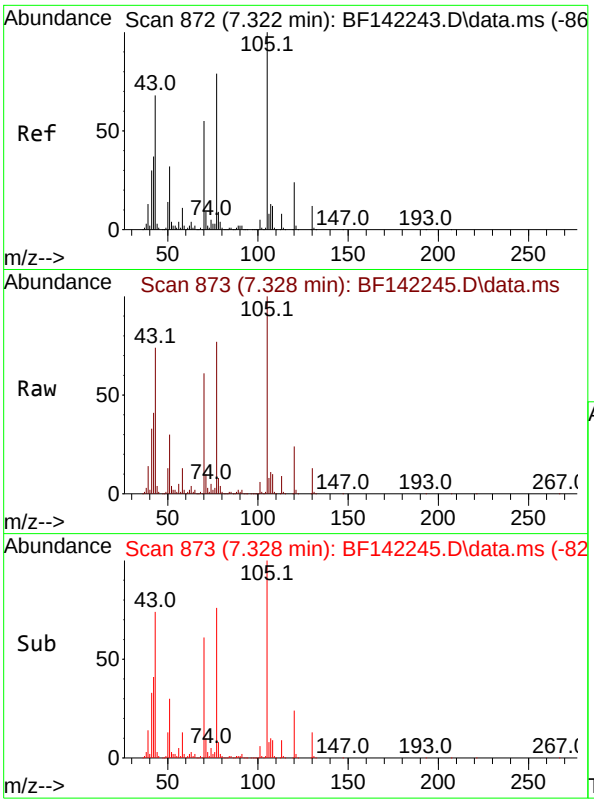


#18
Hexachloroethane
Concen: 60.761 ng
RT: 7.428 min Scan# 890
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:117 Resp: 275661

Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.1	115.7
201	97.0	79.4	119.2

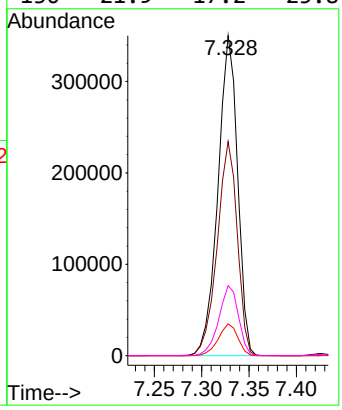




#19
n-Nitroso-di-n-propylamine
Concen: 57.660 ng
RT: 7.328 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 70 Resp: 50638

Ion	Ratio	Lower	Upper
70	100		
42	66.9	53.4	80.2
101	10.0	7.7	11.5
130	21.9	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
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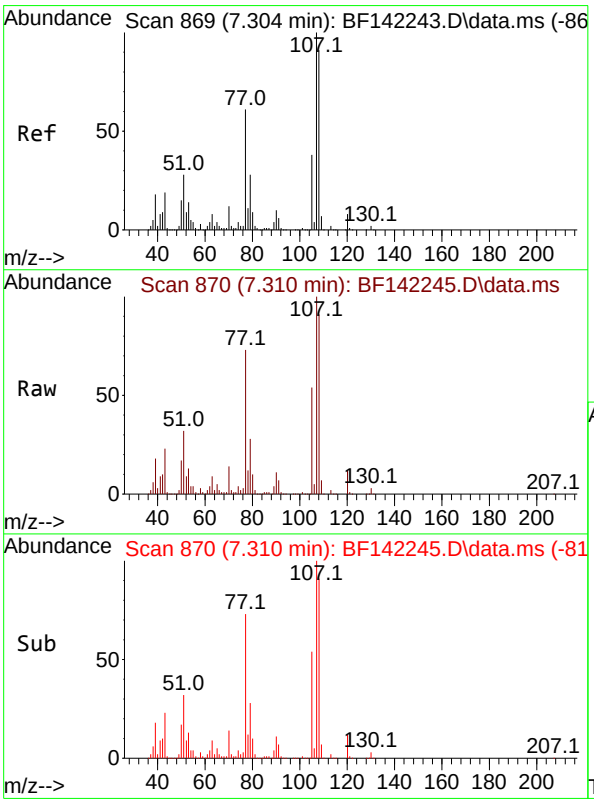
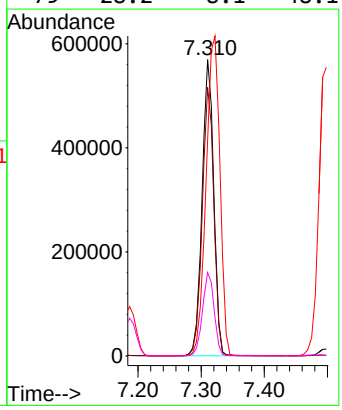
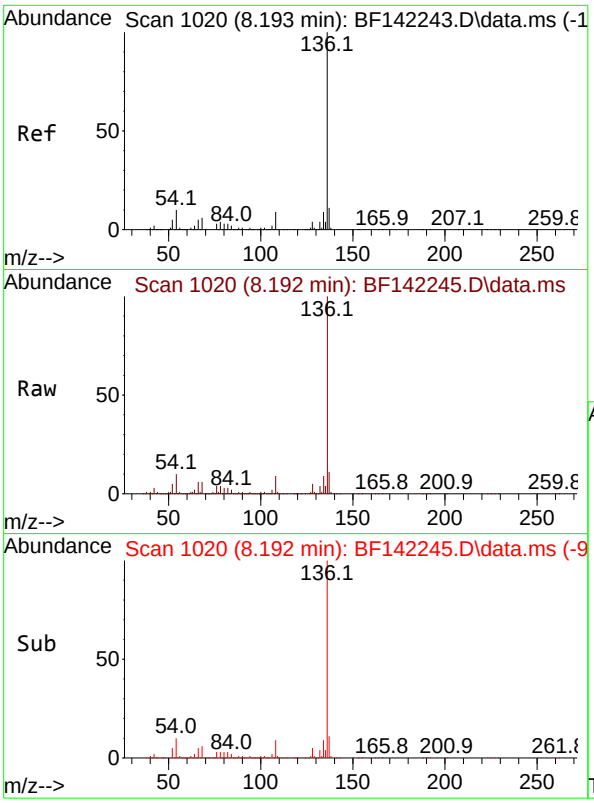


#20
3+4-Methylphenols
Concen: 58.670 ng
RT: 7.310 min Scan# 870
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:107 Resp: 730966

Ion	Ratio	Lower	Upper
107	100		
108	90.6	71.2	111.2
77	73.0	41.1	81.1
79	28.2	8.1	48.1

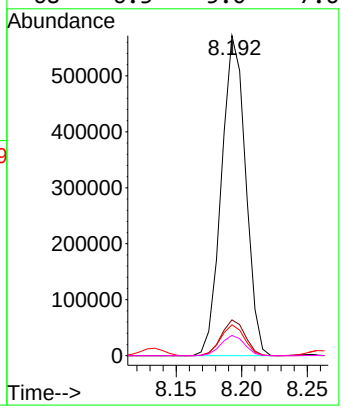




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:136 Resp: 73076

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	9.7	7.7	11.5
68	6.3	5.0	7.6



Instrument :
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ClientSampleId :
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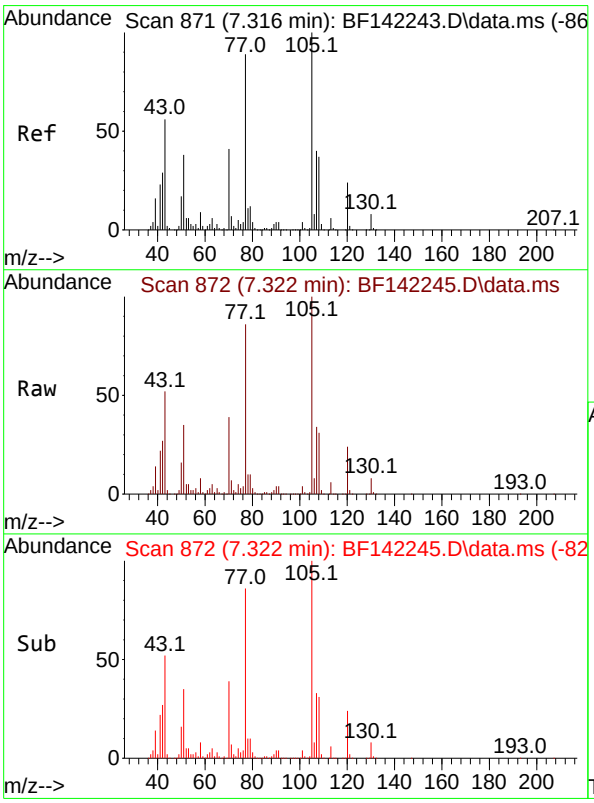
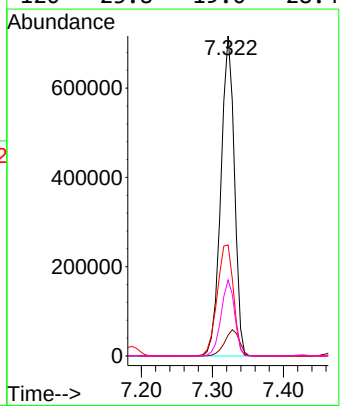
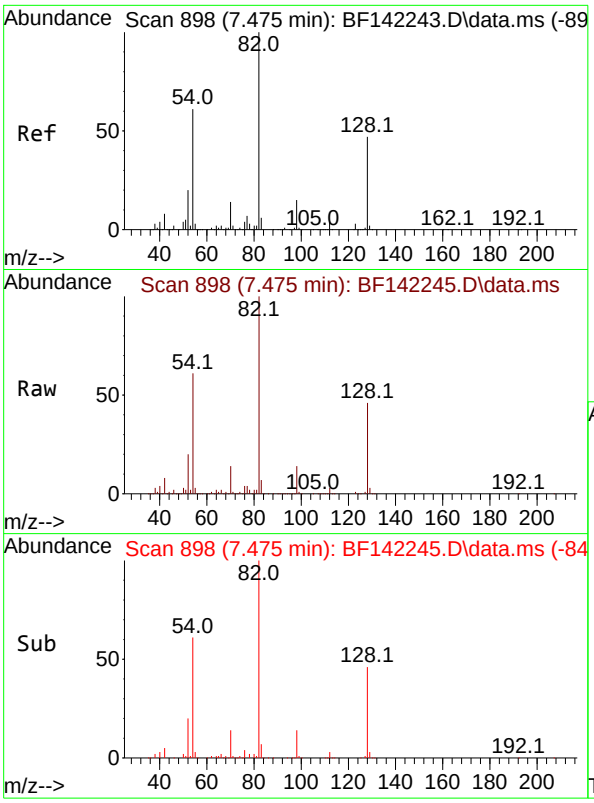


#22
Acetophenone
Concen: 55.792 ng
RT: 7.322 min Scan# 872
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:105 Resp: 943225

Ion	Ratio	Lower	Upper
105	100		
71	6.5	5.7	8.5
51	34.7	30.1	45.1
120	23.8	19.0	28.4





#23
Nitrobenzene-d5
Concen: 133.783 ng
RT: 7.475 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 82 Resp: 148810

Ion	Ratio	Lower	Upper
82	100		
128	46.0	37.0	55.6
54	60.6	48.0	72.0

Instrument :
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ClientSampleId :
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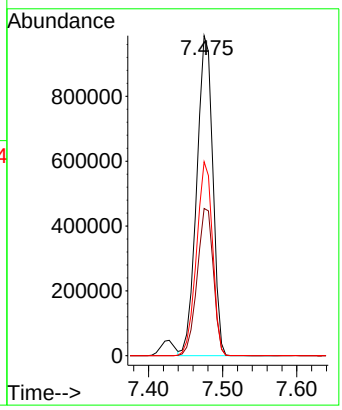
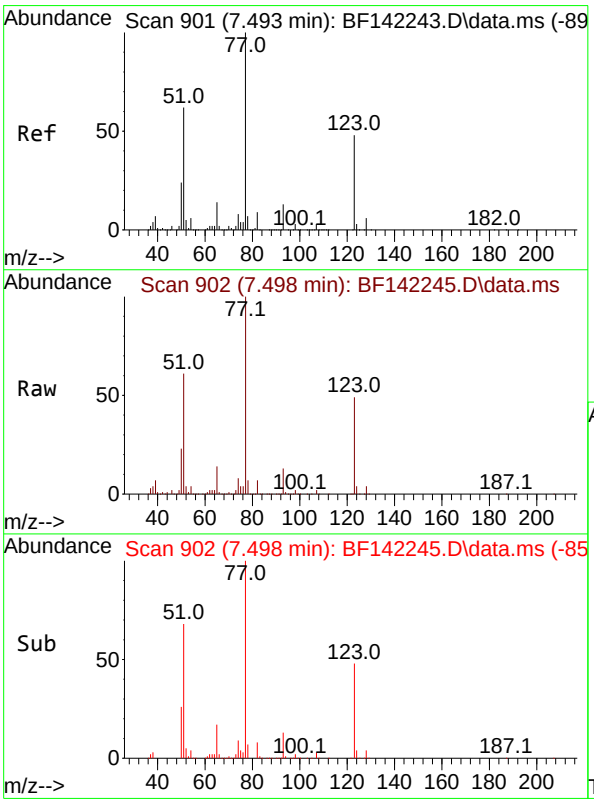
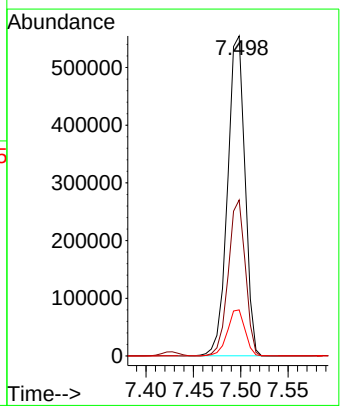


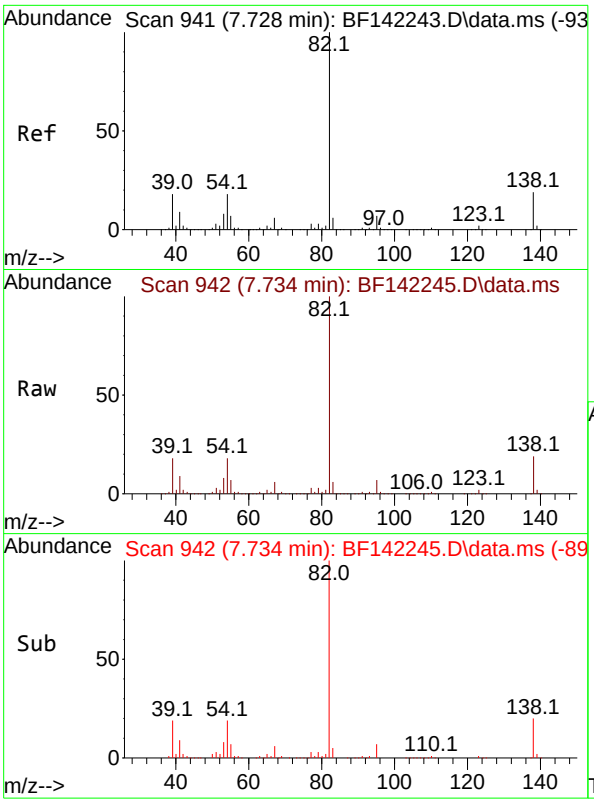


#24
Nitrobenzene
Concen: 64.948 ng
RT: 7.498 min Scan# 902
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 77 Resp: 708847

Ion	Ratio	Lower	Upper
77	100		
123	48.8	38.6	58.0
65	14.4	11.5	17.3

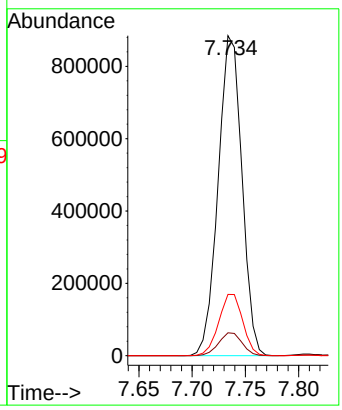




#25
Isophorone
Concen: 58.764 ng
RT: 7.734 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 82 Resp: 137182

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.6	8.4
138	19.2	15.3	22.9



Instrument :
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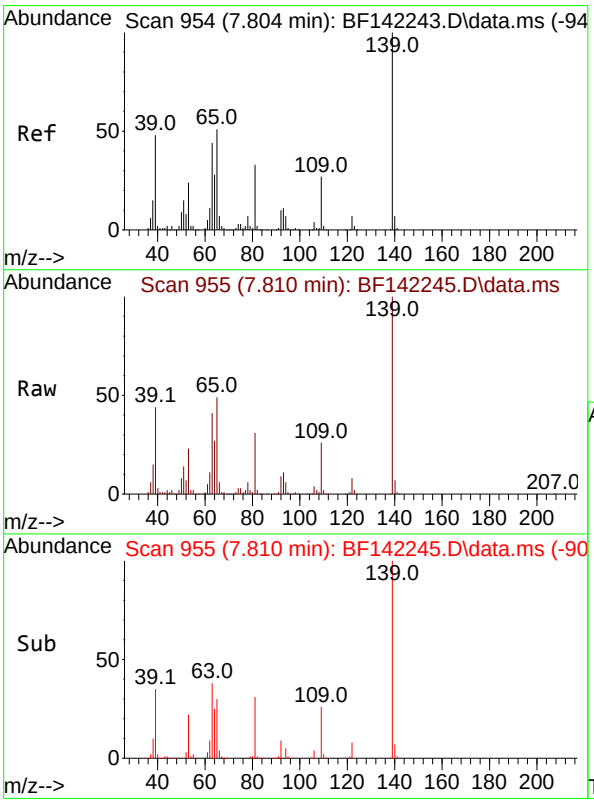
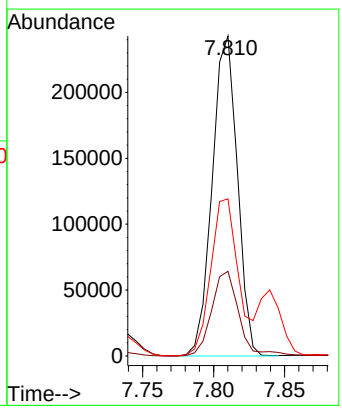
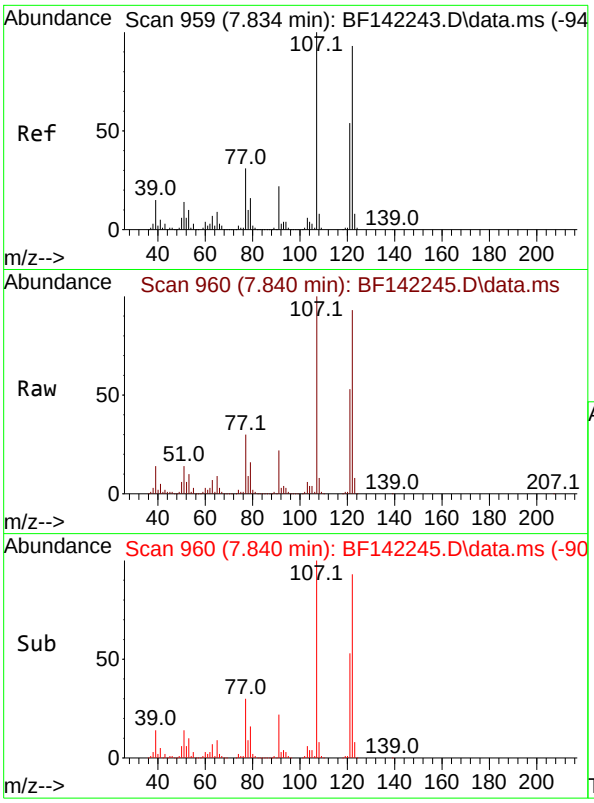


#26
2-Nitrophenol
Concen: 61.132 ng
RT: 7.810 min Scan# 955
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:139 Resp: 299107

Ion	Ratio	Lower	Upper
139	100		
109	26.5	21.8	32.8
65	49.1	41.1	61.7

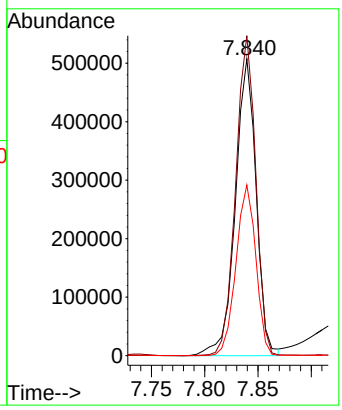




#27
2,4-Dimethylphenol
Concen: 58.731 ng
RT: 7.840 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:122 Resp: 69126

Ion	Ratio	Lower	Upper
122	100		
107	107.8	86.0	129.0
121	57.5	46.3	69.5



Instrument :
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ClientSampleId :
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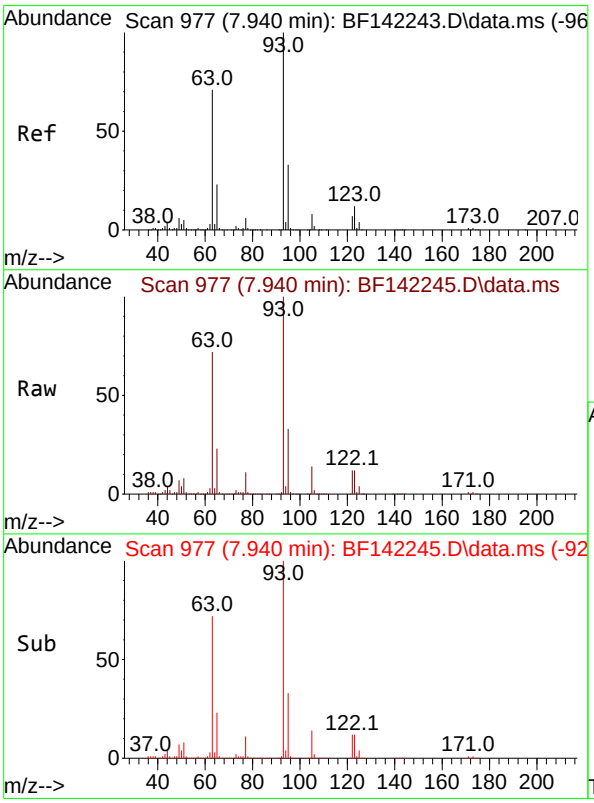
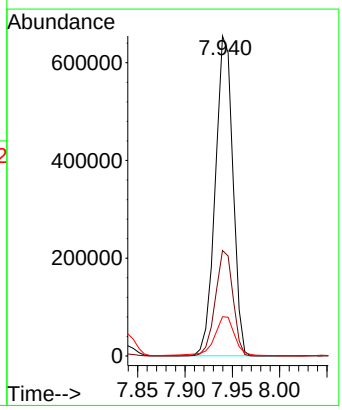
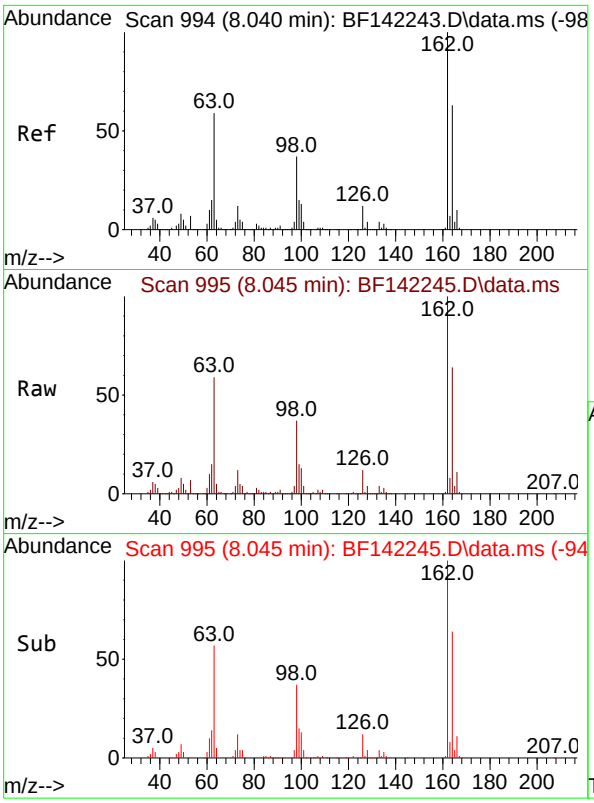


#28
bis(2-Chloroethoxy)methane
Concen: 57.543 ng
RT: 7.940 min Scan# 977
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 93 Resp: 847188

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.2	39.2
123	12.3	9.7	14.5





#29
2,4-Dichlorophenol
Concen: 60.658 ng
RT: 8.045 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:162 Resp: 59689

Ion	Ratio	Lower	Upper
162	100		
164	64.4	43.0	83.0
98	36.7	16.7	56.7

Instrument :
BNA_F
ClientSampleId :
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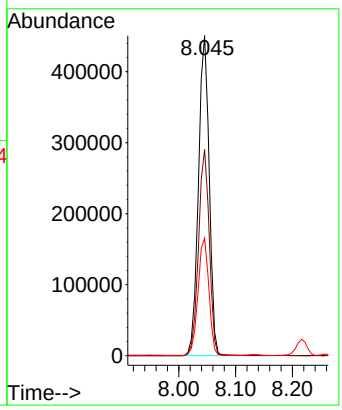
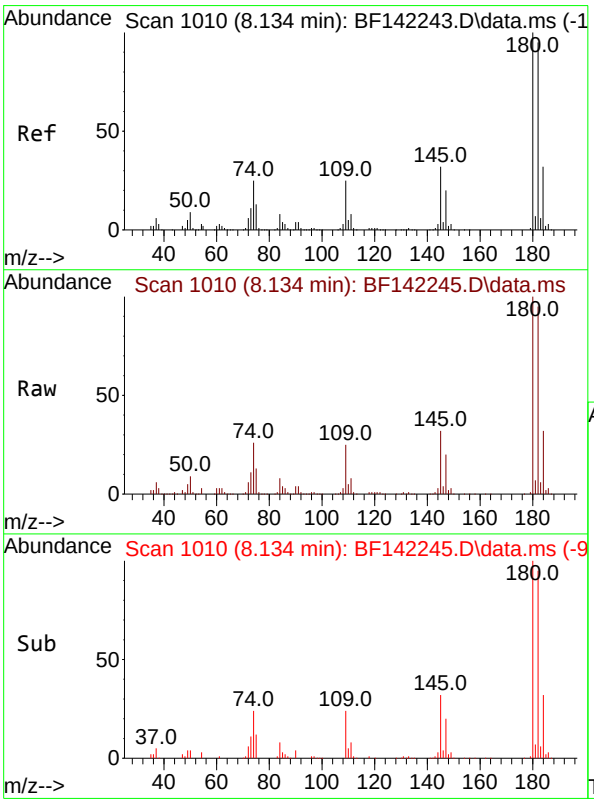
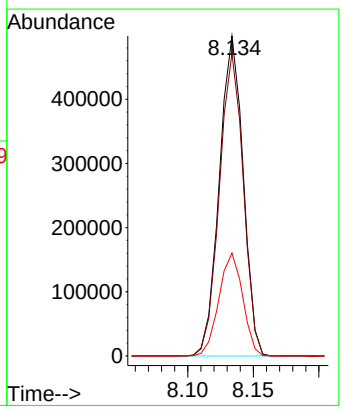


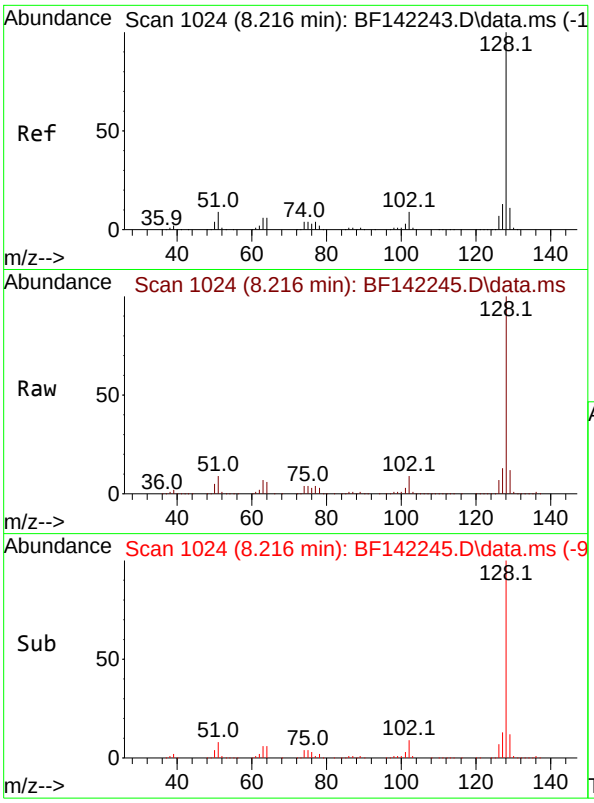


#30
1,2,4-Trichlorobenzene
Concen: 57.256 ng
RT: 8.134 min Scan# 1010
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:180 Resp: 628720

Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.7	113.5
145	32.1	25.4	38.0

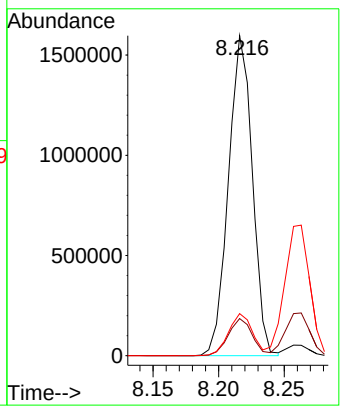




#31
Naphthalene
Concen: 55.603 ng
RT: 8.216 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:128 Resp: 202639

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.0	13.4
127	13.2	10.6	15.8



Instrument :
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ClientSampleId :
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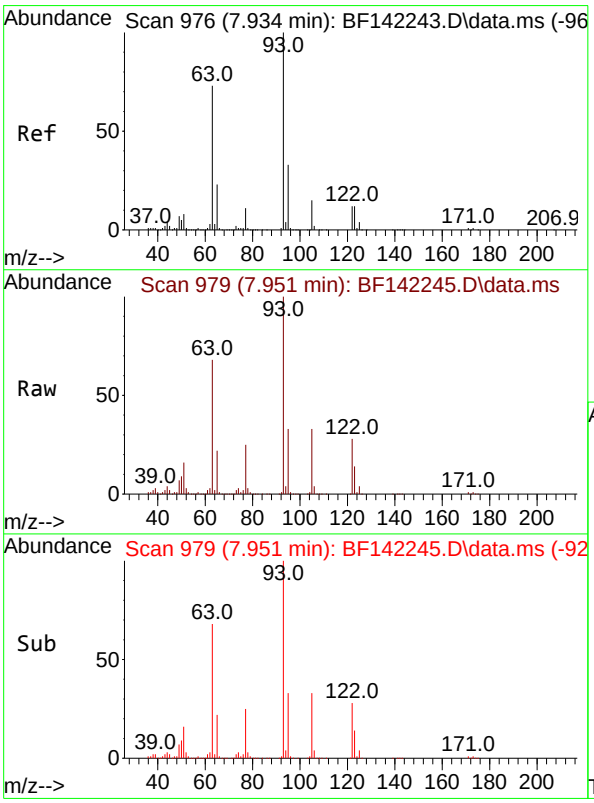
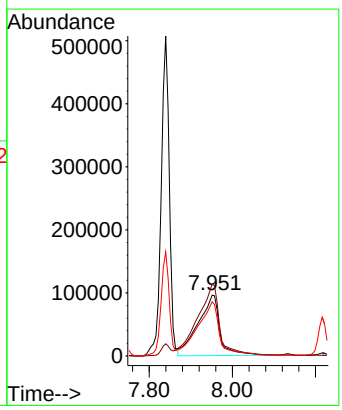
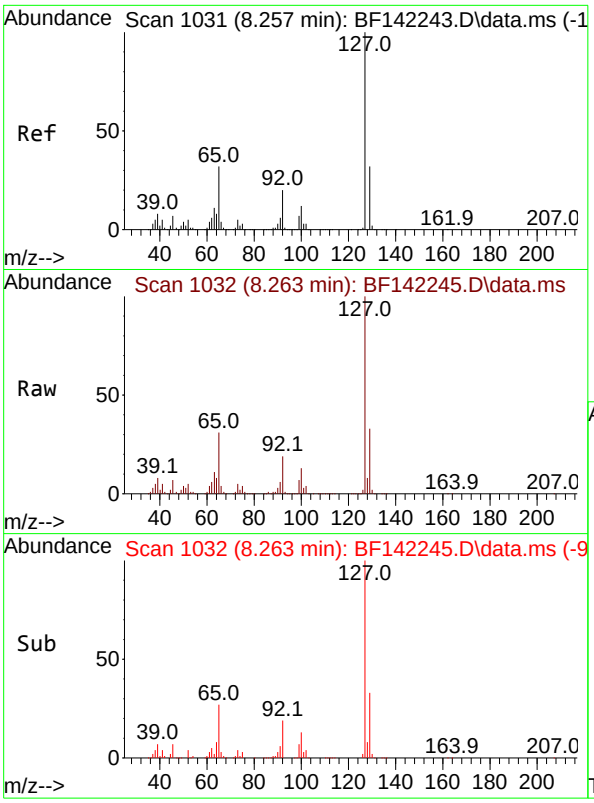


#32
Benzoic acid
Concen: 59.198 ng
RT: 7.951 min Scan# 979
Delta R.T. 0.017 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:122 Resp: 349577

Ion	Ratio	Lower	Upper
122	100		
105	118.0	98.2	138.2
77	88.8	66.8	106.8

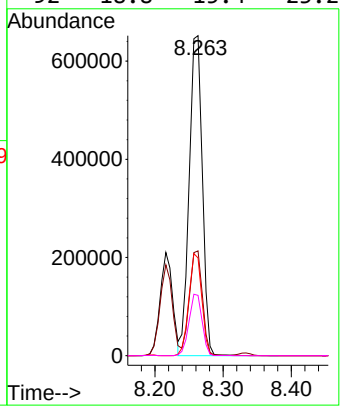




#33
4-Chloroaniline
Concen: 57.207 ng
RT: 8.263 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:127 Resp: 86815

Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.1	39.1
65	30.5	25.5	38.3
92	18.8	15.4	23.2



Instrument :
BNA_F
ClientSampleId :
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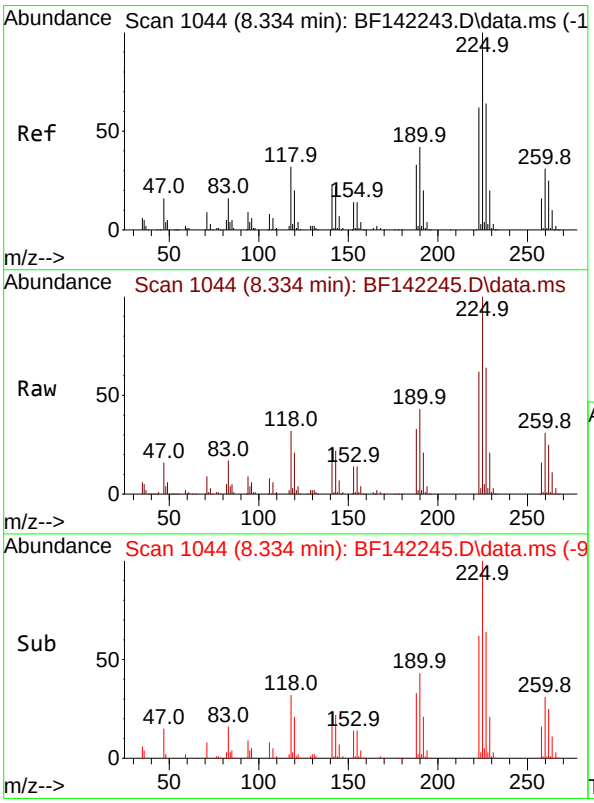
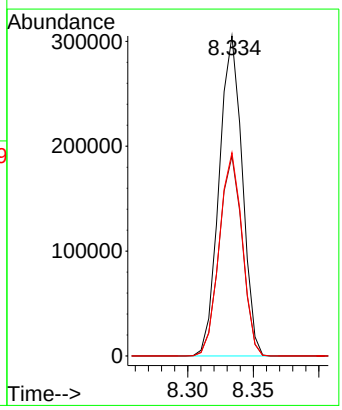
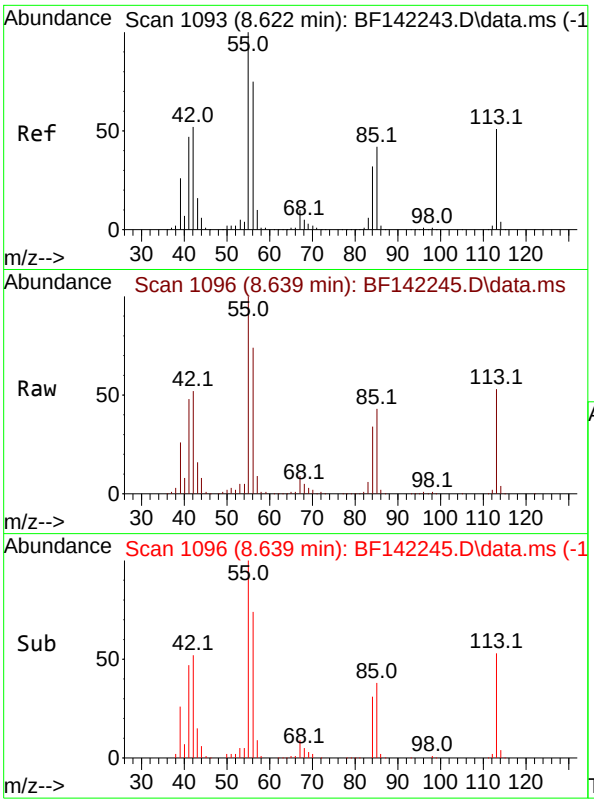


#34
Hexachlorobutadiene
Concen: 58.266 ng
RT: 8.334 min Scan# 1044
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:225 Resp: 373284

Ion	Ratio	Lower	Upper
225	100		
223	62.5	49.7	74.5
227	63.6	51.0	76.4

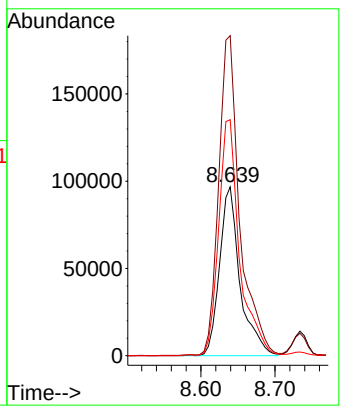




#35
Caprolactam
Concen: 62.928 ng
RT: 8.639 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:113 Resp: 18612

Ion	Ratio	Lower	Upper
113	100		
55	189.5	177.7	217.7
56	139.8	127.1	167.1



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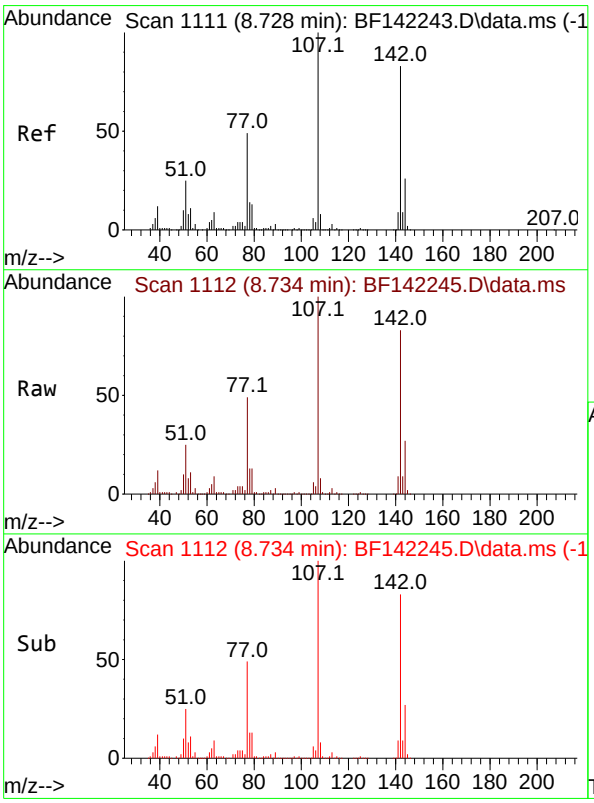
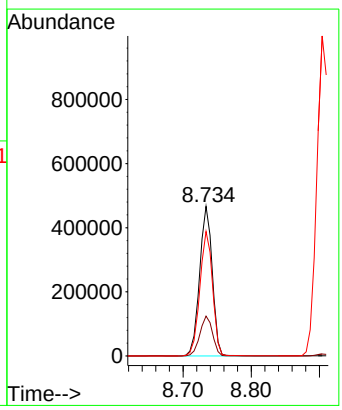
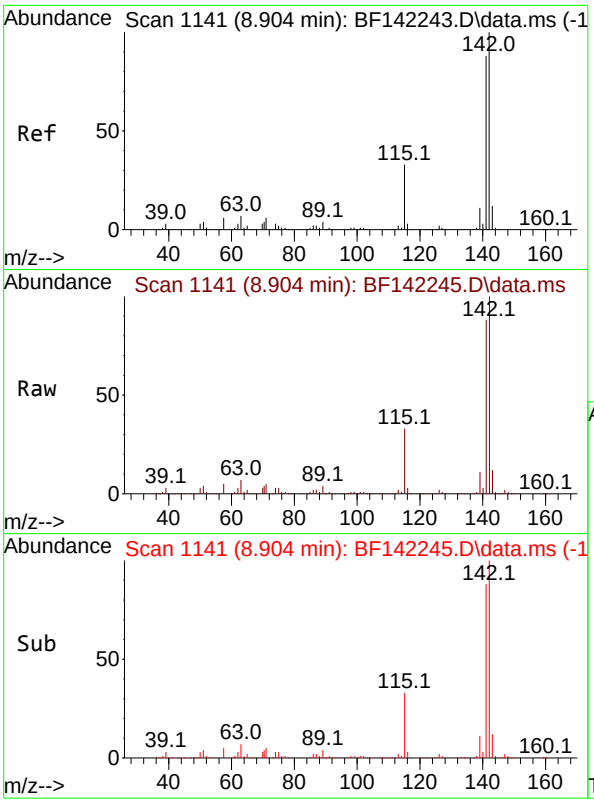


#36
4-Chloro-3-methylphenol
Concen: 59.887 ng
RT: 8.734 min Scan# 1112
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:107 Resp: 605133

Ion	Ratio	Lower	Upper
107	100		
144	26.6	21.0	31.4
142	83.2	66.1	99.1

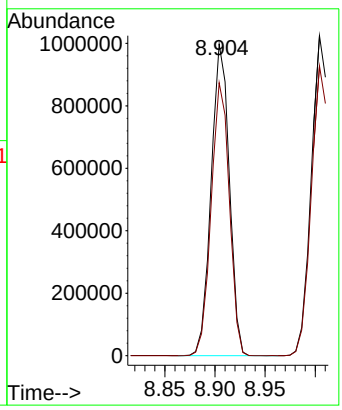




#37
2-Methylnaphthalene
Concen: 56.136 ng
RT: 8.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:142 Resp: 125782

Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.5	105.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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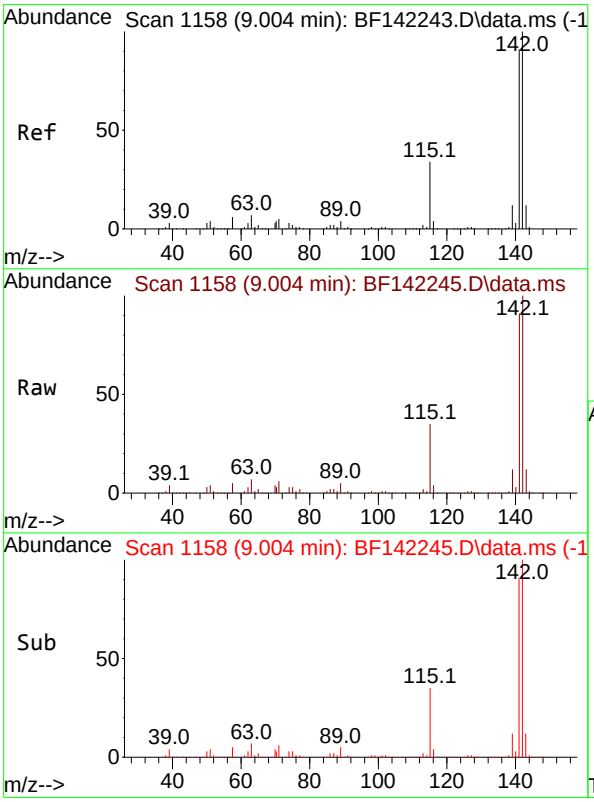
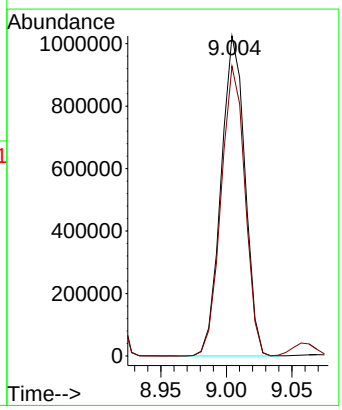
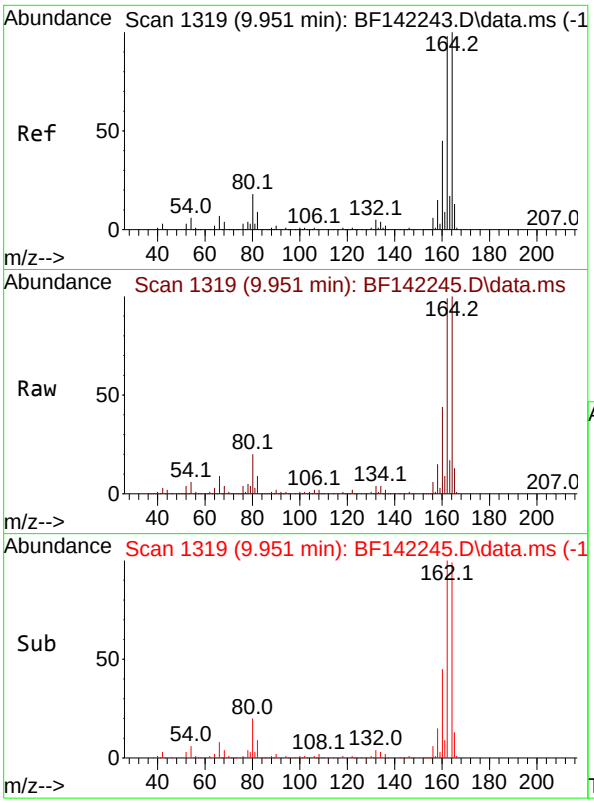


#38
1-Methylnaphthalene
Concen: 55.760 ng
RT: 9.004 min Scan# 1158
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:142 Resp: 1294318

Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.8	109.2

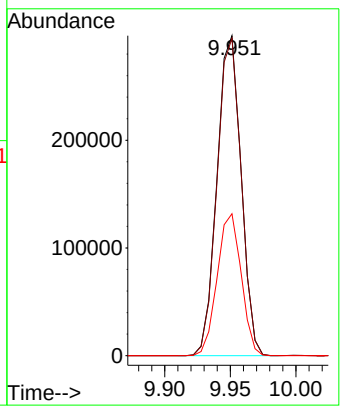




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:164 Resp: 37927

Ion	Ratio	Lower	Upper
164	100		
162	99.2	78.6	117.8
160	44.3	35.7	53.5



Instrument :
BNA_F
ClientSampleId :
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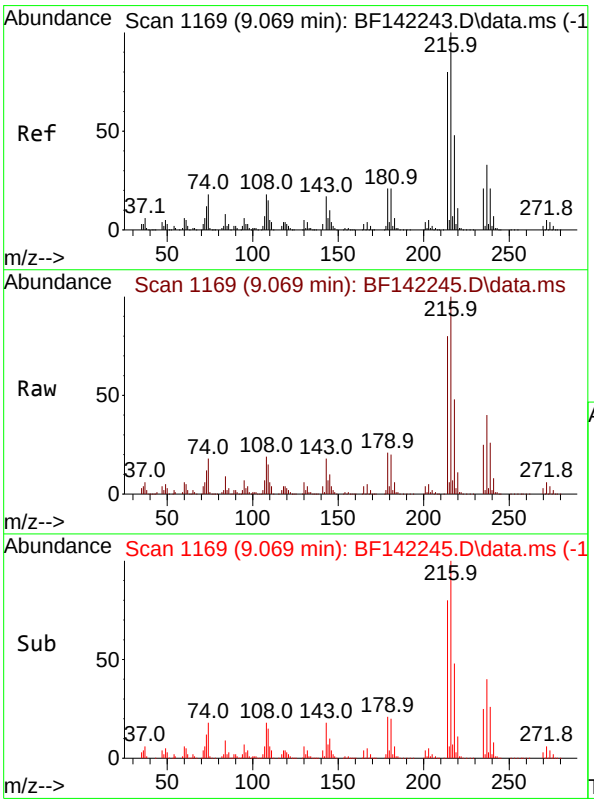
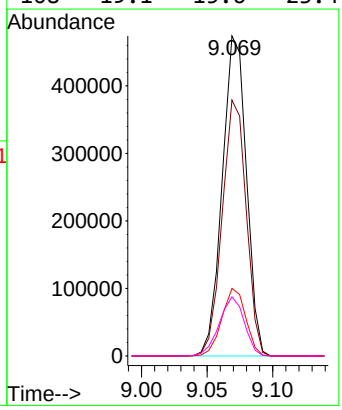
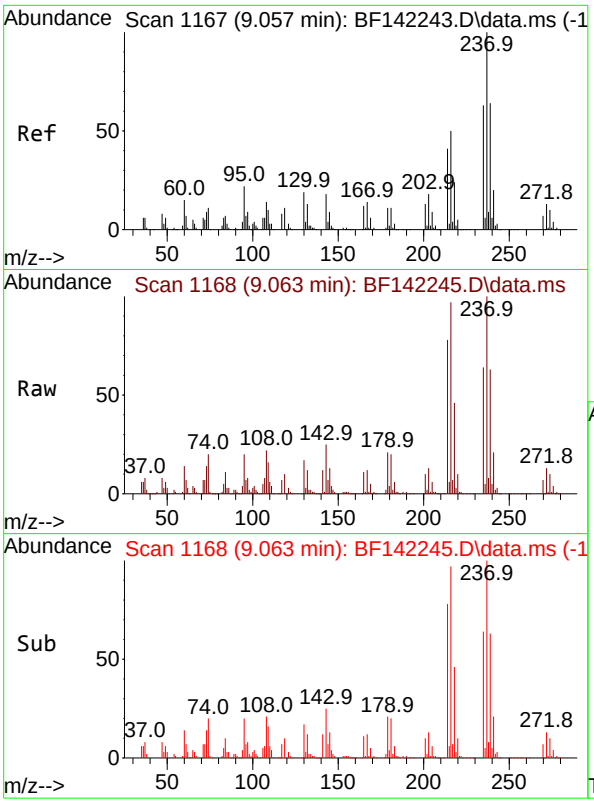


#40
1,2,4,5-Tetrachlorobenzene
Concen: 56.925 ng
RT: 9.069 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:216 Resp: 607614

Ion	Ratio	Lower	Upper
216	100		
214	79.4	63.8	95.6
179	20.9	16.7	25.1
108	19.1	15.6	23.4

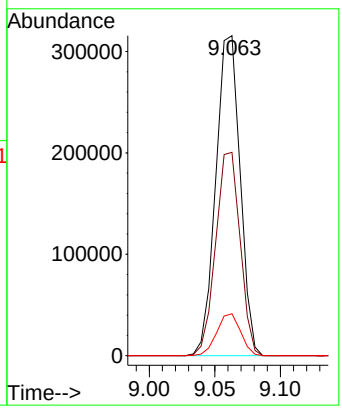




#41
Hexachlorocyclopentadiene
Concen: 67.248 ng
RT: 9.063 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:237 Resp: 40738

Ion	Ratio	Lower	Upper
237	100		
235	63.6	43.5	83.5
272	13.1	0.0	32.9



Instrument :
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ClientSampleId :
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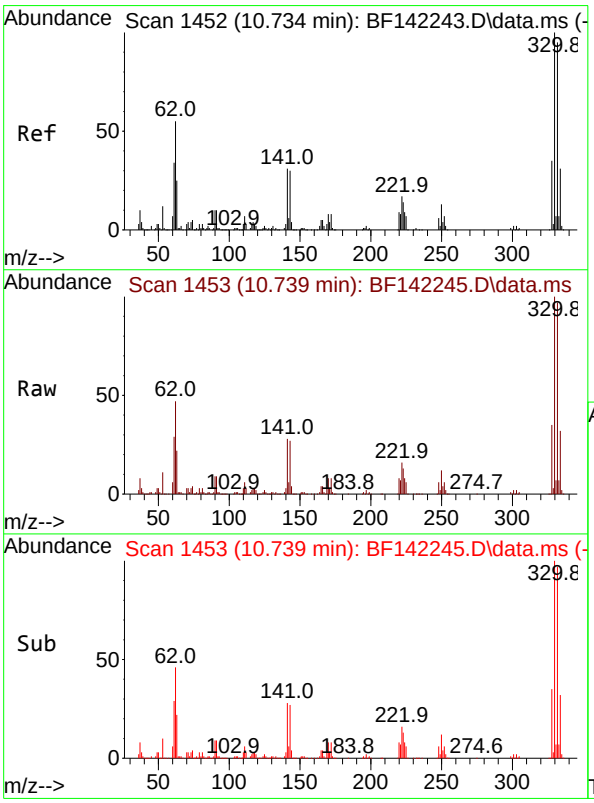
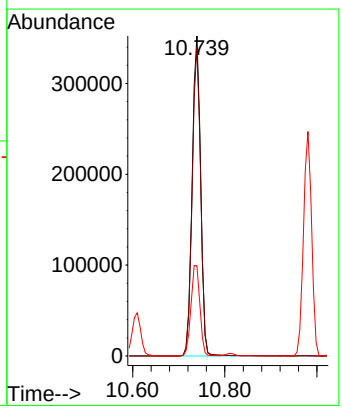
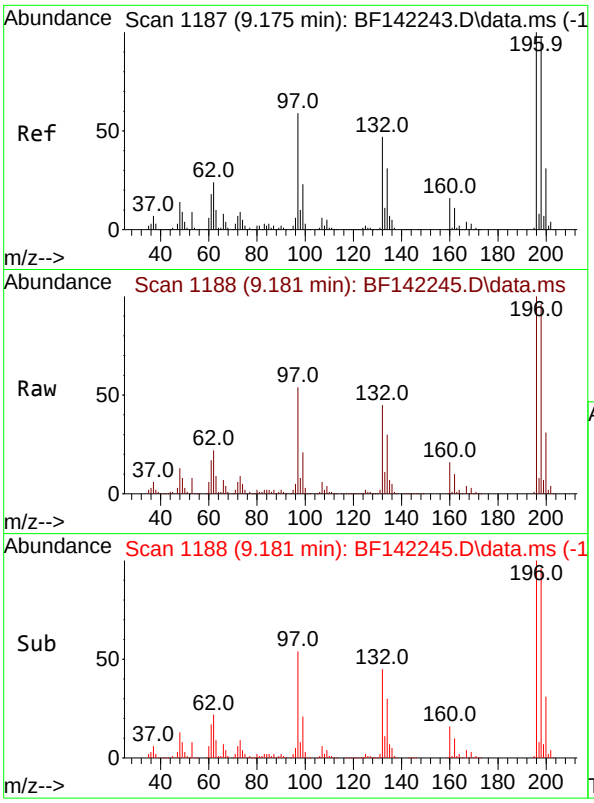


#42
2,4,6-Tribromophenol
Concen: 129.531 ng
RT: 10.739 min Scan# 1453
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:330 Resp: 447862

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.5	114.7
141	29.9	24.3	36.5

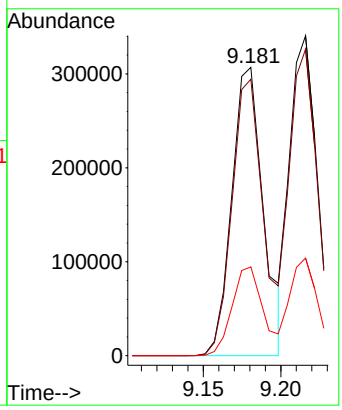




#43
2,4,6-Trichlorophenol
Concen: 65.514 ng
RT: 9.181 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:196 Resp: 43332

Ion	Ratio	Lower	Upper
196	100		
198	95.9	77.4	116.2
200	30.8	24.6	37.0



Instrument :
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ClientSampleId :
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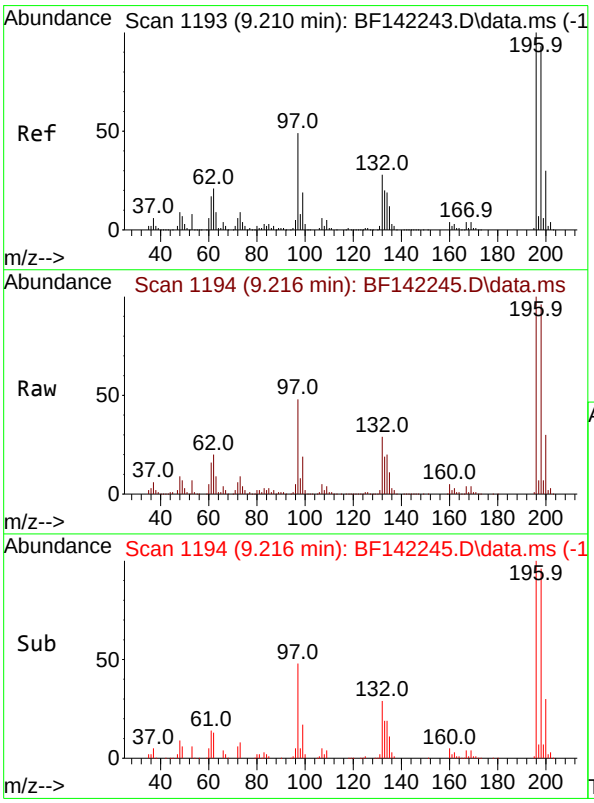
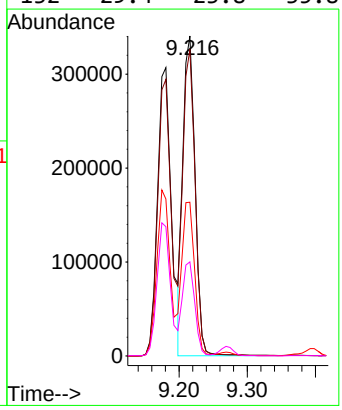
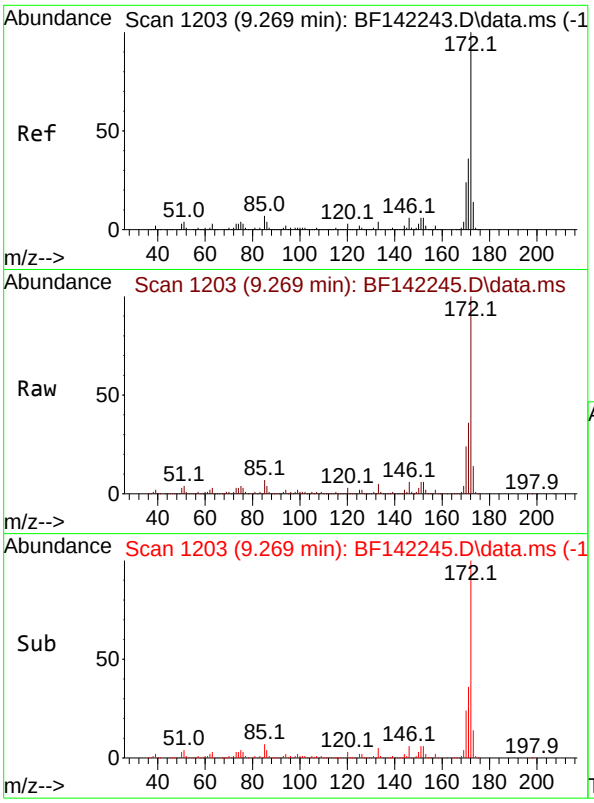


#44
2,4,5-Trichlorophenol
Concen: 60.705 ng
RT: 9.216 min Scan# 1194
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:196 Resp: 422145

Ion	Ratio	Lower	Upper
196	100		
198	95.8	75.2	112.8
97	48.1	39.8	59.8
132	29.4	23.8	35.8

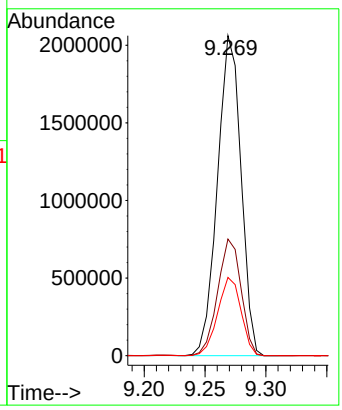




#45
2-Fluorobiphenyl
Concen: 103.255 ng
RT: 9.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:172 Resp: 277748

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.0	43.4
170	24.4	19.4	29.0



Instrument :
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ClientSampleId :
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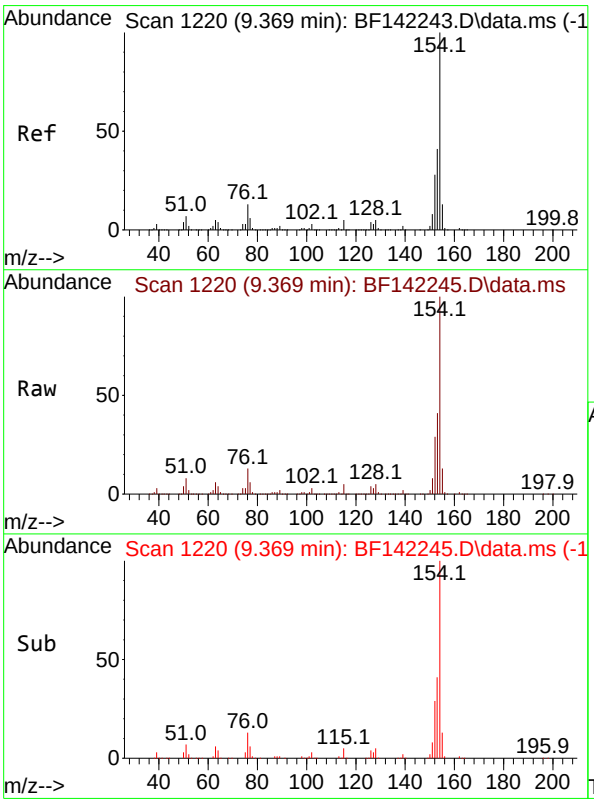
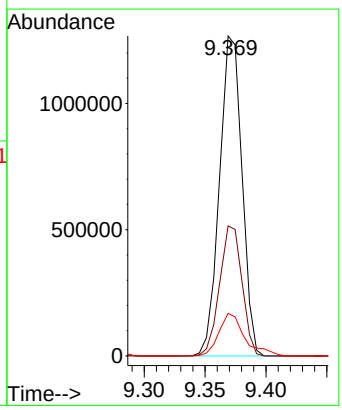
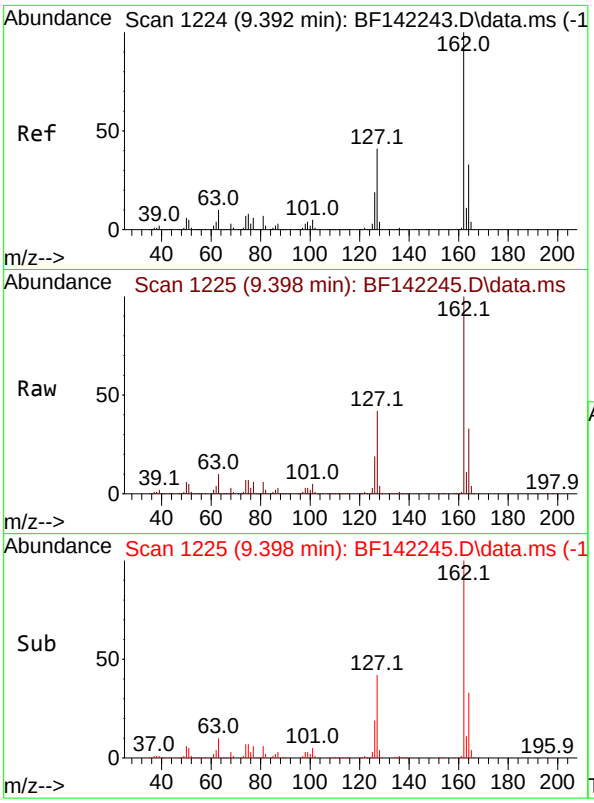


#46
1,1'-Biphenyl
Concen: 55.372 ng
RT: 9.369 min Scan# 1220
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:154 Resp: 1632628

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.5	60.5
76	13.3	0.0	32.8

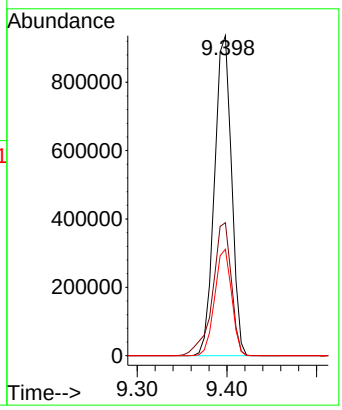




#47
2-Chloronaphthalene
Concen: 56.283 ng
RT: 9.398 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:162 Resp: 123467

Ion	Ratio	Lower	Upper
162	100		
127	41.6	32.6	49.0
164	33.2	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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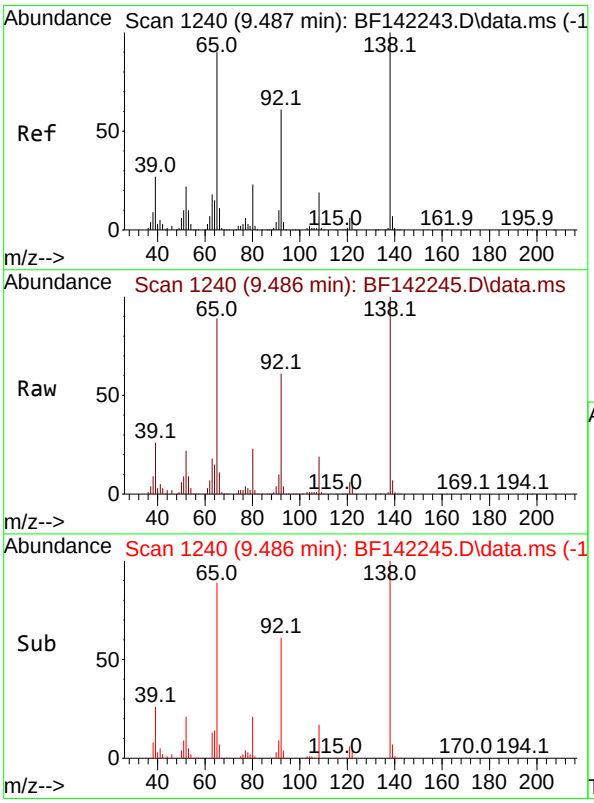
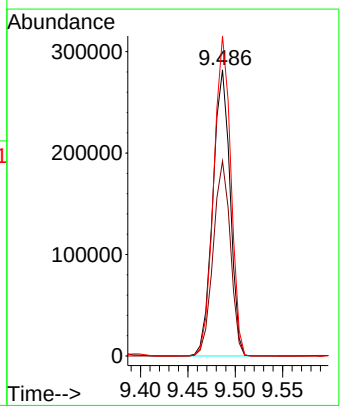
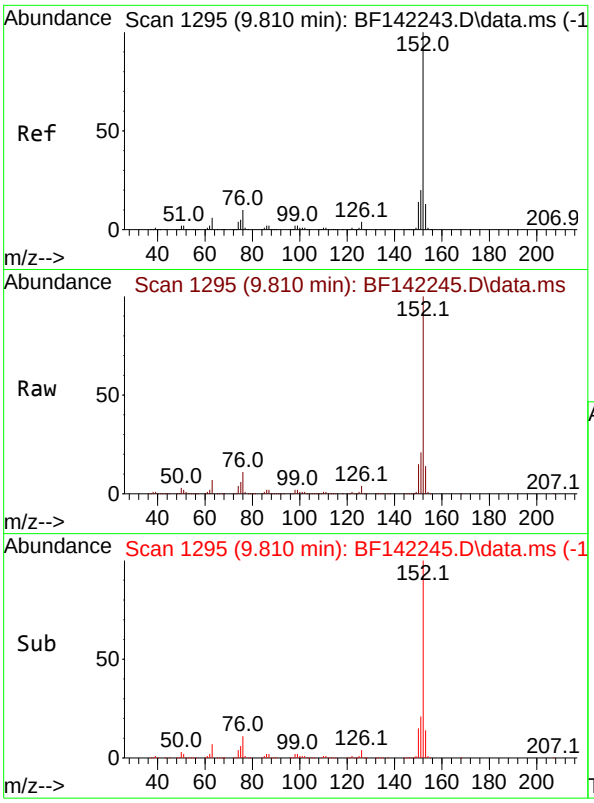


#48
2-Nitroaniline
Concen: 60.490 ng
RT: 9.486 min Scan# 1240
Delta R.T. -0.001 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 65 Resp: 357897

Ion	Ratio	Lower	Upper
65	100		
92	68.1	54.3	81.5
138	111.9	88.6	133.0

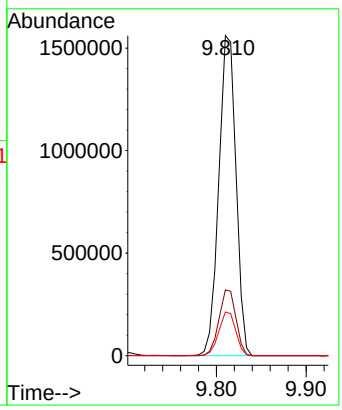




#49
Acenaphthylene
Concen: 56.175 ng
RT: 9.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:152 Resp: 207945

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.2
153	13.6	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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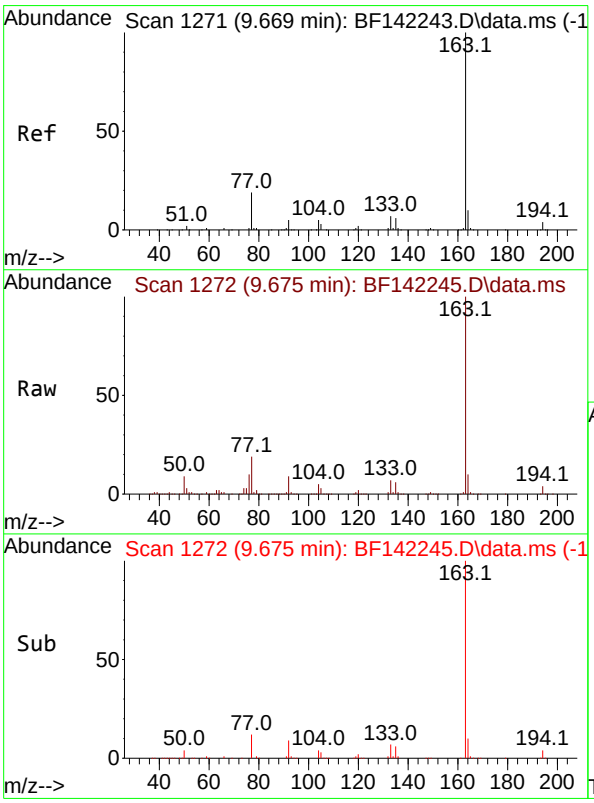
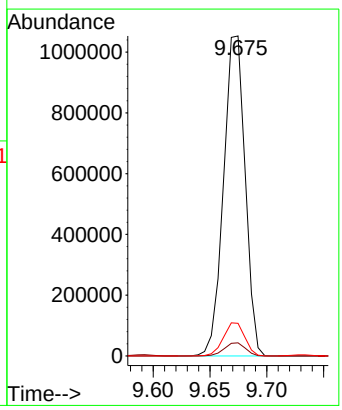
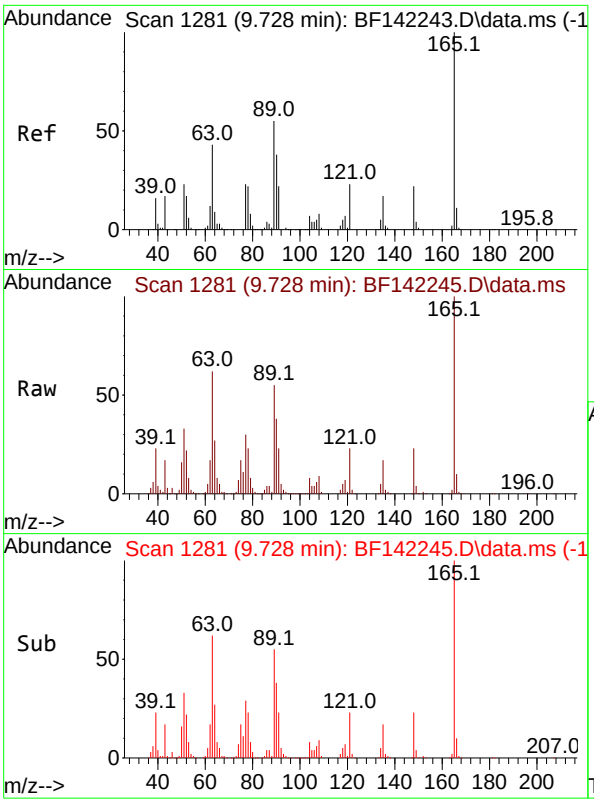


#50
Dimethylphthalate
Concen: 57.529 ng
RT: 9.675 min Scan# 1272
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:163 Resp: 1395869

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.2	8.2	12.2

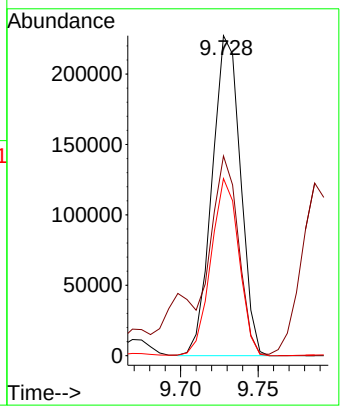




#51
2,6-Dinitrotoluene
Concen: 60.986 ng
RT: 9.728 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:165 Resp: 28935

Ion	Ratio	Lower	Upper
165	100		
63	62.4	48.5	72.7
89	55.4	43.9	65.9



Instrument :
BNA_F
ClientSampleId :
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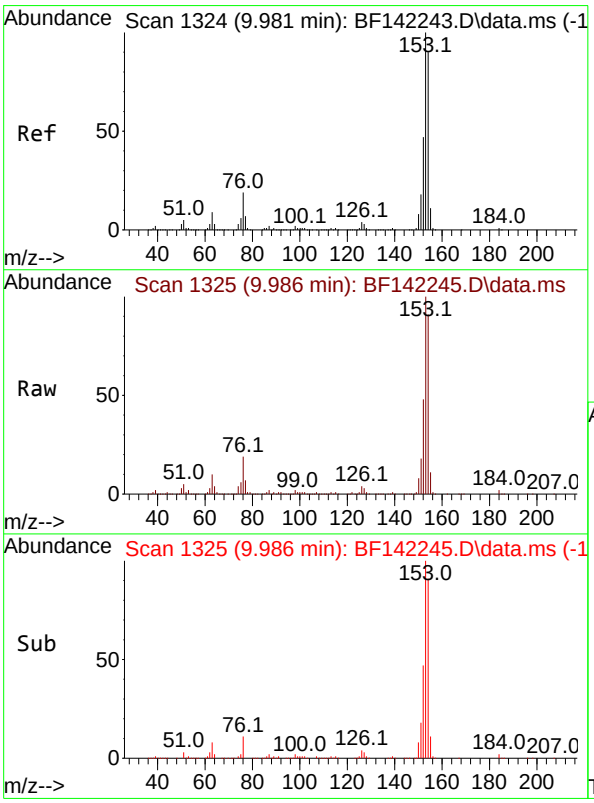
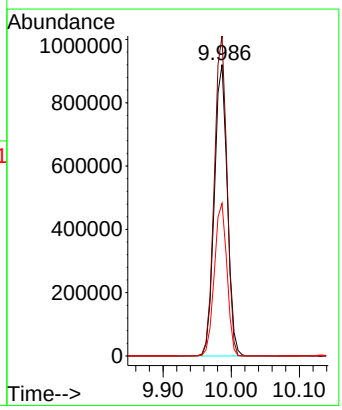
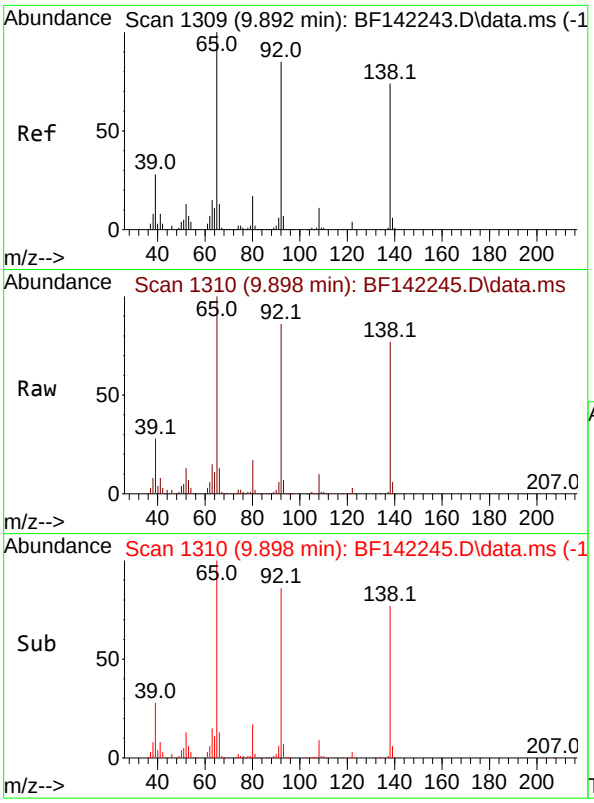


#52
Acenaphthene
Concen: 56.414 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:154 Resp: 1219341

Ion	Ratio	Lower	Upper
154	100		
153	109.8	88.6	133.0
152	52.4	42.1	63.1





#53
3-Nitroaniline
Concen: 61.278 ng
RT: 9.898 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:138 Resp: 35227

Ion	Ratio	Lower	Upper
138	100		
108	12.4	11.7	17.5
92	110.7	91.2	136.8

Instrument :
BNA_F
ClientSampleId :
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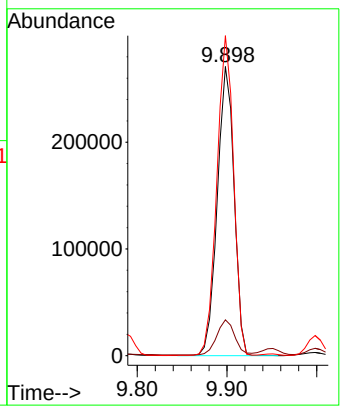
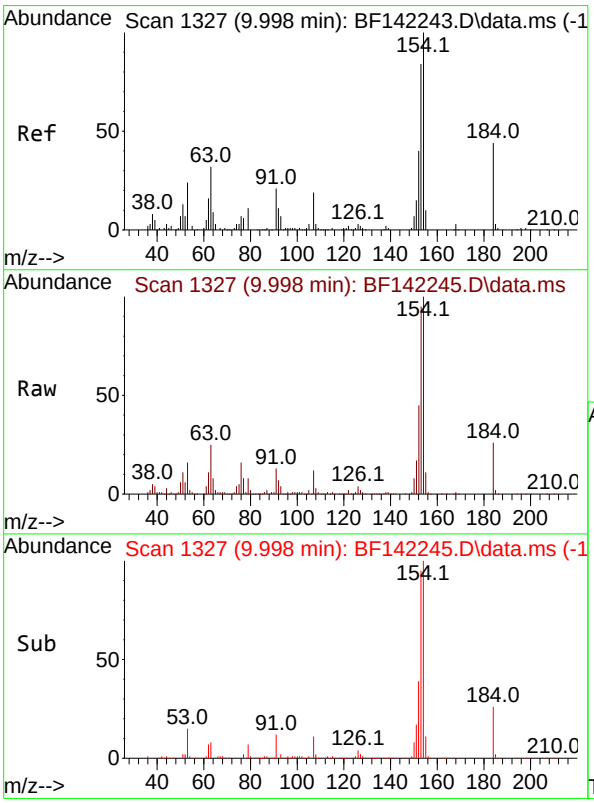
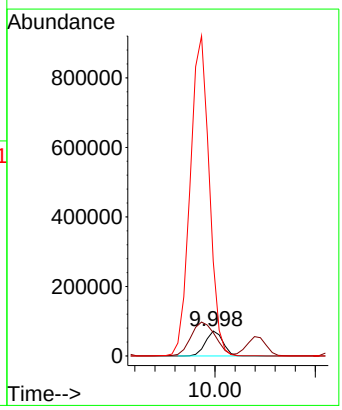


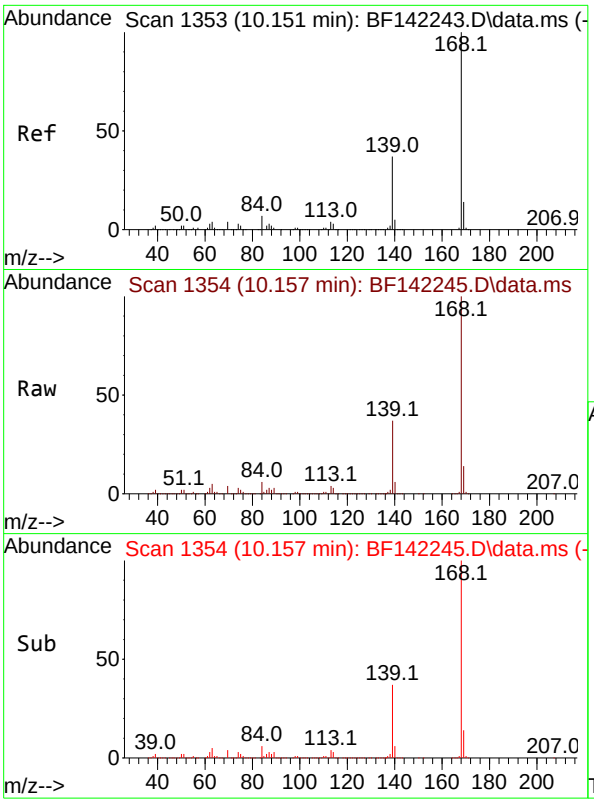


#54
2,4-Dinitrophenol
Concen: 61.133 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:184 Resp: 86520

Ion	Ratio	Lower	Upper
184	100		
63	93.7	69.2	103.8
154	379.9	271.4	407.2

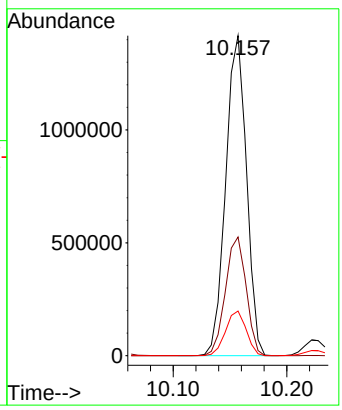




#55
Dibenzofuran
Concen: 55.513 ng
RT: 10.157 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:168 Resp: 179862

Ion	Ratio	Lower	Upper
168	100		
139	37.1	29.4	44.0
169	13.9	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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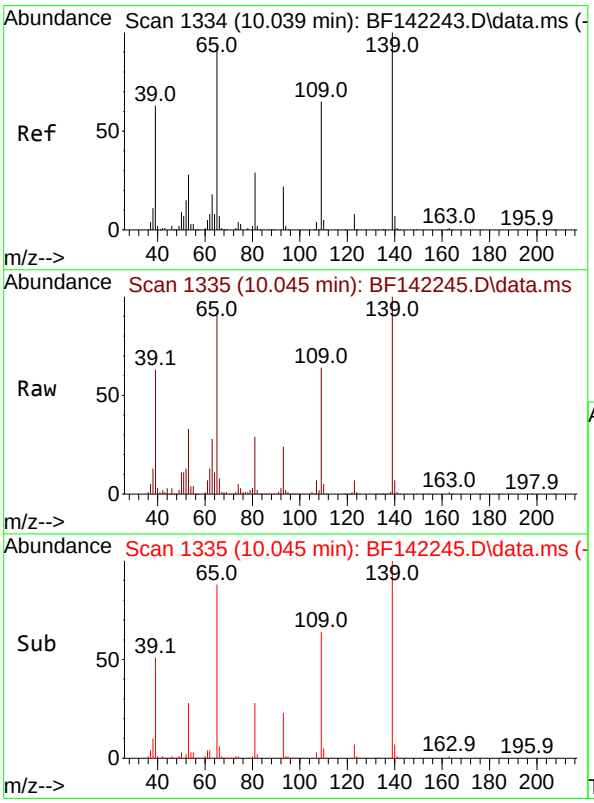
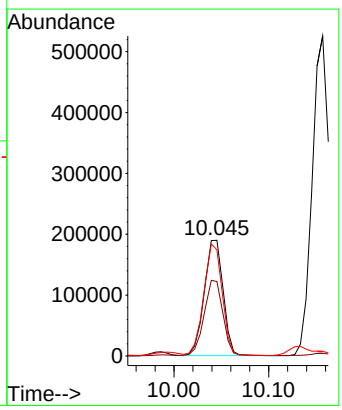
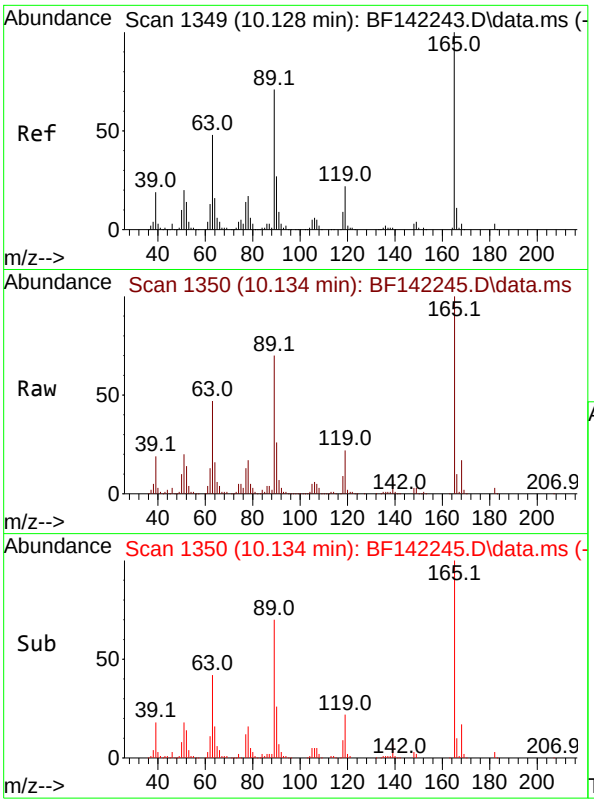


#56
4-Nitrophenol
Concen: 68.694 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:139 Resp: 261987

Ion	Ratio	Lower	Upper
139	100		
109	64.4	44.9	84.9
65	91.8	74.7	114.7

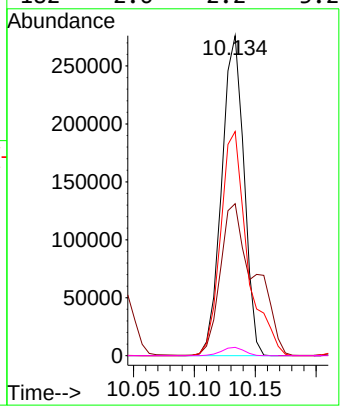




#57
2,4-Dinitrotoluene
Concen: 60.964 ng
RT: 10.134 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:165 Resp: 35200

Ion	Ratio	Lower	Upper
165	100		
63	47.5	38.8	58.2
89	70.1	57.1	85.7
182	2.6	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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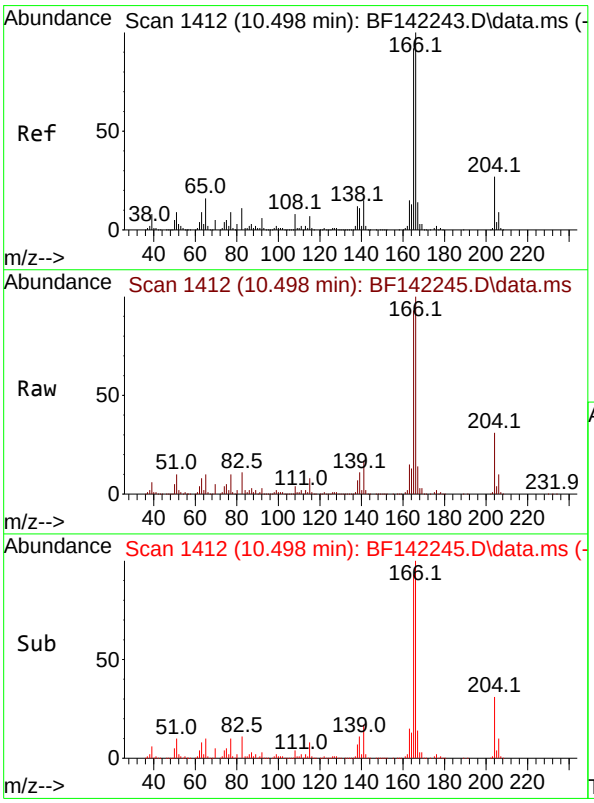
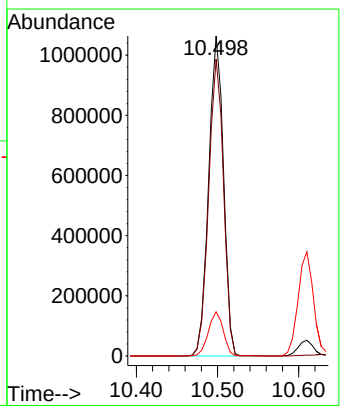
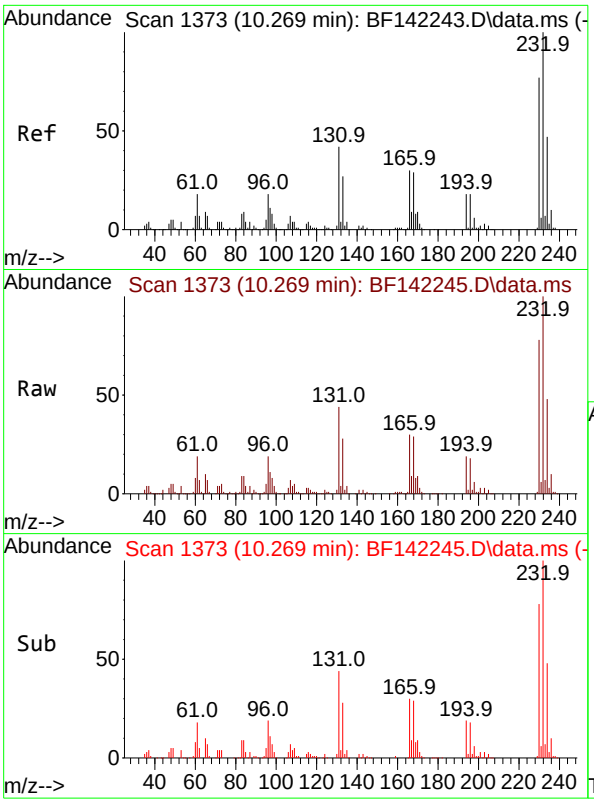


#58
Fluorene
Concen: 54.754 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:166 Resp: 1348902

Ion	Ratio	Lower	Upper
166	100		
165	92.8	73.9	110.9
167	13.8	10.8	16.2

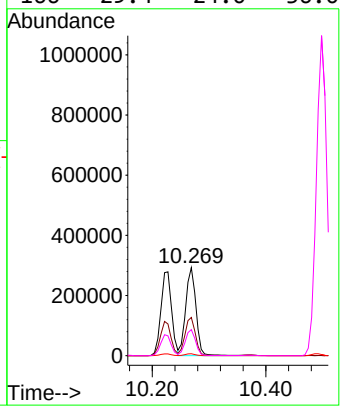




#59
2,3,4,6-Tetrachlorophenol
Concen: 63.765 ng
RT: 10.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:232 Resp: 36731

Ion	Ratio	Lower	Upper
232	100		
131	44.2	35.9	53.9
130	2.2	1.8	2.6
166	29.4	24.0	36.0



Instrument :
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ClientSampleId :
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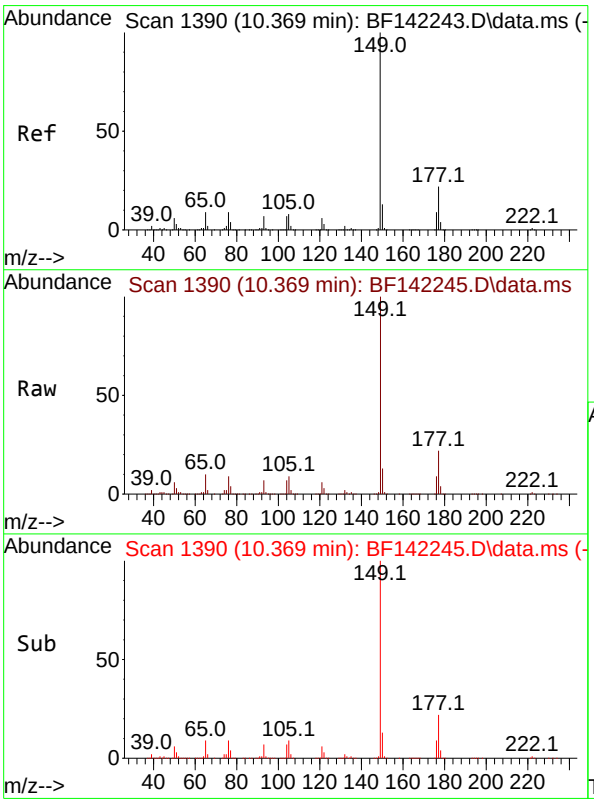
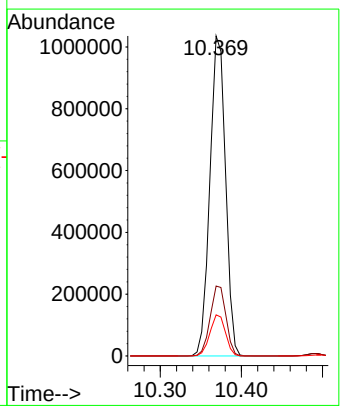
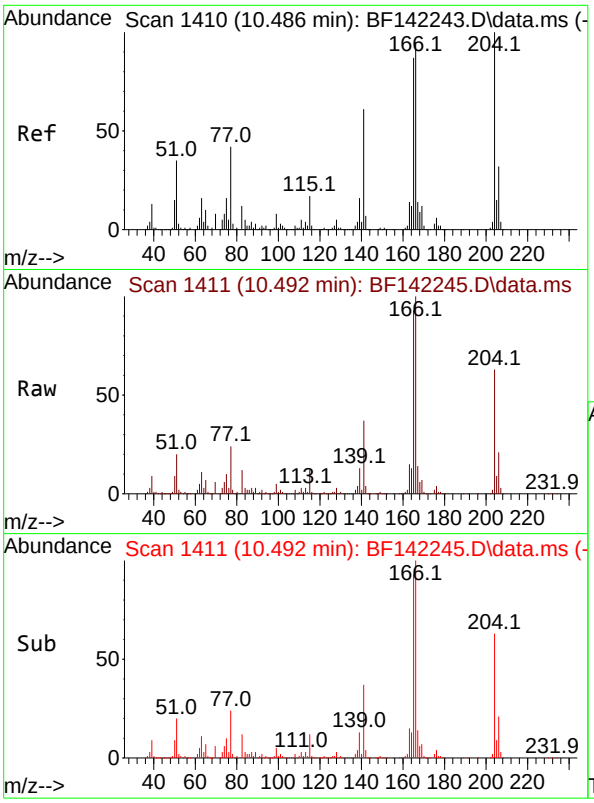


#60
Diethylphthalate
Concen: 57.717 ng
RT: 10.369 min Scan# 1390
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:149 Resp: 1382905

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.6	26.4
150	12.8	10.2	15.2





#61
4-Chlorophenyl-phenylether
Concen: 55.466 ng
RT: 10.492 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 64892

Ion	Ratio	Lower	Upper
204	100		
206	33.2	25.6	38.4
141	58.4	48.9	73.3

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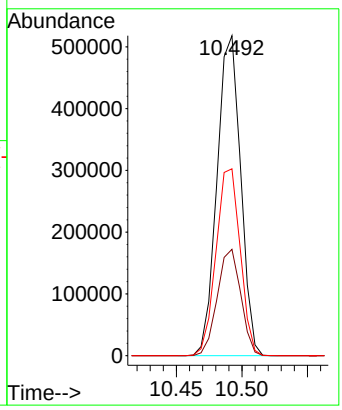
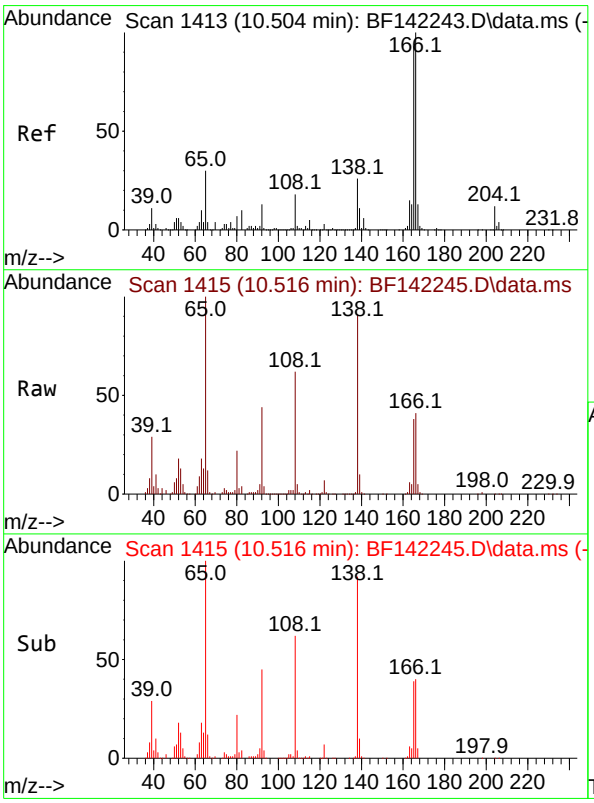
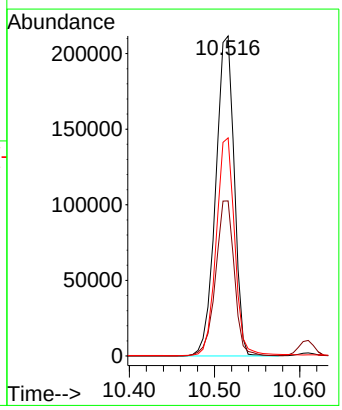


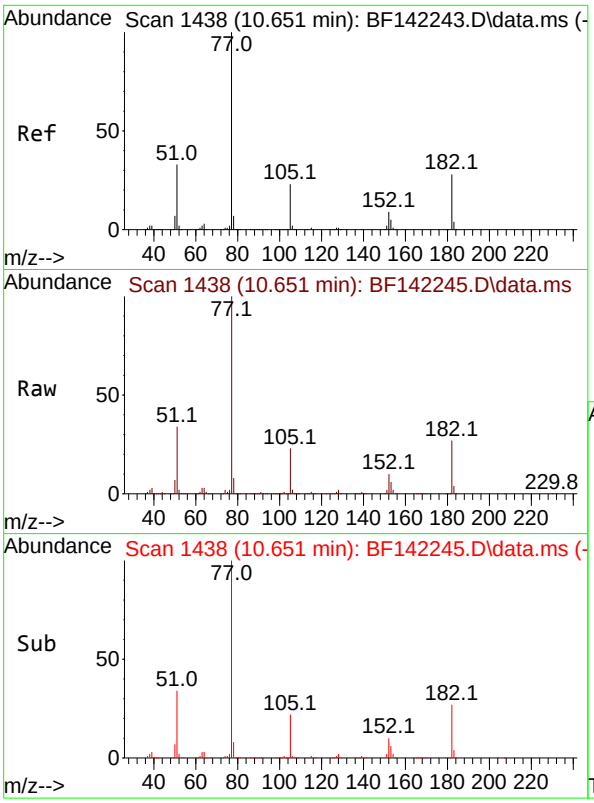


#62
4-Nitroaniline
Concen: 61.243 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.012 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:138 Resp: 319292

Ion	Ratio	Lower	Upper
138	100		
92	48.4	29.2	69.2
108	68.2	49.1	89.1

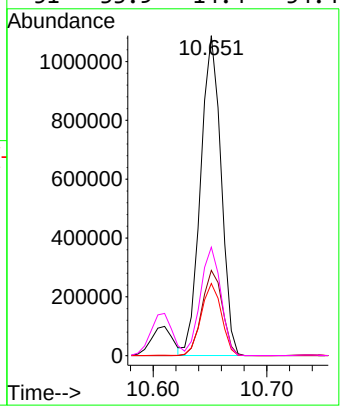




#63
Azobenzene
Concen: 57.603 ng
RT: 10.651 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 77 Resp: 136290

Ion	Ratio	Lower	Upper
77	100		
182	26.7	7.3	47.3
105	22.5	2.5	42.5
51	33.9	14.4	54.4



Instrument :
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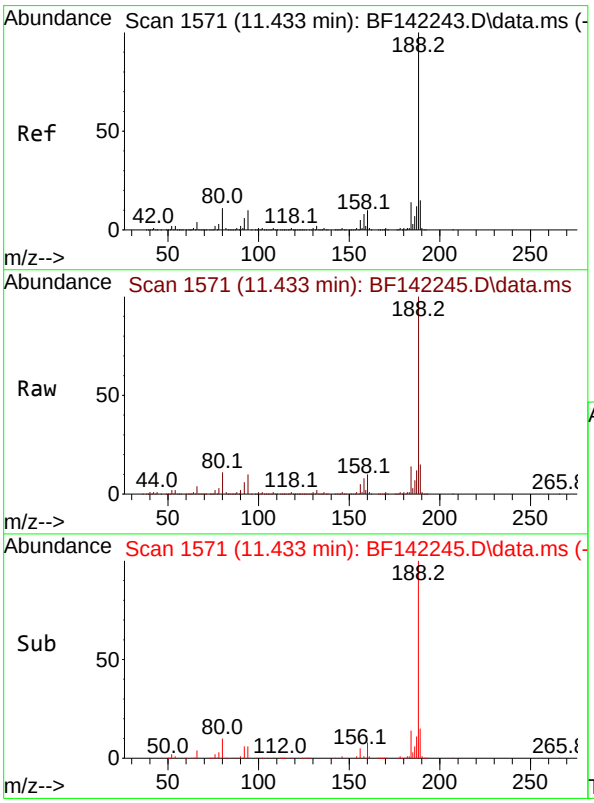
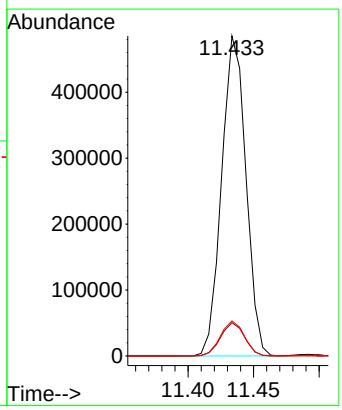
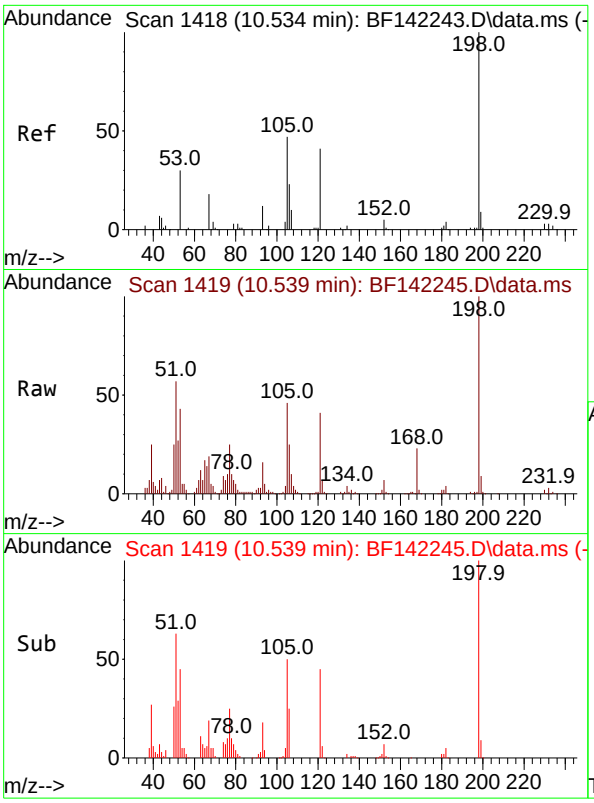


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:188 Resp: 624729

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.2	12.2
80	11.0	8.6	12.8

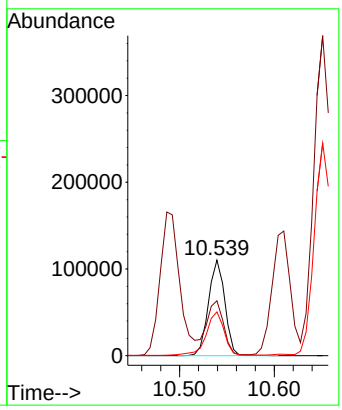




#65
4,6-Dinitro-2-methylphenol
Concen: 60.646 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.005 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:198 Resp: 13218

Ion	Ratio	Lower	Upper
198	100		
51	57.5	40.6	80.6
105	45.8	29.2	69.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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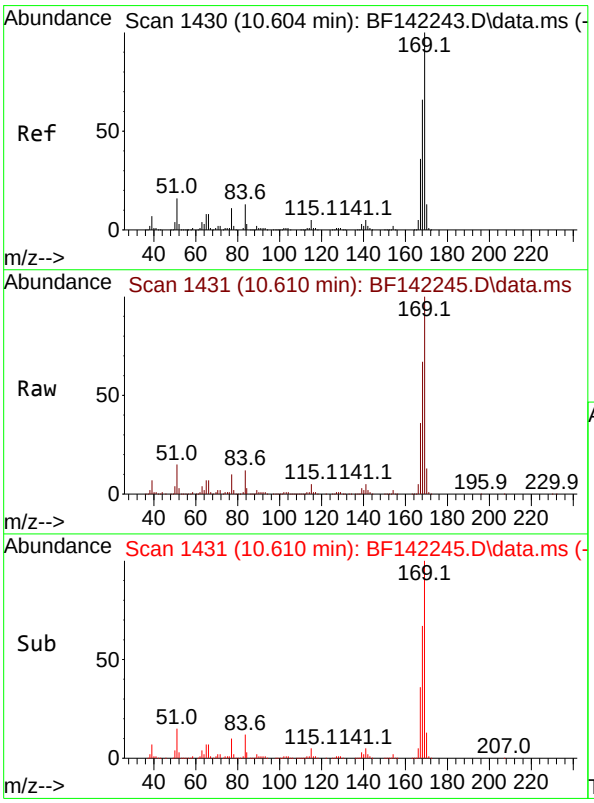
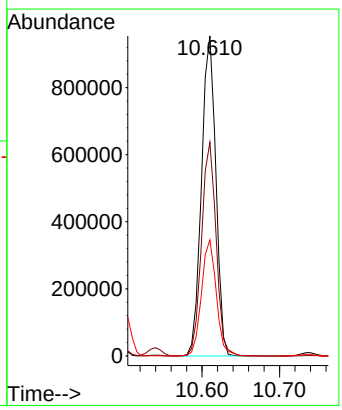
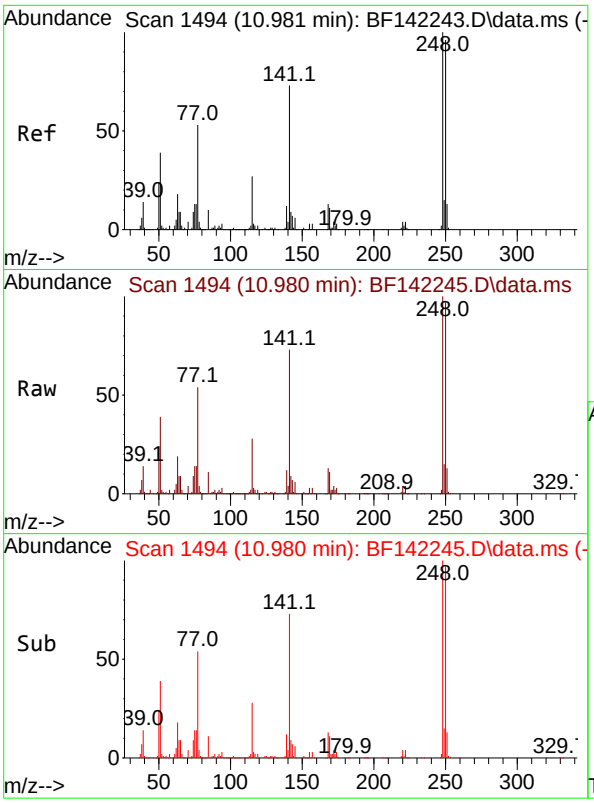


#66
n-Nitrosodiphenylamine
Concen: 57.351 ng
RT: 10.610 min Scan# 1431
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:169 Resp: 1224189

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.0	79.6
167	36.3	28.8	43.2





#67
4-Bromophenyl-phenylether
Concen: 59.371 ng
RT: 10.980 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:248 Resp: 41306

Ion	Ratio	Lower	Upper
248	100		
250	97.0	77.2	115.8
141	73.0	58.4	87.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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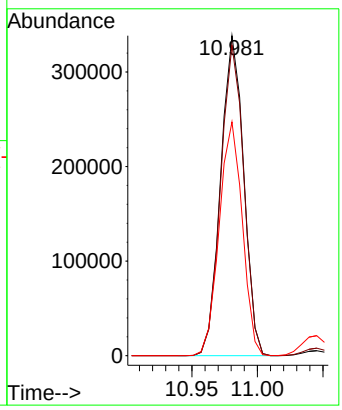
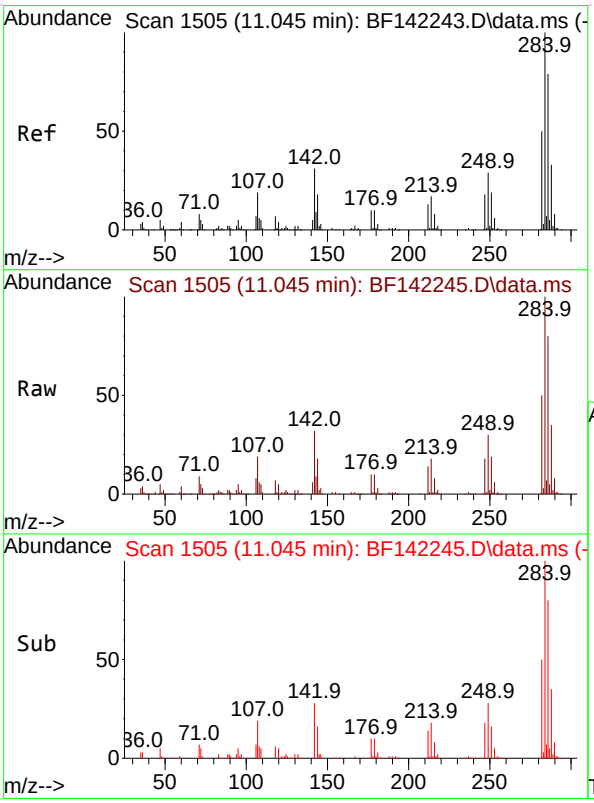
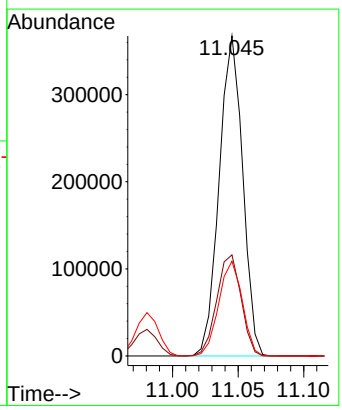


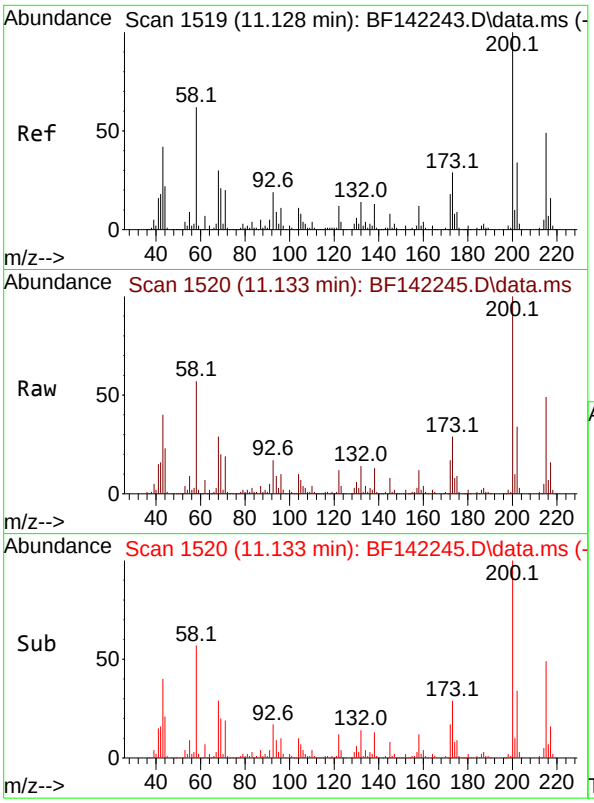


#68
Hexachlorobenzene
Concen: 58.689 ng
RT: 11.045 min Scan# 1505
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:284 Resp: 457317

Ion	Ratio	Lower	Upper
284	100		
142	31.6	24.6	37.0
249	29.6	23.2	34.8

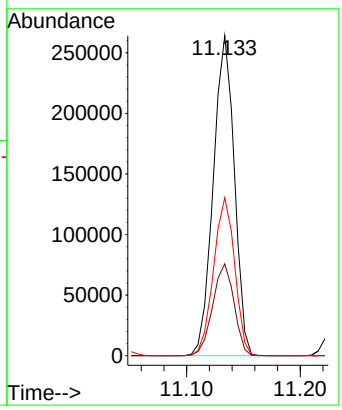




#69
Atrazine
Concen: 60.513 ng
RT: 11.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:200 Resp: 34047

Ion	Ratio	Lower	Upper
200	100		
173	28.7	8.6	48.6
215	49.3	28.5	68.5



Instrument :
BNA_F
ClientSampleId :
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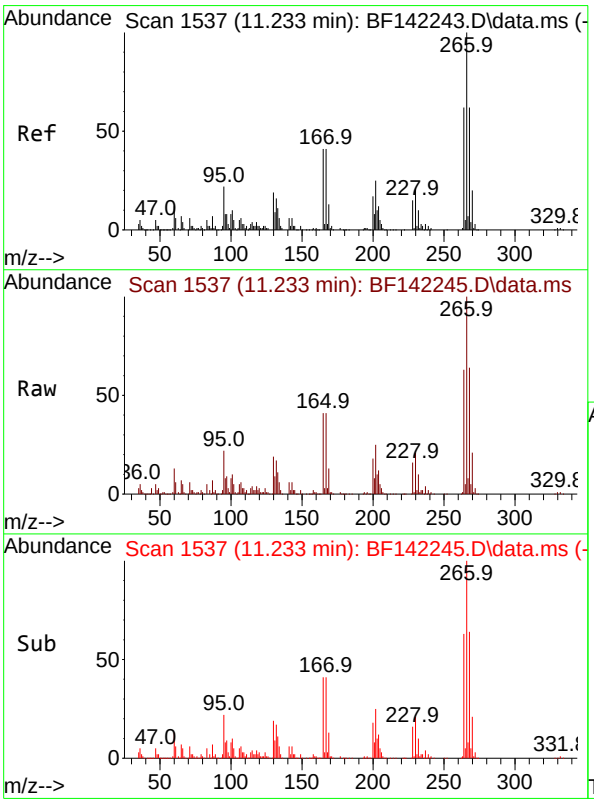
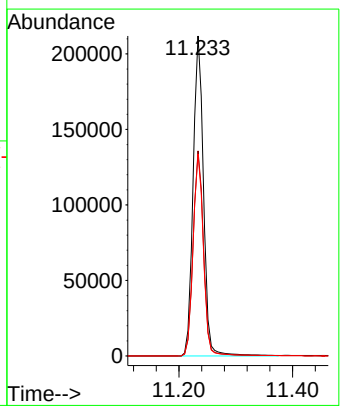
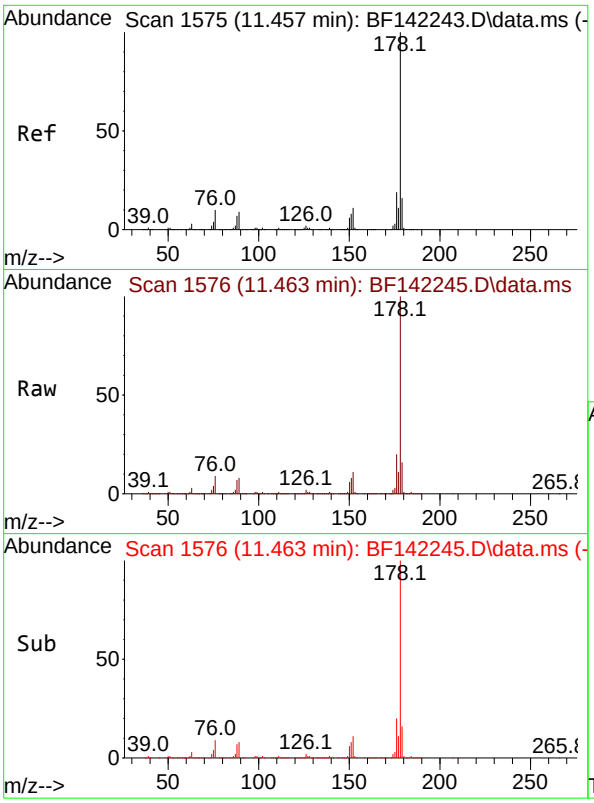


#70
Pentachlorophenol
Concen: 65.710 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:266 Resp: 270497

Ion	Ratio	Lower	Upper
266	100		
268	64.1	50.0	75.0
264	63.1	49.3	73.9

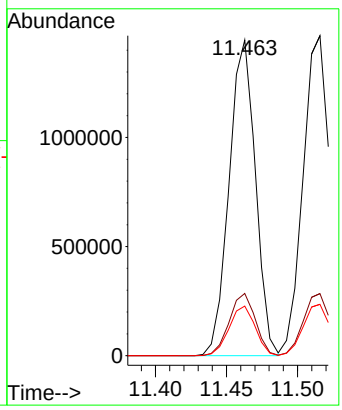




#71
Phenanthrene
Concen: 55.249 ng
RT: 11.463 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:178 Resp: 186441

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.5	23.3
179	15.7	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
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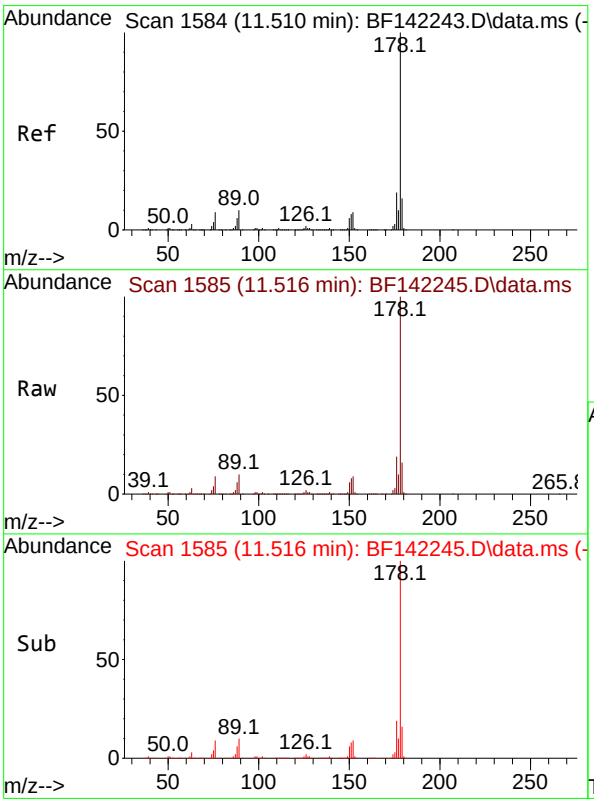
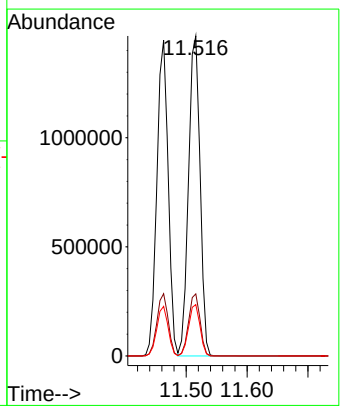
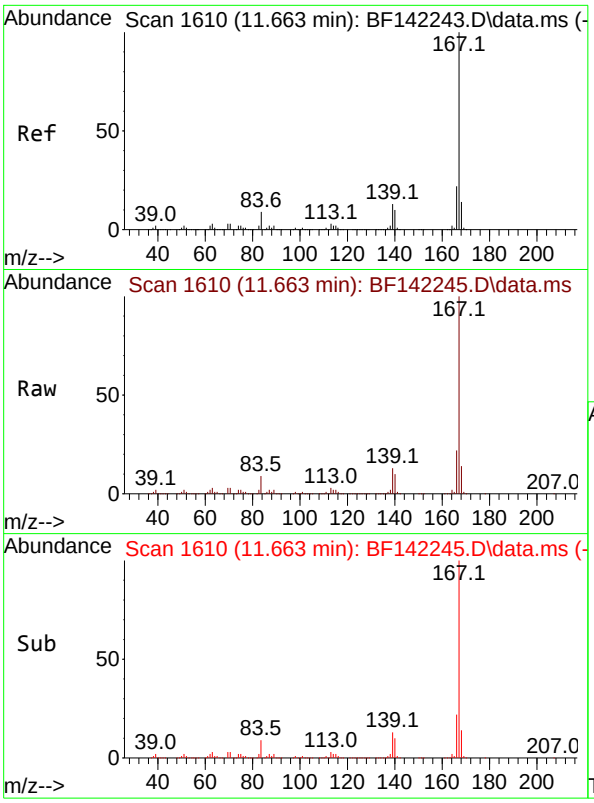


#72
Anthracene
Concen: 55.673 ng
RT: 11.516 min Scan# 1585
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:178 Resp: 1920817

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	16.0	12.7	19.1

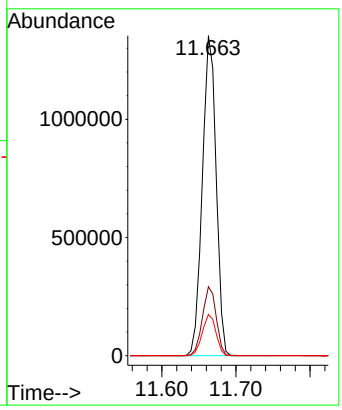




#73
Carbazole
Concen: 55.651 ng
RT: 11.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:167 Resp: 175153

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.3	25.9
139	12.9	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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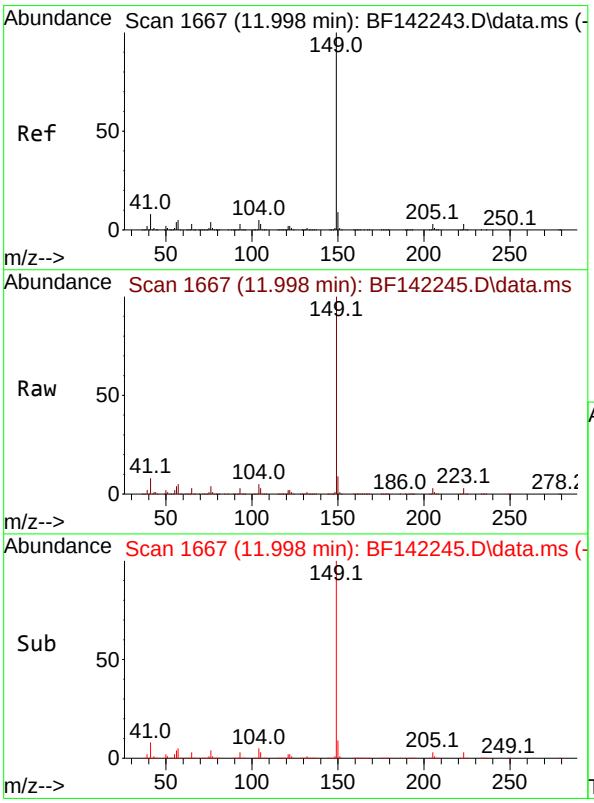
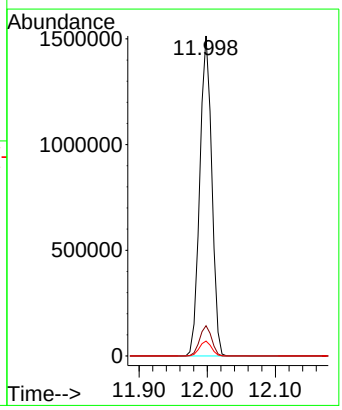
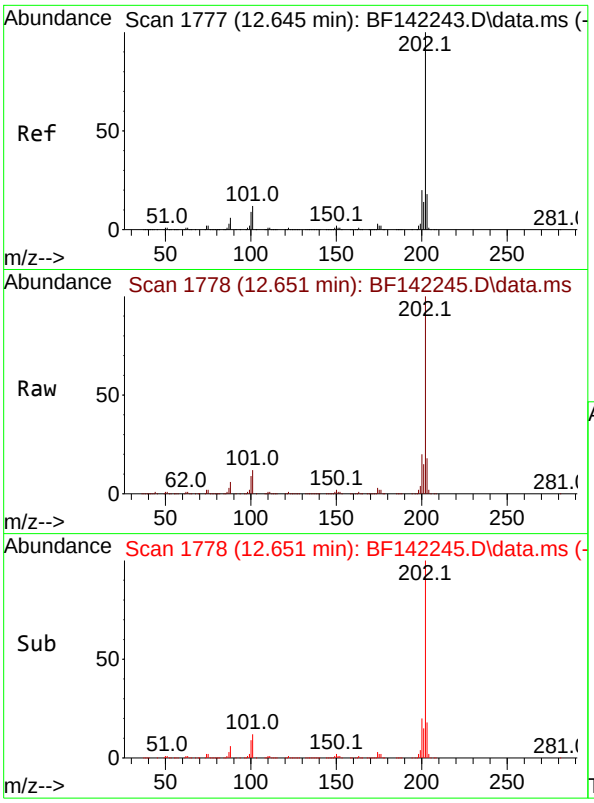


#74
Di-n-butylphthalate
Concen: 58.511 ng
RT: 11.998 min Scan# 1667
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:149 Resp: 1852105

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.5	11.3
104	4.6	3.6	5.4

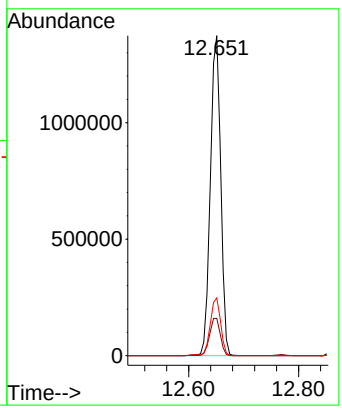




#75
Fluoranthene
Concen: 53.793 ng
RT: 12.651 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:202 Resp: 179442

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	32.4
203	18.0	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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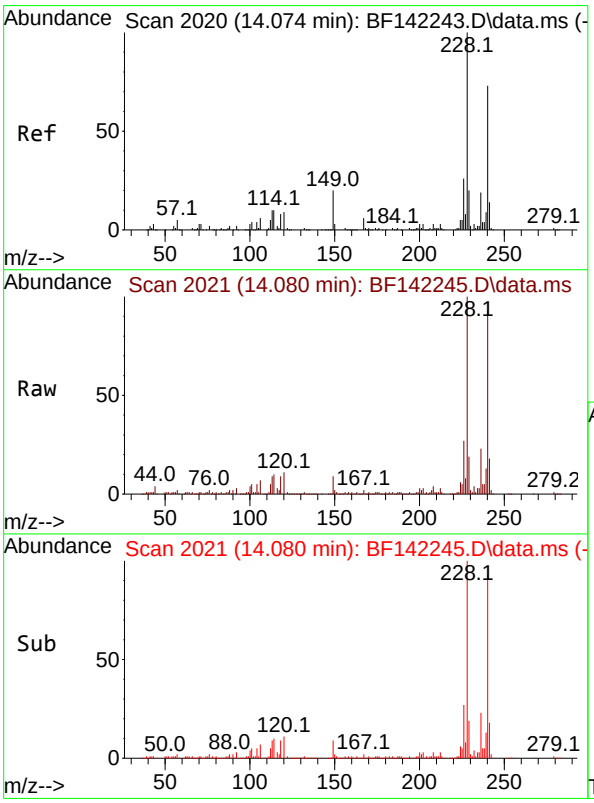
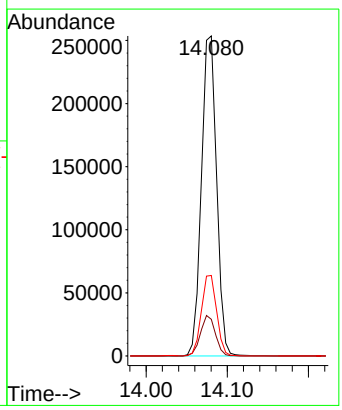
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

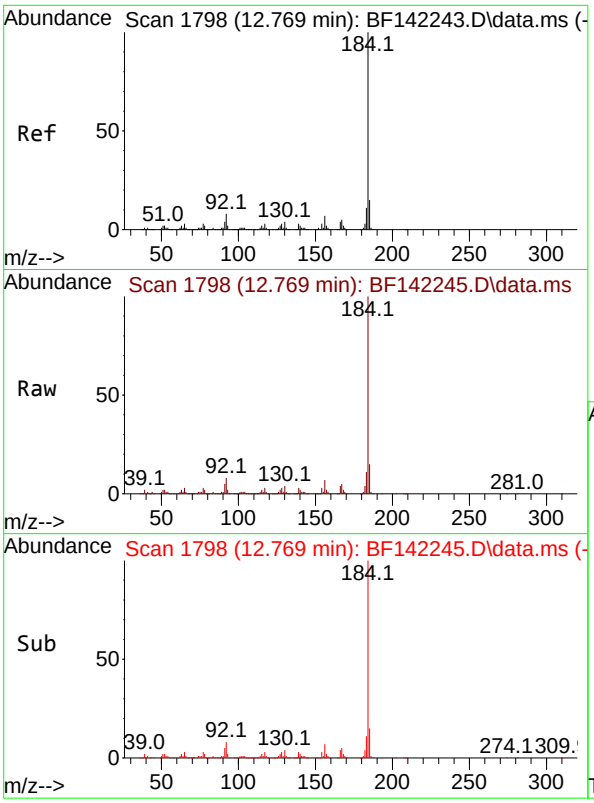


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:240 Resp: 328990

Ion	Ratio	Lower	Upper
240	100		
120	11.4	10.1	15.1
236	25.2	20.5	30.7

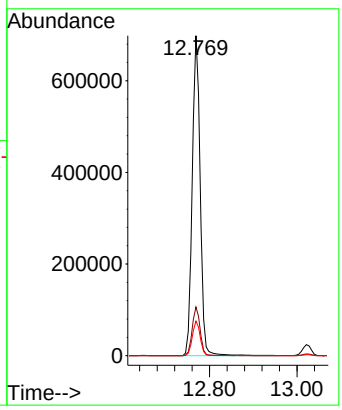




#77
Benzidine
Concen: 63.206 ng
RT: 12.769 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:184 Resp: 88356

Ion	Ratio	Lower	Upper
184	100		
185	15.2	11.8	17.6
183	10.8	8.9	13.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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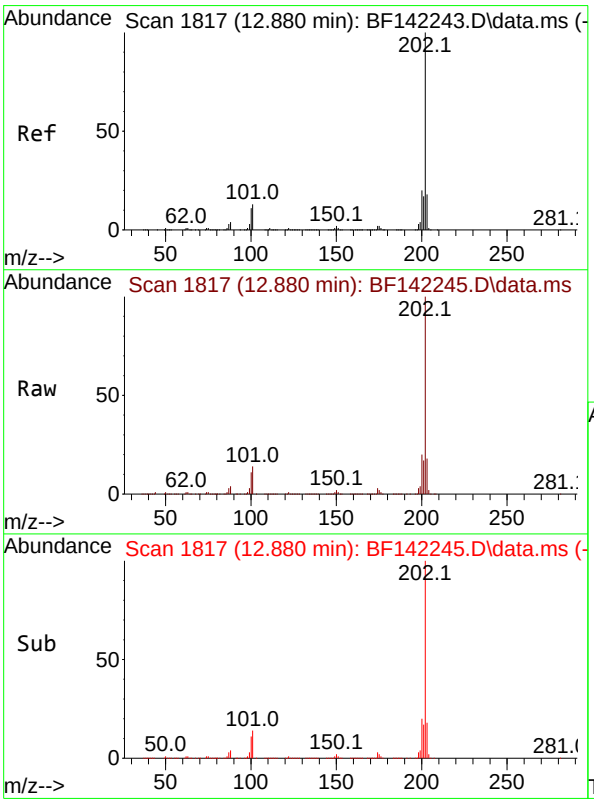
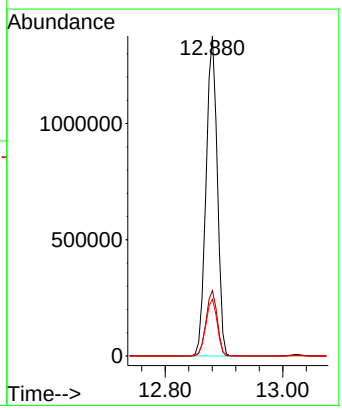
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

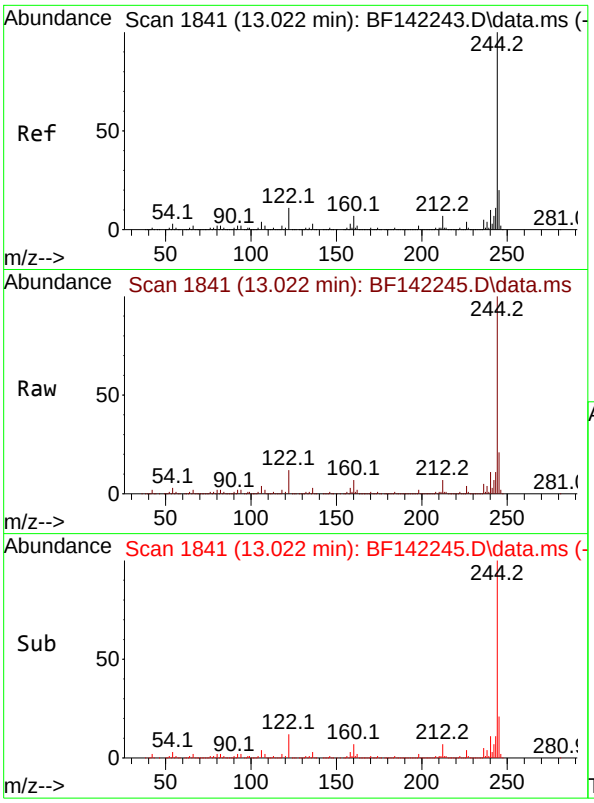


#78
Pyrene
Concen: 59.627 ng
RT: 12.880 min Scan# 1817
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:202 Resp: 1809576

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.1	24.1
203	17.8	14.1	21.1

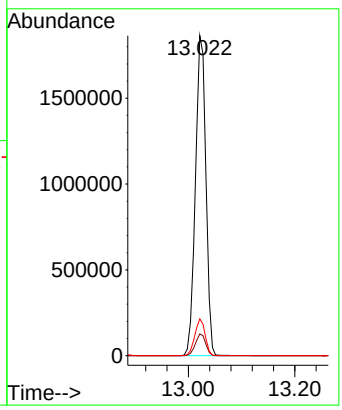




#79
Terphenyl-d14
Concen: 112.585 ng
RT: 13.022 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:244 Resp: 254669

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.3	7.9
122	11.5	9.1	13.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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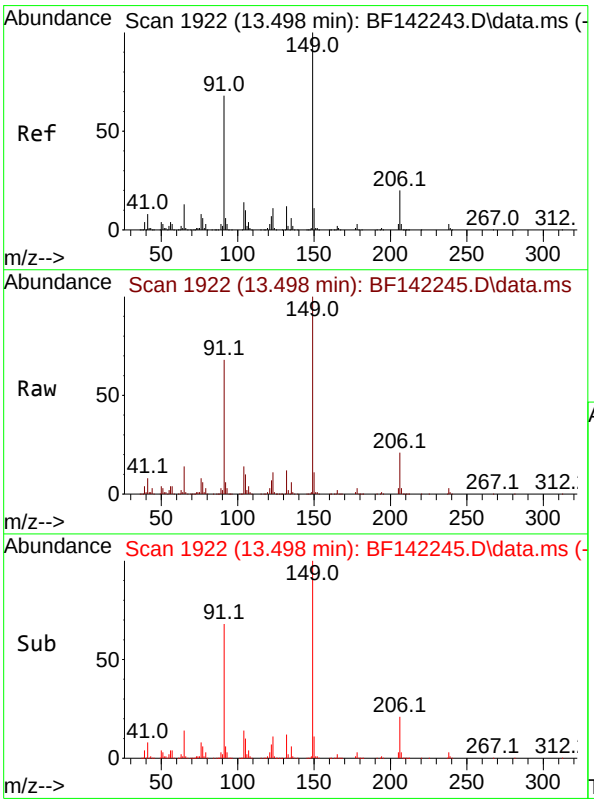
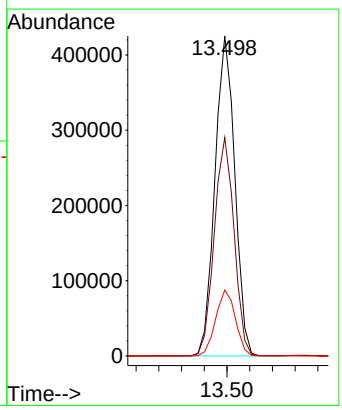
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

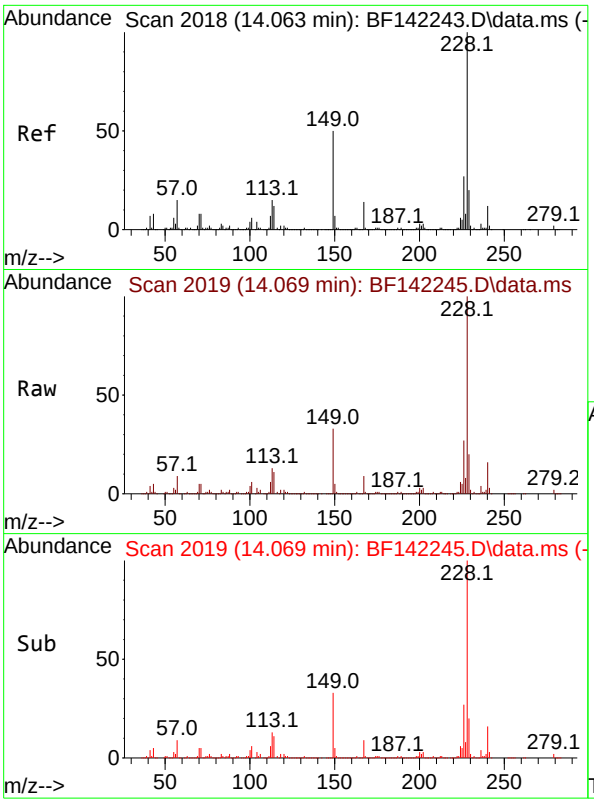


#80
Butylbenzylphthalate
Concen: 61.167 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:149 Resp: 516723

Ion	Ratio	Lower	Upper
149	100		
91	68.3	54.4	81.6
206	20.6	15.9	23.9

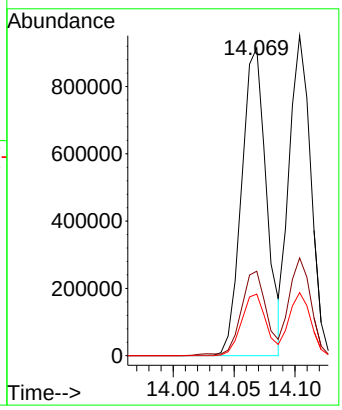




#81
Benzo(a)anthracene
Concen: 58.829 ng
RT: 14.069 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:228 Resp: 129927

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.9	32.9
229	20.0	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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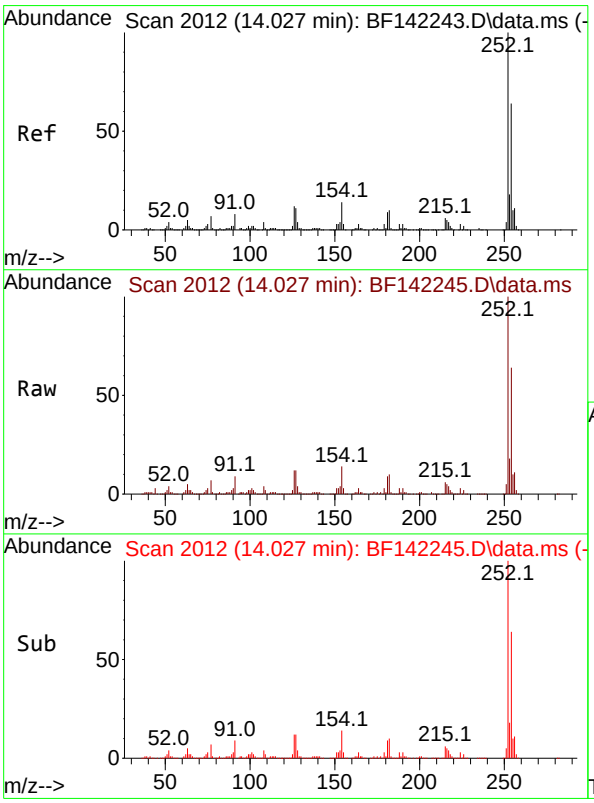
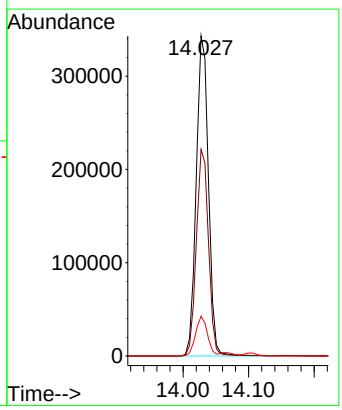
Supervised By :Jagrut Upadhyay 05/01/2025

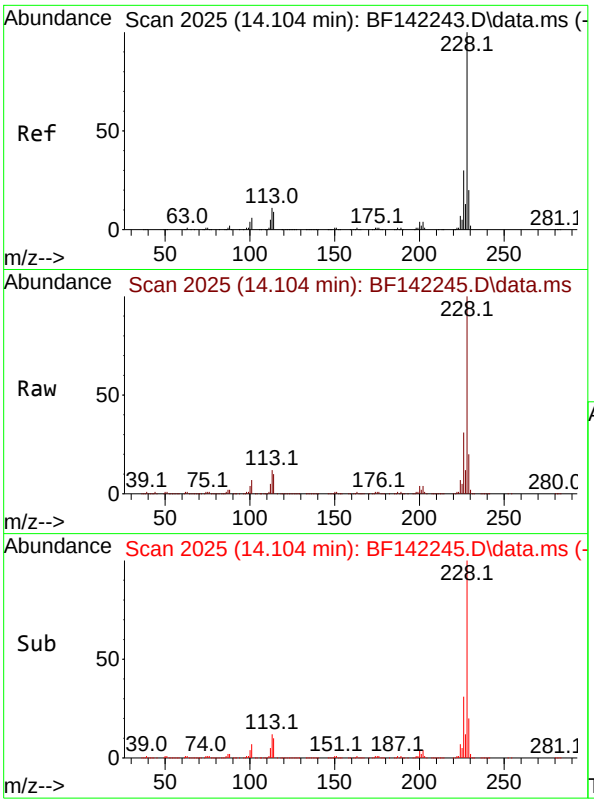


#82
3,3'-Dichlorobenzidine
Concen: 68.582 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:252 Resp: 444901

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.0	76.6
126	12.4	9.4	14.2

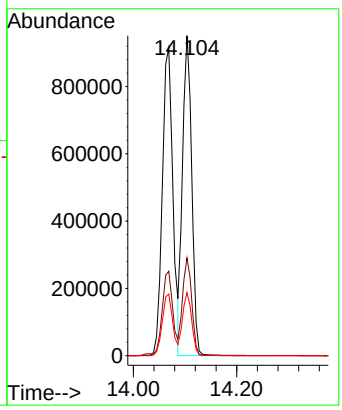




#83
Chrysene
Concen: 58.781 ng
RT: 14.104 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:228 Resp: 118172

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.0	36.0
229	19.7	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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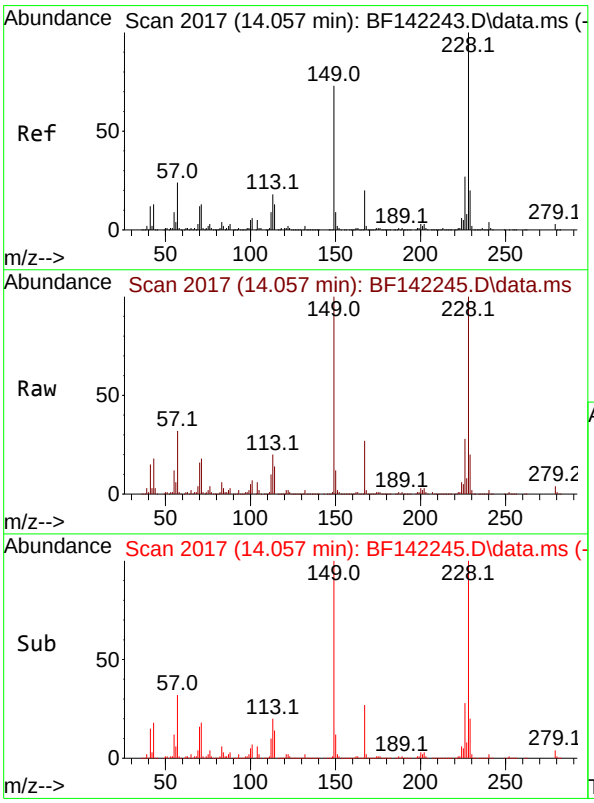
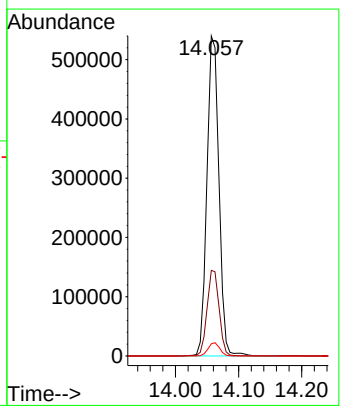
Supervised By :Jagrut Upadhyay 05/01/2025

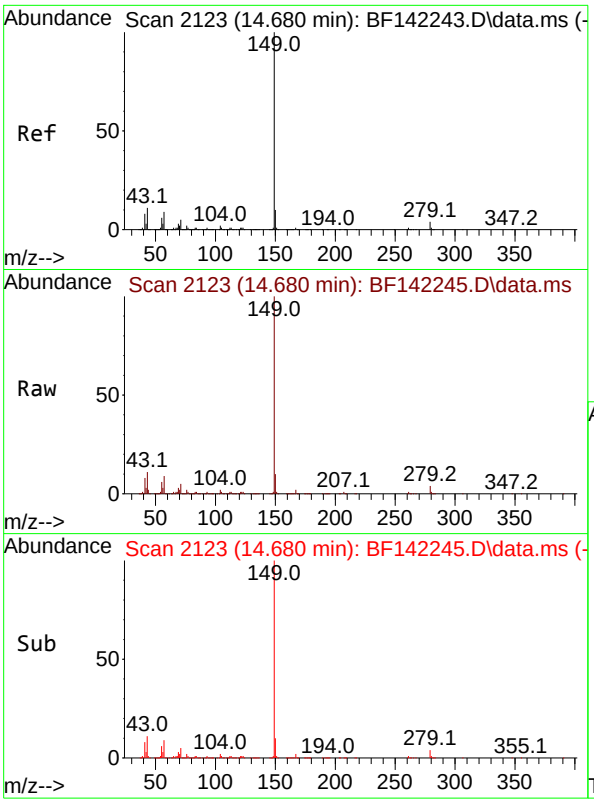


#84
Bis(2-ethylhexyl)phthalate
Concen: 61.002 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:149 Resp: 712716

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.7	32.5
279	3.8	3.0	4.4

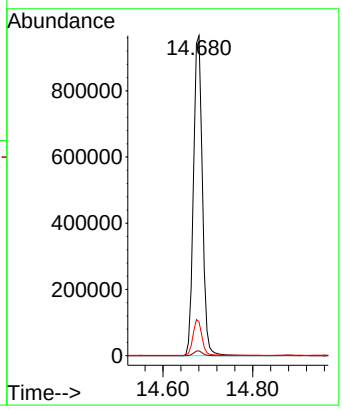




#85
Di-n-octyl phthalate
Concen: 61.204 ng
RT: 14.680 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:149 Resp: 132973

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	11.3	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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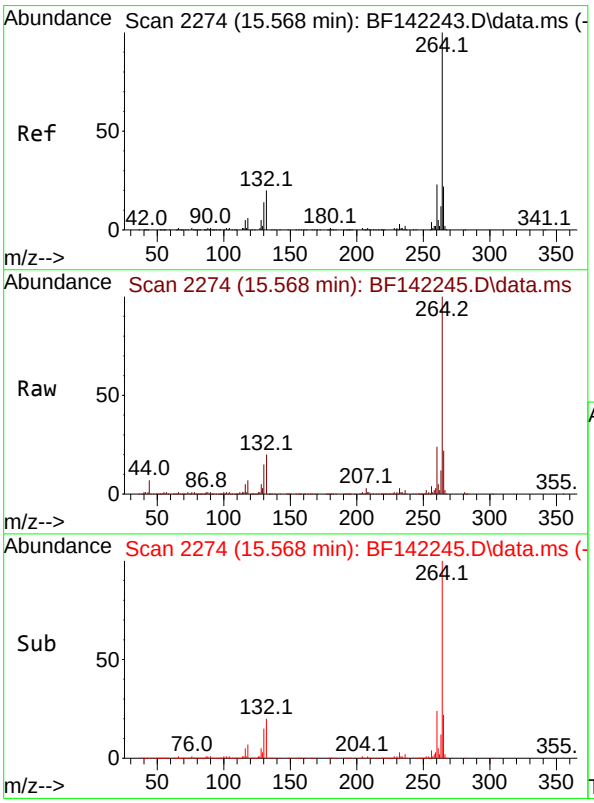
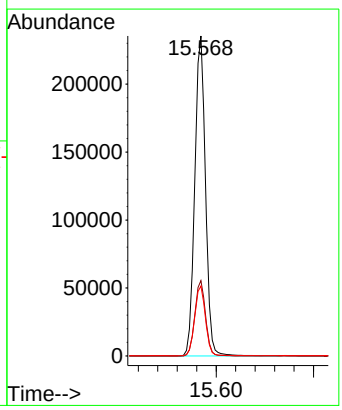
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

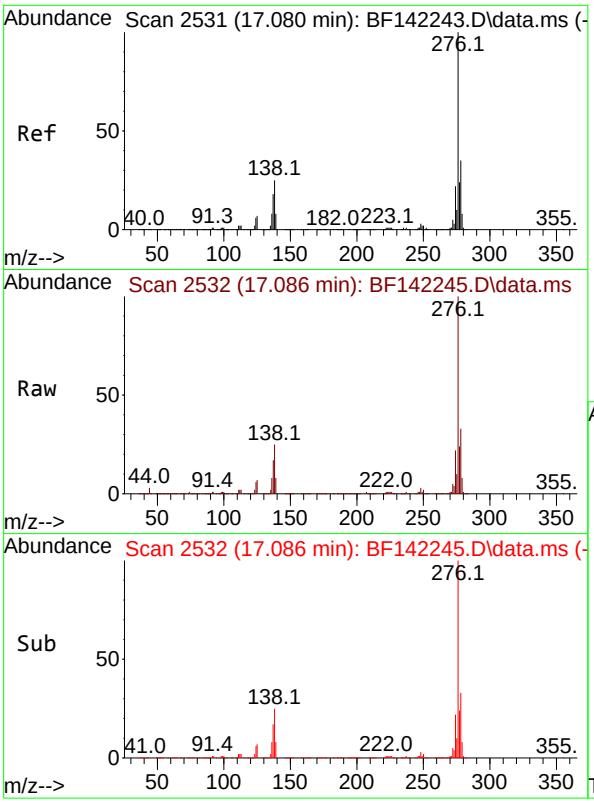


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:264 Resp: 361305

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.4	27.6
265	21.9	17.3	25.9

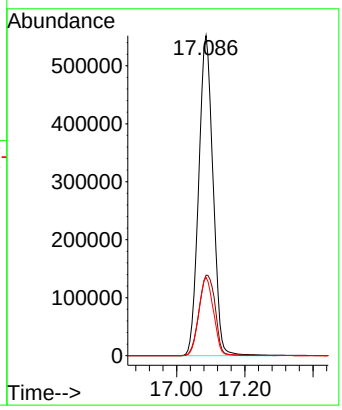




#87
Indeno(1,2,3-cd)pyrene
Concen: 61.012 ng
RT: 17.086 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:276 Resp: 161465

Ion	Ratio	Lower	Upper
276	100		
138	28.5	22.6	33.8
277	25.1	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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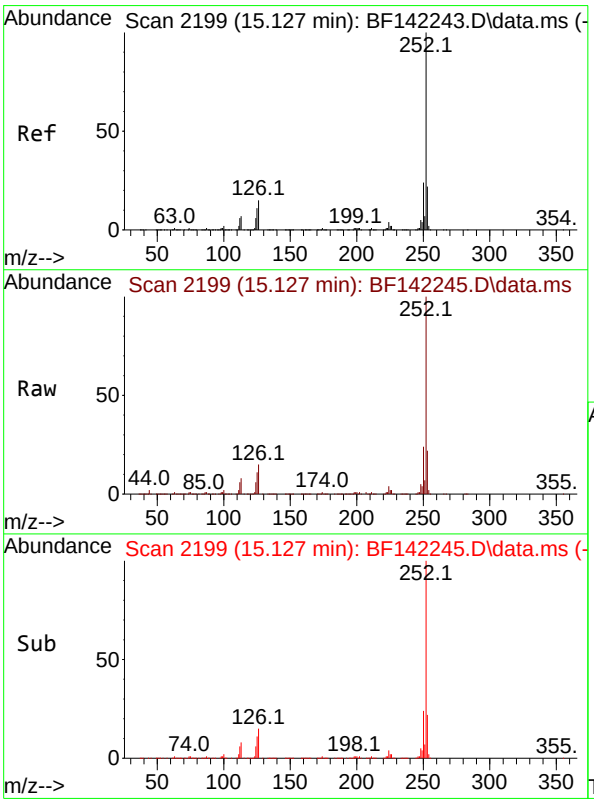
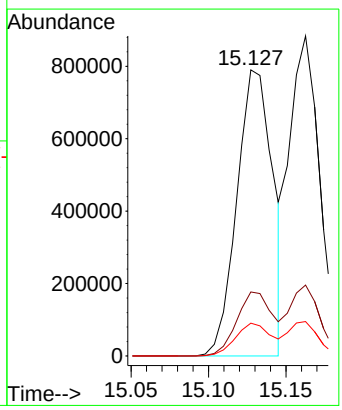
Supervised By :Jagrut Upadhyay 05/01/2025

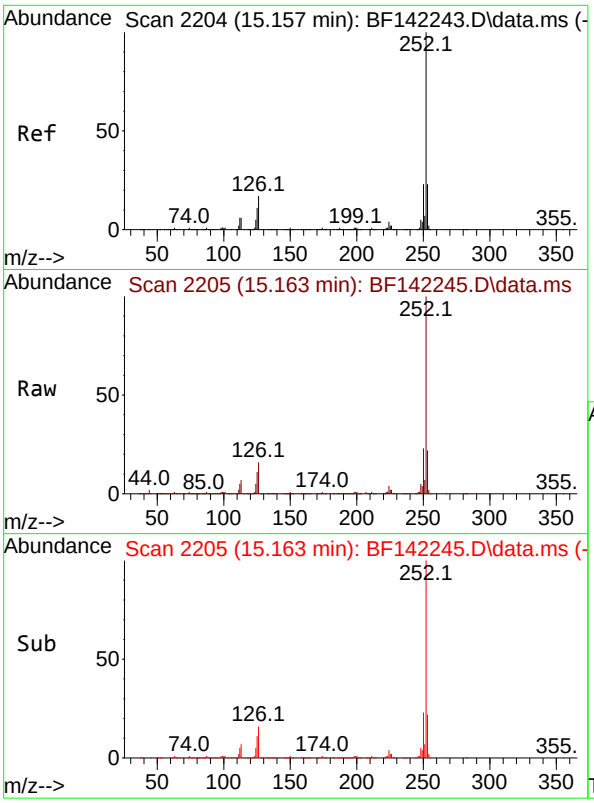


#88
Benzo(b)fluoranthene
Concen: 56.836 ng
RT: 15.127 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:252 Resp: 1275552

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	11.5	9.0	13.4

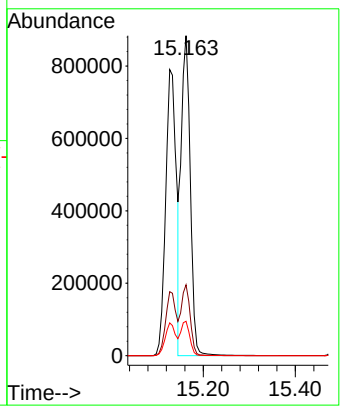




#89
Benzo(k)fluoranthene
Concen: 58.601 ng
RT: 15.163 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:252 Resp: 120295

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	10.8	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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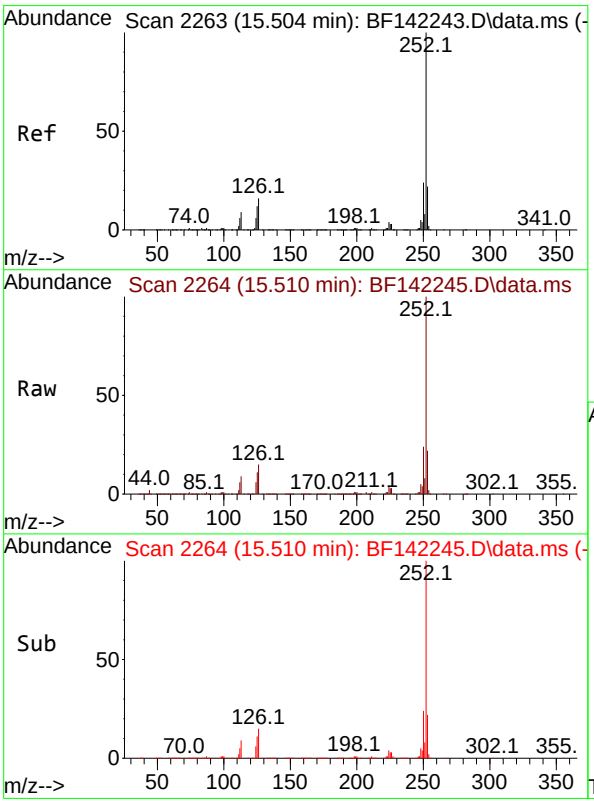
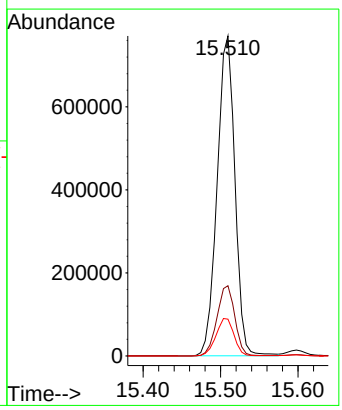
Supervised By :Jagrut Upadhyay 05/01/2025

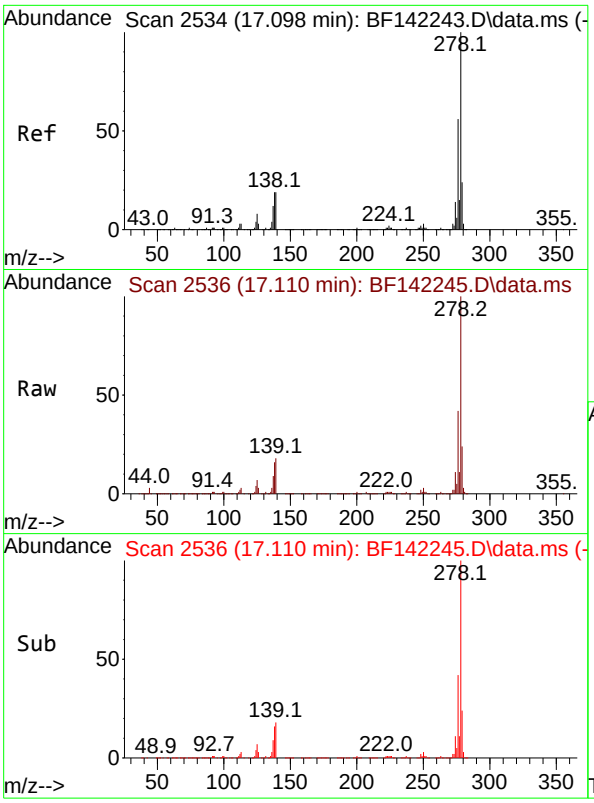


#90
Benzo(a)pyrene
Concen: 59.982 ng
RT: 15.510 min Scan# 2264
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:252 Resp: 1232454

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	11.5	9.5	14.3

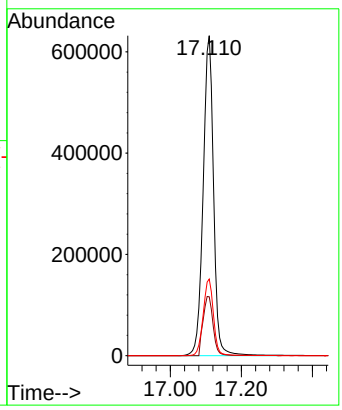




#91
Dibenzo(a,h)anthracene
Concen: 60.163 ng
RT: 17.110 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:278 Resp: 129221

Ion	Ratio	Lower	Upper
278	100		
139	18.4	15.2	22.8
279	23.9	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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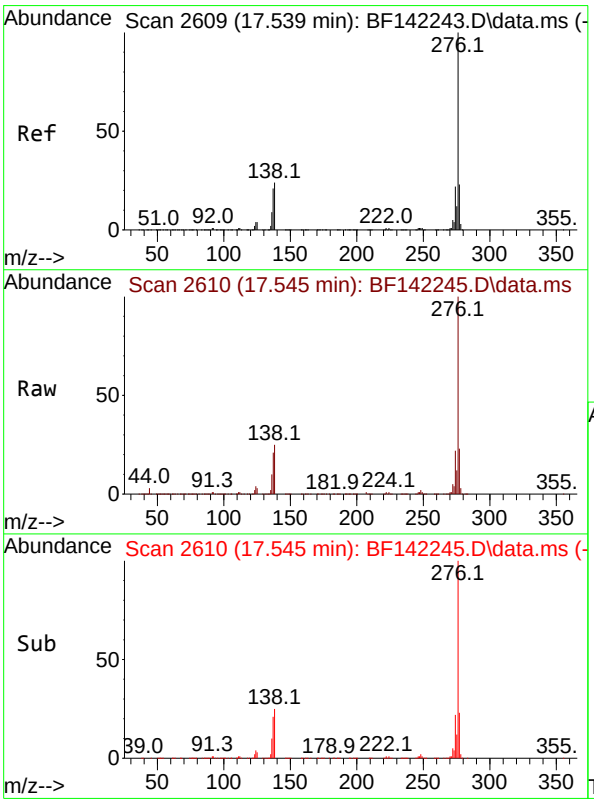
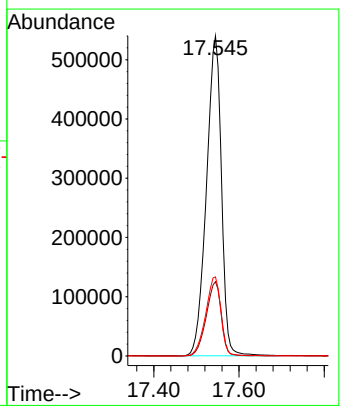
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025



#92
Benzo(g,h,i)perylene
Concen: 60.904 ng
RT: 17.545 min Scan# 2610
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:276 Resp: 1315066

Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.7	28.1
138	24.7	19.4	29.0



Quantitation Report (QT Reviewed)

ICAL Form

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Acq On : 30 Apr 2025 14:43
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 30 15:46:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.910	152	192490	20.000	ng		0.00
21) Naphthalene-d8	8.192	136	730774	20.000	ng		0.00
39) Acenaphthene-d10	9.951	164	381378	20.000	ng		0.00
64) Phenanthrene-d10	11.433	188	608907	20.000	ng		0.00
76) Chrysene-d12	14.080	240	323925	20.000	ng		0.00
86) Perylene-d12	15.568	264	374102	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.522	112	1741015	144.449	ng		0.00
7) Phenol-d6	6.534	99	2109624	144.946	ng		0.00
23) Nitrobenzene-d5	7.481	82	1929643	173.477	ng		0.00
42) 2,4,6-Tribromophenol	10.739	330	579431	166.657	ng		0.00
45) 2-Fluorobiphenyl	9.275	172	3399868	125.694	ng		0.00
79) Terphenyl-d14	13.027	244	2993632	134.413	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.699	88	408111	75.816	ng		99
3) Pyridine	3.469	79	1062667	75.959	ng		99
4) n-Nitrosodimethylamine	3.434	42	562539	77.702	ng		98
6) Aniline	6.575	93	1525082	74.030	ng		99
8) 2-Chlorophenol	6.692	128	942996	75.716	ng		99
9) Benzaldehyde	6.463	77	673391	66.197	ng		99
10) Phenol	6.551	94	1130209m	72.134	ng		
11) bis(2-Chloroethyl)ether	6.651	93	871905	71.808	ng		99
12) 1,3-Dichlorobenzene	6.851	146	1000058	70.979	ng		99
13) 1,4-Dichlorobenzene	6.928	146	997448	70.267	ng		99
14) 1,2-Dichlorobenzene	7.081	146	966587	71.326	ng		99
15) Benzyl Alcohol	7.051	79	787715	76.310	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.186	45	1573151	71.749	ng		99
17) 2-Methylphenol	7.157	107	757239	74.219	ng		100
18) Hexachloroethane	7.428	117	347325	74.757	ng		99
19) n-Nitroso-di-n-propyla...	7.334	70	650174	72.291	ng		99
20) 3+4-Methylphenols	7.316	107	897475	70.340	ng	#	87
22) Acetophenone	7.328	105	1180939	69.853	ng		97
24) Nitrobenzene	7.498	77	917286	84.046	ng		100
25) Isophorone	7.739	82	1758014	75.306	ng		99
26) 2-Nitrophenol	7.810	139	416387	79.254	ng		98
27) 2,4-Dimethylphenol	7.839	122	883922	75.098	ng		100
28) bis(2-Chloroethoxy)met...	7.945	93	1070383	72.702	ng		99
29) 2,4-Dichlorophenol	8.045	162	768570	78.103	ng		99
30) 1,2,4-Trichlorobenzene	8.133	180	797476	72.623	ng		100
31) Naphthalene	8.216	128	2508082	68.820	ng		99
32) Benzoic acid	7.969	122	523215m	83.328	ng		
33) 4-Chloroaniline	8.263	127	1084543	71.465	ng		99
34) Hexachlorobutadiene	8.333	225	471301	73.564	ng		100
35) Caprolactam	8.645	113	242414	81.958	ng		97
36) 4-Chloro-3-methylphenol	8.739	107	776483	76.844	ng		99
37) 2-Methylnaphthalene	8.910	142	1559858	69.615	ng		99
38) 1-Methylnaphthalene	9.010	142	1583955	68.237	ng		99
40) 1,2,4,5-Tetrachloroben...	9.075	216	757210	70.548	ng		100
41) Hexachlorocyclopentadiene	9.063	237	523186	85.886	ng		99
43) 2,4,6-Trichlorophenol	9.180	196	545358	81.996	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142246.D
Acq On : 30 Apr 2025 14:43
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Apr 30 15:46:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Manual Integrations APPROVED

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Supervised By :Jagrut Upadhyay 05/01/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	557542	79.732	ng		99
46) 1,1'-Biphenyl	9.375	154	2006955	67.691	ng		99
47) 2-Chloronaphthalene	9.398	162	1547207	70.140	ng		99
48) 2-Nitroaniline	9.486	65	481954	79.390	ng		97
49) Acenaphthylene	9.816	152	2555385	68.650	ng		99
50) Dimethylphthalate	9.675	163	1757977	72.052	ng		99
51) 2,6-Dinitrotoluene	9.733	165	379127	78.246	ng		97
52) Acenaphthene	9.986	154	1517991	69.843	ng		99
53) 3-Nitroaniline	9.904	138	456571	78.061	ng		96
54) 2,4-Dinitrophenol	10.004	184	129817	79.532	ng	#	28
55) Dibenzofuran	10.157	168	2237085	68.664	ng		98
56) 4-Nitrophenol	10.045	139	335015	87.357	ng		97
57) 2,4-Dinitrotoluene	10.133	165	467545	78.915	ng		99
58) Fluorene	10.498	166	1634486	65.980	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.269	232	465050	80.286	ng		99
60) Diethylphthalate	10.375	149	1717661	71.292	ng		99
61) 4-Chlorophenyl-phenyle...	10.492	204	802224	68.190	ng		98
62) 4-Nitroaniline	10.522	138	410928	77.614	ng		98
63) Azobenzene	10.651	77	1674434	70.379	ng		99
65) 4,6-Dinitro-2-methylph...	10.545	198	183184	81.749	ng		96
66) n-Nitrosodiphenylamine	10.610	169	1518420	72.983	ng		99
67) 4-Bromophenyl-phenylether	10.980	248	514462	75.866	ng		97
68) Hexachlorobenzene	11.045	284	577203	75.999	ng		98
69) Atrazine	11.133	200	423886	77.296	ng		99
70) Pentachlorophenol	11.233	266	350009	87.235	ng		99
71) Phenanthrene	11.463	178	2288481	69.578	ng		99
72) Anthracene	11.516	178	2336551	69.482	ng		100
73) Carbazole	11.663	167	2087769	68.058	ng		99
74) Di-n-butylphthalate	11.998	149	2221417	72.002	ng		100
75) Fluoranthene	12.651	202	2137636	65.747	ng		98
77) Benzidine	12.768	184	1049467	76.247	ng		99
78) Pyrene	12.880	202	2118847	70.910	ng		99
80) Butylbenzylphthalate	13.498	149	659574	78.197	ng		98
81) Benzo(a)anthracene	14.068	228	1586778	72.970	ng		100
82) 3,3'-Dichlorobenzidine	14.033	252	563738	88.259	ng		99
83) Chrysene	14.104	228	1474094	74.470	ng		99
84) Bis(2-ethylhexyl)phtha...	14.057	149	915684	78.547	ng		100
85) Di-n-octyl phthalate	14.680	149	1722215	78.594	ng		100
87) Indeno(1,2,3-cd)pyrene	17.092	276	2128475	77.677	ng		99
88) Benzo(b)fluoranthene	15.133	252	1798083	77.378	ng		99
89) Benzo(k)fluoranthene	15.162	252	1439304	67.716	ng		100
90) Benzo(a)pyrene	15.509	252	1610193	75.685	ng		99
91) Dibenzo(a,h)anthracene	17.115	278	1712182	76.989	ng		99
92) Benzo(g,h,i)perylene	17.551	276	1738450	77.757	ng		99

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

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142246.D
Acq On : 30 Apr 2025 14:43
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 30 15:46:52 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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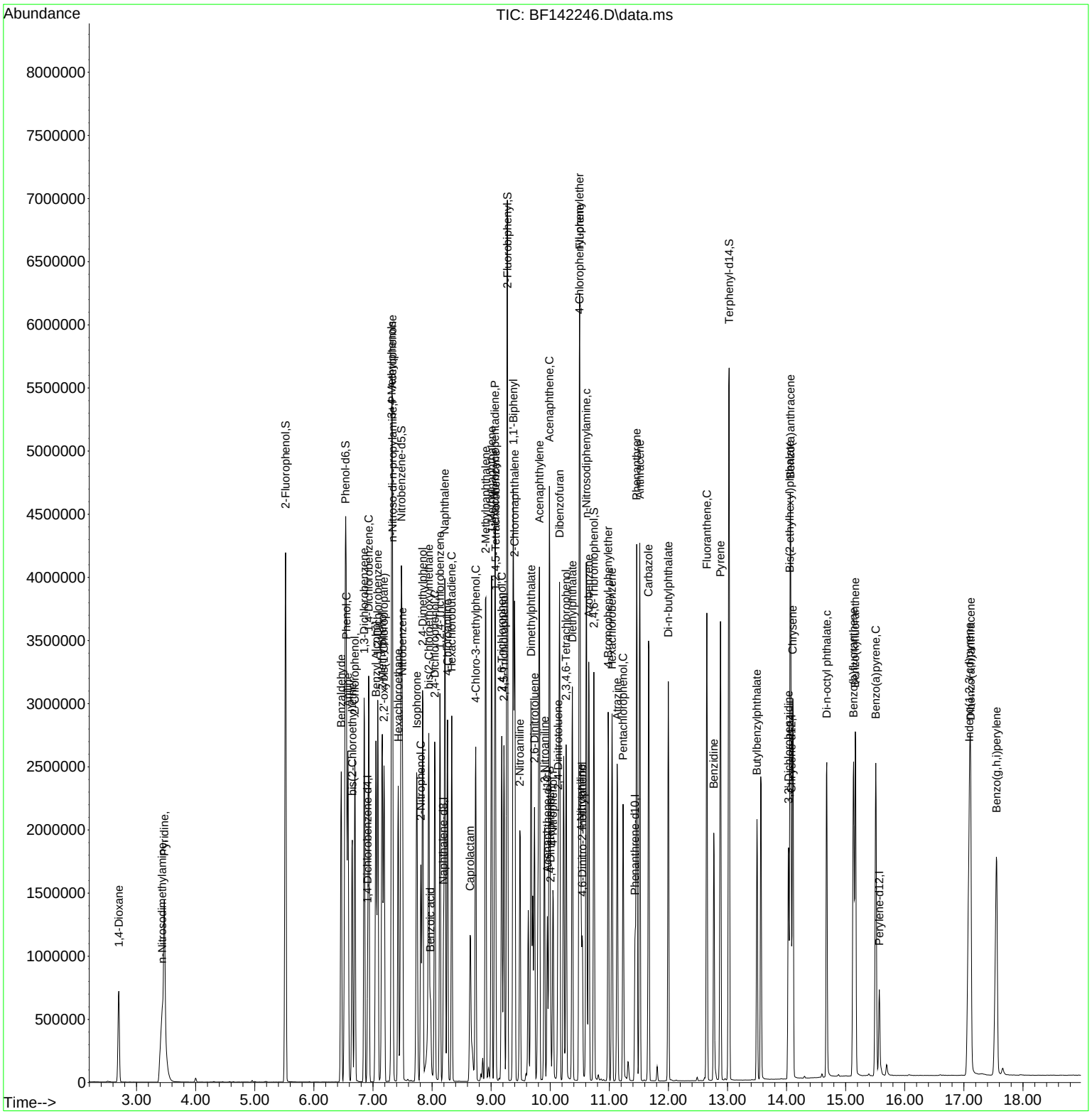
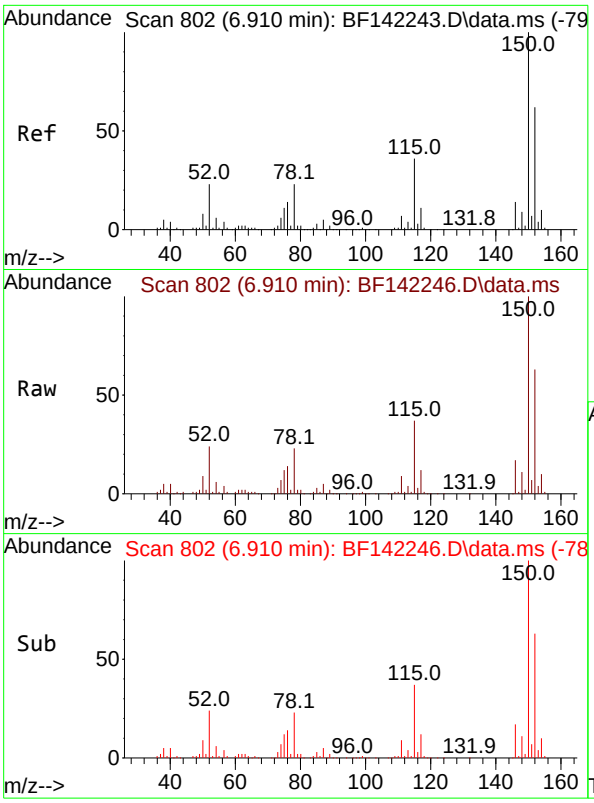
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

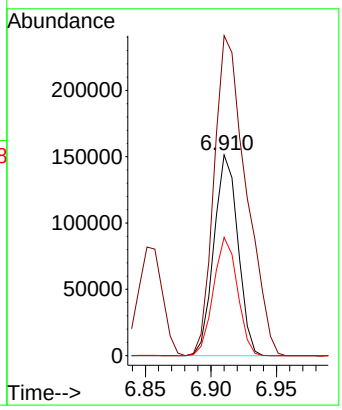




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:152 Resp: 19249

Ion	Ratio	Lower	Upper
152	100		
150	159.4	130.2	195.2
115	58.9	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

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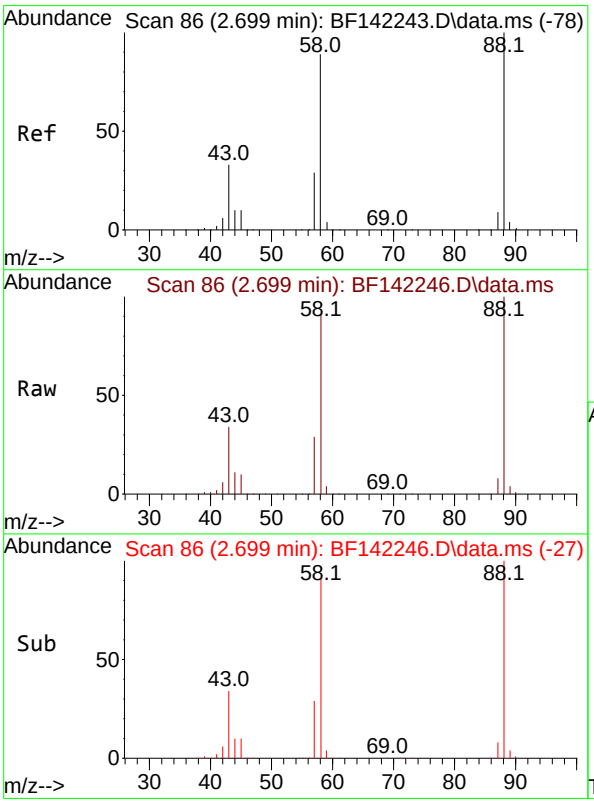
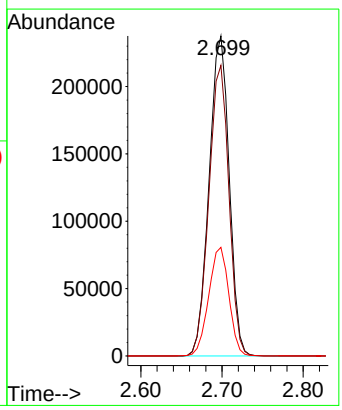
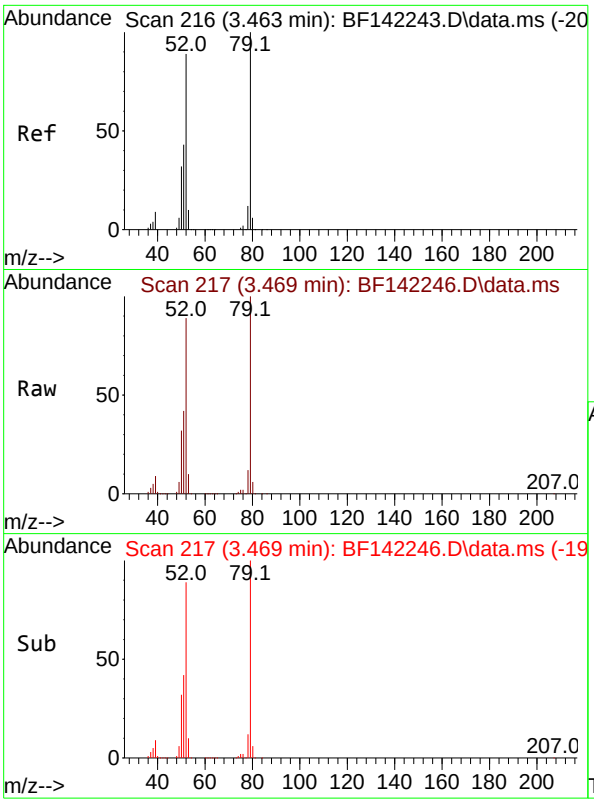


#2
1,4-Dioxane
Concen: 75.816 ng
RT: 2.699 min Scan# 86
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 88 Resp: 408111

Ion	Ratio	Lower	Upper
88	100		
58	90.8	72.2	108.2
43	34.2	27.0	40.6

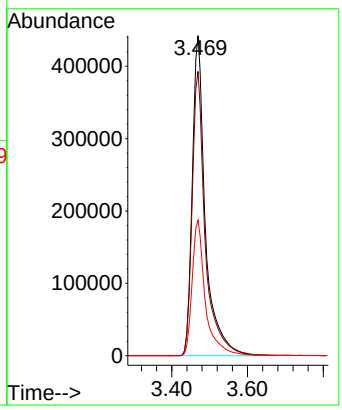




#3
Pyridine
Concen: 75.959 ng
RT: 3.469 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 79 Resp: 106266

Ion	Ratio	Lower	Upper
79	100		
52	88.8	71.5	107.3
51	42.4	34.5	51.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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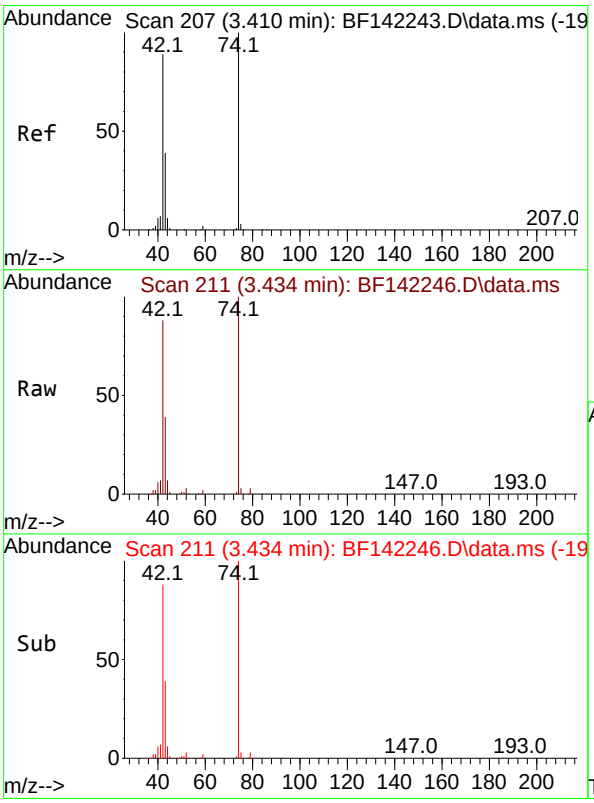
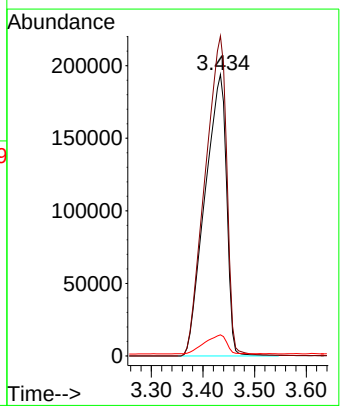
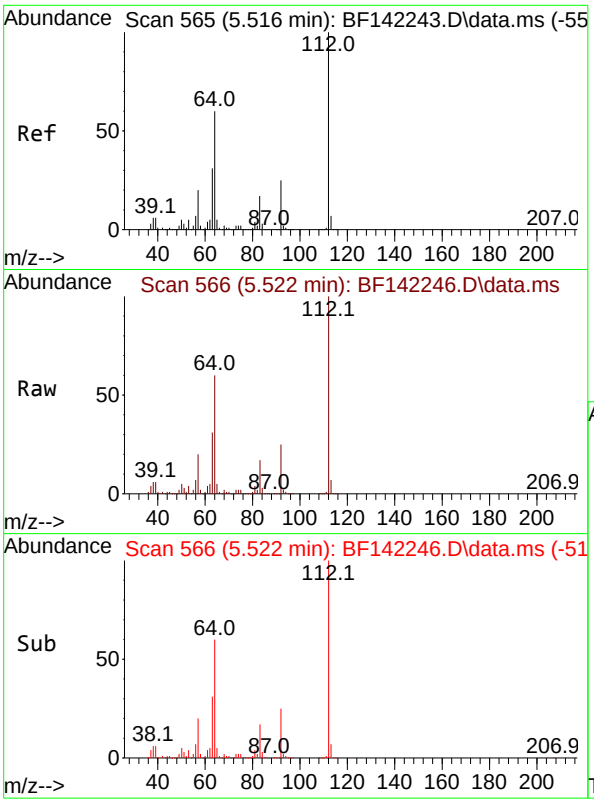


#4
n-Nitrosodimethylamine
Concen: 77.702 ng
RT: 3.434 min Scan# 211
Delta R.T. 0.023 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 42 Resp: 562539

Ion	Ratio	Lower	Upper
42	100		
74	113.7	89.5	134.3
44	7.5	6.6	9.8

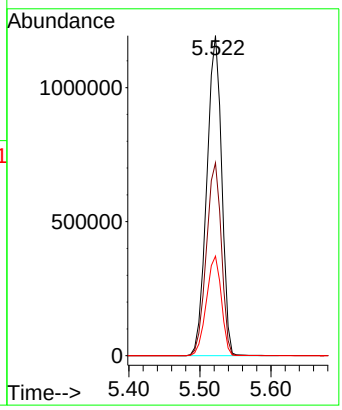




#5
2-Fluorophenol
Concen: 144.449 ng
RT: 5.522 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:112 Resp: 174101

Ion	Ratio	Lower	Upper
112	100		
64	60.3	48.4	72.6
63	31.1	24.8	37.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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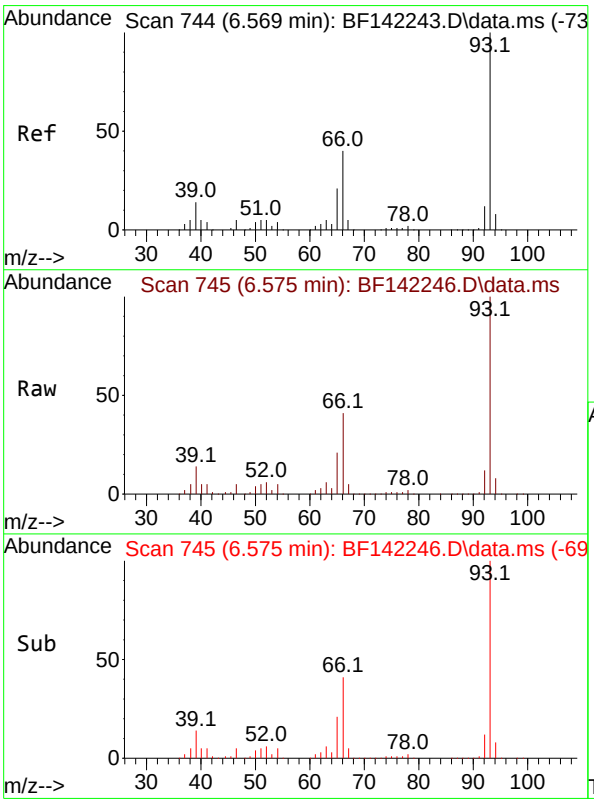
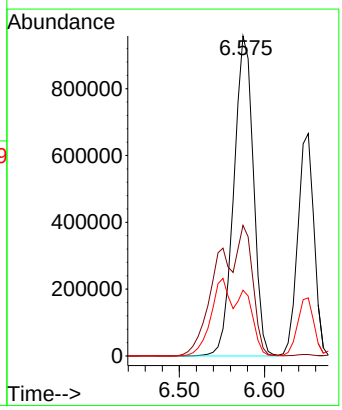
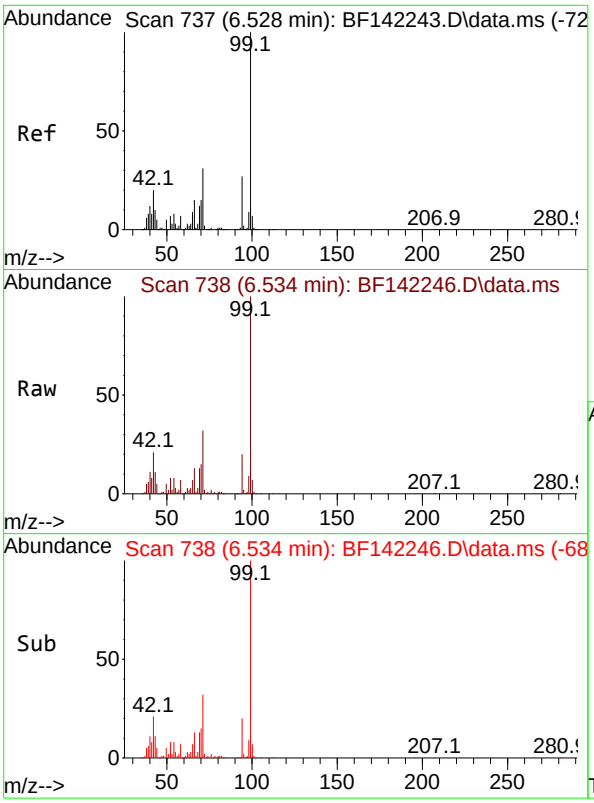


#6
Aniline
Concen: 74.030 ng
RT: 6.575 min Scan# 745
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 93 Resp: 1525082

Ion	Ratio	Lower	Upper
93	100		
66	40.8	32.1	48.1
65	20.5	16.6	24.8

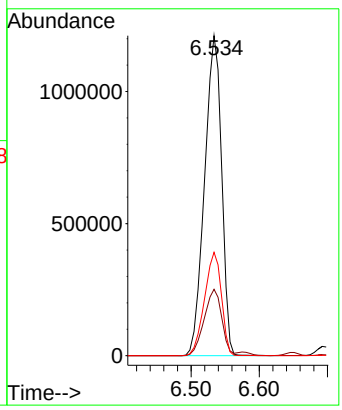




#7
Phenol-d6
Concen: 144.946 ng
RT: 6.534 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 99 Resp: 210962

Ion	Ratio	Lower	Upper
99	100		
42	20.7	16.3	24.5
71	32.3	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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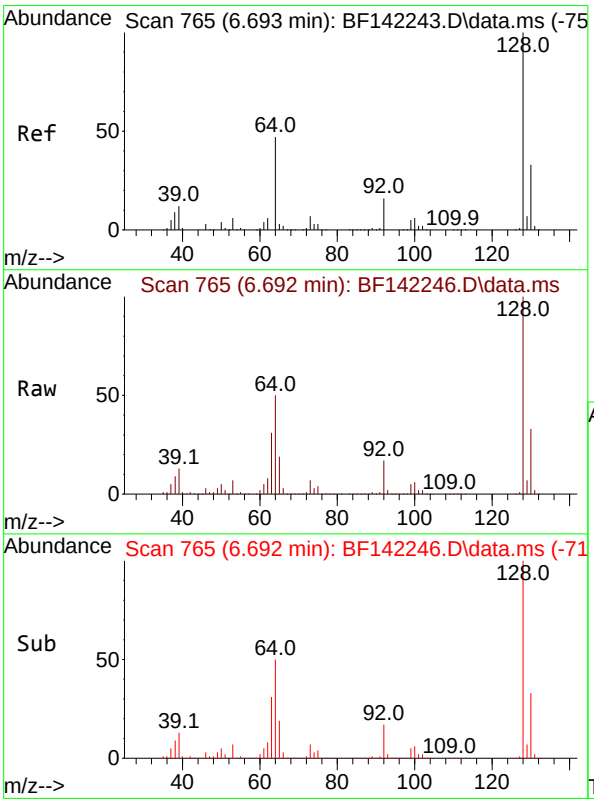
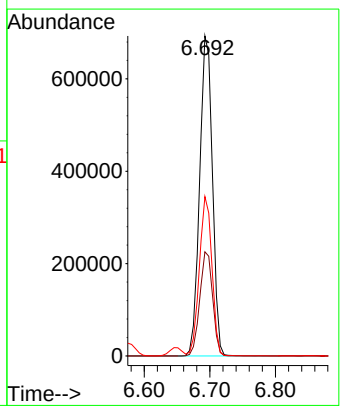
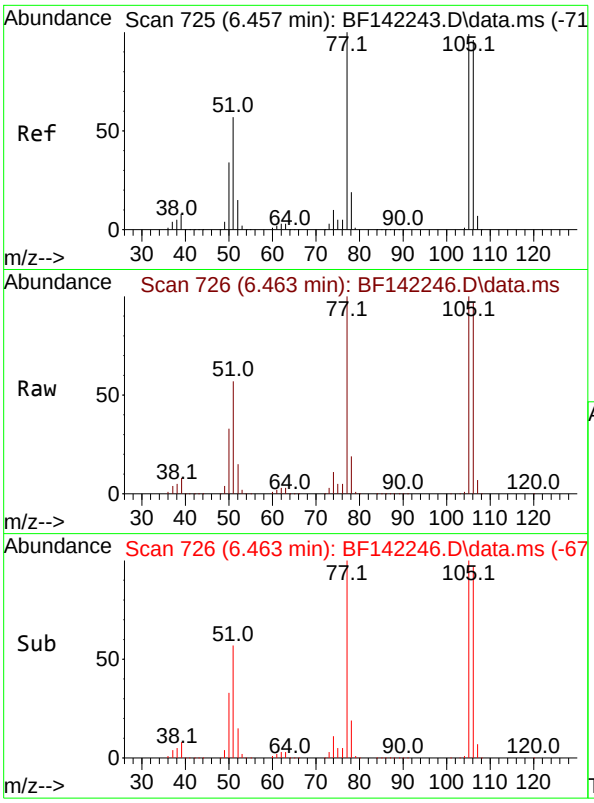


#8
2-Chlorophenol
Concen: 75.716 ng
RT: 6.692 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:128 Resp: 942996

Ion	Ratio	Lower	Upper
128	100		
130	32.6	13.1	53.1
64	49.8	28.6	68.6

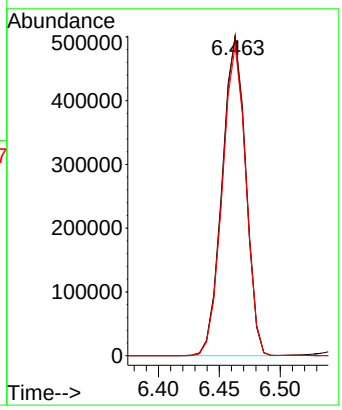




#9
Benzaldehyde
Concen: 66.197 ng
RT: 6.463 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 77 Resp: 67339

Ion	Ratio	Lower	Upper
77	100		
105	100.2	79.1	119.1
106	97.0	76.0	116.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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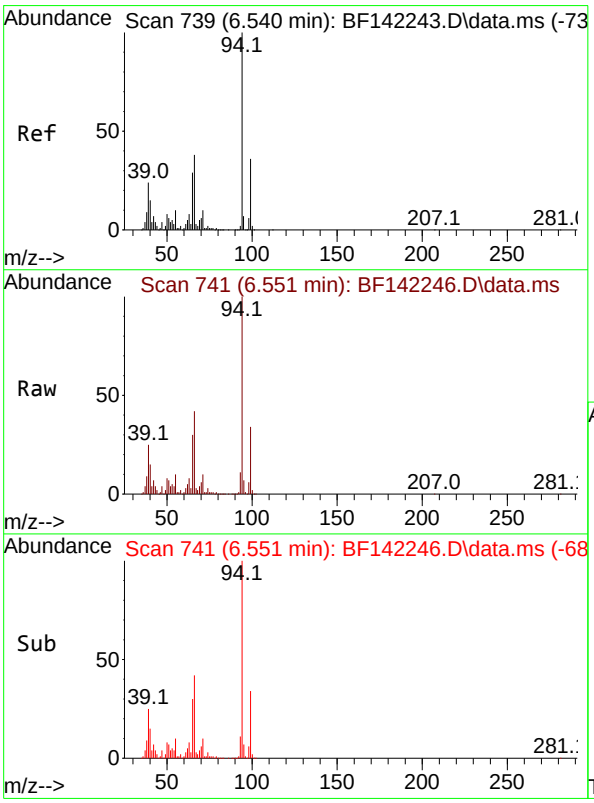
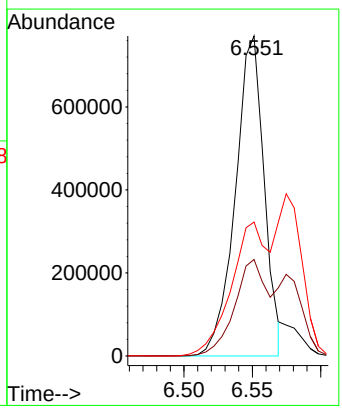
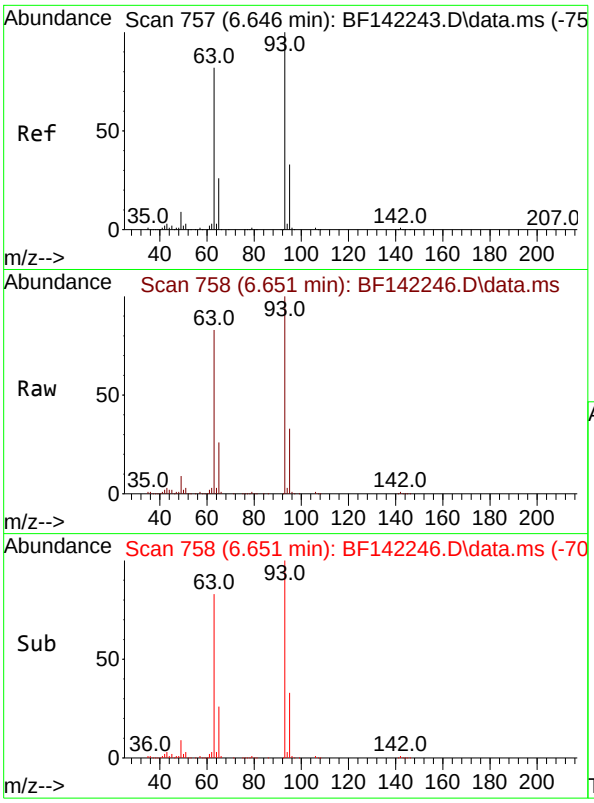


#10
Phenol
Concen: 72.134 ng m
RT: 6.551 min Scan# 741
Delta R.T. 0.012 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 94 Resp: 1130209

Ion	Ratio	Lower	Upper
94	100		
65	30.1	8.9	48.9
66	41.8	18.7	58.7

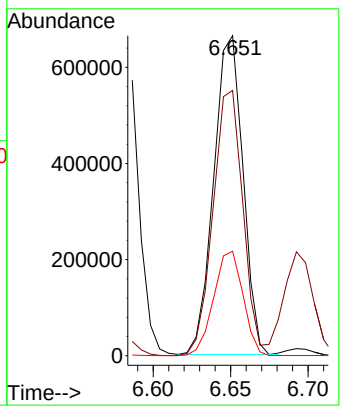




#11
bis(2-Chloroethyl)ether
Concen: 71.808 ng
RT: 6.651 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 93 Resp: 87190

Ion	Ratio	Lower	Upper
93	100		
63	82.9	62.2	102.2
95	32.7	12.7	52.7



Instrument :
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ClientSampleId :
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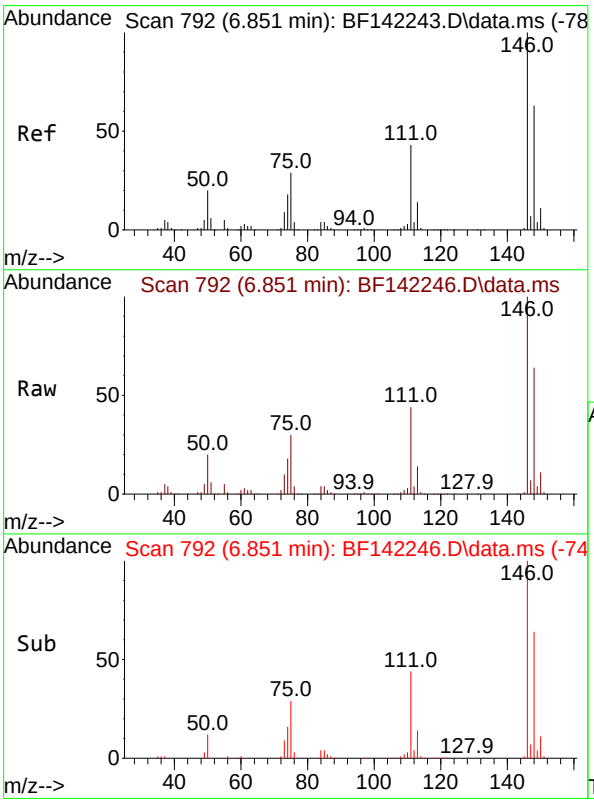
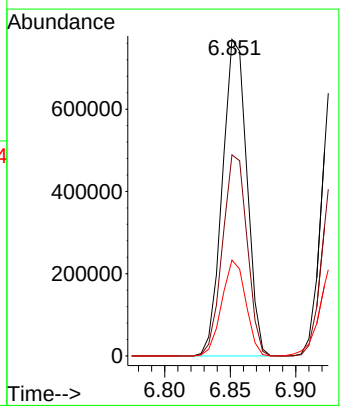
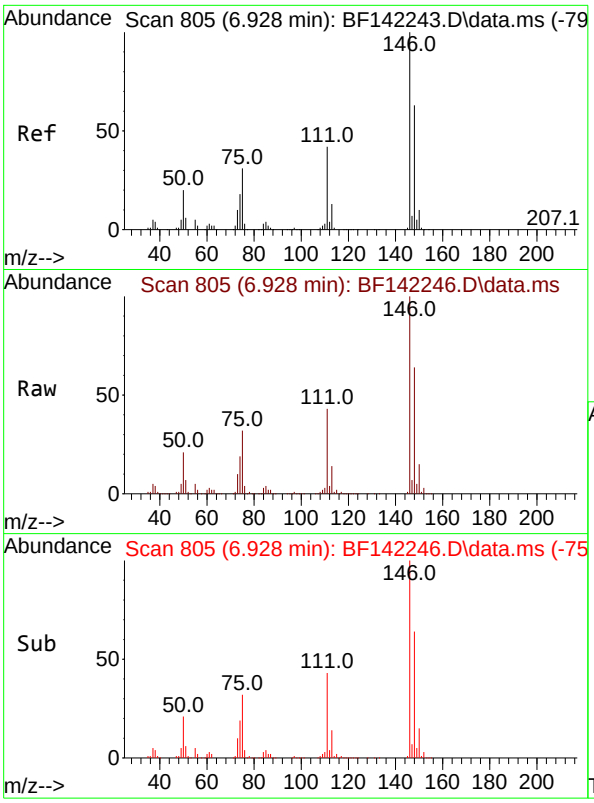


#12
1,3-Dichlorobenzene
Concen: 70.979 ng
RT: 6.851 min Scan# 792
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:146 Resp: 1000058

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.5	75.7
75	30.3	23.2	34.8

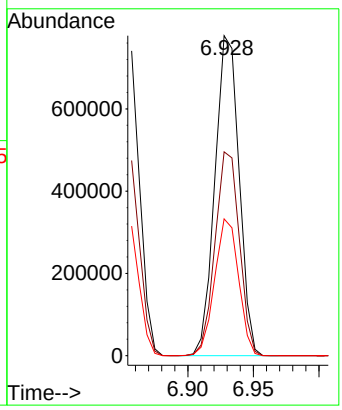




#13
1,4-Dichlorobenzene
Concen: 70.267 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:146 Resp: 99744

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.6	76.0
111	42.7	33.4	50.0



Instrument :
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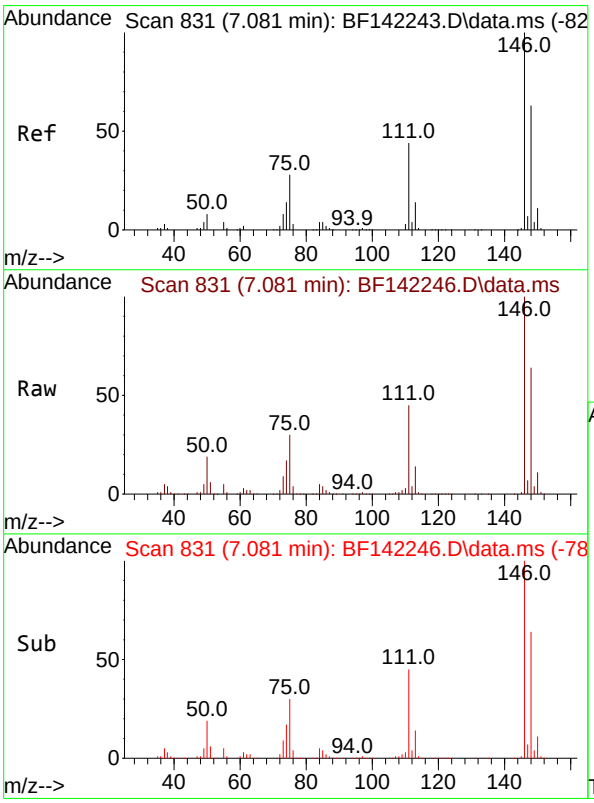
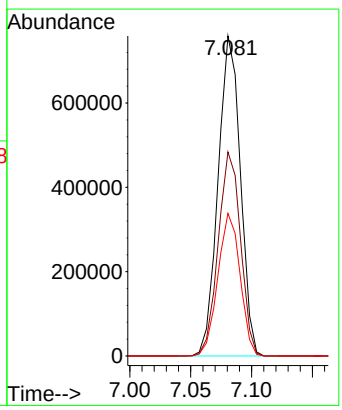
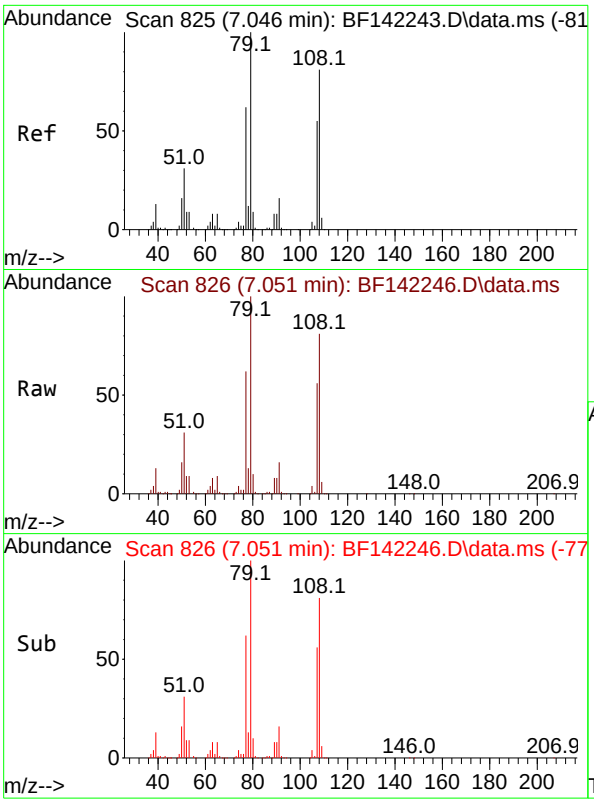


#14
1,2-Dichlorobenzene
Concen: 71.326 ng
RT: 7.081 min Scan# 831
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:146 Resp: 966587

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.5	75.7
111	44.6	34.9	52.3

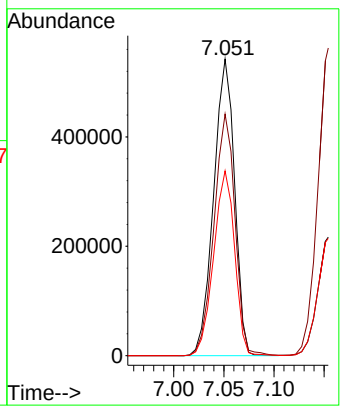




#15
Benzyl Alcohol
Concen: 76.310 ng
RT: 7.051 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 79 Resp: 78771

Ion	Ratio	Lower	Upper
79	100		
108	81.5	64.5	96.7
77	62.3	49.2	73.8



Instrument :
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ClientSampleId :
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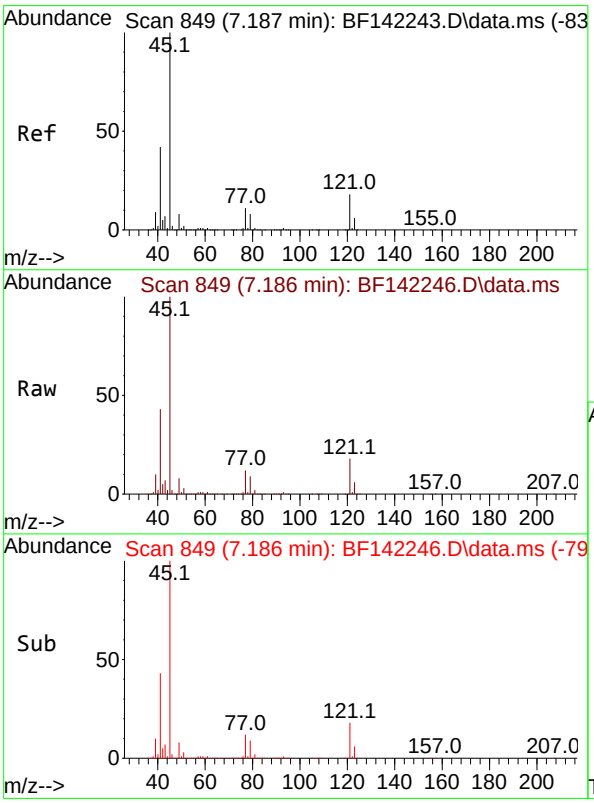
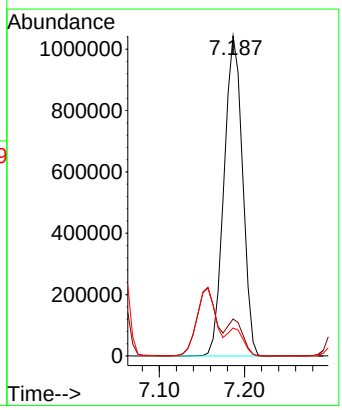
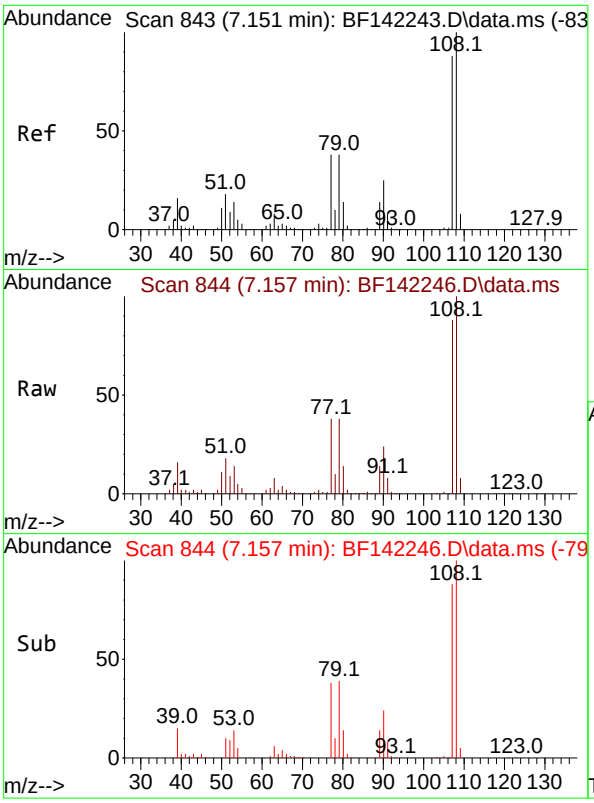


#16
2,2'-oxybis(1-Chloropropane)
Concen: 71.749 ng
RT: 7.186 min Scan# 849
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 45 Resp: 1573151

Ion	Ratio	Lower	Upper
45	100		
77	11.5	0.0	31.3
79	8.8	0.0	28.5

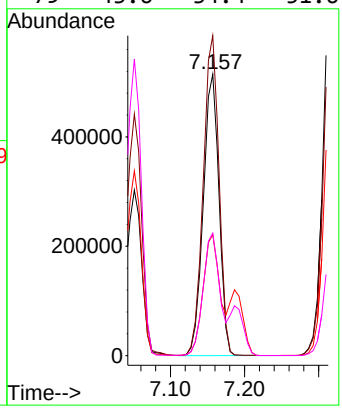




#17
2-Methylphenol
Concen: 74.219 ng
RT: 7.157 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:107 Resp: 75723

Ion	Ratio	Lower	Upper
107	100		
108	113.7	91.0	136.4
77	43.0	34.4	51.6
79	43.6	34.4	51.6



Instrument :
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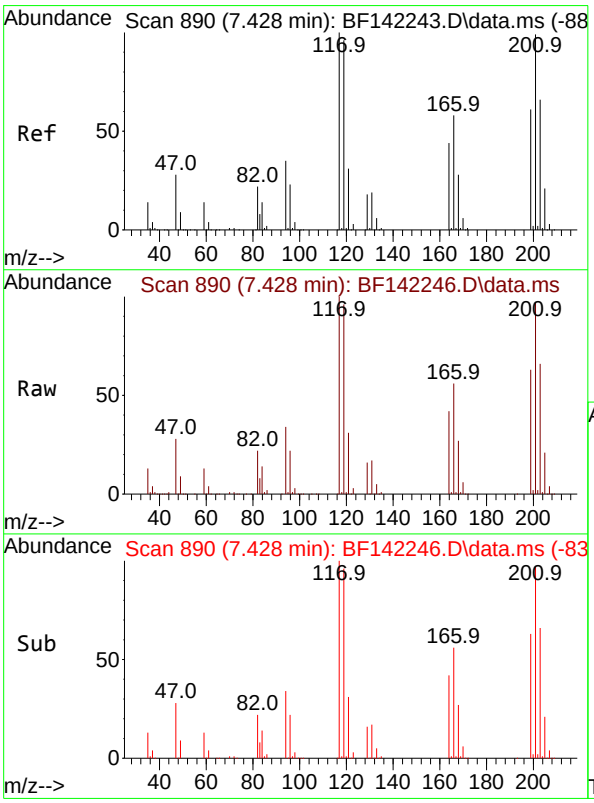
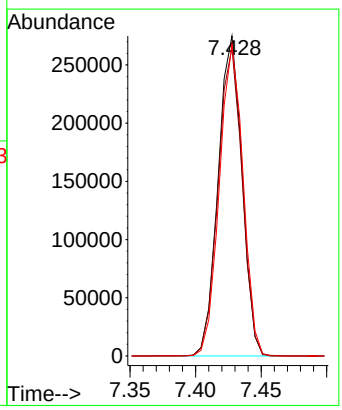
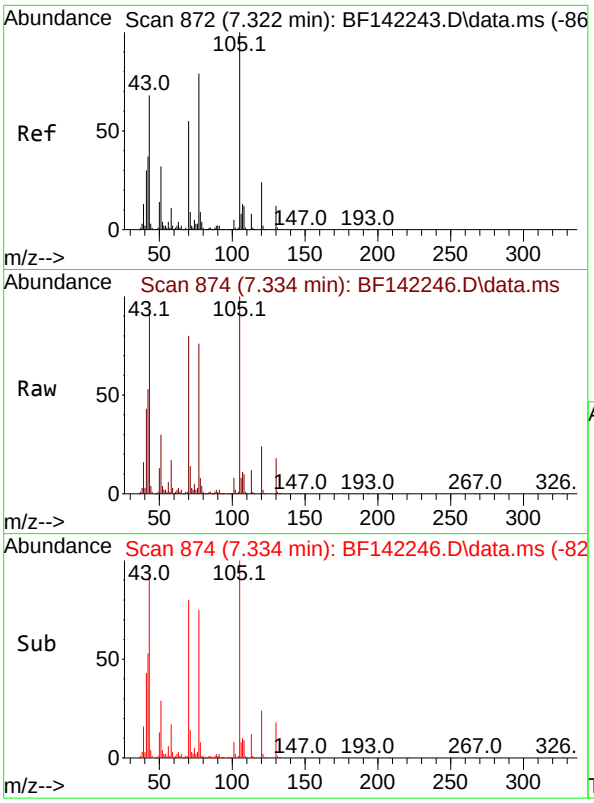


#18
Hexachloroethane
Concen: 74.757 ng
RT: 7.428 min Scan# 890
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:117 Resp: 347325

Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.1	115.7
201	97.4	79.4	119.2

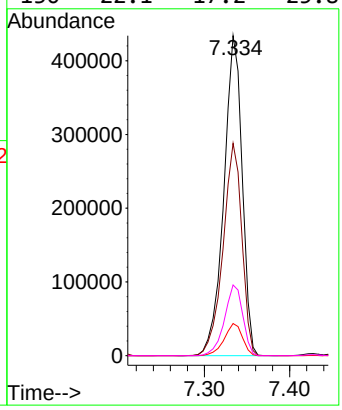




#19
n-Nitroso-di-n-propylamine
Concen: 72.291 ng
RT: 7.334 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 70 Resp: 65017

Ion	Ratio	Lower	Upper
70	100		
42	66.3	53.4	80.2
101	10.0	7.7	11.5
130	22.1	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
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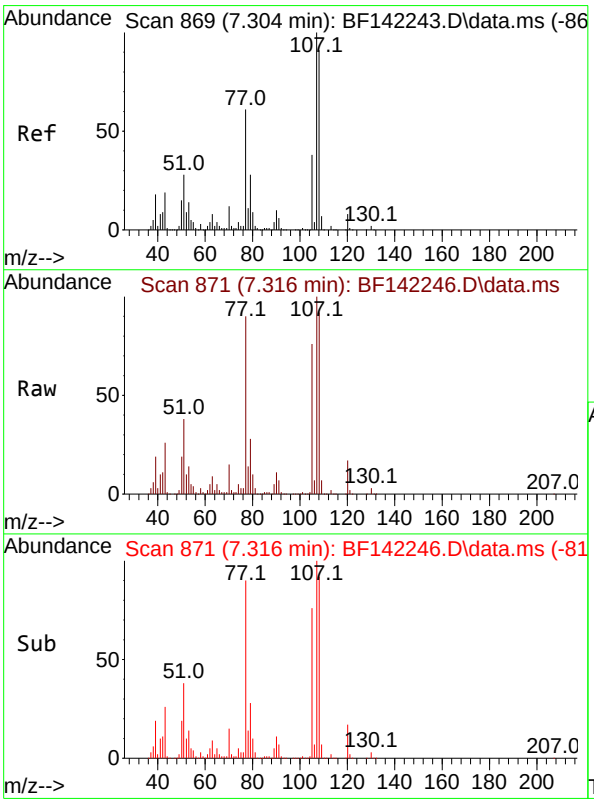
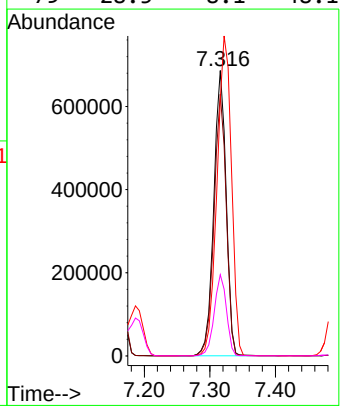
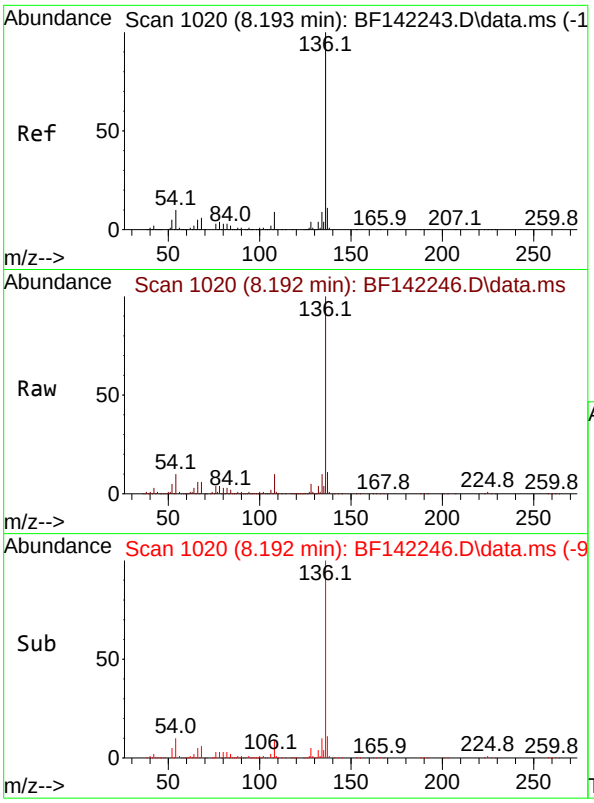


#20
3+4-Methylphenols
Concen: 70.340 ng
RT: 7.316 min Scan# 871
Delta R.T. 0.012 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:107 Resp: 897475

Ion	Ratio	Lower	Upper
107	100		
108	91.7	71.2	111.2
77	89.8	41.1	81.1#
79	28.5	8.1	48.1

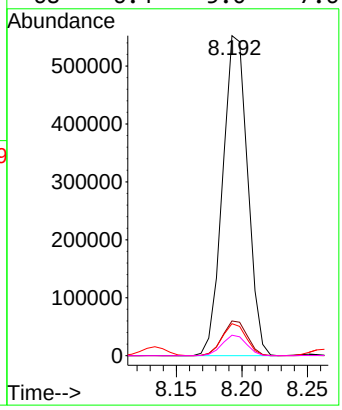




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:136 Resp: 73077

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	10.0	7.7	11.5
68	6.4	5.0	7.6



Instrument :
BNA_F
ClientSampleId :
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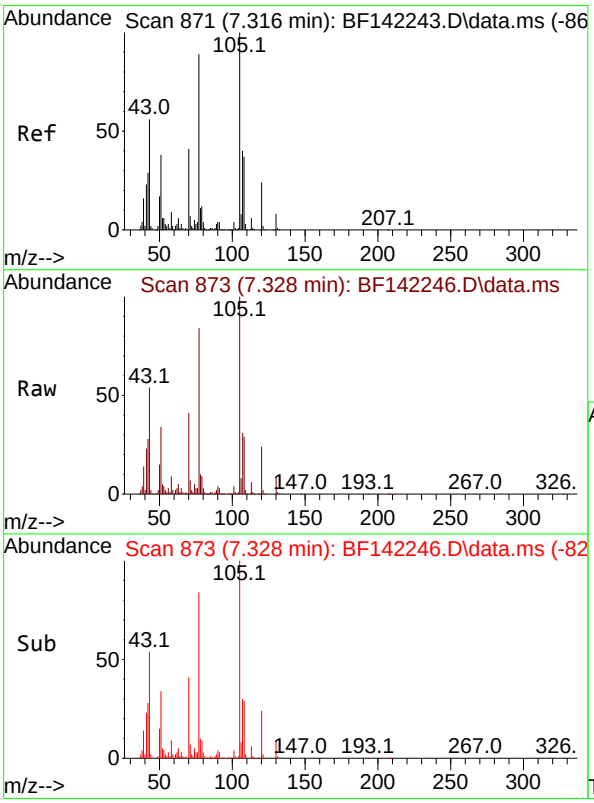
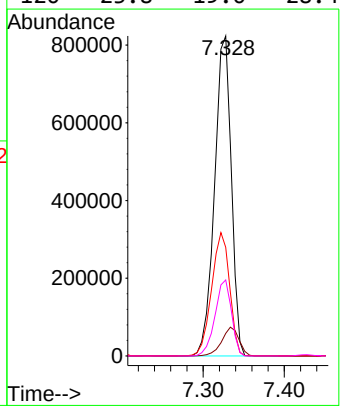
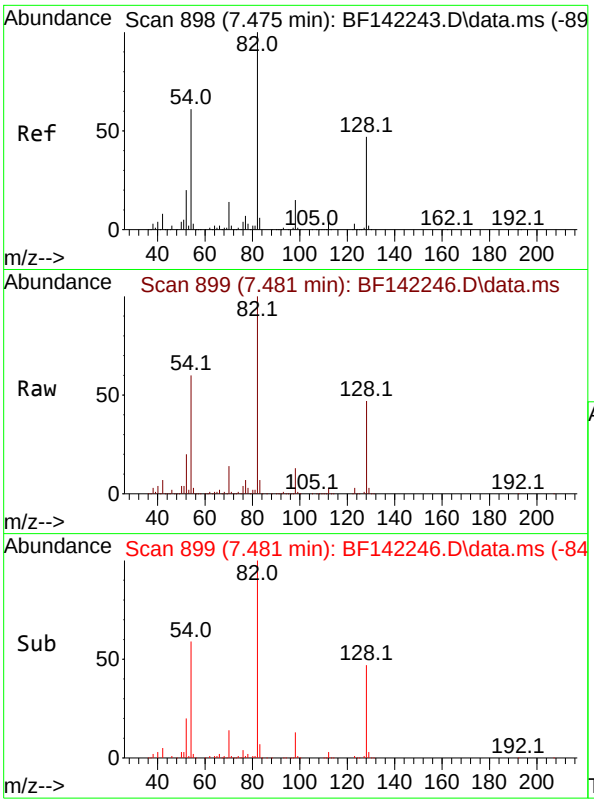


#22
Acetophenone
Concen: 69.853 ng
RT: 7.328 min Scan# 873
Delta R.T. 0.012 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:105 Resp: 1180939

Ion	Ratio	Lower	Upper
105	100		
71	7.0	5.7	8.5
51	33.9	30.1	45.1
120	23.8	19.0	28.4

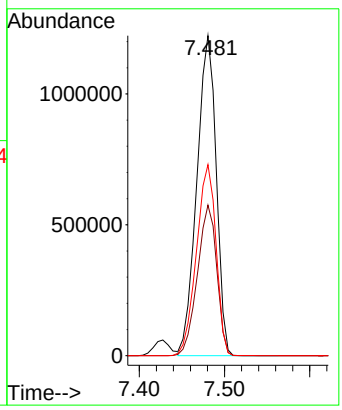




#23
Nitrobenzene-d5
Concen: 173.477 ng
RT: 7.481 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 82 Resp: 192964

Ion	Ratio	Lower	Upper
82	100		
128	47.0	37.0	55.6
54	59.7	48.0	72.0



Instrument :
BNA_F
ClientSampleId :
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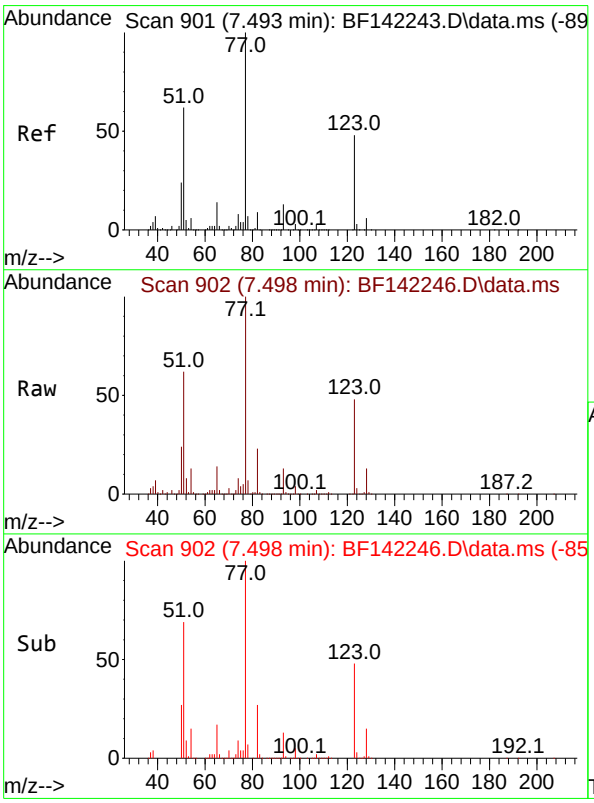
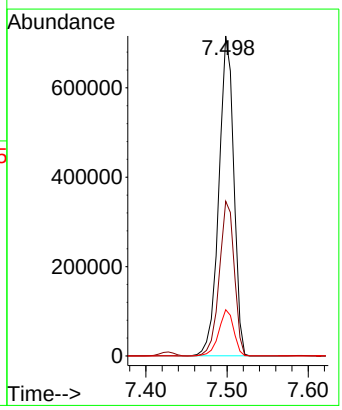
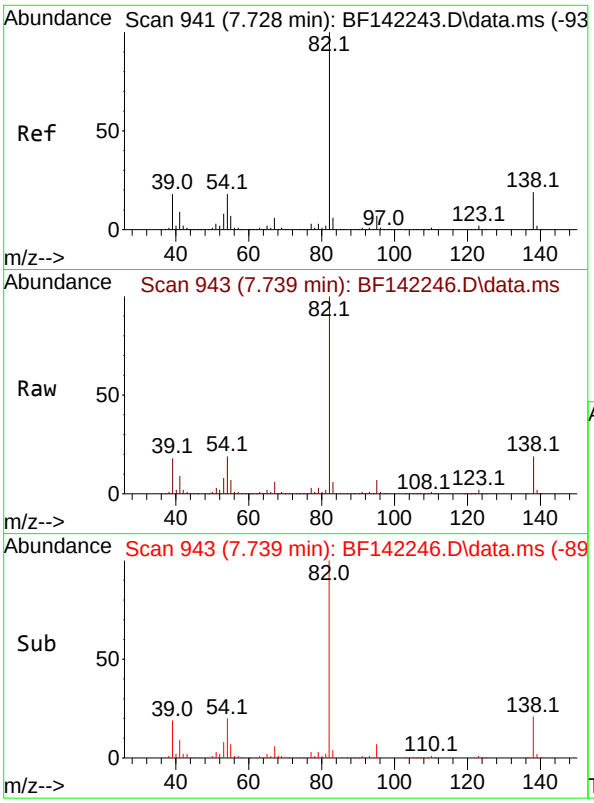


#24
Nitrobenzene
Concen: 84.046 ng
RT: 7.498 min Scan# 902
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 77 Resp: 917286

Ion	Ratio	Lower	Upper
77	100		
123	48.4	38.6	58.0
65	14.4	11.5	17.3





#25
Isophorone
Concen: 75.306 ng
RT: 7.739 min Scan# 94
Delta R.T. 0.012 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 82 Resp: 175801

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.6	8.4
138	19.4	15.3	22.9

Instrument :
BNA_F
ClientSampleId :
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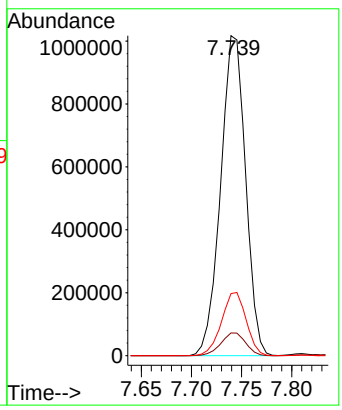
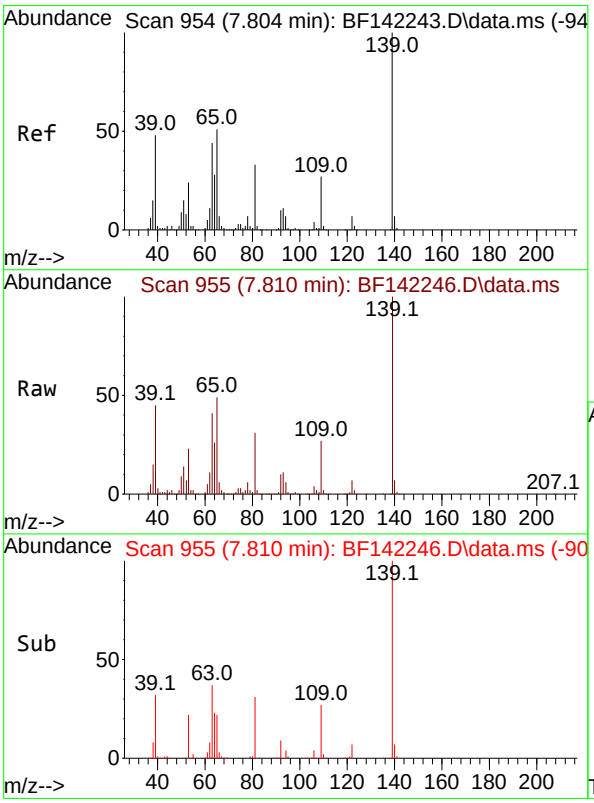
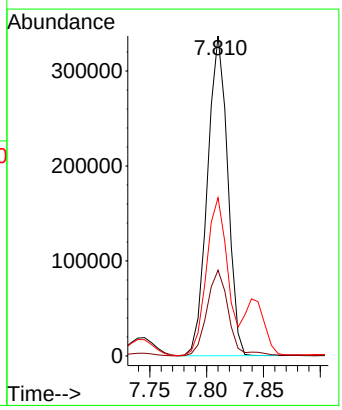


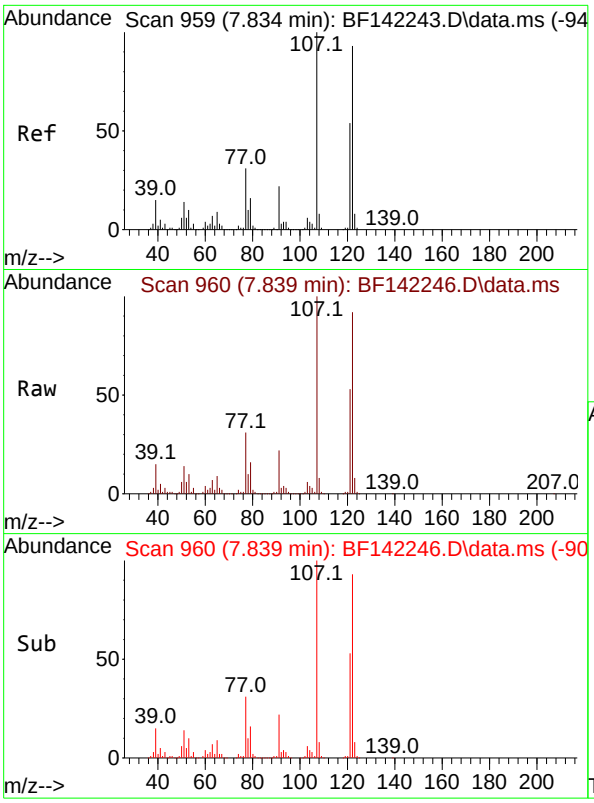


#26
2-Nitrophenol
Concen: 79.254 ng
RT: 7.810 min Scan# 955
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:139 Resp: 416387

Ion	Ratio	Lower	Upper
139	100		
109	26.8	21.8	32.8
65	49.4	41.1	61.7

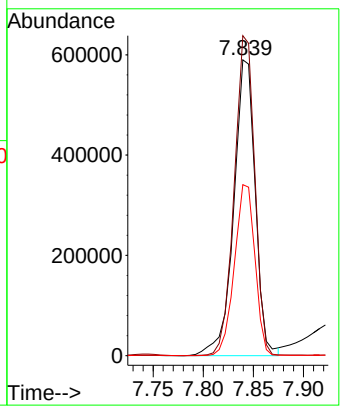




#27
2,4-Dimethylphenol
Concen: 75.098 ng
RT: 7.839 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:122 Resp: 88392

Ion	Ratio	Lower	Upper
122	100		
107	108.1	86.0	129.0
121	57.8	46.3	69.5



Instrument :
BNA_F
ClientSampleId :
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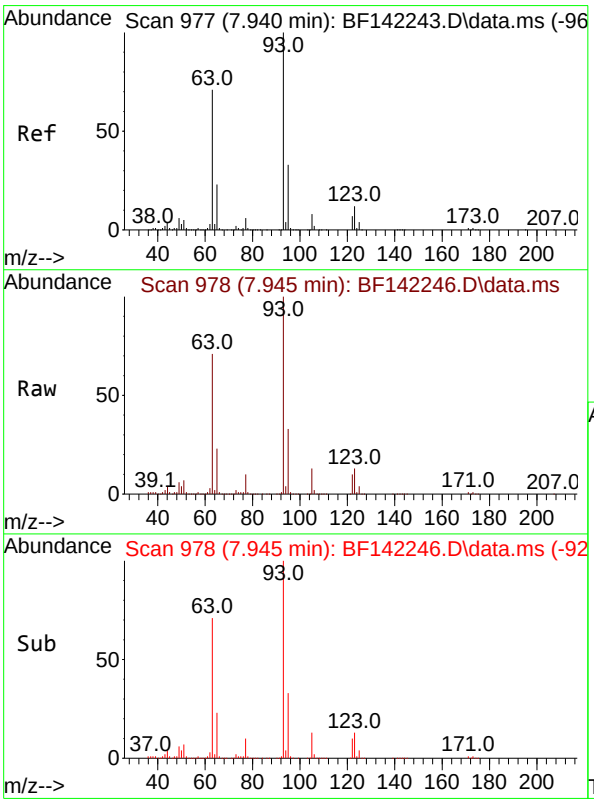
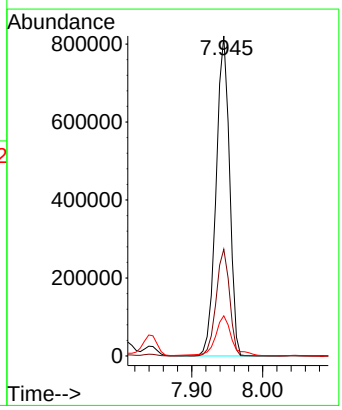
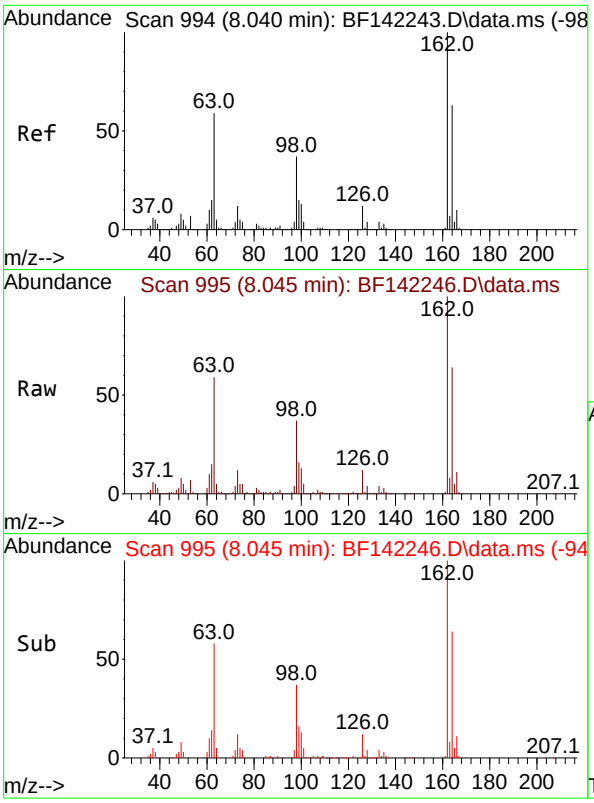


#28
bis(2-Chloroethoxy)methane
Concen: 72.702 ng
RT: 7.945 min Scan# 978
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 93 Resp: 1070383

Ion	Ratio	Lower	Upper
93	100		
95	33.4	26.2	39.2
123	12.5	9.7	14.5

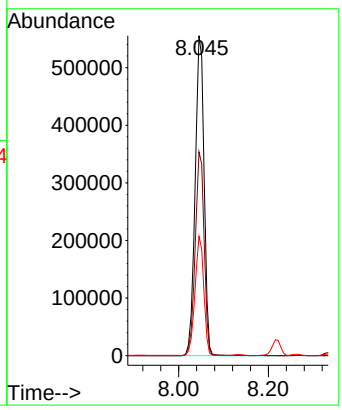




#29
2,4-Dichlorophenol
Concen: 78.103 ng
RT: 8.045 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:162 Resp: 76857

Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.0	83.0
98	37.3	16.7	56.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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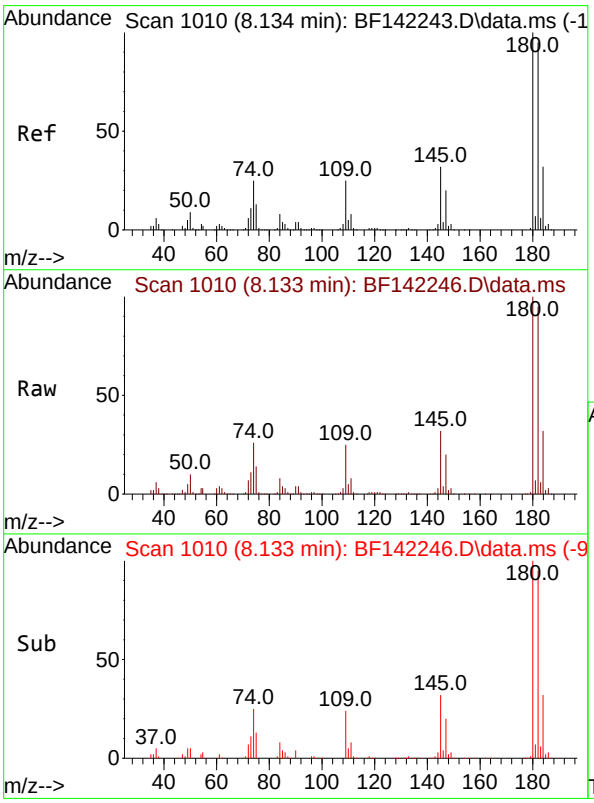
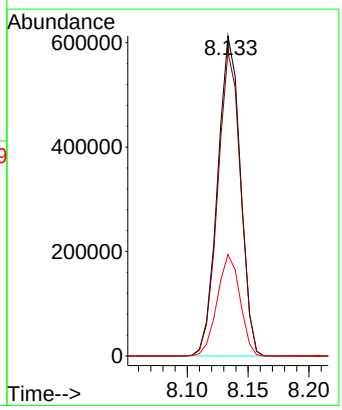
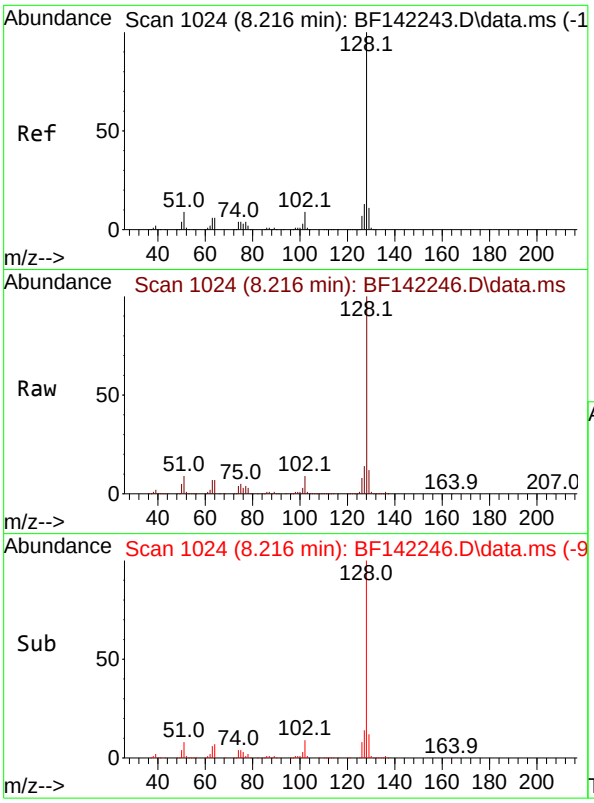


#30
1,2,4-Trichlorobenzene
Concen: 72.623 ng
RT: 8.133 min Scan# 1010
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:180 Resp: 797476

Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.7	113.5
145	31.7	25.4	38.0

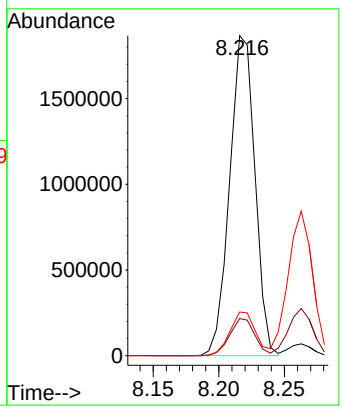




#31
Naphthalene
Concen: 68.820 ng
RT: 8.216 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:128 Resp: 250808

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.0	13.4
127	13.7	10.6	15.8



Instrument :
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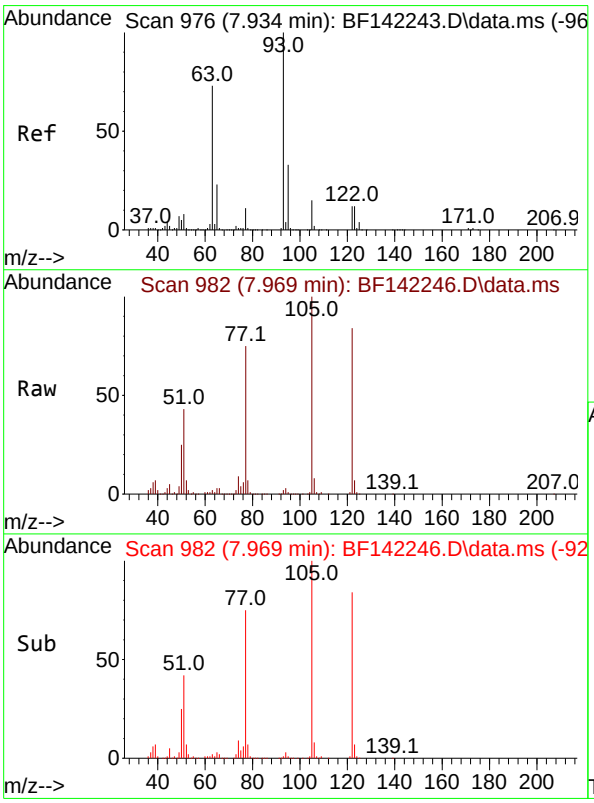
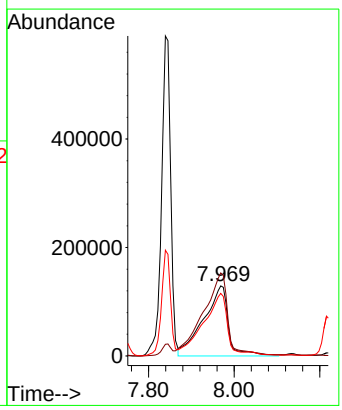
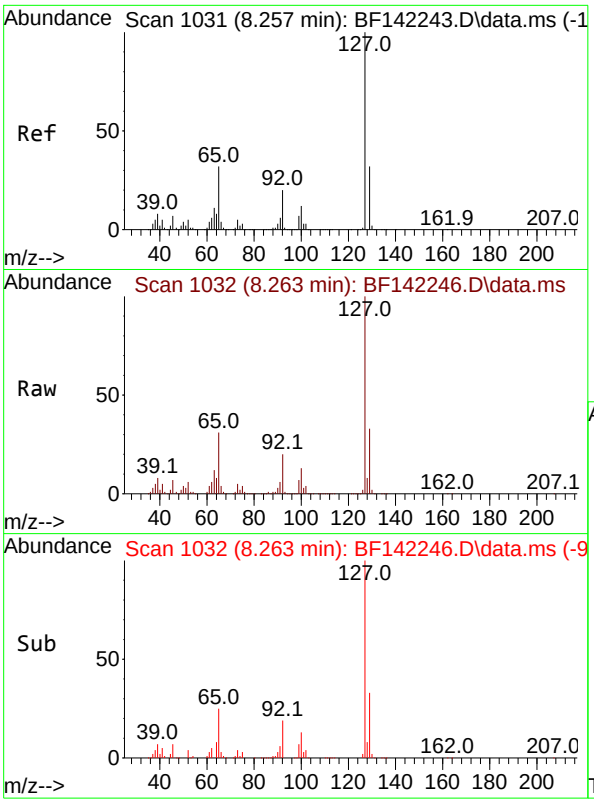


#32
Benzoic acid
Concen: 83.328 ng m
RT: 7.969 min Scan# 982
Delta R.T. 0.035 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:122 Resp: 523215

Ion	Ratio	Lower	Upper
122	100		
105	118.4	98.2	138.2
77	89.2	66.8	106.8

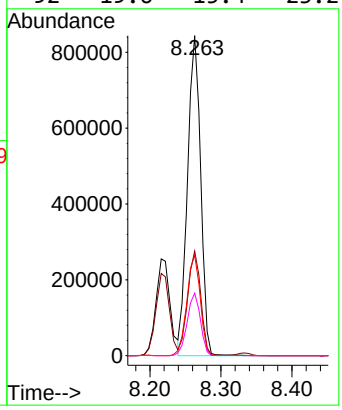




#33
4-Chloroaniline
Concen: 71.465 ng
RT: 8.263 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:127 Resp: 108454

Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.1	39.1
65	31.4	25.5	38.3
92	19.6	15.4	23.2



Instrument :
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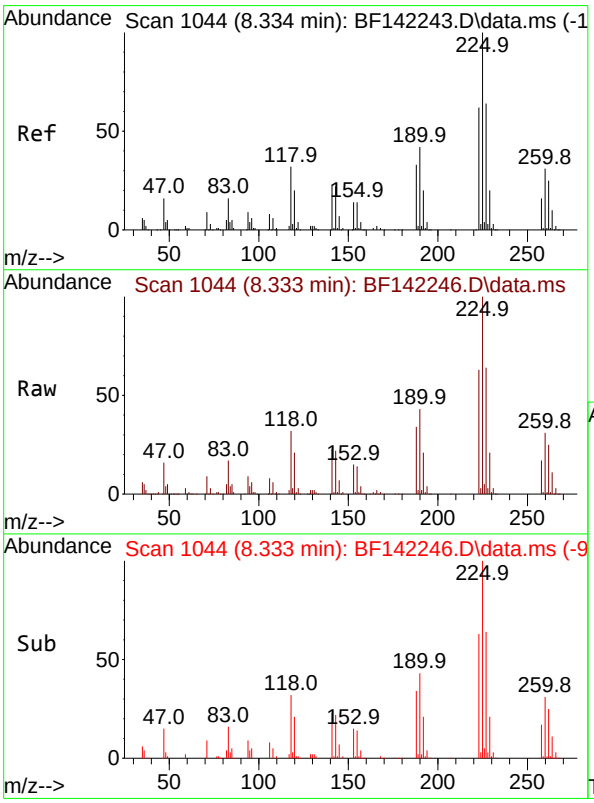
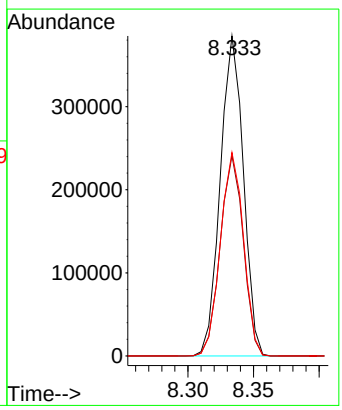
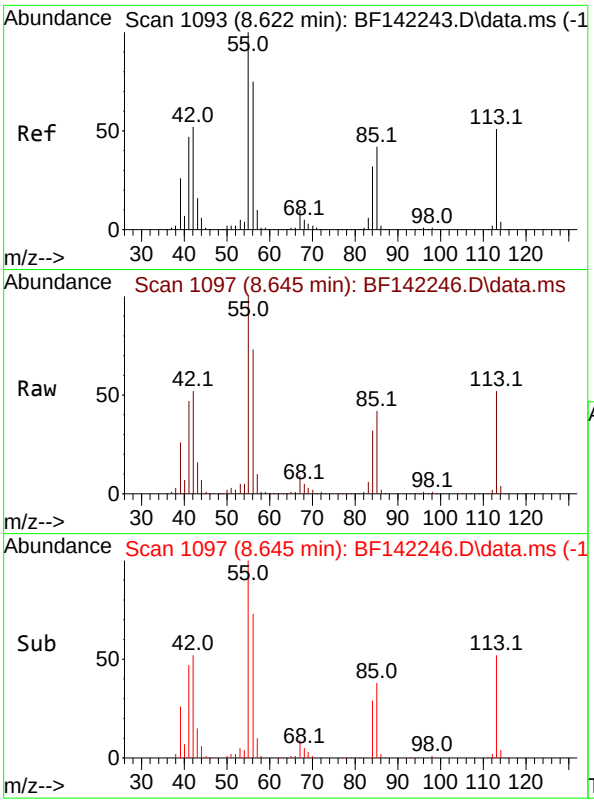


#34
Hexachlorobutadiene
Concen: 73.564 ng
RT: 8.333 min Scan# 1044
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:225 Resp: 471301

Ion	Ratio	Lower	Upper
225	100		
223	62.5	49.7	74.5
227	63.6	51.0	76.4

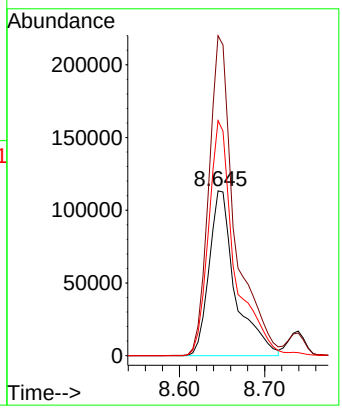




#35
Caprolactam
Concen: 81.958 ng
RT: 8.645 min Scan# 1
Delta R.T. 0.023 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:113 Resp: 24241

Ion	Ratio	Lower	Upper
113	100		
55	194.1	177.7	217.7
56	142.5	127.1	167.1



Instrument :
BNA_F
ClientSampleId :
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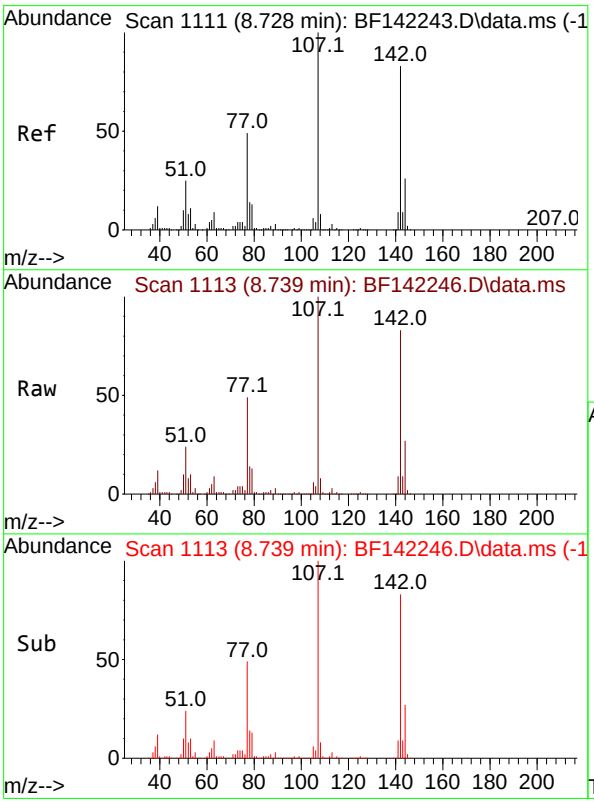
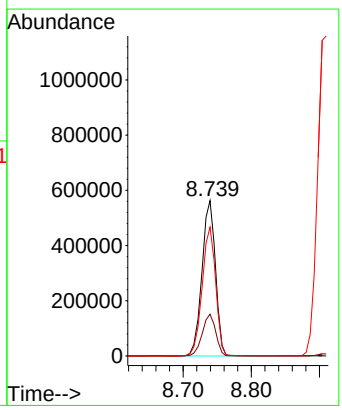
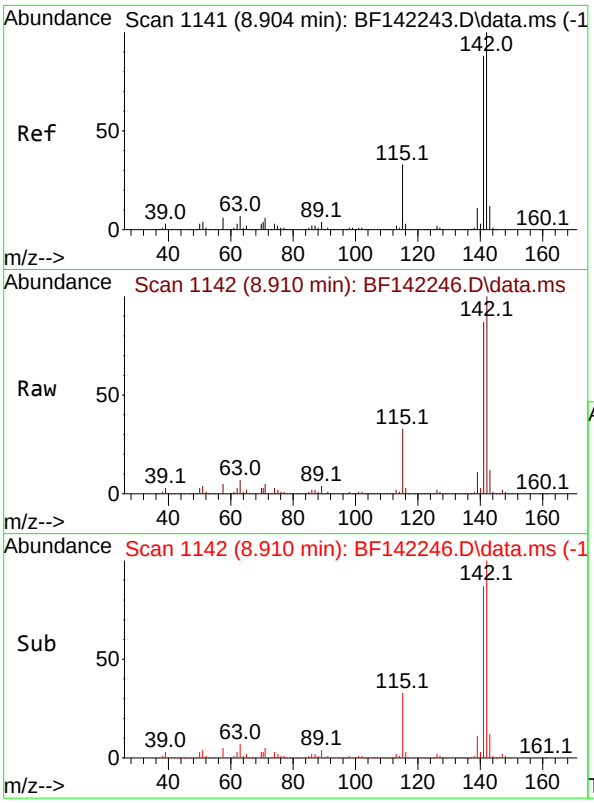


#36
4-Chloro-3-methylphenol
Concen: 76.844 ng
RT: 8.739 min Scan# 1113
Delta R.T. 0.012 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:107 Resp: 776483

Ion	Ratio	Lower	Upper
107	100		
144	26.9	21.0	31.4
142	82.9	66.1	99.1

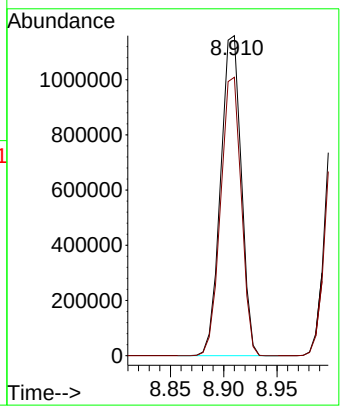




#37
2-Methylnaphthalene
Concen: 69.615 ng
RT: 8.910 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:142 Resp: 155985

Ion	Ratio	Lower	Upper
142	100		
141	87.0	70.5	105.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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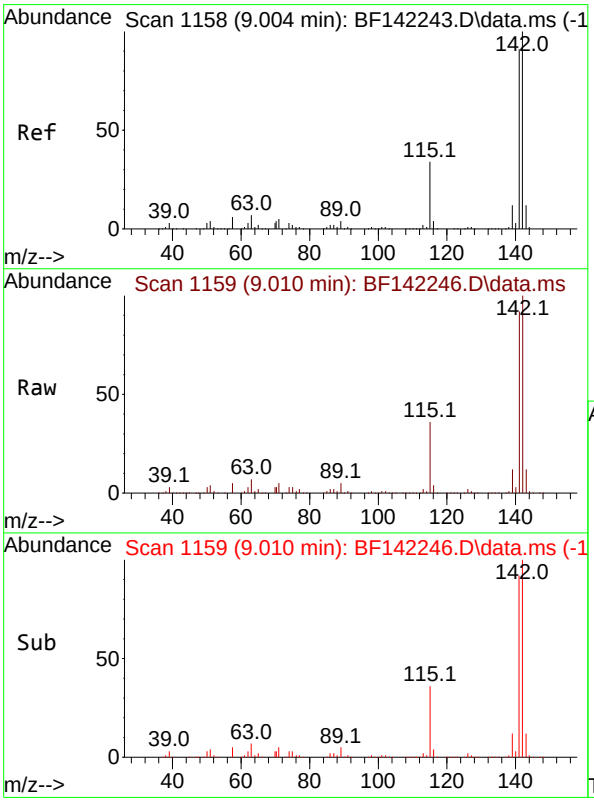
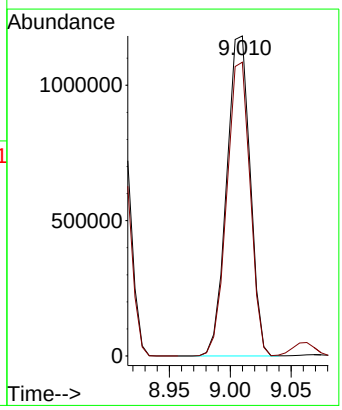
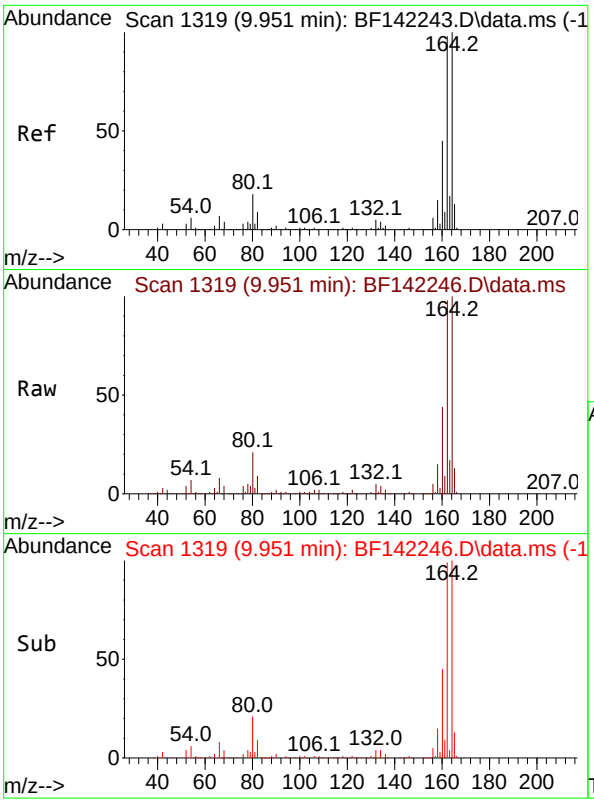


#38
1-Methylnaphthalene
Concen: 68.237 ng
RT: 9.010 min Scan# 1159
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:142 Resp: 1583955

Ion	Ratio	Lower	Upper
142	100		
141	91.8	72.8	109.2

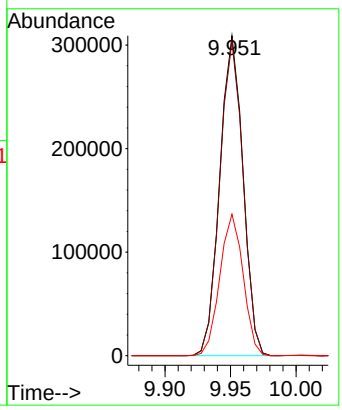




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:164 Resp: 38137

Ion	Ratio	Lower	Upper
164	100		
162	98.2	78.6	117.8
160	44.2	35.7	53.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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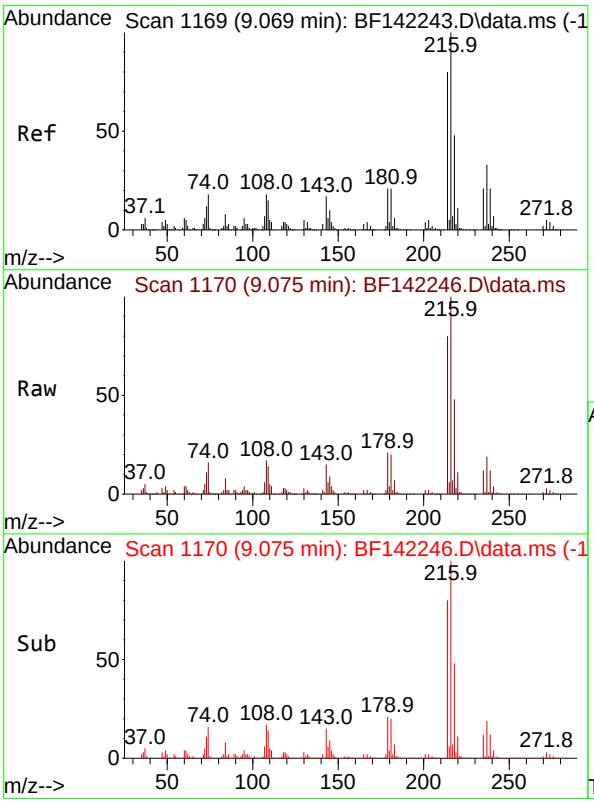
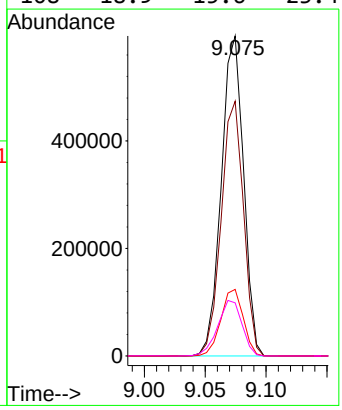
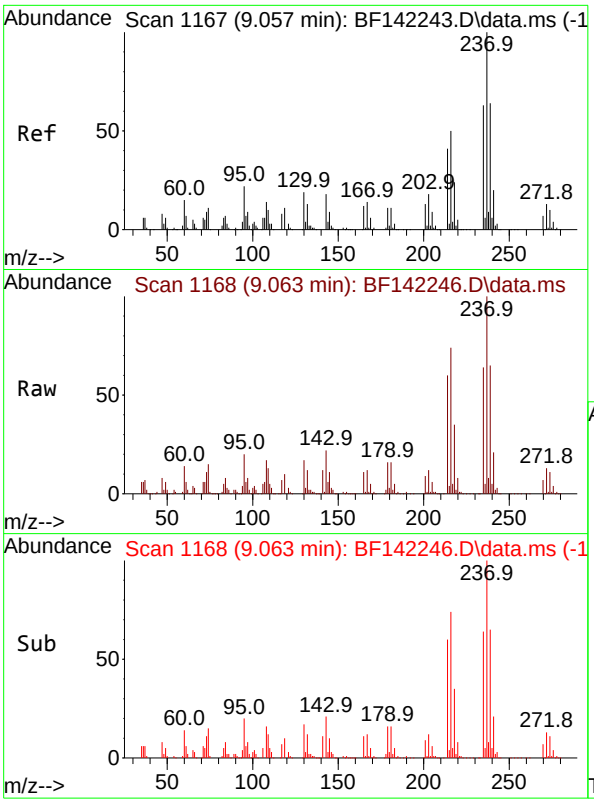


#40
1,2,4,5-Tetrachlorobenzene
Concen: 70.548 ng
RT: 9.075 min Scan# 1170
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:216 Resp: 757210

Ion	Ratio	Lower	Upper
216	100		
214	79.7	63.8	95.6
179	21.0	16.7	25.1
108	18.9	15.6	23.4

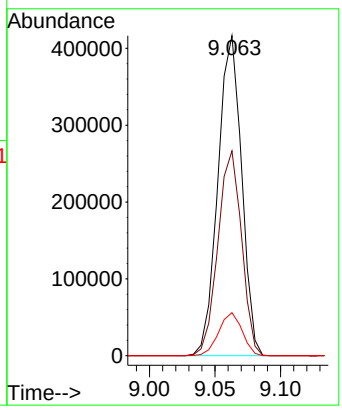




#41
Hexachlorocyclopentadiene
Concen: 85.886 ng
RT: 9.063 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:237 Resp: 52318

Ion	Ratio	Lower	Upper
237	100		
235	64.0	43.5	83.5
272	13.5	0.0	32.9



Instrument :
BNA_F
ClientSampleId :
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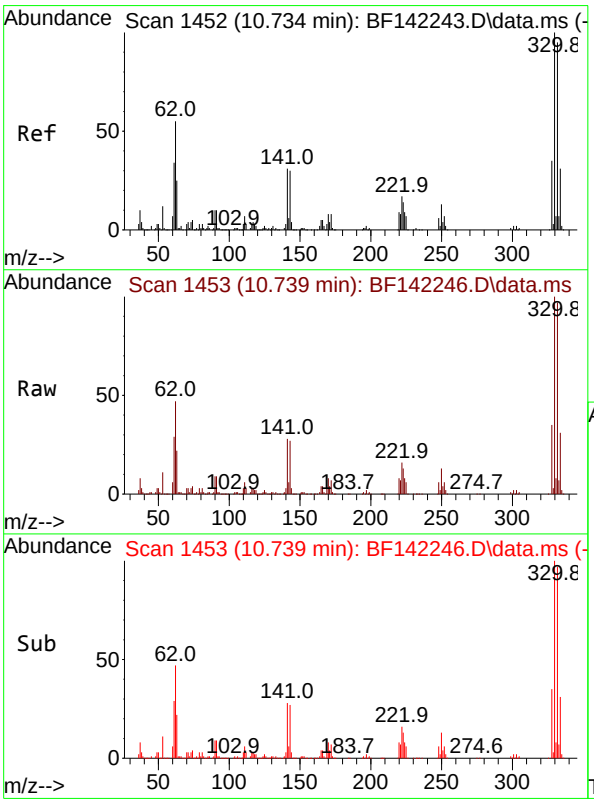
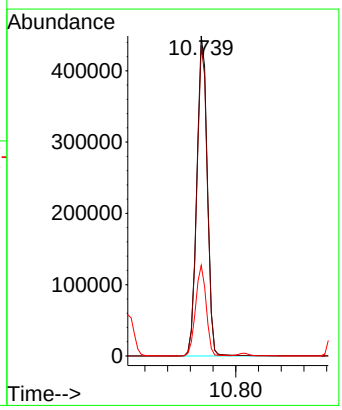
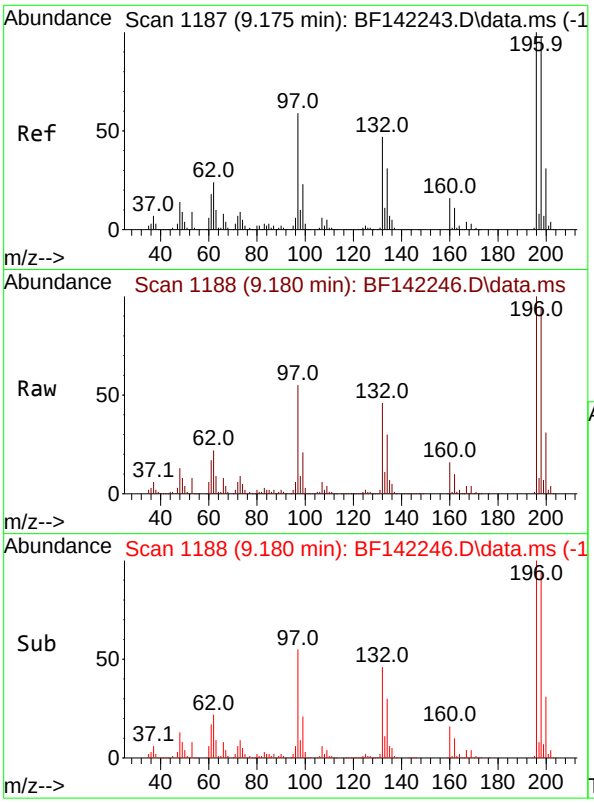


#42
2,4,6-Tribromophenol
Concen: 166.657 ng
RT: 10.739 min Scan# 1453
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:330 Resp: 579431

Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.5	114.7
141	28.6	24.3	36.5

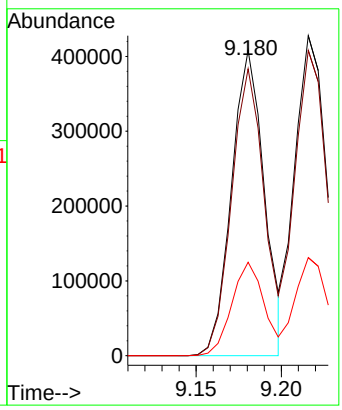




#43
2,4,6-Trichlorophenol
Concen: 81.996 ng
RT: 9.180 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:196 Resp: 54535

Ion	Ratio	Lower	Upper
196	100		
198	93.9	77.4	116.2
200	30.6	24.6	37.0



Instrument :
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ClientSampleId :
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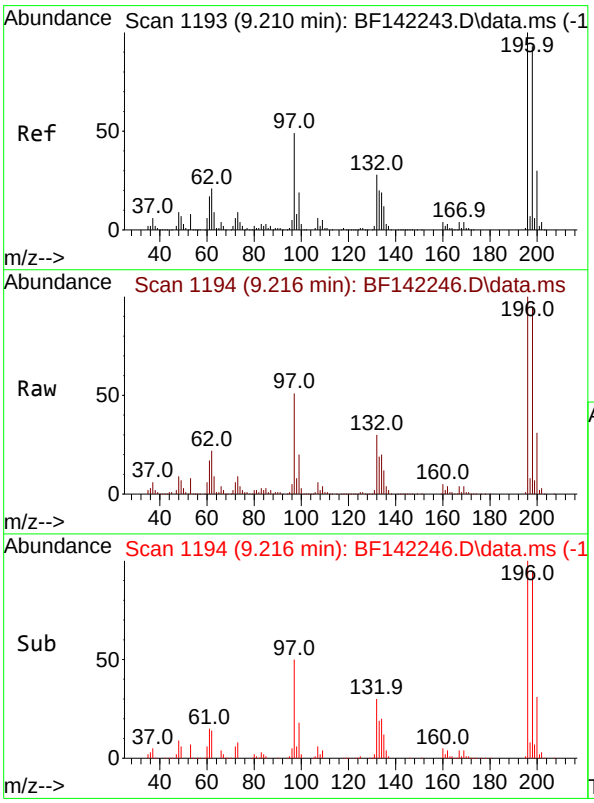
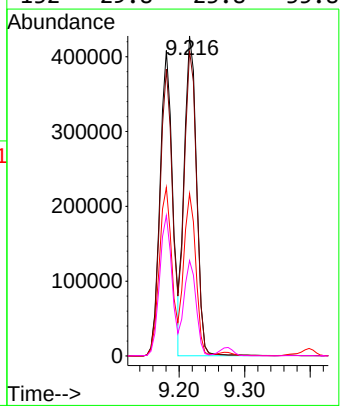
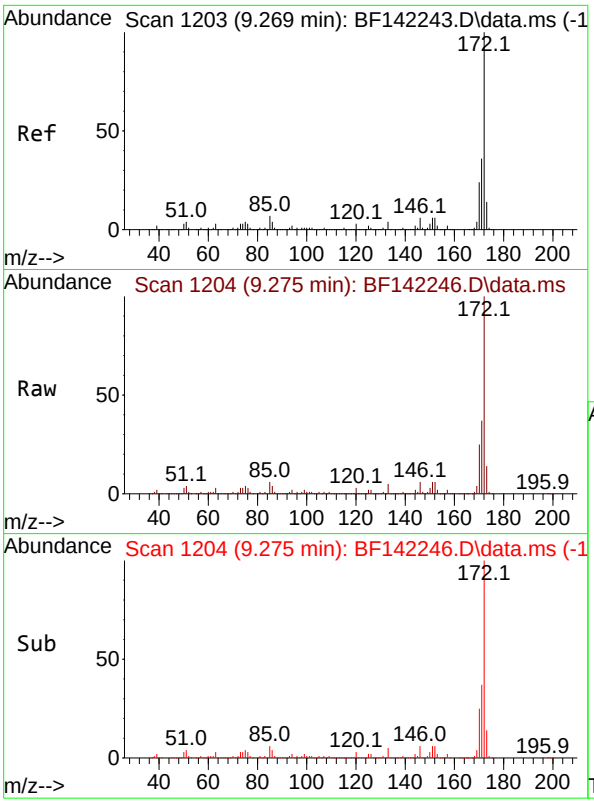


#44
2,4,5-Trichlorophenol
Concen: 79.732 ng
RT: 9.216 min Scan# 1194
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:196 Resp: 557542

Ion	Ratio	Lower	Upper
196	100		
198	95.4	75.2	112.8
97	50.7	39.8	59.8
132	29.8	23.8	35.8

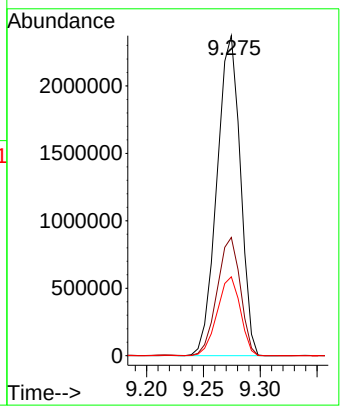




#45
2-Fluorobiphenyl
Concen: 125.694 ng
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:172 Resp: 339986

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.0	43.4
170	24.6	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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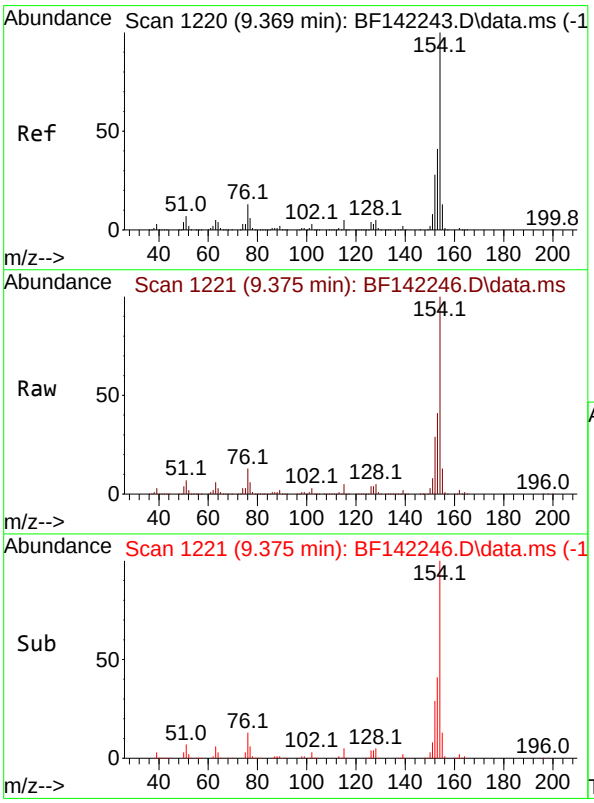
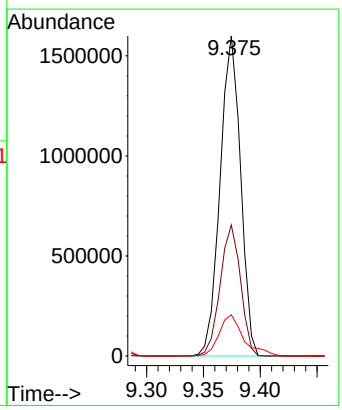
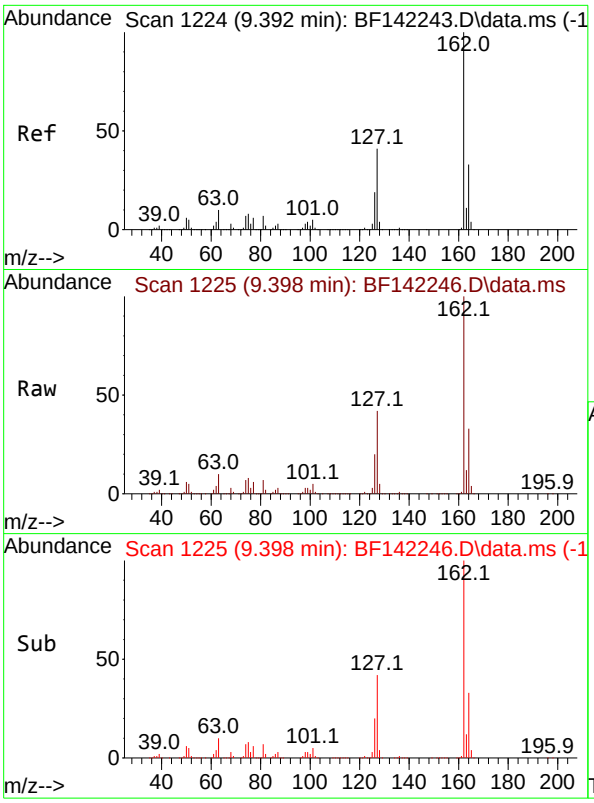


#46
1,1'-Biphenyl
Concen: 67.691 ng
RT: 9.375 min Scan# 1221
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:154 Resp: 2006955

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.5	60.5
76	12.9	0.0	32.8

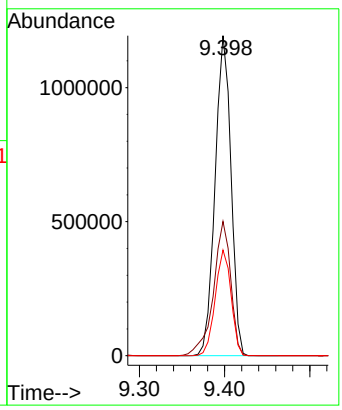




#47
2-Chloronaphthalene
Concen: 70.140 ng
RT: 9.398 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:162 Resp: 154720

Ion	Ratio	Lower	Upper
162	100		
127	41.9	32.6	49.0
164	33.0	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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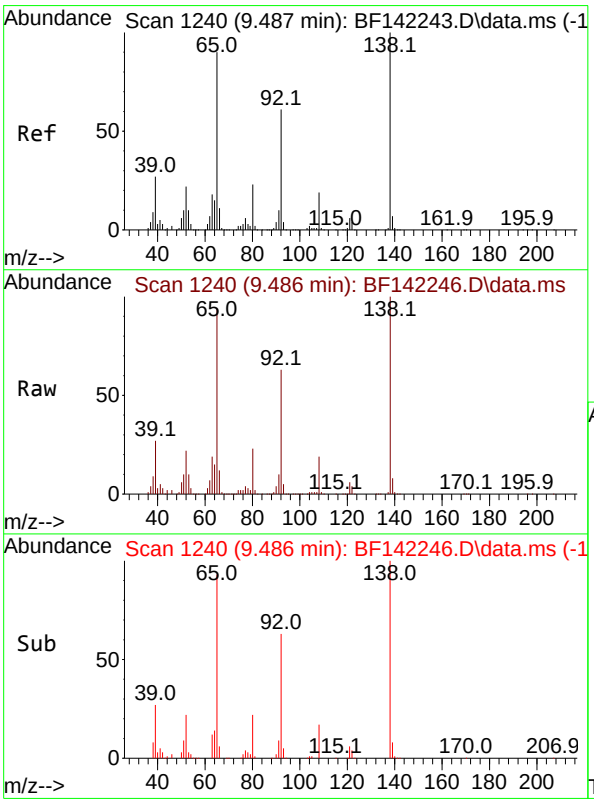
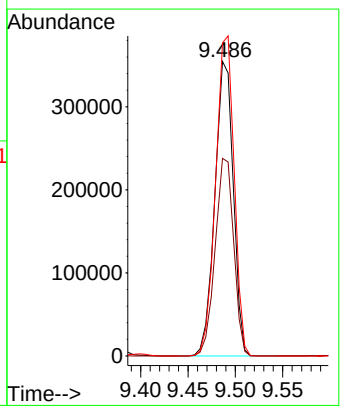
Supervised By :Jagrut Upadhyay 05/01/2025

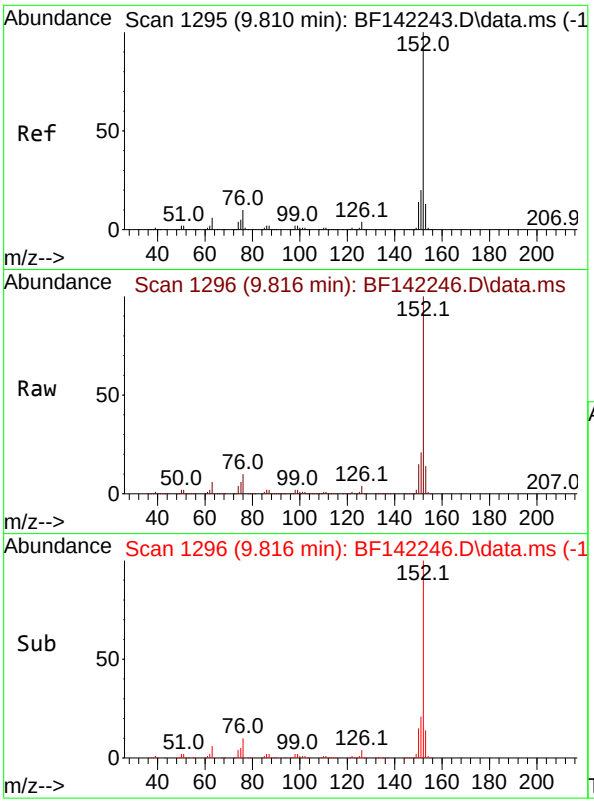


#48
2-Nitroaniline
Concen: 79.390 ng
RT: 9.486 min Scan# 1240
Delta R.T. -0.001 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 65 Resp: 481954

Ion	Ratio	Lower	Upper
65	100		
92	67.1	54.3	81.5
138	106.4	88.6	133.0

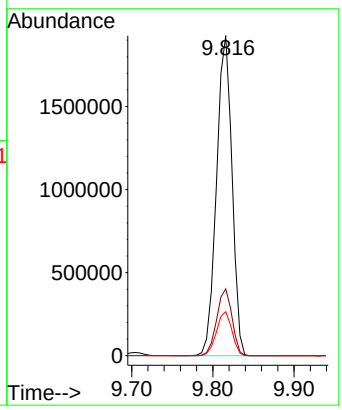




#49
Acenaphthylene
Concen: 68.650 ng
RT: 9.816 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:152 Resp: 255538

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.2	24.2
153	13.7	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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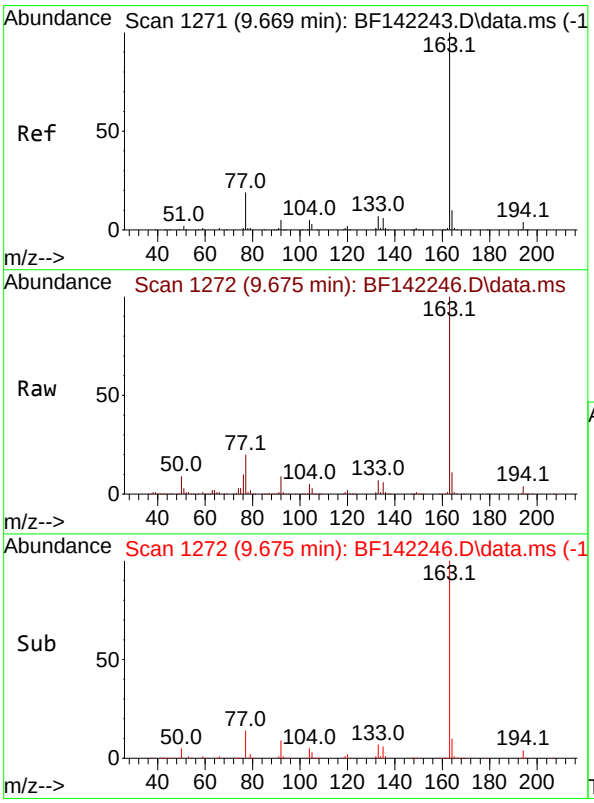
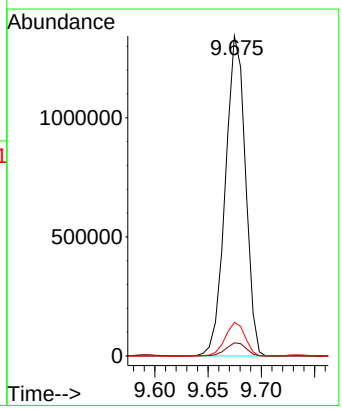
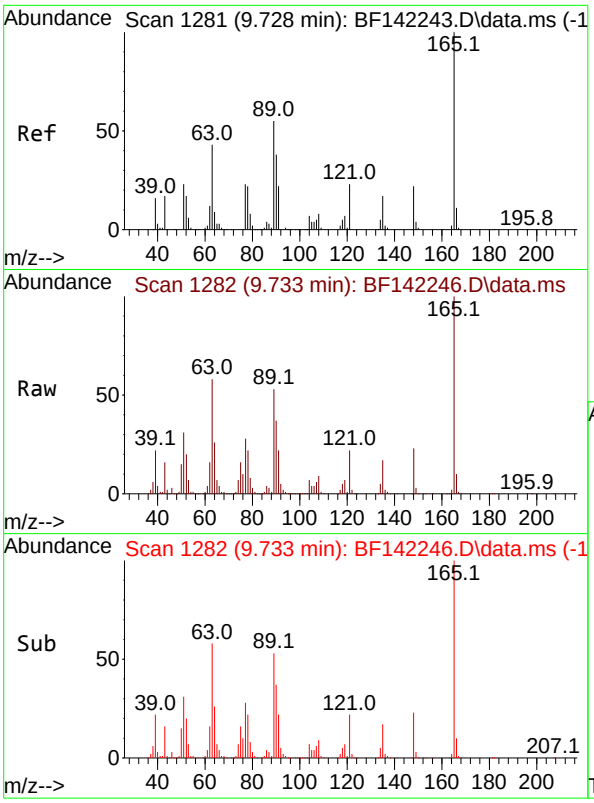


#50
Dimethylphthalate
Concen: 72.052 ng
RT: 9.675 min Scan# 1272
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:163 Resp: 1757977

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.5	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 78.246 ng
RT: 9.733 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:165 Resp: 37912

Ion	Ratio	Lower	Upper
165	100		
63	58.4	48.5	72.7
89	52.7	43.9	65.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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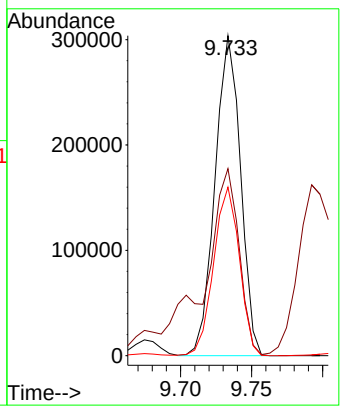
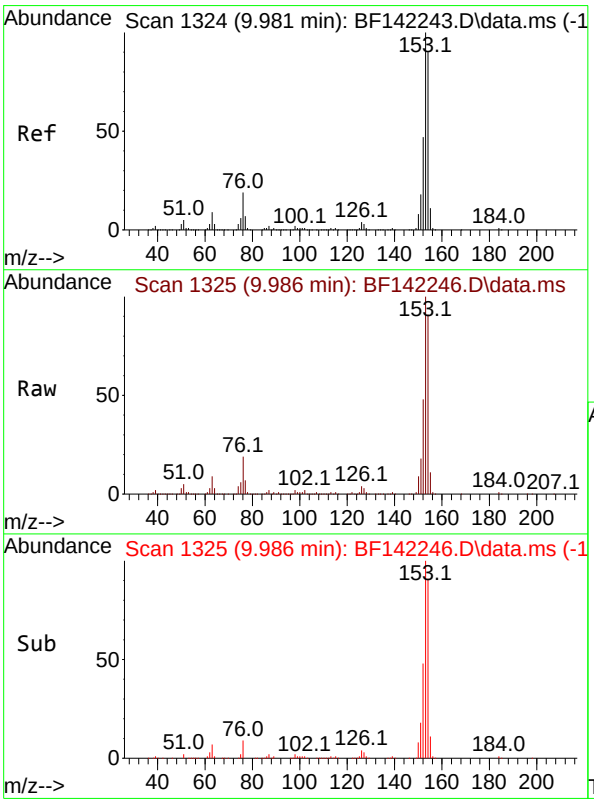
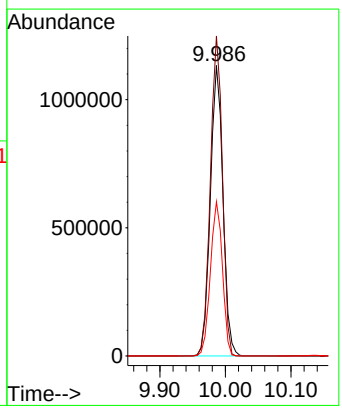


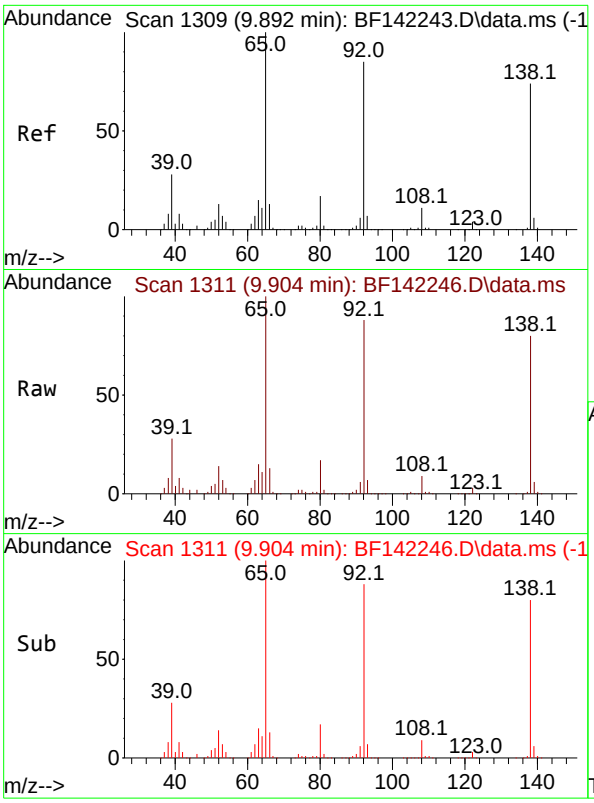


#52
Acenaphthene
Concen: 69.843 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:154 Resp: 1517991

Ion	Ratio	Lower	Upper
154	100		
153	110.2	88.6	133.0
152	53.1	42.1	63.1





#53
3-Nitroaniline
Concen: 78.061 ng
RT: 9.904 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:138 Resp: 45657

Ion	Ratio	Lower	Upper
138	100		
108	11.8	11.7	17.5
92	109.7	91.2	136.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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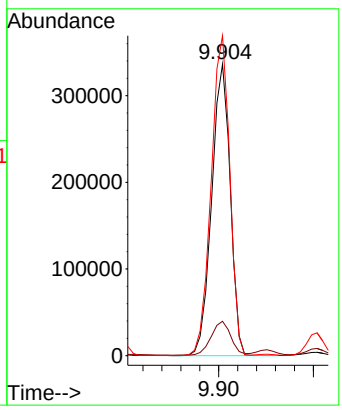
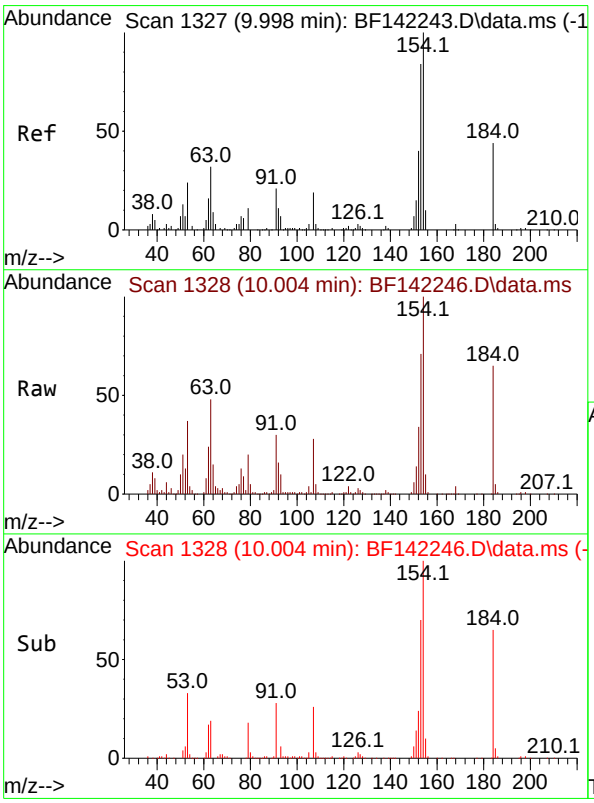
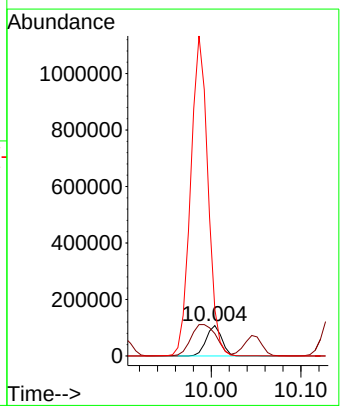


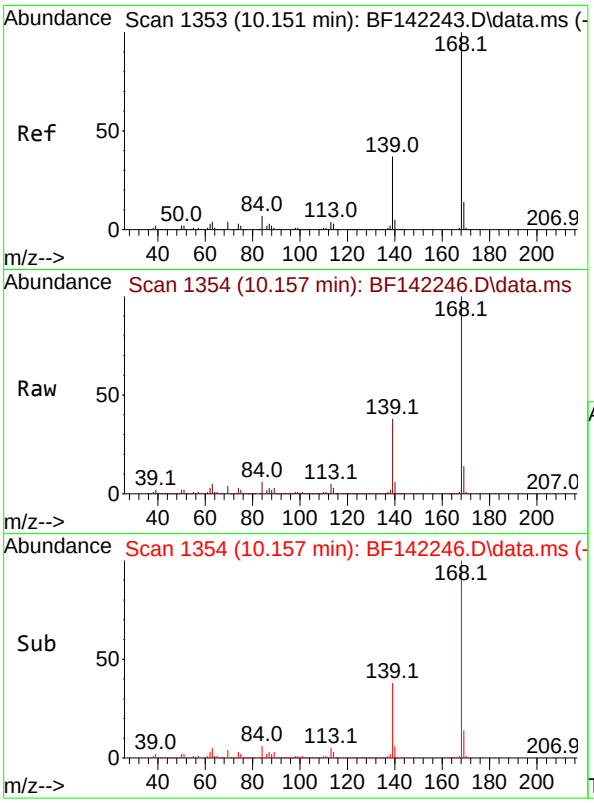


#54
2,4-Dinitrophenol
Concen: 79.532 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:184 Resp: 129817

Ion	Ratio	Lower	Upper
184	100		
63	73.9	69.2	103.8
154	153.5	271.4	407.2#

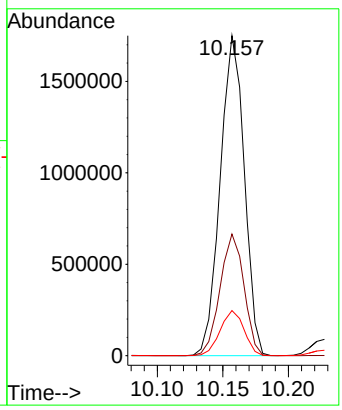




#55
Dibenzofuran
Concen: 68.664 ng
RT: 10.157 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:168 Resp: 223708

Ion	Ratio	Lower	Upper
168	100		
139	38.0	29.4	44.0
169	14.1	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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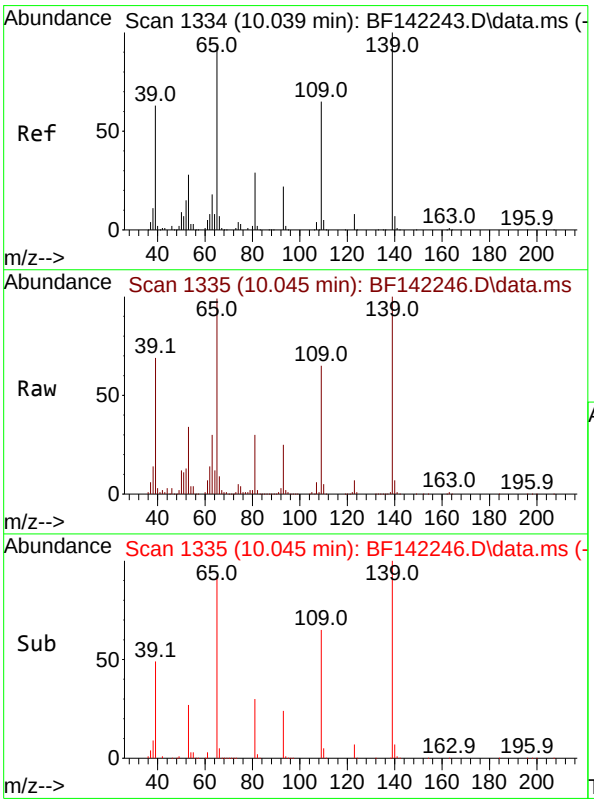
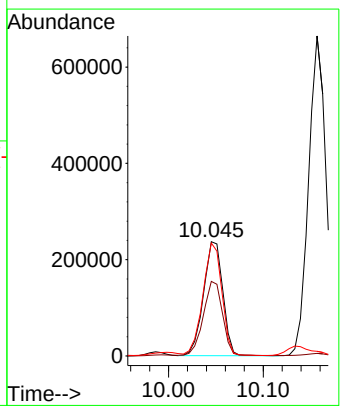
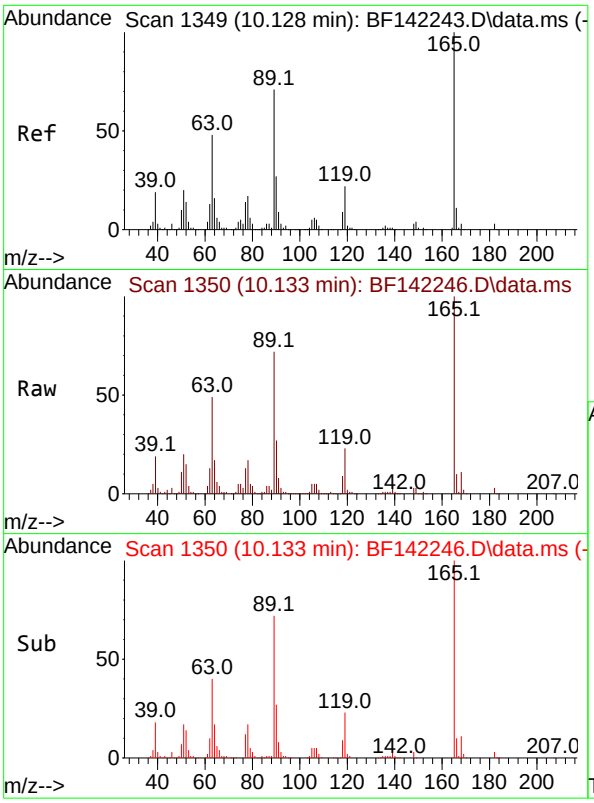


#56
4-Nitrophenol
Concen: 87.357 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:139 Resp: 335015

Ion	Ratio	Lower	Upper
139	100		
109	65.2	44.9	84.9
65	98.8	74.7	114.7

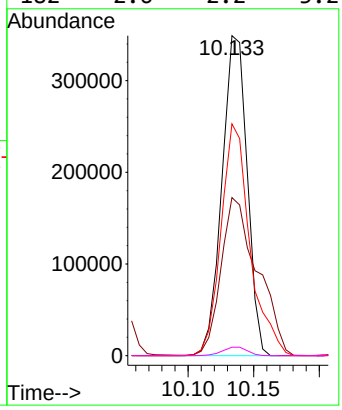




#57
2,4-Dinitrotoluene
Concen: 78.915 ng
RT: 10.133 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:165 Resp: 46754

Ion	Ratio	Lower	Upper
165	100		
63	49.4	38.8	58.2
89	72.5	57.1	85.7
182	2.6	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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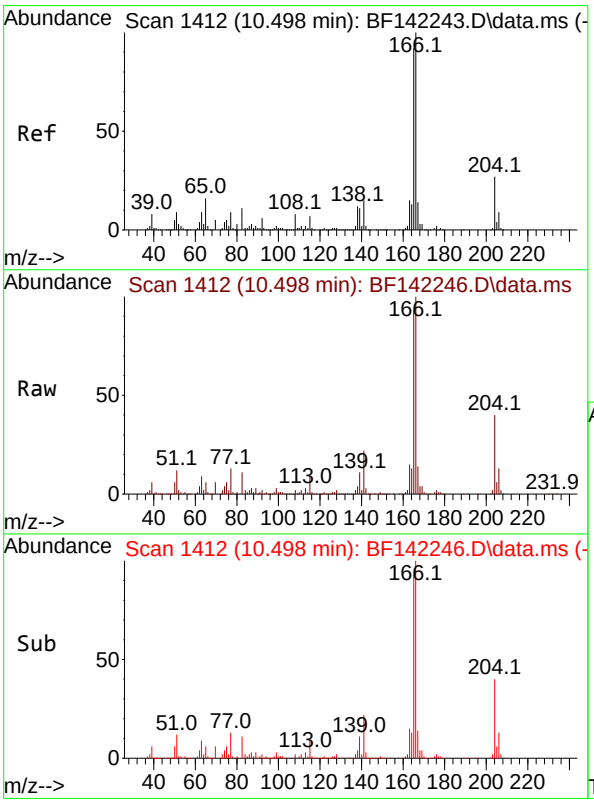
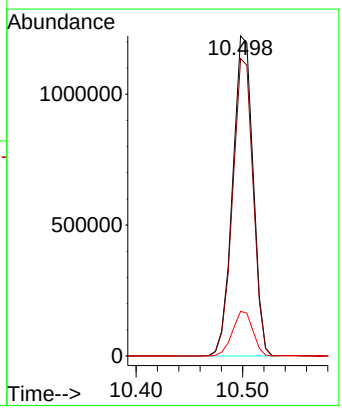
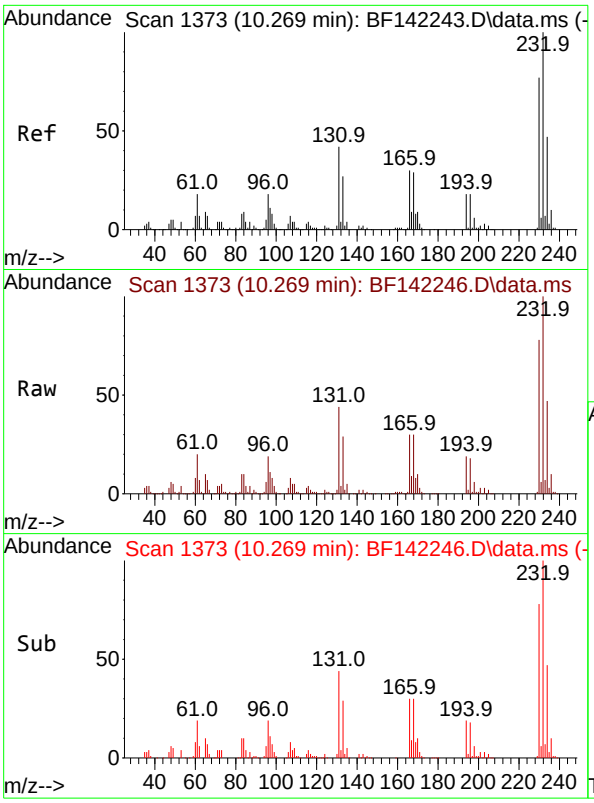


#58
Fluorene
Concen: 65.980 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:166 Resp: 1634486

Ion	Ratio	Lower	Upper
166	100		
165	93.0	73.9	110.9
167	13.9	10.8	16.2

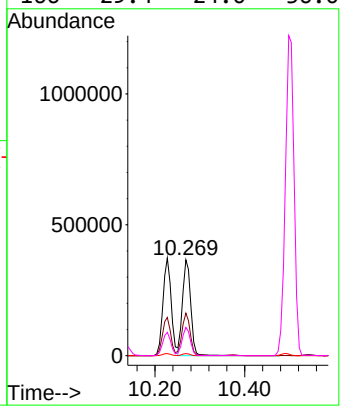




#59
2,3,4,6-Tetrachlorophenol
Concen: 80.286 ng
RT: 10.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:232 Resp: 46505

Ion	Ratio	Lower	Upper
232	100		
131	44.0	35.9	53.9
130	2.2	1.8	2.6
166	29.4	24.0	36.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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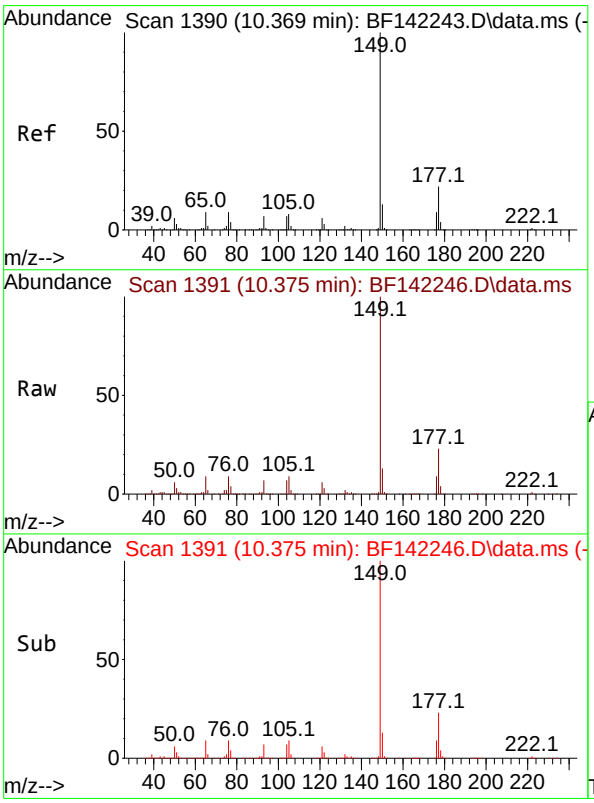
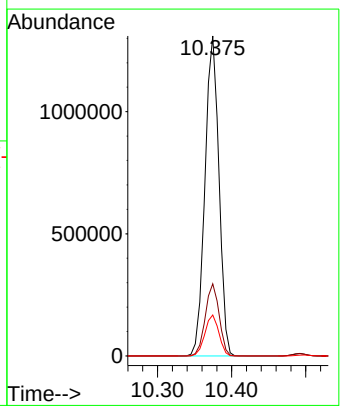
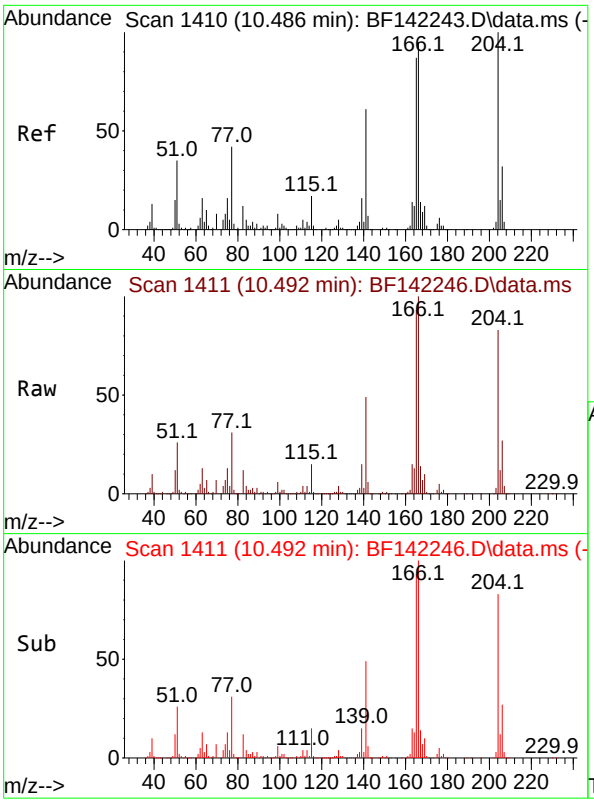


#60
Diethylphthalate
Concen: 71.292 ng
RT: 10.375 min Scan# 1391
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:149 Resp: 1717661

Ion	Ratio	Lower	Upper
149	100		
177	22.5	17.6	26.4
150	12.8	10.2	15.2





#61
4-Chlorophenyl-phenylether
Concen: 68.190 ng
RT: 10.492 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 80222

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.6	38.4
141	58.7	48.9	73.3

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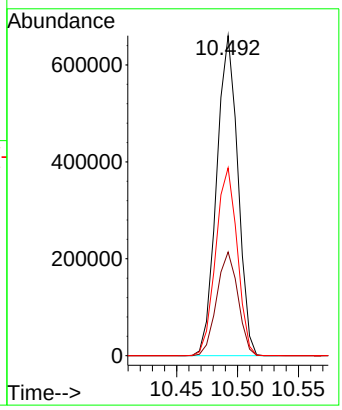
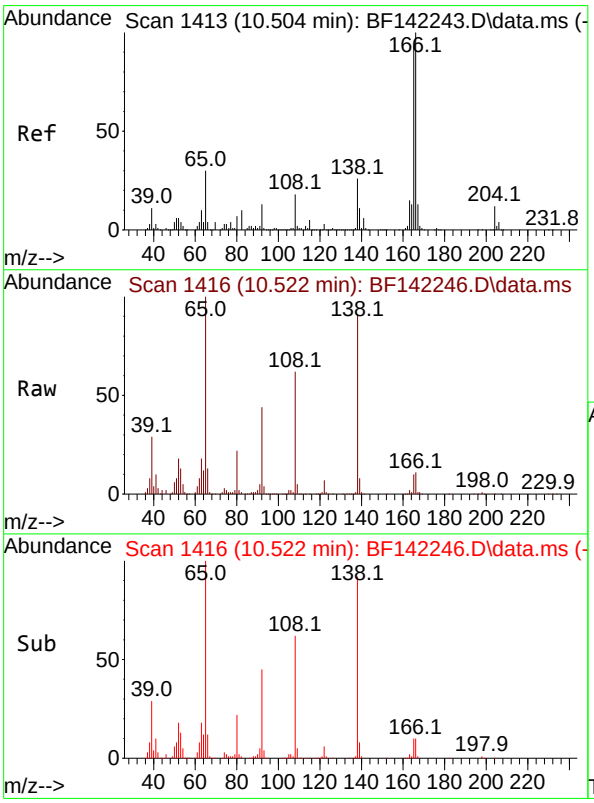
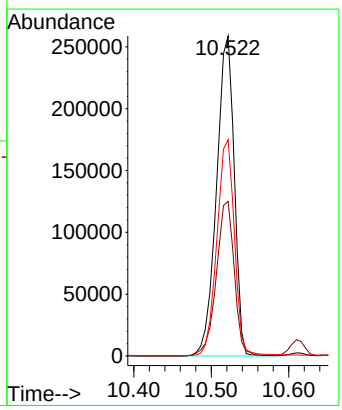


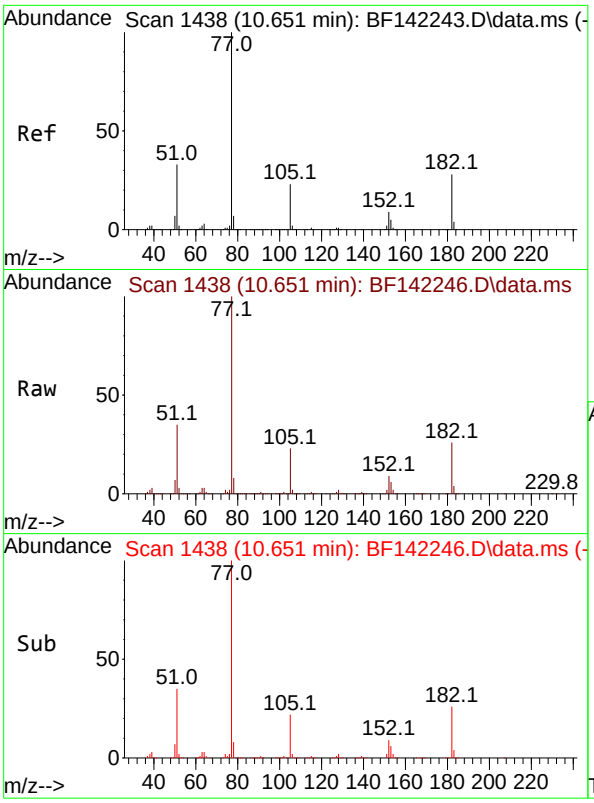


#62
4-Nitroaniline
Concen: 77.614 ng
RT: 10.522 min Scan# 1416
Delta R.T. 0.018 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:138 Resp: 410928

Ion	Ratio	Lower	Upper
138	100		
92	48.3	29.2	69.2
108	67.6	49.1	89.1

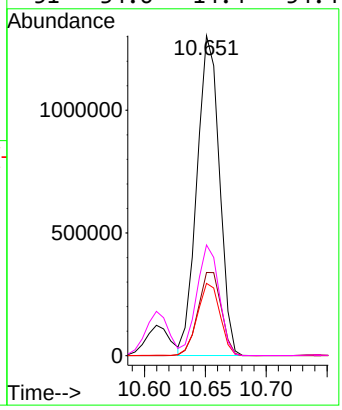




#63
Azobenzene
Concen: 70.379 ng
RT: 10.651 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 77 Resp: 167443

Ion	Ratio	Lower	Upper
77	100		
182	26.0	7.3	47.3
105	22.6	2.5	42.5
51	34.6	14.4	54.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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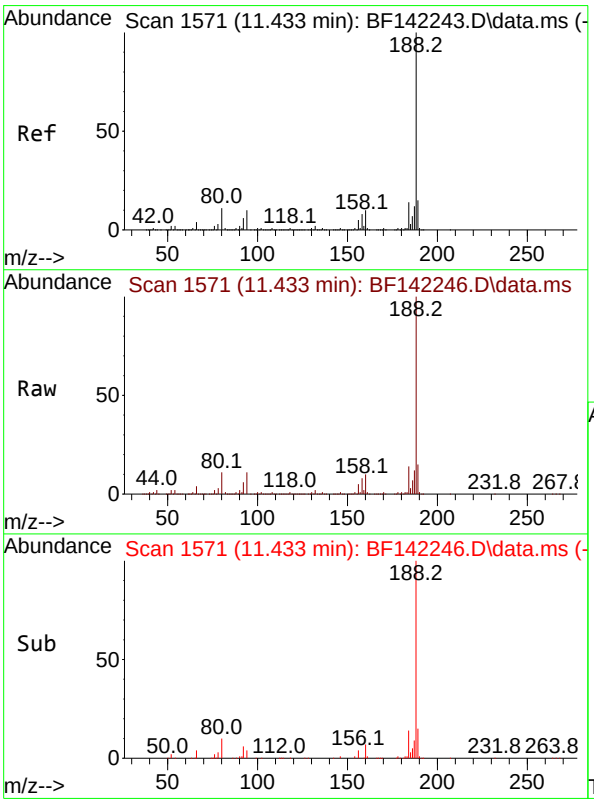
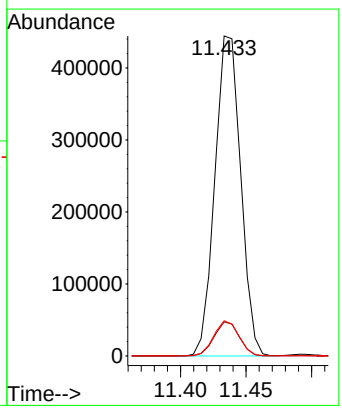
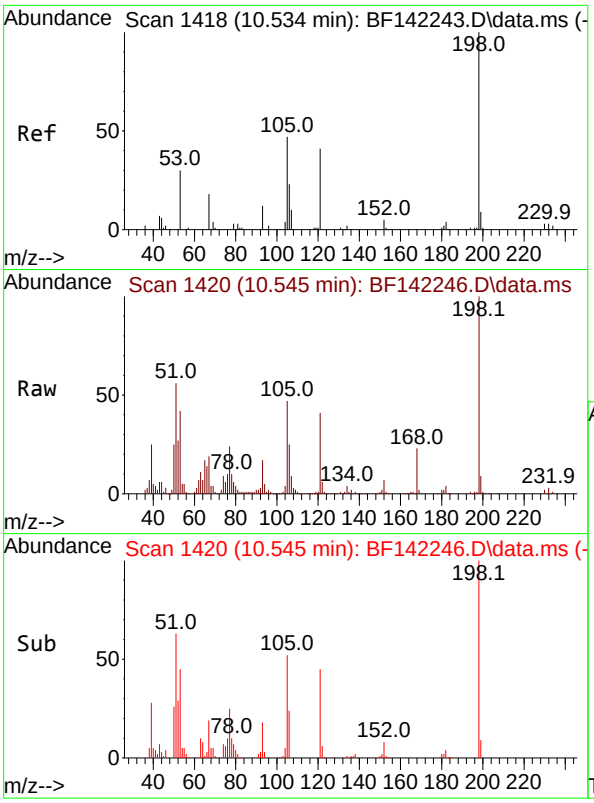


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:188 Resp: 608907

Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.2	12.2
80	11.0	8.6	12.8

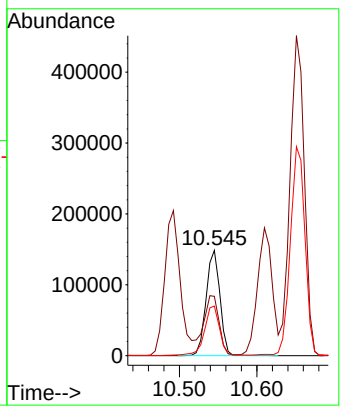




#65
4,6-Dinitro-2-methylphenol
Concen: 81.749 ng
RT: 10.545 min Scan# 14
Delta R.T. 0.011 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:198 Resp: 18318

Ion	Ratio	Lower	Upper
198	100		
51	56.4	40.6	80.6
105	47.1	29.2	69.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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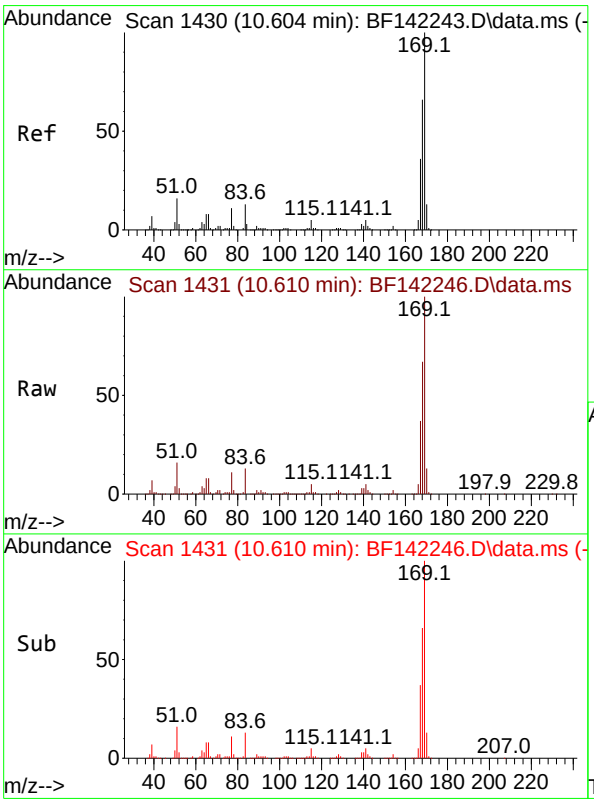
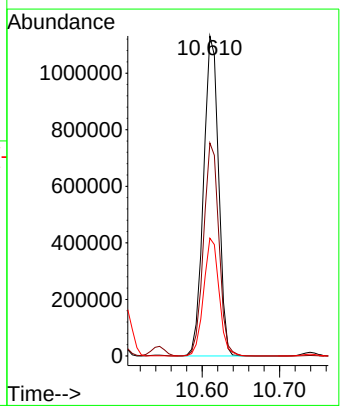
Supervised By :Jagrut Upadhyay 05/01/2025

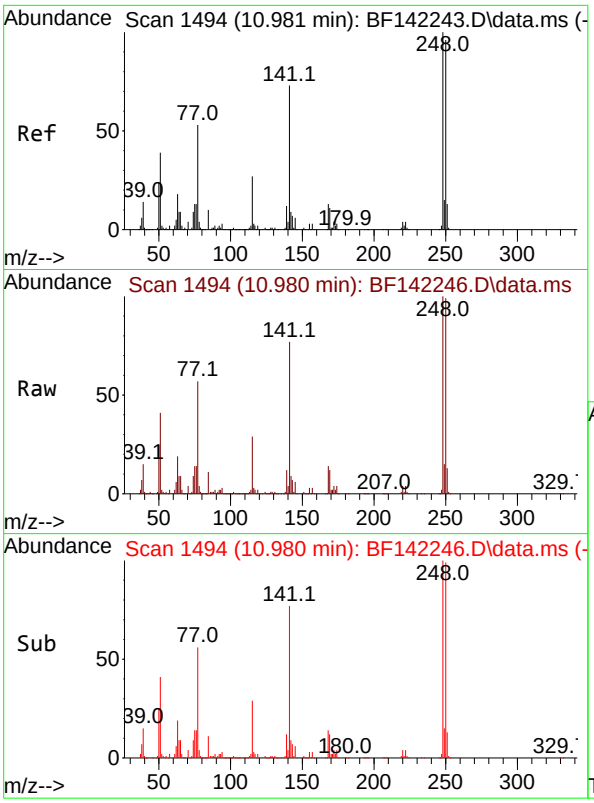


#66
n-Nitrosodiphenylamine
Concen: 72.983 ng
RT: 10.610 min Scan# 1431
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:169 Resp: 1518420

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.0	79.6
167	36.8	28.8	43.2

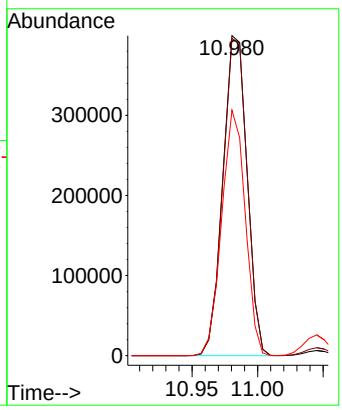




#67
4-Bromophenyl-phenylether
Concen: 75.866 ng
RT: 10.980 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:248 Resp: 51446

Ion	Ratio	Lower	Upper
248	100		
250	99.1	77.2	115.8
141	76.7	58.4	87.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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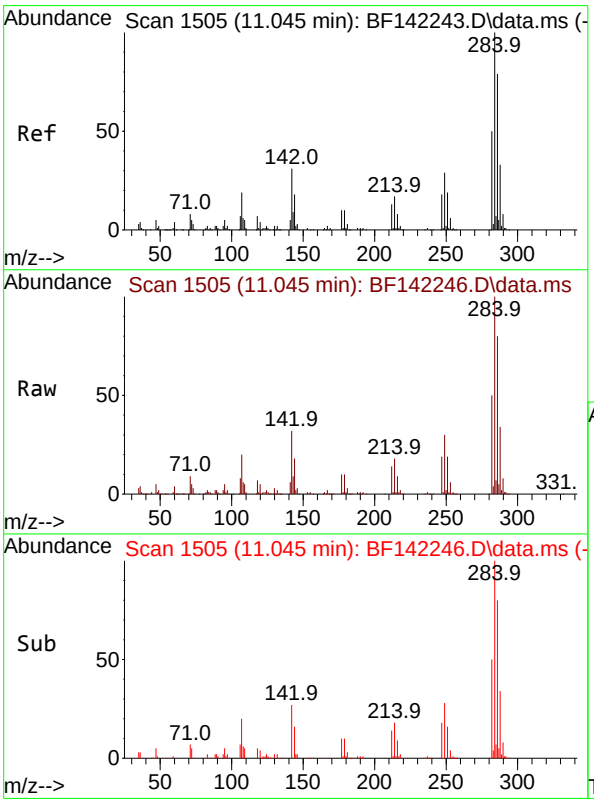
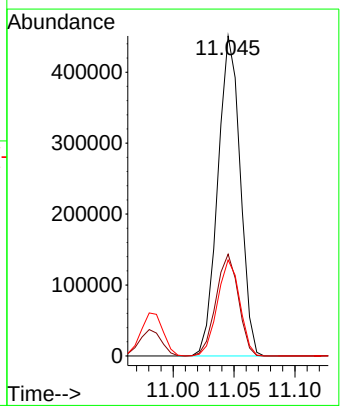
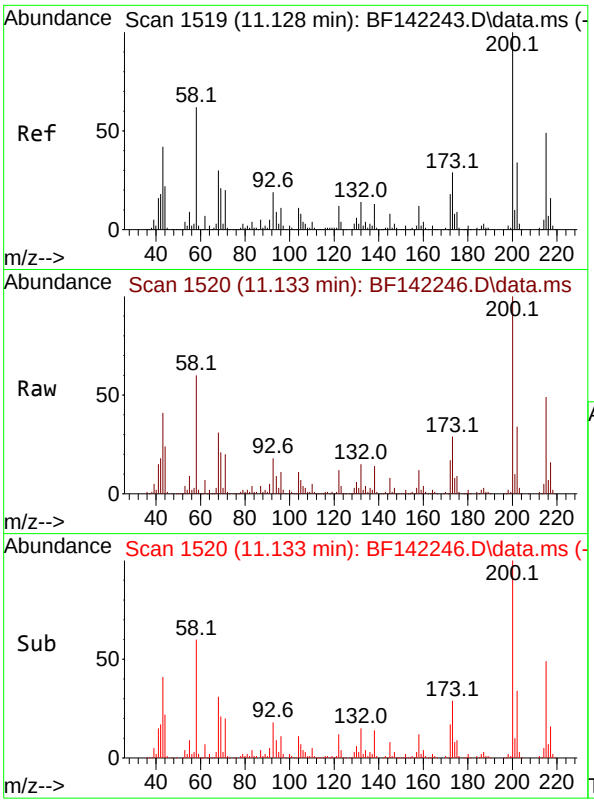


#68
Hexachlorobenzene
Concen: 75.999 ng
RT: 11.045 min Scan# 1505
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:284 Resp: 577203

Ion	Ratio	Lower	Upper
284	100		
142	31.8	24.6	37.0
249	30.0	23.2	34.8

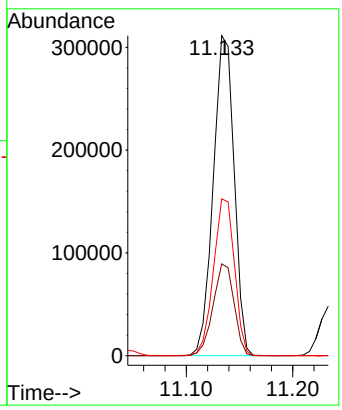




#69
Atrazine
Concen: 77.296 ng
RT: 11.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:200 Resp: 42388

Ion	Ratio	Lower	Upper
200	100		
173	28.7	8.6	48.6
215	49.0	28.5	68.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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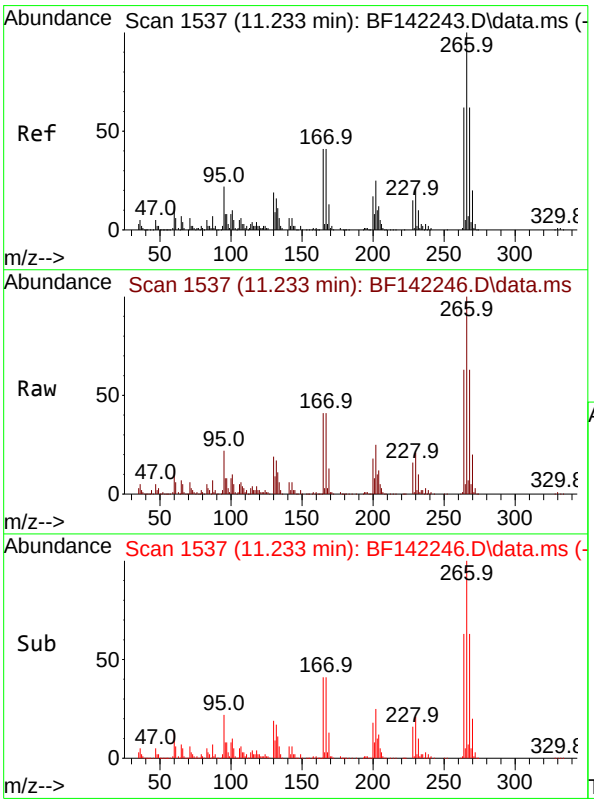
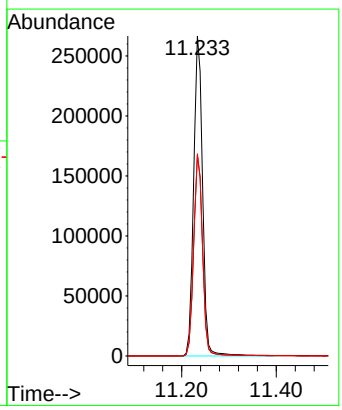
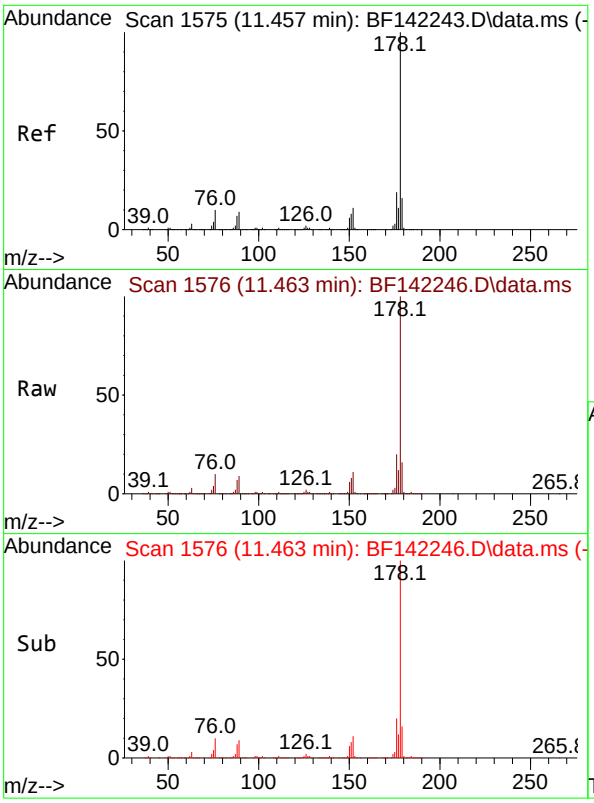


#70
Pentachlorophenol
Concen: 87.235 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:266 Resp: 350009

Ion	Ratio	Lower	Upper
266	100		
268	62.7	50.0	75.0
264	63.2	49.3	73.9

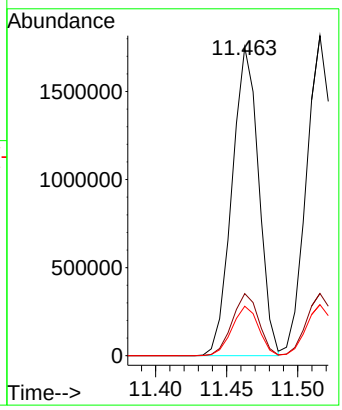




#71
Phenanthrene
Concen: 69.578 ng
RT: 11.463 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:178 Resp: 228848

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.5	23.3
179	16.1	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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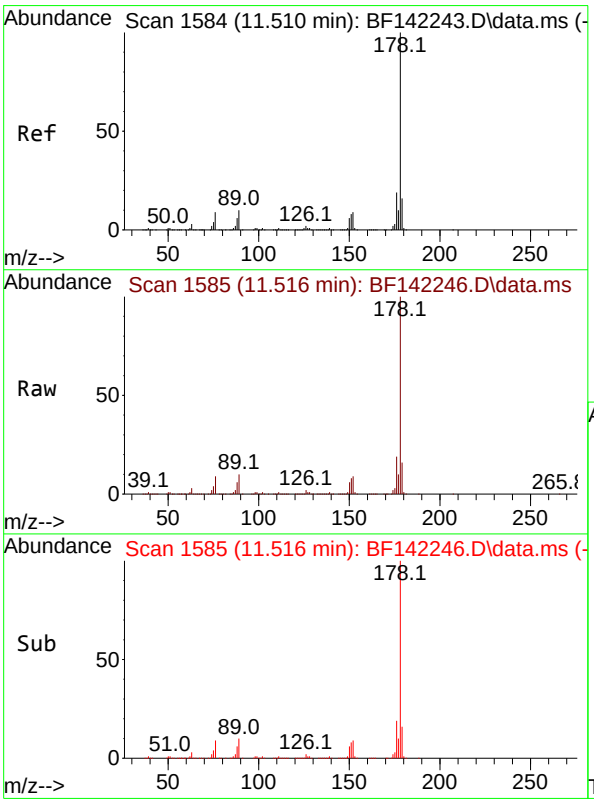
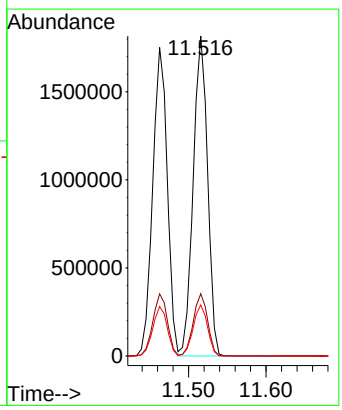
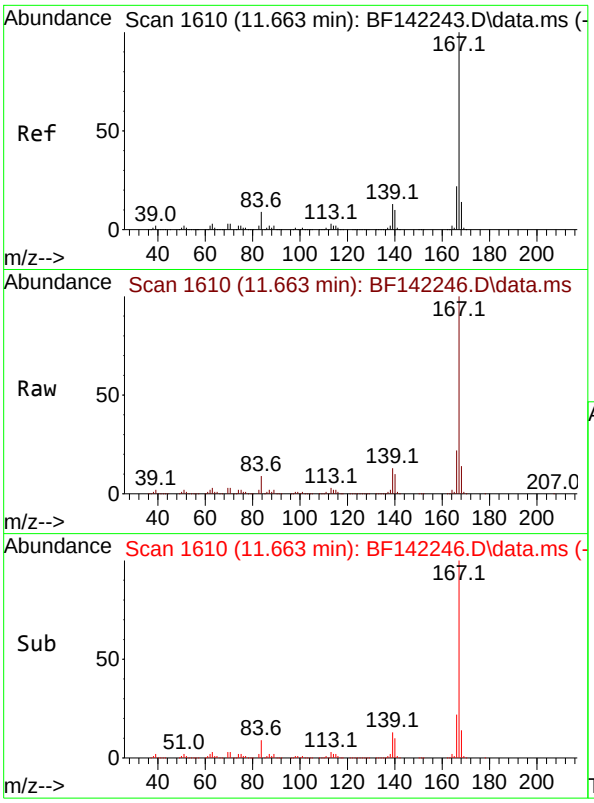


#72
Anthracene
Concen: 69.482 ng
RT: 11.516 min Scan# 1585
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:178 Resp: 2336551

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	15.9	12.7	19.1

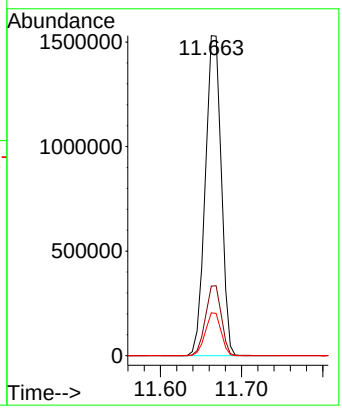




#73
Carbazole
Concen: 68.058 ng
RT: 11.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:167 Resp: 208776

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.3	25.9
139	13.4	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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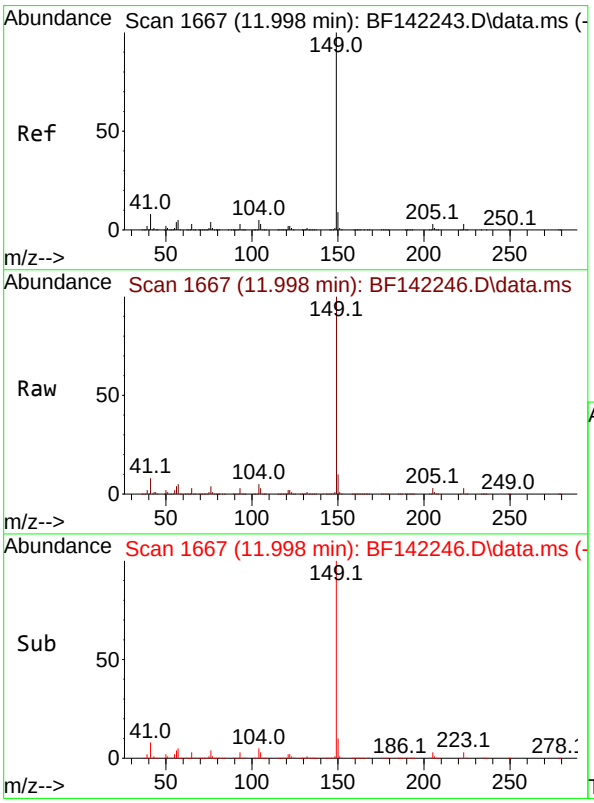
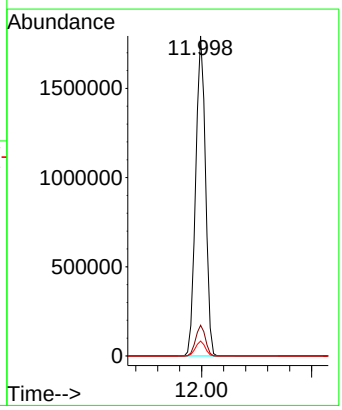
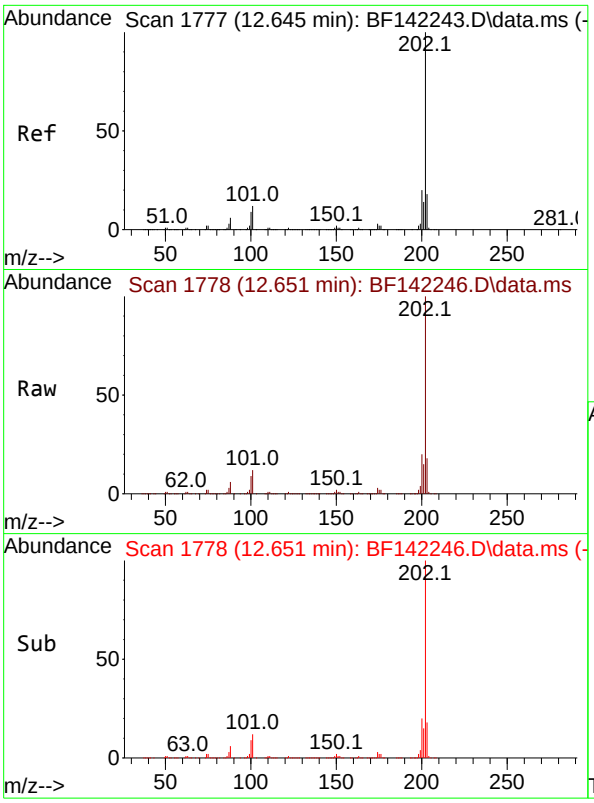


#74
Di-n-butylphthalate
Concen: 72.002 ng
RT: 11.998 min Scan# 1667
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:149 Resp: 2221417

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.5	11.3
104	4.6	3.6	5.4

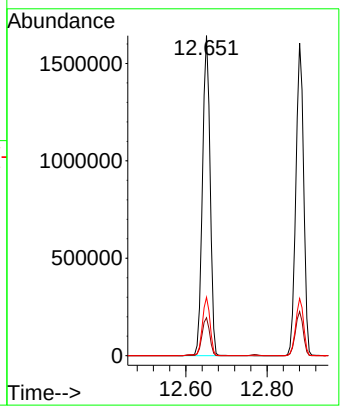




#75
Fluoranthene
Concen: 65.747 ng
RT: 12.651 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:202 Resp: 213763

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	32.4
203	18.2	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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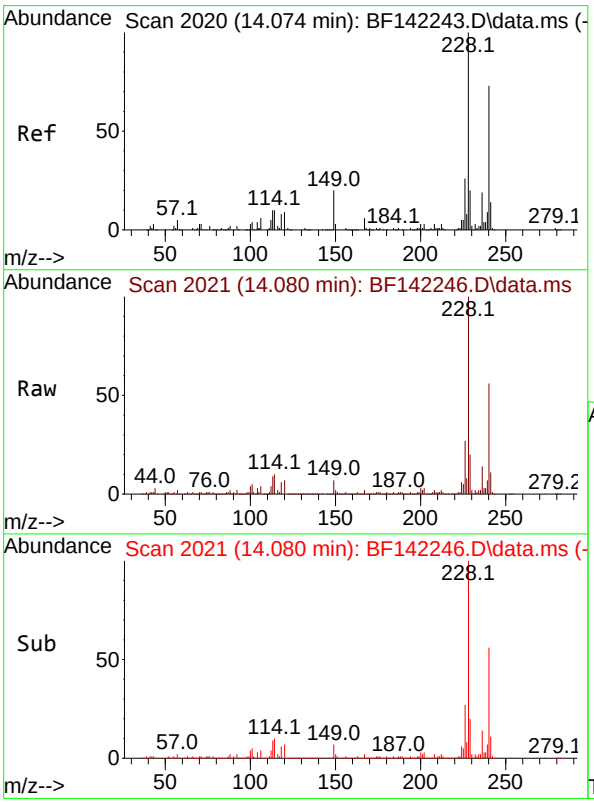
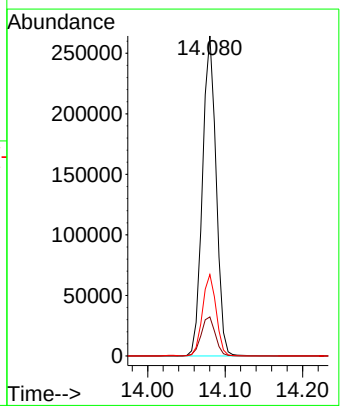
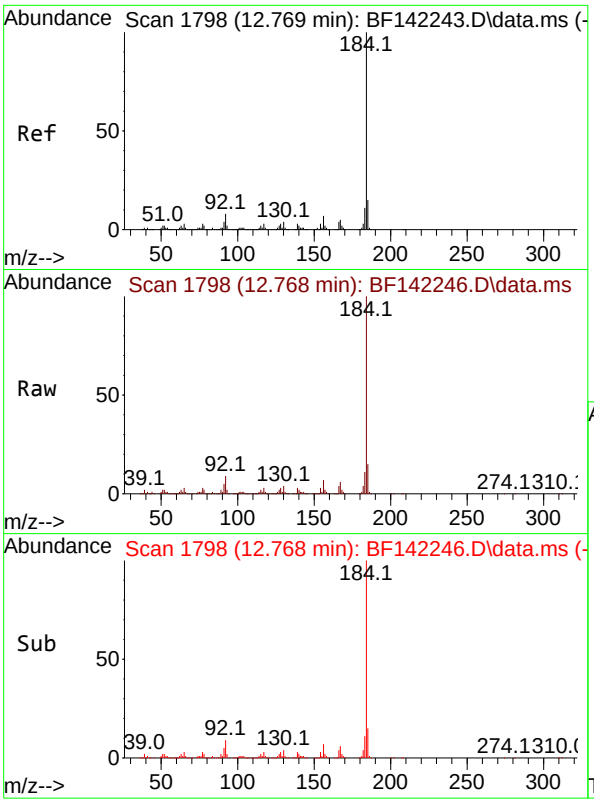


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:240 Resp: 323925

Ion	Ratio	Lower	Upper
240	100		
120	12.2	10.1	15.1
236	25.4	20.5	30.7

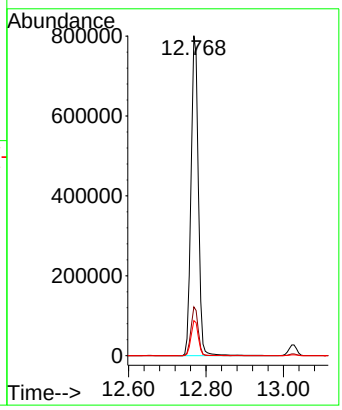




#77
Benzidine
Concen: 76.247 ng
RT: 12.768 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:184 Resp: 104946

Ion	Ratio	Lower	Upper
184	100		
185	15.3	11.8	17.6
183	11.0	8.9	13.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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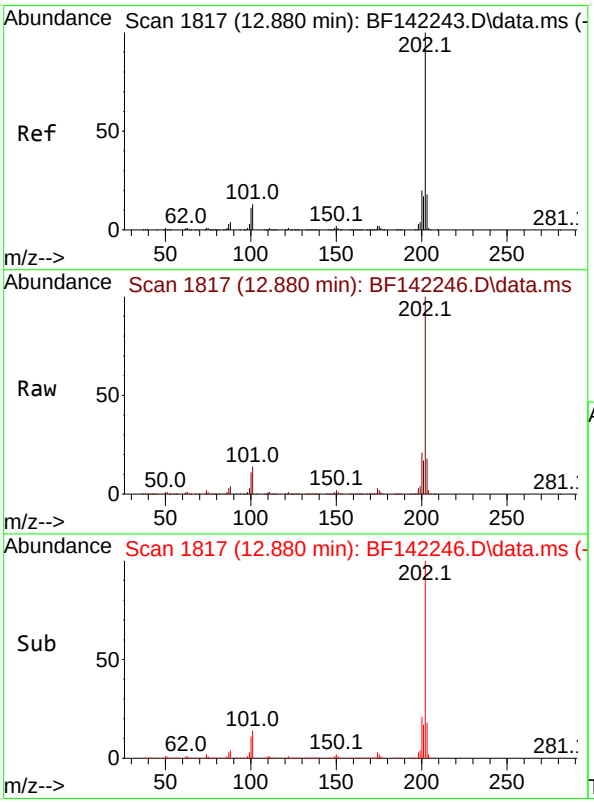
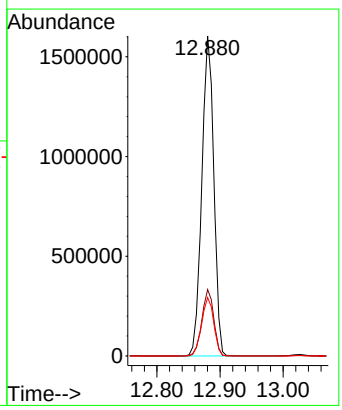
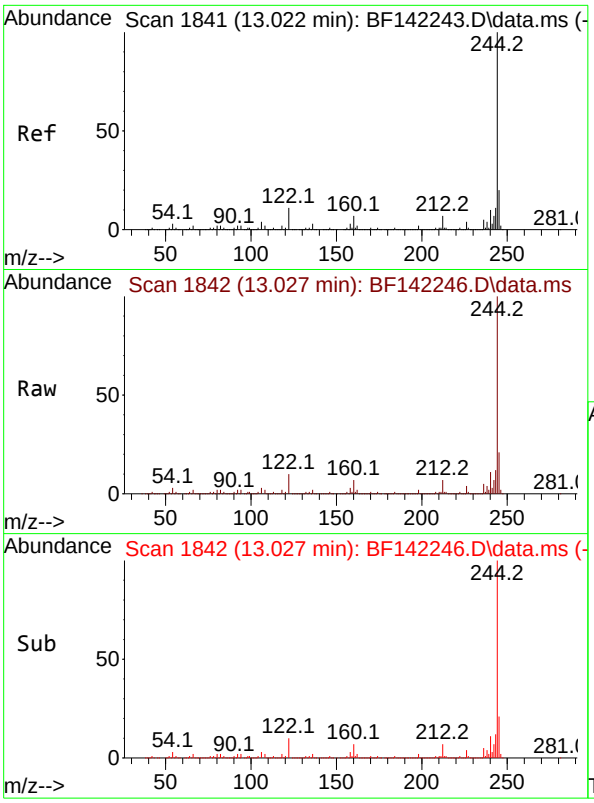


#78
Pyrene
Concen: 70.910 ng
RT: 12.880 min Scan# 1817
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:202 Resp: 2118847

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.1	24.1
203	18.3	14.1	21.1

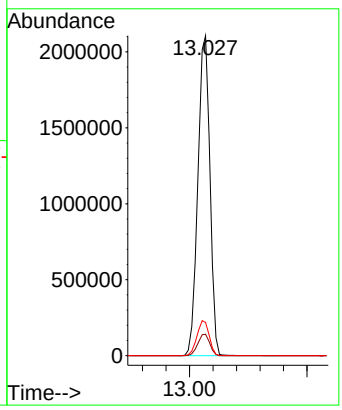




#79
Terphenyl-d14
Concen: 134.413 ng
RT: 13.027 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:244 Resp: 299363

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	10.4	9.1	13.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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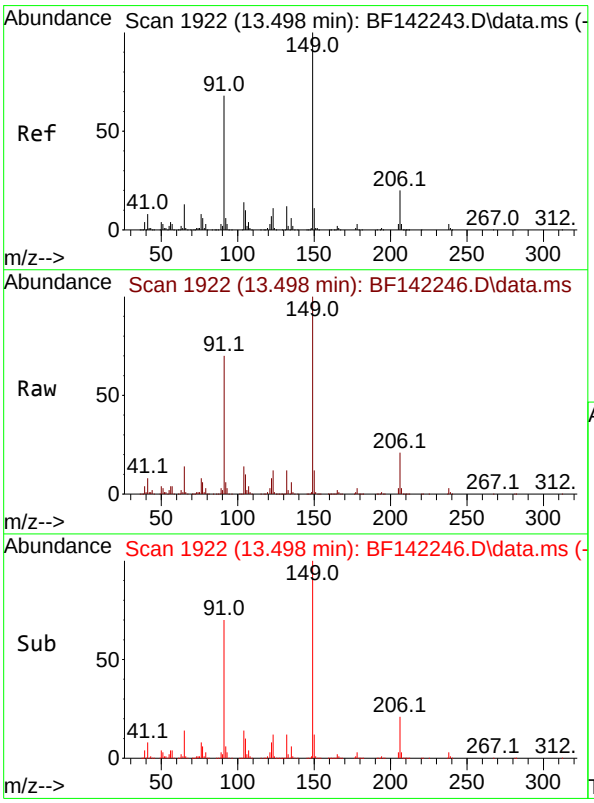
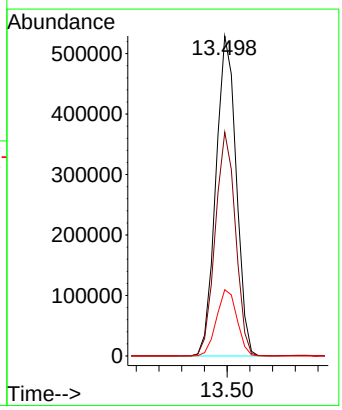
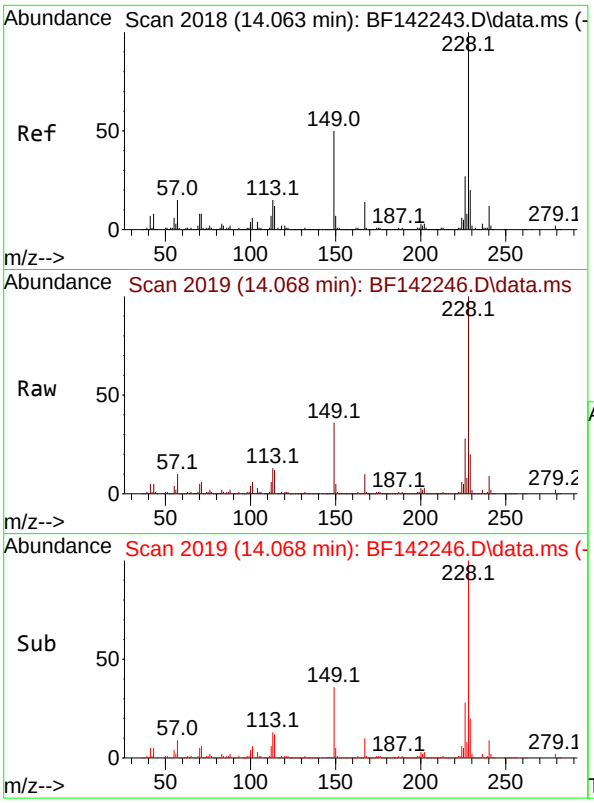


#80
Butylbenzylphthalate
Concen: 78.197 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:149 Resp: 659574

Ion	Ratio	Lower	Upper
149	100		
91	70.0	54.4	81.6
206	20.7	15.9	23.9





#81
Benzo(a)anthracene
Concen: 72.970 ng
RT: 14.068 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:228 Resp: 158677

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.9	32.9
229	20.2	16.0	24.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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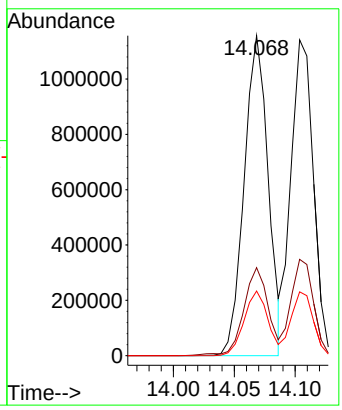
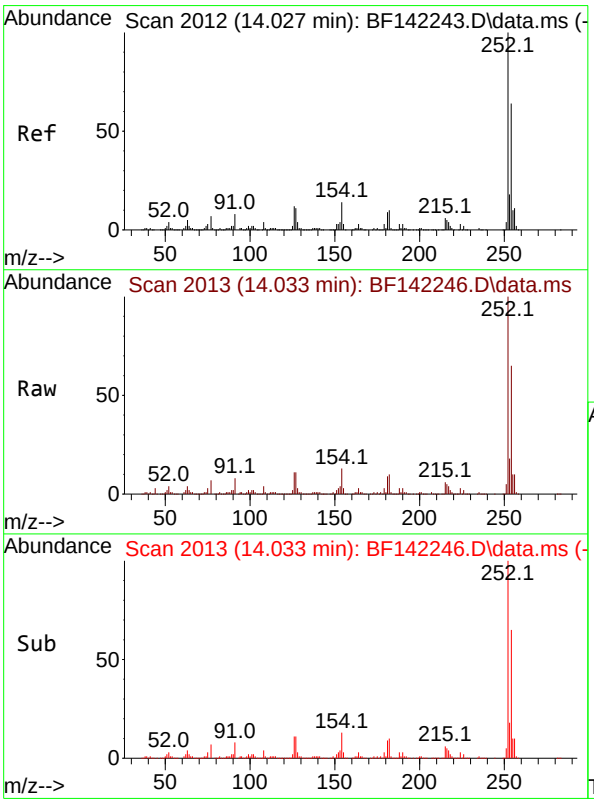
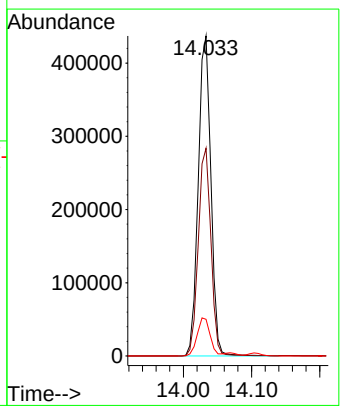


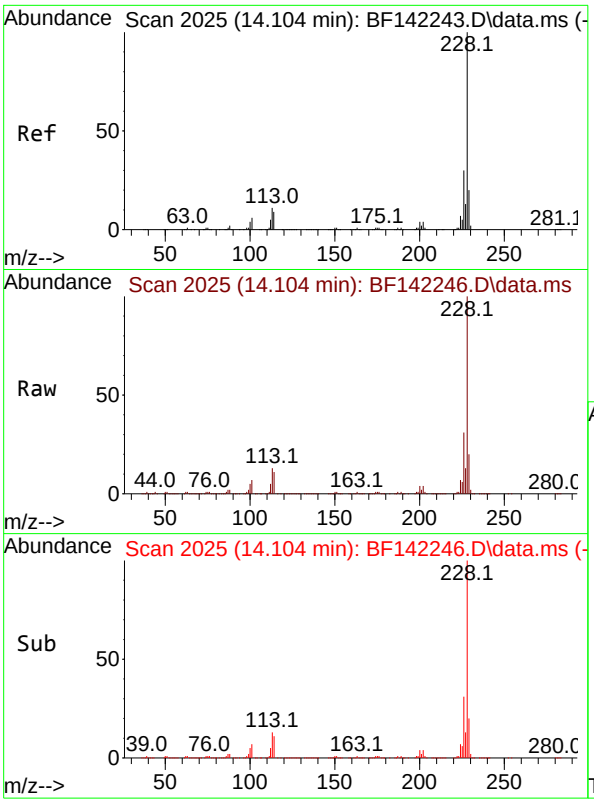


#82
3,3'-Dichlorobenzidine
Concen: 88.259 ng
RT: 14.033 min Scan# 2013
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:252 Resp: 563738

Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.0	76.6
126	11.5	9.4	14.2

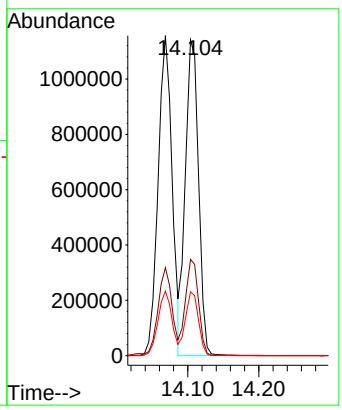




#83
Chrysene
Concen: 74.470 ng
RT: 14.104 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:228 Resp: 147409

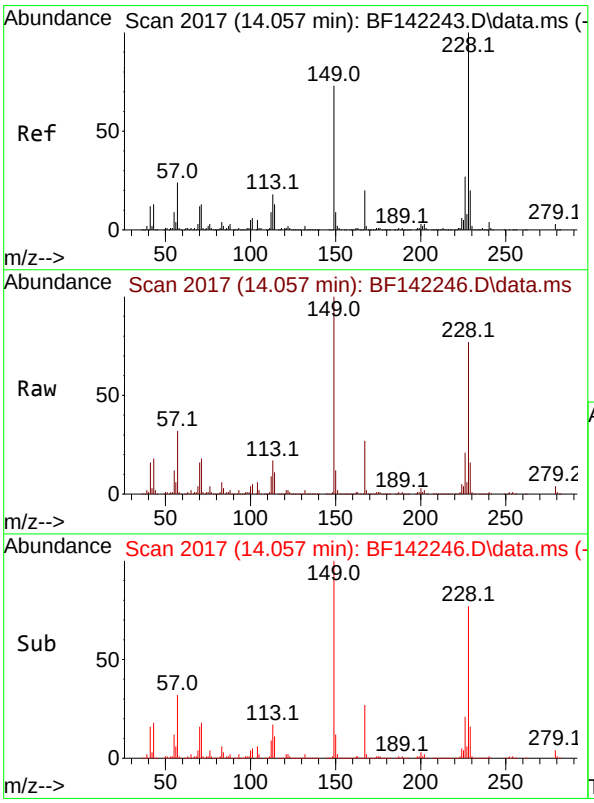
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.0	36.0
229	20.2	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

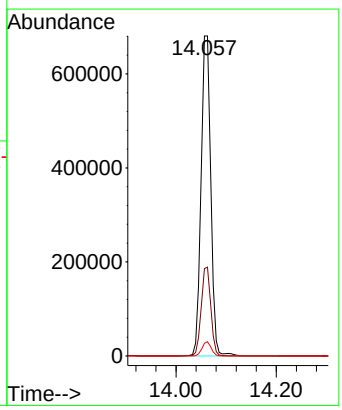
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

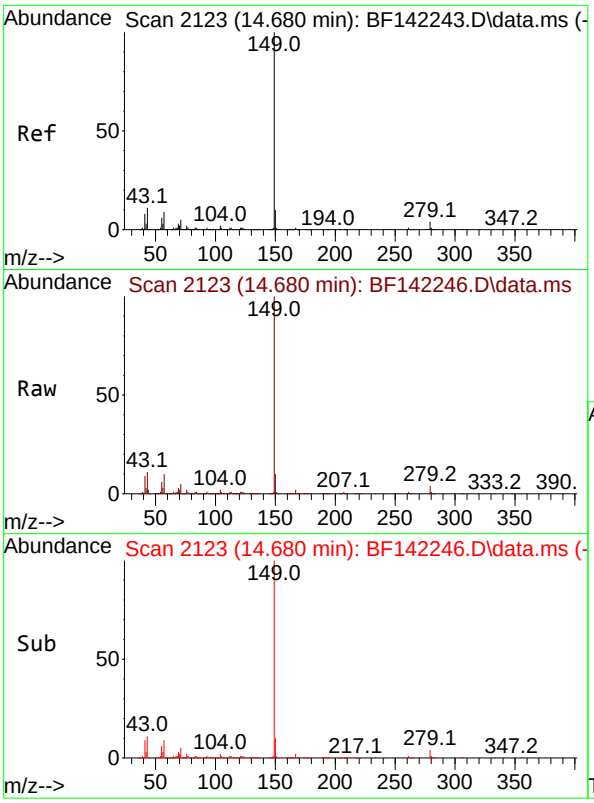


#84
Bis(2-ethylhexyl)phthalate
Concen: 78.547 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:149 Resp: 915684

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.7	32.5
279	3.9	3.0	4.4





#85
Di-n-octyl phthalate
Concen: 78.594 ng
RT: 14.680 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

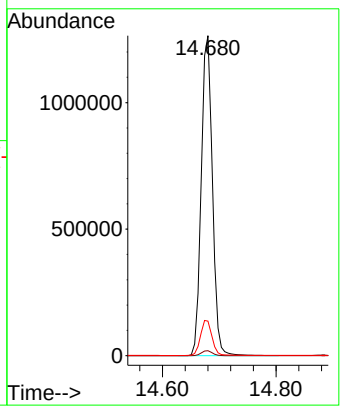
Tgt Ion:149 Resp: 172221

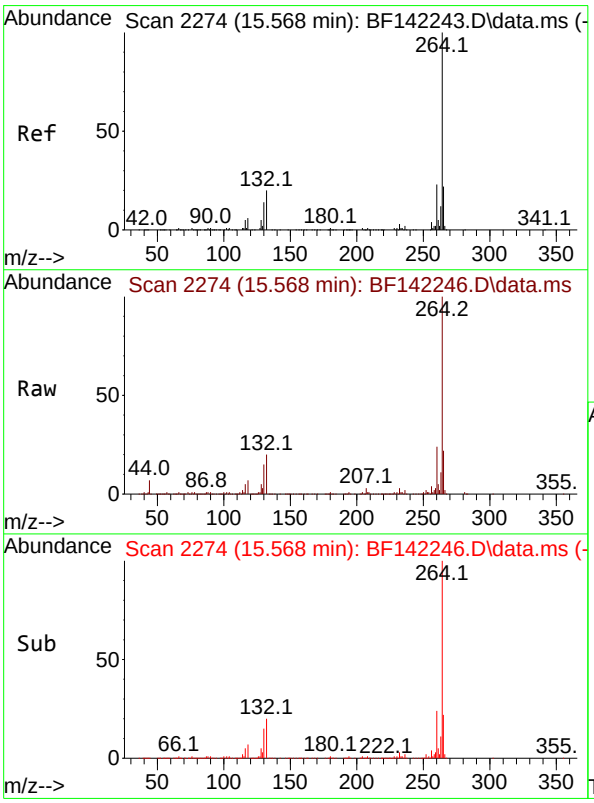
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	11.4	9.3	13.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

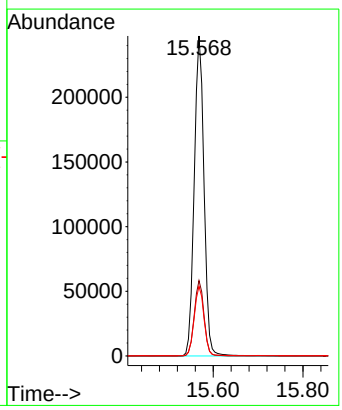


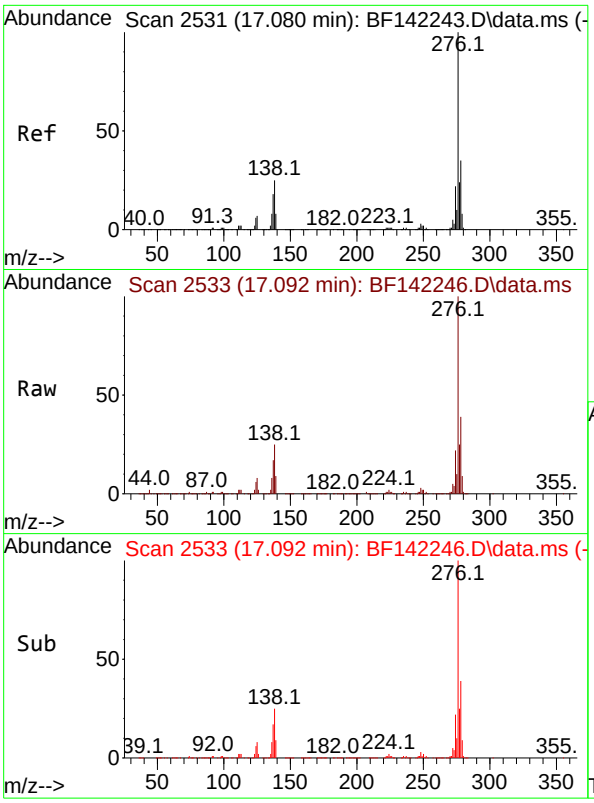


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:264 Resp: 374102

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.4	27.6
265	21.8	17.3	25.9

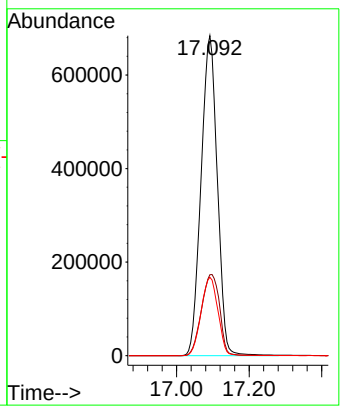




#87
Indeno(1,2,3-cd)pyrene
Concen: 77.677 ng
RT: 17.092 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:276 Resp: 212847

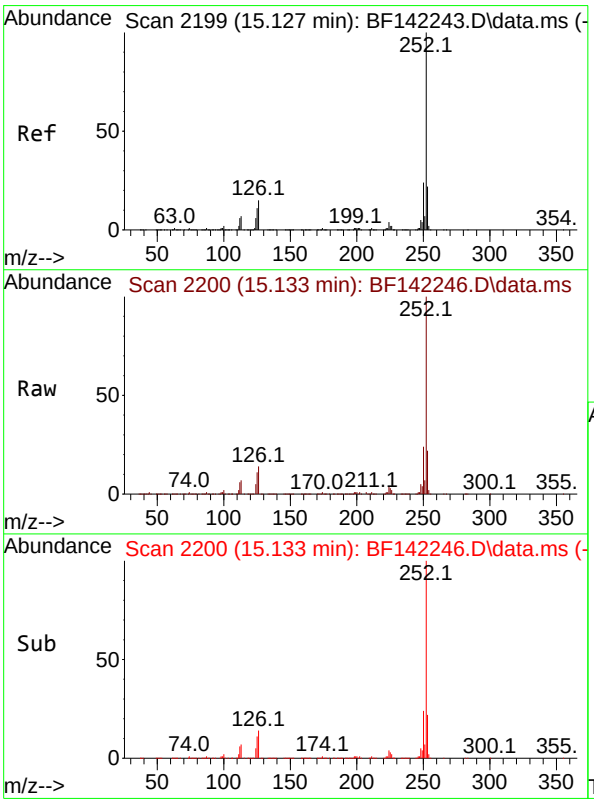
Ion	Ratio	Lower	Upper
276	100		
138	28.4	22.6	33.8
277	25.4	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

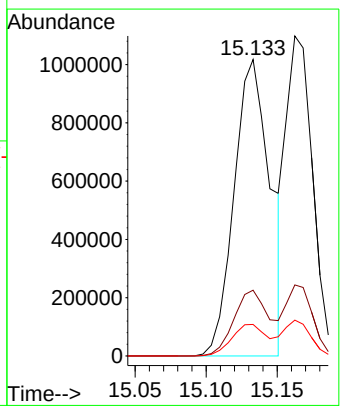
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

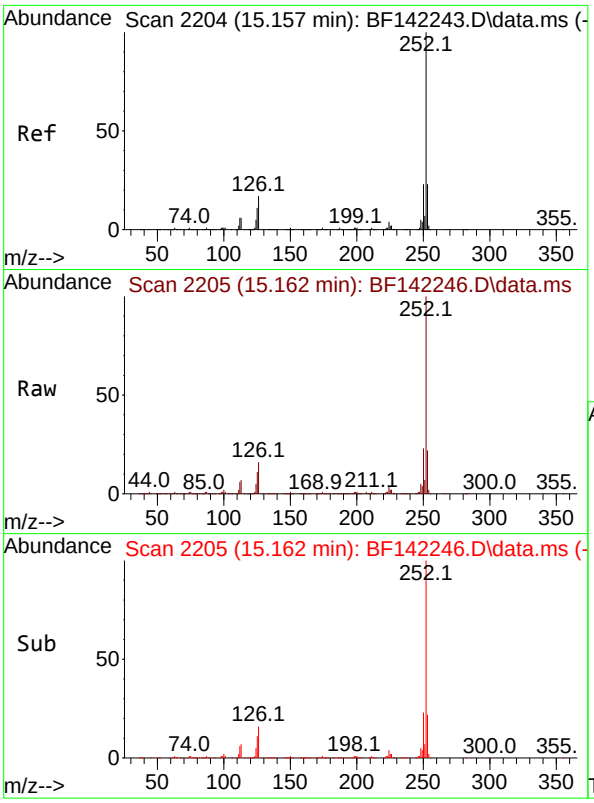


#88
Benzo(b)fluoranthene
Concen: 77.378 ng
RT: 15.133 min Scan# 2200
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:252 Resp: 1798083

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	10.6	9.0	13.4

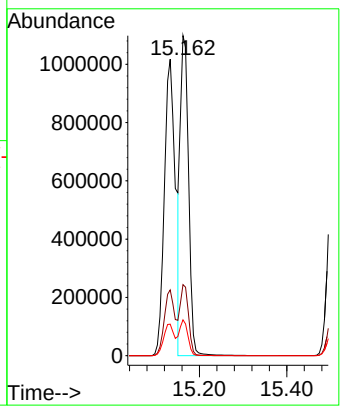




#89
Benzo(k)fluoranthene
Concen: 67.716 ng
RT: 15.162 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:252 Resp: 143930

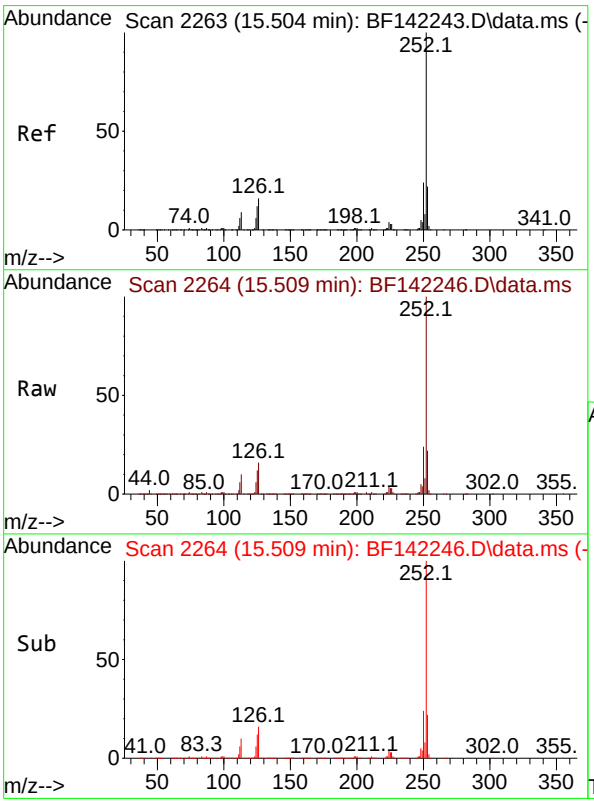
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	11.2	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

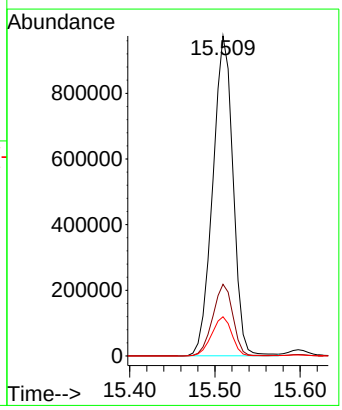
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

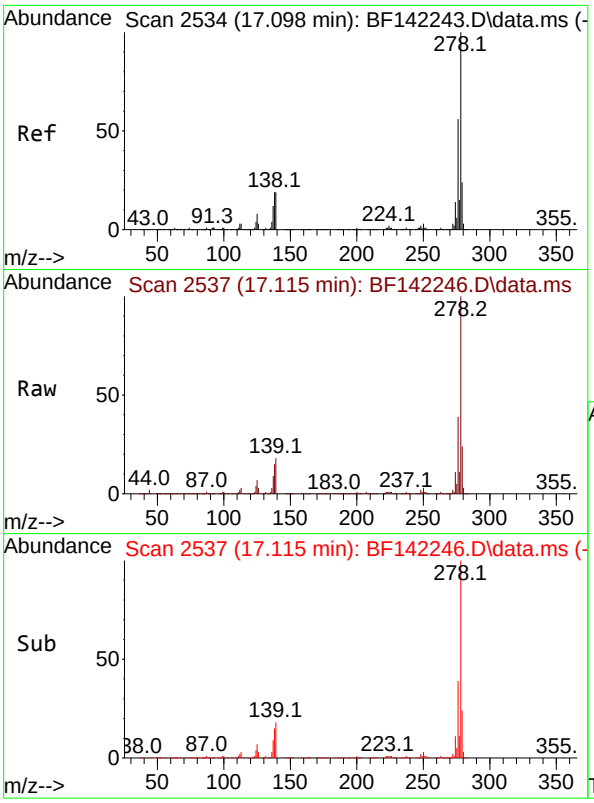


#90
Benzo(a)pyrene
Concen: 75.685 ng
RT: 15.509 min Scan# 2264
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:252 Resp: 1610193

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	12.2	9.5	14.3

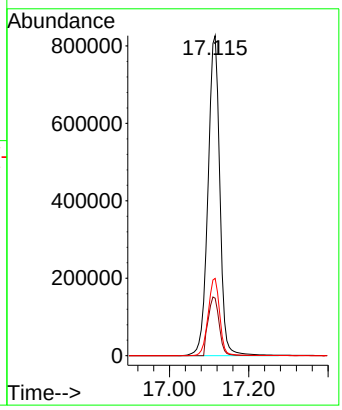




#91
Dibenzo(a,h)anthracene
Concen: 76.989 ng
RT: 17.115 min Scan# 2
Delta R.T. 0.017 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:278 Resp: 171218

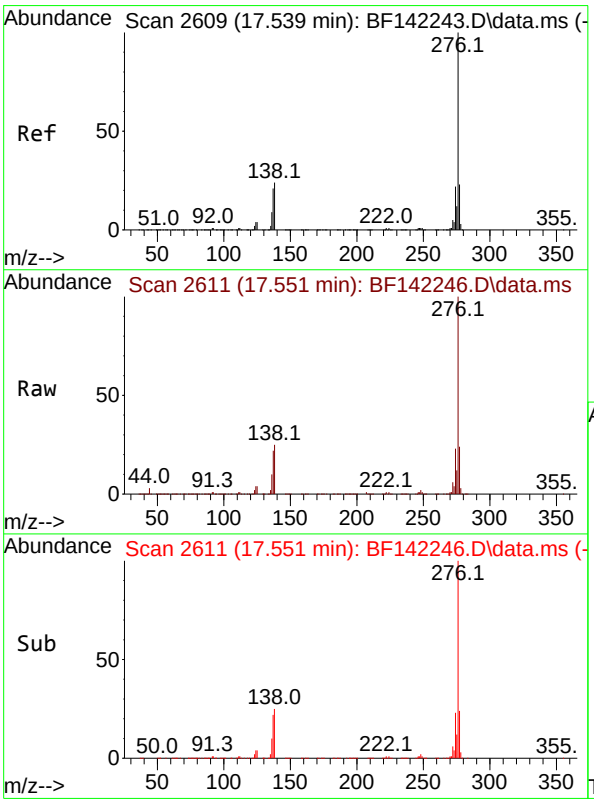
Ion	Ratio	Lower	Upper
278	100		
139	17.9	15.2	22.8
279	24.1	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

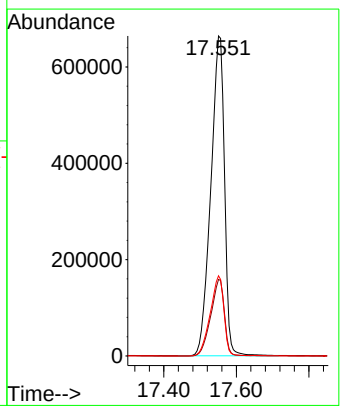
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025



#92
Benzo(g,h,i)perylene
Concen: 77.757 ng
RT: 17.551 min Scan# 2611
Delta R.T. 0.012 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:276 Resp: 1738450

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.7	28.1
138	25.1	19.4	29.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142247.D
Acq On : 30 Apr 2025 16:17
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

Quant Time: Apr 30 16:36:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	185327	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	725482	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	381170	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	633040	20.000	ng	0.00
76) Chrysene-d12	14.074	240	345729	20.000	ng	0.00
86) Perylene-d12	15.562	264	342826	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	987704	85.116	ng	0.00
7) Phenol-d6	6.522	99	1201328	85.730	ng	0.00
23) Nitrobenzene-d5	7.469	82	1091522	98.845	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	323319	93.044	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	2157499	79.807	ng	0.00
79) Terphenyl-d14	13.021	244	2037561	85.716	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.699	88	219939	42.438	ng	98
3) Pyridine	3.469	79	572034	42.469	ng	99
4) n-Nitrosodimethylamine	3.416	42	299316	42.942	ng	96
6) Aniline	6.569	93	844910	42.598	ng	99
8) 2-Chlorophenol	6.692	128	530021	44.202	ng	98
9) Benzaldehyde	6.457	77	420408	42.925	ng	99
10) Phenol	6.539	94	645155m	42.765	ng	
11) bis(2-Chloroethyl)ether	6.639	93	494843	42.329	ng	98
12) 1,3-Dichlorobenzene	6.851	146	567280	41.819	ng	99
13) 1,4-Dichlorobenzene	6.928	146	572974	41.924	ng	100
14) 1,2-Dichlorobenzene	7.081	146	551216	42.247	ng	99
15) Benzyl Alcohol	7.045	79	431108	43.378	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.181	45	901053	42.684	ng	99
17) 2-Methylphenol	7.151	107	415403	42.288	ng	98
18) Hexachloroethane	7.422	117	197959	44.255	ng	95
19) n-Nitroso-di-n-propyla...	7.322	70	363621	41.992	ng	99
20) 3+4-Methylphenols	7.304	107	539514	43.919	ng	98
22) Acetophenone	7.316	105	695539	41.441	ng	98
24) Nitrobenzene	7.492	77	513604	47.402	ng	99
25) Isophorone	7.728	82	968502	41.789	ng	100
26) 2-Nitrophenol	7.804	139	219881	48.175	ng	100
27) 2,4-Dimethylphenol	7.833	122	502502	43.004	ng	100
28) bis(2-Chloroethoxy)met...	7.939	93	610669	41.780	ng	99
29) 2,4-Dichlorophenol	8.039	162	429967	44.013	ng	99
30) 1,2,4-Trichlorobenzene	8.133	180	454848	41.724	ng	100
31) Naphthalene	8.216	128	1483568	41.005	ng	100
32) Benzoic acid	7.933	122	246172m	45.113	ng	
33) 4-Chloroaniline	8.257	127	622894	41.344	ng	100
34) Hexachlorobutadiene	8.333	225	267940	42.127	ng	99
35) Caprolactam	8.622	113	130473	44.434	ng	98
36) 4-Chloro-3-methylphenol	8.728	107	436215	43.485	ng	100
37) 2-Methylnaphthalene	8.904	142	915474	41.155	ng	100
38) 1-Methylnaphthalene	9.004	142	950163	41.232	ng	100
40) 1,2,4,5-Tetrachloroben...	9.069	216	443561	41.349	ng	100
41) Hexachlorocyclopentadiene	9.057	237	288102	47.321	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	303872	45.713	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142247.D
Acq On : 30 Apr 2025 16:17
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

Quant Time: Apr 30 16:36:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	312237	44.676	ng		99
46) 1,1'-Biphenyl	9.369	154	1213047	40.936	ng		100
47) 2-Chloronaphthalene	9.392	162	903974	41.003	ng		99
48) 2-Nitroaniline	9.480	65	269528	46.523	ng		95
49) Acenaphthylene	9.810	152	1533164	41.211	ng		100
50) Dimethylphthalate	9.669	163	1025498	42.054	ng		100
51) 2,6-Dinitrotoluene	9.727	165	211107	45.376	ng		96
52) Acenaphthene	9.980	154	904325	41.631	ng		99
53) 3-Nitroaniline	9.892	138	257926	45.509	ng		96
54) 2,4-Dinitrophenol	9.992	184	62568	49.090	ng	#	6
55) Dibenzofuran	10.151	168	1340934	41.181	ng		100
56) 4-Nitrophenol	10.033	139	191463	49.952	ng		99
57) 2,4-Dinitrotoluene	10.127	165	265412	46.994	ng		96
58) Fluorene	10.492	166	1008032	40.714	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	264709	45.724	ng		100
60) Diethylphthalate	10.369	149	1016722	42.222	ng		100
61) 4-Chlorophenyl-phenyle...	10.486	204	477688	40.626	ng		99
62) 4-Nitroaniline	10.504	138	232165	45.070	ng		98
63) Azobenzene	10.645	77	984443	41.400	ng		99
65) 4,6-Dinitro-2-methylph...	10.533	198	96341	46.598	ng		95
66) n-Nitrosodiphenylamine	10.604	169	904466	41.816	ng		100
67) 4-Bromophenyl-phenylether	10.980	248	299605	42.497	ng		98
68) Hexachlorobenzene	11.039	284	330048	41.800	ng		97
69) Atrazine	11.127	200	255030	44.732	ng		99
70) Pentachlorophenol	11.233	266	197476	47.342	ng		99
71) Phenanthrene	11.457	178	1400439	40.955	ng		100
72) Anthracene	11.510	178	1463247	41.854	ng		100
73) Carbazole	11.663	167	1332856	41.793	ng		99
74) Di-n-butylphthalate	11.992	149	1412919	44.051	ng		100
75) Fluoranthene	12.645	202	1409189	41.690	ng		99
77) Benzidine	12.768	184	682155	46.435	ng		99
78) Pyrene	12.874	202	1405875	44.082	ng		100
80) Butylbenzylphthalate	13.492	149	371146	42.984	ng		98
81) Benzo(a)anthracene	14.062	228	960484	41.383	ng		99
82) 3,3'-Dichlorobenzidine	14.027	252	310153	45.495	ng		98
83) Chrysene	14.098	228	890671	42.158	ng		100
84) Bis(2-ethylhexyl)phtha...	14.057	149	487122	40.882	ng		99
85) Di-n-octyl phthalate	14.674	149	889844	41.178	ng		100
87) Indeno(1,2,3-cd)pyrene	17.074	276	1098774	43.757	ng		99
88) Benzo(b)fluoranthene	15.121	252	860370	40.403	ng		100
89) Benzo(k)fluoranthene	15.157	252	811540	41.665	ng		99
90) Benzo(a)pyrene	15.498	252	826250	42.380	ng		99
91) Dibenzo(a,h)anthracene	17.098	278	887855	43.565	ng		99
92) Benzo(g,h,i)perylene	17.527	276	899474	43.902	ng		99

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

ICAL Form

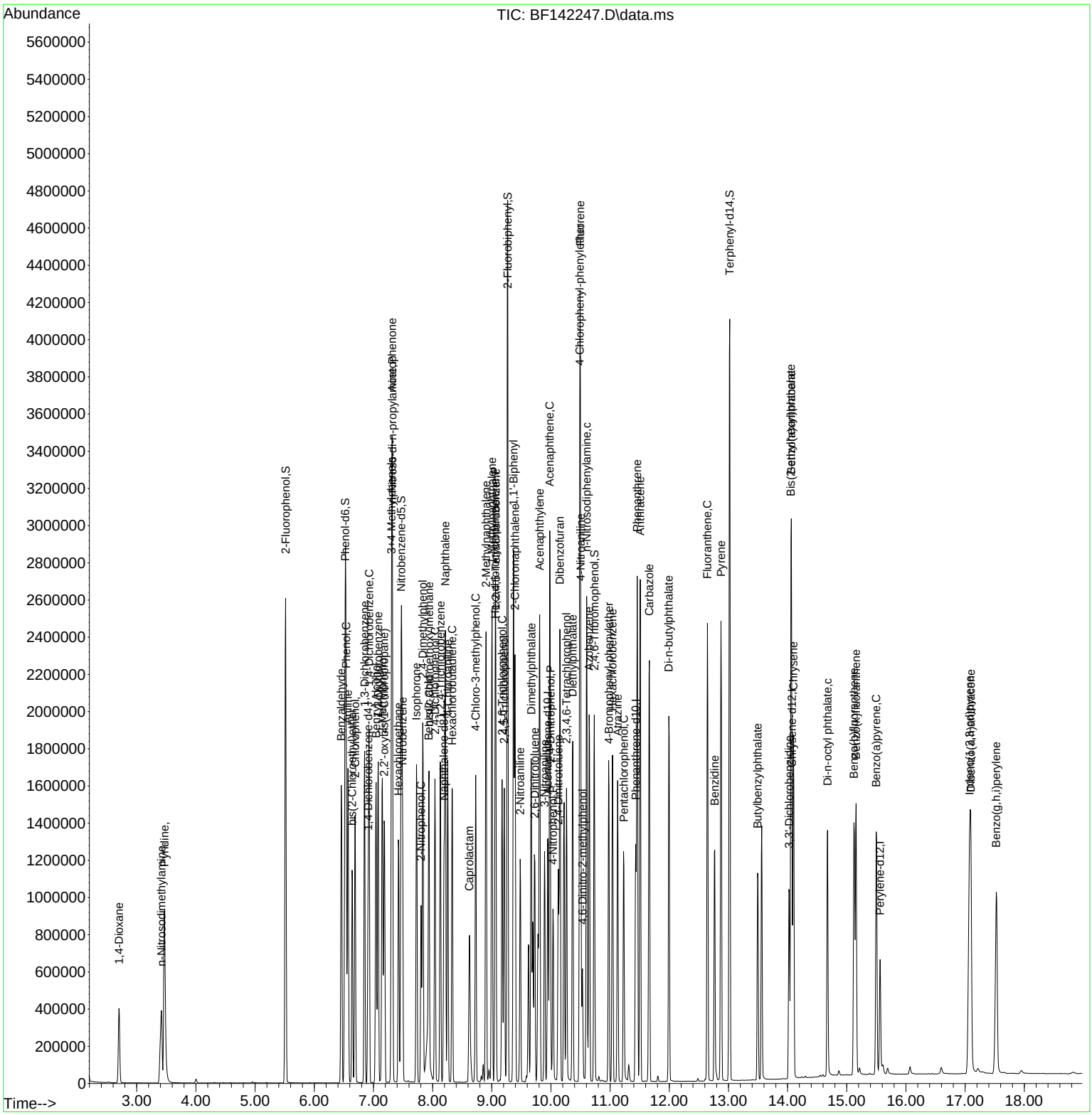
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142247.D
Acq On : 30 Apr 2025 16:17
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

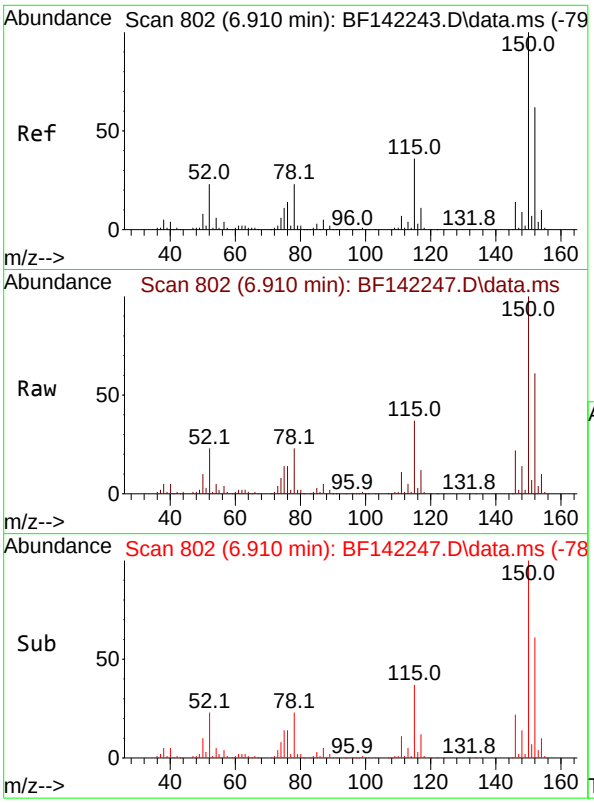
Quant Time: Apr 30 16:36:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

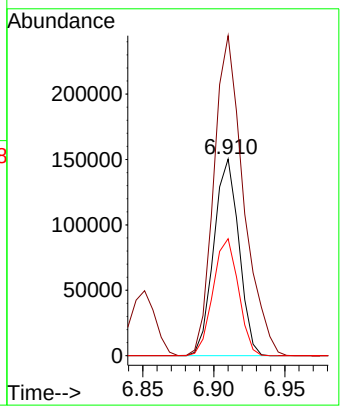




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:152 Resp: 18532

Ion	Ratio	Lower	Upper
152	100		
150	162.7	130.2	195.2
115	59.5	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
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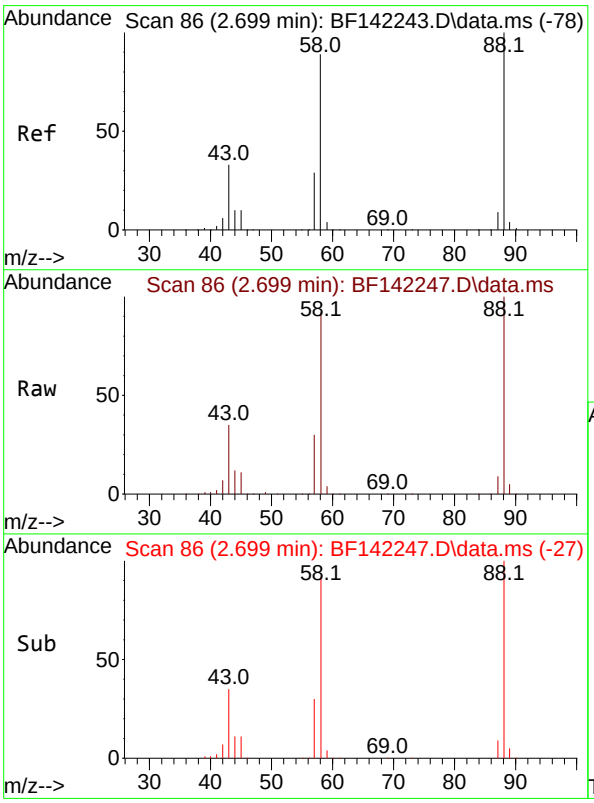
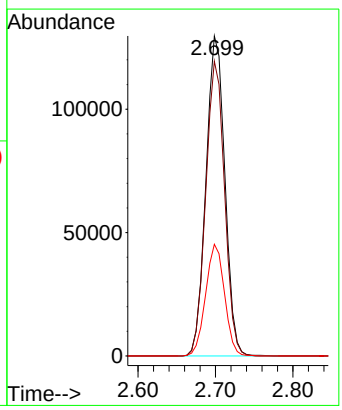
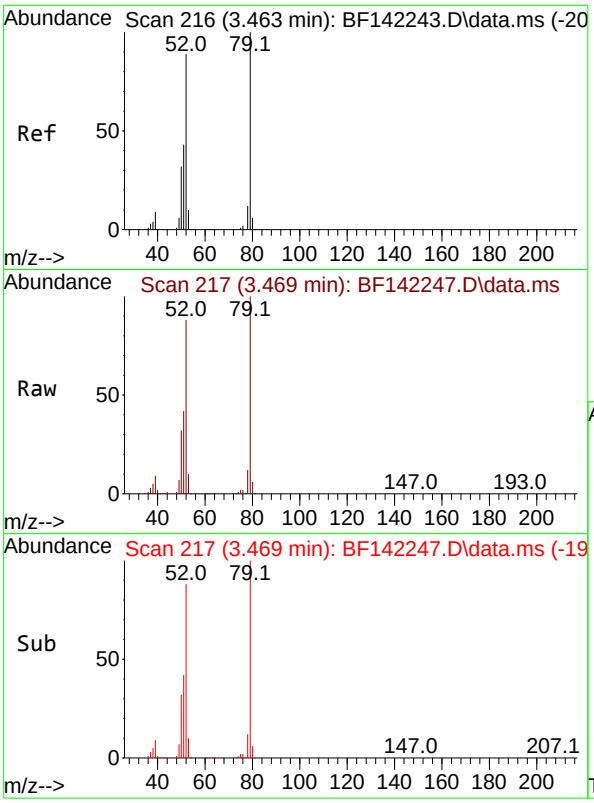


#2
1,4-Dioxane
Concen: 42.438 ng
RT: 2.699 min Scan# 86
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 88 Resp: 219939

Ion	Ratio	Lower	Upper
88	100		
58	91.6	72.2	108.2
43	34.8	27.0	40.6

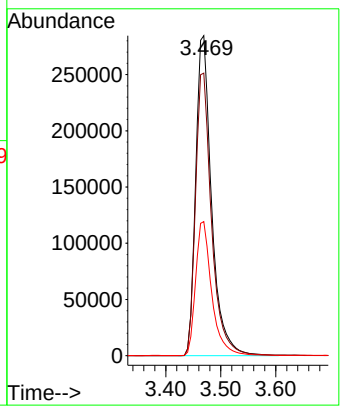




#3
Pyridine
Concen: 42.469 ng
RT: 3.469 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 79 Resp: 57203

Ion	Ratio	Lower	Upper
79	100		
52	88.3	71.5	107.3
51	41.9	34.5	51.7



Instrument :
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ClientSampleId :
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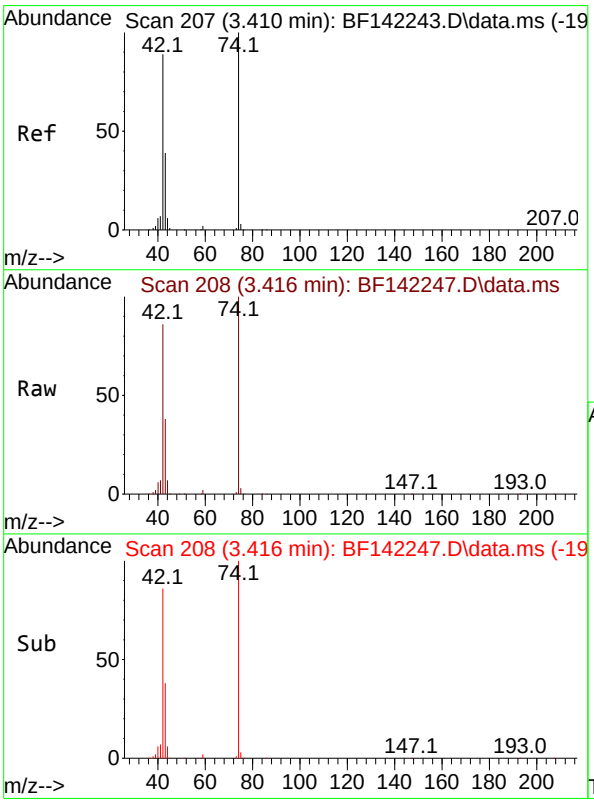
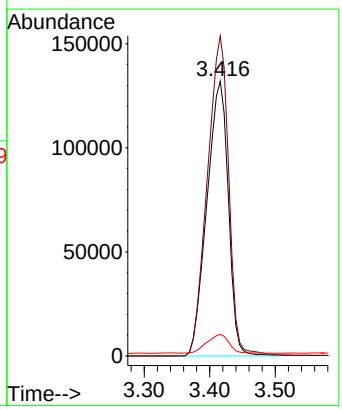
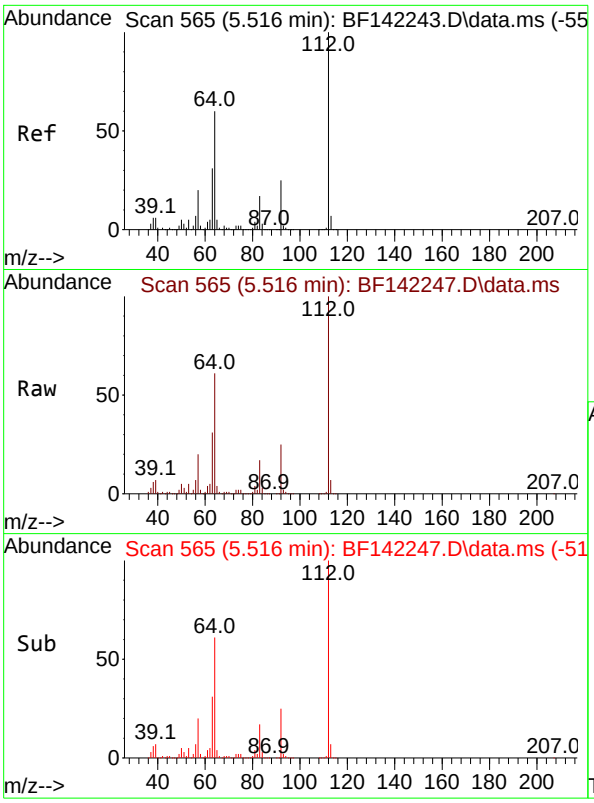


#4
n-Nitrosodimethylamine
Concen: 42.942 ng
RT: 3.416 min Scan# 208
Delta R.T. 0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 42 Resp: 299316

Ion	Ratio	Lower	Upper
42	100		
74	116.5	89.5	134.3
44	7.9	6.6	9.8





#5
2-Fluorophenol
Concen: 85.116 ng
RT: 5.516 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:112 Resp: 98770

Ion	Ratio	Lower	Upper
112	100		
64	60.5	48.4	72.6
63	31.2	24.8	37.2

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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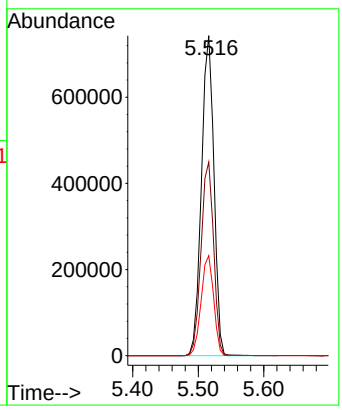
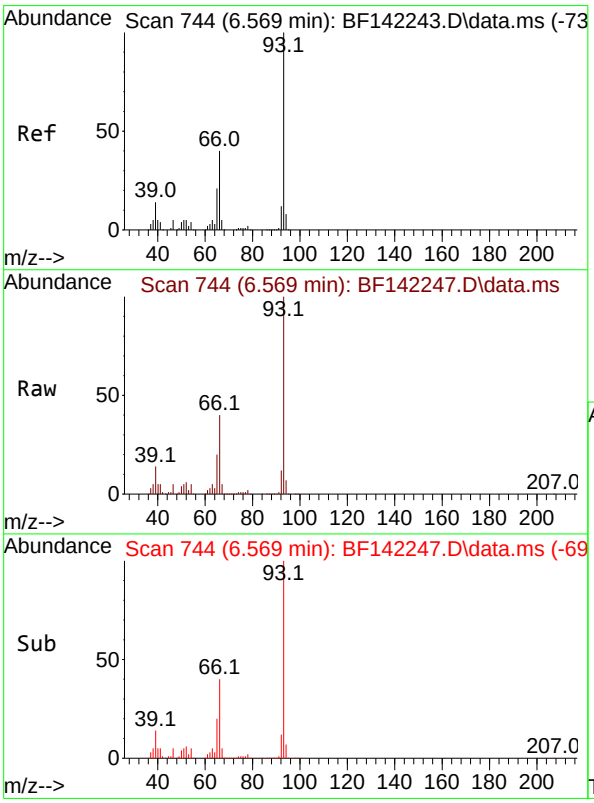
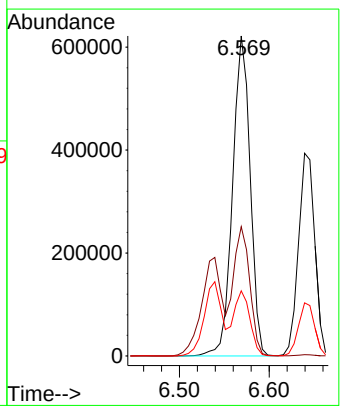


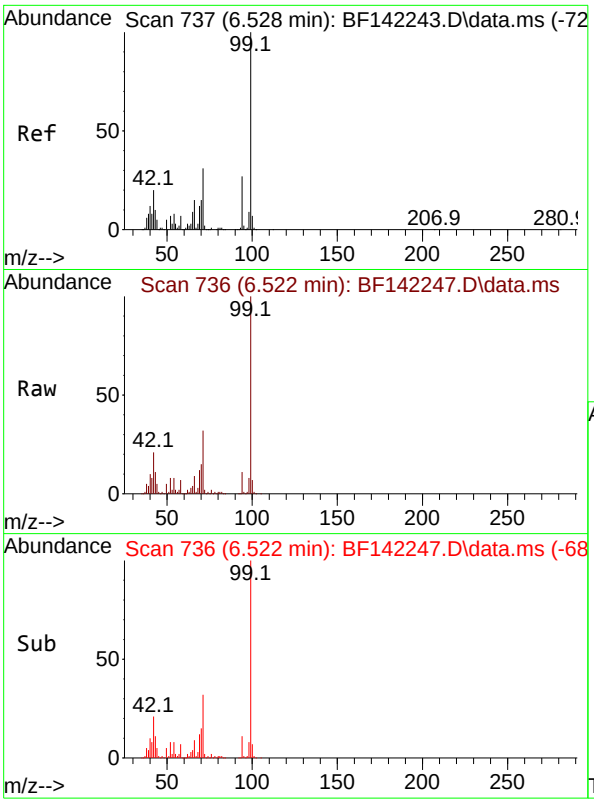


#6
Aniline
Concen: 42.598 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 93 Resp: 844910

Ion	Ratio	Lower	Upper
93	100		
66	40.4	32.1	48.1
65	20.3	16.6	24.8

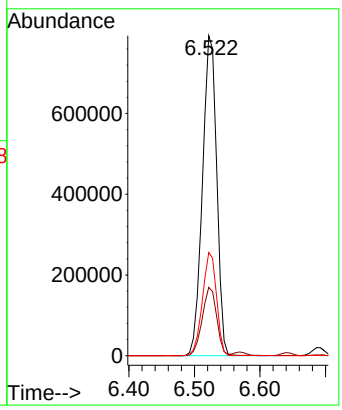




#7
Phenol-d6
Concen: 85.730 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 99 Resp: 120132

Ion	Ratio	Lower	Upper
99	100		
42	21.4	16.3	24.5
71	32.2	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
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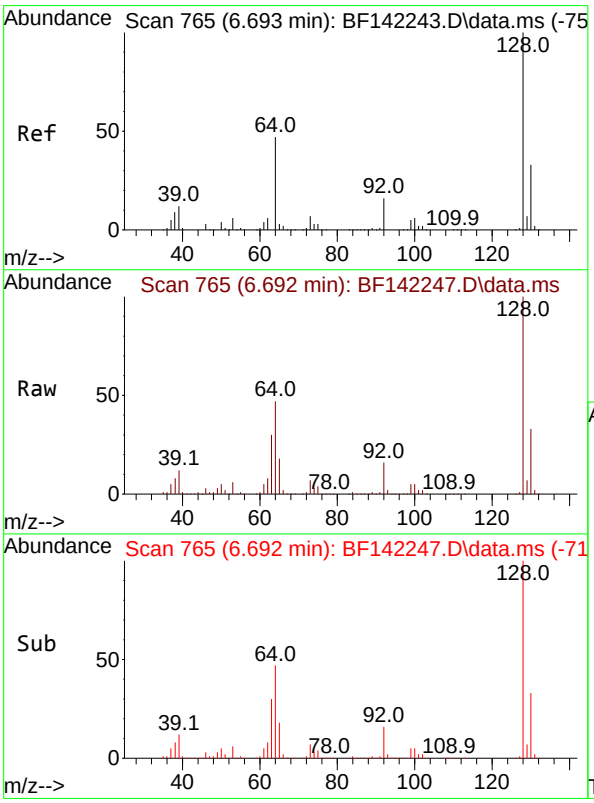
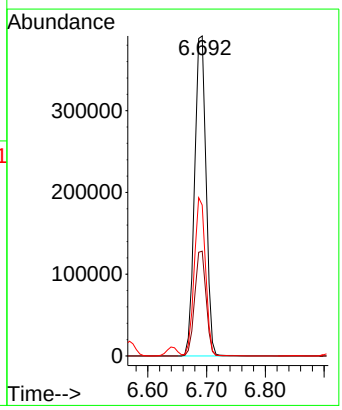
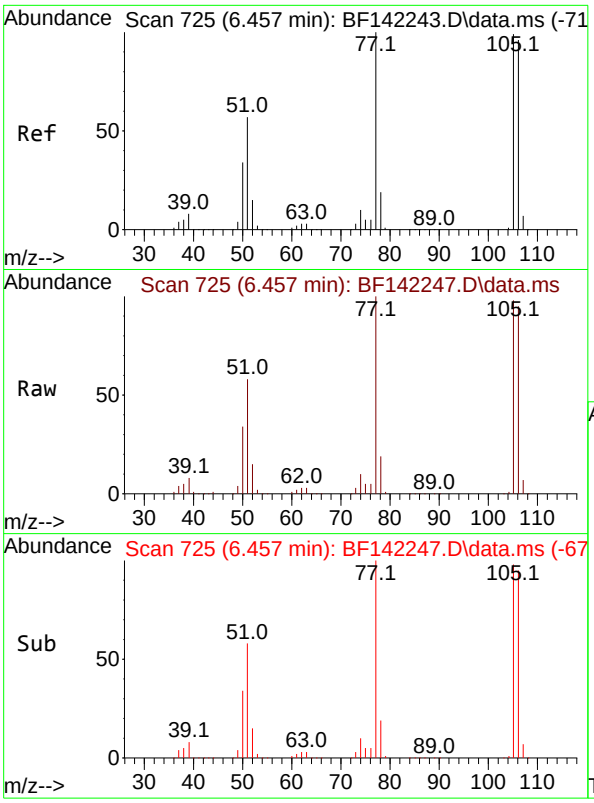


#8
2-Chlorophenol
Concen: 44.202 ng
RT: 6.692 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:128 Resp: 530021

Ion	Ratio	Lower	Upper
128	100		
130	32.7	13.1	53.1
64	47.1	28.6	68.6

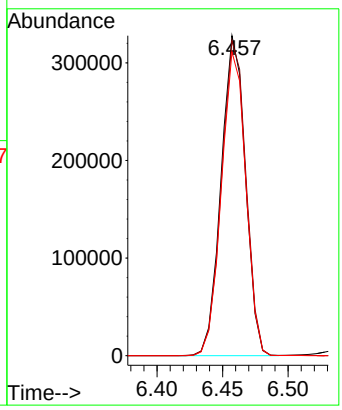




#9
Benzaldehyde
Concen: 42.925 ng
RT: 6.457 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 77 Resp: 42040

Ion	Ratio	Lower	Upper
77	100		
105	98.5	79.1	119.1
106	95.0	76.0	116.0



Instrument :
BNA_F
ClientSampleId :
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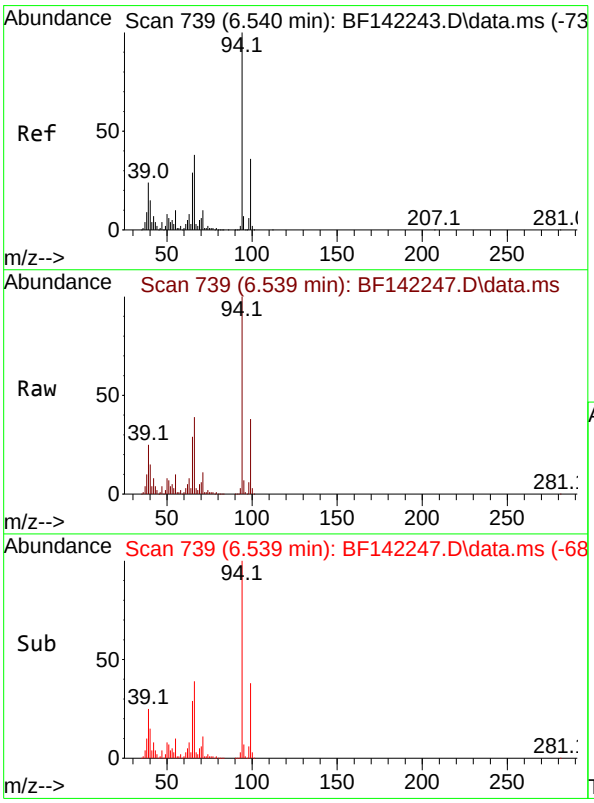
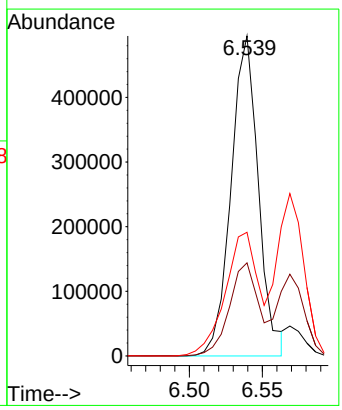
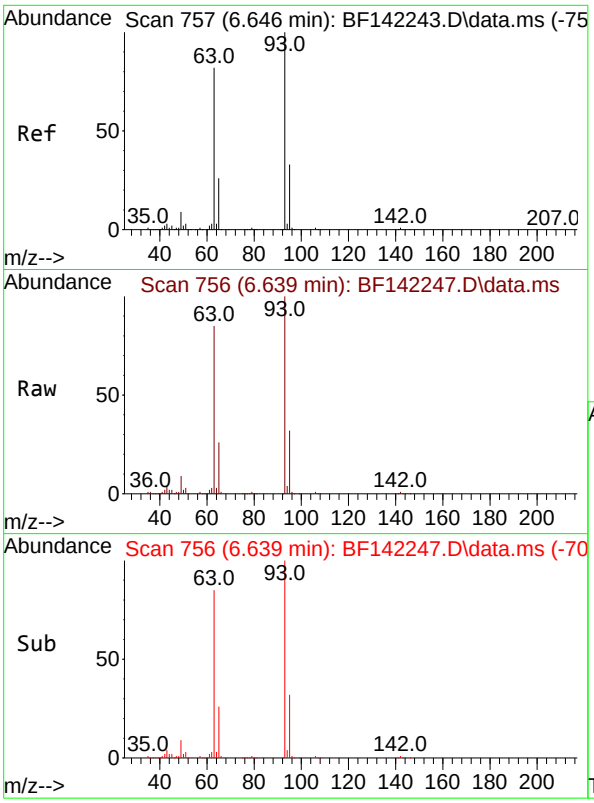


#10
Phenol
Concen: 42.765 ng m
RT: 6.539 min Scan# 739
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 94 Resp: 645155

Ion	Ratio	Lower	Upper
94	100		
65	29.1	8.9	48.9
66	38.7	18.7	58.7





#11
bis(2-Chloroethyl)ether
Concen: 42.329 ng
RT: 6.639 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 93 Resp: 49484

Ion	Ratio	Lower	Upper
93	100		
63	84.5	62.2	102.2
95	32.4	12.7	52.7

Instrument :
BNA_F
ClientSampleId :
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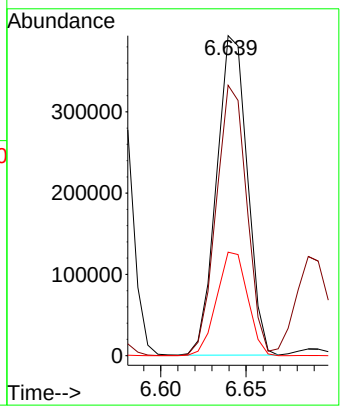
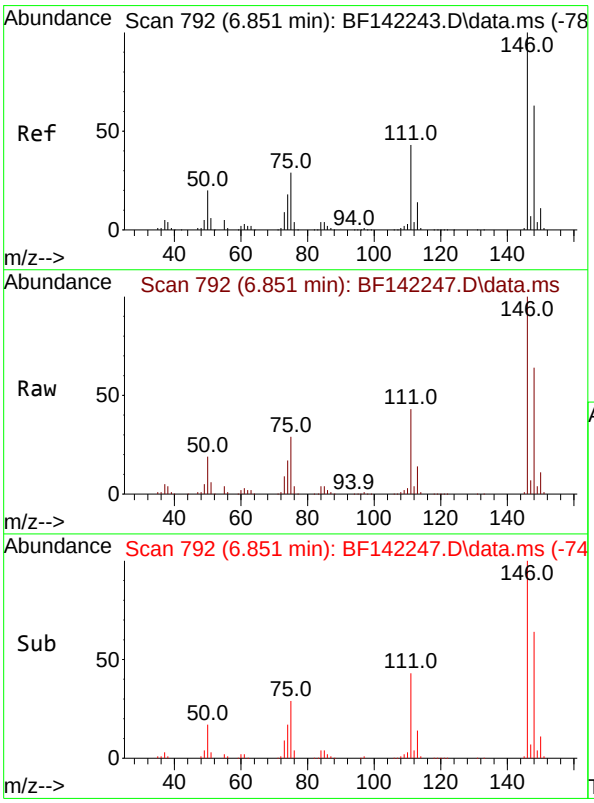
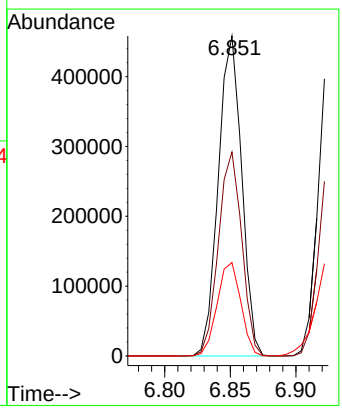


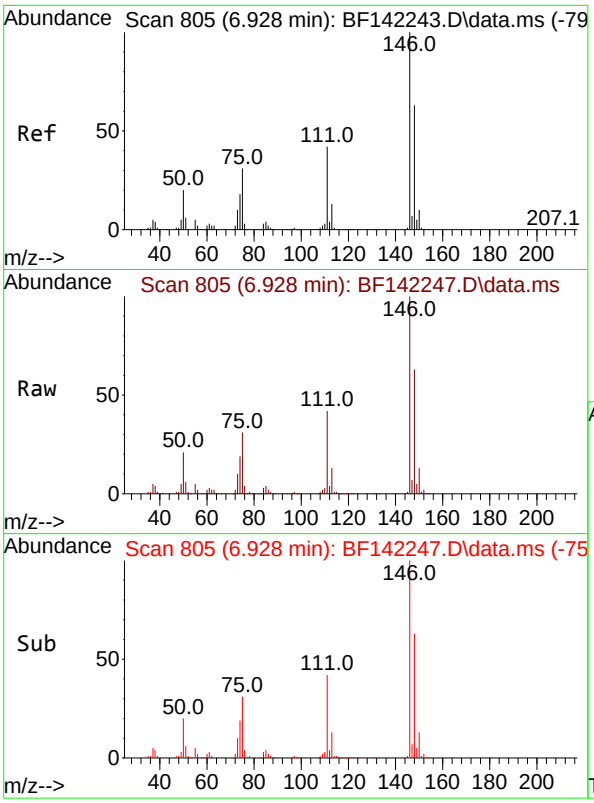


#12
1,3-Dichlorobenzene
Concen: 41.819 ng
RT: 6.851 min Scan# 792
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:146 Resp: 567280

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.5	75.7
75	29.2	23.2	34.8

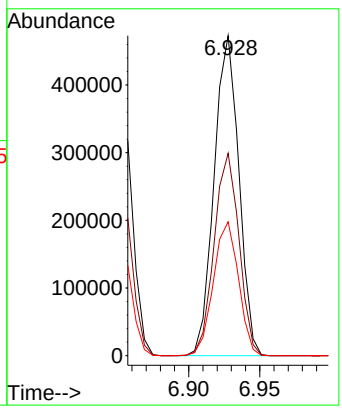




#13
1,4-Dichlorobenzene
Concen: 41.924 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:146 Resp: 57297

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.6	76.0
111	41.8	33.4	50.0



Instrument :
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ClientSampleId :
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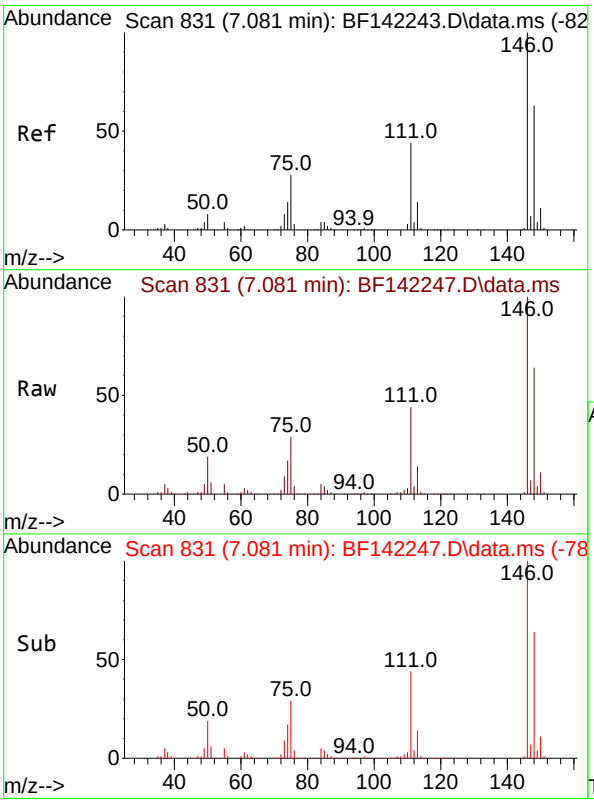
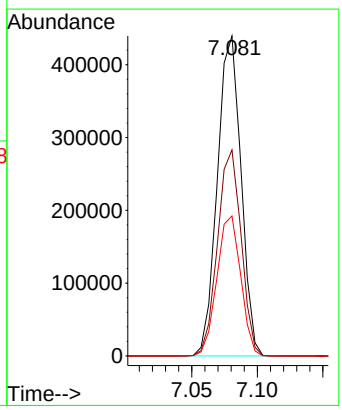
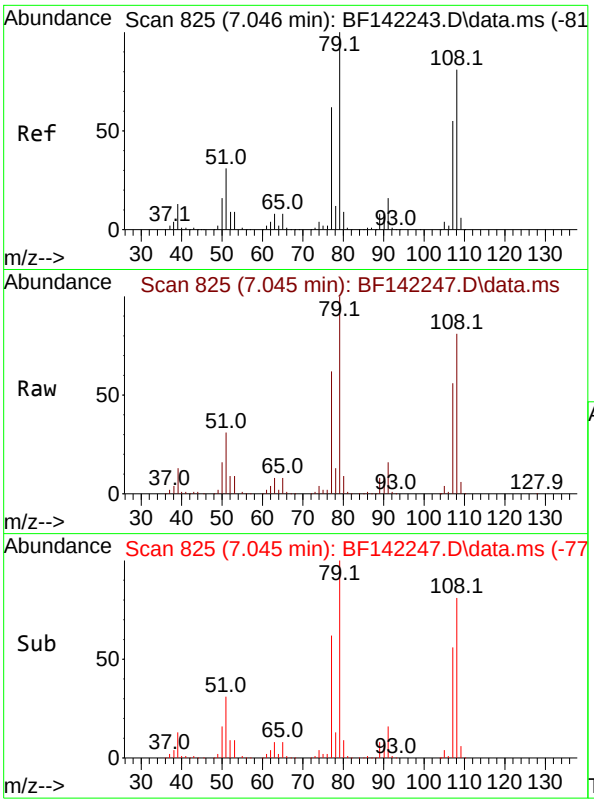


#14
1,2-Dichlorobenzene
Concen: 42.247 ng
RT: 7.081 min Scan# 831
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:146 Resp: 551216

Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.5	75.7
111	43.8	34.9	52.3





#15
Benzyl Alcohol
Concen: 43.378 ng
RT: 7.045 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 79 Resp: 43110

Ion	Ratio	Lower	Upper
79	100		
108	81.5	64.5	96.7
77	62.1	49.2	73.8

Instrument :
BNA_F
ClientSampleId :
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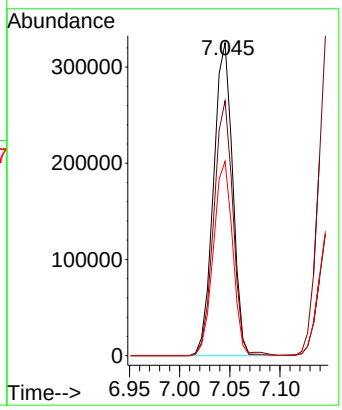
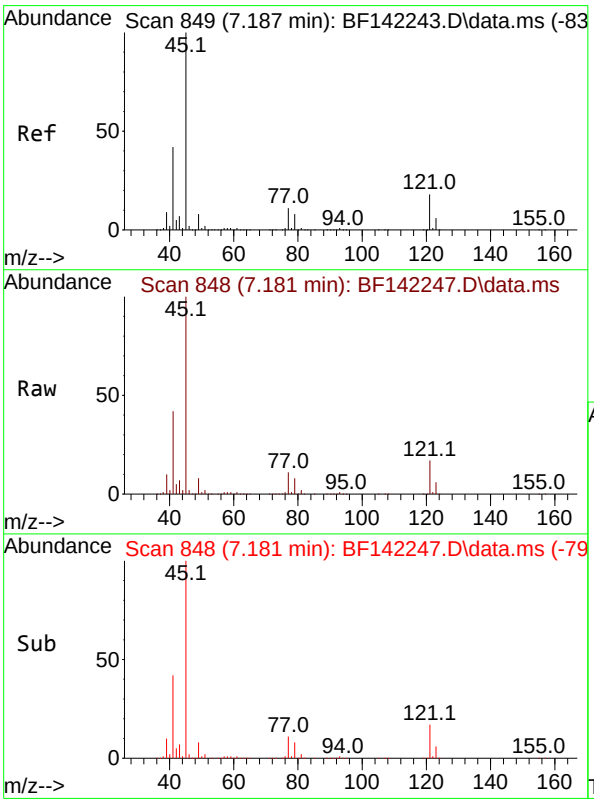
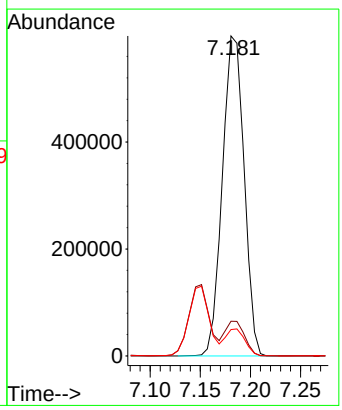


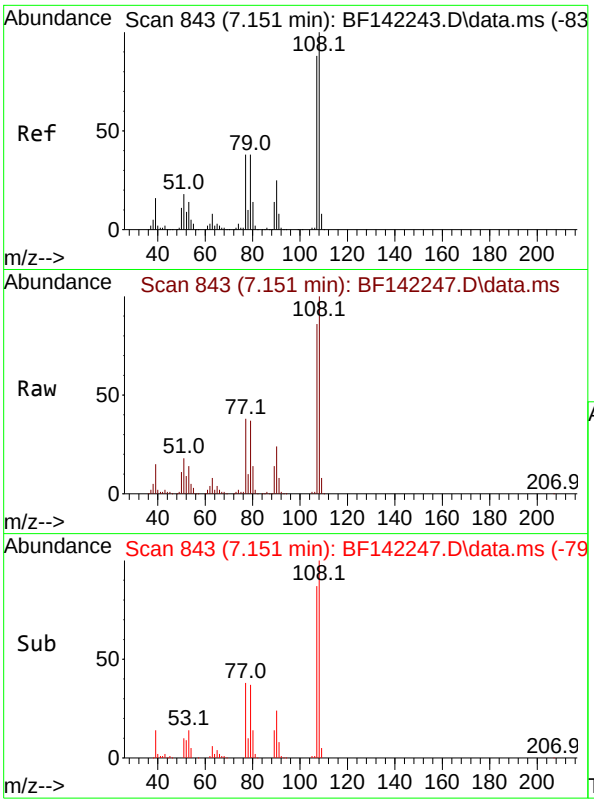


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.684 ng
RT: 7.181 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 45 Resp: 901053

Ion	Ratio	Lower	Upper
45	100		
77	10.9	0.0	31.3
79	8.2	0.0	28.5

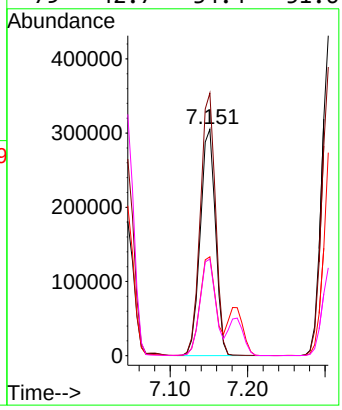




#17
2-Methylphenol
Concen: 42.288 ng
RT: 7.151 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:107 Resp: 41540

Ion	Ratio	Lower	Upper
107	100		
108	116.0	91.0	136.4
77	43.7	34.4	51.6
79	42.7	34.4	51.6



Instrument :
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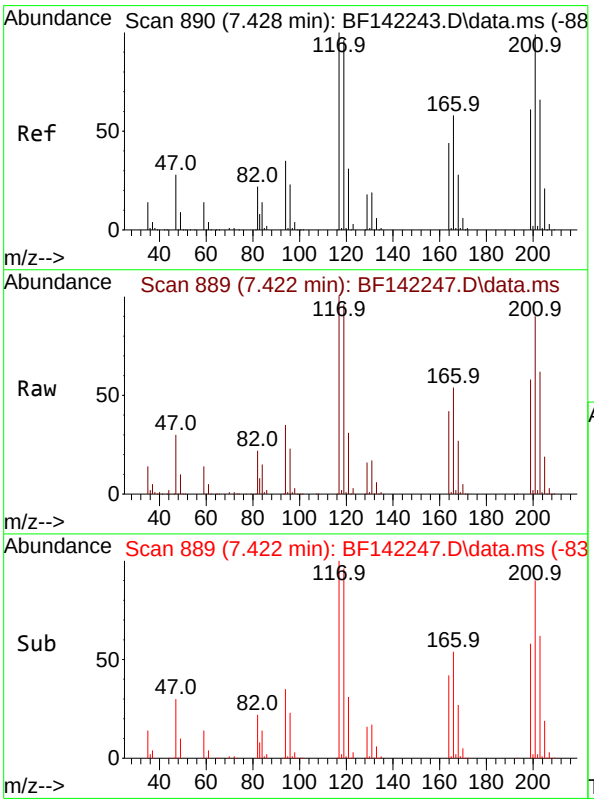
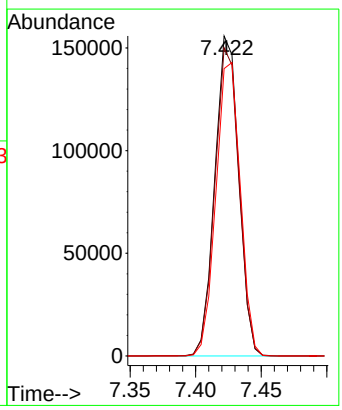
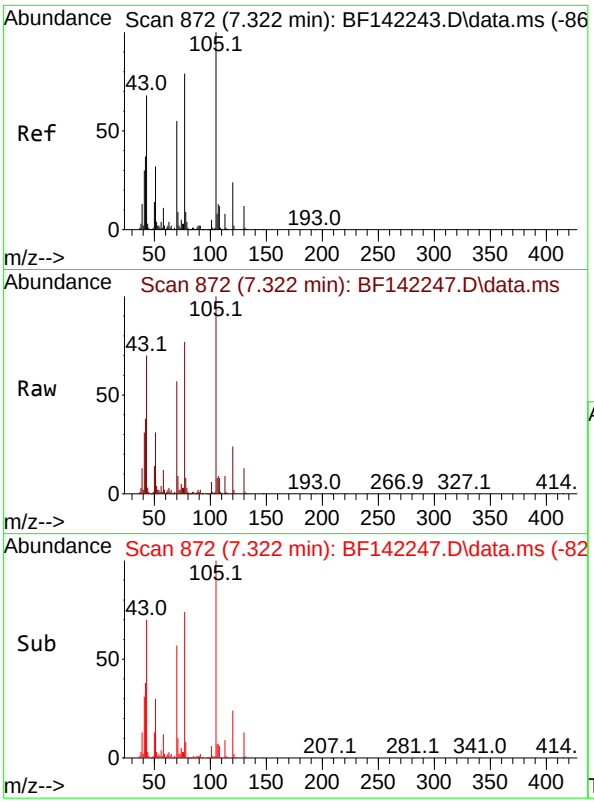


#18
Hexachloroethane
Concen: 44.255 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:117 Resp: 197959

Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.1	115.7
201	89.8	79.4	119.2

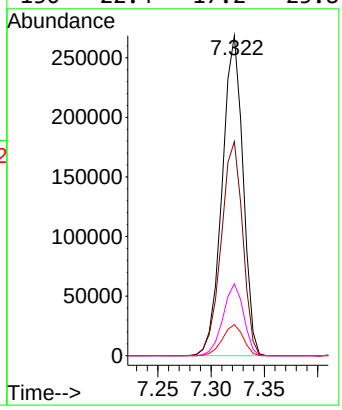




#19
n-Nitroso-di-n-propylamine
Concen: 41.992 ng
RT: 7.322 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 70 Resp: 36362

Ion	Ratio	Lower	Upper
70	100		
42	66.9	53.4	80.2
101	9.7	7.7	11.5
130	22.4	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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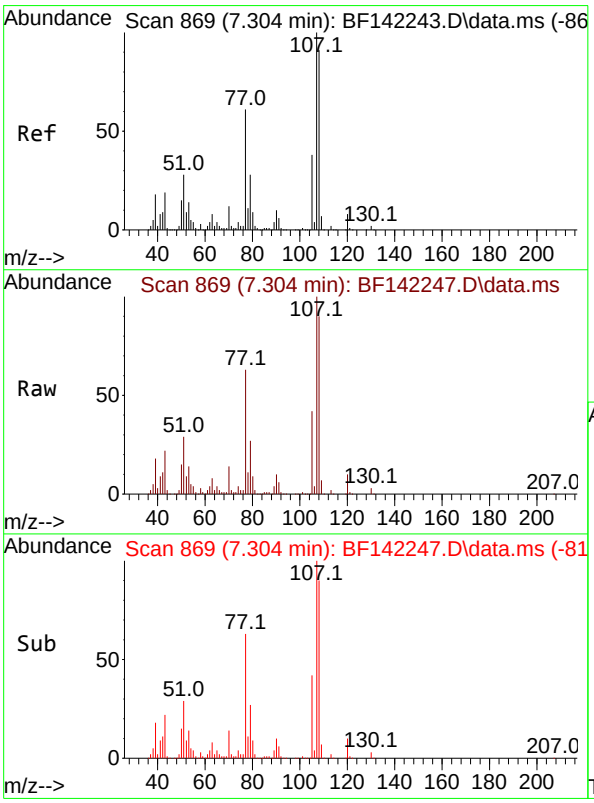
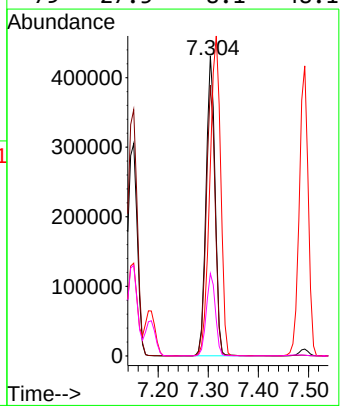
Supervised By :Jagrut Upadhyay 05/01/2025

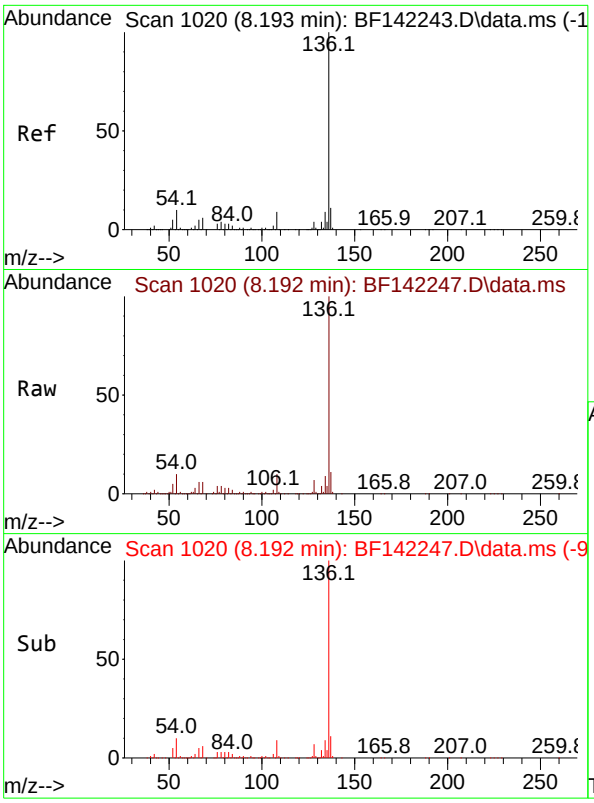


#20
3+4-Methylphenols
Concen: 43.919 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:107 Resp: 539514

Ion	Ratio	Lower	Upper
107	100		
108	90.2	71.2	111.2
77	63.5	41.1	81.1
79	27.5	8.1	48.1

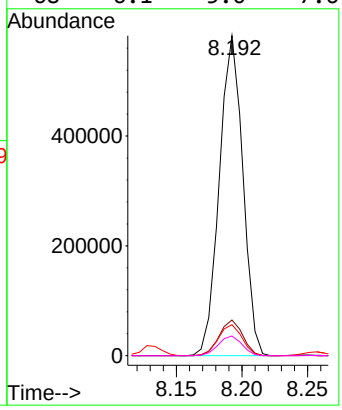




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:136 Resp: 72548

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	9.7	7.7	11.5
68	6.1	5.0	7.6



Instrument :
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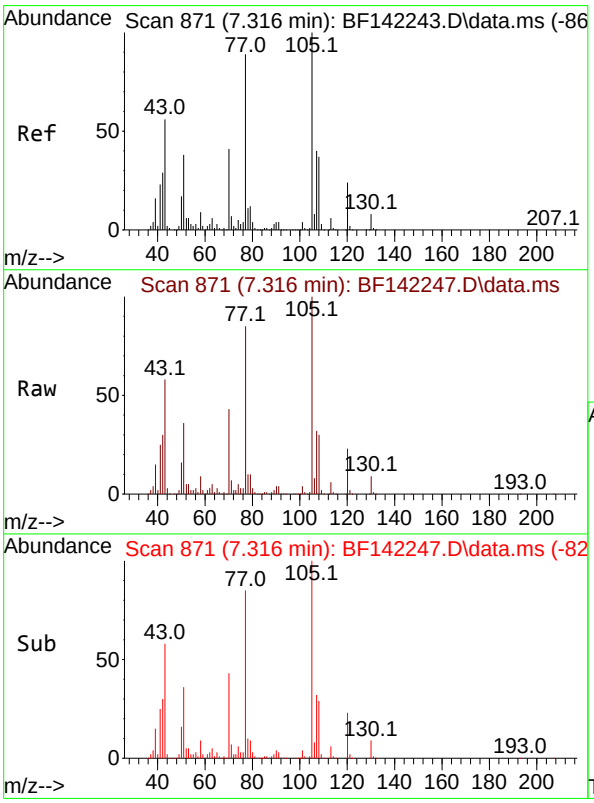
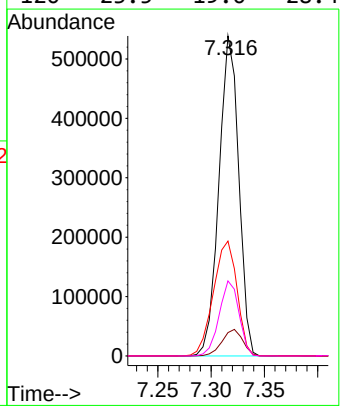
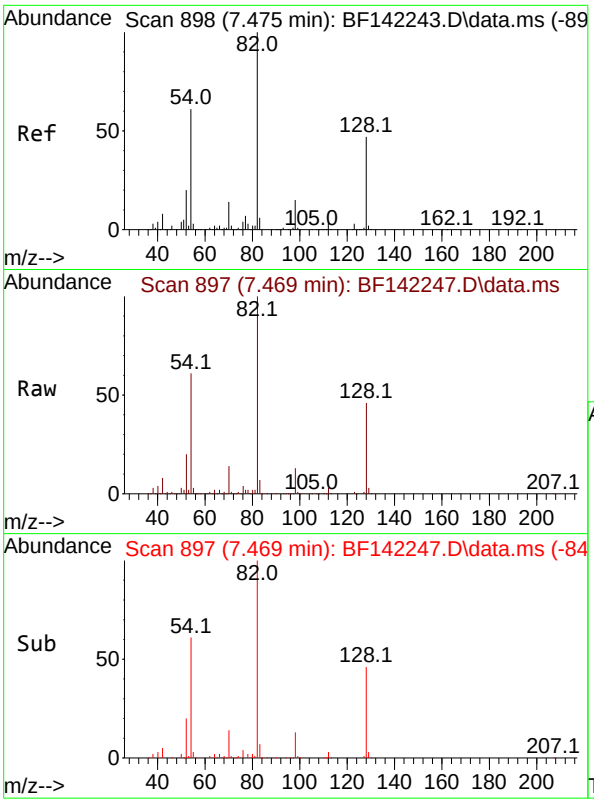


#22
Acetophenone
Concen: 41.441 ng
RT: 7.316 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:105 Resp: 695539

Ion	Ratio	Lower	Upper
105	100		
71	7.3	5.7	8.5
51	35.9	30.1	45.1
120	23.5	19.0	28.4

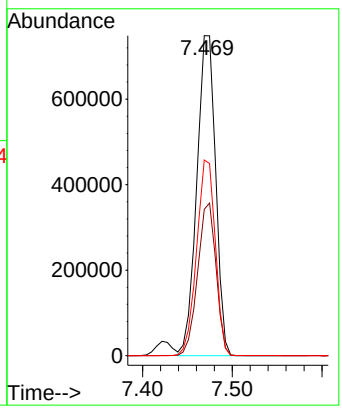




#23
Nitrobenzene-d5
Concen: 98.845 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 82 Resp: 109152

Ion	Ratio	Lower	Upper
82	100		
128	45.7	37.0	55.6
54	61.2	48.0	72.0



Instrument :
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ClientSampleId :
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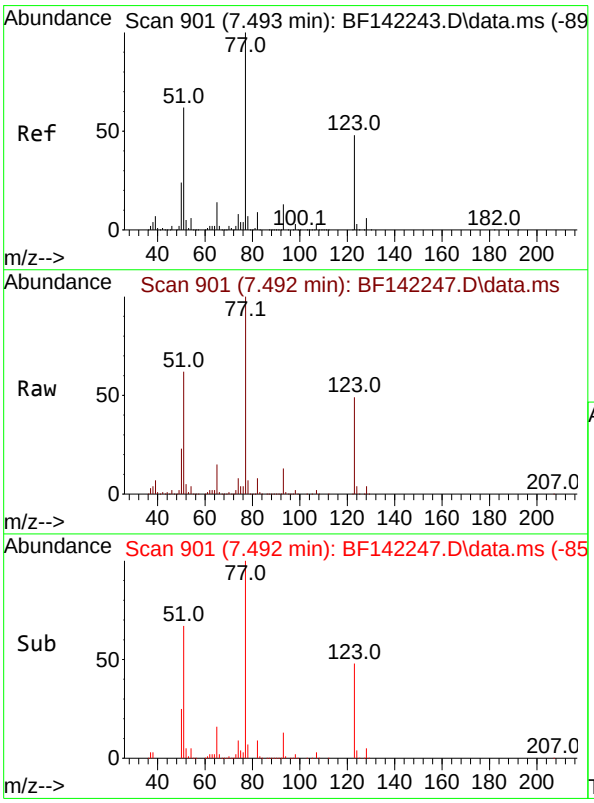
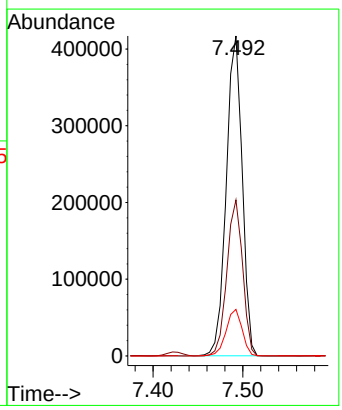
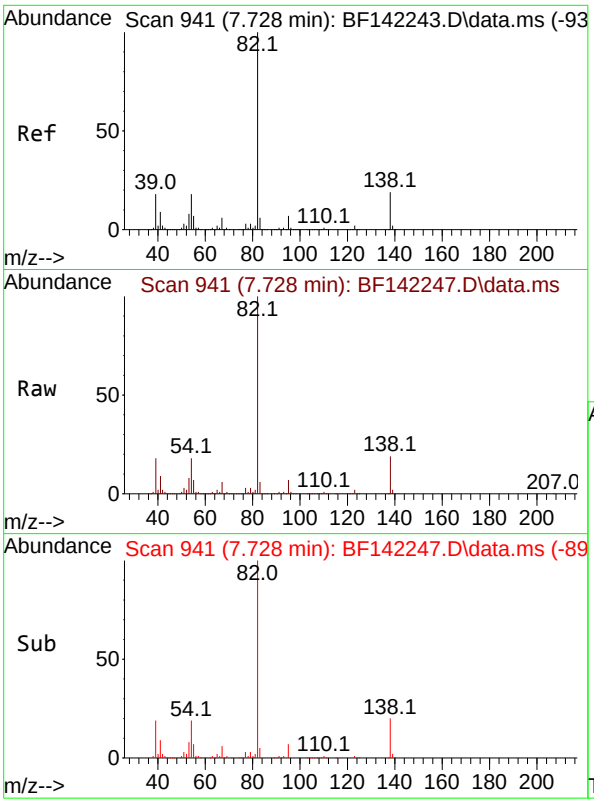


#24
Nitrobenzene
Concen: 47.402 ng
RT: 7.492 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 77 Resp: 513604

Ion	Ratio	Lower	Upper
77	100		
123	48.8	38.6	58.0
65	14.5	11.5	17.3

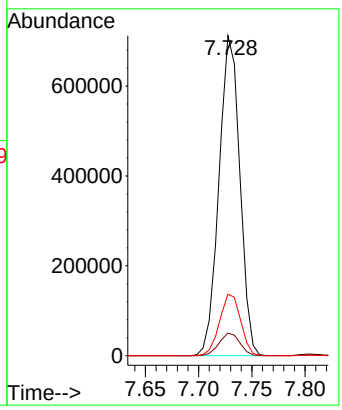




#25
Isophorone
Concen: 41.789 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 82 Resp: 96850

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.6	8.4
138	19.2	15.3	22.9



Instrument :
BNA_F
ClientSampleId :
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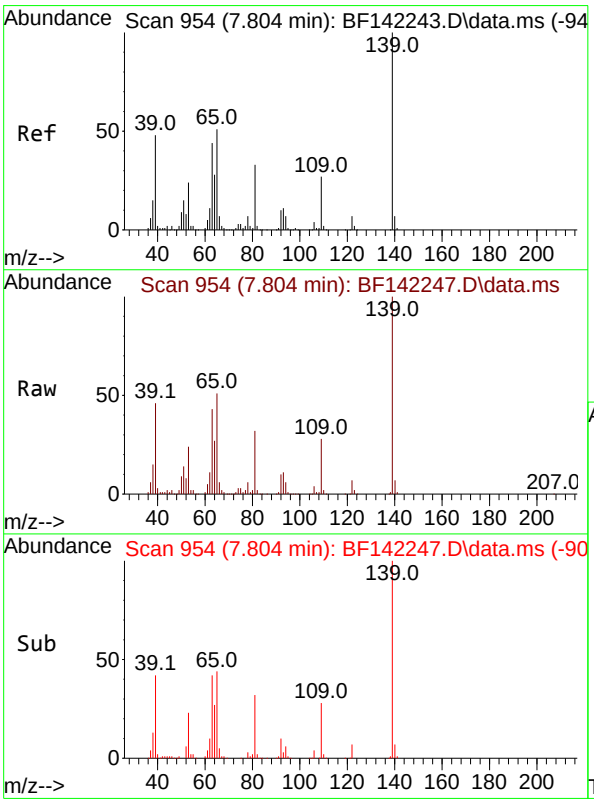
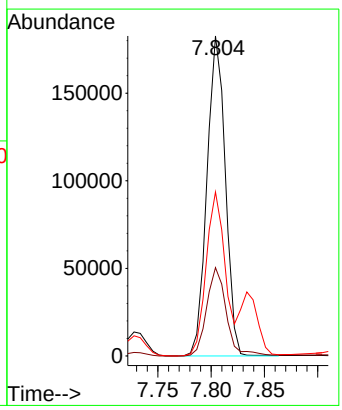
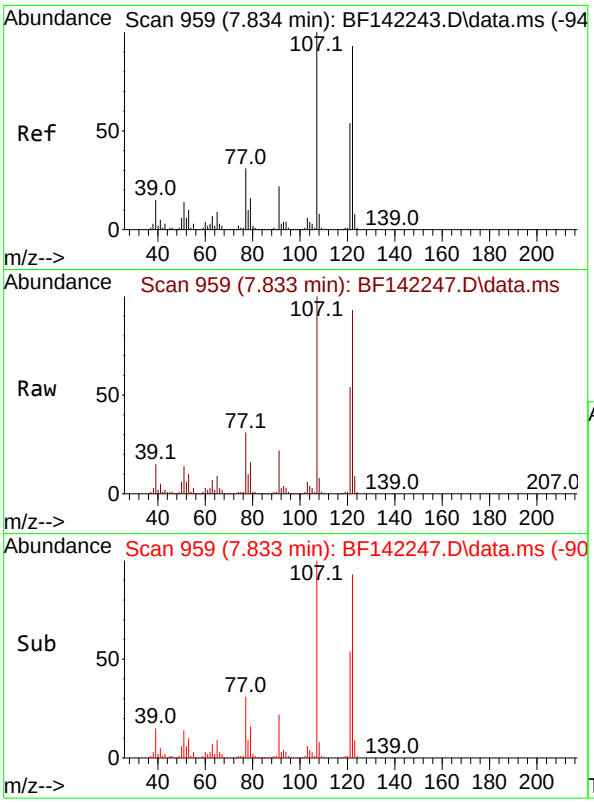


#26
2-Nitrophenol
Concen: 48.175 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:139 Resp: 219881

Ion	Ratio	Lower	Upper
139	100		
109	27.6	21.8	32.8
65	51.2	41.1	61.7

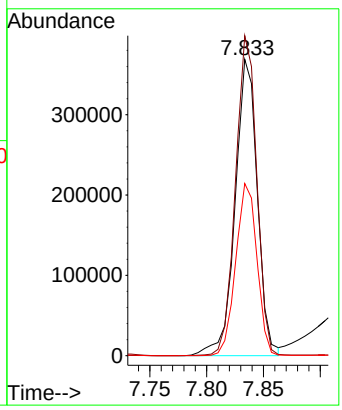




#27
2,4-Dimethylphenol
Concen: 43.004 ng
RT: 7.833 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:122 Resp: 50250

Ion	Ratio	Lower	Upper
122	100		
107	108.0	86.0	129.0
121	58.1	46.3	69.5



Instrument :
BNA_F
ClientSampleId :
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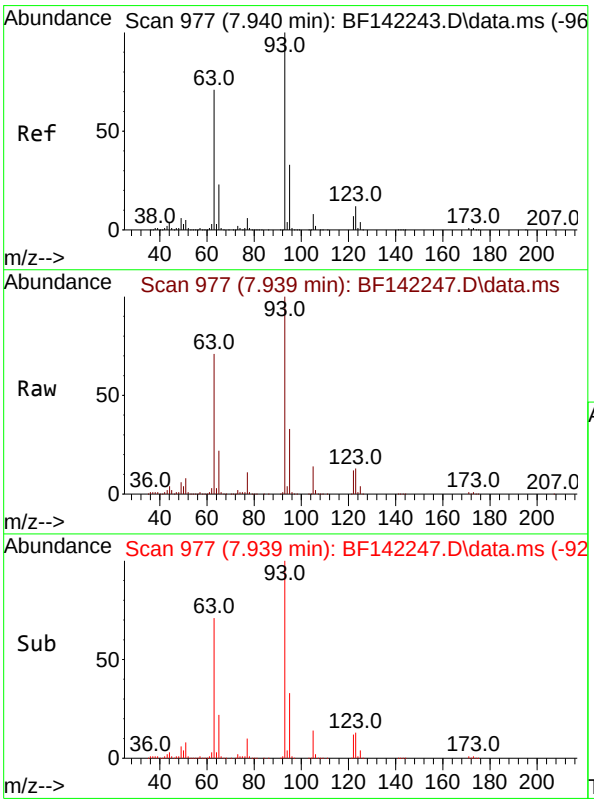
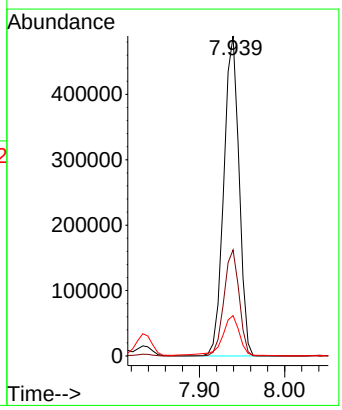
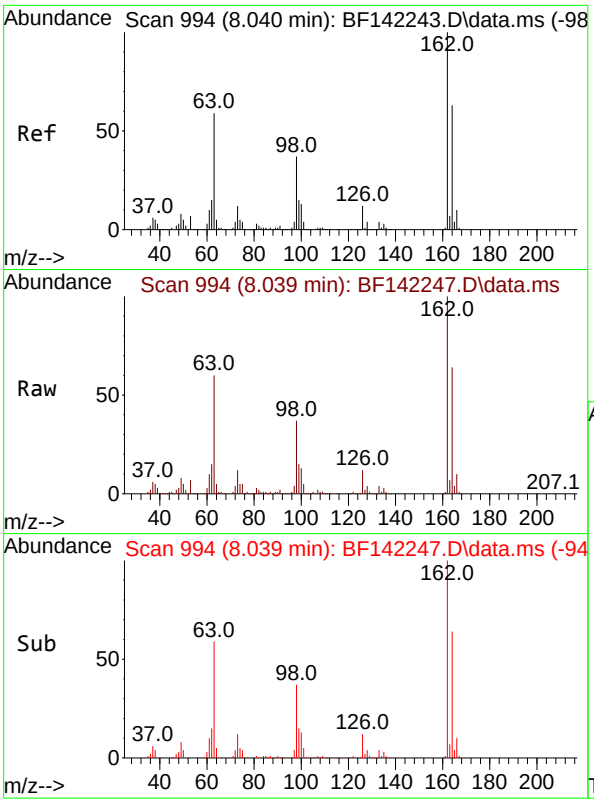


#28
bis(2-Chloroethoxy)methane
Concen: 41.780 ng
RT: 7.939 min Scan# 977
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 93 Resp: 610669

Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.2	39.2
123	12.6	9.7	14.5





#29
2,4-Dichlorophenol
Concen: 44.013 ng
RT: 8.039 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:162 Resp: 42996

Ion	Ratio	Lower	Upper
162	100		
164	63.9	43.0	83.0
98	37.3	16.7	56.7

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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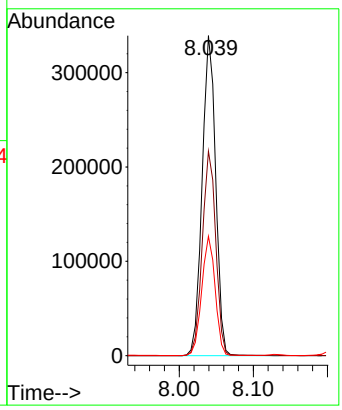
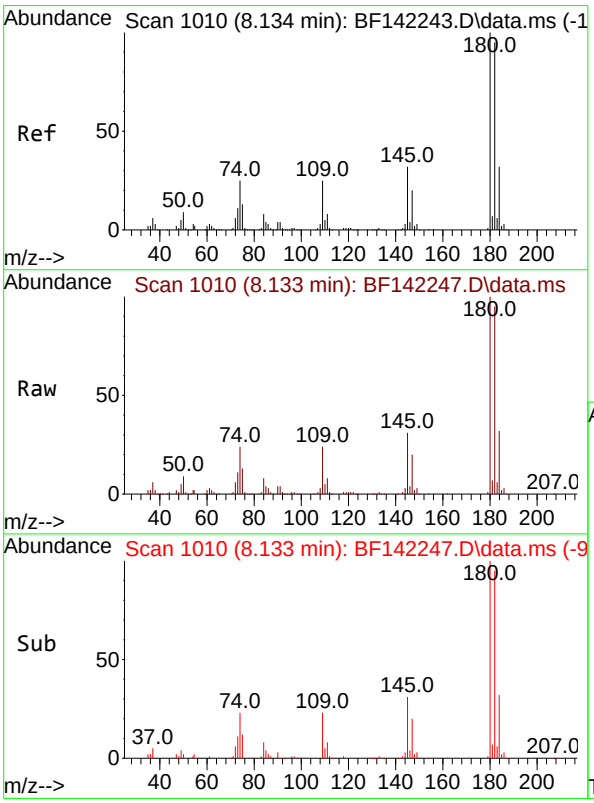
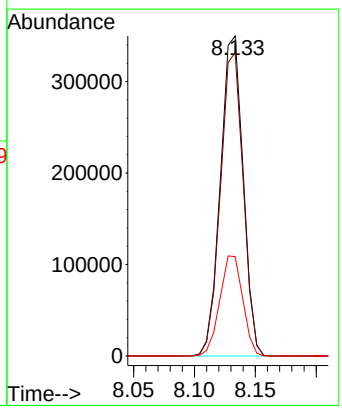


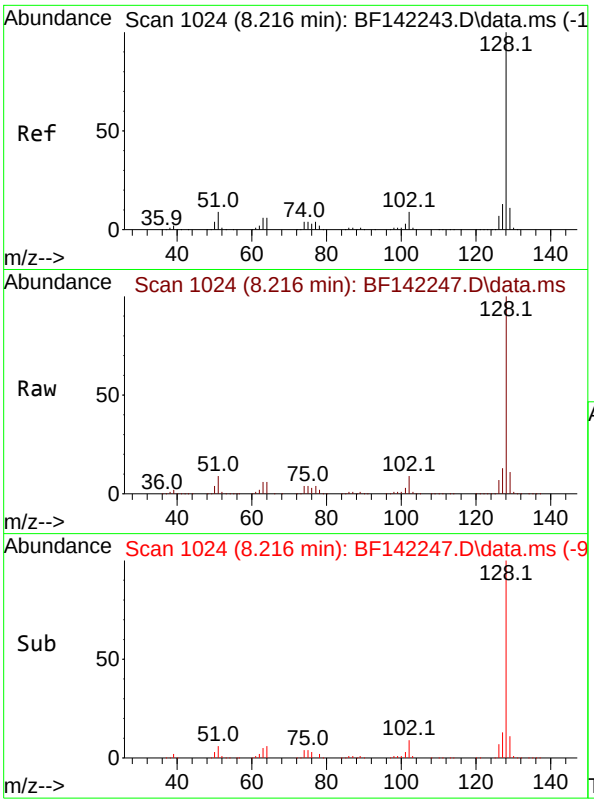


#30
1,2,4-Trichlorobenzene
Concen: 41.724 ng
RT: 8.133 min Scan# 1010
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:180 Resp: 454848

Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.7	113.5
145	31.1	25.4	38.0

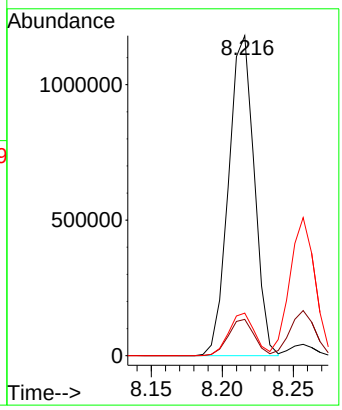




#31
Naphthalene
Concen: 41.005 ng
RT: 8.216 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:128 Resp: 148356

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.4
127	13.3	10.6	15.8



Instrument :
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ClientSampleId :
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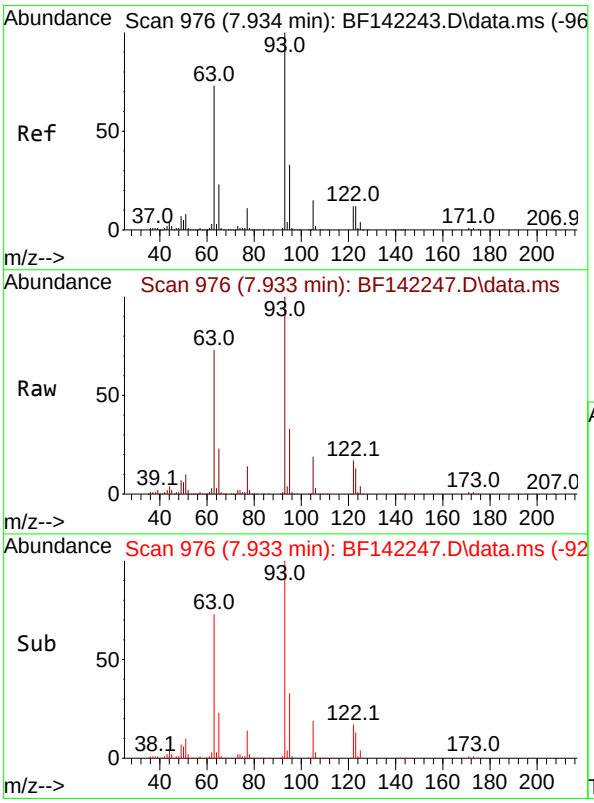
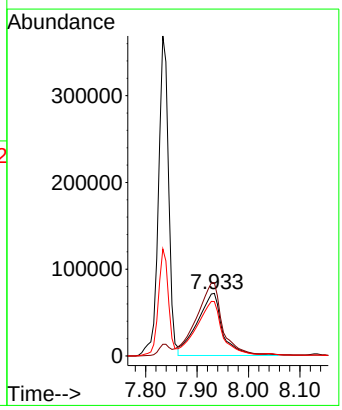
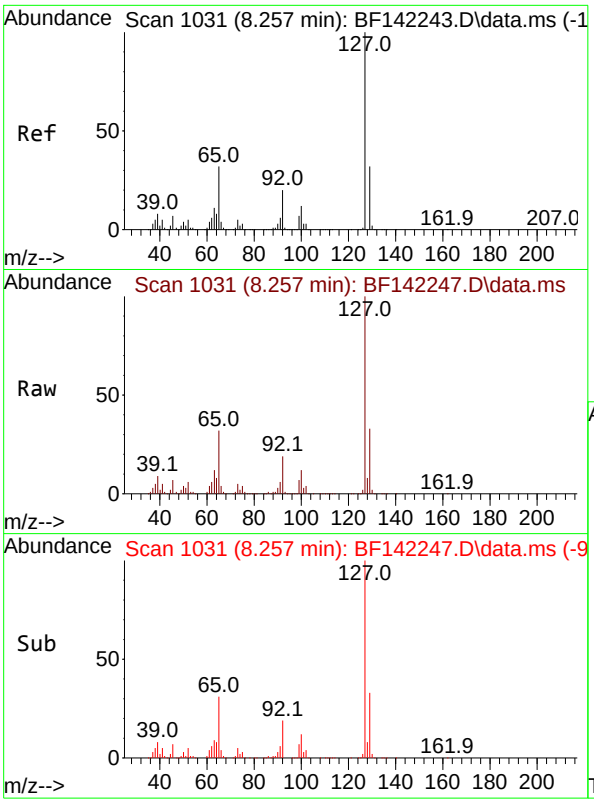


#32
Benzoic acid
Concen: 45.113 ng m
RT: 7.933 min Scan# 976
Delta R.T. -0.001 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:122 Resp: 246172

Ion	Ratio	Lower	Upper
122	100		
105	117.2	98.2	138.2
77	86.9	66.8	106.8

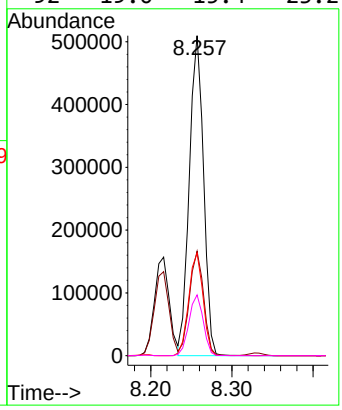




#33
4-Chloroaniline
Concen: 41.344 ng
RT: 8.257 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:127 Resp: 62289

Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.1	39.1
65	32.0	25.5	38.3
92	19.0	15.4	23.2



Instrument :
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ClientSampleId :
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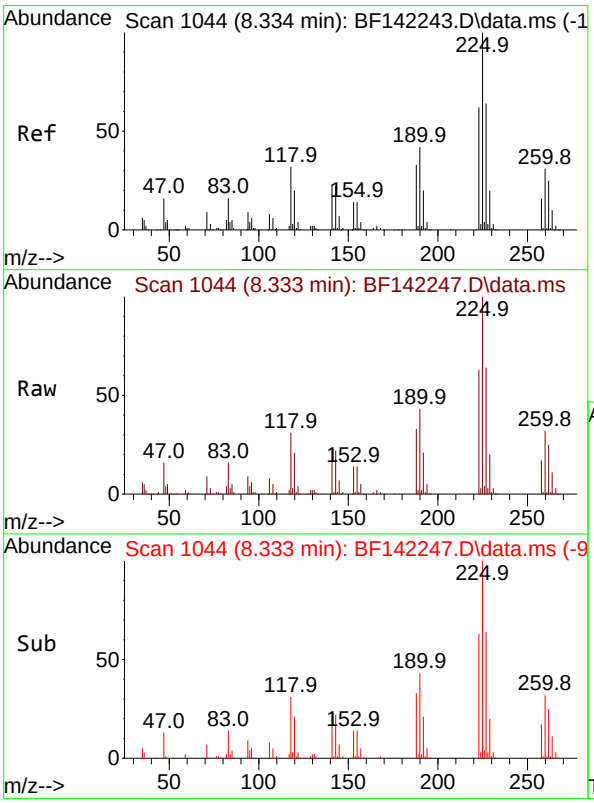
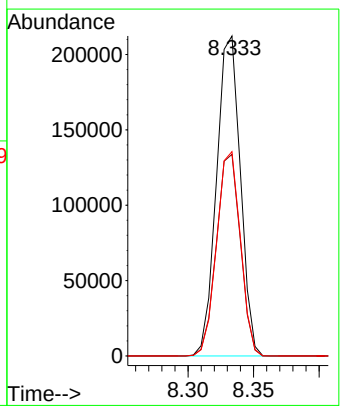
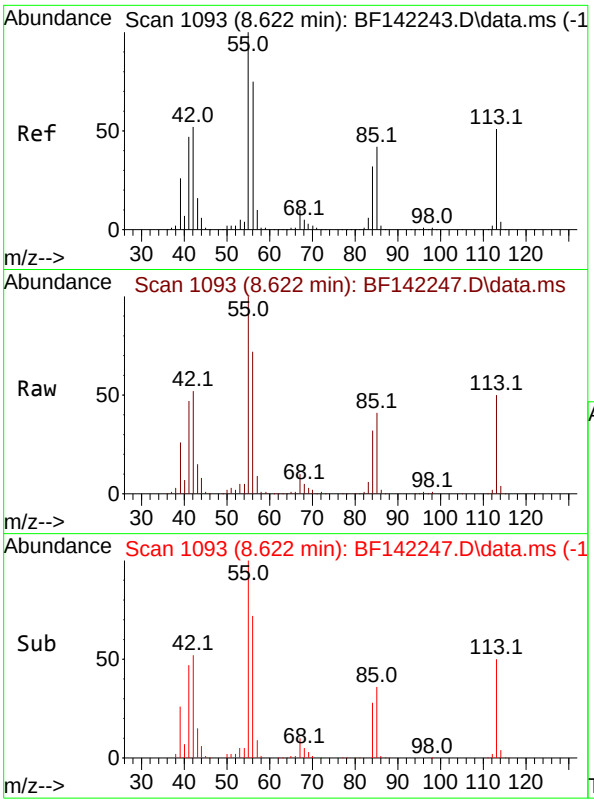


#34
Hexachlorobutadiene
Concen: 42.127 ng
RT: 8.333 min Scan# 1044
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:225 Resp: 267940

Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.7	74.5
227	63.9	51.0	76.4

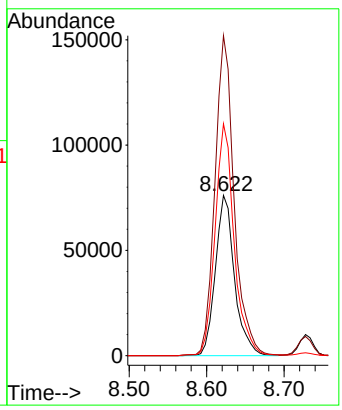




#35
Caprolactam
Concen: 44.434 ng
RT: 8.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:113 Resp: 13047

Ion	Ratio	Lower	Upper
113	100		
55	199.6	177.7	217.7
56	144.7	127.1	167.1



Instrument :
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ClientSampleId :
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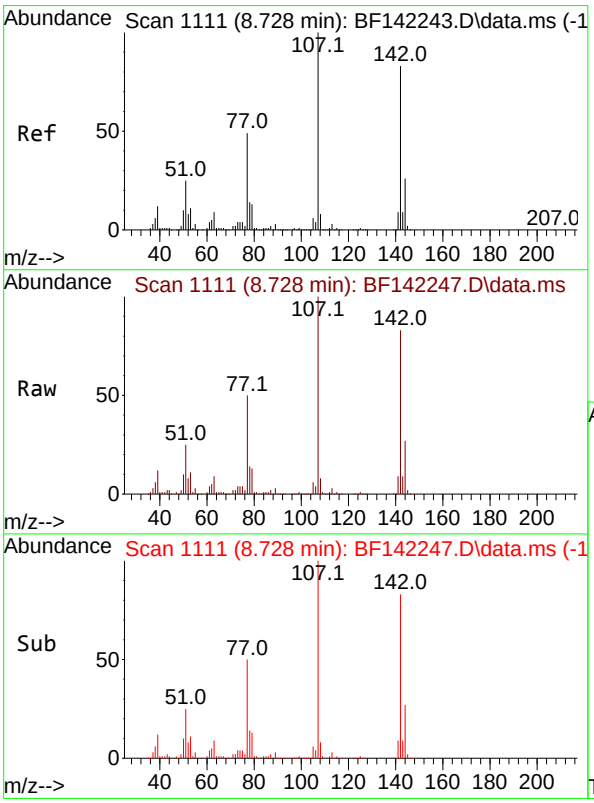
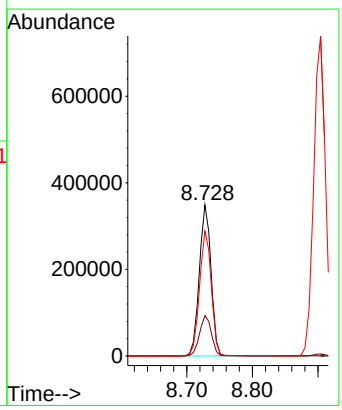
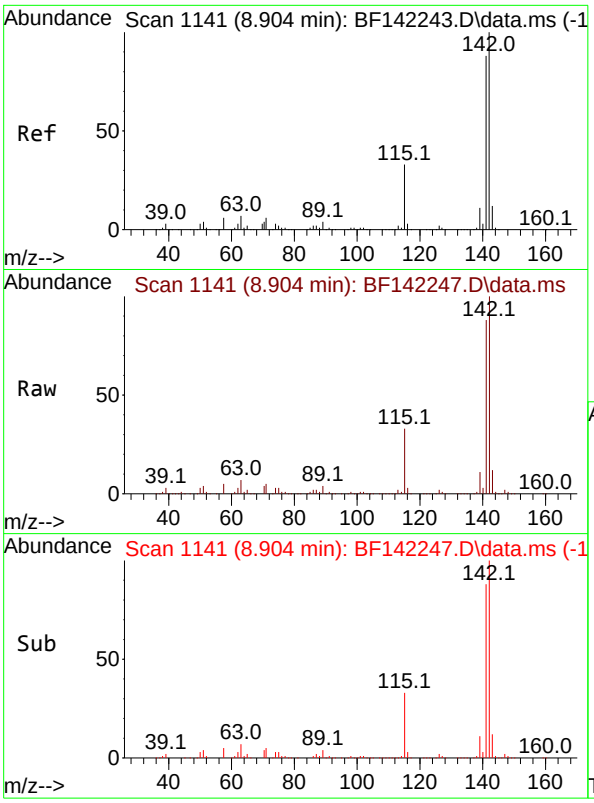


#36
4-Chloro-3-methylphenol
Concen: 43.485 ng
RT: 8.728 min Scan# 1111
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:107 Resp: 436215

Ion	Ratio	Lower	Upper
107	100		
144	26.7	21.0	31.4
142	82.5	66.1	99.1

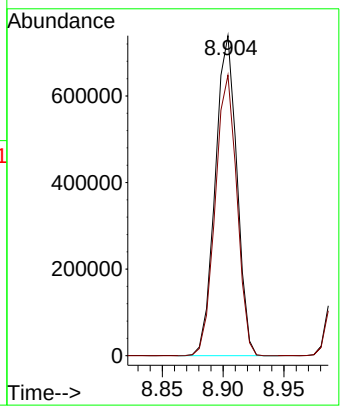




#37
2-Methylnaphthalene
Concen: 41.155 ng
RT: 8.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:142 Resp: 91547

Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.5	105.7



Instrument :
BNA_F
ClientSampleId :
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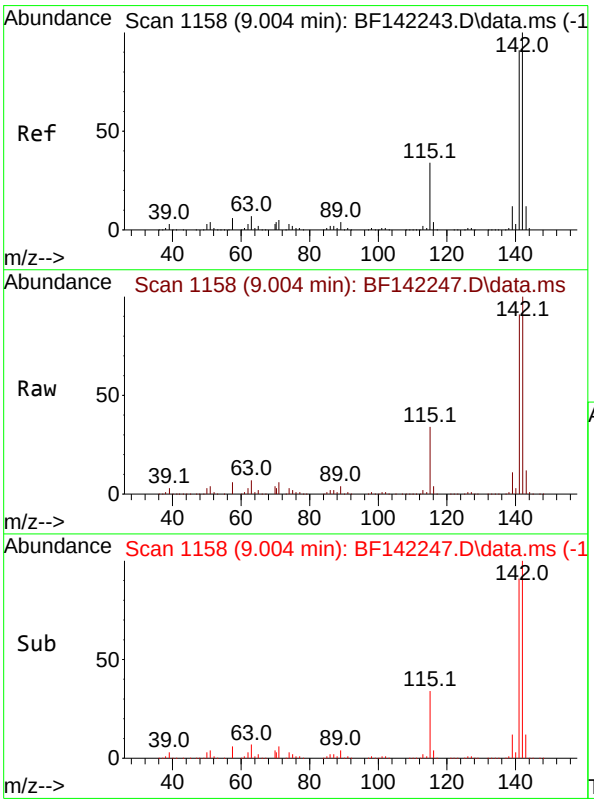
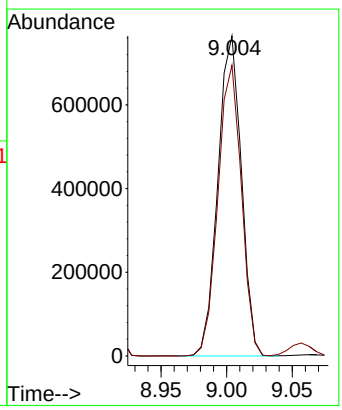
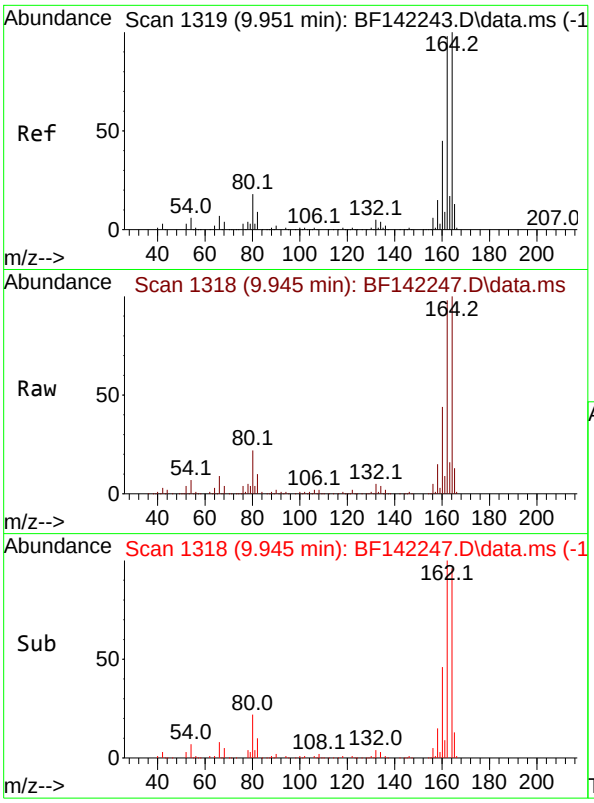


#38
1-Methylnaphthalene
Concen: 41.232 ng
RT: 9.004 min Scan# 1158
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:142 Resp: 950163

Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.8	109.2

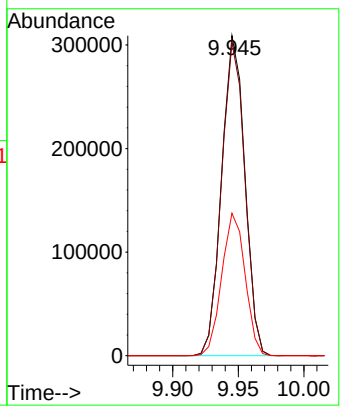




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:164 Resp: 38117

Ion	Ratio	Lower	Upper
164	100		
162	98.0	78.6	117.8
160	44.5	35.7	53.5



Instrument :
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ClientSampleId :
ICVBF043025

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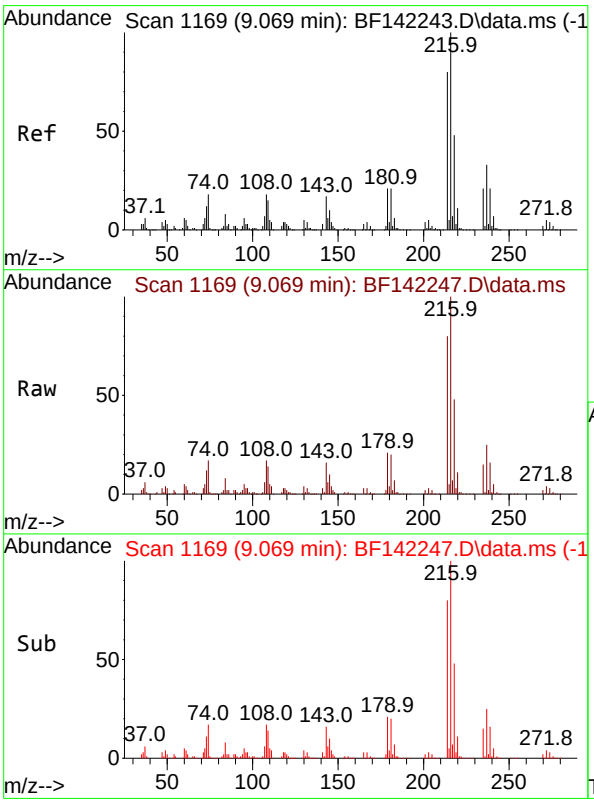
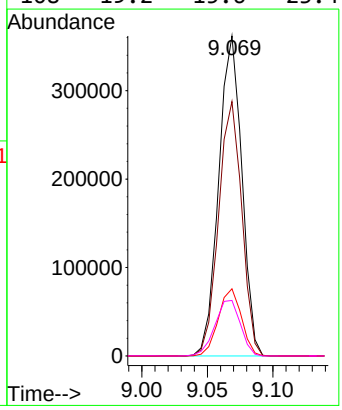
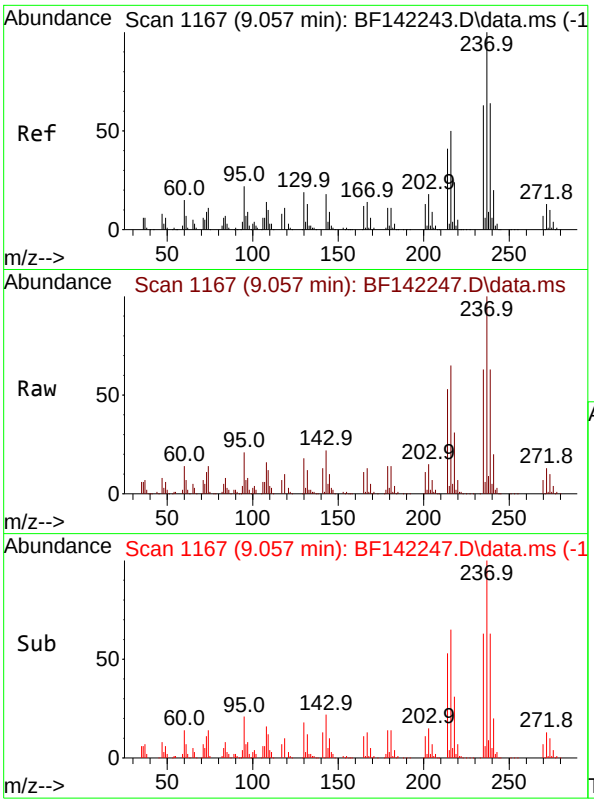


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.349 ng
RT: 9.069 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:216 Resp: 443561

Ion	Ratio	Lower	Upper
216	100		
214	79.6	63.8	95.6
179	21.0	16.7	25.1
108	19.2	15.6	23.4





#41
Hexachlorocyclopentadiene
Concen: 47.321 ng
RT: 9.057 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:237 Resp: 28810

Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.5	83.5
272	13.2	0.0	32.9

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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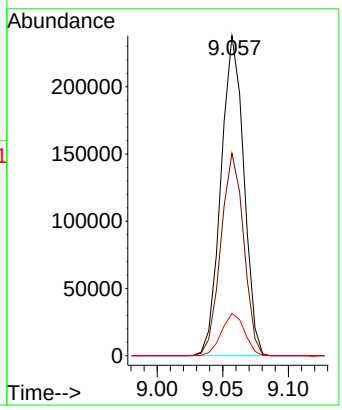
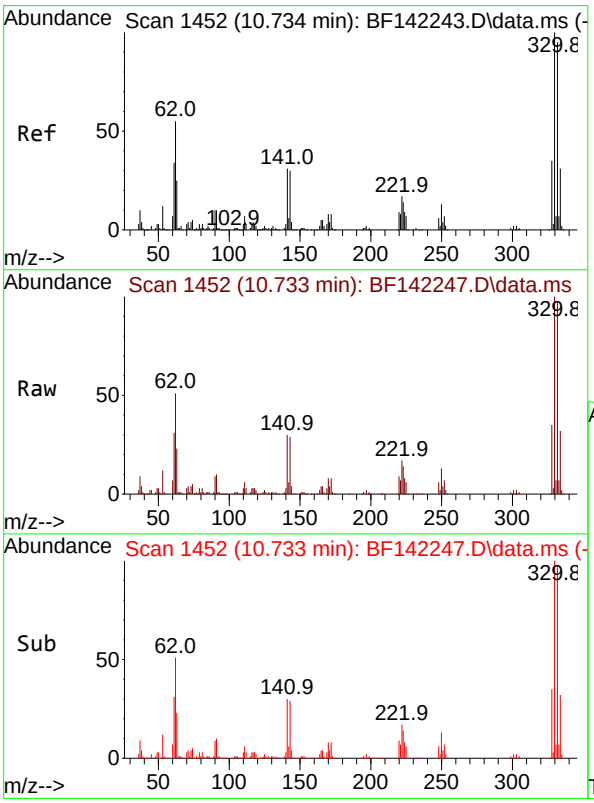
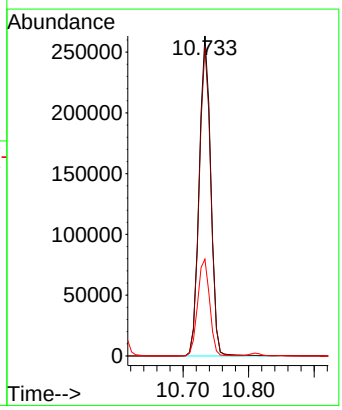


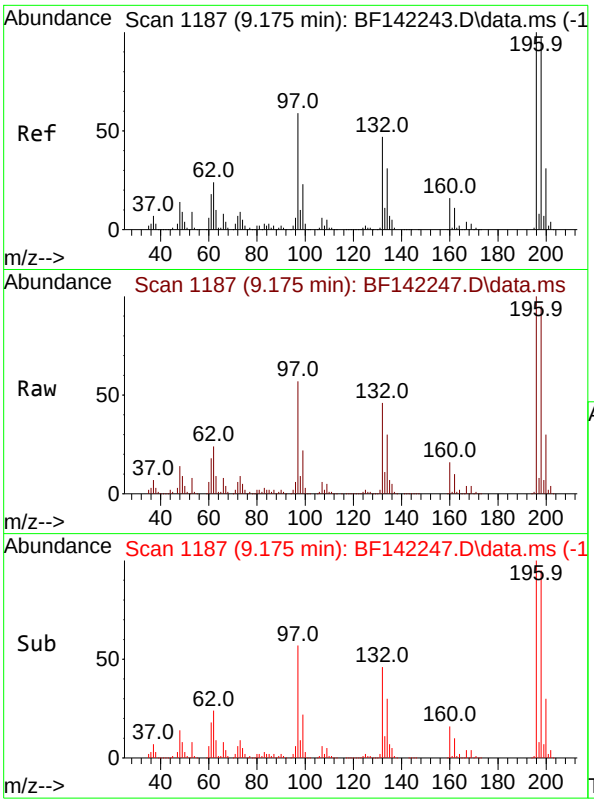


#42
2,4,6-Tribromophenol
Concen: 93.044 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:330 Resp: 323319

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.5	114.7
141	31.4	24.3	36.5

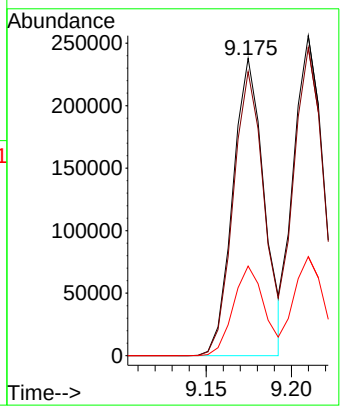




#43
2,4,6-Trichlorophenol
Concen: 45.713 ng
RT: 9.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:196 Resp: 30387

Ion	Ratio	Lower	Upper
196	100		
198	95.5	77.4	116.2
200	30.1	24.6	37.0



Instrument :
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ClientSampleId :
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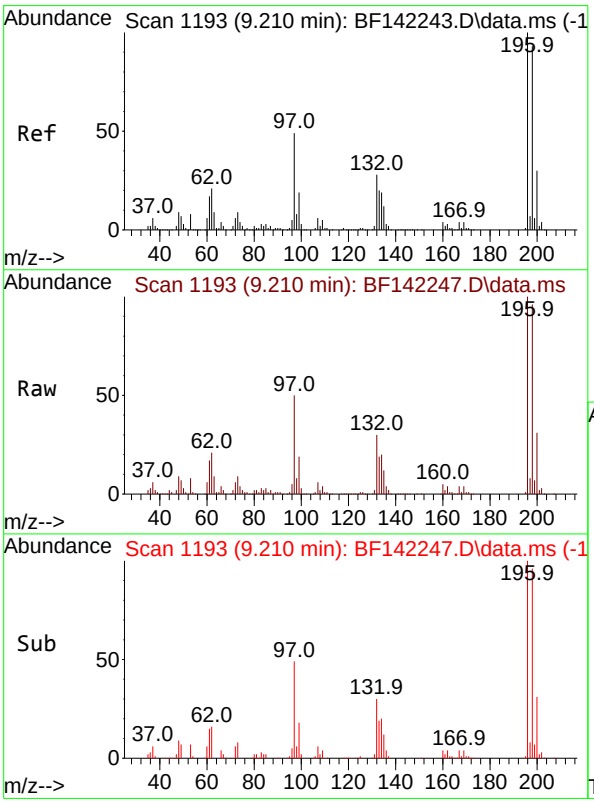
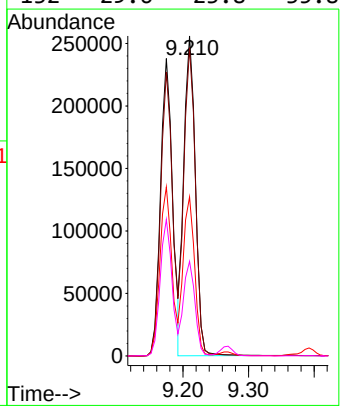
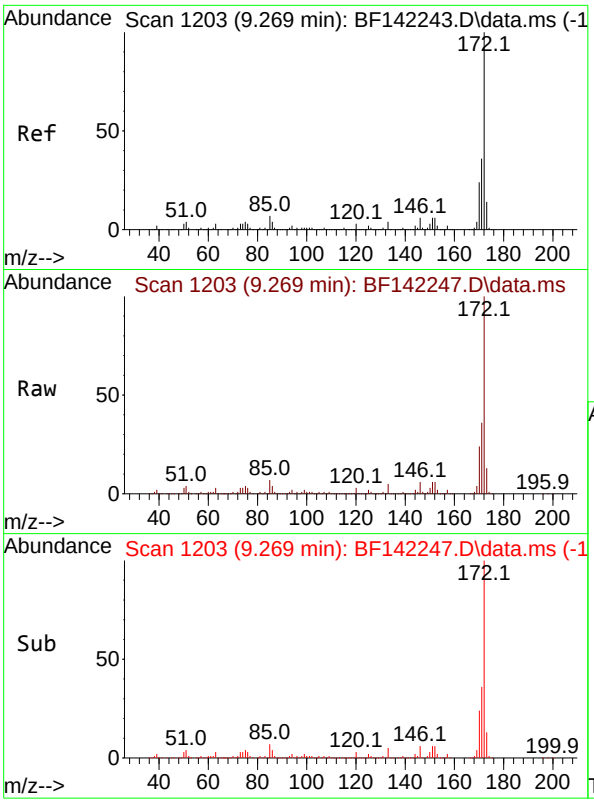


#44
2,4,5-Trichlorophenol
Concen: 44.676 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:196 Resp: 312237

Ion	Ratio	Lower	Upper
196	100		
198	96.3	75.2	112.8
97	49.7	39.8	59.8
132	29.6	23.8	35.8

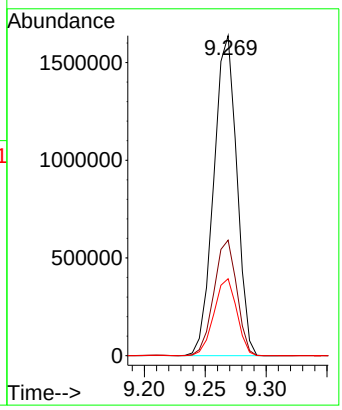




#45
2-Fluorobiphenyl
Concen: 79.807 ng
RT: 9.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:172 Resp: 215749

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.4
170	24.0	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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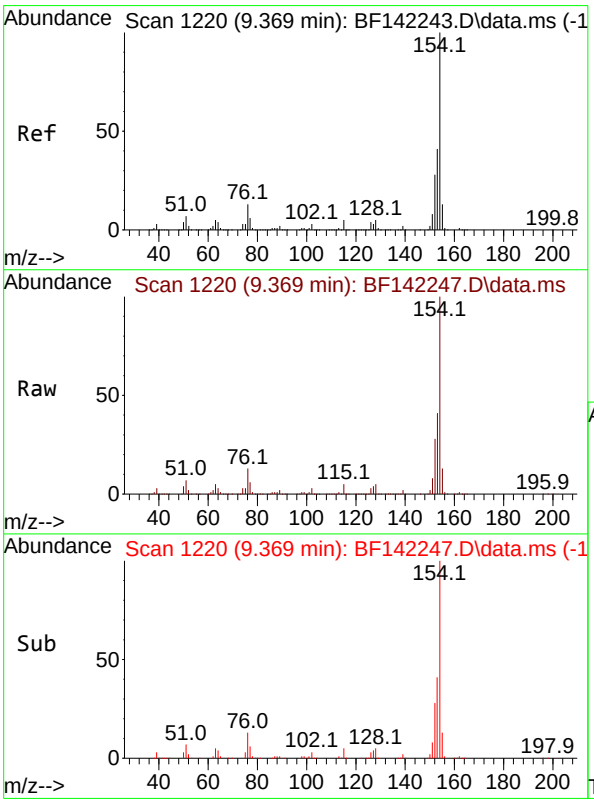
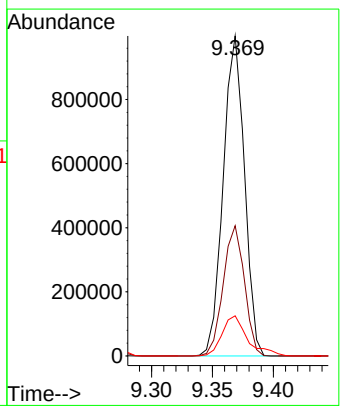
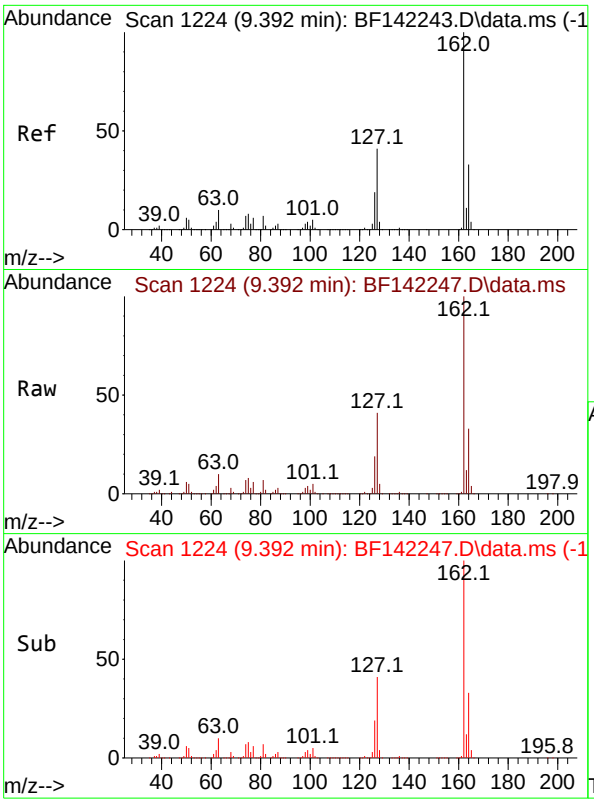


#46
1,1'-Biphenyl
Concen: 40.936 ng
RT: 9.369 min Scan# 1220
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:154 Resp: 1213047

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.5	60.5
76	12.6	0.0	32.8

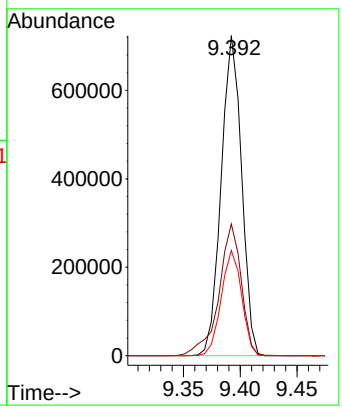




#47
2-Chloronaphthalene
Concen: 41.003 ng
RT: 9.392 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:162 Resp: 90397

Ion	Ratio	Lower	Upper
162	100		
127	41.2	32.6	49.0
164	32.8	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
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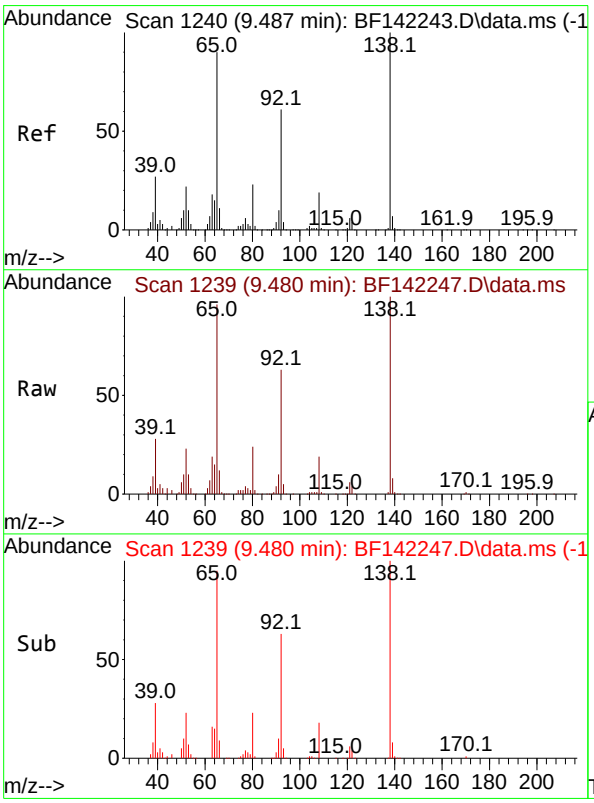
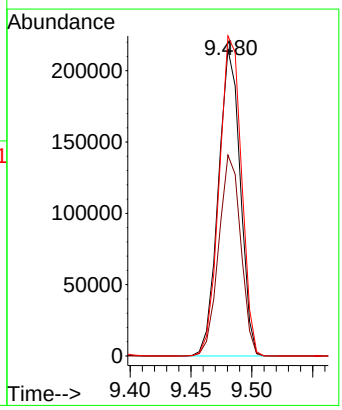
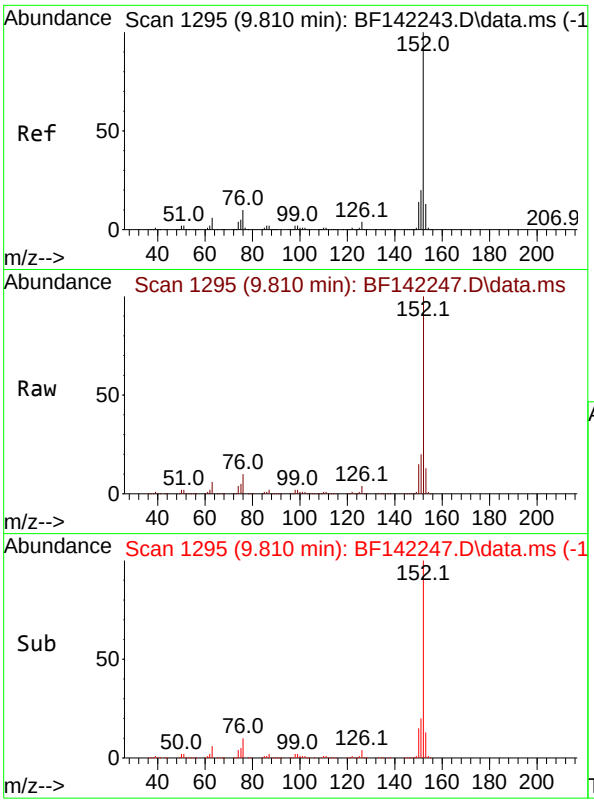


#48
2-Nitroaniline
Concen: 46.523 ng
RT: 9.480 min Scan# 1239
Delta R.T. -0.007 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 65 Resp: 269528

Ion	Ratio	Lower	Upper
65	100		
92	65.5	54.3	81.5
138	104.3	88.6	133.0

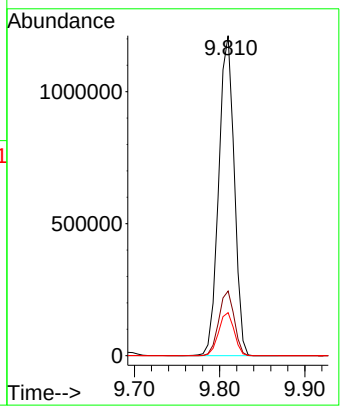




#49
Acenaphthylene
Concen: 41.211 ng
RT: 9.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:152 Resp: 153316

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.4	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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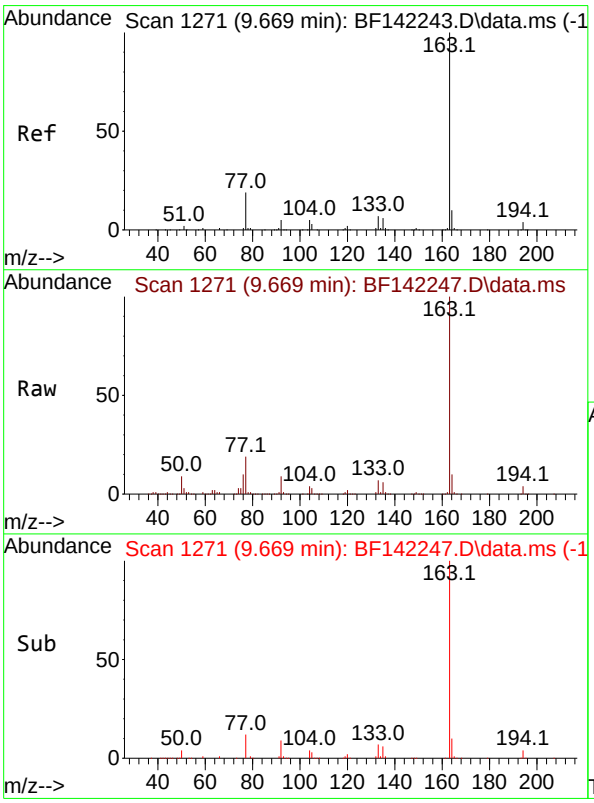
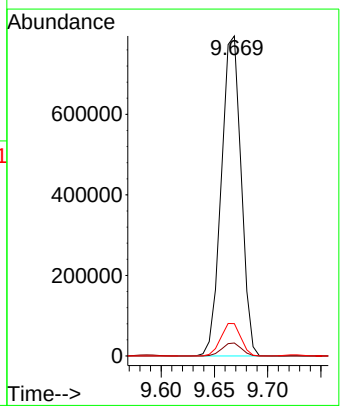
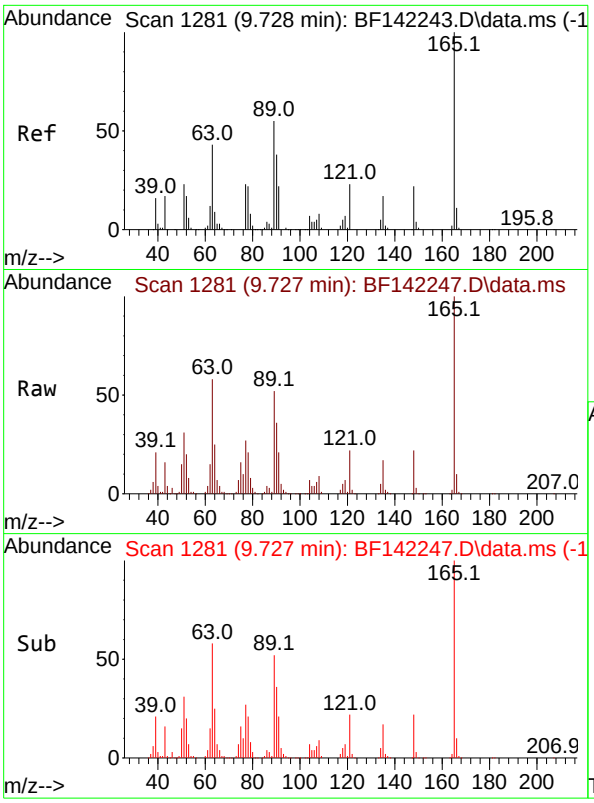


#50
Dimethylphthalate
Concen: 42.054 ng
RT: 9.669 min Scan# 1271
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:163 Resp: 1025498

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.1	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 45.376 ng
RT: 9.727 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:165 Resp: 21110

Ion	Ratio	Lower	Upper
165	100		
63	58.0	48.5	72.7
89	52.2	43.9	65.9

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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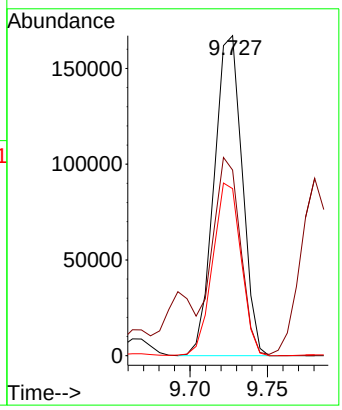
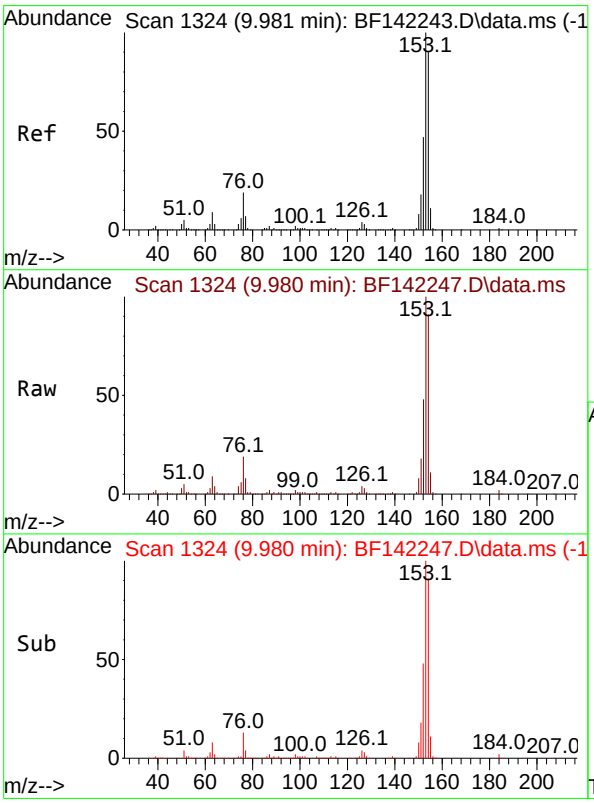
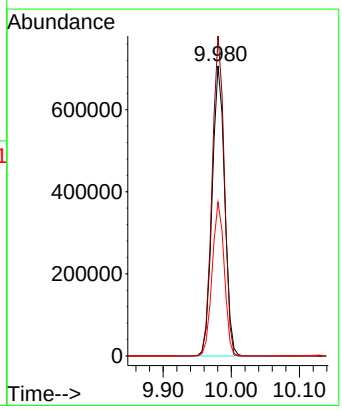


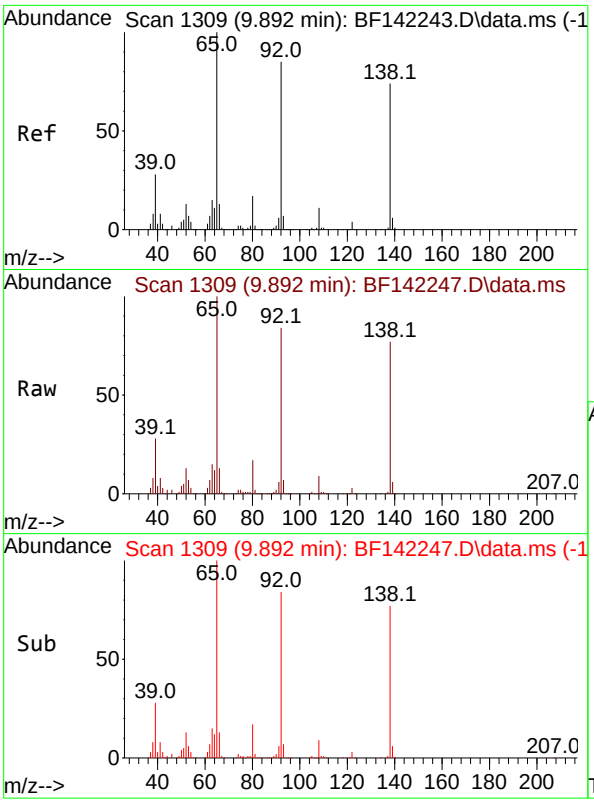


#52
Acenaphthene
Concen: 41.631 ng
RT: 9.980 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:154 Resp: 904325

Ion	Ratio	Lower	Upper
154	100		
153	110.3	88.6	133.0
152	53.0	42.1	63.1





#53
3-Nitroaniline
Concen: 45.509 ng
RT: 9.892 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:138 Resp: 25792

Ion	Ratio	Lower	Upper
138	100		
108	11.7	11.7	17.5
92	109.7	91.2	136.8

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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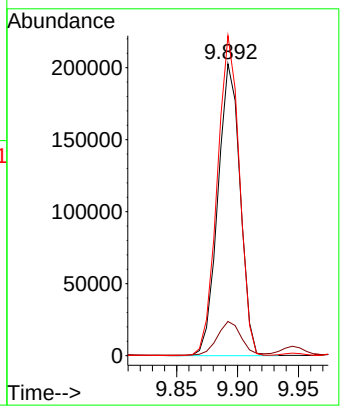
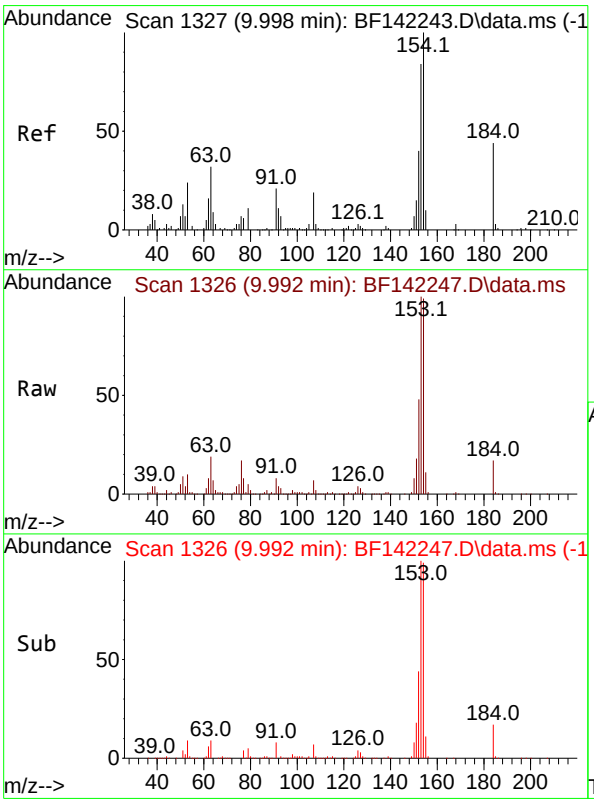
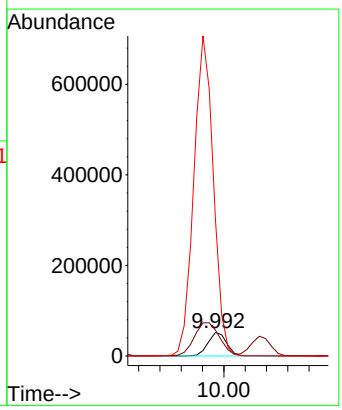


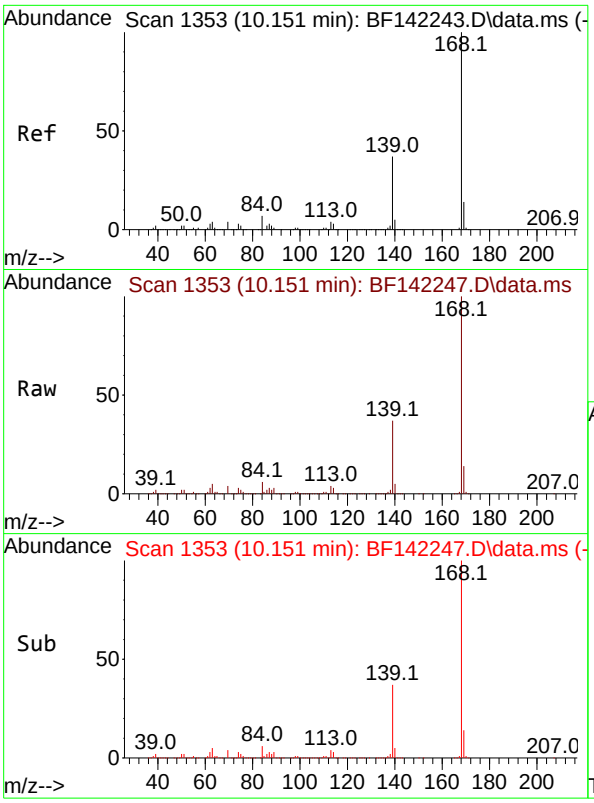


#54
2,4-Dinitrophenol
Concen: 49.090 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:184 Resp: 62568

Ion	Ratio	Lower	Upper
184	100		
63	109.3	69.2	103.8#
154	577.6	271.4	407.2#

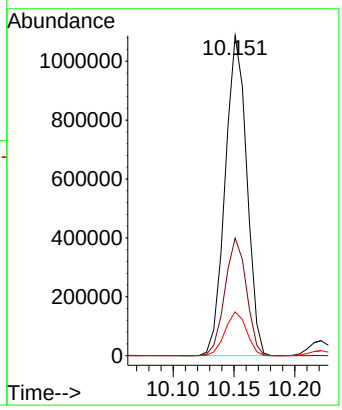




#55
Dibenzofuran
Concen: 41.181 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:168 Resp: 134093

Ion	Ratio	Lower	Upper
168	100		
139	36.8	29.4	44.0
169	13.7	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
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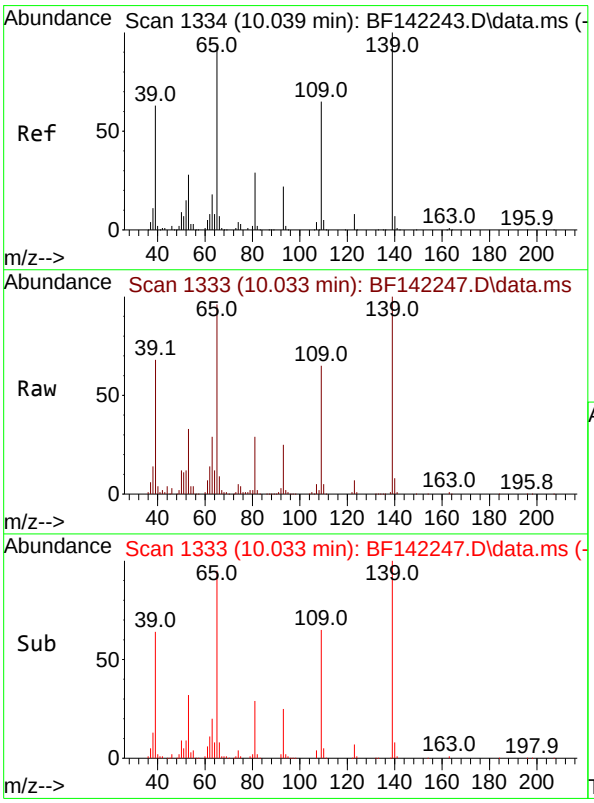
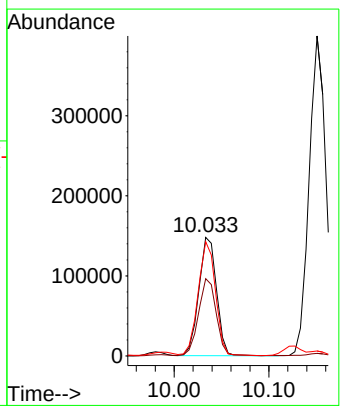
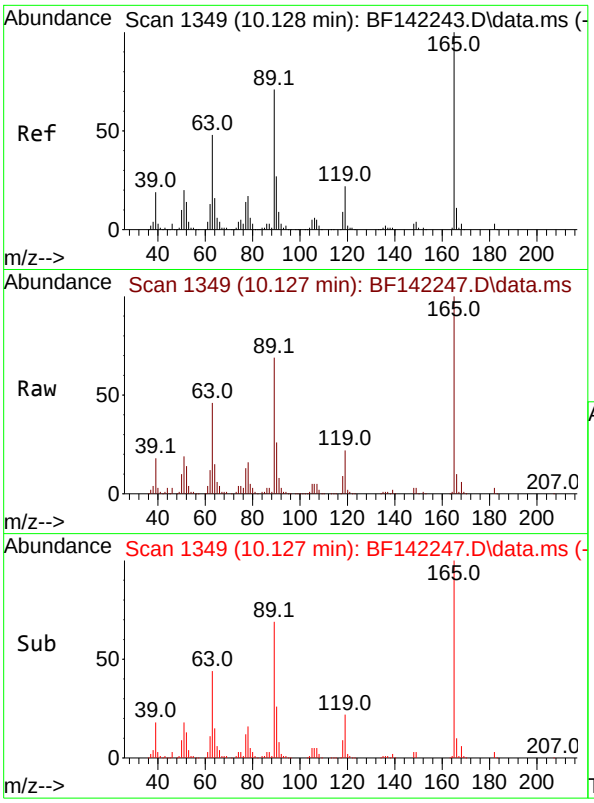


#56
4-Nitrophenol
Concen: 49.952 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:139 Resp: 191463

Ion	Ratio	Lower	Upper
139	100		
109	65.2	44.9	84.9
65	96.4	74.7	114.7

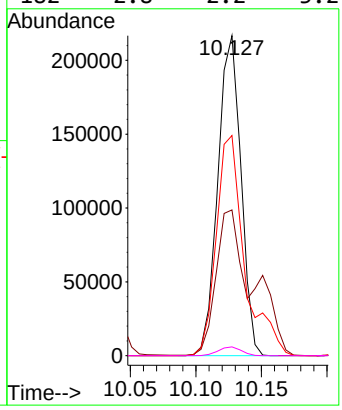




#57
2,4-Dinitrotoluene
Concen: 46.994 ng
RT: 10.127 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:165 Resp: 26541

Ion	Ratio	Lower	Upper
165	100		
63	45.6	38.8	58.2
89	68.8	57.1	85.7
182	2.8	2.2	3.2



Instrument :
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ClientSampleId :
ICVBF043025

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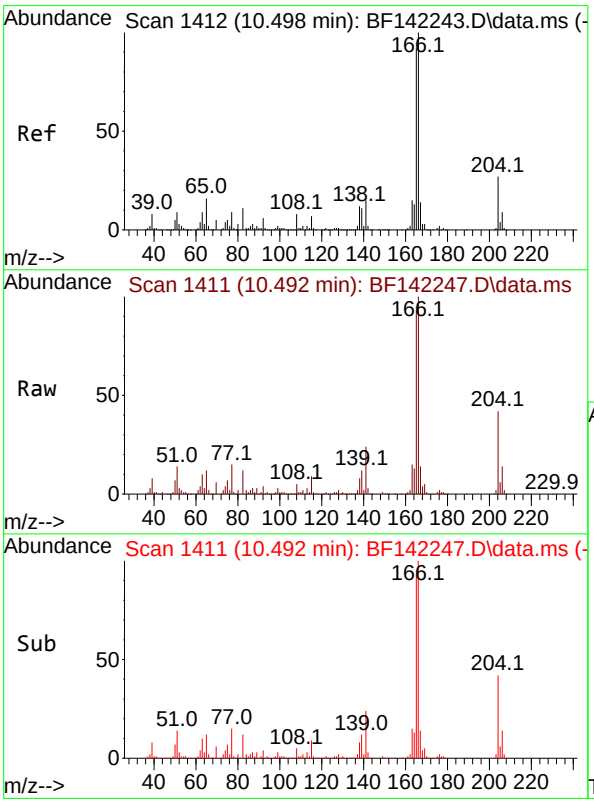
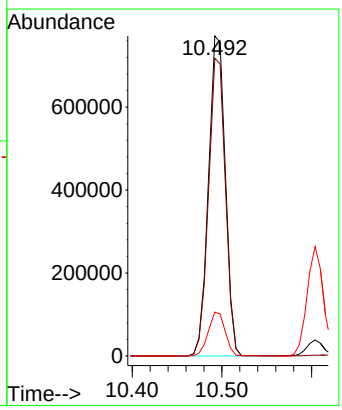
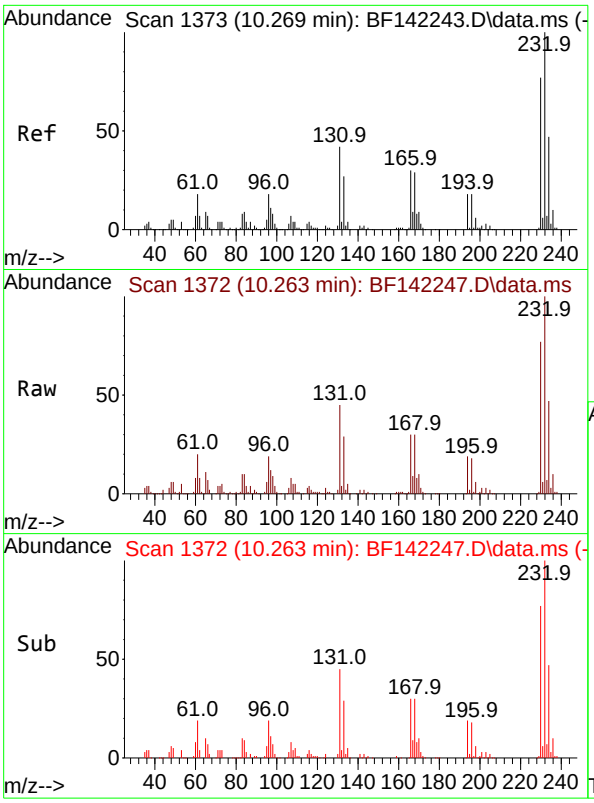


#58
Fluorene
Concen: 40.714 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:166 Resp: 1008032

Ion	Ratio	Lower	Upper
166	100		
165	93.0	73.9	110.9
167	13.7	10.8	16.2

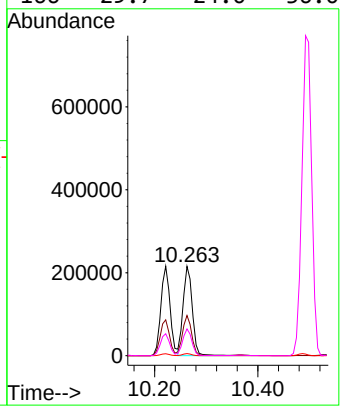




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.724 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:232 Resp: 26470

Ion	Ratio	Lower	Upper
232	100		
131	44.8	35.9	53.9
130	2.3	1.8	2.6
166	29.7	24.0	36.0



Instrument :
BNA_F
ClientSampleId :
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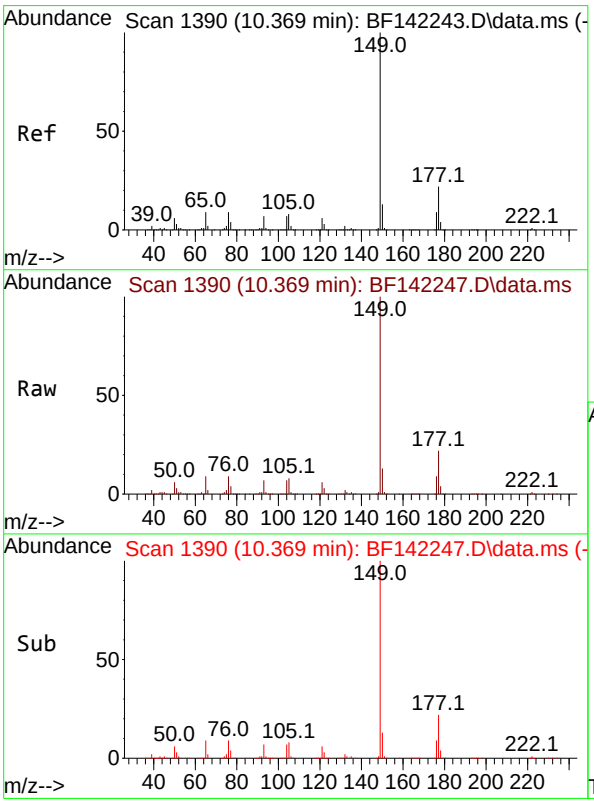
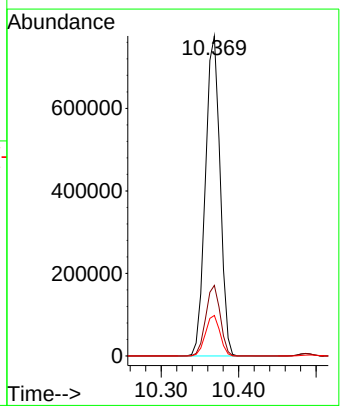
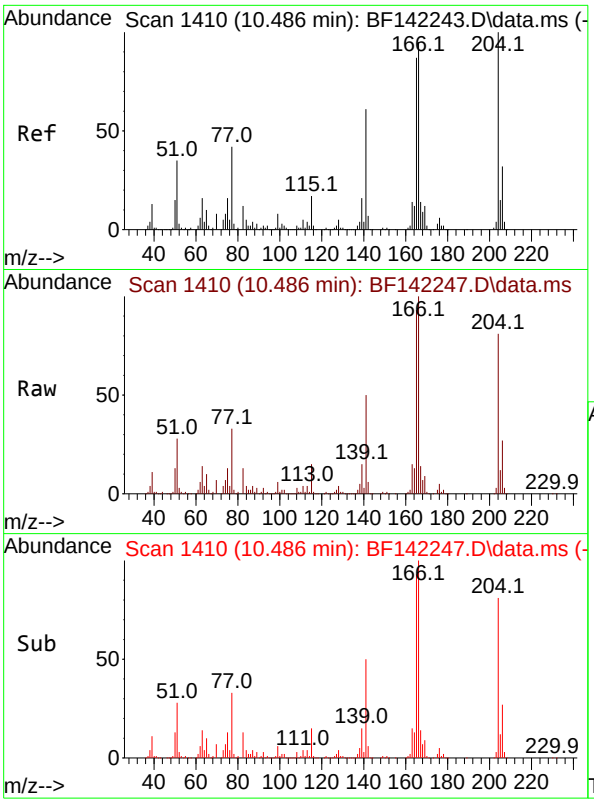


#60
Diethylphthalate
Concen: 42.222 ng
RT: 10.369 min Scan# 1390
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:149 Resp: 1016722

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.6	26.4
150	12.7	10.2	15.2





#61
4-Chlorophenyl-phenylether
Concen: 40.626 ng
RT: 10.486 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

Tgt Ion:204 Resp: 47768

Ion	Ratio	Lower	Upper
204	100		
206	32.7	25.6	38.4
141	61.2	48.9	73.3

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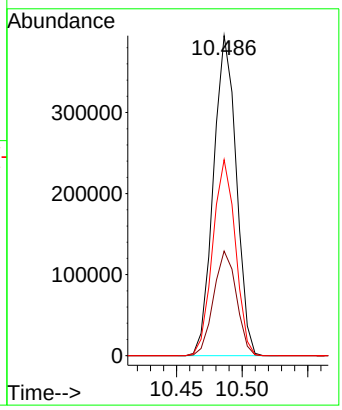
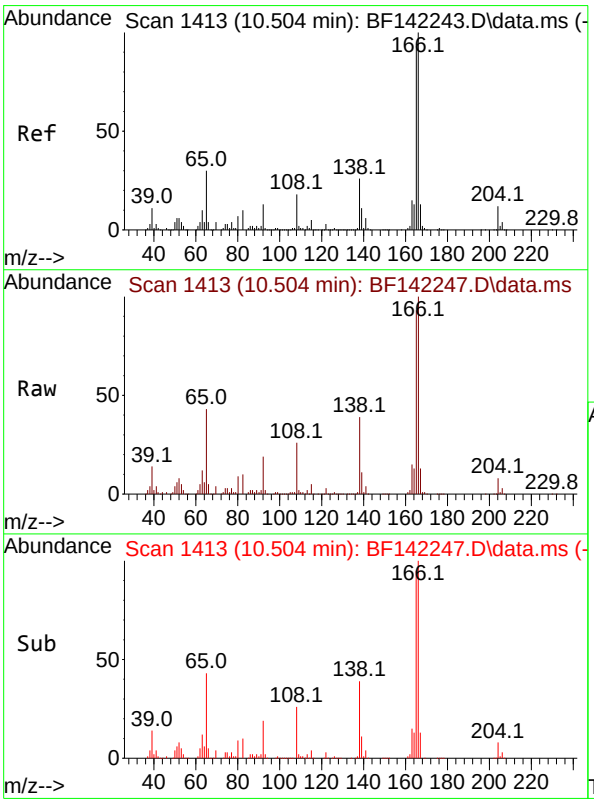
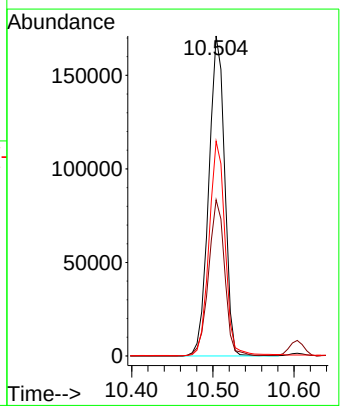


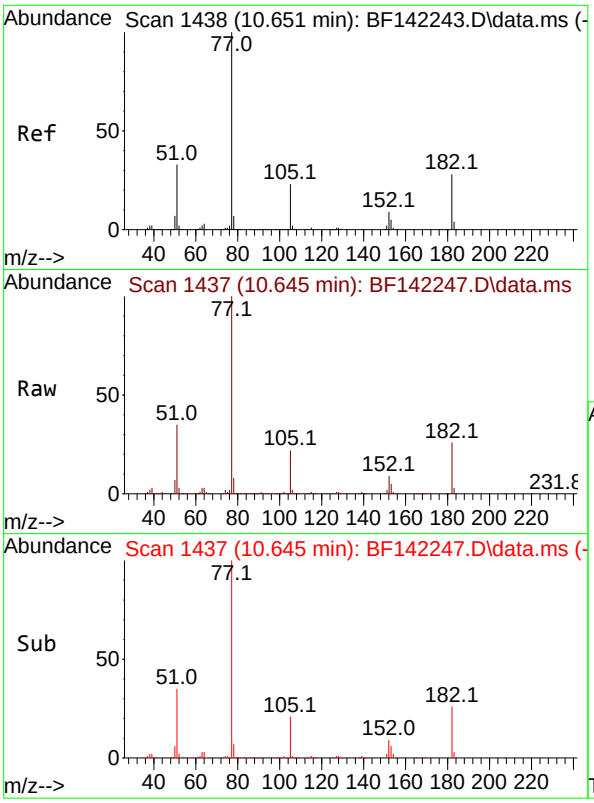


#62
4-Nitroaniline
Concen: 45.070 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:138 Resp: 232165

Ion	Ratio	Lower	Upper
138	100		
92	48.8	29.2	69.2
108	67.1	49.1	89.1

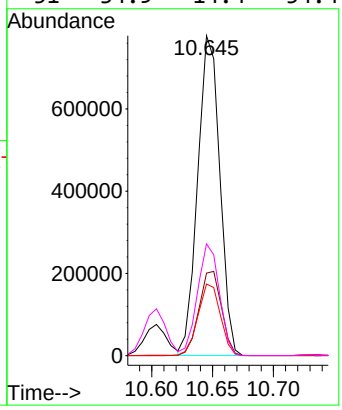




#63
Azobenzene
Concen: 41.400 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 77 Resp: 98444

Ion	Ratio	Lower	Upper
77	100		
182	25.8	7.3	47.3
105	22.4	2.5	42.5
51	34.9	14.4	54.4



Instrument :
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ClientSampleId :
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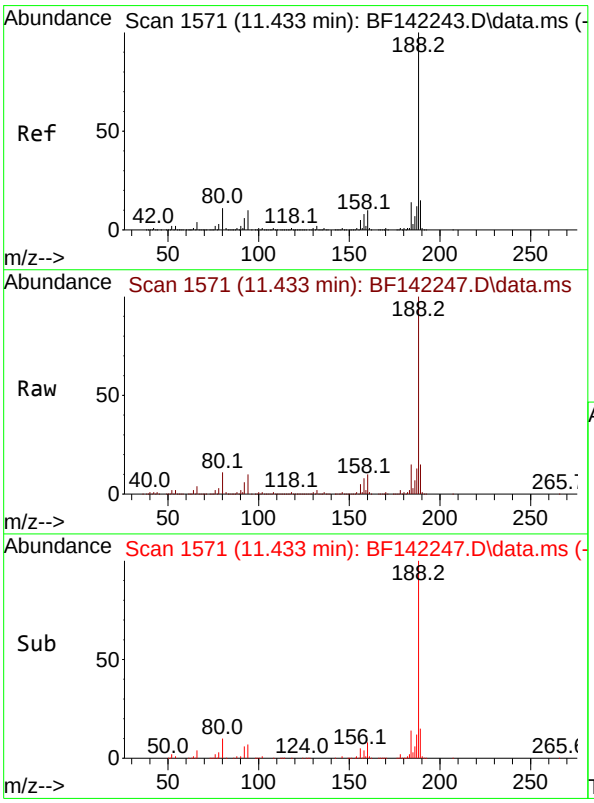
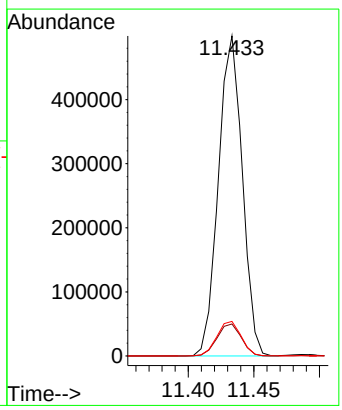
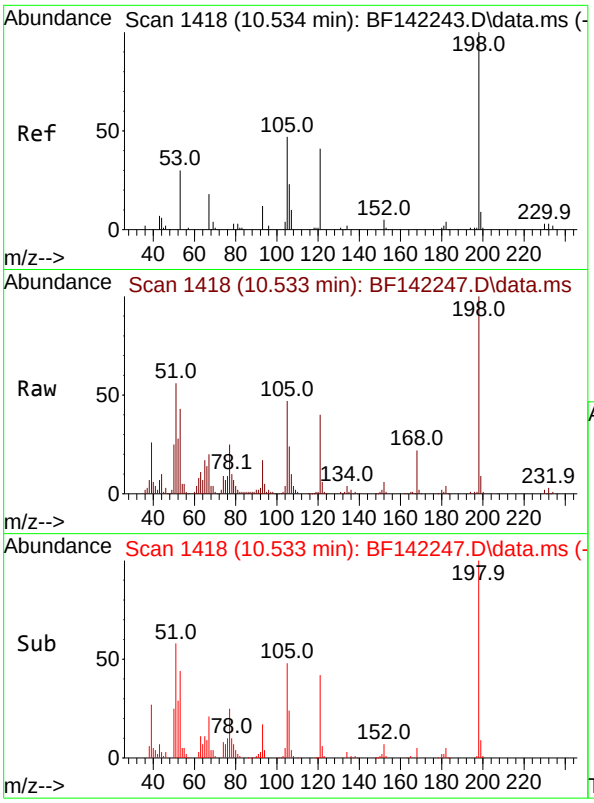


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:188 Resp: 633040

Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.2	12.2
80	10.8	8.6	12.8

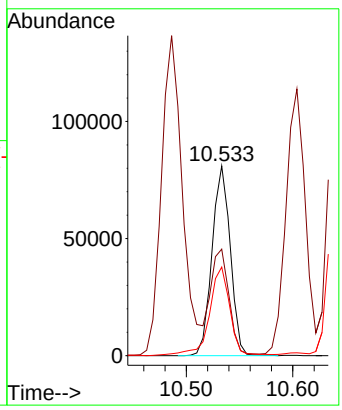




#65
4,6-Dinitro-2-methylphenol
Concen: 46.598 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.001 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:198 Resp: 9634

Ion	Ratio	Lower	Upper
198	100		
51	56.1	40.6	80.6
105	46.7	29.2	69.2



Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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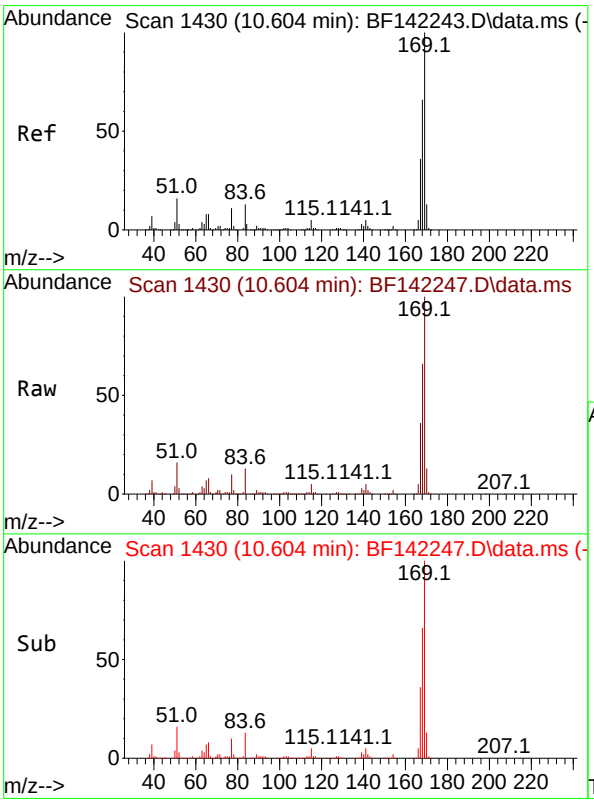
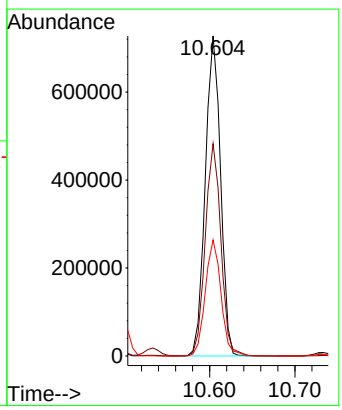
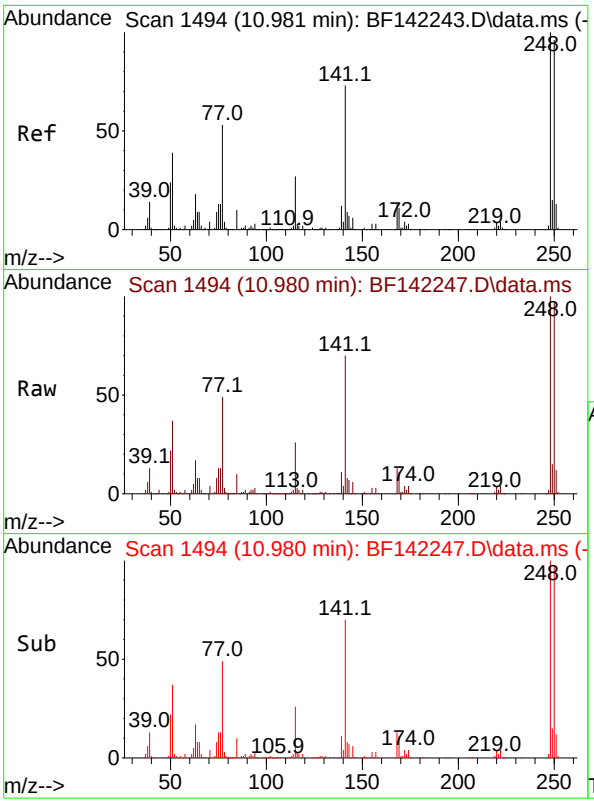


#66
n-Nitrosodiphenylamine
Concen: 41.816 ng
RT: 10.604 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:169 Resp: 904466

Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.0	79.6
167	36.3	28.8	43.2

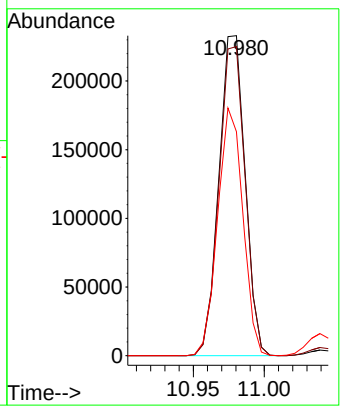




#67
4-Bromophenyl-phenylether
Concen: 42.497 ng
RT: 10.980 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:248 Resp: 29960

Ion	Ratio	Lower	Upper
248	100		
250	96.6	77.2	115.8
141	70.0	58.4	87.6



Instrument :
BNA_F
ClientSampleId :
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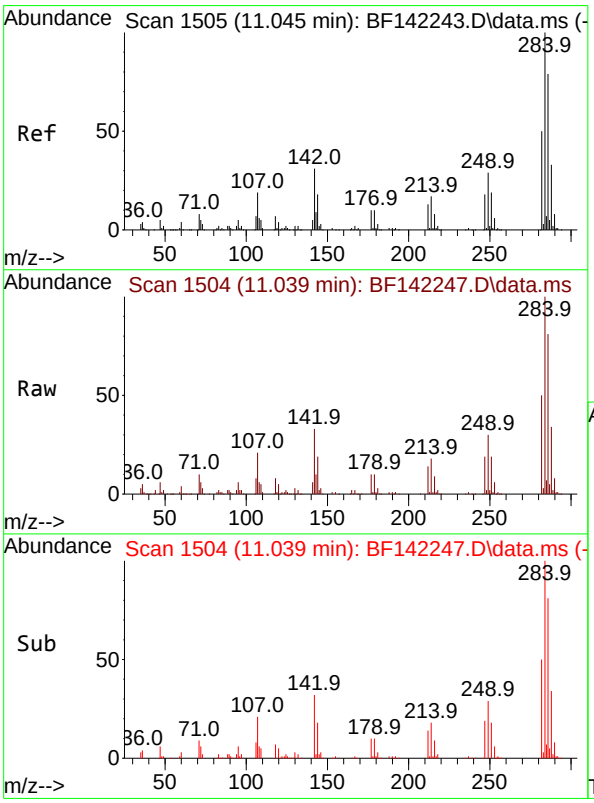
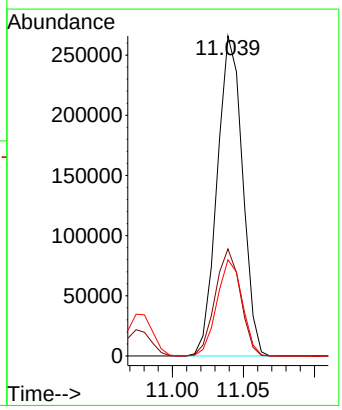
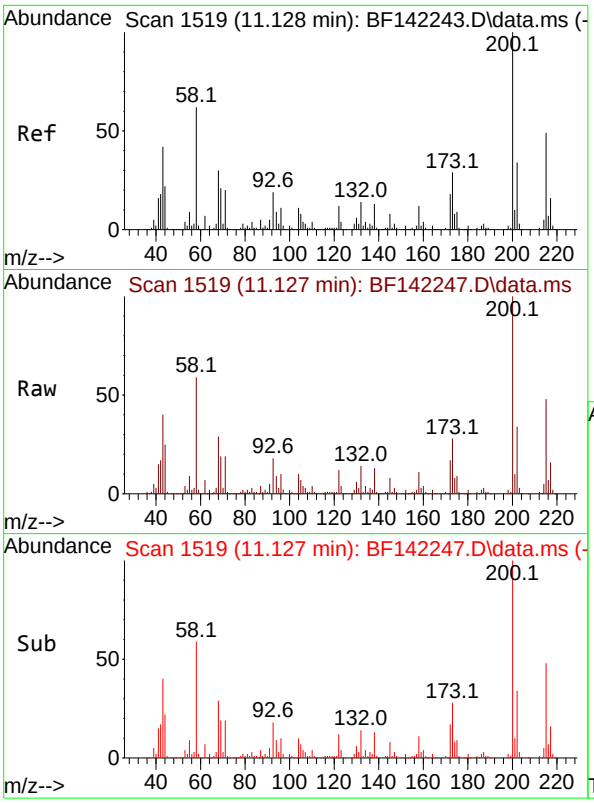


#68
Hexachlorobenzene
Concen: 41.800 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:284 Resp: 330048

Ion	Ratio	Lower	Upper
284	100		
142	33.5	24.6	37.0
249	30.1	23.2	34.8

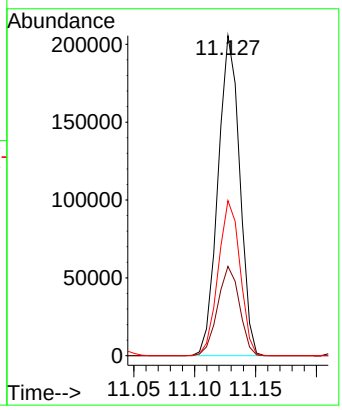




#69
Atrazine
Concen: 44.732 ng
RT: 11.127 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:200 Resp: 25503

Ion	Ratio	Lower	Upper
200	100		
173	27.9	8.6	48.6
215	48.4	28.5	68.5



Instrument :
BNA_F
ClientSampleId :
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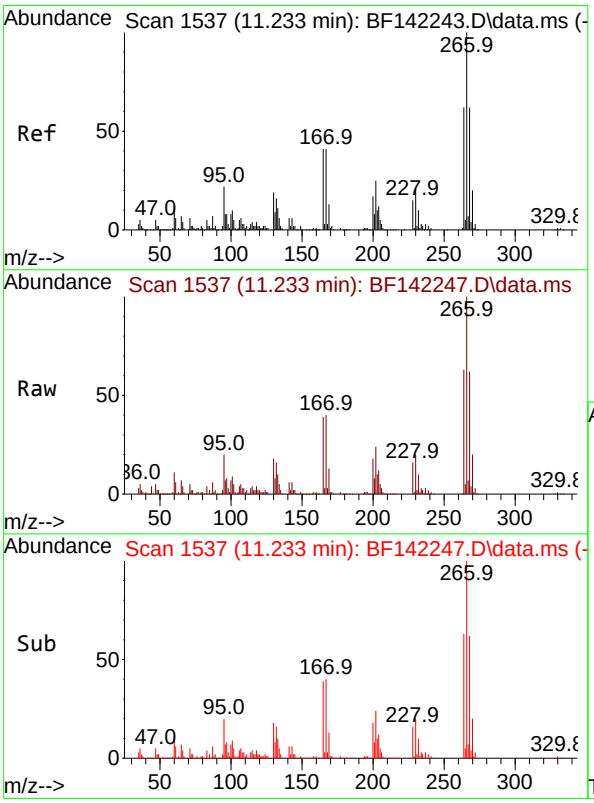
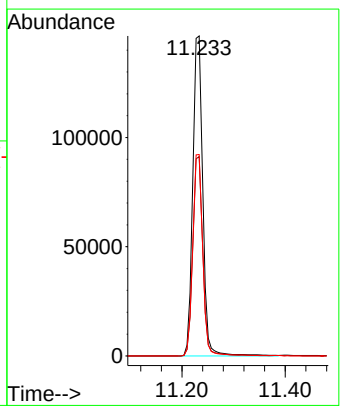
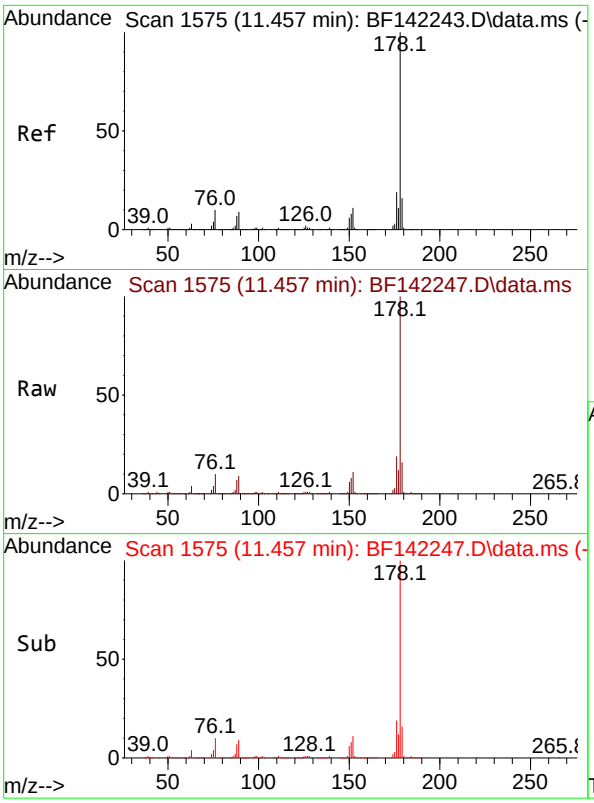


#70
Pentachlorophenol
Concen: 47.342 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:266 Resp: 197476

Ion	Ratio	Lower	Upper
266	100		
268	62.3	50.0	75.0
264	62.9	49.3	73.9





#71
Phenanthrene
Concen: 40.955 ng
RT: 11.457 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:178 Resp: 140043

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.6	12.6	19.0

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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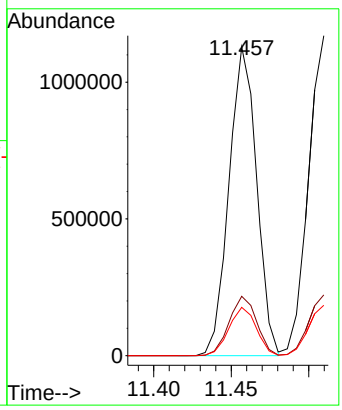
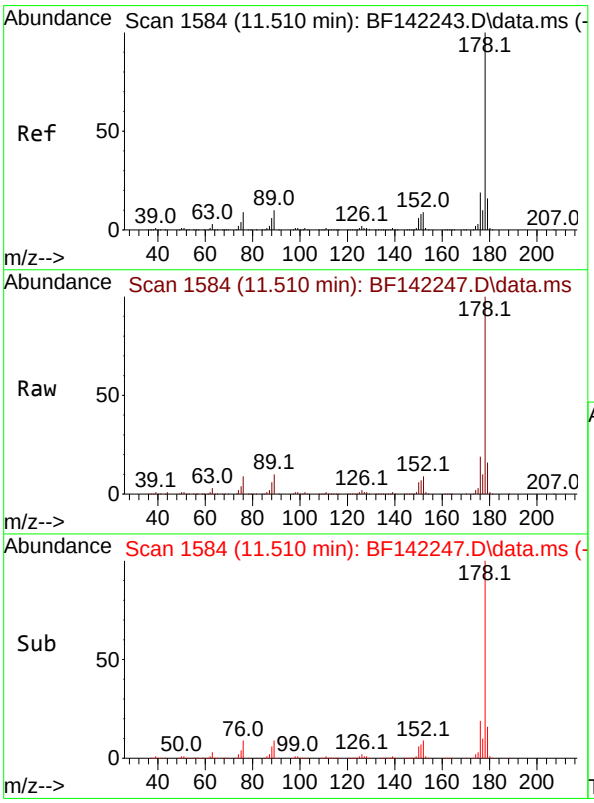
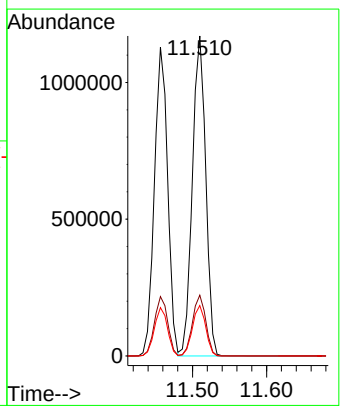


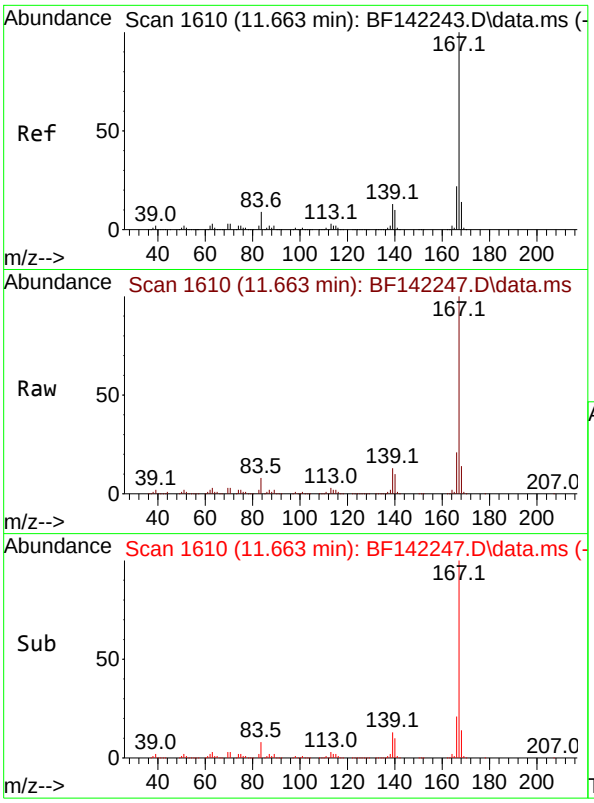


#72
Anthracene
Concen: 41.854 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:178 Resp: 1463247

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.8	12.7	19.1

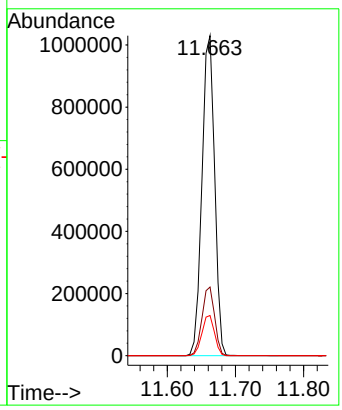




#73
Carbazole
Concen: 41.793 ng
RT: 11.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:167 Resp: 133285

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.3	25.9
139	12.5	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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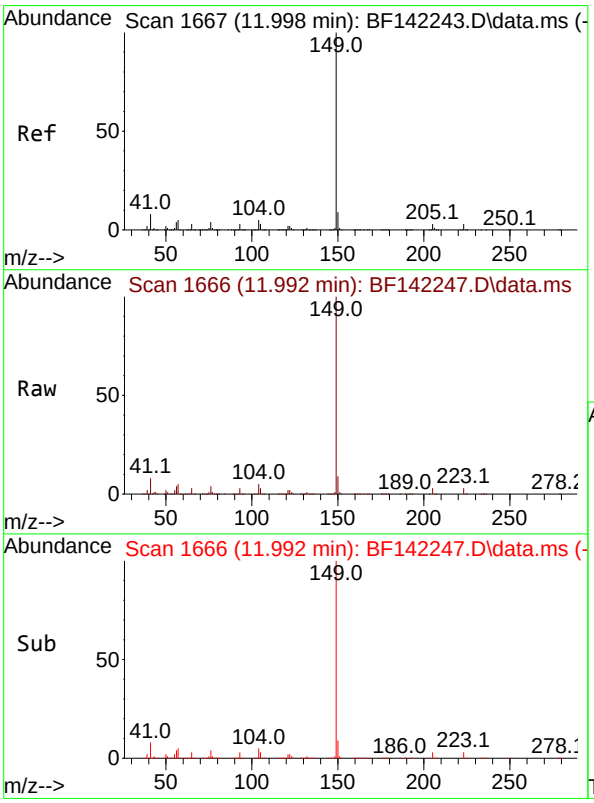
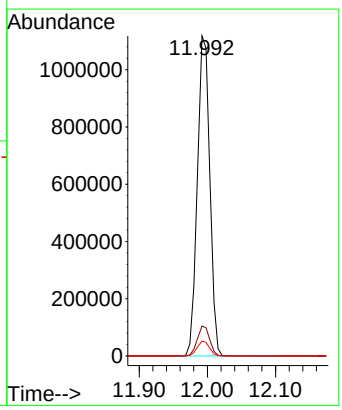
Supervised By :Jagrut Upadhyay 05/01/2025

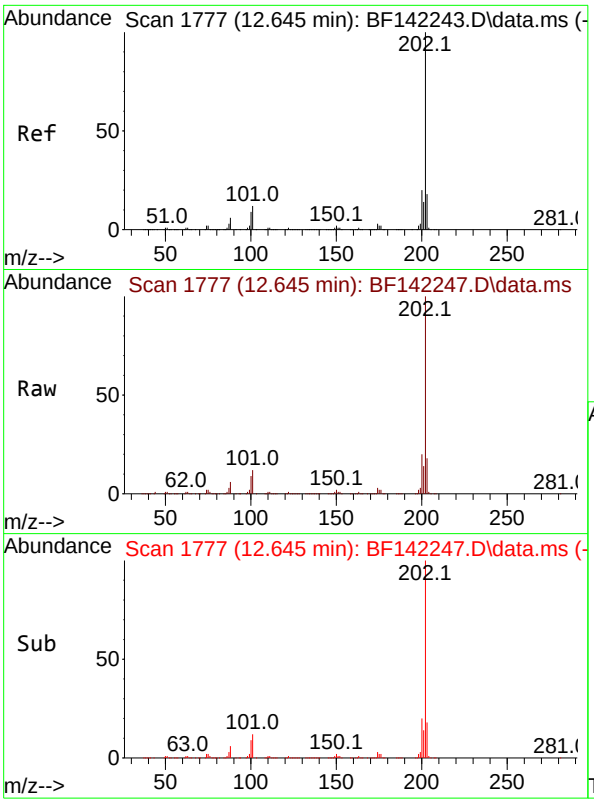


#74
Di-n-butylphthalate
Concen: 44.051 ng
RT: 11.992 min Scan# 1666
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:149 Resp: 1412919

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.6	3.6	5.4

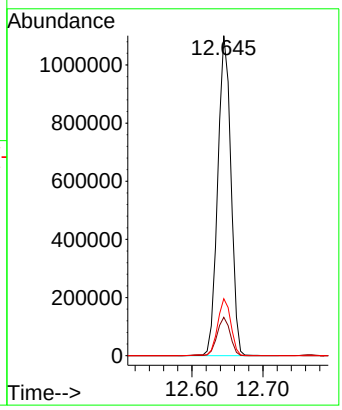




#75
Fluoranthene
Concen: 41.690 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:202 Resp: 140918

Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	32.4
203	17.8	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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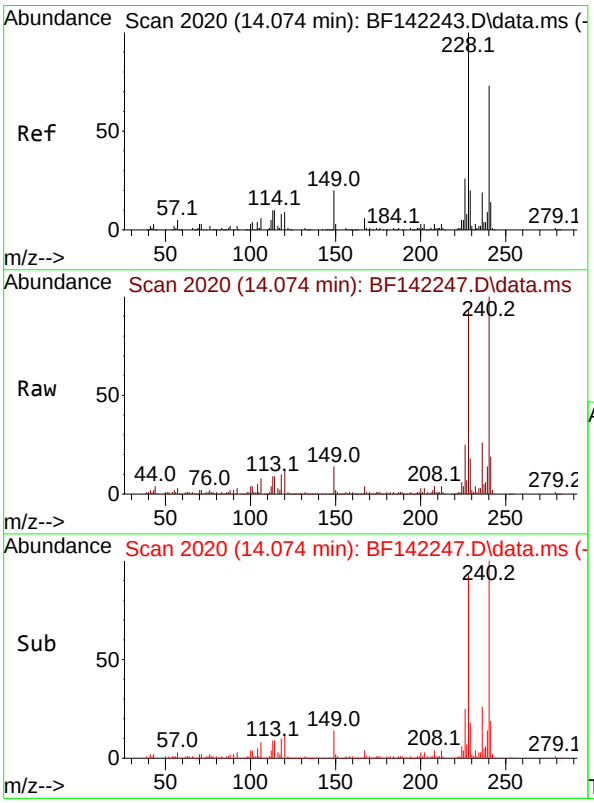
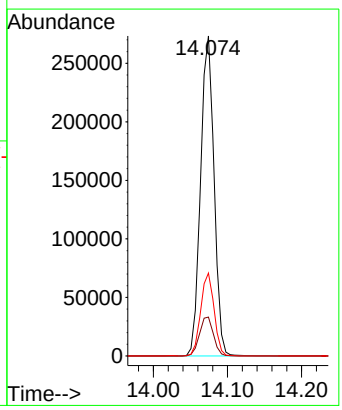
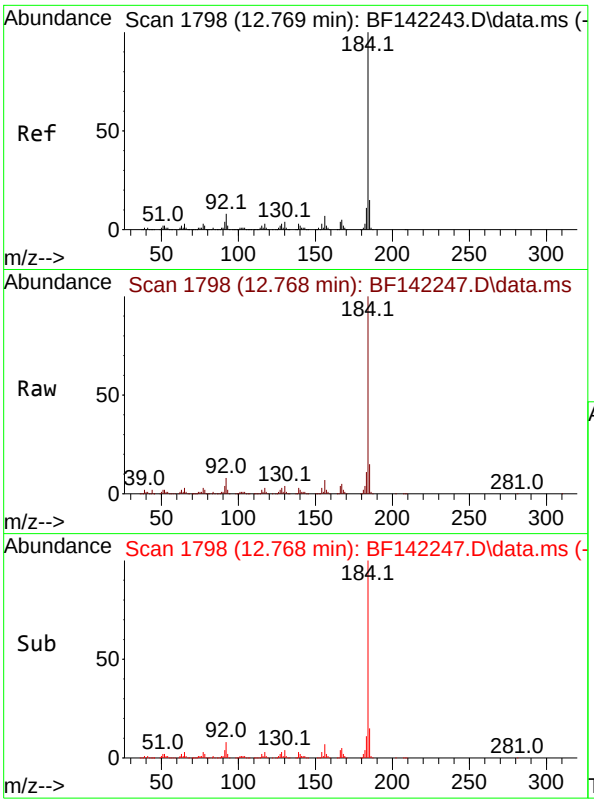


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:240 Resp: 345729

Ion	Ratio	Lower	Upper
240	100		
120	12.1	10.1	15.1
236	25.9	20.5	30.7

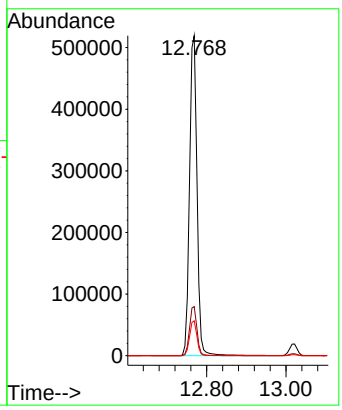




#77
Benzidine
Concen: 46.435 ng
RT: 12.768 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:184 Resp: 68215

Ion	Ratio	Lower	Upper
184	100		
185	15.3	11.8	17.6
183	10.9	8.9	13.3



Instrument :
BNA_F
ClientSampleId :
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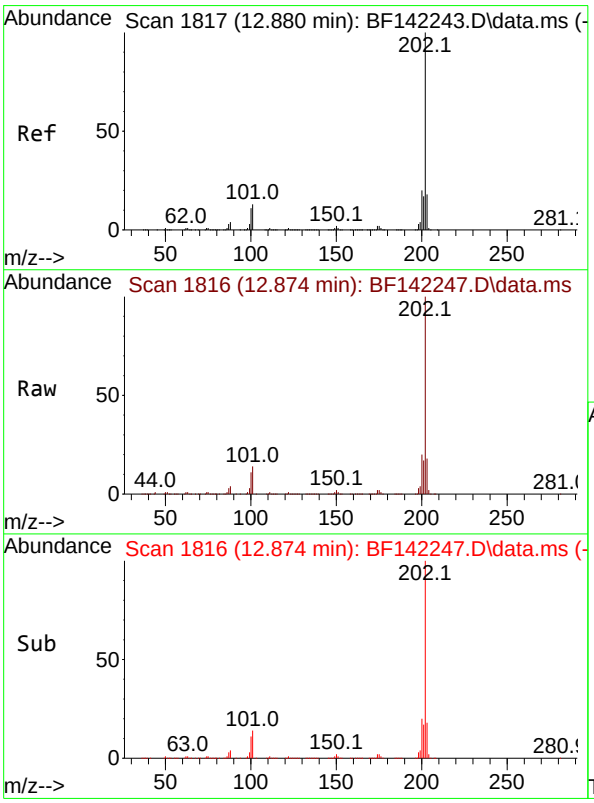
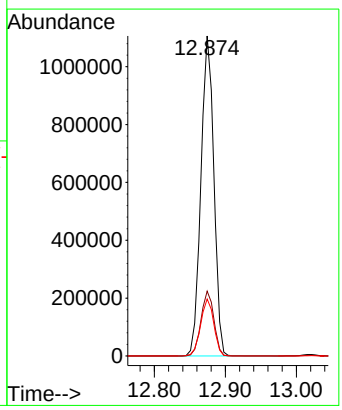
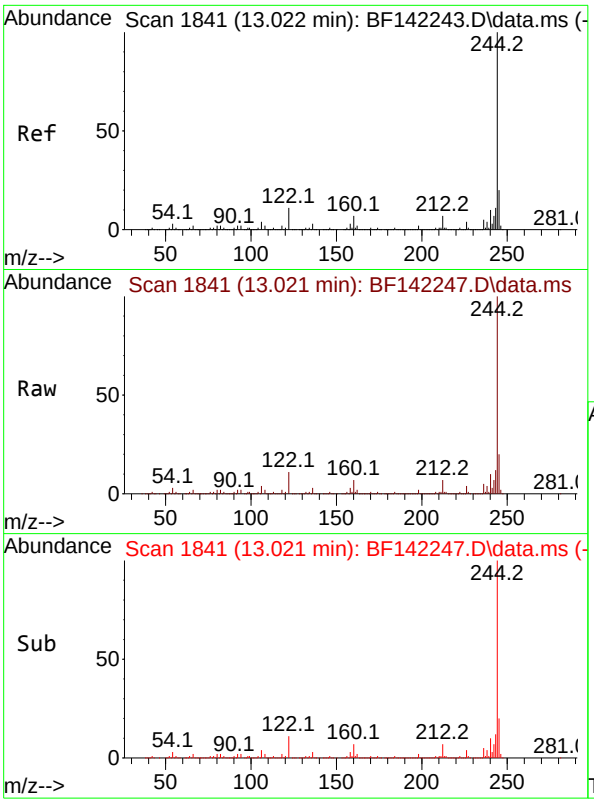


#78
Pyrene
Concen: 44.082 ng
RT: 12.874 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:202 Resp: 1405875

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.1	24.1
203	17.8	14.1	21.1

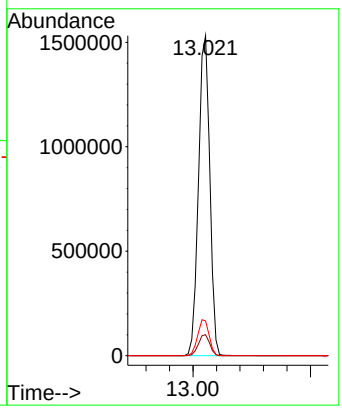




#79
Terphenyl-d14
Concen: 85.716 ng
RT: 13.021 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:244 Resp: 203756

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	10.9	9.1	13.7



Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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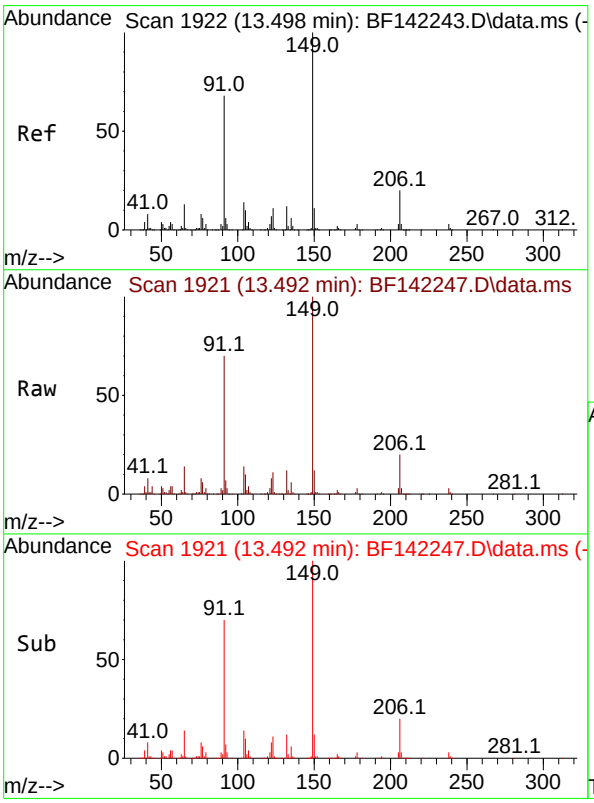
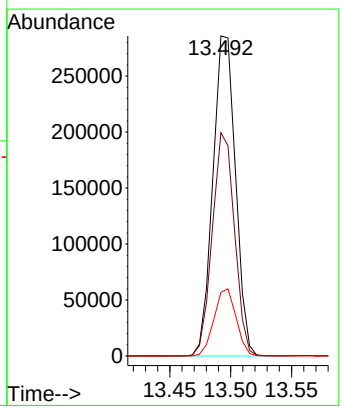
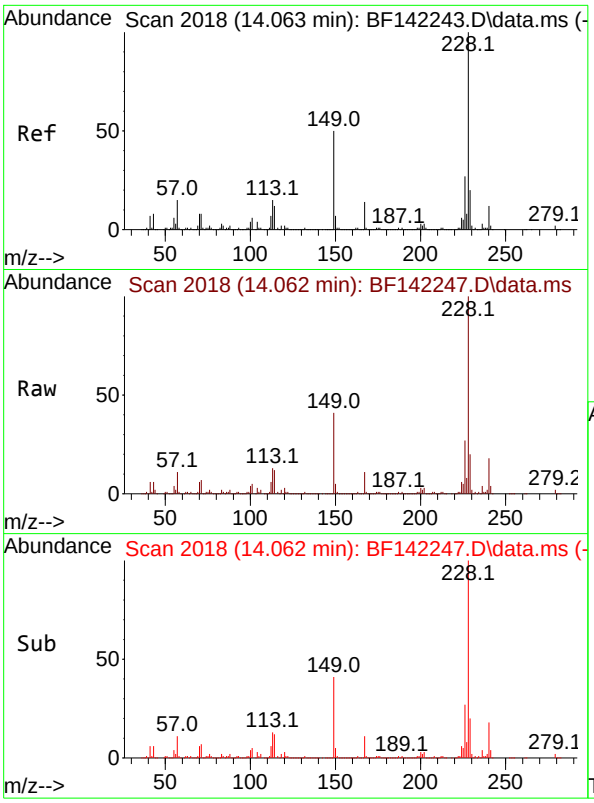


#80
Butylbenzylphthalate
Concen: 42.984 ng
RT: 13.492 min Scan# 1921
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:149 Resp: 371146

Ion	Ratio	Lower	Upper
149	100		
91	69.8	54.4	81.6
206	19.9	15.9	23.9

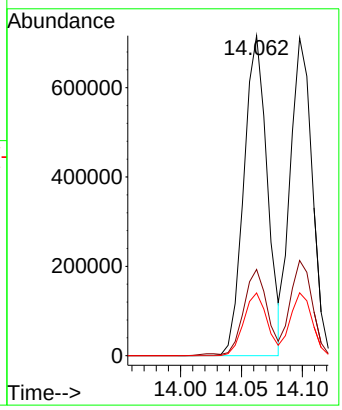




#81
Benzo(a)anthracene
Concen: 41.383 ng
RT: 14.062 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:228 Resp: 96048

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.9	32.9
229	19.6	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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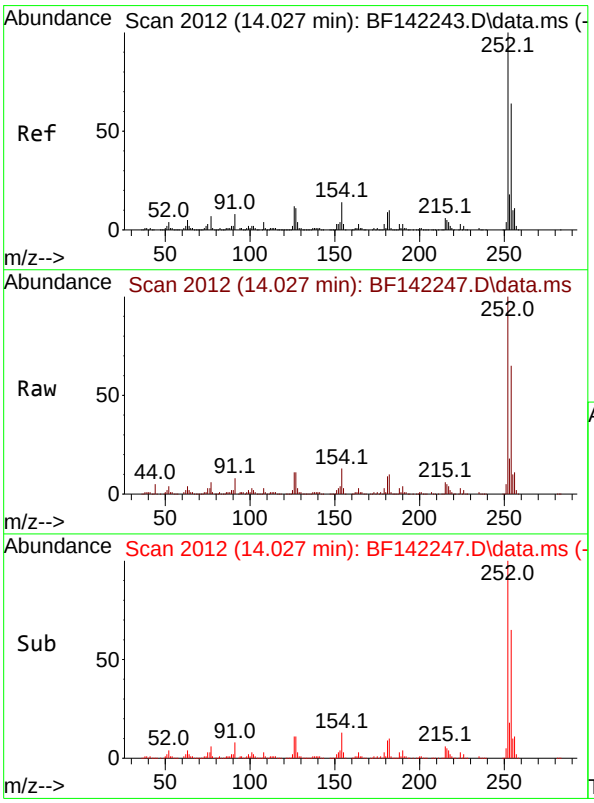
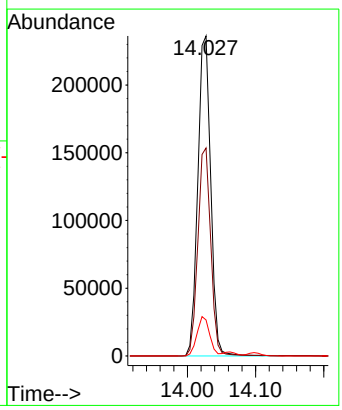
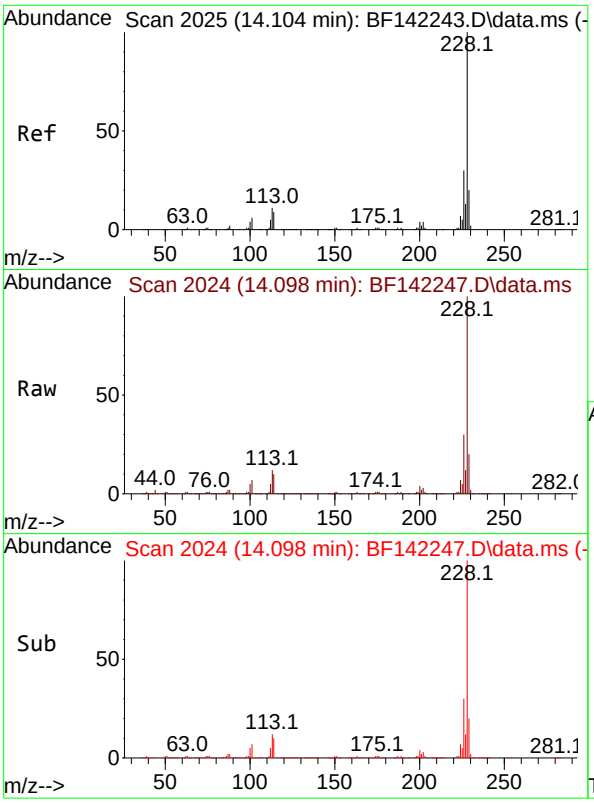


#82
3,3'-Dichlorobenzidine
Concen: 45.495 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:252 Resp: 310153

Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.0	76.6
126	11.3	9.4	14.2

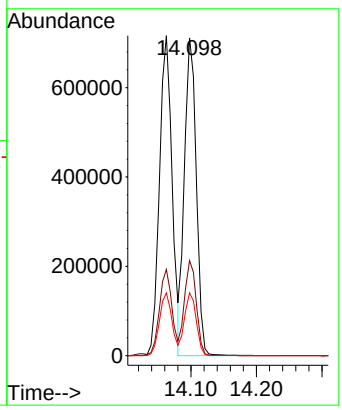




#83
Chrysene
Concen: 42.158 ng
RT: 14.098 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:228 Resp: 89067

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.0	36.0
229	19.8	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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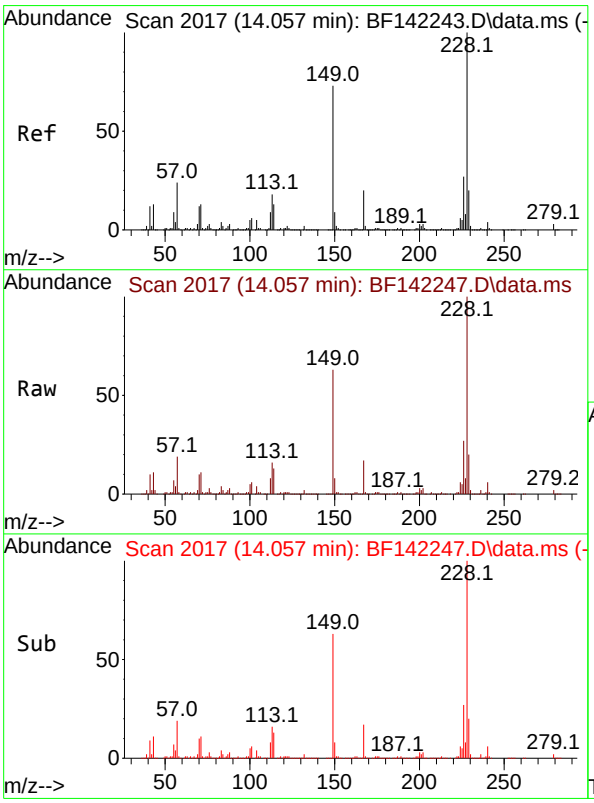
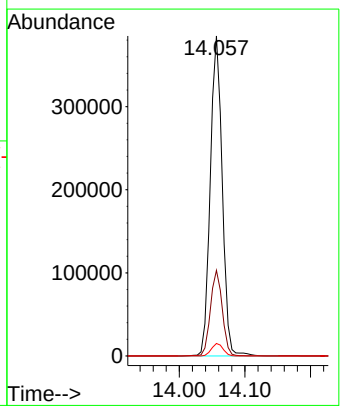
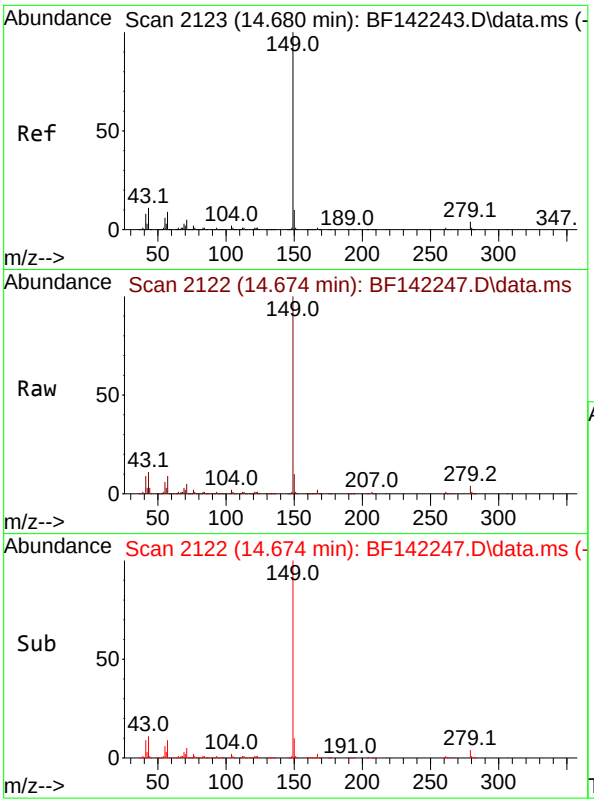


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.882 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:149 Resp: 487122

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.7	32.5
279	3.9	3.0	4.4

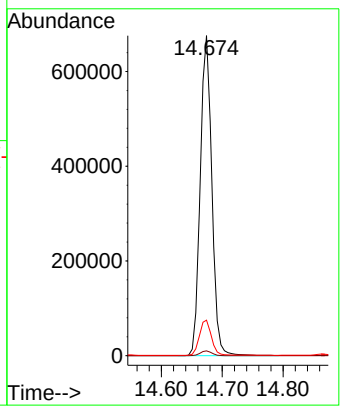




#85
Di-n-octyl phthalate
Concen: 41.178 ng
RT: 14.674 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:149 Resp: 88984

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	11.4	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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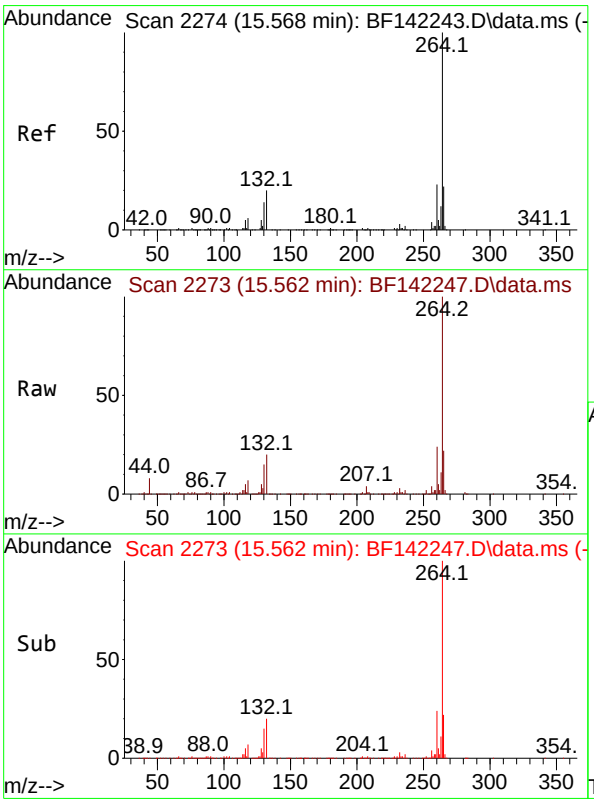
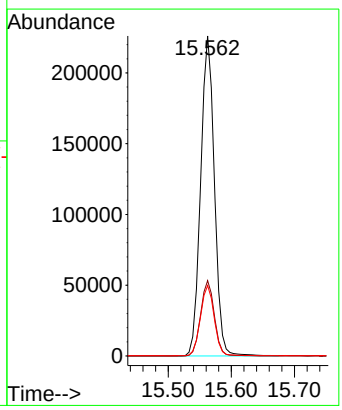
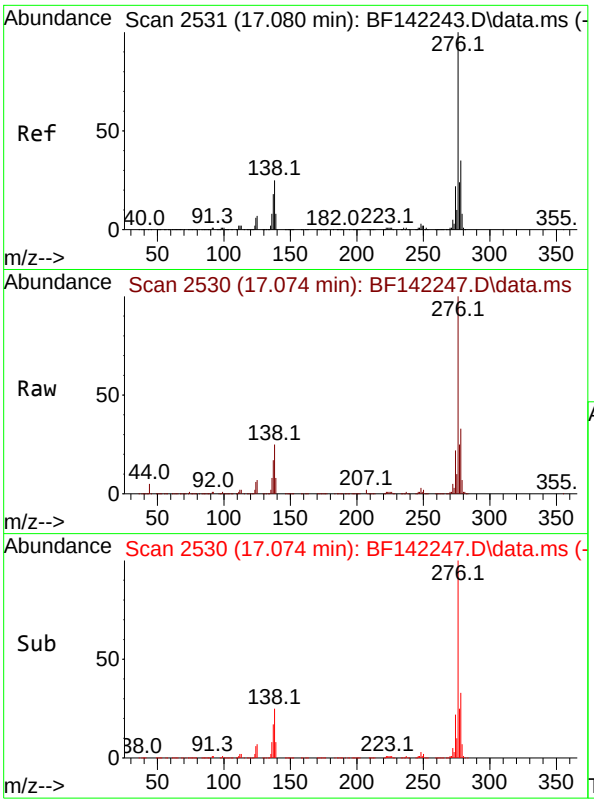


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:264 Resp: 342826

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.4	27.6
265	22.0	17.3	25.9

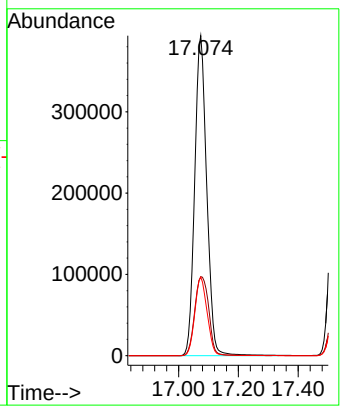




#87
Indeno(1,2,3-cd)pyrene
Concen: 43.757 ng
RT: 17.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:276 Resp: 109877

Ion	Ratio	Lower	Upper
276	100		
138	28.7	22.6	33.8
277	25.1	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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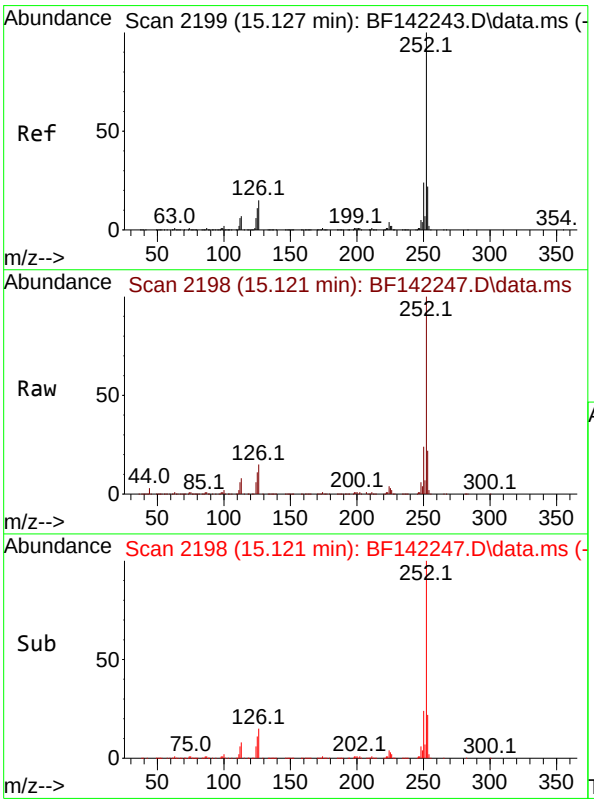
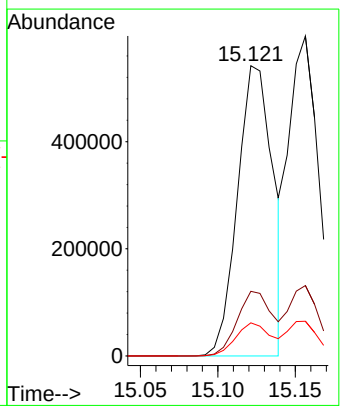
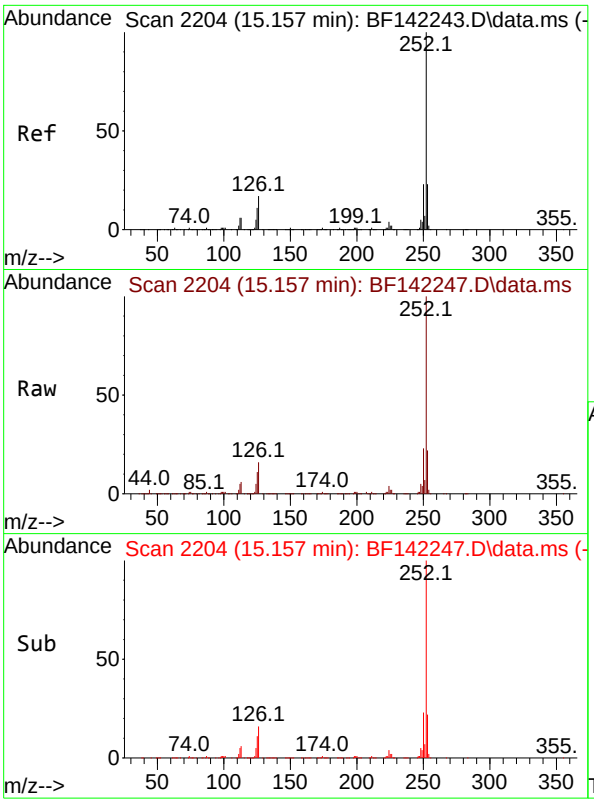


#88
Benzo(b)fluoranthene
Concen: 40.403 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:252 Resp: 860370

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	11.4	9.0	13.4

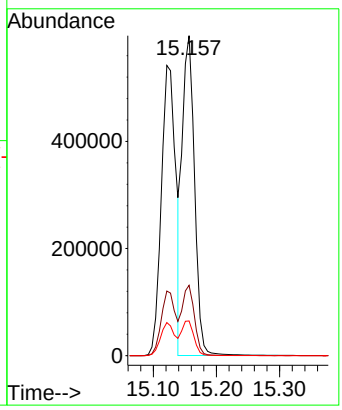




#89
Benzo(k)fluoranthene
Concen: 41.665 ng
RT: 15.157 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:252 Resp: 81154

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	10.9	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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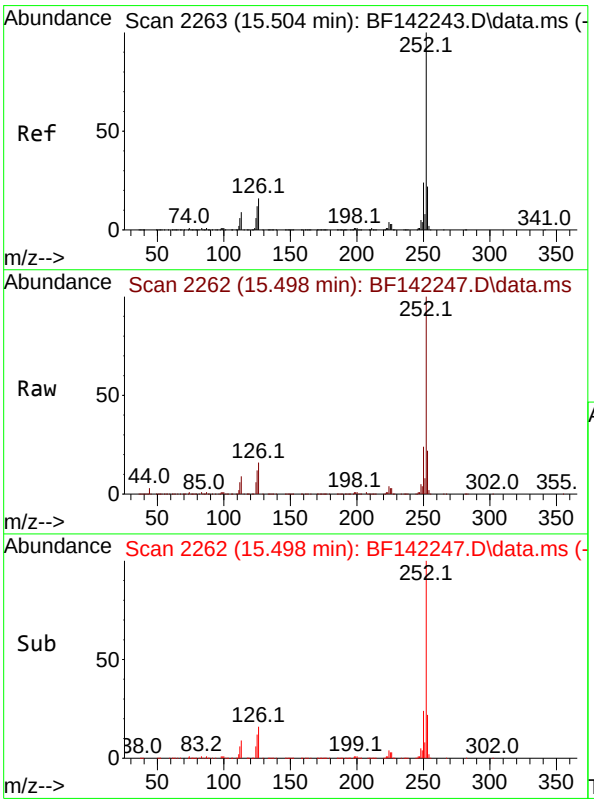
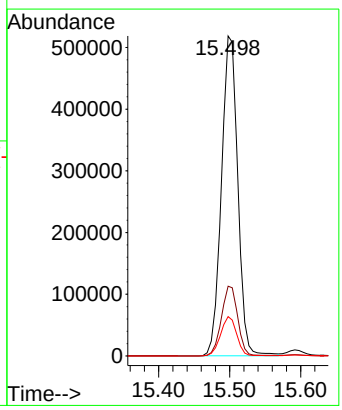
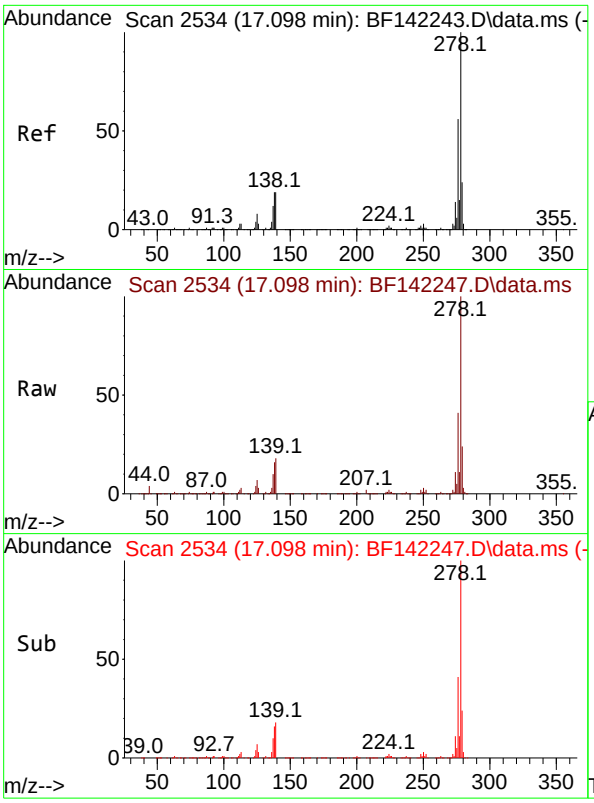


#90
Benzo(a)pyrene
Concen: 42.380 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:252 Resp: 826250

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	12.3	9.5	14.3

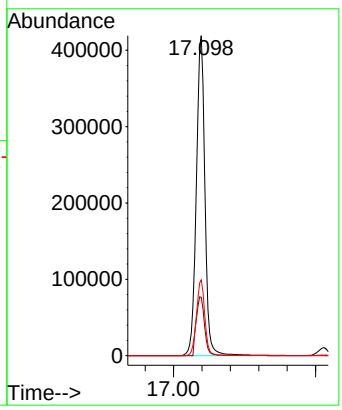




#91
Dibenzo(a,h)anthracene
Concen: 43.565 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:278 Resp: 88785

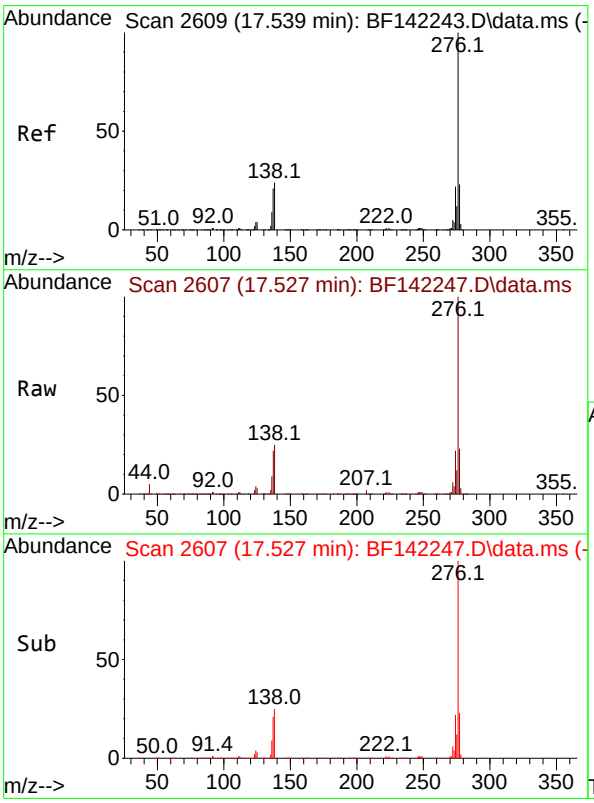
Ion	Ratio	Lower	Upper
278	100		
139	18.2	15.2	22.8
279	23.7	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
ICVBF043025

Manual Integrations APPROVED

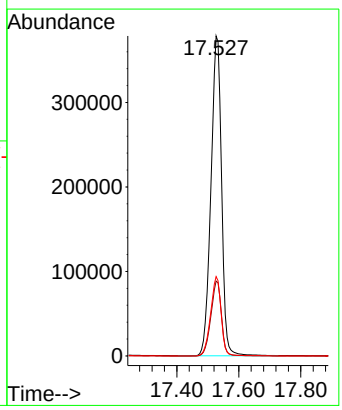
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025



#92
Benzo(g,h,i)perylene
Concen: 43.902 ng
RT: 17.527 min Scan# 2607
Delta R.T. -0.012 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:276 Resp: 899474

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.7	28.1
138	24.8	19.4	29.0



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142247.D
Acq On : 30 Apr 2025 16:17
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

Quant Time: Apr 30 16:36:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 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	0.559	0.593	-6.1	103	0.00
3		Pyridine	1.454	1.543	-6.1	104	0.00
4		n-Nitrosodimethylamine	0.752	0.808	-7.4	103	0.00
5	S	2-Fluorophenol	1.252	1.332	-6.4	104	0.00
6		Aniline	2.140	2.280	-6.5	105	0.00
7	S	Phenol-d6	1.512	1.621	-7.2	105	0.00
8		2-Chlorophenol	1.294	1.430	-10.5	107	0.00
9		Benzaldehyde	1.057	1.134	-7.3	105	0.00
10	C	Phenol	1.628	1.741	-6.9	105	0.00
11		bis(2-Chloroethyl)ether	1.262	1.335	-5.8	104	0.00
12		1,3-Dichlorobenzene	1.464	1.530	-4.5	103	0.00
13	C	1,4-Dichlorobenzene	1.475	1.546	-4.8	103	0.00
14		1,2-Dichlorobenzene	1.408	1.487	-5.6	104	0.00
15		Benzyl Alcohol	1.073	1.163	-8.4	104	0.00
16		2,2'-oxybis(1-Chloropropane	2.278	2.431	-6.7	105	0.00
17		2-Methylphenol	1.060	1.121	-5.8	103	0.00
18		Hexachloroethane	0.483	0.534	-10.6	108	0.00
19	P	n-Nitroso-di-n-propylamine	0.934	0.981	-5.0	104	0.00
20		3+4-Methylphenols	1.326	1.456	-9.8	107	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	103	0.00
22		Acetophenone	0.463	0.479	-3.5	105	0.00
23	S	Nitrobenzene-d5	0.304	0.376	-23.7	114	0.00
24		Nitrobenzene	0.299	0.354	-18.4	111	0.00
25		Isophorone	0.639	0.667	-4.4	104	0.00
26	C	2-Nitrophenol	0.102	0.152	-49.0#	135	0.00
27		2,4-Dimethylphenol	0.322	0.346	-7.5	106	0.00
28		bis(2-Chloroethoxy)methane	0.403	0.421	-4.5	104	0.00
29	C	2,4-Dichlorophenol	0.269	0.296	-10.0	105	0.00
30		1,2,4-Trichlorobenzene	0.301	0.313	-4.0	103	0.00
31		Naphthalene	0.997	1.022	-2.5	103	0.00
32		Benzoic acid	0.125	0.170	-36.0#	134	0.00
33		4-Chloroaniline	0.415	0.429	-3.4	103	0.00
34	C	Hexachlorobutadiene	0.175	0.185	-5.7	103	0.00
35		Caprolactam	0.081	0.090	-11.1	106	0.00
36	C	4-Chloro-3-methylphenol	0.277	0.301	-8.7	105	0.00
37		2-Methylnaphthalene	0.613	0.631	-2.9	104	0.00
38		1-Methylnaphthalene	0.635	0.655	-3.1	103	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	103	0.00
40		1,2,4,5-Tetrachlorobenzene	0.563	0.582	-3.4	104	0.00
41	P	Hexachlorocyclopentadiene	0.319	0.378	-18.5	110	0.00
42	S	2,4,6-Tribromophenol	0.182	0.212	-16.5	107	0.00
43	C	2,4,6-Trichlorophenol	0.349	0.399	-14.3	111	0.00
44		2,4,5-Trichlorophenol	0.367	0.410	-11.7	104	0.00
45	S	2-Fluorobiphenyl	1.418	1.415	0.2	103	0.00
46		1,1'-Biphenyl	1.555	1.591	-2.3	103	0.00
47		2-Chloronaphthalene	1.157	1.186	-2.5	103	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142247.D
Acq On : 30 Apr 2025 16:17
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

Quant Time: Apr 30 16:36:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 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	0.354	-42.2#	123	0.00
49		Acenaphthylene	1.952	2.011	-3.0	103	0.00
50		Dimethylphthalate	1.280	1.345	-5.1	105	0.00
51		2,6-Dinitrotoluene	0.204	0.277	-35.8#	118	0.00
52	C	Acenaphthene	1.140	1.186	-4.0	104	0.00
53		3-Nitroaniline	0.257	0.338	-31.5#	117	0.00
54	P	2,4-Dinitrophenol	0.058	0.082	-41.4#	148	0.00
55		Dibenzofuran	1.709	1.759	-2.9	104	0.00
56	P	4-Nitrophenol	0.201	0.251	-24.9	120	0.00
57		2,4-Dinitrotoluene	0.239	0.348	-45.6#	126	0.00
58		Fluorene	1.299	1.322	-1.8	103	0.00
59		2,3,4,6-Tetrachlorophenol	0.304	0.347	-14.1	107	0.00
60		Diethylphthalate	1.263	1.334	-5.6	104	0.00
61		4-Chlorophenyl-phenylether	0.617	0.627	-1.6	102	0.00
62		4-Nitroaniline	0.238	0.305	-28.2#	115	0.00
63		Azobenzene	1.248	1.291	-3.4	104	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	103	0.00
65		4,6-Dinitro-2-methylphenol	0.054	0.076	-40.7#	142	0.00
66	c	n-Nitrosodiphenylamine	0.683	0.714	-4.5	103	0.00
67		4-Bromophenyl-phenylether	0.223	0.237	-6.3	103	0.00
68		Hexachlorobenzene	0.249	0.261	-4.8	103	0.00
69		Atrazine	0.180	0.201	-11.7	109	0.00
70	C	Pentachlorophenol	0.132	0.156	-18.2	111	0.00
71		Phenanthrene	1.080	1.106	-2.4	102	0.00
72		Anthracene	1.105	1.156	-4.6	105	0.00
73		Carbazole	1.008	1.053	-4.5	105	0.00
74		Di-n-butylphthalate	1.013	1.116	-10.2	107	0.00
75	C	Fluoranthene	1.068	1.113	-4.2	105	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	104	0.00
77		Benzidine	0.850	0.987	-16.1	107	0.00
78		Pyrene	1.845	2.033	-10.2	105	0.00
79	S	Terphenyl-d14	1.375	1.473	-7.1	104	0.00
80		Butylbenzylphthalate	0.425	0.537	-26.4#	111	0.00
81		Benzo(a)anthracene	1.343	1.389	-3.4	101	0.00
82		3,3'-Dichlorobenzidine	0.394	0.449	-14.0	106	0.00
83		Chrysene	1.222	1.288	-5.4	109	0.00
84		Bis(2-ethylhexyl)phthalate	0.604	0.704	-16.6	106	0.00
85	c	Di-n-octyl phthalate	1.133	1.287	-13.6	106	0.00
86	I	Perylene-d12	1.000	1.000	0.0	104	0.00
87		Indeno(1,2,3-cd)pyrene	1.465	1.603	-9.4	104	0.00
88		Benzo(b)fluoranthene	1.242	1.255	-1.0	101	0.00
89		Benzo(k)fluoranthene	1.136	1.184	-4.2	108	0.00
90	C	Benzo(a)pyrene	1.137	1.205	-6.0	105	0.00
91		Dibenzo(a,h)anthracene	1.189	1.295	-8.9	103	0.00
92		Benzo(g,h,i)perylene	1.195	1.312	-9.8	105	-0.01

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142247.D
Acq On : 30 Apr 2025 16:17
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

Quant Time: Apr 30 16:36:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 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_F\Data\BF043025\
Data File : BF142247.D
Acq On : 30 Apr 2025 16:17
Operator : RC/JU
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Instrument :
BNA_F
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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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	42.438	-6.1	103	0.00
3		Pyridine	40.000	42.469	-6.2	104	0.00
4		n-Nitrosodimethylamine	40.000	42.942	-7.4	103	0.00
5	S	2-Fluorophenol	80.000	85.116	-6.4	104	0.00
6		Aniline	40.000	42.598	-6.5	105	0.00
7	S	Phenol-d6	80.000	85.730	-7.2	105	0.00
8		2-Chlorophenol	40.000	44.202	-10.5	107	0.00
9		Benzaldehyde	40.000	42.925	-7.3	105	0.00
10	C	Phenol	40.000	42.765	-6.9	105	0.00
11		bis(2-Chloroethyl)ether	40.000	42.329	-5.8	104	0.00
12		1,3-Dichlorobenzene	40.000	41.819	-4.5	103	0.00
13	C	1,4-Dichlorobenzene	40.000	41.924	-4.8	103	0.00
14		1,2-Dichlorobenzene	40.000	42.247	-5.6	104	0.00
15		Benzyl Alcohol	40.000	43.378	-8.4	104	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	42.684	-6.7	105	0.00
17		2-Methylphenol	40.000	42.288	-5.7	103	0.00
18		Hexachloroethane	40.000	44.255	-10.6	108	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.992	-5.0	104	0.00
20		3+4-Methylphenols	40.000	43.919	-9.8	107	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	103	0.00
22		Acetophenone	40.000	41.441	-3.6	105	0.00
23	S	Nitrobenzene-d5	80.000	98.845	-23.6	114	0.00
24		Nitrobenzene	40.000	47.402	-18.5	111	0.00
25		Isophorone	40.000	41.789	-4.5	104	0.00
26	C	2-Nitrophenol	40.000	48.175	-20.4#	135	0.00
27		2,4-Dimethylphenol	40.000	43.004	-7.5	106	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.780	-4.5	104	0.00
29	C	2,4-Dichlorophenol	40.000	44.013	-10.0	105	0.00
30		1,2,4-Trichlorobenzene	40.000	41.724	-4.3	103	0.00
31		Naphthalene	40.000	41.005	-2.5	103	0.00
32		Benzoic acid	40.000	45.113	-12.8	134	0.00
33		4-Chloroaniline	40.000	41.344	-3.4	103	0.00
34	C	Hexachlorobutadiene	40.000	42.127	-5.3	103	0.00
35		Caprolactam	40.000	44.434	-11.1	106	0.00
36	C	4-Chloro-3-methylphenol	40.000	43.485	-8.7	105	0.00
37		2-Methylnaphthalene	40.000	41.155	-2.9	104	0.00
38		1-Methylnaphthalene	40.000	41.232	-3.1	103	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	103	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.349	-3.4	104	0.00
41	P	Hexachlorocyclopentadiene	40.000	47.321	-18.3	110	0.00
42	S	2,4,6-Tribromophenol	80.000	93.044	-16.3	107	0.00
43	C	2,4,6-Trichlorophenol	40.000	45.713	-14.3	111	0.00
44		2,4,5-Trichlorophenol	40.000	44.676	-11.7	104	0.00
45	S	2-Fluorobiphenyl	80.000	79.807	0.2	103	0.00
46		1,1'-Biphenyl	40.000	40.936	-2.3	103	0.00
47		2-Chloronaphthalene	40.000	41.003	-2.5	103	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142247.D
Acq On : 30 Apr 2025 16:17
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

Quant Time: Apr 30 16:36:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 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	46.523	-16.3	123	0.00
49		Acenaphthylene	40.000	41.211	-3.0	103	0.00
50		Dimethylphthalate	40.000	42.054	-5.1	105	0.00
51		2,6-Dinitrotoluene	40.000	45.376	-13.4	118	0.00
52	C	Acenaphthene	40.000	41.631	-4.1	104	0.00
53		3-Nitroaniline	40.000	45.509	-13.8	117	0.00
54	P	2,4-Dinitrophenol	40.000	49.090	-22.7	148	0.00
55		Dibenzofuran	40.000	41.181	-3.0	104	0.00
56	P	4-Nitrophenol	40.000	49.952	-24.9	120	0.00
57		2,4-Dinitrotoluene	40.000	46.994	-17.5	126	0.00
58		Fluorene	40.000	40.714	-1.8	103	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	45.724	-14.3	107	0.00
60		Diethylphthalate	40.000	42.222	-5.6	104	0.00
61		4-Chlorophenyl-phenylether	40.000	40.626	-1.6	102	0.00
62		4-Nitroaniline	40.000	45.070	-12.7	115	0.00
63		Azobenzene	40.000	41.400	-3.5	104	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	103	0.00
65		4,6-Dinitro-2-methylphenol	40.000	46.598	-16.5	142	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.816	-4.5	103	0.00
67		4-Bromophenyl-phenylether	40.000	42.497	-6.2	103	0.00
68		Hexachlorobenzene	40.000	41.800	-4.5	103	0.00
69		Atrazine	40.000	44.732	-11.8	109	0.00
70	C	Pentachlorophenol	40.000	47.342	-18.4	111	0.00
71		Phenanthrene	40.000	40.955	-2.4	102	0.00
72		Anthracene	40.000	41.854	-4.6	105	0.00
73		Carbazole	40.000	41.793	-4.5	105	0.00
74		Di-n-butylphthalate	40.000	44.051	-10.1	107	0.00
75	C	Fluoranthene	40.000	41.690	-4.2	105	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	104	0.00
77		Benzidine	40.000	46.435	-16.1	107	0.00
78		Pyrene	40.000	44.082	-10.2	105	0.00
79	S	Terphenyl-d14	80.000	85.716	-7.1	104	0.00
80		Butylbenzylphthalate	40.000	42.984	-7.5	111	0.00
81		Benzo(a)anthracene	40.000	41.383	-3.5	101	0.00
82		3,3'-Dichlorobenzidine	40.000	45.495	-13.7	106	0.00
83		Chrysene	40.000	42.158	-5.4	109	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	40.882	-2.2	106	0.00
85	c	Di-n-octyl phthalate	40.000	41.178	-2.9	106	0.00
86	I	Perylene-d12	20.000	20.000	0.0	104	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	43.757	-9.4	104	0.00
88		Benzo(b)fluoranthene	40.000	40.403	-1.0	101	0.00
89		Benzo(k)fluoranthene	40.000	41.665	-4.2	108	0.00
90	C	Benzo(a)pyrene	40.000	42.380	-6.0	105	0.00
91		Dibenzo(a,h)anthracene	40.000	43.565	-8.9	103	0.00
92		Benzo(g,h,i)perylene	40.000	43.902	-9.8	105	-0.01

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142247.D
Acq On : 30 Apr 2025 16:17
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

Quant Time: Apr 30 16:36:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 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

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.: Q1901 SAS No.: Q1901 SDG No.: Q1901

Instrument ID: BNA_M Calibration Date(s): 04/28/2025 04/28/2025

Calibration Time(s): 12:30 17:04

LAB FILE ID: RRF2.5 = BM050024.D RRF005 = BM050025.D RRF010 = BM050026.D
RRF020 = BM050027.D RRF040 = BM050028.D RRF050 = BM050029.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.074	1.079	1.107	1.208	1.211	1.142	5.0
Benzaldehyde		0.940	0.920	0.971	1.031	1.013	0.961	5.1
Phenol-d6		1.290	1.318	1.398	1.543	1.537	1.436	7.1
Phenol		1.349	1.344	1.420	1.539	1.537	1.453	5.7
bis(2-Chloroethyl)ether		1.213	1.105	1.176	1.279	1.271	1.214	4.9
2-Chlorophenol		1.169	1.161	1.198	1.312	1.301	1.235	5.0
2-Methylphenol		0.857	0.893	0.931	1.033	1.026	0.957	7.0
2,2-oxybis(1-Chloropropane)		1.487	1.422	1.445	1.552	1.513	1.475	3.2
Acetophenone		0.483	0.464	0.485	0.531	0.525	0.497	4.9
3+4-Methylphenols		1.137	1.170	1.267	1.393	1.392	1.293	8.1
n-Nitroso-di-n-propylamine	0.802	0.889	0.885	0.921	1.003	0.988	0.921	7.0
Nitrobenzene-d5		0.386	0.374	0.397	0.434	0.433	0.406	5.7
Hexachloroethane		0.552	0.508	0.521	0.556	0.548	0.533	3.8
Nitrobenzene		0.337	0.325	0.345	0.374	0.372	0.351	5.2
Isophorone		0.666	0.648	0.680	0.729	0.729	0.692	4.4
2-Nitrophenol		0.148	0.157	0.172	0.196	0.198	0.179	11.3
2,4-Dimethylphenol		0.263	0.266	0.289	0.324	0.322	0.297	8.4
bis(2-Chloroethoxy)methane		0.407	0.399	0.422	0.455	0.452	0.428	4.9
2,4-Dichlorophenol		0.294	0.298	0.326	0.362	0.359	0.333	8.5
Naphthalene		1.001	0.959	0.993	1.066	1.057	1.013	3.8
4-Chloroaniline		0.361	0.393	0.404	0.441	0.448	0.415	7.5
Hexachlorobutadiene		0.253	0.240	0.249	0.270	0.270	0.258	4.3
Caprolactam		0.090	0.085	0.095	0.104	0.104	0.097	7.7
4-Chloro-3-methylphenol		0.289	0.283	0.302	0.325	0.329	0.308	5.7
2-Methylnaphthalene		0.656	0.639	0.662	0.713	0.714	0.679	4.2
Hexachlorocyclopentadiene			0.303	0.362	0.455	0.468	0.423	17.3
2,4,6-Trichlorophenol		0.372	0.381	0.423	0.476	0.485	0.439	10.8
2-Fluorobiphenyl		1.588	1.555	1.632	1.807	1.822	1.691	6.2
2,4,5-Trichlorophenol		0.410	0.417	0.453	0.517	0.519	0.474	9.8
1,1-Biphenyl		1.427	1.395	1.452	1.573	1.581	1.487	4.8
2-Chloronaphthalene		1.126	1.112	1.155	1.250	1.248	1.177	4.7
2-Nitroaniline		0.238	0.242	0.269	0.302	0.304	0.276	10.0
Dimethylphthalate		1.444	1.377	1.437	1.532	1.543	1.462	4.0
Acenaphthylene		1.794	1.715	1.810	1.972	1.971	1.857	5.1

All other compounds must meet a minimum RRF of 0.010.

Raw Data

Alliance TECHNICAL GROUP

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG No.: Q1901

Instrument ID: BNA_M Calibration Date(s): 04/28/2025 04/28/2025

Calibration Time(s): 12:30 17:04

LAB FILE ID: RRF2.5 = BM050024.D RRF005 = BM050025.D RRF010 = BM050026.D
RRF020 = BM050027.D RRF040 = BM050028.D RRF050 = BM050029.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.266	0.271	0.299	0.327	0.331	0.303	8.5
3-Nitroaniline		0.233	0.247	0.284	0.321	0.325	0.289	12.5
Acenaphthene		1.038	0.998	1.046	1.133	1.145	1.075	4.9
2,4-Dinitrophenol			0.100	0.132	0.178	0.194	0.164	23.6
4-Nitrophenol			0.128	0.180	0.224	0.237	0.205	21.0
Dibenzofuran		1.749	1.681	1.749	1.876	1.888	1.788	4.2
2,4-Dinitrotoluene		0.338	0.366	0.412	0.456	0.468	0.418	11.7
Diethylphthalate		1.372	1.301	1.380	1.433	1.451	1.377	3.9
4-Chlorophenyl-phenylether		0.741	0.716	0.770	0.857	0.871	0.804	7.6
Fluorene		1.387	1.343	1.431	1.558	1.573	1.463	5.8
4-Nitroaniline		0.208	0.234	0.277	0.313	0.321	0.279	15.2
4,6-Dinitro-2-methylphenol			0.088	0.110	0.135	0.142	0.125	17.2
n-Nitrosodiphenylamine		0.580	0.572	0.596	0.655	0.657	0.614	5.6
2,4,6-Tribromophenol		0.253	0.249	0.281	0.318	0.329	0.296	11.6
4-Bromophenyl-phenylether		0.223	0.216	0.229	0.258	0.258	0.242	7.6
Hexachlorobenzene		0.265	0.251	0.264	0.294	0.295	0.279	6.5
Atrazine		0.196	0.198	0.214	0.236	0.242	0.222	8.5
Pentachlorophenol			0.117	0.141	0.167	0.172	0.157	14.5
Phenanthrene		1.075	1.035	1.083	1.187	1.212	1.128	5.8
Anthracene		1.062	1.038	1.096	1.214	1.236	1.142	6.8
Carbazole		0.909	0.900	0.960	1.054	1.075	0.991	7.1
Di-n-butylphthalate		1.106	1.082	1.151	1.246	1.277	1.180	6.2
Fluoranthene		1.178	1.142	1.250	1.410	1.455	1.324	9.9
Pyrene		1.290	1.255	1.332	1.518	1.520	1.404	7.8
Terphenyl-d14		1.176	1.189	1.332	1.524	1.541	1.352	11.6
Butylbenzylphthalate		0.489	0.479	0.515	0.562	0.568	0.526	6.5
3,3-Dichlorobenzidine		0.434	0.432	0.483	0.580	0.597	0.527	14.1
Benzo(a)anthracene		1.280	1.231	1.321	1.478	1.479	1.377	7.2
Chrysene		1.208	1.170	1.214	1.342	1.369	1.275	6.0
Bis(2-ethylhexyl)phthalate		0.726	0.725	0.775	0.843	0.852	0.786	6.6
Di-n-octyl phthalate		1.221	1.197	1.267	1.366	1.404	1.296	5.9
Benzo(b)fluoranthene		1.128	1.149	1.209	1.406	1.415	1.301	10.2
Benzo(k)fluoranthene		1.219	1.150	1.251	1.387	1.449	1.316	8.3
Benzo(a)pyrene		1.094	1.066	1.147	1.295	1.330	1.218	9.2
Indeno(1,2,3-cd)pyrene		1.301	1.293	1.404	1.602	1.646	1.490	10.3

All other compounds must meet a minimum RRF of 0.010.

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG No.: Q1901

Instrument ID: BNA_M Calibration Date(s): 04/28/2025 04/28/2025

Calibration Time(s): 12:30 17:04

LAB FILE ID: RRF2.5 = BM050024.D RRF005 = BM050025.D RRF010 = BM050026.D
RRF020 = BM050027.D RRF040 = BM050028.D RRF050 = BM050029.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo(a,h)anthracene		1.056	1.044	1.142	1.300	1.347	1.215	10.7
Benzo(g,h,i)perylene		1.066	1.030	1.105	1.236	1.268	1.163	8.1
1,2,4,5-Tetrachlorobenzene		0.624	0.622	0.655	0.742	0.745	0.692	8.2
1,4-Dioxane		0.506	0.464	0.478	0.511	0.504	0.490	3.8
2,3,4,6-Tetrachlorophenol		0.366	0.362	0.398	0.435	0.445	0.410	8.4

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Apr 28 18:09:16 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BM050024.D 5 =BM050025.D 10 =BM050026.D 20 =BM050027.D 40 =BM050028.D 50 =BM050029.D 60 =BM050030.D 80 =BM0500
31.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.506	0.464	0.478	0.511	0.504	0.491	0.473	0.490	3.75
3)		Pyridine		1.201	1.166	1.229	1.331	1.328	1.292	1.261	1.258	5.03
4)		n-Nitrosodimet...		0.487	0.459	0.475	0.522	0.518	0.504	0.490	0.493	4.62
5)	S	2-Fluorophenol		1.074	1.079	1.107	1.208	1.211	1.173	1.142	1.142	5.04
6)		Aniline		1.657	1.689	1.768	1.942	1.922	1.875	1.835	1.813	6.16
7)	S	Phenol-d6		1.290	1.318	1.398	1.543	1.537	1.494	1.469	1.436	7.13
8)		2-Chlorophenol		1.169	1.161	1.198	1.312	1.301	1.268	1.235	1.235	4.96
9)		Benzaldehyde		0.940	0.920	0.971	1.031	1.013	0.956	0.894	0.961	5.08
10)	C	Phenol		1.349	1.344	1.420	1.539	1.537	1.501	1.483	1.453	5.73
11)		bis(2-Chloroet...		1.213	1.105	1.176	1.279	1.271	1.233	1.218	1.213	4.90
12)		1,3-Dichlorobe...		1.483	1.428	1.453	1.566	1.552	1.508	1.453	1.492	3.51
13)	C	1,4-Dichlorobe...		1.518	1.418	1.463	1.561	1.557	1.516	1.458	1.499	3.60
14)		1,2-Dichlorobe...		1.420	1.393	1.423	1.522	1.506	1.464	1.405	1.448	3.50
15)		Benzyl Alcohol		0.866	0.881	0.966	1.080	1.074	1.050	1.050	0.996	9.16
16)		2,2'-oxybis(1-...		1.487	1.422	1.445	1.552	1.513	1.473	1.433	1.475	3.17
17)		2-Methylphenol		0.857	0.893	0.931	1.033	1.026	0.988	0.975	0.957	6.96
18)		Hexachloroethane		0.552	0.508	0.521	0.556	0.548	0.533	0.510	0.533	3.79
19)	P	n-Nitroso-di-n...	0.802	0.889	0.885	0.921	1.003	0.988	0.949	0.928	0.921	6.95
20)		3+4-Methylphenols		1.137	1.170	1.267	1.393	1.392	1.349	1.341	1.293	8.09
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.483	0.464	0.485	0.531	0.525	0.506	0.487	0.497	4.94
23)	S	Nitrobenzene-d5		0.386	0.374	0.397	0.434	0.433	0.417	0.400	0.406	5.68
24)		Nitrobenzene		0.337	0.325	0.345	0.374	0.372	0.358	0.346	0.351	5.16
25)		Isophorone		0.666	0.648	0.680	0.729	0.729	0.704	0.687	0.692	4.44
26)	C	2-Nitrophenol		0.148	0.157	0.172	0.196	0.198	0.192	0.191	0.179	11.33
27)		2,4-Dimethylph...		0.263	0.266	0.289	0.324	0.322	0.312	0.305	0.297	8.42
28)		bis(2-Chloroet...		0.407	0.399	0.422	0.455	0.452	0.434	0.425	0.428	4.92
29)	C	2,4-Dichloroph...		0.294	0.298	0.326	0.362	0.359	0.351	0.342	0.333	8.47
30)		1,2,4-Trichlor...		0.400	0.384	0.394	0.427	0.426	0.412	0.399	0.406	4.02
31)		Naphthalene		1.001	0.959	0.993	1.066	1.057	1.023	0.989	1.013	3.80
32)		Benzoic acid			0.138	0.172	0.197	0.206	0.212	0.215	0.190	15.67
33)		4-Chloroaniline		0.361	0.393	0.404	0.441	0.448	0.437	0.423	0.415	7.51
34)	C	Hexachlorobuta...		0.253	0.240	0.249	0.270	0.270	0.263	0.258	0.258	4.34
35)		Caprolactam		0.090	0.085	0.095	0.104	0.104	0.102	0.100	0.097	7.73
36)	C	4-Chloro-3-met...		0.289	0.283	0.302	0.325	0.329	0.317	0.309	0.308	5.72
37)		2-Methylnaphth...		0.656	0.639	0.662	0.713	0.714	0.692	0.678	0.679	4.22
38)		1-Methylnaphth...		0.703	0.675	0.708	0.753	0.751	0.731	0.710	0.719	3.92

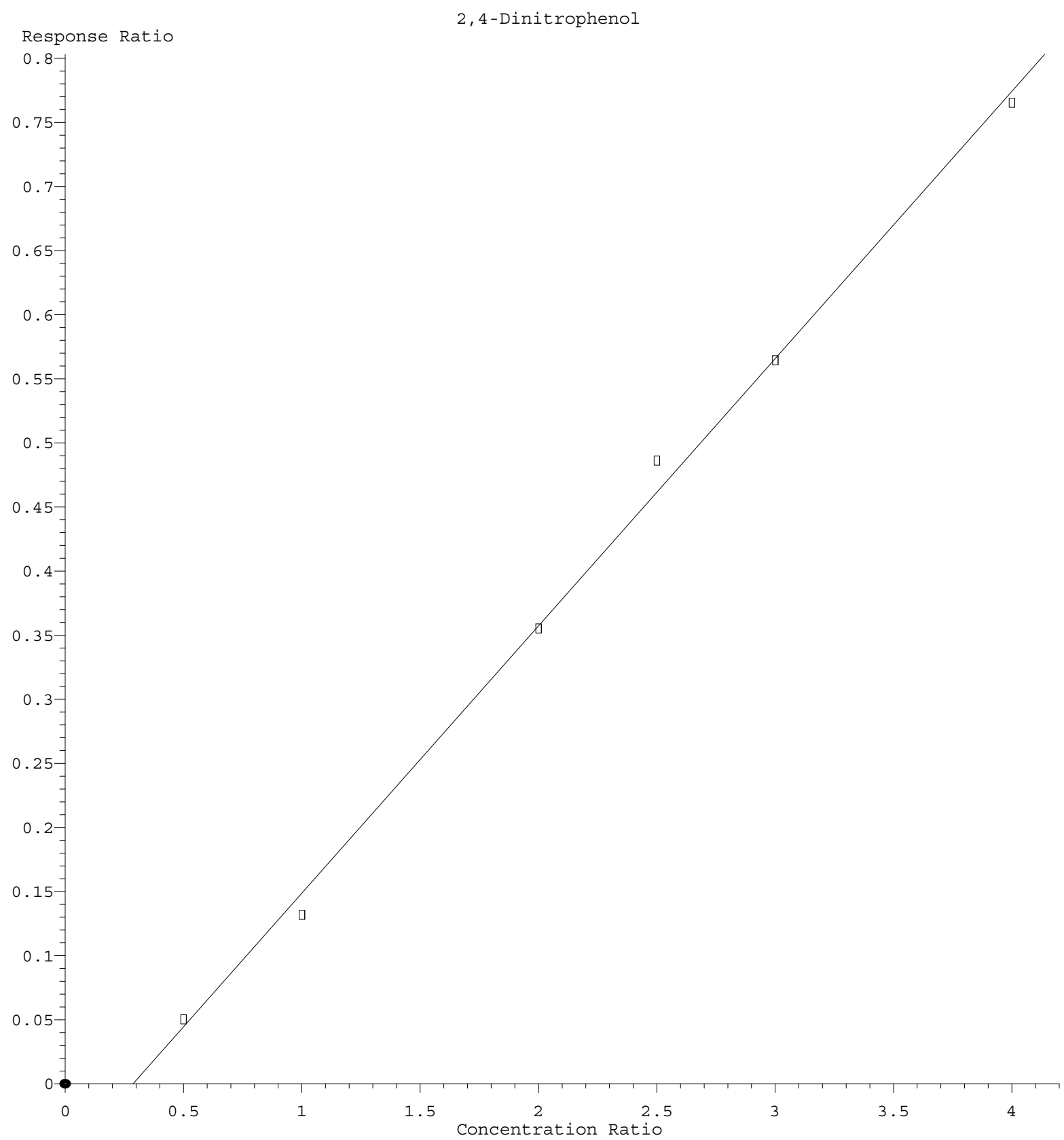
Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM042825.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.624	0.622	0.655	0.742	0.745	0.725	0.733	0.692	8.17
41)	P	Hexachlorocycl...		0.303	0.362	0.455	0.468	0.467	0.483	0.423	17.30
42)	S	2,4,6-Tribromo...	0.253	0.249	0.281	0.318	0.329	0.318	0.323	0.296	11.61
43)	C	2,4,6-Trichlor...	0.372	0.381	0.423	0.476	0.485	0.467	0.469	0.439	10.76
44)		2,4,5-Trichlor...	0.410	0.417	0.453	0.517	0.519	0.501	0.497	0.474	9.83
45)	S	2-Fluorobiphenyl	1.588	1.555	1.632	1.807	1.822	1.744	1.688	1.691	6.21
46)		1,1'-Biphenyl	1.427	1.395	1.452	1.573	1.581	1.507	1.473	1.487	4.77
47)		2-Chloronaphth...	1.126	1.112	1.155	1.250	1.248	1.192	1.158	1.177	4.69
48)		2-Nitroaniline	0.238	0.242	0.269	0.302	0.304	0.294	0.286	0.276	9.96
49)		Acenaphthylene	1.794	1.715	1.810	1.972	1.971	1.889	1.845	1.857	5.10
50)		Dimethylphthalate	1.444	1.377	1.437	1.532	1.543	1.470	1.429	1.462	4.02
51)		2,6-Dinitrotol...	0.266	0.271	0.299	0.327	0.331	0.316	0.309	0.303	8.50
52)	C	Acenaphthene	1.038	0.998	1.046	1.133	1.145	1.094	1.067	1.075	4.93
53)		3-Nitroaniline	0.233	0.247	0.284	0.321	0.325	0.311	0.302	0.289	12.47
54)	P	2,4-Dinitrophenol		0.100	0.132	0.178	0.194	0.188	0.191	0.164	23.65
55)		Dibenzofuran	1.749	1.681	1.749	1.876	1.888	1.810	1.763	1.788	4.17
56)	P	4-Nitrophenol		0.128	0.180	0.224	0.237	0.231	0.231	0.205	20.96
57)		2,4-Dinitrotol...	0.338	0.366	0.412	0.456	0.468	0.447	0.440	0.418	11.72
58)		Fluorene	1.387	1.343	1.431	1.558	1.573	1.500	1.453	1.463	5.84
59)		2,3,4,6-Tetrac...	0.366	0.362	0.398	0.435	0.445	0.432	0.431	0.410	8.44
60)		Diethylphthalate	1.372	1.301	1.380	1.433	1.451	1.376	1.328	1.377	3.86
61)		4-Chlorophenyl...	0.741	0.716	0.770	0.857	0.871	0.836	0.836	0.804	7.58
62)		4-Nitroaniline	0.208	0.234	0.277	0.313	0.321	0.301	0.295	0.279	15.17
63)		Azobenzene	1.118	1.091	1.150	1.216	1.229	1.165	1.110	1.154	4.59
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.088	0.110	0.135	0.142	0.138	0.137	0.125	17.16
66)	c	n-Nitrosodiphe...	0.580	0.572	0.596	0.655	0.657	0.629	0.610	0.614	5.56
67)		4-Bromophenyl-...	0.223	0.216	0.229	0.258	0.258	0.256	0.253	0.242	7.60
68)		Hexachlorobenzene	0.265	0.251	0.264	0.294	0.295	0.291	0.291	0.279	6.49
69)		Atrazine	0.196	0.198	0.214	0.236	0.242	0.234	0.230	0.222	8.47
70)	C	Pentachlorophenol		0.117	0.141	0.167	0.172	0.170	0.174	0.157	14.52
71)		Phenanthrene	1.075	1.035	1.083	1.187	1.212	1.173	1.132	1.128	5.84
72)		Anthracene	1.062	1.038	1.096	1.214	1.236	1.191	1.154	1.142	6.78
73)		Carbazole	0.909	0.900	0.960	1.054	1.075	1.038	0.999	0.991	7.05
74)		Di-n-butylphth...	1.106	1.082	1.151	1.246	1.277	1.231	1.165	1.180	6.25
75)	C	Fluoranthene	1.178	1.142	1.250	1.410	1.455	1.425	1.411	1.324	9.86
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.560	0.646	0.772	0.769	0.765	0.751	0.710	12.36
78)		Pyrene	1.290	1.255	1.332	1.518	1.520	1.465	1.453	1.404	7.83
79)	S	Terphenyl-d14	1.176	1.189	1.332	1.524	1.541	1.458	1.239	1.352	11.58
80)		Butylbenzylpht...	0.489	0.479	0.515	0.562	0.568	0.545	0.524	0.526	6.53
81)		Benzo(a)anthra...	1.280	1.231	1.321	1.478	1.479	1.442	1.408	1.377	7.24
82)		3,3'-Dichlorob...	0.434	0.432	0.483	0.580	0.597	0.583	0.581	0.527	14.14
83)		Chrysene	1.208	1.170	1.214	1.342	1.369	1.325	1.296	1.275	6.03
84)		Bis(2-ethylhex...	0.726	0.725	0.775	0.843	0.852	0.814	0.765	0.786	6.61
85)	c	Di-n-octyl pht...	1.221	1.197	1.267	1.366	1.404	1.341	1.275	1.296	5.92

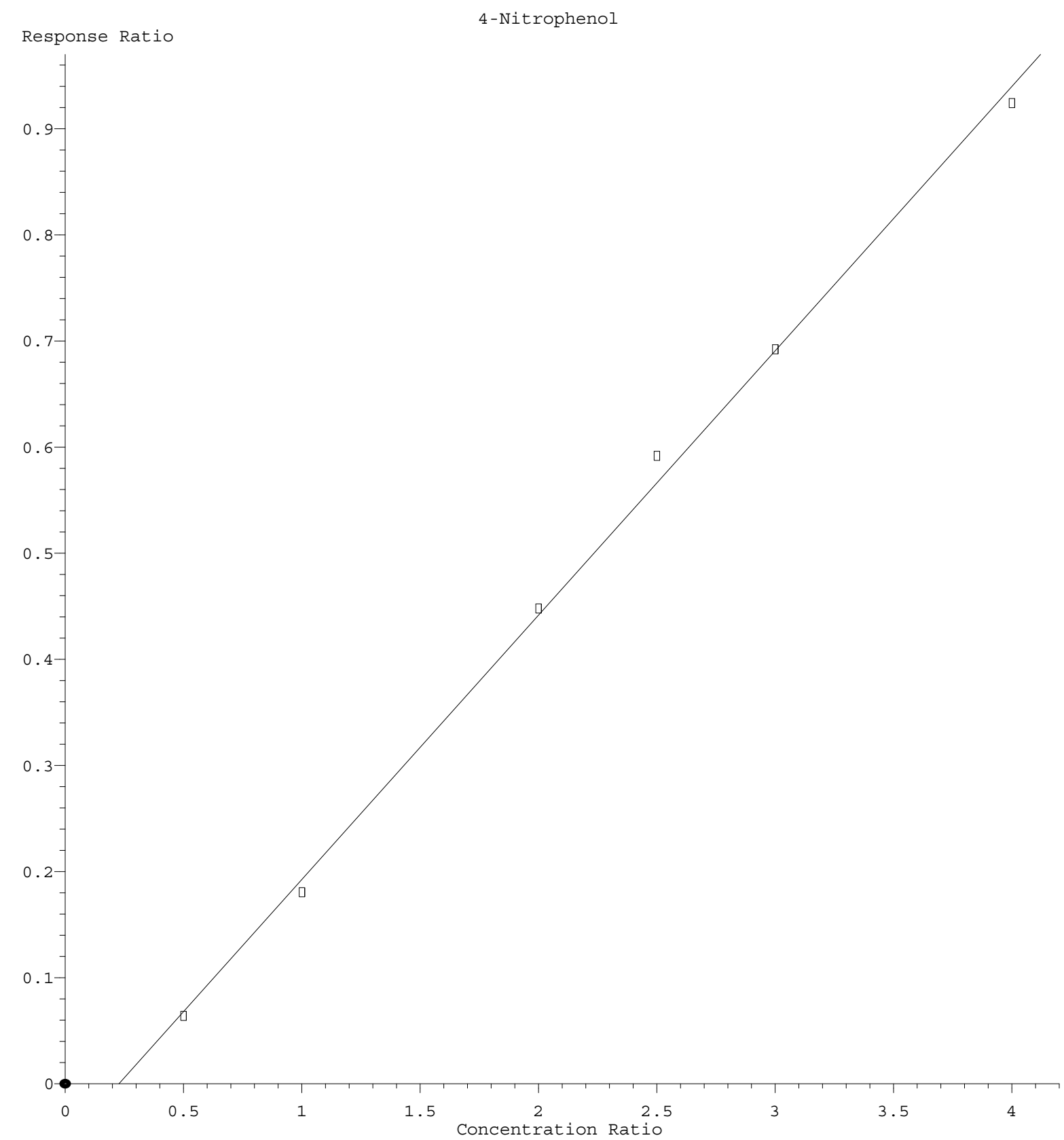
Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM042825.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.301	1.293	1.404	1.602	1.646	1.591	1.595	1.490	10.27
88)		Benzo(b)fluora...	1.128	1.149	1.209	1.406	1.415	1.408	1.390	1.301	10.16
89)		Benzo(k)fluora...	1.219	1.150	1.251	1.387	1.449	1.383	1.372	1.316	8.29
90)	C	Benzo(a)pyrene	1.094	1.066	1.147	1.295	1.330	1.298	1.297	1.218	9.15
91)		Dibenzo(a,h)an...	1.056	1.044	1.142	1.300	1.347	1.305	1.310	1.215	10.72
92)		Benzo(g,h,i)pe...	1.066	1.030	1.105	1.236	1.268	1.224	1.212	1.163	8.07

(#) = Out of Range



Response = 2.086e-001 * Amt - 5.991e-002
Coef of Det (r^2) = 0.997215 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM042825.M
Calibration Table Last Updated: Mon Apr 28 18:09:16 2025



Response = 2.492e-001 * Amt - 5.648e-002
Coef of Det (r^2) = 0.997878 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM042825.M
Calibration Table Last Updated: Mon Apr 28 18:09:16 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050024.D
Acq On : 28 Apr 2025 12:30
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 28 17:52:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	241974	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	868675	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	604723	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1218544	20.000	ng	0.00
76) Chrysene-d12	21.404	240	1187007	20.000	ng	0.00
86) Perylene-d12	24.409	264	1217038	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...	8.581	70	24247	2.177	ng	96

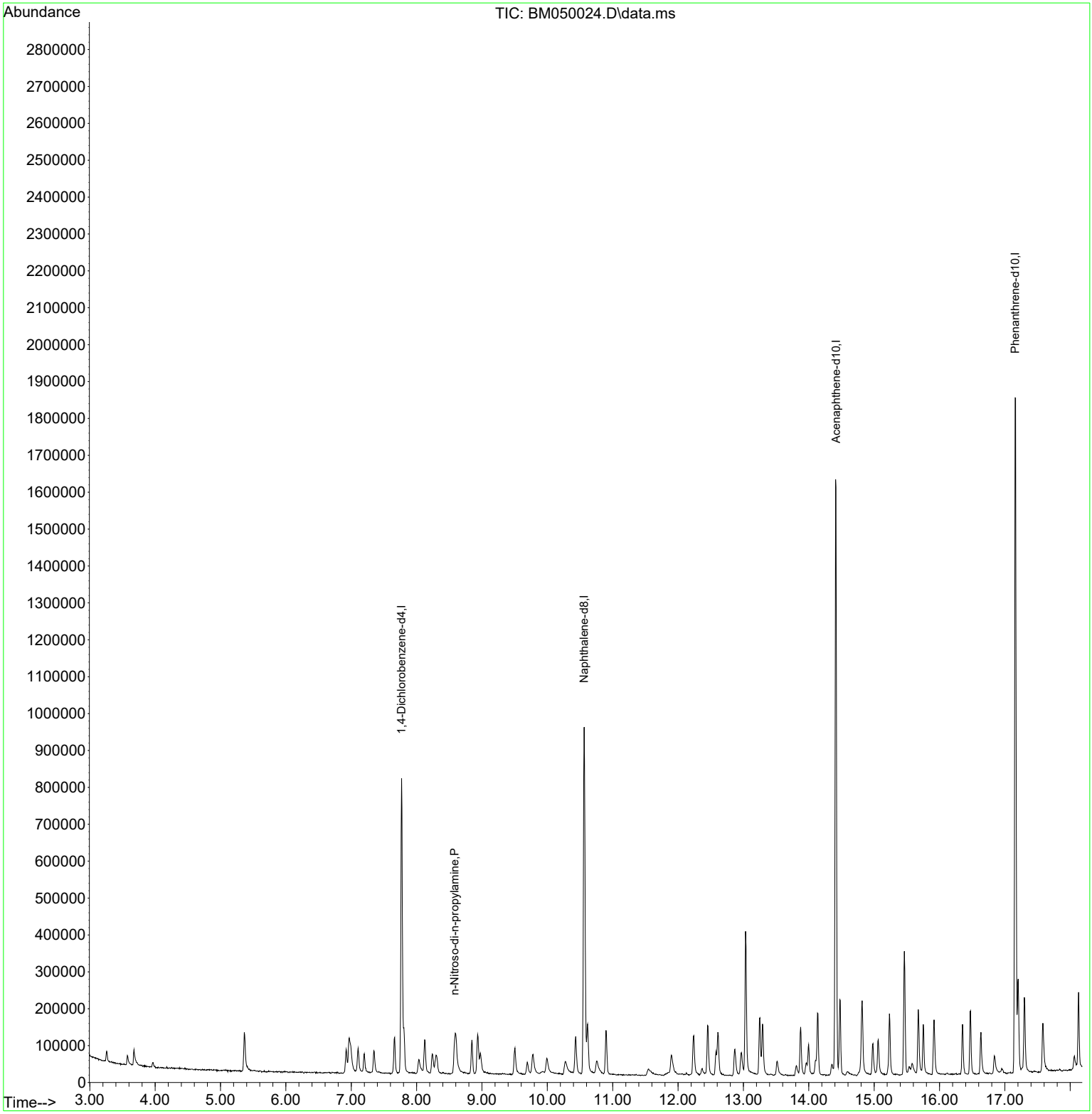
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050024.D
Acq On : 28 Apr 2025 12:30
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 28 17:52:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

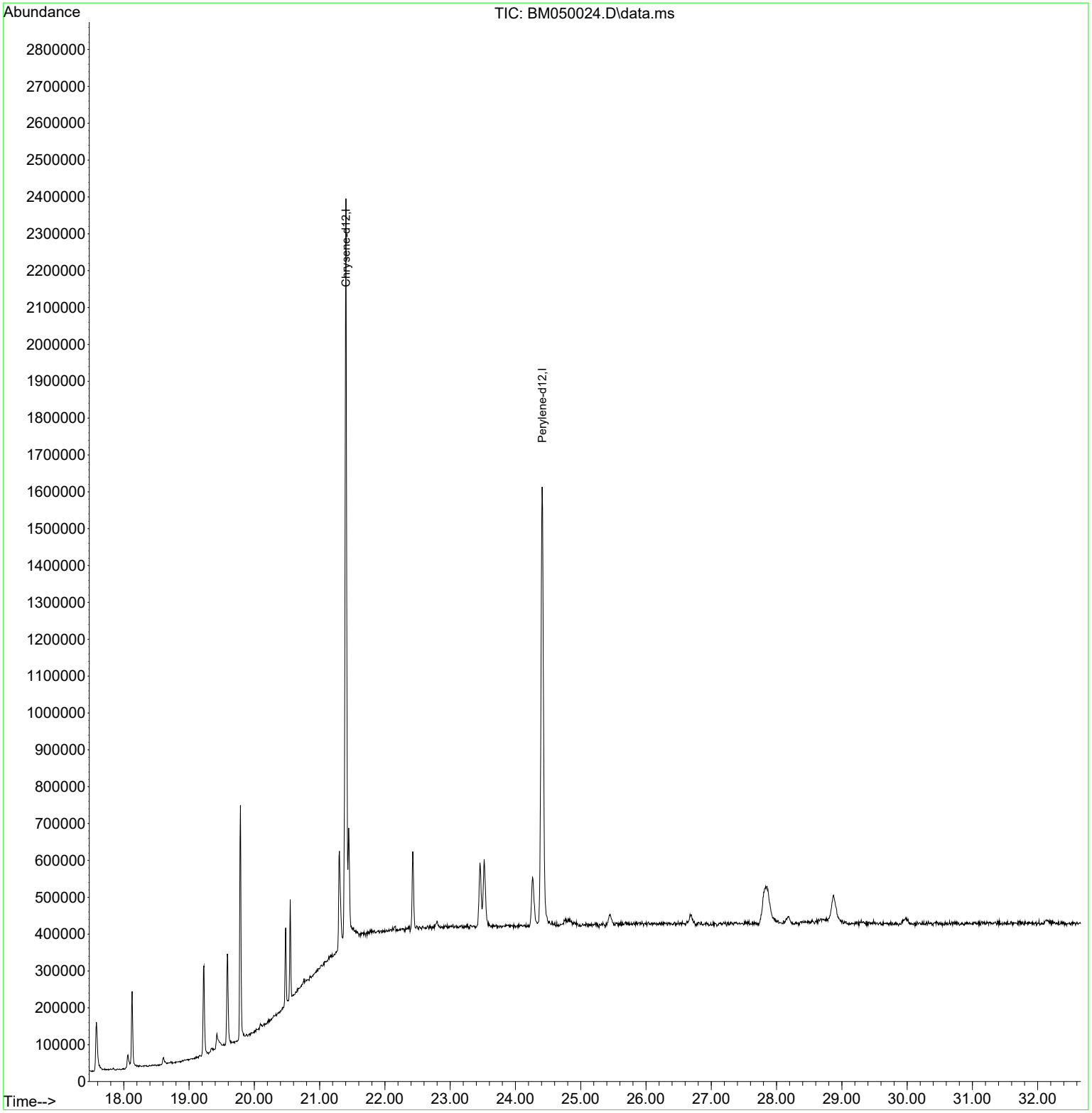


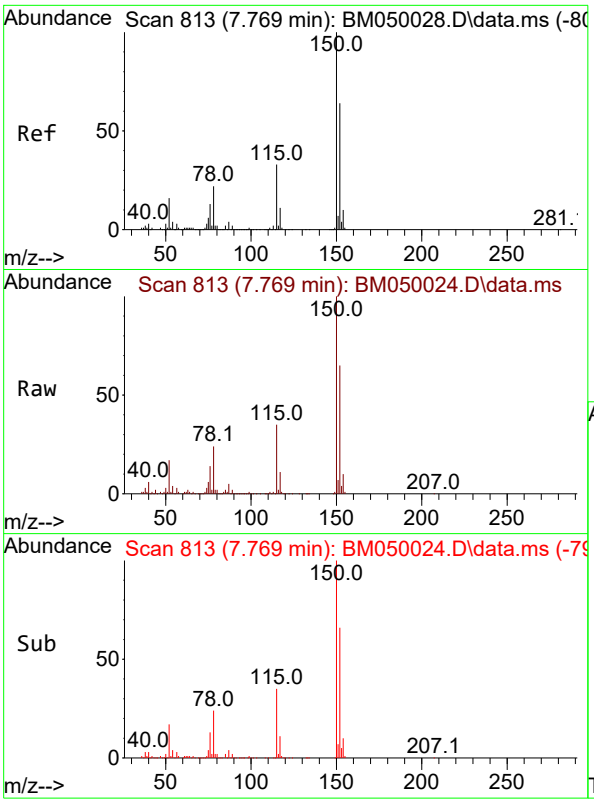
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050024.D
Acq On : 28 Apr 2025 12:30
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 28 17:52:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



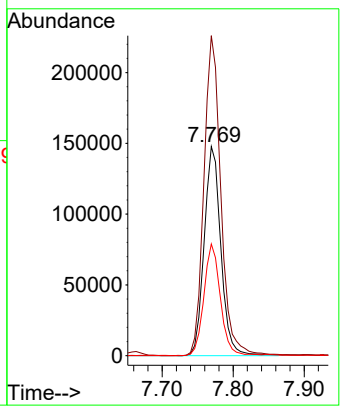


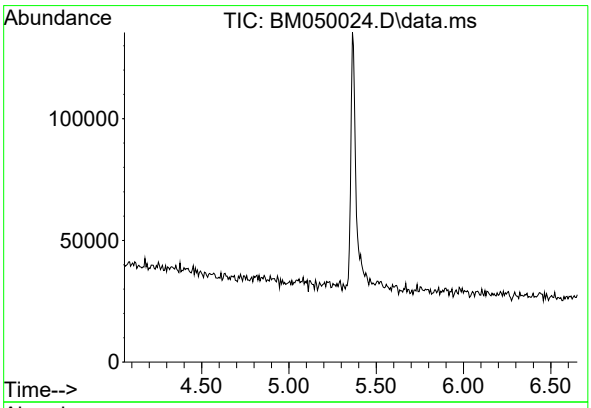
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 241974

Ion	Ratio	Lower	Upper
152	100		
150	153.0	124.1	186.1
115	53.4	41.2	61.8



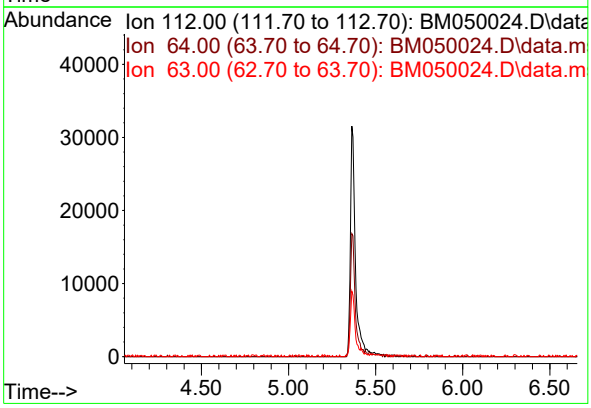


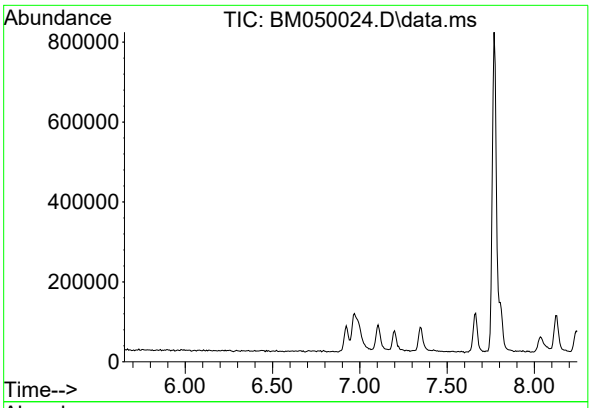
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.36 min

Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	53.3
63	27.8





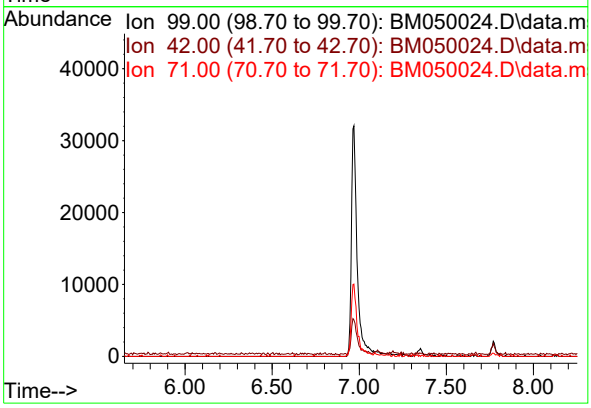
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.95 min

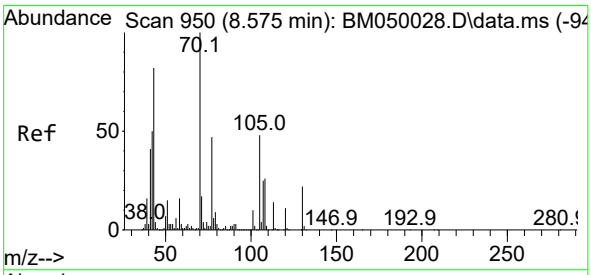
Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

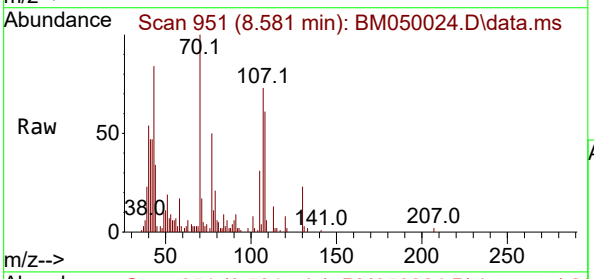
Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

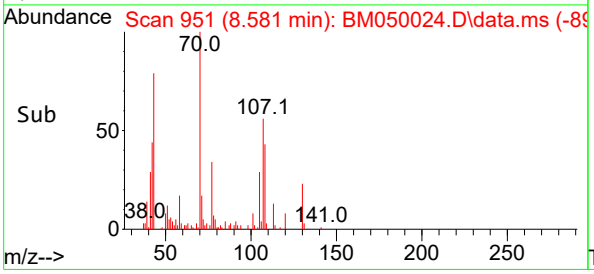
Tgt Ion: 99

Sig	Exp Ratio
99	100
42	16.2
71	32.0





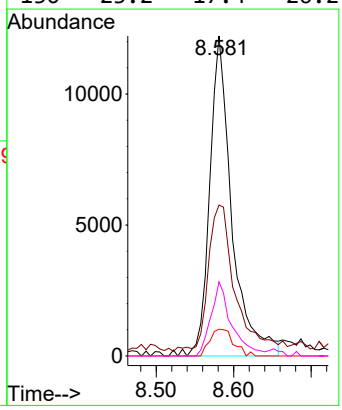


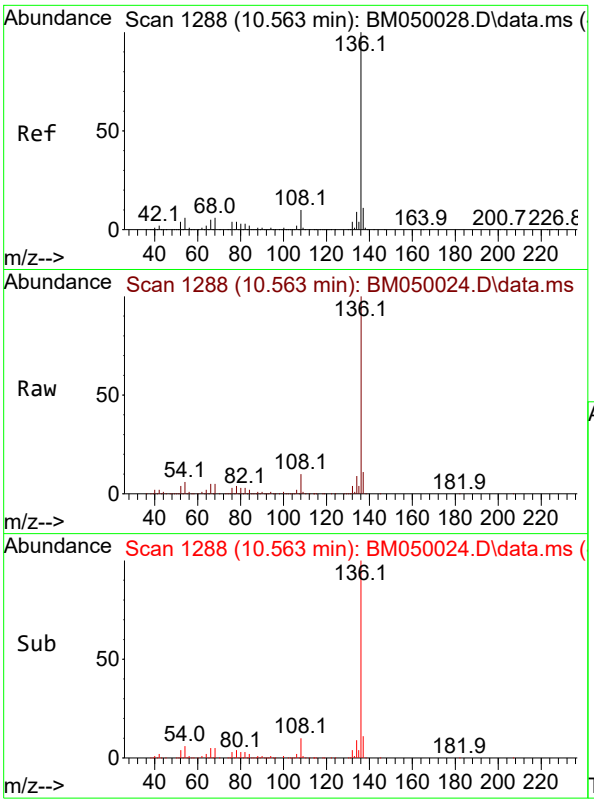


#19
n-Nitroso-di-n-propylamine
Concen: 2.177 ng
RT: 8.581 min Scan# 951
Delta R.T. 0.006 min
Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

Tgt Ion: 70 Resp: 24247

Ion	Ratio	Lower	Upper
70	100		
42	47.1	40.5	60.7
101	8.4	7.8	11.6
130	23.2	17.4	26.2



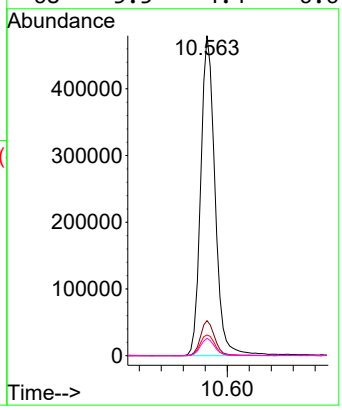


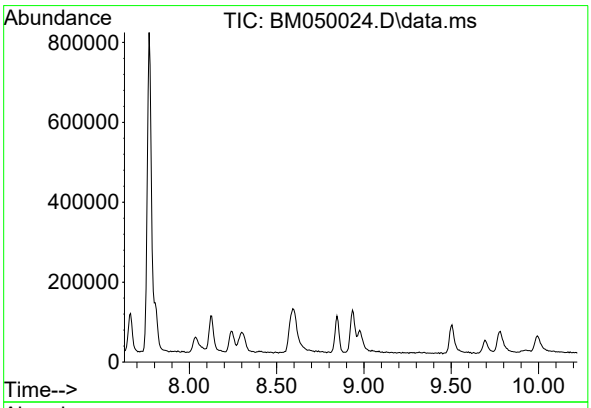
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 868675

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.4	5.1	7.7
68	5.5	4.4	6.6



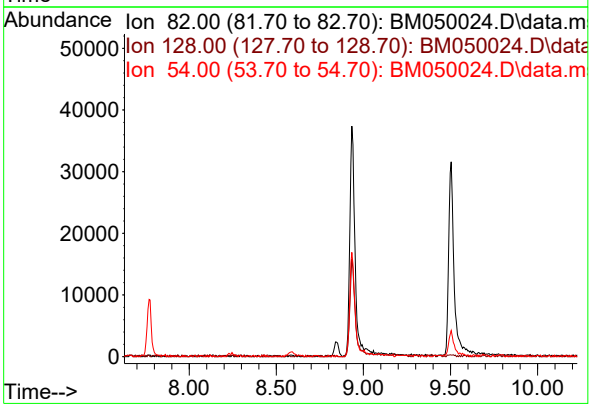


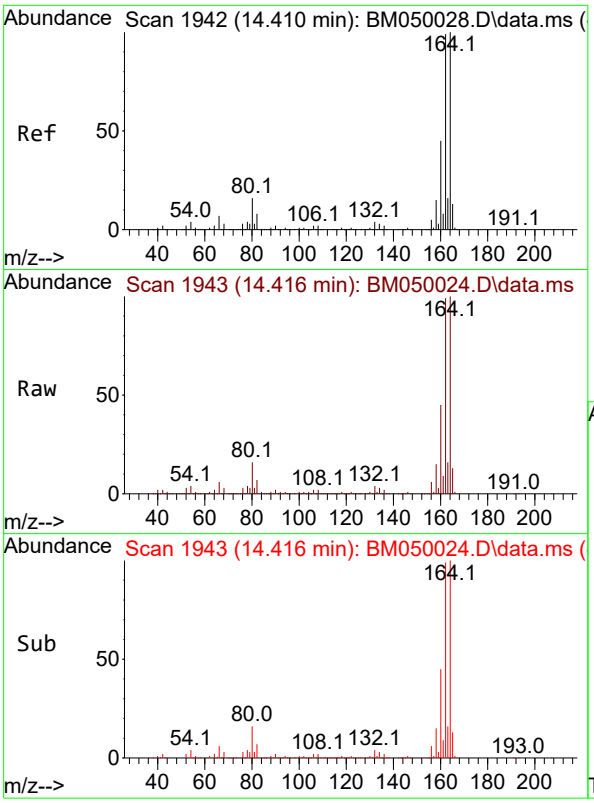
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.93 min

Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	44.6
54	44.3



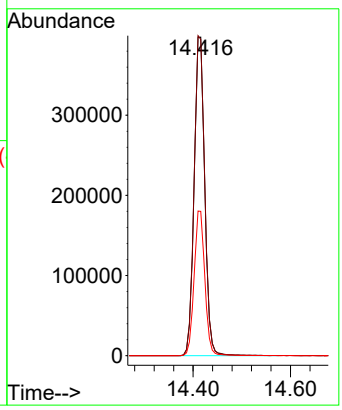


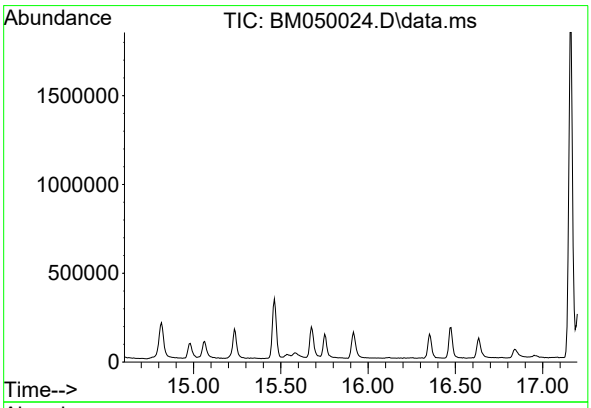
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 604723

Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.4	119.0
160	45.3	36.2	54.4



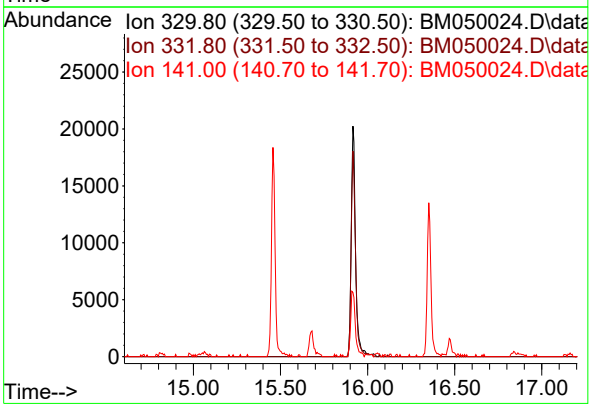


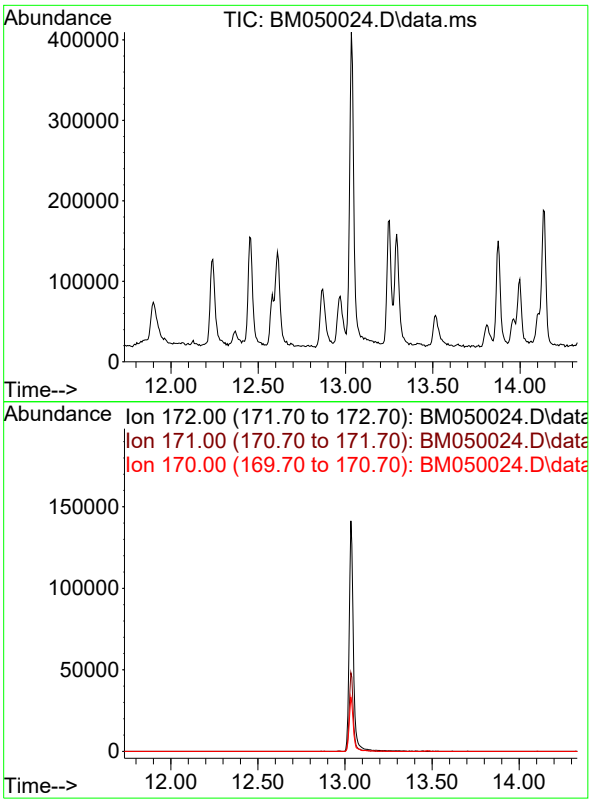
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.90 min

Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.6
141	28.1





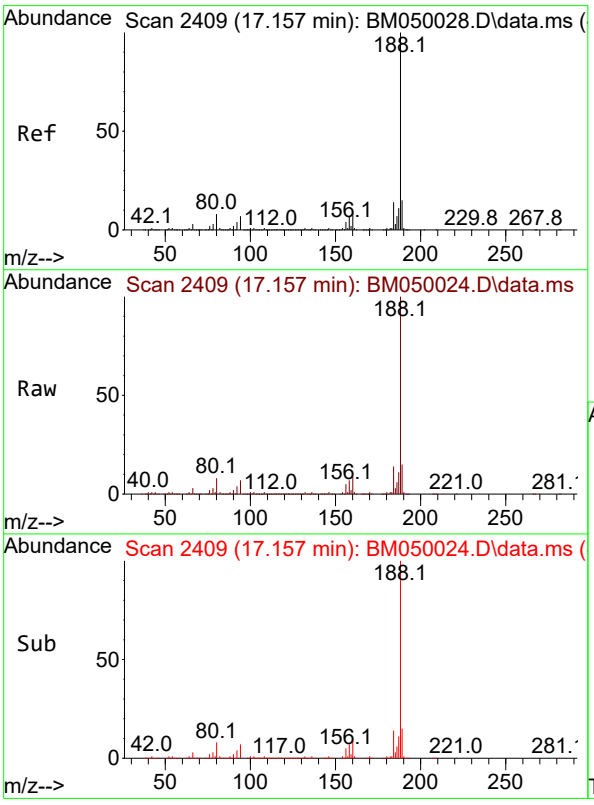
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.03 min

Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

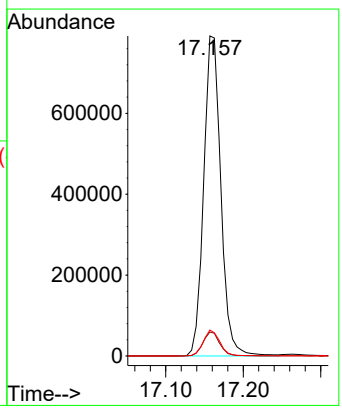
Sig	Exp Ratio
172	100
171	34.7
170	23.3

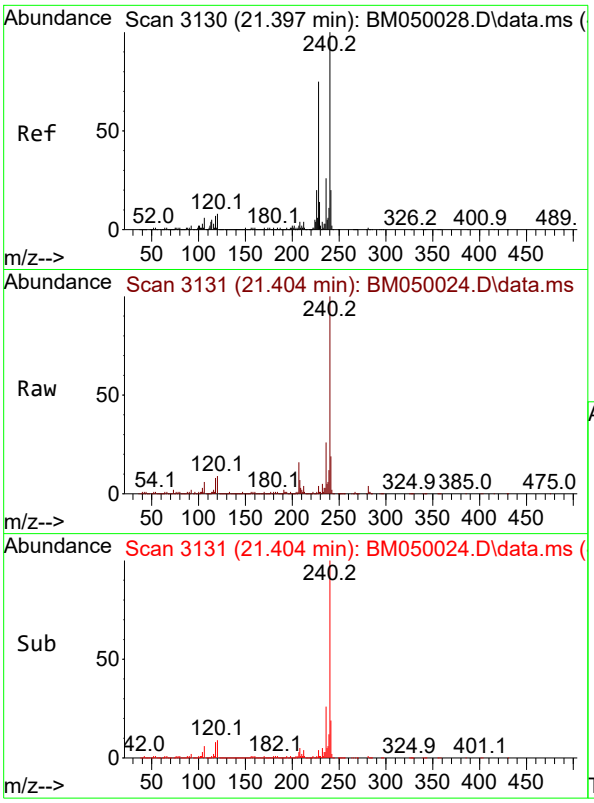


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

Tgt Ion:188 Resp: 1218544

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.7	8.5
80	8.1	6.2	9.4



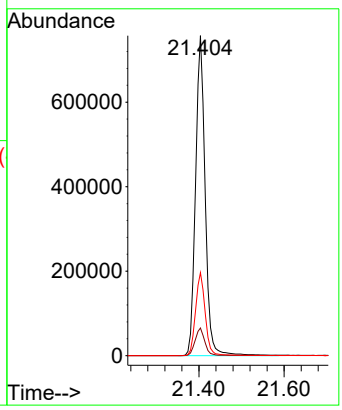


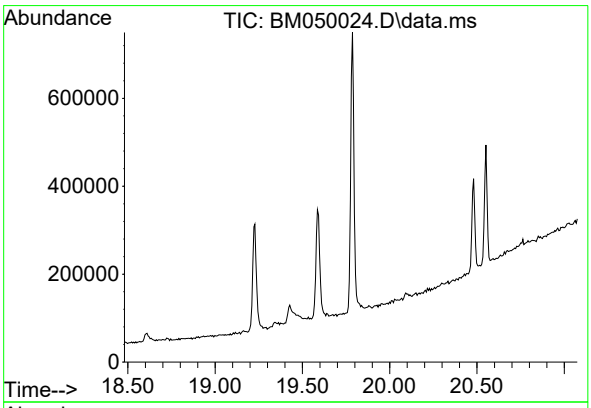
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.404 min Scan# 3
Delta R.T. 0.007 min
Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 1187007

Ion	Ratio	Lower	Upper
240	100		
120	8.7	6.5	9.7
236	25.9	20.9	31.3



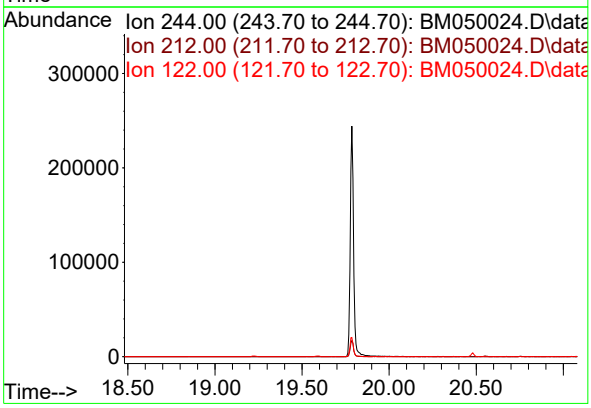


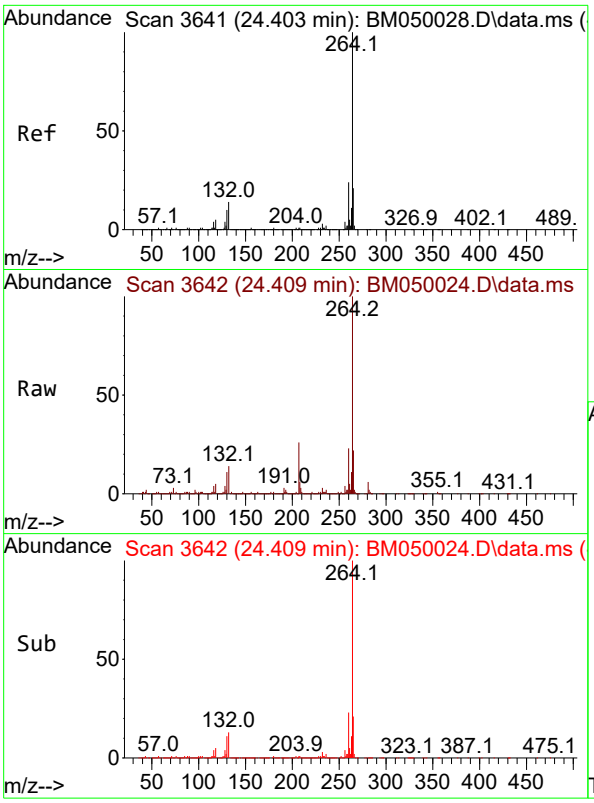
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.78 min

Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.0
122	7.0



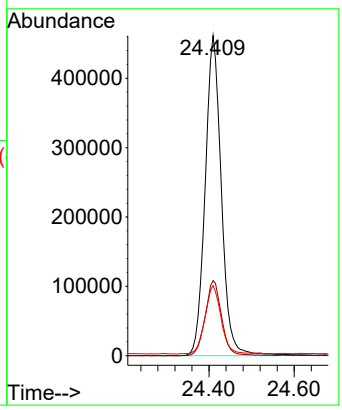


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 1217038

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.8	28.2
265	21.9	17.0	25.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050025.D
Acq On : 28 Apr 2025 13:09
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 28 17:53:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.769	152	222427	20.000	ng		0.00
21) Naphthalene-d8	10.563	136	815362	20.000	ng		0.00
39) Acenaphthene-d10	14.410	164	578294	20.000	ng		0.00
64) Phenanthrene-d10	17.157	188	1183325	20.000	ng		0.00
76) Chrysene-d12	21.403	240	1136162	20.000	ng		0.00
86) Perylene-d12	24.403	264	1149910	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	119473	9.406	ng		0.00
7) Phenol-d6	6.957	99	143453	8.985	ng		0.00
23) Nitrobenzene-d5	8.928	82	157222	9.502	ng		0.00
42) 2,4,6-Tribromophenol	15.910	330	73192	8.560	ng		0.00
45) 2-Fluorobiphenyl	13.033	172	459031	9.390	ng		0.00
79) Terphenyl-d14	19.780	244	668289	8.704	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.257	88	28163	5.171	ng		98
3) Pyridine	3.669	79	66766	4.771	ng		98
4) n-Nitrosodimethylamine	3.575	42	27060	4.930	ng	#	92
6) Aniline	7.098	93	92126	4.570	ng		97
8) 2-Chlorophenol	7.345	128	64999	4.733	ng		99
9) Benzaldehyde	6.916	77	52286m	4.900	ng		
10) Phenol	6.987	94	75011	4.641	ng		99
11) bis(2-Chloroethyl)ether	7.192	93	67447	4.998	ng		98
12) 1,3-Dichlorobenzene	7.657	146	82466	4.971	ng		98
13) 1,4-Dichlorobenzene	7.804	146	84400	5.064	ng		97
14) 1,2-Dichlorobenzene	8.122	146	78966	4.905	ng		99
15) Benzyl Alcohol	8.022	79	48180	4.352	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.298	45	82711	5.042	ng		93
17) 2-Methylphenol	8.234	107	47632	4.474	ng		99
18) Hexachloroethane	8.845	117	30717	5.185	ng		97
19) n-Nitroso-di-n-propyla...	8.575	70	49455	4.830	ng		98
20) 3+4-Methylphenols	8.575	107	63223	4.397	ng	#	91
22) Acetophenone	8.598	105	98358	4.852	ng		98
24) Nitrobenzene	8.975	77	68598	4.795	ng		94
25) Isophorone	9.498	82	135828	4.816	ng		98
26) 2-Nitrophenol	9.692	139	30257	4.140	ng		95
27) 2,4-Dimethylphenol	9.763	122	53660	4.427	ng		99
28) bis(2-Chloroethoxy)met...	9.986	93	82947	4.758	ng		99
29) 2,4-Dichlorophenol	10.263	162	59828	4.406	ng		97
30) 1,2,4-Trichlorobenzene	10.428	180	81624	4.934	ng		97
31) Naphthalene	10.616	128	204133	4.944	ng		98
33) 4-Chloroaniline	10.751	127	73542	4.345	ng		97
34) Hexachlorobutadiene	10.898	225	51529	4.907	ng		98
35) Caprolactam	11.522	113	18349m	4.634	ng		
36) 4-Chloro-3-methylphenol	11.886	107	58843	4.690	ng		97
37) 2-Methylnaphthalene	12.233	142	133679	4.829	ng		97
38) 1-Methylnaphthalene	12.451	142	143332	4.892	ng		99
40) 1,2,4,5-Tetrachloroben...	12.604	216	90168	4.504	ng		98
43) 2,4,6-Trichlorophenol	12.863	196	53748	4.233	ng		96
44) 2,4,5-Trichlorophenol	12.951	196	59224	4.325	ng		98
46) 1,1'-Biphenyl	13.245	154	206296	4.799	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050025.D
Acq On : 28 Apr 2025 13:09
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 17:53:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47)	2-Chloronaphthalene	13.286	162	162803	4.782	ng		98
48)	2-Nitroaniline	13.504	65	34348	4.299	ng		91
49)	Acenaphthylene	14.133	152	259406	4.832	ng		100
50)	Dimethylphthalate	13.869	163	208800	4.941	ng		100
51)	2,6-Dinitrotoluene	13.992	165	38453	4.395	ng		94
52)	Acenaphthene	14.474	154	150042	4.829	ng		99
53)	3-Nitroaniline	14.339	138	33713	4.036	ng	#	94
55)	Dibenzofuran	14.816	168	252898	4.892	ng		99
57)	2,4-Dinitrotoluene	14.798	165	48901	4.044	ng	#	87
58)	Fluorene	15.463	166	200542	4.739	ng		95
59)	2,3,4,6-Tetrachlorophenol	15.057	232	52899	4.463	ng		97
60)	Diethylphthalate	15.233	149	198362	4.981	ng		98
61)	4-Chlorophenyl-phenyle...	15.457	204	107081	4.607	ng		94
62)	4-Nitroaniline	15.515	138	30138m	3.737	ng		
63)	Azobenzene	15.751	77	161662	4.844	ng		98
66)	n-Nitrosodiphenylamine	15.674	169	171608	4.723	ng		97
67)	4-Bromophenyl-phenylether	16.351	248	66000	4.612	ng		95
68)	Hexachlorobenzene	16.468	284	78506	4.759	ng		99
69)	Atrazine	16.627	200	58110	4.433	ng		99
71)	Phenanthrene	17.198	178	317954	4.764	ng		99
72)	Anthracene	17.292	178	314149	4.651	ng		99
73)	Carbazole	17.574	167	268774	4.586	ng		99
74)	Di-n-butylphthalate	18.127	149	327178	4.688	ng		100
75)	Fluoranthene	19.221	202	348593	4.449	ng		99
78)	Pyrene	19.586	202	366473	4.593	ng		99
80)	Butylbenzylphthalate	20.480	149	138827	4.646	ng		97
81)	Benzo(a)anthracene	21.380	228	363641	4.648	ng		99
82)	3,3'-Dichlorobenzidine	21.315	252	123375	4.119	ng	#	95
83)	Chrysene	21.445	228	343085	4.738	ng		98
84)	Bis(2-ethylhexyl)phtha...	21.297	149	206231	4.620	ng		96
85)	Di-n-octyl phthalate	22.427	149	346799	4.711	ng		98
87)	Indeno(1,2,3-cd)pyrene	27.803	276	373944	4.364	ng	#	87
88)	Benzo(b)fluoranthene	23.456	252	324395	4.338	ng		99
89)	Benzo(k)fluoranthene	23.515	252	350374m	4.631	ng		
90)	Benzo(a)pyrene	24.262	252	314608	4.492	ng		98
91)	Dibenzo(a,h)anthracene	27.856	278	303557	4.346	ng		98
92)	Benzo(g,h,i)perylene	28.862	276	306571	4.585	ng		98

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

ICAL Form

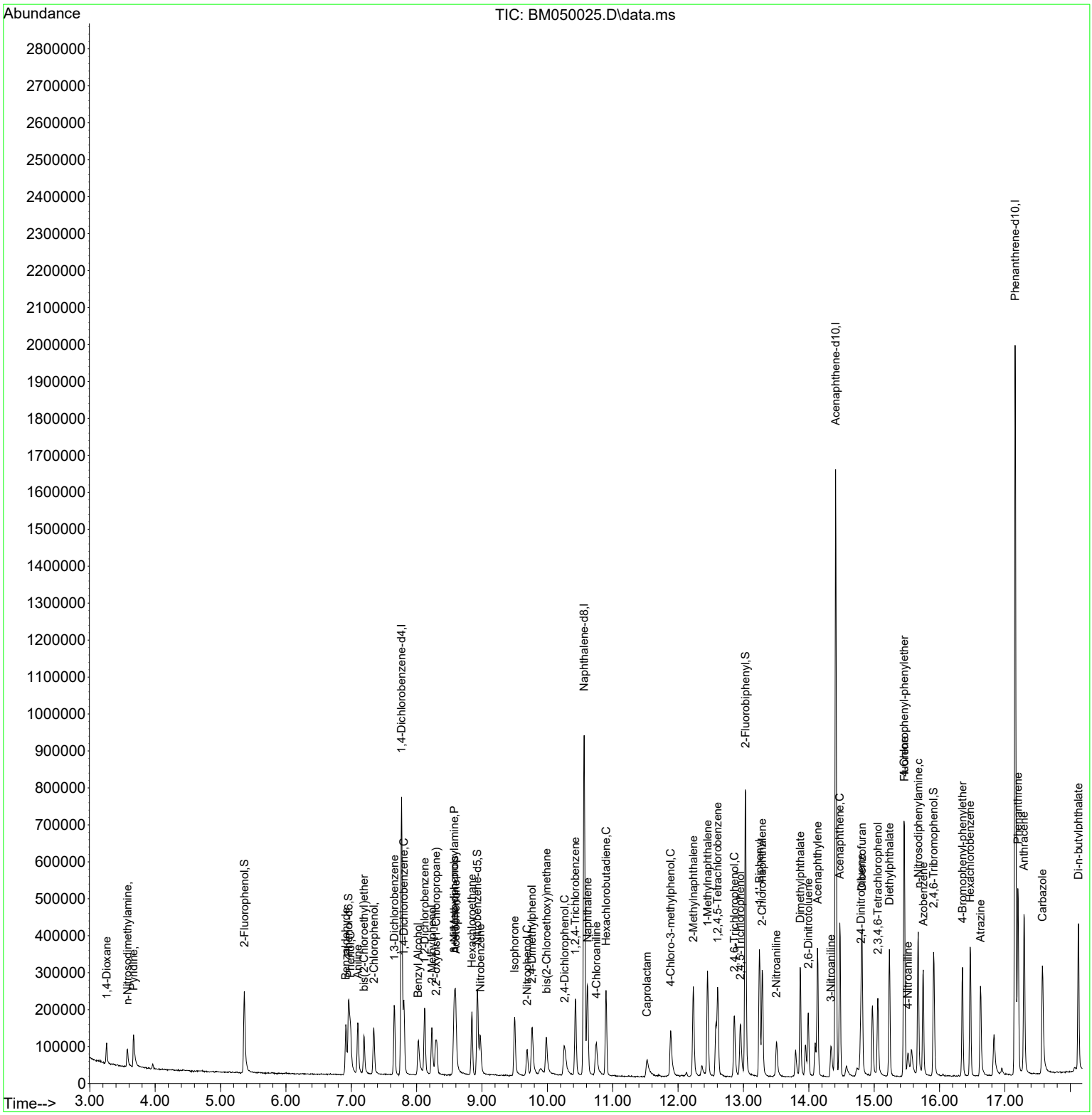
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050025.D
Acq On : 28 Apr 2025 13:09
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 28 17:53:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050025.D
Acq On : 28 Apr 2025 13:09
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 28 17:53:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
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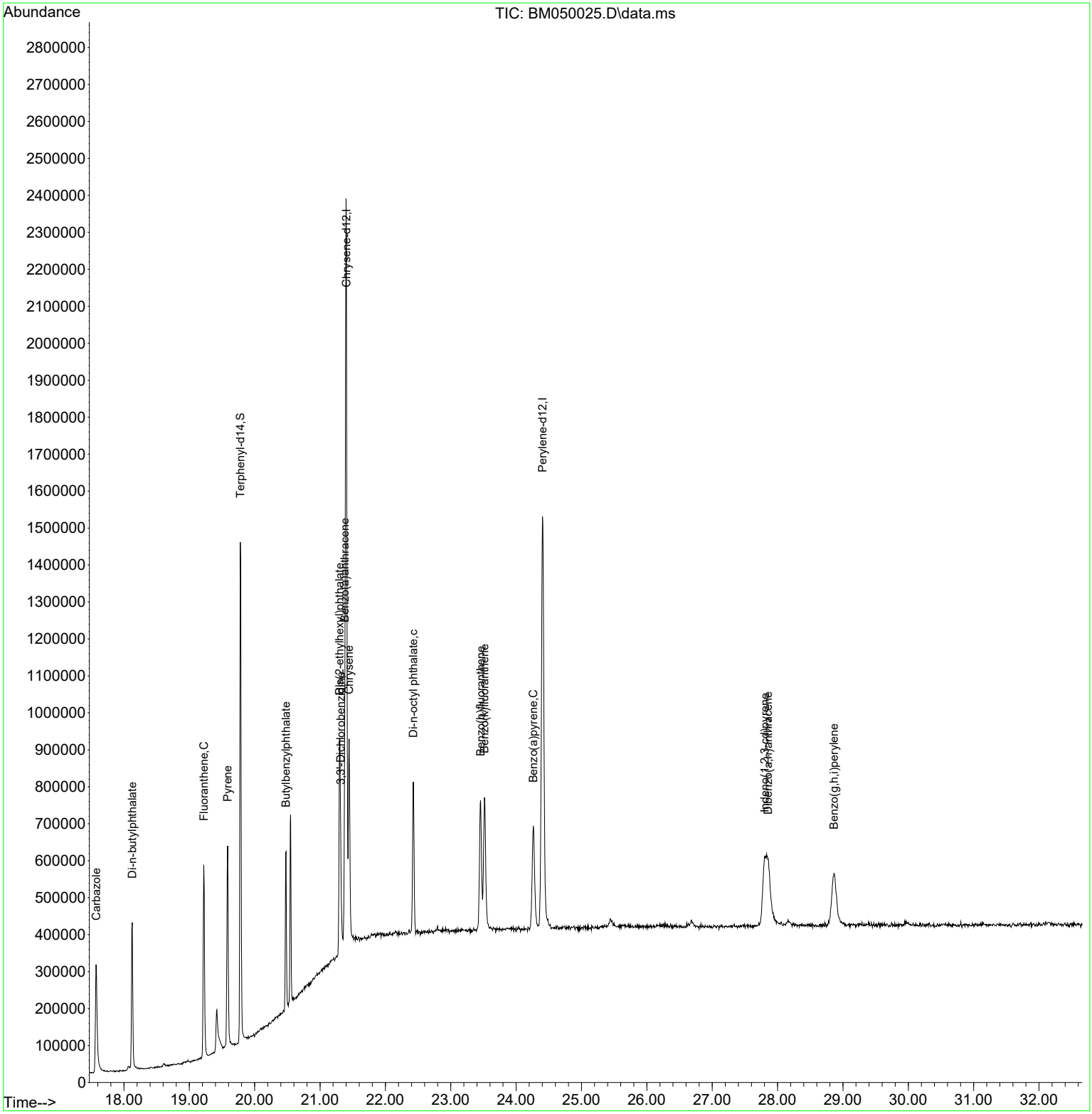
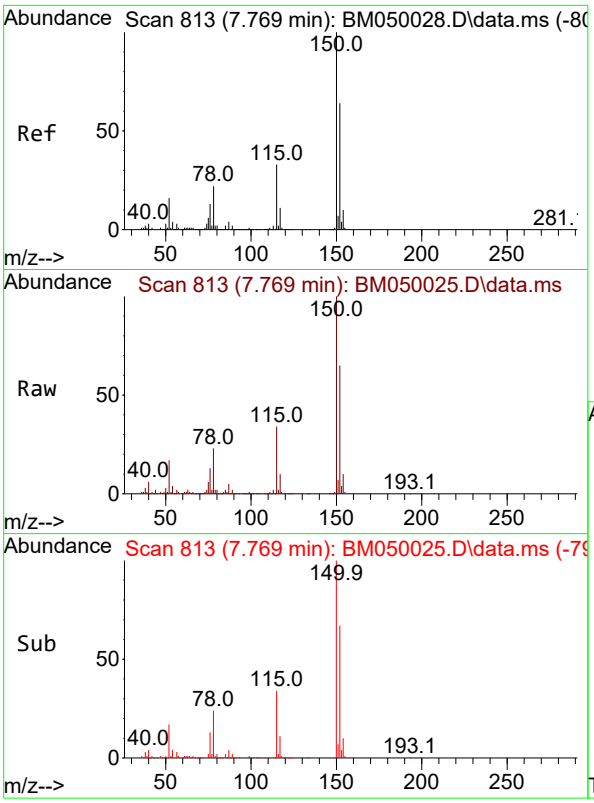
Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

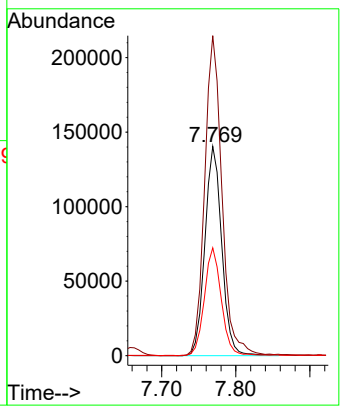




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:152 Resp: 22242

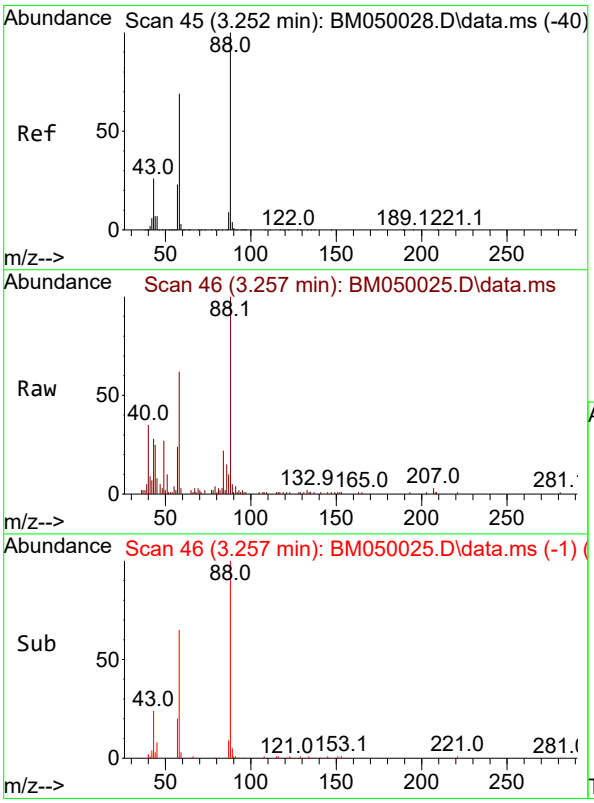
Ion	Ratio	Lower	Upper
152	100		
150	152.9	124.1	186.1
115	51.5	41.2	61.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

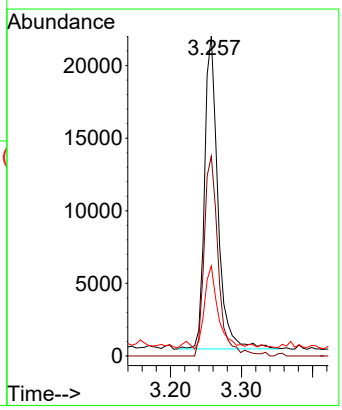
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

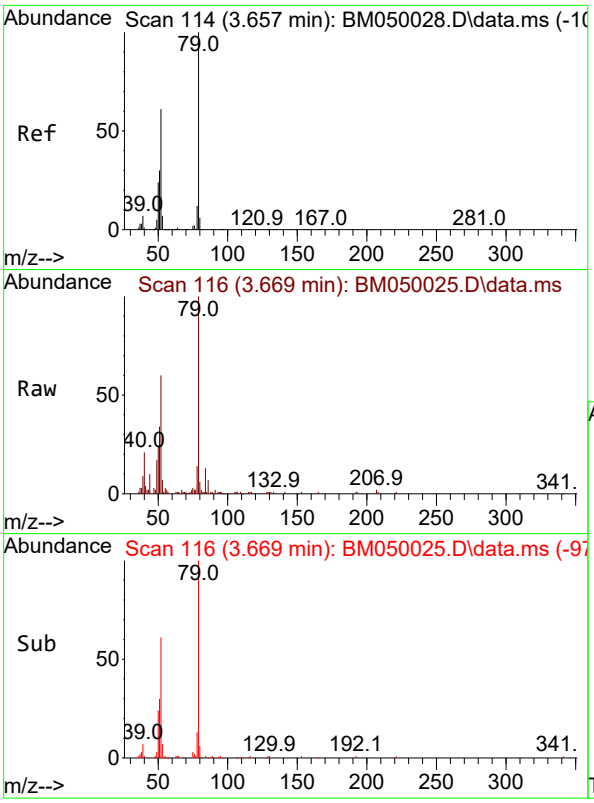


#2
1,4-Dioxane
Concen: 5.171 ng
RT: 3.257 min Scan# 46
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 88 Resp: 28163

Ion	Ratio	Lower	Upper
88	100		
58	67.8	55.1	82.7
43	27.3	20.9	31.3

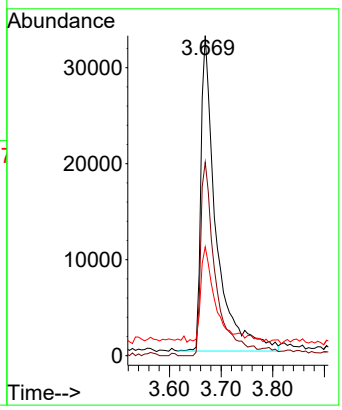




#3
Pyridine
Concen: 4.771 ng
RT: 3.669 min Scan# 11
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 79 Resp: 6676

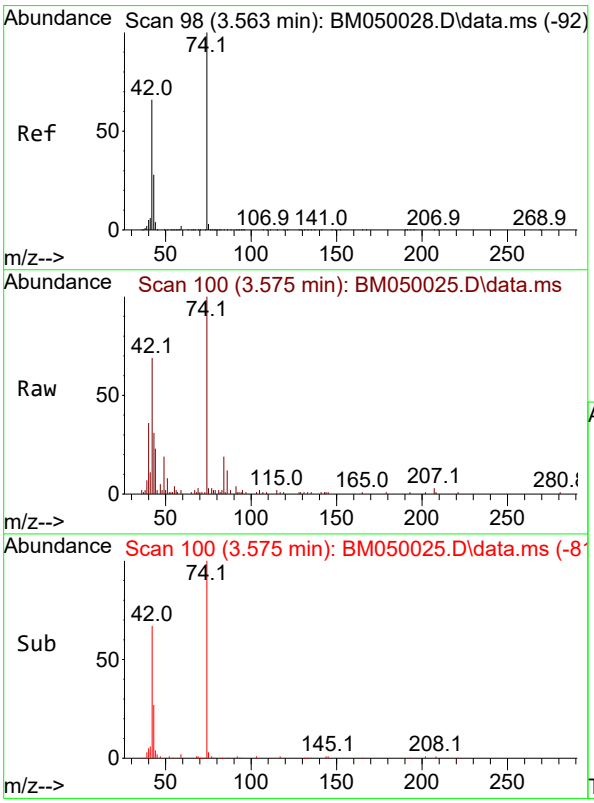
Ion	Ratio	Lower	Upper
79	100		
52	60.5	48.6	72.8
51	34.0	24.6	37.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

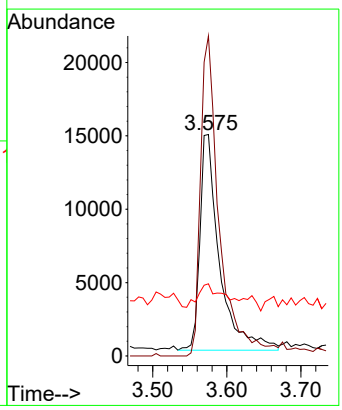
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

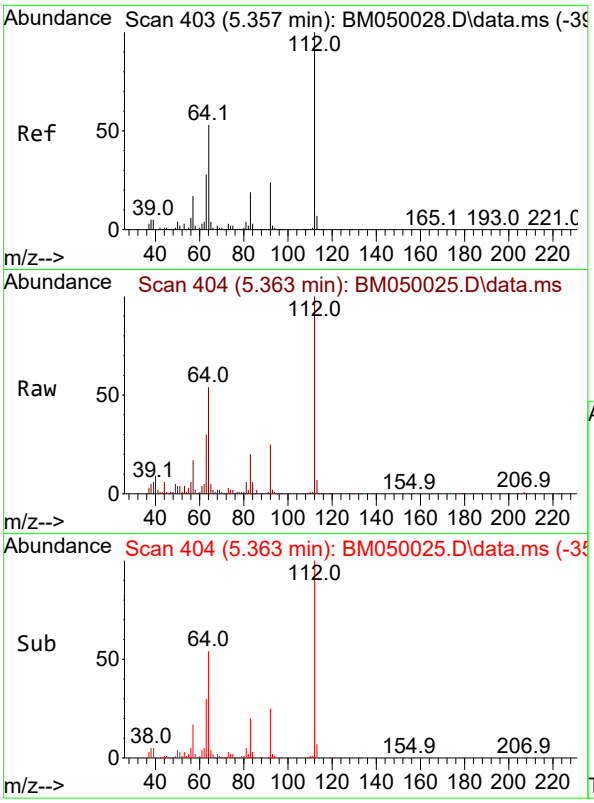


#4
n-Nitrosodimethylamine
Concen: 4.930 ng
RT: 3.575 min Scan# 100
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 42 Resp: 27060

Ion	Ratio	Lower	Upper
42	100		
74	144.5	120.2	180.2
44	32.5	6.2	9.2#

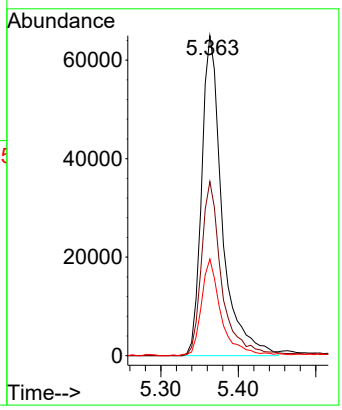




#5
2-Fluorophenol
Concen: 9.406 ng
RT: 5.363 min Scan# 40
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:112 Resp: 11947

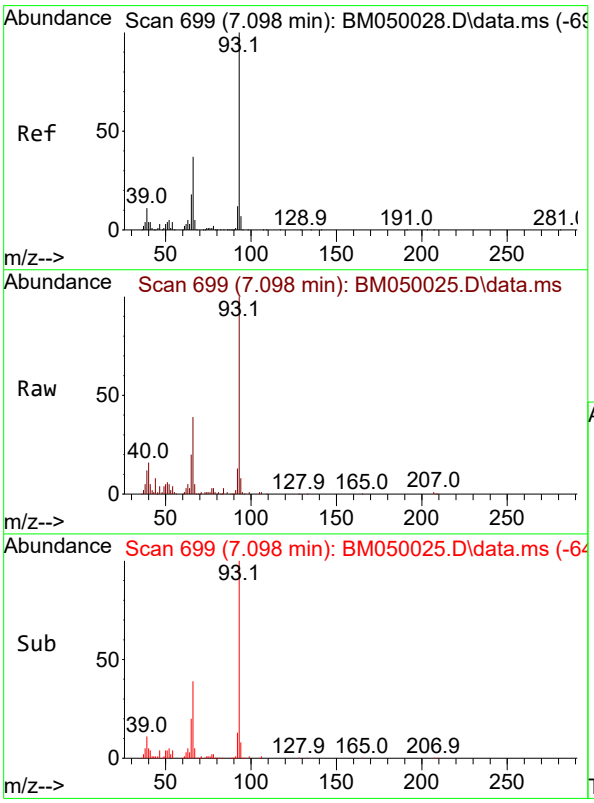
Ion	Ratio	Lower	Upper
112	100		
64	54.4	42.6	64.0
63	30.2	22.2	33.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

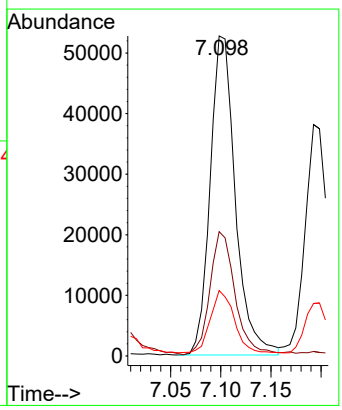
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

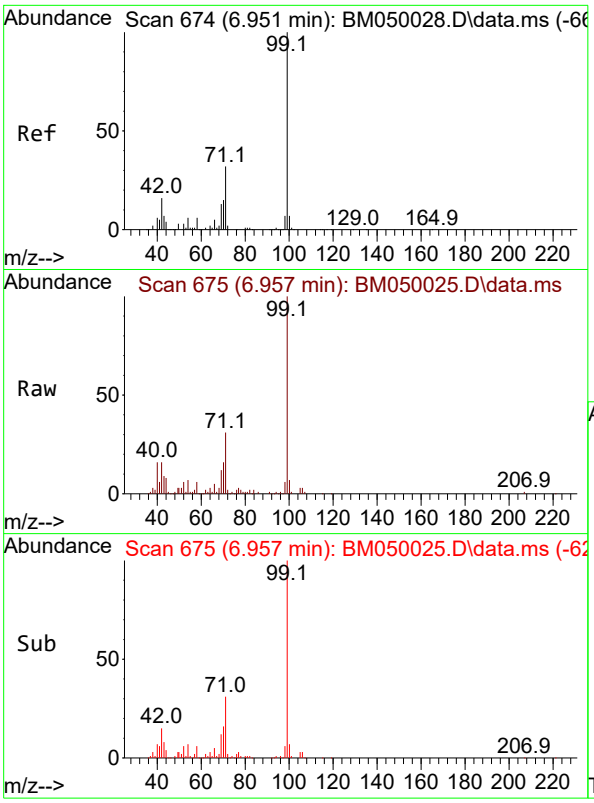


#6
Aniline
Concen: 4.570 ng
RT: 7.098 min Scan# 699
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 93 Resp: 92126

Ion	Ratio	Lower	Upper
93	100		
66	38.9	29.9	44.9
65	20.5	14.5	21.7

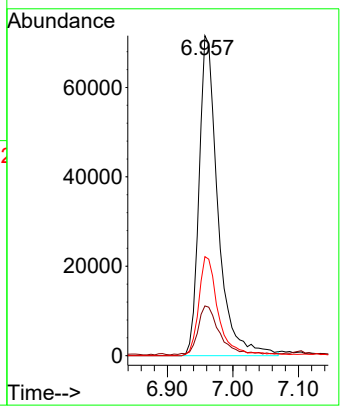




#7
Phenol-d6
Concen: 8.985 ng
RT: 6.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 99 Resp: 14345

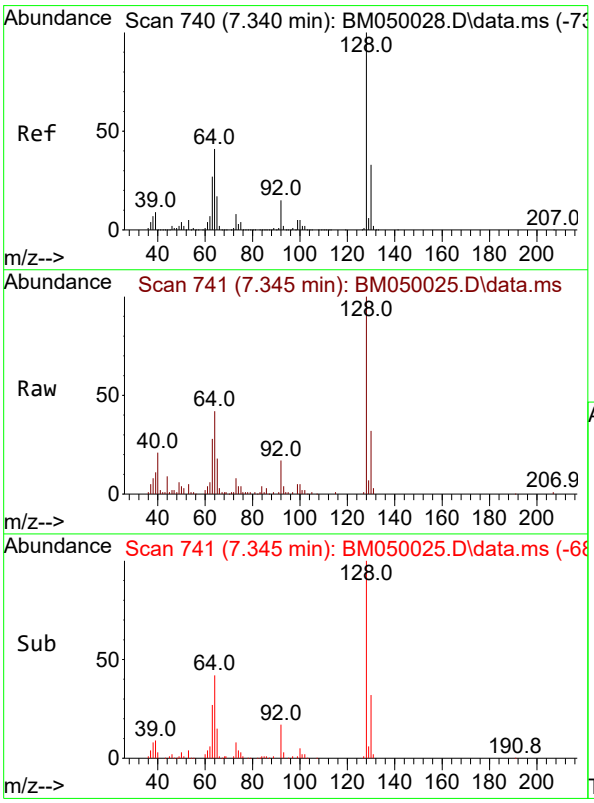
Ion	Ratio	Lower	Upper
99	100		
42	15.6	13.0	19.4
71	30.9	25.6	38.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

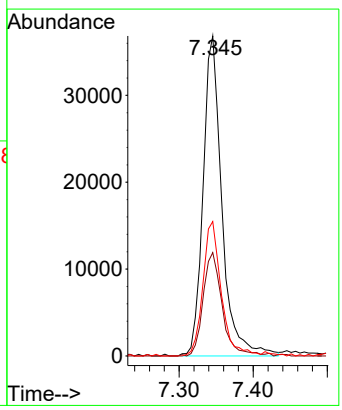
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

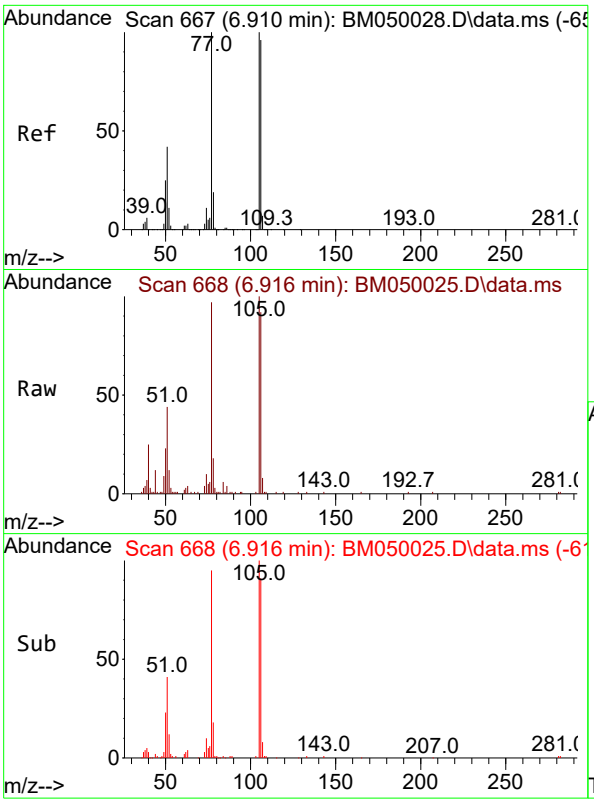


#8
2-Chlorophenol
Concen: 4.733 ng
RT: 7.345 min Scan# 741
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:128 Resp: 64999

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.8	52.8
64	42.0	21.2	61.2

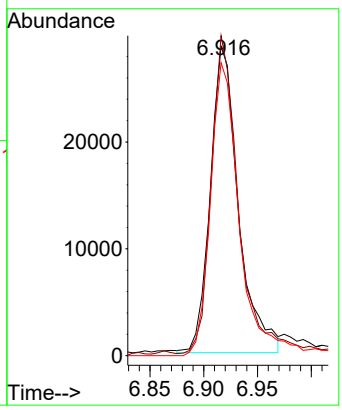




#9
Benzaldehyde
Concen: 4.900 ng m
RT: 6.916 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 77 Resp: 5228

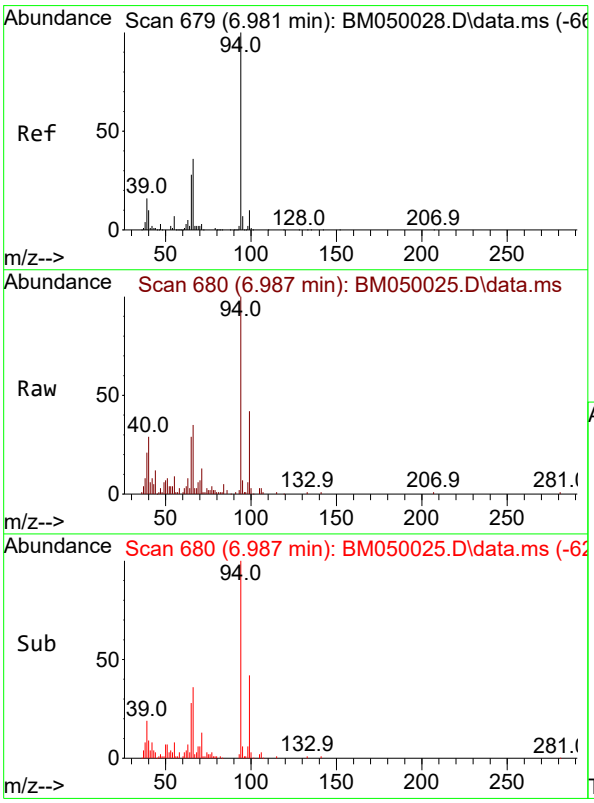
Ion	Ratio	Lower	Upper
77	100		
105	103.4	80.5	120.5
106	94.6	76.1	116.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

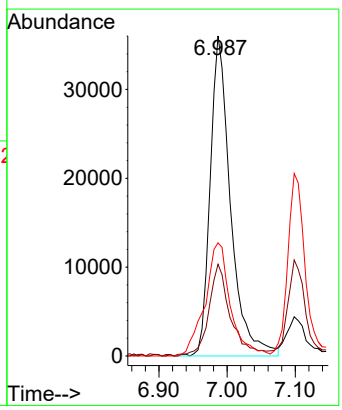
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

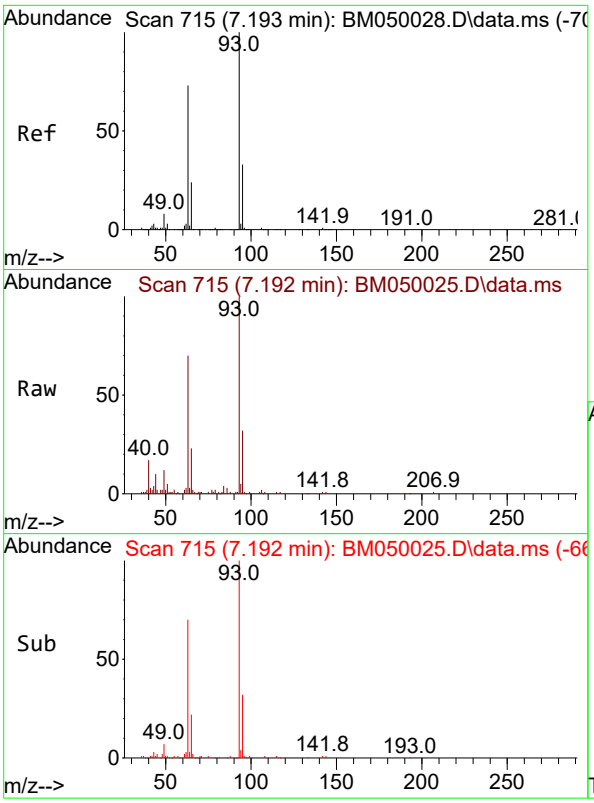


#10
Phenol
Concen: 4.641 ng
RT: 6.987 min Scan# 680
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 94 Resp: 75011

Ion	Ratio	Lower	Upper
94	100		
65	28.6	7.6	47.6
66	35.3	15.8	55.8

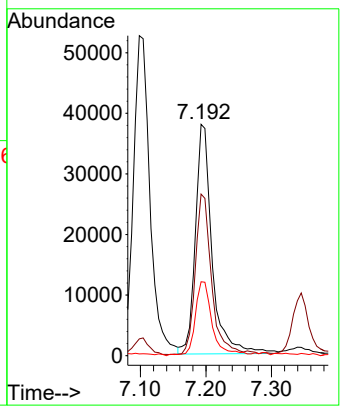




#11
bis(2-Chloroethyl)ether
Concen: 4.998 ng
RT: 7.192 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 93 Resp: 6744

Ion	Ratio	Lower	Upper
93	100		
63	69.8	52.3	92.3
95	32.0	12.8	52.8



Instrument :
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ClientSampleId :
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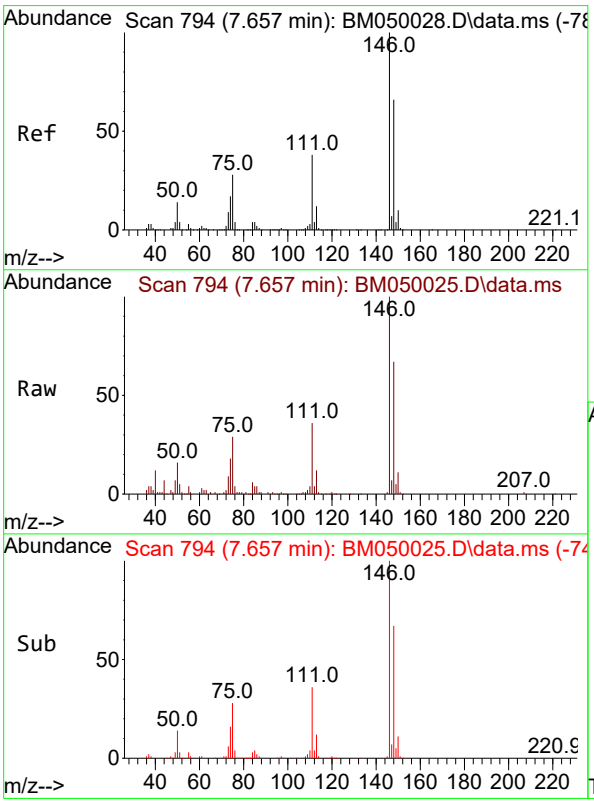
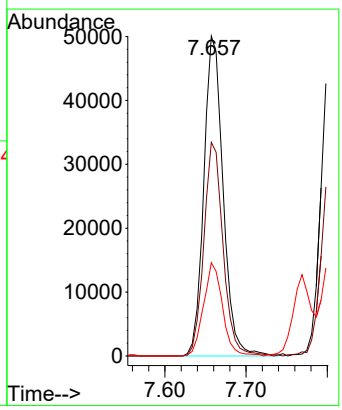
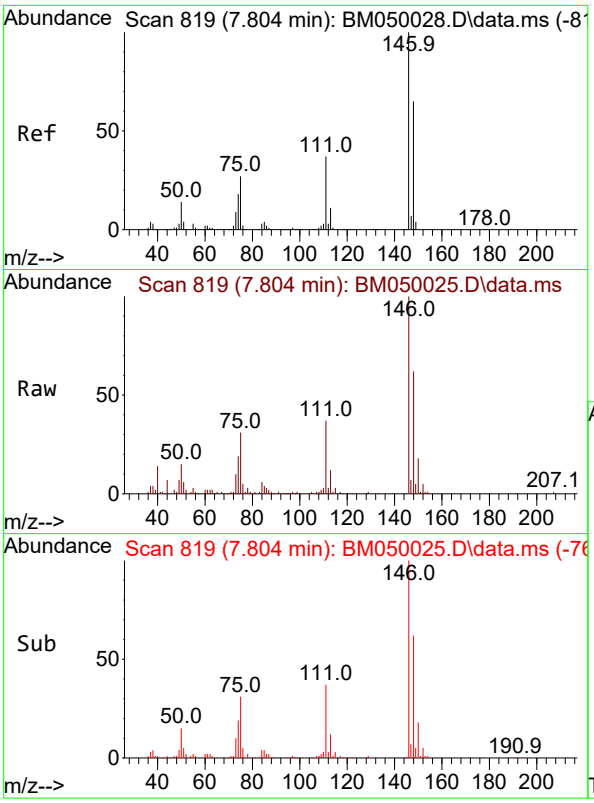


#12
1,3-Dichlorobenzene
Concen: 4.971 ng
RT: 7.657 min Scan# 794
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:146 Resp: 82466

Ion	Ratio	Lower	Upper
146	100		
148	66.8	52.5	78.7
75	29.2	22.6	34.0

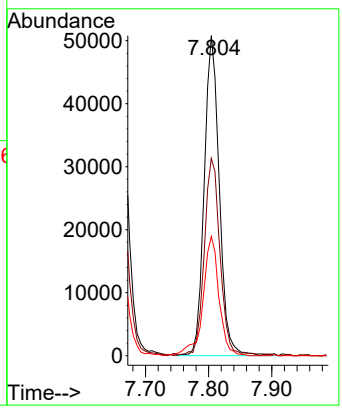




#13
1,4-Dichlorobenzene
Concen: 5.064 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:146 Resp: 8440

Ion	Ratio	Lower	Upper
146	100		
148	61.6	52.2	78.2
111	37.2	29.3	43.9



Instrument :
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ClientSampleId :
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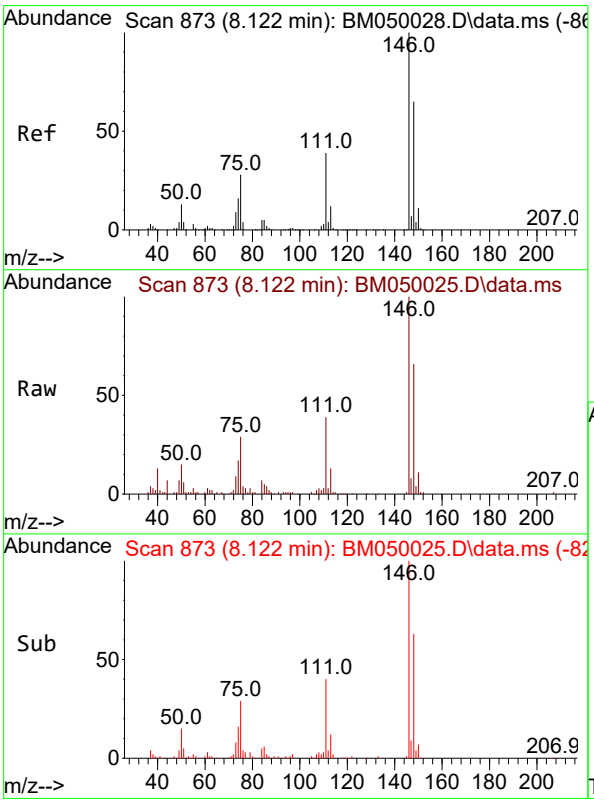
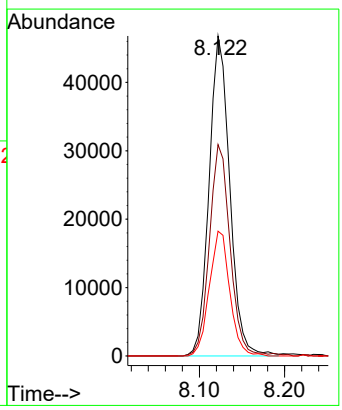
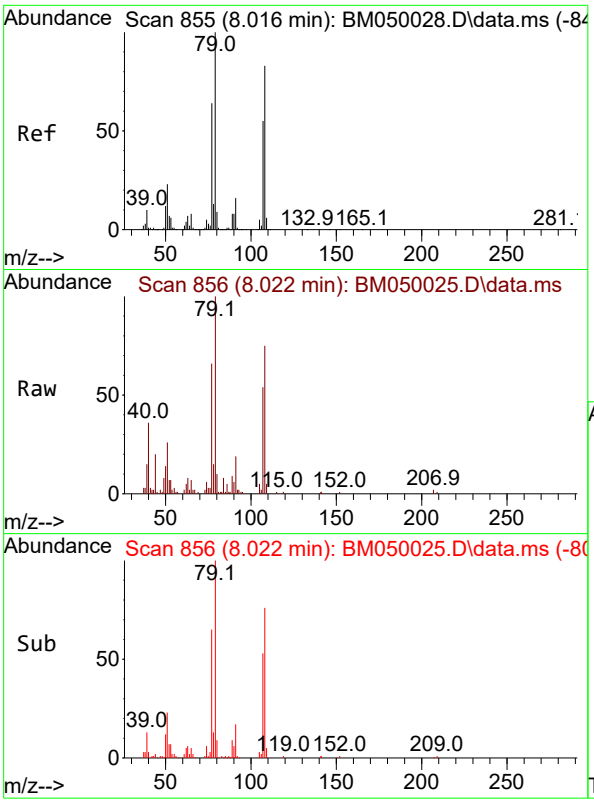


#14
1,2-Dichlorobenzene
Concen: 4.905 ng
RT: 8.122 min Scan# 873
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:146 Resp: 78966

Ion	Ratio	Lower	Upper
146	100		
148	66.0	52.4	78.6
111	39.0	31.0	46.6

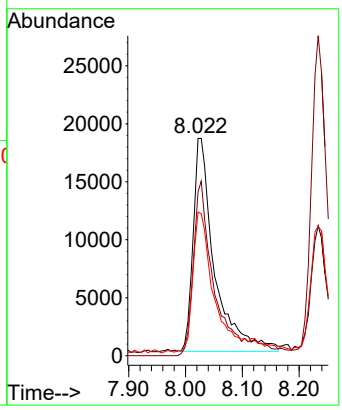




#15
Benzyl Alcohol
Concen: 4.352 ng
RT: 8.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 79 Resp: 4818

Ion	Ratio	Lower	Upper
79	100		
108	75.4	66.0	99.0
77	66.1	51.6	77.4



Instrument :
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ClientSampleId :
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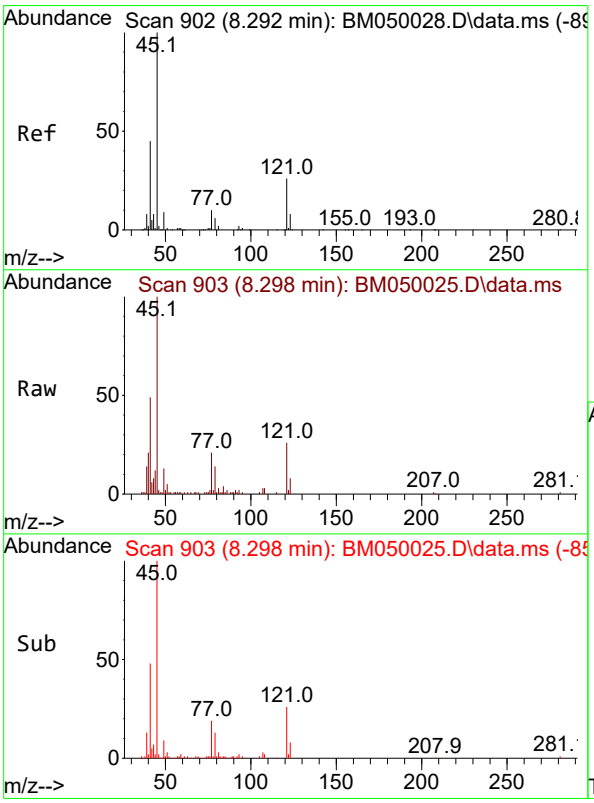
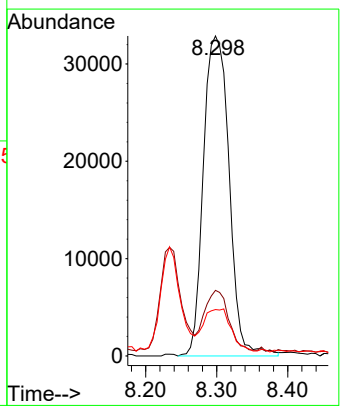
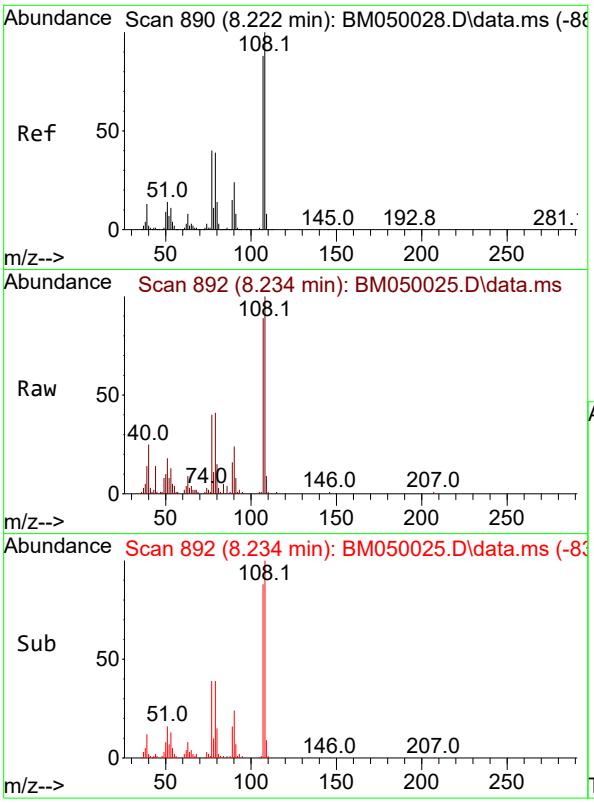


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.042 ng
RT: 8.298 min Scan# 903
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 45 Resp: 82711

Ion	Ratio	Lower	Upper
45	100		
77	20.5	0.0	36.4
79	14.5	0.0	32.7

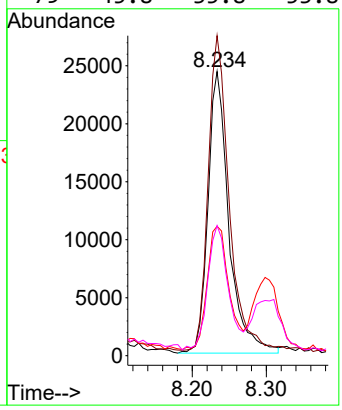




#17
2-Methylphenol
Concen: 4.474 ng
RT: 8.234 min Scan# 8
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:107 Resp: 4763

Ion	Ratio	Lower	Upper
107	100		
108	112.6	91.1	136.7
77	45.6	36.2	54.4
79	45.8	35.8	53.8



Instrument :
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ClientSampleId :
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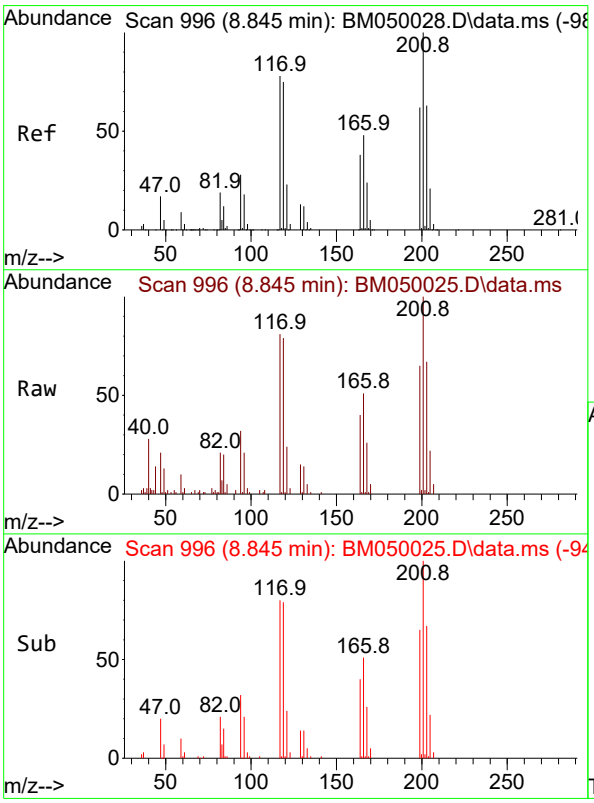
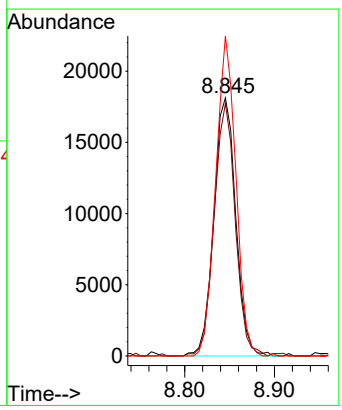
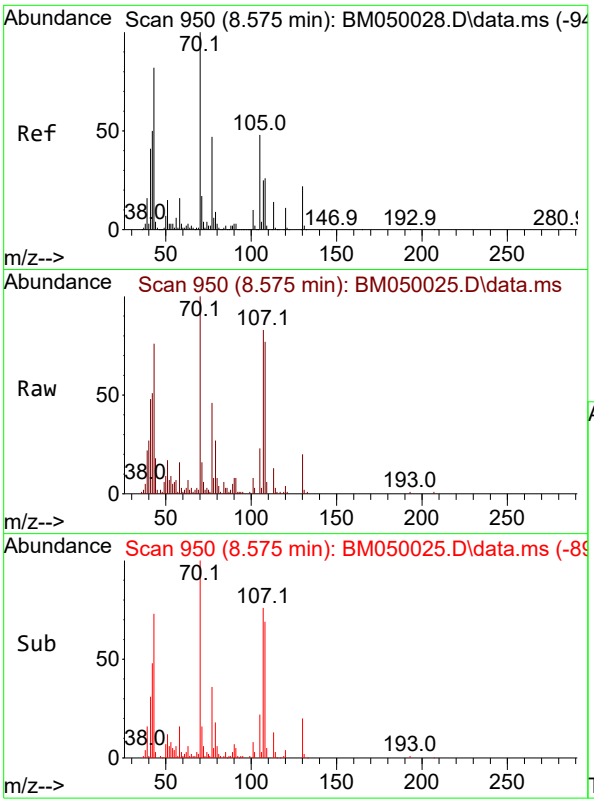


#18
Hexachloroethane
Concen: 5.185 ng
RT: 8.845 min Scan# 996
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:117 Resp: 30717

Ion	Ratio	Lower	Upper
117	100		
119	97.9	77.3	115.9
201	124.0	102.8	154.2

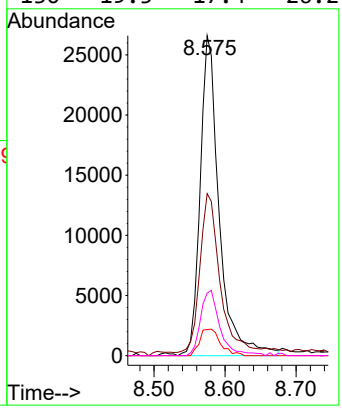




#19
n-Nitroso-di-n-propylamine
Concen: 4.830 ng
RT: 8.575 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 70 Resp: 4945

Ion	Ratio	Lower	Upper
70	100		
42	50.7	40.5	60.7
101	8.2	7.8	11.6
130	19.5	17.4	26.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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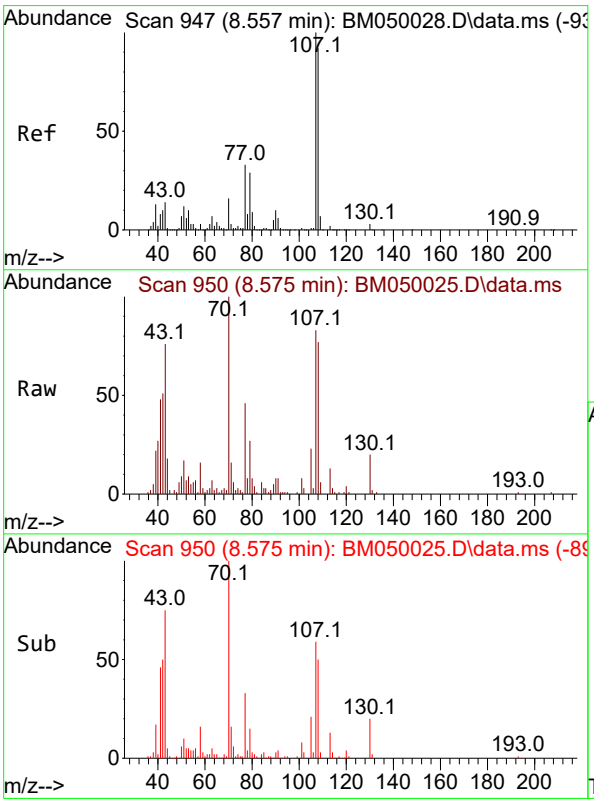
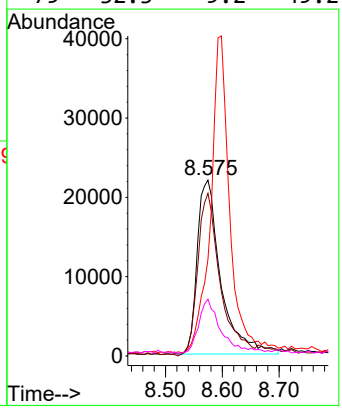
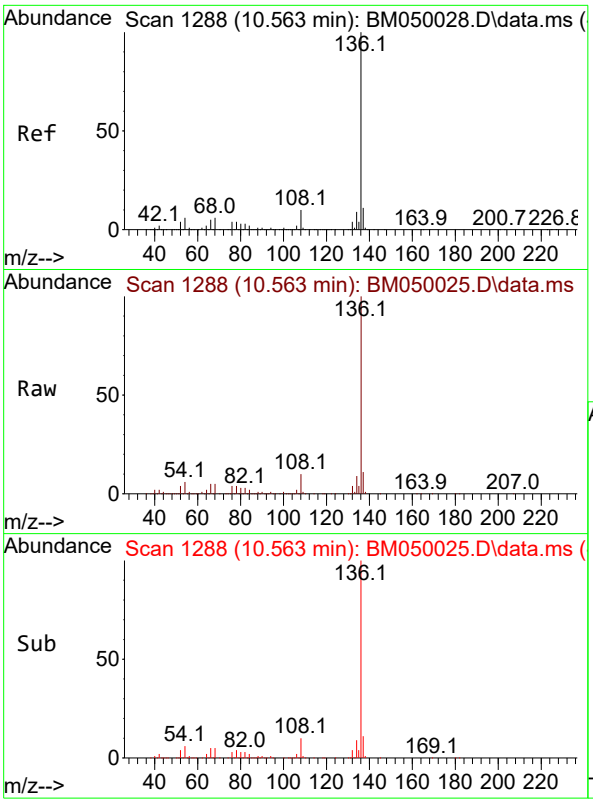


#20
3+4-Methylphenols
Concen: 4.397 ng
RT: 8.575 min Scan# 950
Delta R.T. 0.018 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:107 Resp: 63223

Ion	Ratio	Lower	Upper
107	100		
108	92.4	72.4	112.4
77	55.1	13.6	53.6#
79	32.3	9.2	49.2

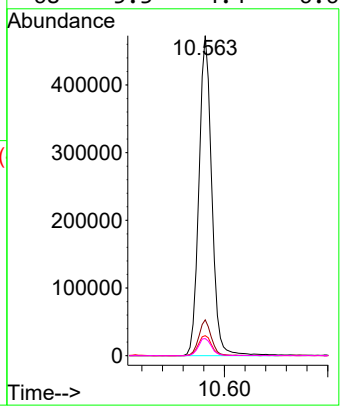




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:136 Resp: 81536

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	6.3	5.1	7.7
68	5.3	4.4	6.6



Instrument :
BNA_M
ClientSampleId :
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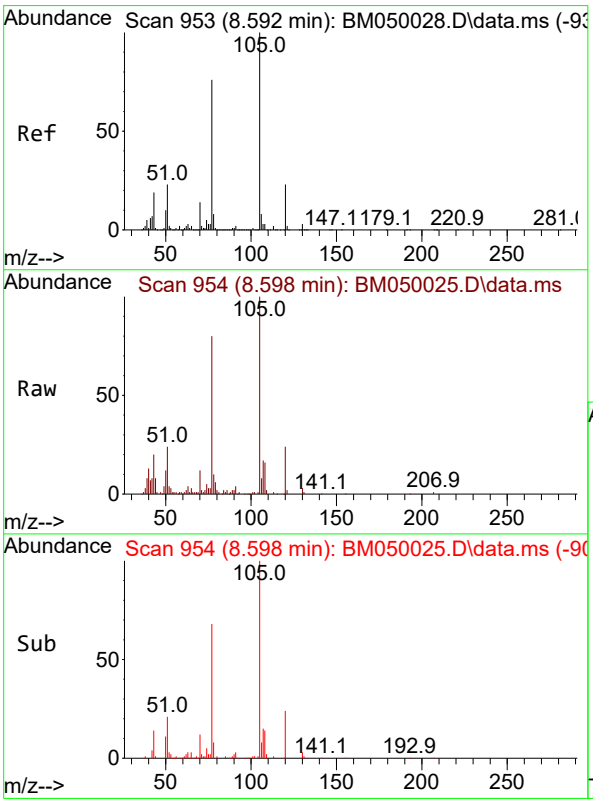
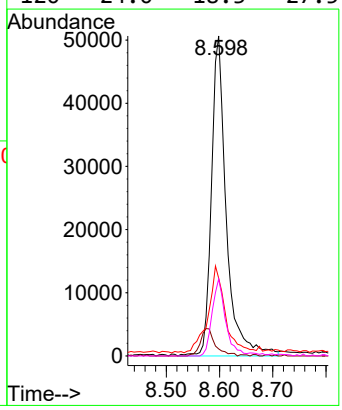
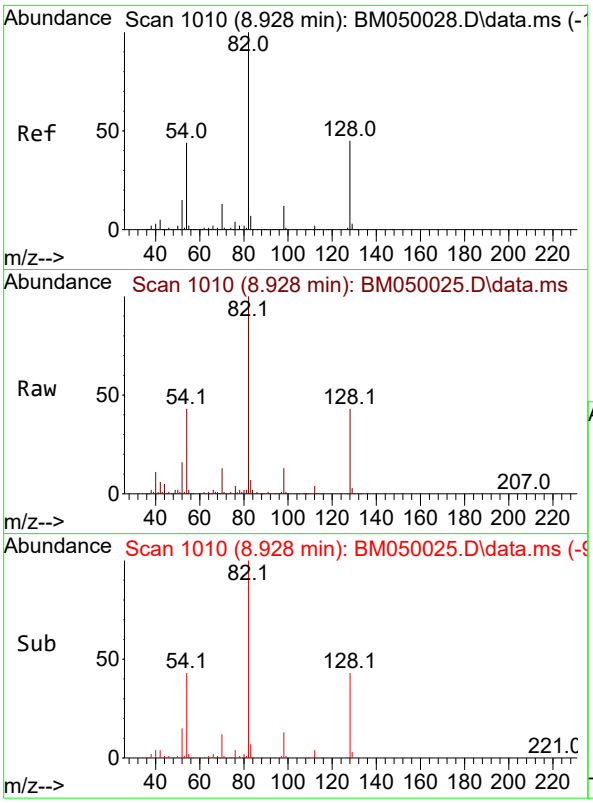


#22
Acetophenone
Concen: 4.852 ng
RT: 8.598 min Scan# 954
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:105 Resp: 98358

Ion	Ratio	Lower	Upper
105	100		
71	2.2	1.7	2.5
51	24.3	18.6	27.8
120	24.0	18.3	27.5

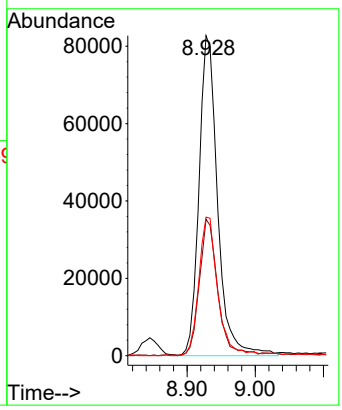




#23
Nitrobenzene-d5
Concen: 9.502 ng
RT: 8.928 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 82 Resp: 15722

Ion	Ratio	Lower	Upper
82	100		
128	42.6	35.7	53.5
54	43.3	35.4	53.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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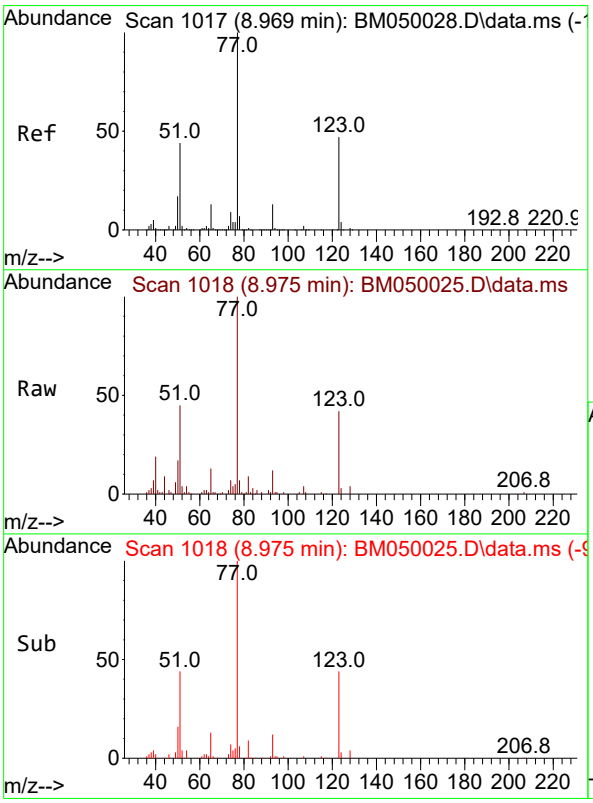
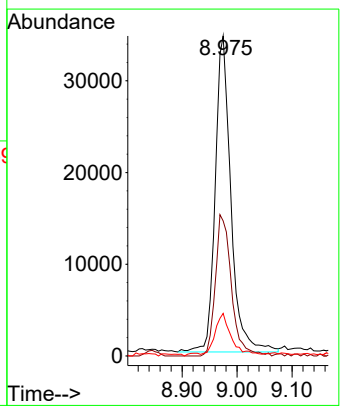
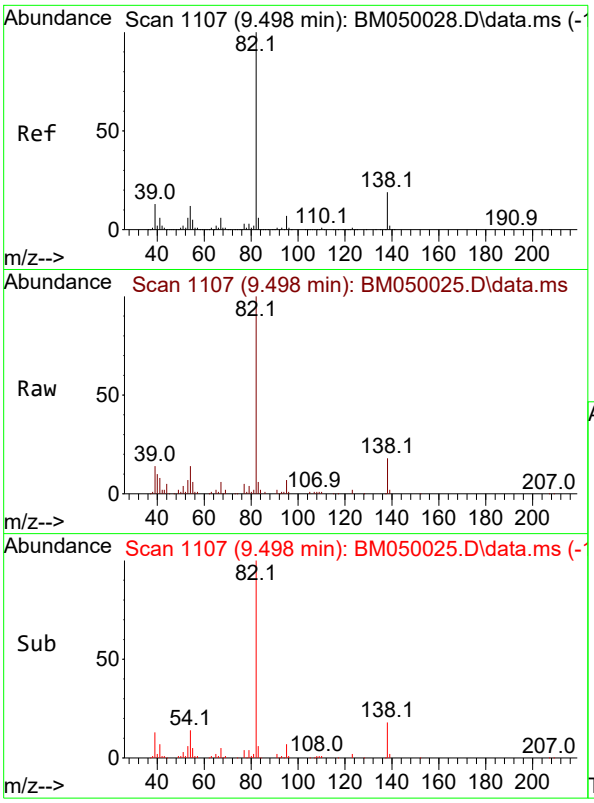


#24
Nitrobenzene
Concen: 4.795 ng
RT: 8.975 min Scan# 1018
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 77 Resp: 68598

Ion	Ratio	Lower	Upper
77	100		
123	42.2	37.9	56.9
65	13.3	10.1	15.1

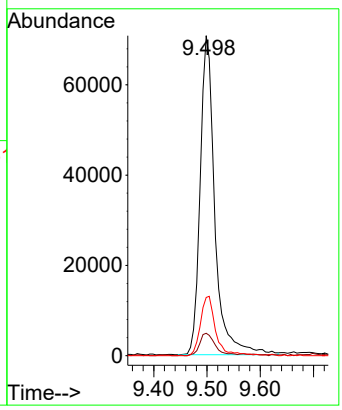




#25
Isophorone
Concen: 4.816 ng
RT: 9.498 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 82 Resp: 13582

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.7	8.5
138	18.2	15.5	23.3



Instrument :
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ClientSampleId :
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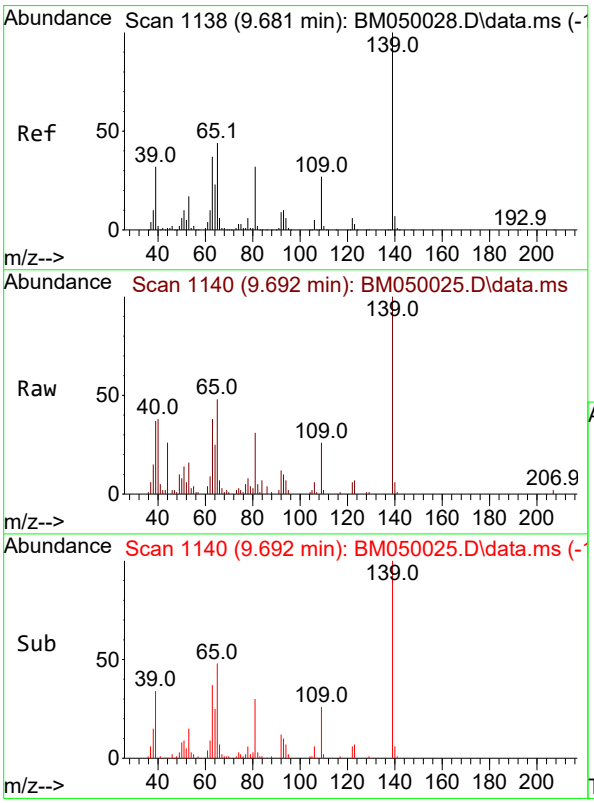
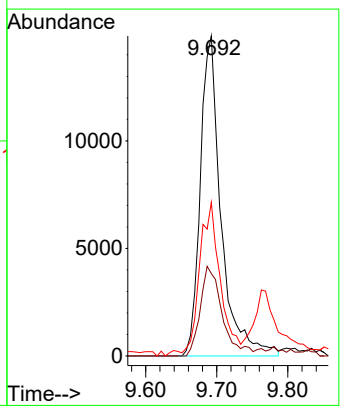
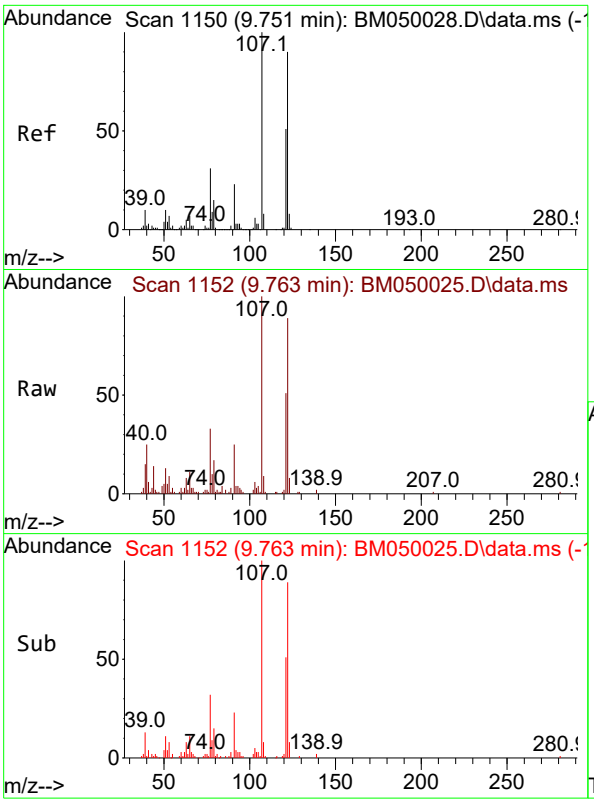


#26
2-Nitrophenol
Concen: 4.140 ng
RT: 9.692 min Scan# 1140
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:139 Resp: 30257

Ion	Ratio	Lower	Upper
139	100		
109	25.8	21.9	32.9
65	48.0	35.4	53.2

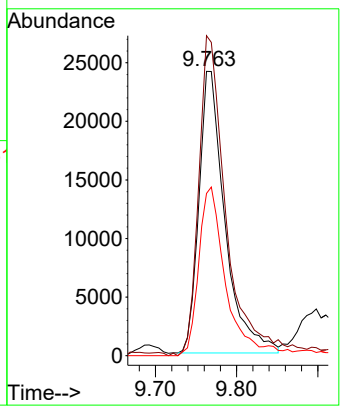




#27
2,4-Dimethylphenol
Concen: 4.427 ng
RT: 9.763 min Scan# 11
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:122 Resp: 5366

Ion	Ratio	Lower	Upper
122	100		
107	112.5	89.0	133.6
121	57.0	45.6	68.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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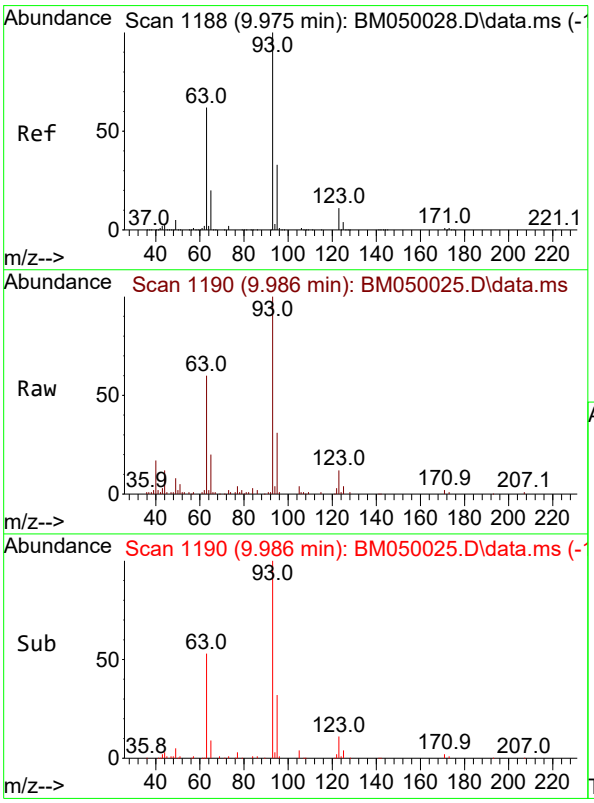
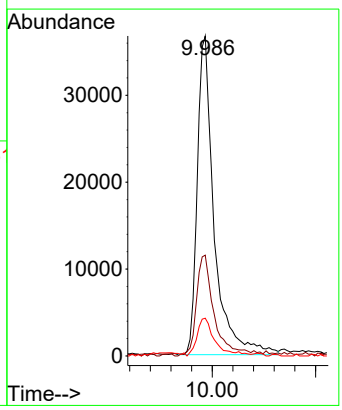
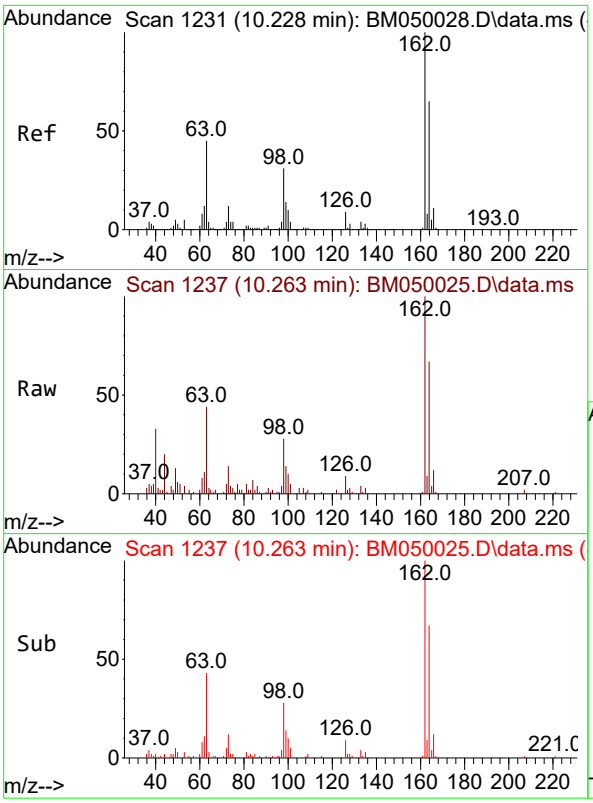


#28
bis(2-Chloroethoxy)methane
Concen: 4.758 ng
RT: 9.986 min Scan# 1190
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 93 Resp: 82947

Ion	Ratio	Lower	Upper
93	100		
95	31.5	26.1	39.1
123	11.8	9.5	14.3

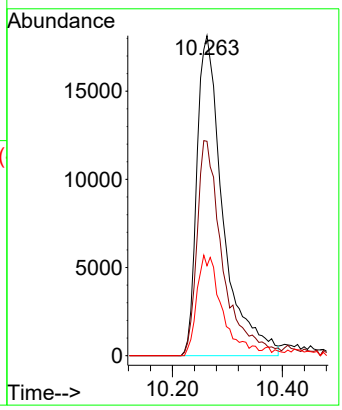




#29
2,4-Dichlorophenol
Concen: 4.406 ng
RT: 10.263 min Scan# 1
Delta R.T. 0.035 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:162 Resp: 5982

Ion	Ratio	Lower	Upper
162	100		
164	67.0	45.4	85.4
98	28.1	11.3	51.3



Instrument :
BNA_M
ClientSampleId :
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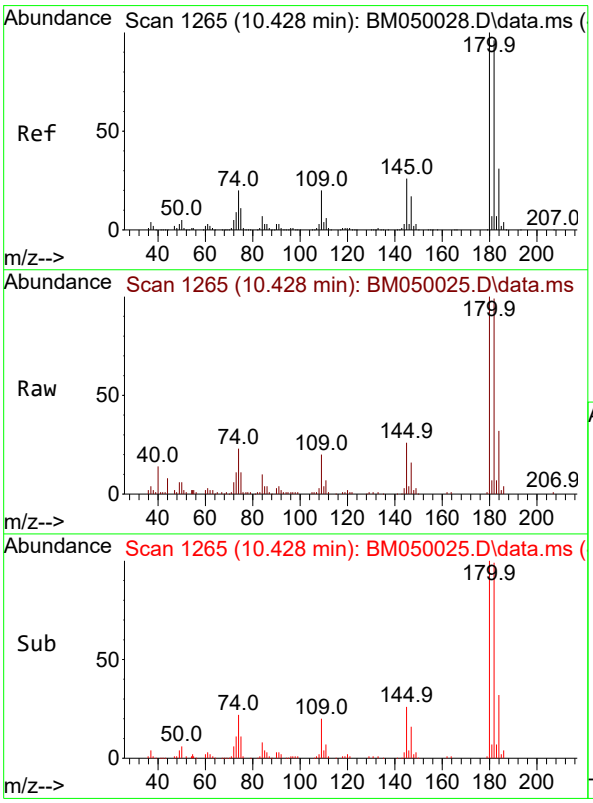
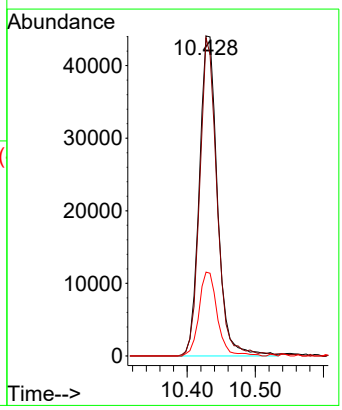
Supervised By :Jagrut Upadhyay 04/29/2025

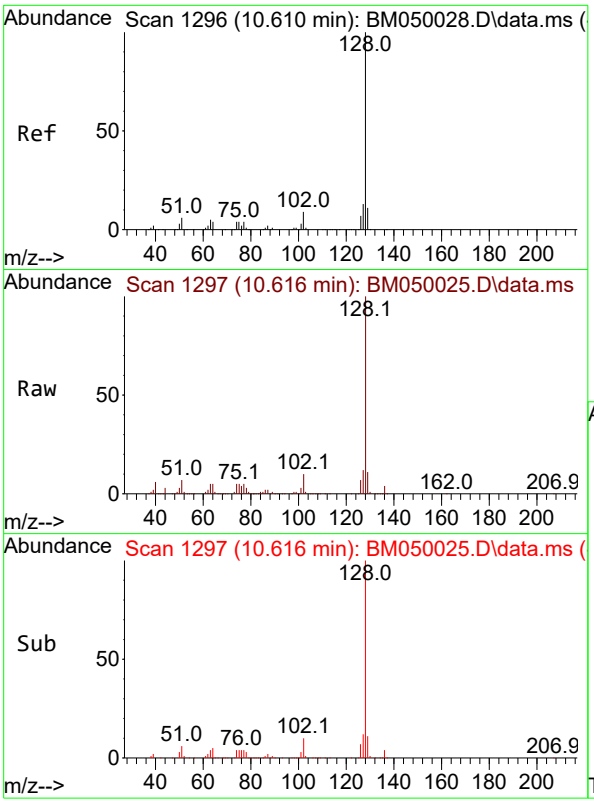


#30
1,2,4-Trichlorobenzene
Concen: 4.934 ng
RT: 10.428 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:180 Resp: 81624

Ion	Ratio	Lower	Upper
180	100		
182	99.4	77.0	115.4
145	26.2	20.6	30.8

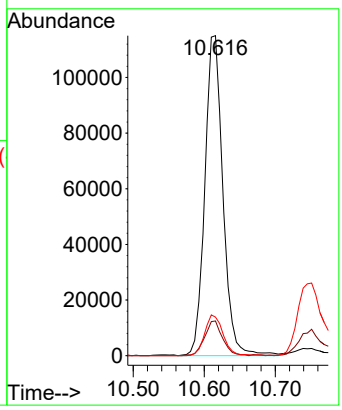




#31
Naphthalene
Concen: 4.944 ng
RT: 10.616 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:128 Resp: 20413

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	12.0	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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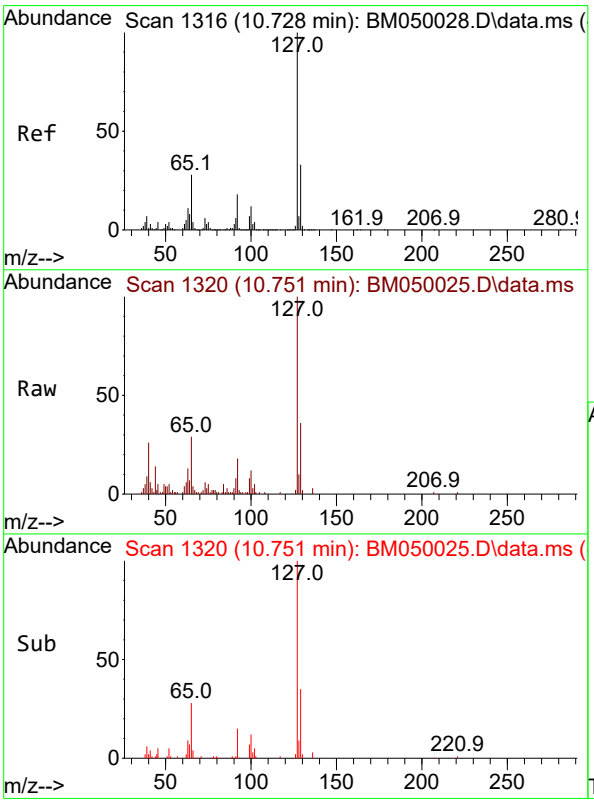
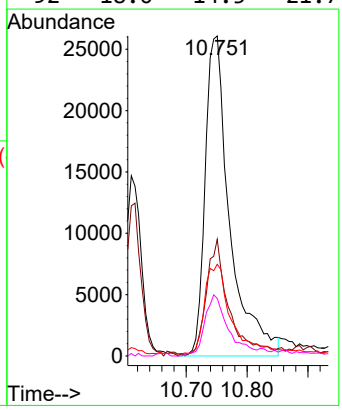
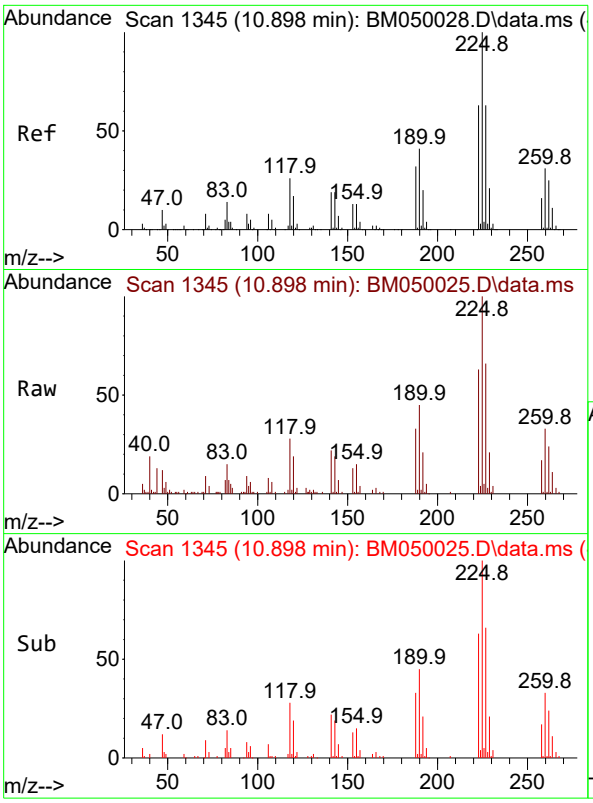


#33
4-Chloroaniline
Concen: 4.345 ng
RT: 10.751 min Scan# 1320
Delta R.T. 0.023 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:127 Resp: 73542

Ion	Ratio	Lower	Upper
127	100		
129	36.4	26.3	39.5
65	28.6	22.5	33.7
92	18.0	14.5	21.7

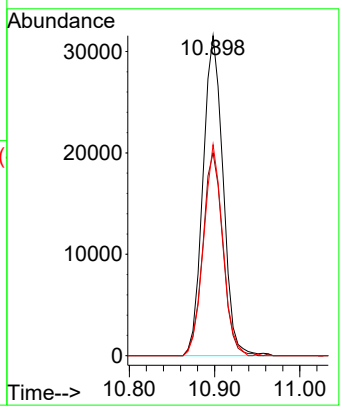




#34
Hexachlorobutadiene
Concen: 4.907 ng
RT: 10.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:225 Resp: 5152

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.2	75.2
227	65.9	50.6	76.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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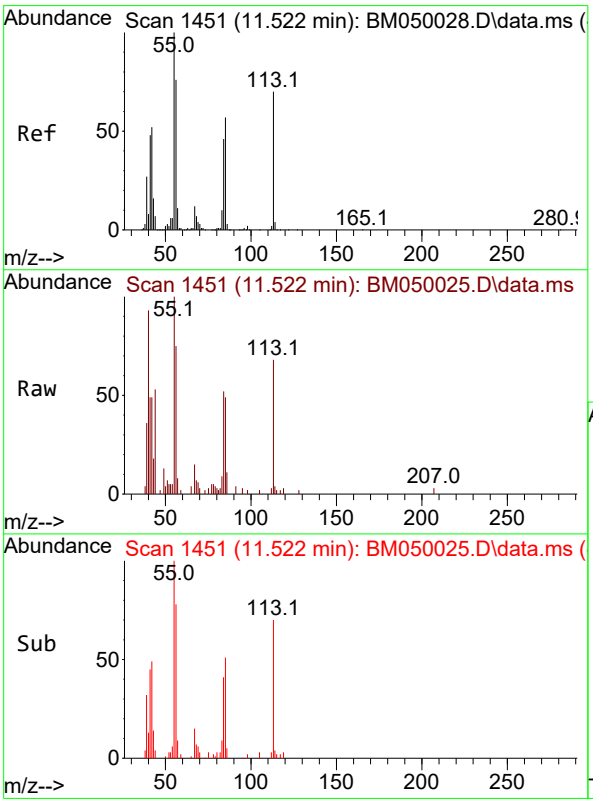
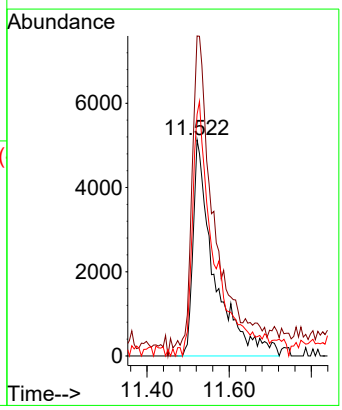
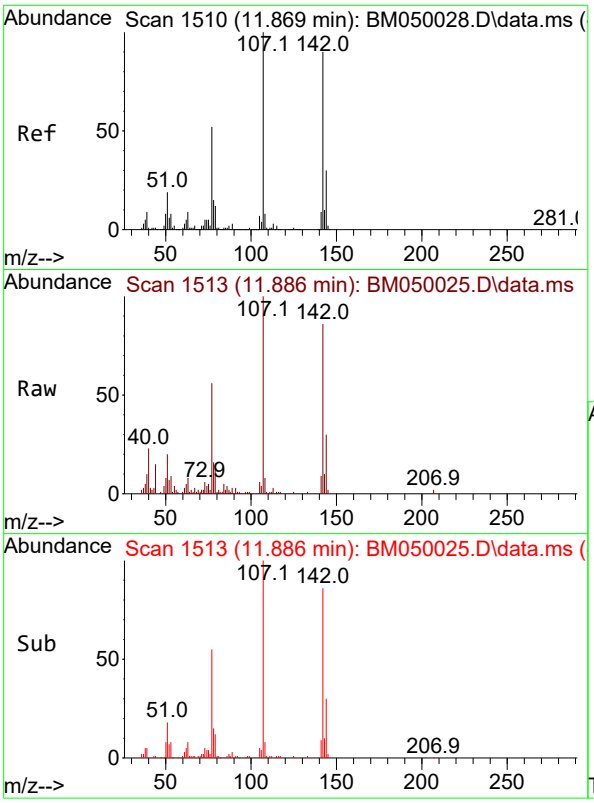


#35
Caprolactam
Concen: 4.634 ng m
RT: 11.522 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:113 Resp: 18349

Ion	Ratio	Lower	Upper
113	100		
55	148.1	122.9	162.9
56	111.8	88.1	128.1

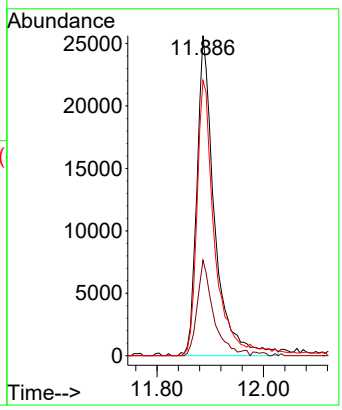




#36
4-Chloro-3-methylphenol
Concen: 4.690 ng
RT: 11.886 min Scan# 1
Delta R.T. 0.018 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:107 Resp: 5884

Ion	Ratio	Lower	Upper
107	100		
144	29.8	23.8	35.6
142	86.0	71.9	107.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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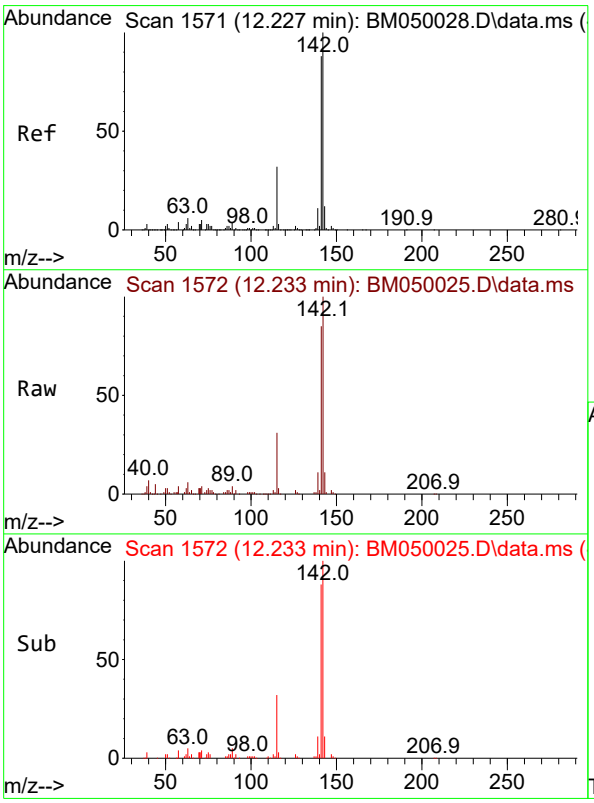
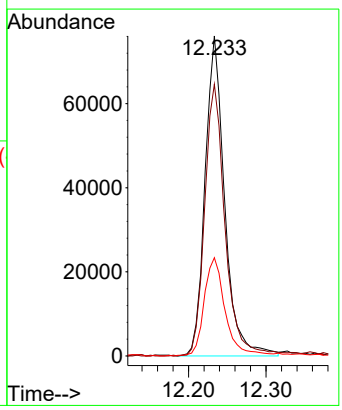
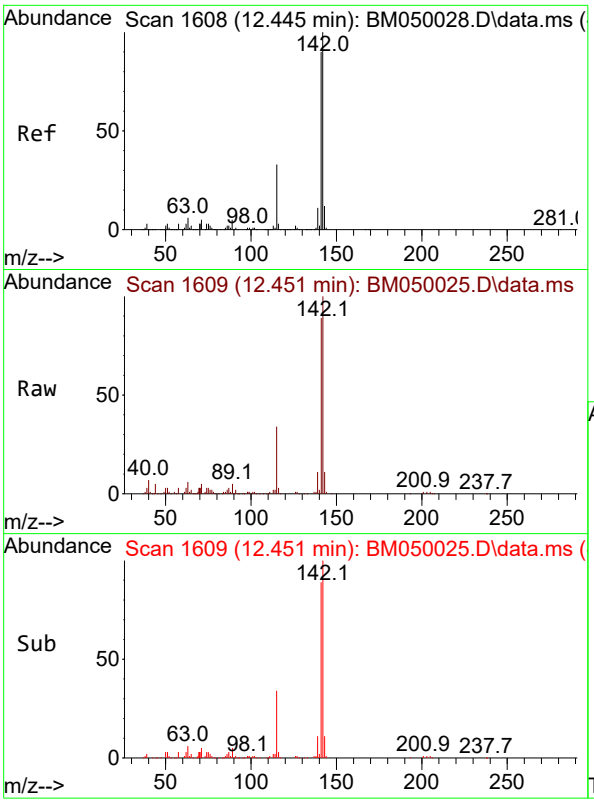


#37
2-Methylnaphthalene
Concen: 4.829 ng
RT: 12.233 min Scan# 1572
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:142 Resp: 133679

Ion	Ratio	Lower	Upper
142	100		
141	84.9	70.4	105.6
115	30.7	25.4	38.2

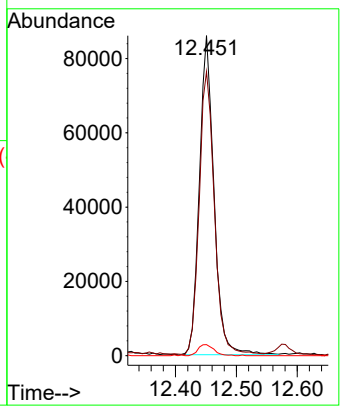




#38
1-Methylnaphthalene
Concen: 4.892 ng
RT: 12.451 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:142 Resp: 14333

Ion	Ratio	Lower	Upper
142	100		
141	88.7	72.1	108.1
116	3.5	2.7	4.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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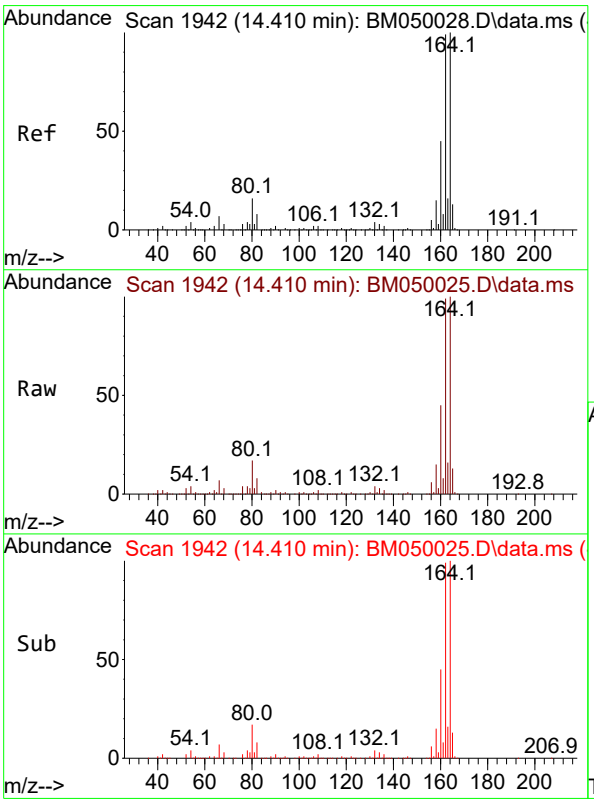
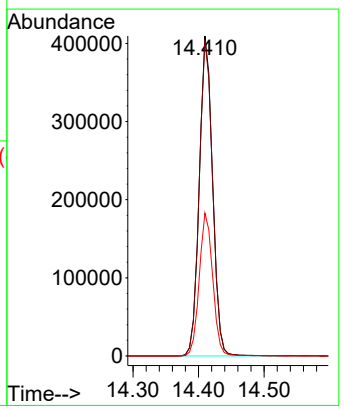
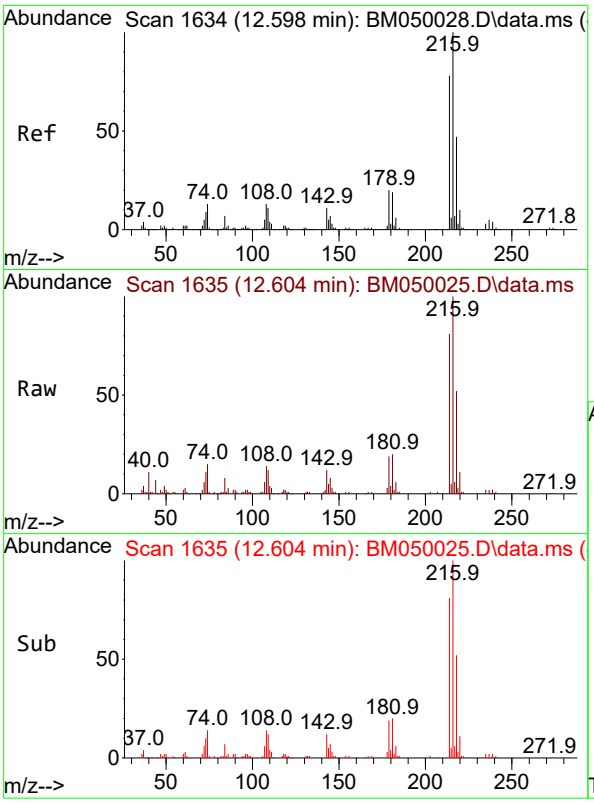


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:164 Resp: 578294

Ion	Ratio	Lower	Upper
164	100		
162	98.6	79.4	119.0
160	44.6	36.2	54.4

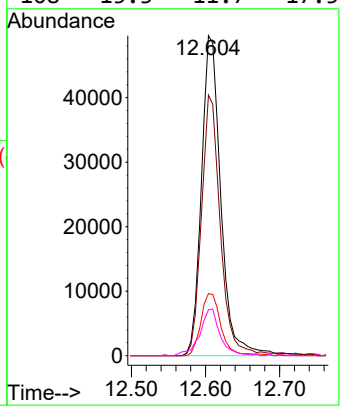




#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.504 ng
RT: 12.604 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:216 Resp: 9016

Ion	Ratio	Lower	Upper
216	100		
214	79.1	62.3	93.5
179	20.2	15.4	23.0
108	15.3	11.7	17.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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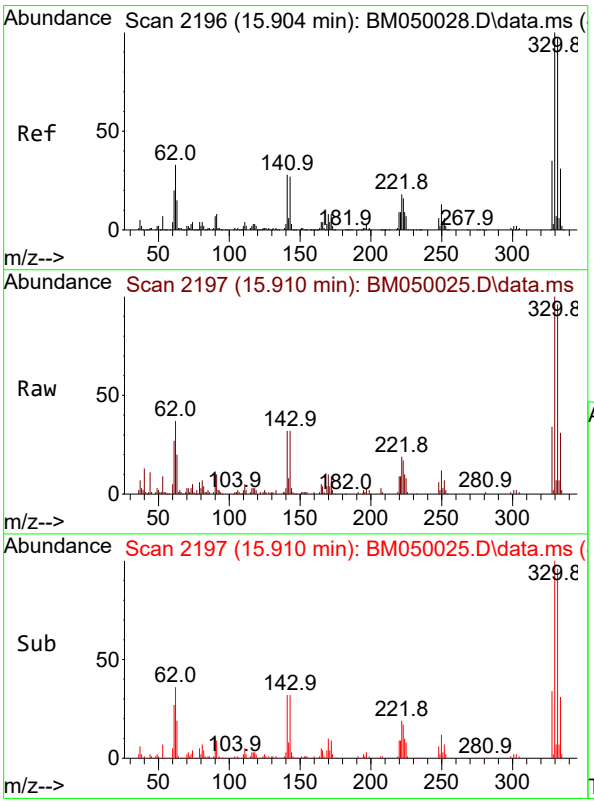
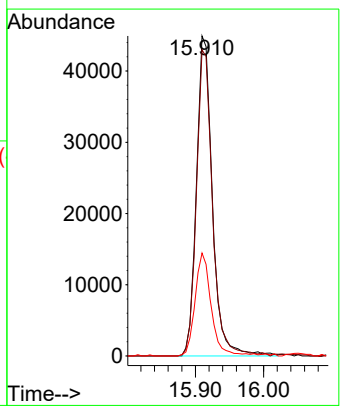
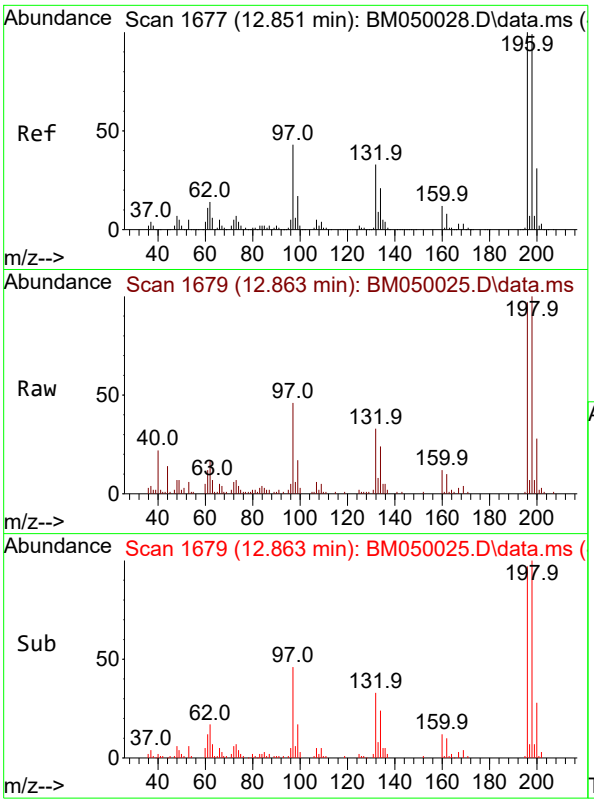


#42
2,4,6-Tribromophenol
Concen: 8.560 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:330 Resp: 73192

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.3	115.9
141	32.6	22.5	33.7

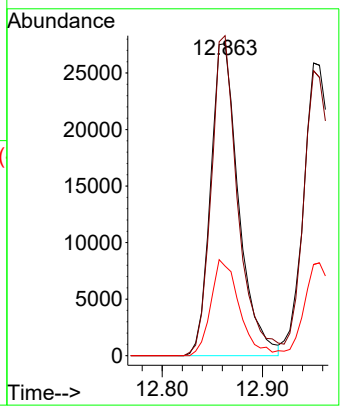




#43
2,4,6-Trichlorophenol
Concen: 4.233 ng
RT: 12.863 min Scan# 1
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:196 Resp: 5374

Ion	Ratio	Lower	Upper
196	100		
198	102.6	79.0	118.6
200	28.7	25.1	37.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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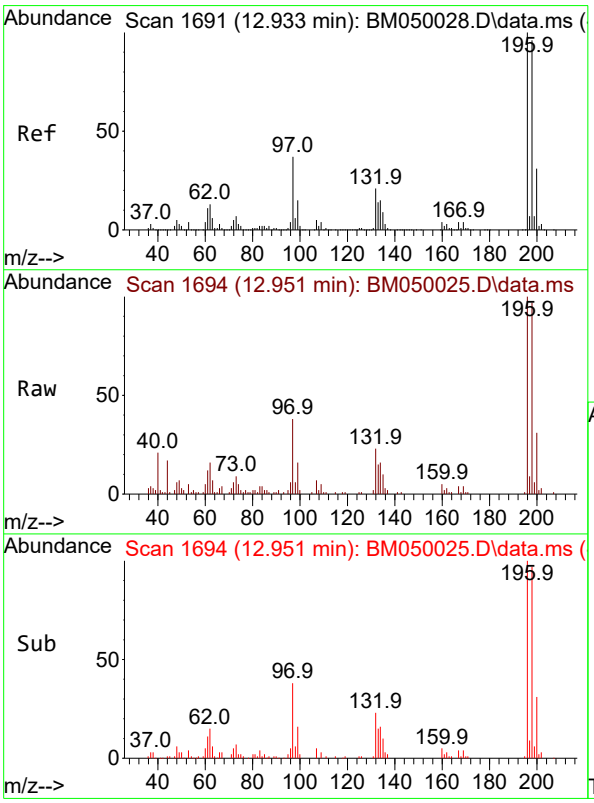
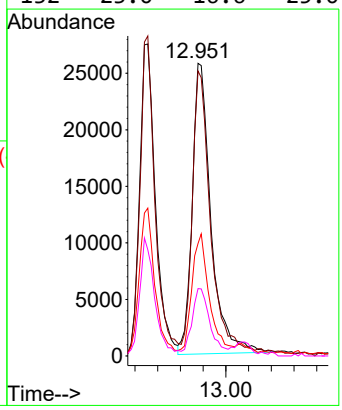
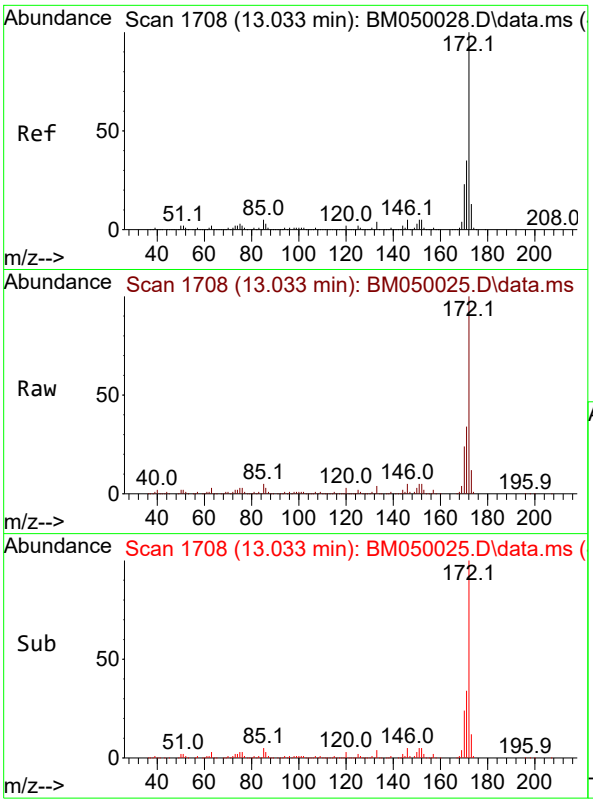


#44
2,4,5-Trichlorophenol
Concen: 4.325 ng
RT: 12.951 min Scan# 1694
Delta R.T. 0.018 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:196 Resp: 59224

Ion	Ratio	Lower	Upper
196	100		
198	97.4	76.7	115.1
97	38.4	30.1	45.1
132	23.0	16.6	25.0

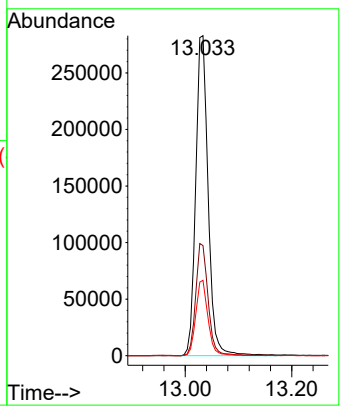




#45
2-Fluorobiphenyl
Concen: 9.390 ng
RT: 13.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:172 Resp: 45903

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.8	41.6
170	23.5	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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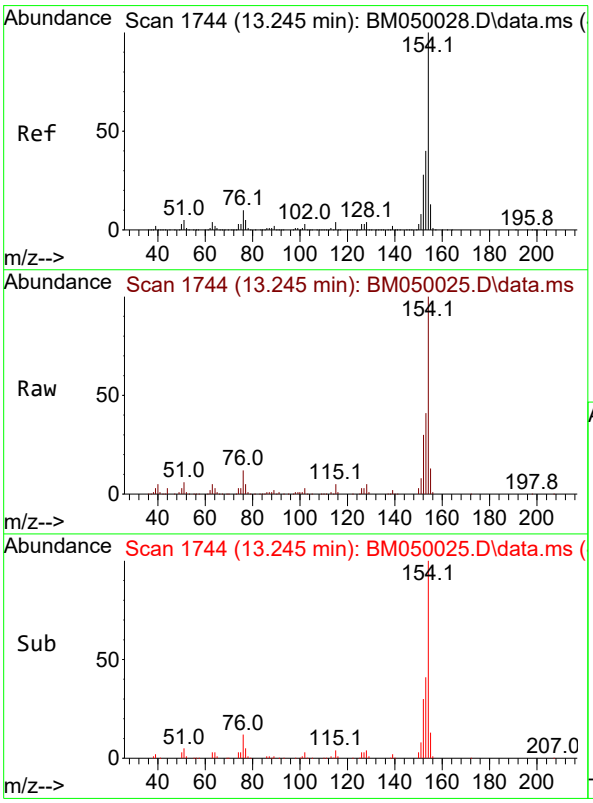
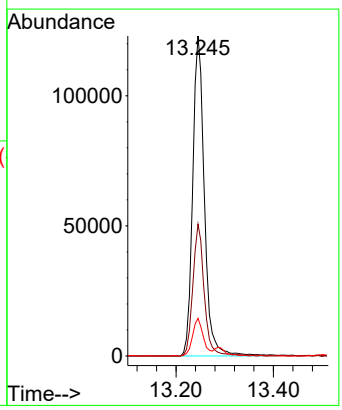
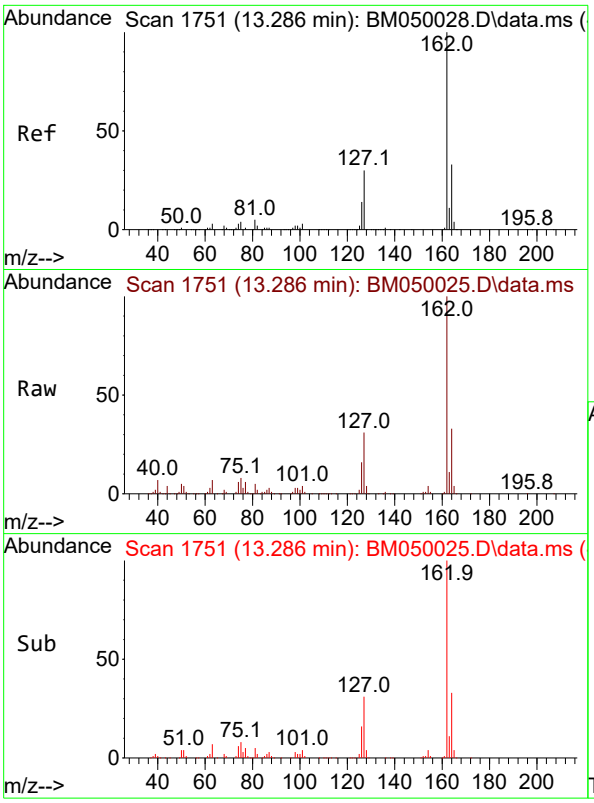


#46
1,1'-Biphenyl
Concen: 4.799 ng
RT: 13.245 min Scan# 1744
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:154 Resp: 206296

Ion	Ratio	Lower	Upper
154	100		
153	41.2	20.0	60.0
76	11.8	0.0	30.3

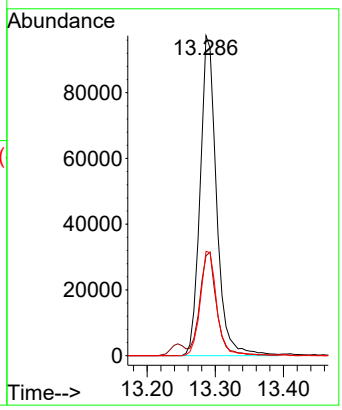




#47
2-Chloronaphthalene
Concen: 4.782 ng
RT: 13.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:162 Resp: 16280

Ion	Ratio	Lower	Upper
162	100		
127	31.2	25.9	38.9
164	32.6	26.6	40.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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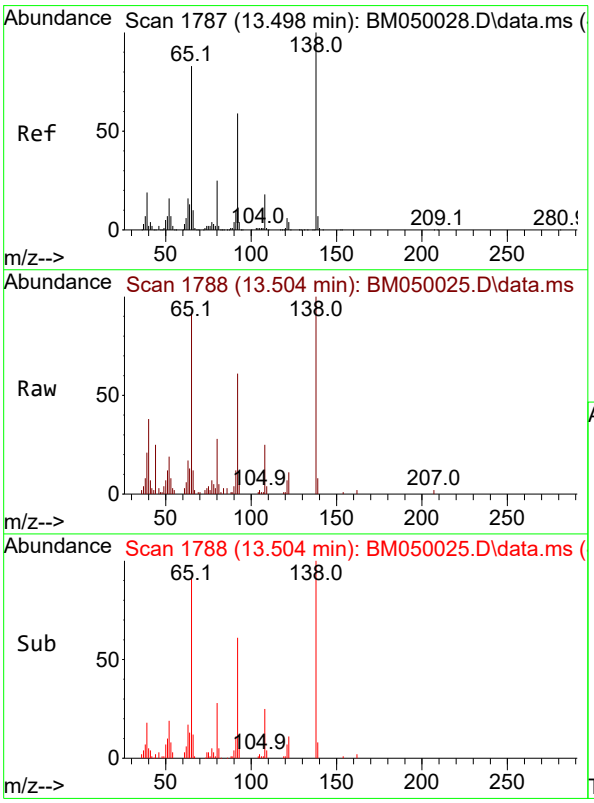
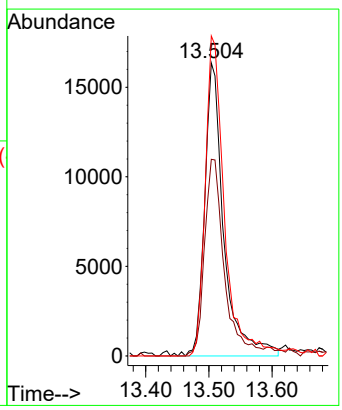
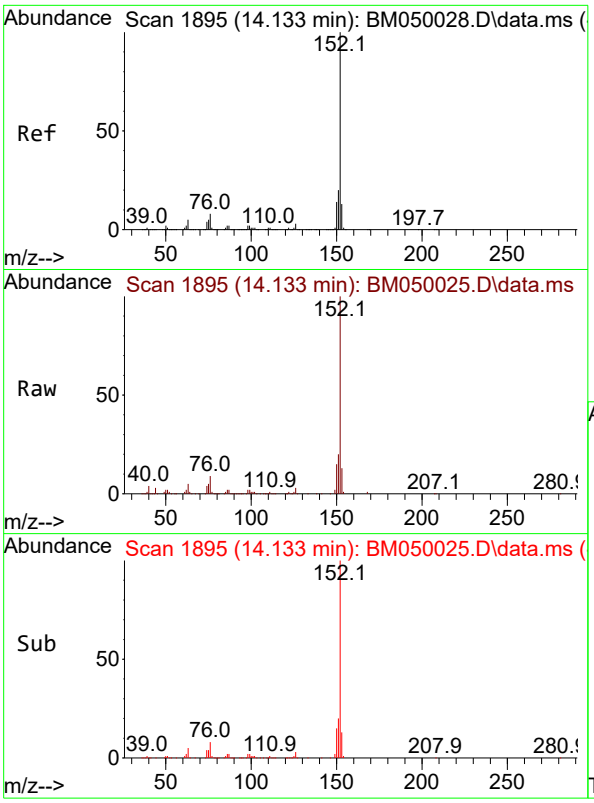


#48
2-Nitroaniline
Concen: 4.299 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 65 Resp: 34348

Ion	Ratio	Lower	Upper
65	100		
92	67.1	57.1	85.7
138	109.2	97.0	145.4

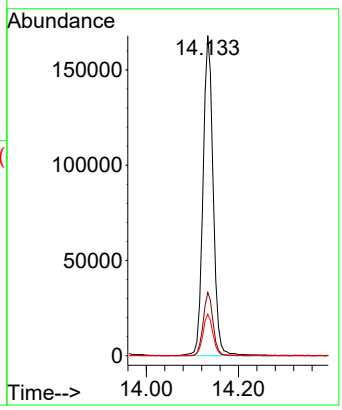




#49
Acenaphthylene
Concen: 4.832 ng
RT: 14.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:152 Resp: 25940

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	12.9	10.6	15.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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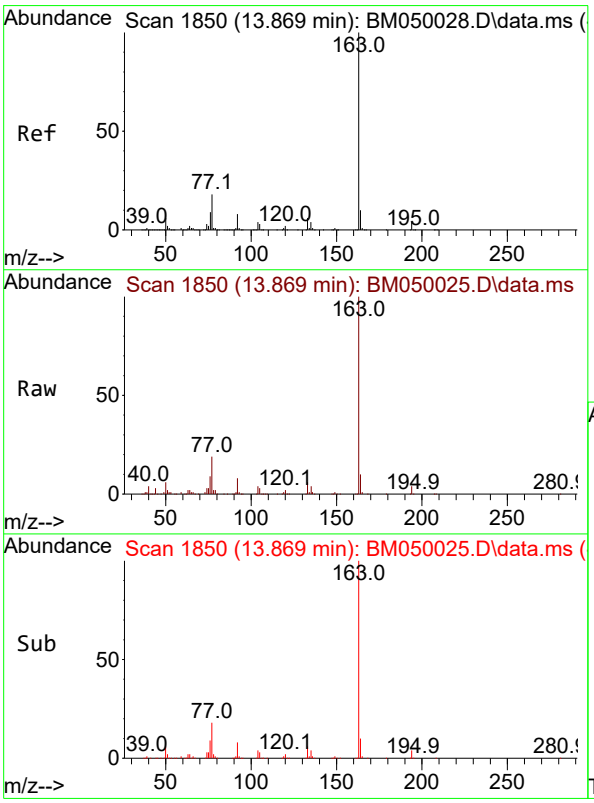
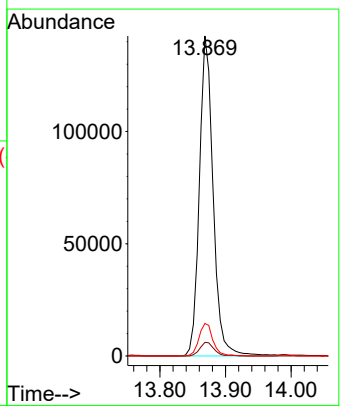
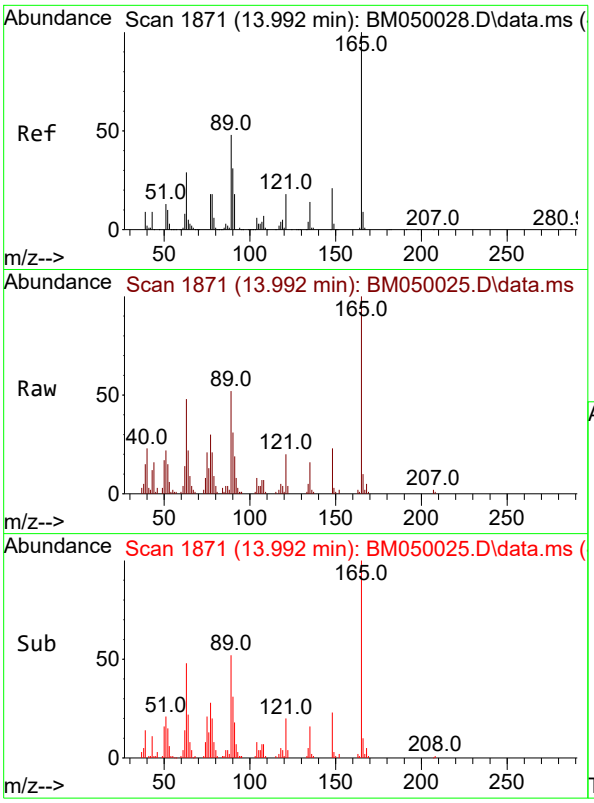


#50
Dimethylphthalate
Concen: 4.941 ng
RT: 13.869 min Scan# 1850
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:163 Resp: 208800

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.2	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 4.395 ng
RT: 13.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:165 Resp: 3845

Ion	Ratio	Lower	Upper
165	100		
63	48.5	35.1	52.7
89	51.9	38.4	57.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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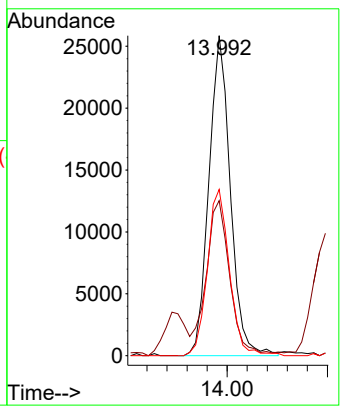
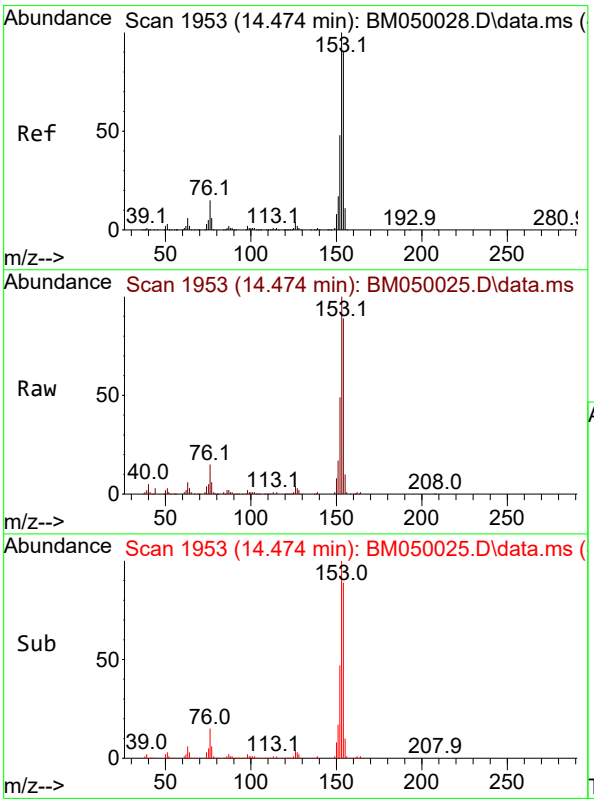
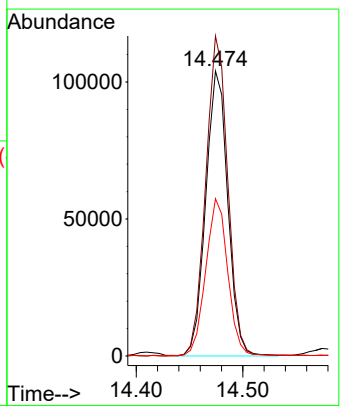


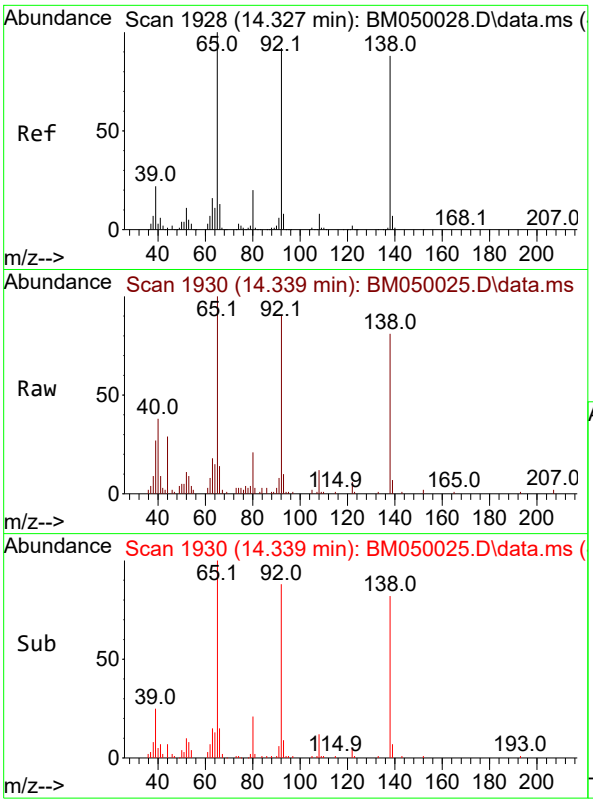


#52
Acenaphthene
Concen: 4.829 ng
RT: 14.474 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:154 Resp: 150042

Ion	Ratio	Lower	Upper
154	100		
153	112.3	89.0	133.4
152	55.2	43.0	64.6





#53
3-Nitroaniline
Concen: 4.036 ng
RT: 14.339 min Scan# 1
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:138 Resp: 3371

Ion	Ratio	Lower	Upper
138	100		
108	15.1	7.4	11.2
92	110.8	84.0	126.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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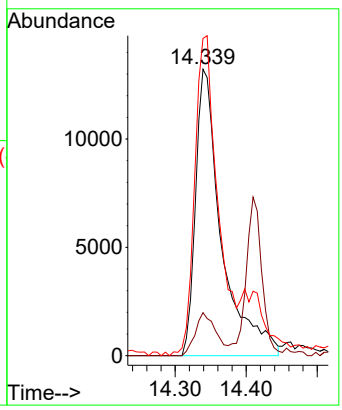
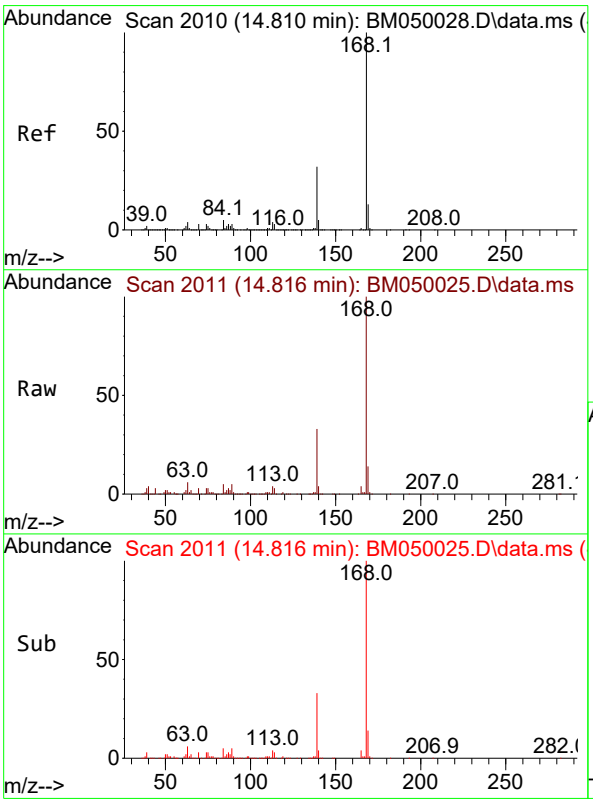
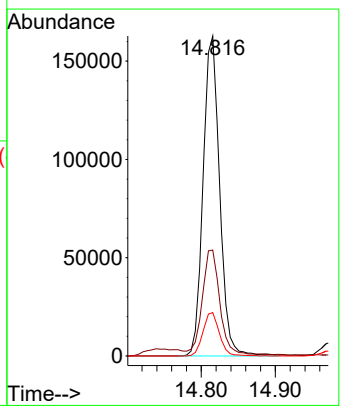


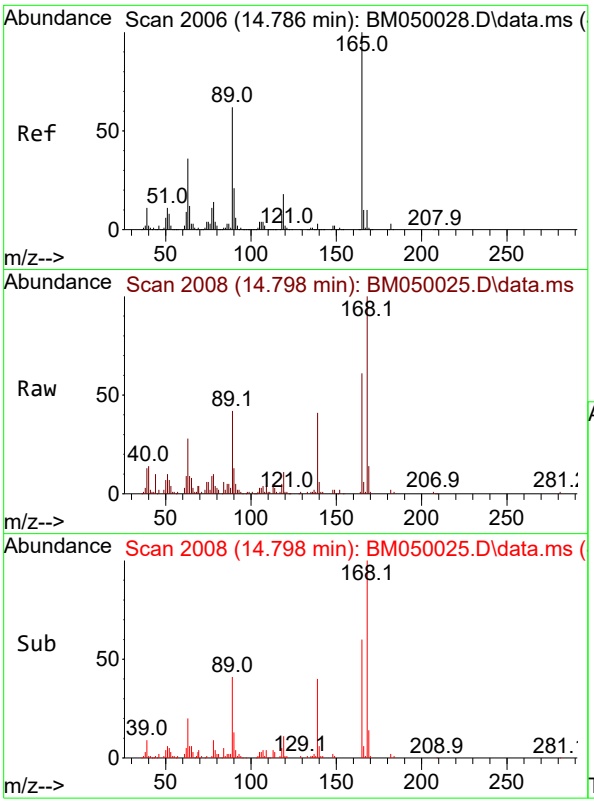


#55
Dibenzofuran
Concen: 4.892 ng
RT: 14.816 min Scan# 2011
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:168 Resp: 252898

Ion	Ratio	Lower	Upper
168	100		
139	33.1	26.1	39.1
169	13.5	10.8	16.2

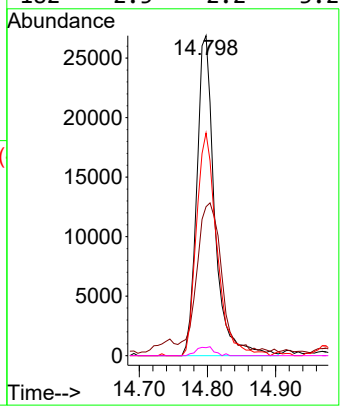




#57
2,4-Dinitrotoluene
Concen: 4.044 ng
RT: 14.798 min Scan# 2
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:165 Resp: 4890

Ion	Ratio	Lower	Upper
165	100		
63	46.6	29.0	43.6
89	69.6	49.4	74.2
182	2.5	2.2	3.2



Instrument :
BNA_M
ClientSampleId :
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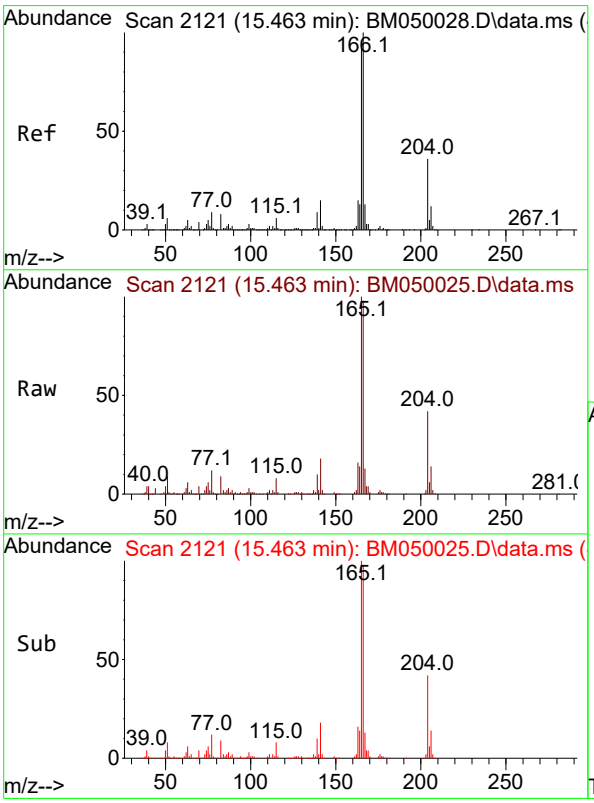
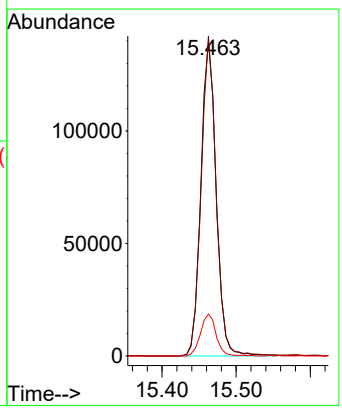
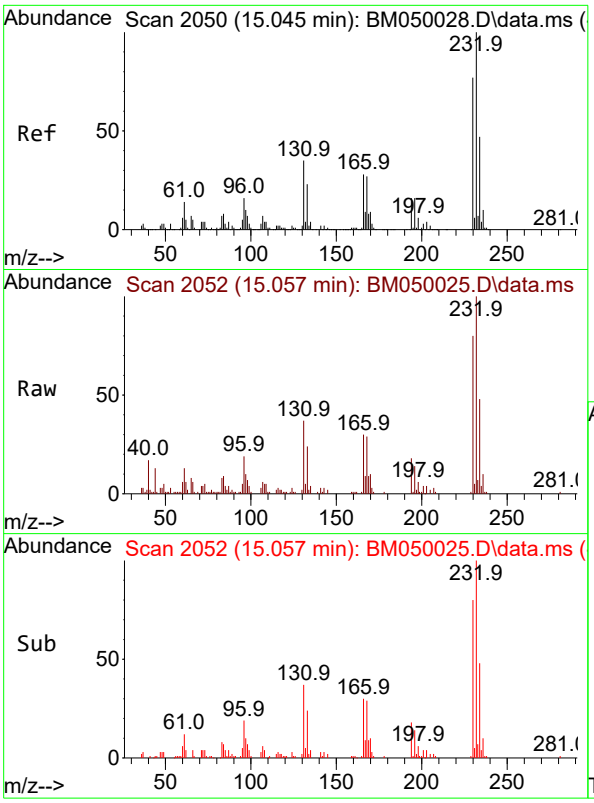


#58
Fluorene
Concen: 4.739 ng
RT: 15.463 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:166 Resp: 200542

Ion	Ratio	Lower	Upper
166	100		
165	101.8	76.6	115.0
167	13.4	10.6	16.0

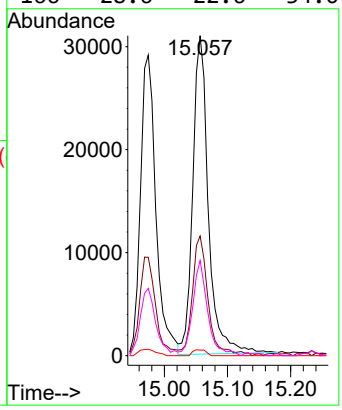




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.463 ng
RT: 15.057 min Scan# 2
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:232 Resp: 5289

Ion	Ratio	Lower	Upper
232	100		
131	38.0	28.2	42.4
130	1.6	1.5	2.3
166	28.6	22.6	34.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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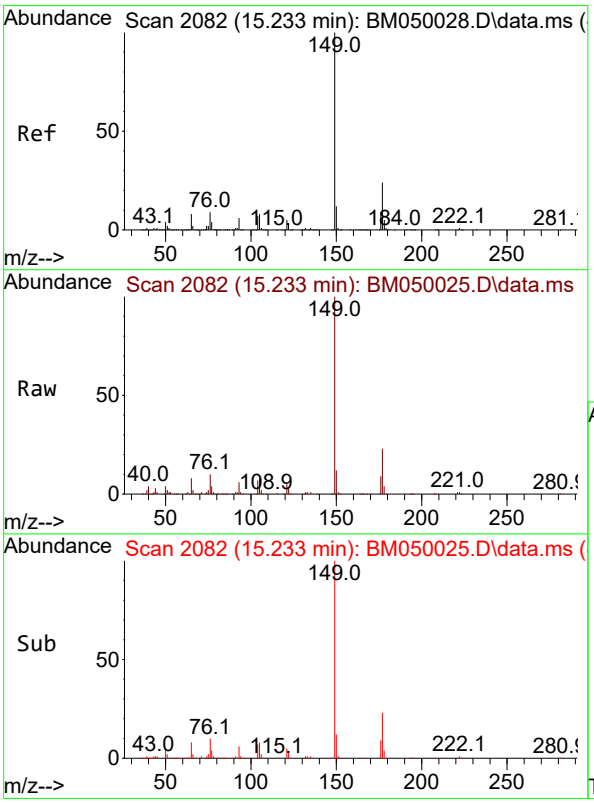
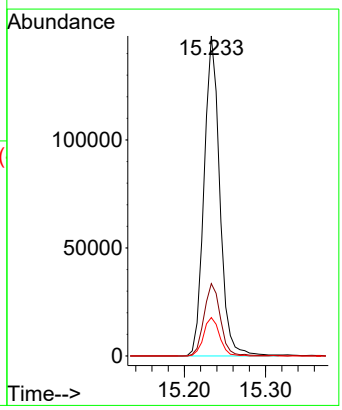
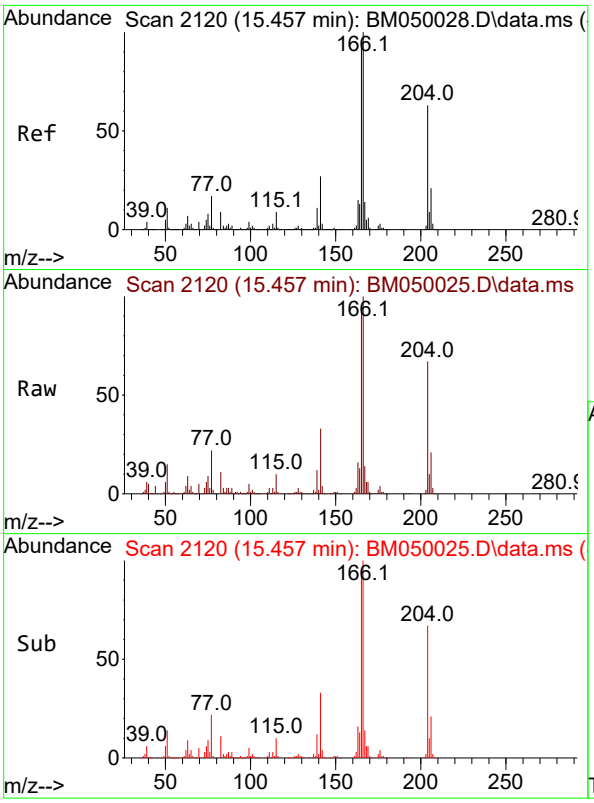


#60
Diethylphthalate
Concen: 4.981 ng
RT: 15.233 min Scan# 2082
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:149 Resp: 198362

Ion	Ratio	Lower	Upper
149	100		
177	22.6	19.1	28.7
150	12.0	9.6	14.4





#61
4-Chlorophenyl-phenylether
Concen: 4.607 ng
RT: 15.457 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:204 Resp: 10708

Ion	Ratio	Lower	Upper
204	100		
206	31.7	26.3	39.5
141	48.5	34.0	51.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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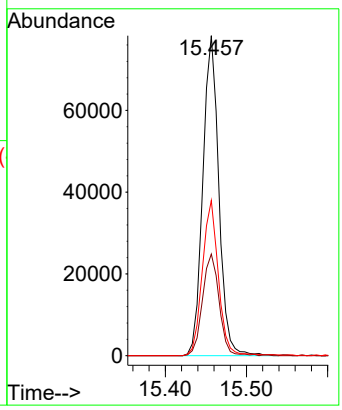
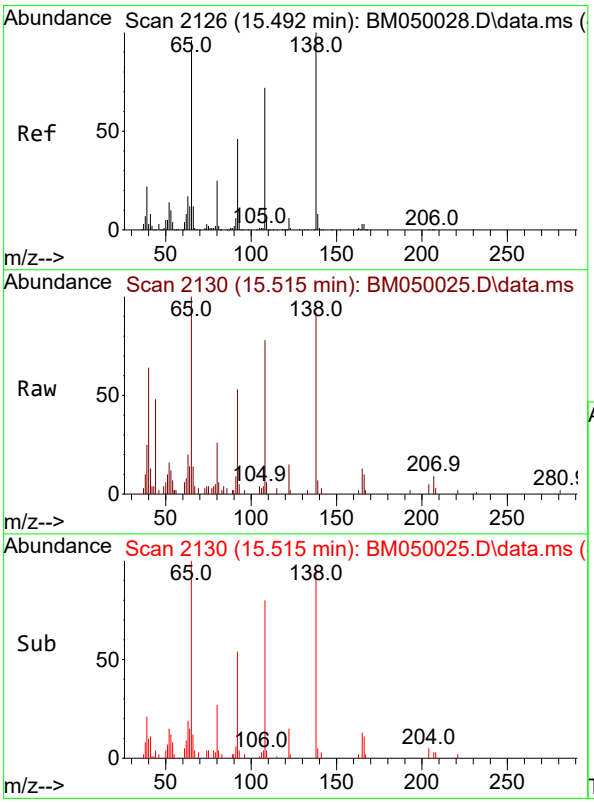
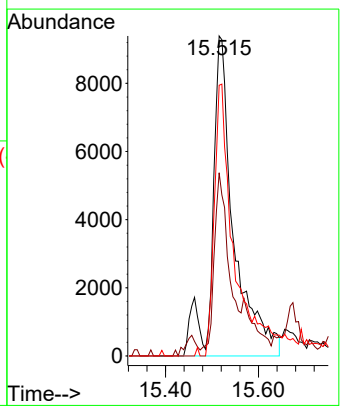


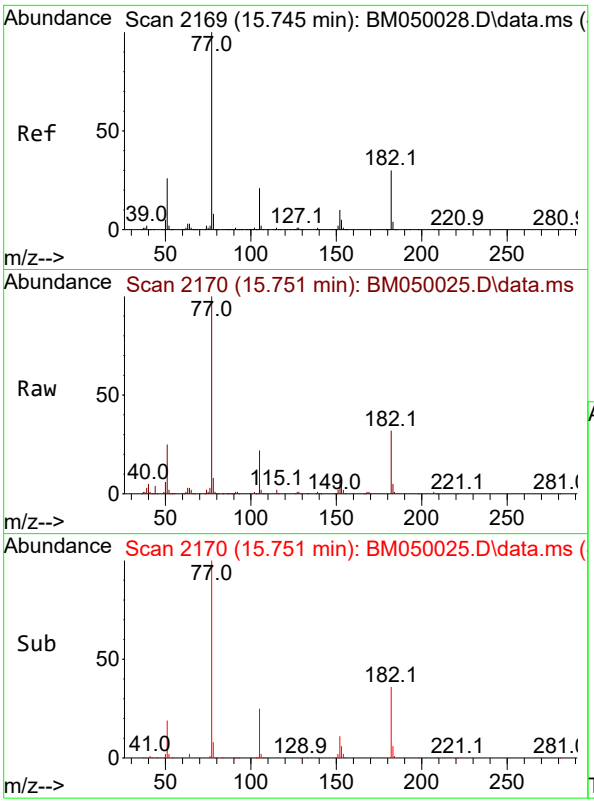


#62
4-Nitroaniline
Concen: 3.737 ng m
RT: 15.515 min Scan# 2130
Delta R.T. 0.023 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:138 Resp: 30138

Ion	Ratio	Lower	Upper
138	100		
92	57.3	25.9	65.9
108	84.6	52.4	92.4

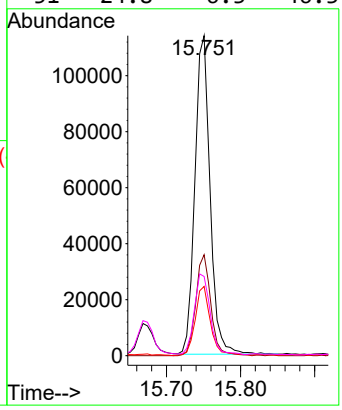




#63
Azobenzene
Concen: 4.844 ng
RT: 15.751 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 77 Resp: 16166

Ion	Ratio	Lower	Upper
77	100		
182	31.6	10.5	50.5
105	21.7	1.1	41.1
51	24.8	6.3	46.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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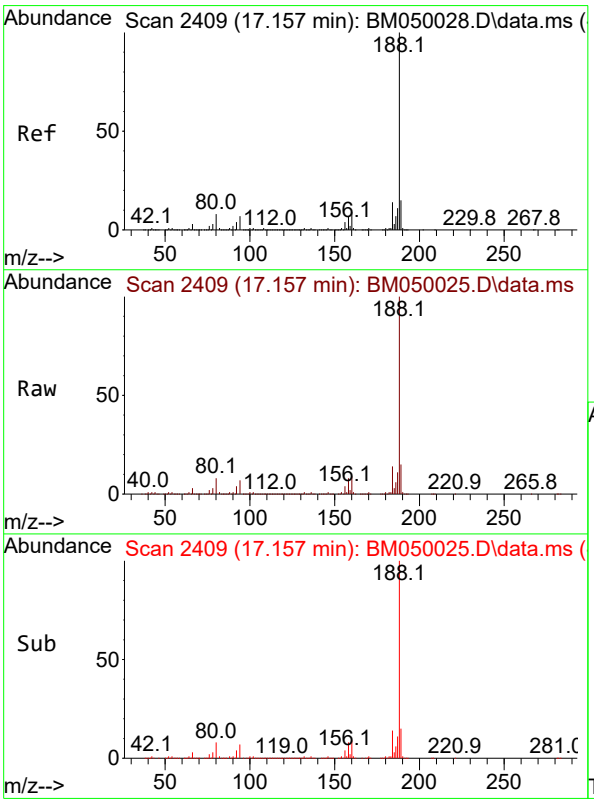
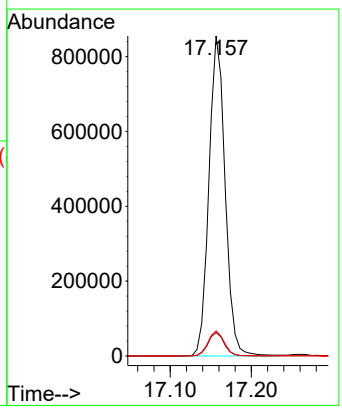
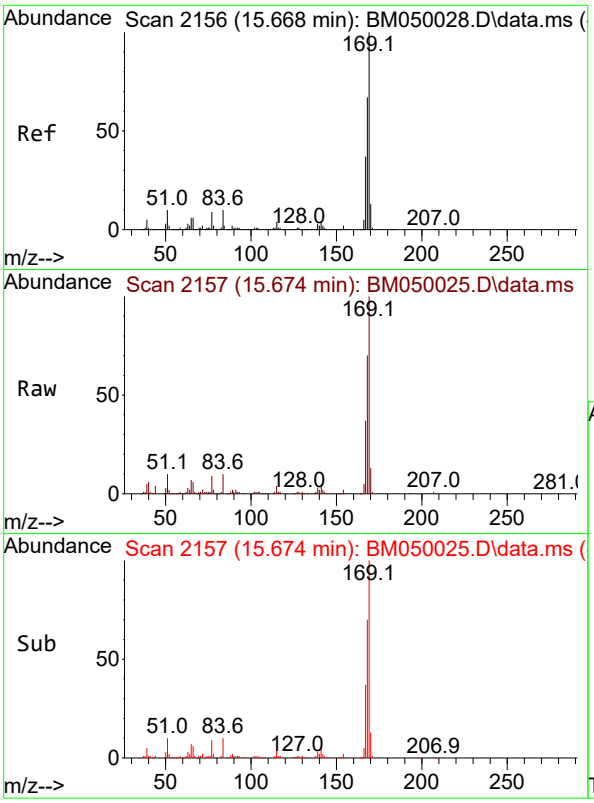


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:188 Resp: 1183325

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.7	8.5
80	7.9	6.2	9.4

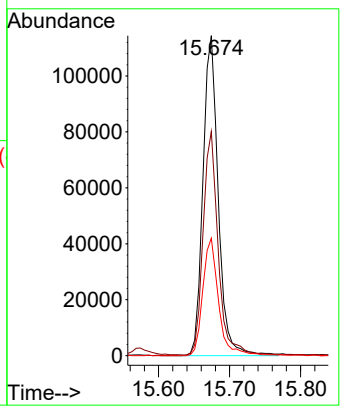




#66
n-Nitrosodiphenylamine
Concen: 4.723 ng
RT: 15.674 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:169 Resp: 17160

Ion	Ratio	Lower	Upper
169	100		
168	70.0	53.4	80.2
167	36.7	29.4	44.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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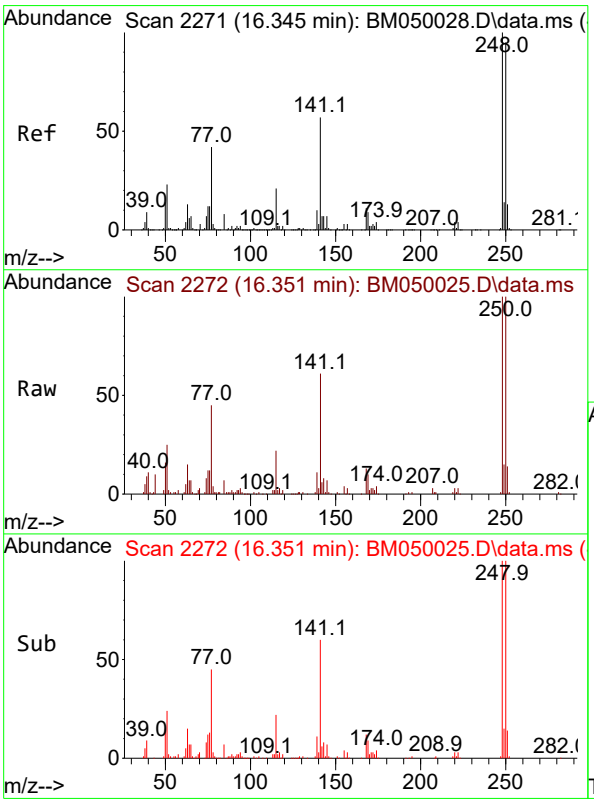
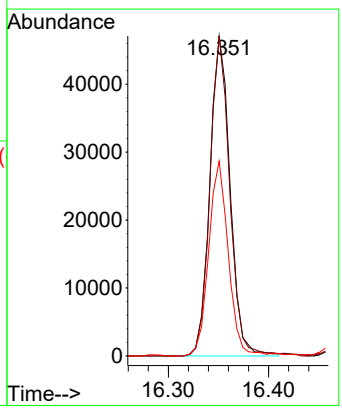
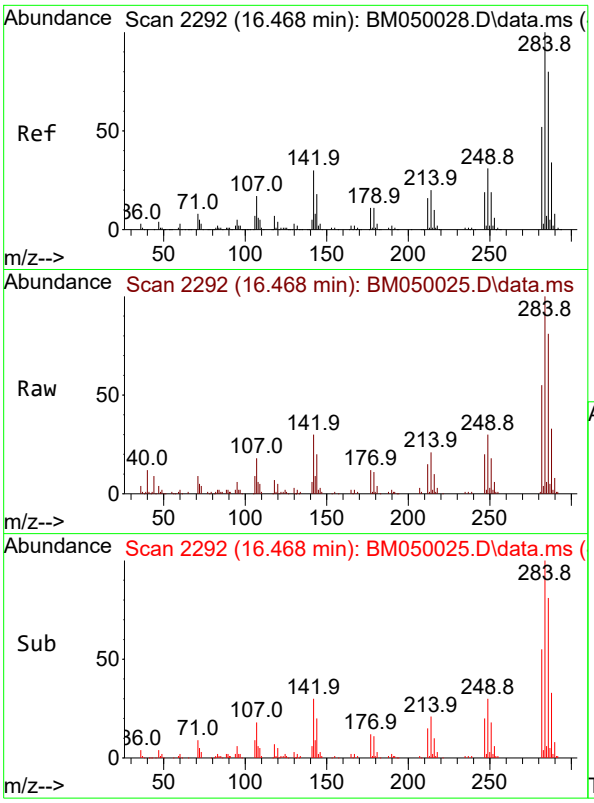


#67
4-Bromophenyl-phenylether
Concen: 4.612 ng
RT: 16.351 min Scan# 2272
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:248 Resp: 66000

Ion	Ratio	Lower	Upper
248	100		
250	99.9	76.2	114.2
141	60.8	45.9	68.9





#68
Hexachlorobenzene
Concen: 4.759 ng
RT: 16.468 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:284 Resp: 7850

Ion	Ratio	Lower	Upper
284	100		
142	30.1	23.9	35.9
249	29.9	24.5	36.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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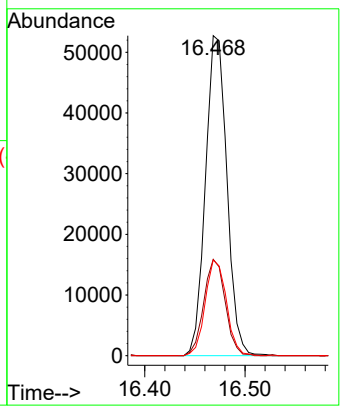
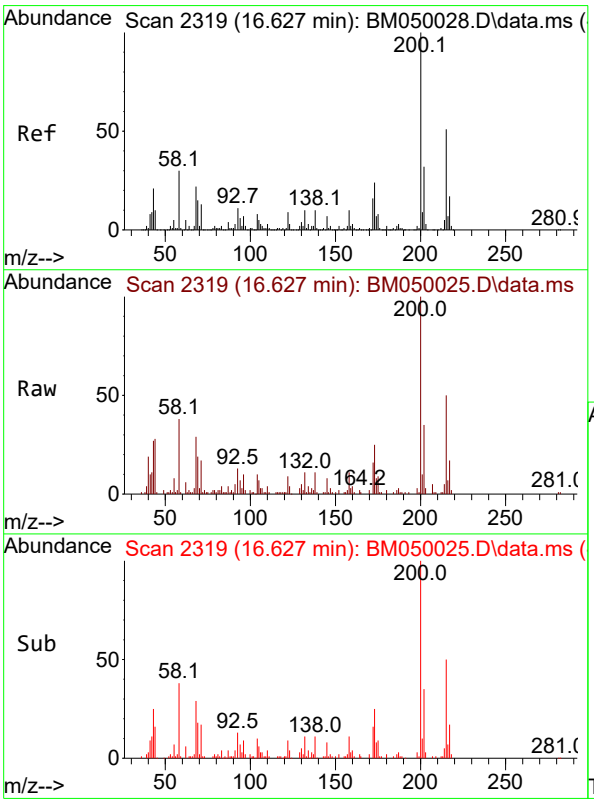
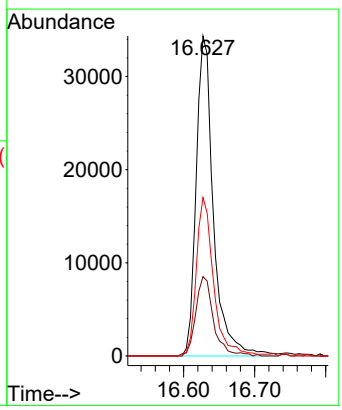


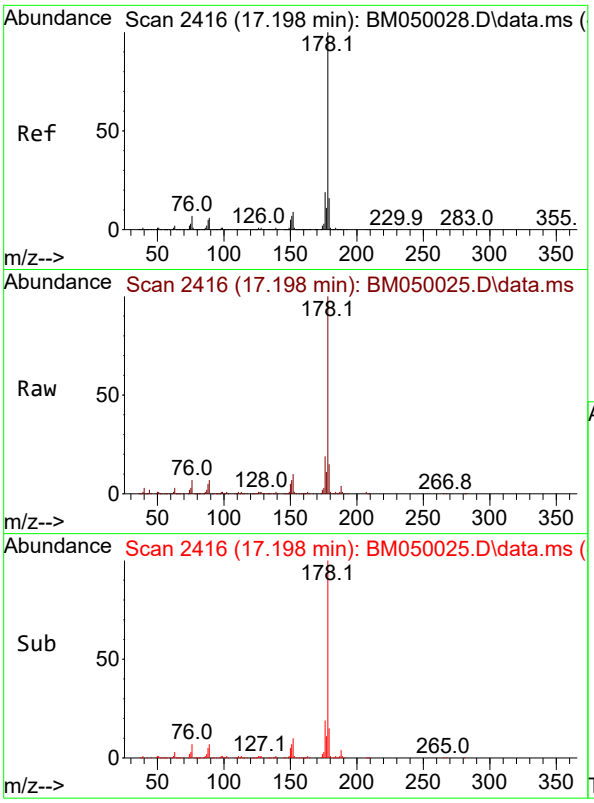


#69
Atrazine
Concen: 4.433 ng
RT: 16.627 min Scan# 2319
Delta R.T. 0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:200 Resp: 58110

Ion	Ratio	Lower	Upper
200	100		
173	24.8	4.3	44.3
215	49.5	30.6	70.6

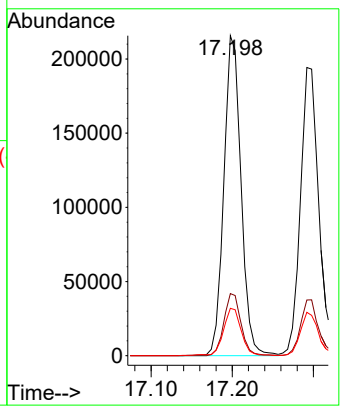




#71
Phenanthrene
Concen: 4.764 ng
RT: 17.198 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:178 Resp: 31795

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	14.8	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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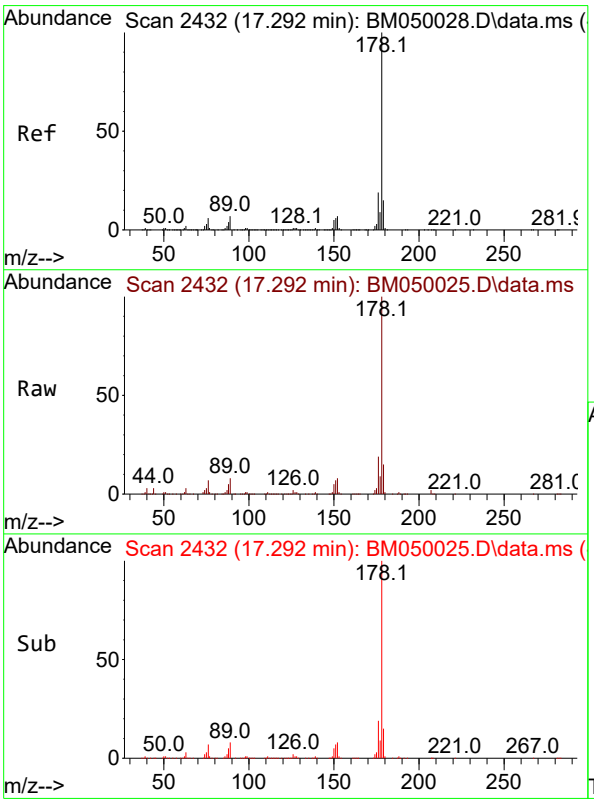
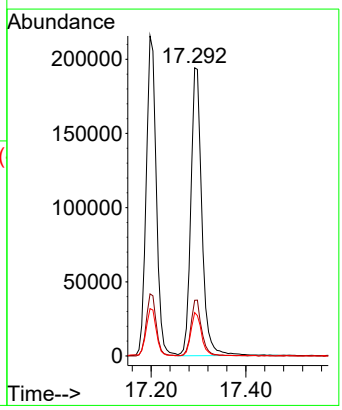
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

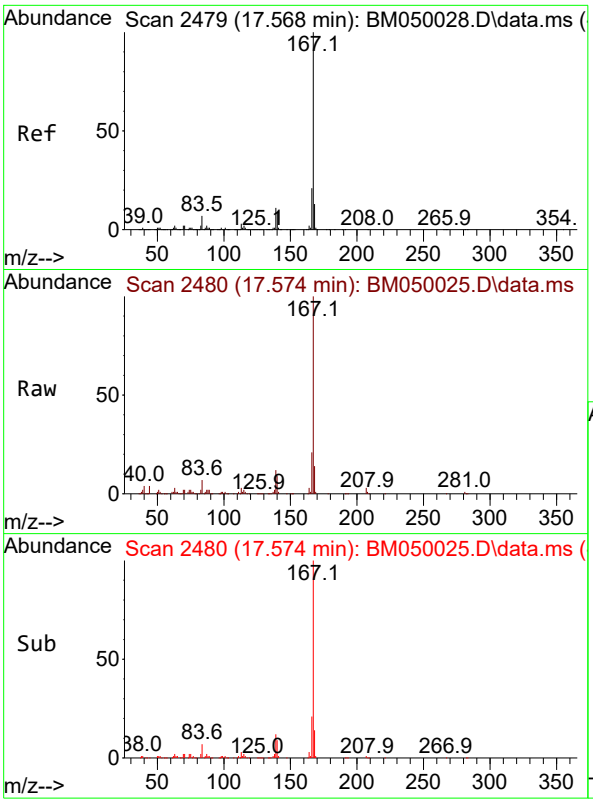


#72
Anthracene
Concen: 4.651 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:178 Resp: 314149

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.0	22.4
179	15.0	12.2	18.4

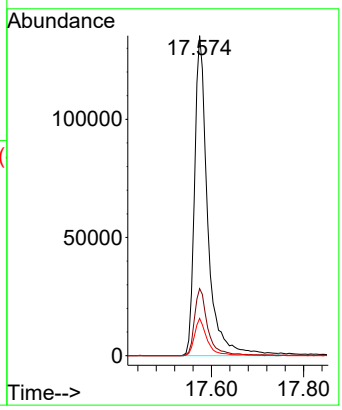




#73
Carbazole
Concen: 4.586 ng
RT: 17.574 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:167 Resp: 26877

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.2	25.8
139	11.7	9.0	13.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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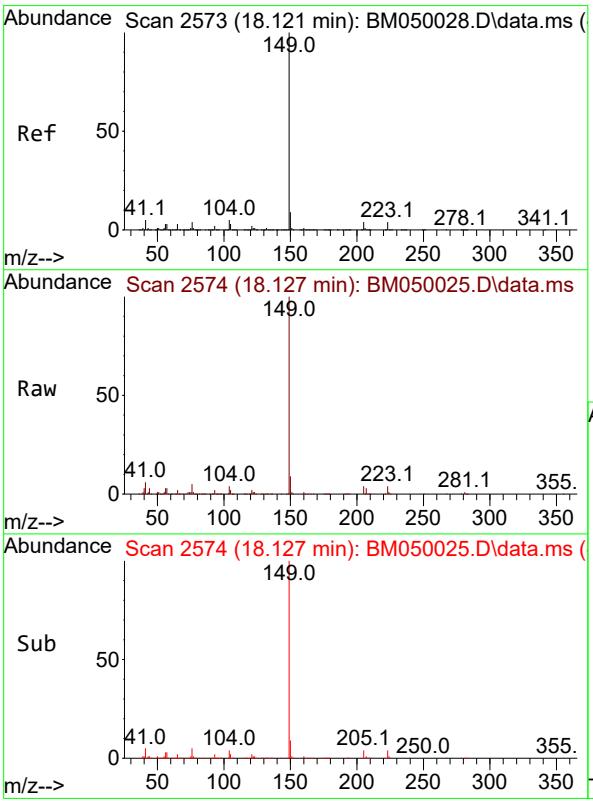
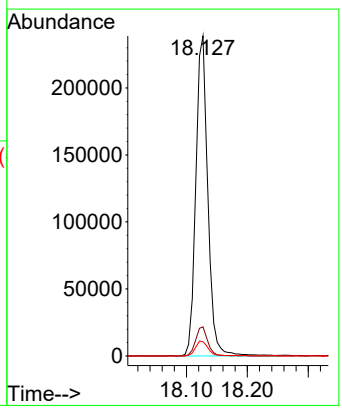
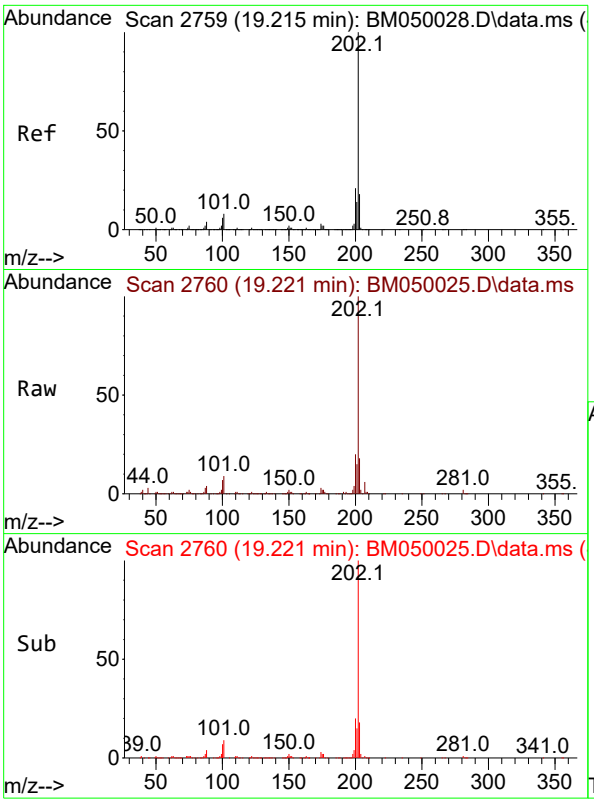


#74
Di-n-butylphthalate
Concen: 4.688 ng
RT: 18.127 min Scan# 2574
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:149 Resp: 327178

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.4	3.8	5.6

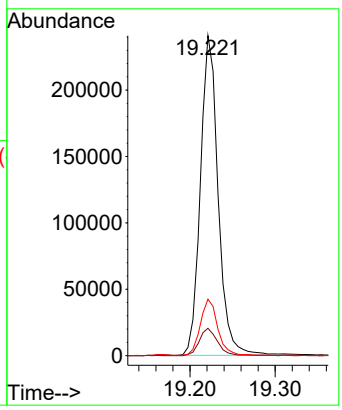




#75
Fluoranthene
Concen: 4.449 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:202 Resp: 34859

Ion	Ratio	Lower	Upper
202	100		
101	8.5	0.0	28.0
203	17.6	0.0	37.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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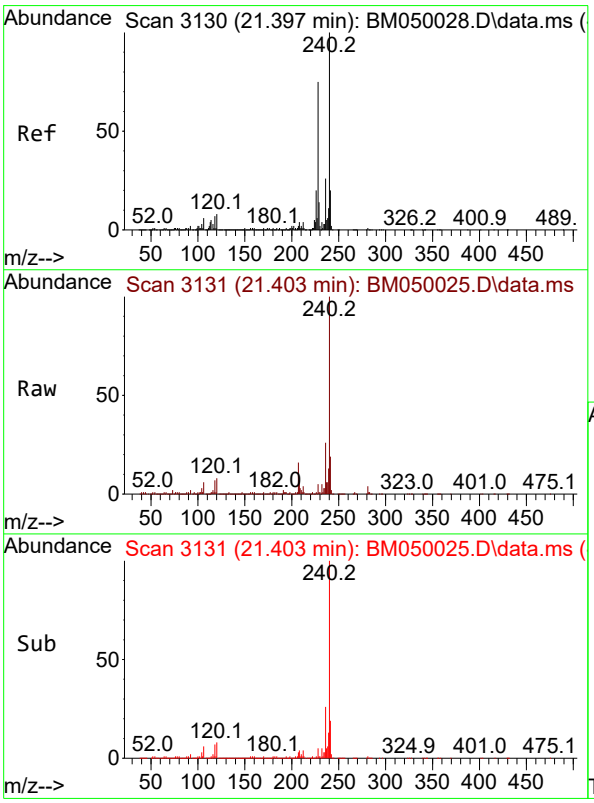
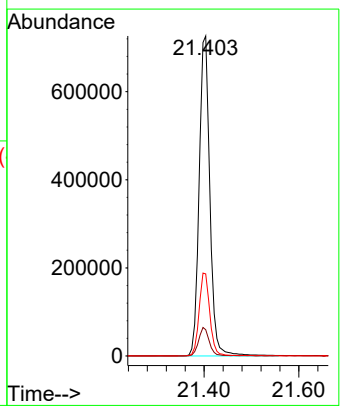
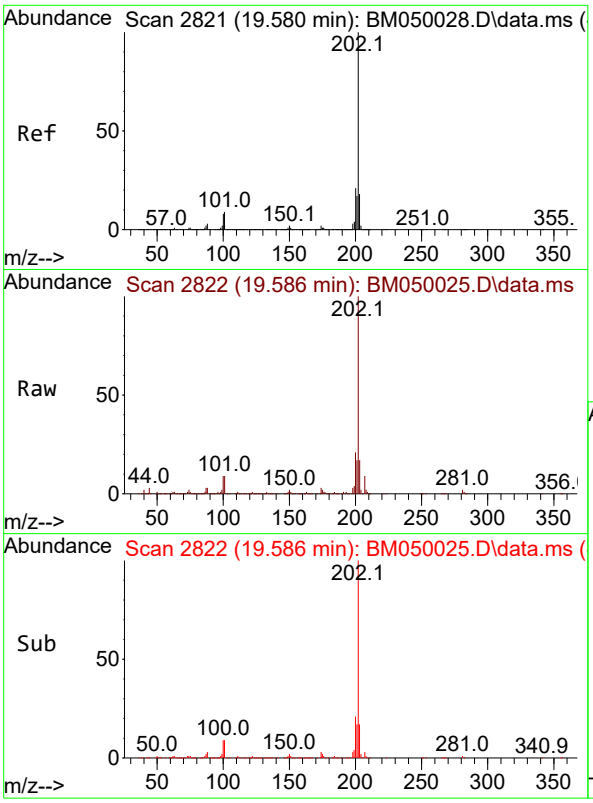


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:240 Resp: 1136162

Ion	Ratio	Lower	Upper
240	100		
120	8.2	6.5	9.7
236	25.6	20.9	31.3

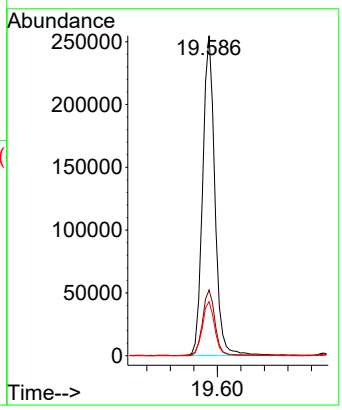




#78
Pyrene
Concen: 4.593 ng
RT: 19.586 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:202 Resp: 36647

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.7	25.1
203	16.9	14.1	21.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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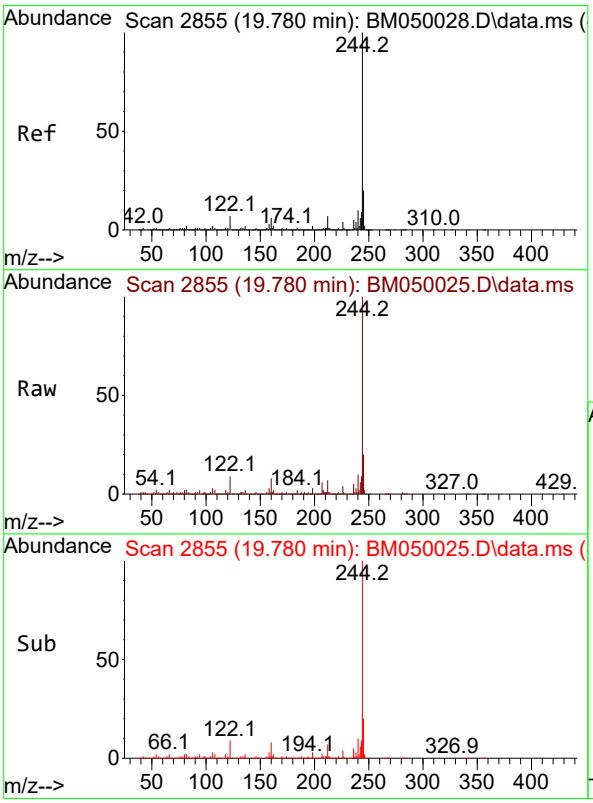
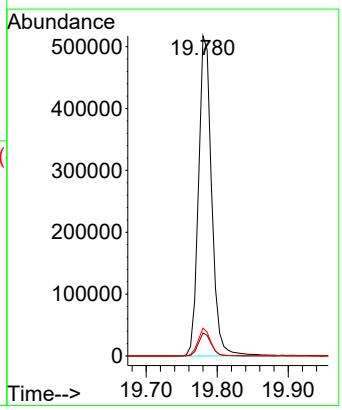
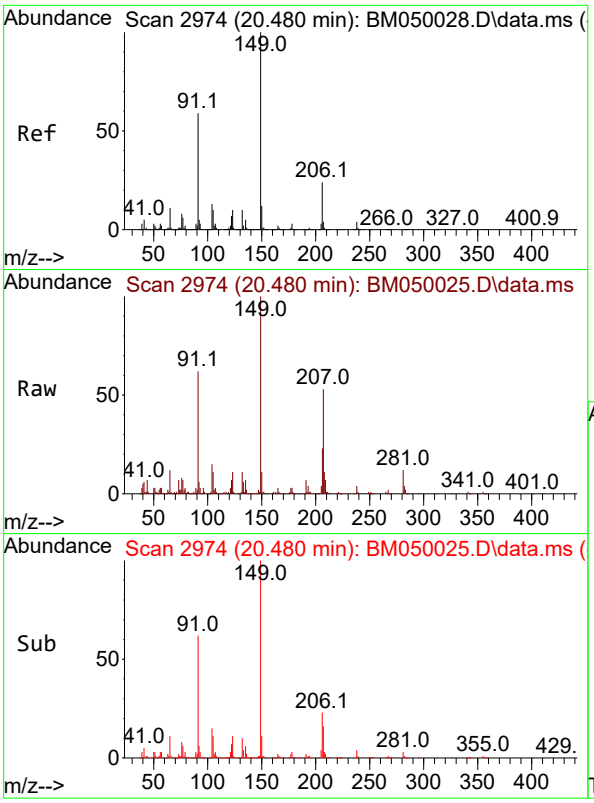


#79
Terphenyl-d14
Concen: 8.704 ng
RT: 19.780 min Scan# 2855
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:244 Resp: 668289

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	8.7	5.6	8.4#

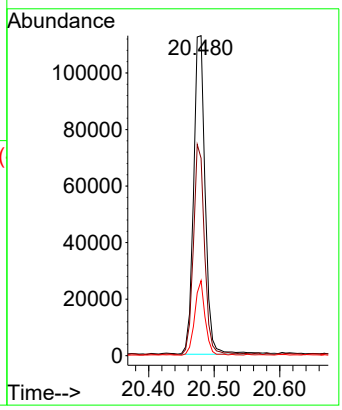




#80
Butylbenzylphthalate
Concen: 4.646 ng
RT: 20.480 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:149 Resp: 13882

Ion	Ratio	Lower	Upper
149	100		
91	61.7	47.4	71.2
206	23.4	19.4	29.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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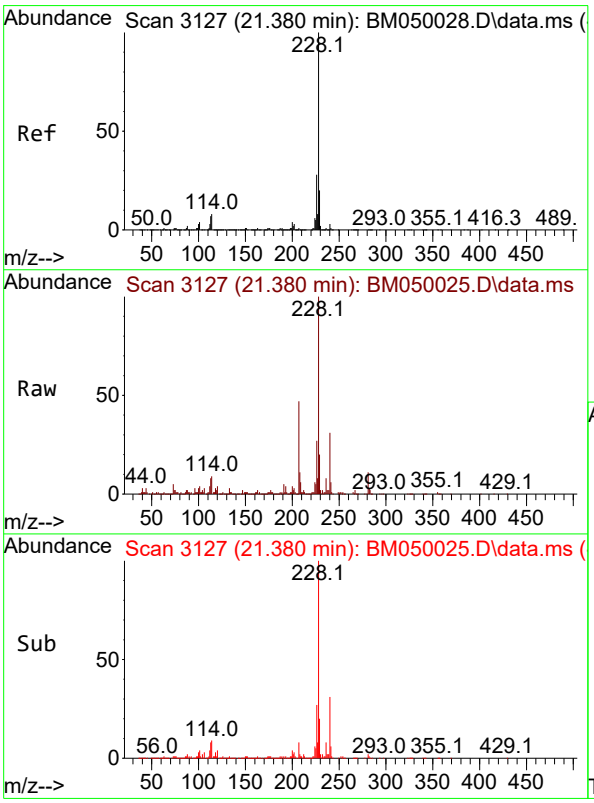
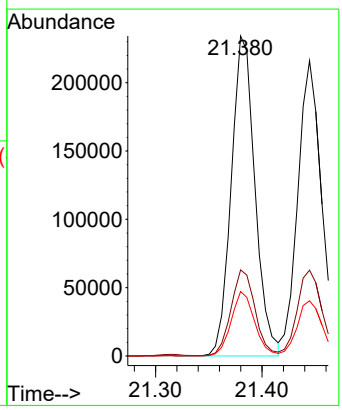
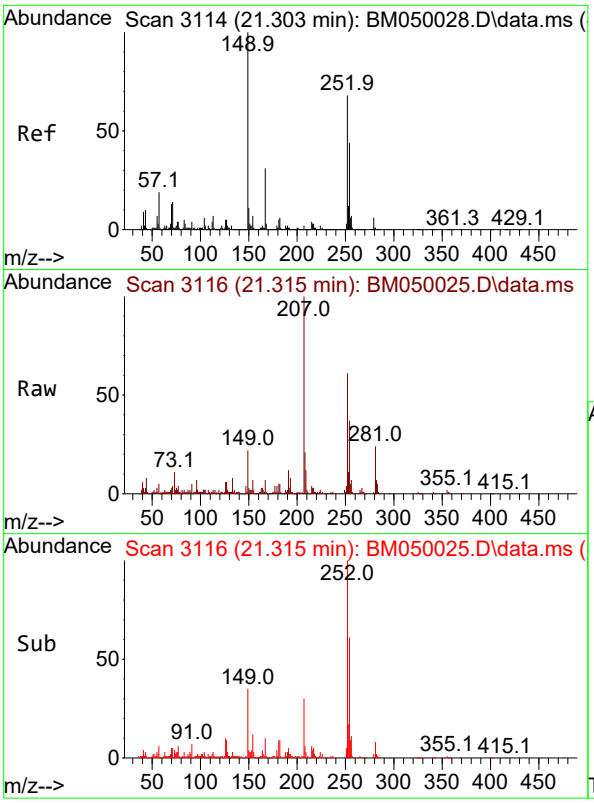


#81
Benzo(a)anthracene
Concen: 4.648 ng
RT: 21.380 min Scan# 3127
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:228 Resp: 363641

Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.1	33.1
229	20.1	15.7	23.5





#82
3,3'-Dichlorobenzidine
Concen: 4.119 ng
RT: 21.315 min Scan# 3
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:252 Resp: 12337

Ion	Ratio	Lower	Upper
252	100		
254	61.0	51.8	77.6
126	9.9	6.0	9.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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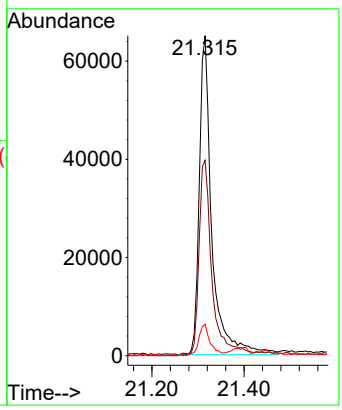
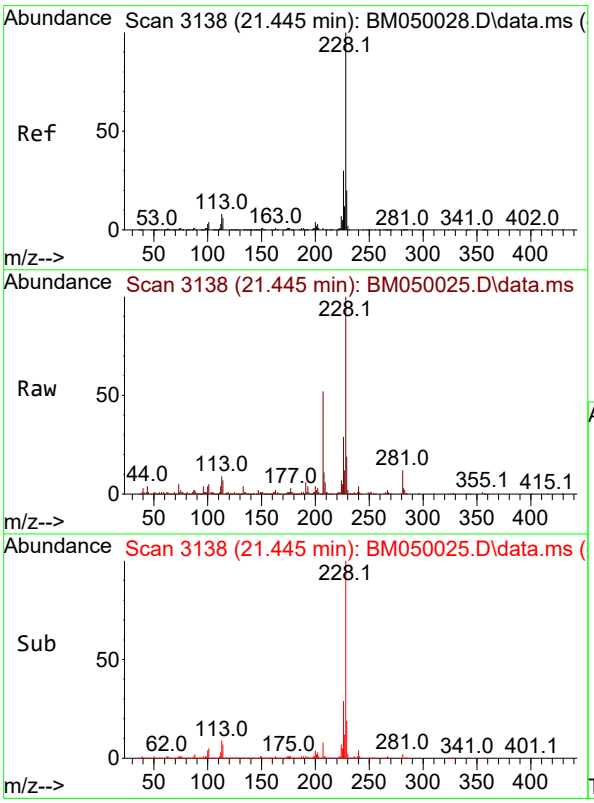
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

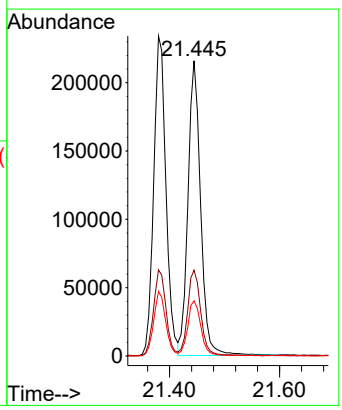


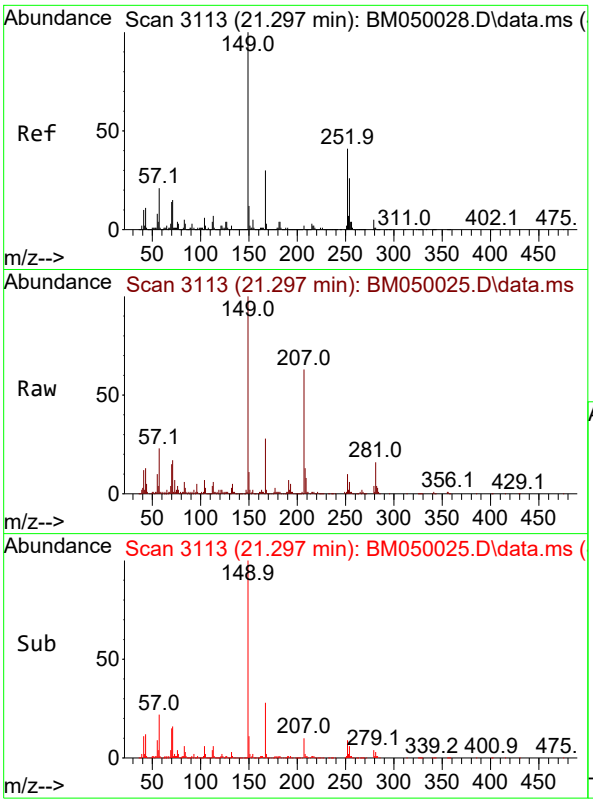


#83
Chrysene
Concen: 4.738 ng
RT: 21.445 min Scan# 3138
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:228 Resp: 343085

Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.2	36.2
229	18.7	15.7	23.5





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.620 ng
RT: 21.297 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:149 Resp: 20623

Ion	Ratio	Lower	Upper
149	100		
167	28.0	24.1	36.1
279	4.1	3.9	5.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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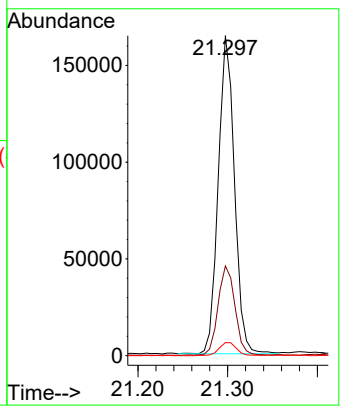
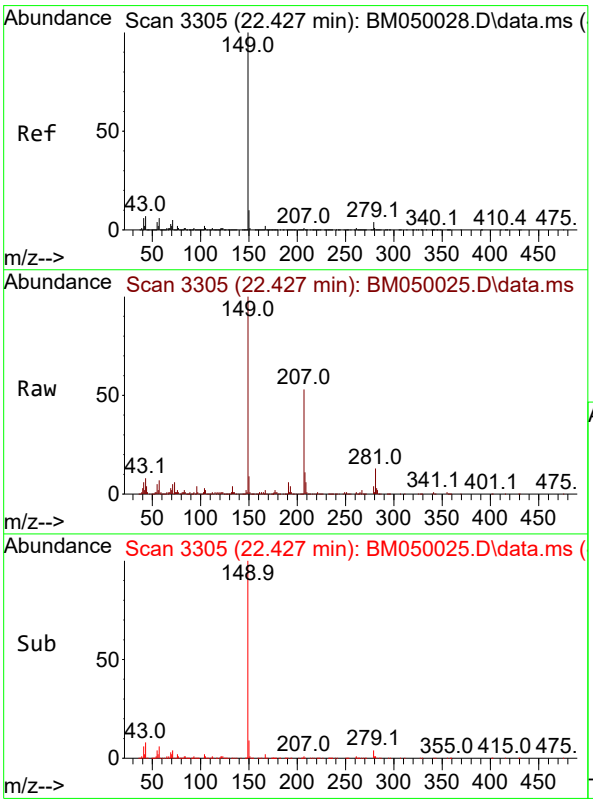
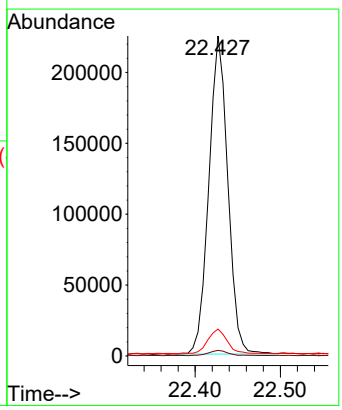


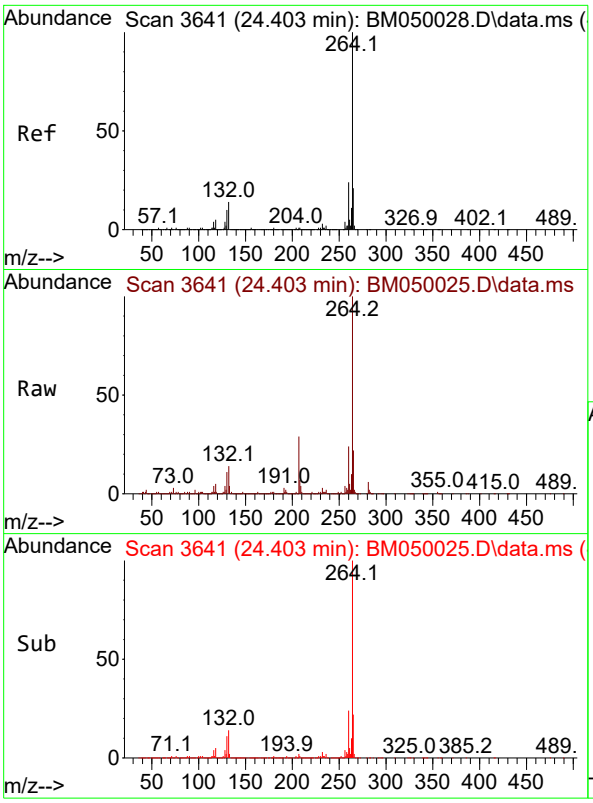


#85
Di-n-octyl phthalate
Concen: 4.711 ng
RT: 22.427 min Scan# 3305
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:149 Resp: 346799

Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.3	1.9
43	8.0	5.8	8.8

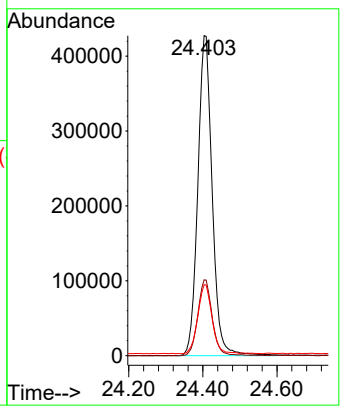




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:264 Resp: 114991

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.8	28.2
265	22.2	17.0	25.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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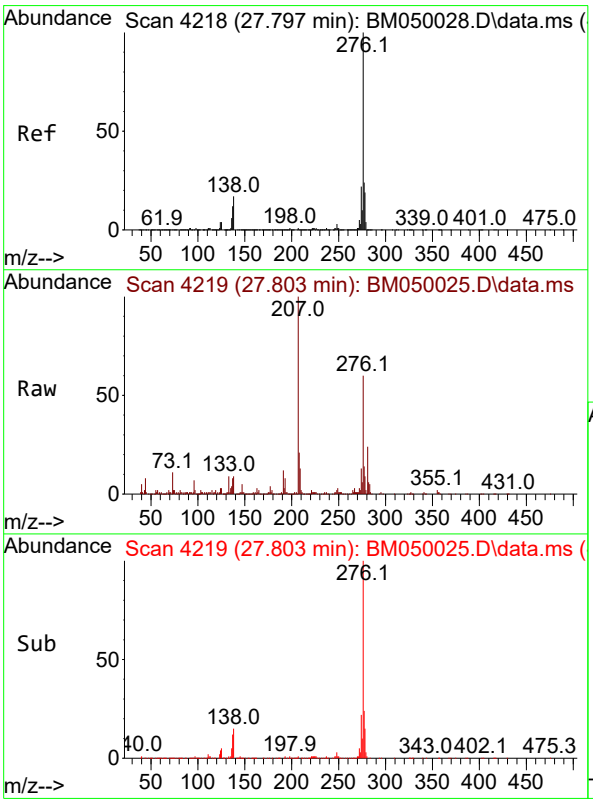
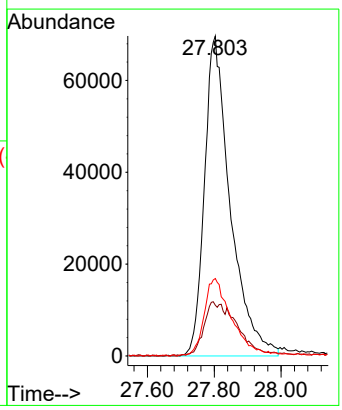
Supervised By :Jagrut Upadhyay 04/29/2025

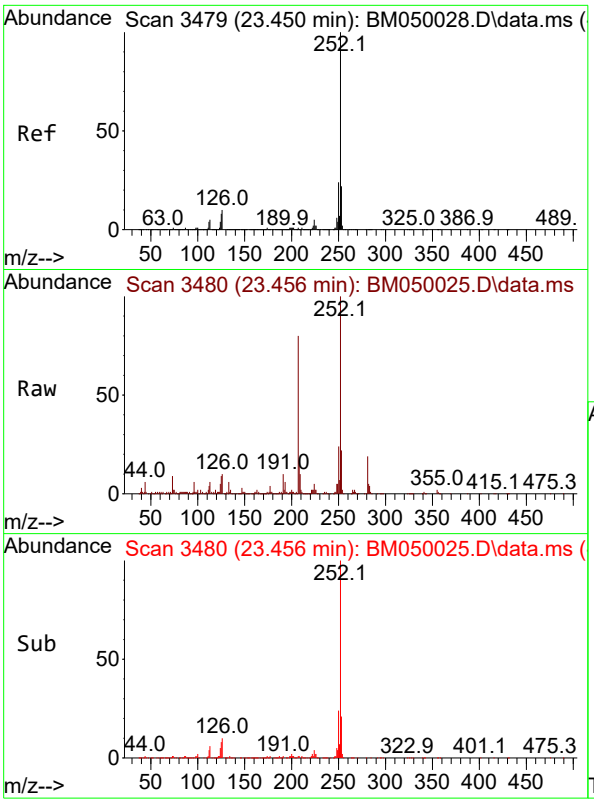


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.364 ng
RT: 27.803 min Scan# 4219
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:276 Resp: 373944

Ion	Ratio	Lower	Upper
276	100		
138	8.9	16.4	24.6#
277	25.9	19.8	29.8





#88
Benzo(b)fluoranthene
Concen: 4.338 ng
RT: 23.456 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:252 Resp: 32439

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	8.7	6.1	9.1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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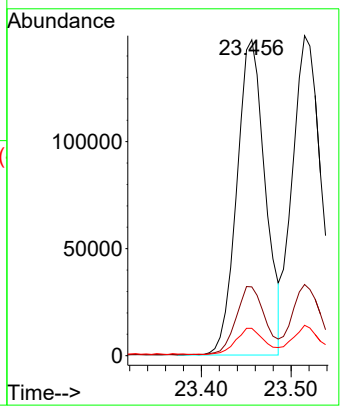
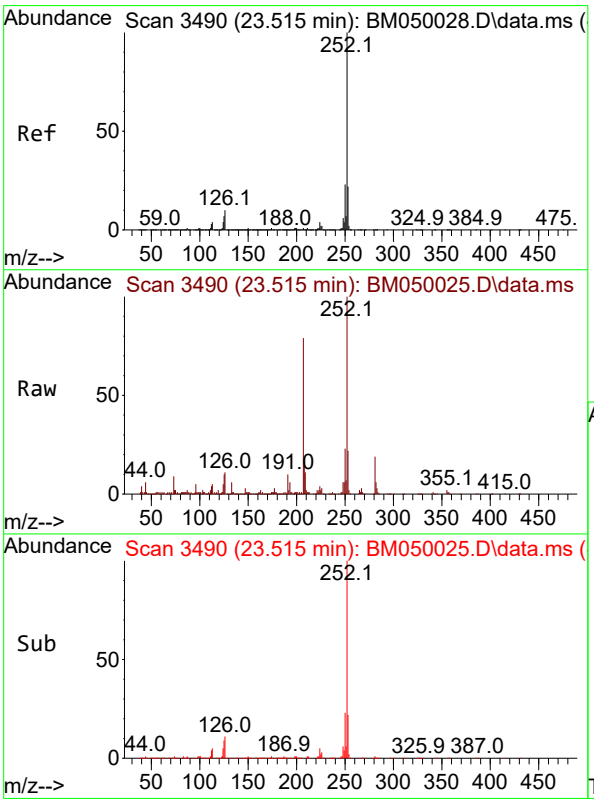
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

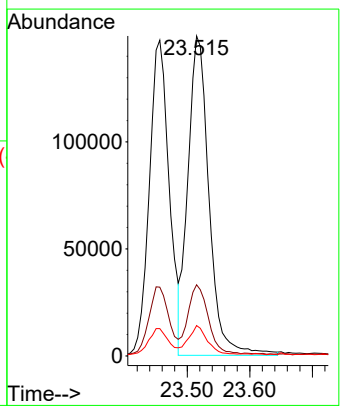


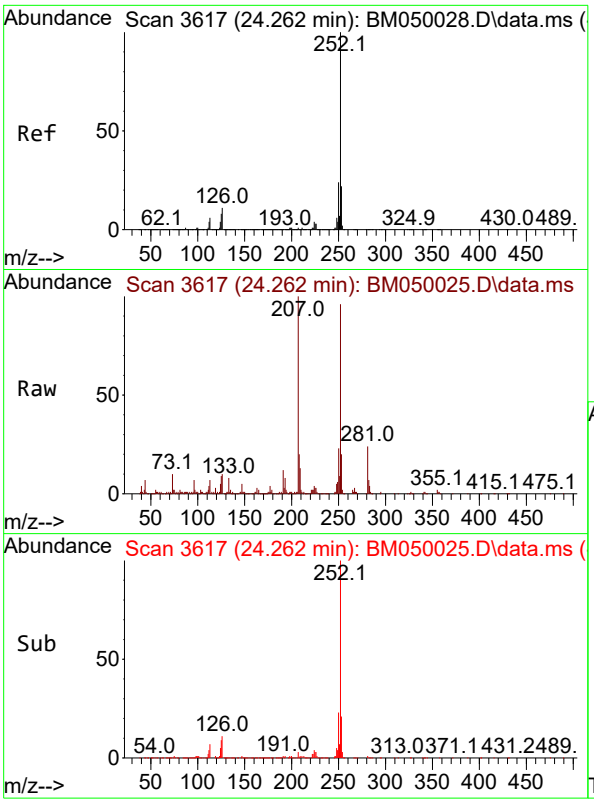


#89
Benzo(k)fluoranthene
Concen: 4.631 ng m
RT: 23.515 min Scan# 3490
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:252 Resp: 350374

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	9.5	5.8	8.8#

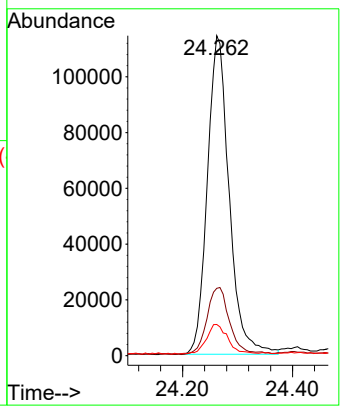




#90
Benzo(a)pyrene
Concen: 4.492 ng
RT: 24.262 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:252 Resp: 31460

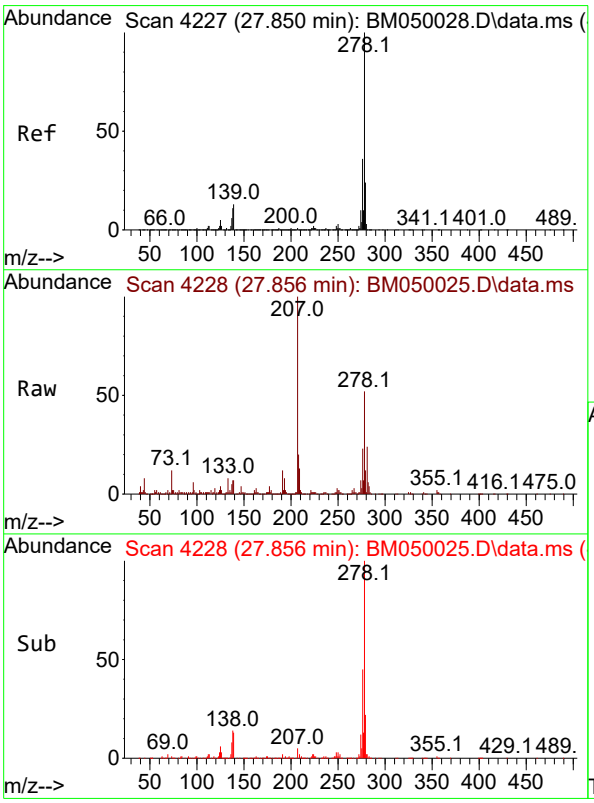
Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.4	26.0
125	9.7	6.6	9.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

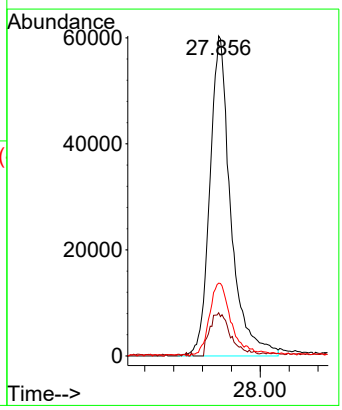
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

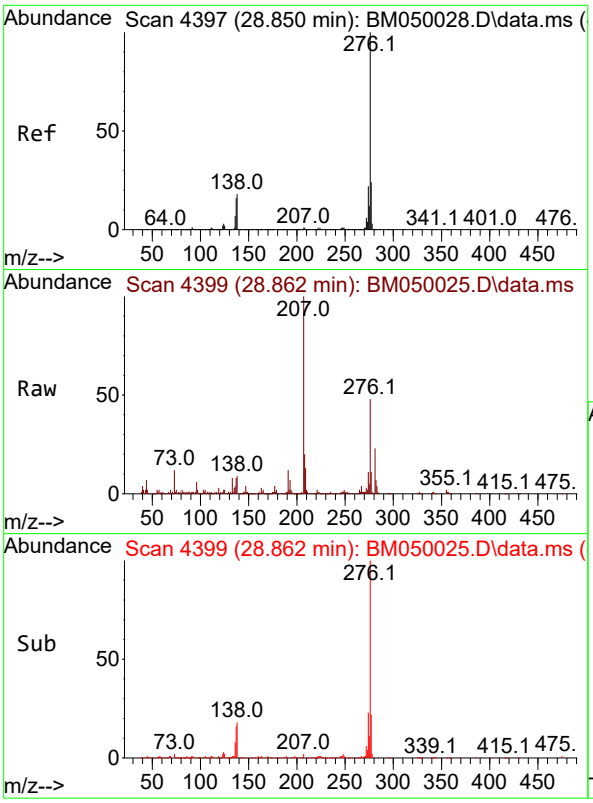


#91
Dibenzo(a,h)anthracene
Concen: 4.346 ng
RT: 27.856 min Scan# 4228
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:278 Resp: 303557

Ion	Ratio	Lower	Upper
278	100		
139	13.5	10.5	15.7
279	22.8	19.4	29.0

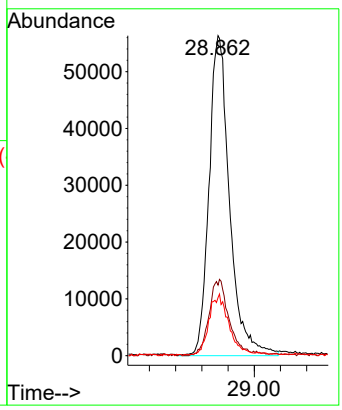




#92
Benzo(g,h,i)perylene
Concen: 4.585 ng
RT: 28.862 min Scan# 4
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:276 Resp: 30657

Ion	Ratio	Lower	Upper
276	100		
277	22.1	19.1	28.7
138	18.1	14.3	21.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050026.D
Acq On : 28 Apr 2025 13:48
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 28 17:54:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.769	152	250110	20.000	ng		0.00
21) Naphthalene-d8	10.563	136	926512	20.000	ng		0.00
39) Acenaphthene-d10	14.410	164	636652	20.000	ng		0.00
64) Phenanthrene-d10	17.157	188	1274608	20.000	ng		0.00
76) Chrysene-d12	21.397	240	1213581	20.000	ng		0.00
86) Perylene-d12	24.403	264	1224339	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	269870	18.894	ng		0.00
7) Phenol-d6	6.957	99	329701	18.366	ng		0.00
23) Nitrobenzene-d5	8.928	82	346334	18.420	ng		0.00
42) 2,4,6-Tribromophenol	15.910	330	158339	16.820	ng		0.00
45) 2-Fluorobiphenyl	13.027	172	989917	18.394	ng		0.00
79) Terphenyl-d14	19.780	244	1443528	17.601	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.257	88	58048	9.478	ng		98
3) Pyridine	3.663	79	145801	9.266	ng		98
4) n-Nitrosodimethylamine	3.569	42	57404	9.302	ng	#	93
6) Aniline	7.098	93	211256	9.319	ng		100
8) 2-Chlorophenol	7.339	128	145228	9.404	ng		99
9) Benzaldehyde	6.916	77	115030m	9.587	ng		
10) Phenol	6.981	94	168041	9.246	ng		99
11) bis(2-Chloroethyl)ether	7.192	93	138197	9.107	ng		100
12) 1,3-Dichlorobenzene	7.657	146	178565	9.572	ng		96
13) 1,4-Dichlorobenzene	7.804	146	177312	9.461	ng		99
14) 1,2-Dichlorobenzene	8.122	146	174224	9.624	ng		100
15) Benzyl Alcohol	8.022	79	110234	8.854	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.292	45	177776	9.637	ng		97
17) 2-Methylphenol	8.228	107	111639	9.325	ng		99
18) Hexachloroethane	8.845	117	63487	9.530	ng		98
19) n-Nitroso-di-n-propyla...	8.575	70	110641	9.609	ng		98
20) 3+4-Methylphenols	8.563	107	146303	9.049	ng		99
22) Acetophenone	8.592	105	214790	9.325	ng		98
24) Nitrobenzene	8.969	77	150534	9.259	ng		99
25) Isophorone	9.498	82	300179	9.366	ng		99
26) 2-Nitrophenol	9.686	139	72521	8.732	ng		97
27) 2,4-Dimethylphenol	9.757	122	123406	8.960	ng		97
28) bis(2-Chloroethoxy)met...	9.975	93	184837	9.331	ng		99
29) 2,4-Dichlorophenol	10.245	162	137916	8.938	ng		99
30) 1,2,4-Trichlorobenzene	10.428	180	177721	9.453	ng		97
31) Naphthalene	10.610	128	444206	9.467	ng		99
32) Benzoic acid	9.875	122	63971m	7.282	ng		
33) 4-Chloroaniline	10.739	127	181907	9.458	ng		99
34) Hexachlorobutadiene	10.898	225	111307	9.327	ng		99
35) Caprolactam	11.516	113	39344	8.745	ng		94
36) 4-Chloro-3-methylphenol	11.880	107	131076	9.194	ng		98
37) 2-Methylnaphthalene	12.227	142	296053	9.411	ng		97
38) 1-Methylnaphthalene	12.451	142	312512	9.387	ng		97
40) 1,2,4,5-Tetrachloroben...	12.604	216	197943	8.981	ng		99
41) Hexachlorocyclopentadiene	12.580	237	96522	7.166	ng		99
43) 2,4,6-Trichlorophenol	12.857	196	121240	8.673	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050026.D
Acq On : 28 Apr 2025 13:48
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 17:54:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.945	196	132882	8.815	ng		96
46) 1,1'-Biphenyl	13.245	154	443960	9.381	ng		99
47) 2-Chloronaphthalene	13.286	162	354101	9.447	ng		99
48) 2-Nitroaniline	13.498	65	77101	8.764	ng		94
49) Acenaphthylene	14.133	152	545774	9.235	ng		100
50) Dimethylphthalate	13.868	163	438261	9.419	ng		99
51) 2,6-Dinitrotoluene	13.992	165	86242	8.953	ng		98
52) Acenaphthene	14.474	154	317735	9.288	ng		98
53) 3-Nitroaniline	14.333	138	78720	8.559	ng	#	99
54) 2,4-Dinitrophenol	14.563	184	31979	10.558	ng		96
55) Dibenzofuran	14.810	168	535023	9.401	ng		99
56) 4-Nitrophenol	14.710	139	40722	9.668	ng		96
57) 2,4-Dinitrotoluene	14.792	165	116476	8.750	ng		95
58) Fluorene	15.462	166	427384	9.174	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.051	232	115185	8.828	ng		98
60) Diethylphthalate	15.233	149	414149	9.447	ng		100
61) 4-Chlorophenyl-phenyle...	15.457	204	227926	8.908	ng		94
62) 4-Nitroaniline	15.498	138	74565m	8.397	ng		
63) Azobenzene	15.745	77	347347	9.454	ng		99
65) 4,6-Dinitro-2-methylph...	15.562	198	56182	7.042	ng		93
66) n-Nitrosodiphenylamine	15.668	169	364601	9.315	ng		99
67) 4-Bromophenyl-phenylether	16.351	248	137532	8.923	ng		99
68) Hexachlorobenzene	16.468	284	160195	9.016	ng		99
69) Atrazine	16.621	200	126168	8.937	ng		98
70) Pentachlorophenol	16.827	266	74839	7.483	ng		95
71) Phenanthrene	17.198	178	659374	9.172	ng		100
72) Anthracene	17.292	178	661260	9.089	ng		99
73) Carbazole	17.568	167	573667	9.087	ng		99
74) Di-n-butylphthalate	18.121	149	689248	9.168	ng		99
75) Fluoranthene	19.221	202	727607	8.621	ng		99
77) Benzidine	19.415	184	339970	7.887	ng		99
78) Pyrene	19.586	202	761625	8.937	ng		99
80) Butylbenzylphthalate	20.474	149	290617	9.105	ng		93
81) Benzo(a)anthracene	21.380	228	747128	8.940	ng		100
82) 3,3'-Dichlorobenzidine	21.309	252	262017	8.190	ng		100
83) Chrysene	21.444	228	709862	9.178	ng		99
84) Bis(2-ethylhexyl)phtha...	21.297	149	439949	9.228	ng		98
85) Di-n-octyl phthalate	22.427	149	726208	9.236	ng		99
87) Indeno(1,2,3-cd)pyrene	27.791	276	791344	8.674	ng		99
88) Benzo(b)fluoranthene	23.450	252	703118	8.831	ng		98
89) Benzo(k)fluoranthene	23.515	252	704142	8.741	ng		99
90) Benzo(a)pyrene	24.262	252	652617	8.751	ng		99
91) Dibenzo(a,h)anthracene	27.844	278	638913	8.591	ng		98
92) Benzo(g,h,i)perylene	28.850	276	630261	8.852	ng		99

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

ICAL Form

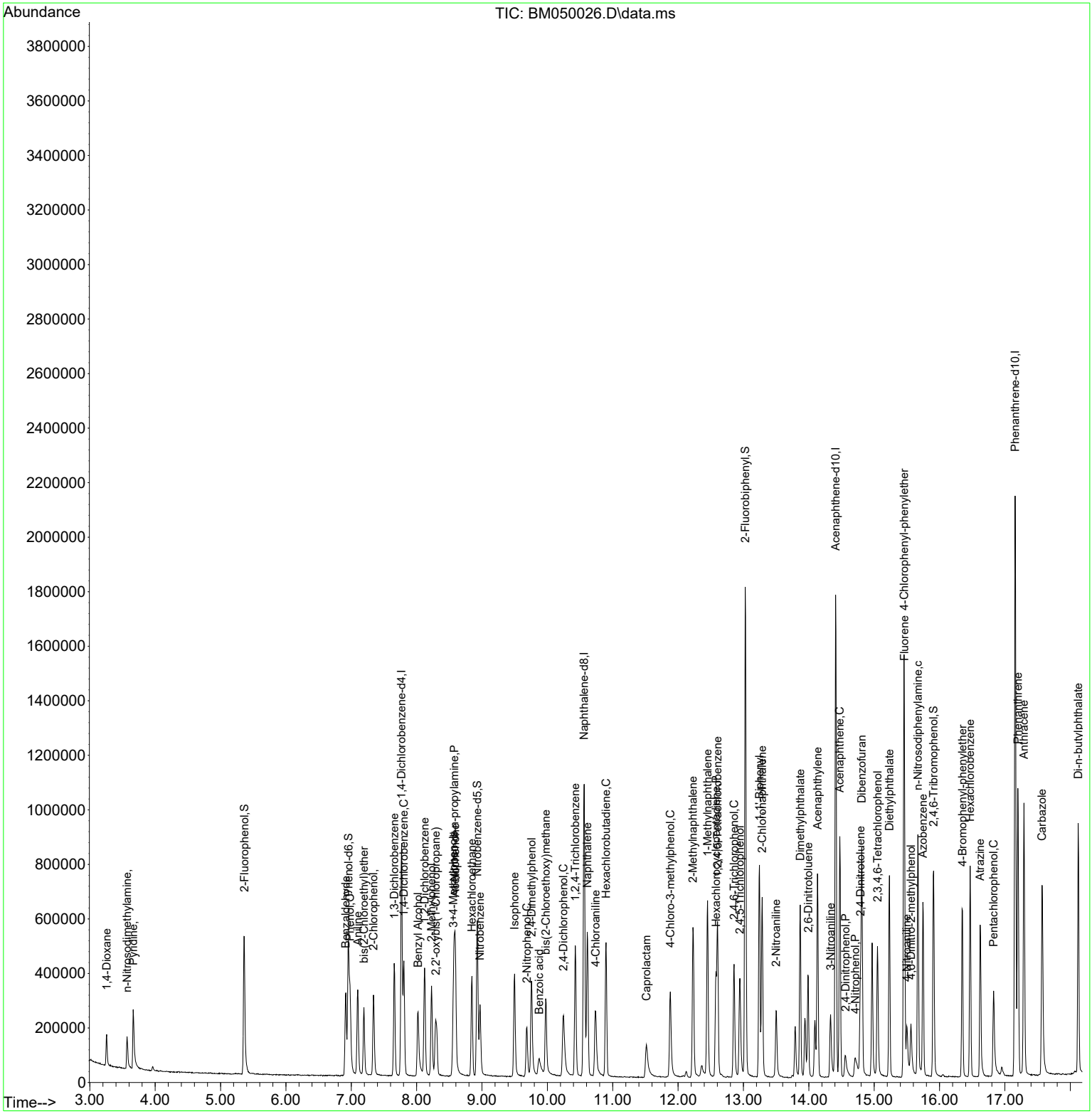
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050026.D
Acq On : 28 Apr 2025 13:48
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 28 17:54:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050026.D
Acq On : 28 Apr 2025 13:48
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 28 17:54:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
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BNA_M
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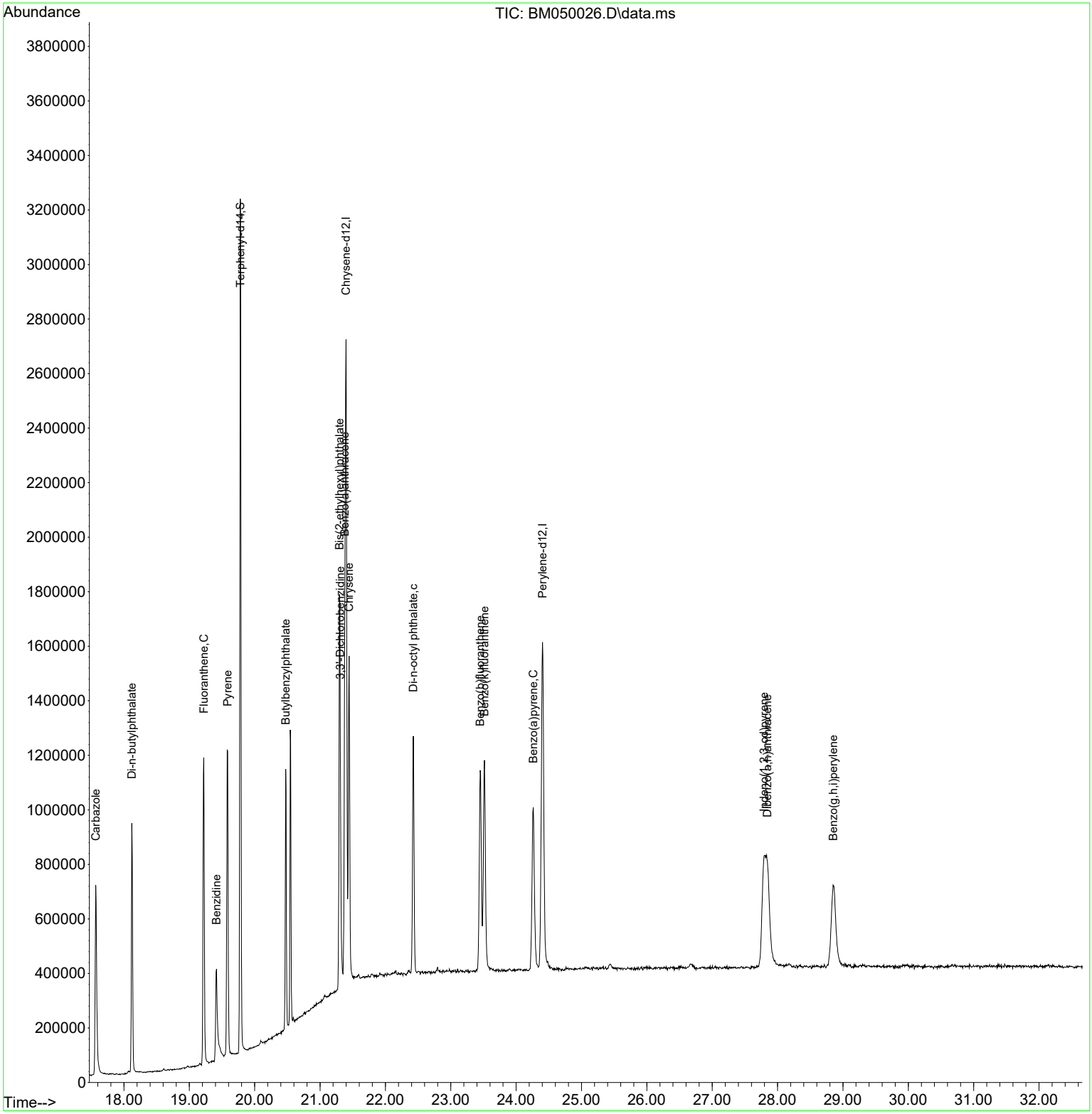
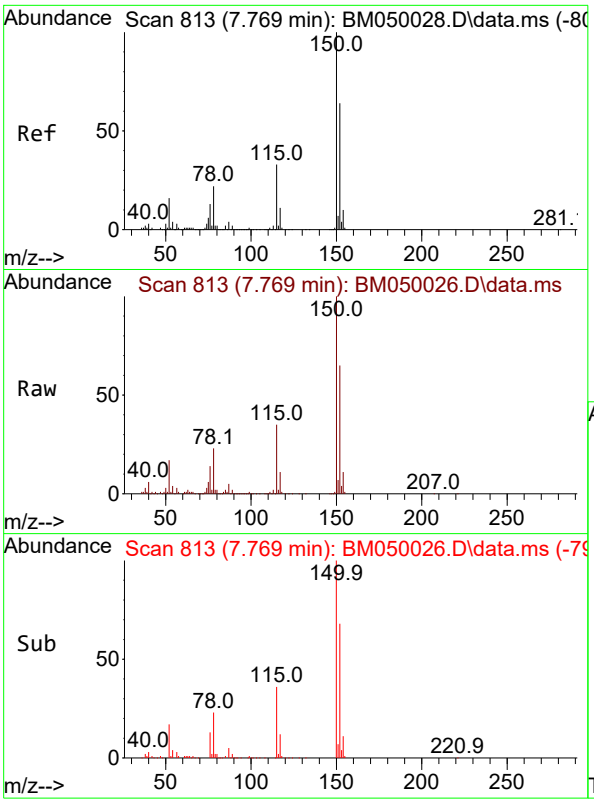
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

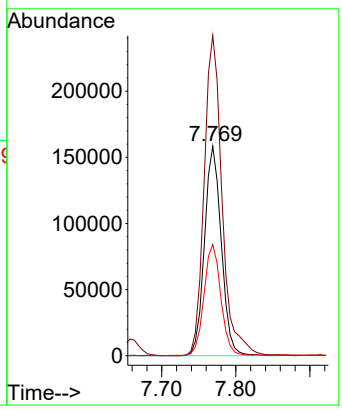




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:152 Resp: 25011

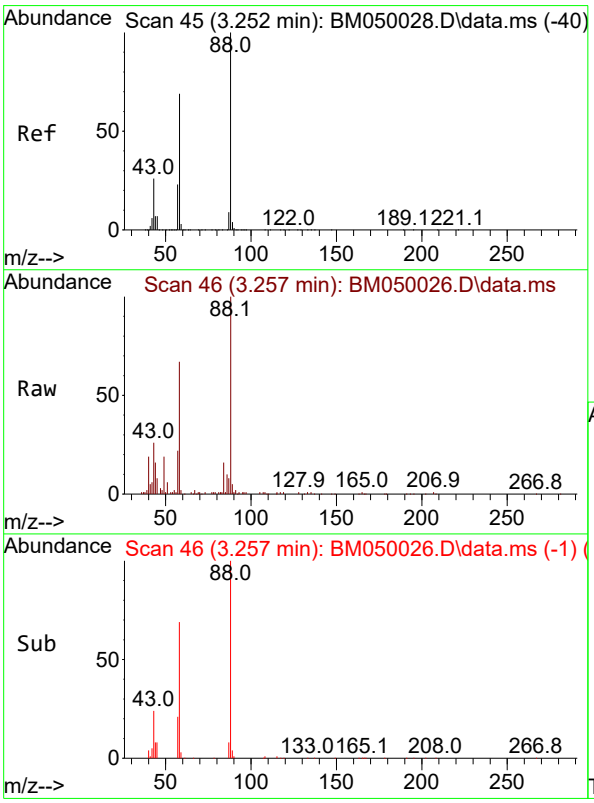
Ion	Ratio	Lower	Upper
152	100		
150	152.8	124.1	186.1
115	53.1	41.2	61.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

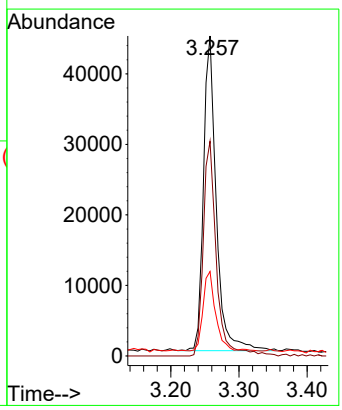
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

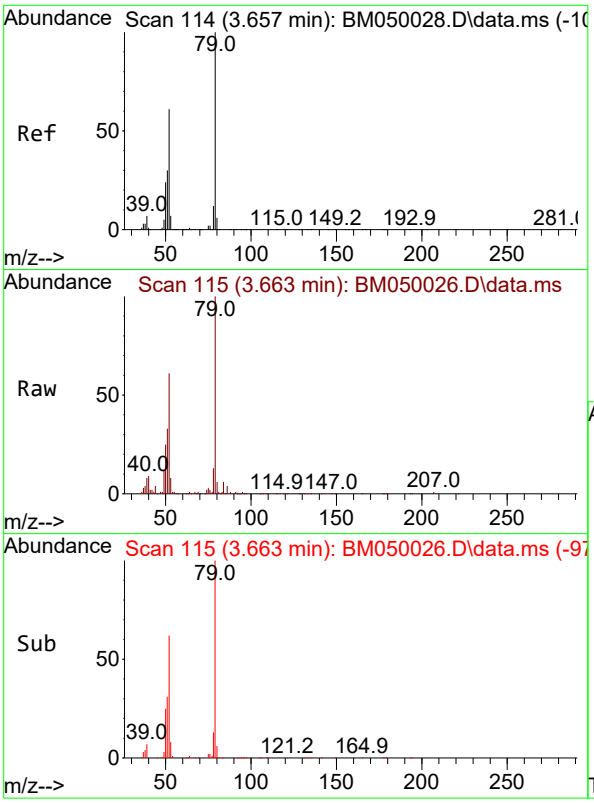


#2
1,4-Dioxane
Concen: 9.478 ng
RT: 3.257 min Scan# 46
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 88 Resp: 58048

Ion	Ratio	Lower	Upper
88	100		
58	70.3	55.1	82.7
43	24.7	20.9	31.3





#3
Pyridine
Concen: 9.266 ng
RT: 3.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

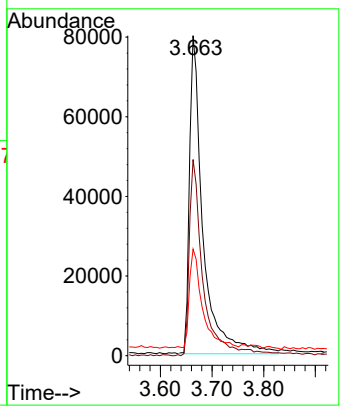
Tgt Ion: 79 Resp: 14580

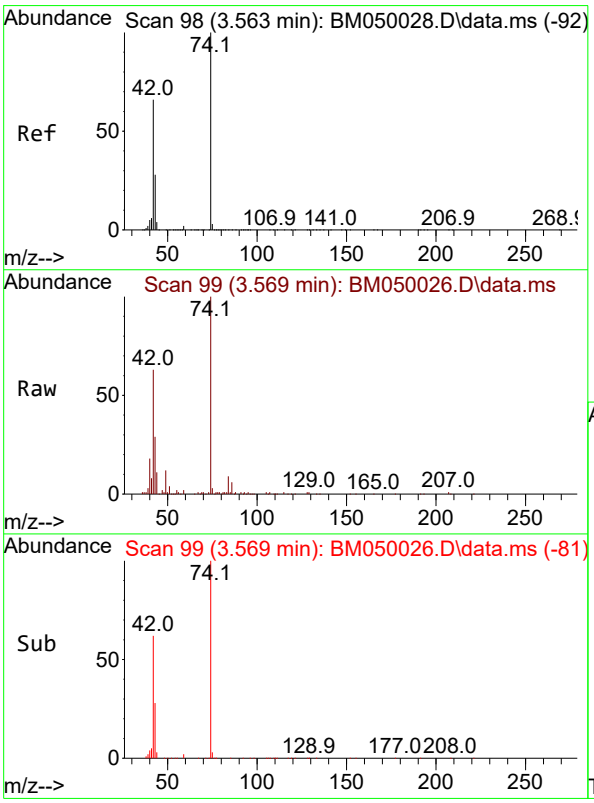
Ion	Ratio	Lower	Upper
79	100		
52	61.3	48.6	72.8
51	33.3	24.6	37.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

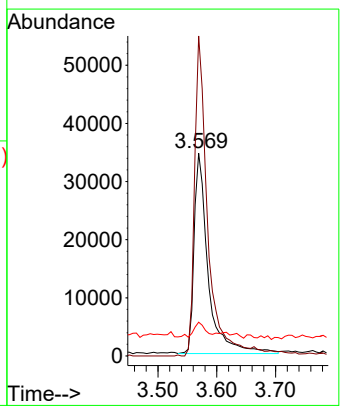


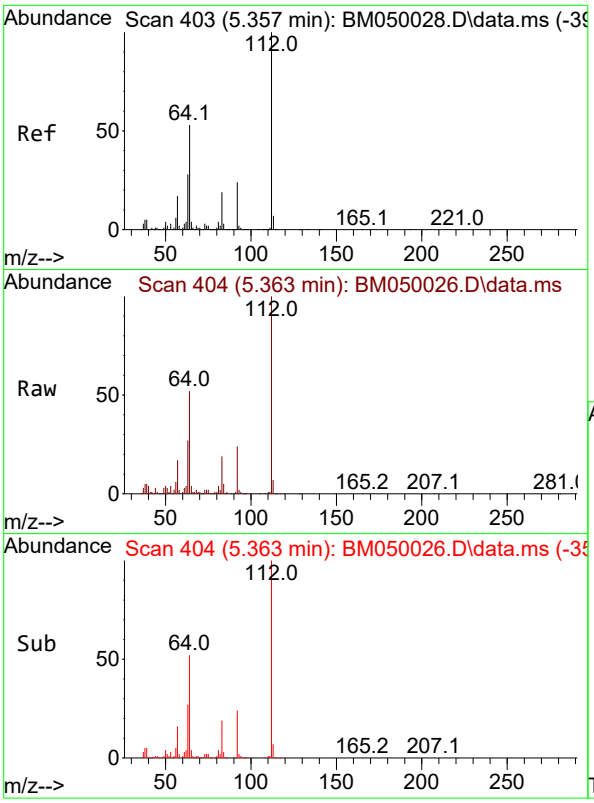


#4
n-Nitrosodimethylamine
Concen: 9.302 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 42 Resp: 57404

Ion	Ratio	Lower	Upper
42	100		
74	157.9	120.2	180.2
44	16.6	6.2	9.2#





#5
2-Fluorophenol
Concen: 18.894 ng
RT: 5.363 min Scan# 4(
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

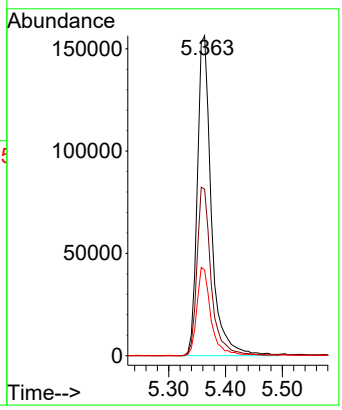
Tgt Ion:112 Resp: 26987(

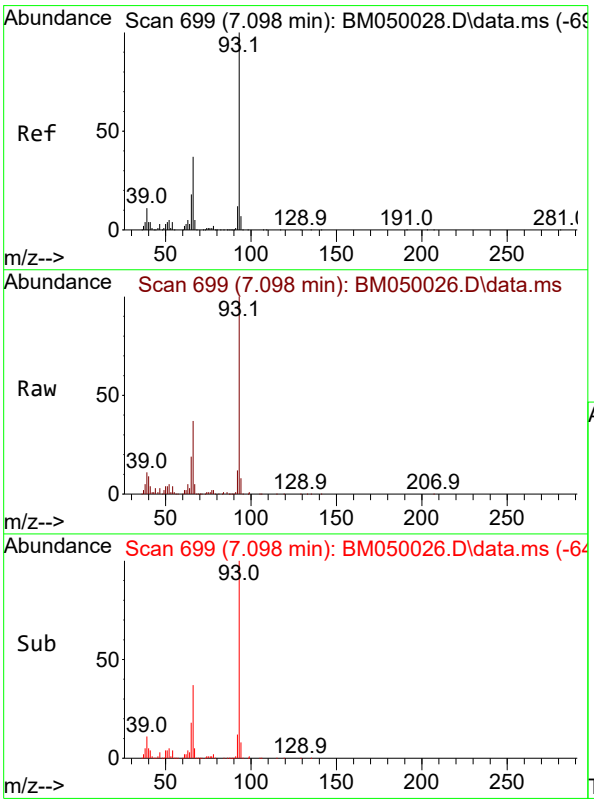
Ion	Ratio	Lower	Upper
112	100		
64	52.1	42.6	64.0
63	26.8	22.2	33.4

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

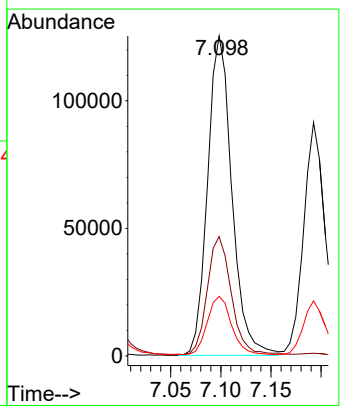


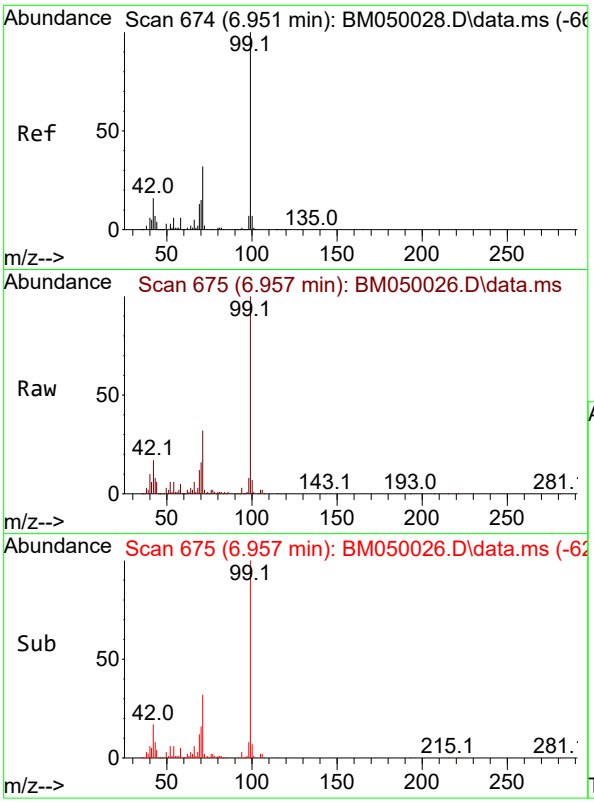


#6
Aniline
Concen: 9.319 ng
RT: 7.098 min Scan# 699
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 93 Resp: 211256

Ion	Ratio	Lower	Upper
93	100		
66	37.3	29.9	44.9
65	18.6	14.5	21.7

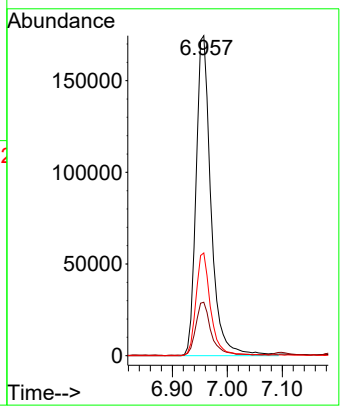




#7
Phenol-d6
Concen: 18.366 ng
RT: 6.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 99 Resp: 32970

Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.0	19.4
71	32.1	25.6	38.4



Instrument :
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ClientSampleId :
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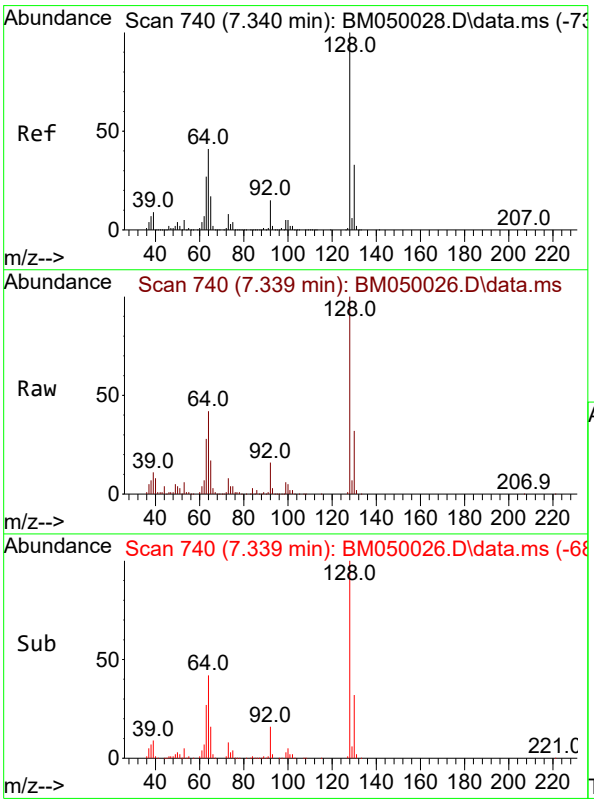
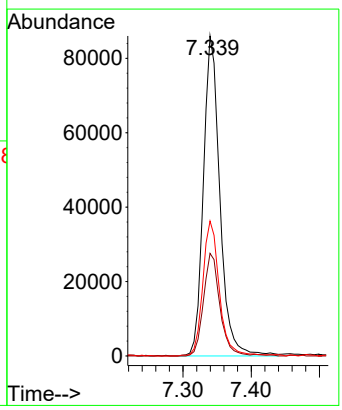
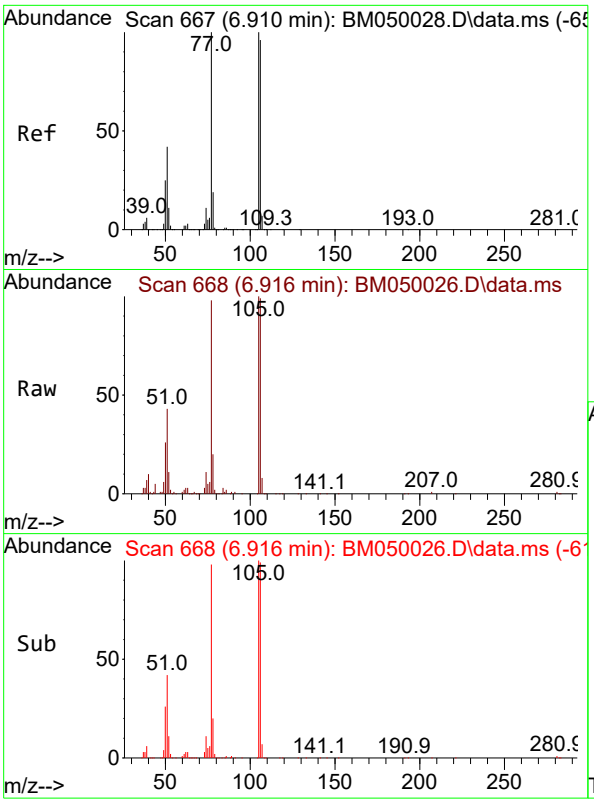


#8
2-Chlorophenol
Concen: 9.404 ng
RT: 7.339 min Scan# 740
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:128 Resp: 145228

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.8	52.8
64	42.2	21.2	61.2

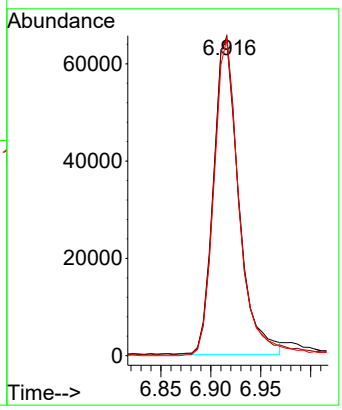




#9
Benzaldehyde
Concen: 9.587 ng m
RT: 6.916 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 77 Resp: 11503

Ion	Ratio	Lower	Upper
77	100		
105	101.6	80.5	120.5
106	100.5	76.1	116.1



Instrument :
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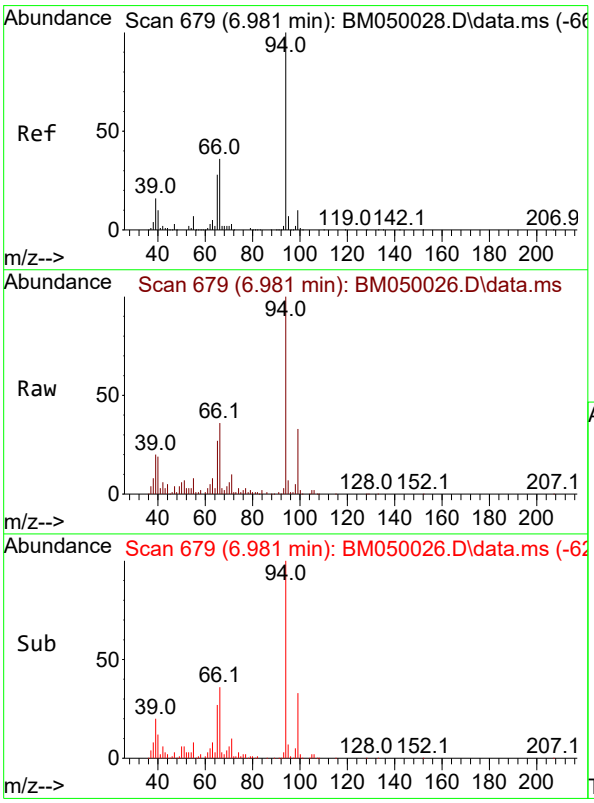
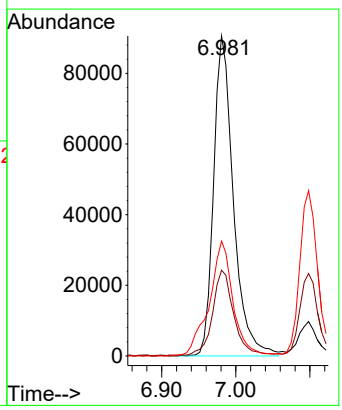
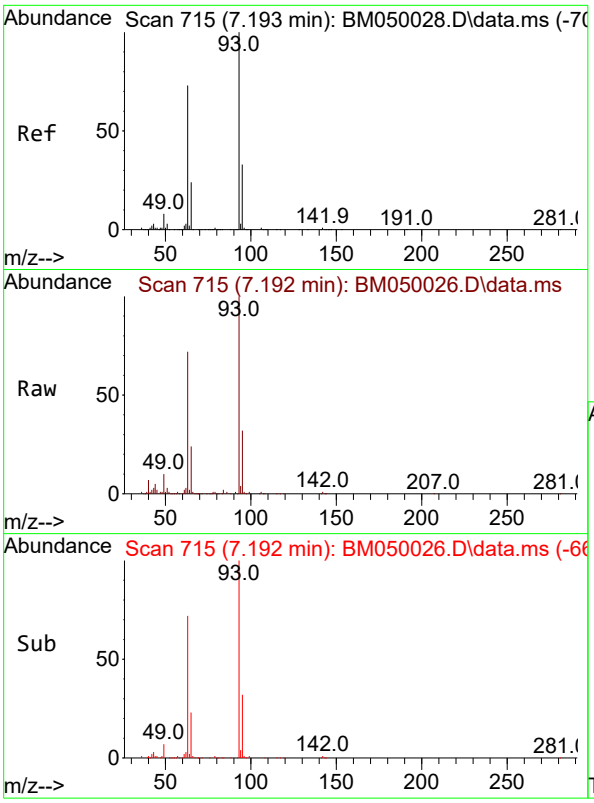


#10
Phenol
Concen: 9.246 ng
RT: 6.981 min Scan# 679
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 94 Resp: 168041

Ion	Ratio	Lower	Upper
94	100		
65	26.8	7.6	47.6
66	35.9	15.8	55.8

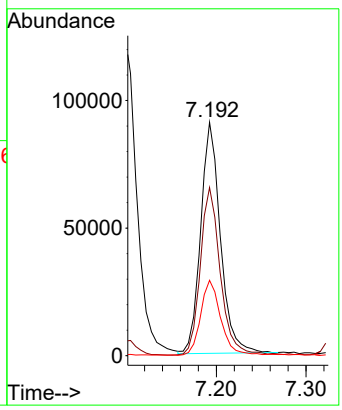




#11
bis(2-Chloroethyl)ether
Concen: 9.107 ng
RT: 7.192 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 93 Resp: 13819

Ion	Ratio	Lower	Upper
93	100		
63	72.0	52.3	92.3
95	32.3	12.8	52.8



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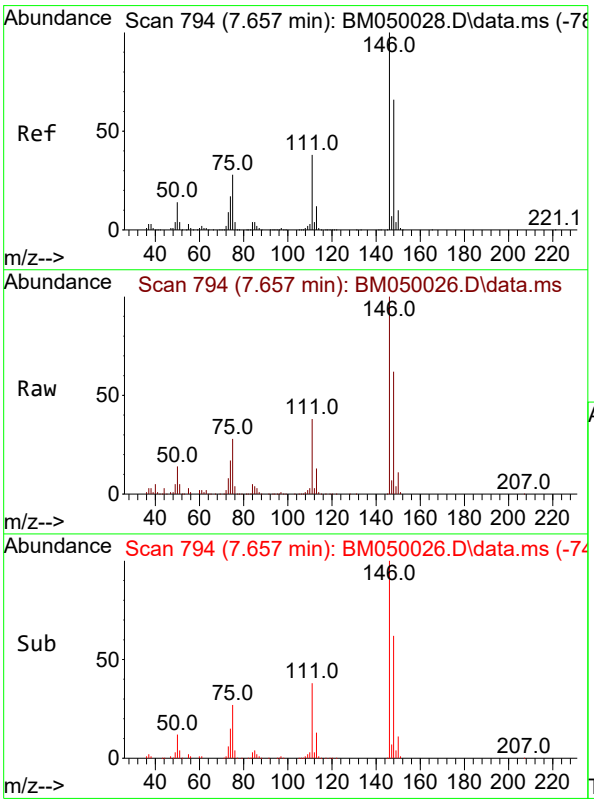
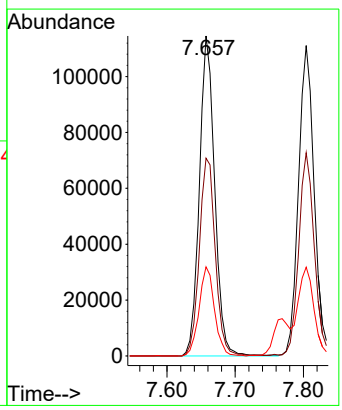
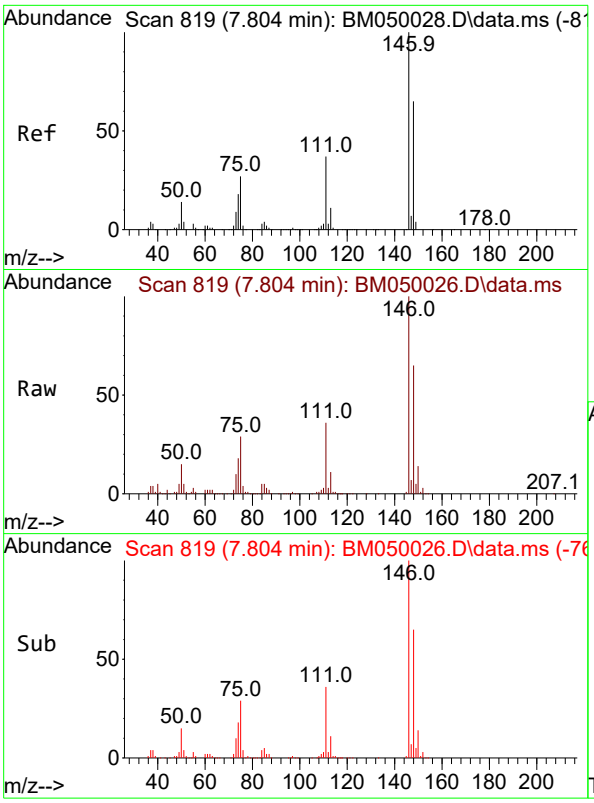


#12
1,3-Dichlorobenzene
Concen: 9.572 ng
RT: 7.657 min Scan# 794
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:146 Resp: 178565

Ion	Ratio	Lower	Upper
146	100		
148	61.8	52.5	78.7
75	27.8	22.6	34.0

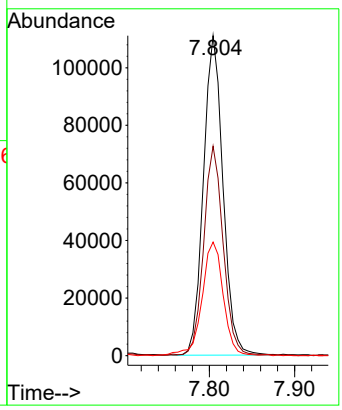




#13
1,4-Dichlorobenzene
Concen: 9.461 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:146 Resp: 17731

Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.2	78.2
111	35.5	29.3	43.9



Instrument :
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ClientSampleId :
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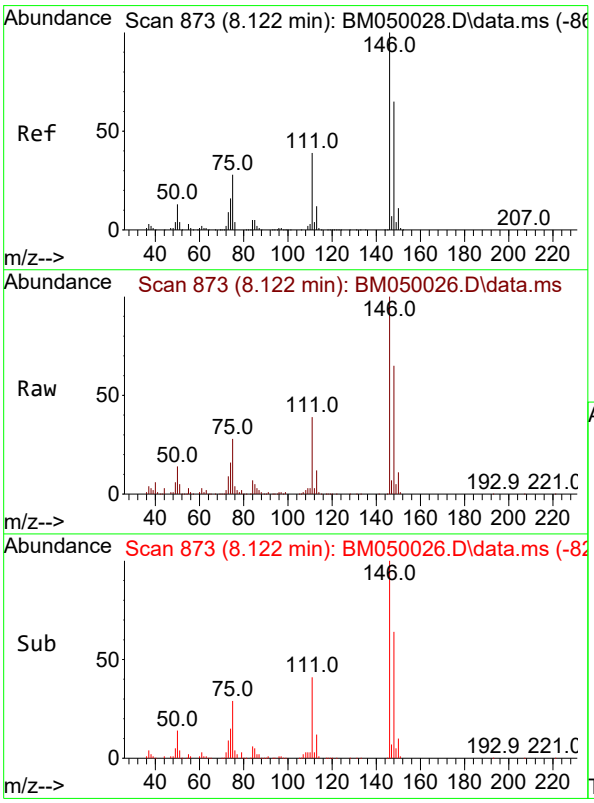
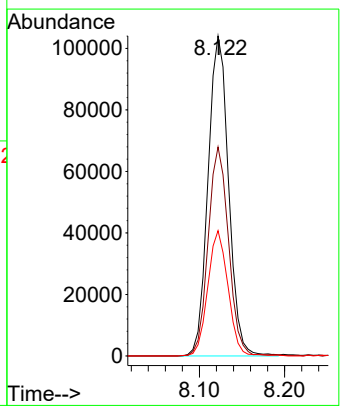
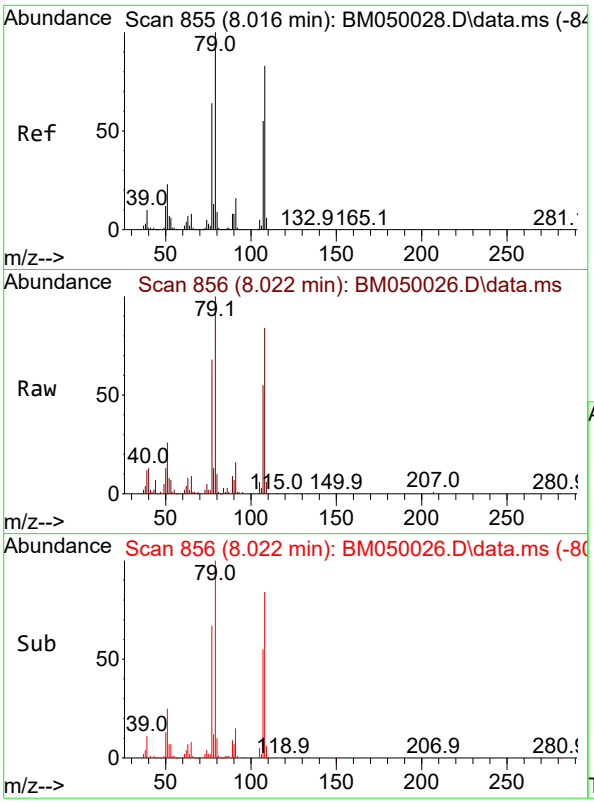


#14
1,2-Dichlorobenzene
Concen: 9.624 ng
RT: 8.122 min Scan# 873
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:146 Resp: 174224

Ion	Ratio	Lower	Upper
146	100		
148	65.3	52.4	78.6
111	39.2	31.0	46.6

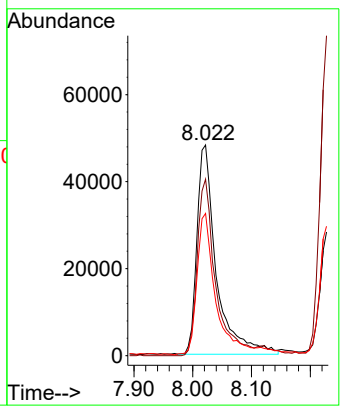




#15
Benzyl Alcohol
Concen: 8.854 ng
RT: 8.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 79 Resp: 11023

Ion	Ratio	Lower	Upper
79	100		
108	83.7	66.0	99.0
77	67.5	51.6	77.4



Instrument :
BNA_M
ClientSampleId :
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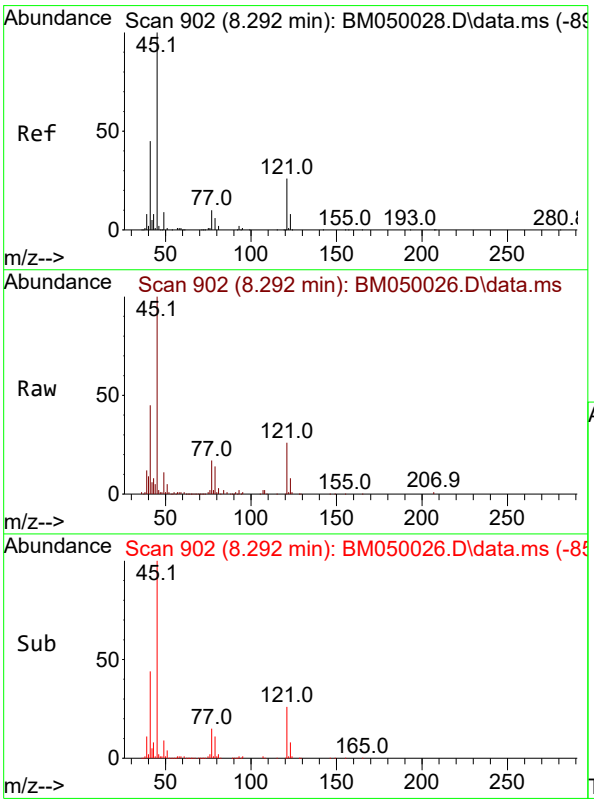
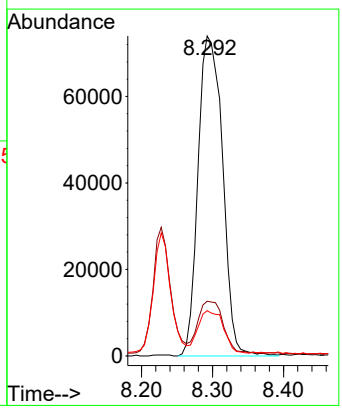
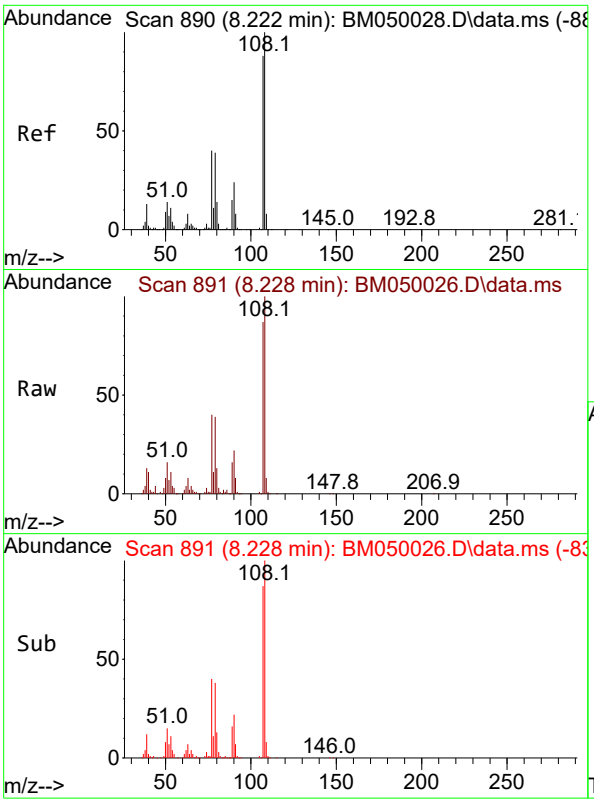


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.637 ng
RT: 8.292 min Scan# 902
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 45 Resp: 177776

Ion	Ratio	Lower	Upper
45	100		
77	17.1	0.0	36.4
79	14.1	0.0	32.7

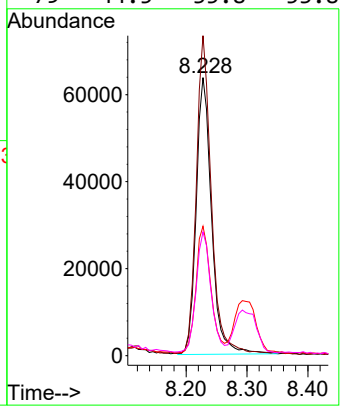




#17
2-Methylphenol
Concen: 9.325 ng
RT: 8.228 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:107 Resp: 11163

Ion	Ratio	Lower	Upper
107	100		
108	115.1	91.1	136.7
77	46.6	36.2	54.4
79	44.5	35.8	53.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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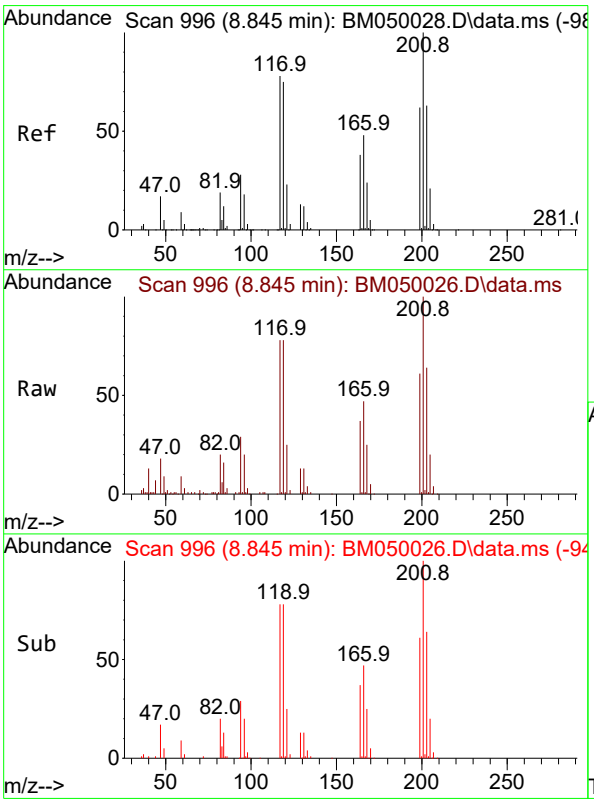
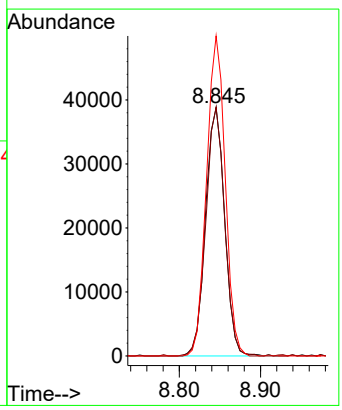
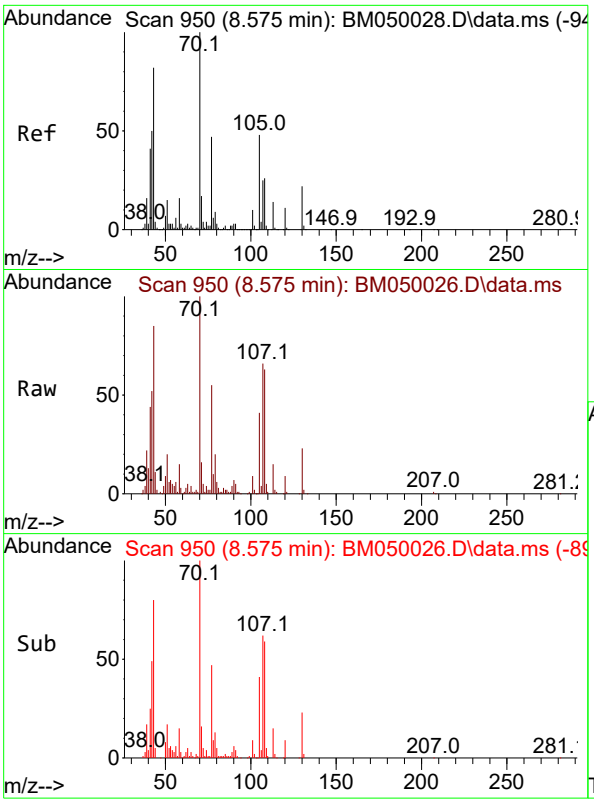


#18
Hexachloroethane
Concen: 9.530 ng
RT: 8.845 min Scan# 996
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:117 Resp: 63487

Ion	Ratio	Lower	Upper
117	100		
119	100.3	77.3	115.9
201	129.0	102.8	154.2

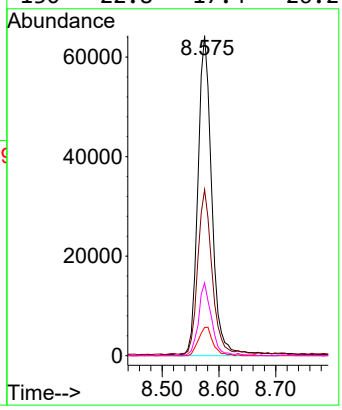




#19
n-Nitroso-di-n-propylamine
Concen: 9.609 ng
RT: 8.575 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 70 Resp: 11064

Ion	Ratio	Lower	Upper
70	100		
42	51.9	40.5	60.7
101	8.8	7.8	11.6
130	22.8	17.4	26.2



Instrument :
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ClientSampleId :
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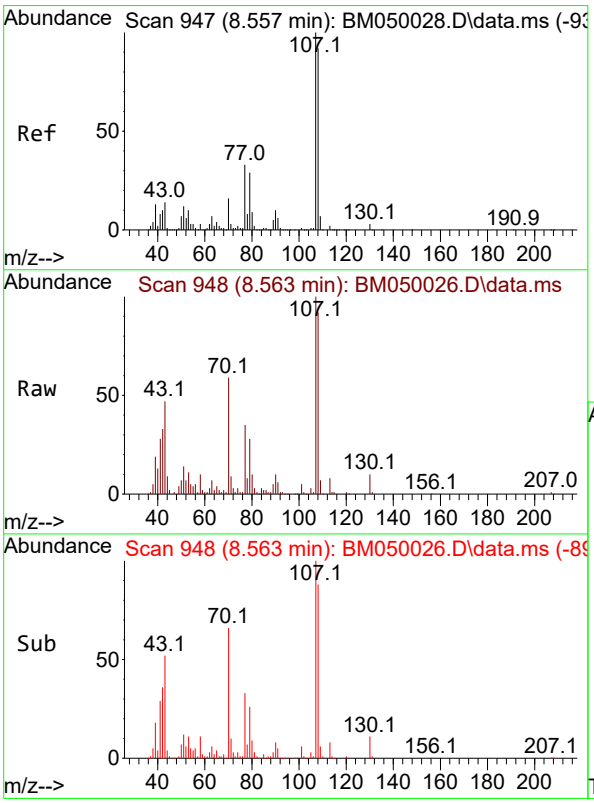
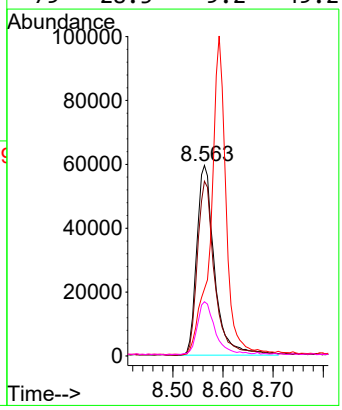
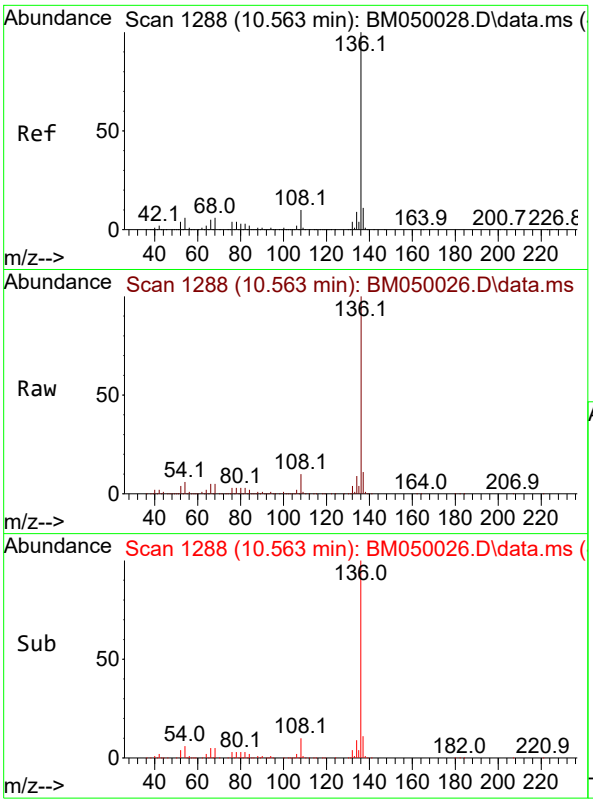


#20
3+4-Methylphenols
Concen: 9.049 ng
RT: 8.563 min Scan# 948
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:107 Resp: 146303

Ion	Ratio	Lower	Upper
107	100		
108	91.7	72.4	112.4
77	35.2	13.6	53.6
79	28.5	9.2	49.2

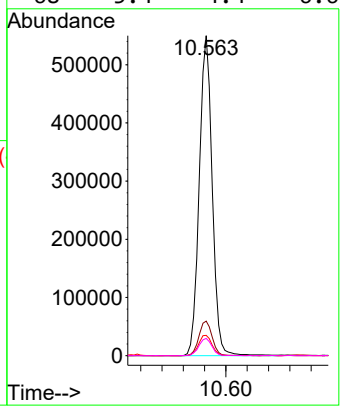




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:136 Resp: 92651

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.3	5.1	7.7
68	5.4	4.4	6.6



Instrument :
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ClientSampleId :
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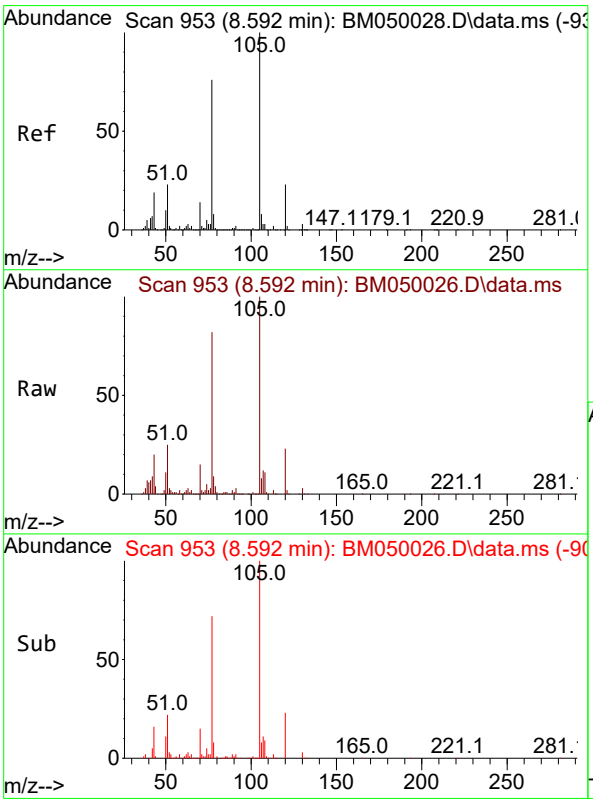
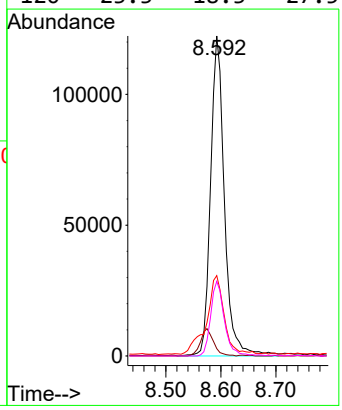
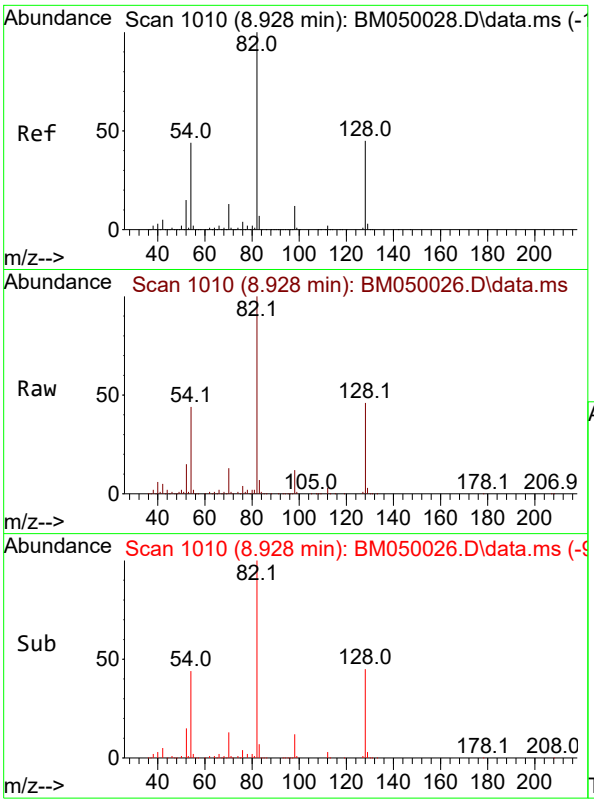


#22
Acetophenone
Concen: 9.325 ng
RT: 8.592 min Scan# 953
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:105 Resp: 214790

Ion	Ratio	Lower	Upper
105	100		
71	2.3	1.7	2.5
51	25.1	18.6	27.8
120	23.3	18.3	27.5





#23
Nitrobenzene-d5
Concen: 18.420 ng
RT: 8.928 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 82 Resp: 34633

Ion	Ratio	Lower	Upper
82	100		
128	45.5	35.7	53.5
54	43.9	35.4	53.2

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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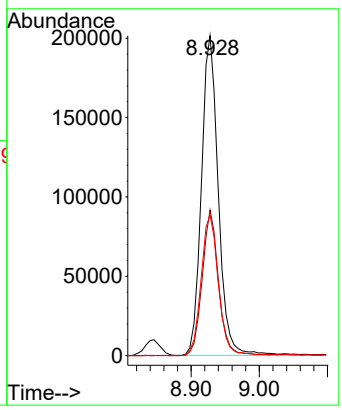
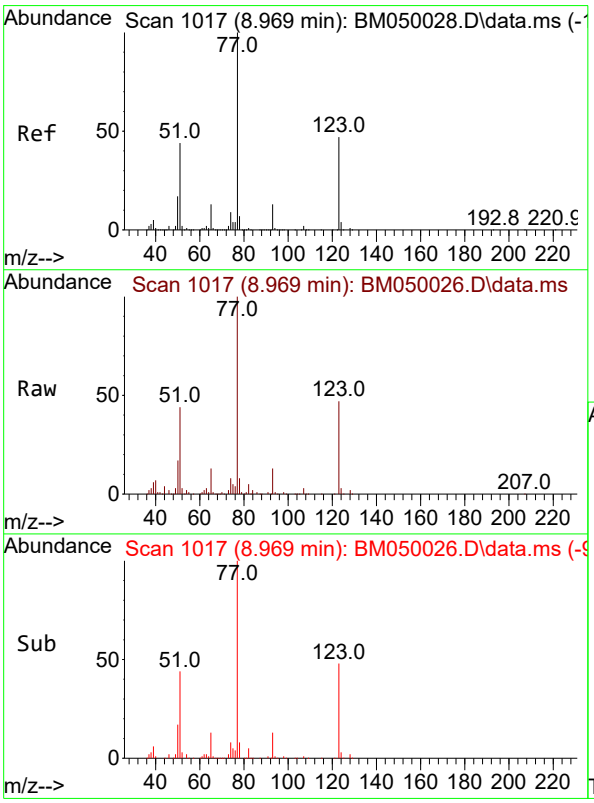
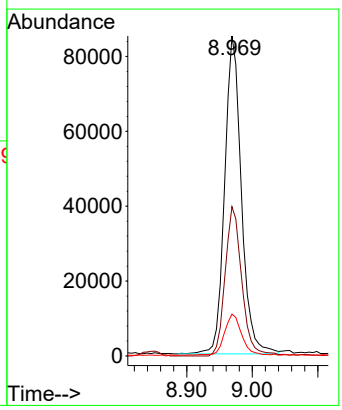


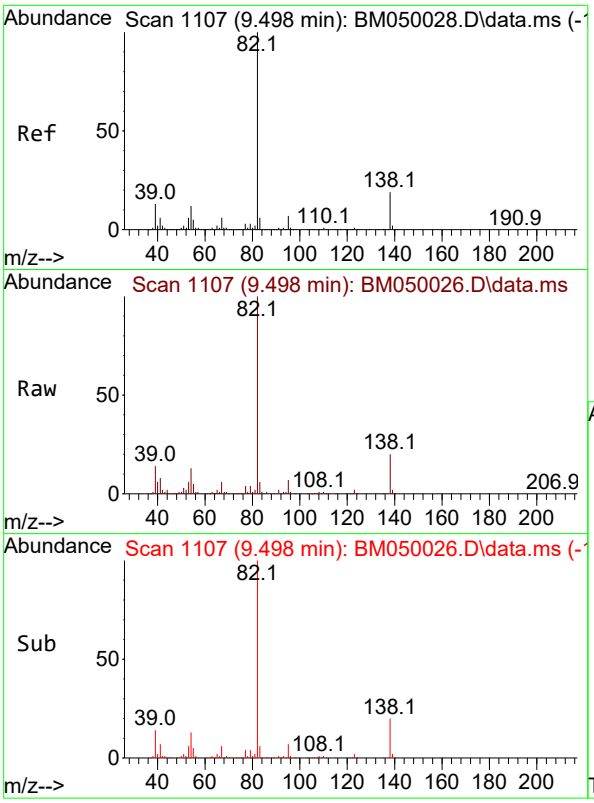


#24
Nitrobenzene
Concen: 9.259 ng
RT: 8.969 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 77 Resp: 150534

Ion	Ratio	Lower	Upper
77	100		
123	46.6	37.9	56.9
65	13.0	10.1	15.1





#25
Isophorone
Concen: 9.366 ng
RT: 9.498 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 82 Resp: 300179

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.7	8.5
138	20.1	15.5	23.3

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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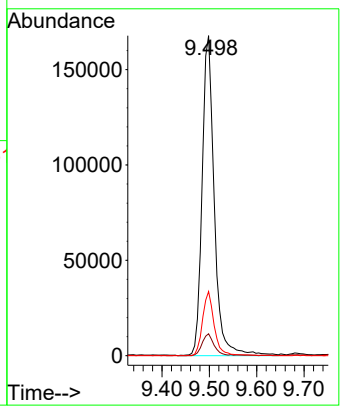
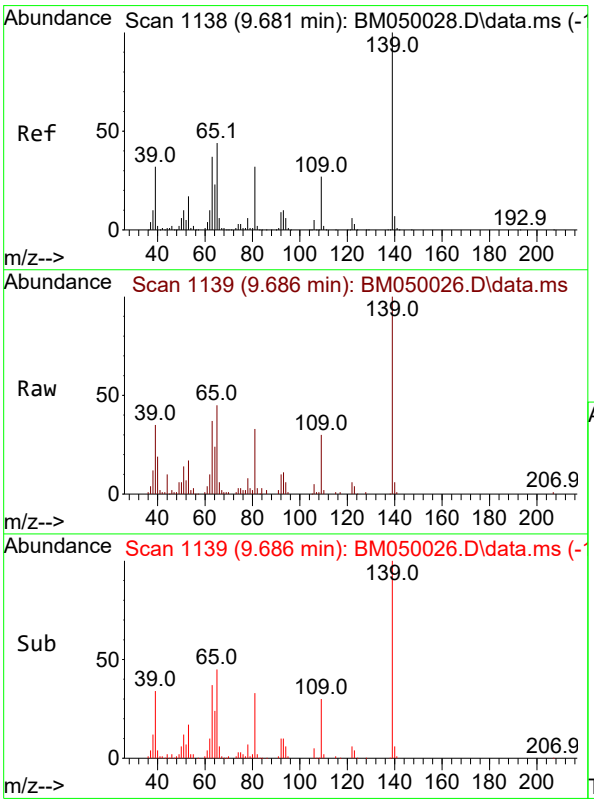
Supervised By :Jagrut Upadhyay 04/29/2025

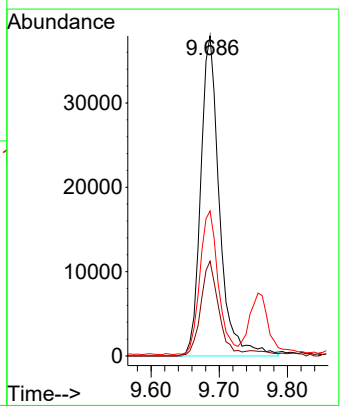


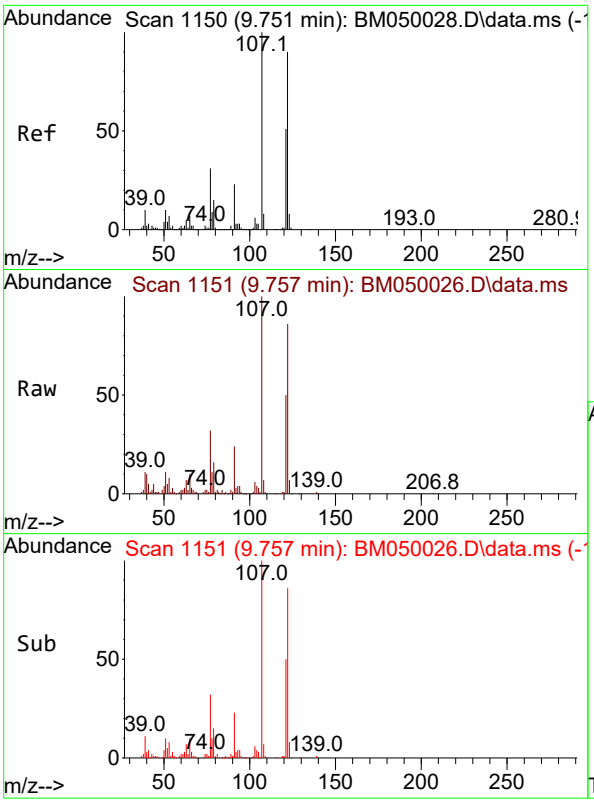


#26
2-Nitrophenol
Concen: 8.732 ng
RT: 9.686 min Scan# 1139
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:139 Resp: 72521

Ion	Ratio	Lower	Upper
139	100		
109	29.6	21.9	32.9
65	45.3	35.4	53.2

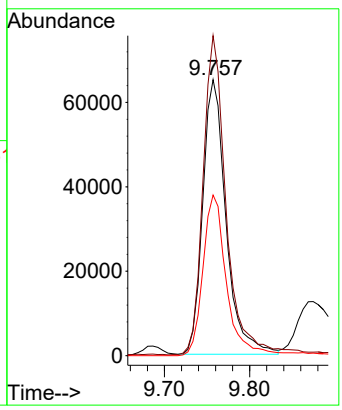




#27
2,4-Dimethylphenol
Concen: 8.960 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:122 Resp: 12340

Ion	Ratio	Lower	Upper
122	100		
107	115.9	89.0	133.6
121	58.2	45.6	68.4



Instrument :
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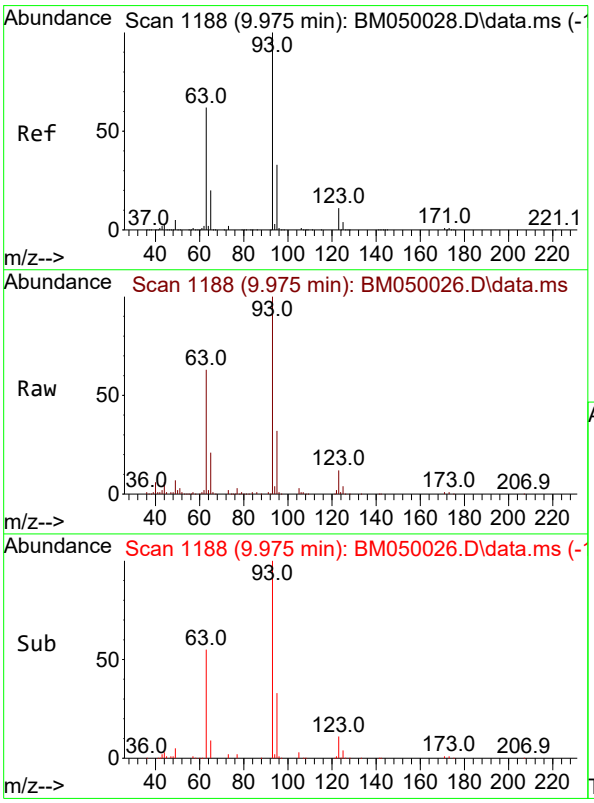
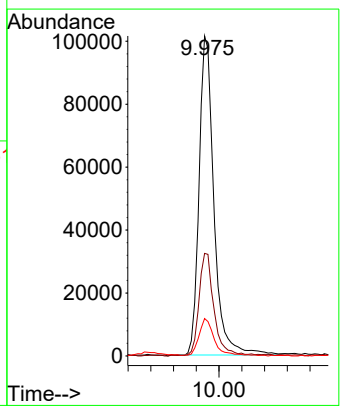
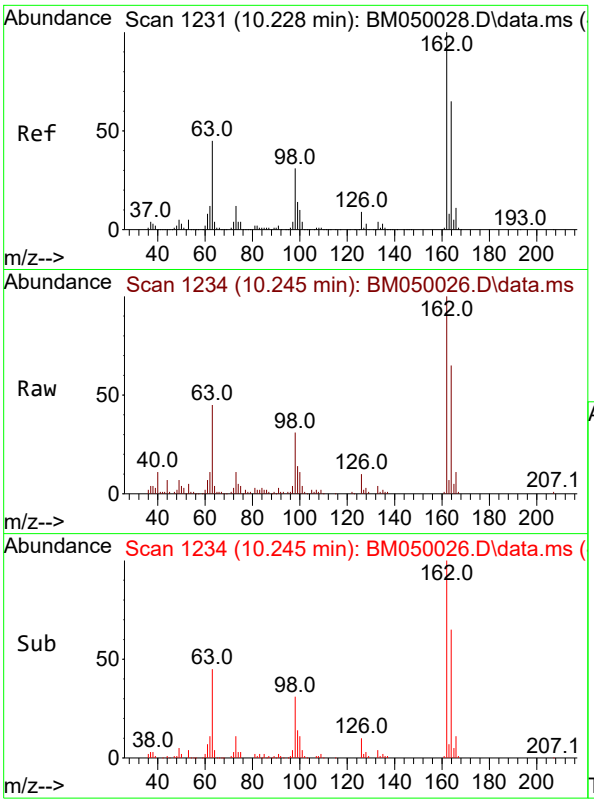


#28
bis(2-Chloroethoxy)methane
Concen: 9.331 ng
RT: 9.975 min Scan# 1188
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 93 Resp: 184837

Ion	Ratio	Lower	Upper
93	100		
95	32.0	26.1	39.1
123	11.7	9.5	14.3

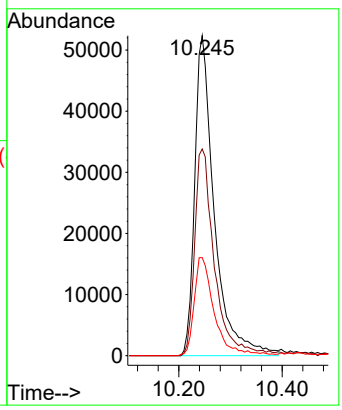




#29
2,4-Dichlorophenol
Concen: 8.938 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.018 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:162 Resp: 13791

Ion	Ratio	Lower	Upper
162	100		
164	64.6	45.4	85.4
98	30.7	11.3	51.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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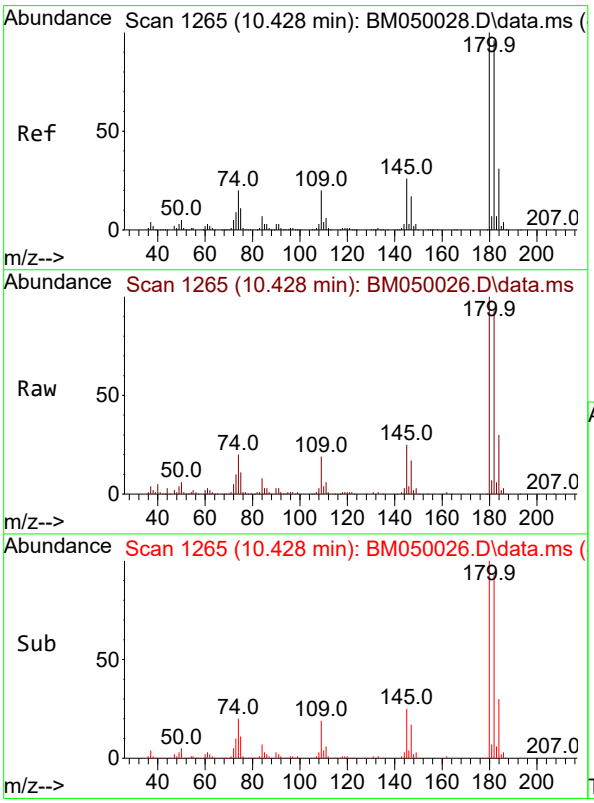
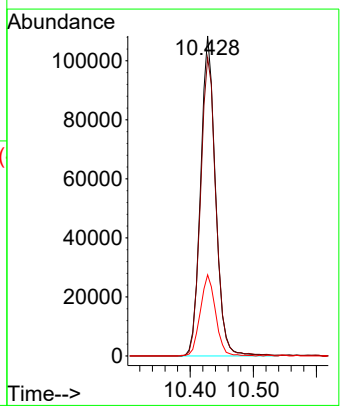
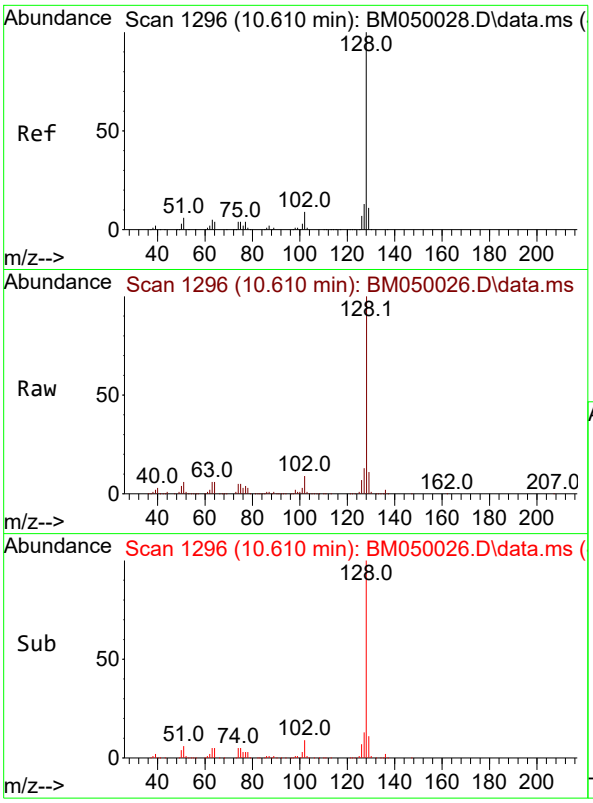


#30
1,2,4-Trichlorobenzene
Concen: 9.453 ng
RT: 10.428 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:180 Resp: 177721

Ion	Ratio	Lower	Upper
180	100		
182	93.2	77.0	115.4
145	25.3	20.6	30.8

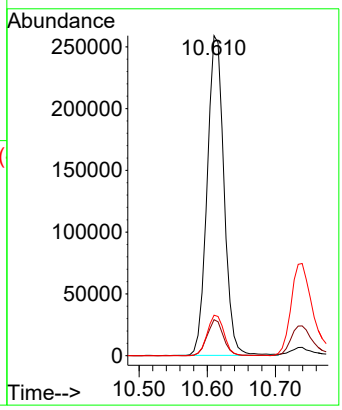




#31
Naphthalene
Concen: 9.467 ng
RT: 10.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:128 Resp: 44420

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	12.7	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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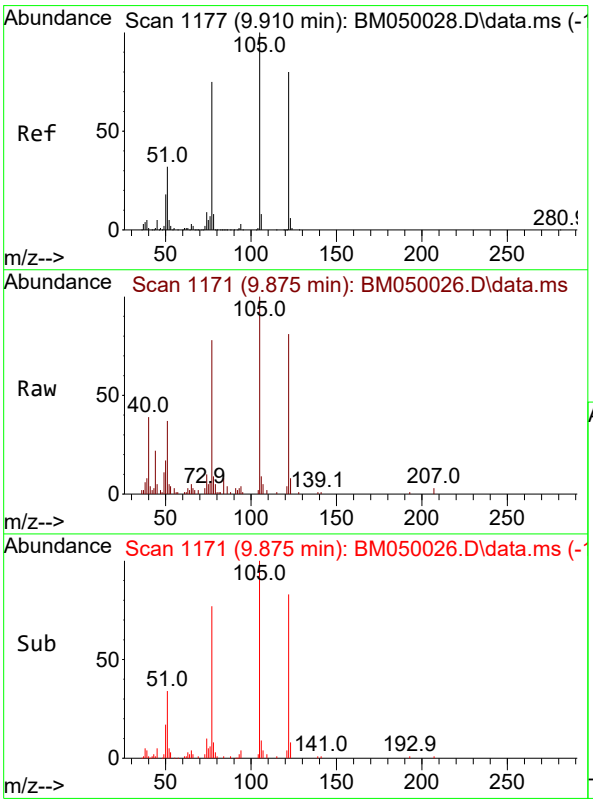
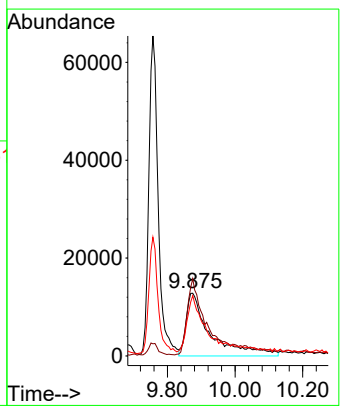
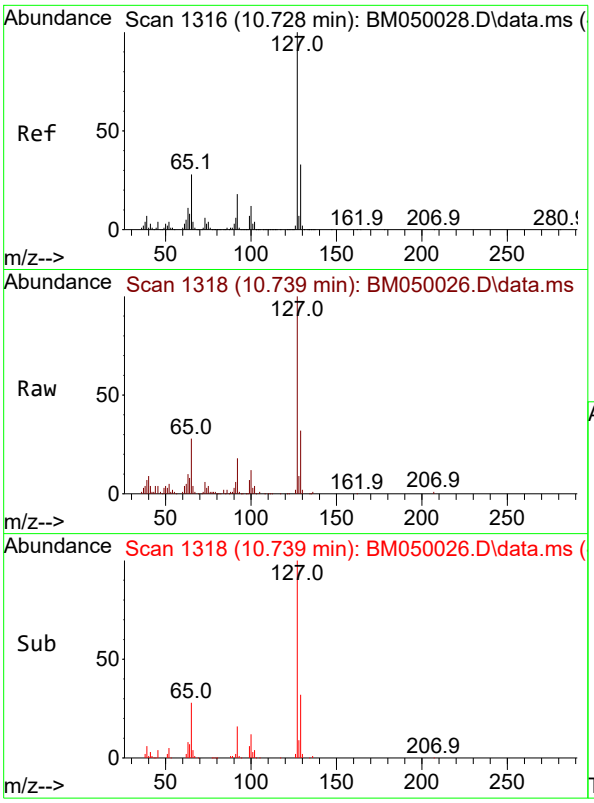


#32
Benzoic acid
Concen: 7.282 ng m
RT: 9.875 min Scan# 1171
Delta R.T. -0.035 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:122 Resp: 63971

Ion	Ratio	Lower	Upper
122	100		
105	123.3	103.6	143.6
77	96.2	73.7	113.7

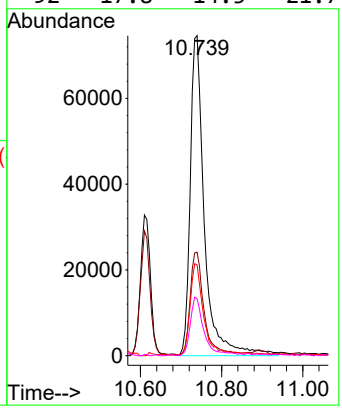




#33
4-Chloroaniline
Concen: 9.458 ng
RT: 10.739 min Scan# 1
Delta R.T. 0.012 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:127 Resp: 18190

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.3	39.5
65	28.4	22.5	33.7
92	17.8	14.5	21.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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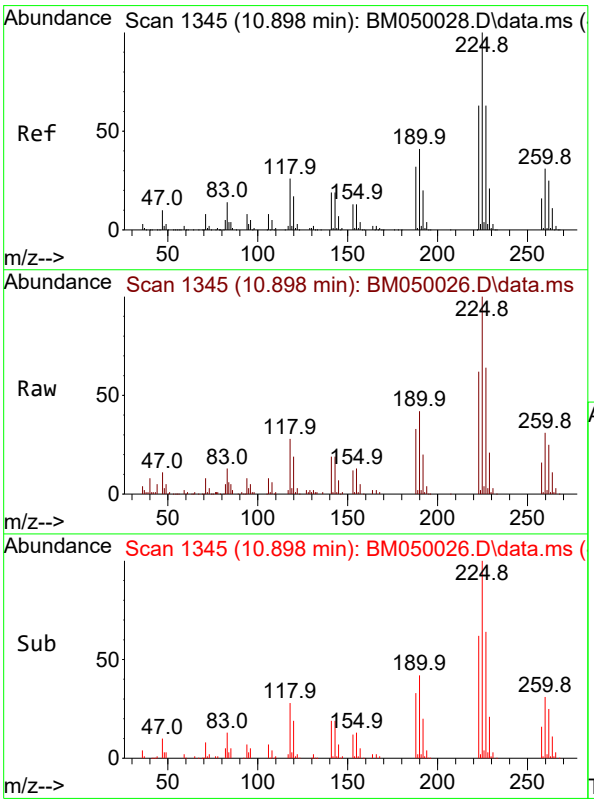
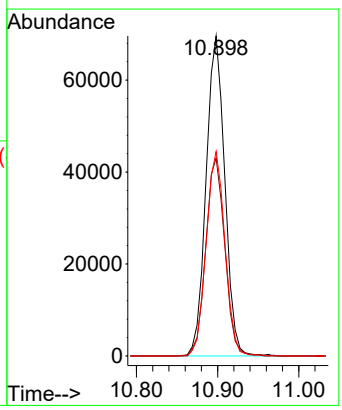
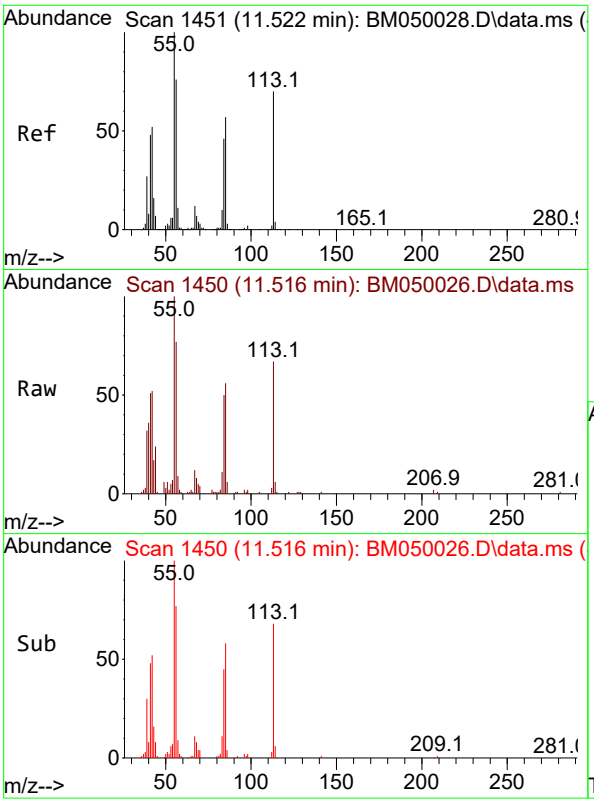


#34
Hexachlorobutadiene
Concen: 9.327 ng
RT: 10.898 min Scan# 1345
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:225 Resp: 111307

Ion	Ratio	Lower	Upper
225	100		
223	61.9	50.2	75.2
227	63.9	50.6	76.0





#35
Caprolactam
Concen: 8.745 ng
RT: 11.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:113 Resp: 3934

Ion	Ratio	Lower	Upper
113	100		
55	150.2	122.9	162.9
56	115.3	88.1	128.1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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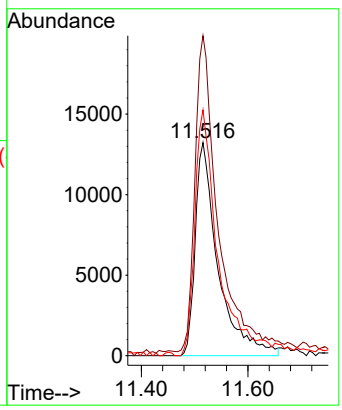
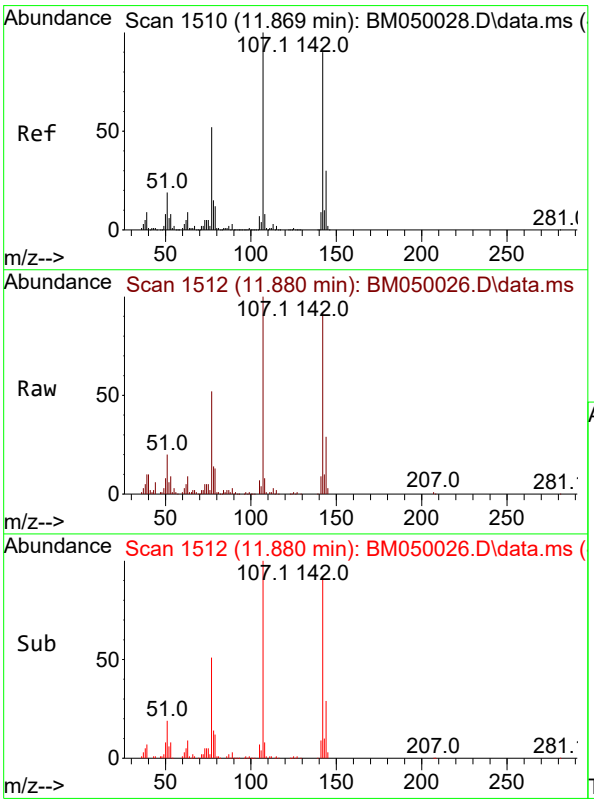
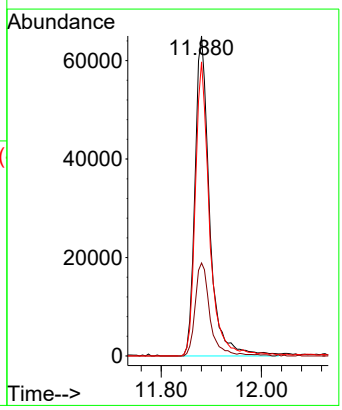


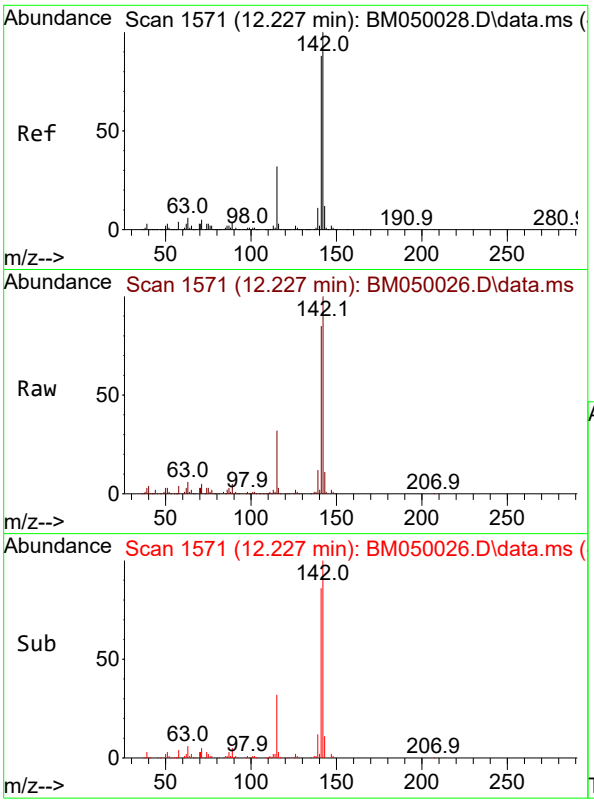


#36
4-Chloro-3-methylphenol
Concen: 9.194 ng
RT: 11.880 min Scan# 1512
Delta R.T. 0.012 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:107 Resp: 131076

Ion	Ratio	Lower	Upper
107	100		
144	29.1	23.8	35.6
142	91.9	71.9	107.9

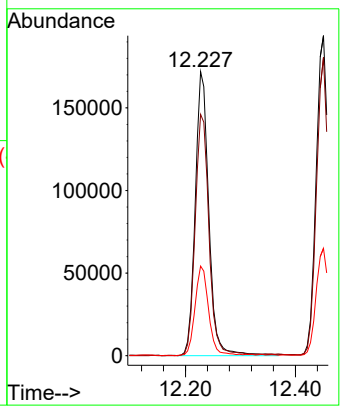




#37
2-Methylnaphthalene
Concen: 9.411 ng
RT: 12.227 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:142 Resp: 29605

Ion	Ratio	Lower	Upper
142	100		
141	85.0	70.4	105.6
115	31.5	25.4	38.2



Instrument :
BNA_M
ClientSampleId :
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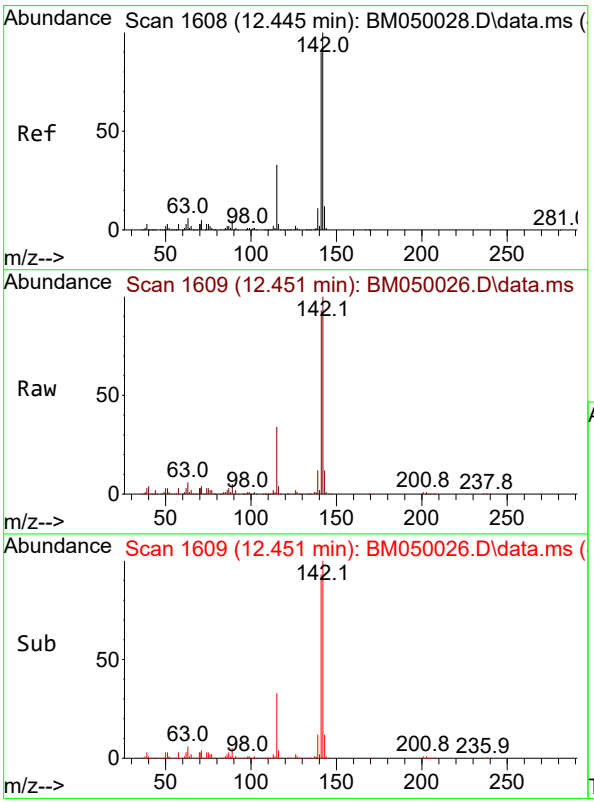
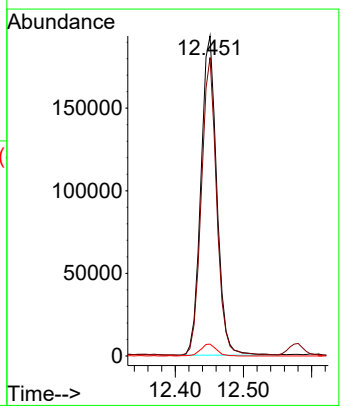
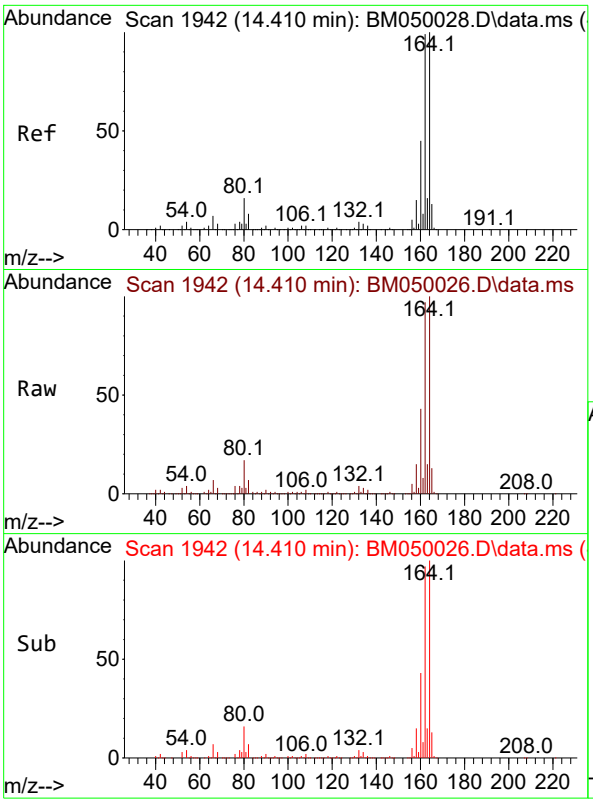


#38
1-Methylnaphthalene
Concen: 9.387 ng
RT: 12.451 min Scan# 1609
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:142 Resp: 312512

Ion	Ratio	Lower	Upper
142	100		
141	93.3	72.1	108.1
116	3.7	2.7	4.1

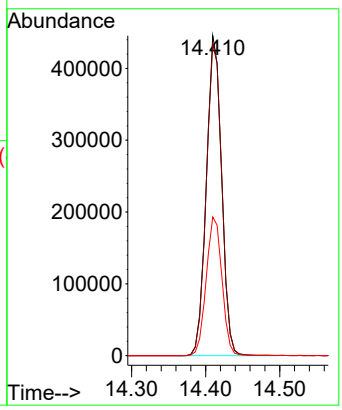




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:164 Resp: 63665

Ion	Ratio	Lower	Upper
164	100		
162	97.3	79.4	119.0
160	43.3	36.2	54.4



Instrument :
BNA_M
ClientSampleId :
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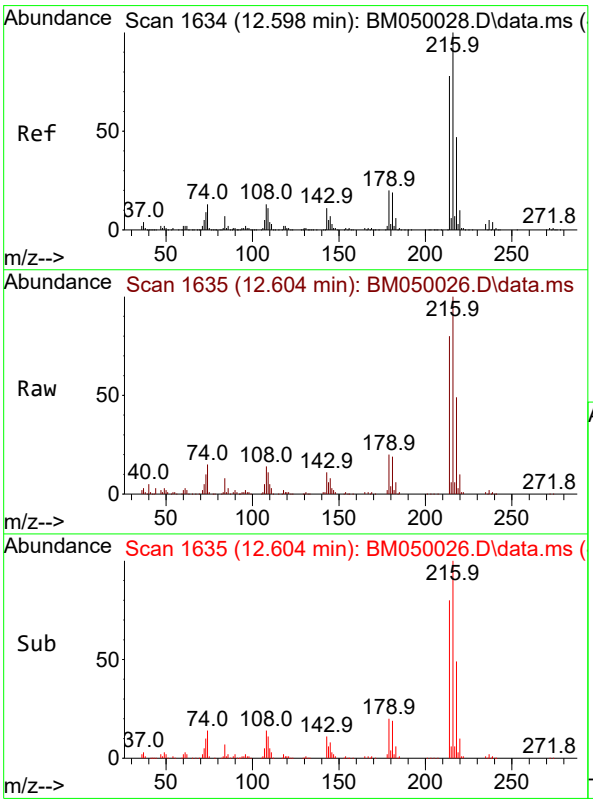
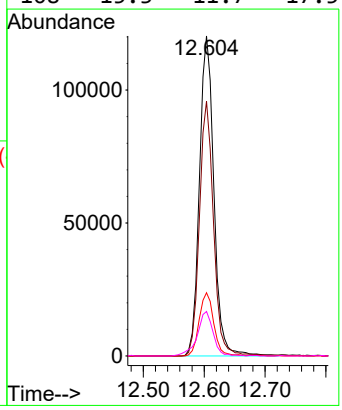
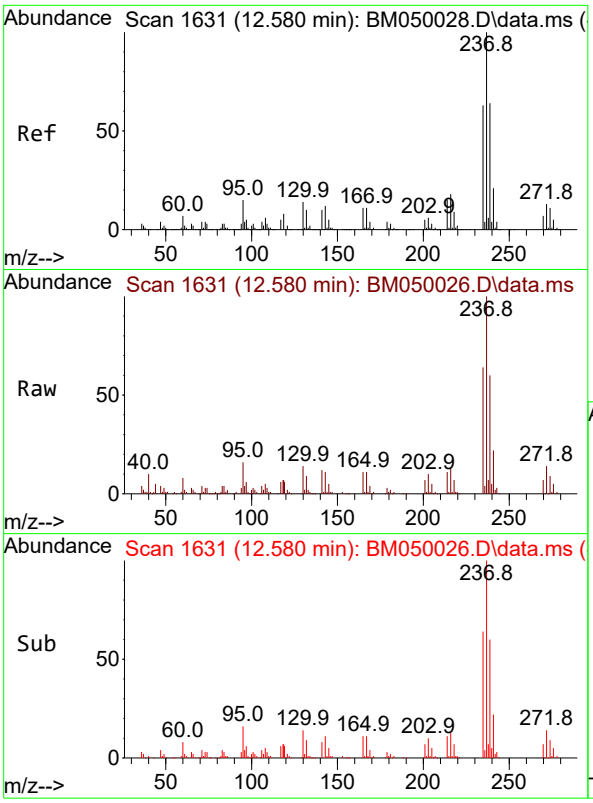


#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.981 ng
RT: 12.604 min Scan# 1635
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:216 Resp: 197943

Ion	Ratio	Lower	Upper
216	100		
214	77.7	62.3	93.5
179	20.0	15.4	23.0
108	15.3	11.7	17.5





#41
Hexachlorocyclopentadiene
Concen: 7.166 ng
RT: 12.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:237 Resp: 9652

Ion	Ratio	Lower	Upper
237	100		
235	63.6	42.9	82.9
272	14.5	0.0	32.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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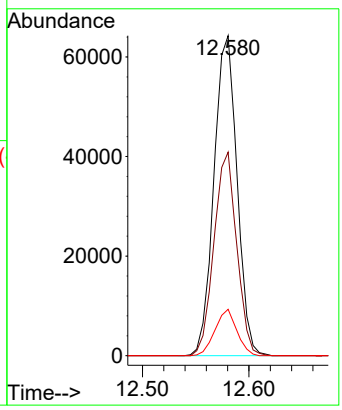
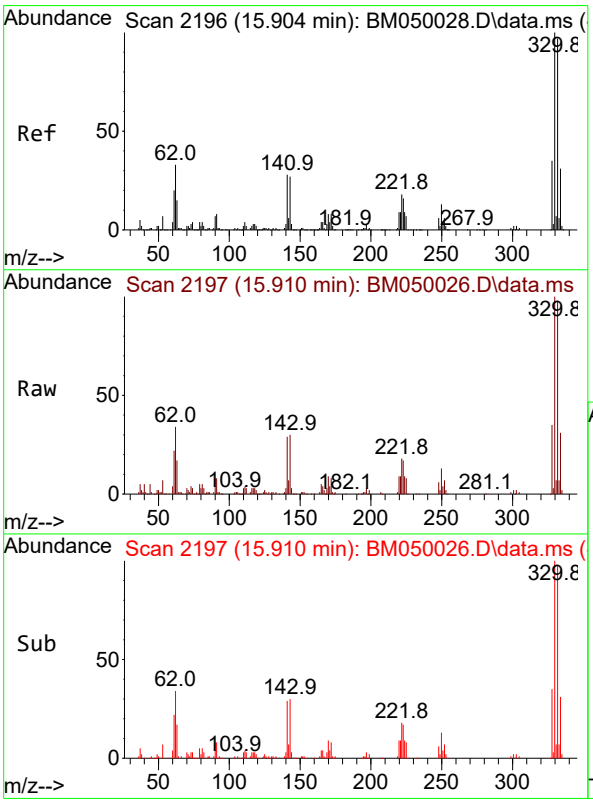
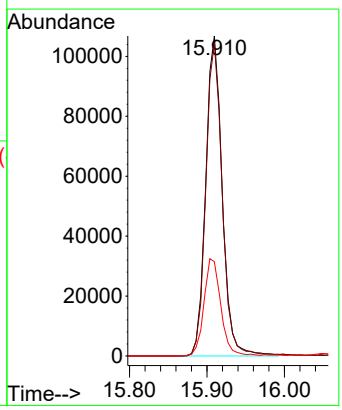


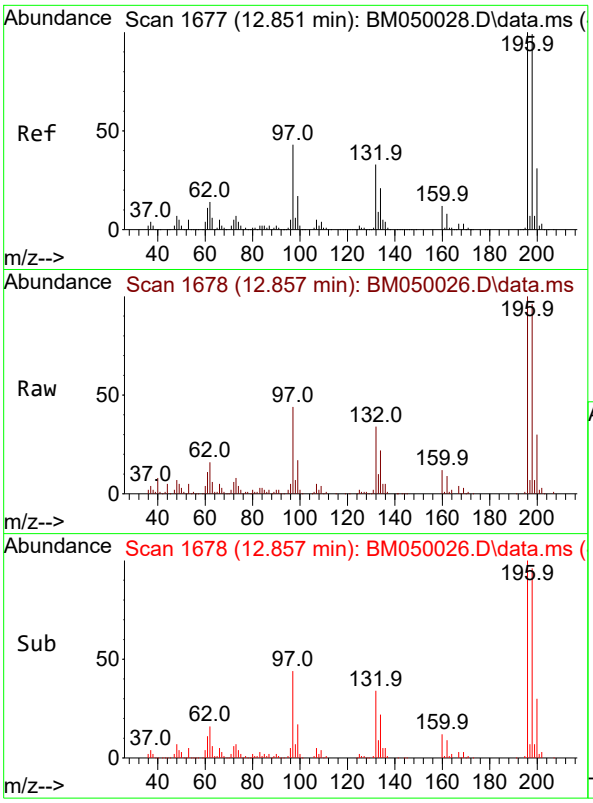


#42
2,4,6-Tribromophenol
Concen: 16.820 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:330 Resp: 158339

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.3	115.9
141	31.1	22.5	33.7

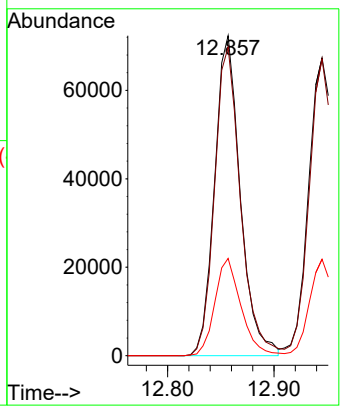




#43
2,4,6-Trichlorophenol
Concen: 8.673 ng
RT: 12.857 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:196 Resp: 12124

Ion	Ratio	Lower	Upper
196	100		
198	96.5	79.0	118.6
200	30.4	25.1	37.7



Instrument :
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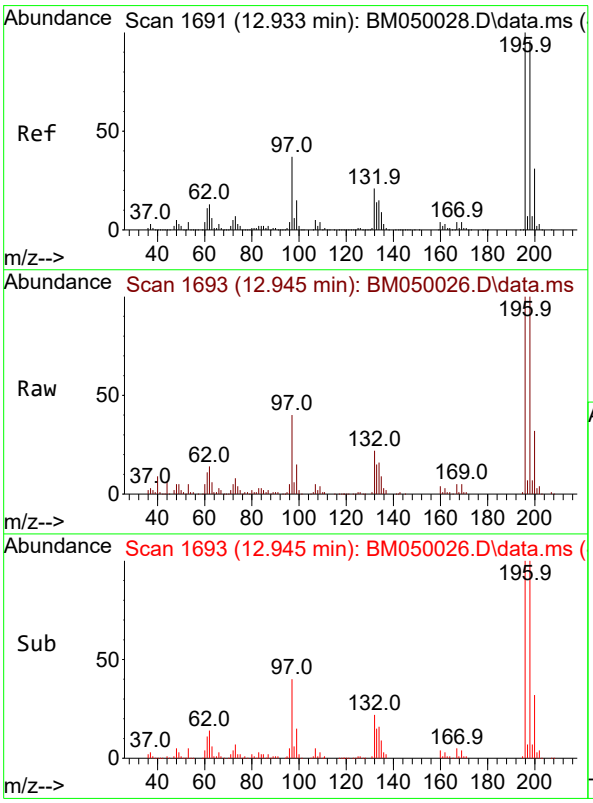
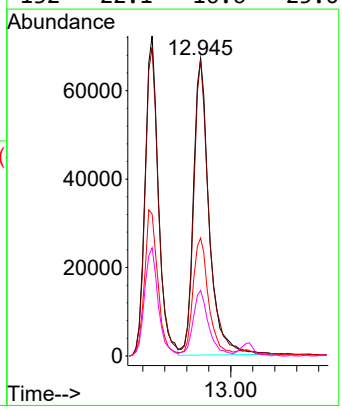
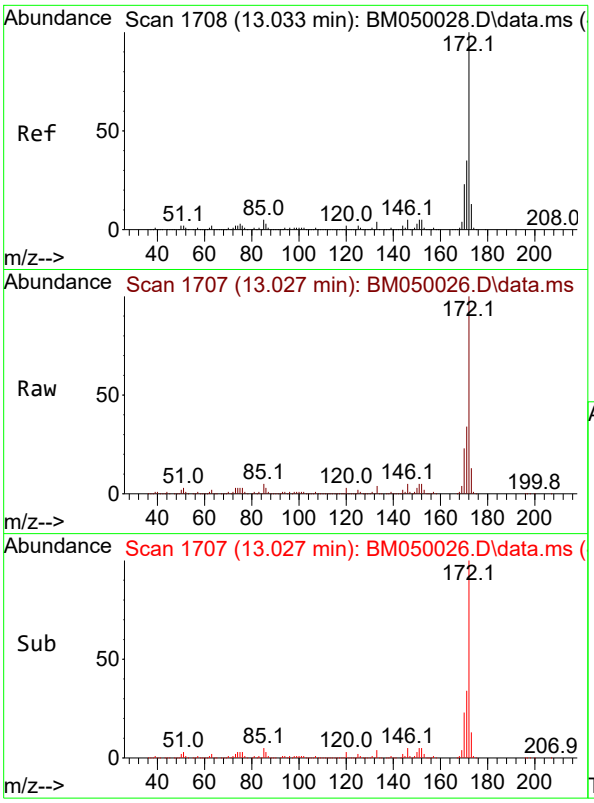


#44
2,4,5-Trichlorophenol
Concen: 8.815 ng
RT: 12.945 min Scan# 1693
Delta R.T. 0.012 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:196 Resp: 132882

Ion	Ratio	Lower	Upper
196	100		
198	99.7	76.7	115.1
97	39.6	30.1	45.1
132	22.1	16.6	25.0

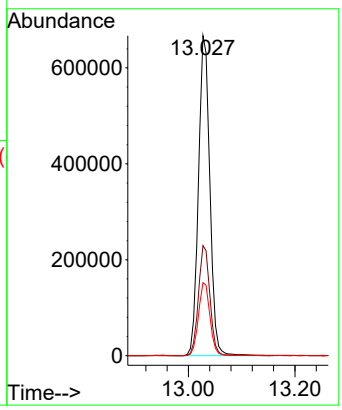




#45
2-Fluorobiphenyl
Concen: 18.394 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:172 Resp: 98991

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.8	41.6
170	22.8	18.6	28.0



Instrument :
BNA_M
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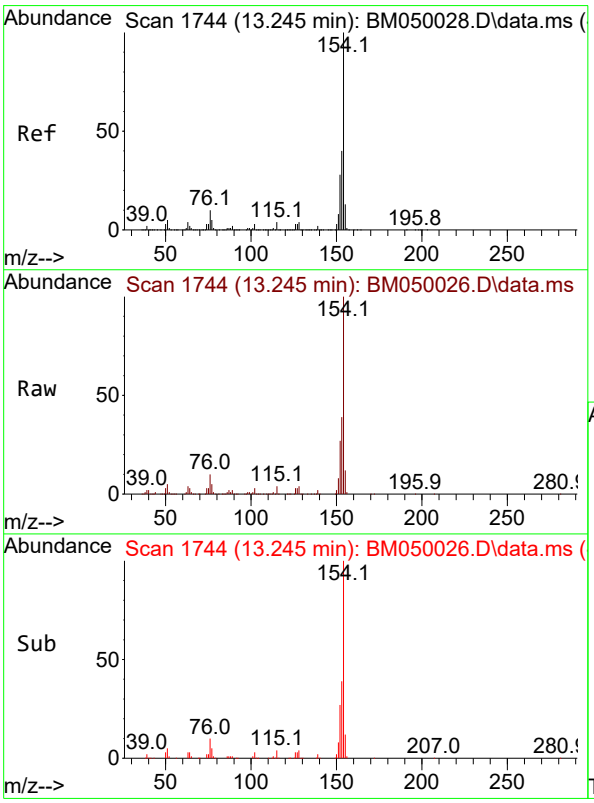
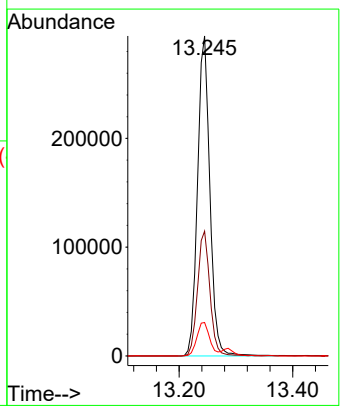
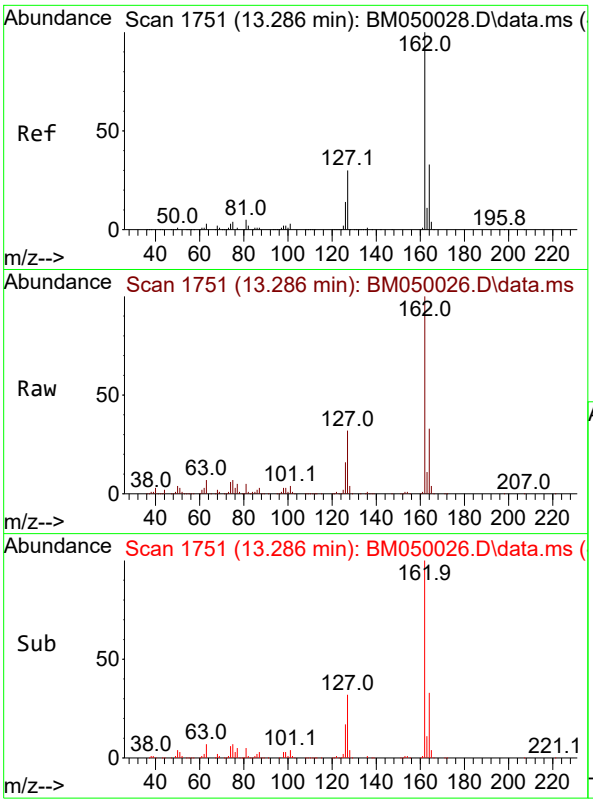


#46
1,1'-Biphenyl
Concen: 9.381 ng
RT: 13.245 min Scan# 1744
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:154 Resp: 443960

Ion	Ratio	Lower	Upper
154	100		
153	39.0	20.0	60.0
76	10.4	0.0	30.3

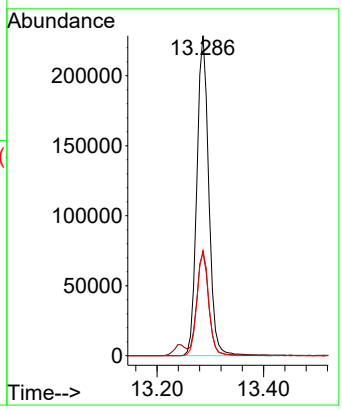




#47
2-Chloronaphthalene
Concen: 9.447 ng
RT: 13.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:162 Resp: 35410

Ion	Ratio	Lower	Upper
162	100		
127	32.3	25.9	38.9
164	32.8	26.6	40.0



Instrument :
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ClientSampleId :
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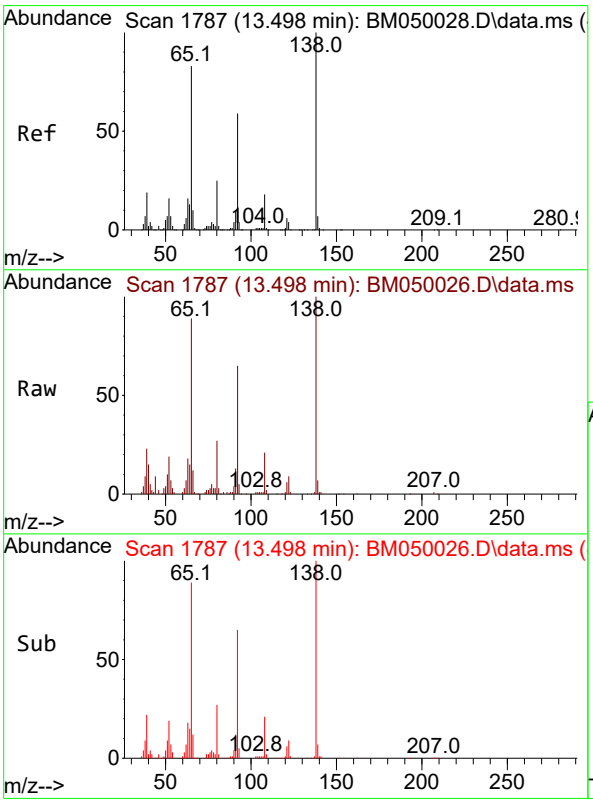
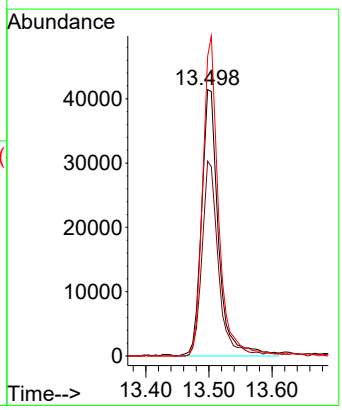
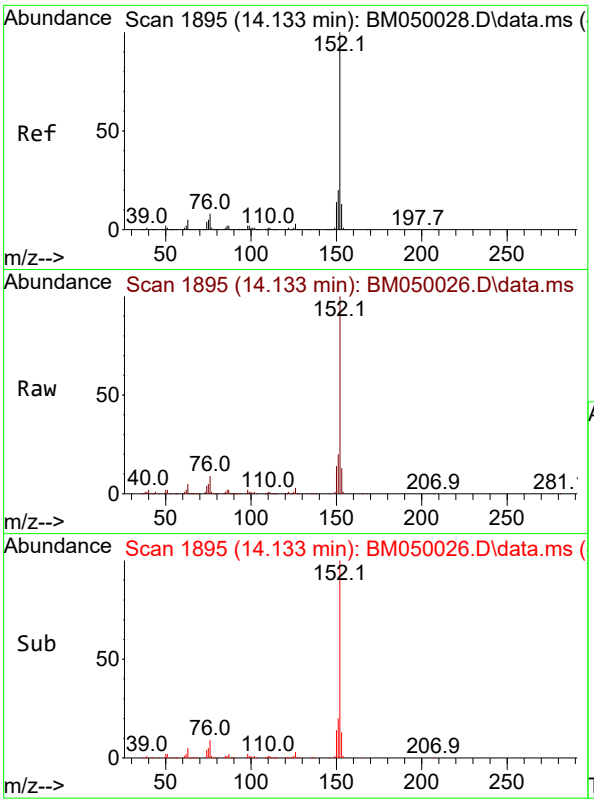


#48
2-Nitroaniline
Concen: 8.764 ng
RT: 13.498 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 65 Resp: 77101

Ion	Ratio	Lower	Upper
65	100		
92	73.1	57.1	85.7
138	112.5	97.0	145.4

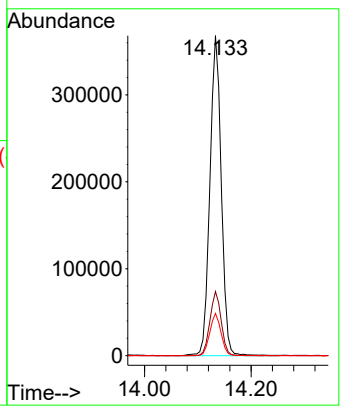




#49
Acenaphthylene
Concen: 9.235 ng
RT: 14.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:152 Resp: 54577

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.8
153	13.2	10.6	15.8



Instrument :
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ClientSampleId :
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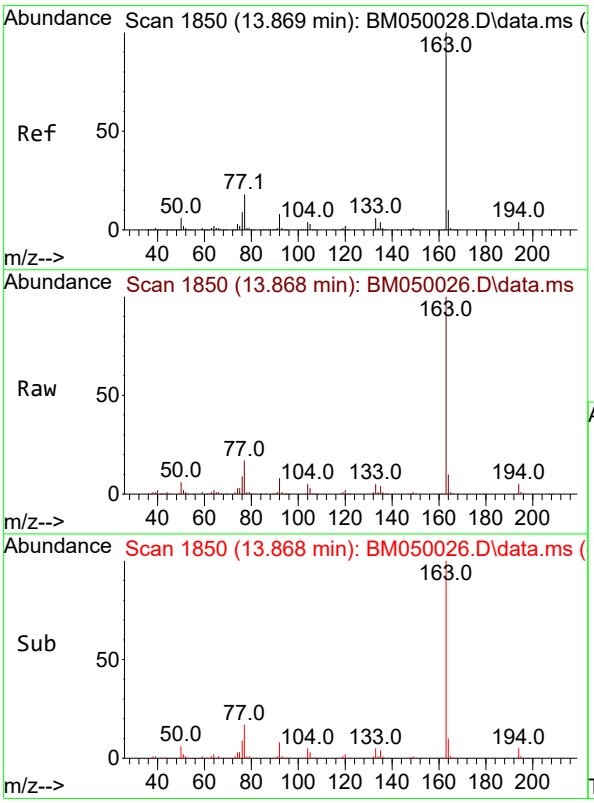
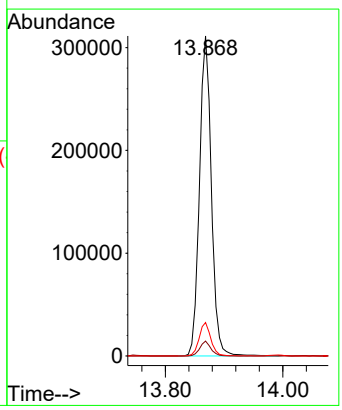
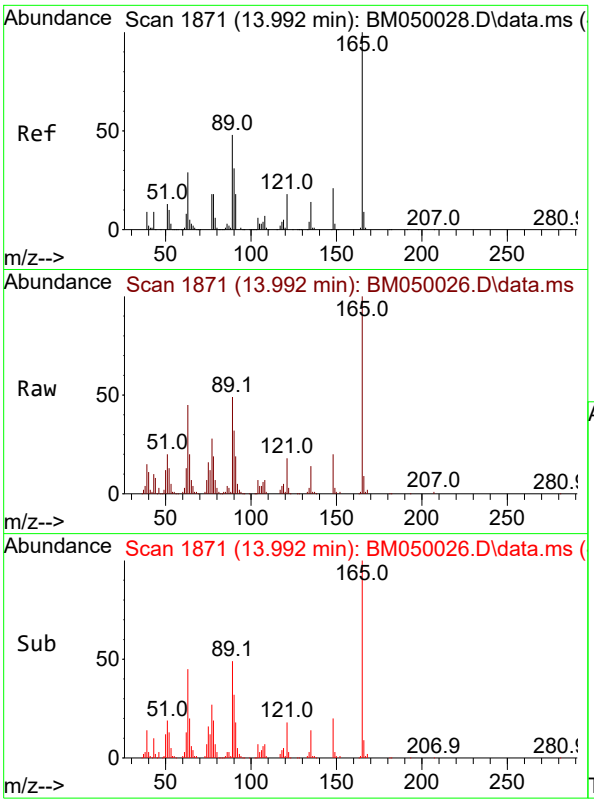


#50
Dimethylphthalate
Concen: 9.419 ng
RT: 13.868 min Scan# 1850
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:163 Resp: 438261

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.4	5.2
164	10.5	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 8.953 ng
RT: 13.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:165 Resp: 8624

Ion	Ratio	Lower	Upper
165	100		
63	45.5	35.1	52.7
89	48.7	38.4	57.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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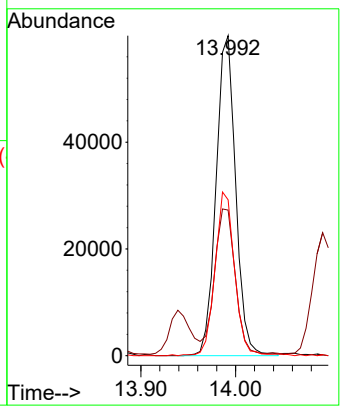
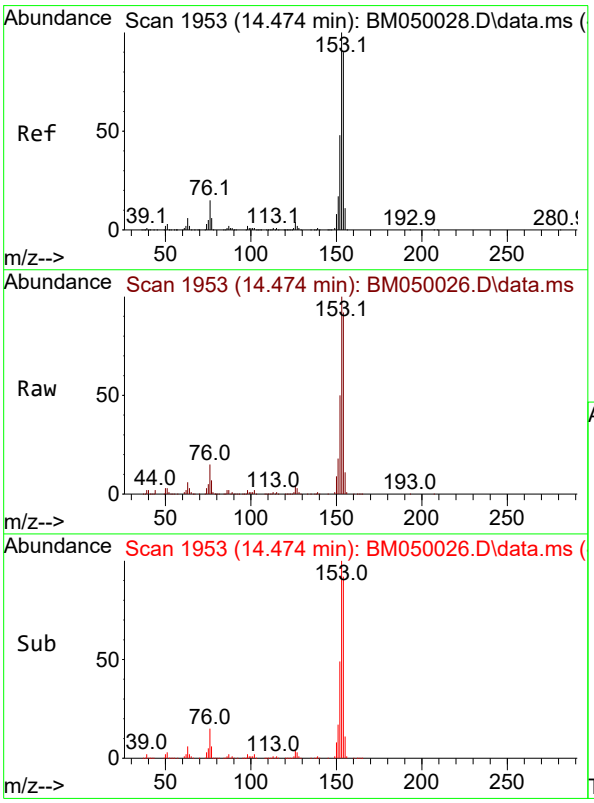
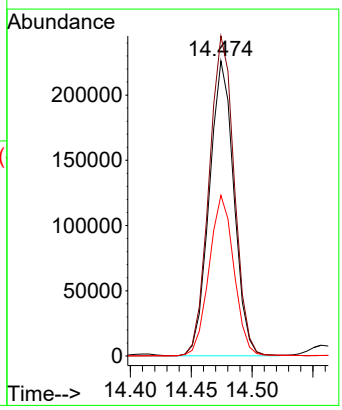


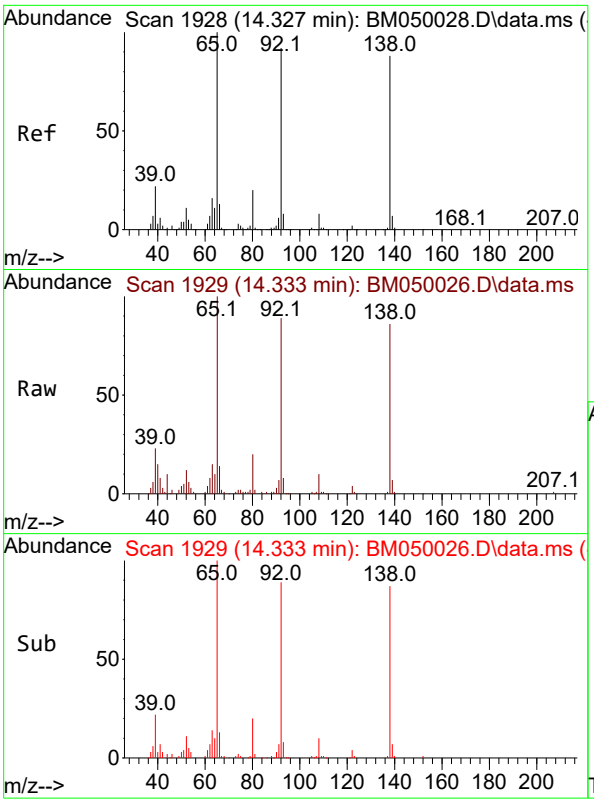


#52
Acenaphthene
Concen: 9.288 ng
RT: 14.474 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:154 Resp: 317735

Ion	Ratio	Lower	Upper
154	100		
153	108.5	89.0	133.4
152	54.5	43.0	64.6

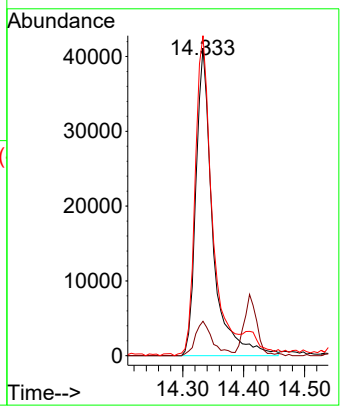




#53
3-Nitroaniline
Concen: 8.559 ng
RT: 14.333 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:138 Resp: 7872

Ion	Ratio	Lower	Upper
138	100		
108	11.2	7.4	11.2
92	104.0	84.0	126.0



Instrument :
BNA_M
ClientSampleId :
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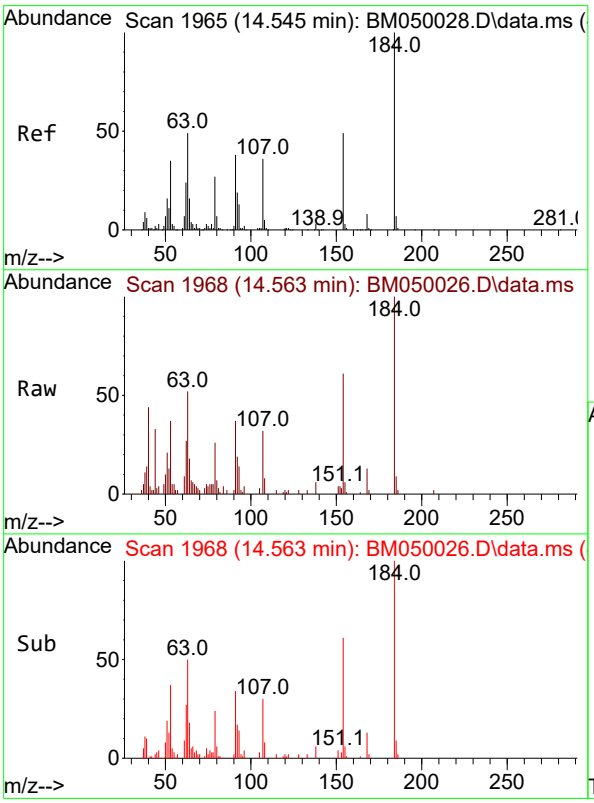
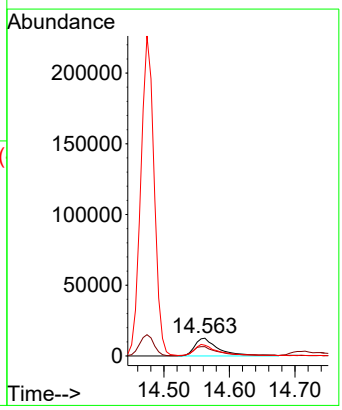
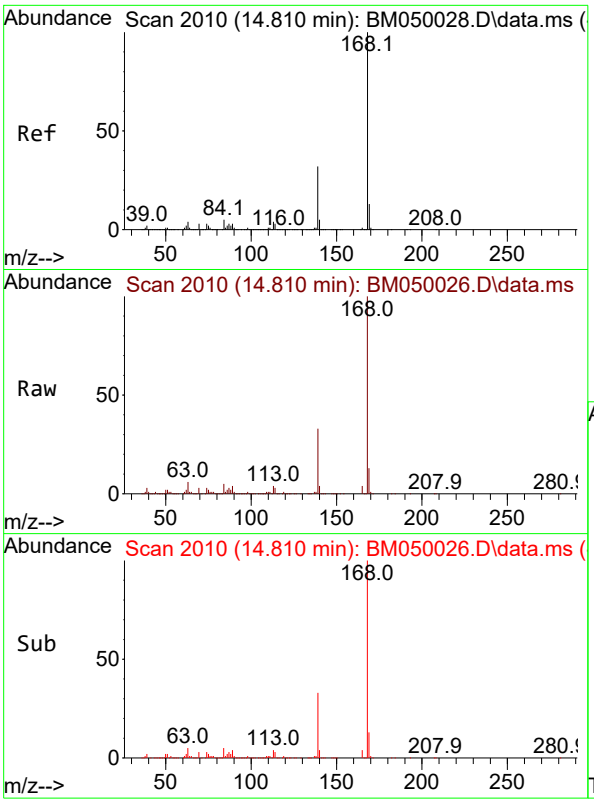


#54
2,4-Dinitrophenol
Concen: 10.558 ng
RT: 14.563 min Scan# 1968
Delta R.T. 0.018 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:184 Resp: 31979

Ion	Ratio	Lower	Upper
184	100		
63	52.1	39.8	59.6
154	60.9	46.1	69.1

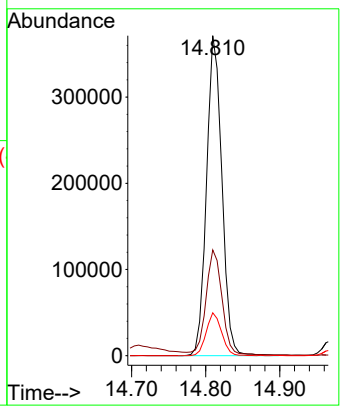




#55
Dibenzofuran
Concen: 9.401 ng
RT: 14.810 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:168 Resp: 53502

Ion	Ratio	Lower	Upper
168	100		
139	33.0	26.1	39.1
169	13.4	10.8	16.2



Instrument :
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ClientSampleId :
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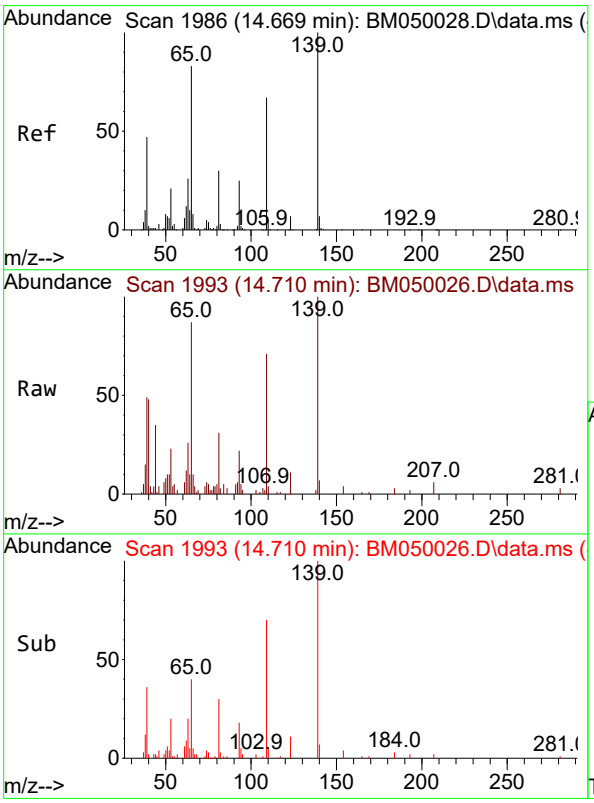
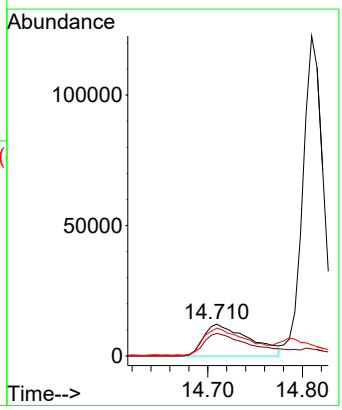
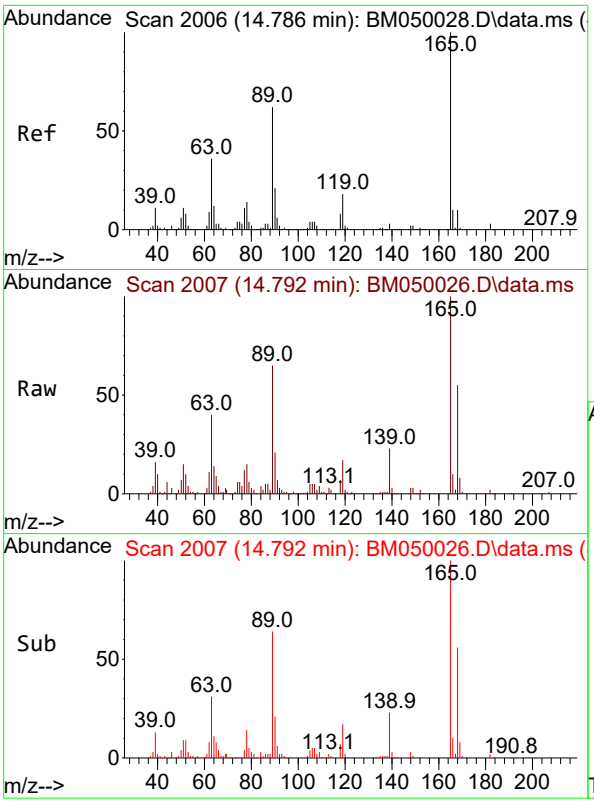


#56
4-Nitrophenol
Concen: 9.668 ng
RT: 14.710 min Scan# 1993
Delta R.T. 0.041 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:139 Resp: 40722

Ion	Ratio	Lower	Upper
139	100		
109	70.7	47.0	87.0
65	87.5	64.3	104.3

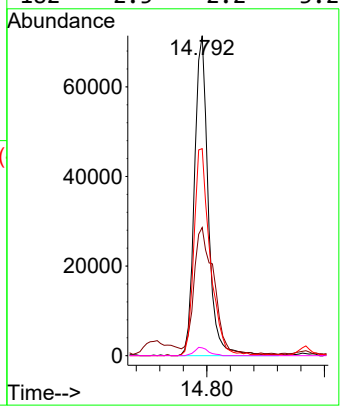




#57
2,4-Dinitrotoluene
Concen: 8.750 ng
RT: 14.792 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:165 Resp: 11647

Ion	Ratio	Lower	Upper
165	100		
63	40.1	29.0	43.6
89	64.7	49.4	74.2
182	2.5	2.2	3.2



Instrument :
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ClientSampleId :
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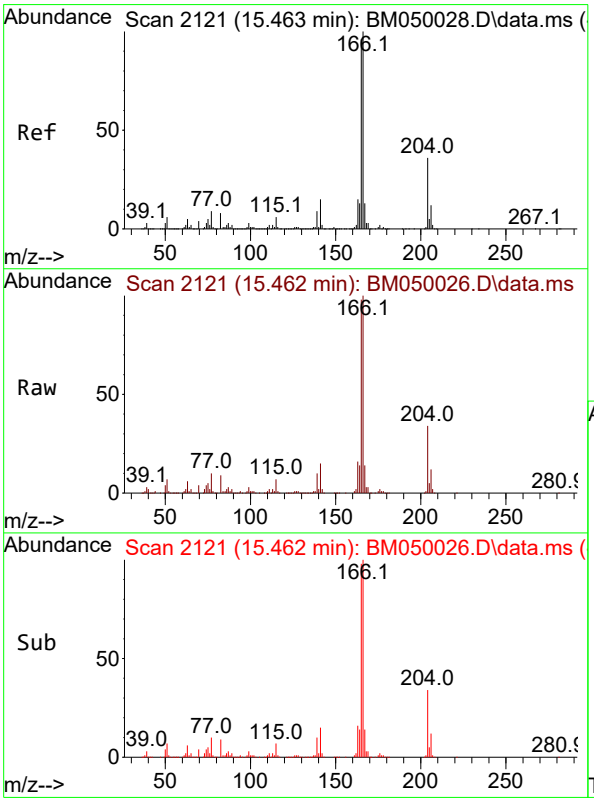
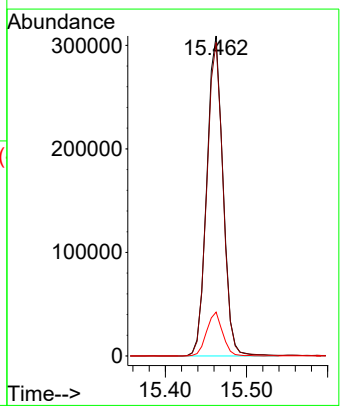
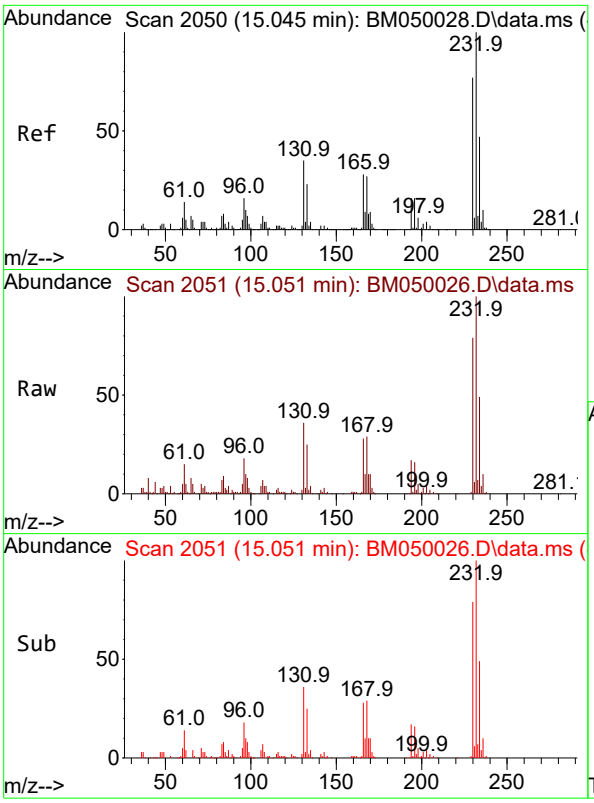


#58
Fluorene
Concen: 9.174 ng
RT: 15.462 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:166 Resp: 427384

Ion	Ratio	Lower	Upper
166	100		
165	98.0	76.6	115.0
167	13.7	10.6	16.0

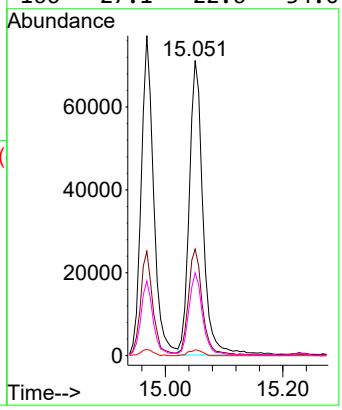




#59
2,3,4,6-Tetrachlorophenol
Concen: 8.828 ng
RT: 15.051 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:232 Resp: 11518

Ion	Ratio	Lower	Upper
232	100		
131	36.2	28.2	42.4
130	2.0	1.5	2.3
166	27.1	22.6	34.0



Instrument :
BNA_M
ClientSampleId :
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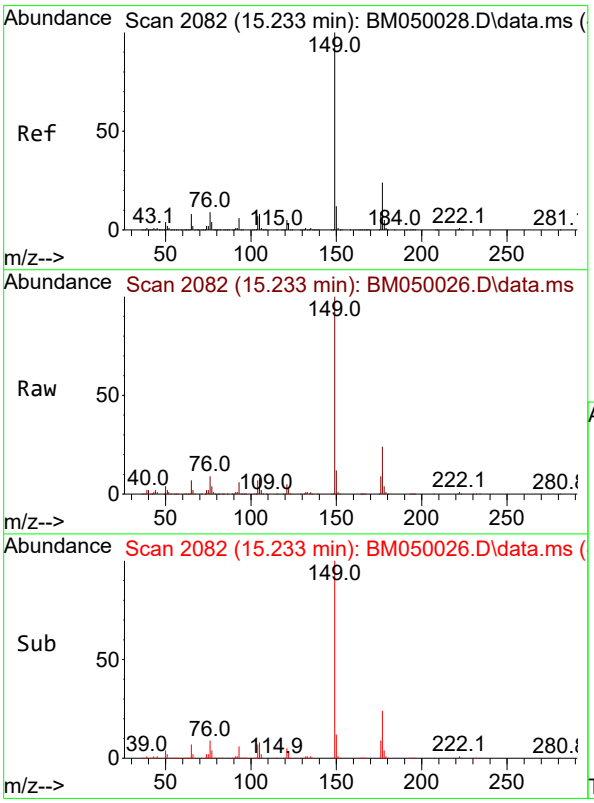
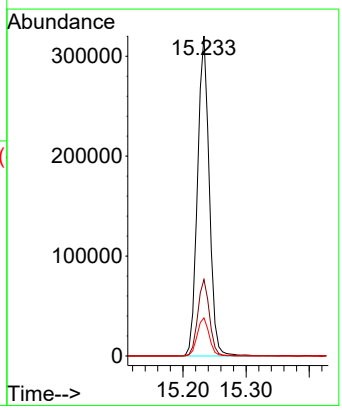
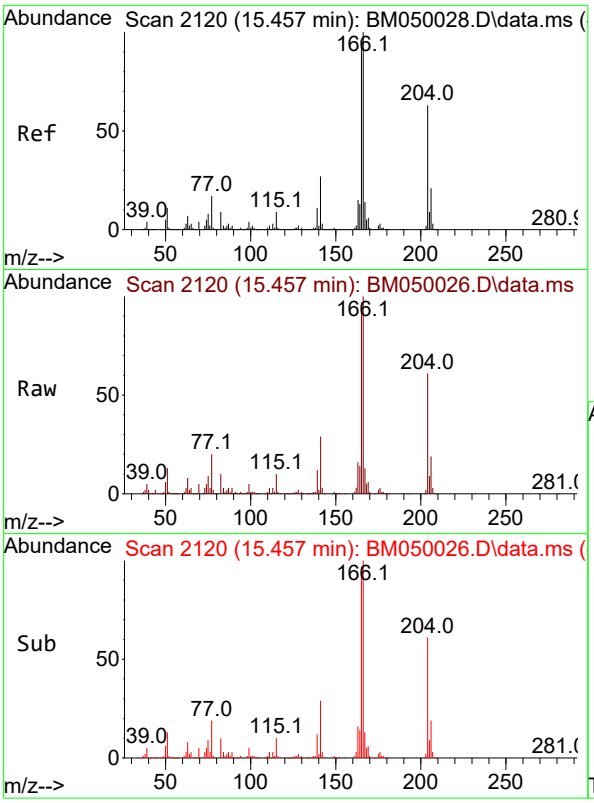


#60
Diethylphthalate
Concen: 9.447 ng
RT: 15.233 min Scan# 2082
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:149 Resp: 414149

Ion	Ratio	Lower	Upper
149	100		
177	23.9	19.1	28.7
150	11.9	9.6	14.4

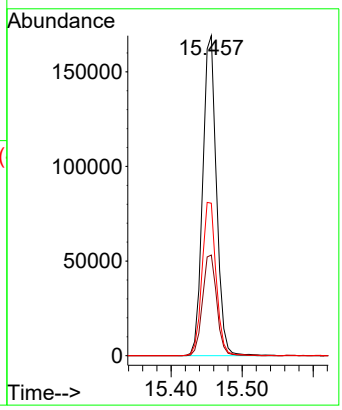




#61
4-Chlorophenyl-phenylether
Concen: 8.908 ng
RT: 15.457 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:204 Resp: 22792

Ion	Ratio	Lower	Upper
204	100		
206	31.4	26.3	39.5
141	47.6	34.0	51.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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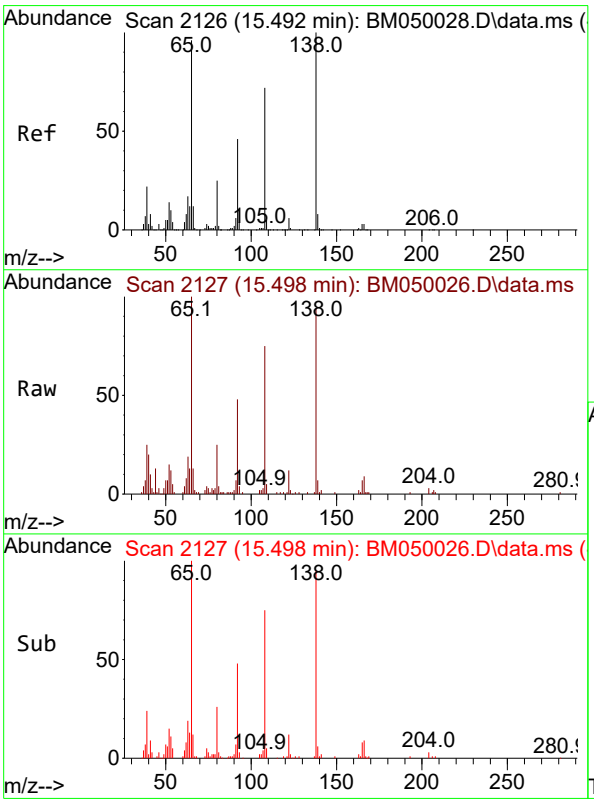
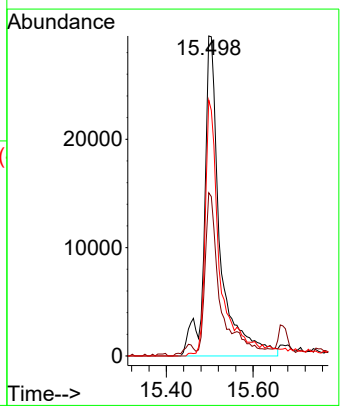
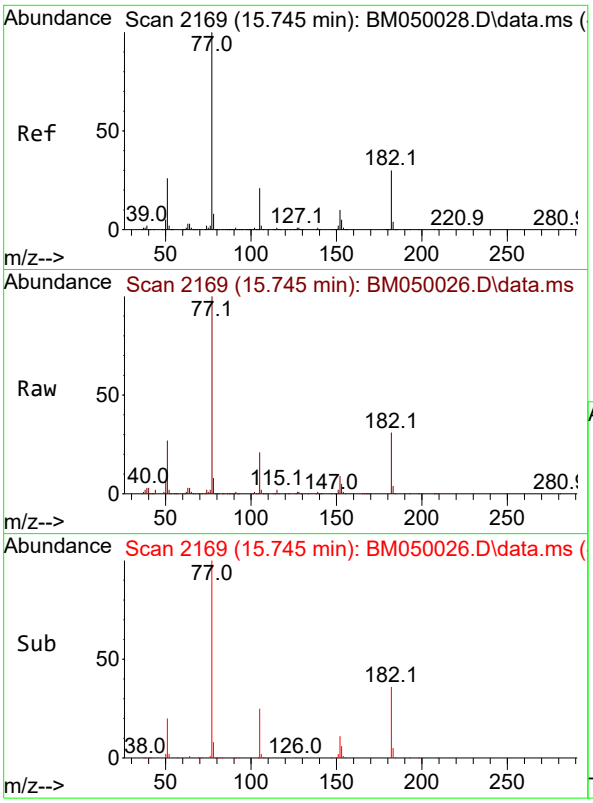


#62
4-Nitroaniline
Concen: 8.397 ng m
RT: 15.498 min Scan# 2127
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:138 Resp: 74565

Ion	Ratio	Lower	Upper
138	100		
92	51.0	25.9	65.9
108	80.0	52.4	92.4

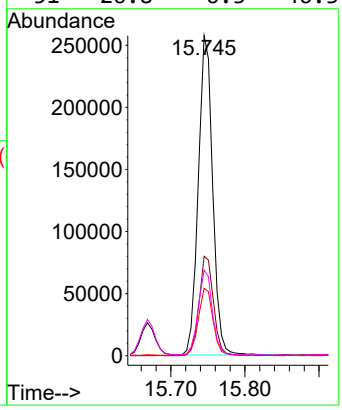




#63
Azobenzene
Concen: 9.454 ng
RT: 15.745 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 77 Resp: 34734

Ion	Ratio	Lower	Upper
77	100		
182	31.0	10.5	50.5
105	21.0	1.1	41.1
51	26.8	6.3	46.3



Instrument :
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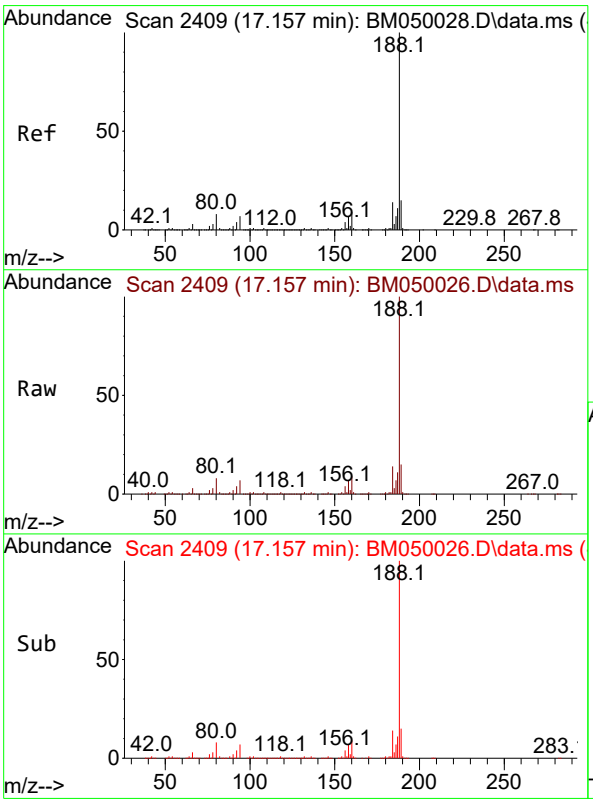
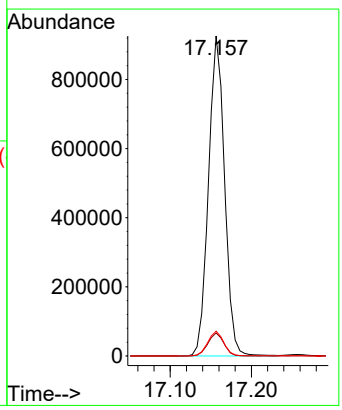
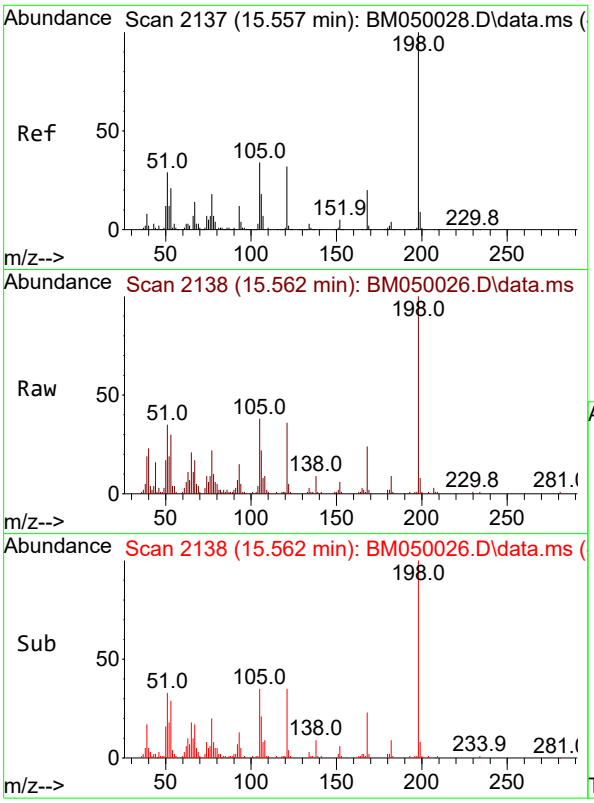


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:188 Resp: 1274608

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.7	8.5
80	7.8	6.2	9.4





#65
4,6-Dinitro-2-methylphenol
Concen: 7.042 ng
RT: 15.562 min Scan# 2
Delta R.T. 0.005 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:198 Resp: 5618

Ion	Ratio	Lower	Upper
198	100		
51	34.7	10.4	50.4
105	38.2	14.6	54.6

Instrument :
BNA_M
ClientSampleId :
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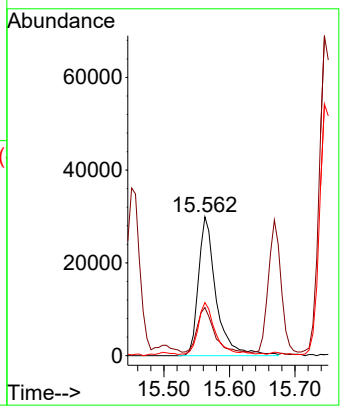
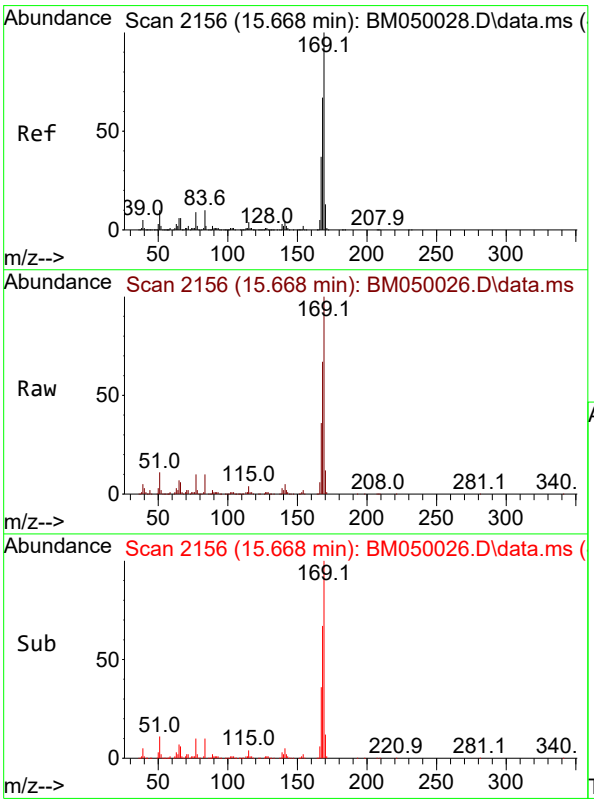
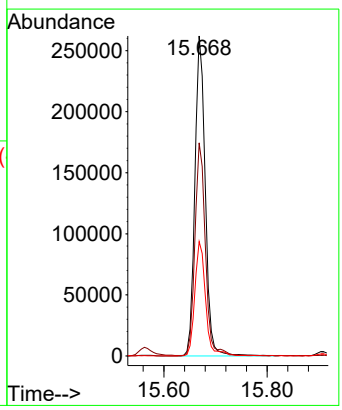


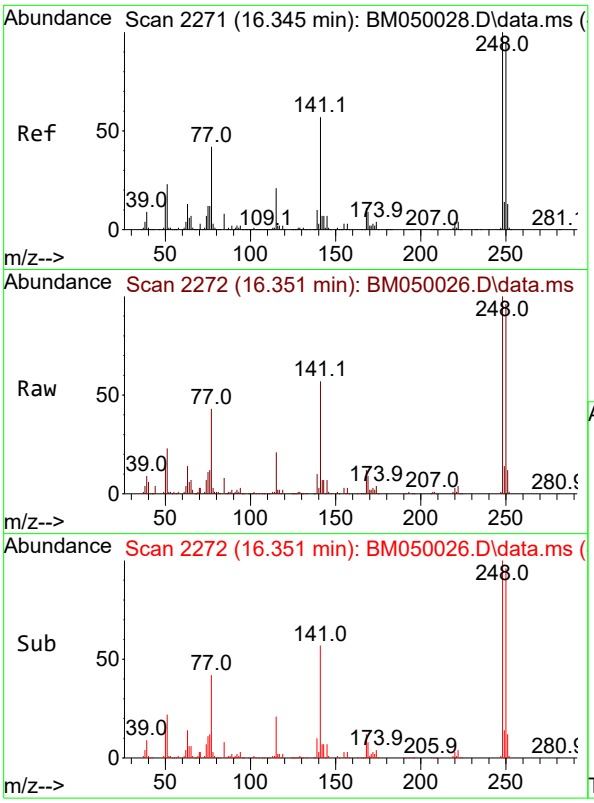


#66
n-Nitrosodiphenylamine
Concen: 9.315 ng
RT: 15.668 min Scan# 2156
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:169 Resp: 364601

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.4	80.2
167	35.8	29.4	44.0





#67
4-Bromophenyl-phenylether
Concen: 8.923 ng
RT: 16.351 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:248 Resp: 13753

Ion	Ratio	Lower	Upper
248	100		
250	96.1	76.2	114.2
141	57.1	45.9	68.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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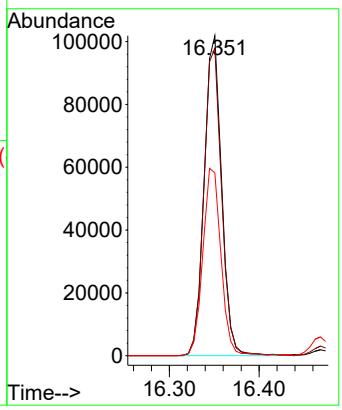
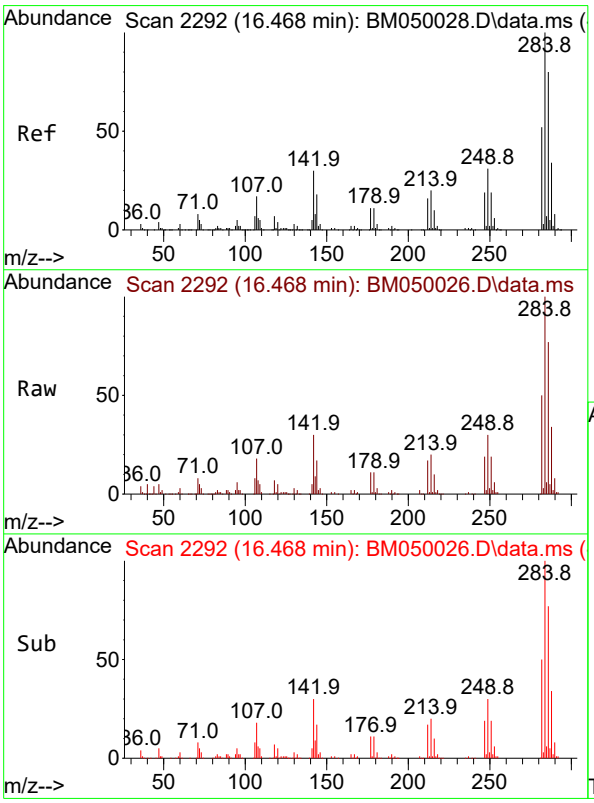
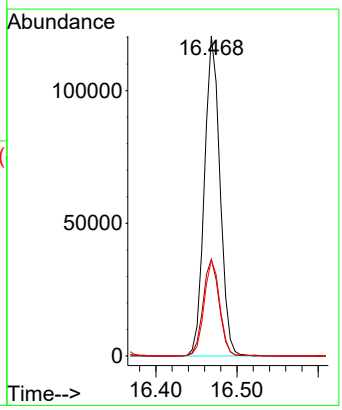


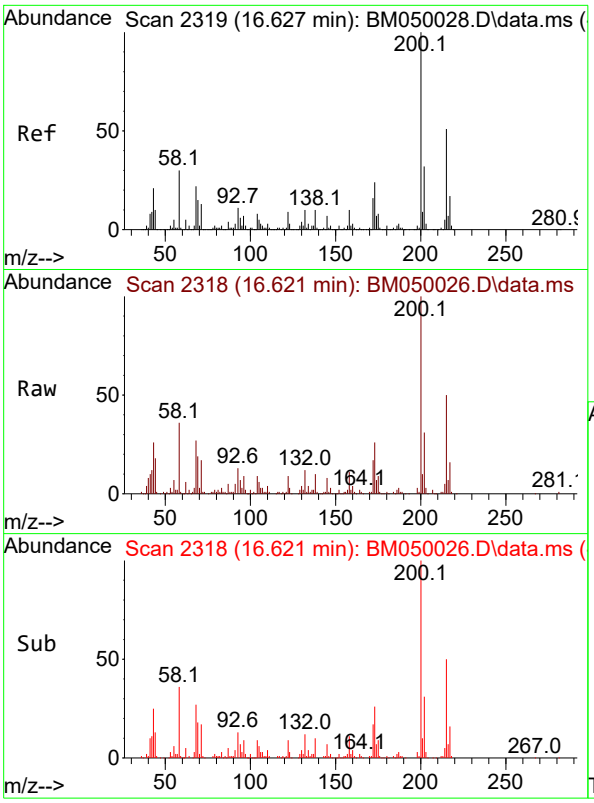


#68
Hexachlorobenzene
Concen: 9.016 ng
RT: 16.468 min Scan# 2292
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:284 Resp: 160195

Ion	Ratio	Lower	Upper
284	100		
142	30.1	23.9	35.9
249	30.0	24.5	36.7

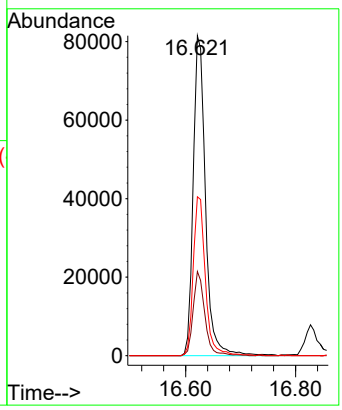




#69
Atrazine
Concen: 8.937 ng
RT: 16.621 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:200 Resp: 12616

Ion	Ratio	Lower	Upper
200	100		
173	26.3	4.3	44.3
215	49.6	30.6	70.6



Instrument :
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ClientSampleId :
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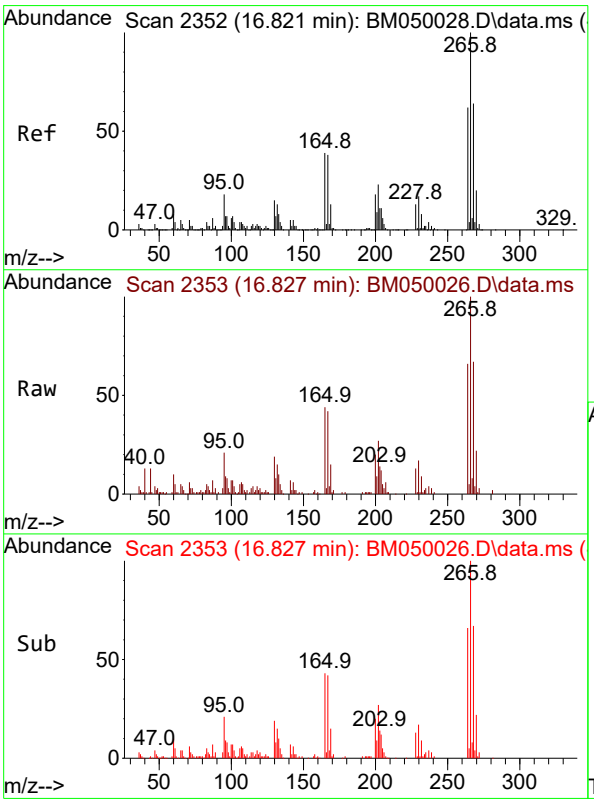
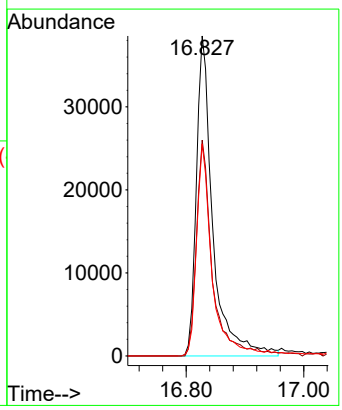
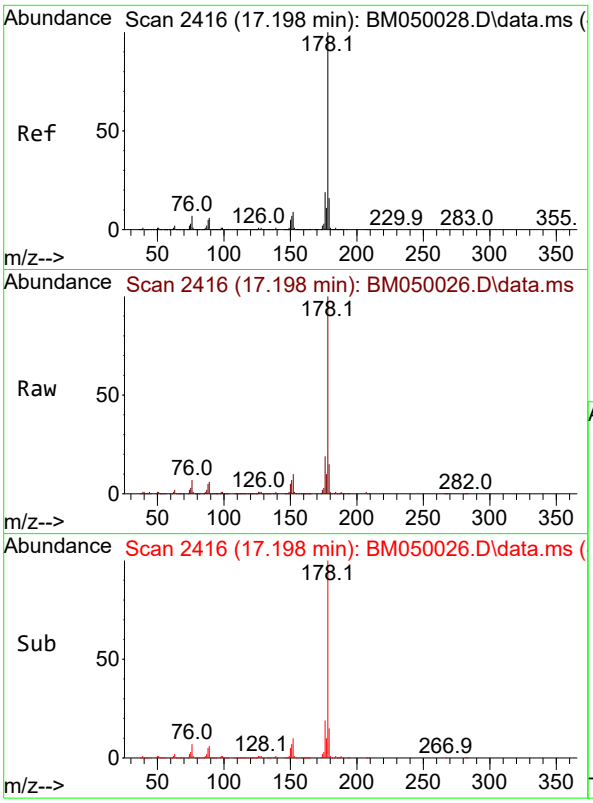


#70
Pentachlorophenol
Concen: 7.483 ng
RT: 16.827 min Scan# 2353
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:266 Resp: 74839

Ion	Ratio	Lower	Upper
266	100		
268	67.5	51.2	76.8
264	66.3	49.6	74.4





#71
Phenanthrene
Concen: 9.172 ng
RT: 17.198 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:178 Resp: 65937

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.3	12.4	18.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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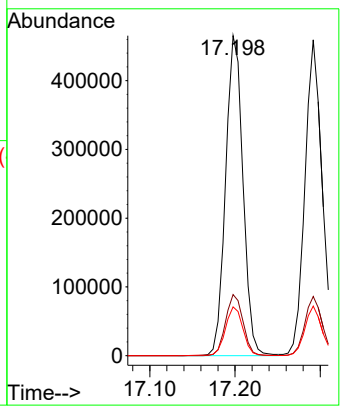
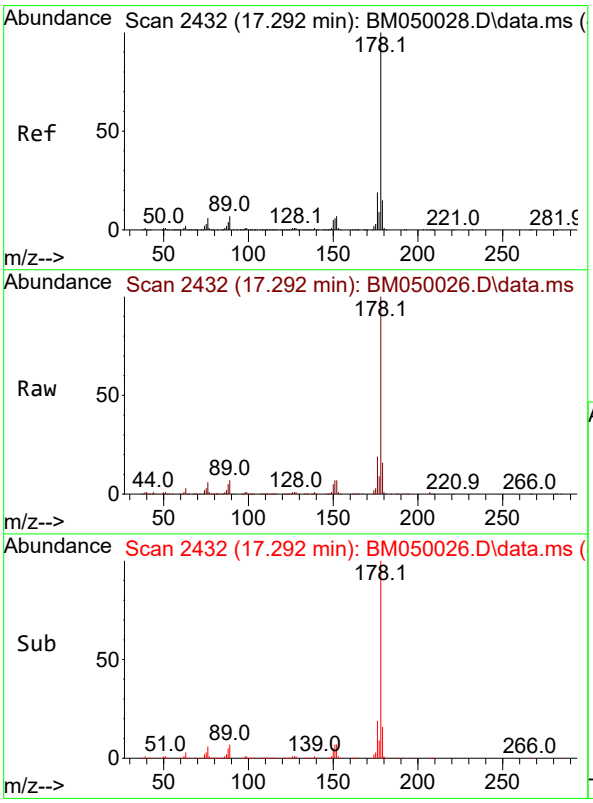
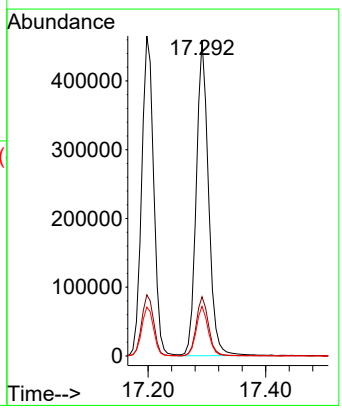


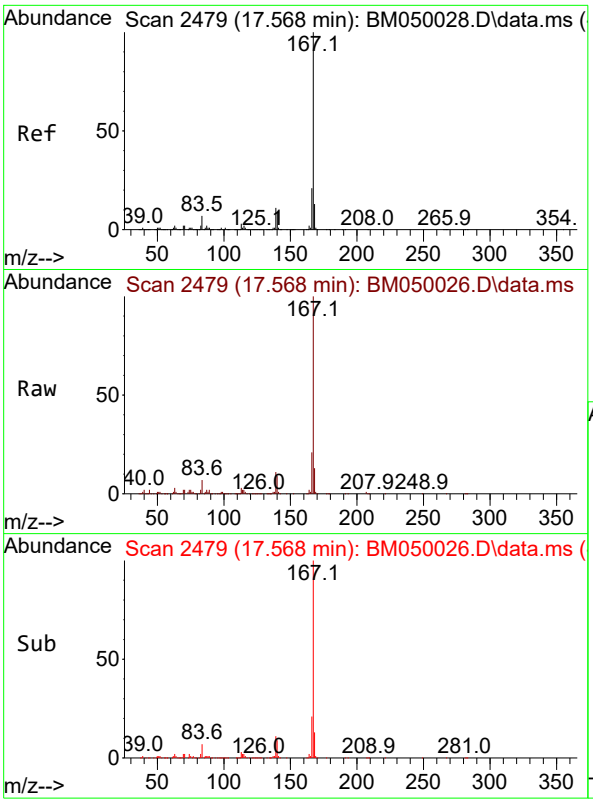


#72
Anthracene
Concen: 9.089 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:178 Resp: 661260

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.7	12.2	18.4

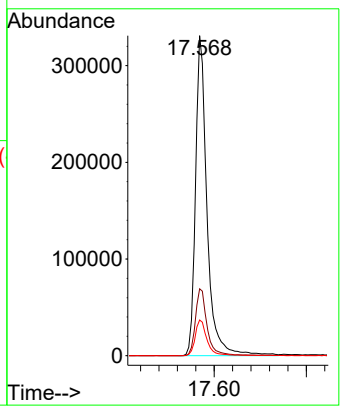




#73
Carbazole
Concen: 9.087 ng
RT: 17.568 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:167 Resp: 57366

Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.2	25.8
139	11.2	9.0	13.6



Instrument :
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ClientSampleId :
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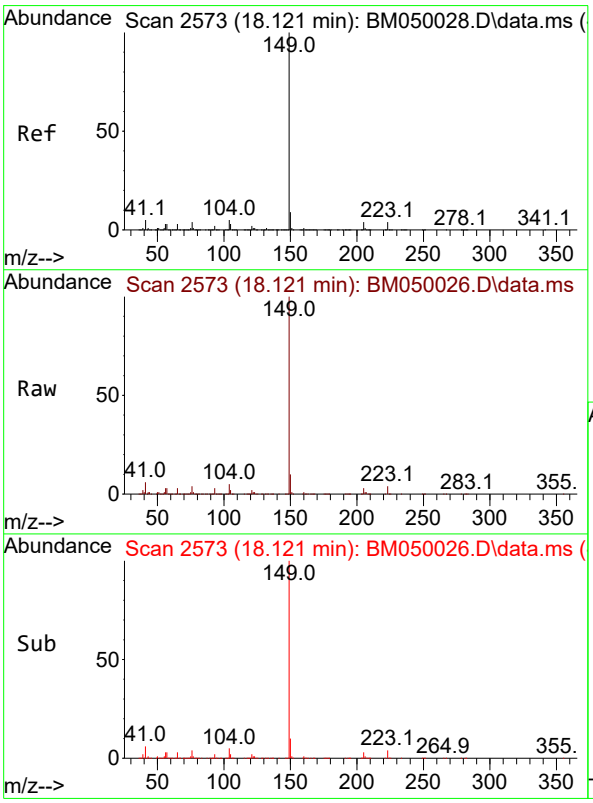
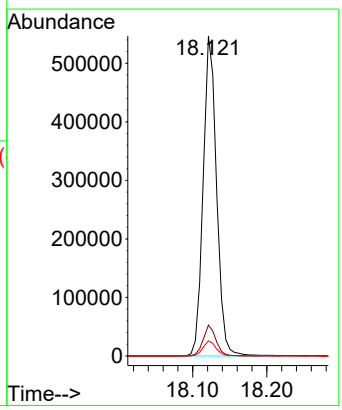
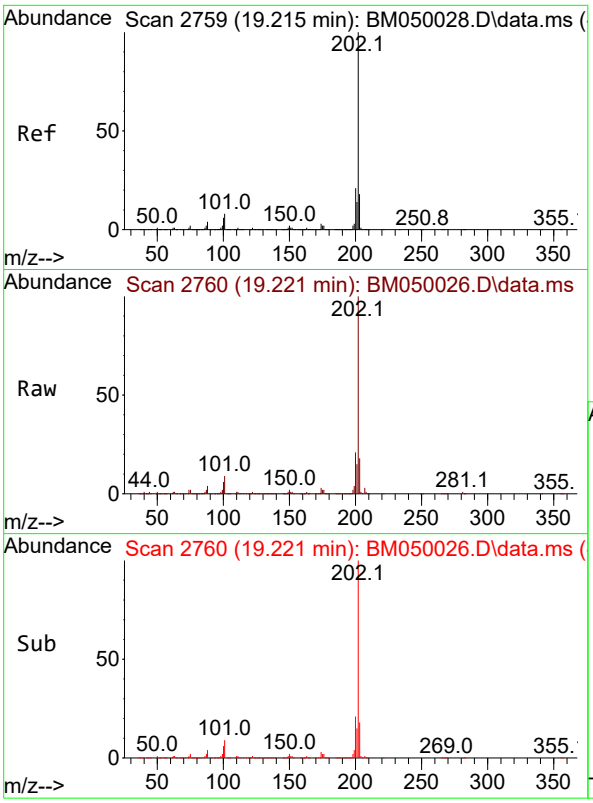


#74
Di-n-butylphthalate
Concen: 9.168 ng
RT: 18.121 min Scan# 2573
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:149 Resp: 689248

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.3	10.9
104	4.7	3.8	5.6

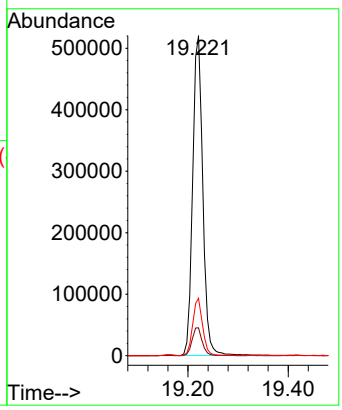




#75
Fluoranthene
Concen: 8.621 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:202 Resp: 72760

Ion	Ratio	Lower	Upper
202	100		
101	8.7	0.0	28.0
203	18.0	0.0	37.7



Instrument :
BNA_M
ClientSampleId :
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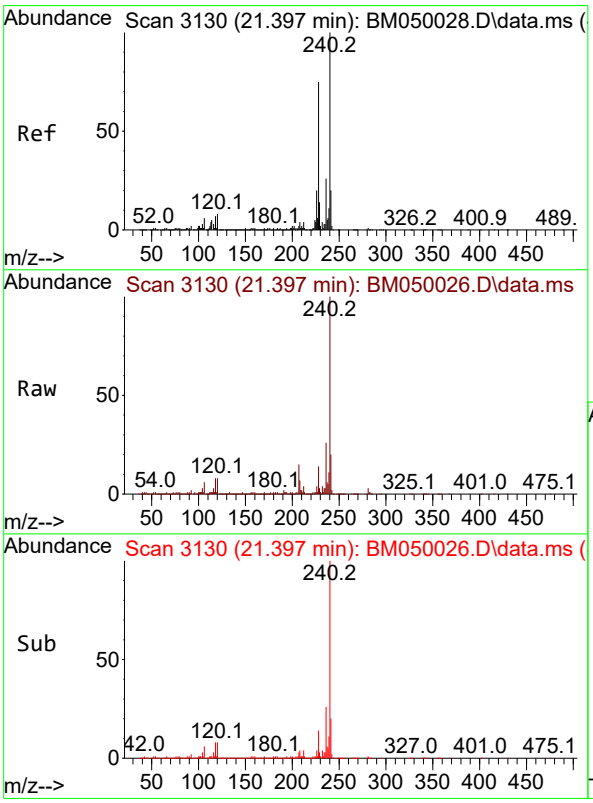
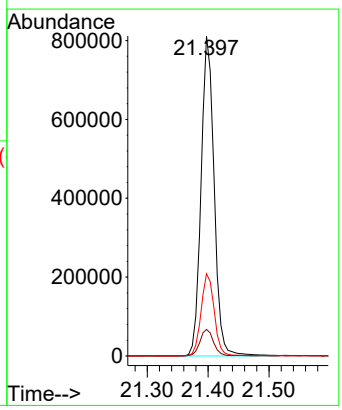
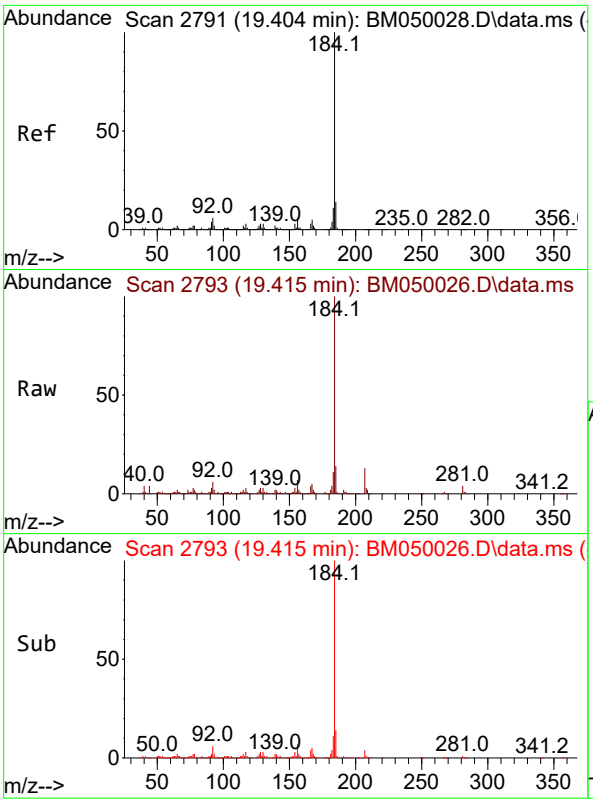


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. 0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:240 Resp: 1213581

Ion	Ratio	Lower	Upper
240	100		
120	8.3	6.5	9.7
236	25.7	20.9	31.3

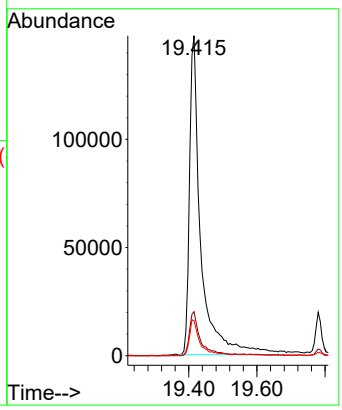




#77
Benzidine
Concen: 7.887 ng
RT: 19.415 min Scan# 2
Delta R.T. 0.011 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:184 Resp: 33997

Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.5	17.3
183	11.0	8.9	13.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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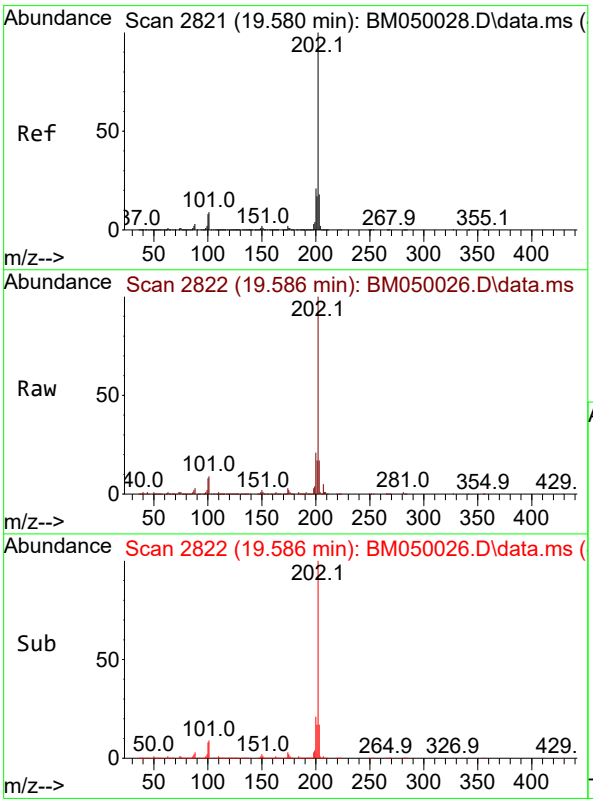
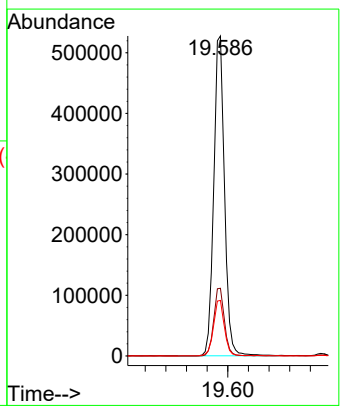
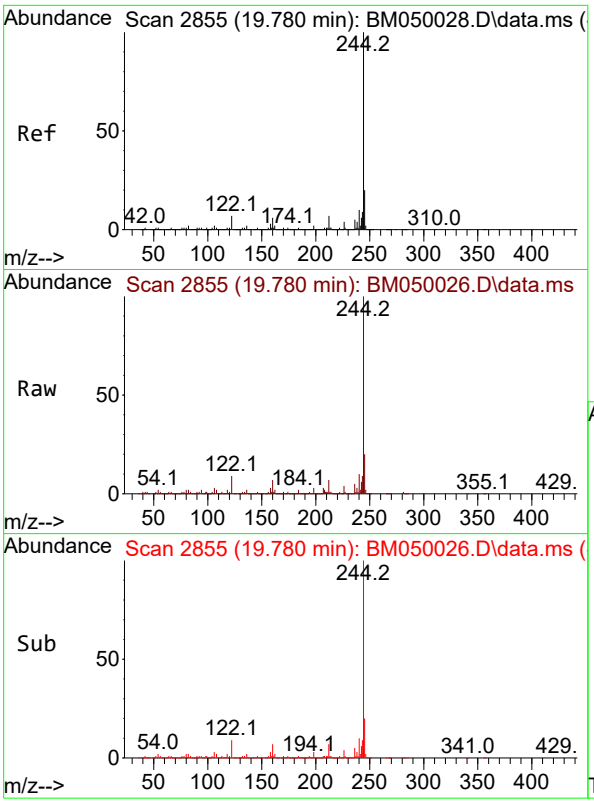


#78
Pyrene
Concen: 8.937 ng
RT: 19.586 min Scan# 2822
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:202 Resp: 761625

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.3	14.1	21.1

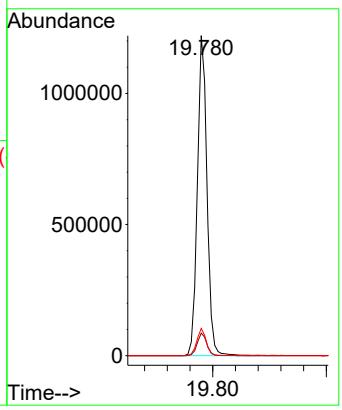




#79
Terphenyl-d14
Concen: 17.601 ng
RT: 19.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:244 Resp: 144352

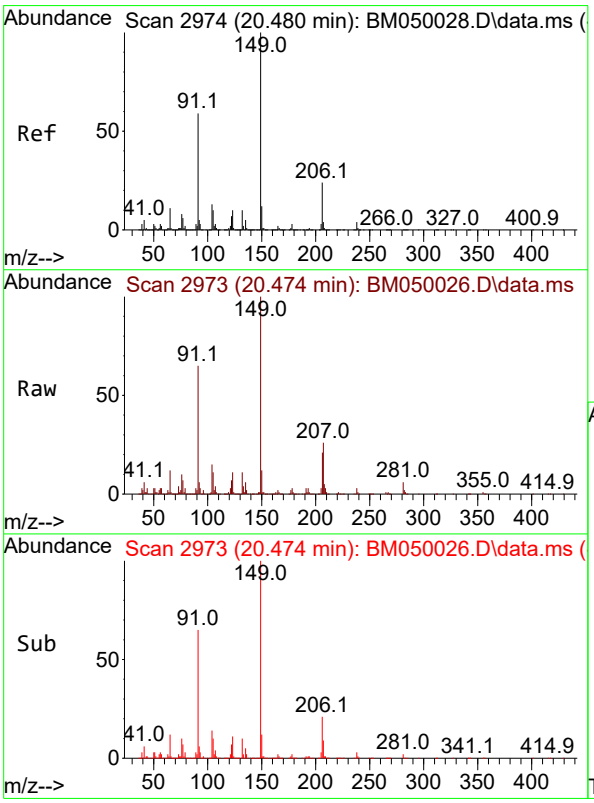
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	8.5	5.6	8.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

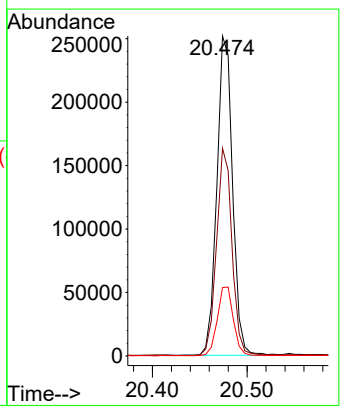
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

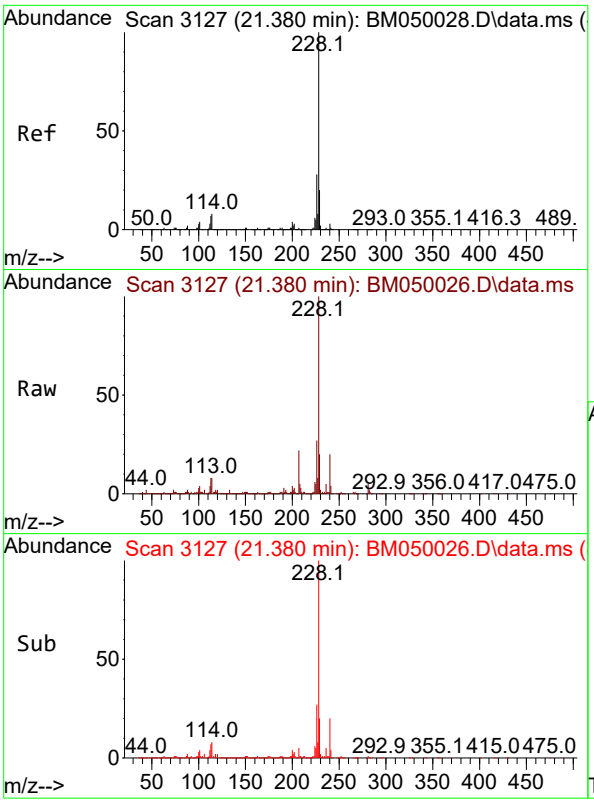


#80
Butylbenzylphthalate
Concen: 9.105 ng
RT: 20.474 min Scan# 2973
Delta R.T. -0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:149 Resp: 290617

Ion	Ratio	Lower	Upper
149	100		
91	64.9	47.4	71.2
206	21.3	19.4	29.0

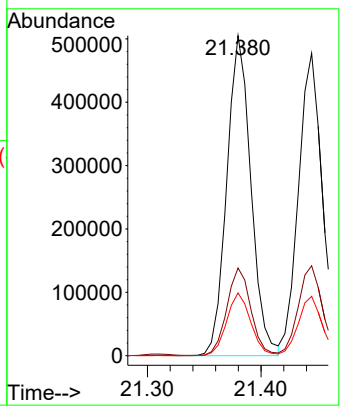




#81
Benzo(a)anthracene
Concen: 8.940 ng
RT: 21.380 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:228 Resp: 74712

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.1	33.1
229	19.6	15.7	23.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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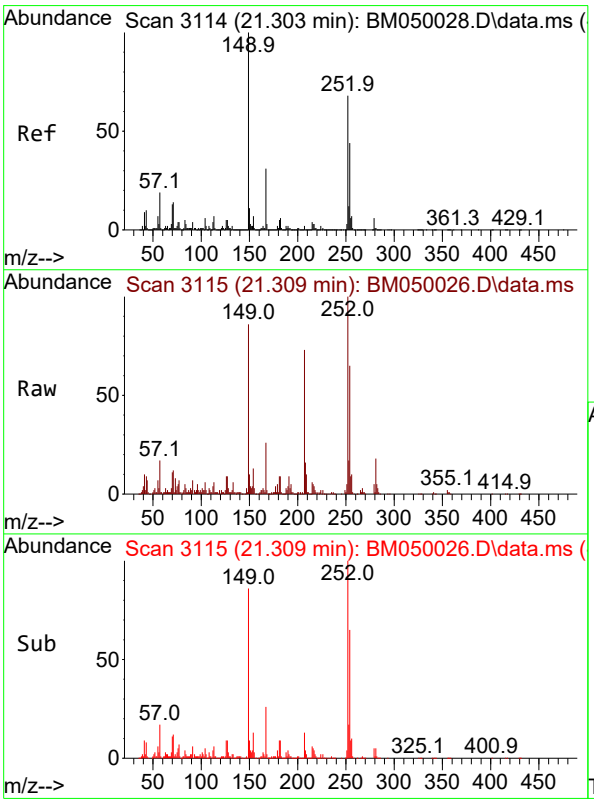
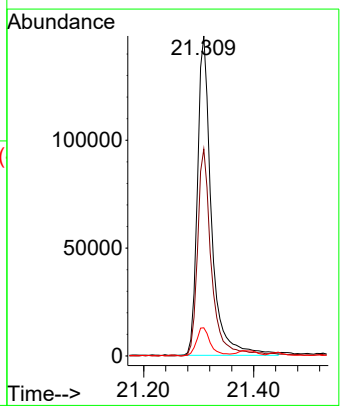
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

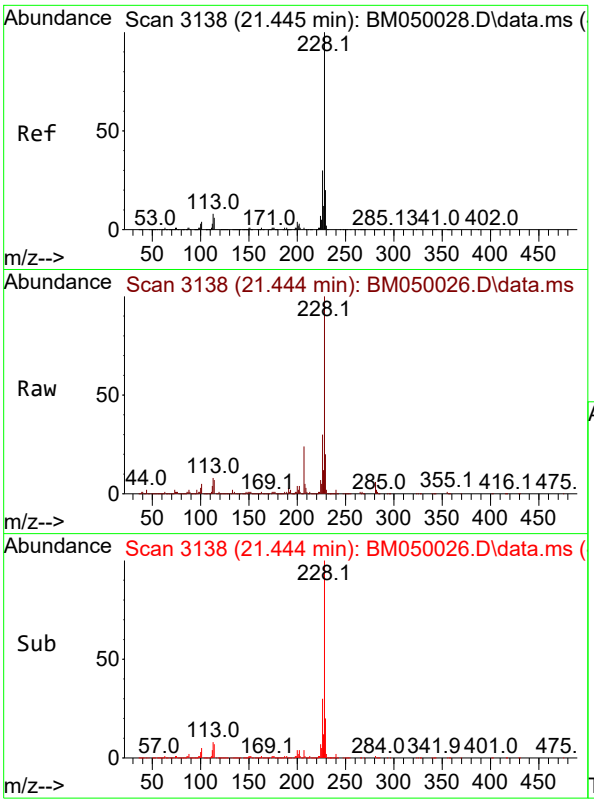


#82
3,3'-Dichlorobenzidine
Concen: 8.190 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:252 Resp: 262017

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.8	77.6
126	8.8	6.0	9.0

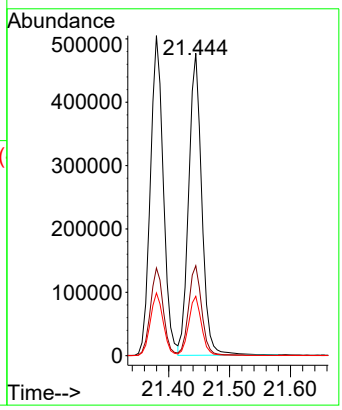




#83
Chrysene
Concen: 9.178 ng
RT: 21.444 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:228 Resp: 70986

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.2	36.2
229	19.6	15.7	23.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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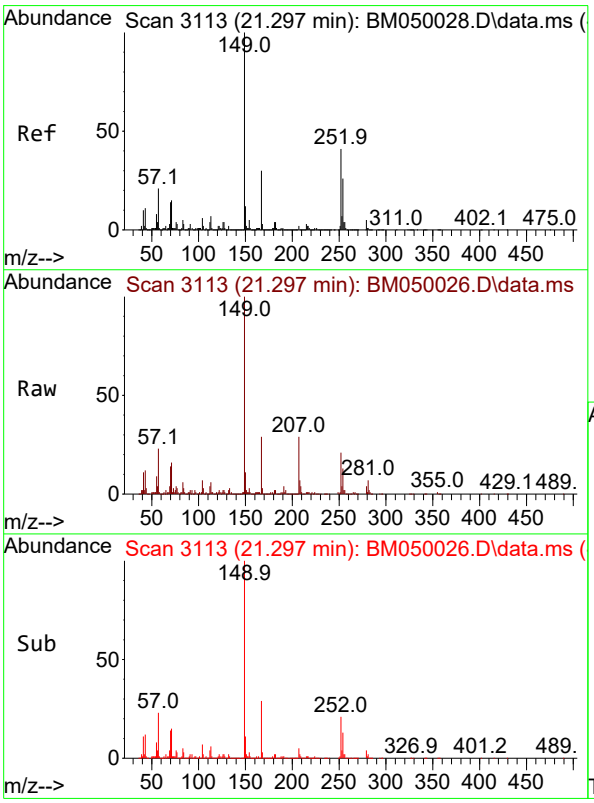
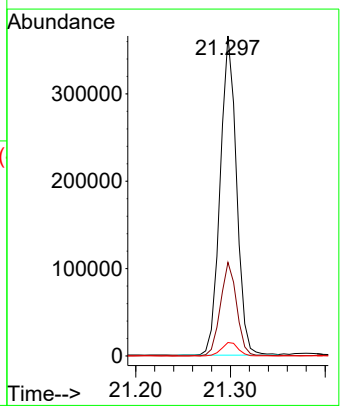
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

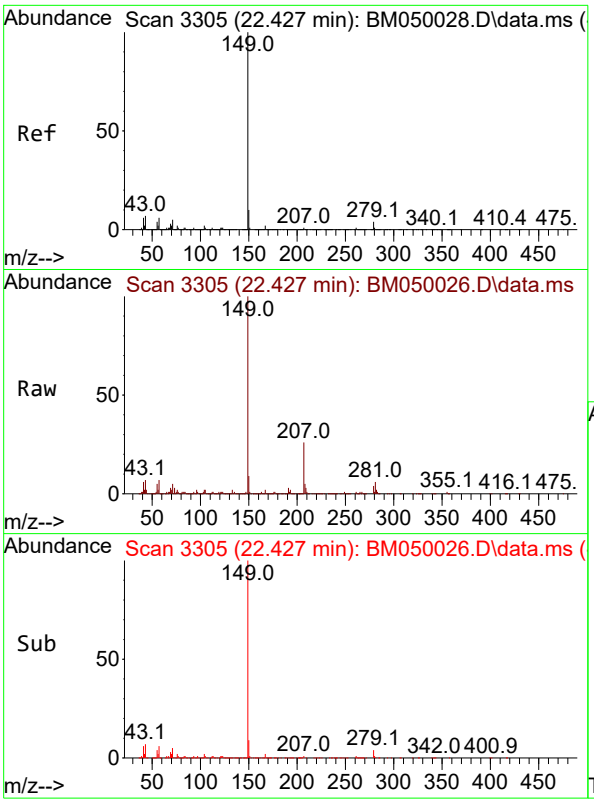


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.228 ng
RT: 21.297 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:149 Resp: 439949

Ion	Ratio	Lower	Upper
149	100		
167	29.3	24.1	36.1
279	4.2	3.9	5.9

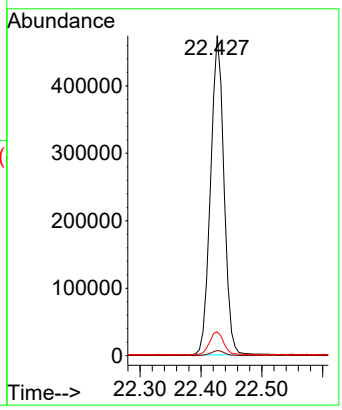




#85
Di-n-octyl phthalate
Concen: 9.236 ng
RT: 22.427 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:149 Resp: 72620

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.7	5.8	8.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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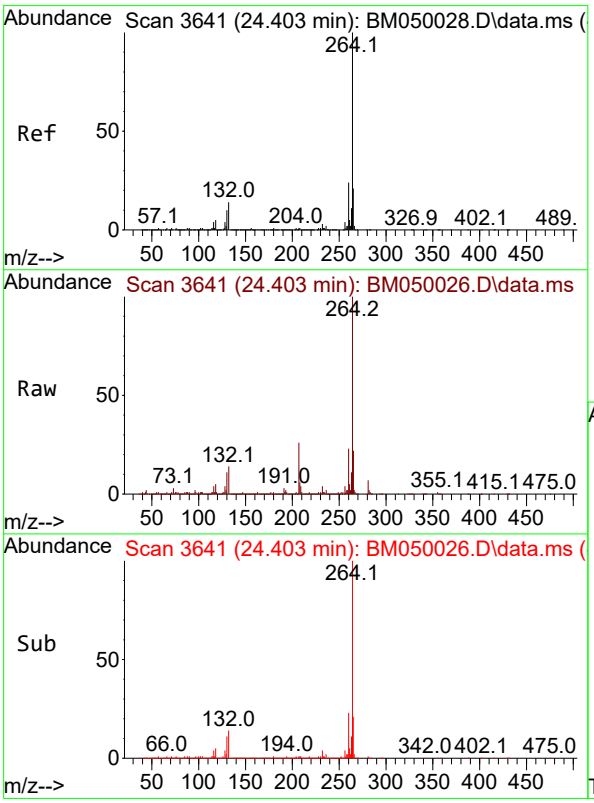
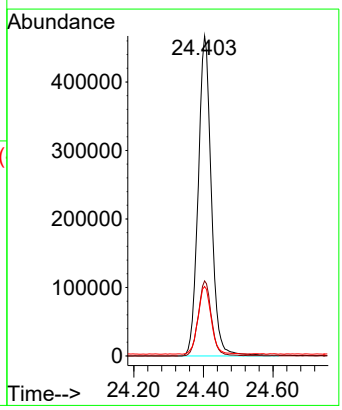
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

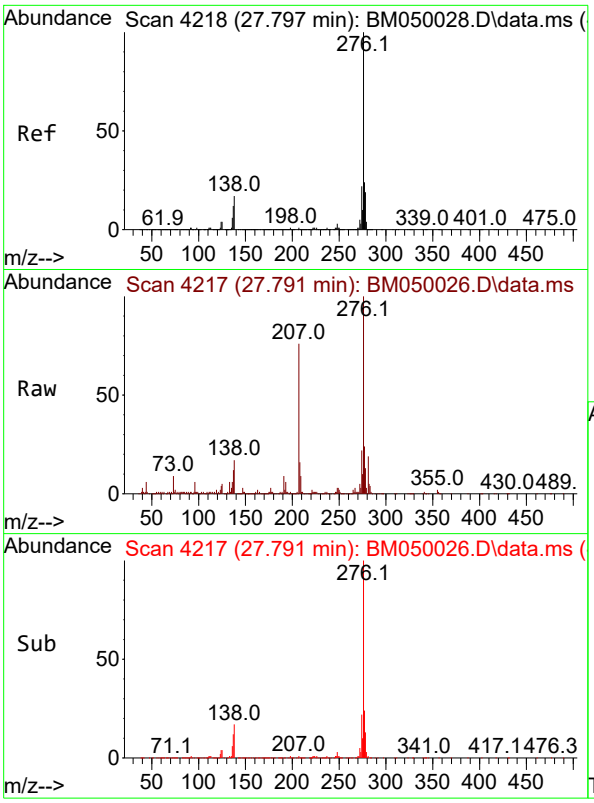


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:264 Resp: 1224339

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.8	28.2
265	21.7	17.0	25.4

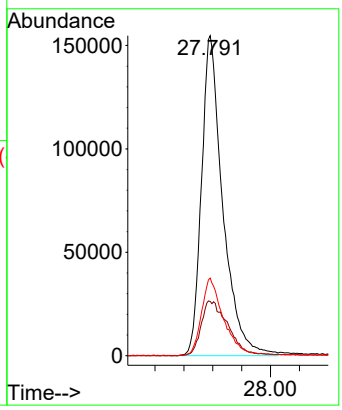




#87
Indeno(1,2,3-cd)pyrene
Concen: 8.674 ng
RT: 27.791 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:276 Resp: 79134

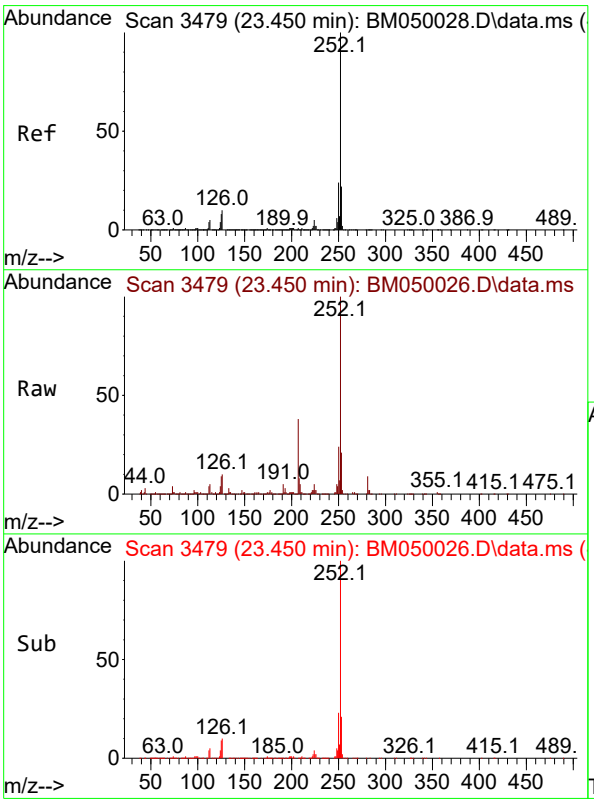
Ion	Ratio	Lower	Upper
276	100		
138	21.4	16.4	24.6
277	25.3	19.8	29.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

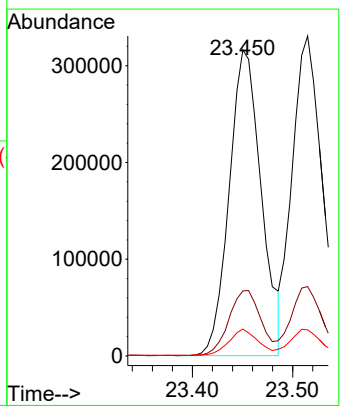
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

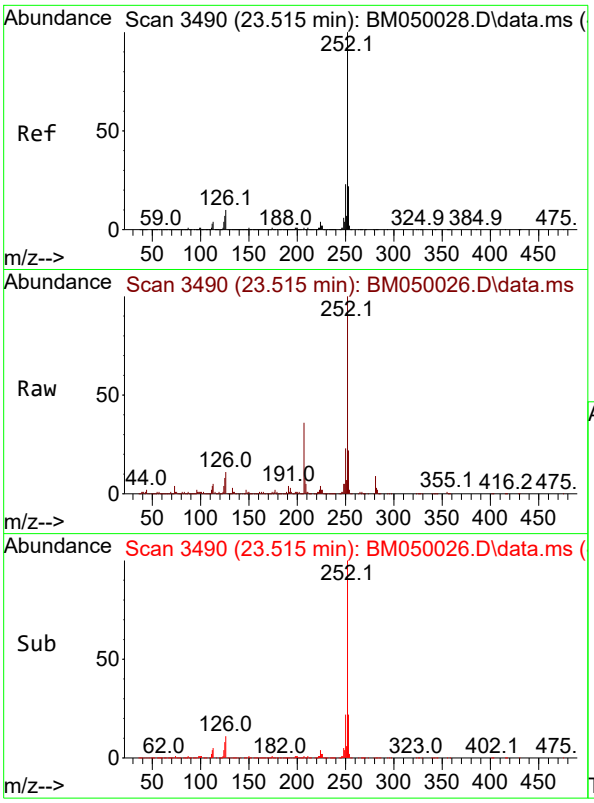


#88
Benzo(b)fluoranthene
Concen: 8.831 ng
RT: 23.450 min Scan# 3479
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:252 Resp: 703118

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.7	26.5
125	8.8	6.1	9.1

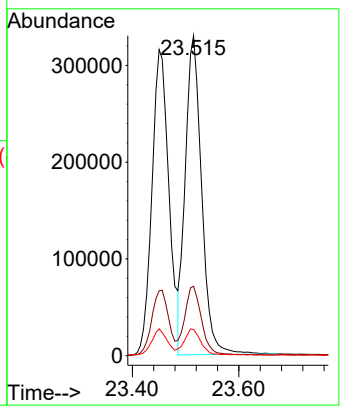




#89
Benzo(k)fluoranthene
Concen: 8.741 ng
RT: 23.515 min Scan# 34
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:252 Resp: 70414

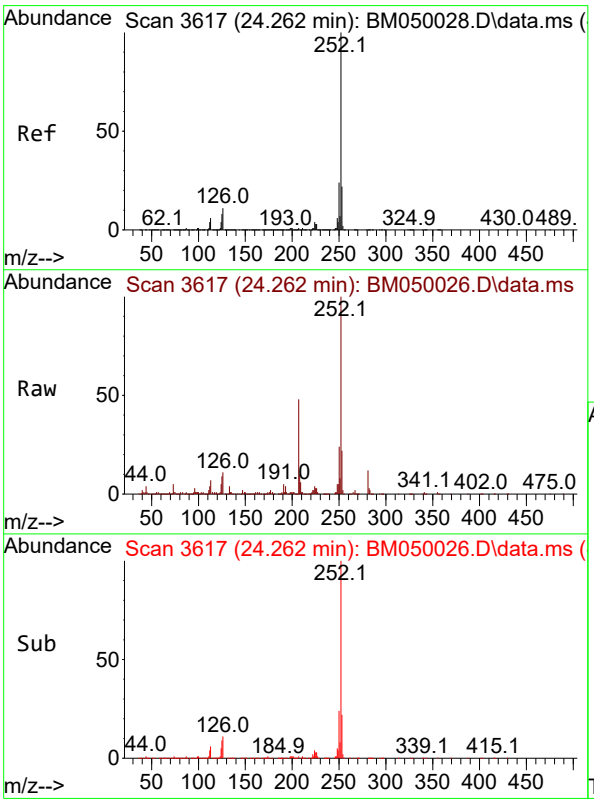
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	8.2	5.8	8.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

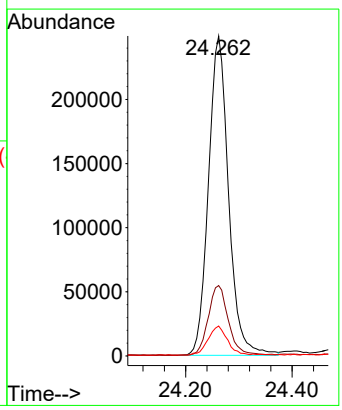
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

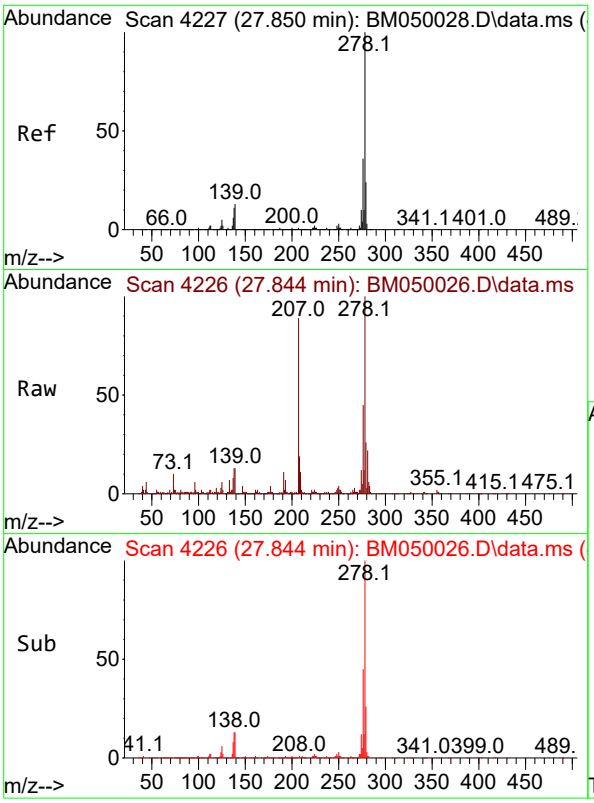


#90
Benzo(a)pyrene
Concen: 8.751 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:252 Resp: 652617

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	9.4	6.6	9.8

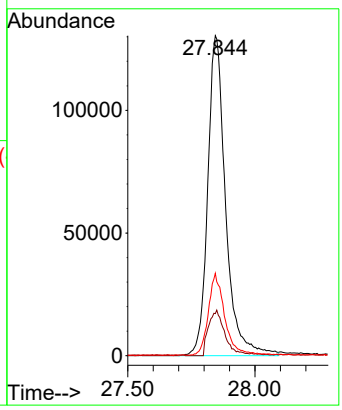




#91
Dibenzo(a,h)anthracene
Concen: 8.591 ng
RT: 27.844 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:278 Resp: 63891

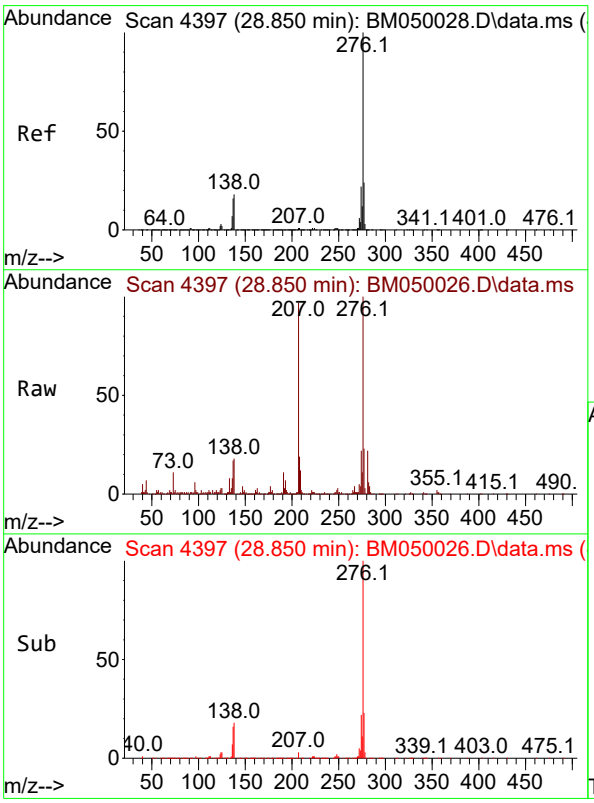
Ion	Ratio	Lower	Upper
278	100		
139	13.2	10.5	15.7
279	25.8	19.4	29.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

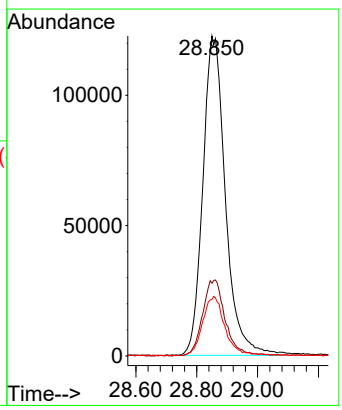
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#92
Benzo(g,h,i)perylene
Concen: 8.852 ng
RT: 28.850 min Scan# 4397
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:276 Resp: 630261

Ion	Ratio	Lower	Upper
276	100		
277	22.8	19.1	28.7
138	17.7	14.3	21.5



Quantitation Report (QT Reviewed)

ICAL Form

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Data File : BM050027.D
Acq On : 28 Apr 2025 14:27
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 28 17:55:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.769	152	242715	20.000	ng		0.00
21) Naphthalene-d8	10.563	136	896366	20.000	ng		0.00
39) Acenaphthene-d10	14.410	164	614688	20.000	ng		0.00
64) Phenanthrene-d10	17.157	188	1244440	20.000	ng		0.00
76) Chrysene-d12	21.398	240	1204355	20.000	ng		0.00
86) Perylene-d12	24.403	264	1191041	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.357	112	537488	38.777	ng		0.00
7) Phenol-d6	6.951	99	678404	38.941	ng		0.00
23) Nitrobenzene-d5	8.928	82	712171	39.151	ng		0.00
42) 2,4,6-Tribromophenol	15.904	330	345020	37.960	ng		0.00
45) 2-Fluorobiphenyl	13.027	172	2005788	38.602	ng		0.00
79) Terphenyl-d14	19.780	244	3208242	39.418	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.258	88	115944	19.509	ng		99
3) Pyridine	3.658	79	298256	19.532	ng		98
4) n-Nitrosodimethylamine	3.569	42	115296	19.251	ng	#	100
6) Aniline	7.098	93	429222	19.511	ng		99
8) 2-Chlorophenol	7.340	128	290876	19.409	ng		99
9) Benzaldehyde	6.910	77	235594	20.233	ng		98
10) Phenol	6.981	94	344567	19.537	ng		98
11) bis(2-Chloroethyl)ether	7.193	93	285330	19.375	ng		99
12) 1,3-Dichlorobenzene	7.657	146	352660	19.480	ng		99
13) 1,4-Dichlorobenzene	7.804	146	354975	19.518	ng		99
14) 1,2-Dichlorobenzene	8.122	146	345385	19.660	ng		99
15) Benzyl Alcohol	8.016	79	234541	19.413	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.293	45	350829	19.598	ng		98
17) 2-Methylphenol	8.228	107	225978	19.450	ng		99
18) Hexachloroethane	8.845	117	126530	19.571	ng		99
19) n-Nitroso-di-n-propyla...	8.575	70	223538	20.006	ng		99
20) 3+4-Methylphenols	8.557	107	307585	19.604	ng		97
22) Acetophenone	8.592	105	434539	19.499	ng		98
24) Nitrobenzene	8.969	77	309341	19.667	ng		99
25) Isophorone	9.498	82	609252	19.648	ng		99
26) 2-Nitrophenol	9.681	139	154364	19.211	ng		97
27) 2,4-Dimethylphenol	9.751	122	259319	19.460	ng		99
28) bis(2-Chloroethoxy)met...	9.975	93	378162	19.732	ng		100
29) 2,4-Dichlorophenol	10.234	162	292336	19.582	ng		99
30) 1,2,4-Trichlorobenzene	10.428	180	352792	19.397	ng		98
31) Naphthalene	10.610	128	890530	19.618	ng		99
32) Benzoic acid	9.881	122	154412m	18.168	ng		
33) 4-Chloroaniline	10.734	127	362366	19.475	ng		99
34) Hexachlorobutadiene	10.898	225	223143	19.327	ng		99
35) Caprolactam	11.516	113	84917	19.509	ng		93
36) 4-Chloro-3-methylphenol	11.875	107	270510	19.613	ng		99
37) 2-Methylnaphthalene	12.228	142	593403	19.498	ng		99
38) 1-Methylnaphthalene	12.445	142	634293	19.694	ng		99
40) 1,2,4,5-Tetrachloroben...	12.604	216	402355	18.909	ng		99
41) Hexachlorocyclopentadiene	12.575	237	222254	17.091	ng		100
43) 2,4,6-Trichlorophenol	12.851	196	260161	19.276	ng		96

ICAL Form

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Data File : BM050027.D
Acq On : 28 Apr 2025 14:27
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 17:55:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.939	196	278307	19.123	ng	98
46) 1,1'-Biphenyl	13.239	154	892394	19.530	ng	99
47) 2-Chloronaphthalene	13.286	162	709815	19.614	ng	100
48) 2-Nitroaniline	13.498	65	165324	19.465	ng	99
49) Acenaphthylene	14.133	152	1112766	19.502	ng	99
50) Dimethylphthalate	13.869	163	883120	19.659	ng	99
51) 2,6-Dinitrotoluene	13.986	165	183493	19.729	ng	99
52) Acenaphthene	14.474	154	643177	19.474	ng	99
53) 3-Nitroaniline	14.327	138	174626	19.666	ng	97
54) 2,4-Dinitrophenol	14.551	184	80991	18.373	ng	99
55) Dibenzofuran	14.810	168	1074975	19.562	ng	99
56) 4-Nitrophenol	14.686	139	110948	19.021	ng	96
57) 2,4-Dinitrotoluene	14.786	165	252994	19.685	ng	100
58) Fluorene	15.457	166	879470	19.553	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	244928	19.442	ng	99
60) Diethylphthalate	15.233	149	848021	20.034	ng	99
61) 4-Chlorophenyl-phenyle...	15.451	204	473276	19.157	ng	95
62) 4-Nitroaniline	15.492	138	170438	19.880	ng	95
63) Azobenzene	15.745	77	707026	19.930	ng	99
65) 4,6-Dinitro-2-methylph...	15.557	198	136910	17.576	ng	94
66) n-Nitrosodiphenylamine	15.669	169	741920	19.415	ng	99
67) 4-Bromophenyl-phenylether	16.345	248	285352	18.962	ng	98
68) Hexachlorobenzene	16.468	284	327912	18.903	ng	98
69) Atrazine	16.621	200	266068	19.303	ng	98
70) Pentachlorophenol	16.821	266	175794	18.004	ng	99
71) Phenanthrene	17.198	178	1348190	19.208	ng	100
72) Anthracene	17.292	178	1364462	19.210	ng	100
73) Carbazole	17.568	167	1194316	19.377	ng	99
74) Di-n-butylphthalate	18.121	149	1432688	19.519	ng	99
75) Fluoranthene	19.221	202	1555160	18.872	ng	99
77) Benzidine	19.409	184	777502	18.175	ng	99
78) Pyrene	19.580	202	1603874	18.964	ng	100
80) Butylbenzylphthalate	20.474	149	620751	19.597	ng	94
81) Benzo(a)anthracene	21.380	228	1591290	19.187	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	582038	18.333	ng	99
83) Chrysene	21.445	228	1461777	19.044	ng	99
84) Bis(2-ethylhexyl)phtha...	21.298	149	933505	19.730	ng	98
85) Di-n-octyl phthalate	22.427	149	1525599	19.552	ng	100
87) Indeno(1,2,3-cd)pyrene	27.791	276	1671967	18.840	ng	99
88) Benzo(b)fluoranthene	23.450	252	1439776	18.588	ng	99
89) Benzo(k)fluoranthene	23.515	252	1489410	19.005	ng	100
90) Benzo(a)pyrene	24.262	252	1365706	18.825	ng	99
91) Dibenzo(a,h)anthracene	27.838	278	1360269	18.803	ng	99
92) Benzo(g,h,i)perylene	28.850	276	1316513	19.008	ng	99

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

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050027.D
Acq On : 28 Apr 2025 14:27
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 28 17:55:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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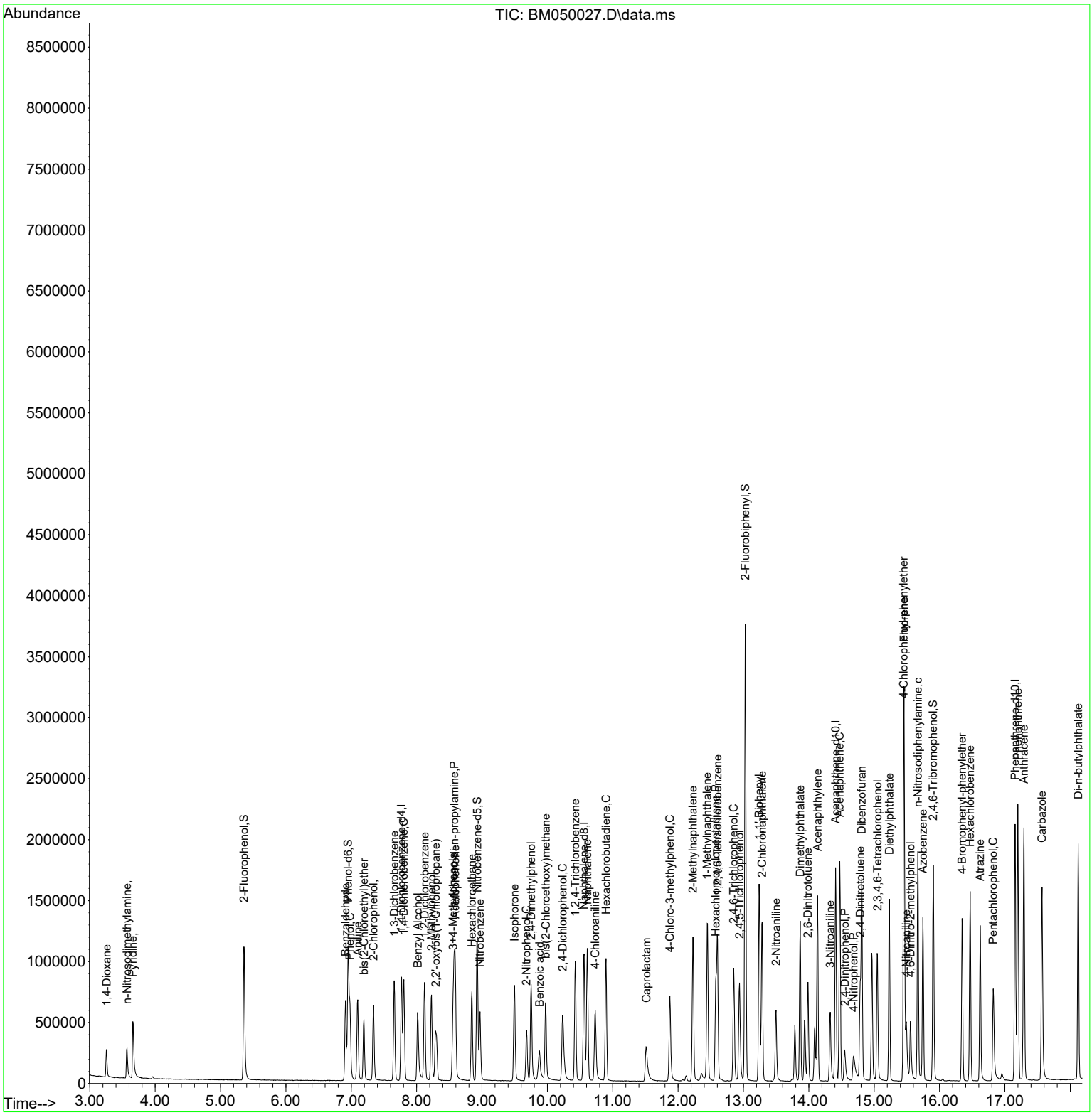

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
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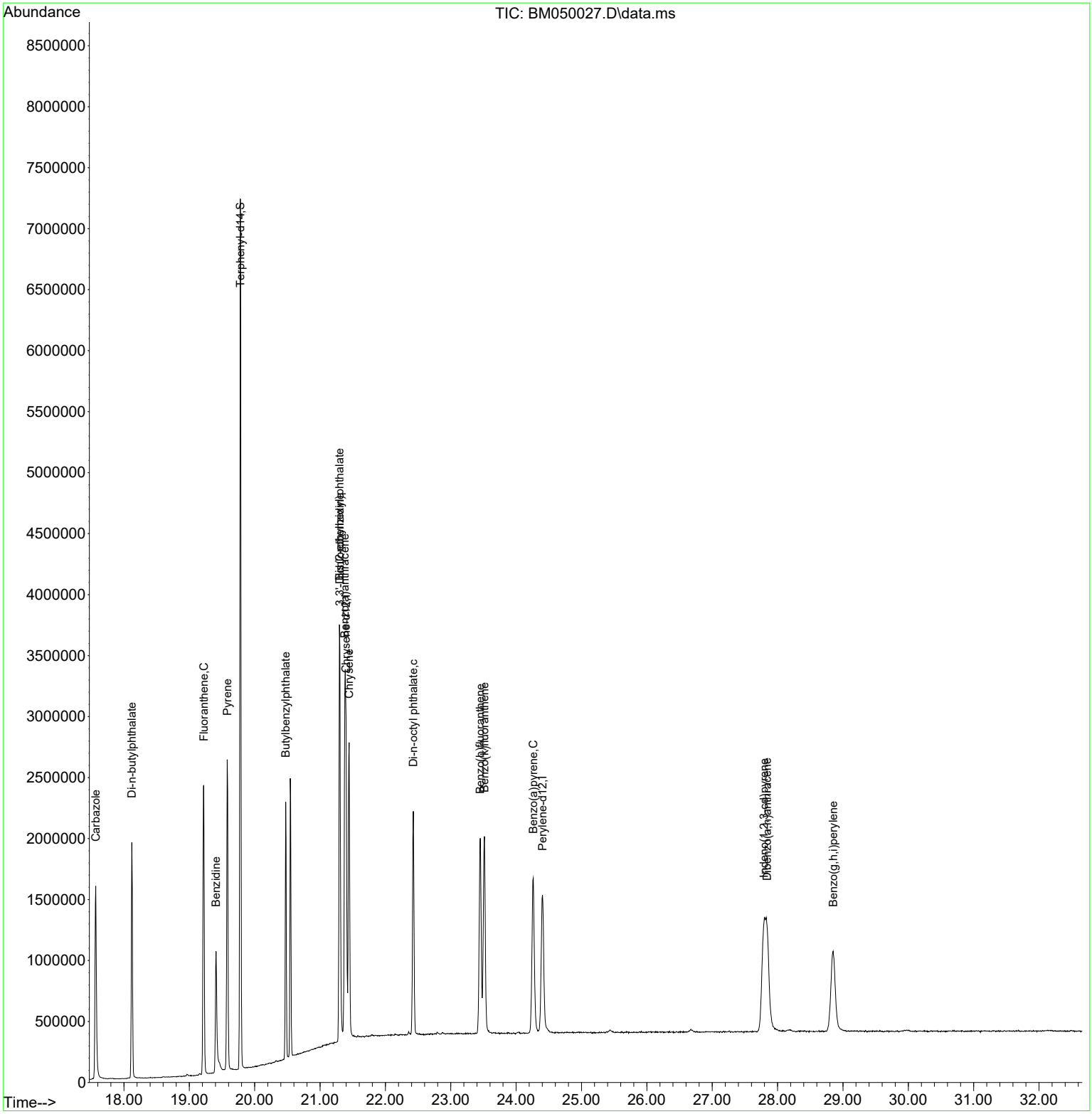
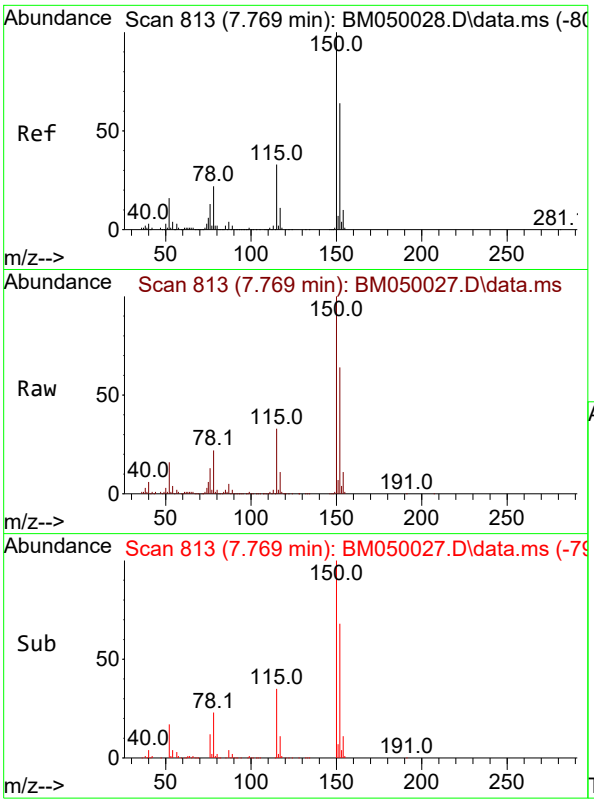
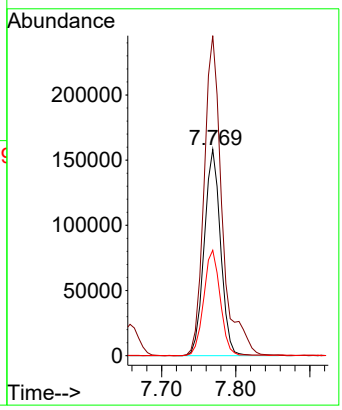




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:152 Resp: 24271

Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.1	186.1
115	51.1	41.2	61.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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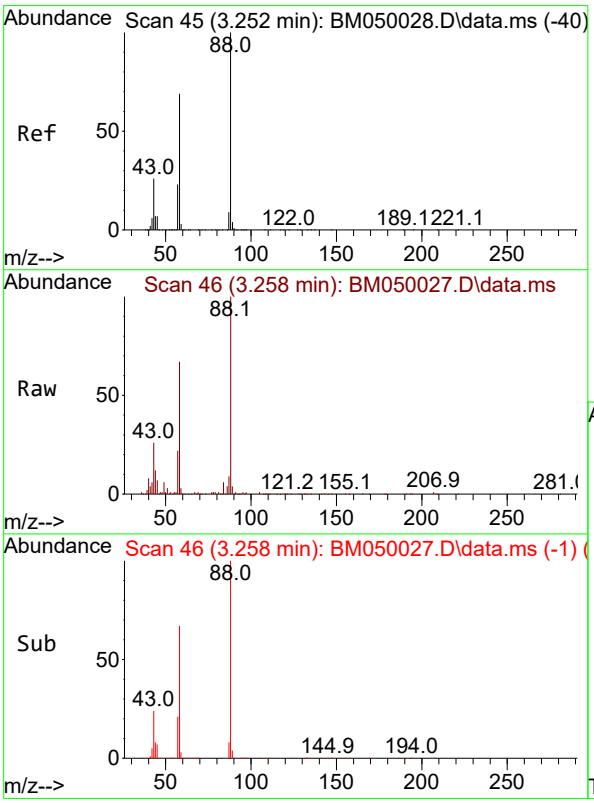
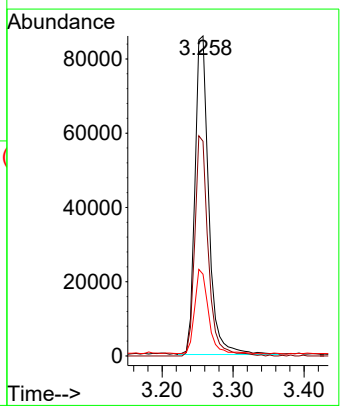
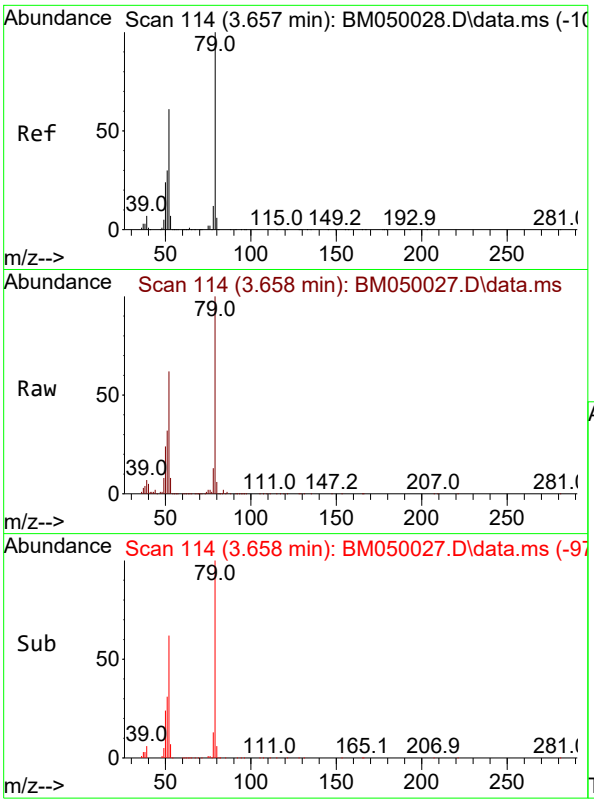


#2
1,4-Dioxane
Concen: 19.509 ng
RT: 3.258 min Scan# 46
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 88 Resp: 115944

Ion	Ratio	Lower	Upper
88	100		
58	67.9	55.1	82.7
43	26.7	20.9	31.3

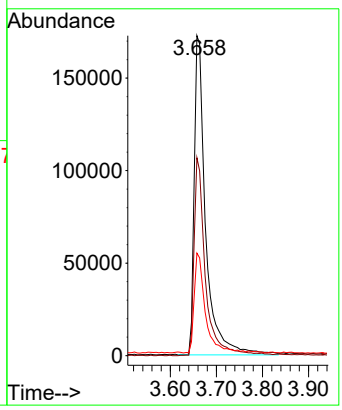




#3
Pyridine
Concen: 19.532 ng
RT: 3.658 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 79 Resp: 29825

Ion	Ratio	Lower	Upper
79	100		
52	61.8	48.6	72.8
51	32.1	24.6	37.0



Instrument :
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ClientSampleId :
SSTDICC020

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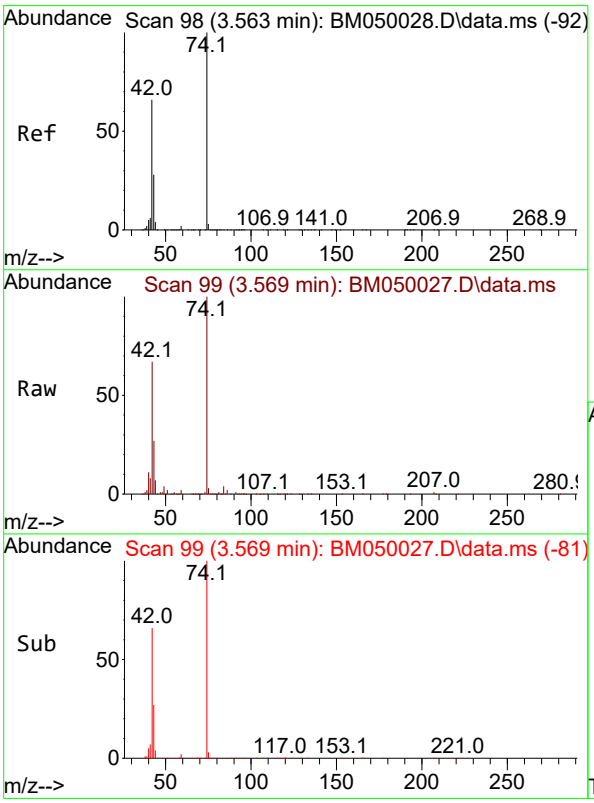
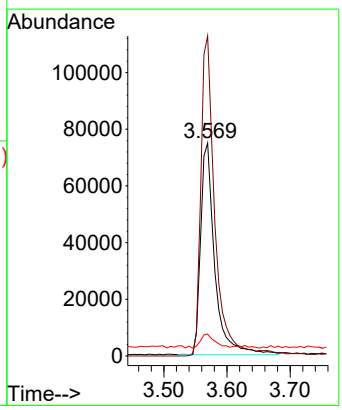
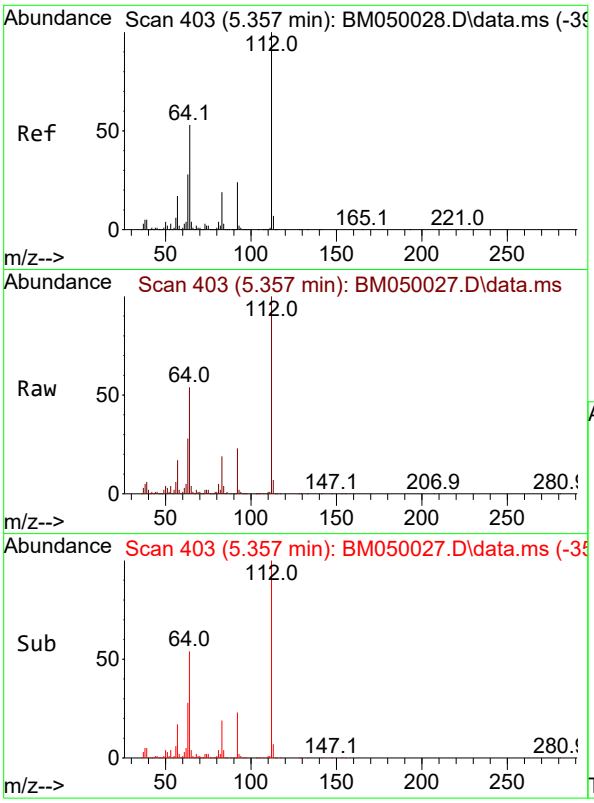


#4
n-Nitrosodimethylamine
Concen: 19.251 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 42 Resp: 115296

Ion	Ratio	Lower	Upper
42	100		
74	150.3	120.2	180.2
44	10.3	6.2	9.2#

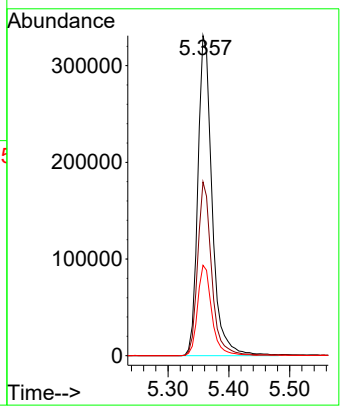




#5
2-Fluorophenol
Concen: 38.777 ng
RT: 5.357 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:112 Resp: 53748

Ion	Ratio	Lower	Upper
112	100		
64	54.3	42.6	64.0
63	28.2	22.2	33.4



Instrument :
BNA_M
ClientSampleId :
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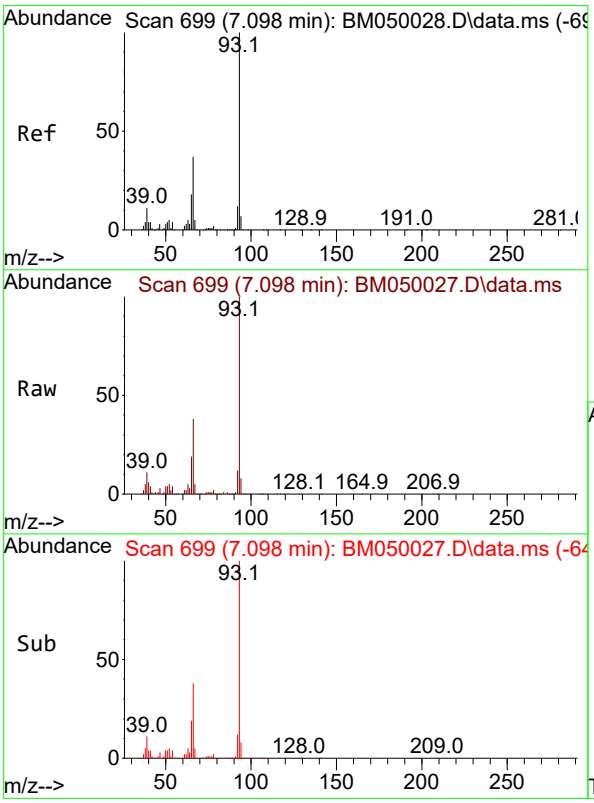
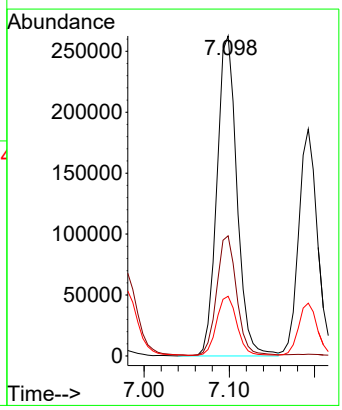
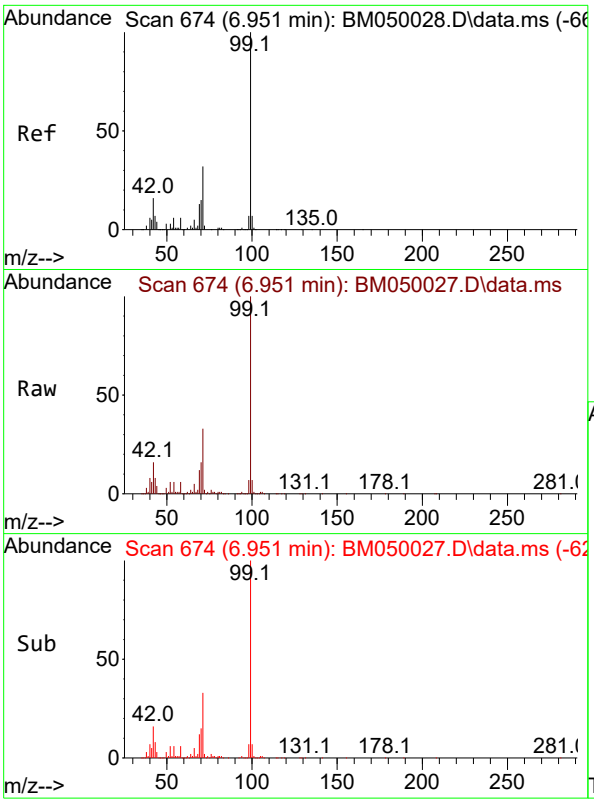


#6
Aniline
Concen: 19.511 ng
RT: 7.098 min Scan# 699
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 93 Resp: 429222

Ion	Ratio	Lower	Upper
93	100		
66	37.5	29.9	44.9
65	18.7	14.5	21.7

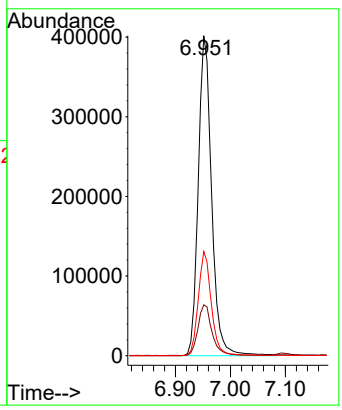




#7
Phenol-d6
Concen: 38.941 ng
RT: 6.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 99 Resp: 67840

Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.0	19.4
71	32.6	25.6	38.4



Instrument :
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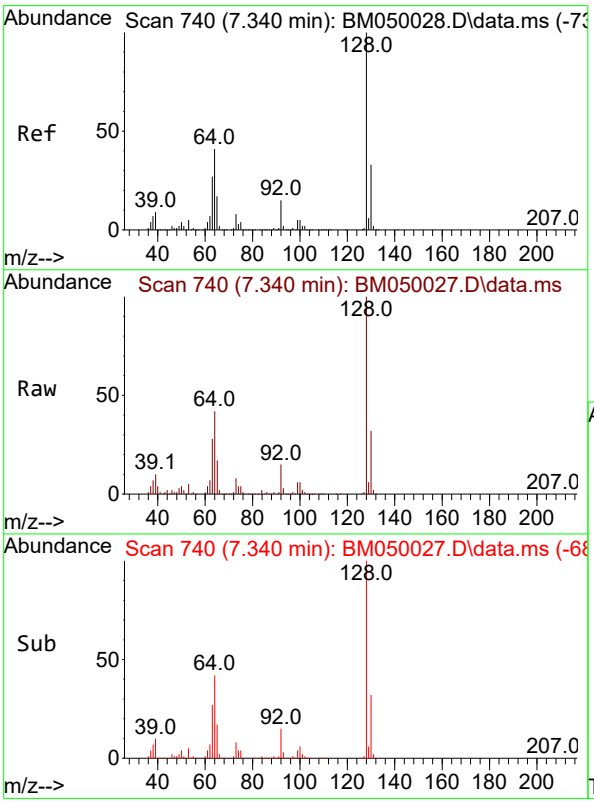
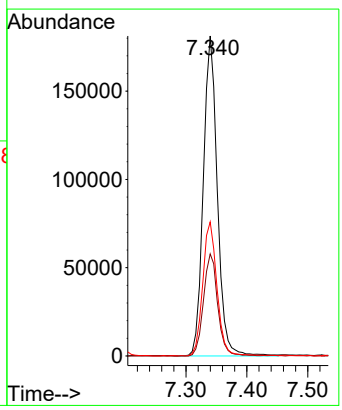
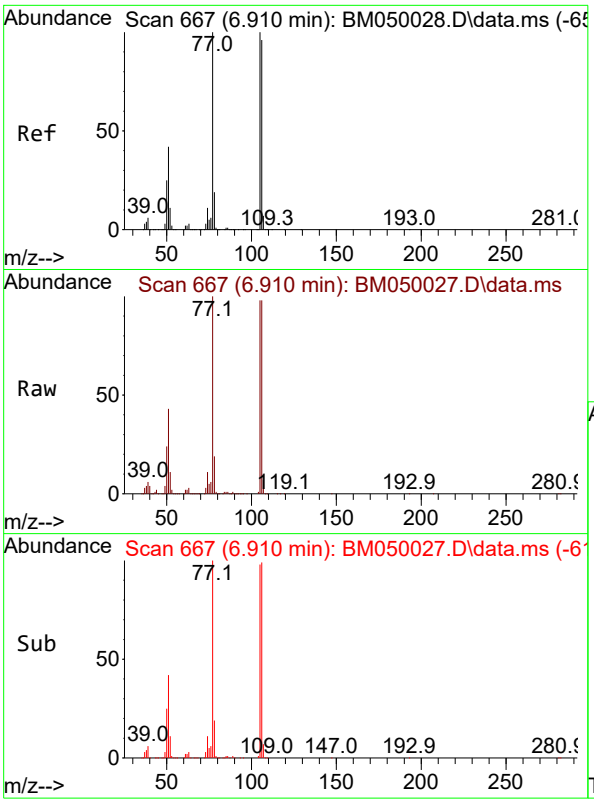


#8
2-Chlorophenol
Concen: 19.409 ng
RT: 7.340 min Scan# 740
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:128 Resp: 290876

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.8	52.8
64	41.9	21.2	61.2

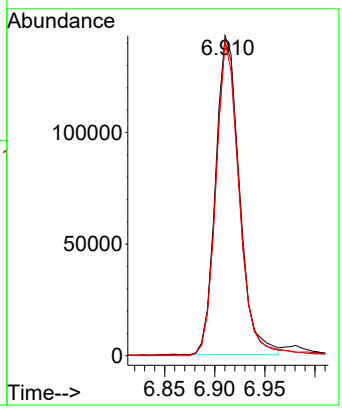




#9
Benzaldehyde
Concen: 20.233 ng
RT: 6.910 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 77 Resp: 23559

Ion	Ratio	Lower	Upper
77	100		
105	97.9	80.5	120.5
106	98.3	76.1	116.1



Instrument :
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ClientSampleId :
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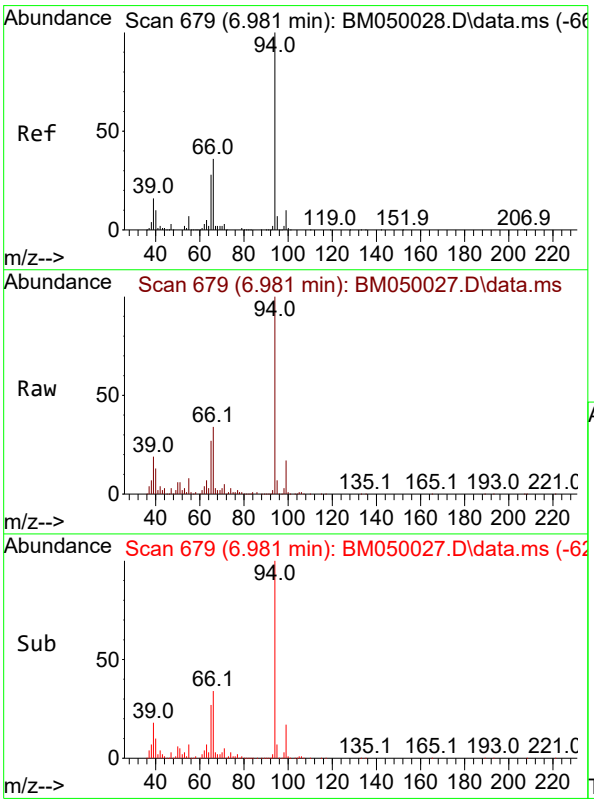
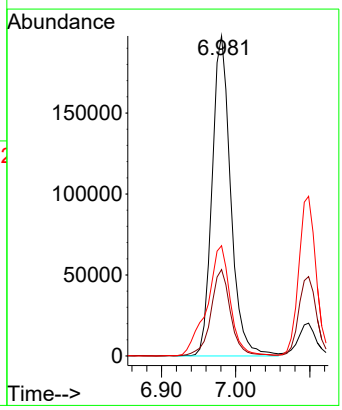
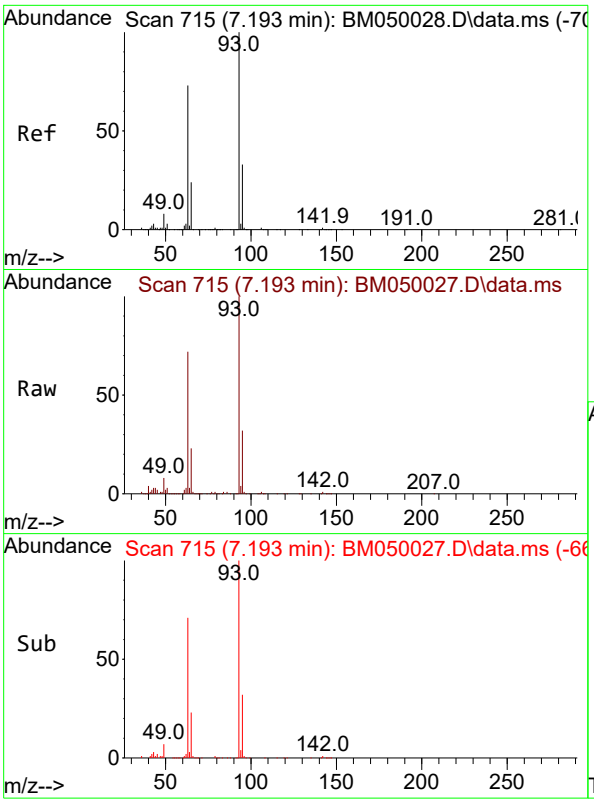


#10
Phenol
Concen: 19.537 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 94 Resp: 344567

Ion	Ratio	Lower	Upper
94	100		
65	27.0	7.6	47.6
66	34.4	15.8	55.8

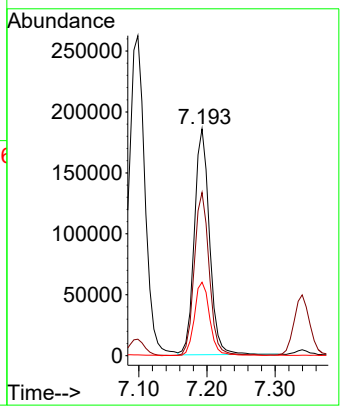




#11
bis(2-Chloroethyl)ether
Concen: 19.375 ng
RT: 7.193 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 93 Resp: 28533

Ion	Ratio	Lower	Upper
93	100		
63	71.9	52.3	92.3
95	32.4	12.8	52.8



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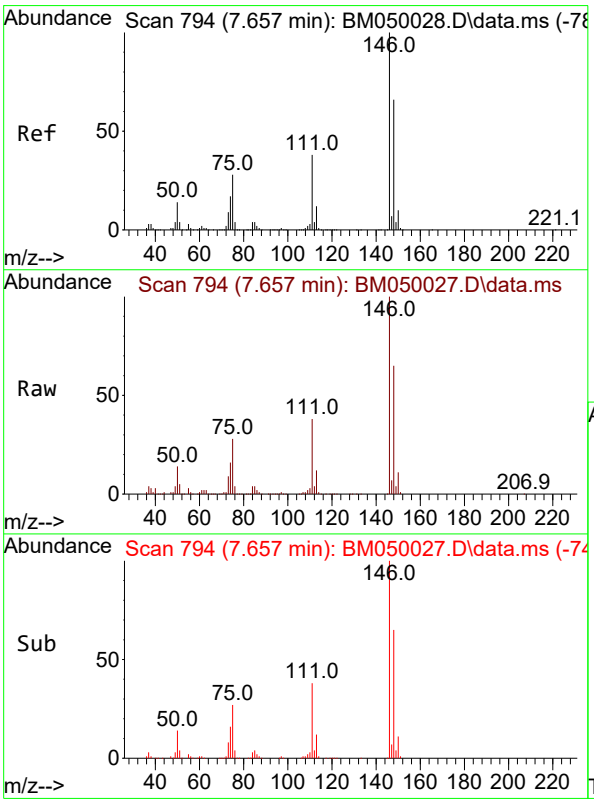
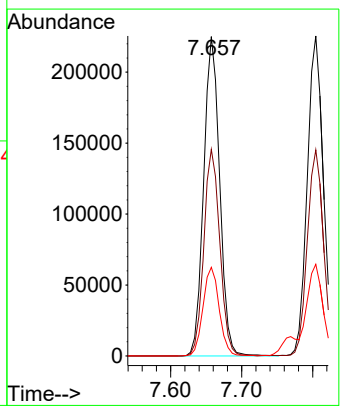
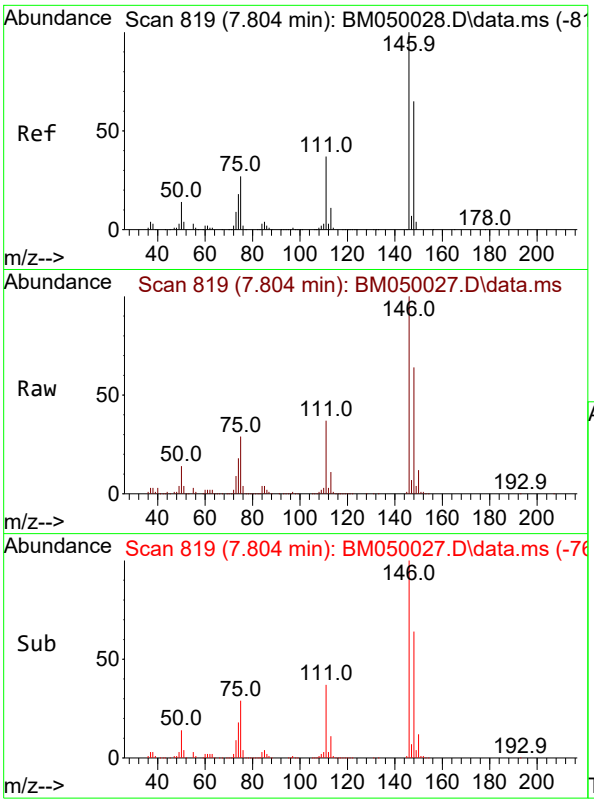


#12
1,3-Dichlorobenzene
Concen: 19.480 ng
RT: 7.657 min Scan# 794
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:146 Resp: 352660

Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.5	78.7
75	27.8	22.6	34.0

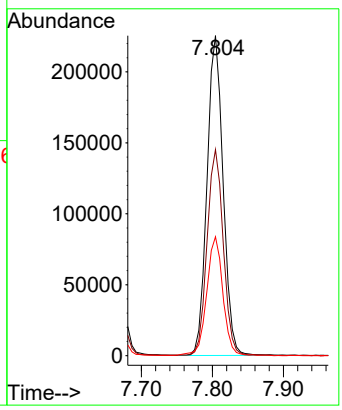




#13
1,4-Dichlorobenzene
Concen: 19.518 ng
RT: 7.804 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:146 Resp: 35497

Ion	Ratio	Lower	Upper
146	100		
148	64.4	52.2	78.2
111	37.2	29.3	43.9



Instrument :
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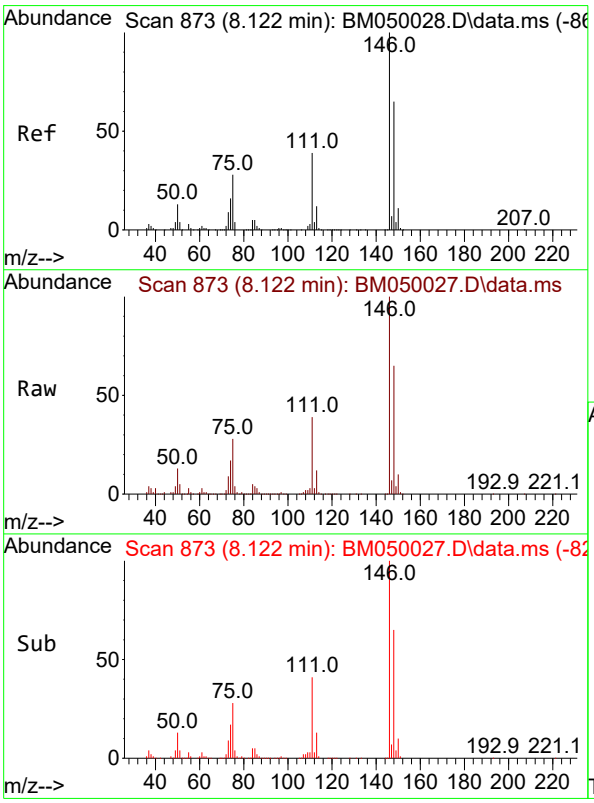
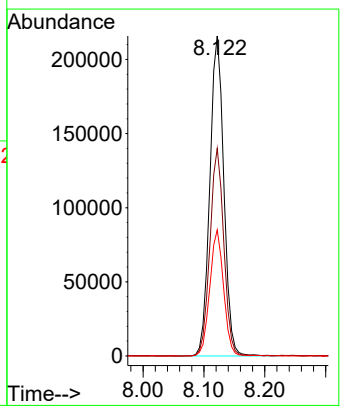
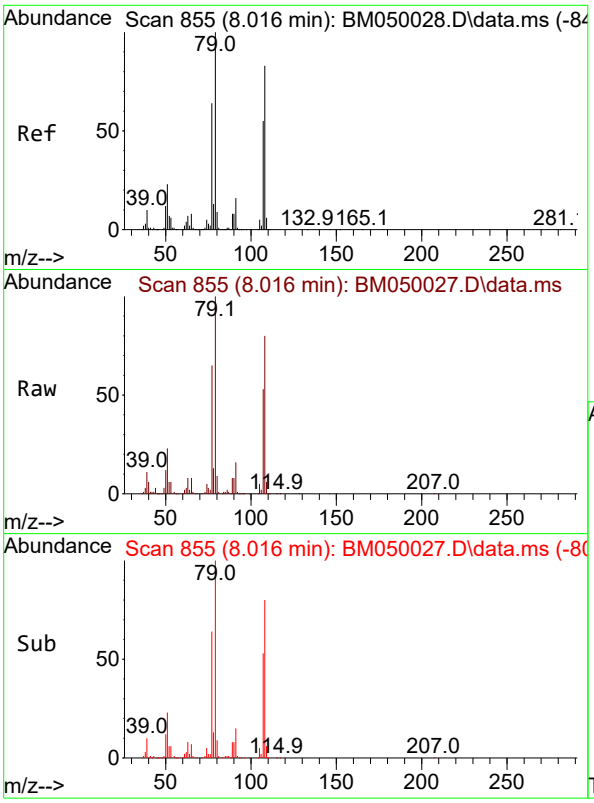


#14
1,2-Dichlorobenzene
Concen: 19.660 ng
RT: 8.122 min Scan# 873
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:146 Resp: 345385

Ion	Ratio	Lower	Upper
146	100		
148	64.8	52.4	78.6
111	39.4	31.0	46.6

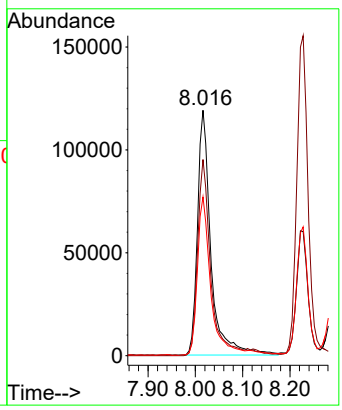




#15
Benzyl Alcohol
Concen: 19.413 ng
RT: 8.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 79 Resp: 23454

Ion	Ratio	Lower	Upper
79	100		
108	79.9	66.0	99.0
77	64.6	51.6	77.4



Instrument :
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ClientSampleId :
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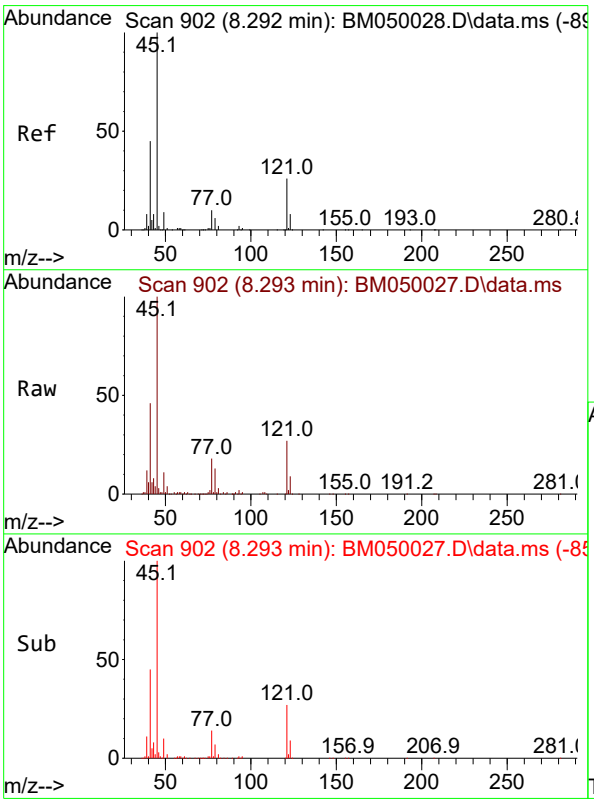
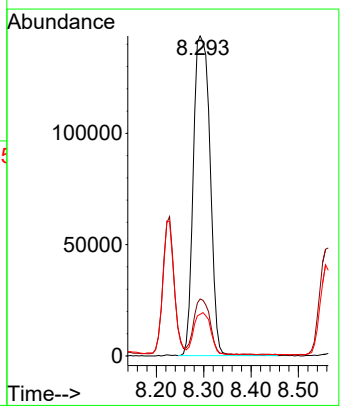
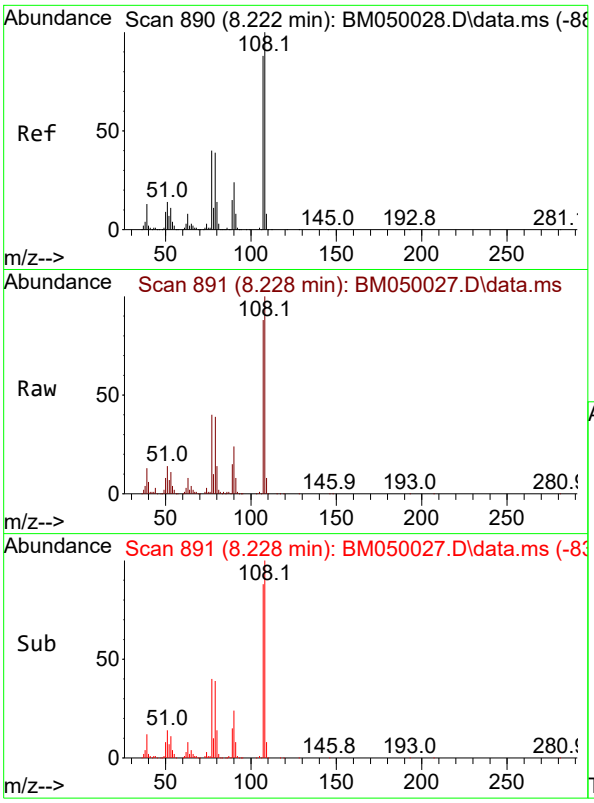


#16
2,2'-oxybis(1-Chloropropane)
Concen: 19.598 ng
RT: 8.293 min Scan# 902
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 45 Resp: 350829

Ion	Ratio	Lower	Upper
45	100		
77	17.8	0.0	36.4
79	13.0	0.0	32.7

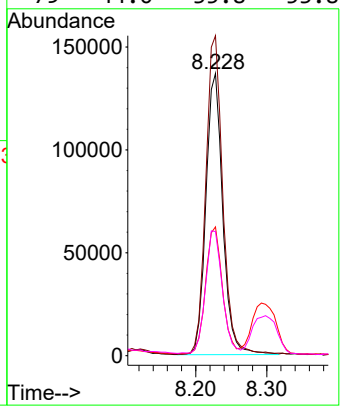




#17
2-Methylphenol
Concen: 19.450 ng
RT: 8.228 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:107 Resp: 22597

Ion	Ratio	Lower	Upper
107	100		
108	113.4	91.1	136.7
77	45.7	36.2	54.4
79	44.0	35.8	53.8



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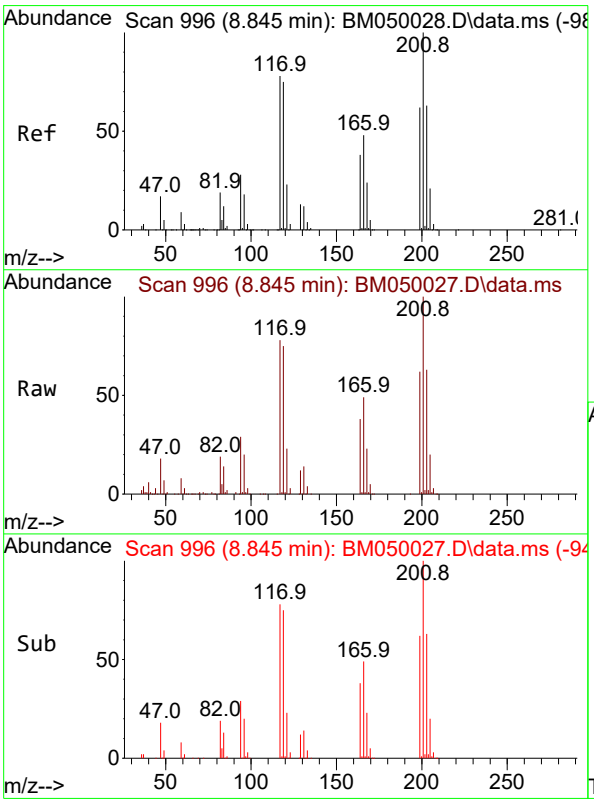
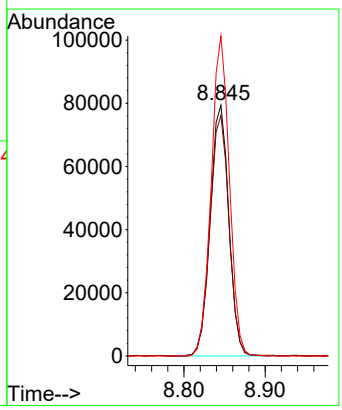
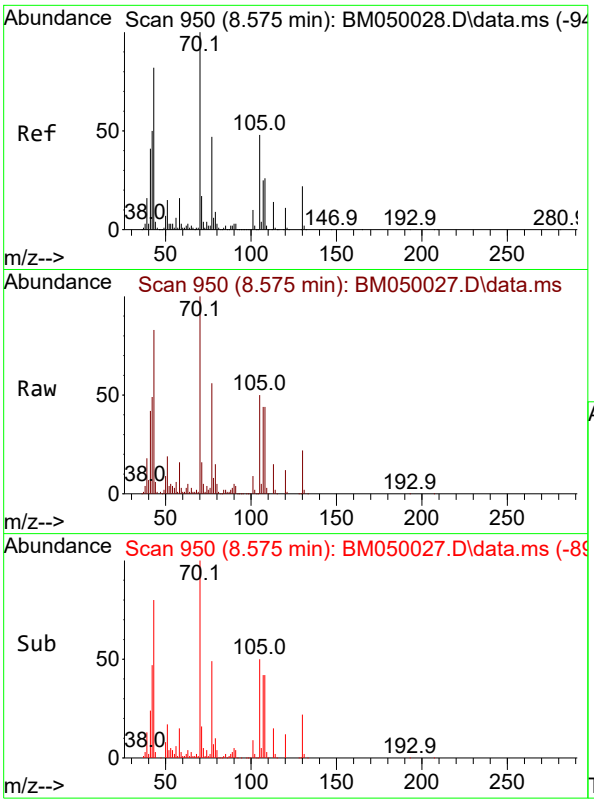


#18
Hexachloroethane
Concen: 19.571 ng
RT: 8.845 min Scan# 996
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:117 Resp: 126530

Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.3	115.9
201	127.6	102.8	154.2

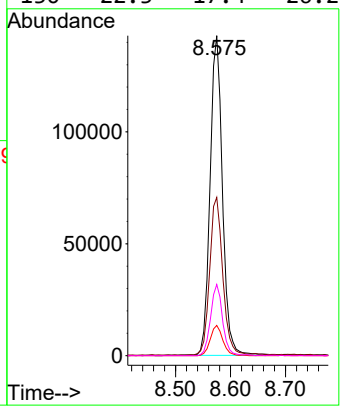




#19
n-Nitroso-di-n-propylamine
Concen: 20.006 ng
RT: 8.575 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 70 Resp: 22353

Ion	Ratio	Lower	Upper
70	100		
42	49.5	40.5	60.7
101	9.5	7.8	11.6
130	22.3	17.4	26.2



Instrument :
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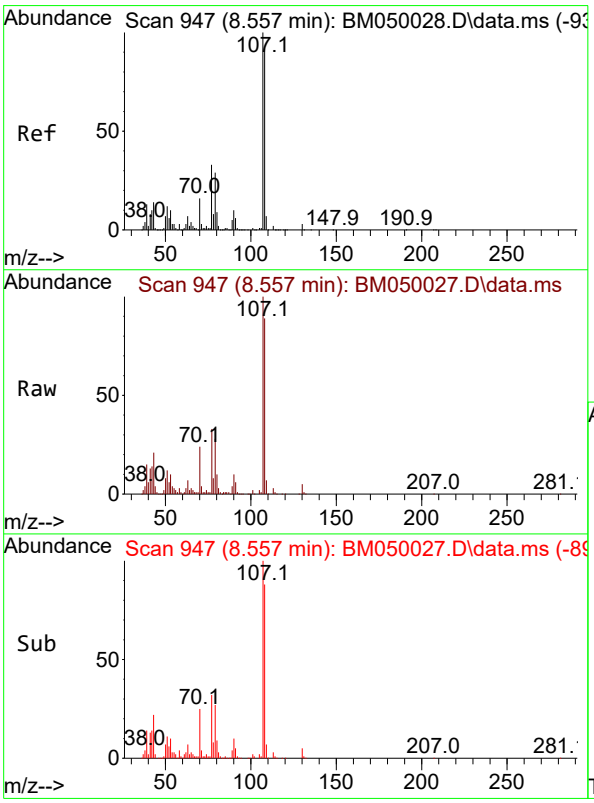
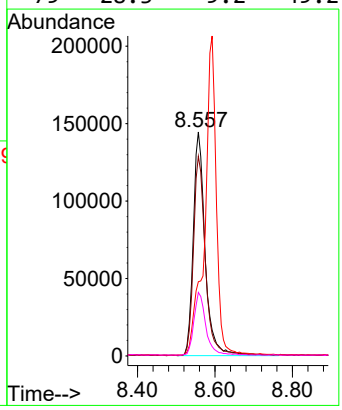
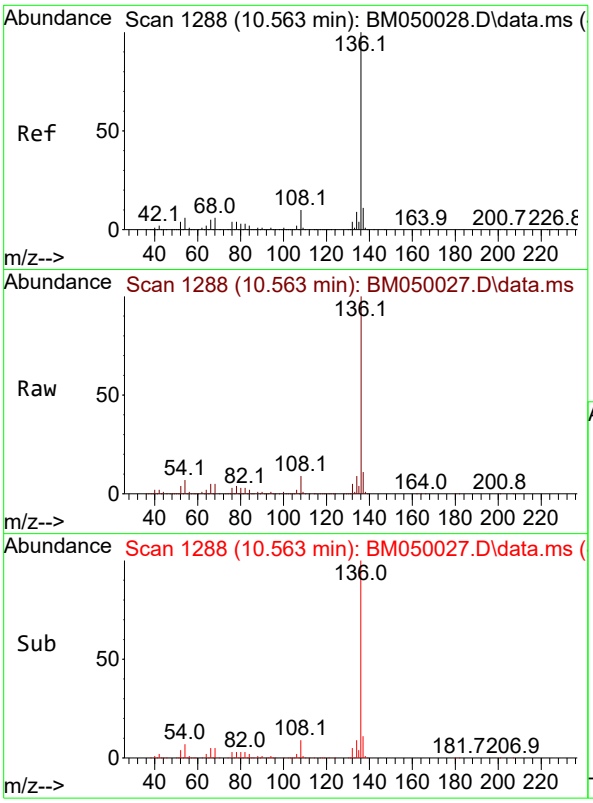


#20
3+4-Methylphenols
Concen: 19.604 ng
RT: 8.557 min Scan# 947
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:107 Resp: 307585

Ion	Ratio	Lower	Upper
107	100		
108	89.1	72.4	112.4
77	33.1	13.6	53.6
79	28.3	9.2	49.2

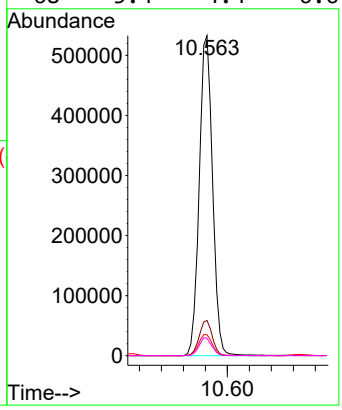




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:136 Resp: 89636

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.6	5.1	7.7
68	5.4	4.4	6.6



Instrument :
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ClientSampleId :
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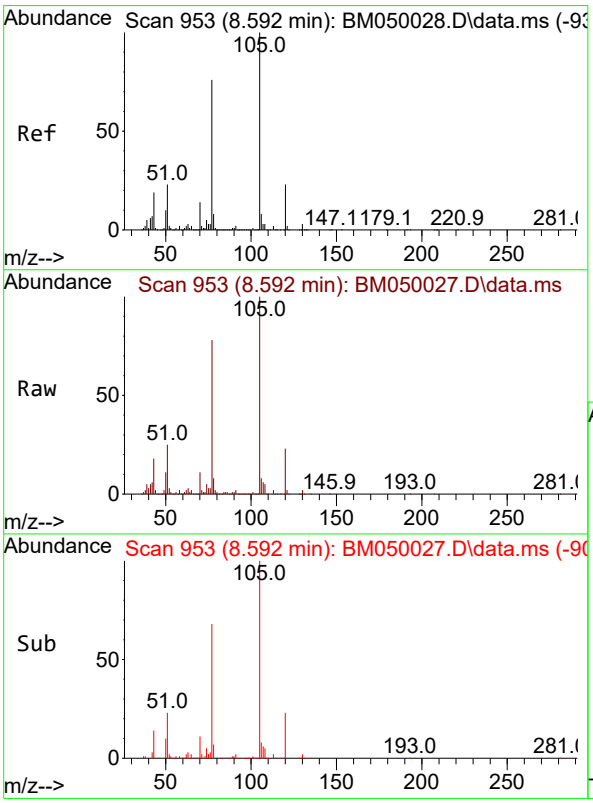
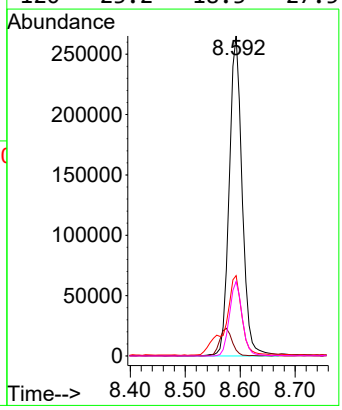
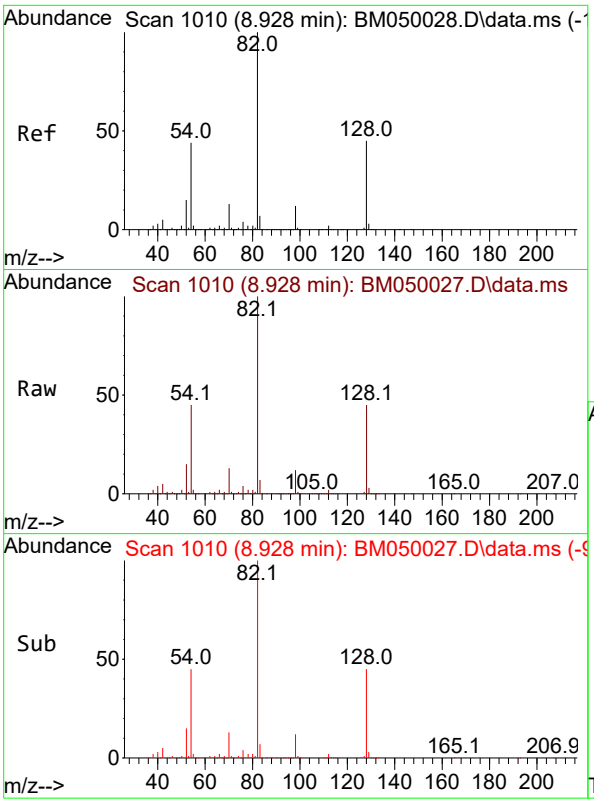


#22
Acetophenone
Concen: 19.499 ng
RT: 8.592 min Scan# 953
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:105 Resp: 434539

Ion	Ratio	Lower	Upper
105	100		
71	1.9	1.7	2.5
51	25.1	18.6	27.8
120	23.2	18.3	27.5

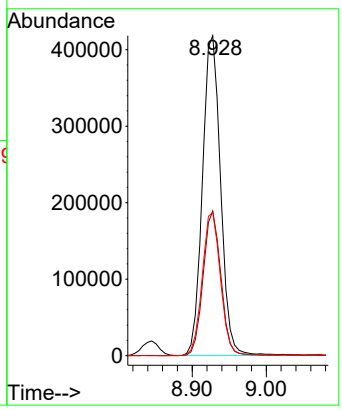




#23
Nitrobenzene-d5
Concen: 39.151 ng
RT: 8.928 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 82 Resp: 71217

Ion	Ratio	Lower	Upper
82	100		
128	45.2	35.7	53.5
54	44.8	35.4	53.2



Instrument :
BNA_M
ClientSampleId :
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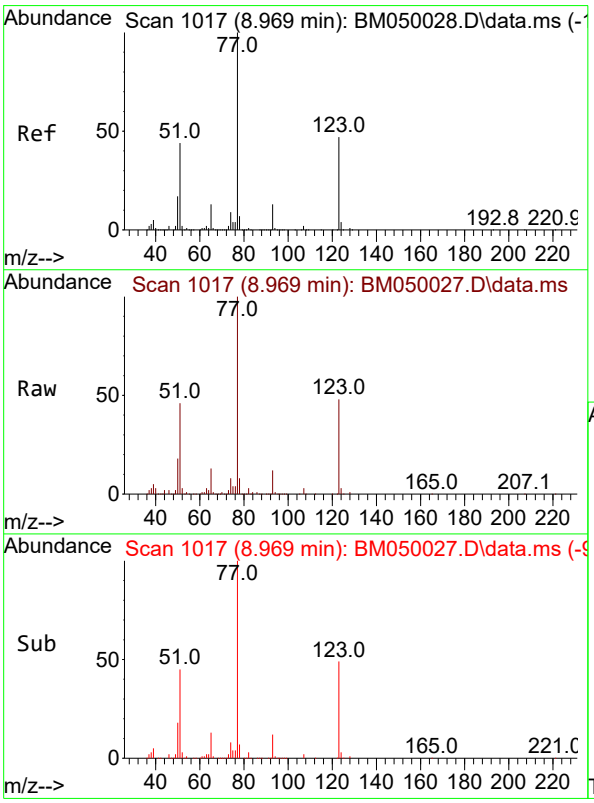
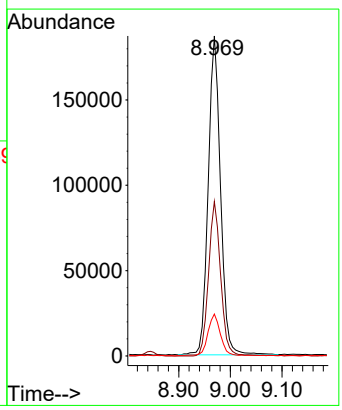
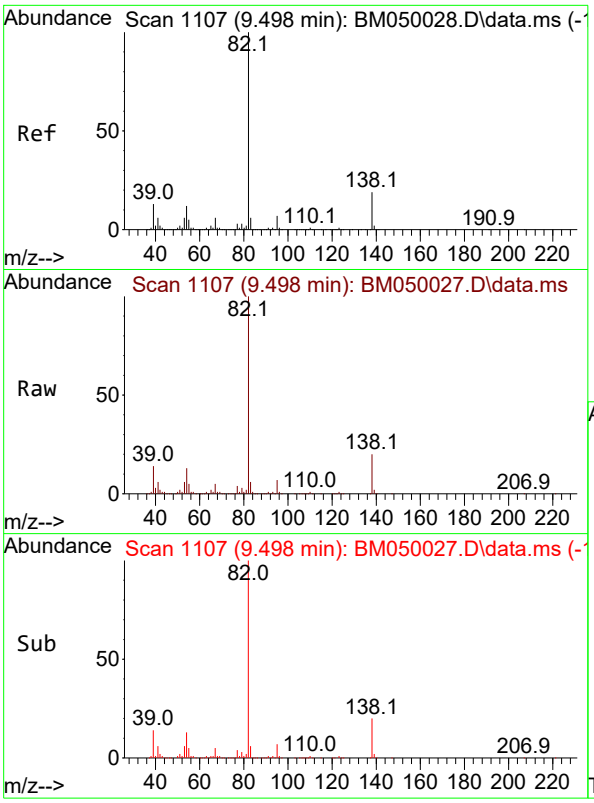


#24
Nitrobenzene
Concen: 19.667 ng
RT: 8.969 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 77 Resp: 309341

Ion	Ratio	Lower	Upper
77	100		
123	48.2	37.9	56.9
65	13.1	10.1	15.1

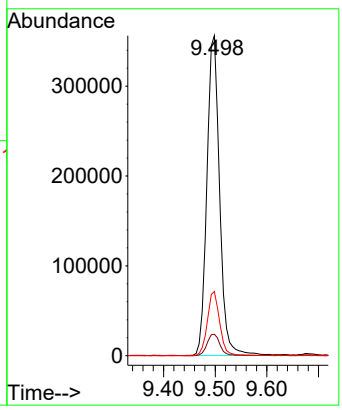




#25
Isophorone
Concen: 19.648 ng
RT: 9.498 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 82 Resp: 60925

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.7	8.5
138	20.1	15.5	23.3



Instrument :
BNA_M
ClientSampleId :
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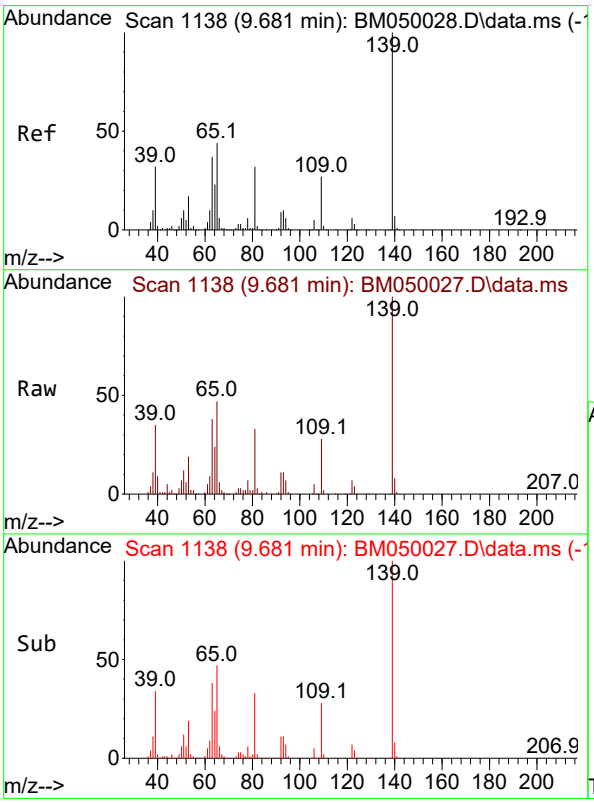
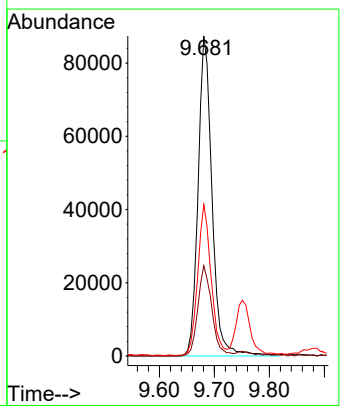
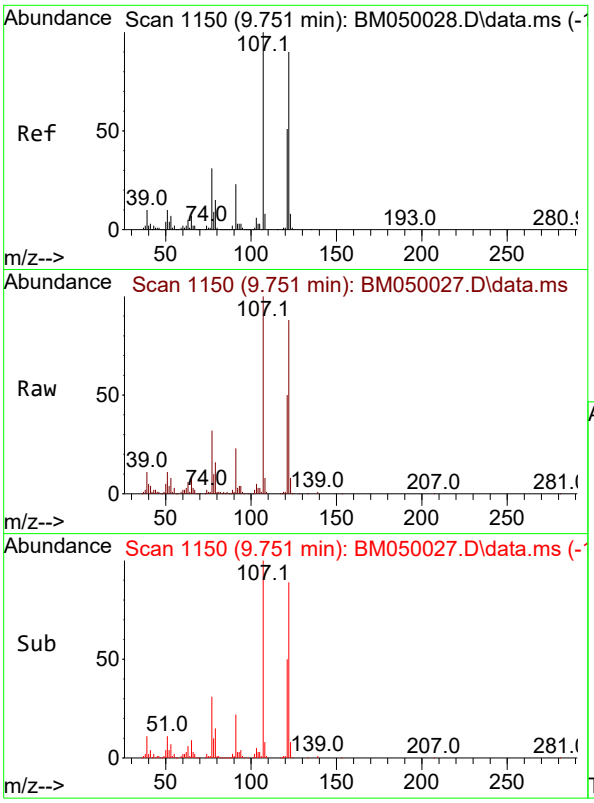


#26
2-Nitrophenol
Concen: 19.211 ng
RT: 9.681 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:139 Resp: 154364

Ion	Ratio	Lower	Upper
139	100		
109	28.2	21.9	32.9
65	47.3	35.4	53.2

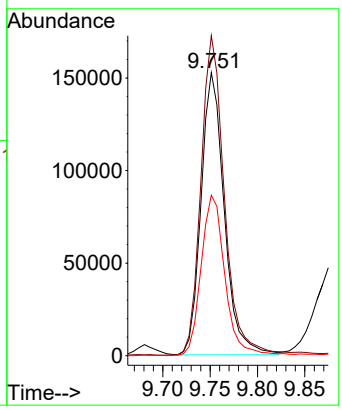




#27
2,4-Dimethylphenol
Concen: 19.460 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:122 Resp: 25931

Ion	Ratio	Lower	Upper
122	100		
107	113.1	89.0	133.6
121	56.7	45.6	68.4



Instrument :
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ClientSampleId :
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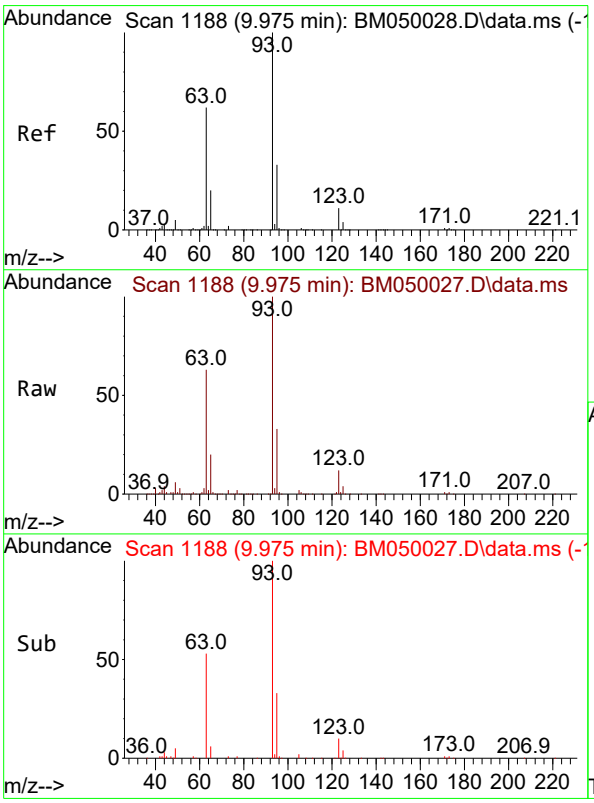
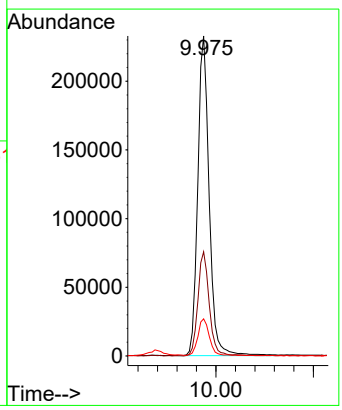
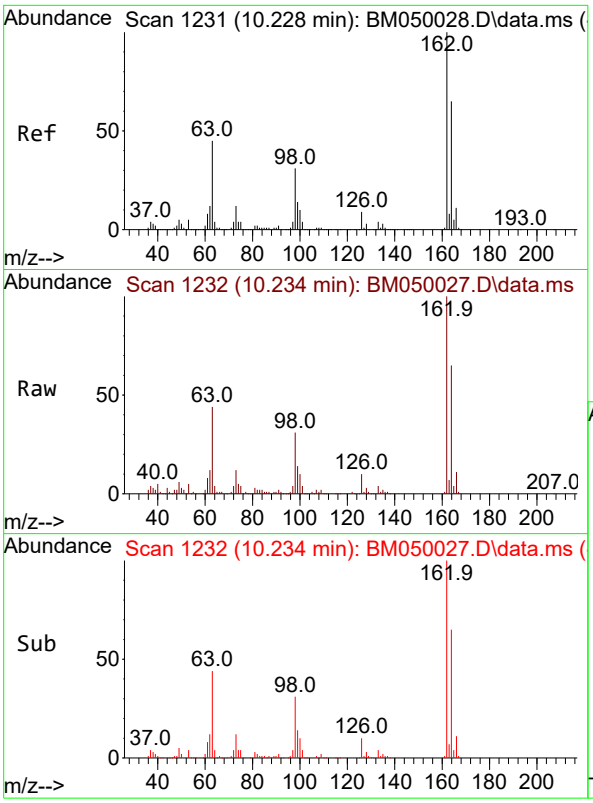


#28
bis(2-Chloroethoxy)methane
Concen: 19.732 ng
RT: 9.975 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 93 Resp: 378162

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.1	39.1
123	11.6	9.5	14.3

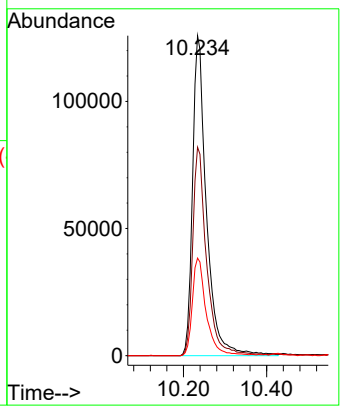




#29
2,4-Dichlorophenol
Concen: 19.582 ng
RT: 10.234 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:162 Resp: 29233

Ion	Ratio	Lower	Upper
162	100		
164	65.2	45.4	85.4
98	30.5	11.3	51.3



Instrument :
BNA_M
ClientSampleId :
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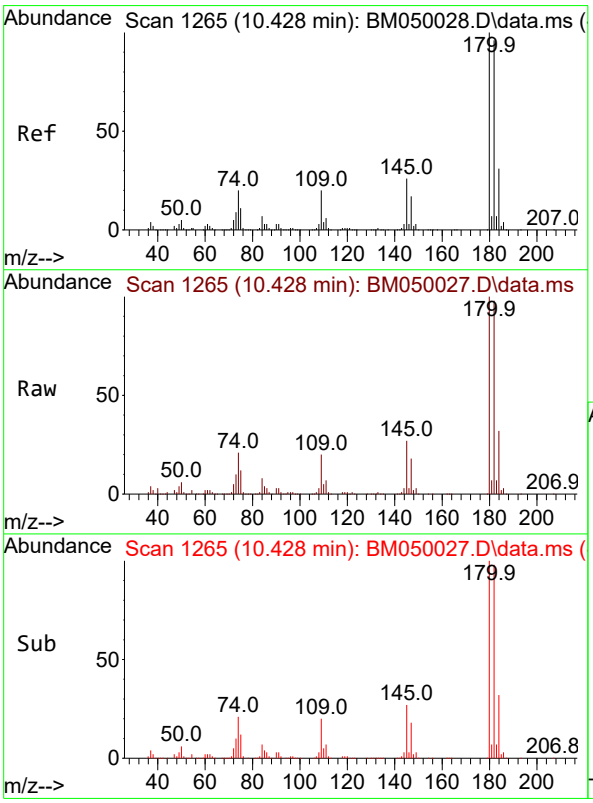
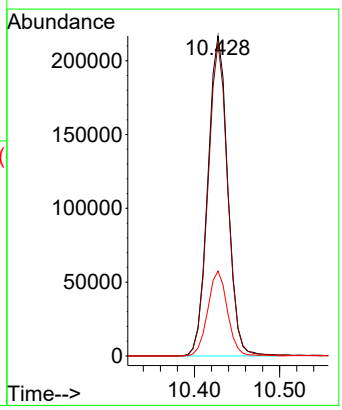
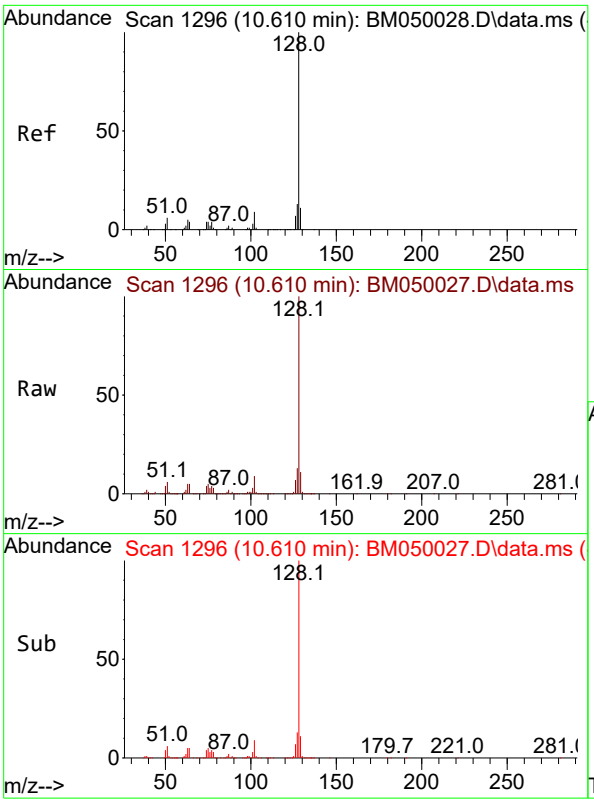


#30
1,2,4-Trichlorobenzene
Concen: 19.397 ng
RT: 10.428 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:180 Resp: 352792

Ion	Ratio	Lower	Upper
180	100		
182	97.8	77.0	115.4
145	26.6	20.6	30.8

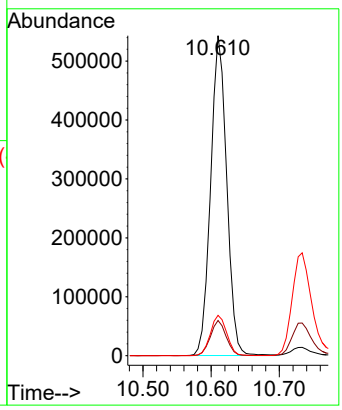




#31
Naphthalene
Concen: 19.618 ng
RT: 10.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:128 Resp: 89053

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	12.6	10.4	15.6



Instrument :
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ClientSampleId :
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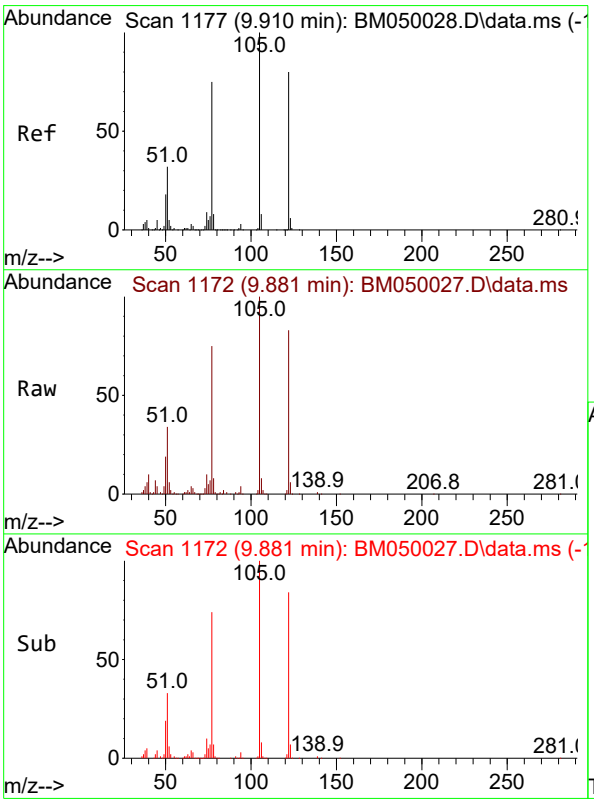
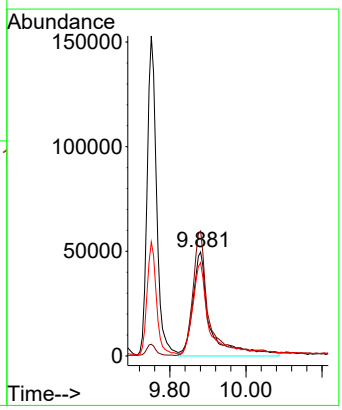
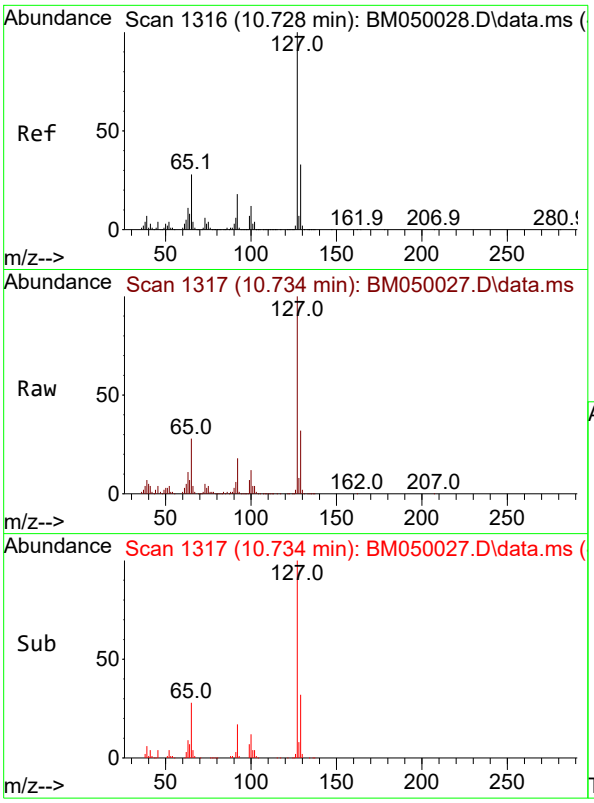


#32
Benzoic acid
Concen: 18.168 ng m
RT: 9.881 min Scan# 1172
Delta R.T. -0.029 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:122 Resp: 154412

Ion	Ratio	Lower	Upper
122	100		
105	120.1	103.6	143.6
77	89.7	73.7	113.7

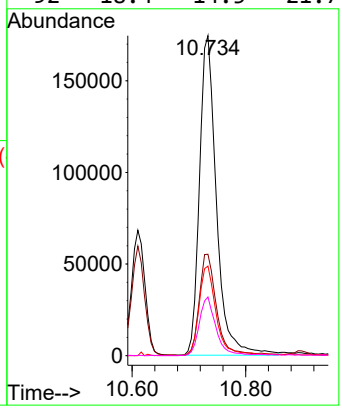




#33
4-Chloroaniline
Concen: 19.475 ng
RT: 10.734 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:127 Resp: 36236

Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.3	39.5
65	28.0	22.5	33.7
92	18.4	14.5	21.7



Instrument :
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ClientSampleId :
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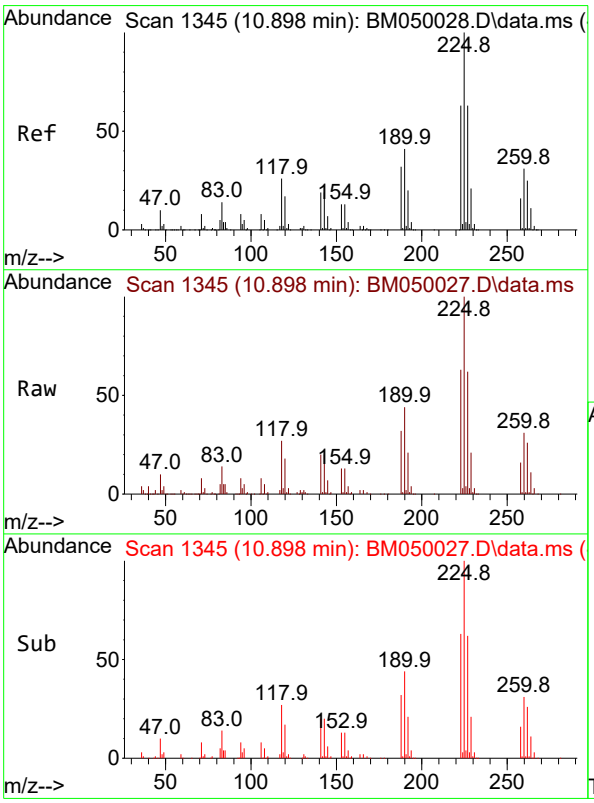
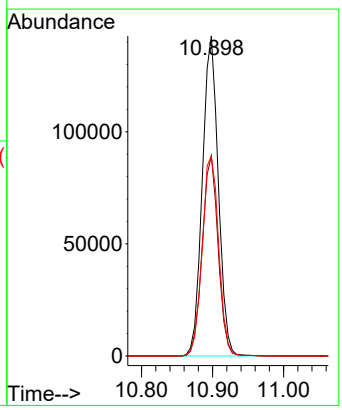
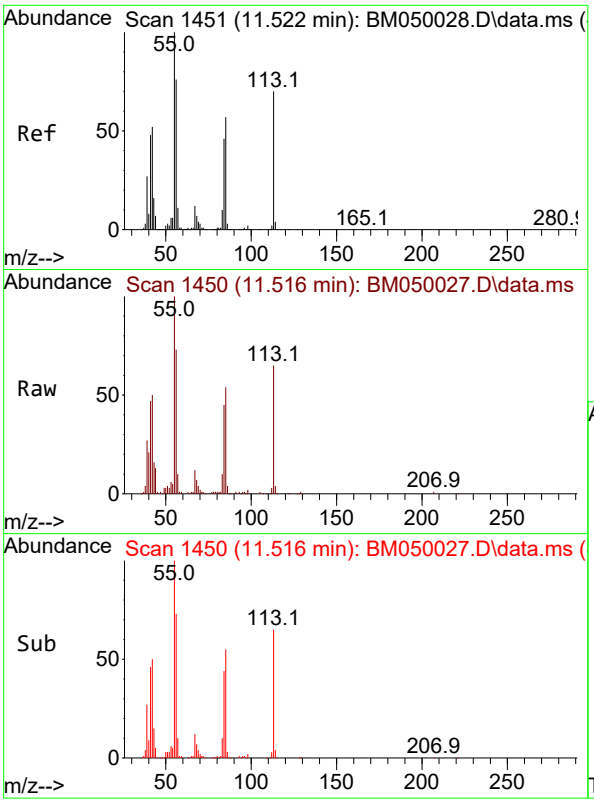


#34
Hexachlorobutadiene
Concen: 19.327 ng
RT: 10.898 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:225 Resp: 223143

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.2	75.2
227	62.4	50.6	76.0





#35
Caprolactam
Concen: 19.509 ng
RT: 11.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:113 Resp: 8491

Ion	Ratio	Lower	Upper
113	100		
55	154.8	122.9	162.9
56	112.6	88.1	128.1

Instrument :
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ClientSampleId :
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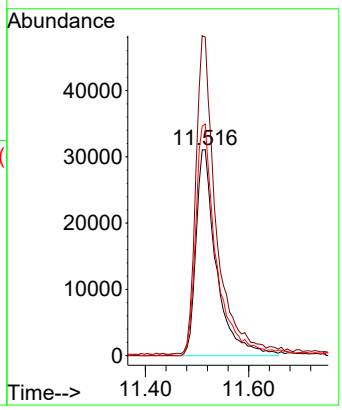
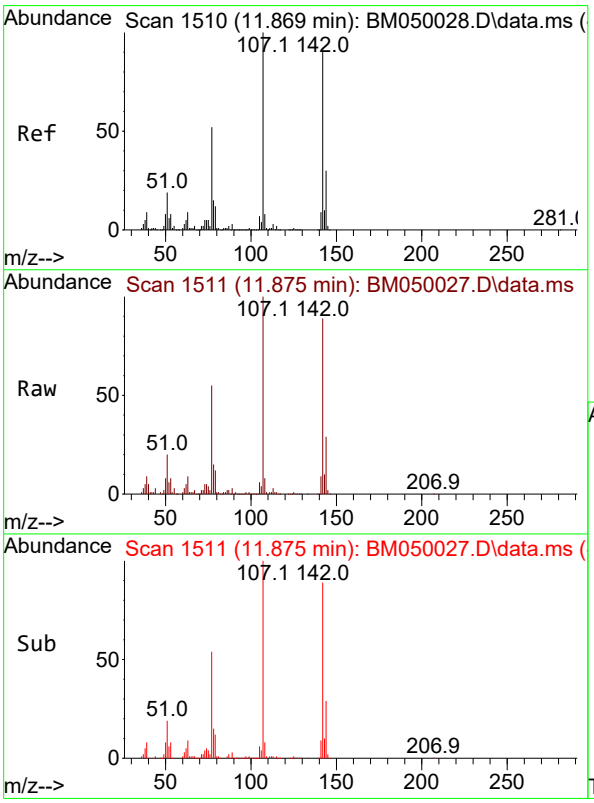
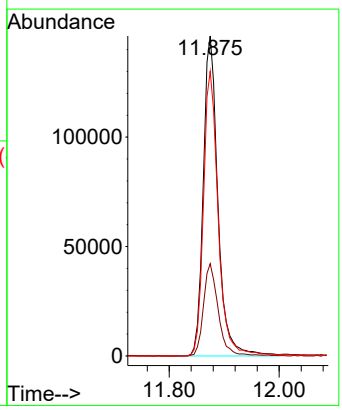


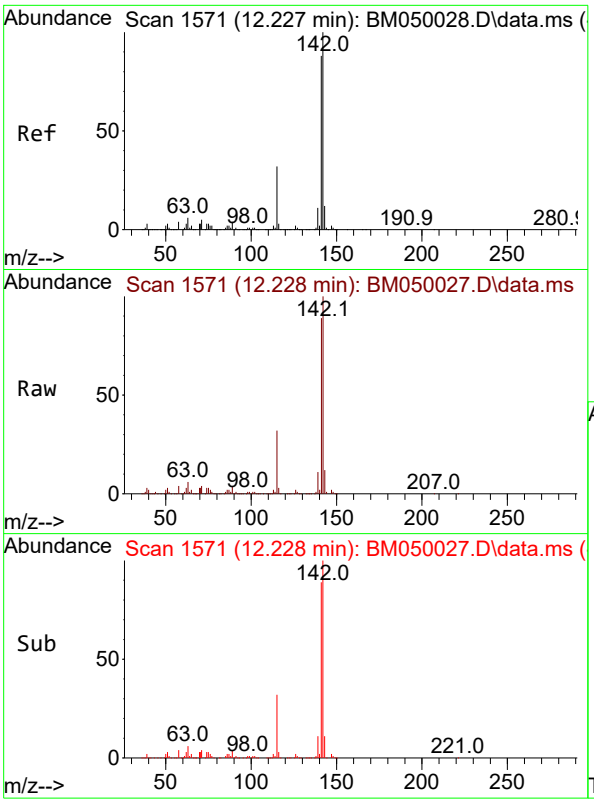


#36
4-Chloro-3-methylphenol
Concen: 19.613 ng
RT: 11.875 min Scan# 1511
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:107 Resp: 270510

Ion	Ratio	Lower	Upper
107	100		
144	28.8	23.8	35.6
142	89.0	71.9	107.9

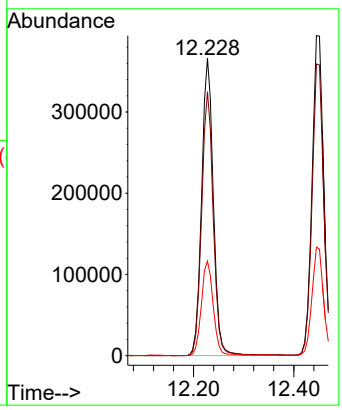




#37
2-Methylnaphthalene
Concen: 19.498 ng
RT: 12.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:142 Resp: 59340

Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.4	105.6
115	31.8	25.4	38.2



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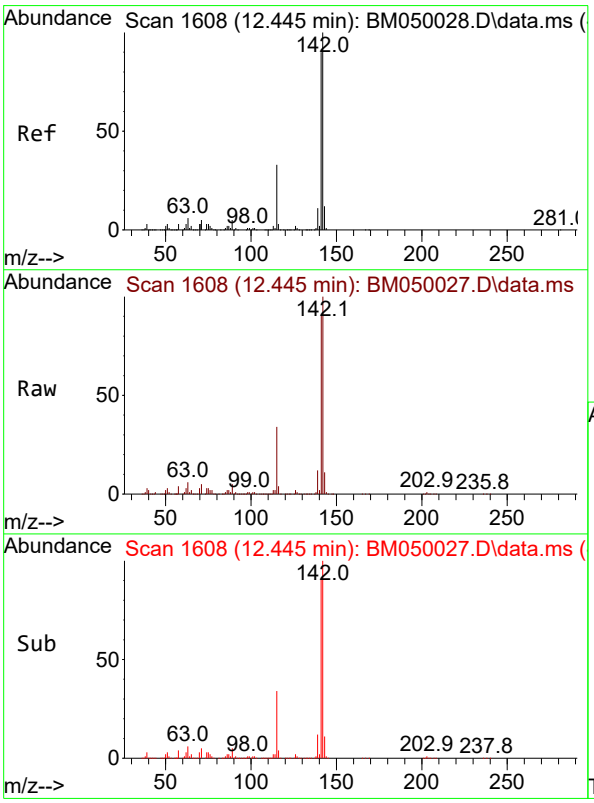
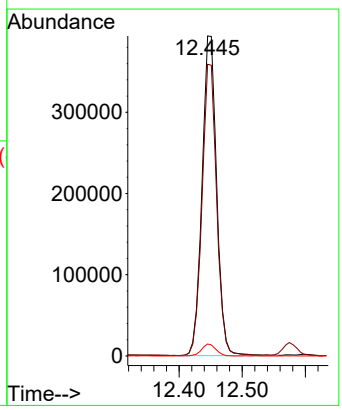
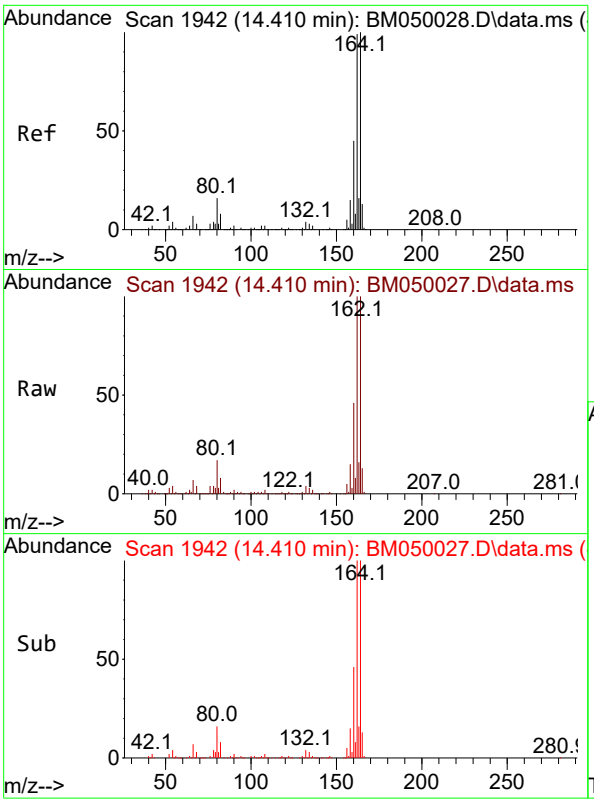


#38
1-Methylnaphthalene
Concen: 19.694 ng
RT: 12.445 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:142 Resp: 634293

Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.1	108.1
116	3.8	2.7	4.1

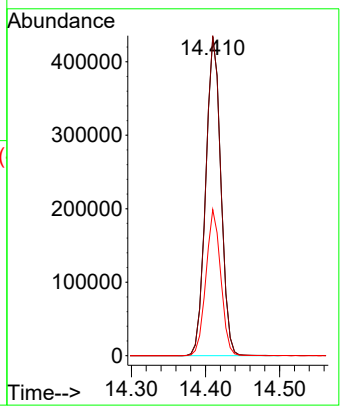




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:164 Resp: 61468

Ion	Ratio	Lower	Upper
164	100		
162	100.4	79.4	119.0
160	45.8	36.2	54.4



Instrument :
BNA_M
ClientSampleId :
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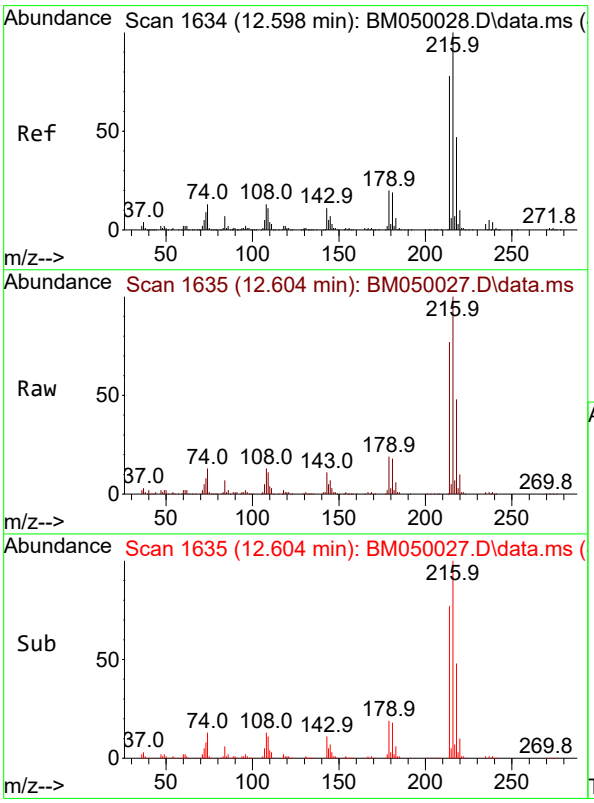
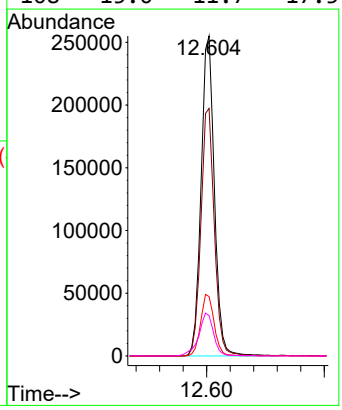
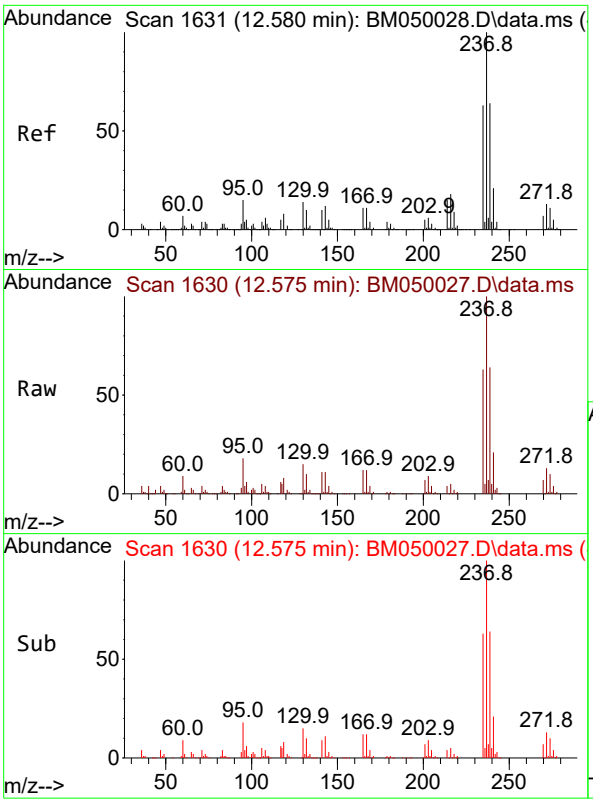


#40
1,2,4,5-Tetrachlorobenzene
Concen: 18.909 ng
RT: 12.604 min Scan# 1635
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:216 Resp: 402355

Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.3	93.5
179	19.6	15.4	23.0
108	15.0	11.7	17.5





#41
Hexachlorocyclopentadiene
Concen: 17.091 ng
RT: 12.575 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:237 Resp: 22225

Ion	Ratio	Lower	Upper
237	100		
235	63.1	42.9	82.9
272	12.9	0.0	32.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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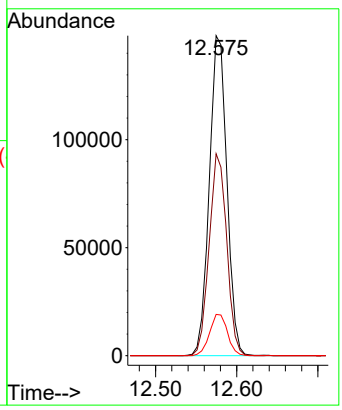
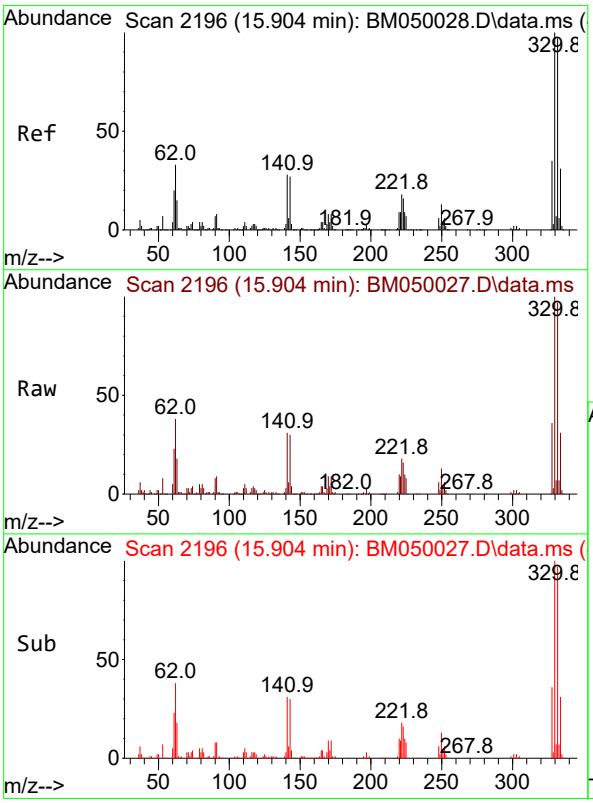
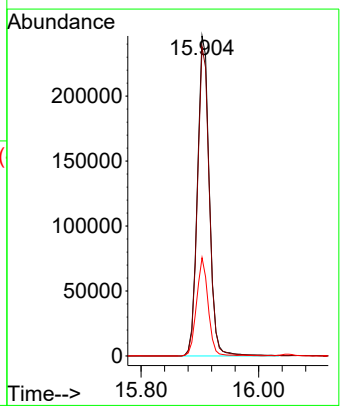


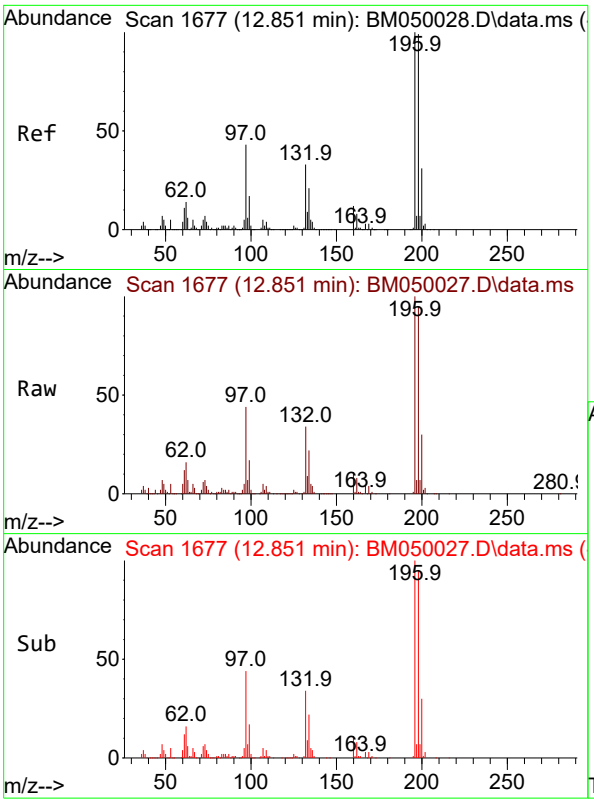


#42
2,4,6-Tribromophenol
Concen: 37.960 ng
RT: 15.904 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:330 Resp: 345020

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.3	115.9
141	30.1	22.5	33.7





#43
2,4,6-Trichlorophenol
Concen: 19.276 ng
RT: 12.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:196 Resp: 26016

Ion	Ratio	Lower	Upper
196	100		
198	94.8	79.0	118.6
200	30.0	25.1	37.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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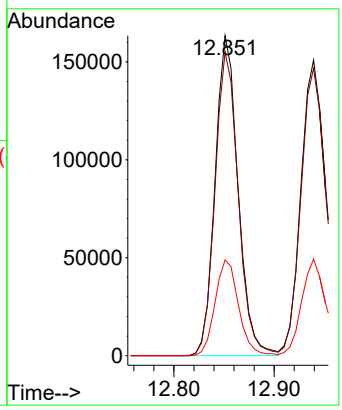
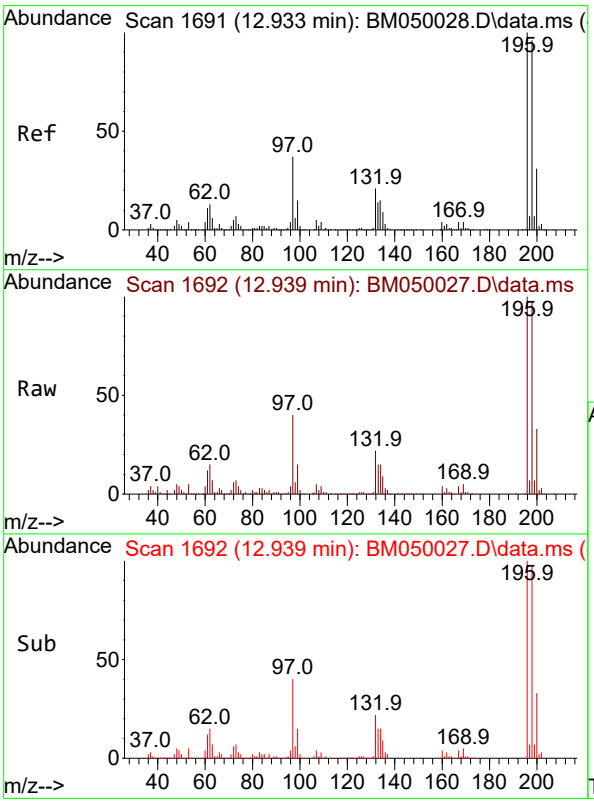
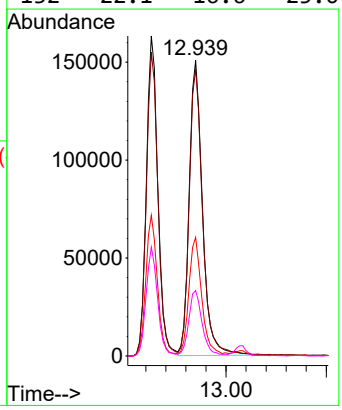


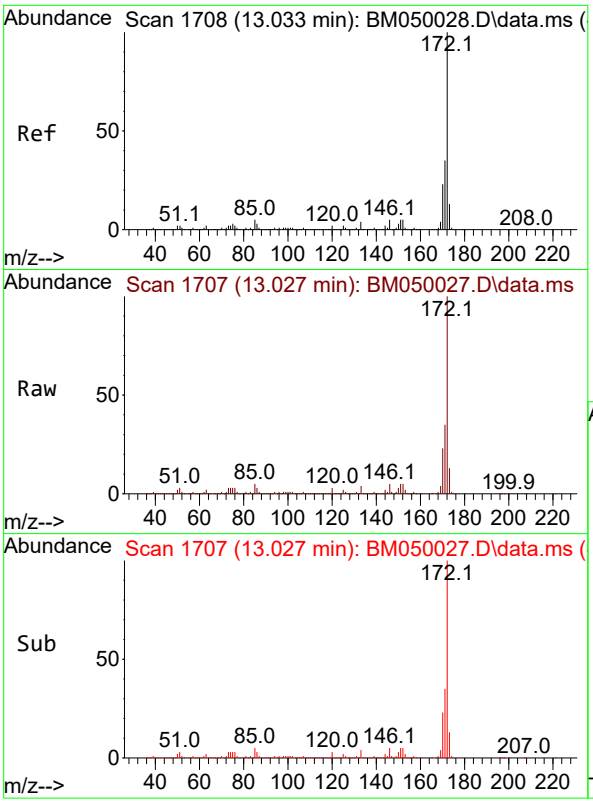


#44
2,4,5-Trichlorophenol
Concen: 19.123 ng
RT: 12.939 min Scan# 1692
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:196 Resp: 278307

Ion	Ratio	Lower	Upper
196	100		
198	97.2	76.7	115.1
97	40.1	30.1	45.1
132	22.1	16.6	25.0

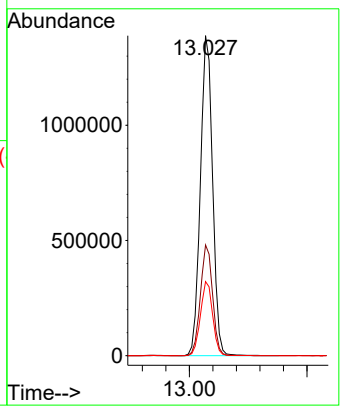




#45
2-Fluorobiphenyl
Concen: 38.602 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:172 Resp: 200578

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.8	41.6
170	23.2	18.6	28.0



Instrument :
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ClientSampleId :
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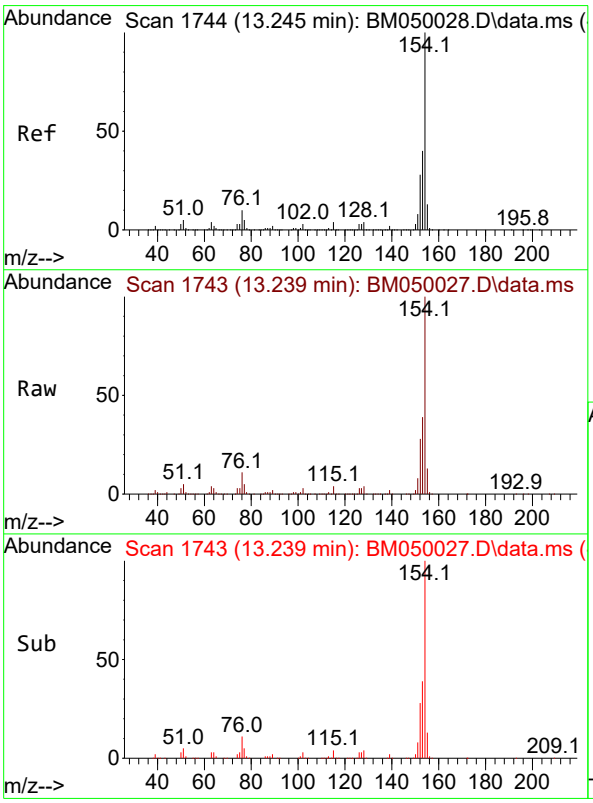
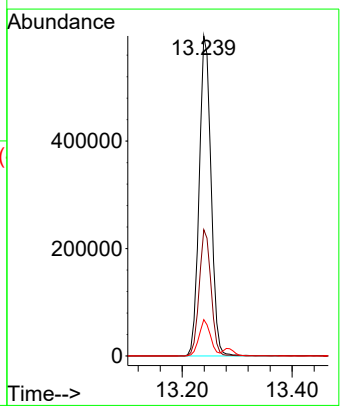
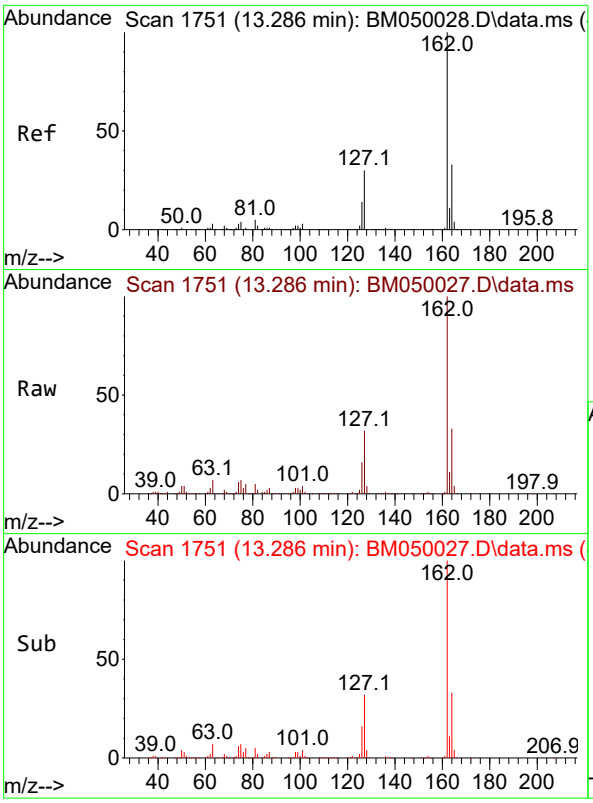


#46
1,1'-Biphenyl
Concen: 19.530 ng
RT: 13.239 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:154 Resp: 892394

Ion	Ratio	Lower	Upper
154	100		
153	39.5	20.0	60.0
76	11.3	0.0	30.3

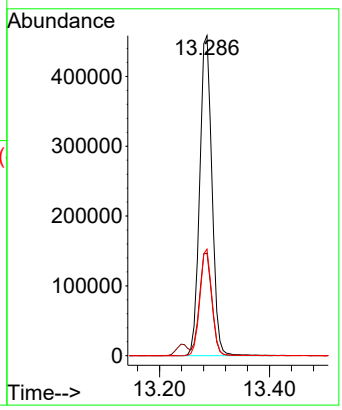




#47
2-Chloronaphthalene
Concen: 19.614 ng
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:162 Resp: 70981

Ion	Ratio	Lower	Upper
162	100		
127	32.0	25.9	38.9
164	33.3	26.6	40.0



Instrument :
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ClientSampleId :
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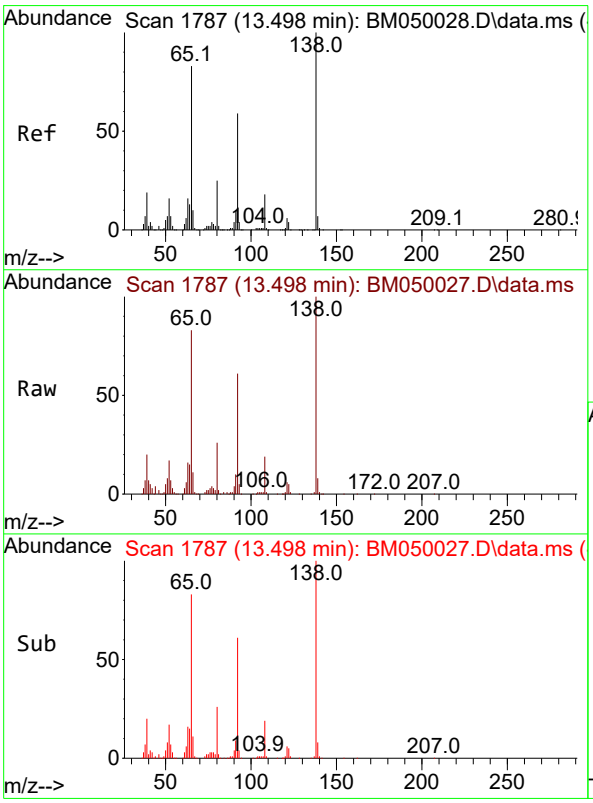
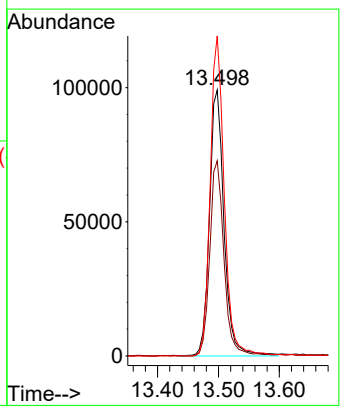
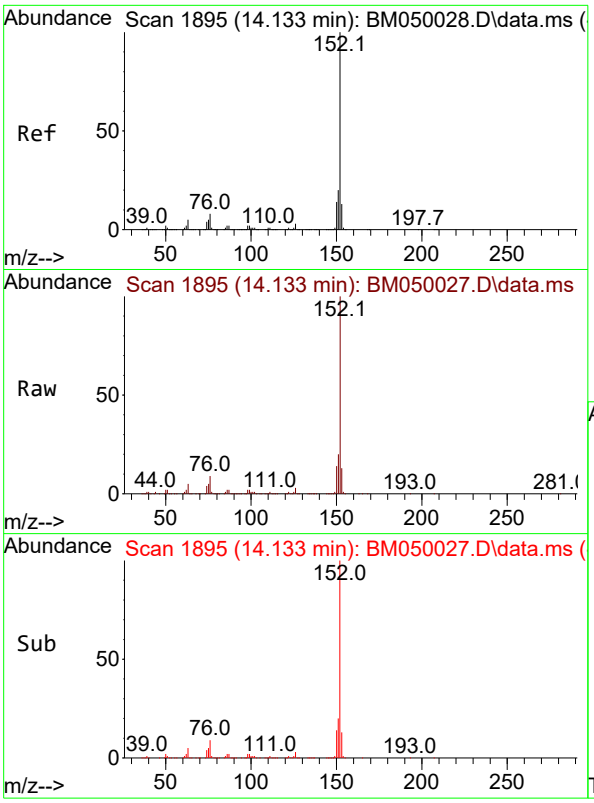


#48
2-Nitroaniline
Concen: 19.465 ng
RT: 13.498 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 65 Resp: 165324

Ion	Ratio	Lower	Upper
65	100		
92	73.4	57.1	85.7
138	120.3	97.0	145.4

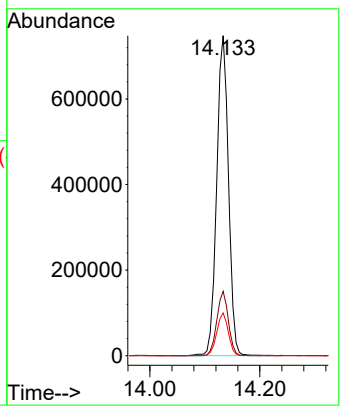




#49
Acenaphthylene
Concen: 19.502 ng
RT: 14.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:152 Resp: 111276

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.8
153	13.3	10.6	15.8



Instrument :
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ClientSampleId :
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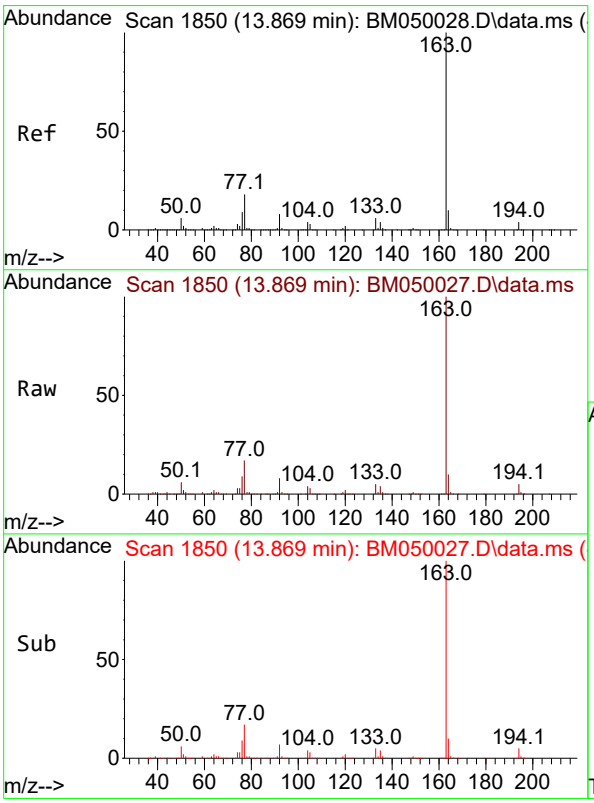
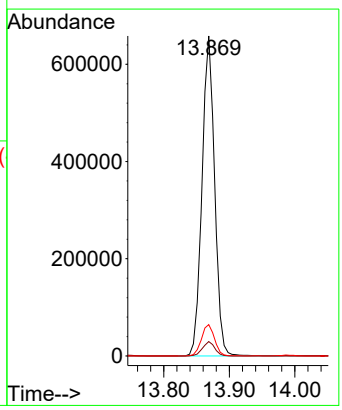
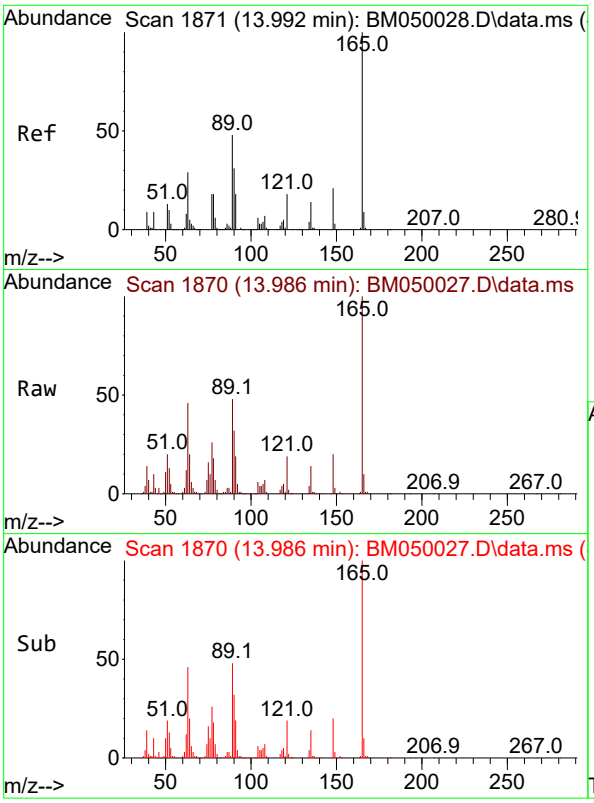


#50
Dimethylphthalate
Concen: 19.659 ng
RT: 13.869 min Scan# 1850
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:163 Resp: 883120

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.2
164	9.8	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 19.729 ng
RT: 13.986 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:165 Resp: 18349

Ion	Ratio	Lower	Upper
165	100		
63	45.7	35.1	52.7
89	48.1	38.4	57.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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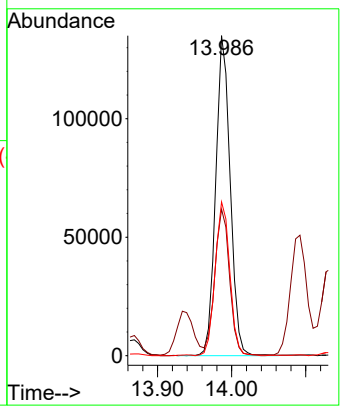
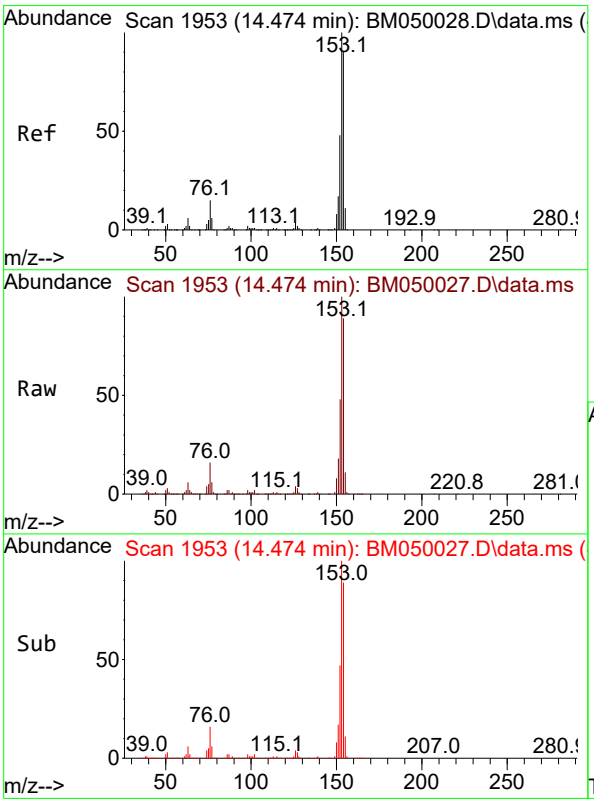
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

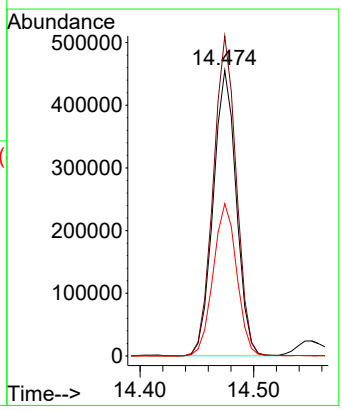


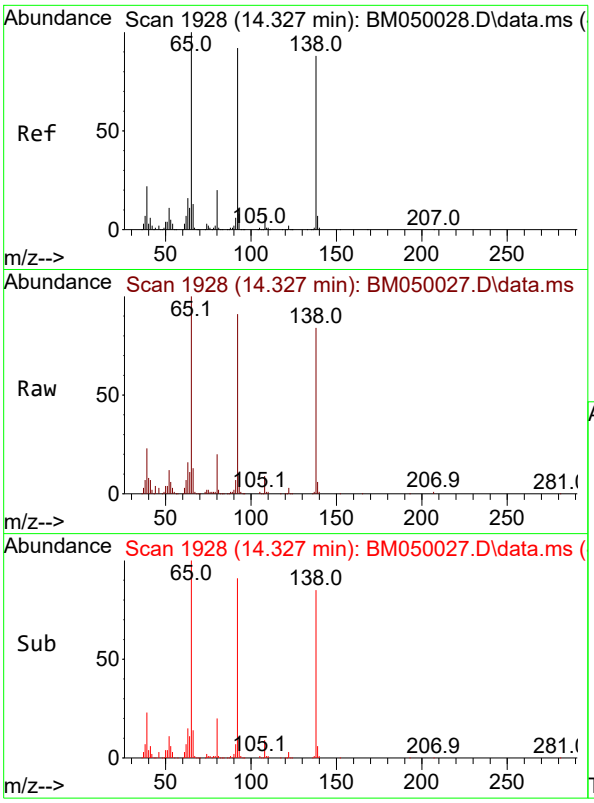


#52
Acenaphthene
Concen: 19.474 ng
RT: 14.474 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:154 Resp: 643177

Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.0	133.4
152	53.3	43.0	64.6





#53
3-Nitroaniline
Concen: 19.666 ng
RT: 14.327 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:138 Resp: 17462

Ion	Ratio	Lower	Upper
138	100		
108	10.3	7.4	11.2
92	107.9	84.0	126.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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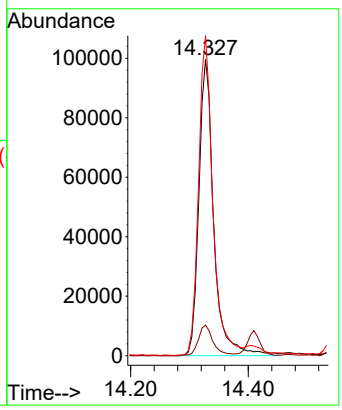
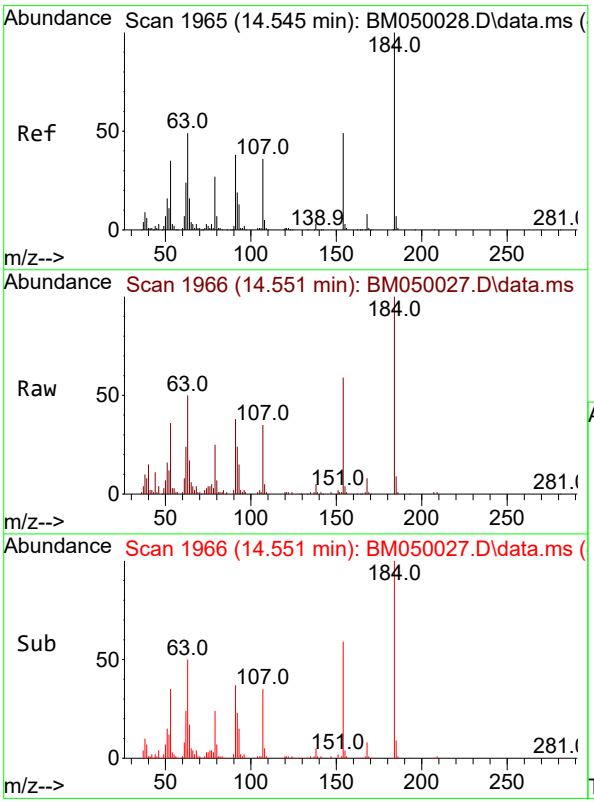
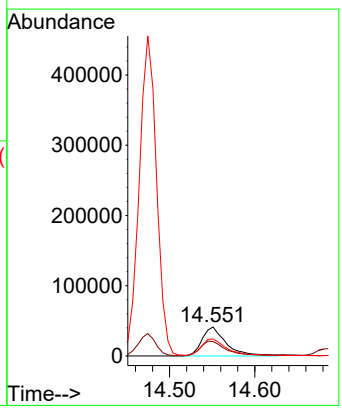


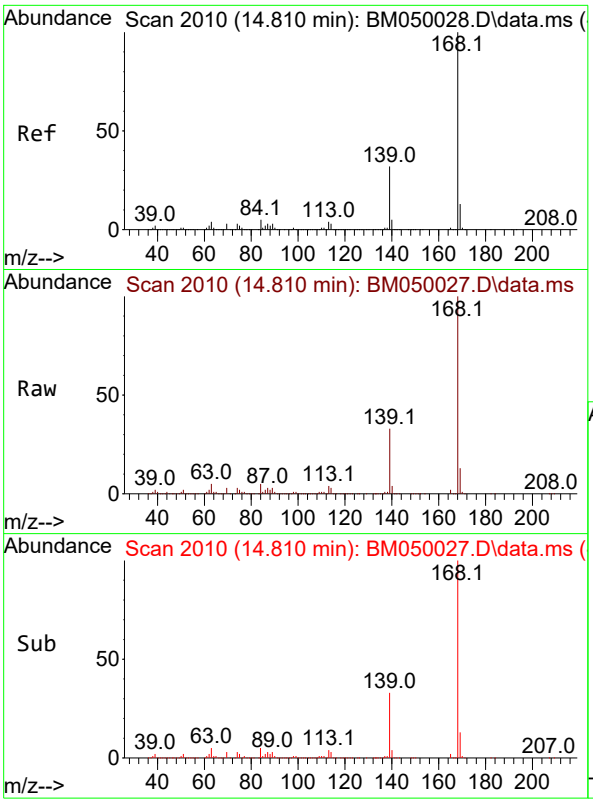


#54
2,4-Dinitrophenol
Concen: 18.373 ng
RT: 14.551 min Scan# 1966
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:184 Resp: 80991

Ion	Ratio	Lower	Upper
184	100		
63	50.1	39.8	59.6
154	58.5	46.1	69.1

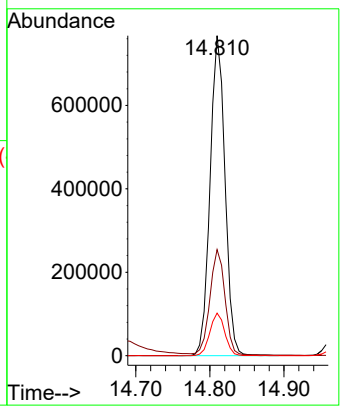




#55
Dibenzofuran
Concen: 19.562 ng
RT: 14.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:168 Resp: 107497

Ion	Ratio	Lower	Upper
168	100		
139	33.2	26.1	39.1
169	13.3	10.8	16.2



Instrument :
BNA_M
ClientSampleId :
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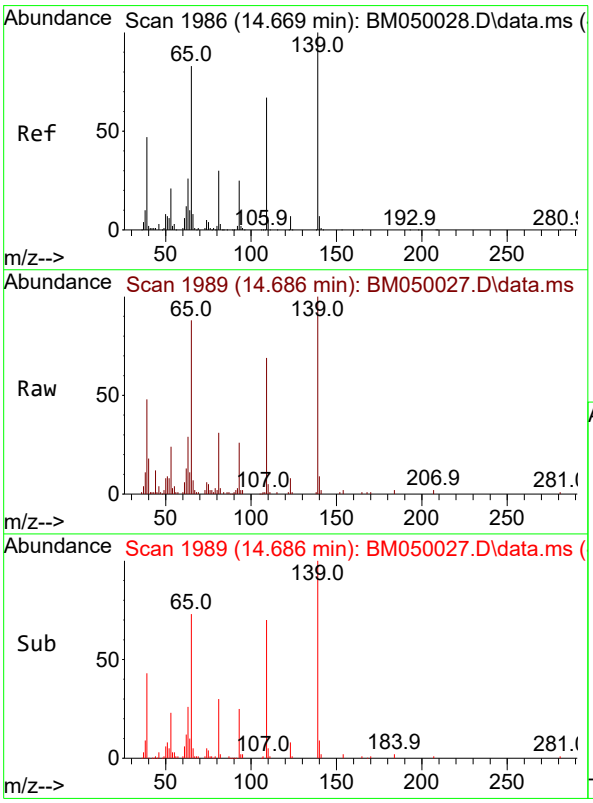
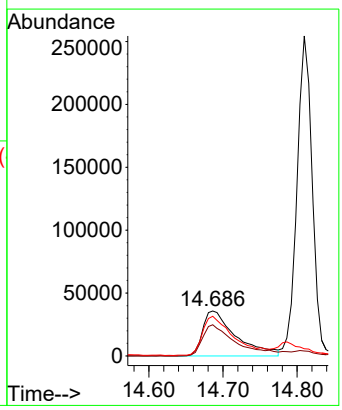
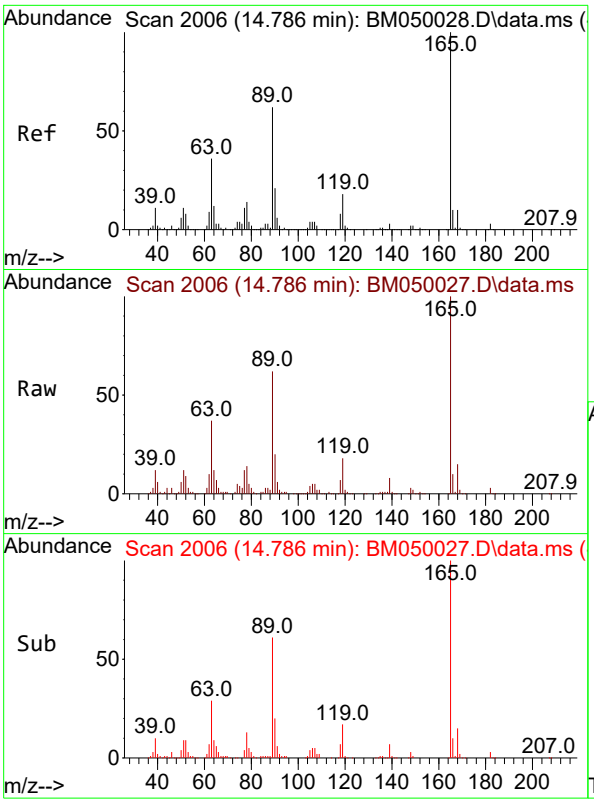


#56
4-Nitrophenol
Concen: 19.021 ng
RT: 14.686 min Scan# 1989
Delta R.T. 0.017 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:139 Resp: 110948

Ion	Ratio	Lower	Upper
139	100		
109	69.3	47.0	87.0
65	88.3	64.3	104.3

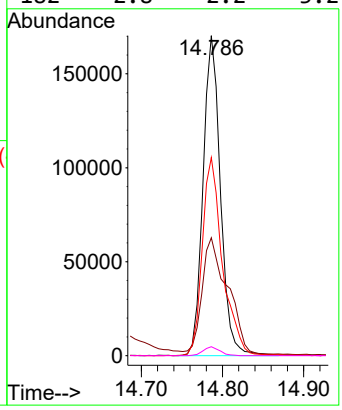




#57
2,4-Dinitrotoluene
Concen: 19.685 ng
RT: 14.786 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:165 Resp: 25299

Ion	Ratio	Lower	Upper
165	100		
63	36.9	29.0	43.6
89	61.9	49.4	74.2
182	2.8	2.2	3.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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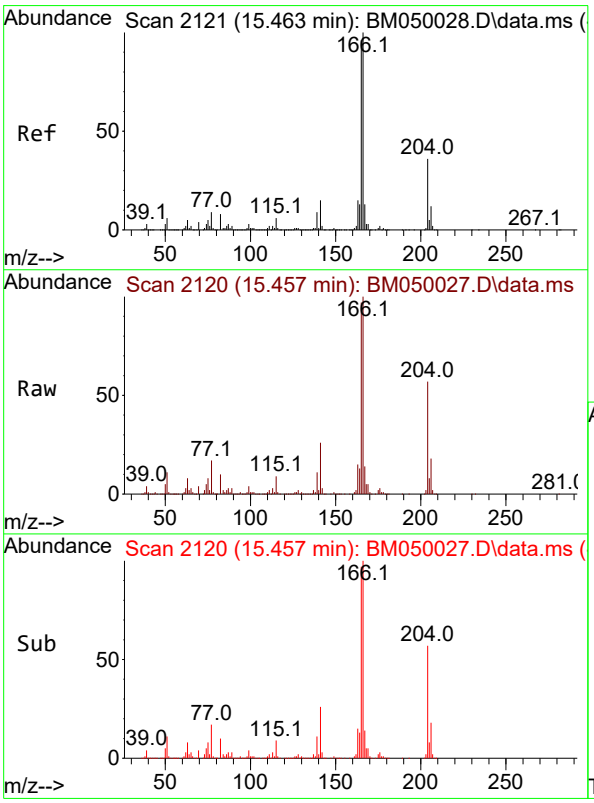
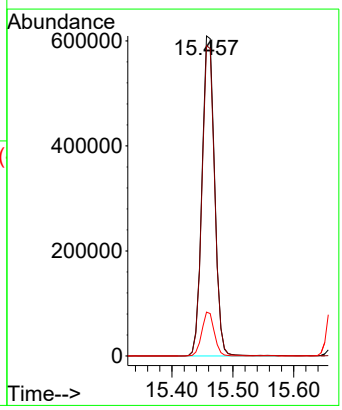
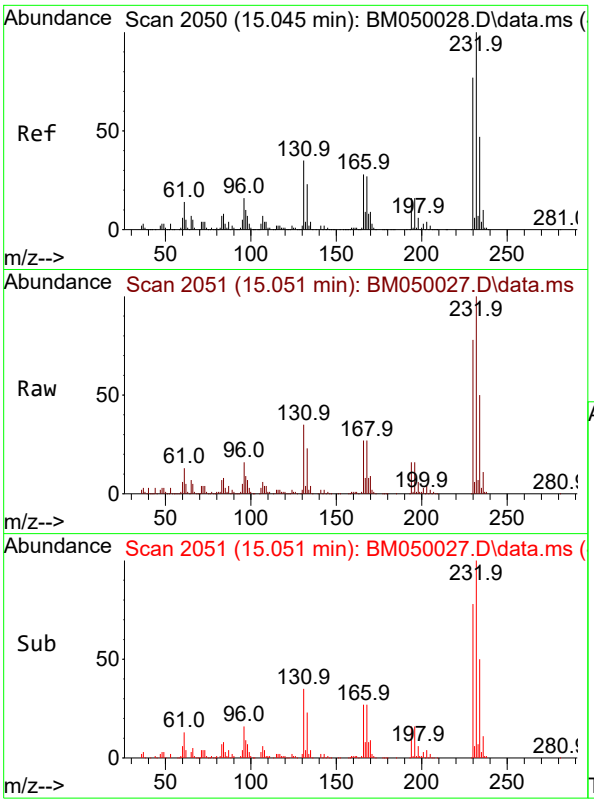


#58
Fluorene
Concen: 19.553 ng
RT: 15.457 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:166 Resp: 879470

Ion	Ratio	Lower	Upper
166	100		
165	97.0	76.6	115.0
167	13.7	10.6	16.0

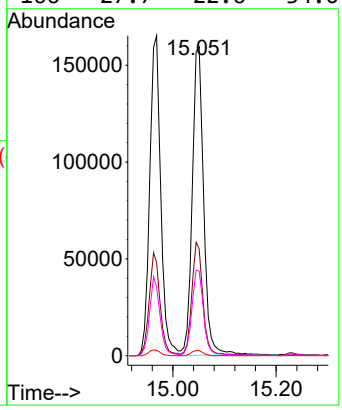




#59
2,3,4,6-Tetrachlorophenol
Concen: 19.442 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:232 Resp: 24492

Ion	Ratio	Lower	Upper
232	100		
131	35.9	28.2	42.4
130	1.7	1.5	2.3
166	27.7	22.6	34.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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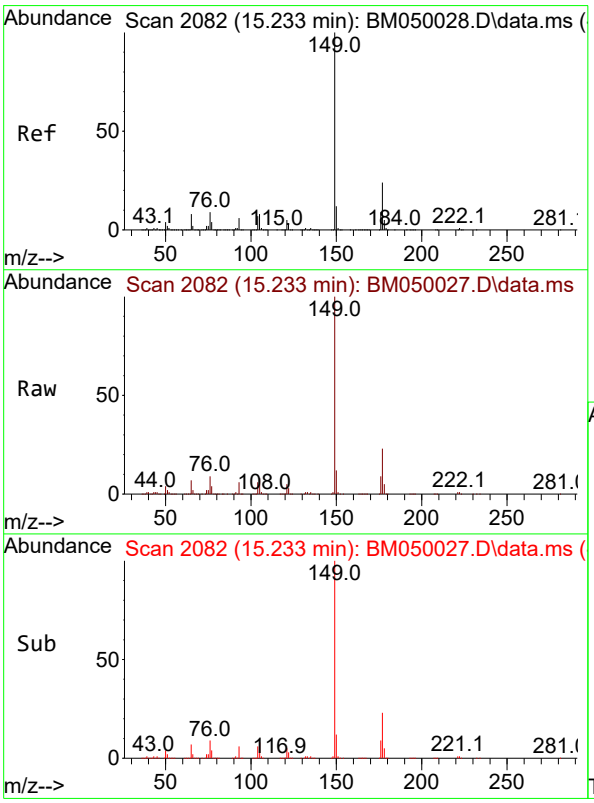
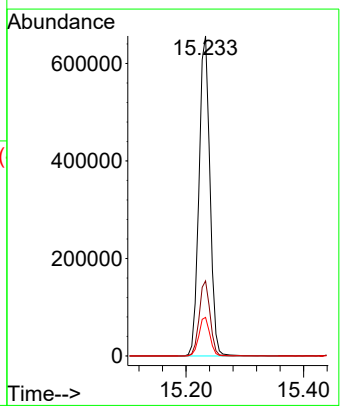
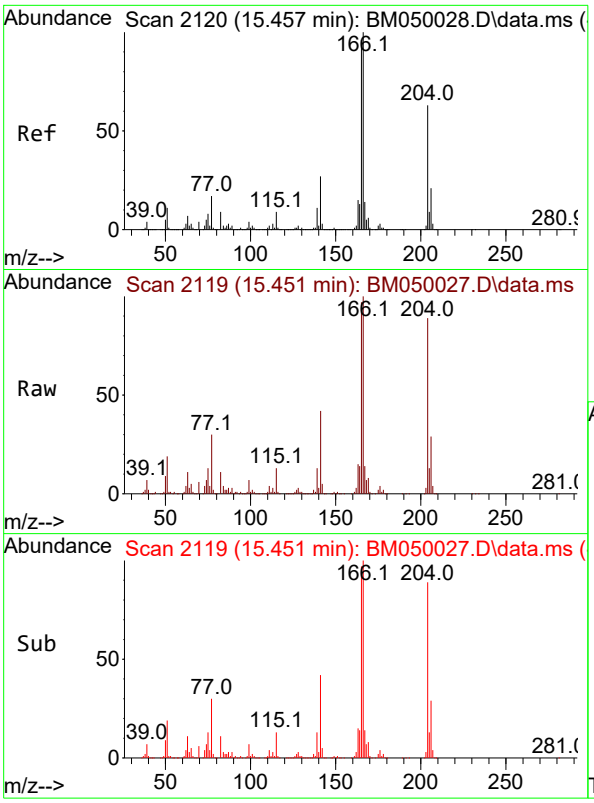


#60
Diethylphthalate
Concen: 20.034 ng
RT: 15.233 min Scan# 2082
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:149 Resp: 848021

Ion	Ratio	Lower	Upper
149	100		
177	23.5	19.1	28.7
150	12.1	9.6	14.4





#61
4-Chlorophenyl-phenylether
Concen: 19.157 ng
RT: 15.451 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 47327

Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.3	39.5
141	47.7	34.0	51.0

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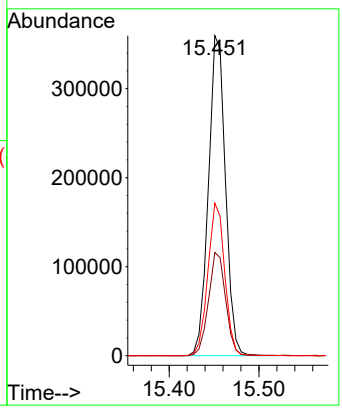
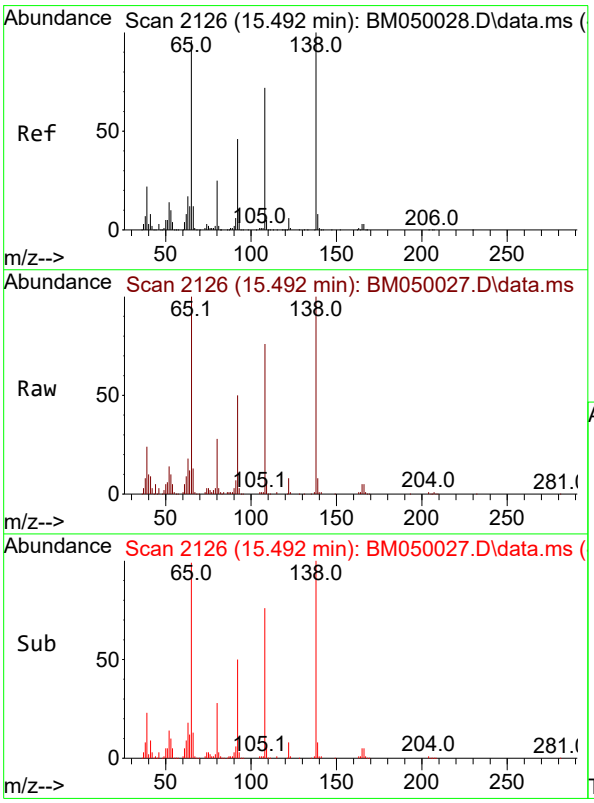
Supervised By :Jagrut Upadhyay 04/29/2025

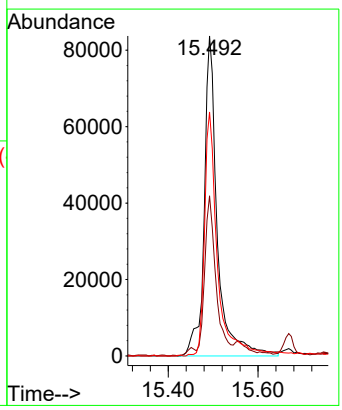


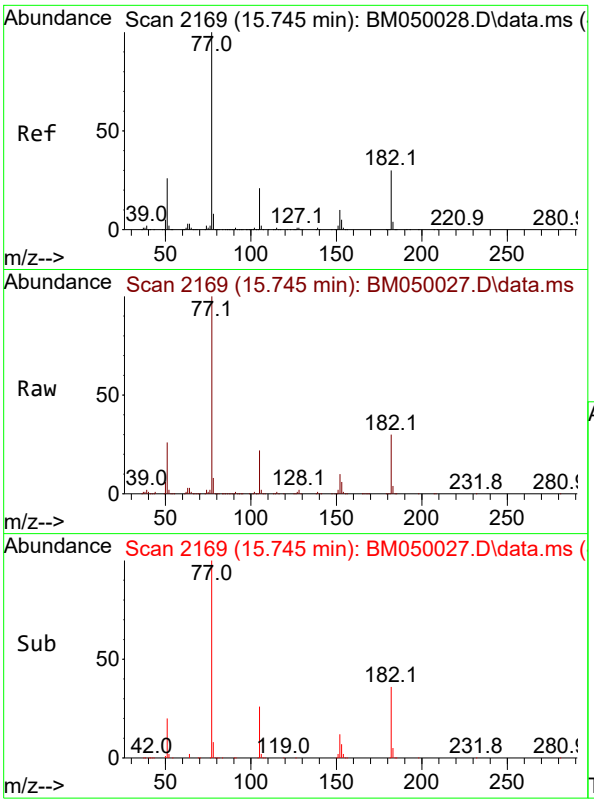


#62
4-Nitroaniline
Concen: 19.880 ng
RT: 15.492 min Scan# 2126
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:138 Resp: 170438

Ion	Ratio	Lower	Upper
138	100		
92	50.0	25.9	65.9
108	76.3	52.4	92.4

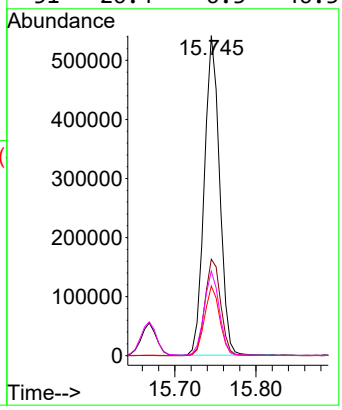




#63
Azobenzene
Concen: 19.930 ng
RT: 15.745 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 77 Resp: 70702

Ion	Ratio	Lower	Upper
77	100		
182	30.2	10.5	50.5
105	21.8	1.1	41.1
51	26.4	6.3	46.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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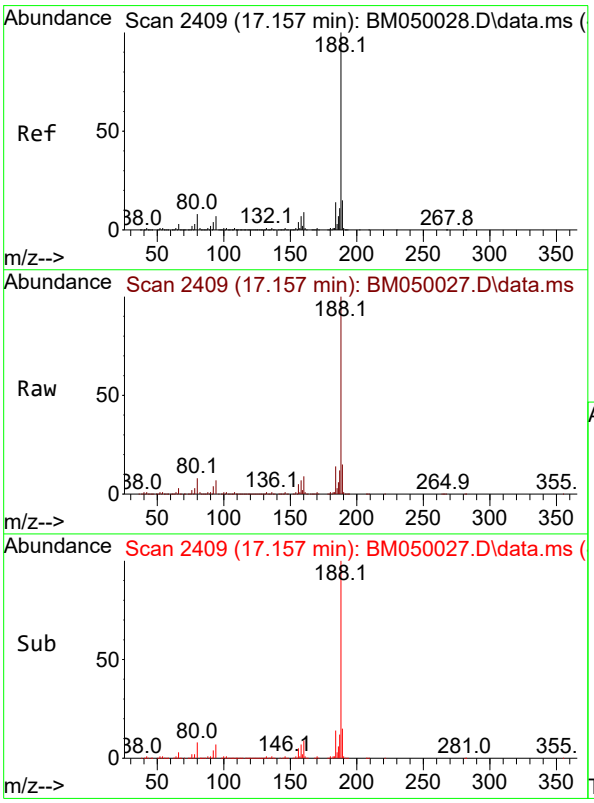
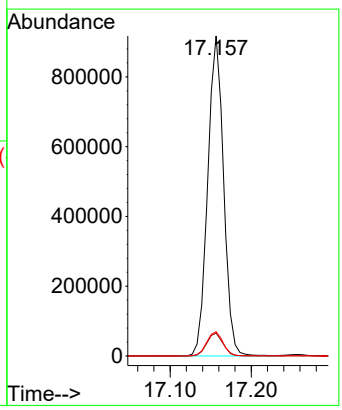
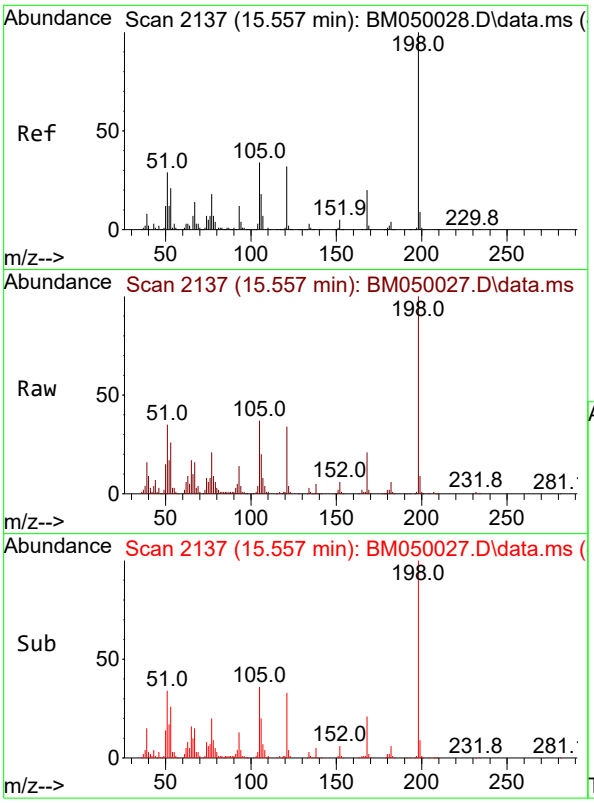


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:188 Resp: 1244440

Ion	Ratio	Lower	Upper
188	100		
94	7.1	5.7	8.5
80	7.6	6.2	9.4





#65
4,6-Dinitro-2-methylphenol
Concen: 17.576 ng
RT: 15.557 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:198 Resp: 13691

Ion	Ratio	Lower	Upper
198	100		
51	34.7	10.4	50.4
105	37.2	14.6	54.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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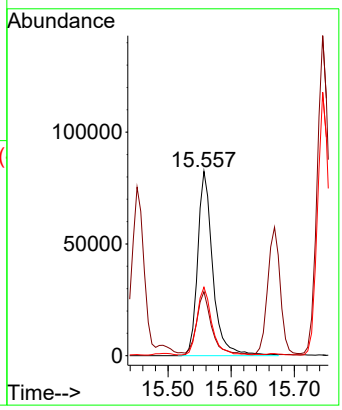
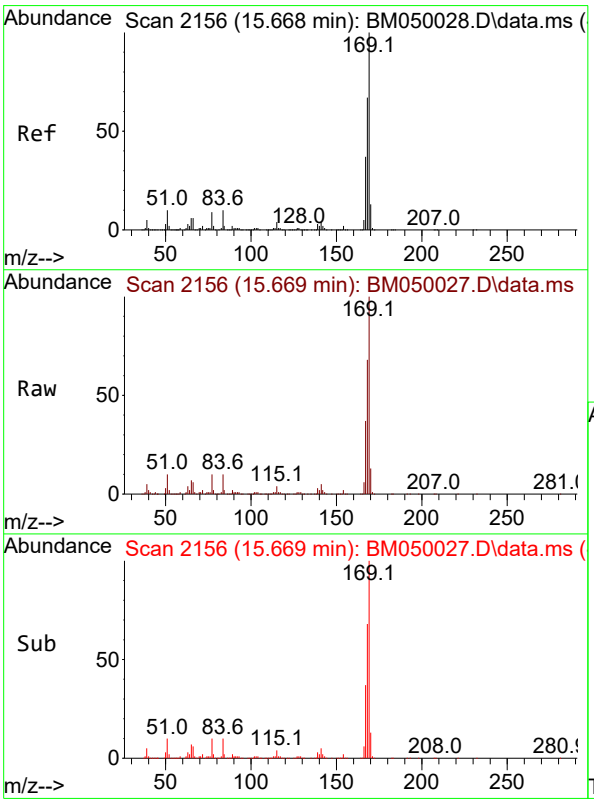
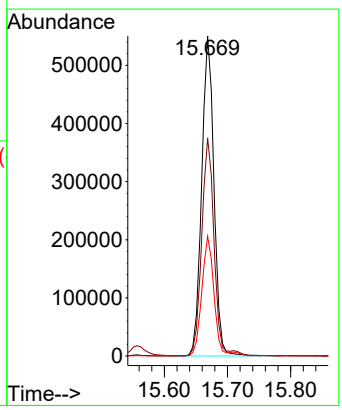


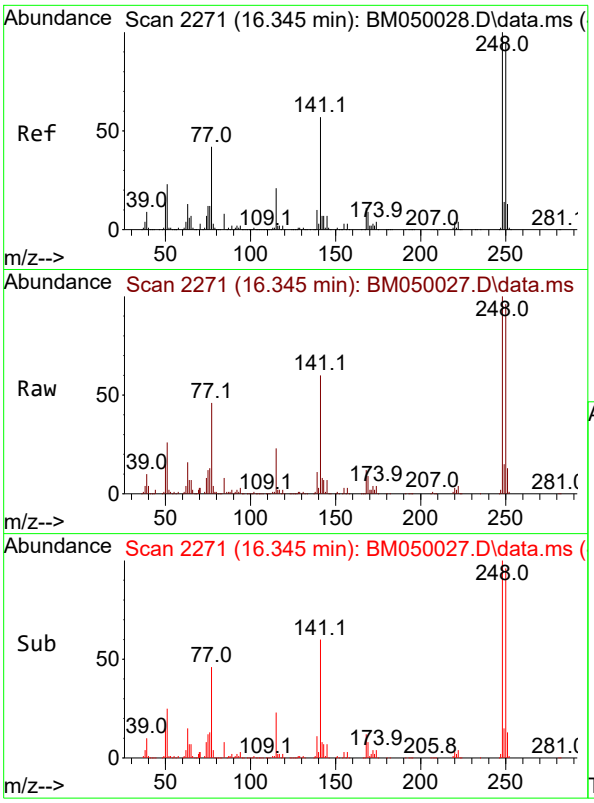


#66
n-Nitrosodiphenylamine
Concen: 19.415 ng
RT: 15.669 min Scan# 2156
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:169 Resp: 741920

Ion	Ratio	Lower	Upper
169	100		
168	68.2	53.4	80.2
167	37.4	29.4	44.0

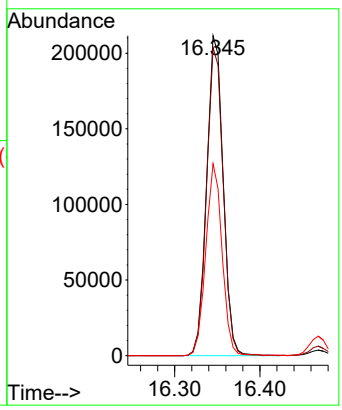




#67
4-Bromophenyl-phenylether
Concen: 18.962 ng
RT: 16.345 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:248 Resp: 28535

Ion	Ratio	Lower	Upper
248	100		
250	96.3	76.2	114.2
141	60.0	45.9	68.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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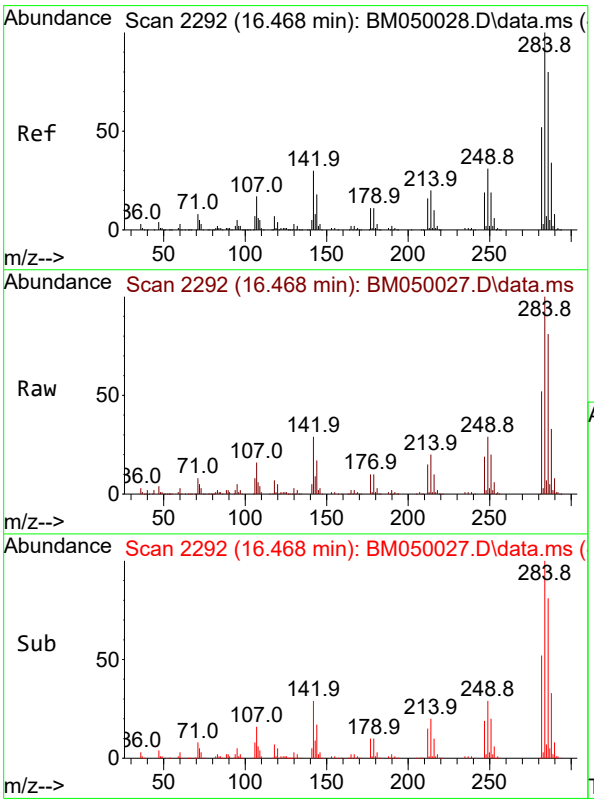
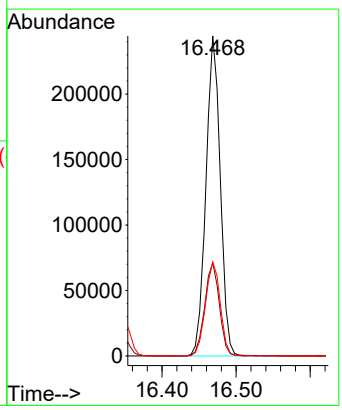
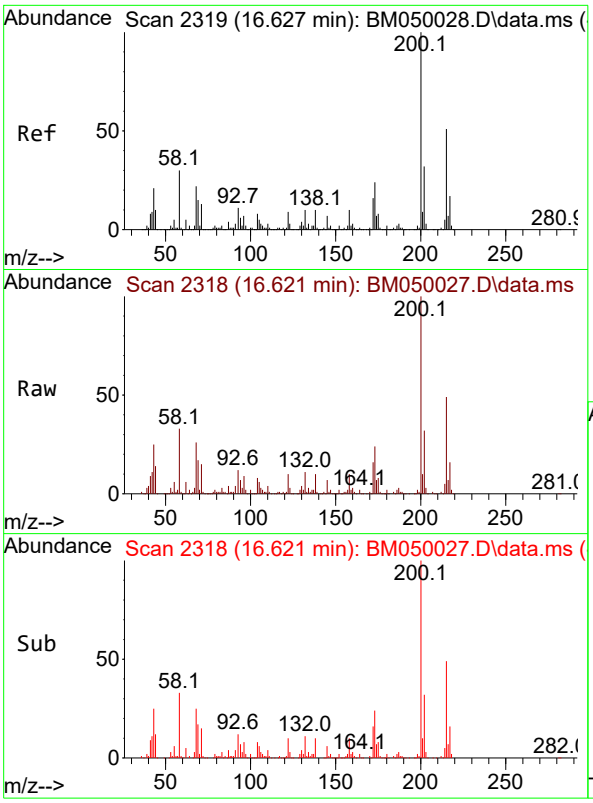


#68
Hexachlorobenzene
Concen: 18.903 ng
RT: 16.468 min Scan# 2292
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:284 Resp: 327912

Ion	Ratio	Lower	Upper
284	100		
142	29.1	23.9	35.9
249	29.3	24.5	36.7





#69
Atrazine
Concen: 19.303 ng
RT: 16.621 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:200 Resp: 26606

Ion	Ratio	Lower	Upper
200	100		
173	24.3	4.3	44.3
215	48.7	30.6	70.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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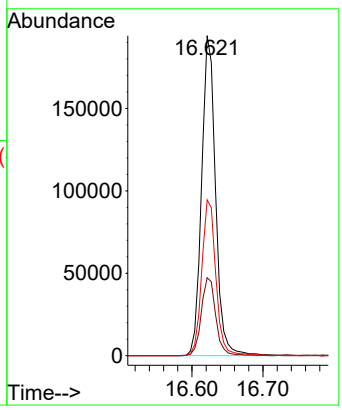
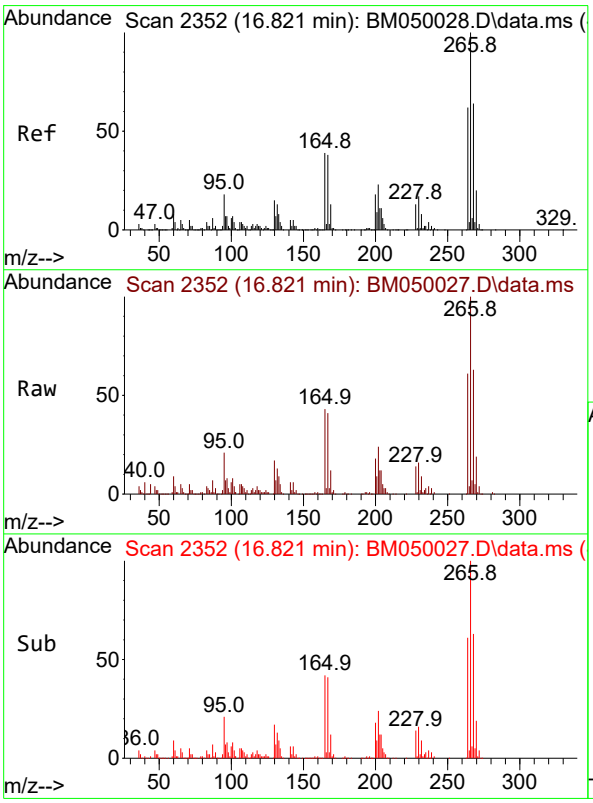
Supervised By :Jagrut Upadhyay 04/29/2025

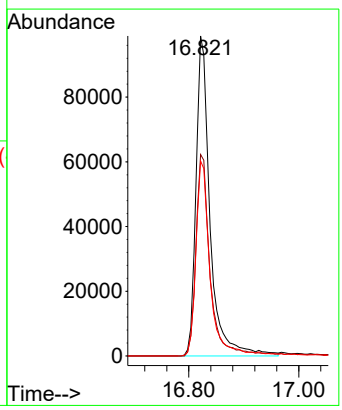


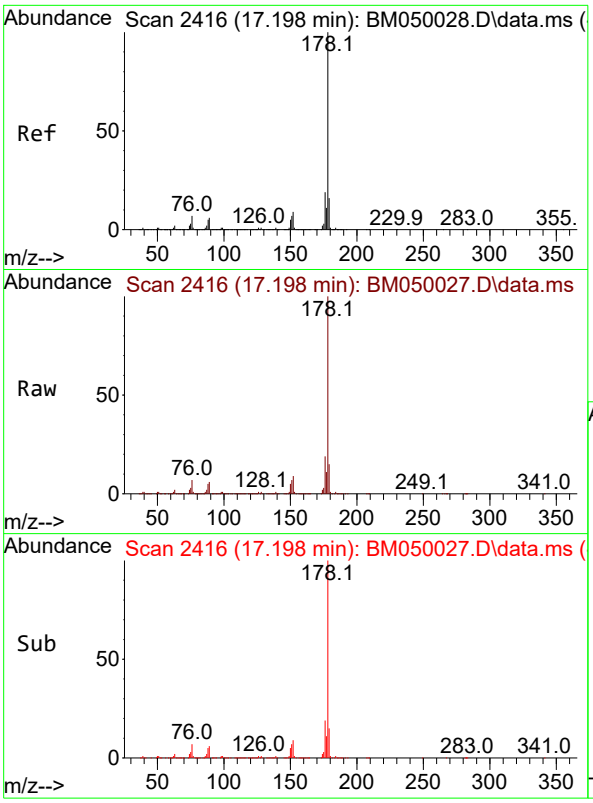


#70
Pentachlorophenol
Concen: 18.004 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:266 Resp: 175794

Ion	Ratio	Lower	Upper
266	100		
268	63.0	51.2	76.8
264	60.9	49.6	74.4

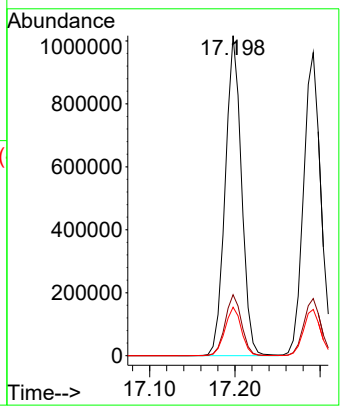




#71
Phenanthrene
Concen: 19.208 ng
RT: 17.198 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:178 Resp: 134819

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.1	12.4	18.6



Instrument :
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ClientSampleId :
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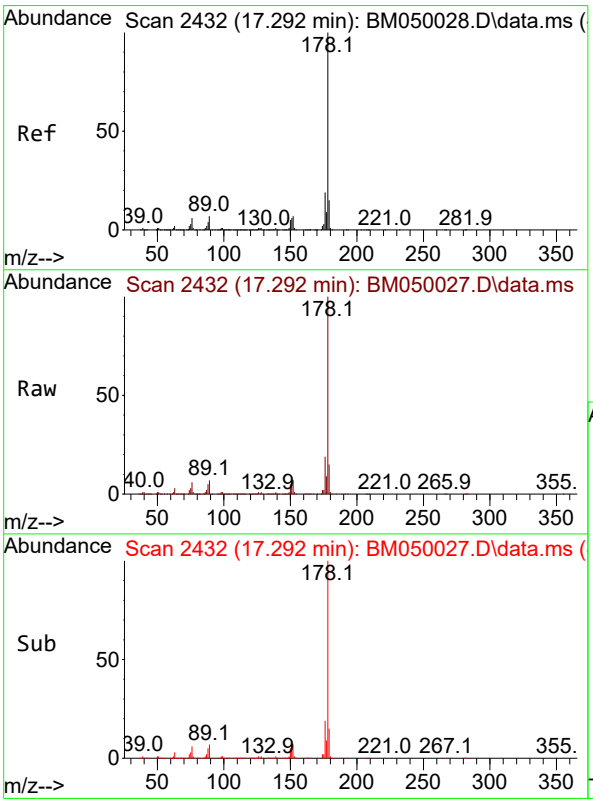
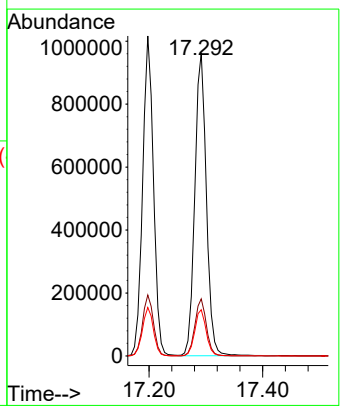
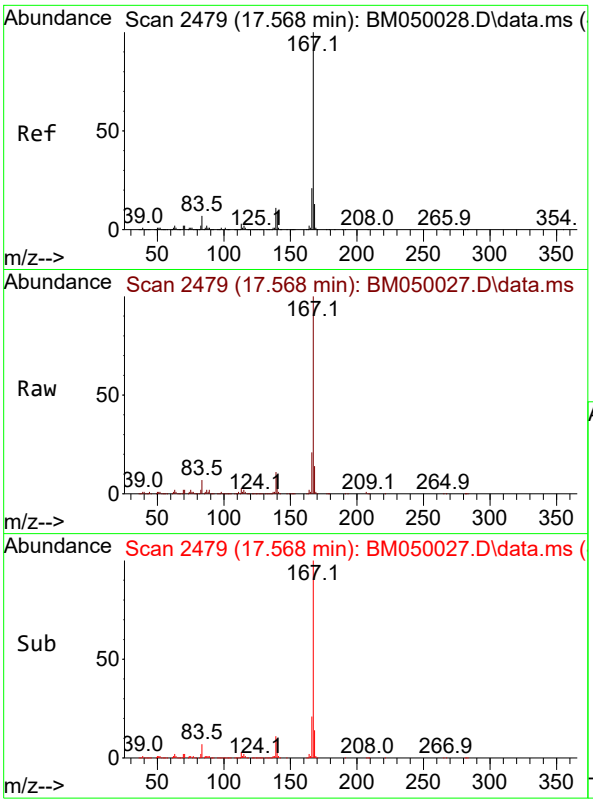


#72
Anthracene
Concen: 19.210 ng
RT: 17.292 min Scan# 2432
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:178 Resp: 1364462

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.3	12.2	18.4

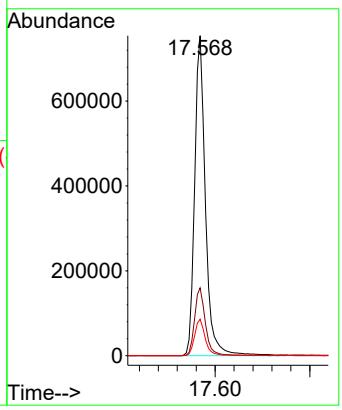




#73
Carbazole
Concen: 19.377 ng
RT: 17.568 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:167 Resp: 119431

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.2	25.8
139	11.4	9.0	13.6



Instrument :
BNA_M
ClientSampleId :
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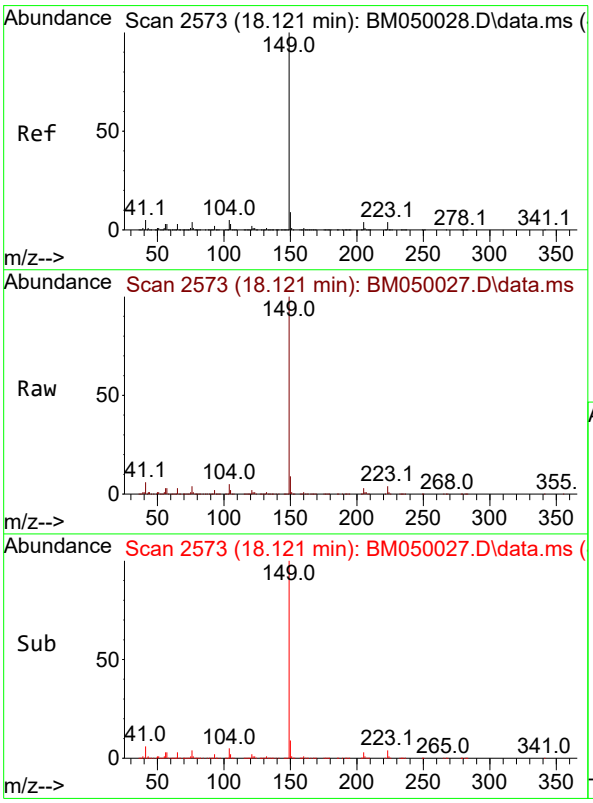
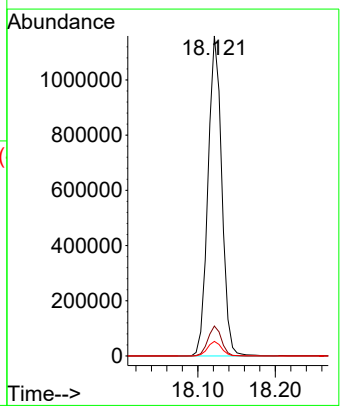
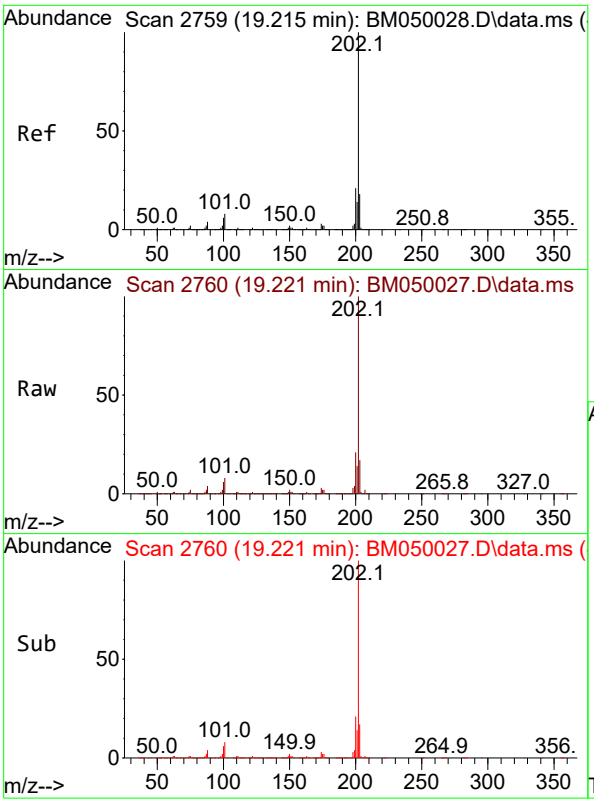


#74
Di-n-butylphthalate
Concen: 19.519 ng
RT: 18.121 min Scan# 2573
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:149 Resp: 1432688

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.3	10.9
104	4.6	3.8	5.6

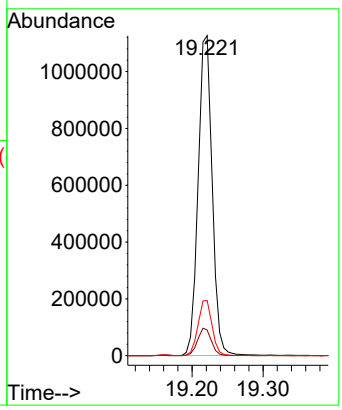




#75
Fluoranthene
Concen: 18.872 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:202 Resp: 155516

Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	28.0
203	17.2	0.0	37.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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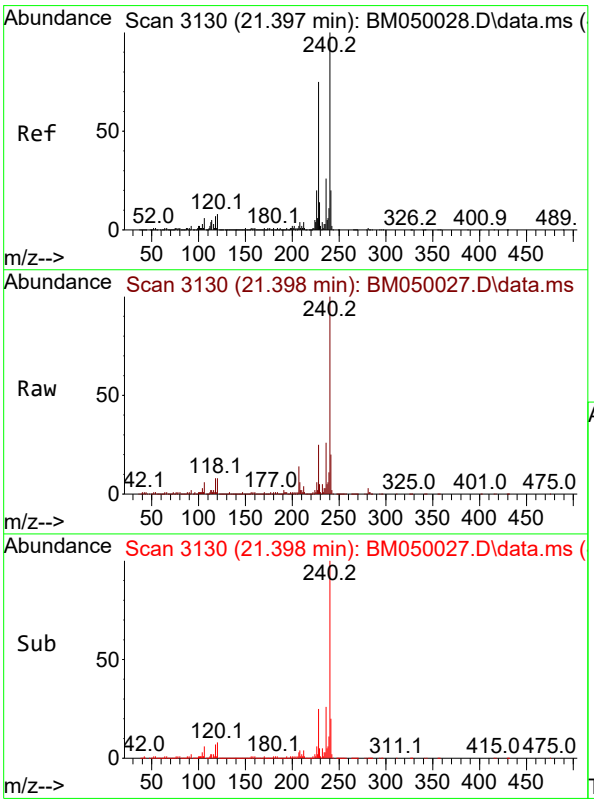
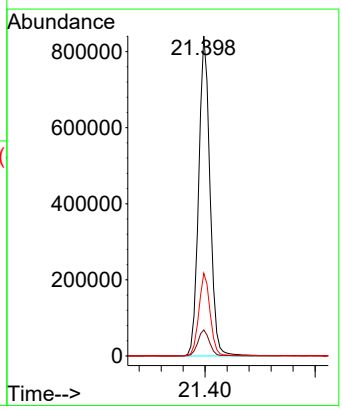
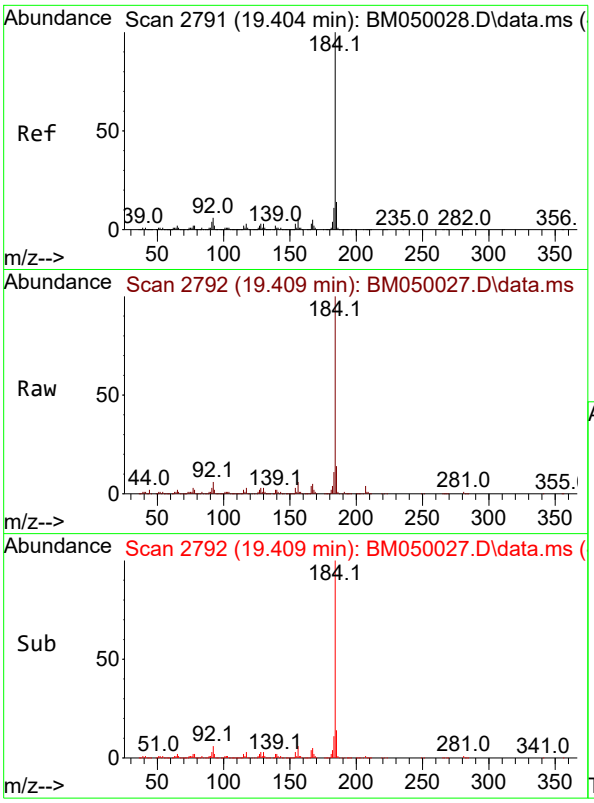


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 3130
Delta R.T. 0.001 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:240 Resp: 1204355

Ion	Ratio	Lower	Upper
240	100		
120	8.2	6.5	9.7
236	25.9	20.9	31.3

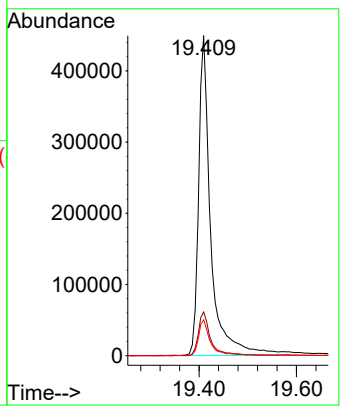




#77
Benzidine
Concen: 18.175 ng
RT: 19.409 min Scan# 2
Delta R.T. 0.005 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:184 Resp: 77750

Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.5	17.3
183	11.2	8.9	13.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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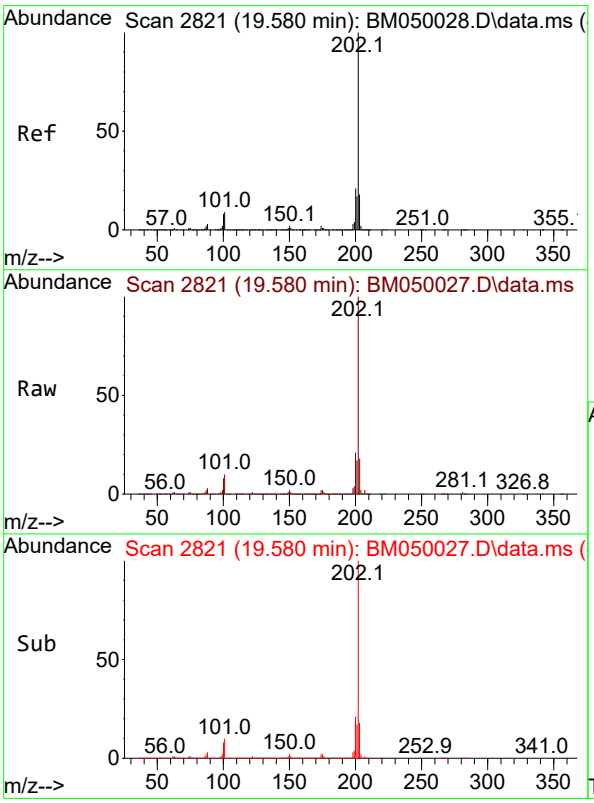
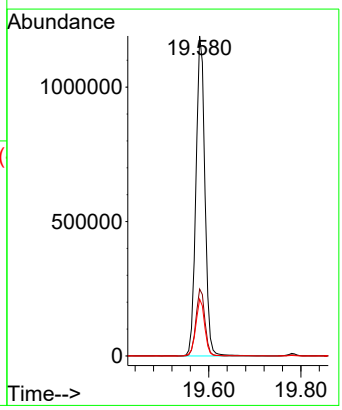
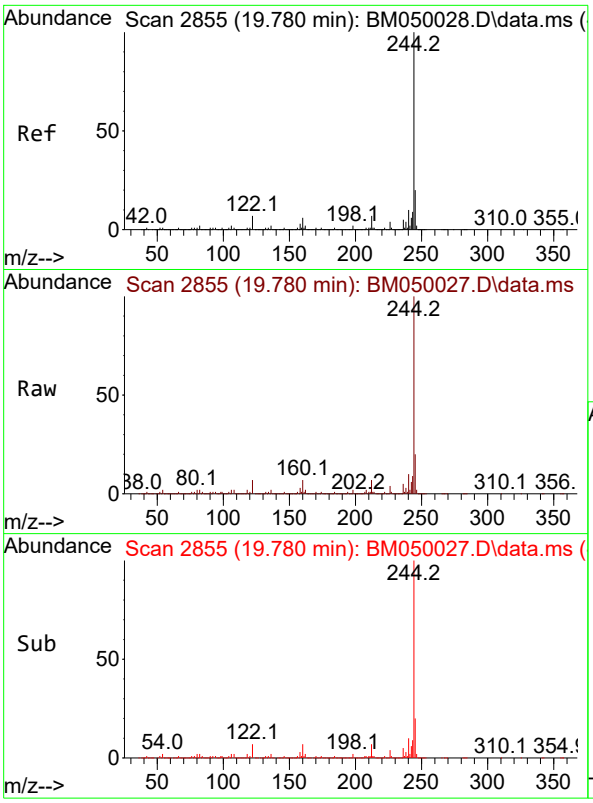


#78
Pyrene
Concen: 18.964 ng
RT: 19.580 min Scan# 2821
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:202 Resp: 1603874

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.8	14.1	21.1

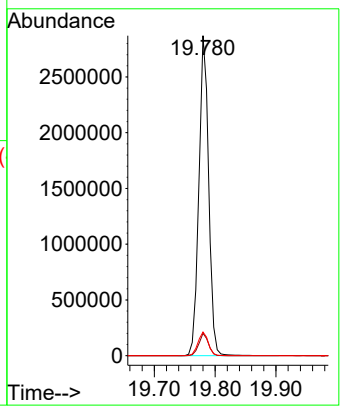




#79
Terphenyl-d14
Concen: 39.418 ng
RT: 19.780 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:244 Resp: 320824

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	7.4	5.6	8.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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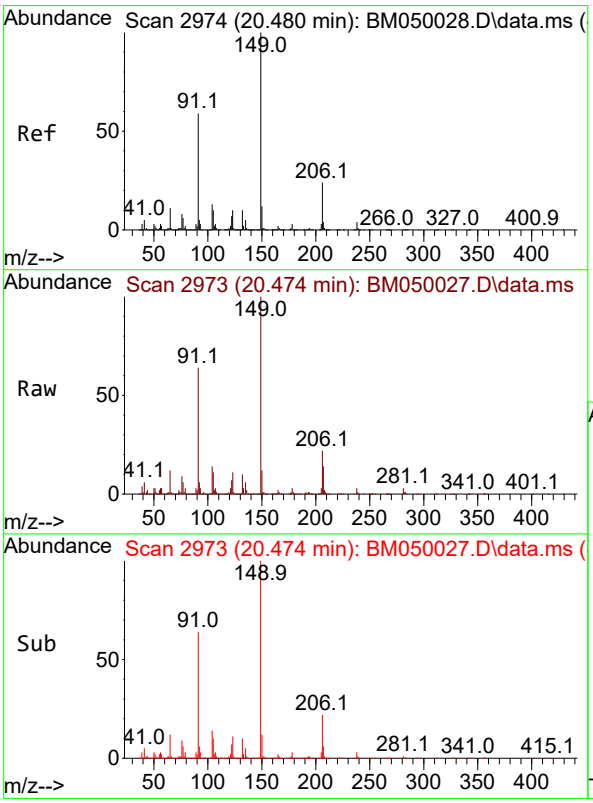
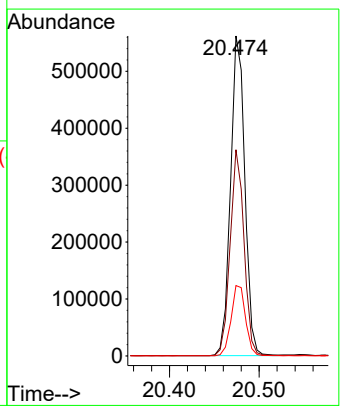
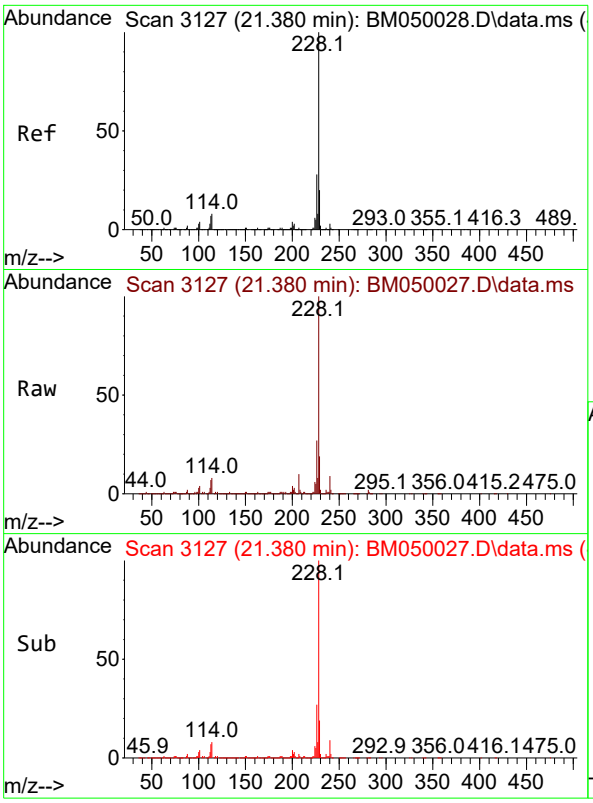


#80
Butylbenzylphthalate
Concen: 19.597 ng
RT: 20.474 min Scan# 2973
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:149 Resp: 620751

Ion	Ratio	Lower	Upper
149	100		
91	64.4	47.4	71.2
206	22.0	19.4	29.0





#81
Benzo(a)anthracene
Concen: 19.187 ng
RT: 21.380 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 159129

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.1	33.1
229	19.4	15.7	23.5

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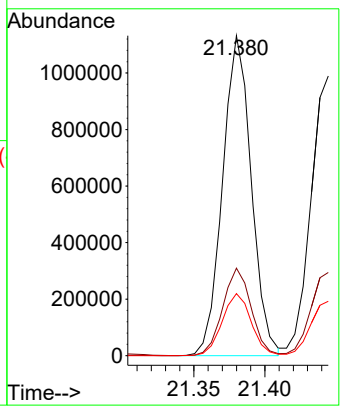
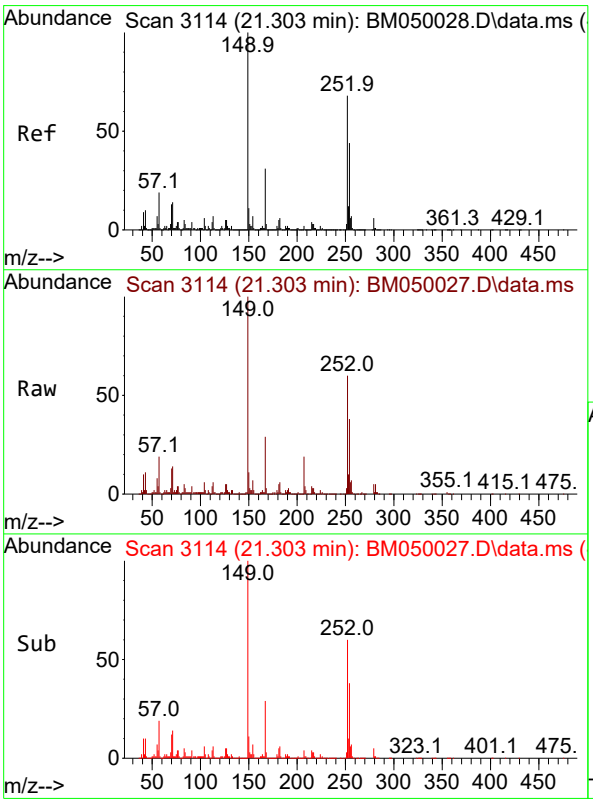
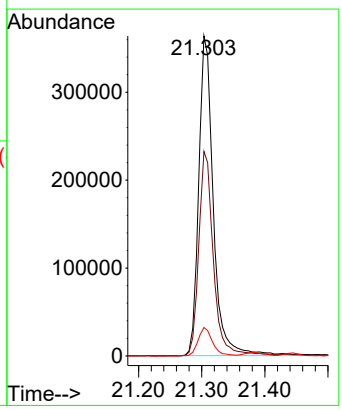


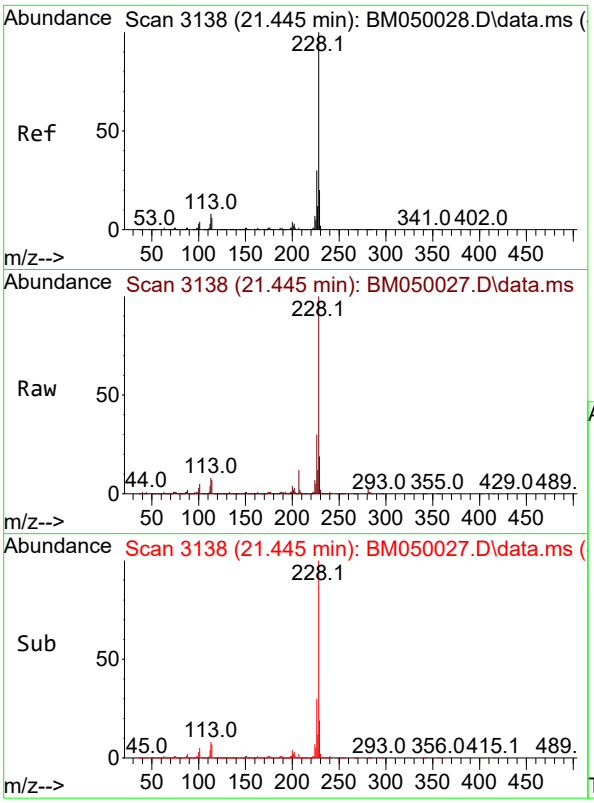


#82
3,3'-Dichlorobenzidine
Concen: 18.333 ng
RT: 21.303 min Scan# 3114
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:252 Resp: 582038

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.8	77.6
126	8.9	6.0	9.0





#83
Chrysene
Concen: 19.044 ng
RT: 21.445 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 146177

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.2	36.2
229	19.5	15.7	23.5

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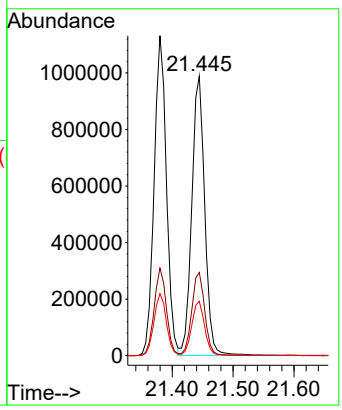
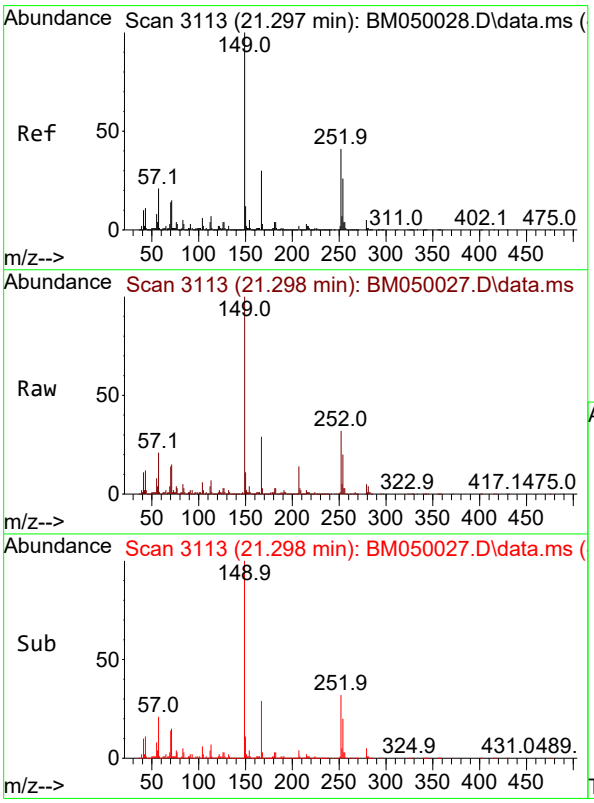
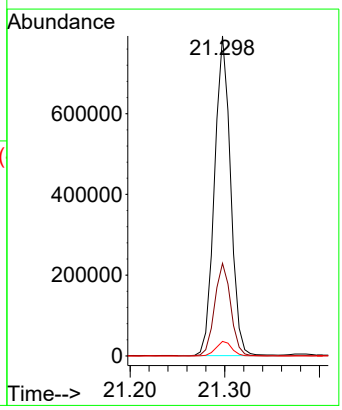


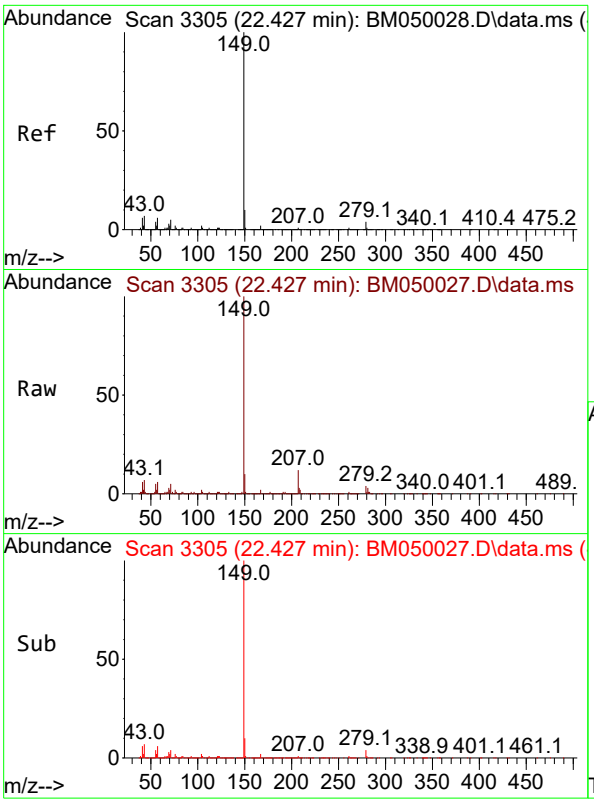


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.730 ng
RT: 21.298 min Scan# 3113
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:149 Resp: 933505

Ion	Ratio	Lower	Upper
149	100		
167	29.0	24.1	36.1
279	4.6	3.9	5.9

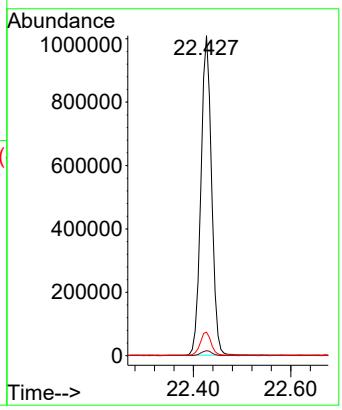




#85
Di-n-octyl phthalate
Concen: 19.552 ng
RT: 22.427 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:149 Resp: 152559

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.4	5.8	8.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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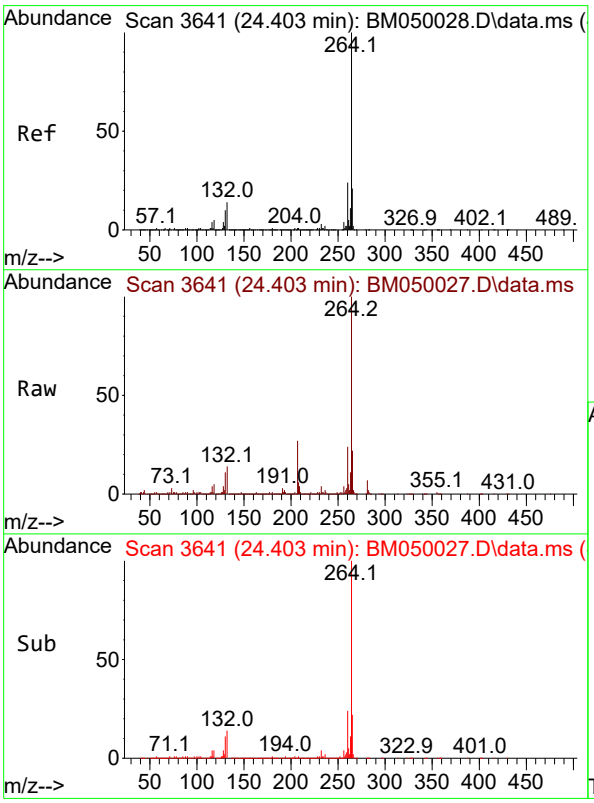
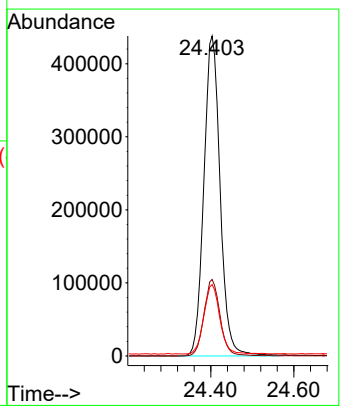
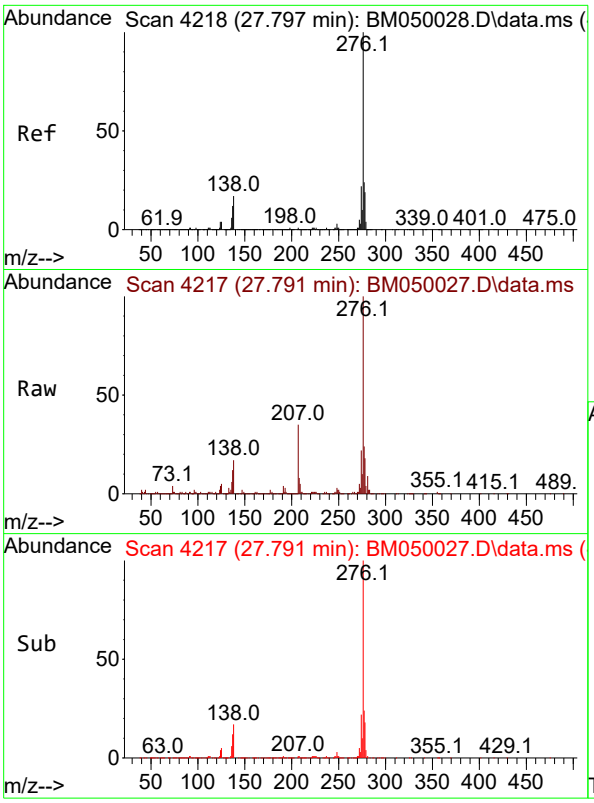


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:264 Resp: 1191041

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.8	28.2
265	22.3	17.0	25.4

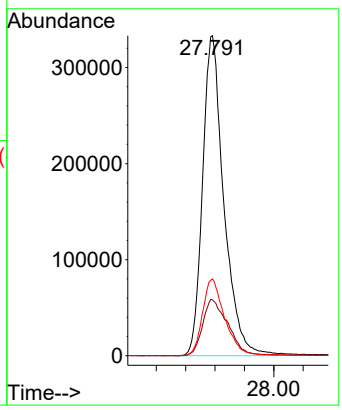




#87
Indeno(1,2,3-cd)pyrene
Concen: 18.840 ng
RT: 27.791 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:276 Resp: 167196

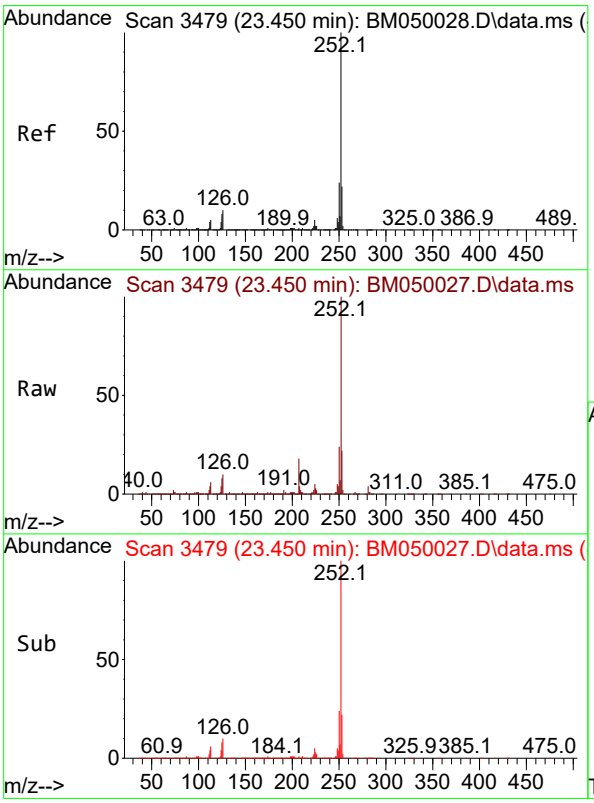
Ion	Ratio	Lower	Upper
276	100		
138	20.9	16.4	24.6
277	25.0	19.8	29.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

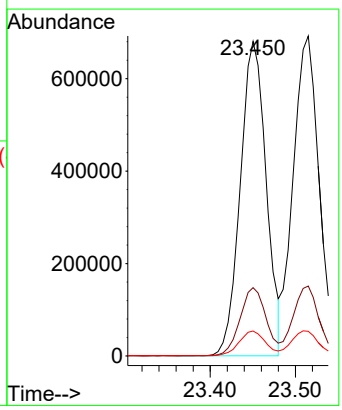
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

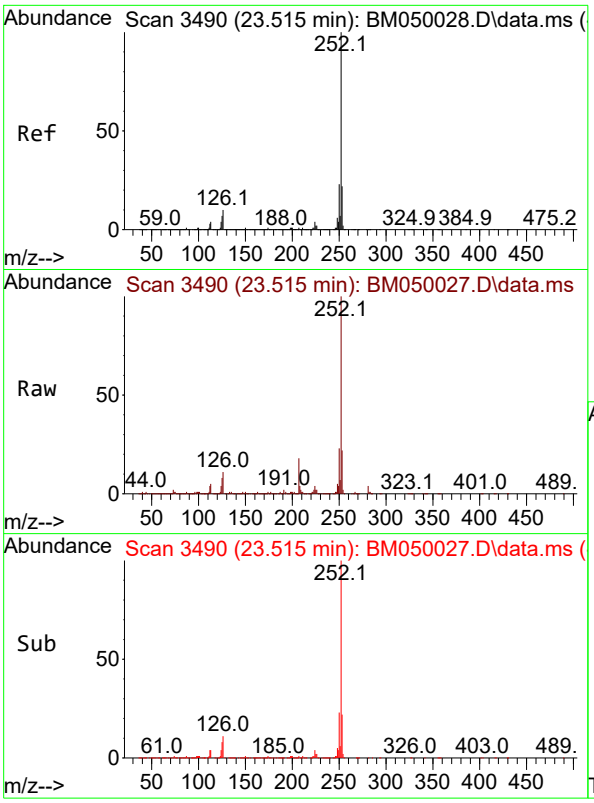


#88
Benzo(b)fluoranthene
Concen: 18.588 ng
RT: 23.450 min Scan# 3479
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:252 Resp: 1439776

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	7.9	6.1	9.1

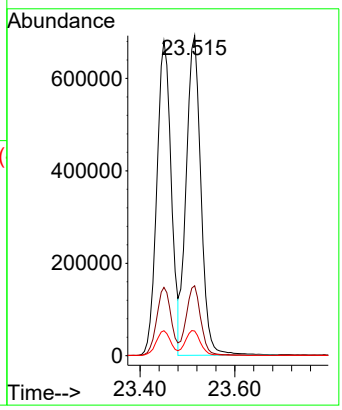




#89
Benzo(k)fluoranthene
Concen: 19.005 ng
RT: 23.515 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:252 Resp: 148941

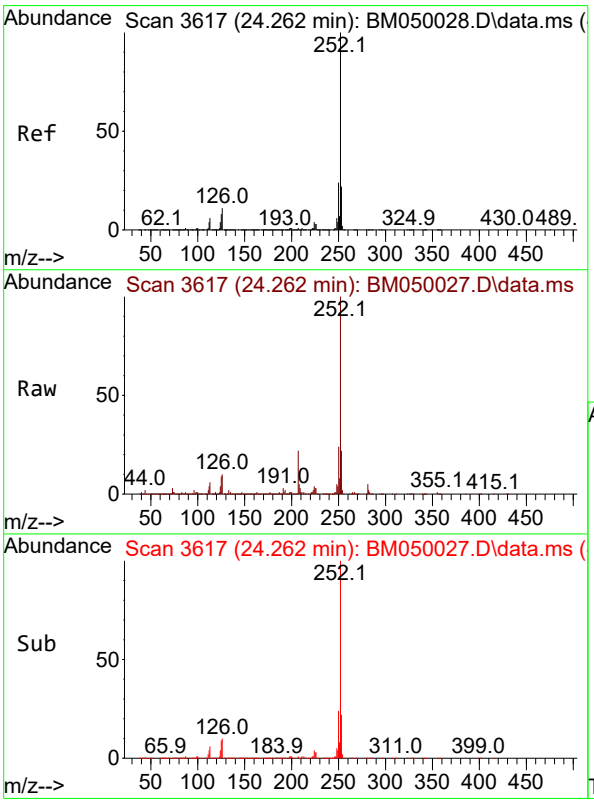
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	7.7	5.8	8.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

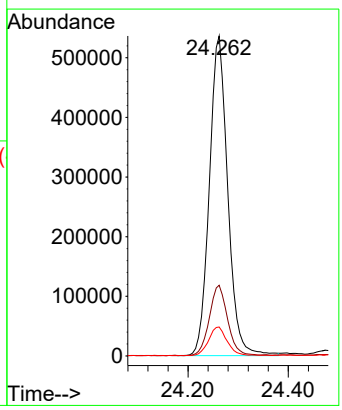
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

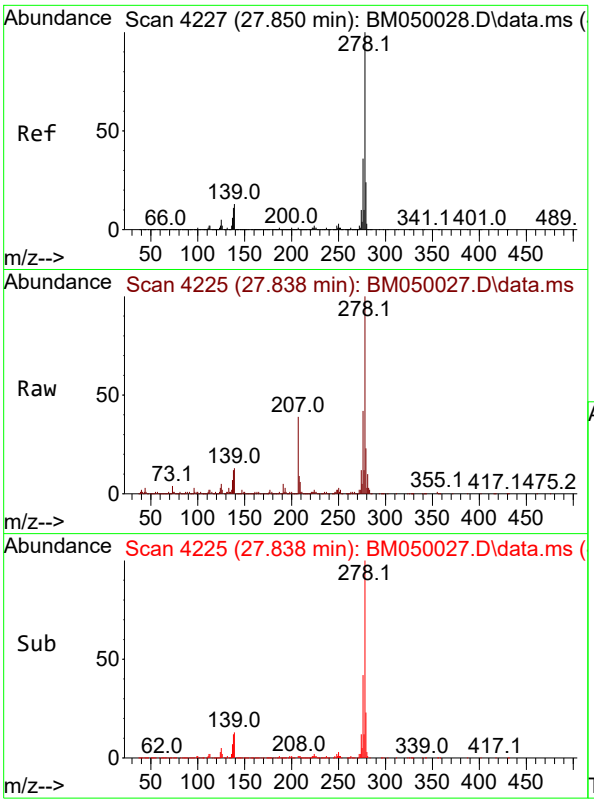


#90
Benzo(a)pyrene
Concen: 18.825 ng
RT: 24.262 min Scan# 3617
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:252 Resp: 1365706

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	9.0	6.6	9.8

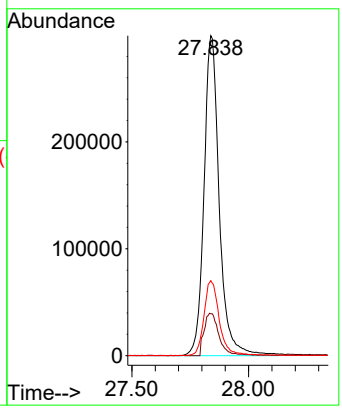




#91
Dibenzo(a,h)anthracene
Concen: 18.803 ng
RT: 27.838 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:278 Resp: 136026

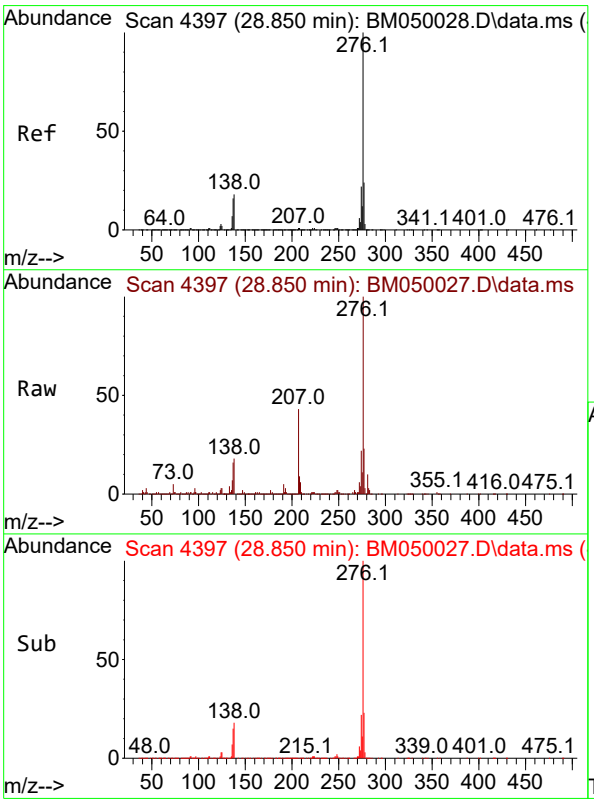
Ion	Ratio	Lower	Upper
278	100		
139	13.1	10.5	15.7
279	23.4	19.4	29.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

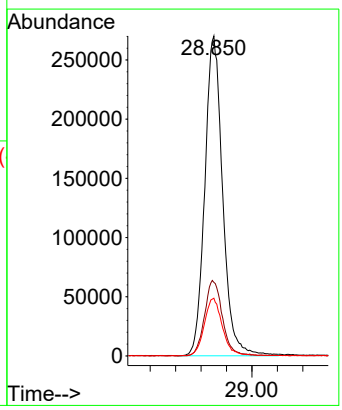
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#92
Benzo(g,h,i)perylene
Concen: 19.008 ng
RT: 28.850 min Scan# 4397
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:276 Resp: 1316513

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.1	28.7
138	18.1	14.3	21.5



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050028.D
Acq On : 28 Apr 2025 15:06
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Apr 28 17:56:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	241109	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	890488	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	591599	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1163791	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1114654	20.000	ng	0.00
86) Perylene-d12	24.403	264	1072526	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1165032	84.611	ng	0.00
7) Phenol-d6	6.951	99	1487856	85.973	ng	0.00
23) Nitrobenzene-d5	8.928	82	1547270	85.620	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	751927	85.958	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	4275240	85.489	ng	0.00
79) Terphenyl-d14	19.780	244	6797031	90.233	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.252	88	246624	41.774	ng	100
3) Pyridine	3.657	79	641890	42.316	ng	100
4) n-Nitrosodimethylamine	3.563	42	251749	42.316	ng	100
6) Aniline	7.098	93	936673	42.862	ng	100
8) 2-Chlorophenol	7.340	128	632836	42.508	ng	100
9) Benzaldehyde	6.910	77	497166	42.981	ng	100
10) Phenol	6.981	94	742305	42.370	ng	100
11) bis(2-Chloroethyl)ether	7.193	93	616851	42.166	ng	100
12) 1,3-Dichlorobenzene	7.657	146	754937	41.979	ng	100
13) 1,4-Dichlorobenzene	7.804	146	752959	41.677	ng	100
14) 1,2-Dichlorobenzene	8.122	146	733848	42.050	ng	100
15) Benzyl Alcohol	8.016	79	521025	43.413	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.292	45	748400	42.085	ng	100
17) 2-Methylphenol	8.222	107	498005	43.149	ng	100
18) Hexachloroethane	8.845	117	268328	41.780	ng	100
19) n-Nitroso-di-n-propyla...	8.575	70	483699	43.579	ng	100
20) 3+4-Methylphenols	8.557	107	671942	43.111	ng	100
22) Acetophenone	8.592	105	946106	42.735	ng	100
24) Nitrobenzene	8.969	77	666034	42.625	ng	100
25) Isophorone	9.498	82	1298577	42.156	ng	100
26) 2-Nitrophenol	9.681	139	349855	43.827	ng	100
27) 2,4-Dimethylphenol	9.751	122	576549	43.552	ng	100
28) bis(2-Chloroethoxy)met...	9.975	93	809528	42.518	ng	100
29) 2,4-Dichlorophenol	10.228	162	644546	43.461	ng	100
30) 1,2,4-Trichlorobenzene	10.428	180	759987	42.060	ng	100
31) Naphthalene	10.610	128	1898588	42.100	ng	100
32) Benzoic acid	9.910	122	351345	41.613	ng	100
33) 4-Chloroaniline	10.728	127	784625	42.448	ng	100
34) Hexachlorobutadiene	10.898	225	481510	41.981	ng	100
35) Caprolactam	11.522	113	185984	43.010	ng	100
36) 4-Chloro-3-methylphenol	11.869	107	579492	42.293	ng	100
37) 2-Methylnaphthalene	12.227	142	1269061	41.973	ng	100
38) 1-Methylnaphthalene	12.445	142	1341577	41.928	ng	100
40) 1,2,4,5-Tetrachloroben...	12.598	216	878448	42.894	ng	100
41) Hexachlorocyclopentadiene	12.580	237	538788	43.050	ng	100
43) 2,4,6-Trichlorophenol	12.851	196	563324	43.368	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050028.D
Acq On : 28 Apr 2025 15:06
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Apr 28 17:56:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	612194	43.706	ng	100
46) 1,1'-Biphenyl	13.245	154	1860581	42.309	ng	100
47) 2-Chloronaphthalene	13.286	162	1479560	42.480	ng	100
48) 2-Nitroaniline	13.498	65	357098	43.684	ng	100
49) Acenaphthylene	14.133	152	2332675	42.478	ng	100
50) Dimethylphthalate	13.869	163	1812335	41.918	ng	100
51) 2,6-Dinitrotoluene	13.992	165	386623	43.191	ng	100
52) Acenaphthene	14.474	154	1340946	42.186	ng	100
53) 3-Nitroaniline	14.327	138	379359	44.389	ng	100
54) 2,4-Dinitrophenol	14.545	184	210115	39.788	ng	100
55) Dibenzofuran	14.810	168	2219206	41.961	ng	100
56) 4-Nitrophenol	14.669	139	264964	40.483	ng	100
57) 2,4-Dinitrotoluene	14.786	165	539867	43.646	ng	100
58) Fluorene	15.463	166	1843261	42.580	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.045	232	514644	42.446	ng	100
60) Diethylphthalate	15.233	149	1696013	41.631	ng	100
61) 4-Chlorophenyl-phenyle...	15.457	204	1014134	42.652	ng	100
62) 4-Nitroaniline	15.492	138	370884	44.949	ng	100
63) Azobenzene	15.745	77	1439085	42.150	ng	100
65) 4,6-Dinitro-2-methylph...	15.557	198	315113	43.256	ng	100
66) n-Nitrosodiphenylamine	15.668	169	1525193	42.678	ng	100
67) 4-Bromophenyl-phenylether	16.345	248	600373	42.660	ng	100
68) Hexachlorobenzene	16.468	284	683325	42.122	ng	100
69) Atrazine	16.627	200	550018	42.668	ng	100
70) Pentachlorophenol	16.821	266	387613	42.448	ng	100
71) Phenanthrene	17.198	178	2762249	42.082	ng	100
72) Anthracene	17.292	178	2824805	42.525	ng	100
73) Carbazole	17.568	167	2452474	42.547	ng	100
74) Di-n-butylphthalate	18.121	149	2899479	42.239	ng	100
75) Fluoranthene	19.215	202	3282789	42.598	ng	100
77) Benzidine	19.404	184	1720168	43.446	ng	100
78) Pyrene	19.580	202	3383053	43.220	ng	100
80) Butylbenzylphthalate	20.480	149	1251950	42.704	ng	100
81) Benzo(a)anthracene	21.380	228	3295625	42.935	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	1292611	43.991	ng	100
83) Chrysene	21.445	228	2992790	42.127	ng	100
84) Bis(2-ethylhexyl)phtha...	21.297	149	1878368	42.895	ng	100
85) Di-n-octyl phthalate	22.427	149	3044578	42.160	ng	100
87) Indeno(1,2,3-cd)pyrene	27.797	276	3435665	42.991	ng	100
88) Benzo(b)fluoranthene	23.450	252	3016197	43.243	ng	100
89) Benzo(k)fluoranthene	23.515	252	2974903	42.155	ng	100
90) Benzo(a)pyrene	24.262	252	2777683	42.519	ng	100
91) Dibenzo(a,h)anthracene	27.850	278	2787948	42.796	ng	100
92) Benzo(g,h,i)perylene	28.850	276	2651145	42.508	ng	100

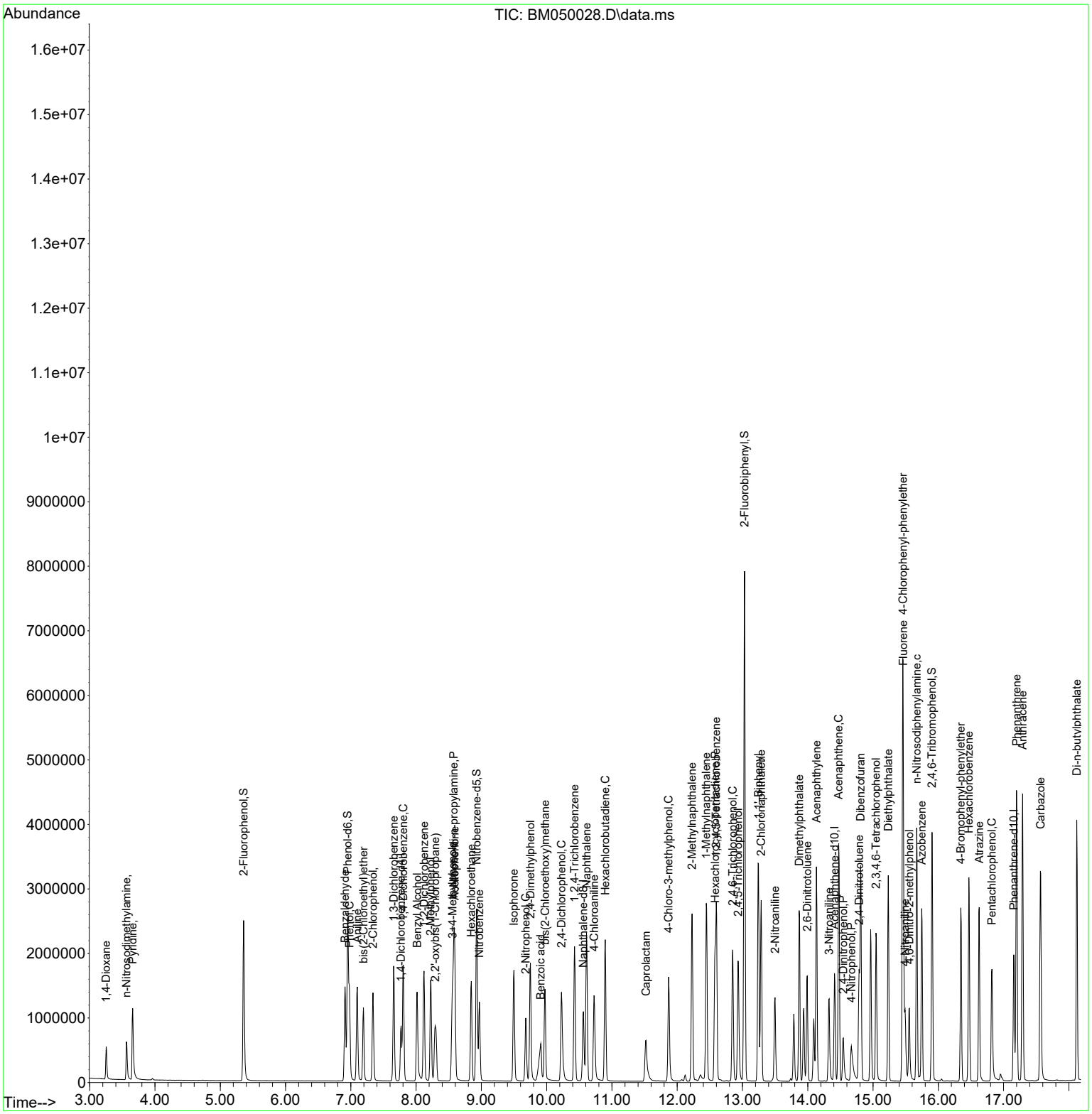
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050028.D
Acq On : 28 Apr 2025 15:06
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Apr 28 17:56:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

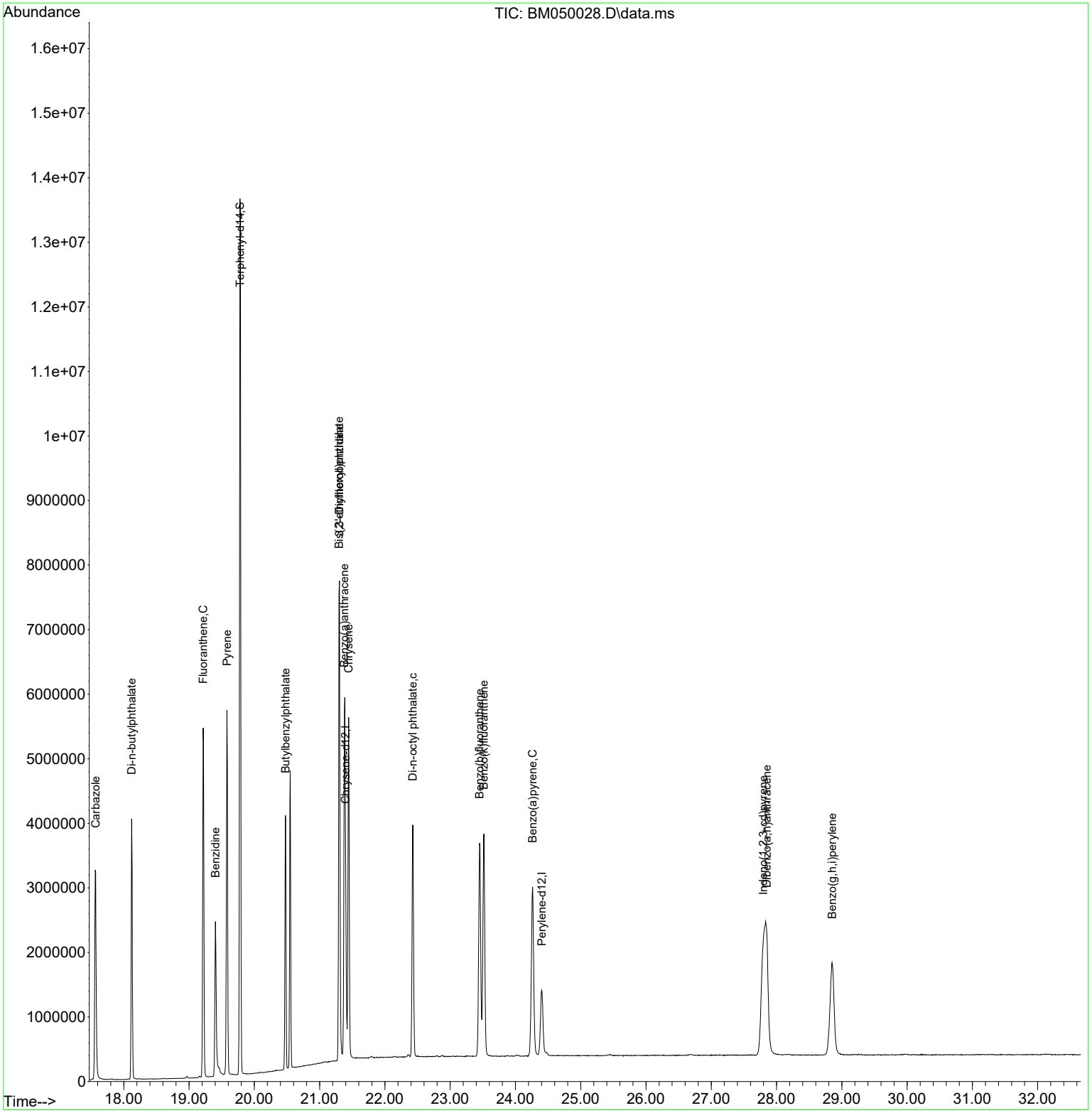


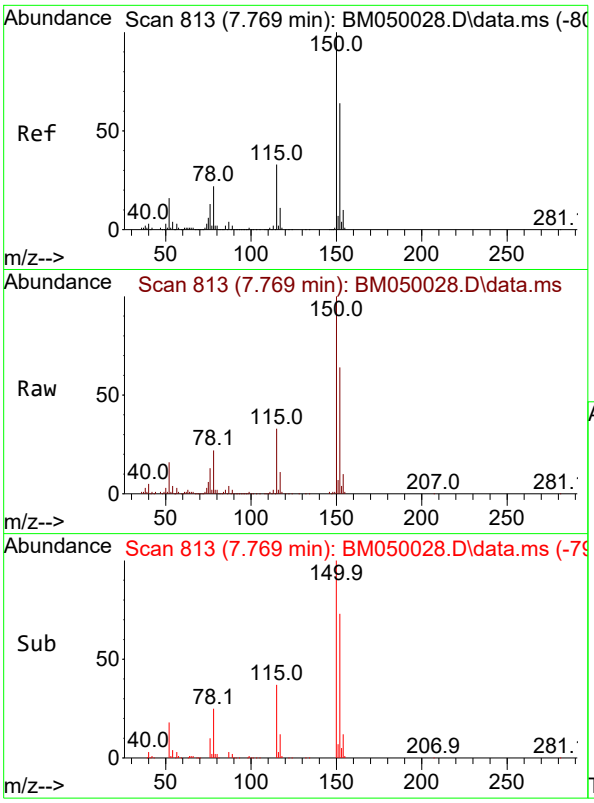
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050028.D
Acq On : 28 Apr 2025 15:06
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Apr 28 17:56:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



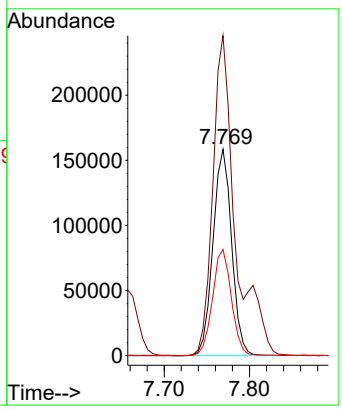


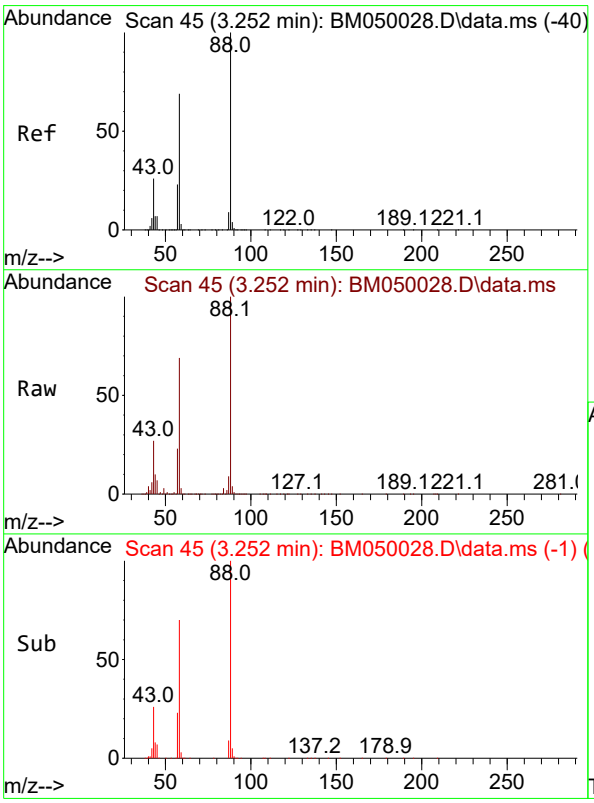
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 241109

Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.1	186.1
115	51.5	41.2	61.8

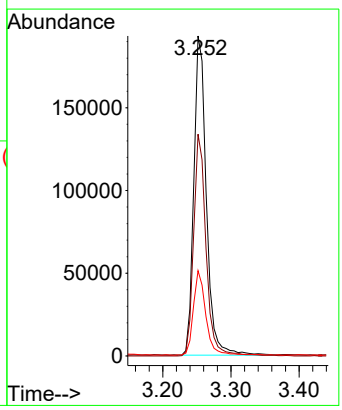


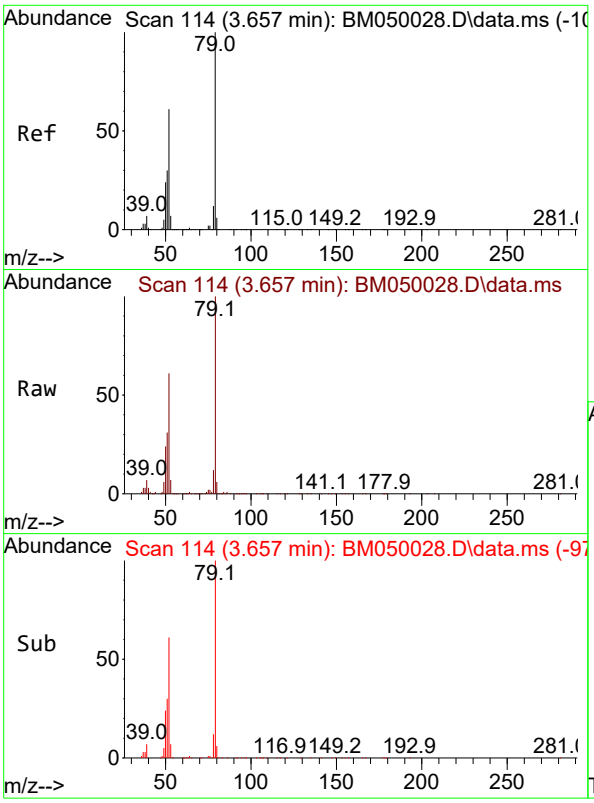


#2
1,4-Dioxane
Concen: 41.774 ng
RT: 3.252 min Scan# 45
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion: 88 Resp: 246624

Ion	Ratio	Lower	Upper
88	100		
58	68.9	55.1	82.7
43	26.1	20.9	31.3



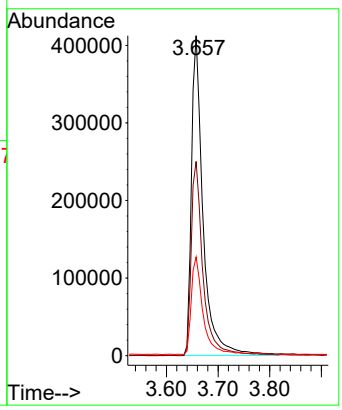


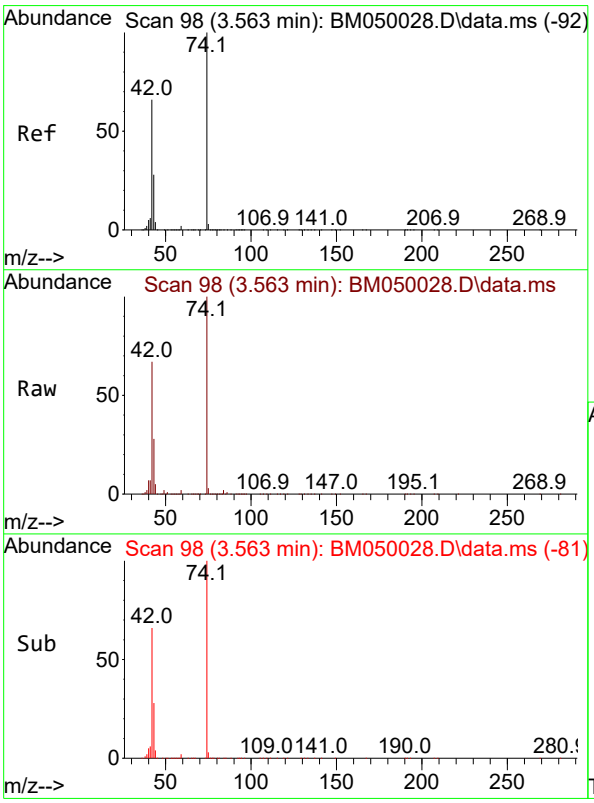
#3
Pyridine
Concen: 42.316 ng
RT: 3.657 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 641890

Ion	Ratio	Lower	Upper
79	100		
52	60.7	48.6	72.8
51	30.8	24.6	37.0

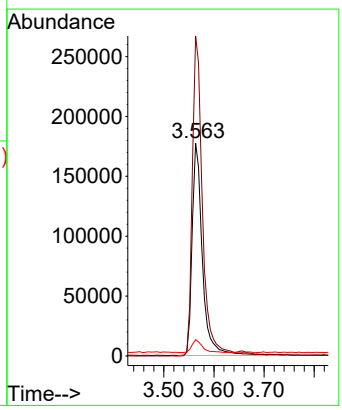


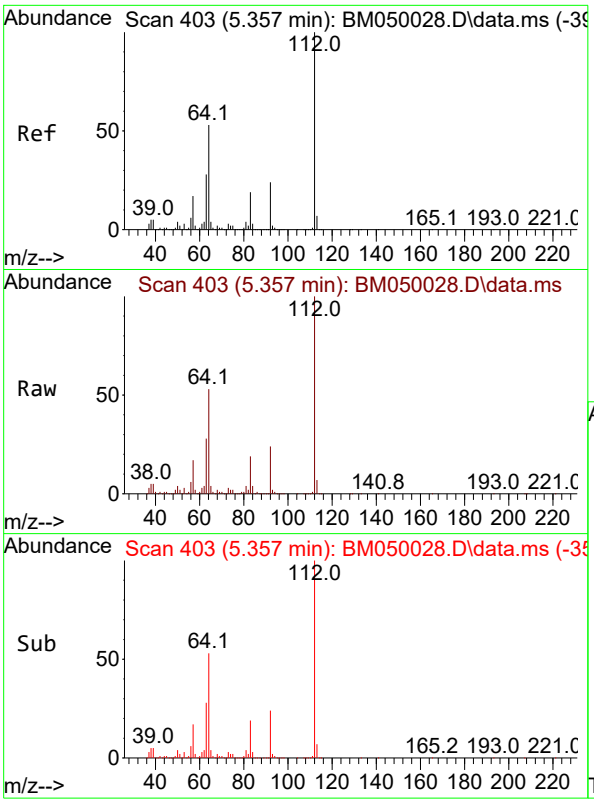


#4
n-Nitrosodimethylamine
Concen: 42.316 ng
RT: 3.563 min Scan# 98
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion: 42 Resp: 251749

Ion	Ratio	Lower	Upper
42	100		
74	150.2	120.2	180.2
44	7.7	6.2	9.2



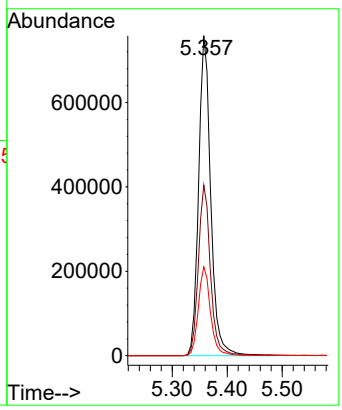


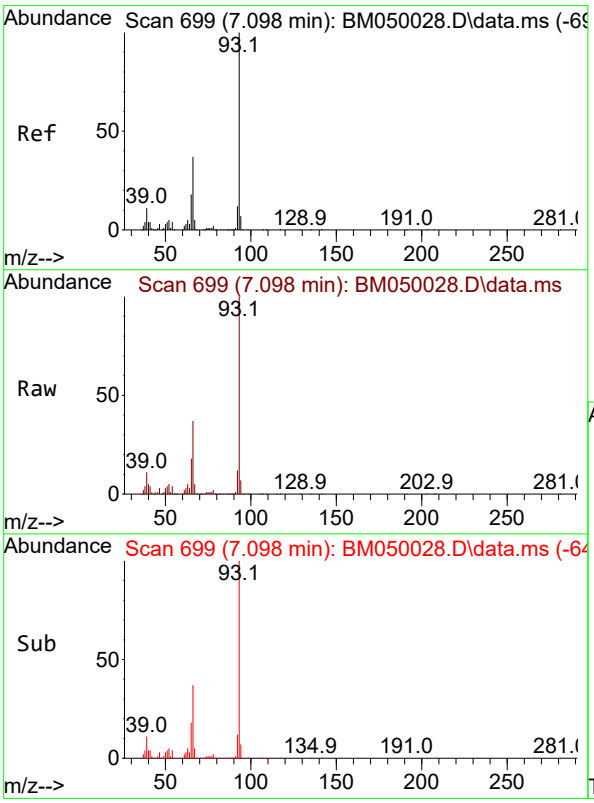
#5
2-Fluorophenol
Concen: 84.611 ng
RT: 5.357 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 1165032

Ion	Ratio	Lower	Upper
112	100		
64	53.3	42.6	64.0
63	27.8	22.2	33.4

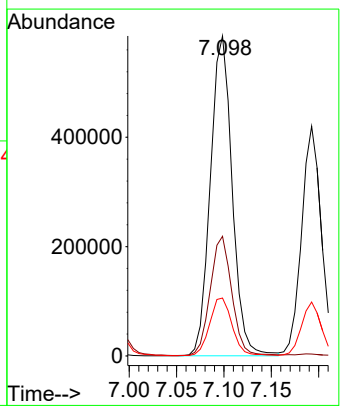


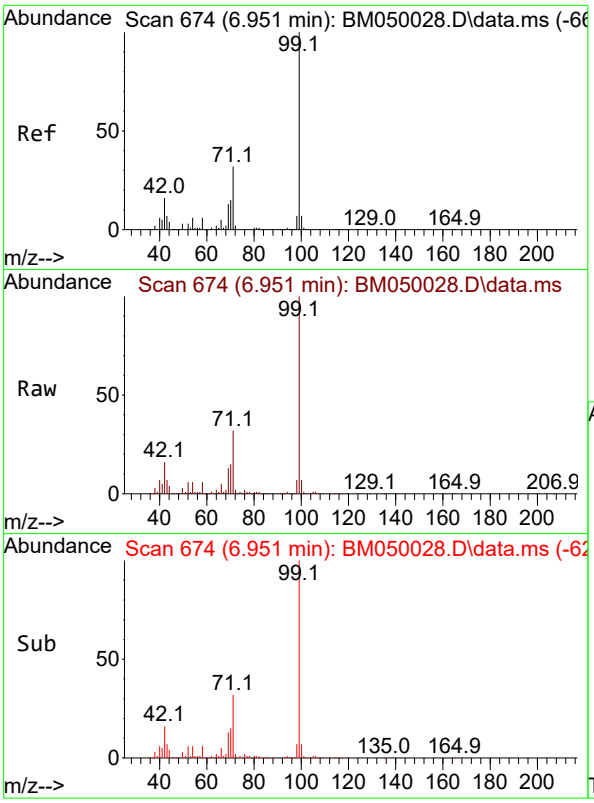


#6
Aniline
Concen: 42.862 ng
RT: 7.098 min Scan# 699
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion: 93 Resp: 936673

Ion	Ratio	Lower	Upper
93	100		
66	37.4	29.9	44.9
65	18.1	14.5	21.7



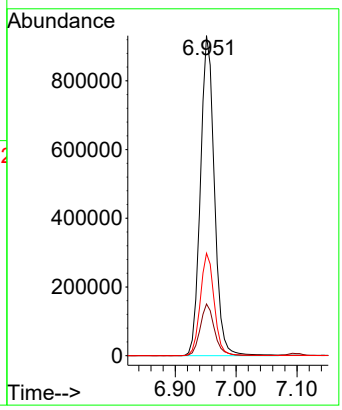


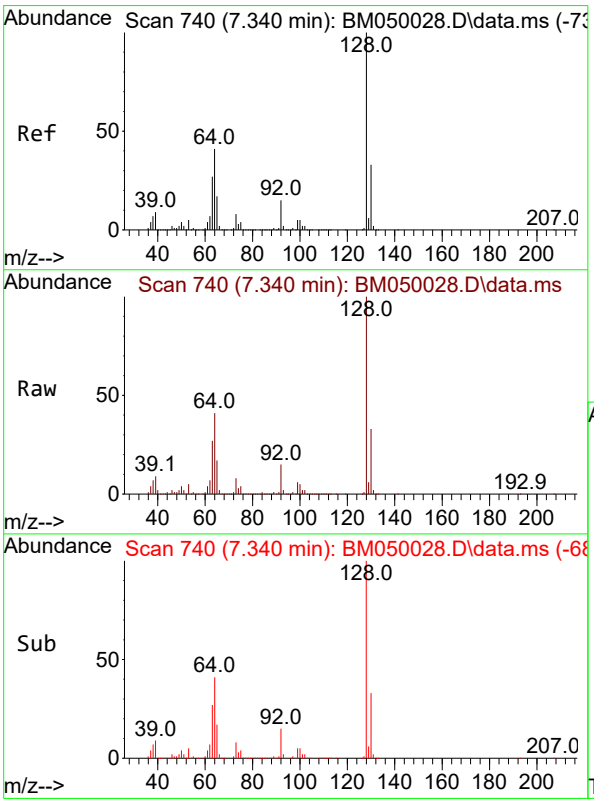
#7
Phenol-d6
Concen: 85.973 ng
RT: 6.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 1487856

Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.0	19.4
71	32.0	25.6	38.4

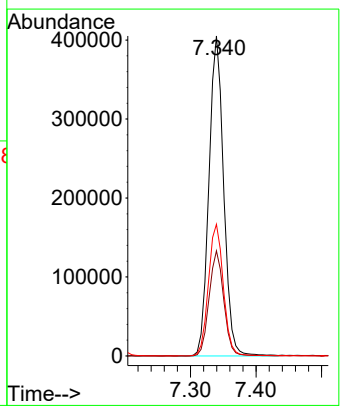


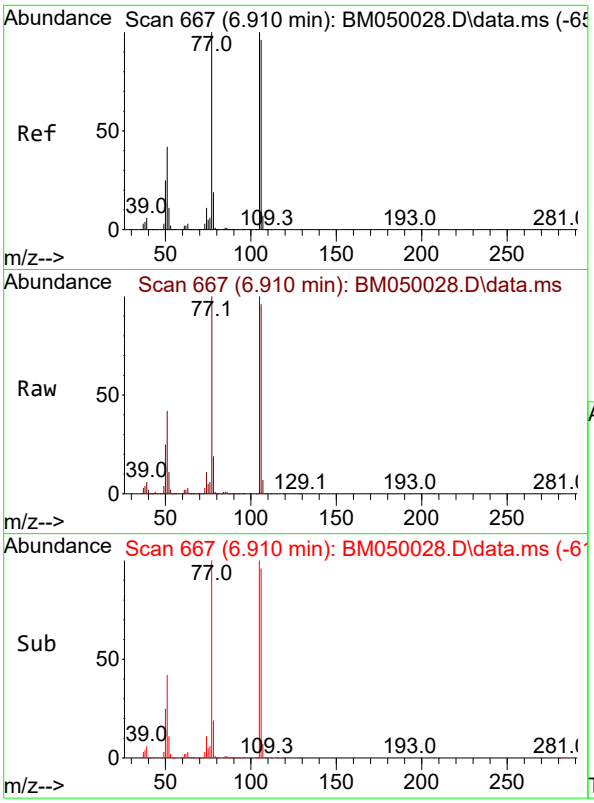


#8
2-Chlorophenol
Concen: 42.508 ng
RT: 7.340 min Scan# 740
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:128 Resp: 632836

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.8	52.8
64	41.2	21.2	61.2



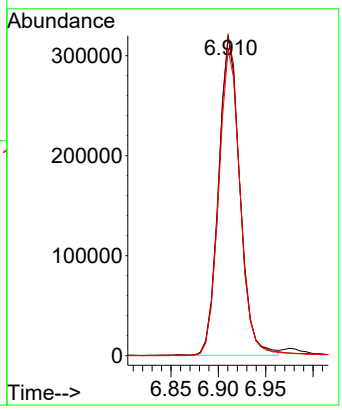


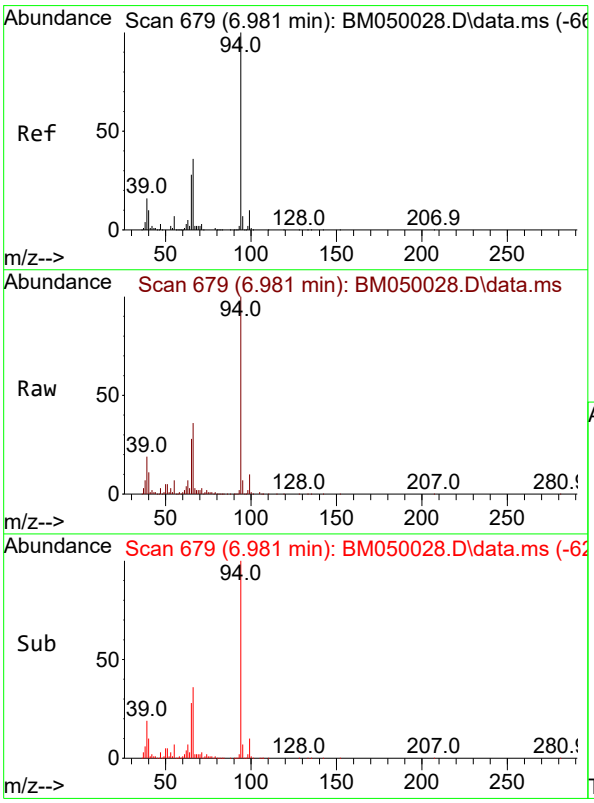
#9
Benzaldehyde
Concen: 42.981 ng
RT: 6.910 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 497166

Ion	Ratio	Lower	Upper
77	100		
105	100.5	80.5	120.5
106	96.1	76.1	116.1

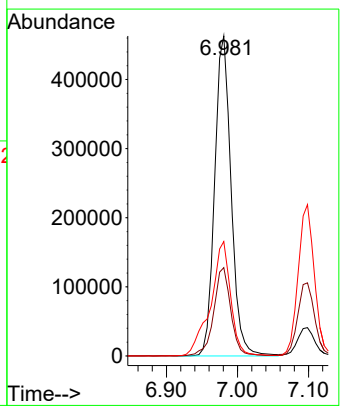


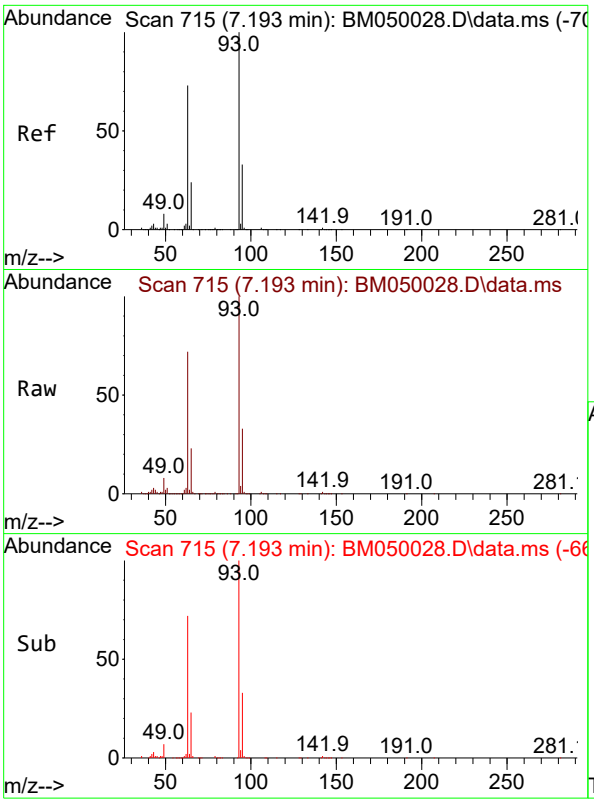


#10
Phenol
Concen: 42.370 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion: 94 Resp: 742305

Ion	Ratio	Lower	Upper
94	100		
65	27.6	7.6	47.6
66	35.8	15.8	55.8



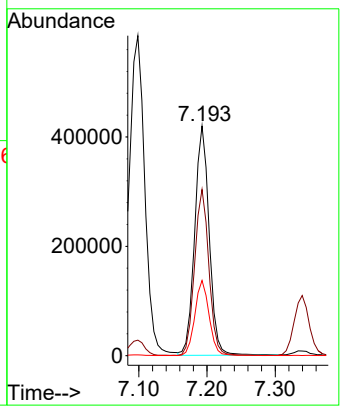


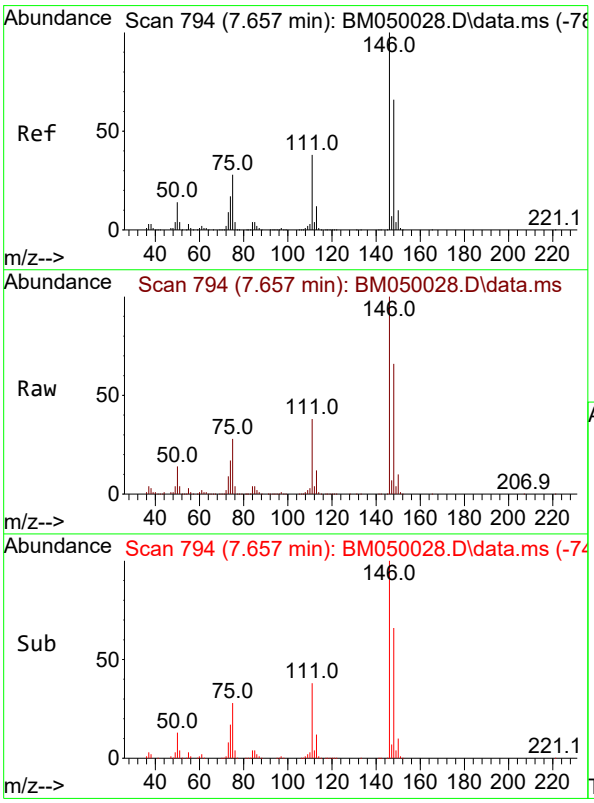
#11
bis(2-Chloroethyl)ether
Concen: 42.166 ng
RT: 7.193 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 616851

Ion	Ratio	Lower	Upper
93	100		
63	72.3	52.3	92.3
95	32.8	12.8	52.8

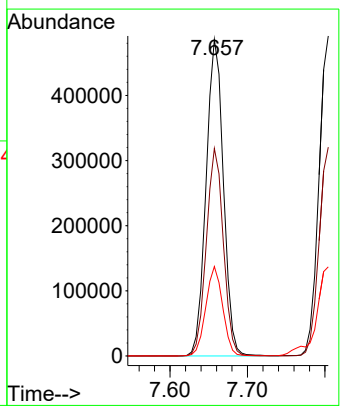


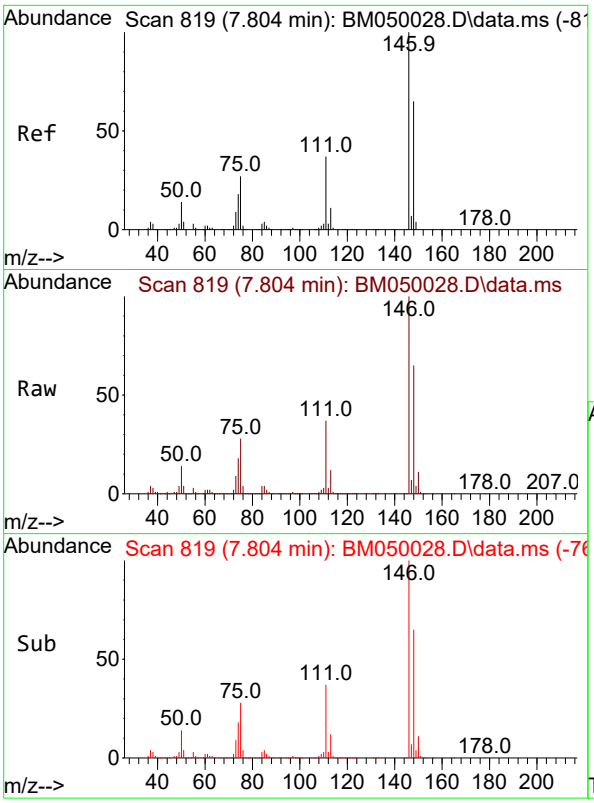


#12
1,3-Dichlorobenzene
Concen: 41.979 ng
RT: 7.657 min Scan# 794
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:146 Resp: 754937

Ion	Ratio	Lower	Upper
146	100		
148	65.6	52.5	78.7
75	28.3	22.6	34.0



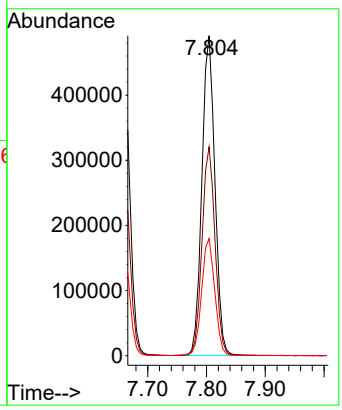


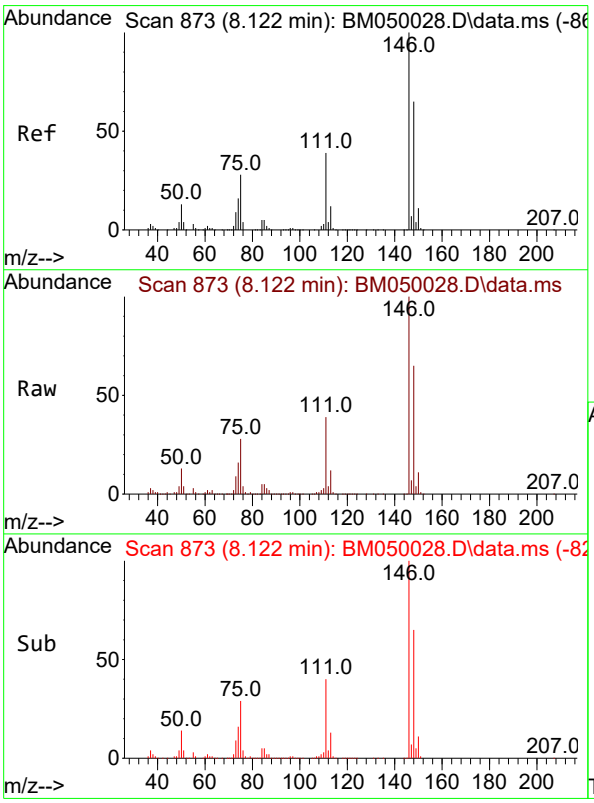
#13
1,4-Dichlorobenzene
Concen: 41.677 ng
RT: 7.804 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 752959

Ion	Ratio	Lower	Upper
146	100		
148	65.2	52.2	78.2
111	36.6	29.3	43.9

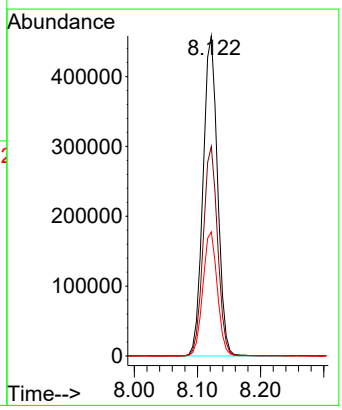


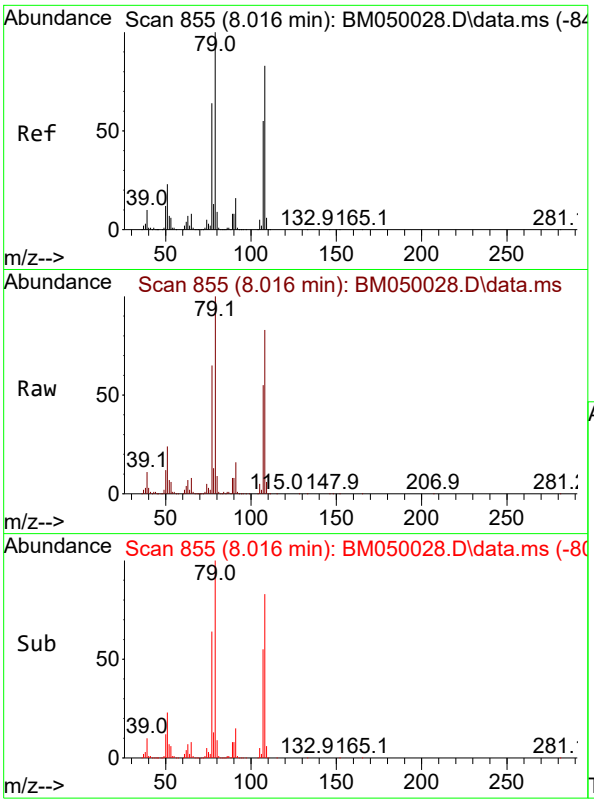


#14
1,2-Dichlorobenzene
Concen: 42.050 ng
RT: 8.122 min Scan# 873
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:146 Resp: 733848

Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.4	78.6
111	38.8	31.0	46.6



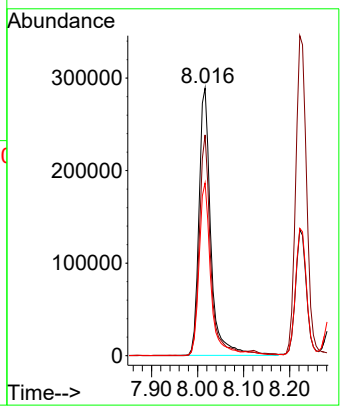


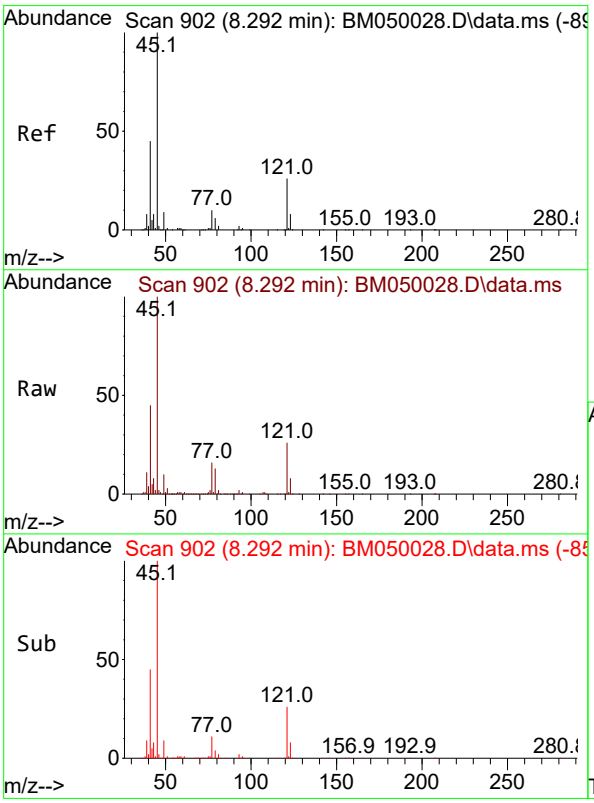
#15
Benzyl Alcohol
Concen: 43.413 ng
RT: 8.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 521025

Ion	Ratio	Lower	Upper
79	100		
108	82.5	66.0	99.0
77	64.5	51.6	77.4

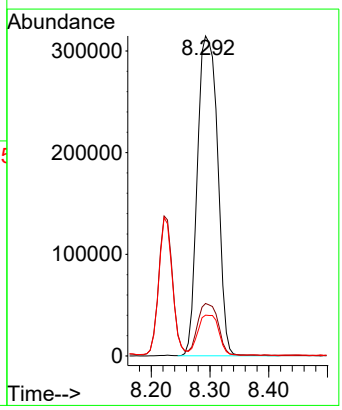


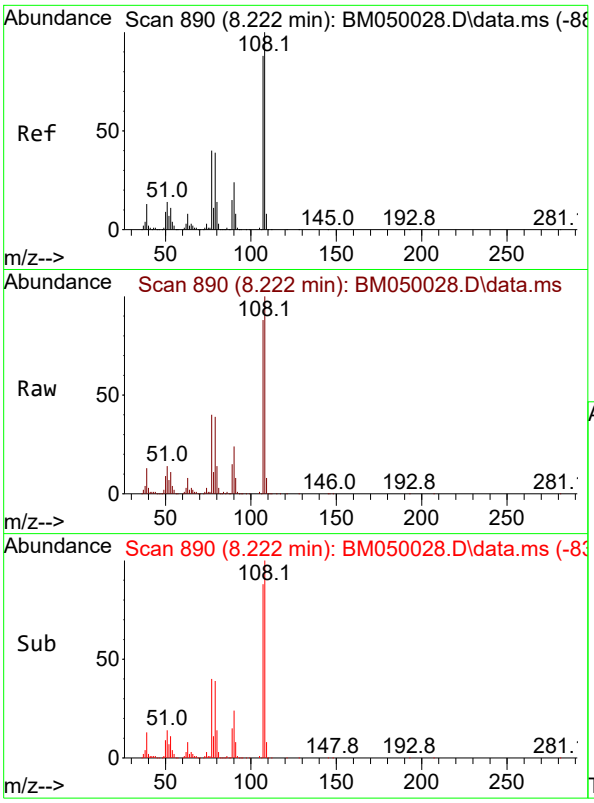


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.085 ng
RT: 8.292 min Scan# 902
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion: 45 Resp: 748400

Ion	Ratio	Lower	Upper
45	100		
77	16.4	0.0	36.4
79	12.7	0.0	32.7



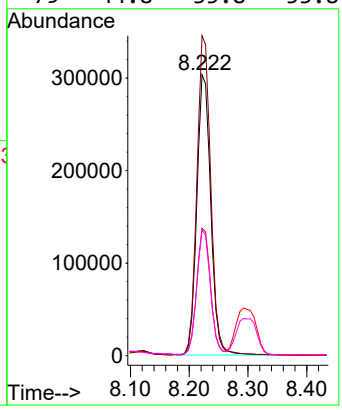


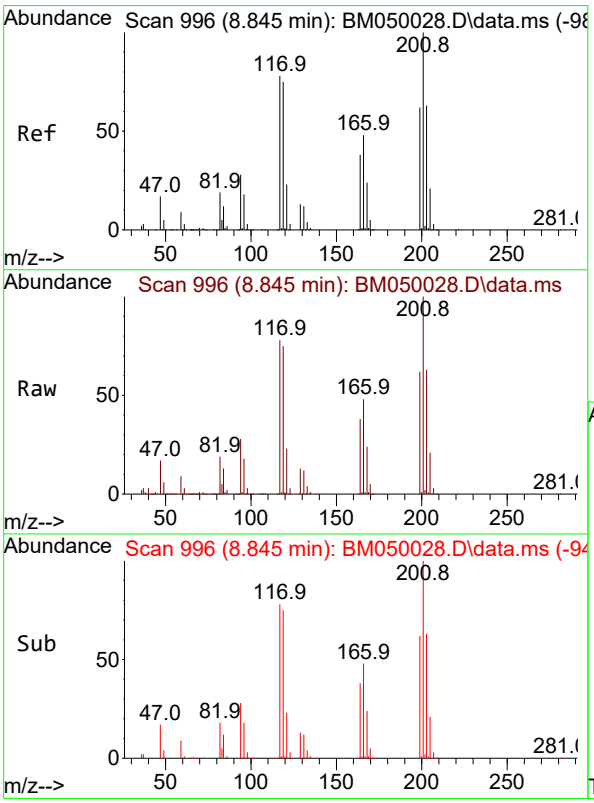
#17
2-Methylphenol
Concen: 43.149 ng
RT: 8.222 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 498005

Ion	Ratio	Lower	Upper
107	100		
108	113.9	91.1	136.7
77	45.3	36.2	54.4
79	44.8	35.8	53.8

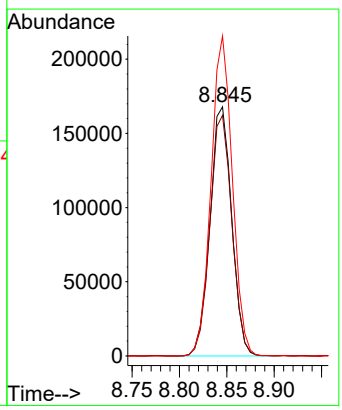


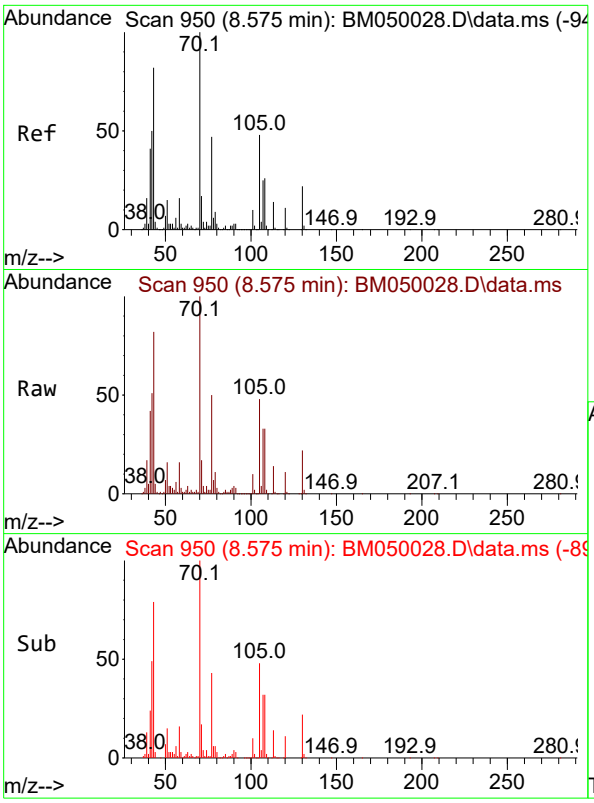


#18
Hexachloroethane
Concen: 41.780 ng
RT: 8.845 min Scan# 996
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:117 Resp: 268328

Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.3	115.9
201	128.5	102.8	154.2



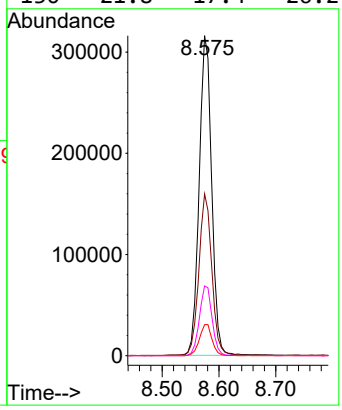


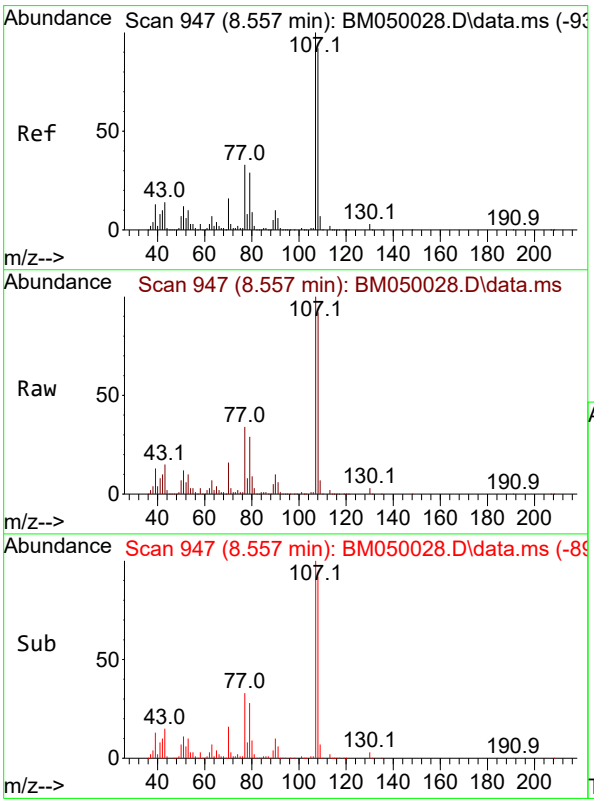
#19
n-Nitroso-di-n-propylamine
Concen: 43.579 ng
RT: 8.575 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 483699

Ion	Ratio	Lower	Upper
70	100		
42	50.6	40.5	60.7
101	9.7	7.8	11.6
130	21.8	17.4	26.2

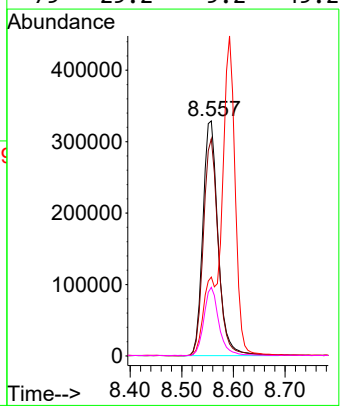


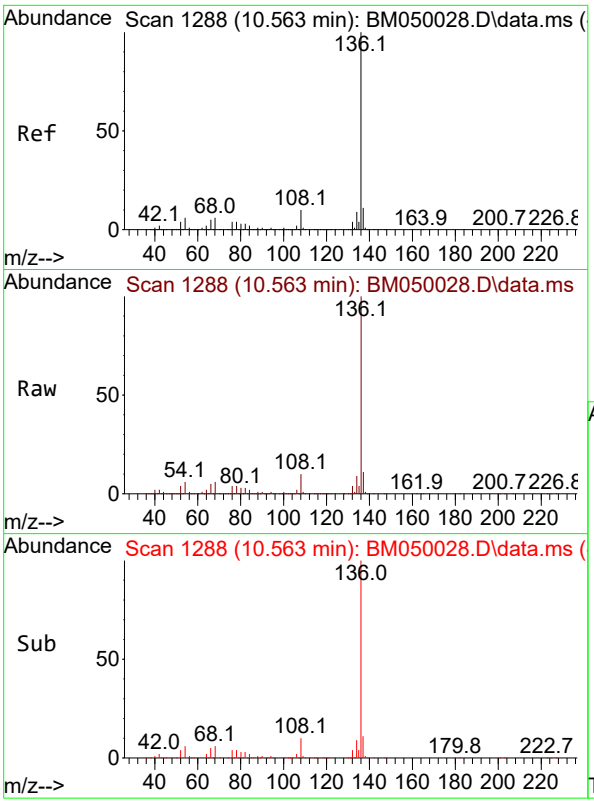


#20
3+4-Methylphenols
Concen: 43.111 ng
RT: 8.557 min Scan# 947
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:107 Resp: 671942

Ion	Ratio	Lower	Upper
107	100		
108	92.4	72.4	112.4
77	33.6	13.6	53.6
79	29.2	9.2	49.2



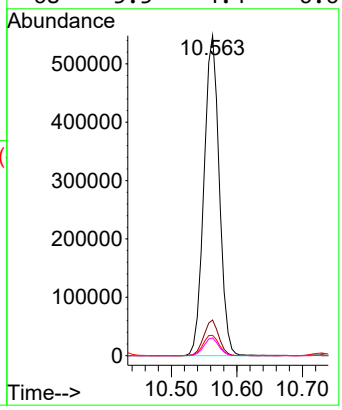


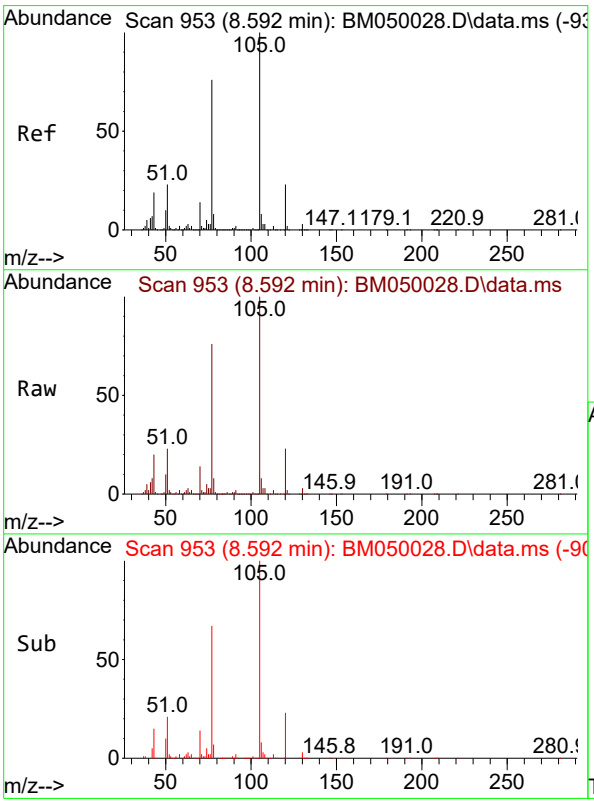
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 890488

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.4	5.1	7.7
68	5.5	4.4	6.6

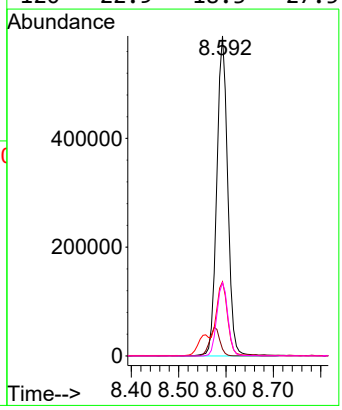


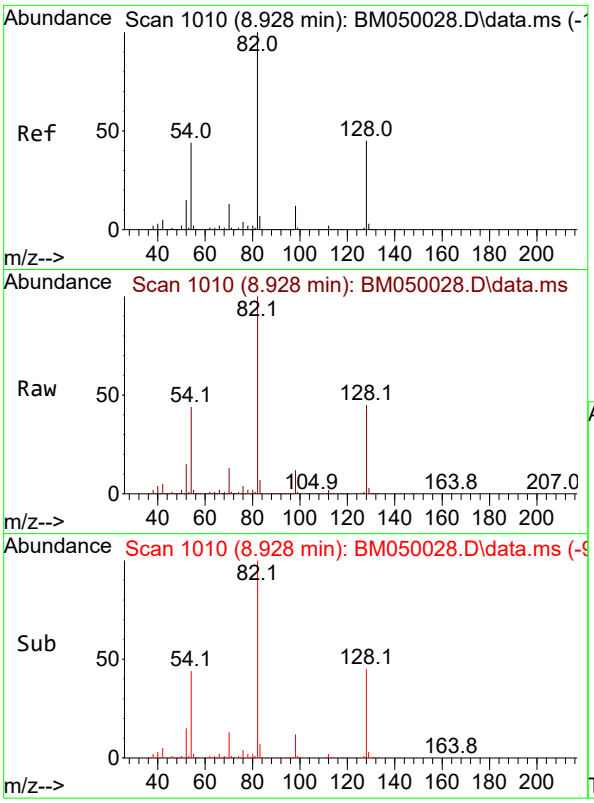


#22
Acetophenone
Concen: 42.735 ng
RT: 8.592 min Scan# 953
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:105 Resp: 946106

Ion	Ratio	Lower	Upper
105	100		
71	2.1	1.7	2.5
51	23.2	18.6	27.8
120	22.9	18.3	27.5



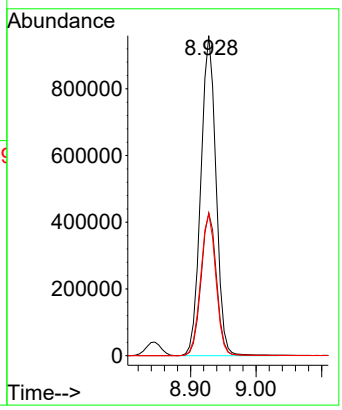


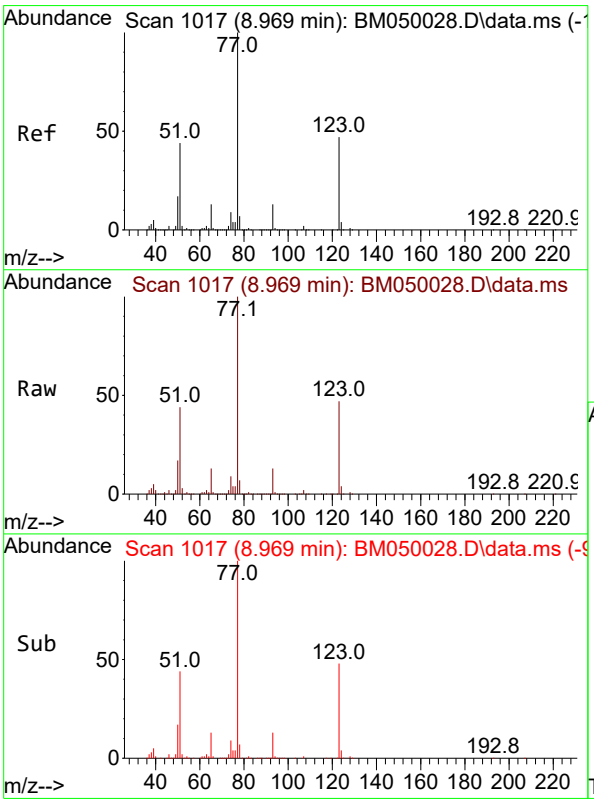
#23
Nitrobenzene-d5
Concen: 85.620 ng
RT: 8.928 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1547270

Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.7	53.5
54	44.3	35.4	53.2

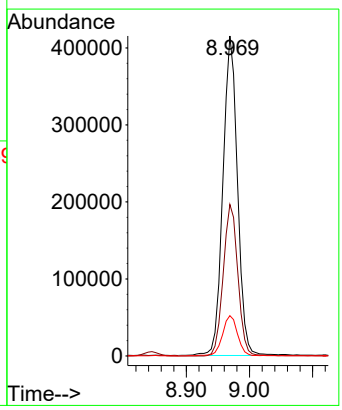


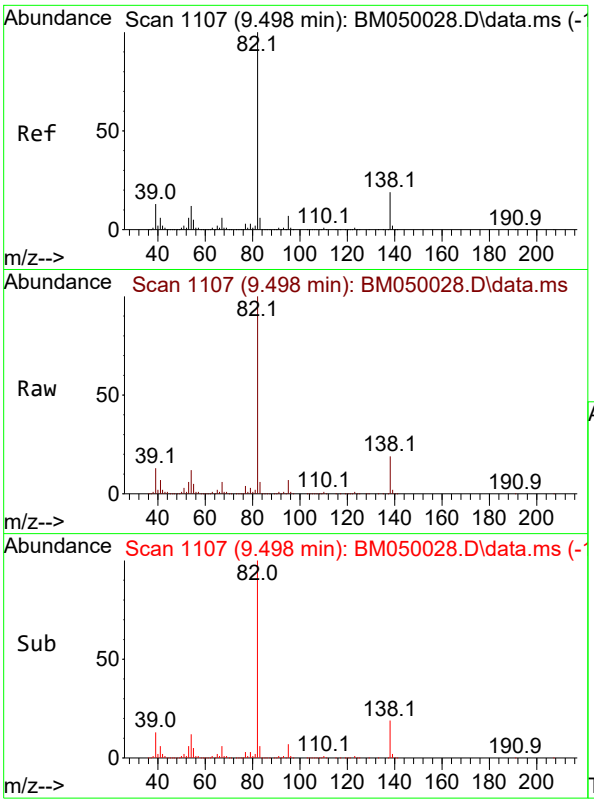


#24
Nitrobenzene
Concen: 42.625 ng
RT: 8.969 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion: 77 Resp: 666034

Ion	Ratio	Lower	Upper
77	100		
123	47.4	37.9	56.9
65	12.6	10.1	15.1



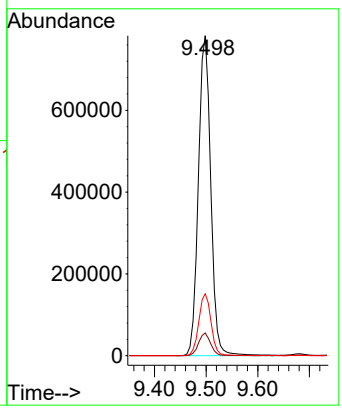


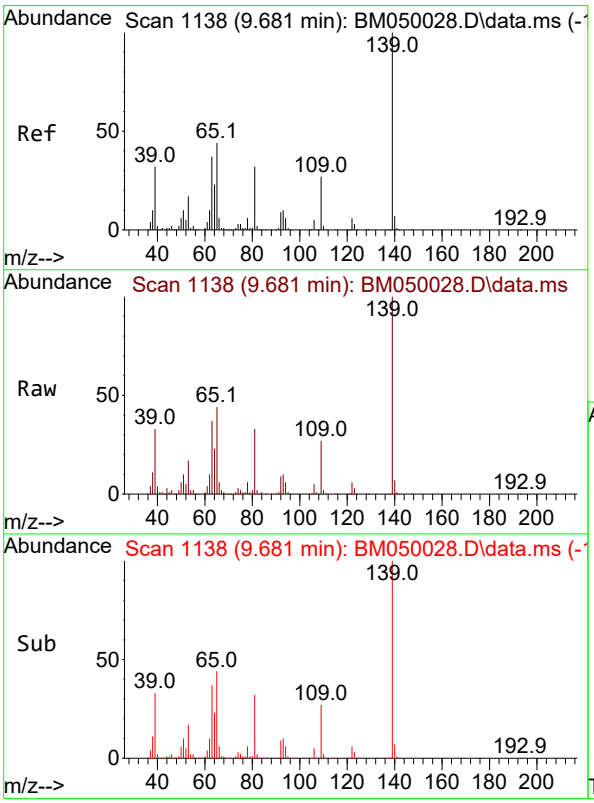
#25
Isophorone
Concen: 42.156 ng
RT: 9.498 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1298577

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.7	8.5
138	19.4	15.5	23.3

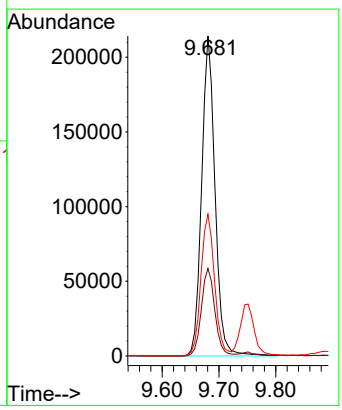


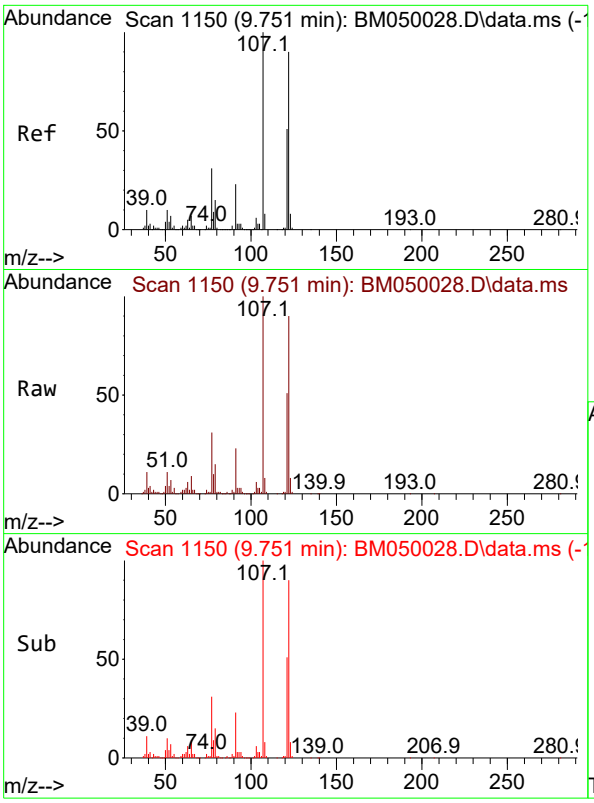


#26
2-Nitrophenol
Concen: 43.827 ng
RT: 9.681 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:139 Resp: 349855

Ion	Ratio	Lower	Upper
139	100		
109	27.4	21.9	32.9
65	44.3	35.4	53.2



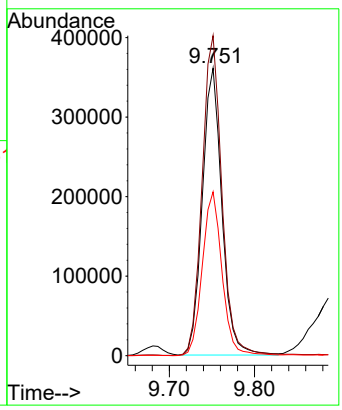


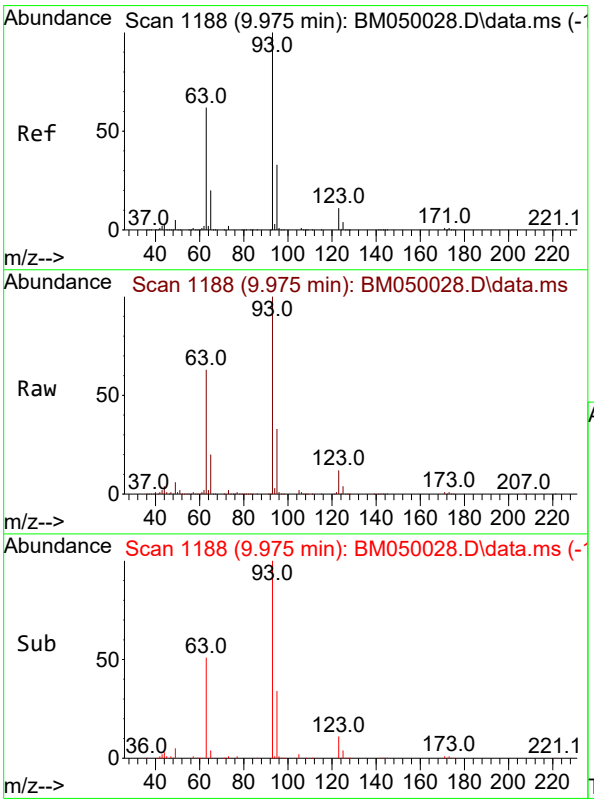
#27
2,4-Dimethylphenol
Concen: 43.552 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 576549

Ion	Ratio	Lower	Upper
122	100		
107	111.3	89.0	133.6
121	57.0	45.6	68.4

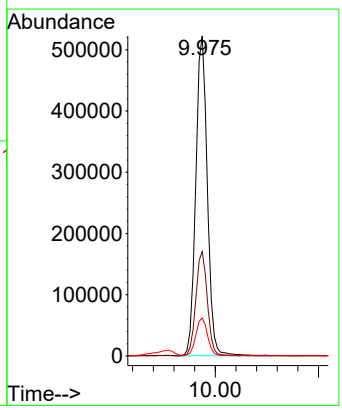


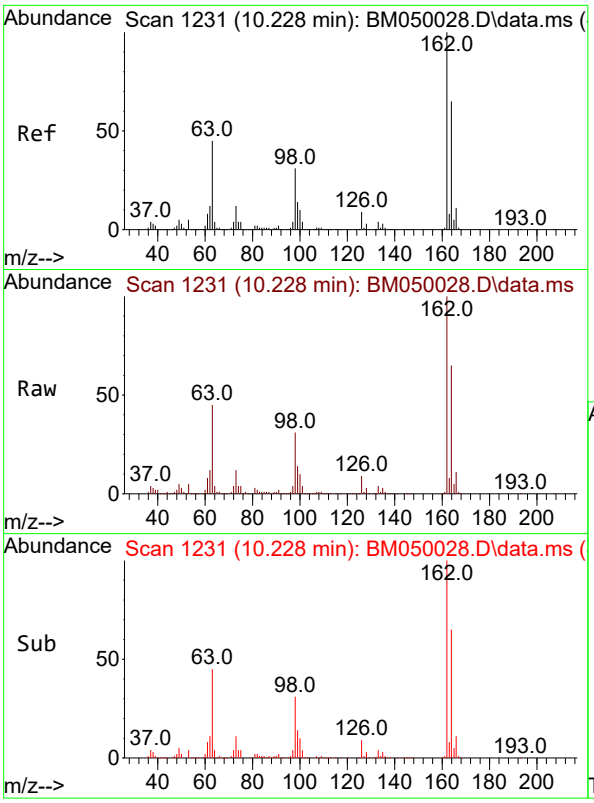


#28
bis(2-Chloroethoxy)methane
Concen: 42.518 ng
RT: 9.975 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion: 93 Resp: 809528

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.1	39.1
123	11.9	9.5	14.3



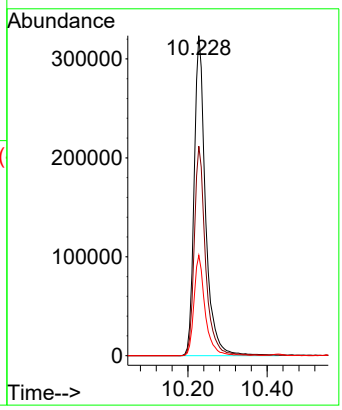


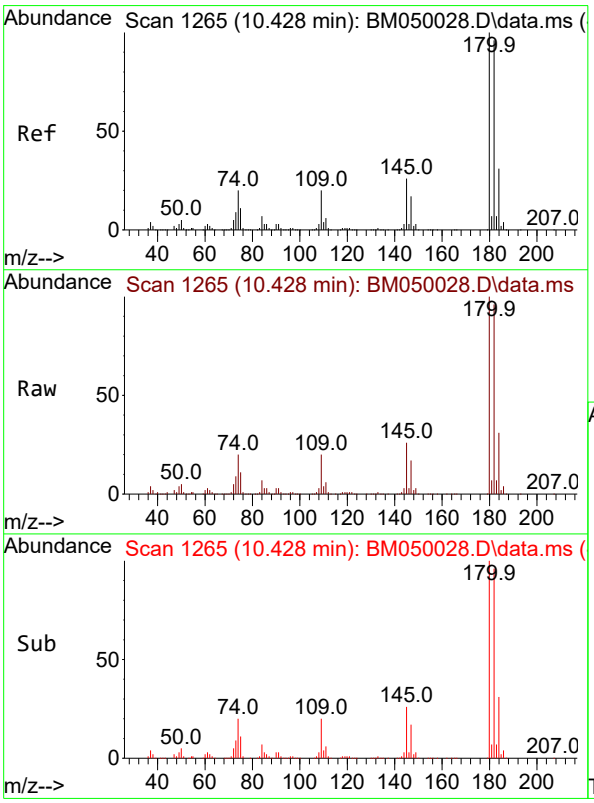
#29
2,4-Dichlorophenol
Concen: 43.461 ng
RT: 10.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 644546

Ion	Ratio	Lower	Upper
162	100		
164	65.4	45.4	85.4
98	31.3	11.3	51.3

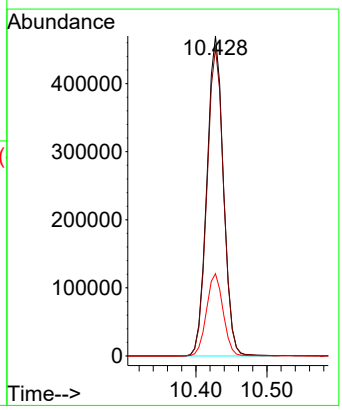


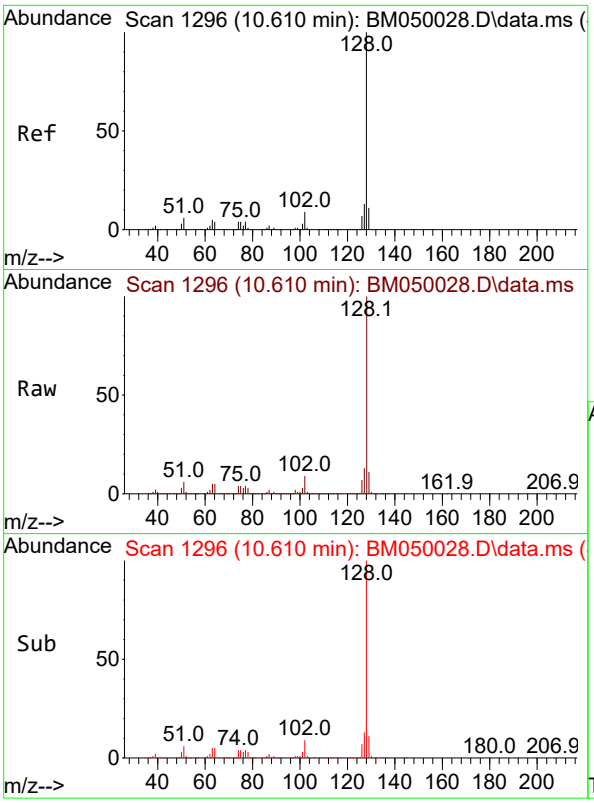


#30
1,2,4-Trichlorobenzene
Concen: 42.060 ng
RT: 10.428 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:180 Resp: 759987

Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.0	115.4
145	25.7	20.6	30.8



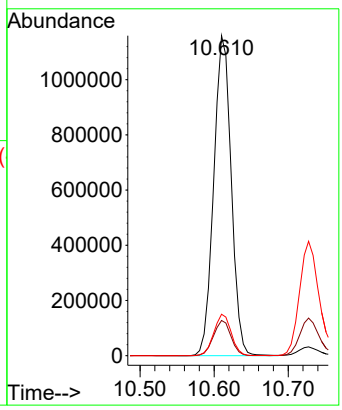


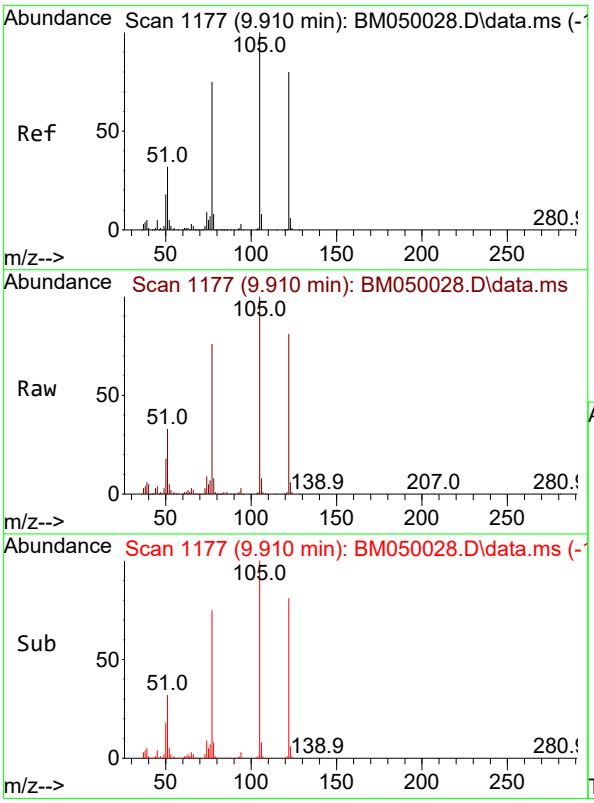
#31
Naphthalene
Concen: 42.100 ng
RT: 10.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 1898588

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.0	10.4	15.6

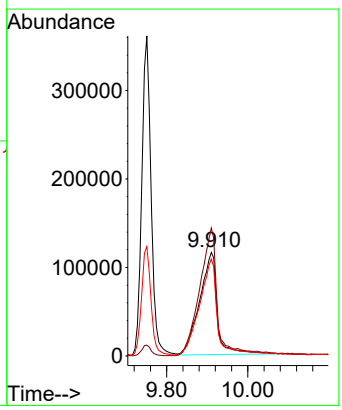


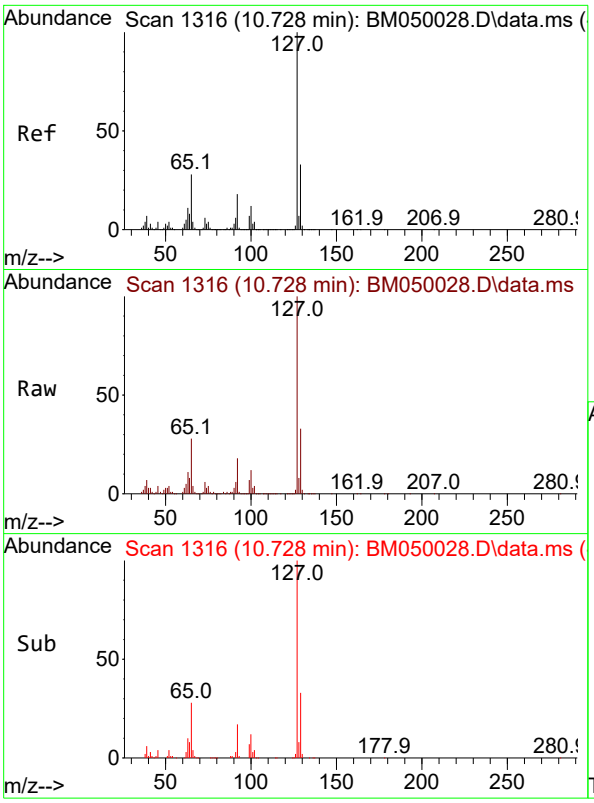


#32
Benzoic acid
Concen: 41.613 ng
RT: 9.910 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:122 Resp: 351345

Ion	Ratio	Lower	Upper
122	100		
105	123.6	103.6	143.6
77	93.7	73.7	113.7



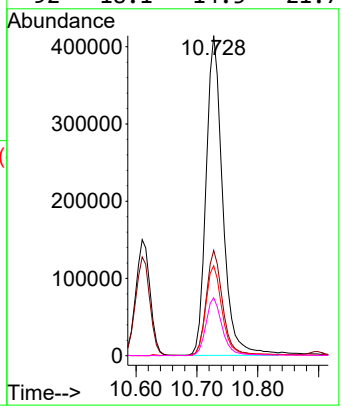


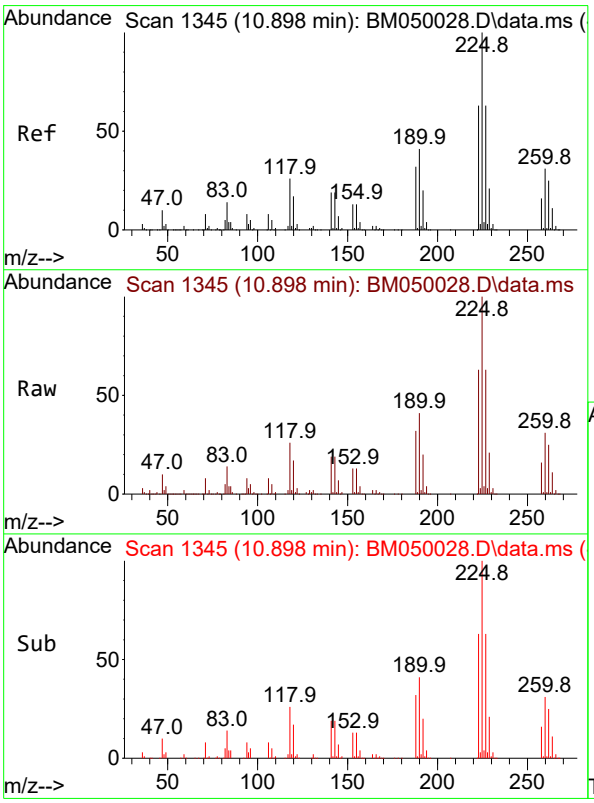
#33
4-Chloroaniline
Concen: 42.448 ng
RT: 10.728 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 784625

Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.3	39.5
65	28.1	22.5	33.7
92	18.1	14.5	21.7

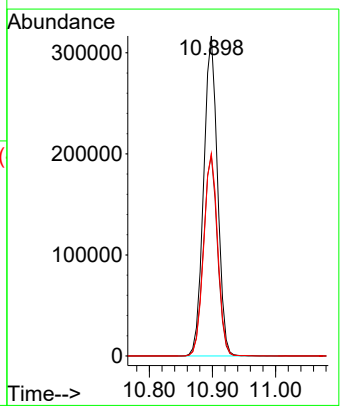


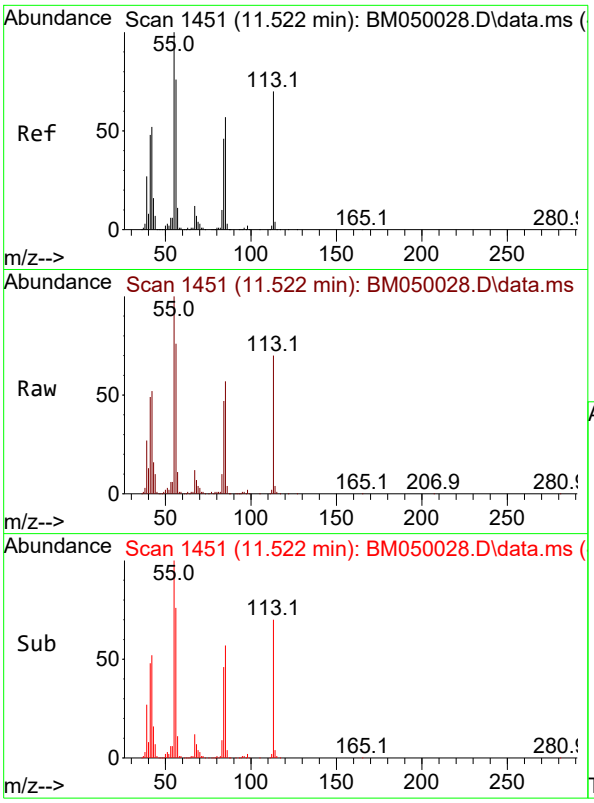


#34
Hexachlorobutadiene
Concen: 41.981 ng
RT: 10.898 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:225 Resp: 481510

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.2	75.2
227	63.3	50.6	76.0



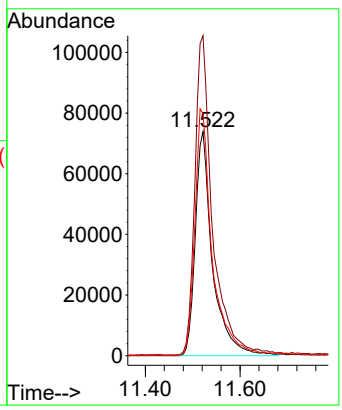


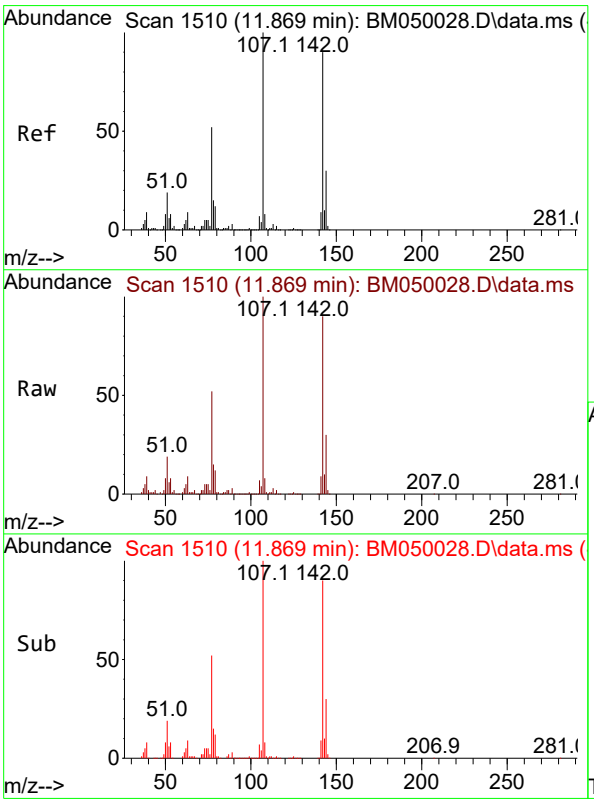
#35
Caprolactam
Concen: 43.010 ng
RT: 11.522 min Scan# 14
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 185984

Ion	Ratio	Lower	Upper
113	100		
55	142.9	122.9	162.9
56	108.1	88.1	128.1

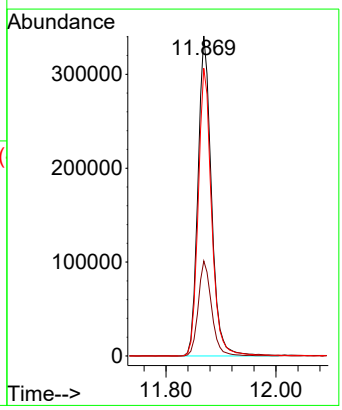


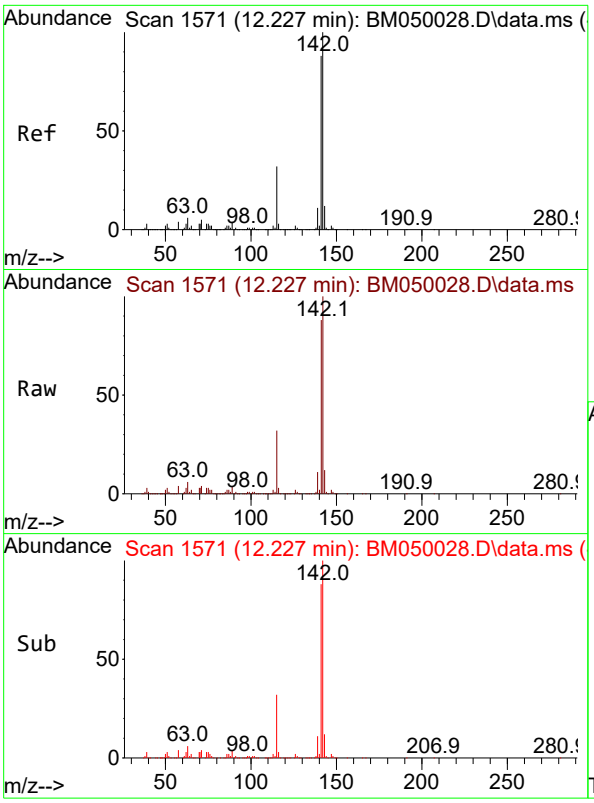


#36
4-Chloro-3-methylphenol
Concen: 42.293 ng
RT: 11.869 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:107 Resp: 579492

Ion	Ratio	Lower	Upper
107	100		
144	29.7	23.8	35.6
142	89.9	71.9	107.9



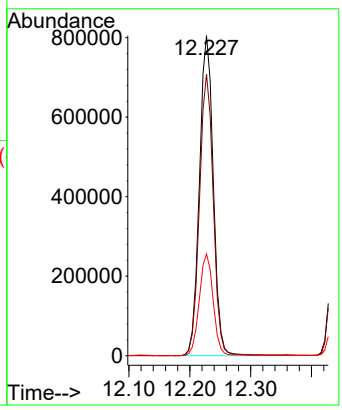


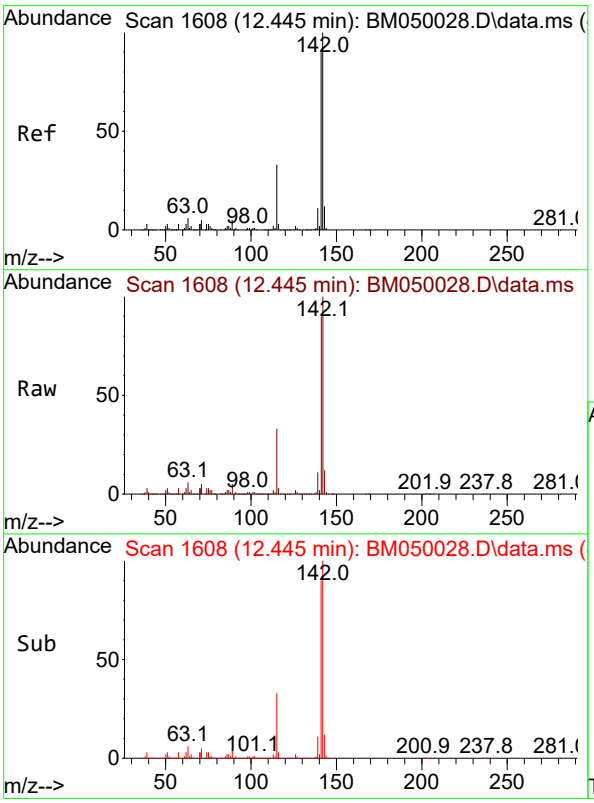
#37
2-Methylnaphthalene
Concen: 41.973 ng
RT: 12.227 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 1269061

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.4	105.6
115	31.8	25.4	38.2

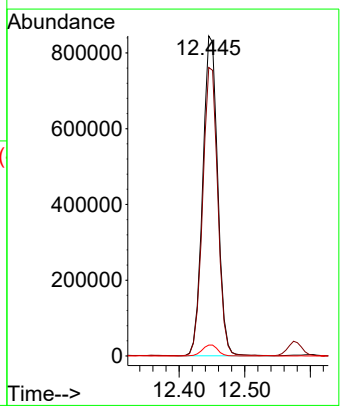


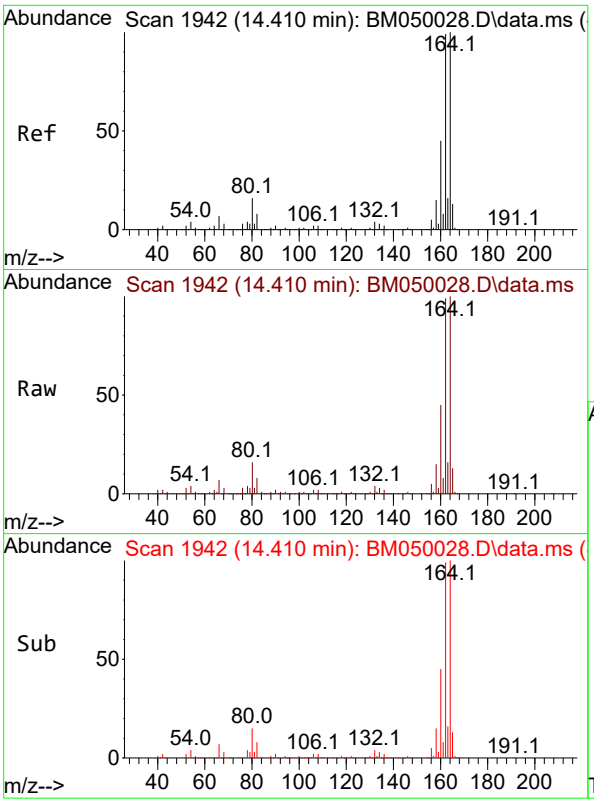


#38
1-Methylnaphthalene
Concen: 41.928 ng
RT: 12.445 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:142 Resp: 1341577

Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.1	108.1
116	3.4	2.7	4.1



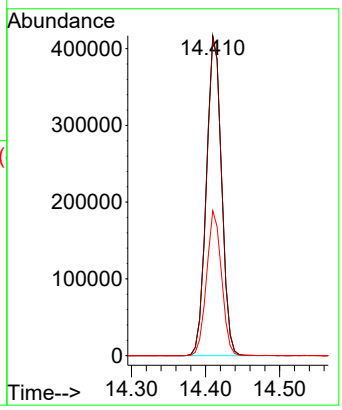


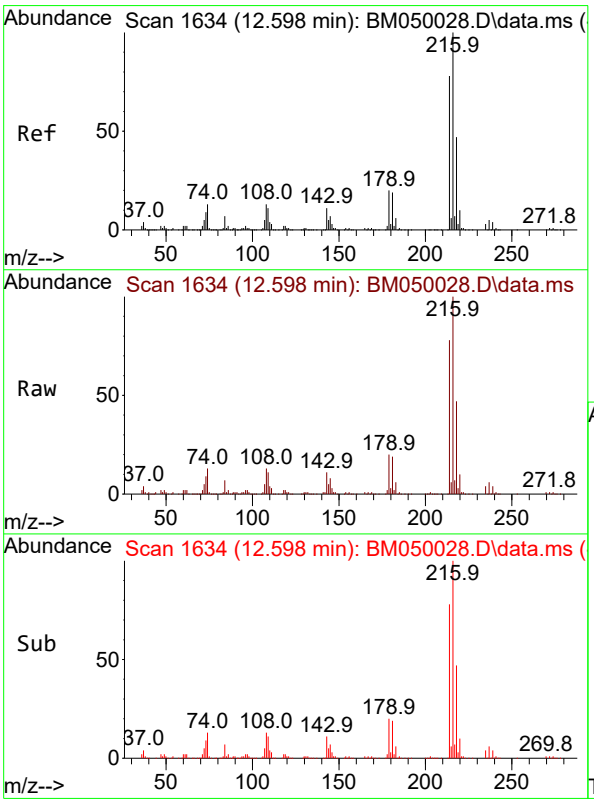
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 591599

Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.4	119.0
160	45.3	36.2	54.4

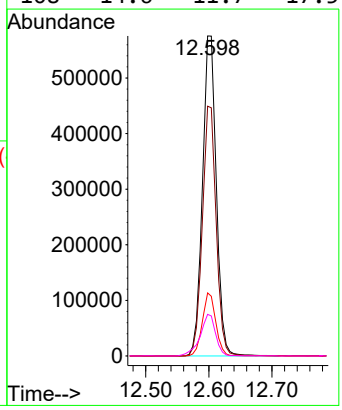


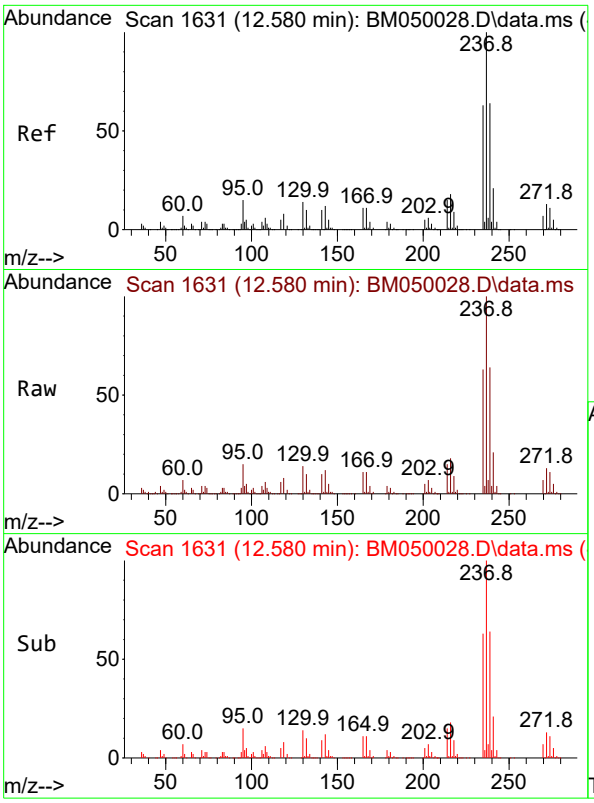


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.894 ng
RT: 12.598 min Scan# 1634
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:216 Resp: 878448

Ion	Ratio	Lower	Upper
216	100		
214	77.9	62.3	93.5
179	19.2	15.4	23.0
108	14.6	11.7	17.5



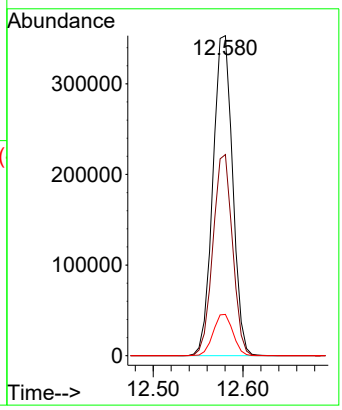


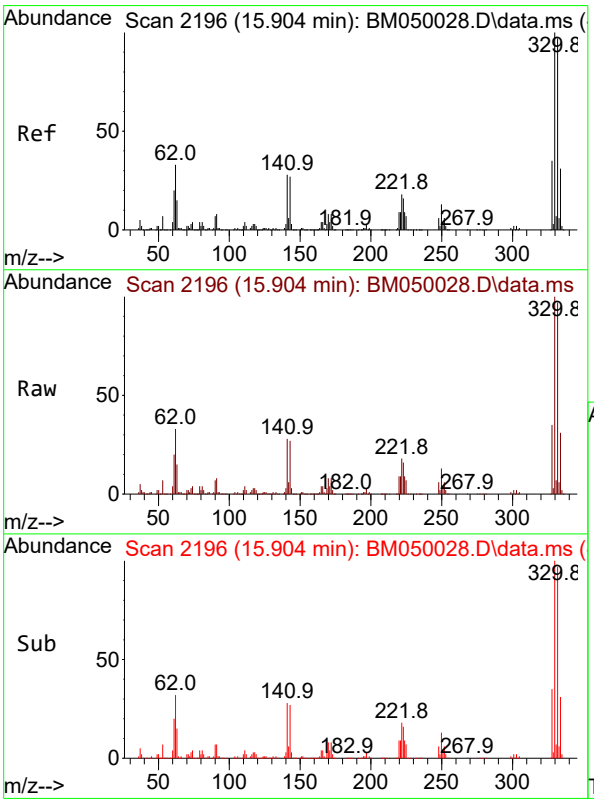
#41
Hexachlorocyclopentadiene
Concen: 43.050 ng
RT: 12.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 538788

Ion	Ratio	Lower	Upper
237	100		
235	62.9	42.9	82.9
272	12.9	0.0	32.9

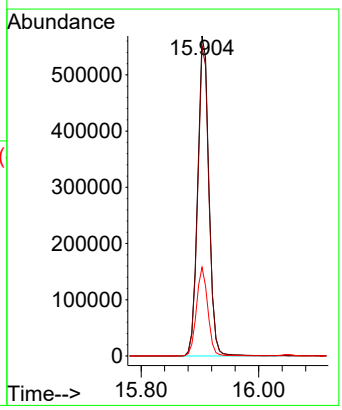


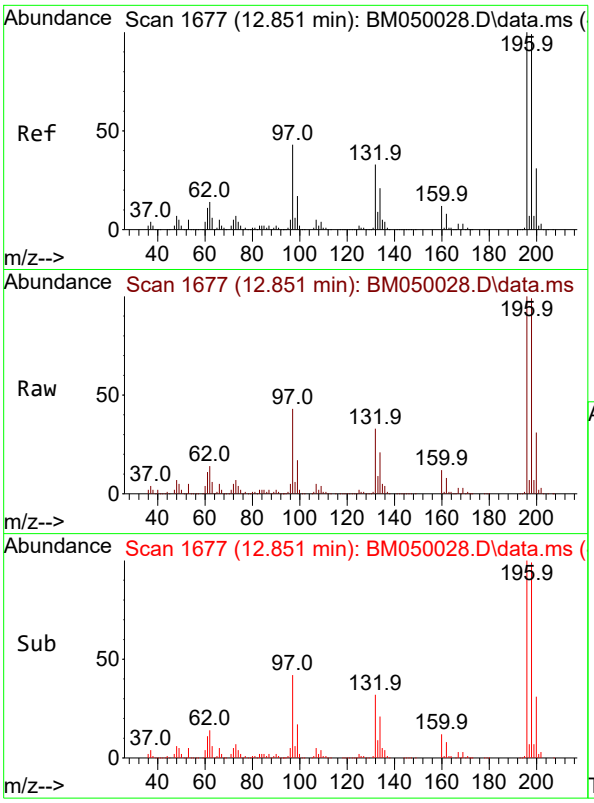


#42
2,4,6-Tribromophenol
Concen: 85.958 ng
RT: 15.904 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:330 Resp: 751927

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.3	115.9
141	28.1	22.5	33.7



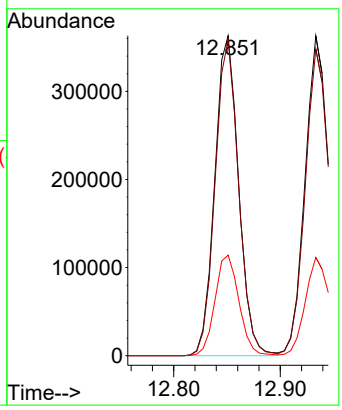


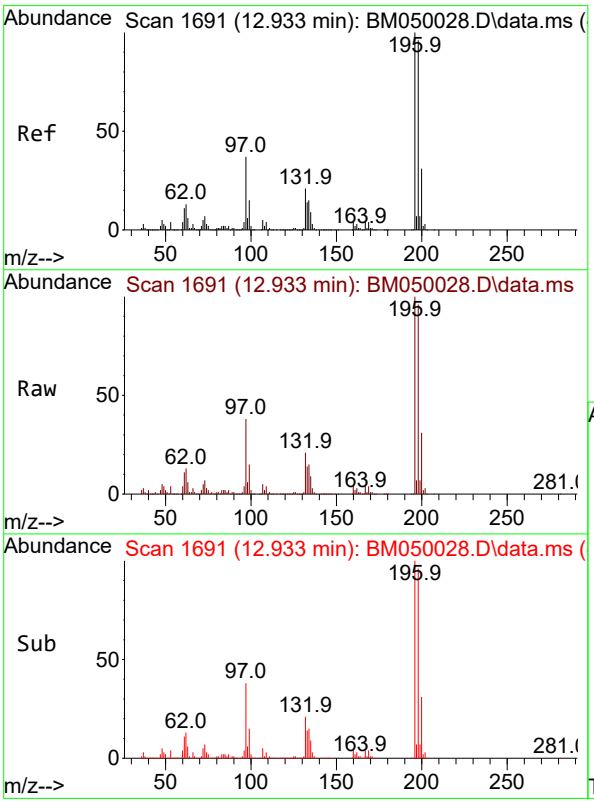
#43
2,4,6-Trichlorophenol
Concen: 43.368 ng
RT: 12.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 563324

Ion	Ratio	Lower	Upper
196	100		
198	98.8	79.0	118.6
200	31.4	25.1	37.7

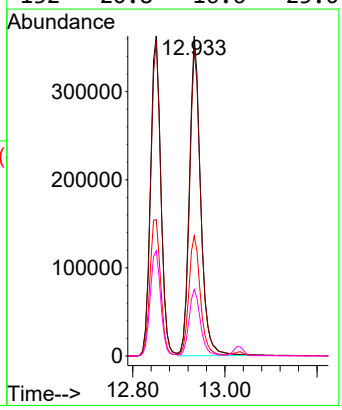


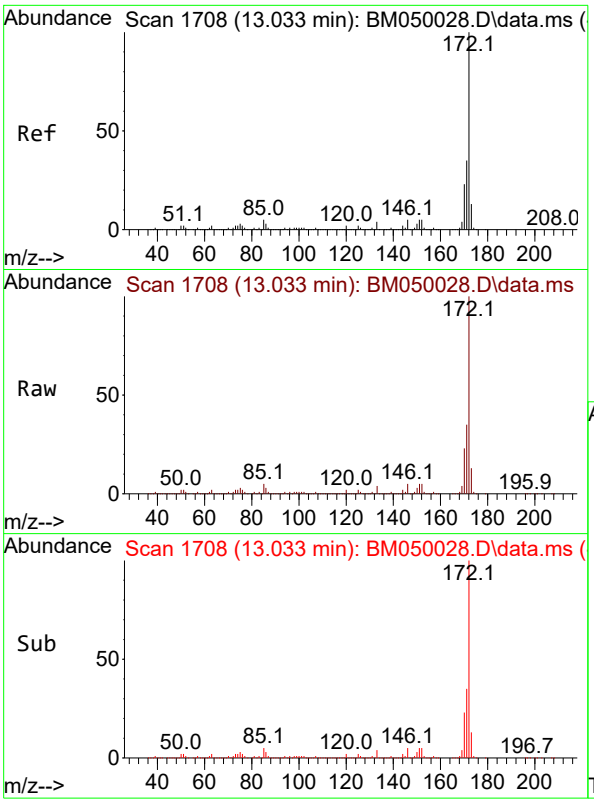


#44
2,4,5-Trichlorophenol
Concen: 43.706 ng
RT: 12.933 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:196 Resp: 612194

Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.7	115.1
97	37.6	30.1	45.1
132	20.8	16.6	25.0



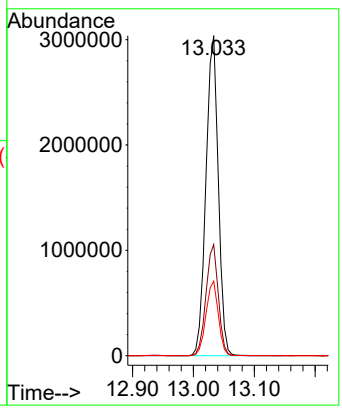


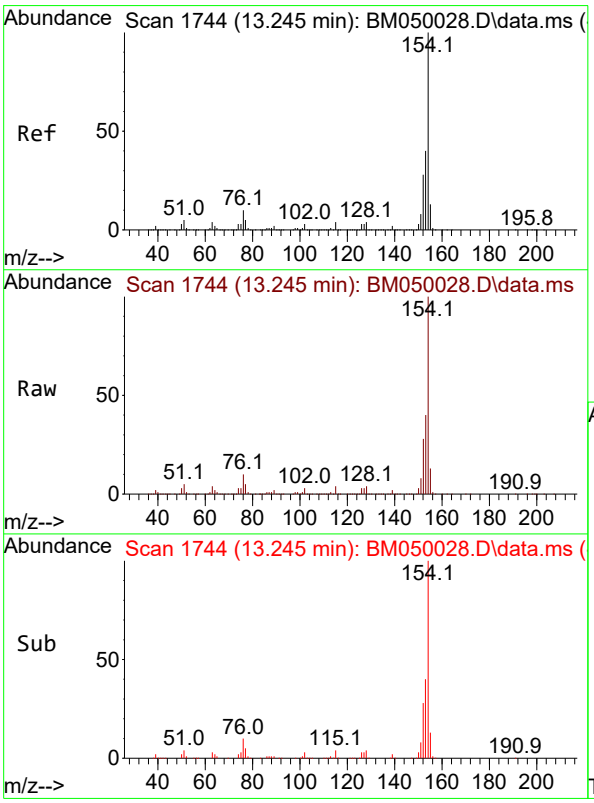
#45
2-Fluorobiphenyl
Concen: 85.489 ng
RT: 13.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 4275240

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	23.3	18.6	28.0

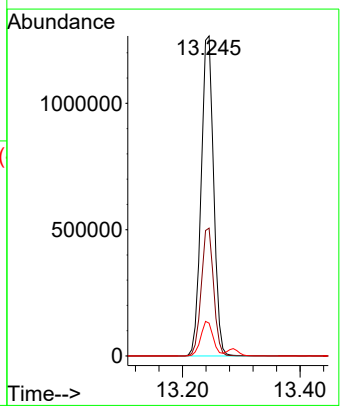


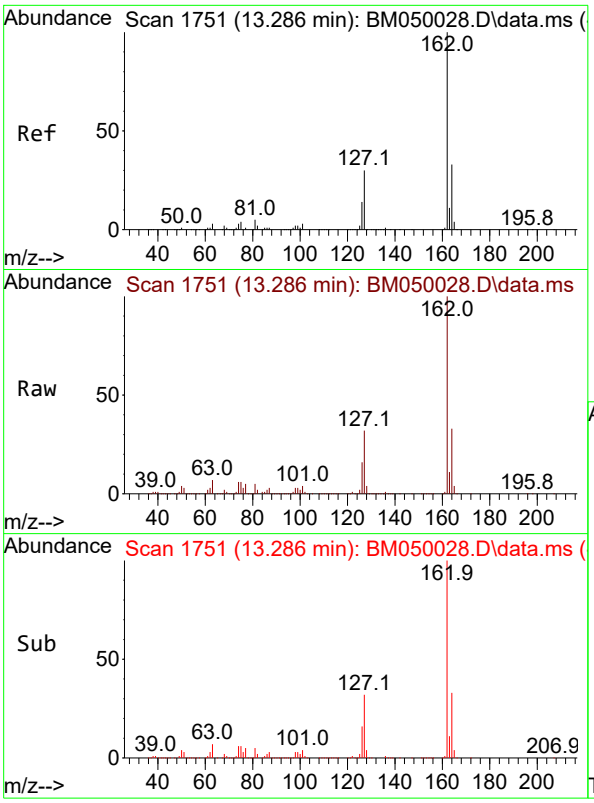


#46
1,1'-Biphenyl
Concen: 42.309 ng
RT: 13.245 min Scan# 1744
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:154 Resp: 1860581

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.0	60.0
76	10.3	0.0	30.3



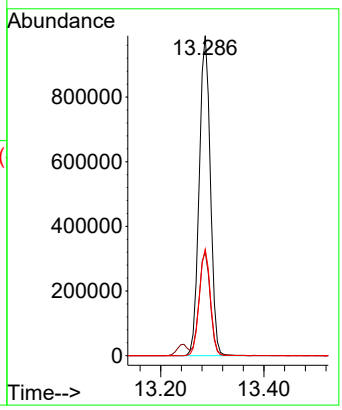


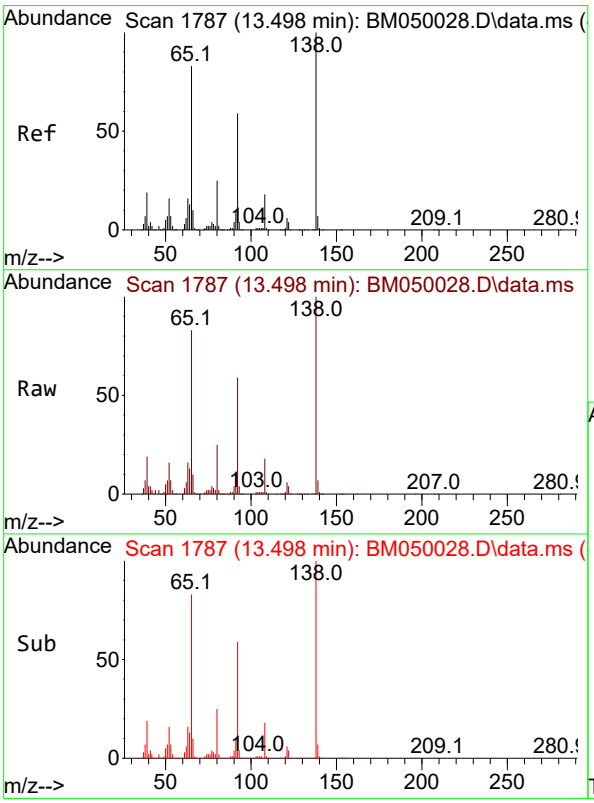
#47
2-Chloronaphthalene
Concen: 42.480 ng
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 1479560

Ion	Ratio	Lower	Upper
162	100		
127	32.4	25.9	38.9
164	33.3	26.6	40.0

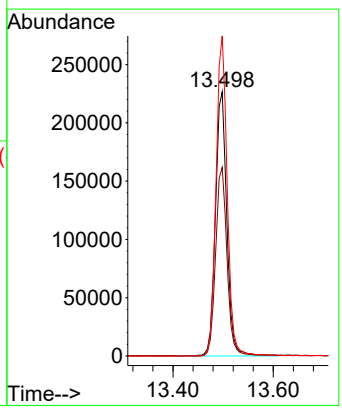


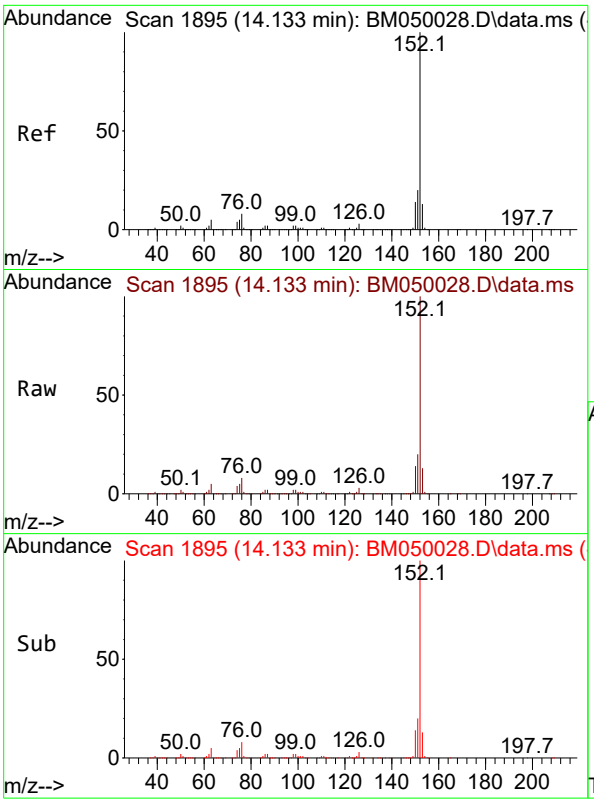


#48
2-Nitroaniline
Concen: 43.684 ng
RT: 13.498 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion: 65 Resp: 357098

Ion	Ratio	Lower	Upper
65	100		
92	71.4	57.1	85.7
138	121.2	97.0	145.4



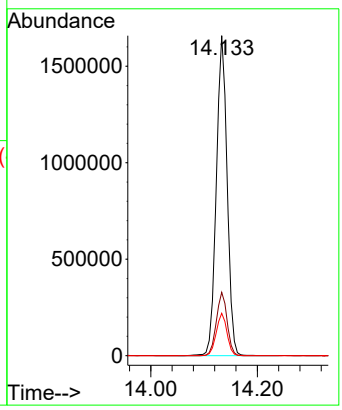


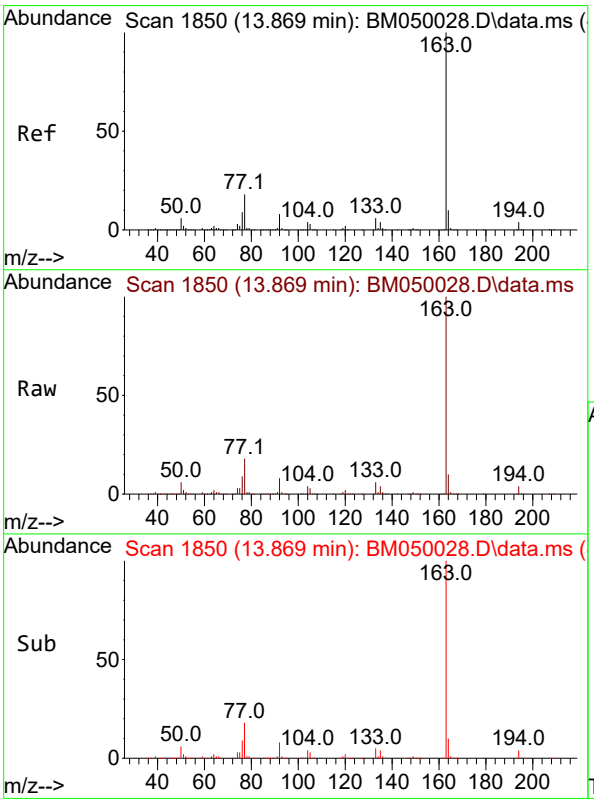
#49
Acenaphthylene
Concen: 42.478 ng
RT: 14.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 2332675

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	13.2	10.6	15.8

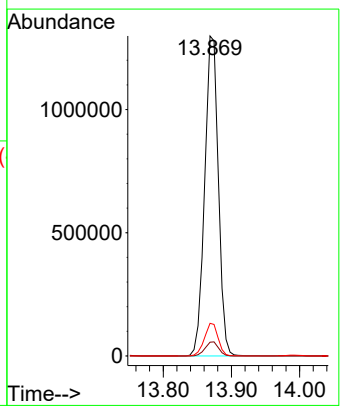


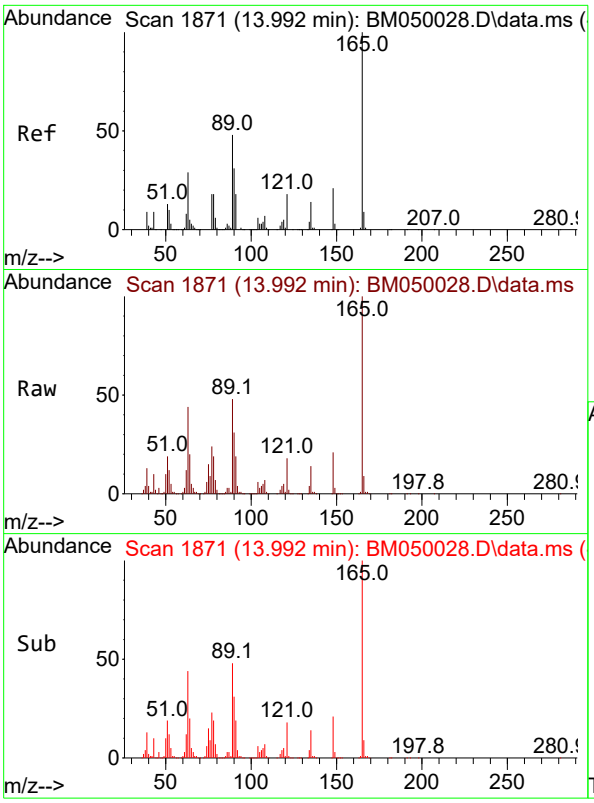


#50
Dimethylphthalate
Concen: 41.918 ng
RT: 13.869 min Scan# 1850
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:163 Resp: 1812335

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.2	8.2	12.2



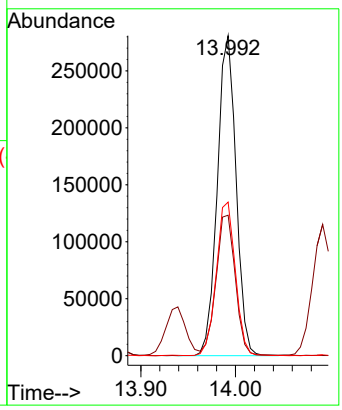


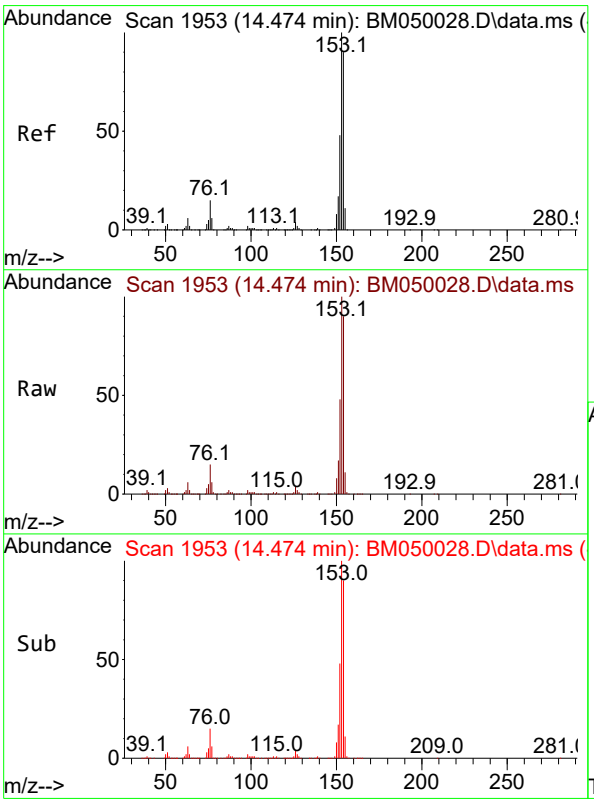
#51
2,6-Dinitrotoluene
Concen: 43.191 ng
RT: 13.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 386623

Ion	Ratio	Lower	Upper
165	100		
63	43.9	35.1	52.7
89	48.0	38.4	57.6

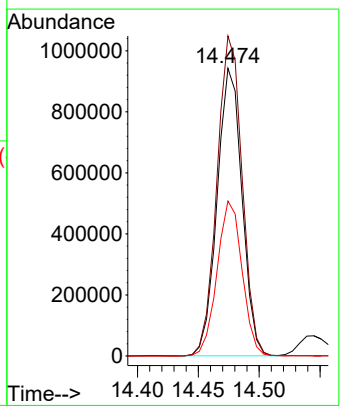


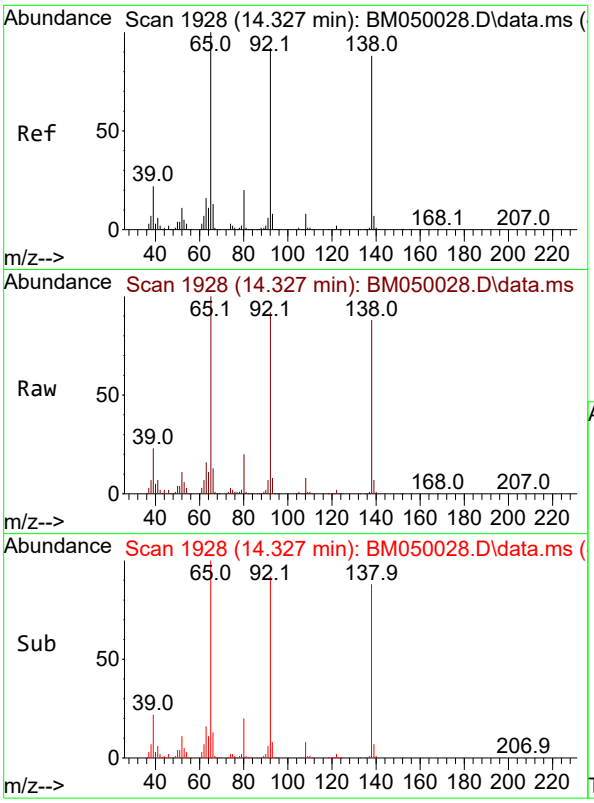


#52
Acenaphthene
Concen: 42.186 ng
RT: 14.474 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:154 Resp: 1340946

Ion	Ratio	Lower	Upper
154	100		
153	111.2	89.0	133.4
152	53.8	43.0	64.6



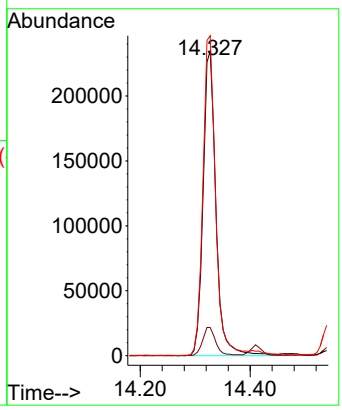


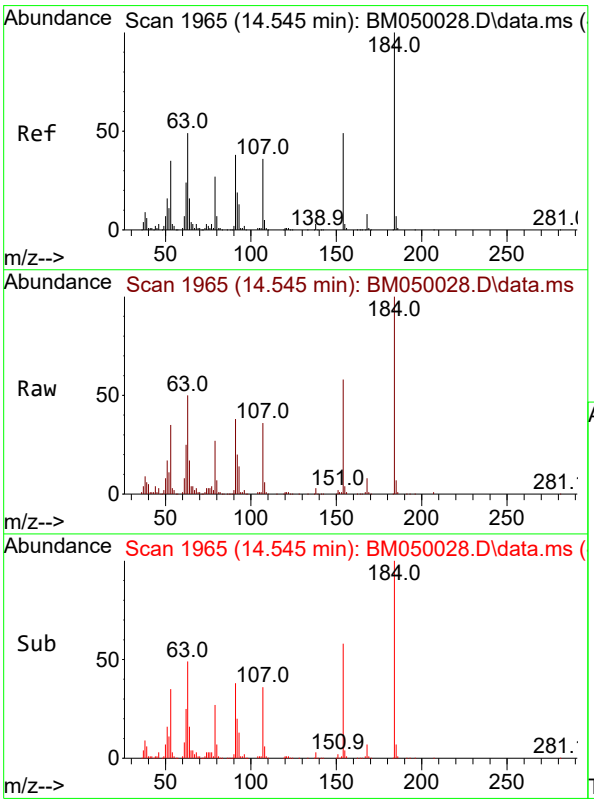
#53
3-Nitroaniline
Concen: 44.389 ng
RT: 14.327 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 379359

Ion	Ratio	Lower	Upper
138	100		
108	9.3	7.4	11.2
92	105.0	84.0	126.0

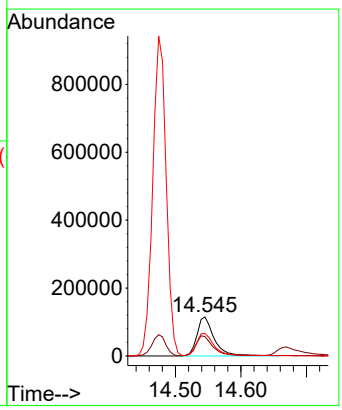


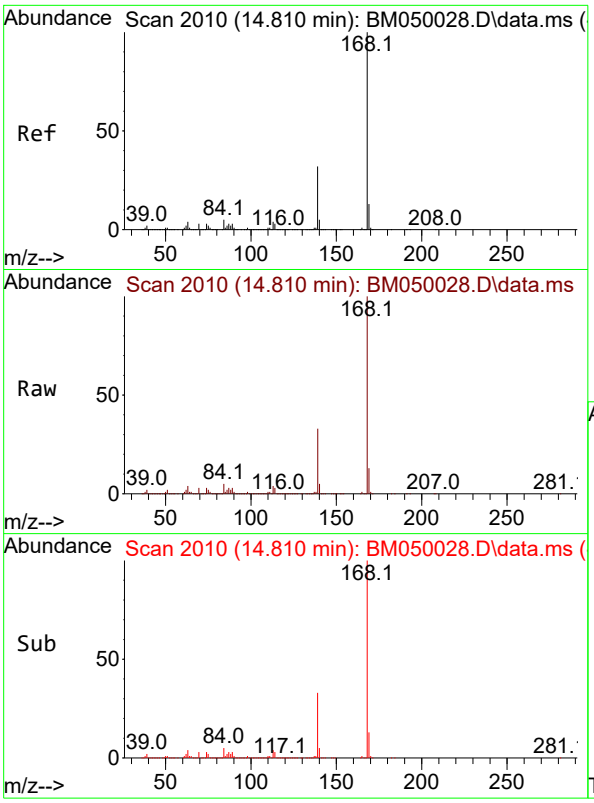


#54
2,4-Dinitrophenol
Concen: 39.788 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:184 Resp: 210115

Ion	Ratio	Lower	Upper
184	100		
63	49.7	39.8	59.6
154	57.6	46.1	69.1



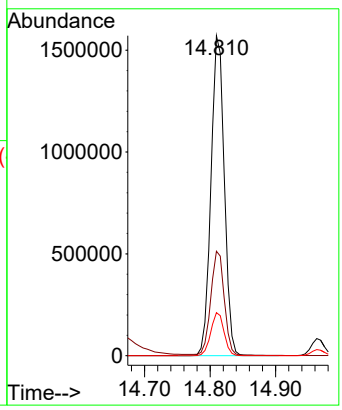


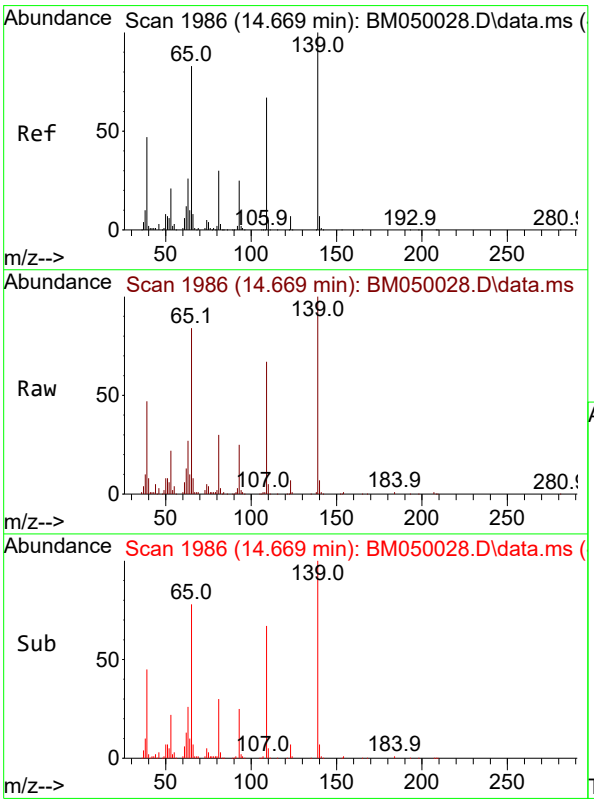
#55
Dibenzofuran
Concen: 41.961 ng
RT: 14.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 2219206

Ion	Ratio	Lower	Upper
168	100		
139	32.6	26.1	39.1
169	13.5	10.8	16.2

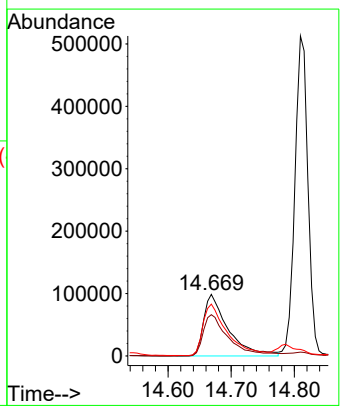


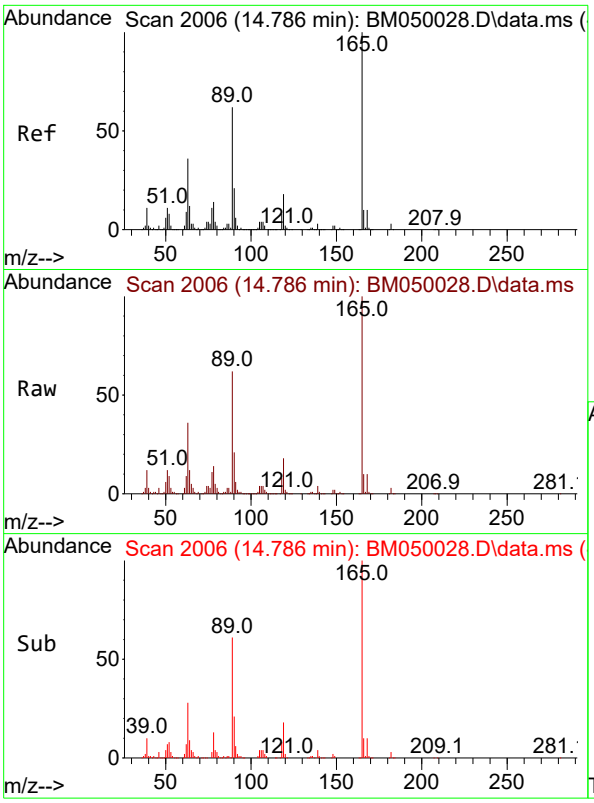


#56
4-Nitrophenol
Concen: 40.483 ng
RT: 14.669 min Scan# 1986
Delta R.T. -0.001 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:139 Resp: 264964

Ion	Ratio	Lower	Upper
139	100		
109	67.0	47.0	87.0
65	84.3	64.3	104.3



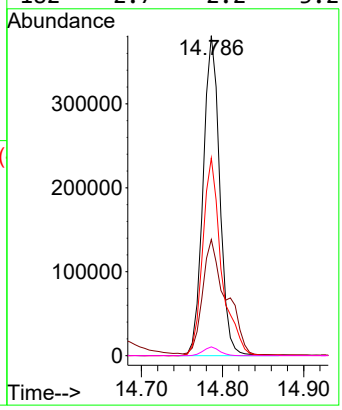


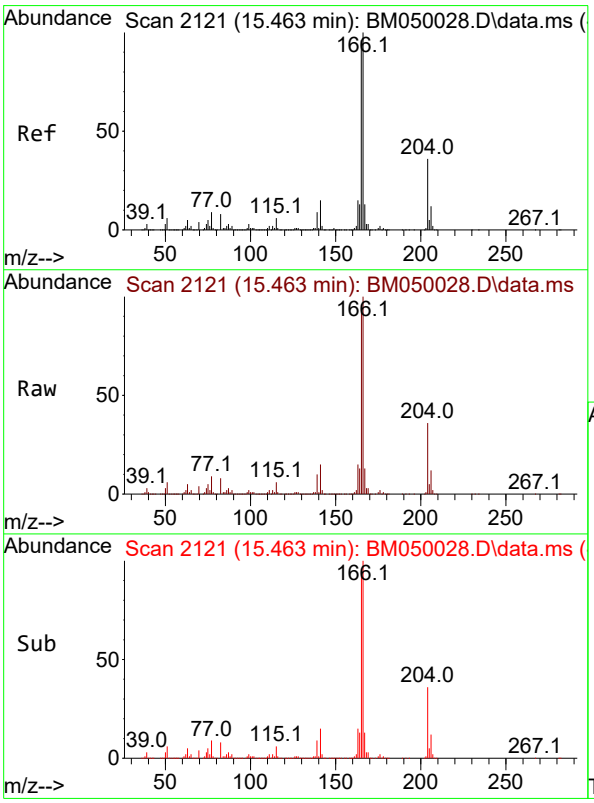
#57
2,4-Dinitrotoluene
Concen: 43.646 ng
RT: 14.786 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 539867

Ion	Ratio	Lower	Upper
165	100		
63	36.3	29.0	43.6
89	61.8	49.4	74.2
182	2.7	2.2	3.2

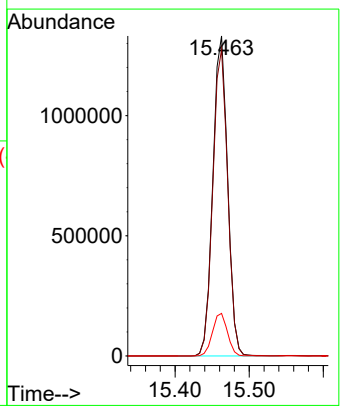


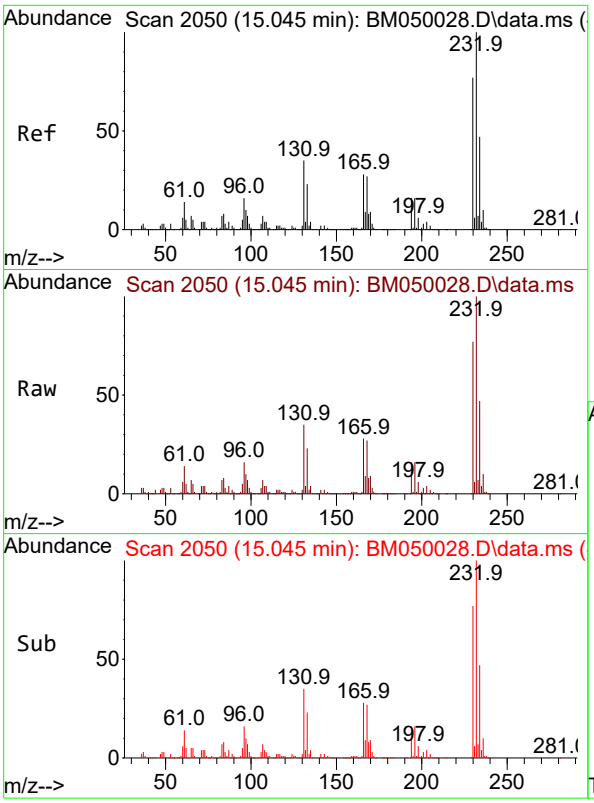


#58
Fluorene
Concen: 42.580 ng
RT: 15.463 min Scan# 2121
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:166 Resp: 1843261

Ion	Ratio	Lower	Upper
166	100		
165	95.8	76.6	115.0
167	13.3	10.6	16.0



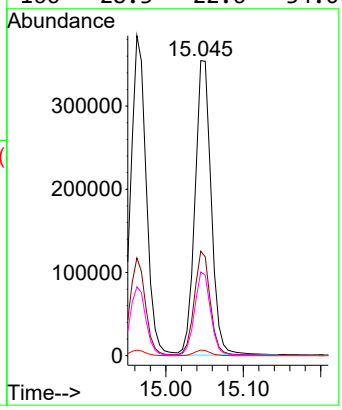


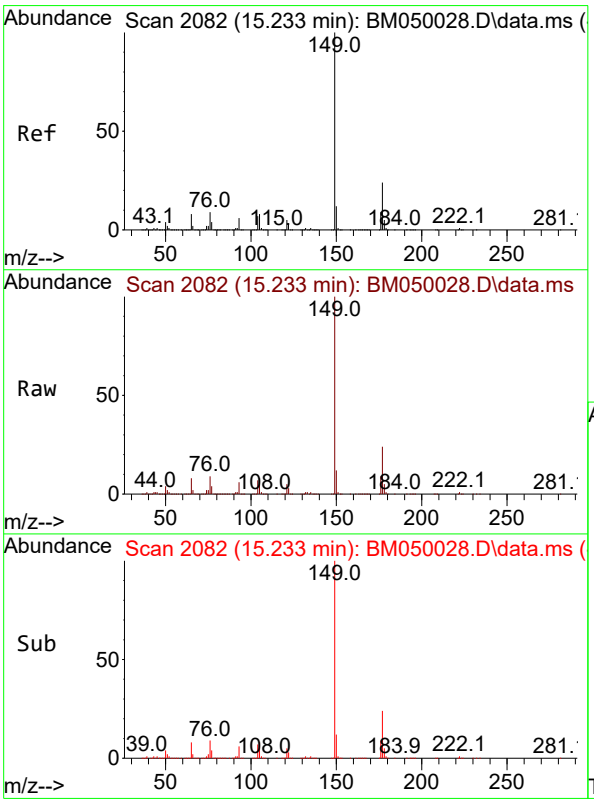
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.446 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 514644

Ion	Ratio	Lower	Upper
232	100		
131	35.3	28.2	42.4
130	1.9	1.5	2.3
166	28.3	22.6	34.0

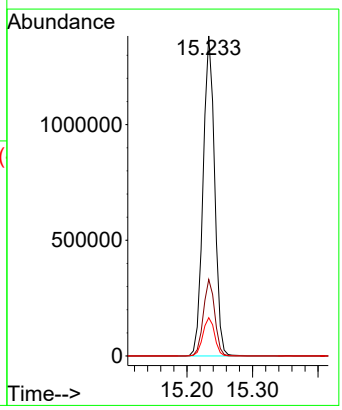


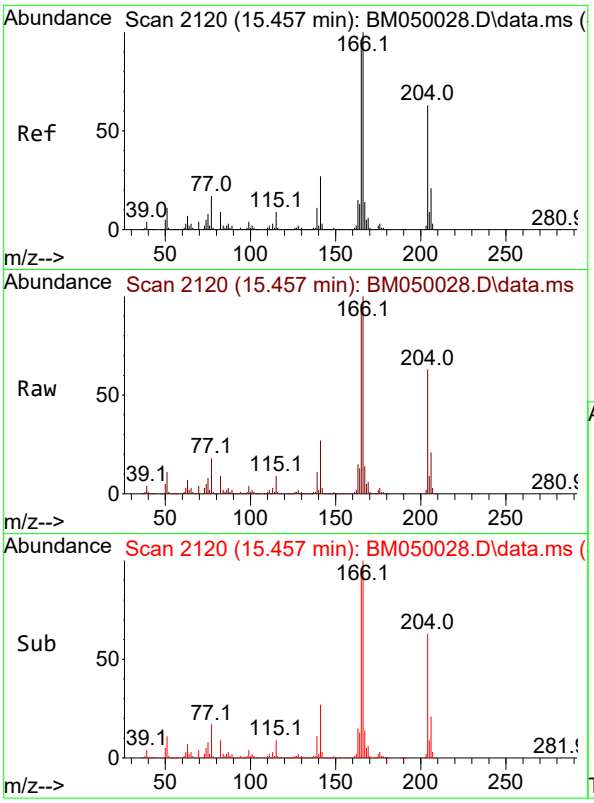


#60
Diethylphthalate
Concen: 41.631 ng
RT: 15.233 min Scan# 2082
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:149 Resp: 1696013

Ion	Ratio	Lower	Upper
149	100		
177	23.9	19.1	28.7
150	12.0	9.6	14.4



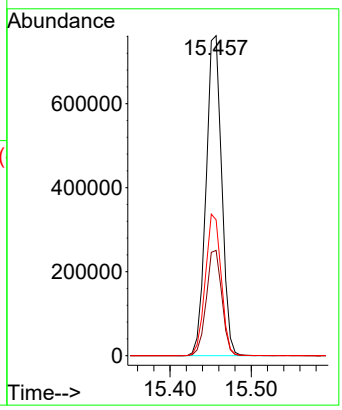


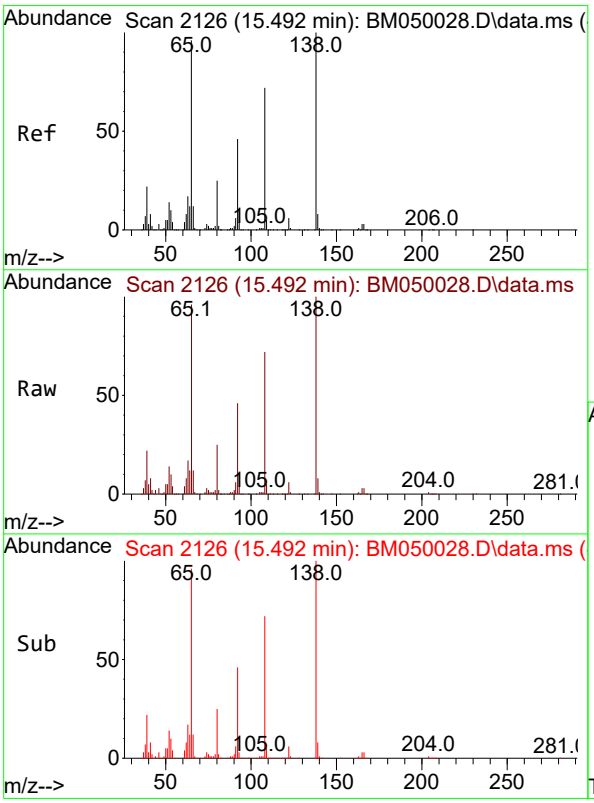
#61
4-Chlorophenyl-phenylether
Concen: 42.652 ng
RT: 15.457 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 1014134

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.3	39.5
141	42.5	34.0	51.0

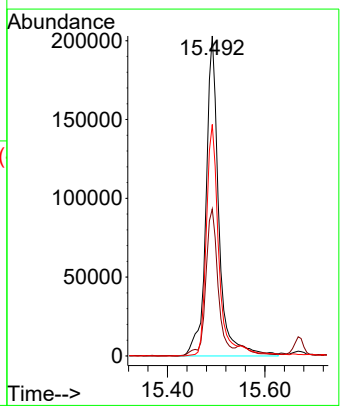


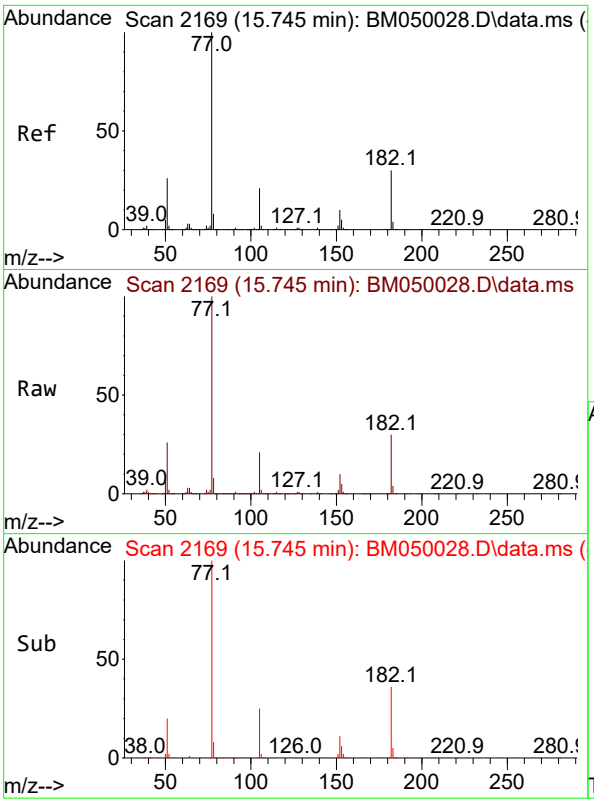


#62
4-Nitroaniline
Concen: 44.949 ng
RT: 15.492 min Scan# 2126
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:138 Resp: 370884

Ion	Ratio	Lower	Upper
138	100		
92	45.9	25.9	65.9
108	72.4	52.4	92.4



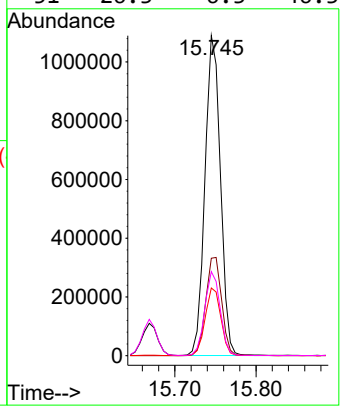


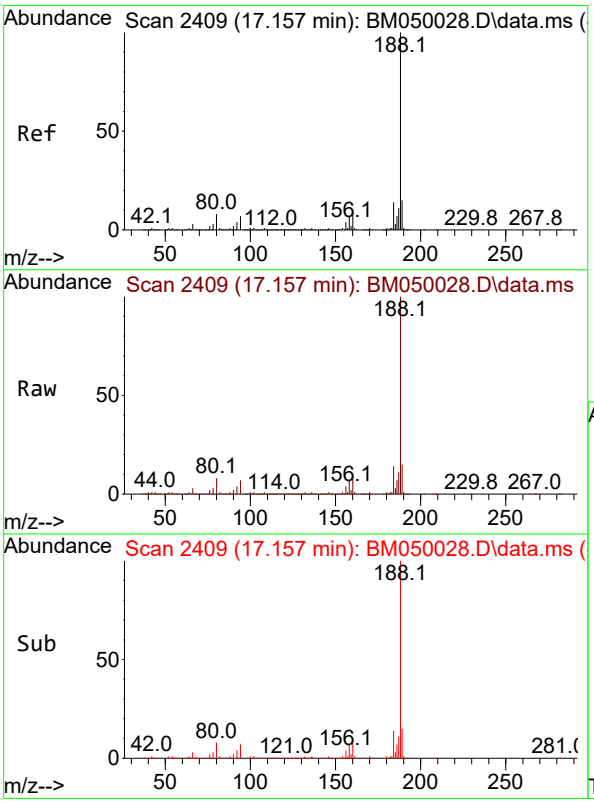
#63
Azobenzene
Concen: 42.150 ng
RT: 15.745 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 1439085

Ion	Ratio	Lower	Upper
77	100		
182	30.5	10.5	50.5
105	21.1	1.1	41.1
51	26.3	6.3	46.3

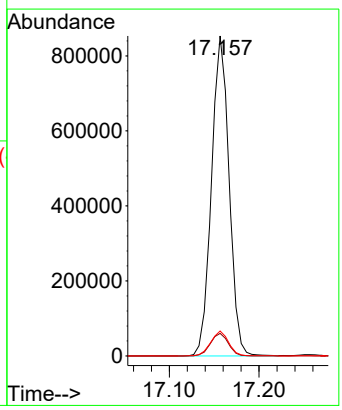


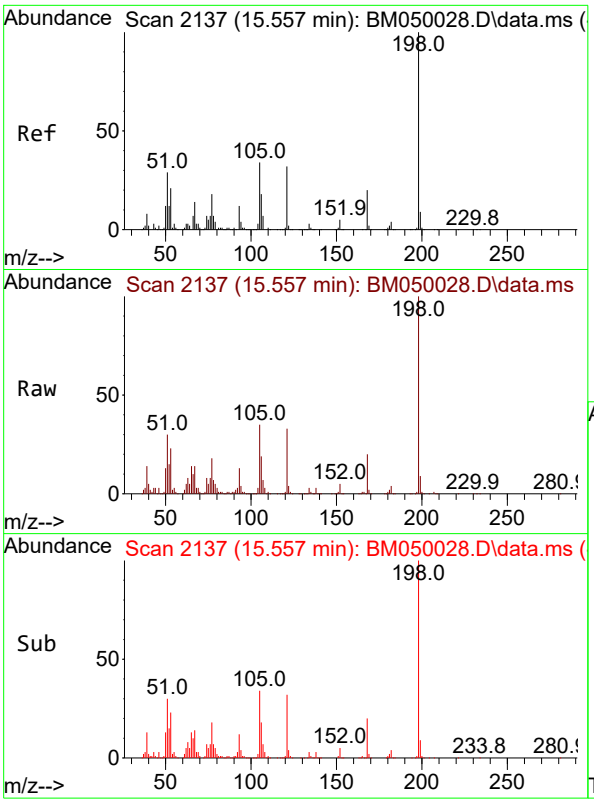


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:188 Resp: 1163791

Ion	Ratio	Lower	Upper
188	100		
94	7.1	5.7	8.5
80	7.8	6.2	9.4



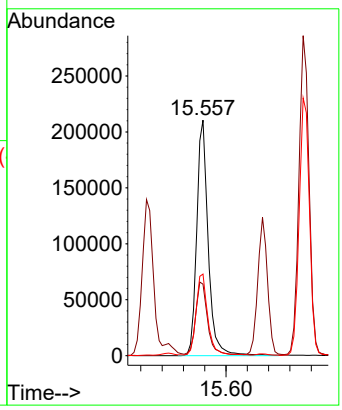


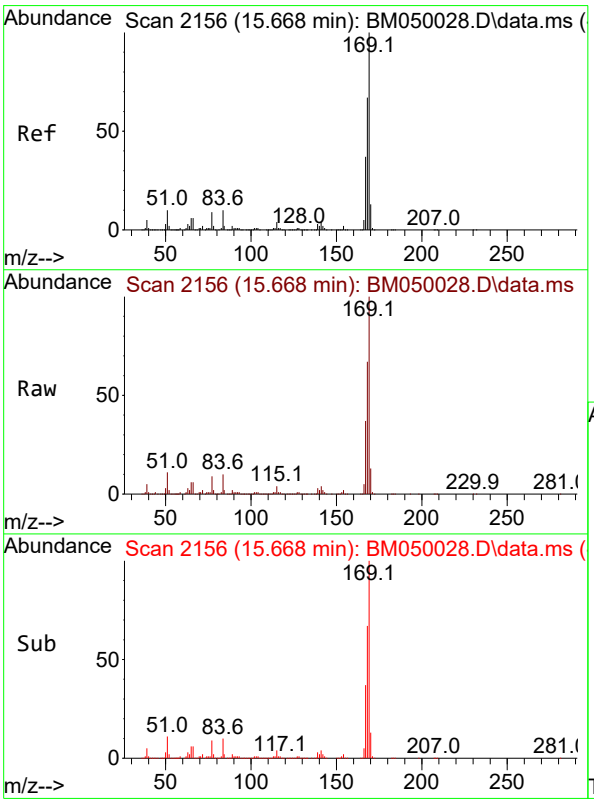
#65
4,6-Dinitro-2-methylphenol
Concen: 43.256 ng
RT: 15.557 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 315113

Ion	Ratio	Lower	Upper
198	100		
51	30.4	10.4	50.4
105	34.6	14.6	54.6

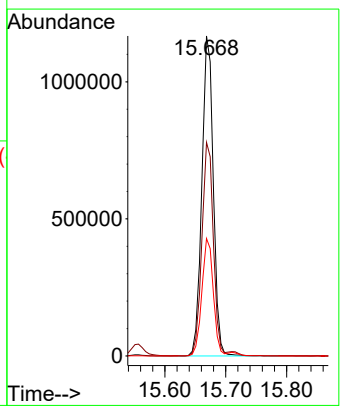


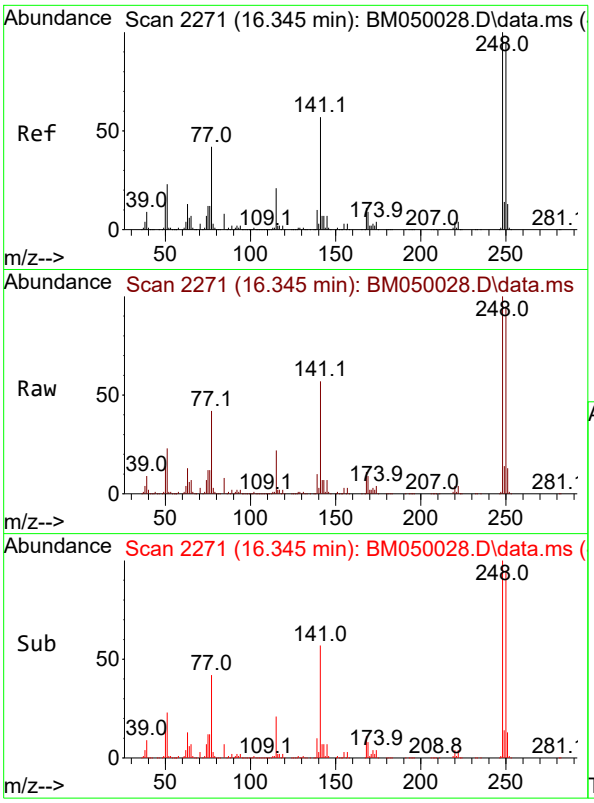


#66
n-Nitrosodiphenylamine
Concen: 42.678 ng
RT: 15.668 min Scan# 2156
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:169 Resp: 1525193

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.4	80.2
167	36.7	29.4	44.0



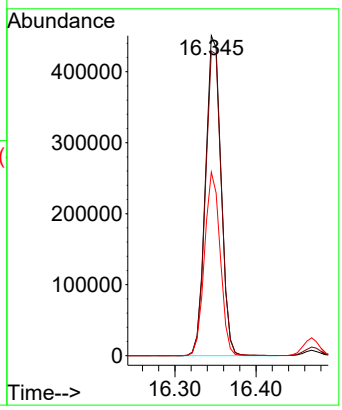


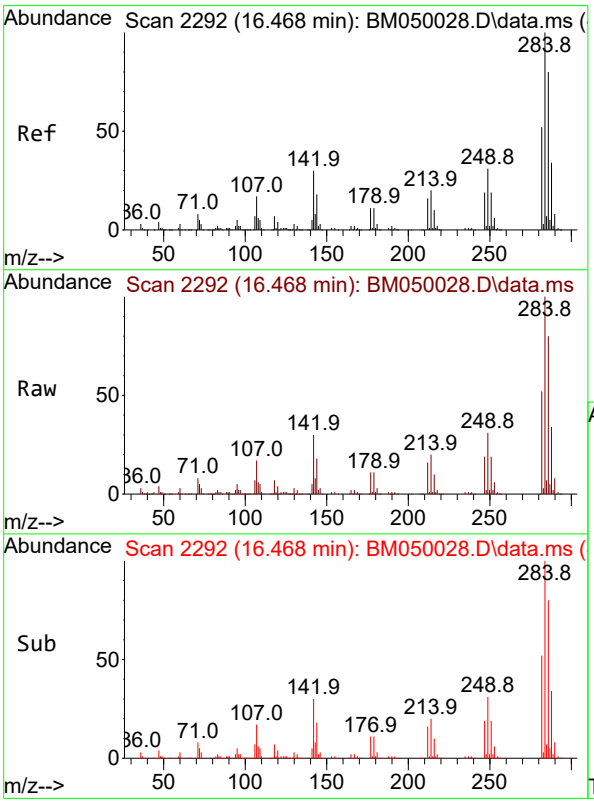
#67
4-Bromophenyl-phenylether
Concen: 42.660 ng
RT: 16.345 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 600373

Ion	Ratio	Lower	Upper
248	100		
250	95.2	76.2	114.2
141	57.4	45.9	68.9

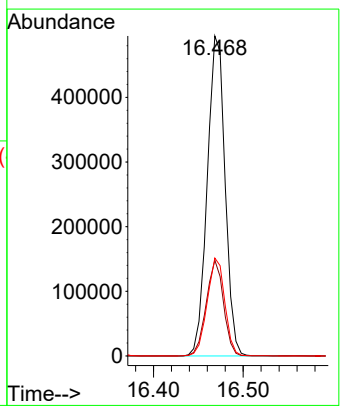


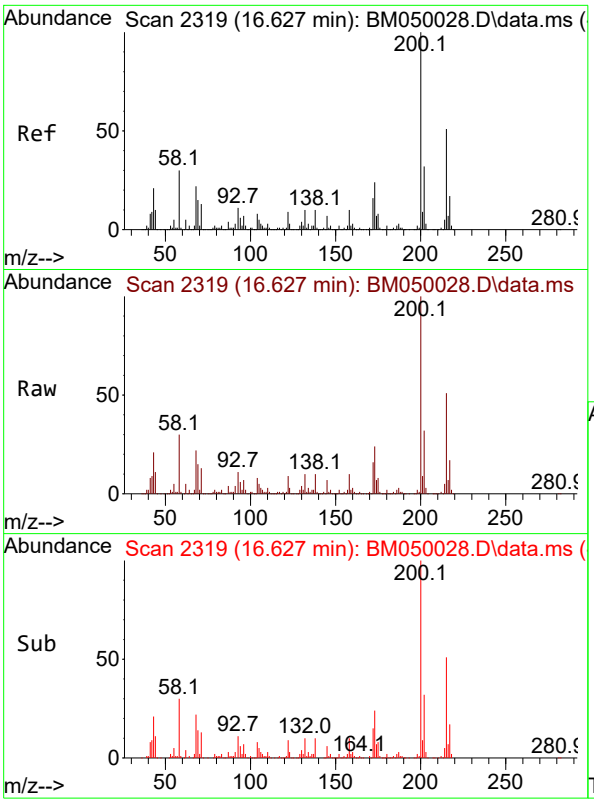


#68
Hexachlorobenzene
Concen: 42.122 ng
RT: 16.468 min Scan# 2292
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:284 Resp: 683325

Ion	Ratio	Lower	Upper
284	100		
142	29.9	23.9	35.9
249	30.6	24.5	36.7



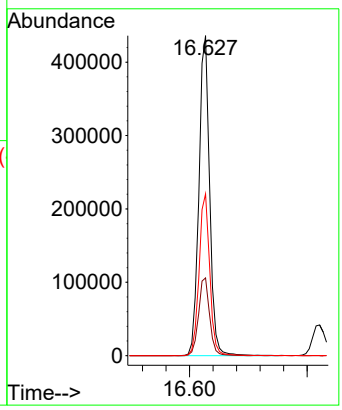


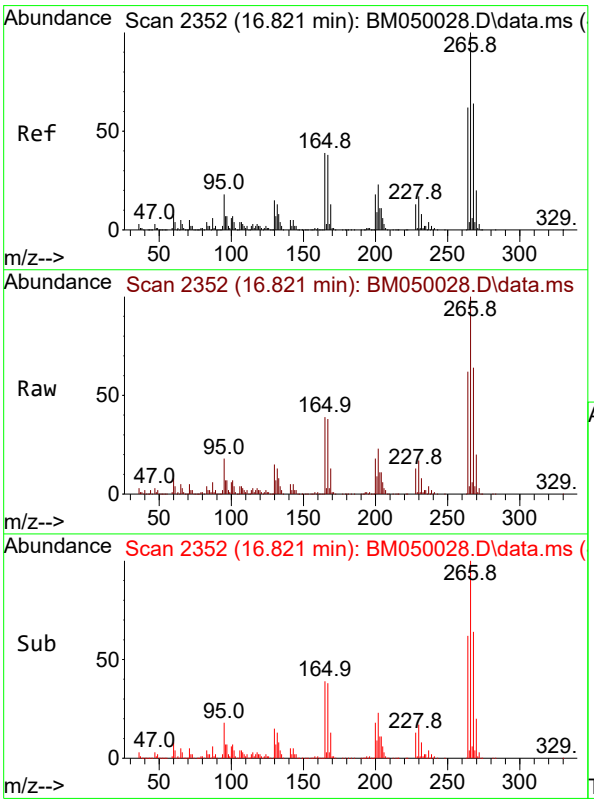
#69
Atrazine
Concen: 42.668 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 550018

Ion	Ratio	Lower	Upper
200	100		
173	24.3	4.3	44.3
215	50.6	30.6	70.6

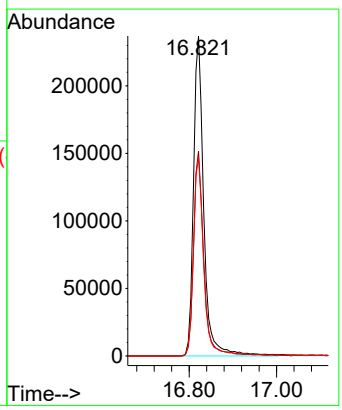


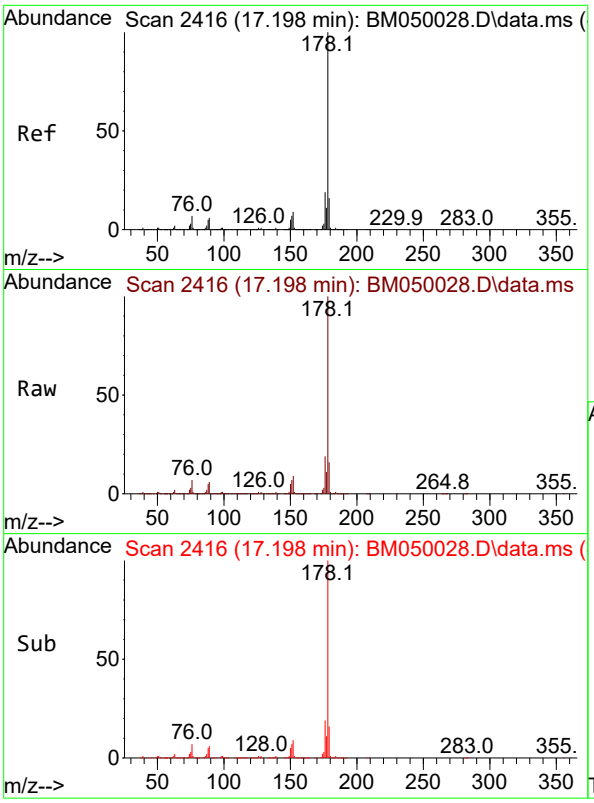


#70
Pentachlorophenol
Concen: 42.448 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:266 Resp: 387613

Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.2	76.8
264	62.0	49.6	74.4



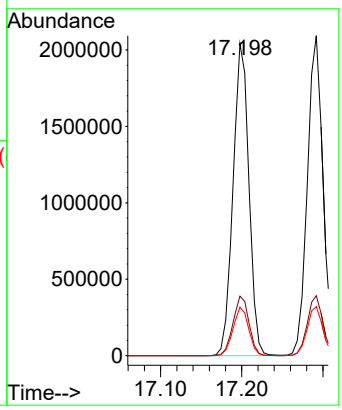


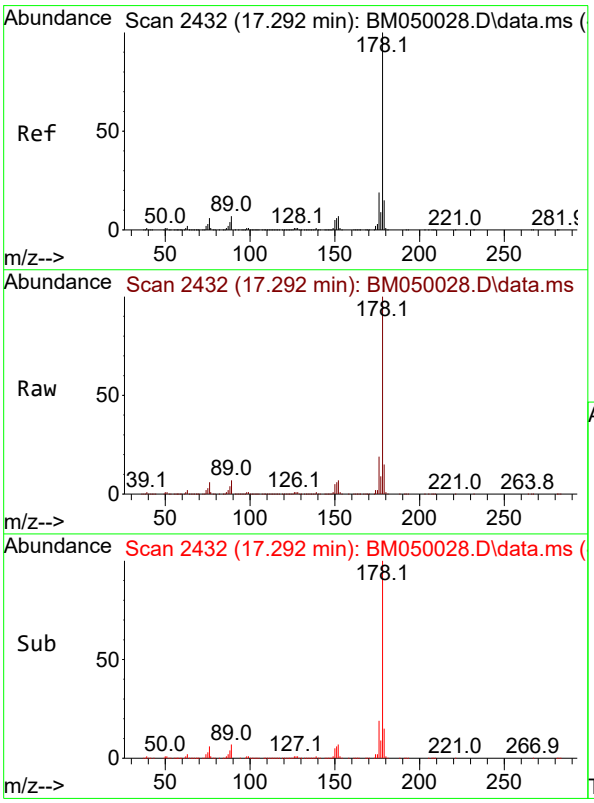
#71
Phenanthrene
Concen: 42.082 ng
RT: 17.198 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 2762249

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.5	12.4	18.6

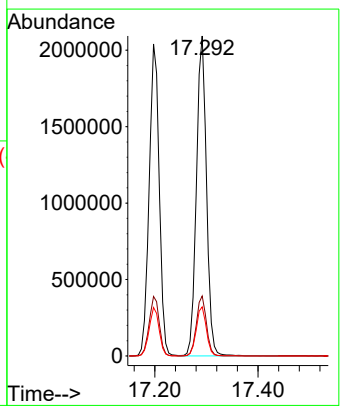


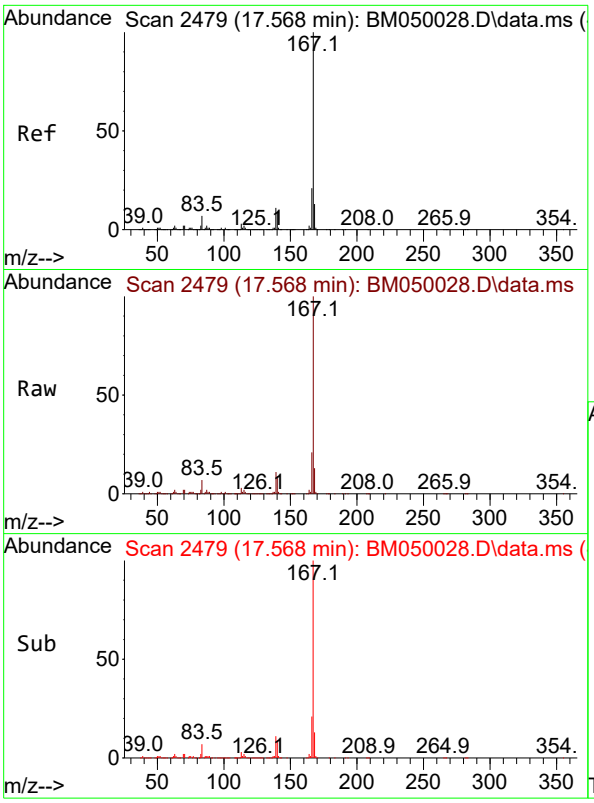


#72
Anthracene
Concen: 42.525 ng
RT: 17.292 min Scan# 2432
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:178 Resp: 2824805

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.3	12.2	18.4



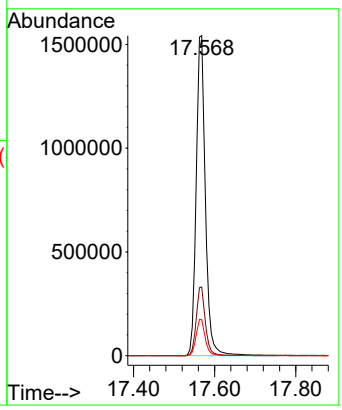


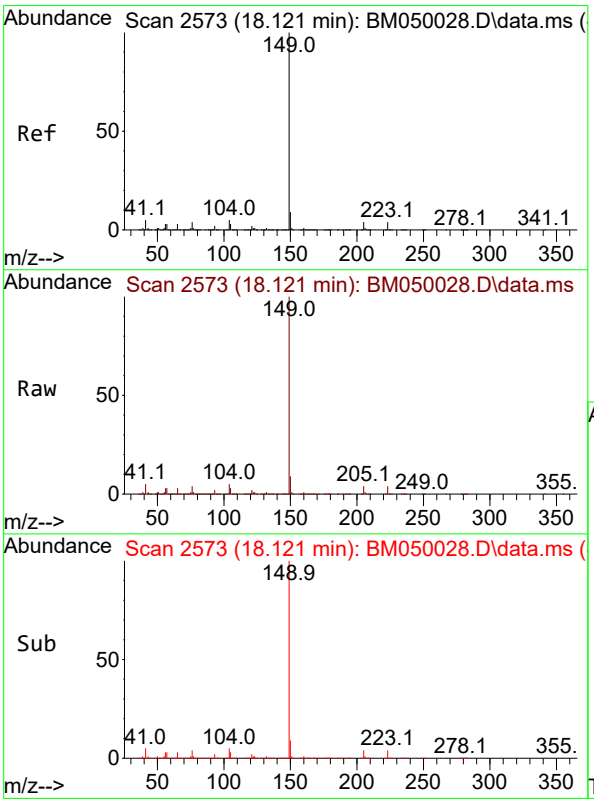
#73
Carbazole
Concen: 42.547 ng
RT: 17.568 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 2452474

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.2	25.8
139	11.3	9.0	13.6

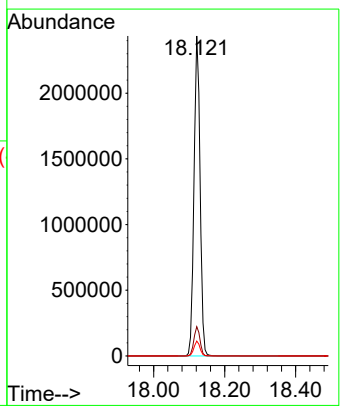


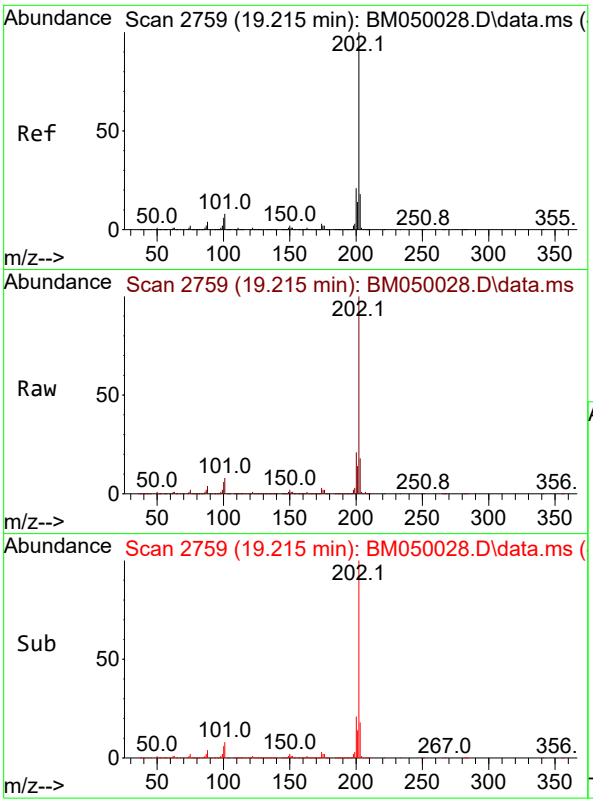


#74
Di-n-butylphthalate
Concen: 42.239 ng
RT: 18.121 min Scan# 2573
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:149 Resp: 2899479

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.7	3.8	5.6



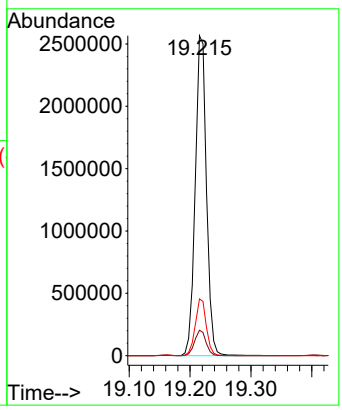


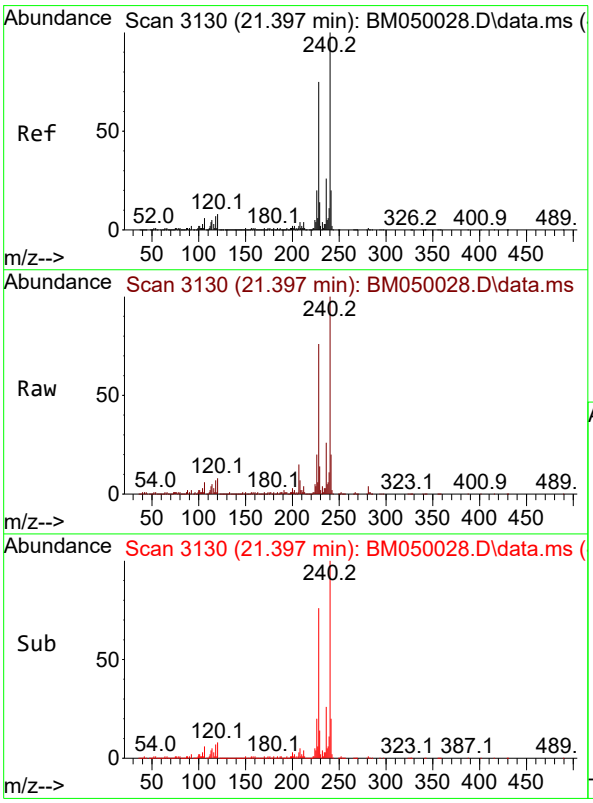
#75
Fluoranthene
Concen: 42.598 ng
RT: 19.215 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 3282789

Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	28.0
203	17.7	0.0	37.7

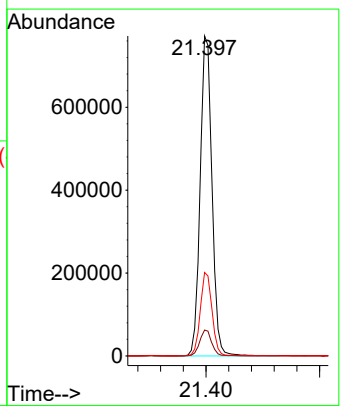


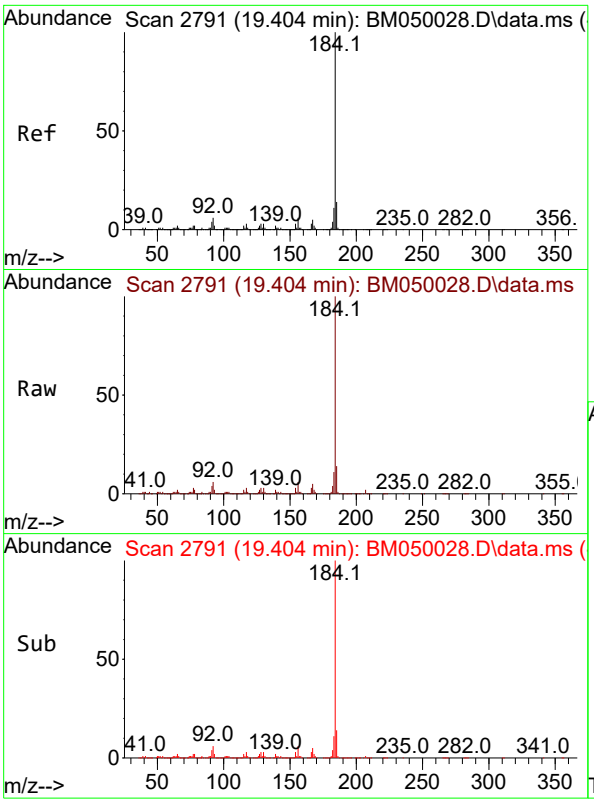


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:240 Resp: 1114654

Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.5	9.7
236	26.1	20.9	31.3



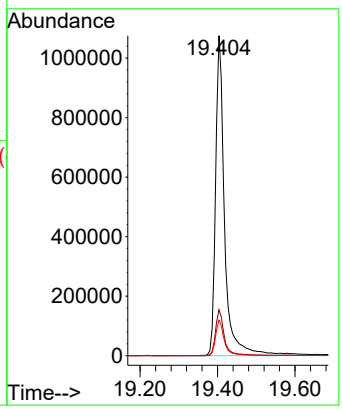


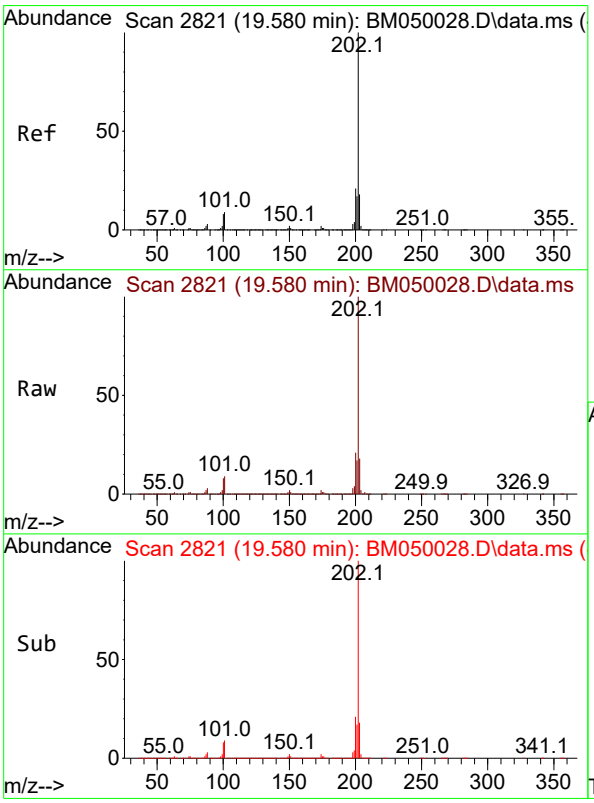
#77
Benzidine
Concen: 43.446 ng
RT: 19.404 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 1720168

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	11.1	8.9	13.3

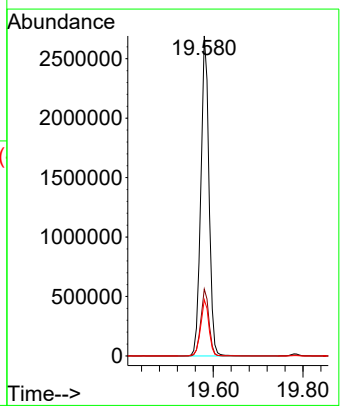


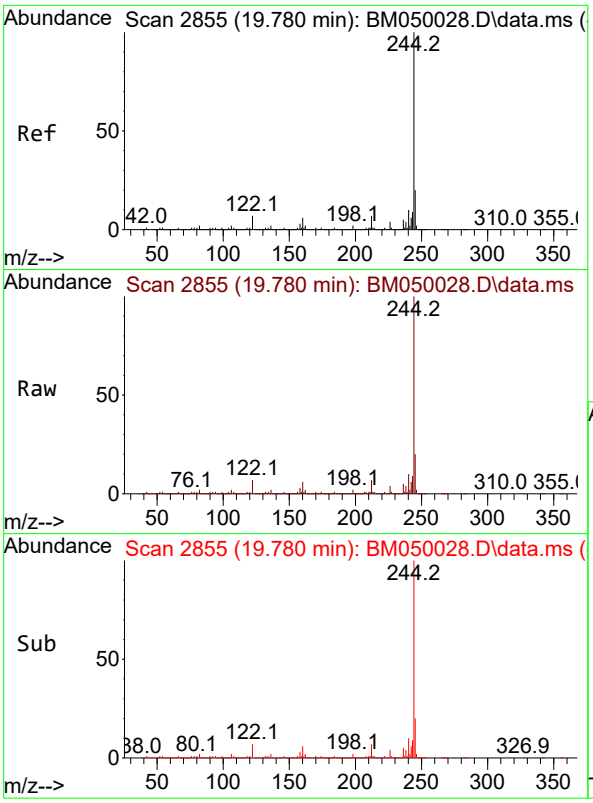


#78
Pyrene
Concen: 43.220 ng
RT: 19.580 min Scan# 2821
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:202 Resp: 3383053

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.6	14.1	21.1



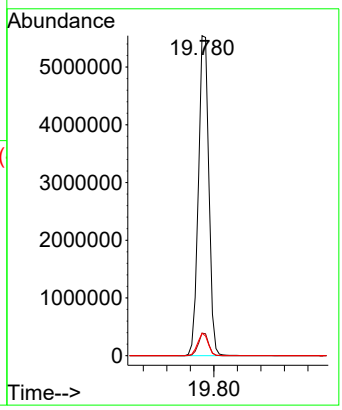


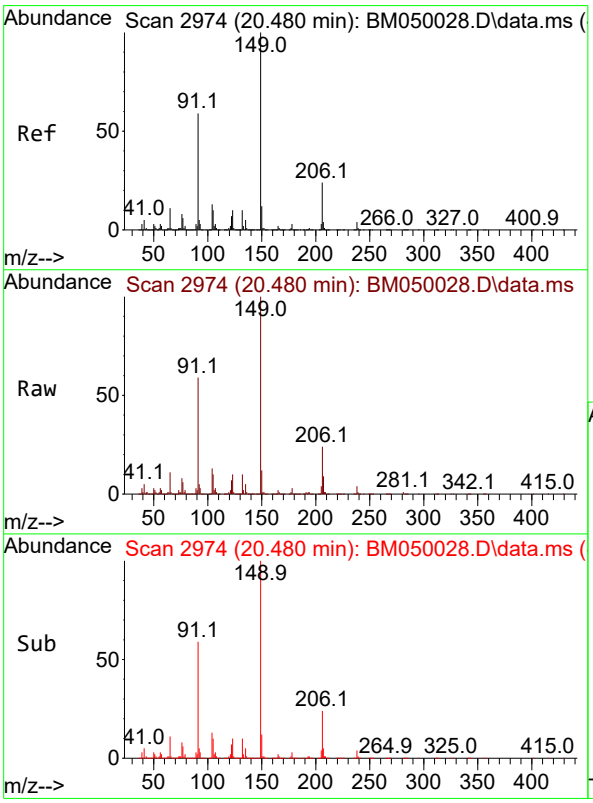
#79
Terphenyl-d14
Concen: 90.233 ng
RT: 19.780 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 6797031

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	7.0	5.6	8.4

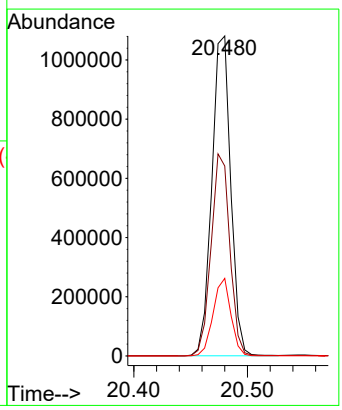


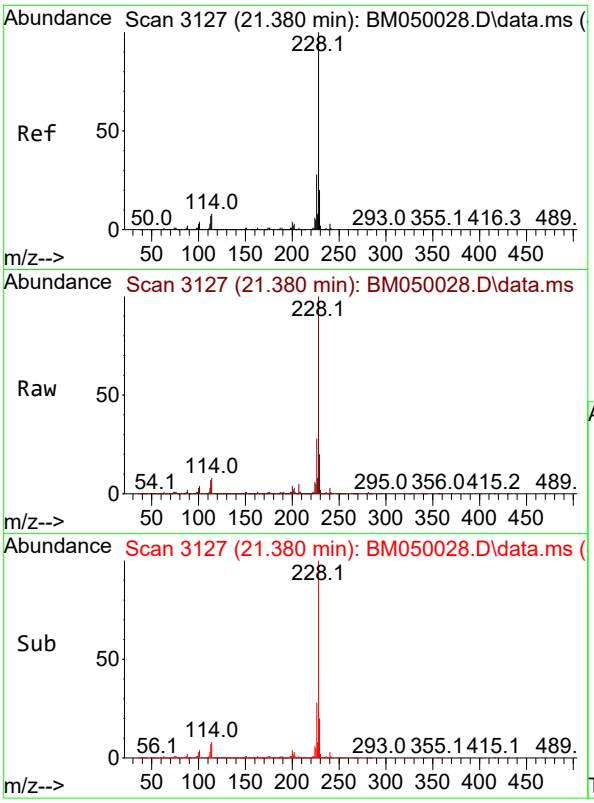


#80
Butylbenzylphthalate
Concen: 42.704 ng
RT: 20.480 min Scan# 2974
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:149 Resp: 1251950

Ion	Ratio	Lower	Upper
149	100		
91	59.3	47.4	71.2
206	24.2	19.4	29.0



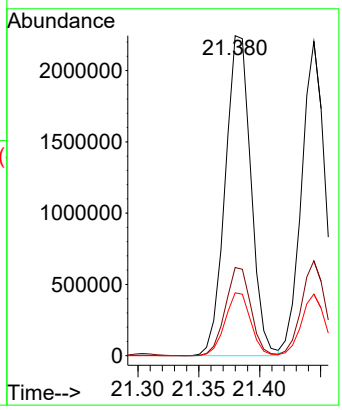


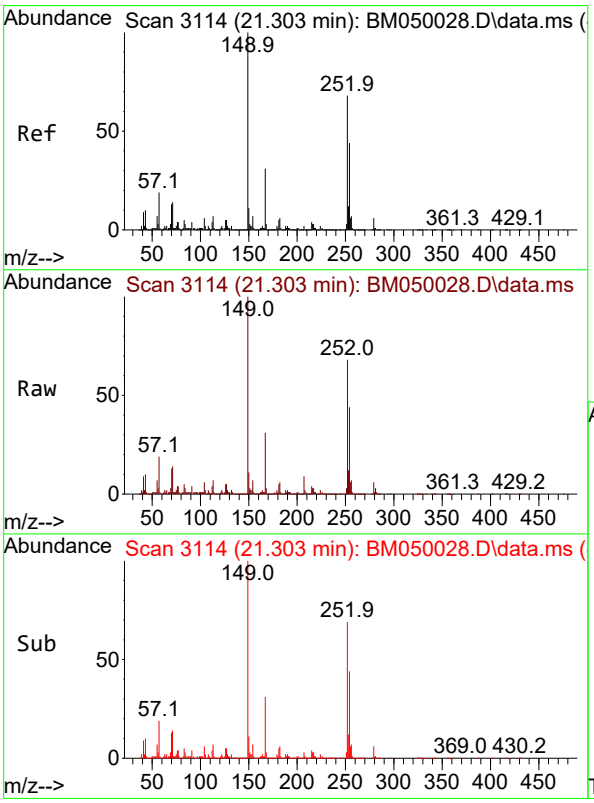
#81
Benzo(a)anthracene
Concen: 42.935 ng
RT: 21.380 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 3295625

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	19.6	15.7	23.5

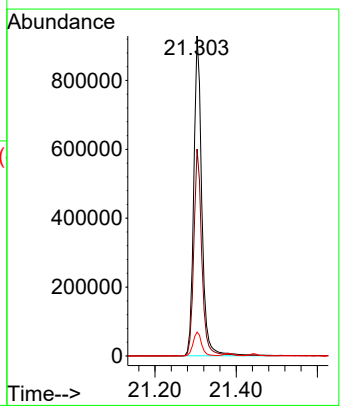


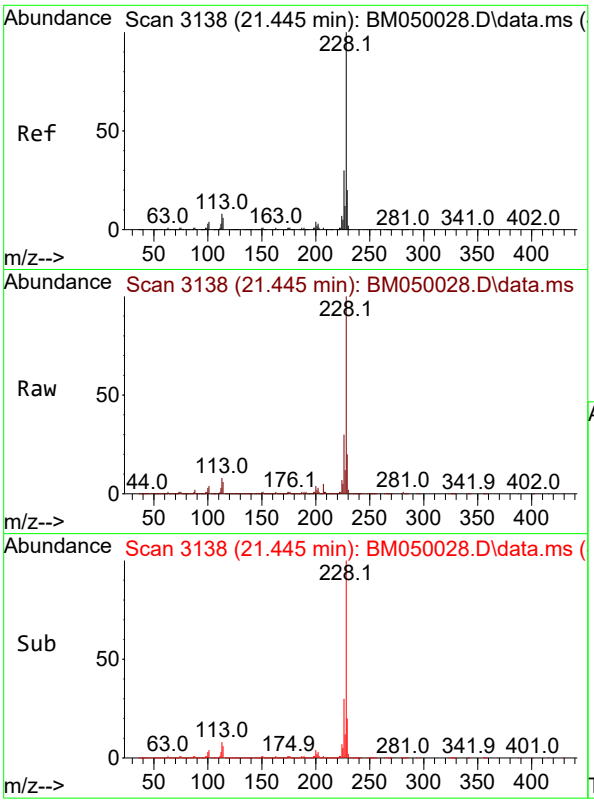


#82
3,3'-Dichlorobenzidine
Concen: 43.991 ng
RT: 21.303 min Scan# 3114
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:252 Resp: 1292611

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.8	77.6
126	7.5	6.0	9.0



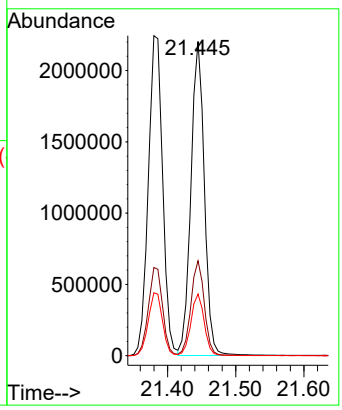


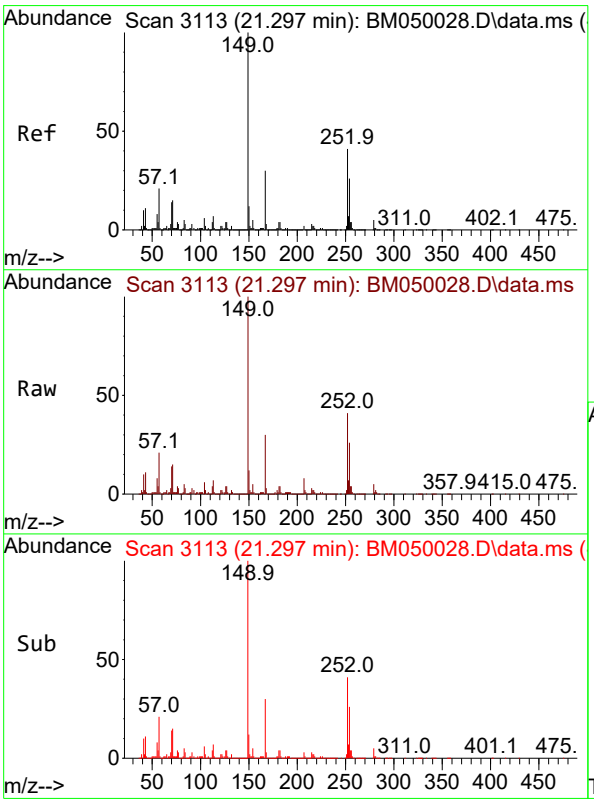
#83
Chrysene
Concen: 42.127 ng
RT: 21.445 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 2992790

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.2
229	19.6	15.7	23.5

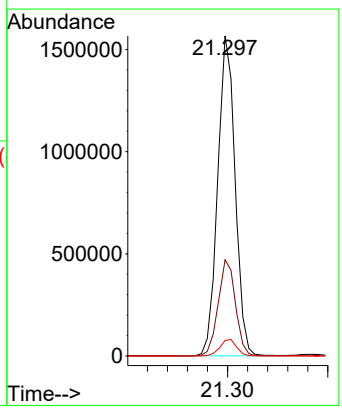


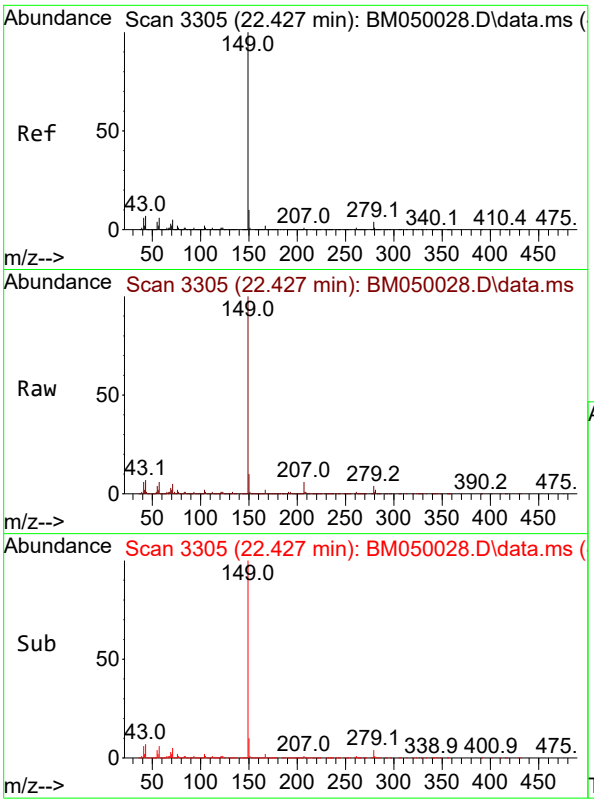


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.895 ng
RT: 21.297 min Scan# 3113
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:149 Resp: 1878368

Ion	Ratio	Lower	Upper
149	100		
167	30.1	24.1	36.1
279	4.9	3.9	5.9



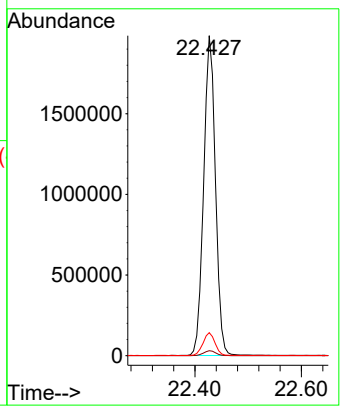


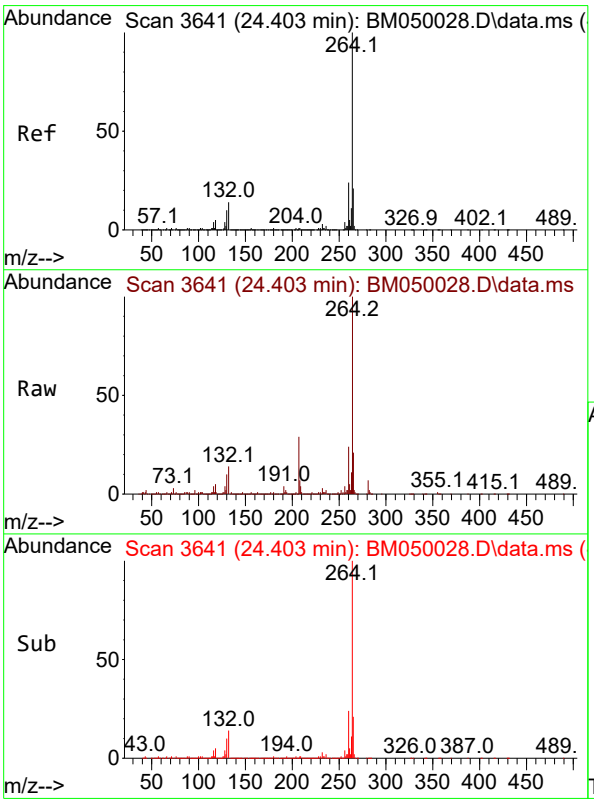
#85
Di-n-octyl phthalate
Concen: 42.160 ng
RT: 22.427 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 3044578

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.3	5.8	8.8

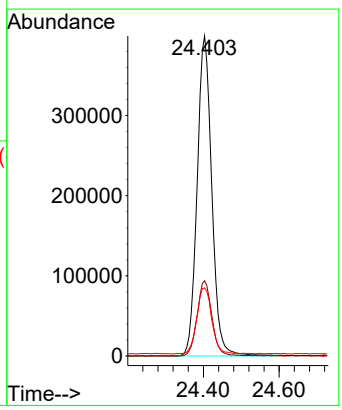


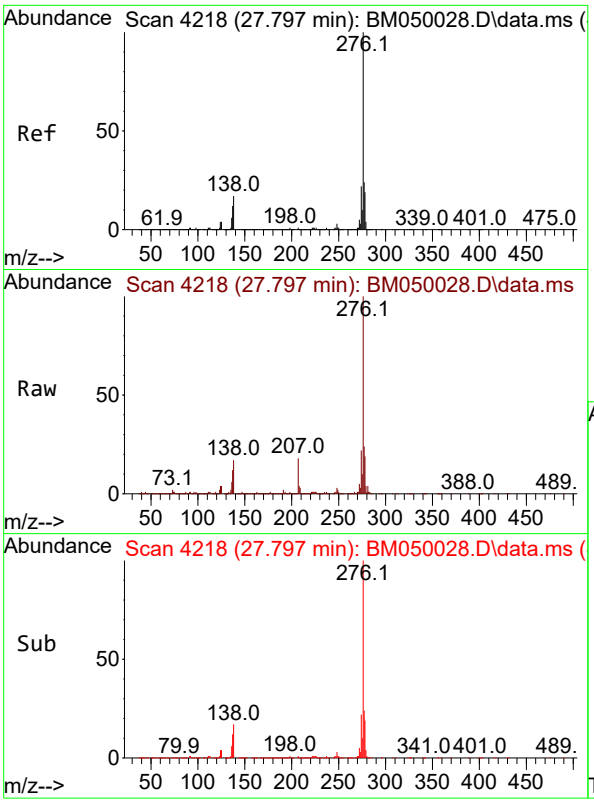


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:264 Resp: 1072526

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.8	28.2
265	21.2	17.0	25.4



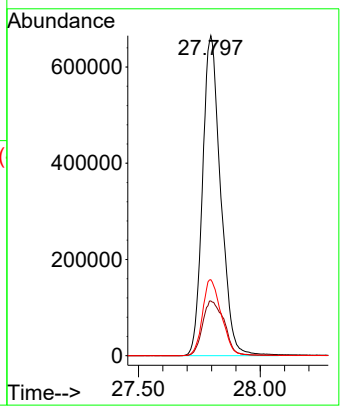


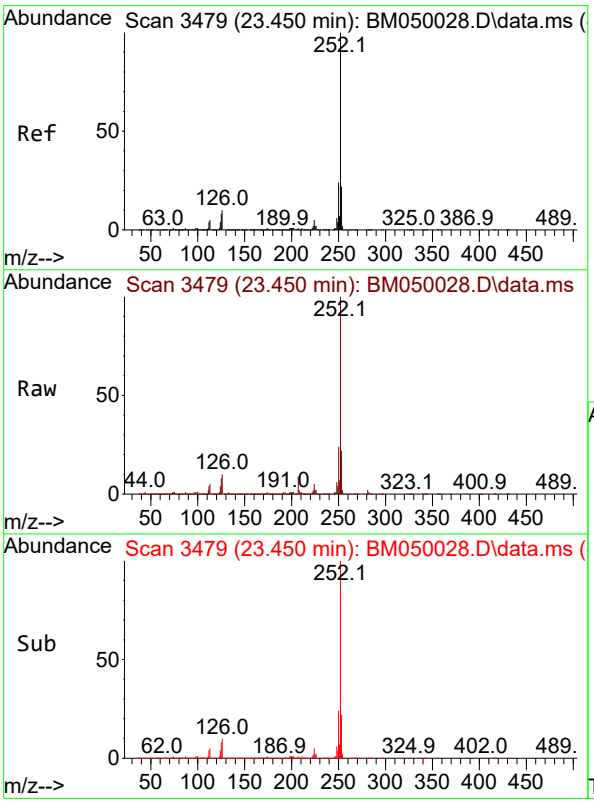
#87
Indeno(1,2,3-cd)pyrene
Concen: 42.991 ng
RT: 27.797 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 3435665

Ion	Ratio	Lower	Upper
276	100		
138	20.5	16.4	24.6
277	24.8	19.8	29.8

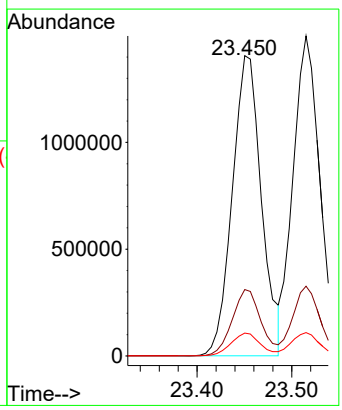


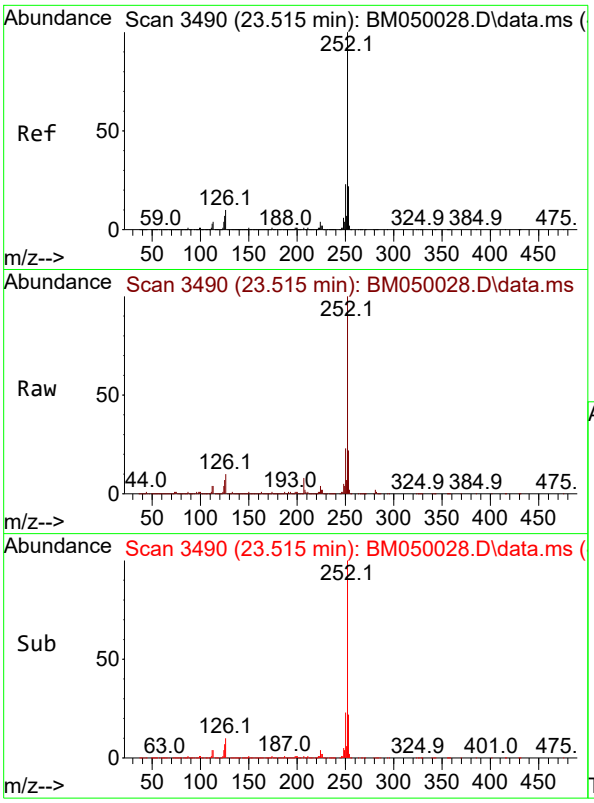


#88
Benzo(b)fluoranthene
Concen: 43.243 ng
RT: 23.450 min Scan# 3479
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:252 Resp: 3016197

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	7.6	6.1	9.1



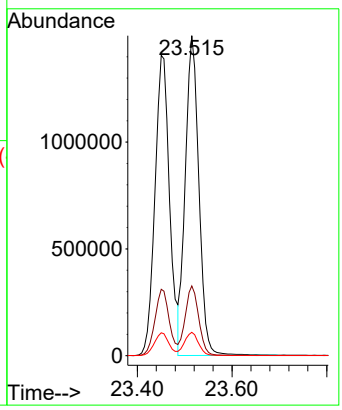


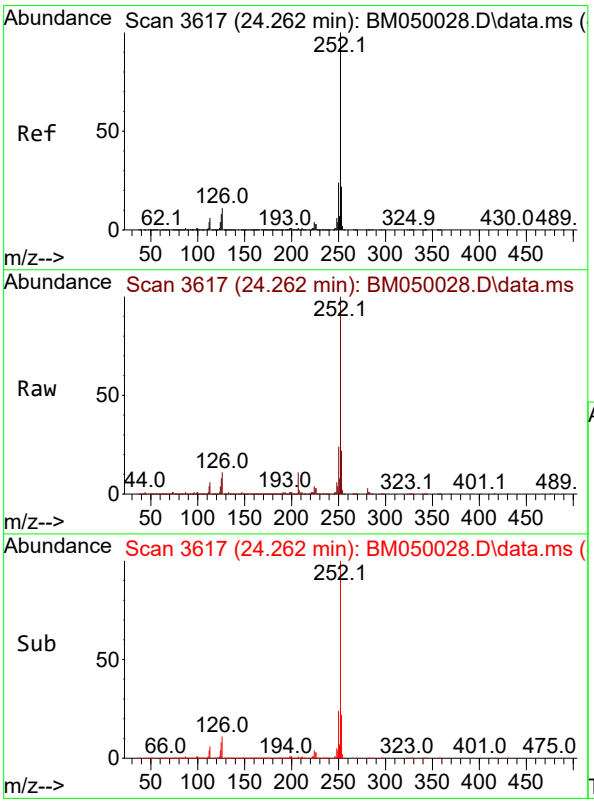
#89
Benzo(k)fluoranthene
Concen: 42.155 ng
RT: 23.515 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 2974903

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	7.3	5.8	8.8

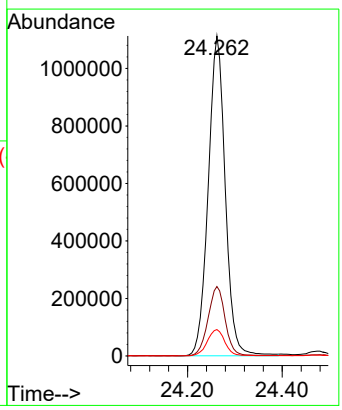


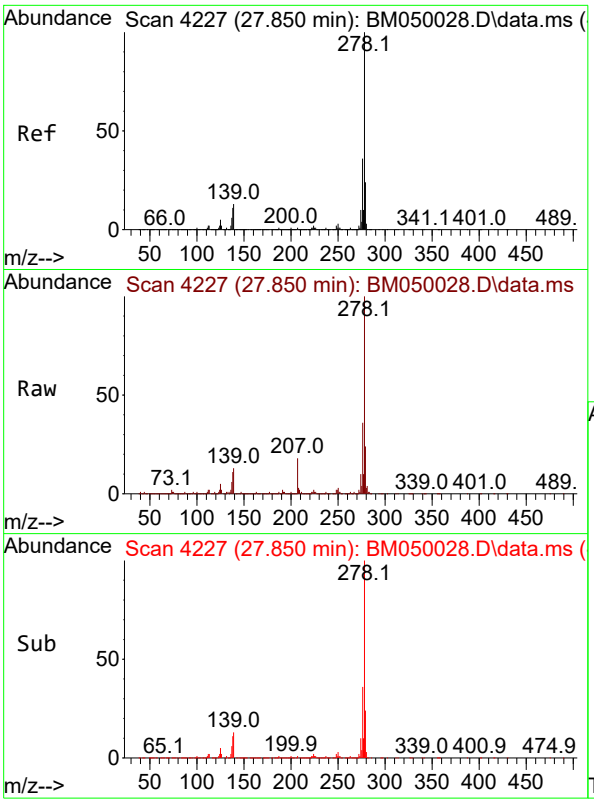


#90
Benzo(a)pyrene
Concen: 42.519 ng
RT: 24.262 min Scan# 3617
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:252 Resp: 2777683

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	8.2	6.6	9.8



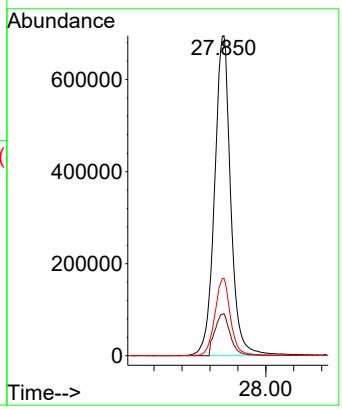


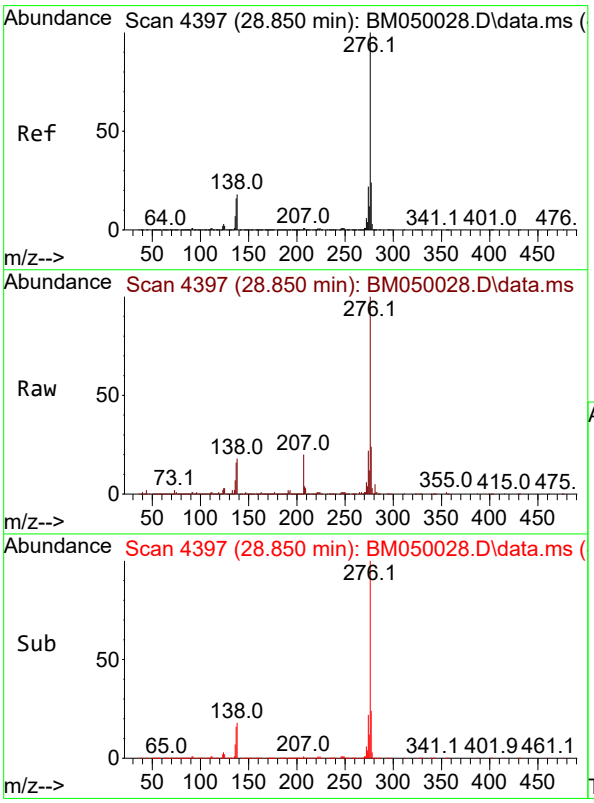
#91
Dibenzo(a,h)anthracene
Concen: 42.796 ng
RT: 27.850 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 2787948

Ion	Ratio	Lower	Upper
278	100		
139	13.1	10.5	15.7
279	24.2	19.4	29.0

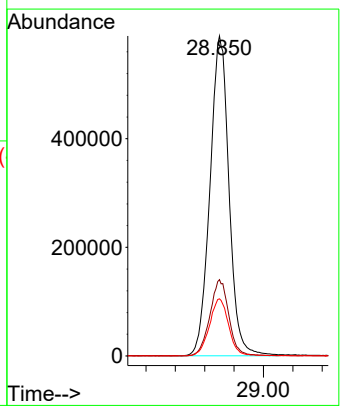




#92
Benzo(g,h,i)perylene
Concen: 42.508 ng
RT: 28.850 min Scan# 4397
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:276 Resp: 2651145

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	17.9	14.3	21.5



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050029.D
Acq On : 28 Apr 2025 15:45
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Apr 28 17:57:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	228207	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	837552	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	554448	20.000	ng	0.00
64) Phenanthrene-d10	17.156	188	1105769	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1097646	20.000	ng	0.00
86) Perylene-d12	24.397	264	1061511	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1382138	106.054	ng	0.00
7) Phenol-d6	6.951	99	1754123	107.089	ng	0.00
23) Nitrobenzene-d5	8.928	82	1811208	106.560	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	911669	111.203	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	5051261	107.775	ng	0.00
79) Terphenyl-d14	19.780	244	8457811	114.020	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.251	88	287618	51.472	ng	100
3) Pyridine	3.657	79	757569	52.766	ng	99
4) n-Nitrosodimethylamine	3.563	42	295491	52.476	ng	100
6) Aniline	7.098	93	1096746	53.024	ng	99
8) 2-Chlorophenol	7.339	128	742074	52.664	ng	100
9) Benzaldehyde	6.910	77	577740	52.770	ng	99
10) Phenol	6.981	94	877155	52.897	ng	98
11) bis(2-Chloroethyl)ether	7.192	93	725268	52.379	ng	99
12) 1,3-Dichlorobenzene	7.657	146	885183	52.004	ng	100
13) 1,4-Dichlorobenzene	7.804	146	888114	51.937	ng	100
14) 1,2-Dichlorobenzene	8.122	146	859475	52.033	ng	99
15) Benzyl Alcohol	8.016	79	612811	53.947	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.292	45	863443	51.300	ng	99
17) 2-Methylphenol	8.228	107	585120	53.563	ng	99
18) Hexachloroethane	8.845	117	312710	51.444	ng	98
19) n-Nitroso-di-n-propyla...	8.575	70	563847	53.672	ng	100
20) 3+4-Methylphenols	8.551	107	794422	53.851	ng	98
22) Acetophenone	8.592	105	1100024	52.827	ng	99
24) Nitrobenzene	8.969	77	779215	53.020	ng	99
25) Isophorone	9.498	82	1526436	52.685	ng	100
26) 2-Nitrophenol	9.680	139	415316	55.315	ng	99
27) 2,4-Dimethylphenol	9.751	122	674547	54.175	ng	100
28) bis(2-Chloroethoxy)met...	9.975	93	946285	52.843	ng	100
29) 2,4-Dichlorophenol	10.227	162	751117	53.847	ng	99
30) 1,2,4-Trichlorobenzene	10.427	180	891501	52.457	ng	98
31) Naphthalene	10.610	128	2214025	52.198	ng	100
32) Benzoic acid	9.922	122	431557	54.343	ng	98
33) 4-Chloroaniline	10.727	127	937309	53.913	ng	99
34) Hexachlorobutadiene	10.898	225	566049	52.471	ng	99
35) Caprolactam	11.522	113	218572	53.741	ng	92
36) 4-Chloro-3-methylphenol	11.869	107	688099	53.394	ng	98
37) 2-Methylnaphthalene	12.227	142	1494348	52.548	ng	99
38) 1-Methylnaphthalene	12.445	142	1572248	52.243	ng	99
40) 1,2,4,5-Tetrachloroben...	12.604	216	1033027	53.822	ng	99
41) Hexachlorocyclopentadiene	12.580	237	649060	55.336	ng	99
43) 2,4,6-Trichlorophenol	12.851	196	672901	55.275	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050029.D
Acq On : 28 Apr 2025 15:45
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Apr 28 17:57:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

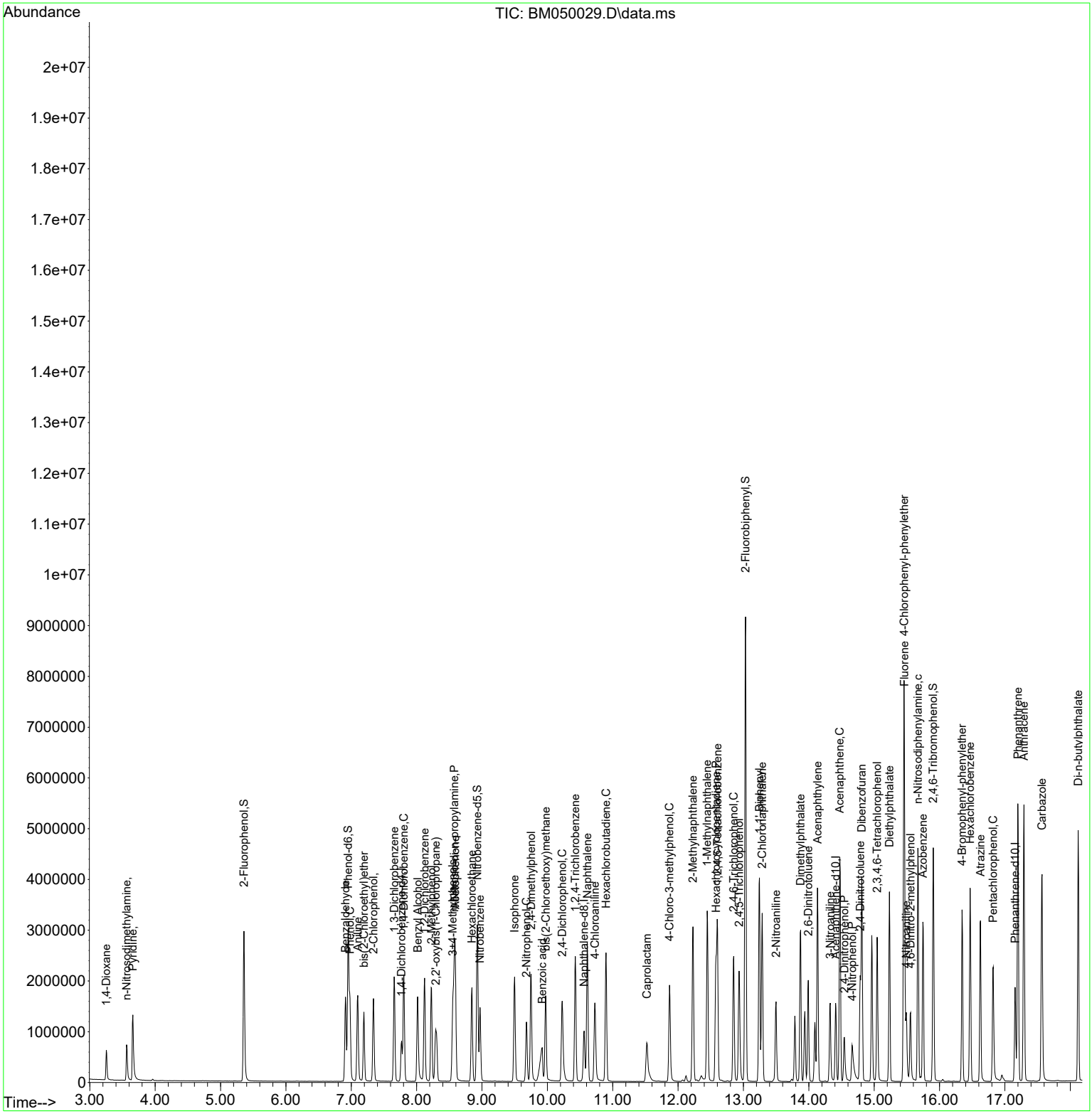
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	719930	54.841	ng	100
46) 1,1'-Biphenyl	13.245	154	2191996	53.185	ng	100
47) 2-Chloronaphthalene	13.286	162	1729678	52.989	ng	100
48) 2-Nitroaniline	13.498	65	421489	55.016	ng	99
49) Acenaphthylene	14.133	152	2731966	53.082	ng	100
50) Dimethylphthalate	13.874	163	2138242	52.770	ng	100
51) 2,6-Dinitrotoluene	13.992	165	458476	54.650	ng	99
52) Acenaphthene	14.474	154	1587472	53.287	ng	99
53) 3-Nitroaniline	14.327	138	450021	56.186	ng	96
54) 2,4-Dinitrophenol	14.545	184	269515	52.338	ng	99
55) Dibenzofuran	14.810	168	2617489	52.809	ng	100
56) 4-Nitrophenol	14.663	139	328078	52.029	ng	100
57) 2,4-Dinitrotoluene	14.786	165	648262	55.921	ng	99
58) Fluorene	15.462	166	2180247	53.740	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.045	232	617151	54.311	ng	99
60) Diethylphthalate	15.233	149	2011763	52.691	ng	99
61) 4-Chlorophenyl-phenyle...	15.457	204	1207514	54.188	ng	99
62) 4-Nitroaniline	15.492	138	445520	57.612	ng	99
63) Azobenzene	15.745	77	1703932	53.251	ng	100
65) 4,6-Dinitro-2-methylph...	15.557	198	393191	56.806	ng	98
66) n-Nitrosodiphenylamine	15.668	169	1815723	53.474	ng	99
67) 4-Bromophenyl-phenylether	16.345	248	713498	53.359	ng	98
68) Hexachlorobenzene	16.468	284	815392	52.900	ng	98
69) Atrazine	16.627	200	669330	54.648	ng	99
70) Pentachlorophenol	16.821	266	475717	54.830	ng	99
71) Phenanthrene	17.198	178	3349195	53.702	ng	100
72) Anthracene	17.292	178	3417239	54.143	ng	100
73) Carbazole	17.568	167	2971695	54.260	ng	99
74) Di-n-butylphthalate	18.121	149	3530893	54.137	ng	100
75) Fluoranthene	19.215	202	4021516	54.922	ng	100
77) Benzidine	19.403	184	2110748	54.137	ng	100
78) Pyrene	19.580	202	4169831	54.097	ng	100
80) Butylbenzylphthalate	20.474	149	1557463	53.948	ng	96
81) Benzo(a)anthracene	21.380	228	4058011	53.687	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	1639448	56.659	ng	99
83) Chrysene	21.444	228	3755543	53.683	ng	99
84) Bis(2-ethylhexyl)phtha...	21.297	149	2336926	54.194	ng	98
85) Di-n-octyl phthalate	22.427	149	3852190	54.170	ng	100
87) Indeno(1,2,3-cd)pyrene	27.797	276	4369253	55.240	ng	99
88) Benzo(b)fluoranthene	23.450	252	3755728	54.405	ng	99
89) Benzo(k)fluoranthene	23.515	252	3844095	55.037	ng	99
90) Benzo(a)pyrene	24.262	252	3529489	54.588	ng	99
91) Dibenzo(a,h)anthracene	27.838	278	3575099	55.448	ng	99
92) Benzo(g,h,i)perylene	28.850	276	3363778	54.494	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050029.D
Acq On : 28 Apr 2025 15:45
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Apr 28 17:57:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

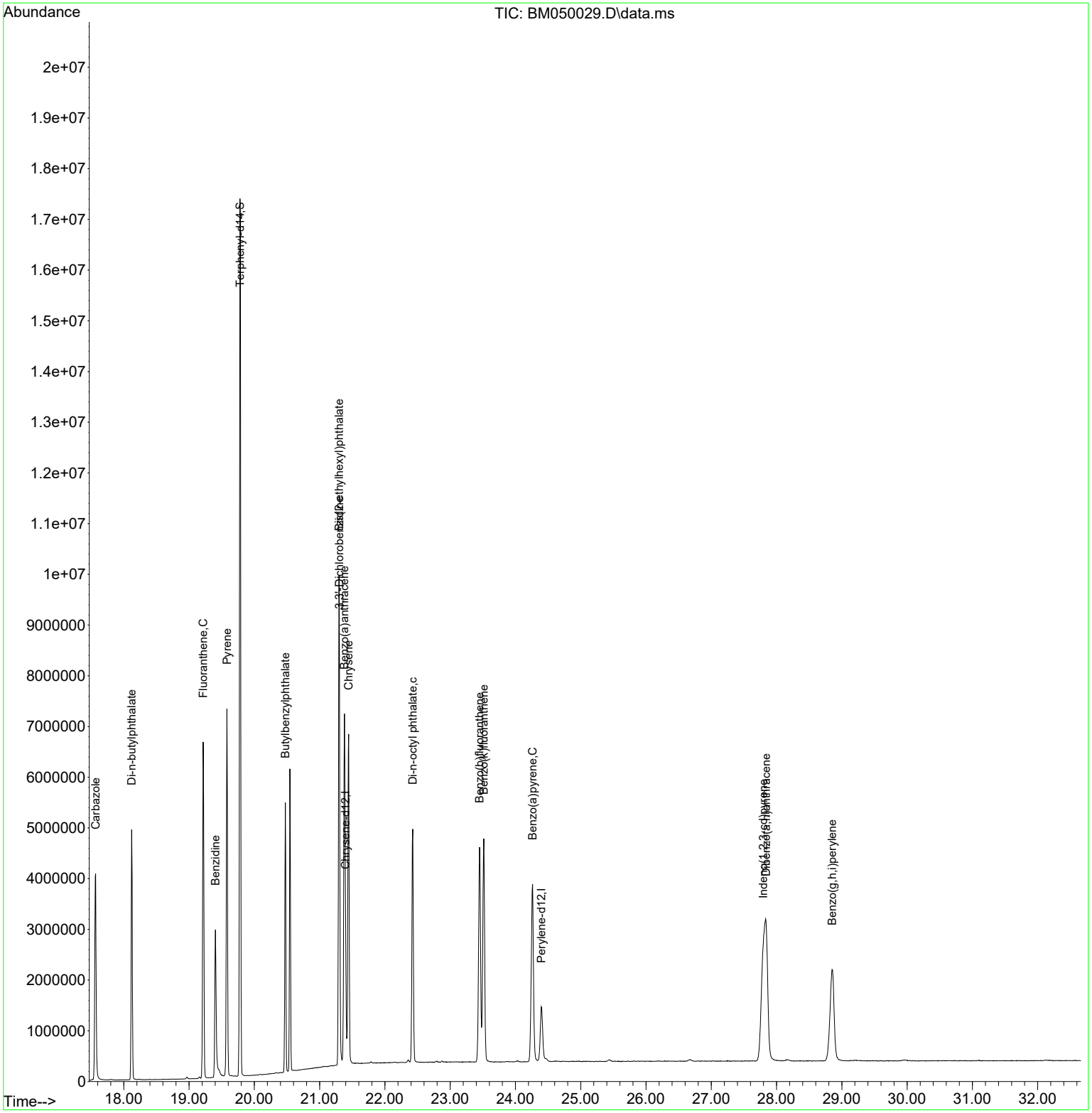


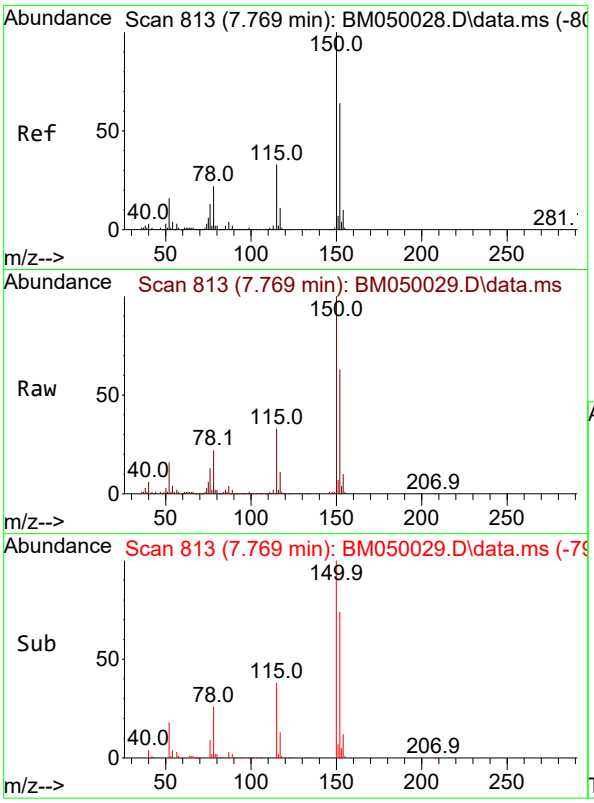
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050029.D
Acq On : 28 Apr 2025 15:45
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Apr 28 17:57:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



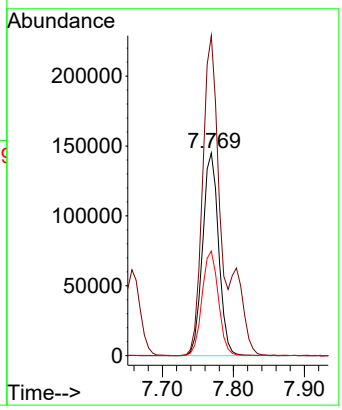


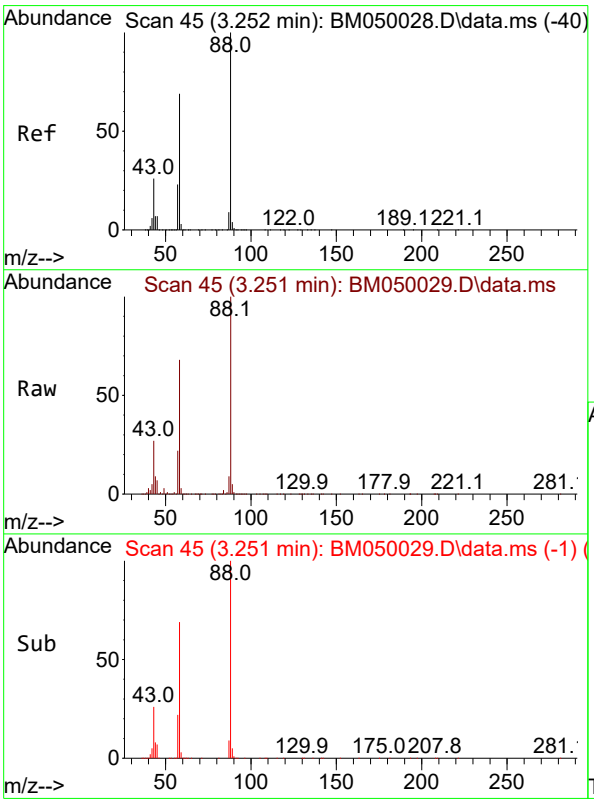
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 228207

Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.1	186.1
115	51.6	41.2	61.8

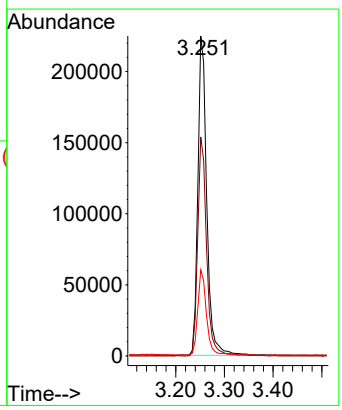


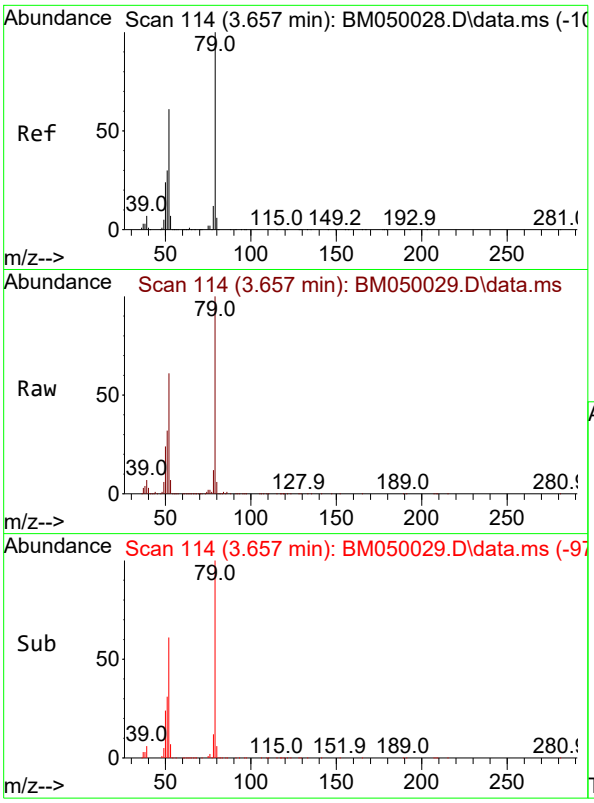


#2
1,4-Dioxane
Concen: 51.472 ng
RT: 3.251 min Scan# 45
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion: 88 Resp: 287618

Ion	Ratio	Lower	Upper
88	100		
58	68.7	55.1	82.7
43	26.0	20.9	31.3



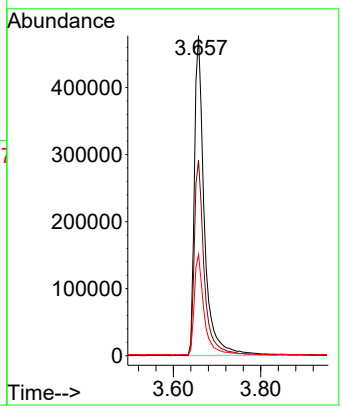


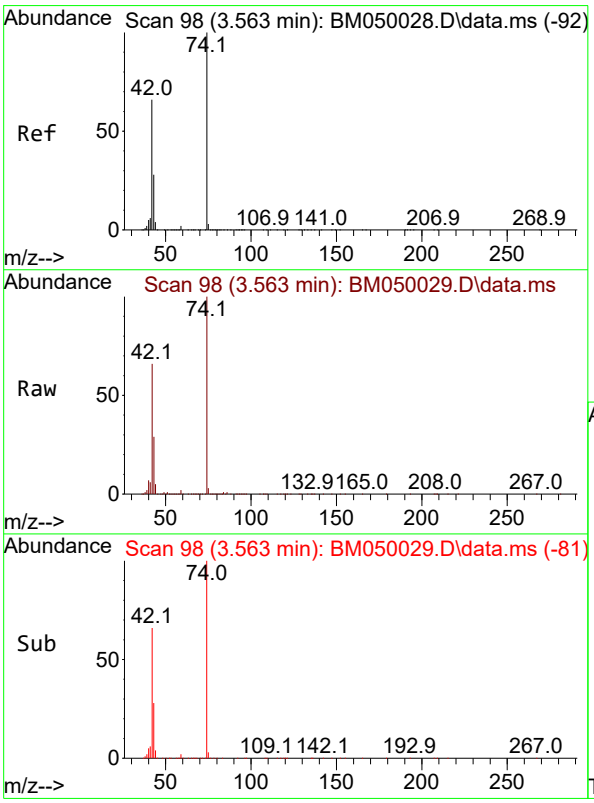
#3
Pyridine
Concen: 52.766 ng
RT: 3.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 757569

Ion	Ratio	Lower	Upper
79	100		
52	61.0	48.6	72.8
51	31.7	24.6	37.0

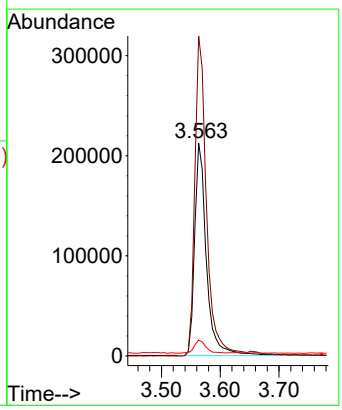


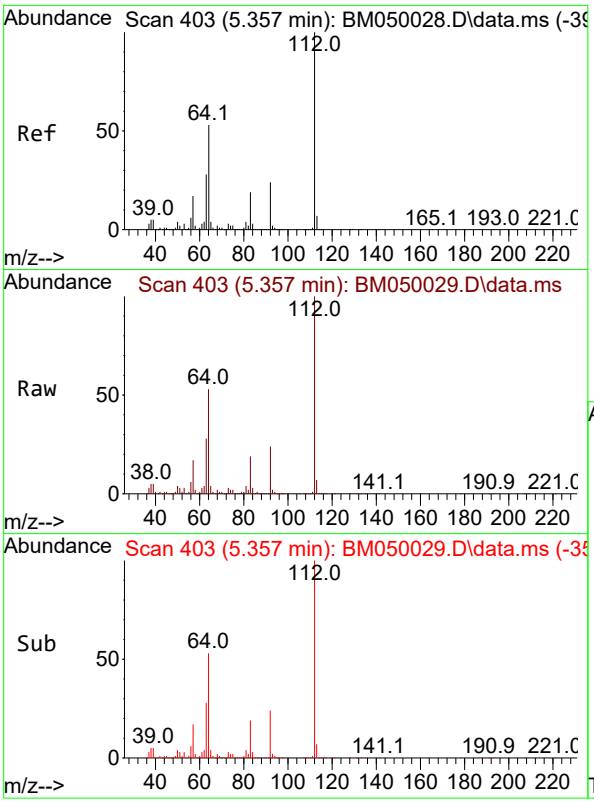


#4
n-Nitrosodimethylamine
Concen: 52.476 ng
RT: 3.563 min Scan# 98
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion: 42 Resp: 295491

Ion	Ratio	Lower	Upper
42	100		
74	150.4	120.2	180.2
44	7.4	6.2	9.2



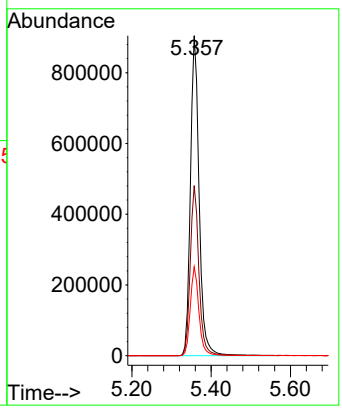


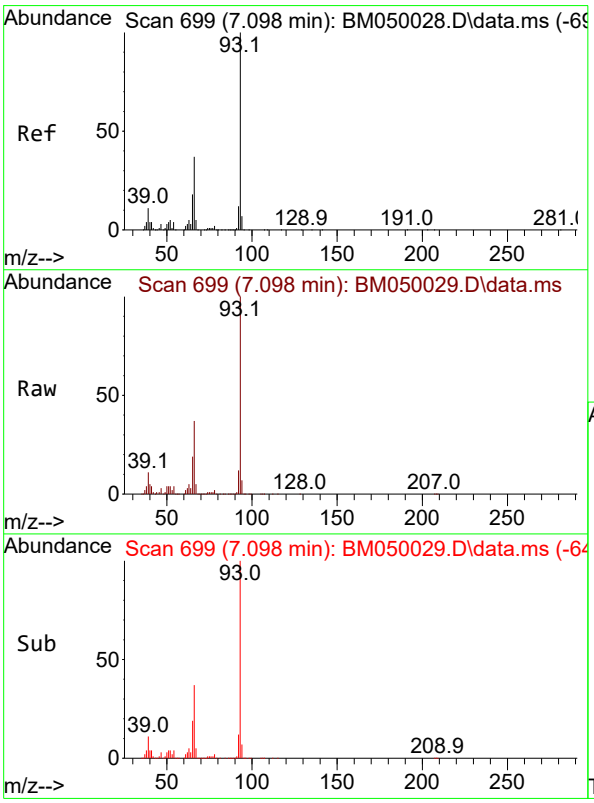
#5
2-Fluorophenol
Concen: 106.054 ng
RT: 5.357 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 1382138

Ion	Ratio	Lower	Upper
112	100		
64	53.2	42.6	64.0
63	27.8	22.2	33.4

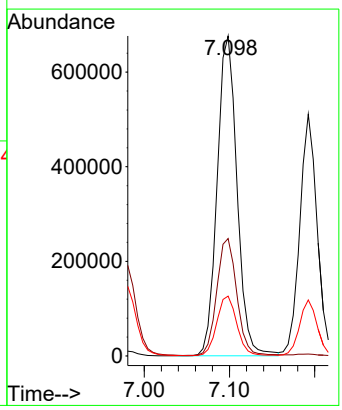


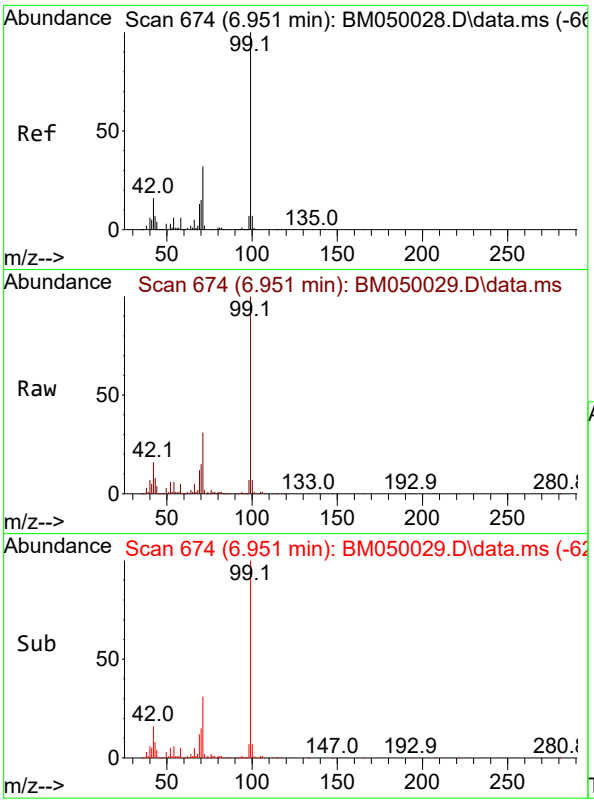


#6
Aniline
Concen: 53.024 ng
RT: 7.098 min Scan# 699
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion: 93 Resp: 1096746

Ion	Ratio	Lower	Upper
93	100		
66	36.7	29.9	44.9
65	18.7	14.5	21.7



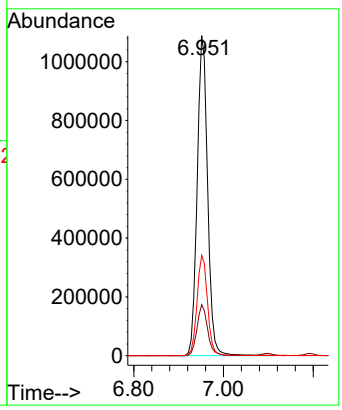


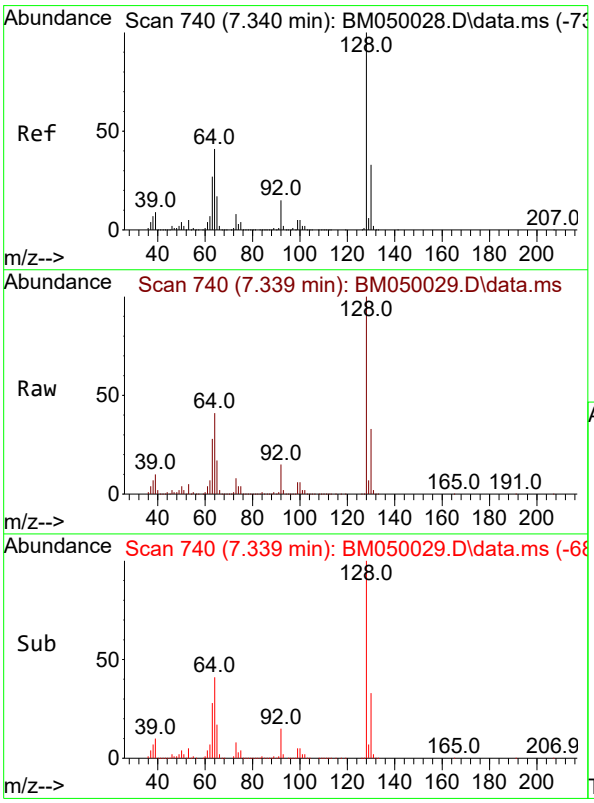
#7
Phenol-d6
Concen: 107.089 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 1754123

Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.0	19.4
71	31.3	25.6	38.4

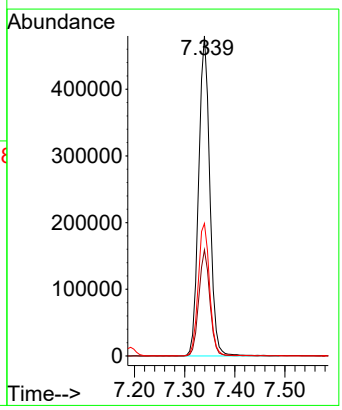


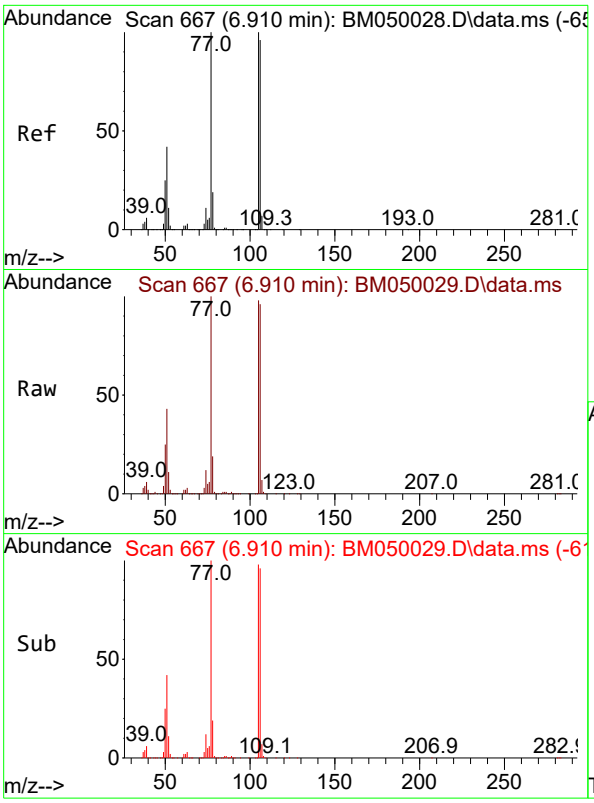


#8
2-Chlorophenol
Concen: 52.664 ng
RT: 7.339 min Scan# 740
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:128 Resp: 742074

Ion	Ratio	Lower	Upper
128	100		
130	33.2	12.8	52.8
64	41.4	21.2	61.2



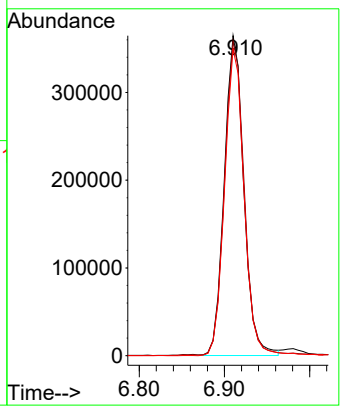


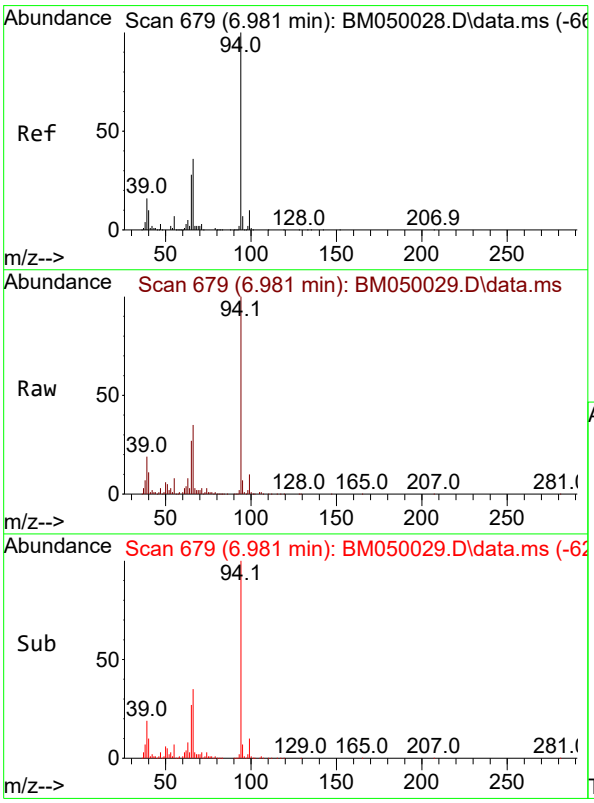
#9
Benzaldehyde
Concen: 52.770 ng
RT: 6.910 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 577740

Ion	Ratio	Lower	Upper
77	100		
105	98.2	80.5	120.5
106	95.9	76.1	116.1

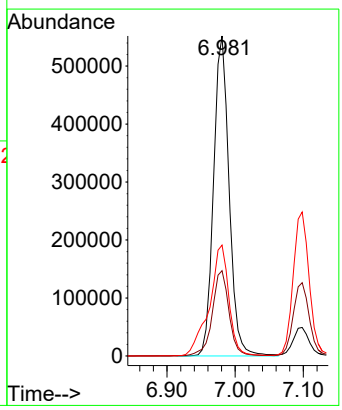


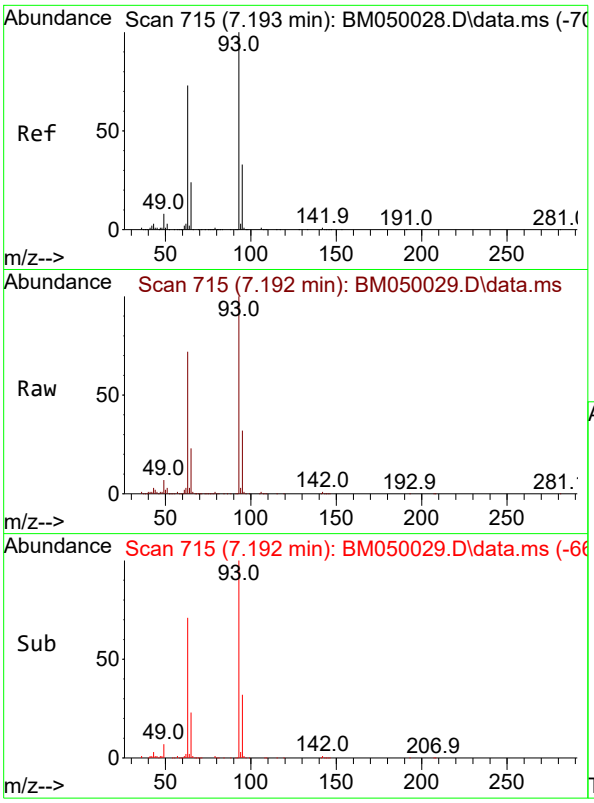


#10
Phenol
Concen: 52.897 ng
RT: 6.981 min Scan# 679
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion: 94 Resp: 877155

Ion	Ratio	Lower	Upper
94	100		
65	26.6	7.6	47.6
66	34.7	15.8	55.8



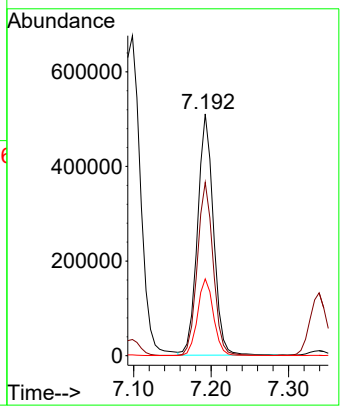


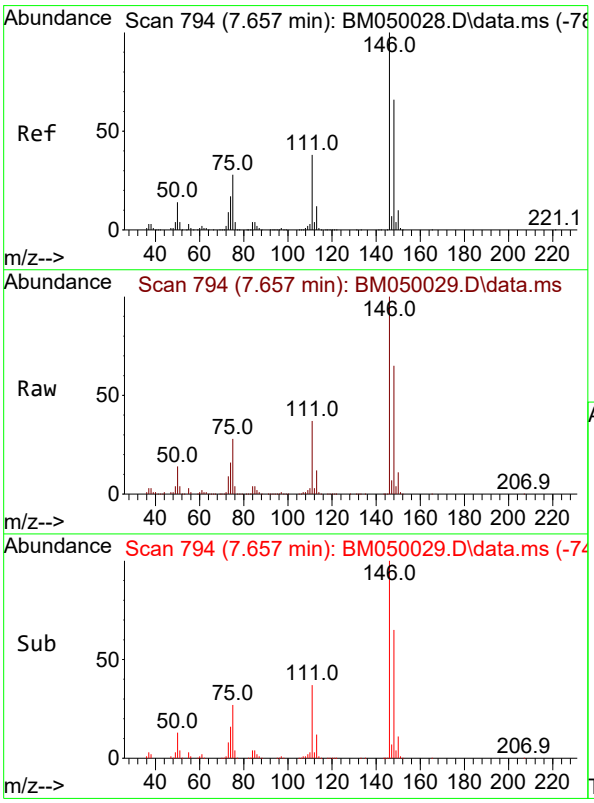
#11
bis(2-Chloroethyl)ether
Concen: 52.379 ng
RT: 7.192 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 725268

Ion	Ratio	Lower	Upper
93	100		
63	71.7	52.3	92.3
95	31.8	12.8	52.8

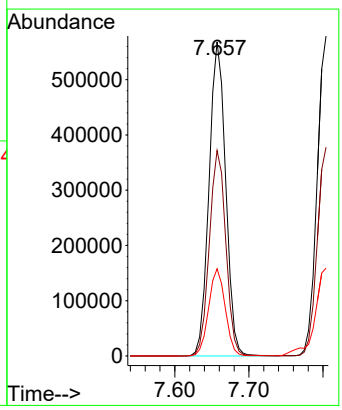


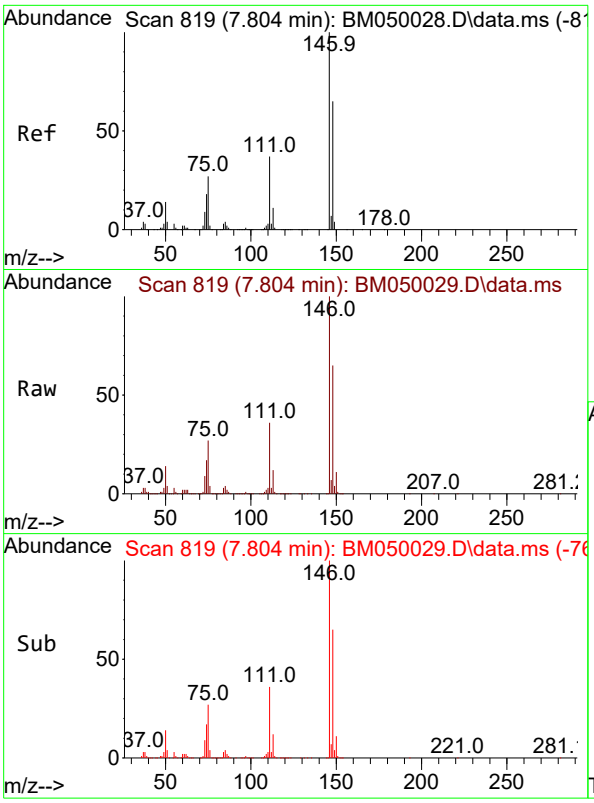


#12
1,3-Dichlorobenzene
Concen: 52.004 ng
RT: 7.657 min Scan# 794
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:146 Resp: 885183

Ion	Ratio	Lower	Upper
146	100		
148	65.4	52.5	78.7
75	27.8	22.6	34.0



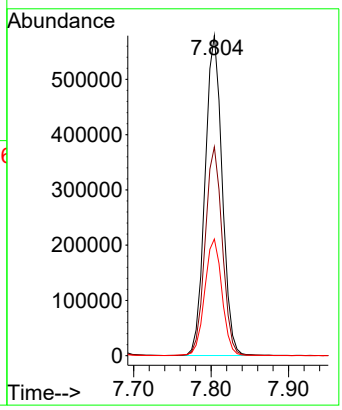


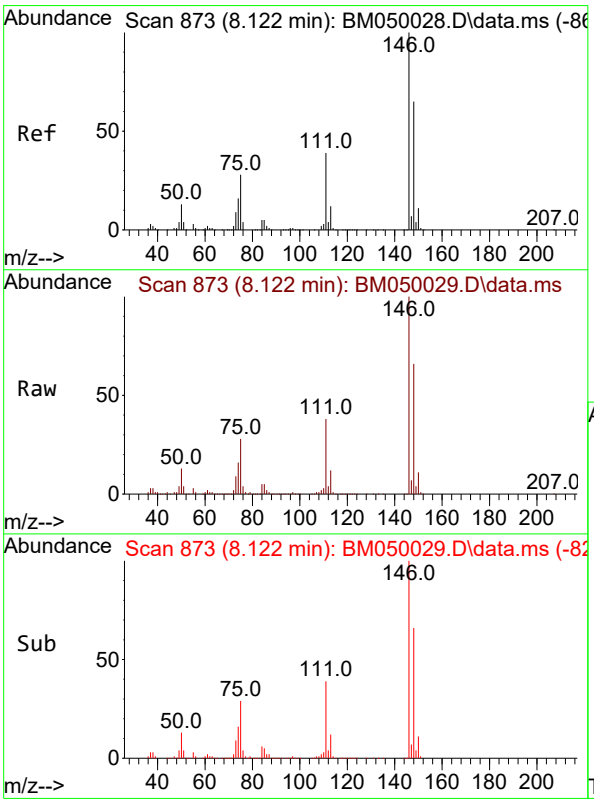
#13
1,4-Dichlorobenzene
Concen: 51.937 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 888114

Ion	Ratio	Lower	Upper
146	100		
148	65.2	52.2	78.2
111	36.5	29.3	43.9

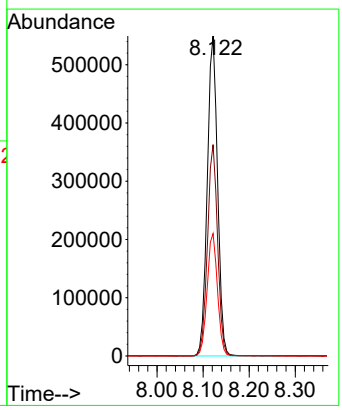


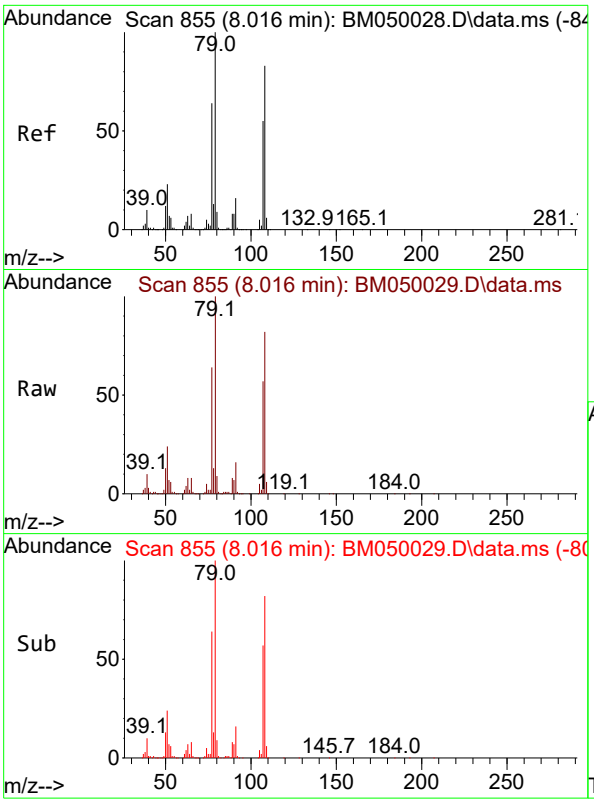


#14
1,2-Dichlorobenzene
Concen: 52.033 ng
RT: 8.122 min Scan# 873
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:146 Resp: 859475

Ion	Ratio	Lower	Upper
146	100		
148	66.1	52.4	78.6
111	38.2	31.0	46.6



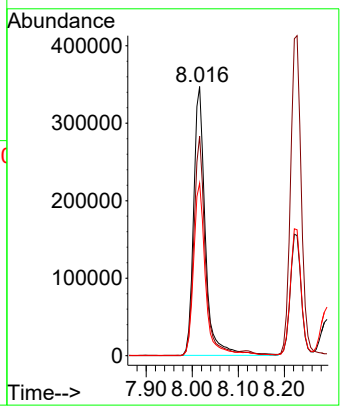


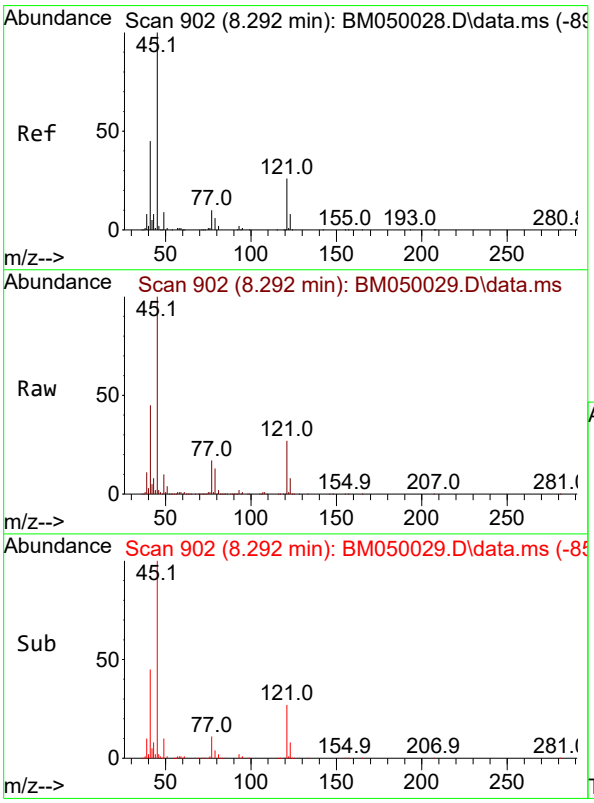
#15
Benzyl Alcohol
Concen: 53.947 ng
RT: 8.016 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 612811

Ion	Ratio	Lower	Upper
79	100		
108	81.6	66.0	99.0
77	64.1	51.6	77.4

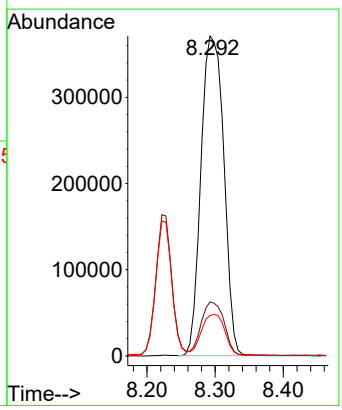


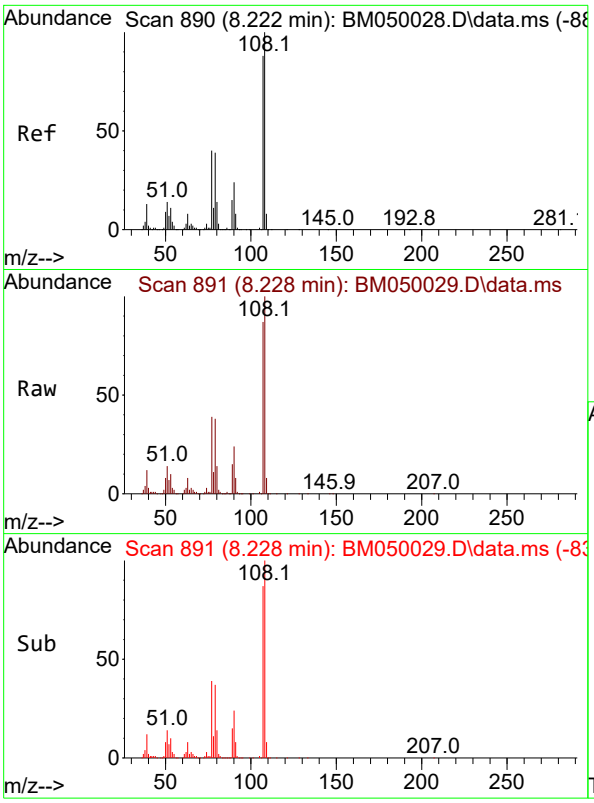


#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.300 ng
RT: 8.292 min Scan# 902
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion: 45 Resp: 863443

Ion	Ratio	Lower	Upper
45	100		
77	16.9	0.0	36.4
79	12.7	0.0	32.7



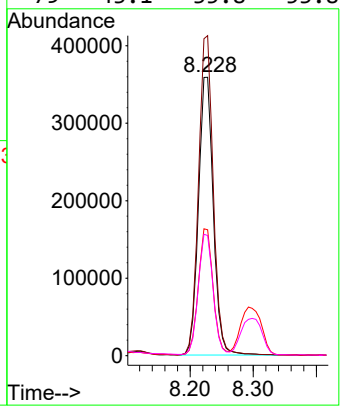


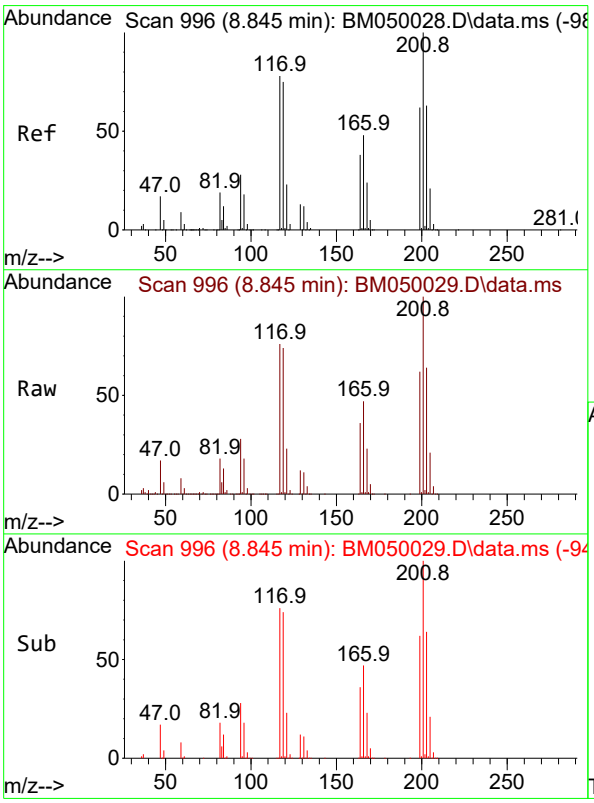
#17
2-Methylphenol
Concen: 53.563 ng
RT: 8.228 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 585120

Ion	Ratio	Lower	Upper
107	100		
108	114.9	91.1	136.7
77	45.2	36.2	54.4
79	43.1	35.8	53.8

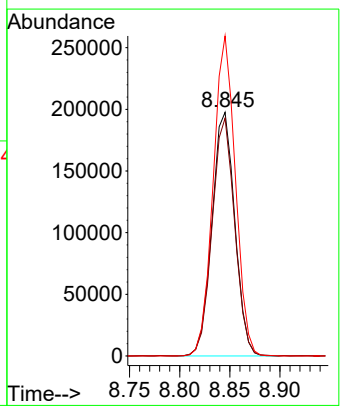


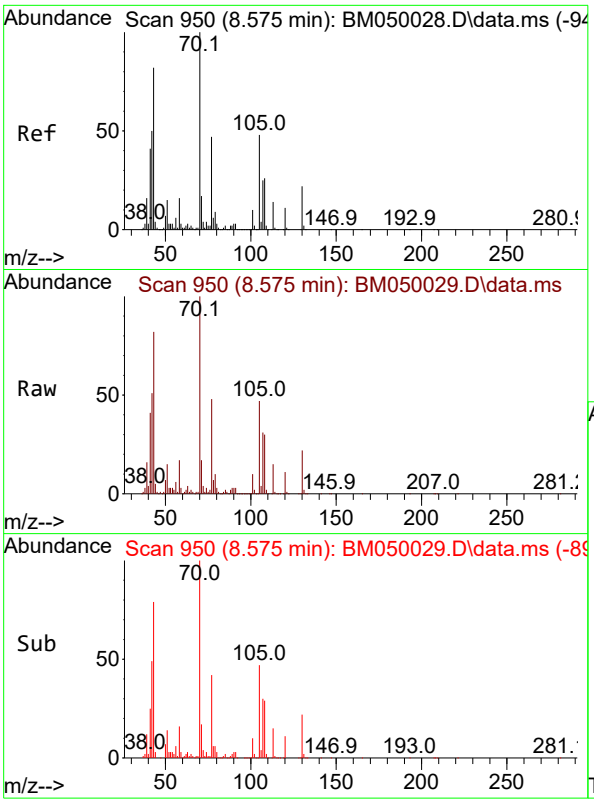


#18
Hexachloroethane
Concen: 51.444 ng
RT: 8.845 min Scan# 996
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:117 Resp: 312710

Ion	Ratio	Lower	Upper
117	100		
119	97.6	77.3	115.9
201	131.4	102.8	154.2



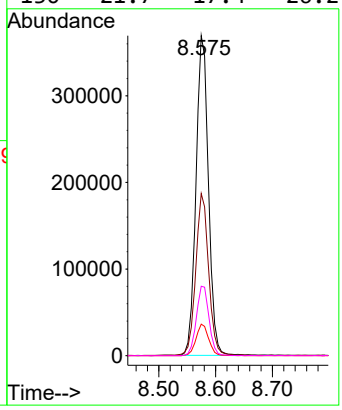


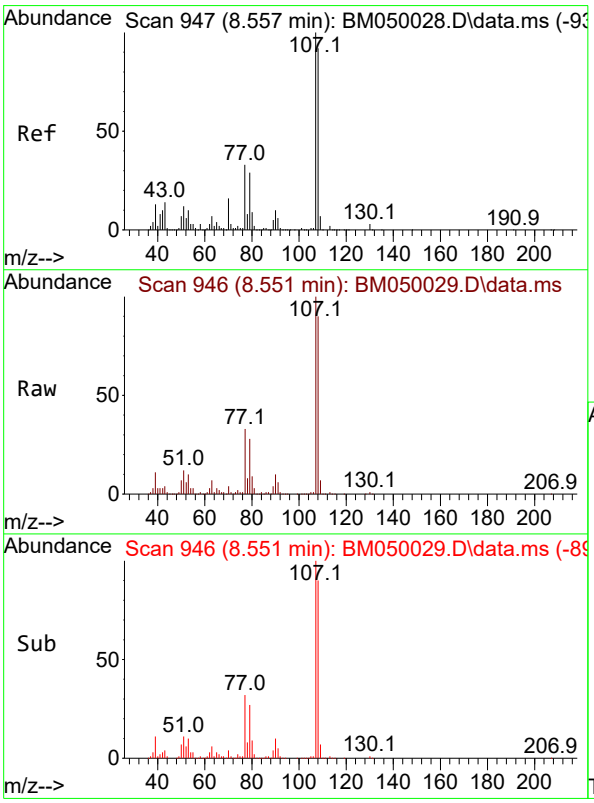
#19
n-Nitroso-di-n-propylamine
Concen: 53.672 ng
RT: 8.575 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 563847

Ion	Ratio	Lower	Upper
70	100		
42	50.7	40.5	60.7
101	9.8	7.8	11.6
130	21.7	17.4	26.2

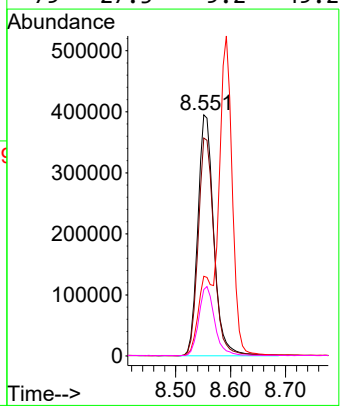


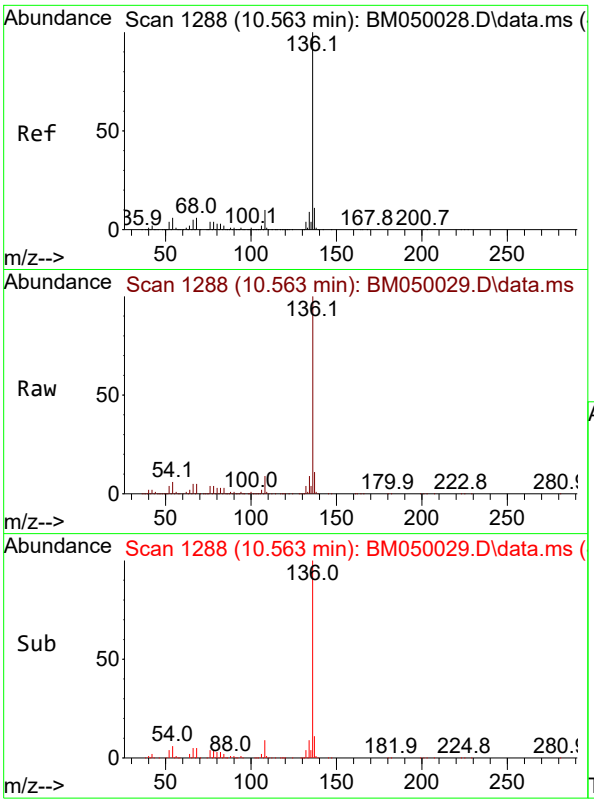


#20
3+4-Methylphenols
Concen: 53.851 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.006 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:107 Resp: 794422

Ion	Ratio	Lower	Upper
107	100		
108	90.4	72.4	112.4
77	33.0	13.6	53.6
79	27.5	9.2	49.2



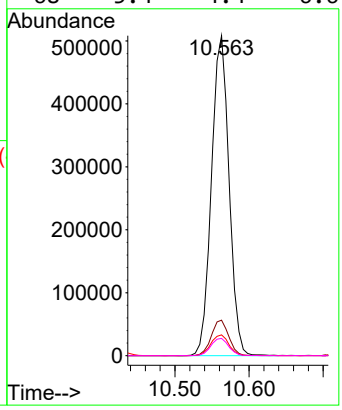


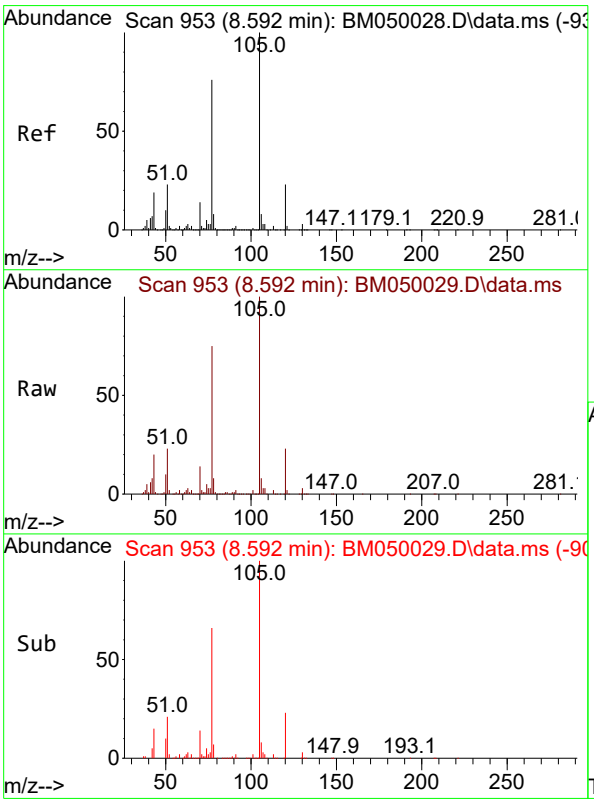
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 837552

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.5	5.1	7.7
68	5.4	4.4	6.6

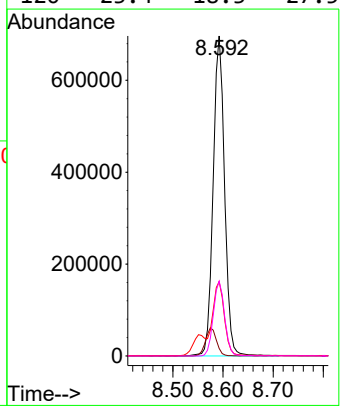


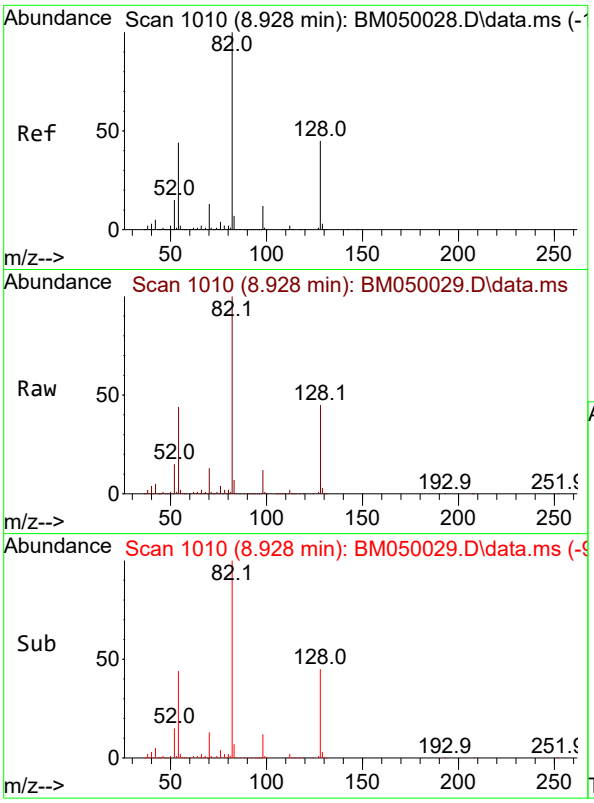


#22
Acetophenone
Concen: 52.827 ng
RT: 8.592 min Scan# 953
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:105 Resp: 1100024

Ion	Ratio	Lower	Upper
105	100		
71	2.3	1.7	2.5
51	23.2	18.6	27.8
120	23.4	18.3	27.5



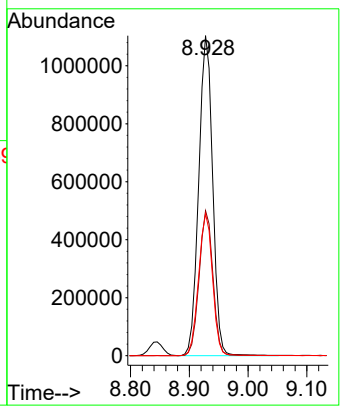


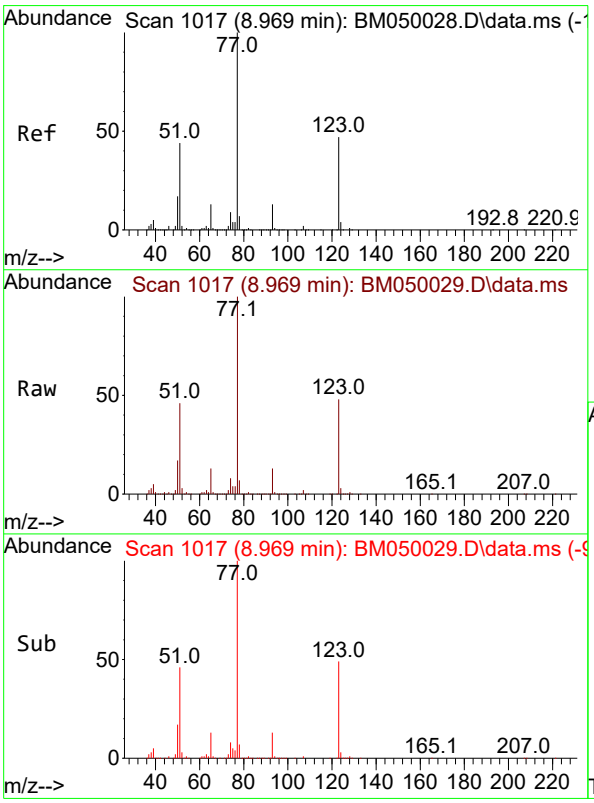
#23
Nitrobenzene-d5
Concen: 106.560 ng
RT: 8.928 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1811208

Ion	Ratio	Lower	Upper
82	100		
128	45.3	35.7	53.5
54	44.3	35.4	53.2

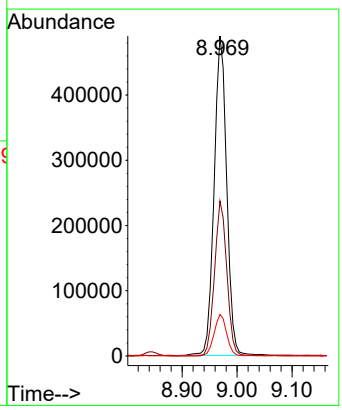


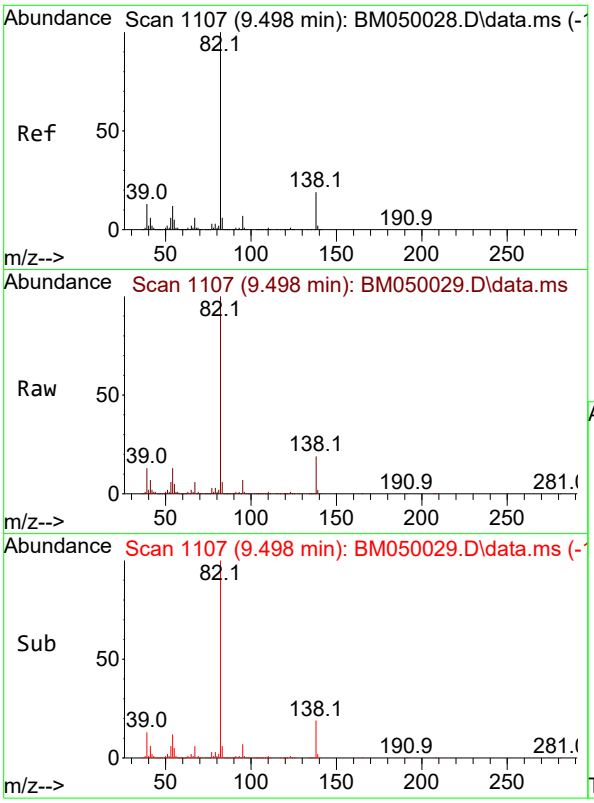


#24
Nitrobenzene
Concen: 53.020 ng
RT: 8.969 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion: 77 Resp: 779215

Ion	Ratio	Lower	Upper
77	100		
123	48.4	37.9	56.9
65	13.0	10.1	15.1



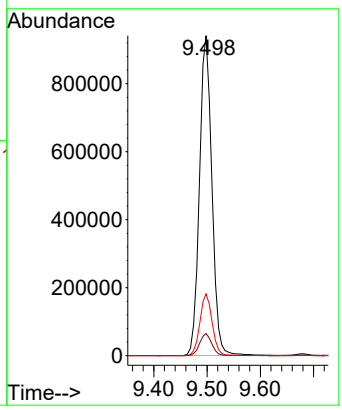


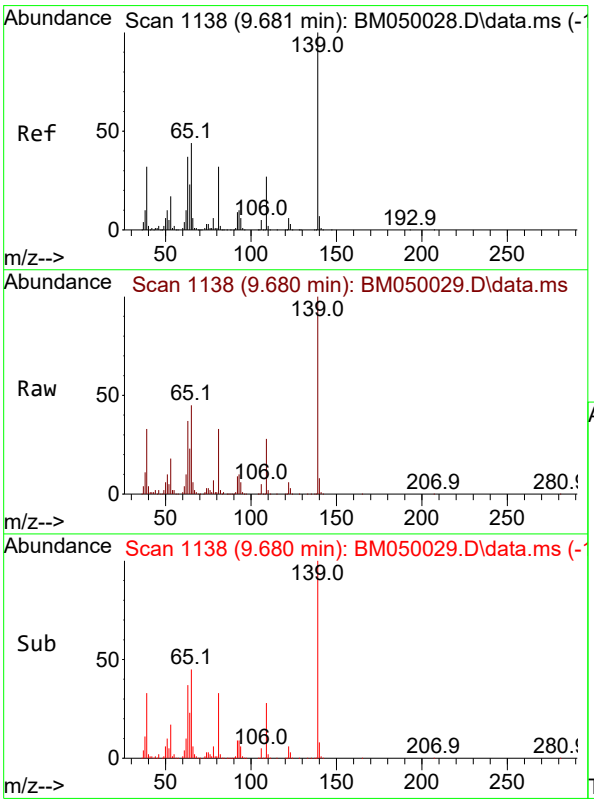
#25
Isophorone
Concen: 52.685 ng
RT: 9.498 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1526436

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.7	8.5
138	19.3	15.5	23.3

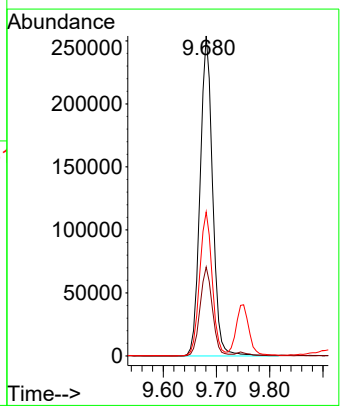


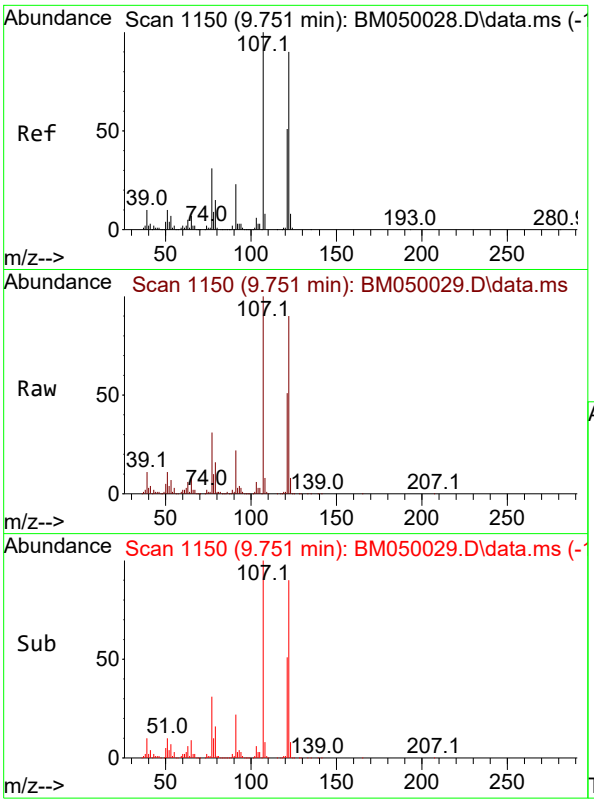


#26
2-Nitrophenol
Concen: 55.315 ng
RT: 9.680 min Scan# 1138
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:139 Resp: 415316

Ion	Ratio	Lower	Upper
139	100		
109	27.8	21.9	32.9
65	45.0	35.4	53.2



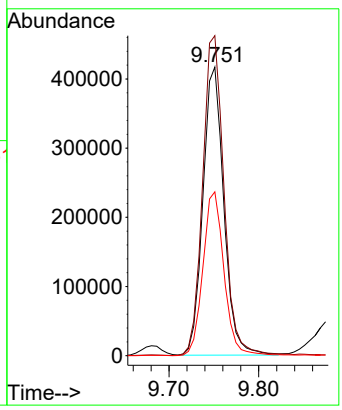


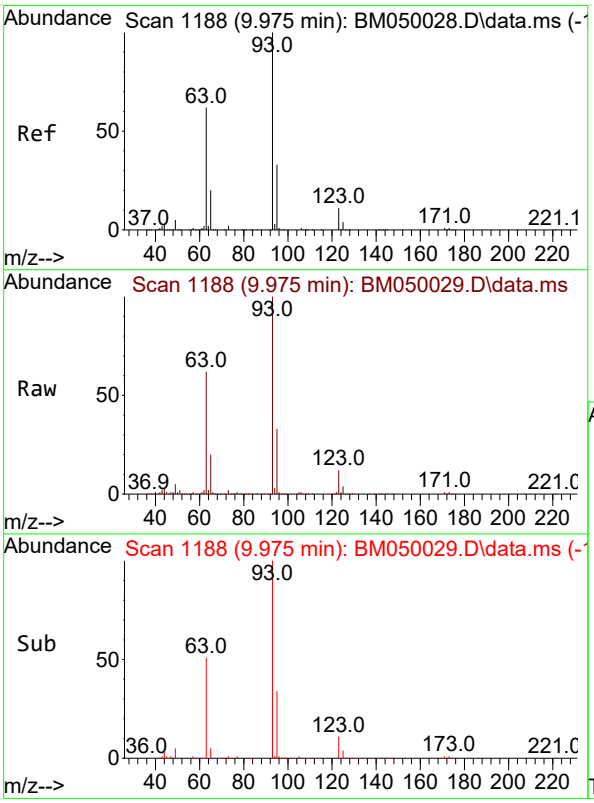
#27
2,4-Dimethylphenol
Concen: 54.175 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 674547

Ion	Ratio	Lower	Upper
122	100		
107	110.9	89.0	133.6
121	56.7	45.6	68.4

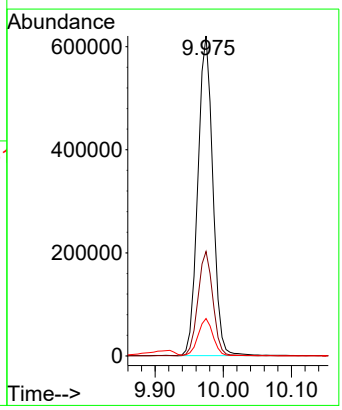


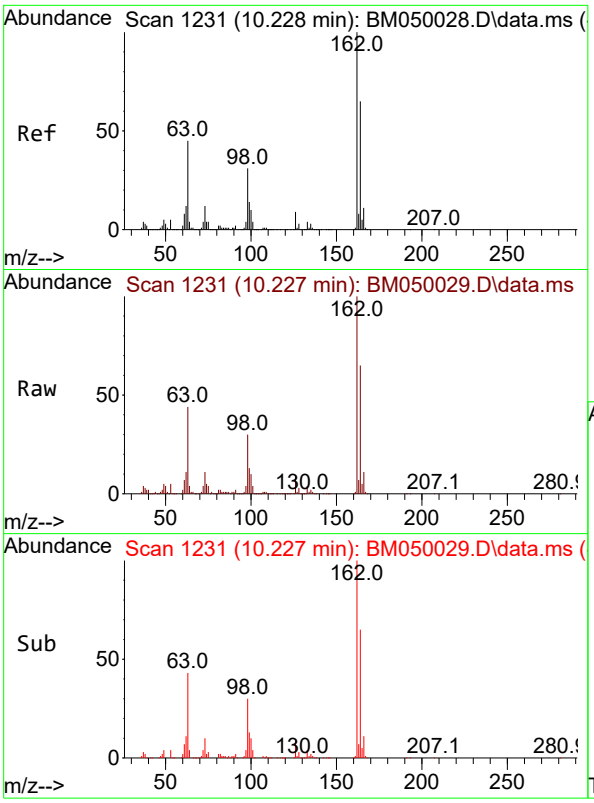


#28
bis(2-Chloroethoxy)methane
Concen: 52.843 ng
RT: 9.975 min Scan# 1188
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion: 93 Resp: 946285

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.1	39.1
123	11.7	9.5	14.3



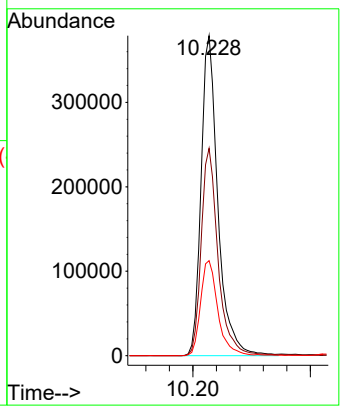


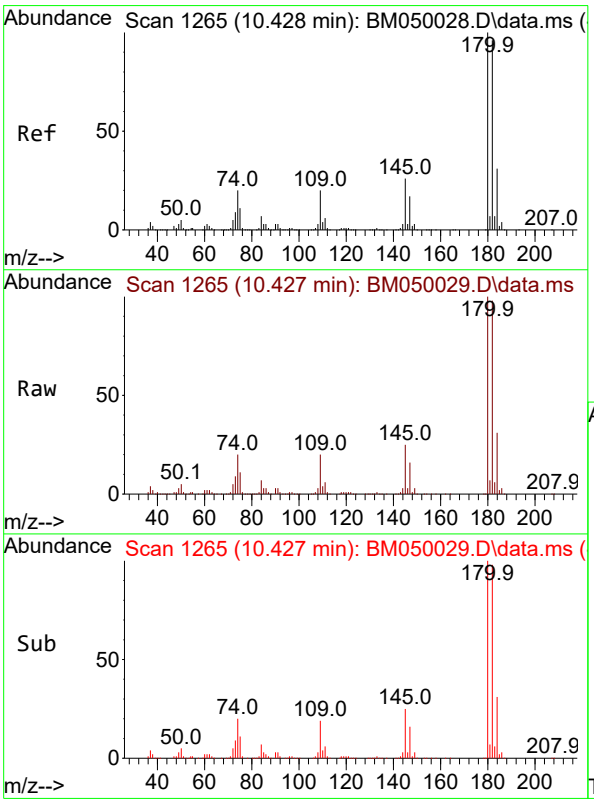
#29
2,4-Dichlorophenol
Concen: 53.847 ng
RT: 10.227 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 751117

Ion	Ratio	Lower	Upper
162	100		
164	64.8	45.4	85.4
98	29.7	11.3	51.3

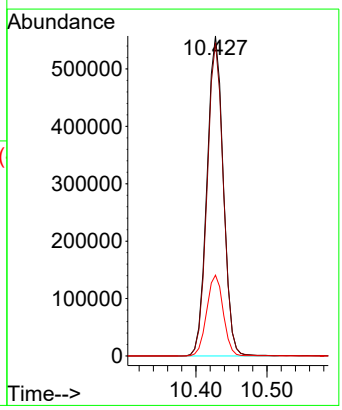


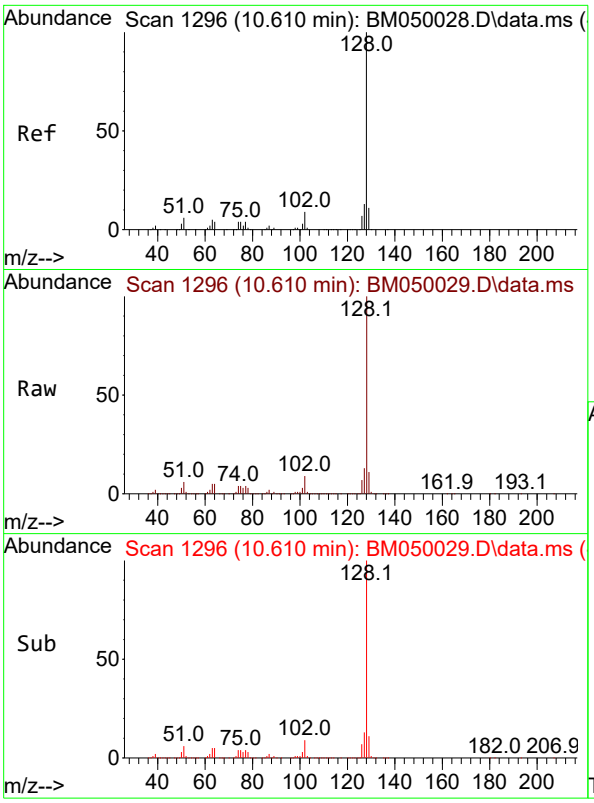


#30
1,2,4-Trichlorobenzene
Concen: 52.457 ng
RT: 10.427 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:180 Resp: 891501

Ion	Ratio	Lower	Upper
180	100		
182	97.9	77.0	115.4
145	25.3	20.6	30.8



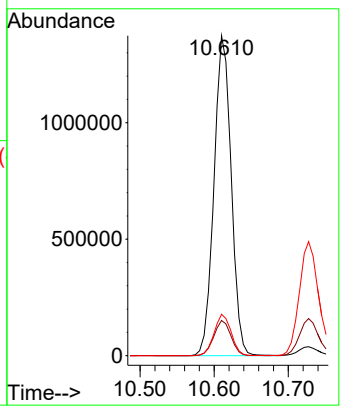


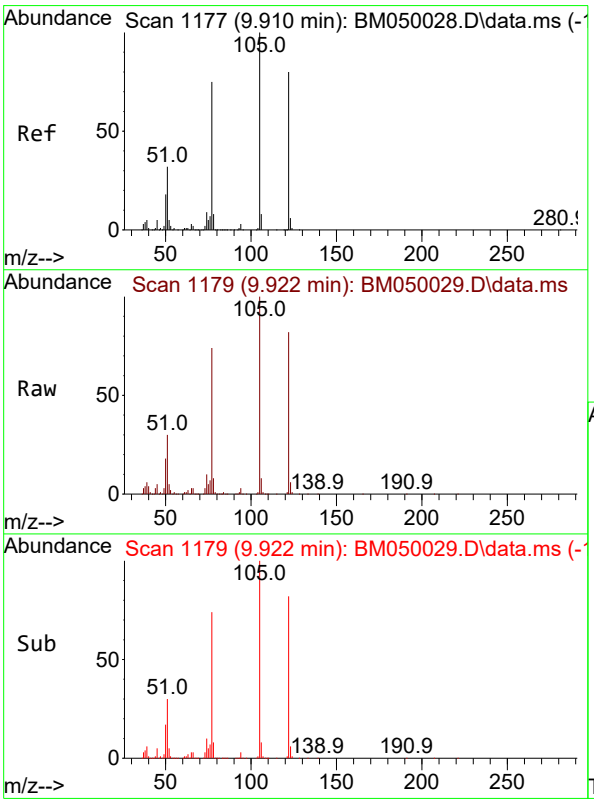
#31
Naphthalene
Concen: 52.198 ng
RT: 10.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 2214025

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.0	10.4	15.6

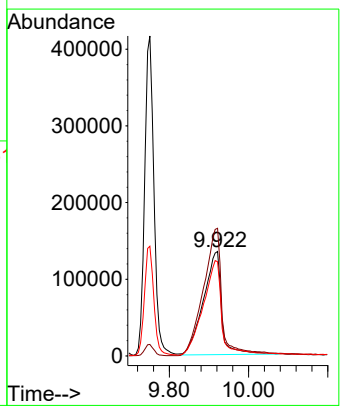


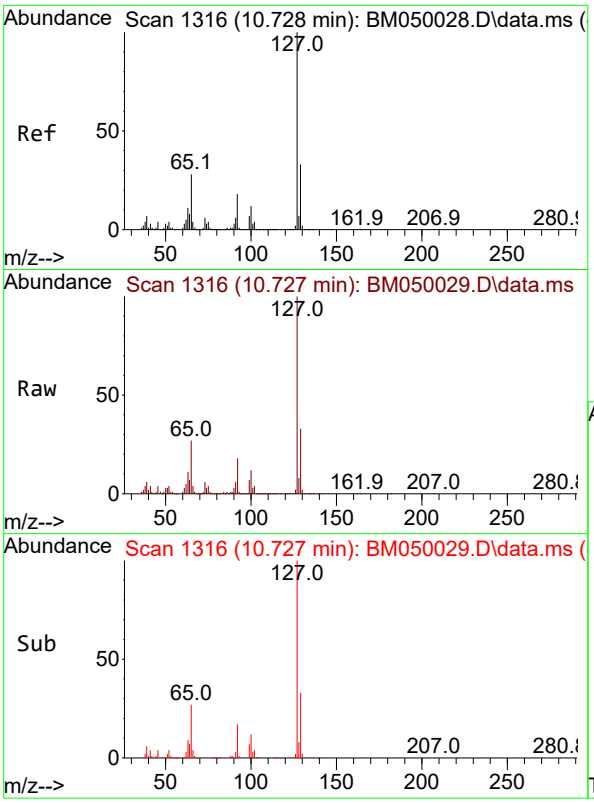


#32
Benzoic acid
Concen: 54.343 ng
RT: 9.922 min Scan# 1179
Delta R.T. 0.012 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:122 Resp: 431557

Ion	Ratio	Lower	Upper
122	100		
105	122.2	103.6	143.6
77	90.1	73.7	113.7



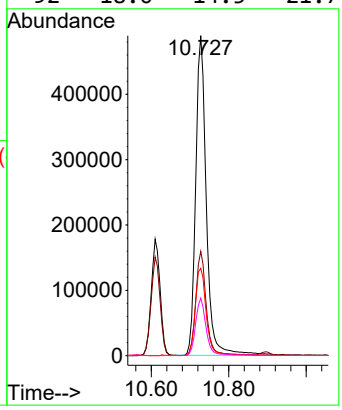


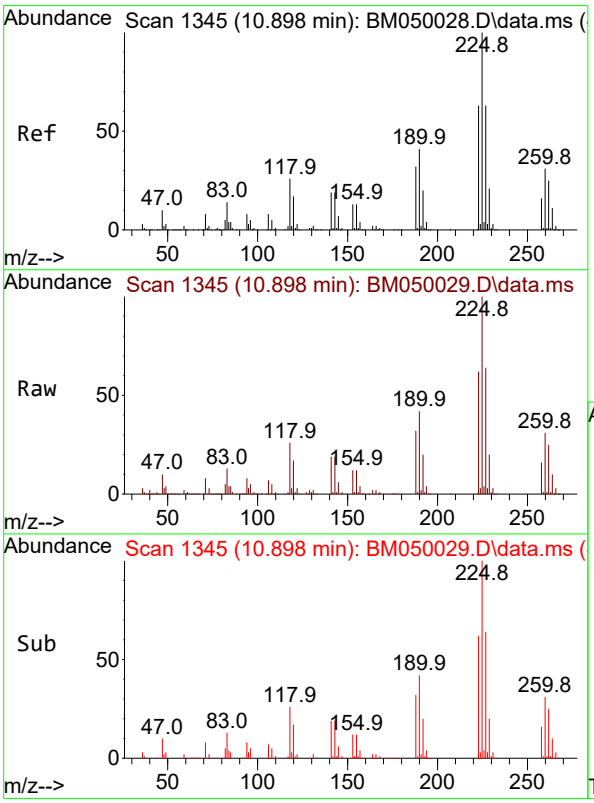
#33
4-Chloroaniline
Concen: 53.913 ng
RT: 10.727 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 937309

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.3	39.5
65	27.3	22.5	33.7
92	18.0	14.5	21.7

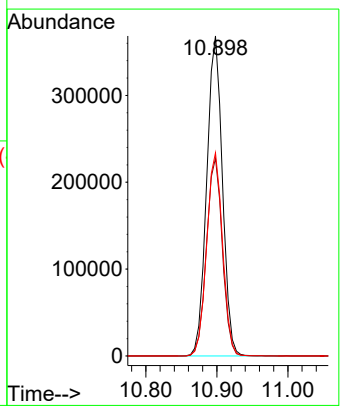


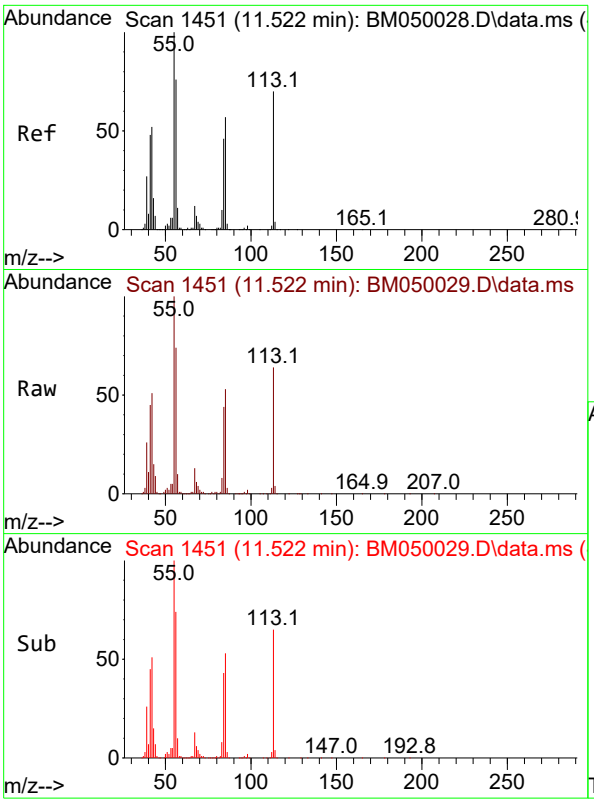


#34
Hexachlorobutadiene
Concen: 52.471 ng
RT: 10.898 min Scan# 1345
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:225 Resp: 566049

Ion	Ratio	Lower	Upper
225	100		
223	61.8	50.2	75.2
227	63.5	50.6	76.0



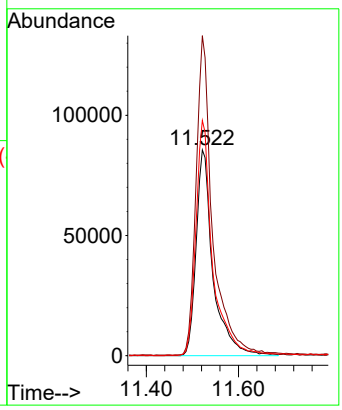


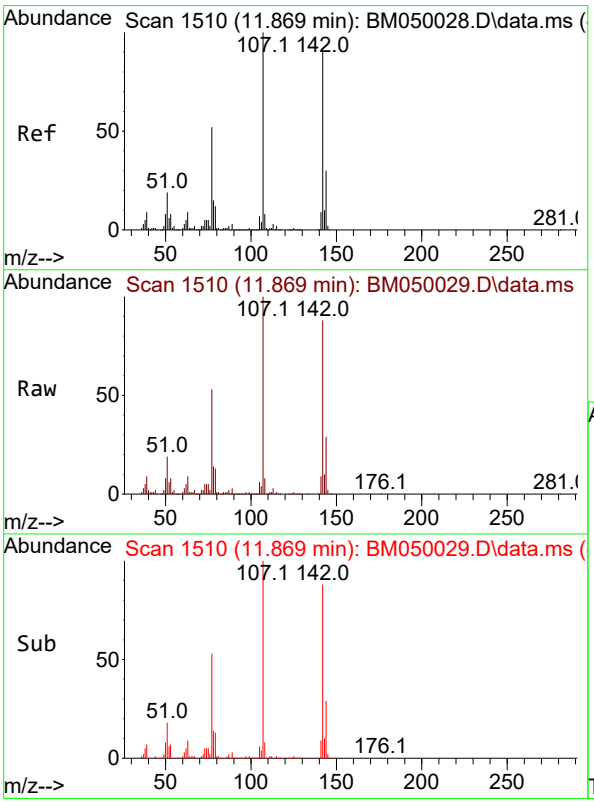
#35
Caprolactam
Concen: 53.741 ng
RT: 11.522 min Scan# 14
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 218572

Ion	Ratio	Lower	Upper
113	100		
55	155.5	122.9	162.9
56	114.3	88.1	128.1

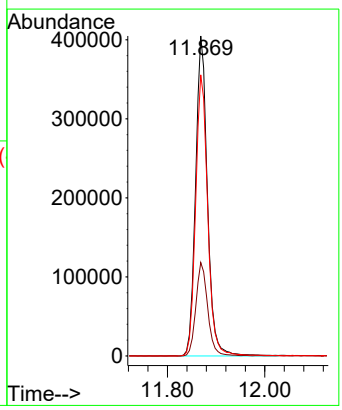


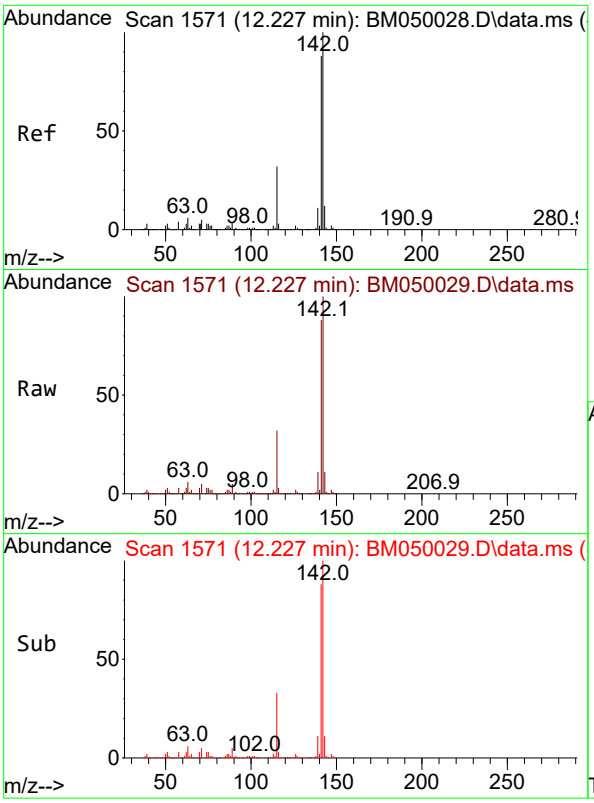


#36
4-Chloro-3-methylphenol
Concen: 53.394 ng
RT: 11.869 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:107 Resp: 688099

Ion	Ratio	Lower	Upper
107	100		
144	29.2	23.8	35.6
142	87.9	71.9	107.9



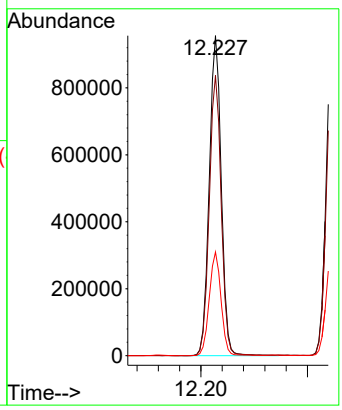


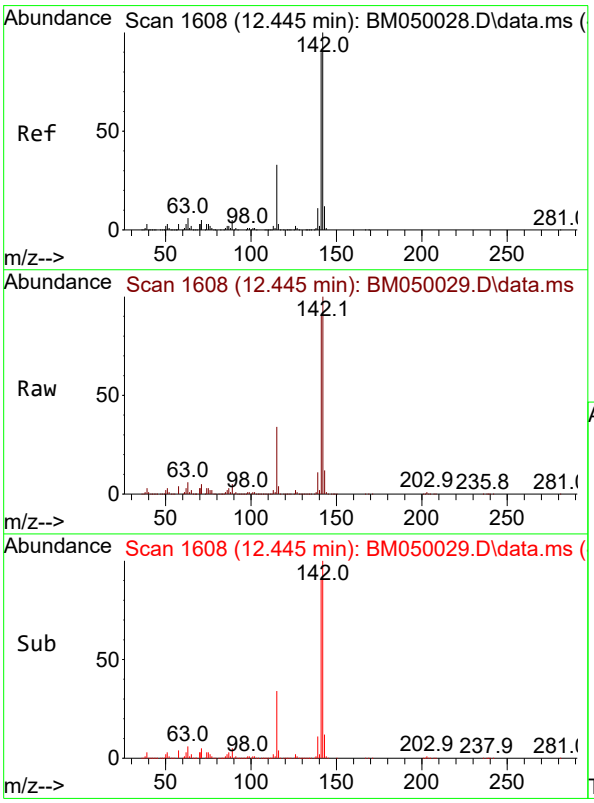
#37
2-Methylnaphthalene
Concen: 52.548 ng
RT: 12.227 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 1494348

Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.4	105.6
115	32.4	25.4	38.2

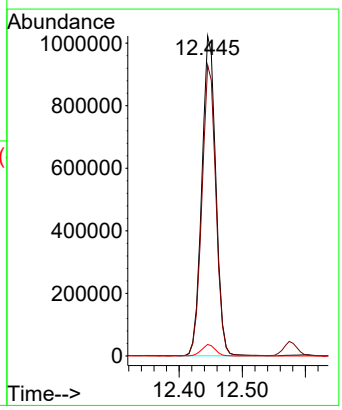


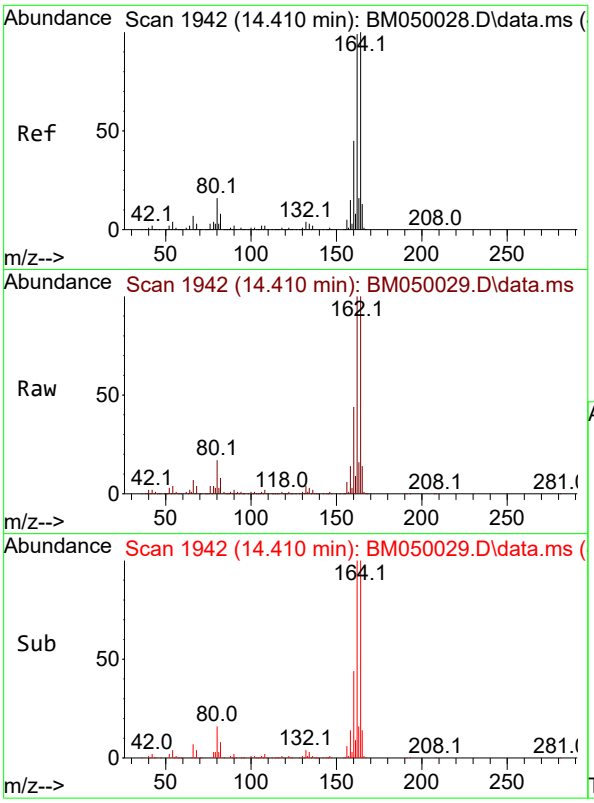


#38
1-Methylnaphthalene
Concen: 52.243 ng
RT: 12.445 min Scan# 1608
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:142 Resp: 1572248

Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.1	108.1
116	3.6	2.7	4.1



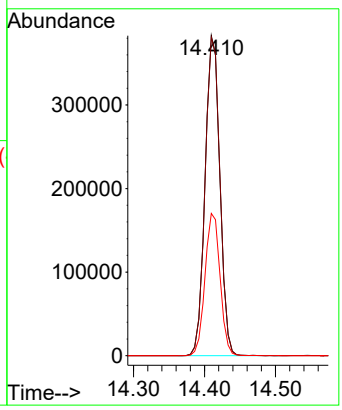


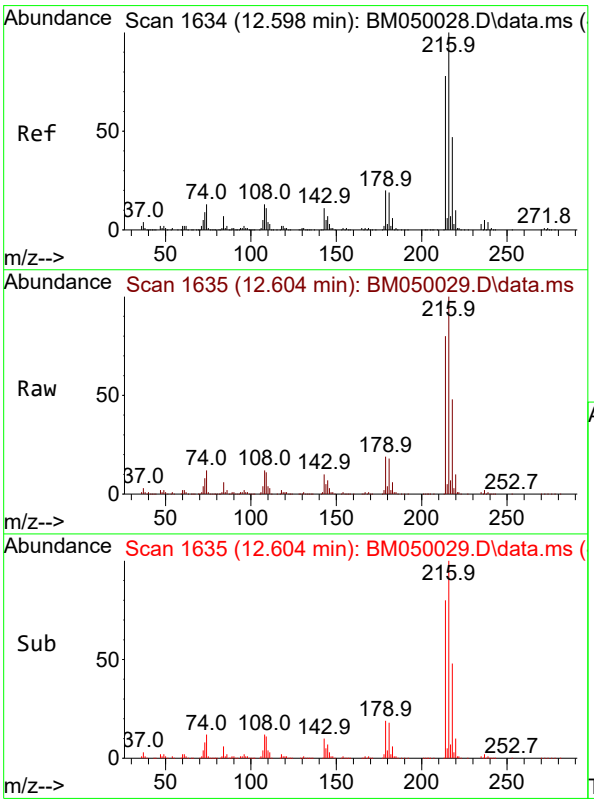
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 554448

Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.4	119.0
160	44.4	36.2	54.4

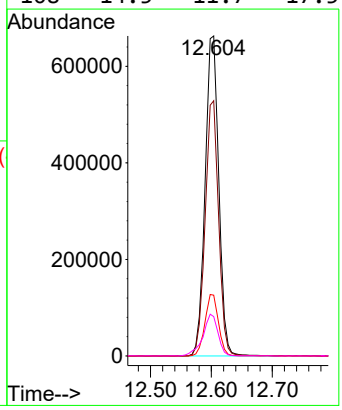


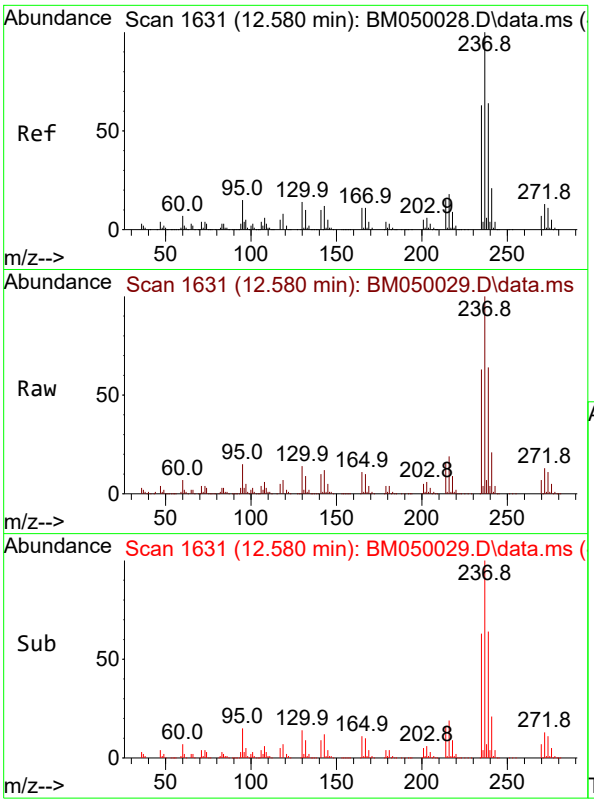


#40
1,2,4,5-Tetrachlorobenzene
Concen: 53.822 ng
RT: 12.604 min Scan# 1635
Delta R.T. 0.006 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:216 Resp: 1033027

Ion	Ratio	Lower	Upper
216	100		
214	78.6	62.3	93.5
179	19.1	15.4	23.0
108	14.5	11.7	17.5



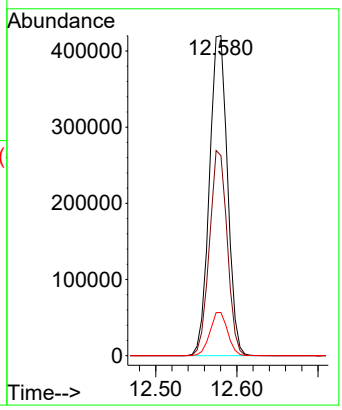


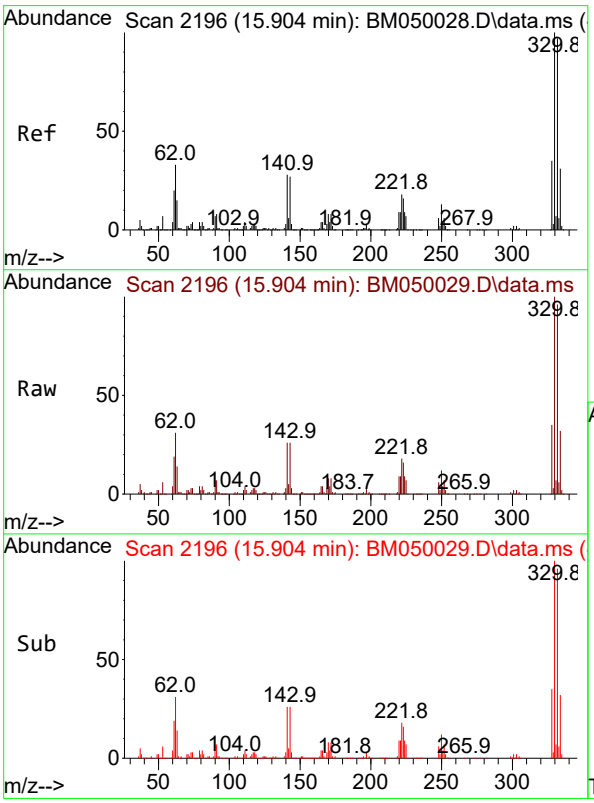
#41
Hexachlorocyclopentadiene
Concen: 55.336 ng
RT: 12.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 649060

Ion	Ratio	Lower	Upper
237	100		
235	62.6	42.9	82.9
272	13.5	0.0	32.9

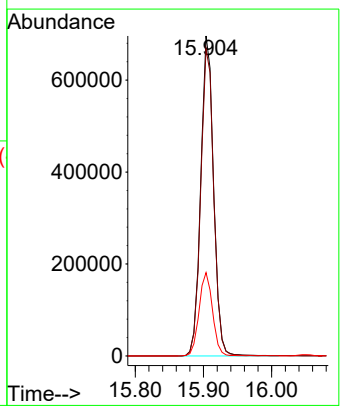


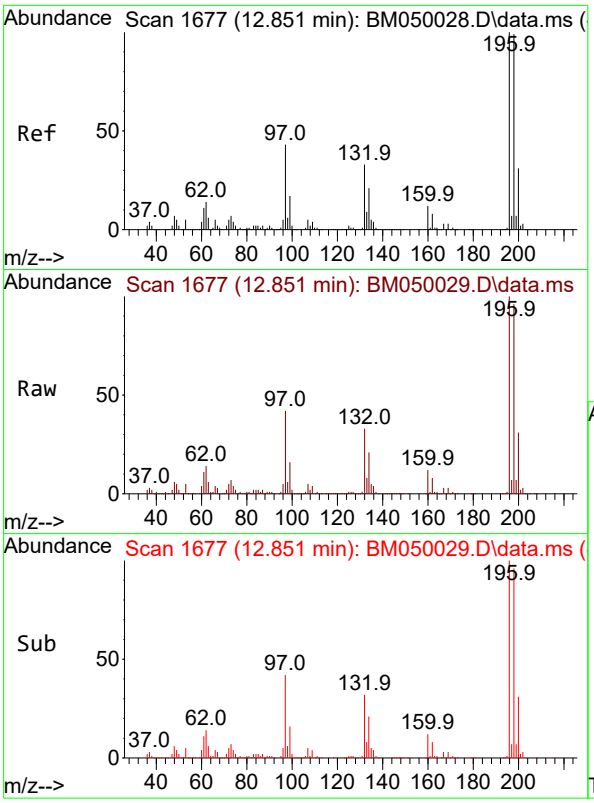


#42
2,4,6-Tribromophenol
Concen: 111.203 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:330 Resp: 911669

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.3	115.9
141	27.3	22.5	33.7



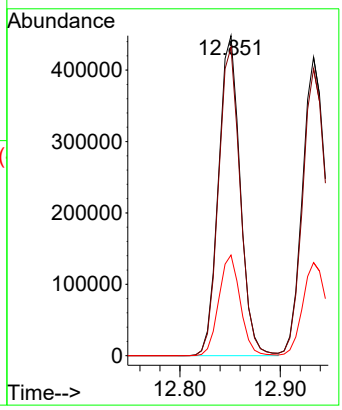


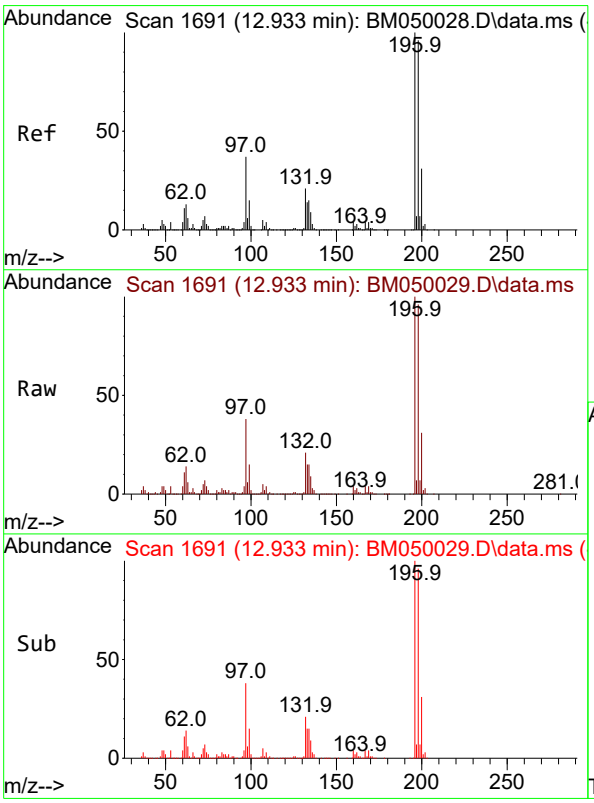
#43
2,4,6-Trichlorophenol
Concen: 55.275 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 672901

Ion	Ratio	Lower	Upper
196	100		
198	96.4	79.0	118.6
200	31.4	25.1	37.7

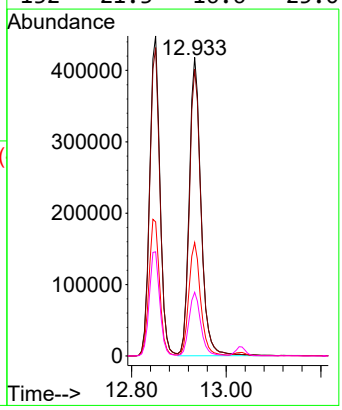


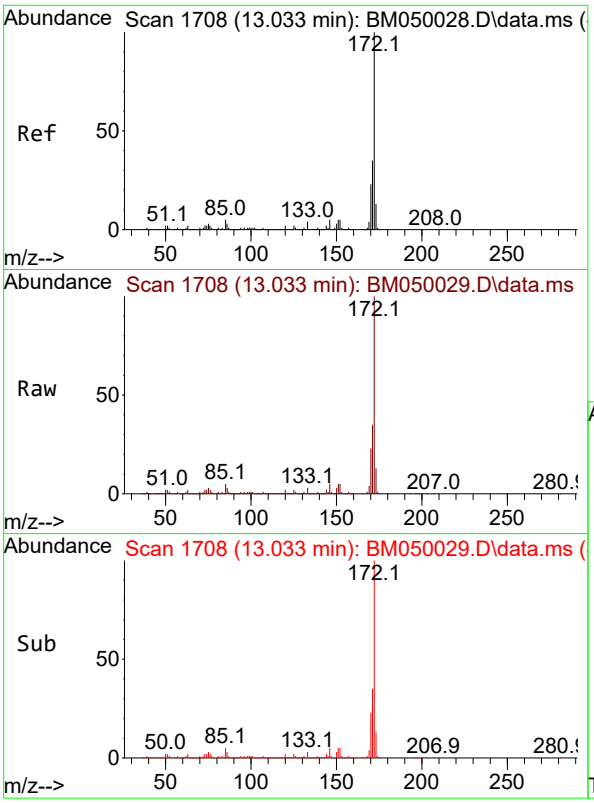


#44
2,4,5-Trichlorophenol
Concen: 54.841 ng
RT: 12.933 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:196 Resp: 719930

Ion	Ratio	Lower	Upper
196	100		
198	96.1	76.7	115.1
97	37.9	30.1	45.1
132	21.3	16.6	25.0



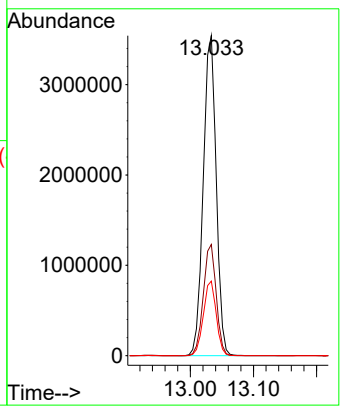


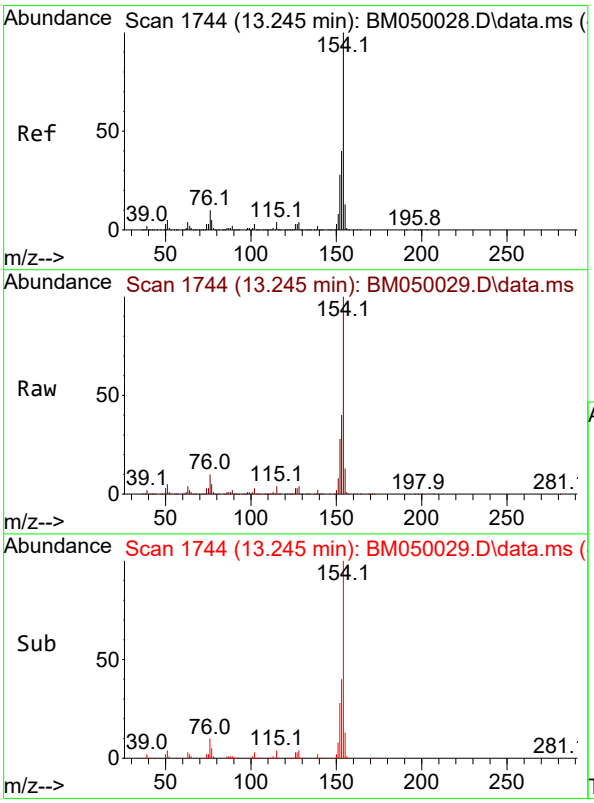
#45
2-Fluorobiphenyl
Concen: 107.775 ng
RT: 13.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 5051261

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.8	41.6
170	23.3	18.6	28.0

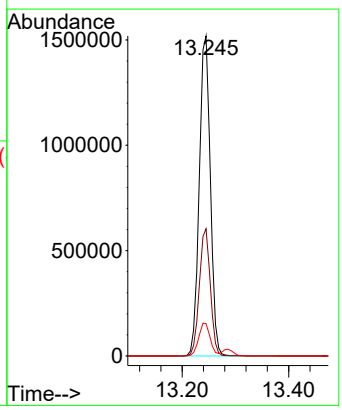


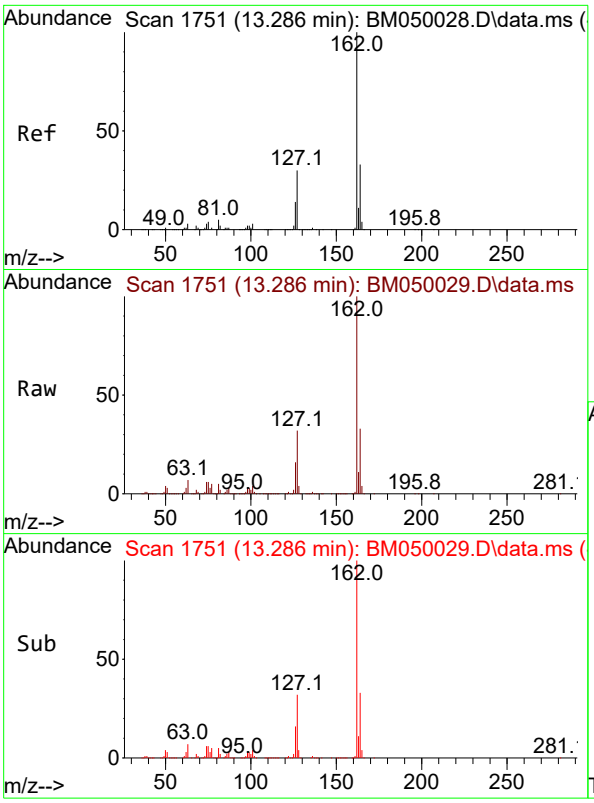


#46
1,1'-Biphenyl
Concen: 53.185 ng
RT: 13.245 min Scan# 1744
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:154 Resp: 2191996

Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.0	60.0
76	10.1	0.0	30.3



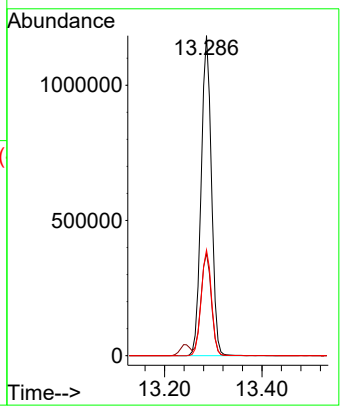


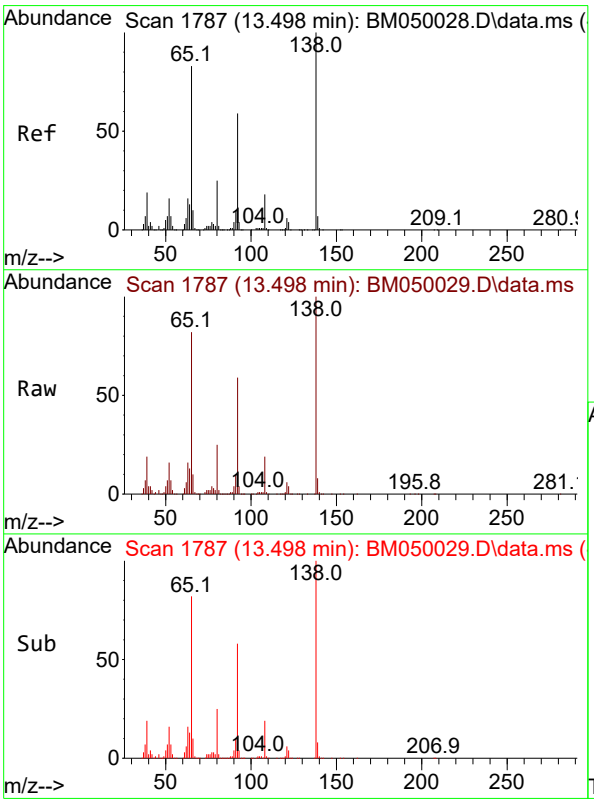
#47
2-Chloronaphthalene
Concen: 52.989 ng
RT: 13.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 1729678

Ion	Ratio	Lower	Upper
162	100		
127	32.1	25.9	38.9
164	33.1	26.6	40.0

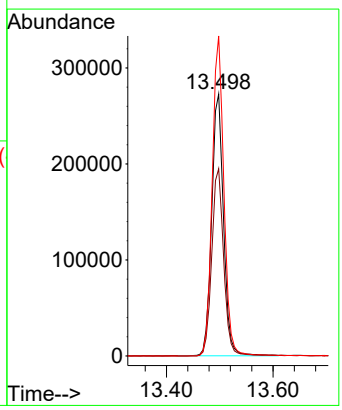


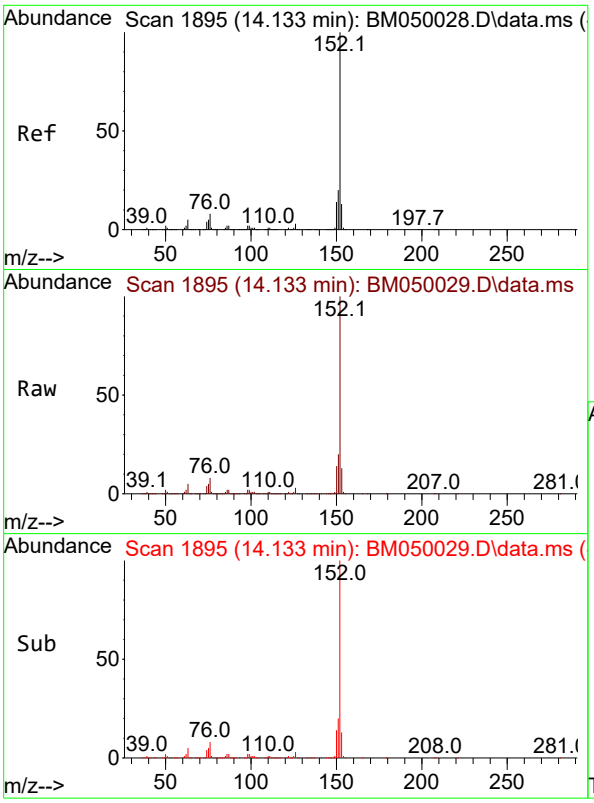


#48
2-Nitroaniline
Concen: 55.016 ng
RT: 13.498 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion: 65 Resp: 421489

Ion	Ratio	Lower	Upper
65	100		
92	71.5	57.1	85.7
138	122.2	97.0	145.4



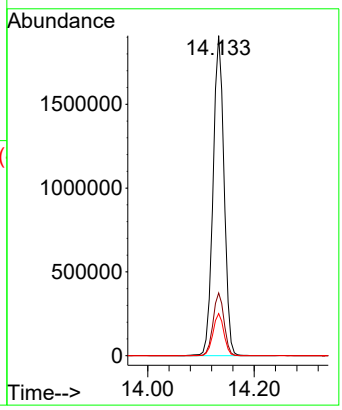


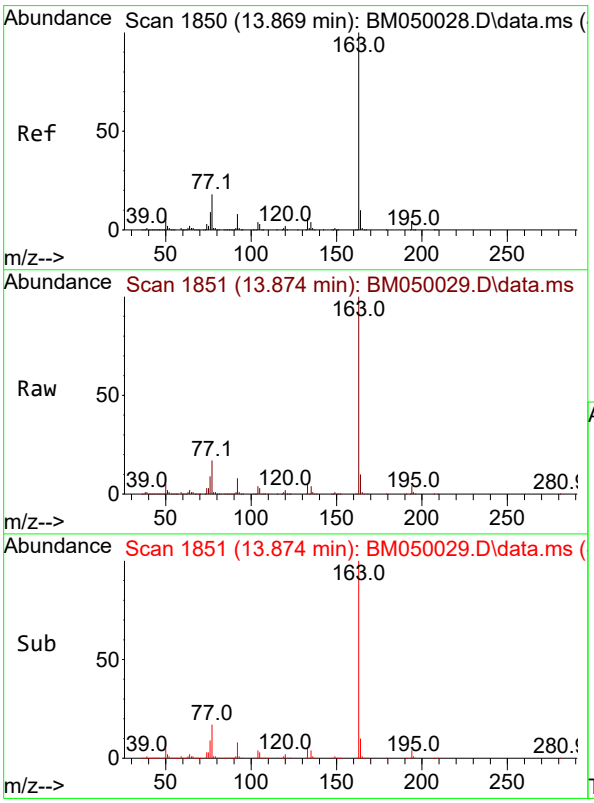
#49
Acenaphthylene
Concen: 53.082 ng
RT: 14.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 2731966

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	13.1	10.6	15.8

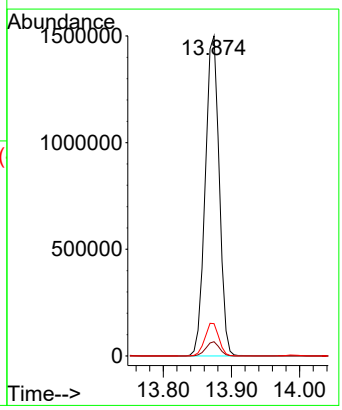


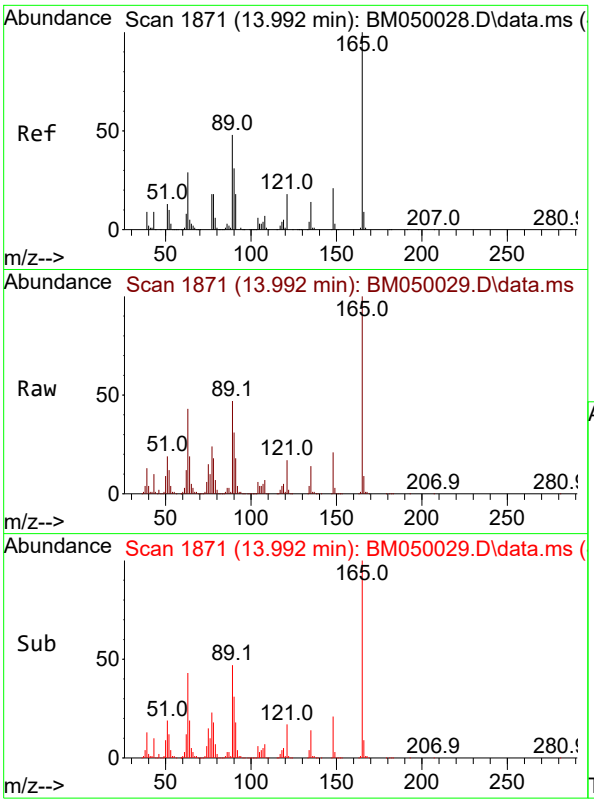


#50
Dimethylphthalate
Concen: 52.770 ng
RT: 13.874 min Scan# 1851
Delta R.T. 0.006 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:163 Resp: 2138242

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.1	8.2	12.2



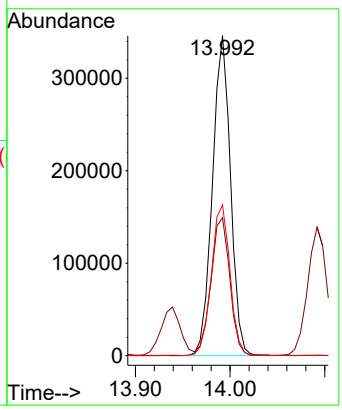


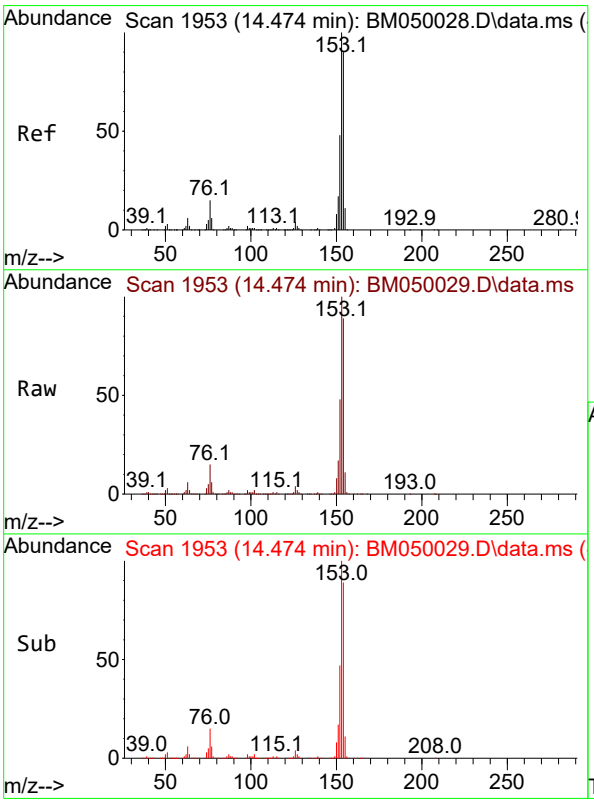
#51
2,6-Dinitrotoluene
Concen: 54.650 ng
RT: 13.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 458476

Ion	Ratio	Lower	Upper
165	100		
63	43.1	35.1	52.7
89	47.1	38.4	57.6

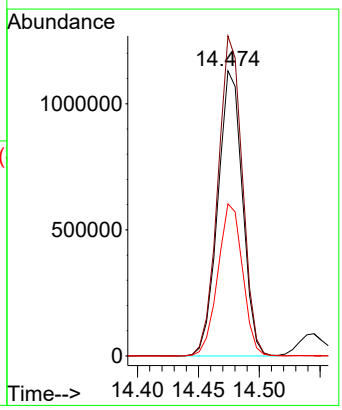


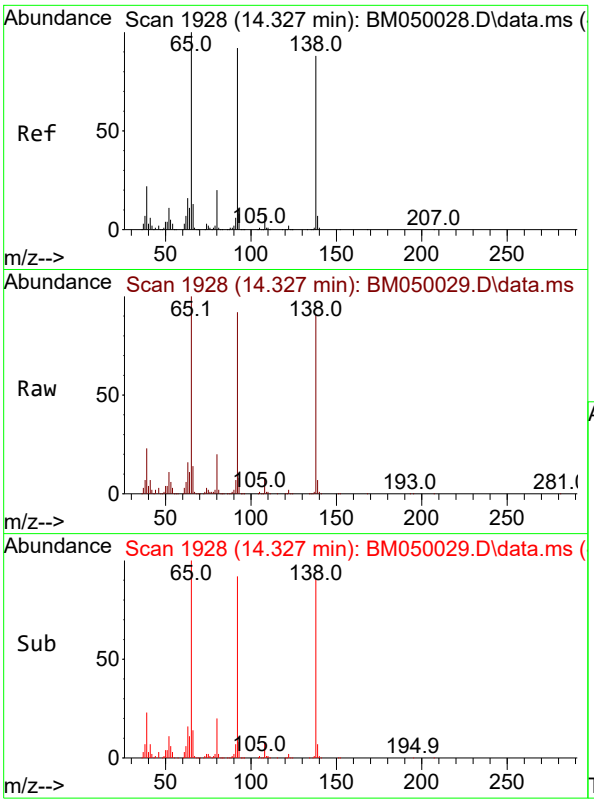


#52
Acenaphthene
Concen: 53.287 ng
RT: 14.474 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:154 Resp: 1587472

Ion	Ratio	Lower	Upper
154	100		
153	112.2	89.0	133.4
152	53.4	43.0	64.6



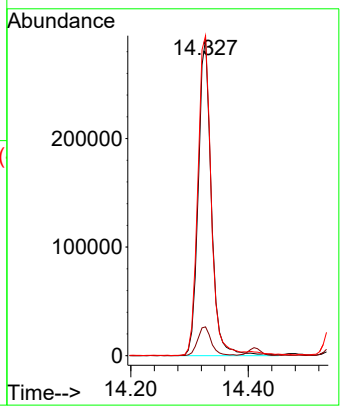


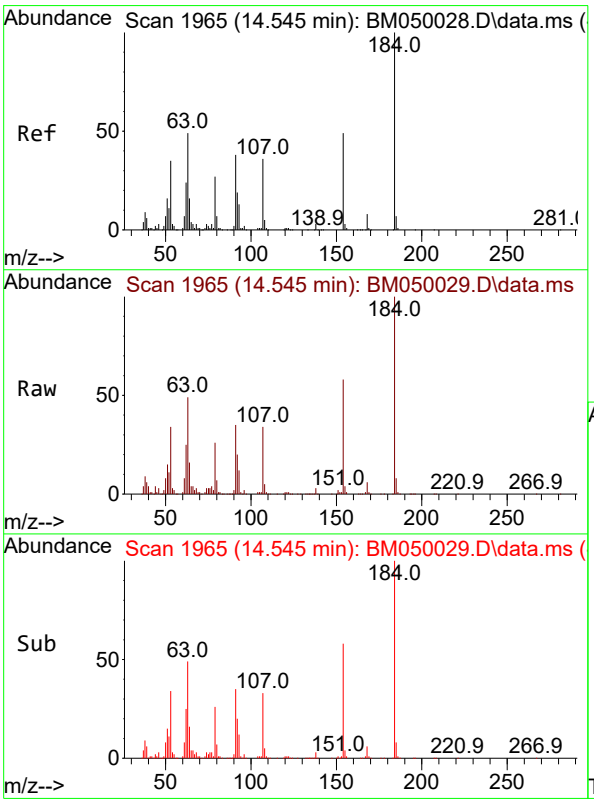
#53
3-Nitroaniline
Concen: 56.186 ng
RT: 14.327 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 450021

Ion	Ratio	Lower	Upper
138	100		
108	9.1	7.4	11.2
92	101.0	84.0	126.0

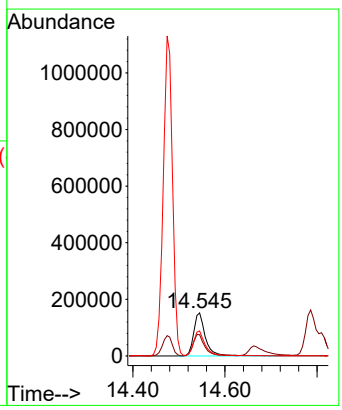


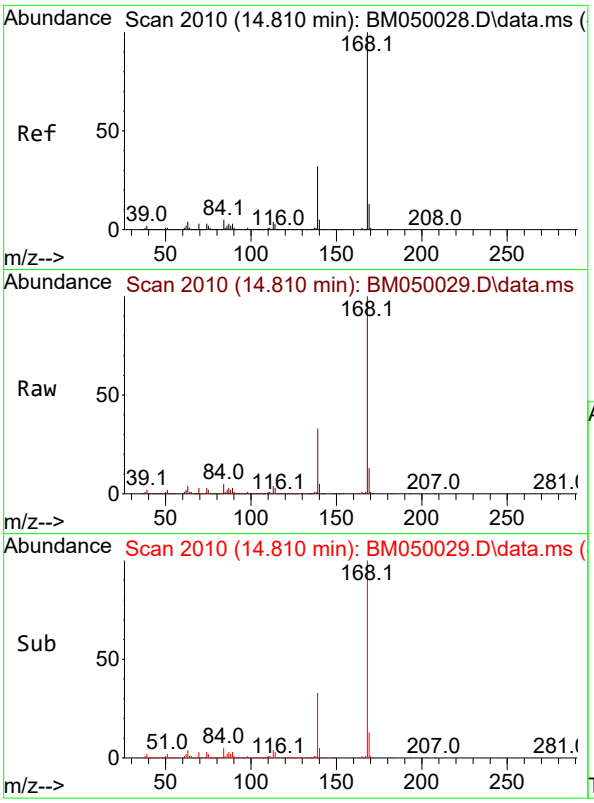


#54
2,4-Dinitrophenol
Concen: 52.338 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:184 Resp: 269515

Ion	Ratio	Lower	Upper
184	100		
63	49.3	39.8	59.6
154	58.0	46.1	69.1



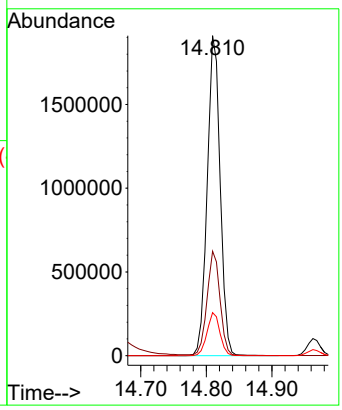


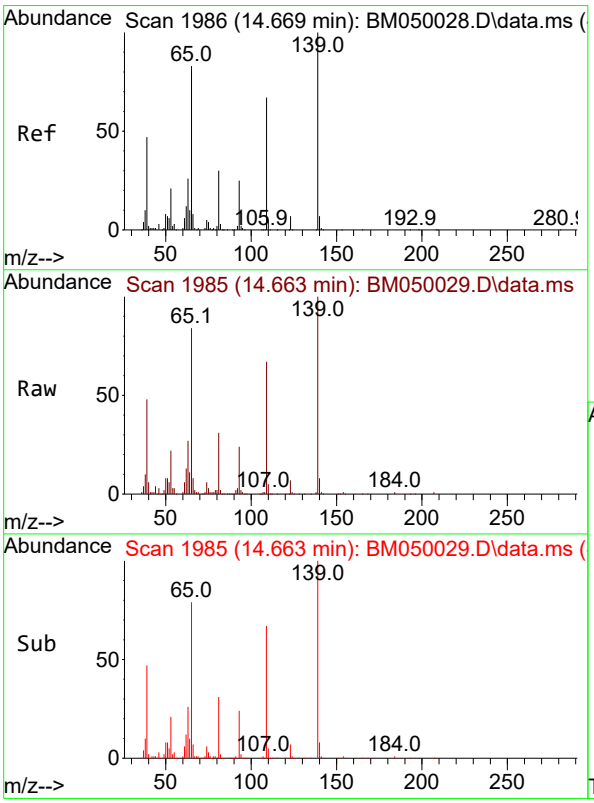
#55
Dibenzofuran
Concen: 52.809 ng
RT: 14.810 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 2617489

Ion	Ratio	Lower	Upper
168	100		
139	32.6	26.1	39.1
169	13.5	10.8	16.2

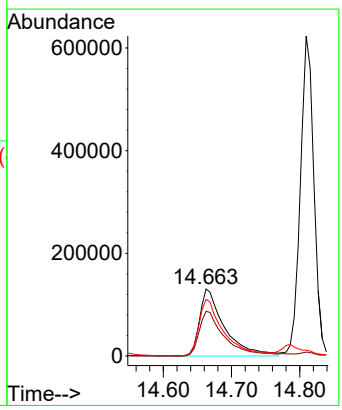


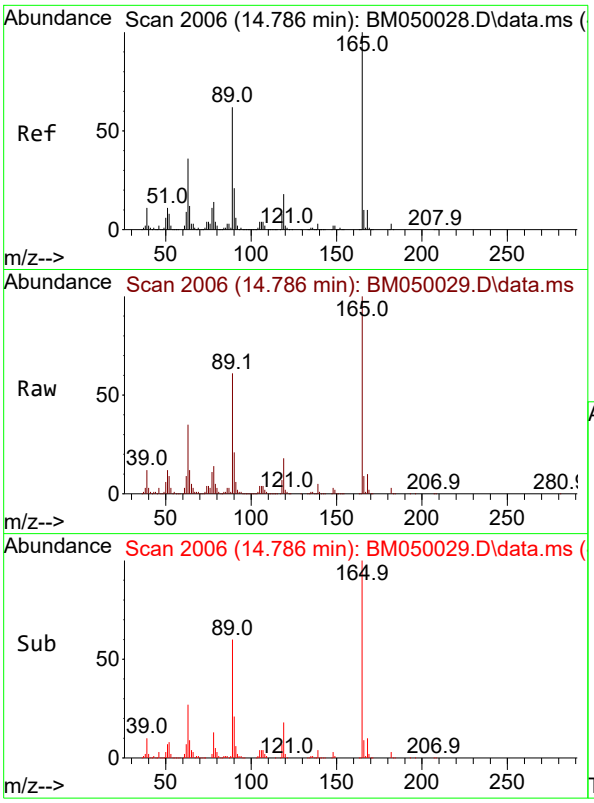


#56
4-Nitrophenol
Concen: 52.029 ng
RT: 14.663 min Scan# 1985
Delta R.T. -0.007 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:139 Resp: 328078

Ion	Ratio	Lower	Upper
139	100		
109	66.7	47.0	87.0
65	84.3	64.3	104.3



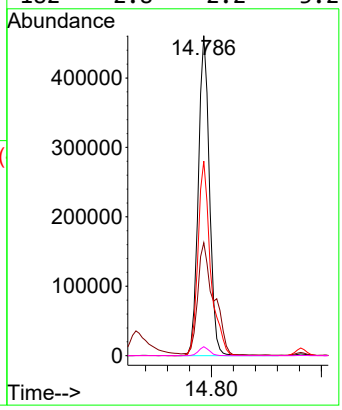


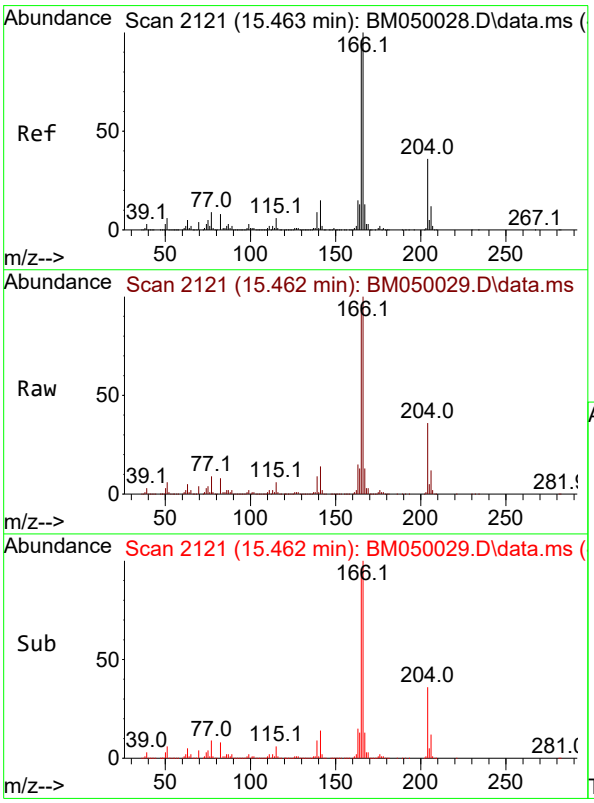
#57
2,4-Dinitrotoluene
Concen: 55.921 ng
RT: 14.786 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 648262

Ion	Ratio	Lower	Upper
165	100		
63	35.3	29.0	43.6
89	60.8	49.4	74.2
182	2.8	2.2	3.2

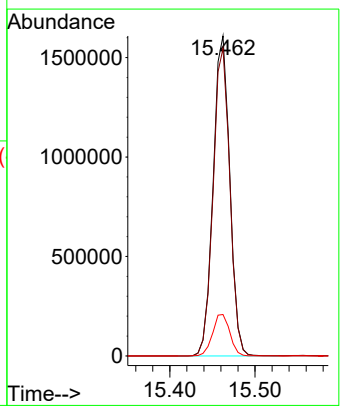


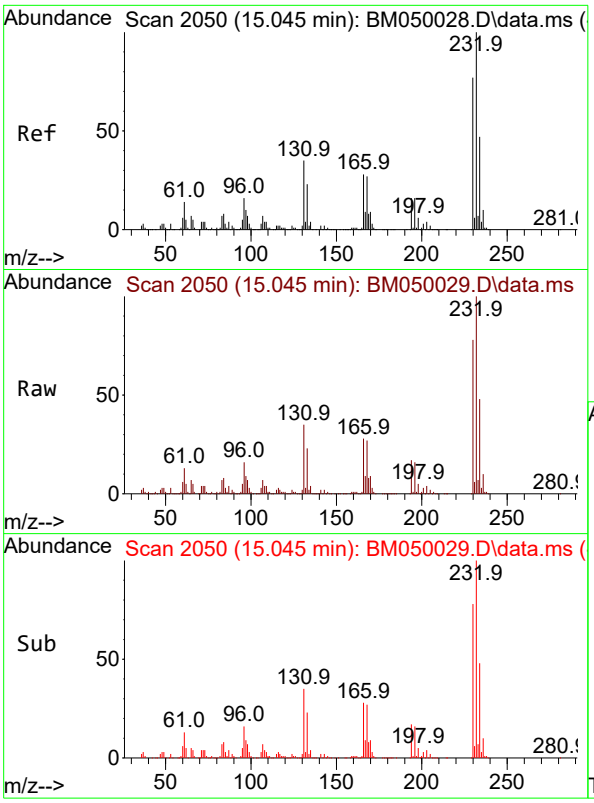


#58
Fluorene
Concen: 53.740 ng
RT: 15.462 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:166 Resp: 2180247

Ion	Ratio	Lower	Upper
166	100		
165	96.1	76.6	115.0
167	13.0	10.6	16.0



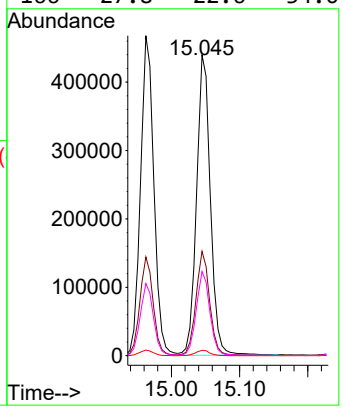


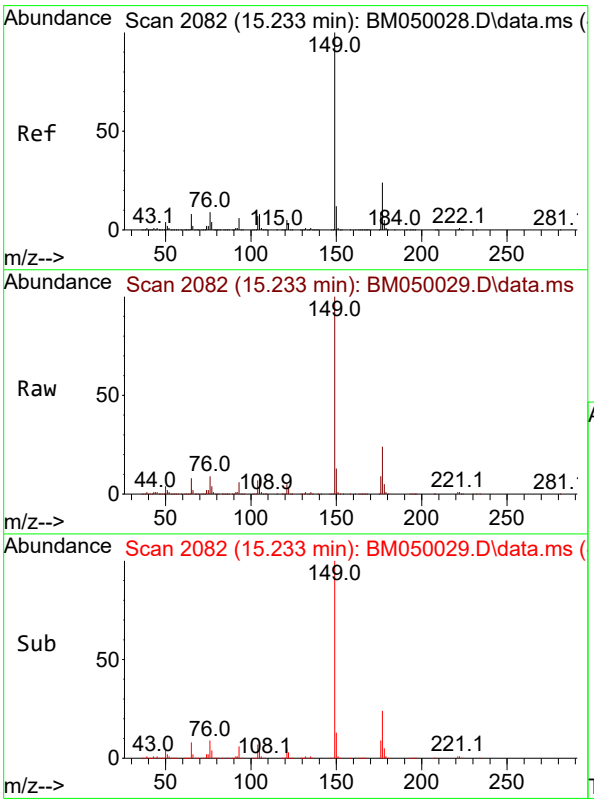
#59
2,3,4,6-Tetrachlorophenol
Concen: 54.311 ng
RT: 15.045 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 617151

Ion	Ratio	Lower	Upper
232	100		
131	34.5	28.2	42.4
130	1.9	1.5	2.3
166	27.8	22.6	34.0

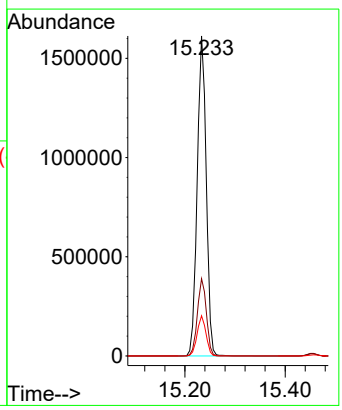


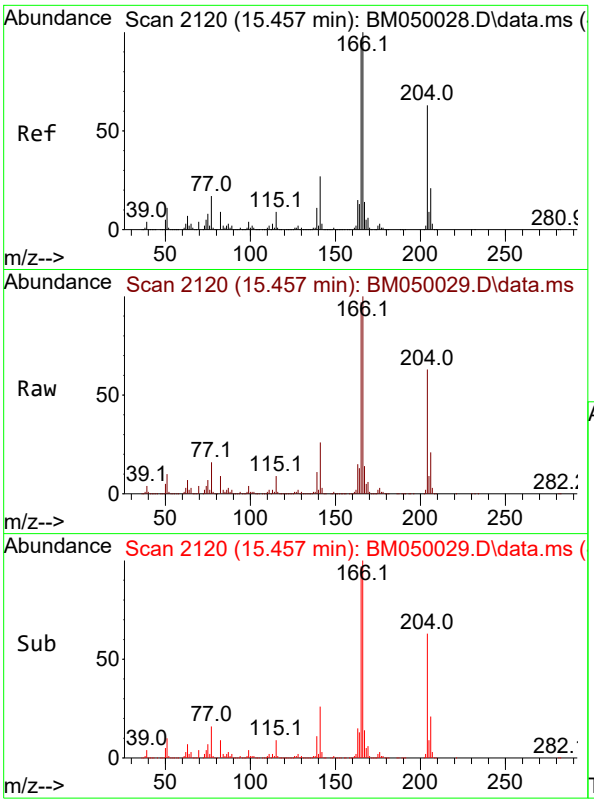


#60
Diethylphthalate
Concen: 52.691 ng
RT: 15.233 min Scan# 2082
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:149 Resp: 2011763

Ion	Ratio	Lower	Upper
149	100		
177	24.1	19.1	28.7
150	12.5	9.6	14.4



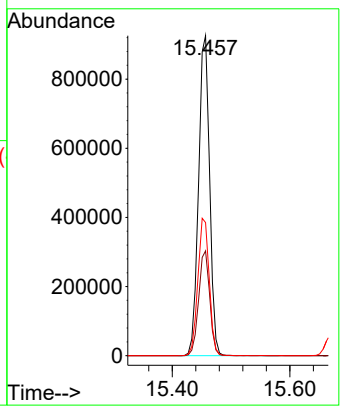


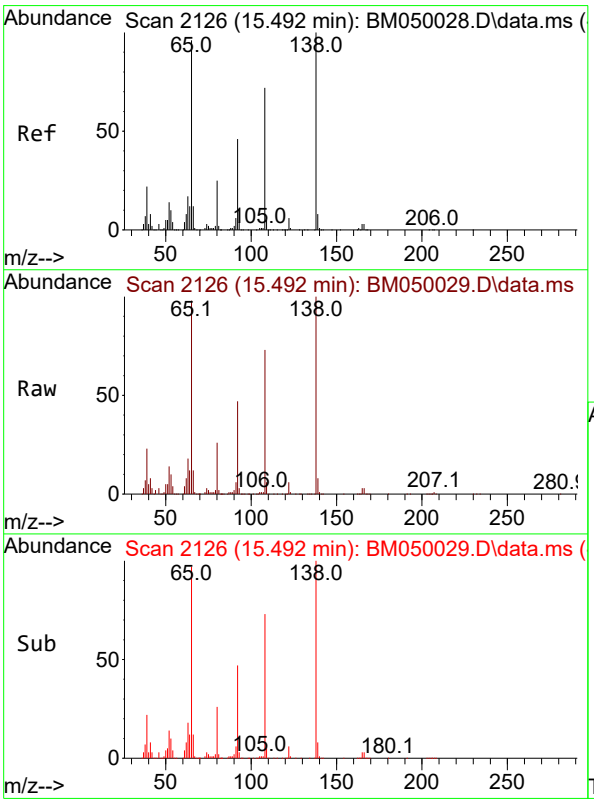
#61
4-Chlorophenyl-phenylether
Concen: 54.188 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 1207514

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.3	39.5
141	41.6	34.0	51.0

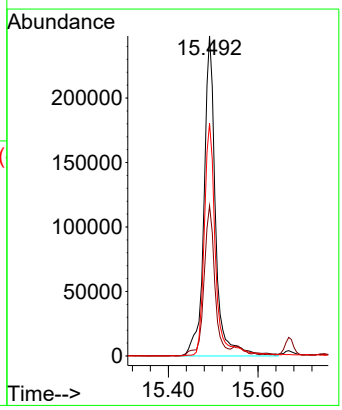


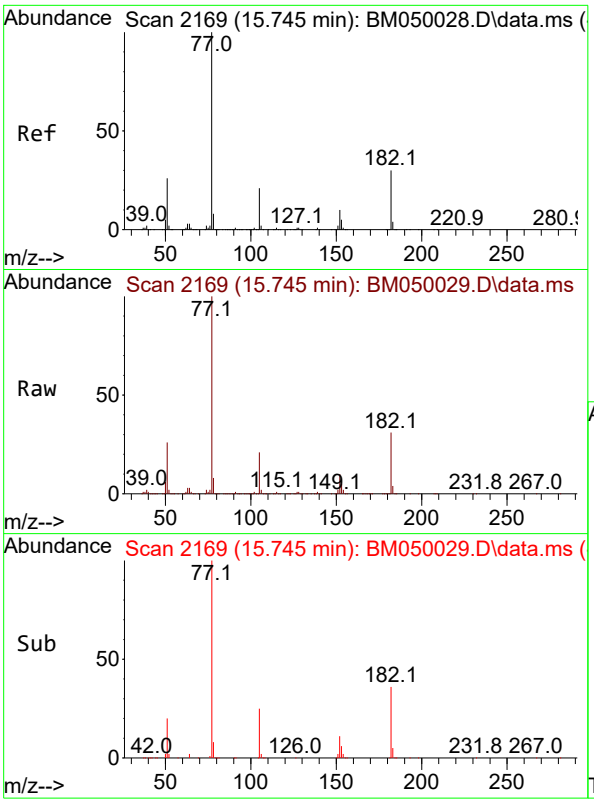


#62
4-Nitroaniline
Concen: 57.612 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:138 Resp: 445520

Ion	Ratio	Lower	Upper
138	100		
92	46.9	25.9	65.9
108	72.7	52.4	92.4



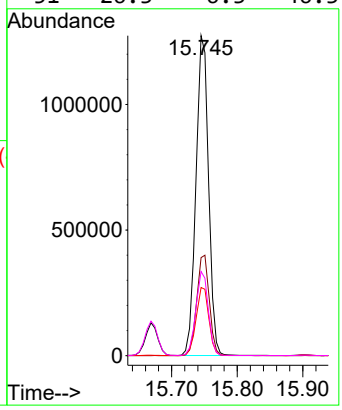


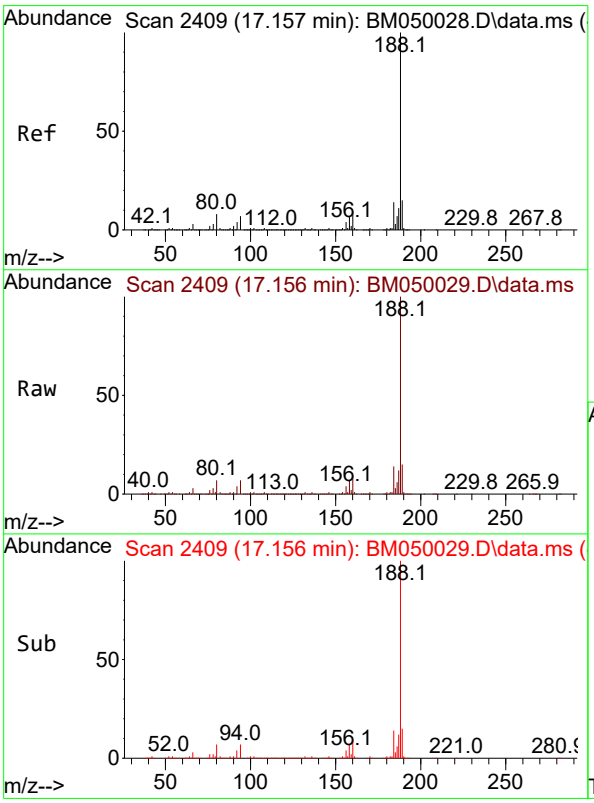
#63
Azobenzene
Concen: 53.251 ng
RT: 15.745 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 1703932

Ion	Ratio	Lower	Upper
77	100		
182	30.7	10.5	50.5
105	21.3	1.1	41.1
51	26.3	6.3	46.3

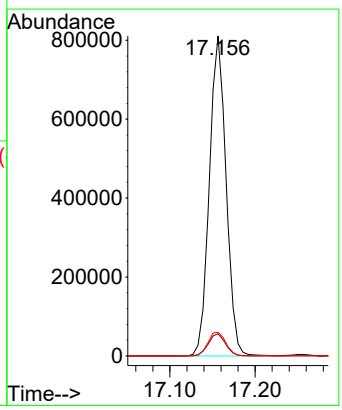


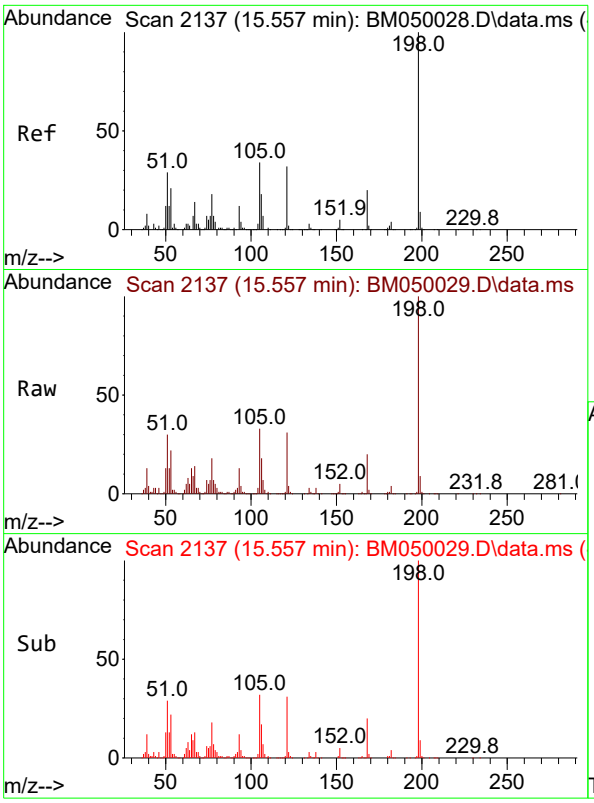


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.156 min Scan# 2409
Delta R.T. -0.001 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:188 Resp: 1105769

Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.7	8.5
80	7.4	6.2	9.4



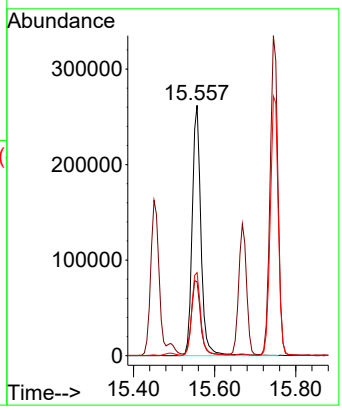


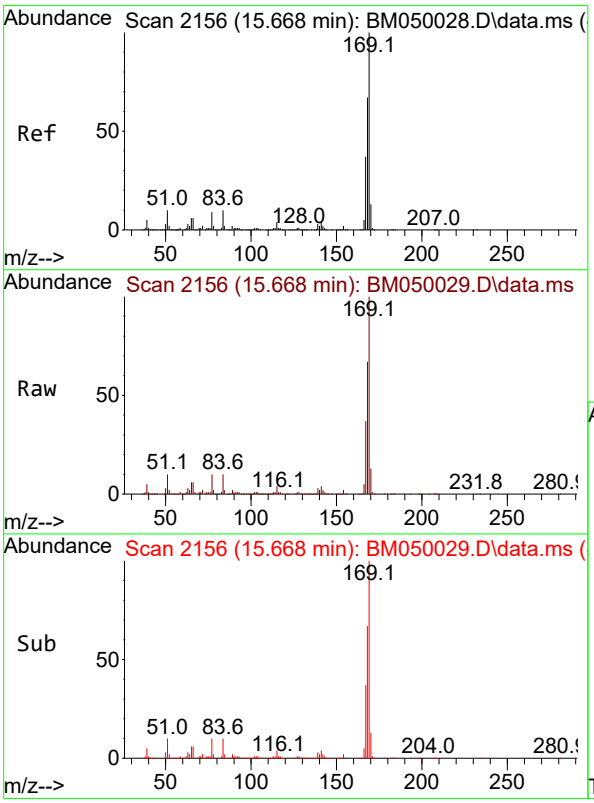
#65
4,6-Dinitro-2-methylphenol
Concen: 56.806 ng
RT: 15.557 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 393191

Ion	Ratio	Lower	Upper
198	100		
51	29.5	10.4	50.4
105	33.1	14.6	54.6

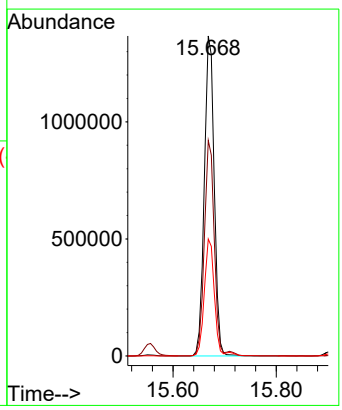


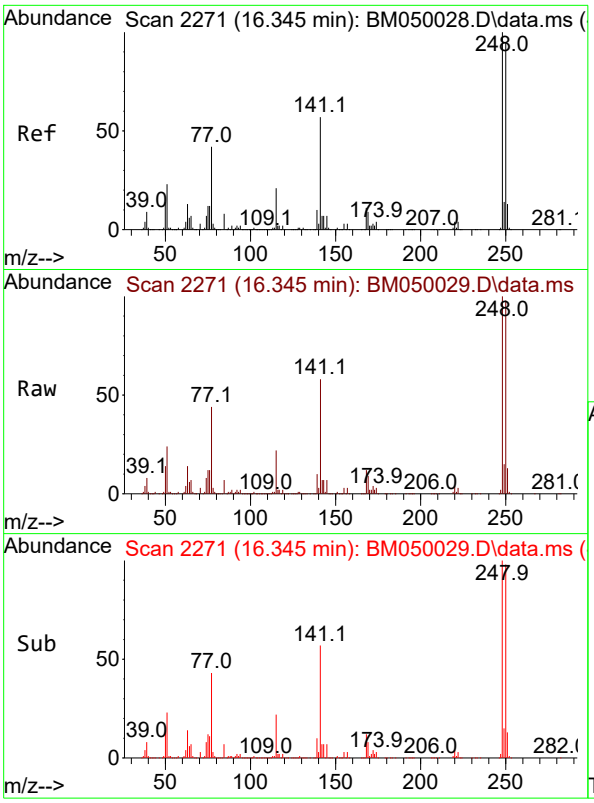


#66
n-Nitrosodiphenylamine
Concen: 53.474 ng
RT: 15.668 min Scan# 2156
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:169 Resp: 1815723

Ion	Ratio	Lower	Upper
169	100		
168	67.4	53.4	80.2
167	36.5	29.4	44.0



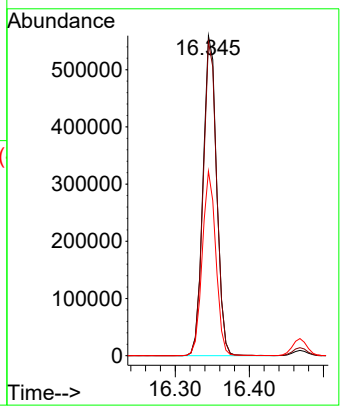


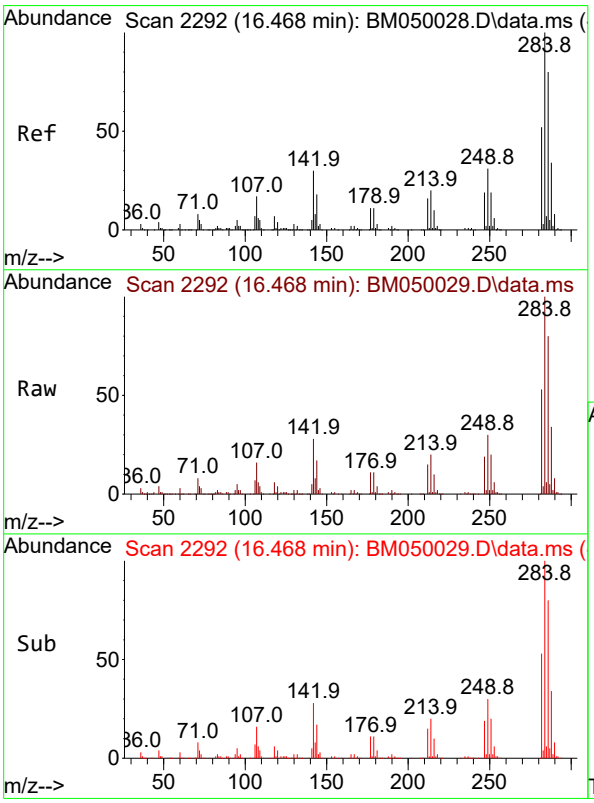
#67
4-Bromophenyl-phenylether
Concen: 53.359 ng
RT: 16.345 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 713498

Ion	Ratio	Lower	Upper
248	100		
250	98.1	76.2	114.2
141	57.6	45.9	68.9

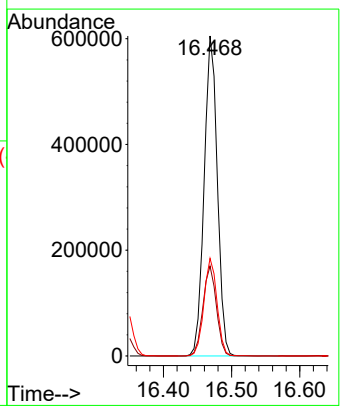


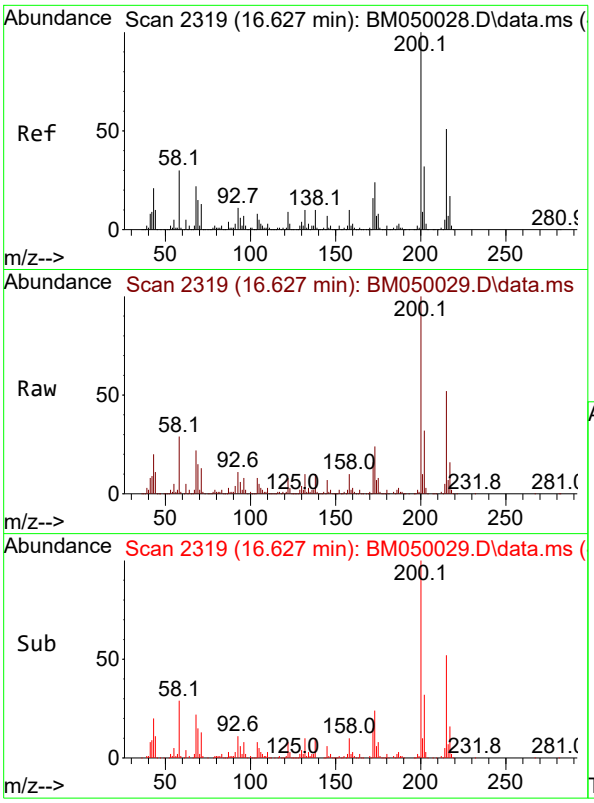


#68
Hexachlorobenzene
Concen: 52.900 ng
RT: 16.468 min Scan# 2292
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:284 Resp: 815392

Ion	Ratio	Lower	Upper
284	100		
142	28.1	23.9	35.9
249	30.5	24.5	36.7



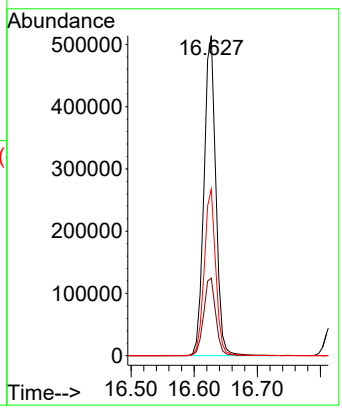


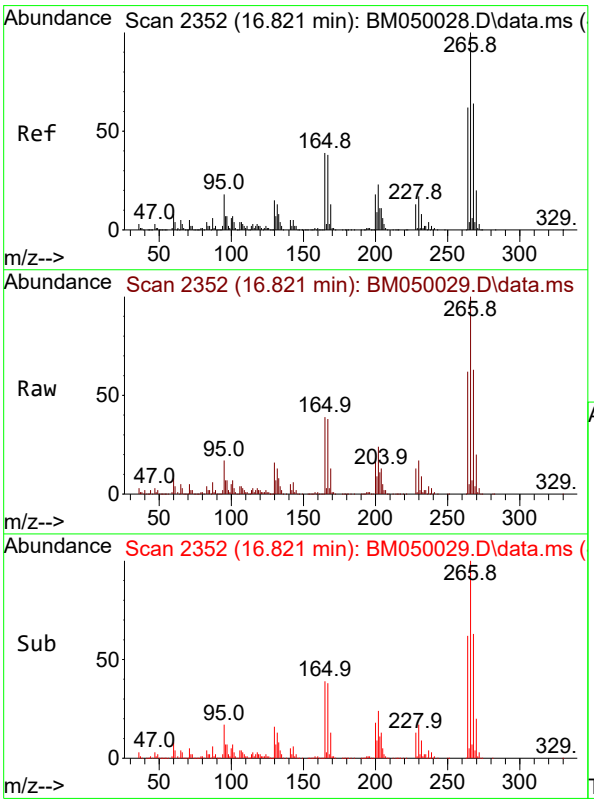
#69
Atrazine
Concen: 54.648 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 669330

Ion	Ratio	Lower	Upper
200	100		
173	24.3	4.3	44.3
215	52.1	30.6	70.6

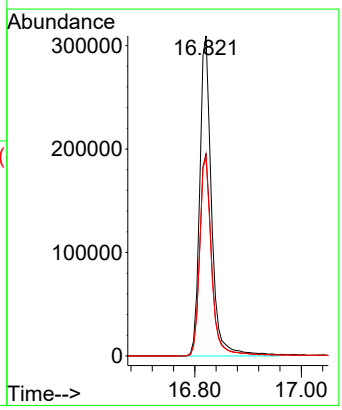


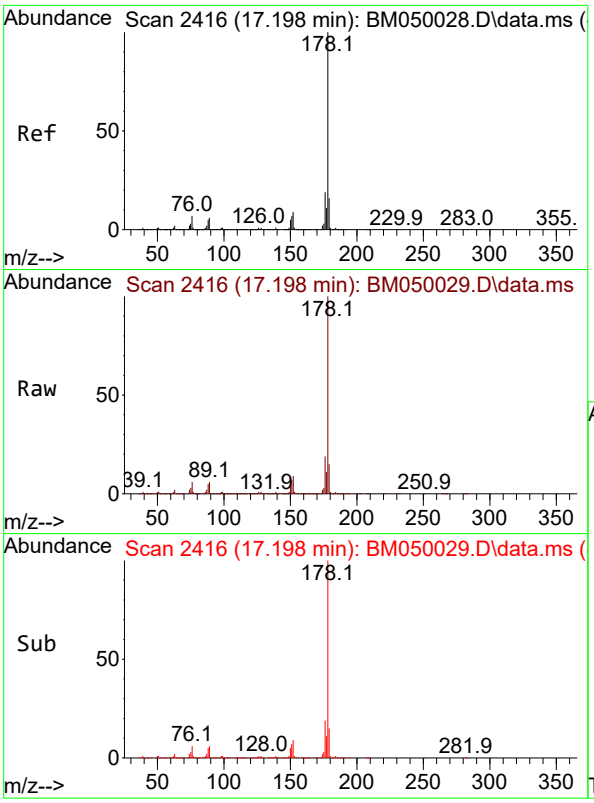


#70
Pentachlorophenol
Concen: 54.830 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:266 Resp: 475717

Ion	Ratio	Lower	Upper
266	100		
268	63.2	51.2	76.8
264	62.0	49.6	74.4



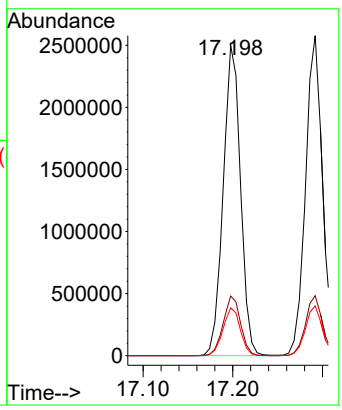


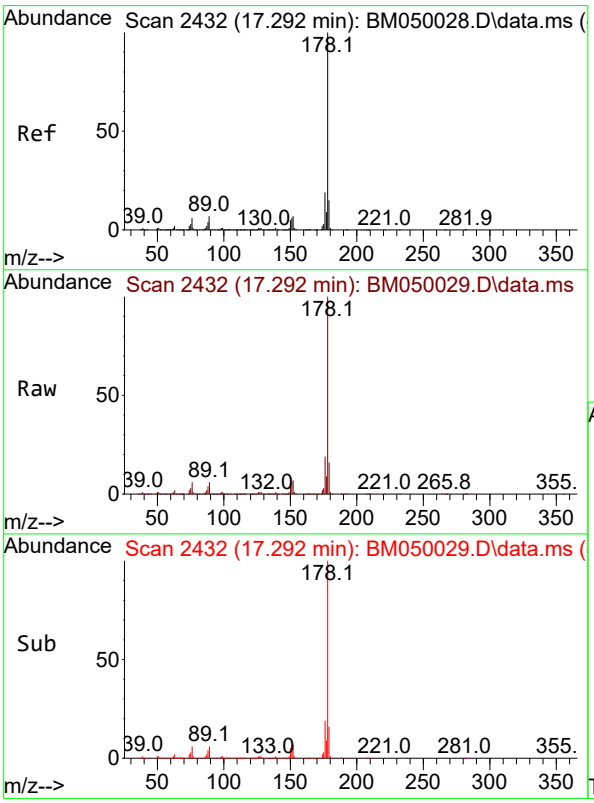
#71
Phenanthrene
Concen: 53.702 ng
RT: 17.198 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 3349195

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.4	12.4	18.6

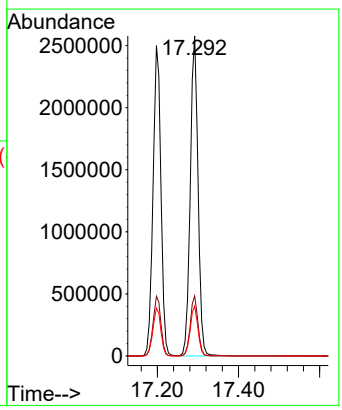


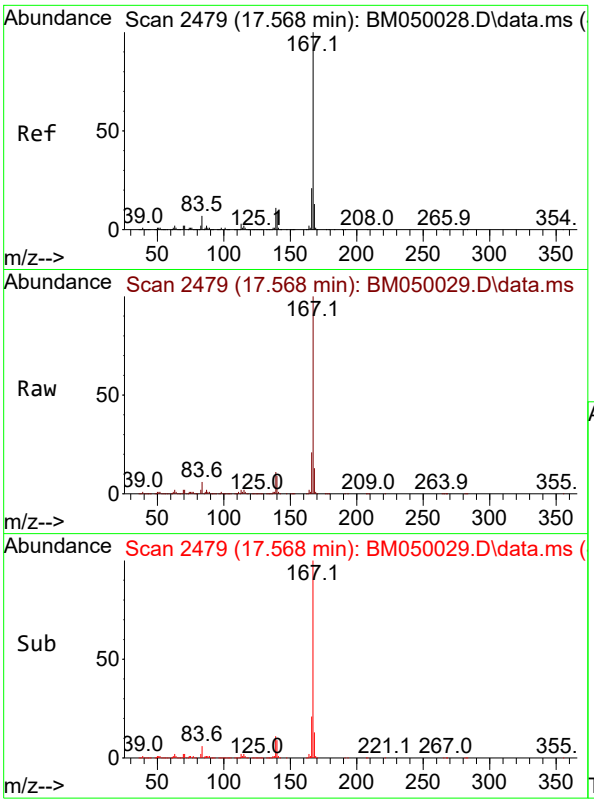


#72
Anthracene
Concen: 54.143 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:178 Resp: 3417239

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.6	12.2	18.4



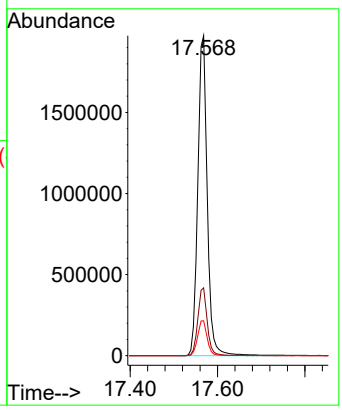


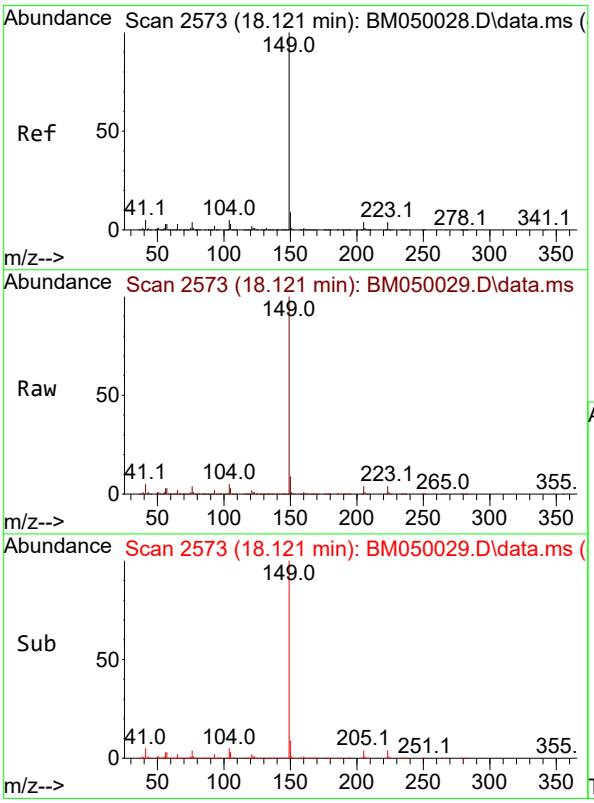
#73
Carbazole
Concen: 54.260 ng
RT: 17.568 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 2971695

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.2	25.8
139	10.9	9.0	13.6

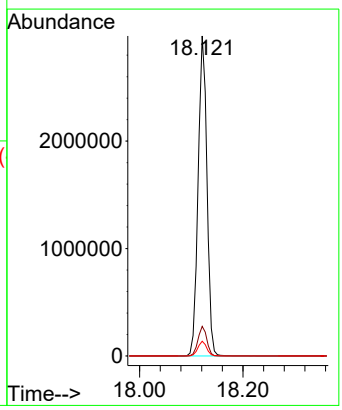


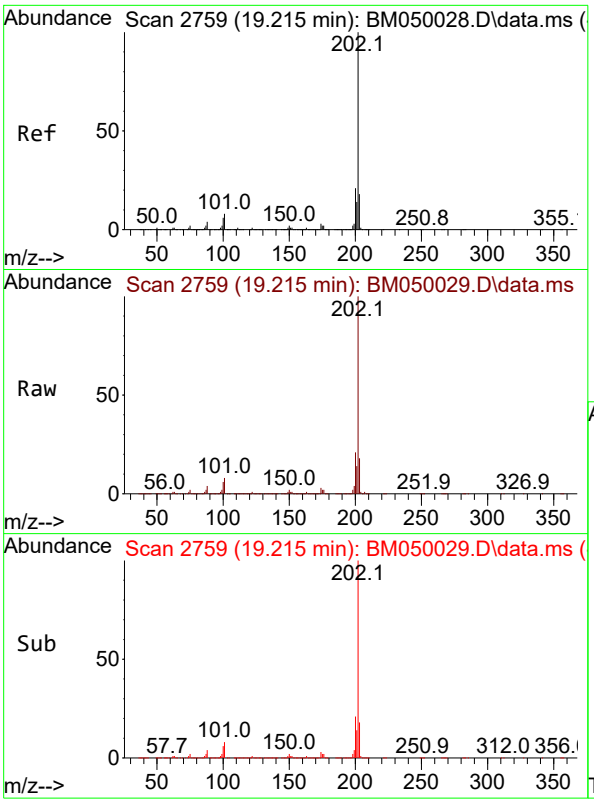


#74
Di-n-butylphthalate
Concen: 54.137 ng
RT: 18.121 min Scan# 2573
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:149 Resp: 3530893

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.6	3.8	5.6



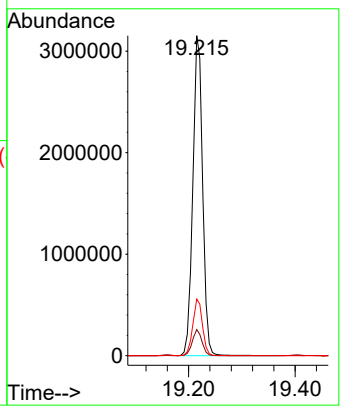


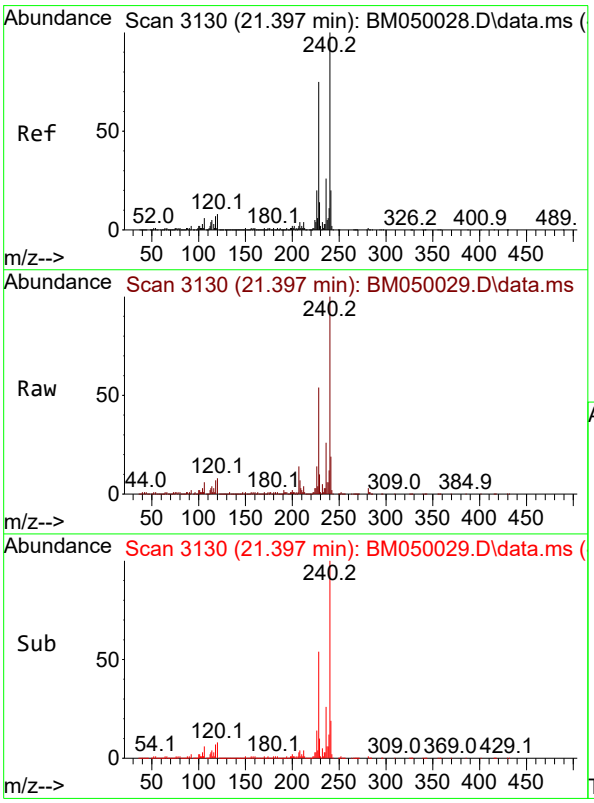
#75
Fluoranthene
Concen: 54.922 ng
RT: 19.215 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 4021516

Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	28.0
203	17.7	0.0	37.7

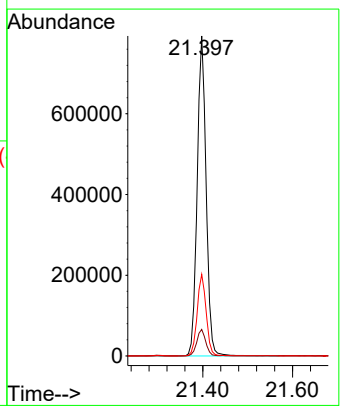


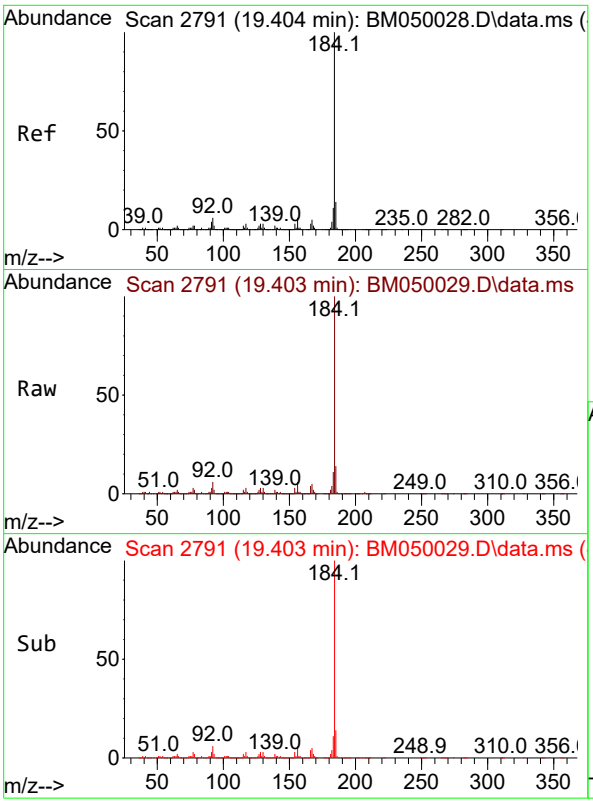


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. 0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:240 Resp: 1097646

Ion	Ratio	Lower	Upper
240	100		
120	8.3	6.5	9.7
236	25.5	20.9	31.3



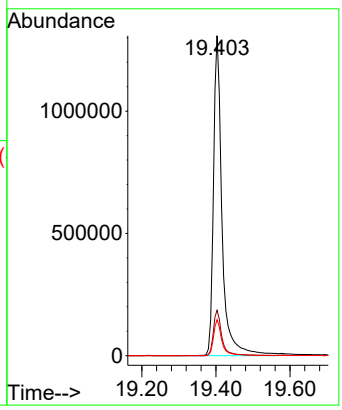


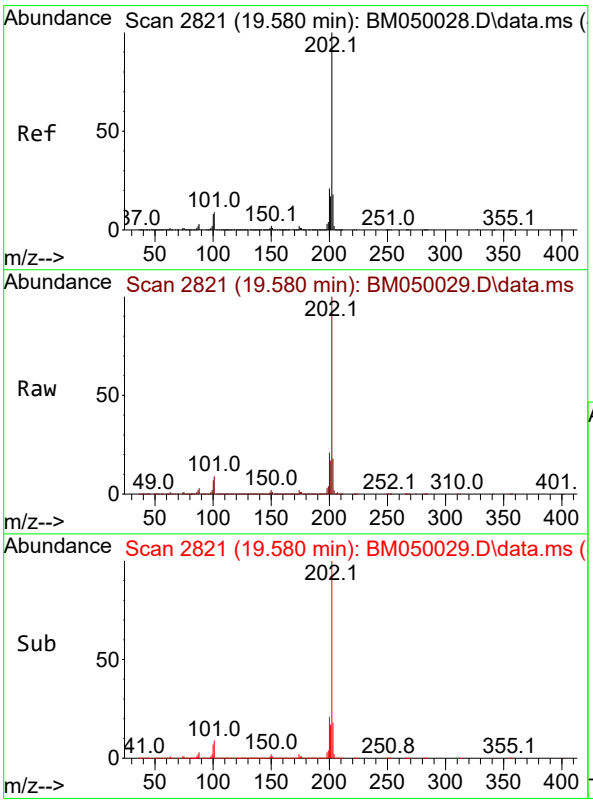
#77
Benzidine
Concen: 54.137 ng
RT: 19.403 min Scan# 2
Delta R.T. -0.001 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 2110748

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.5	17.3
183	11.2	8.9	13.3

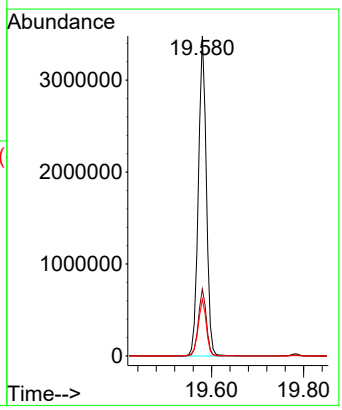


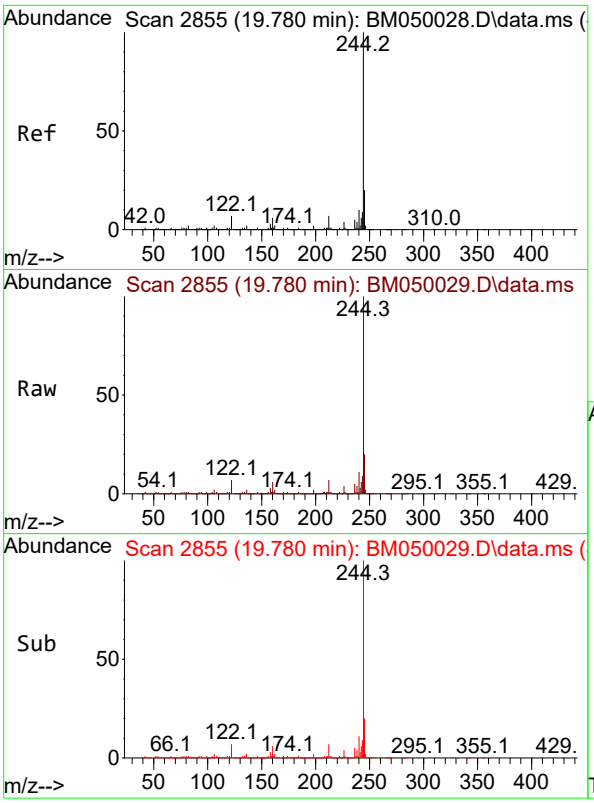


#78
Pyrene
Concen: 54.097 ng
RT: 19.580 min Scan# 2821
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:202 Resp: 4169831

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.7	14.1	21.1



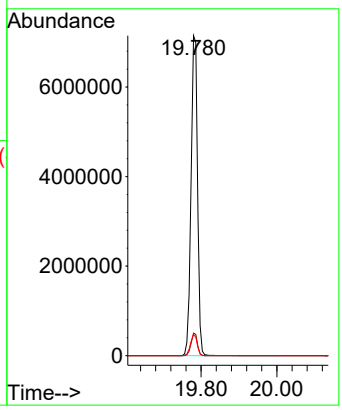


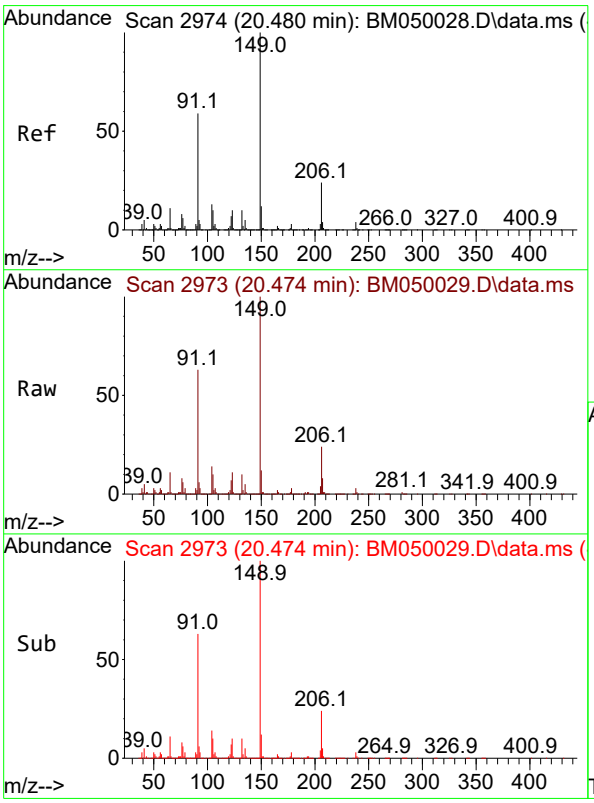
#79
Terphenyl-d14
Concen: 114.020 ng
RT: 19.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 8457811

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	6.7	5.6	8.4

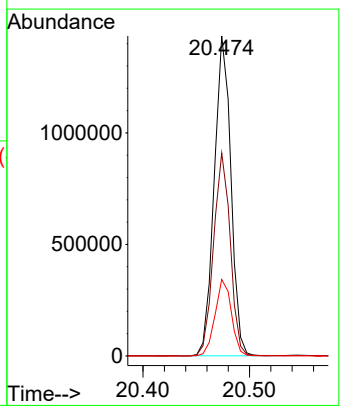


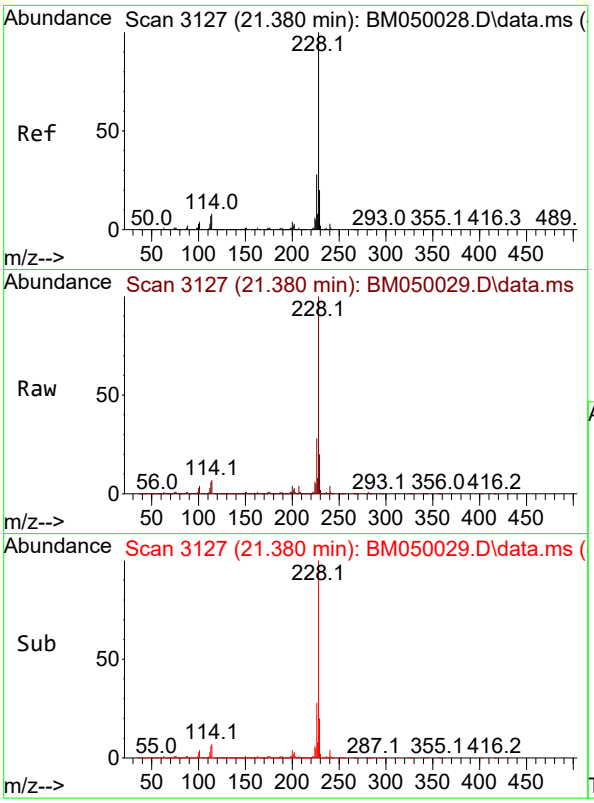


#80
Butylbenzylphthalate
Concen: 53.948 ng
RT: 20.474 min Scan# 2973
Delta R.T. -0.006 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:149 Resp: 1557463

Ion	Ratio	Lower	Upper
149	100		
91	63.4	47.4	71.2
206	23.9	19.4	29.0



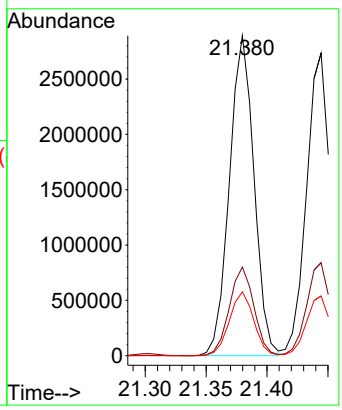


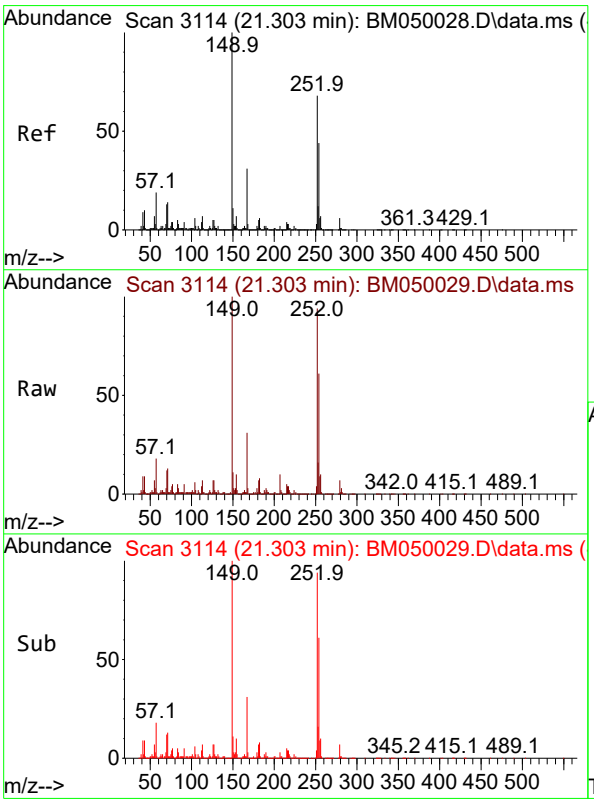
#81
Benzo(a)anthracene
Concen: 53.687 ng
RT: 21.380 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 4058011

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.1	33.1
229	20.0	15.7	23.5

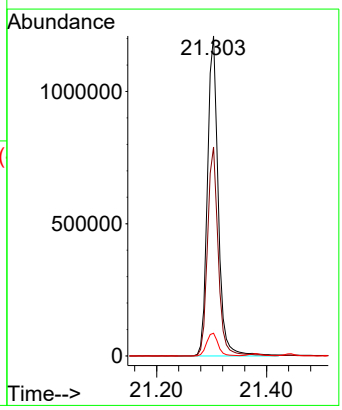


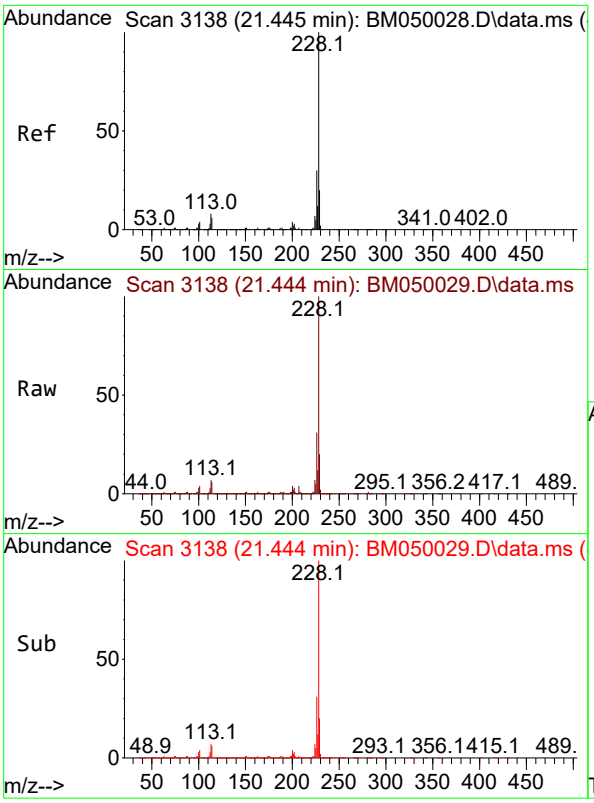


#82
3,3'-Dichlorobenzidine
Concen: 56.659 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:252 Resp: 1639448

Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.8	77.6
126	7.1	6.0	9.0



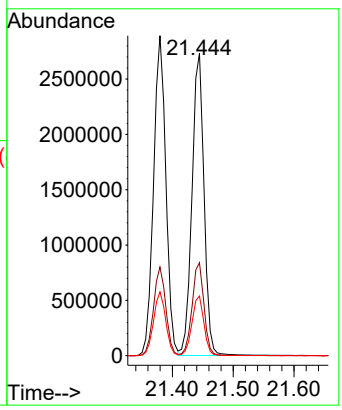


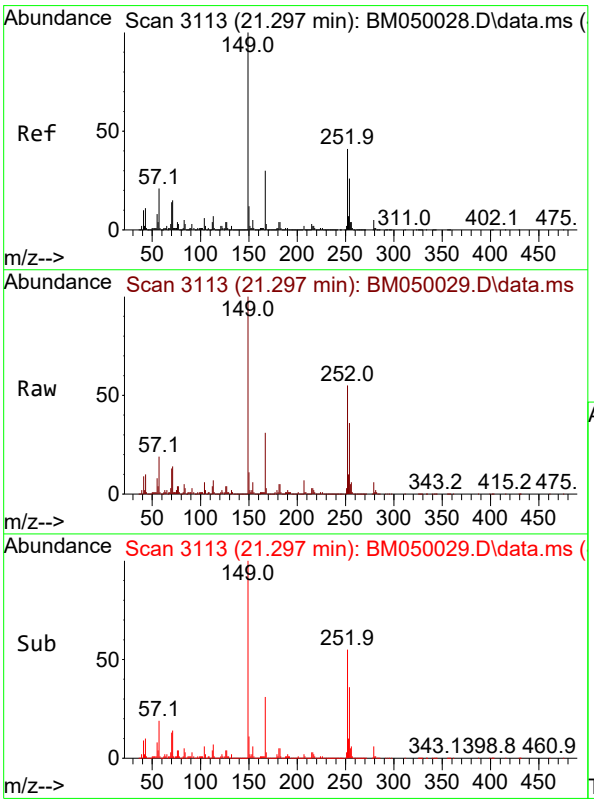
#83
Chrysene
Concen: 53.683 ng
RT: 21.444 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 3755543

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.2	36.2
229	19.7	15.7	23.5

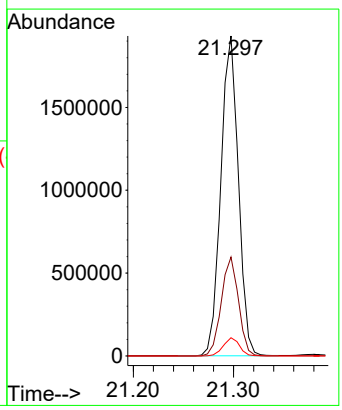


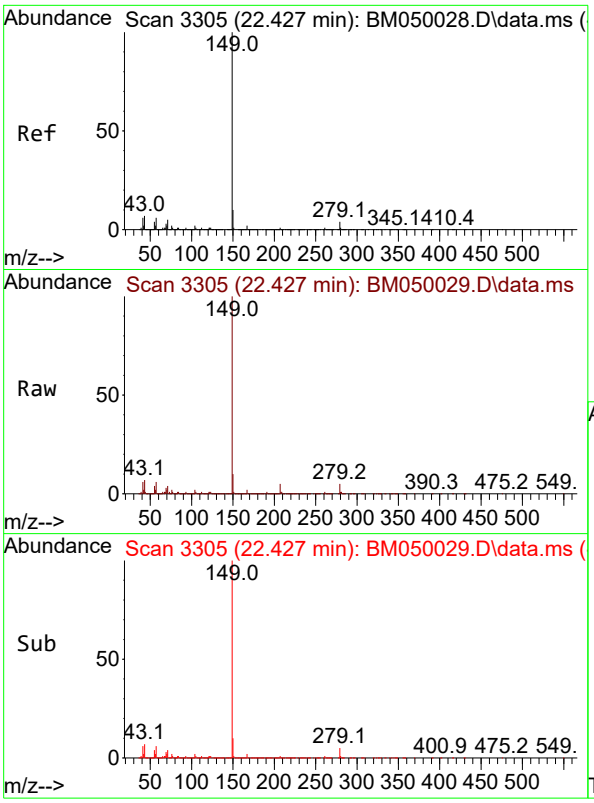


#84
Bis(2-ethylhexyl)phthalate
Concen: 54.194 ng
RT: 21.297 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:149 Resp: 2336926

Ion	Ratio	Lower	Upper
149	100		
167	30.9	24.1	36.1
279	5.7	3.9	5.9



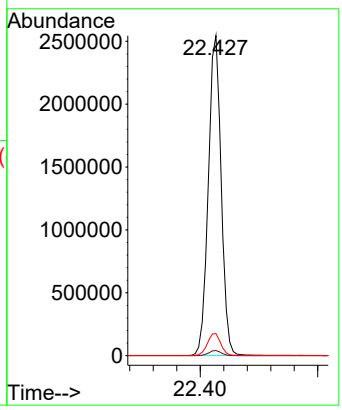


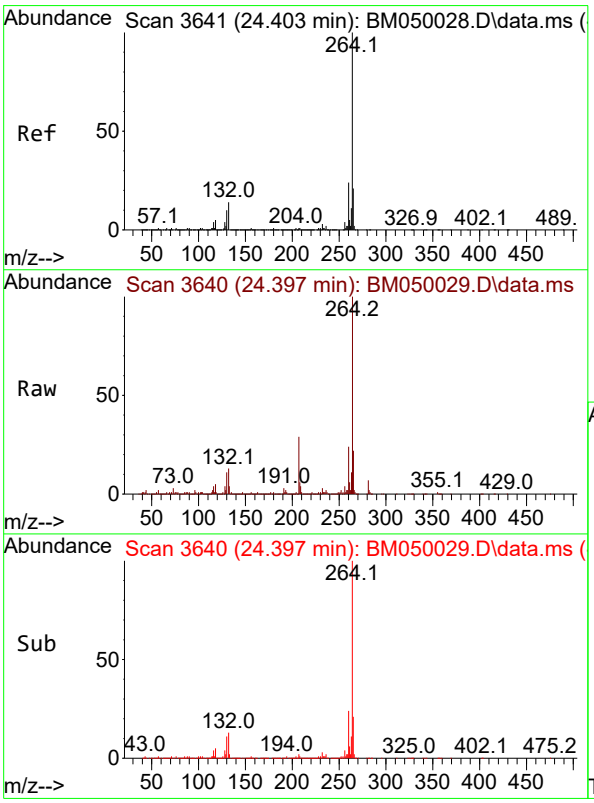
#85
Di-n-octyl phthalate
Concen: 54.170 ng
RT: 22.427 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 3852190

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.2	5.8	8.8

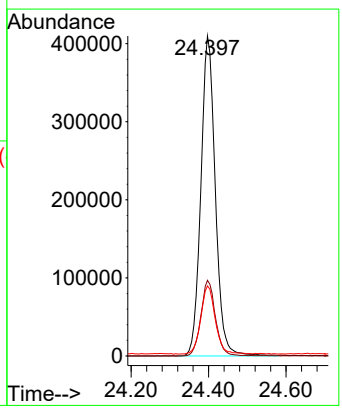


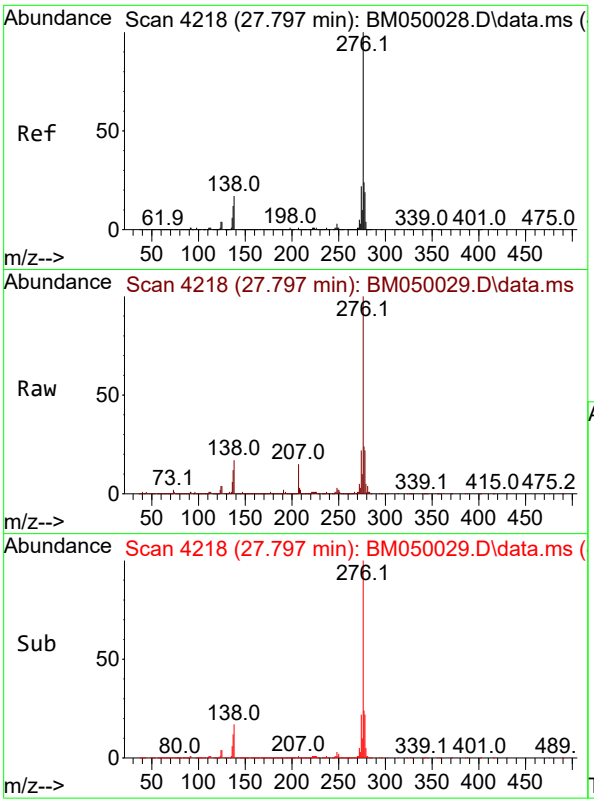


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.006 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:264 Resp: 1061511

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.8	28.2
265	21.9	17.0	25.4



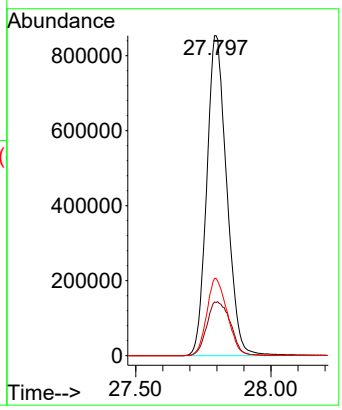


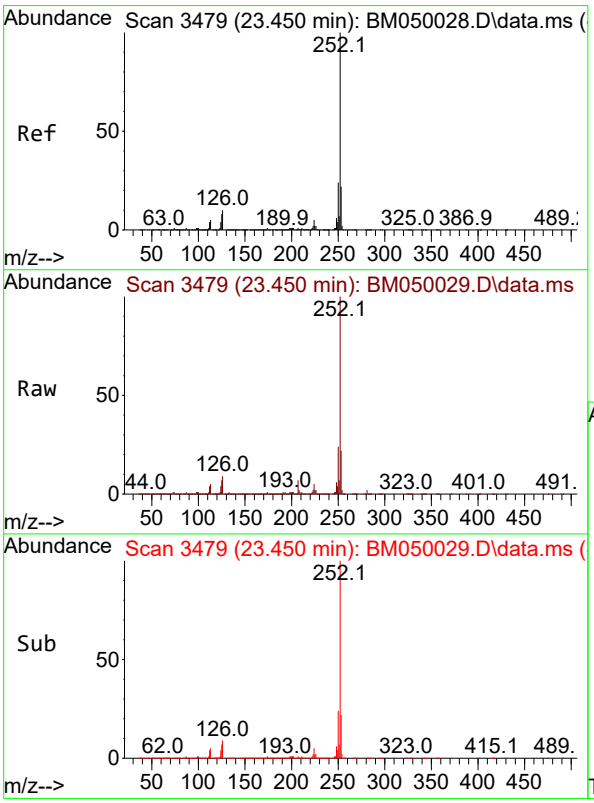
#87
Indeno(1,2,3-cd)pyrene
Concen: 55.240 ng
RT: 27.797 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 4369253

Ion	Ratio	Lower	Upper
276	100		
138	20.1	16.4	24.6
277	24.9	19.8	29.8

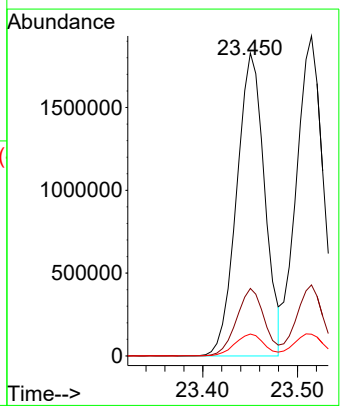


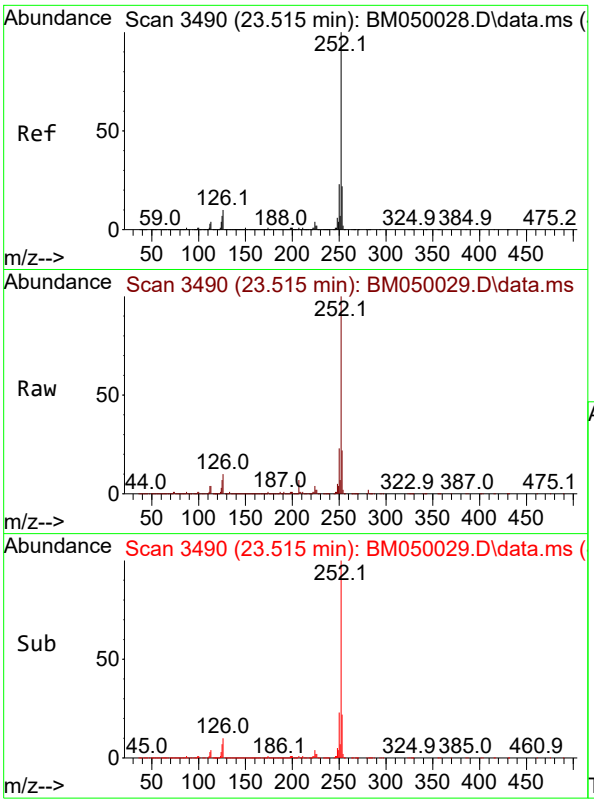


#88
Benzo(b)fluoranthene
Concen: 54.405 ng
RT: 23.450 min Scan# 3479
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:252 Resp: 3755728

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	7.2	6.1	9.1



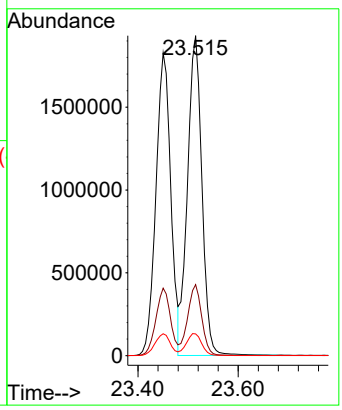


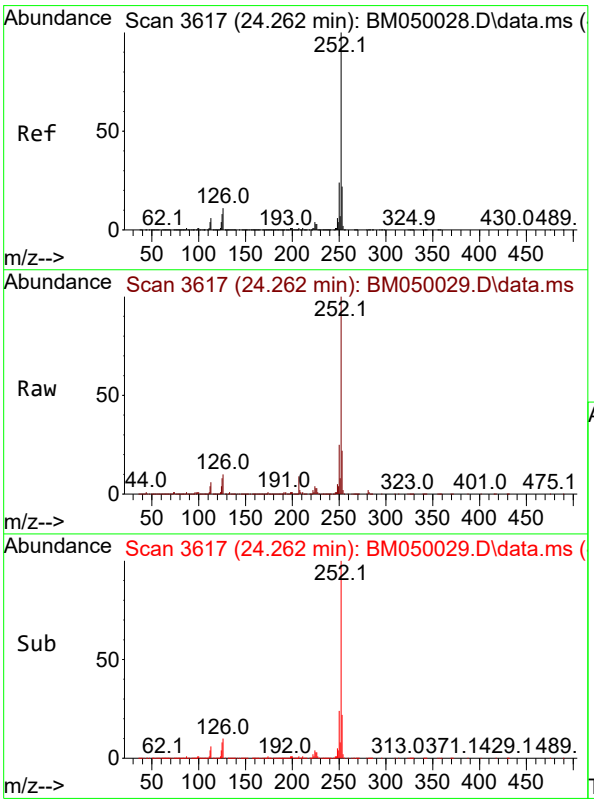
#89
Benzo(k)fluoranthene
Concen: 55.037 ng
RT: 23.515 min Scan# 34
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 3844095

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	6.8	5.8	8.8

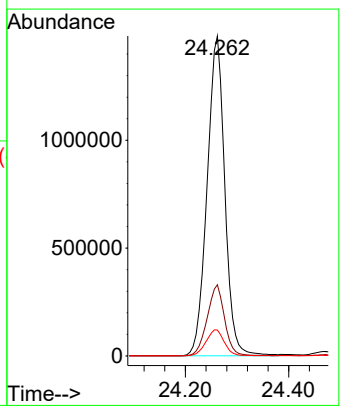


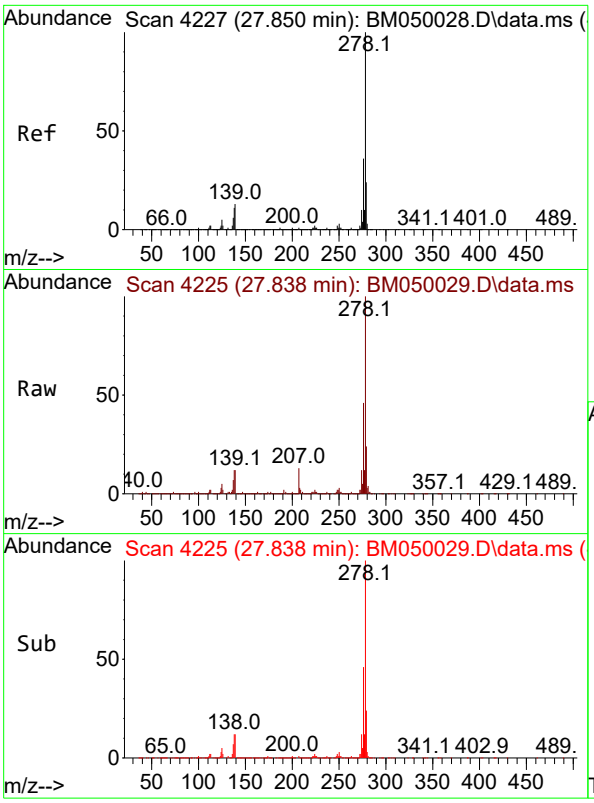


#90
Benzo(a)pyrene
Concen: 54.588 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:252 Resp: 3529489

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.0
125	8.1	6.6	9.8



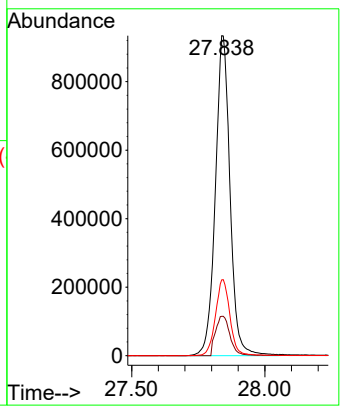


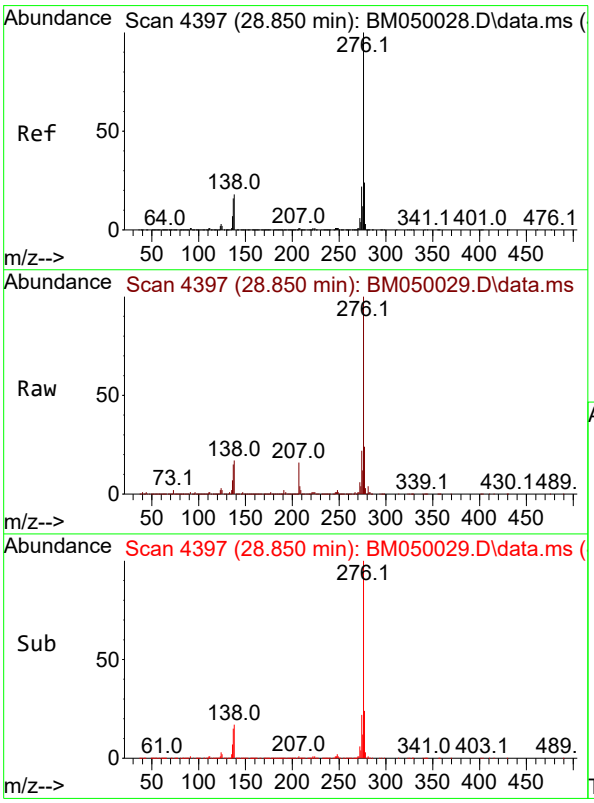
#91
Dibenzo(a,h)anthracene
Concen: 55.448 ng
RT: 27.838 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 3575099

Ion	Ratio	Lower	Upper
278	100		
139	12.3	10.5	15.7
279	23.7	19.4	29.0

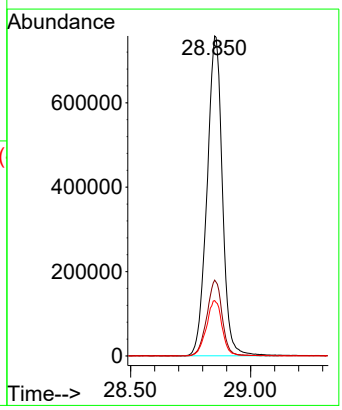




#92
Benzo(g,h,i)perylene
Concen: 54.494 ng
RT: 28.850 min Scan# 4397
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:276 Resp: 3363778

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.1	28.7
138	17.3	14.3	21.5



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050030.D
Acq On : 28 Apr 2025 16:24
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Quant Time: Apr 28 17:58:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.769	152	238160	20.000	ng		0.00
21) Naphthalene-d8	10.563	136	873845	20.000	ng		0.00
39) Acenaphthene-d10	14.410	164	580977	20.000	ng		0.00
64) Phenanthrene-d10	17.157	188	1144389	20.000	ng		0.00
76) Chrysene-d12	21.398	240	1144881	20.000	ng		0.00
86) Perylene-d12	24.397	264	1099459	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.357	112	1676078	123.234	ng		0.00
7) Phenol-d6	6.951	99	2135178	124.905	ng		0.00
23) Nitrobenzene-d5	8.928	82	2186546	123.300	ng		0.00
42) 2,4,6-Tribromophenol	15.910	330	1107899	128.968	ng		0.00
45) 2-Fluorobiphenyl	13.033	172	6079094	123.782	ng		0.00
79) Terphenyl-d14	19.780	244	10017186	129.471	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.252	88	350690	60.136	ng		99
3) Pyridine	3.658	79	923444	61.631	ng		99
4) n-Nitrosodimethylamine	3.563	42	360090	61.276	ng		98
6) Aniline	7.098	93	1339587	62.058	ng		100
8) 2-Chlorophenol	7.340	128	905849	61.600	ng		99
9) Benzaldehyde	6.910	77	683177	59.793	ng		99
10) Phenol	6.981	94	1072175	61.956	ng		99
11) bis(2-Chloroethyl)ether	7.193	93	880705	60.947	ng		100
12) 1,3-Dichlorobenzene	7.657	146	1077725	60.670	ng		99
13) 1,4-Dichlorobenzene	7.804	146	1083367	60.707	ng		99
14) 1,2-Dichlorobenzene	8.122	146	1046214	60.691	ng		98
15) Benzyl Alcohol	8.016	79	750490	63.306	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.293	45	1052561	59.922	ng		100
17) 2-Methylphenol	8.228	107	705836	61.914	ng		99
18) Hexachloroethane	8.845	117	380742	60.018	ng		99
19) n-Nitroso-di-n-propyla...	8.575	70	678107	61.851	ng		100
20) 3+4-Methylphenols	8.551	107	964063	62.619	ng		97
22) Acetophenone	8.592	105	1325893	61.030	ng	#	99
24) Nitrobenzene	8.969	77	938300	61.193	ng		99
25) Isophorone	9.498	82	1845274	61.044	ng		99
26) 2-Nitrophenol	9.681	139	504441	64.395	ng		99
27) 2,4-Dimethylphenol	9.751	122	816717	62.869	ng		98
28) bis(2-Chloroethoxy)met...	9.975	93	1138921	60.958	ng		100
29) 2,4-Dichlorophenol	10.228	162	920741	63.266	ng		98
30) 1,2,4-Trichlorobenzene	10.428	180	1079970	60.907	ng		100
31) Naphthalene	10.610	128	2682942	60.626	ng		100
32) Benzoic acid	9.928	122	556598	67.178	ng		98
33) 4-Chloroaniline	10.728	127	1146085	63.184	ng		99
34) Hexachlorobutadiene	10.898	225	689159	61.230	ng		99
35) Caprolactam	11.528	113	266678	62.845	ng		98
36) 4-Chloro-3-methylphenol	11.869	107	832050	61.882	ng		100
37) 2-Methylnaphthalene	12.228	142	1815345	61.185	ng		99
38) 1-Methylnaphthalene	12.445	142	1916000	61.021	ng		100
40) 1,2,4,5-Tetrachloroben...	12.598	216	1264090	62.853	ng		100
41) Hexachlorocyclopentadiene	12.580	237	814238	66.248	ng		99
43) 2,4,6-Trichlorophenol	12.851	196	814256	63.832	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050030.D
Acq On : 28 Apr 2025 16:24
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Quant Time: Apr 28 17:58:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	872921	63.459	ng		99
46) 1,1'-Biphenyl	13.245	154	2626494	60.817	ng		99
47) 2-Chloronaphthalene	13.286	162	2078242	60.760	ng		100
48) 2-Nitroaniline	13.498	65	512544	63.847	ng		99
49) Acenaphthylene	14.133	152	3292902	61.060	ng		100
50) Dimethylphthalate	13.874	163	2562233	60.347	ng		100
51) 2,6-Dinitrotoluene	13.992	165	551466	62.732	ng		99
52) Acenaphthene	14.474	154	1906973	61.089	ng		100
53) 3-Nitroaniline	14.327	138	541960	64.574	ng		99
54) 2,4-Dinitrophenol	14.545	184	327924	59.847	ng		97
55) Dibenzofuran	14.810	168	3154566	60.738	ng		100
56) 4-Nitrophenol	14.663	139	402106	60.088	ng		99
57) 2,4-Dinitrotoluene	14.786	165	779604	64.180	ng		98
58) Fluorene	15.463	166	2614340	61.497	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.045	232	752680	63.213	ng		98
60) Diethylphthalate	15.233	149	2397624	59.930	ng		99
61) 4-Chlorophenyl-phenyle...	15.457	204	1457099	62.403	ng		98
62) 4-Nitroaniline	15.492	138	524887	64.776	ng		98
63) Azobenzene	15.745	77	2030208	60.550	ng		99
65) 4,6-Dinitro-2-methylph...	15.557	198	473987	66.167	ng		98
66) n-Nitrosodiphenylamine	15.668	169	2158446	61.422	ng		100
67) 4-Bromophenyl-phenylether	16.351	248	878886	63.509	ng		95
68) Hexachlorobenzene	16.468	284	1000366	62.711	ng		97
69) Atrazine	16.627	200	802538	63.312	ng		99
70) Pentachlorophenol	16.821	266	584874	65.136	ng		99
71) Phenanthrene	17.198	178	4028280	62.410	ng		99
72) Anthracene	17.292	178	4088295	62.590	ng		100
73) Carbazole	17.562	167	3562573	62.854	ng		100
74) Di-n-butylphthalate	18.121	149	4225922	62.607	ng		100
75) Fluoranthene	19.215	202	4891273	64.546	ng		100
77) Benzidine	19.404	184	2626747	64.592	ng		100
78) Pyrene	19.580	202	5030035	62.565	ng		100
80) Butylbenzylphthalate	20.474	149	1873444	62.216	ng		96
81) Benzo(a)anthracene	21.380	228	4954357	62.841	ng		99
82) 3,3'-Dichlorobenzidine	21.303	252	2003019	66.368	ng		99
83) Chrysene	21.445	228	4549388	62.348	ng		99
84) Bis(2-ethylhexyl)phtha...	21.298	149	2797195	62.192	ng	#	97
85) Di-n-octyl phthalate	22.427	149	4605837	62.095	ng		100
87) Indeno(1,2,3-cd)pyrene	27.797	276	5248662	64.068	ng		99
88) Benzo(b)fluoranthene	23.456	252	4643026	64.936	ng		99
89) Benzo(k)fluoranthene	23.515	252	4561134	63.050	ng		100
90) Benzo(a)pyrene	24.262	252	4281665	63.936	ng		100
91) Dibenzo(a,h)anthracene	27.850	278	4305928	64.478	ng		99
92) Benzo(g,h,i)perylene	28.850	276	4036958	63.142	ng		99

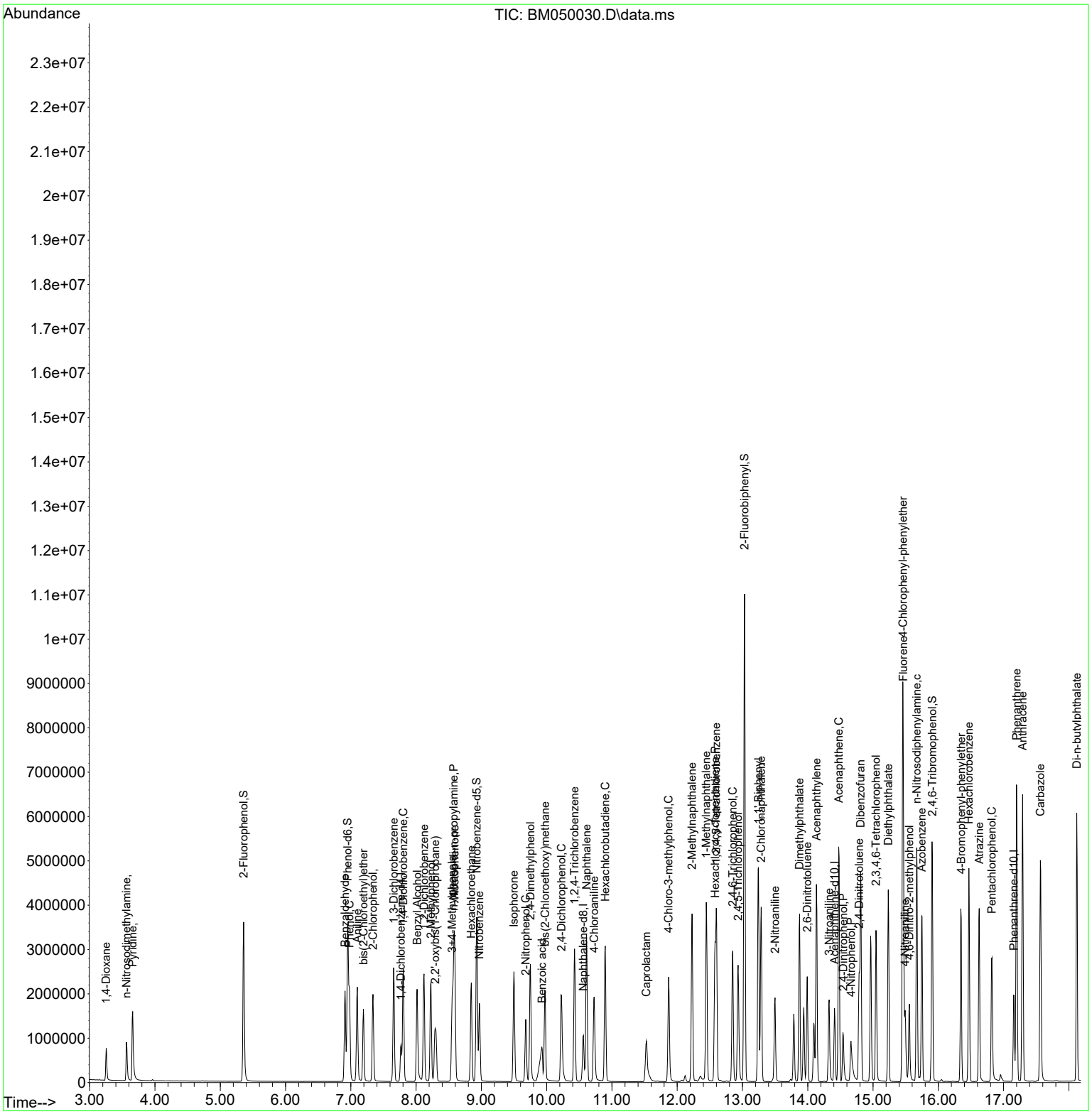
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050030.D
Acq On : 28 Apr 2025 16:24
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

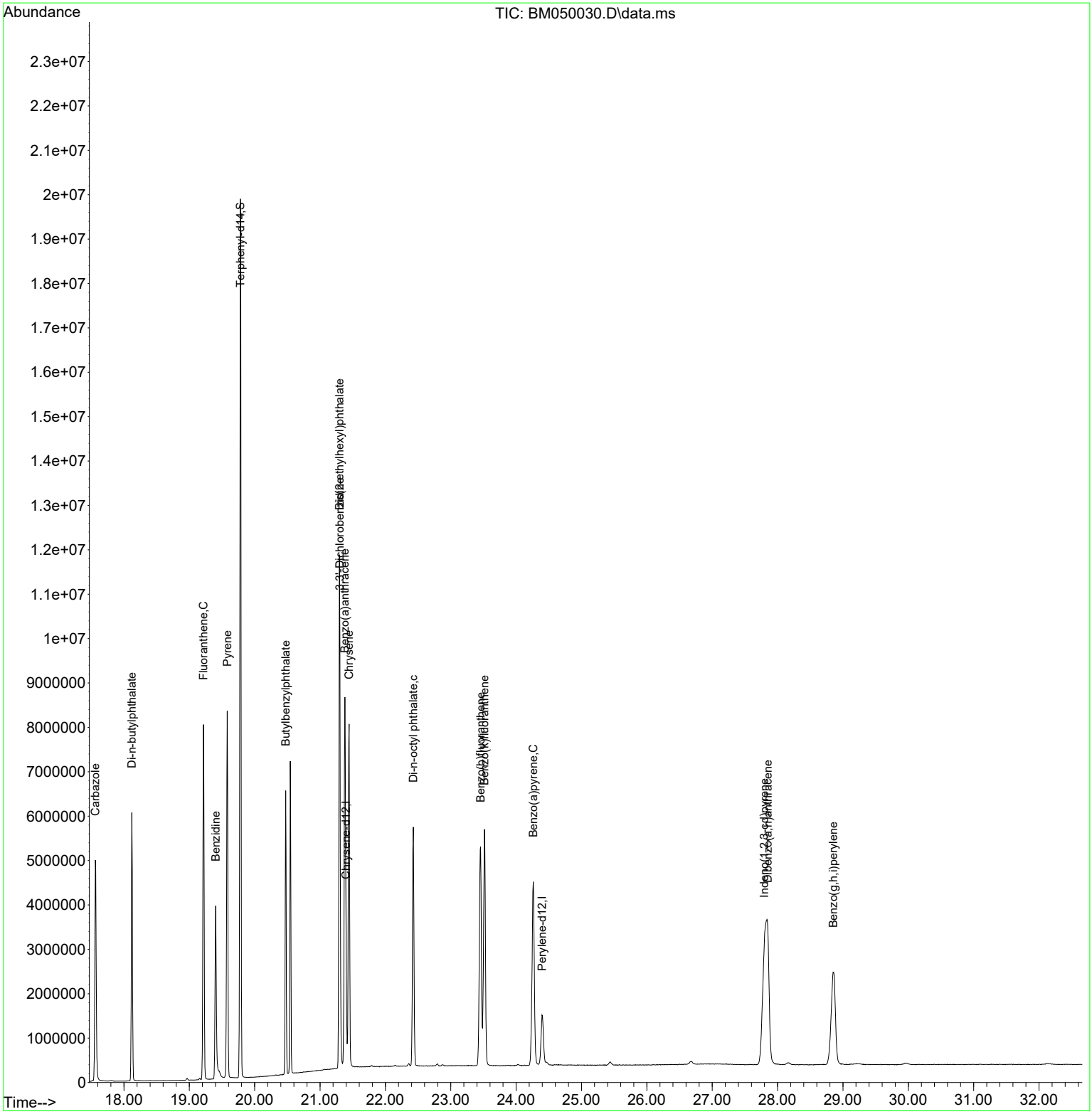
Quant Time: Apr 28 17:58:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

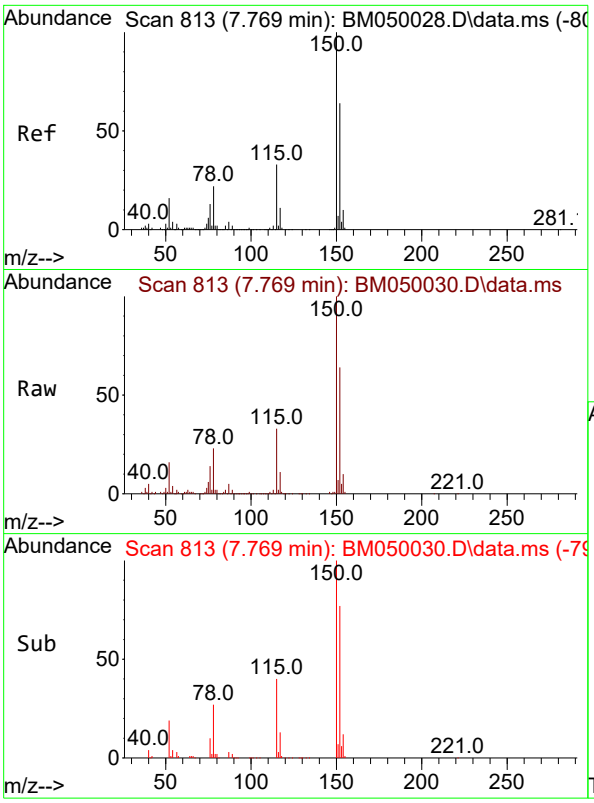


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050030.D
Acq On : 28 Apr 2025 16:24
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Quant Time: Apr 28 17:58:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



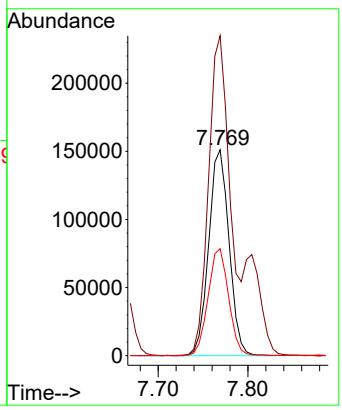


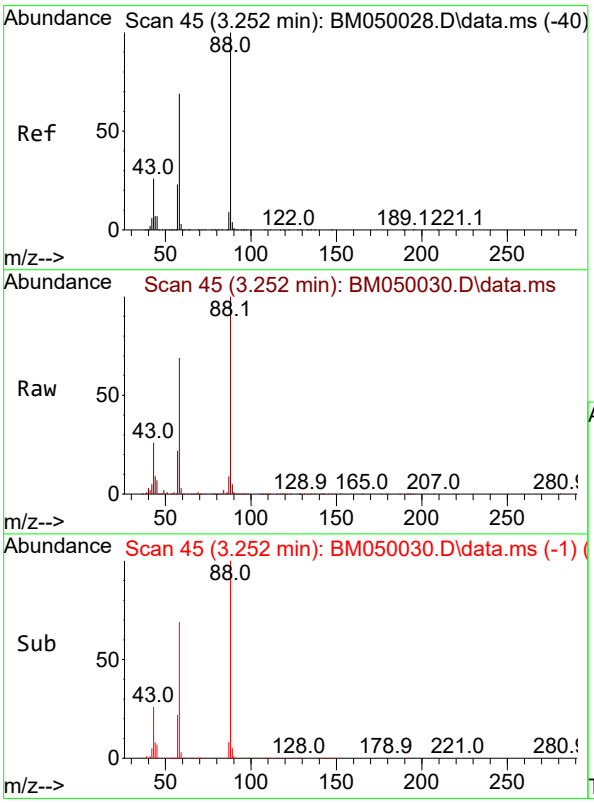
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 238160

Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.1	186.1
115	52.0	41.2	61.8

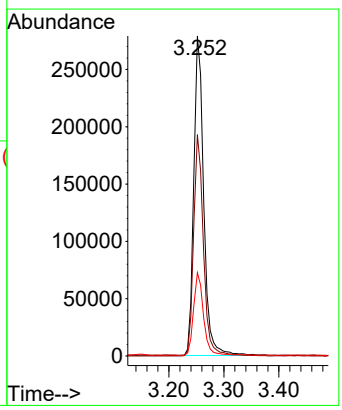


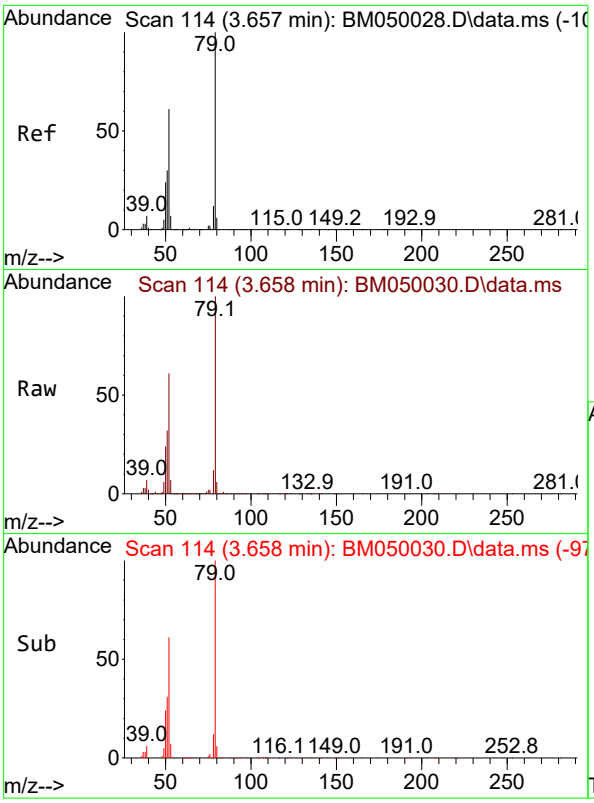


#2
1,4-Dioxane
Concen: 60.136 ng
RT: 3.252 min Scan# 45
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion: 88 Resp: 350690

Ion	Ratio	Lower	Upper
88	100		
58	68.4	55.1	82.7
43	25.4	20.9	31.3



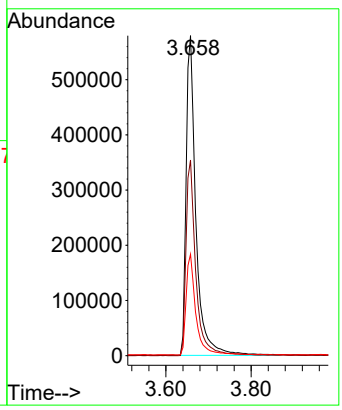


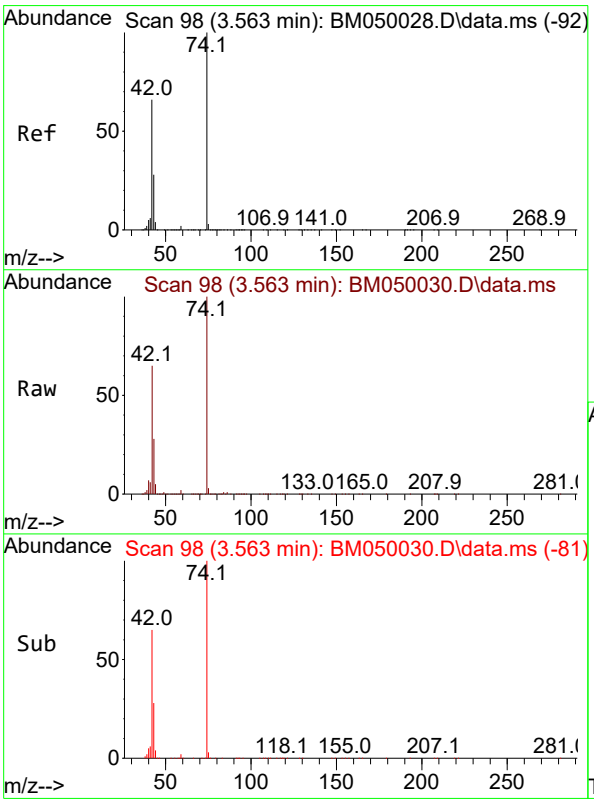
#3
Pyridine
Concen: 61.631 ng
RT: 3.658 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 923444

Ion	Ratio	Lower	Upper
79	100		
52	61.2	48.6	72.8
51	31.7	24.6	37.0

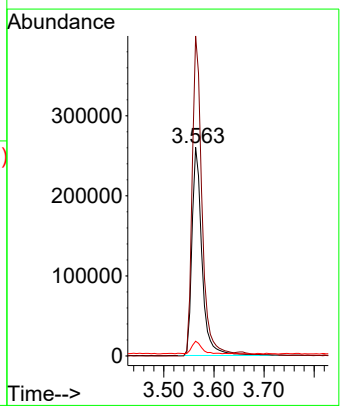


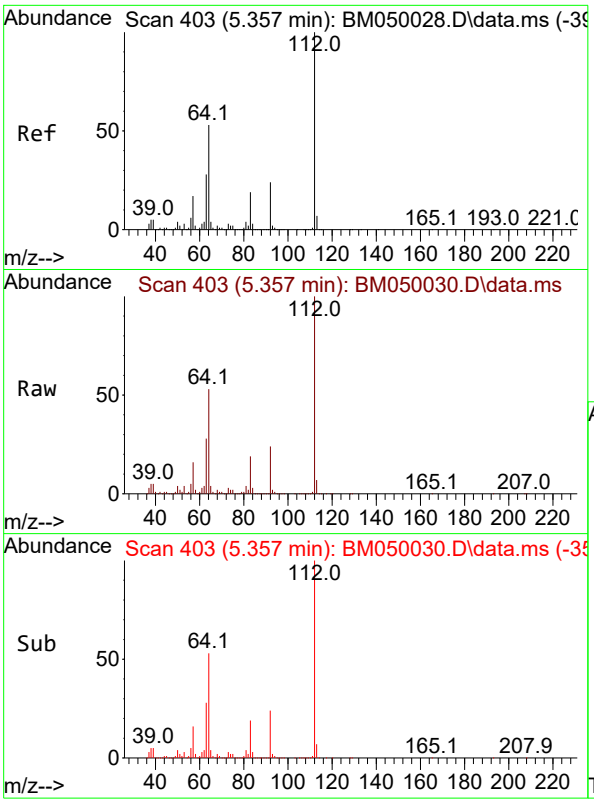


#4
n-Nitrosodimethylamine
Concen: 61.276 ng
RT: 3.563 min Scan# 98
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion: 42 Resp: 360090

Ion	Ratio	Lower	Upper
42	100		
74	153.4	120.2	180.2
44	7.1	6.2	9.2



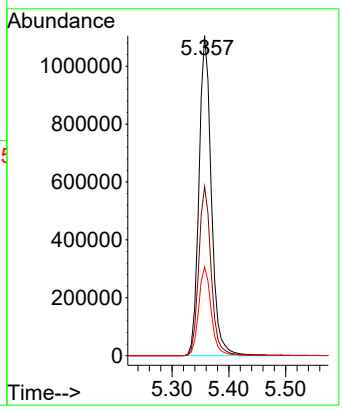


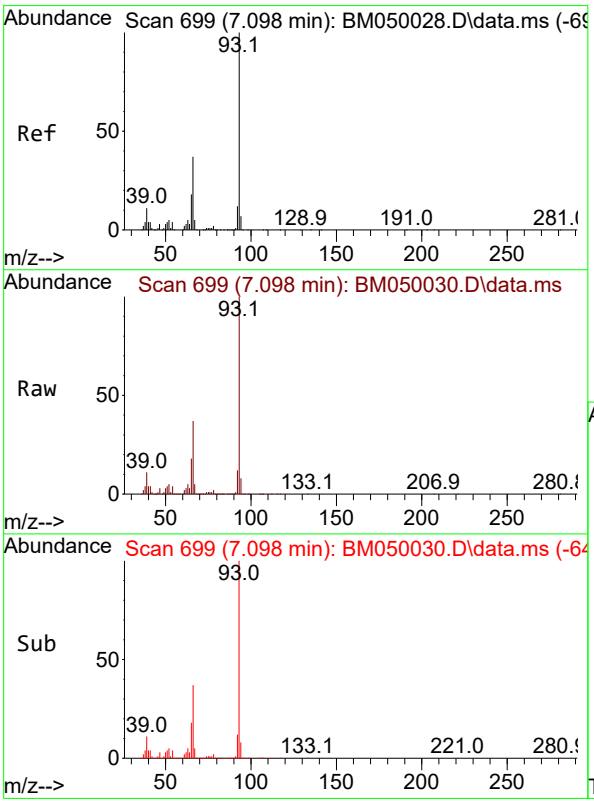
#5
2-Fluorophenol
Concen: 123.234 ng
RT: 5.357 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 1676078

Ion	Ratio	Lower	Upper
112	100		
64	52.8	42.6	64.0
63	27.7	22.2	33.4

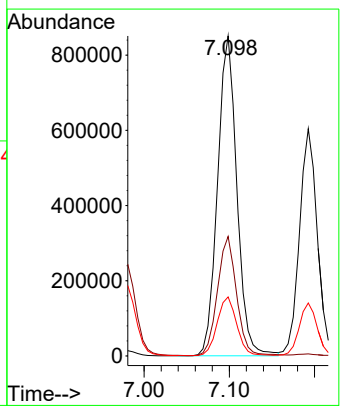


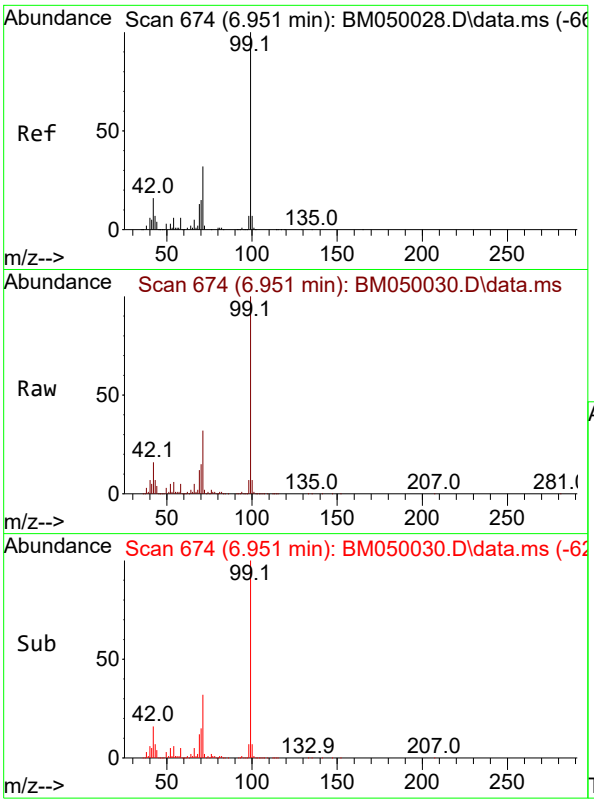


#6
Aniline
Concen: 62.058 ng
RT: 7.098 min Scan# 699
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion: 93 Resp: 1339587

Ion	Ratio	Lower	Upper
93	100		
66	37.4	29.9	44.9
65	18.5	14.5	21.7



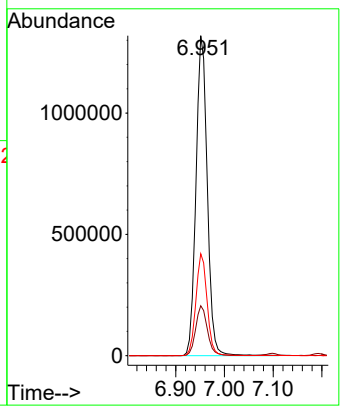


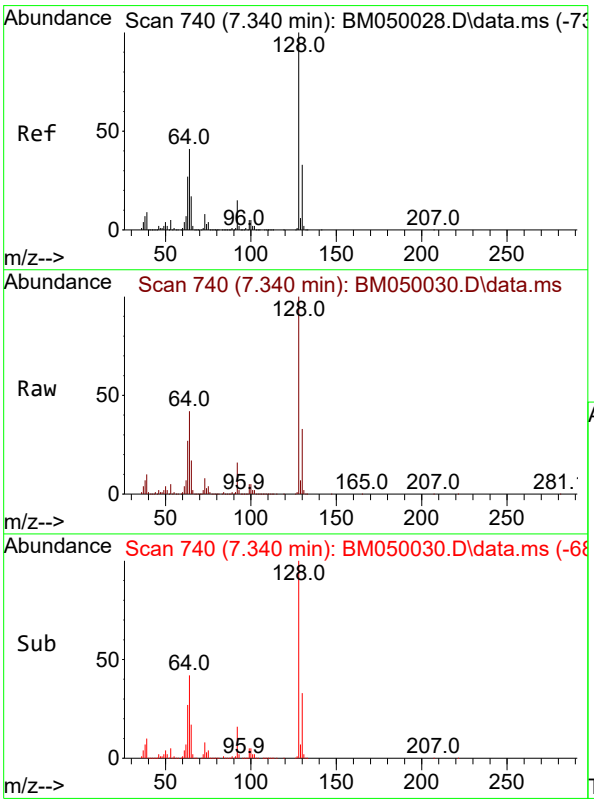
#7
Phenol-d6
Concen: 124.905 ng
RT: 6.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 2135178

Ion	Ratio	Lower	Upper
99	100		
42	15.6	13.0	19.4
71	31.8	25.6	38.4

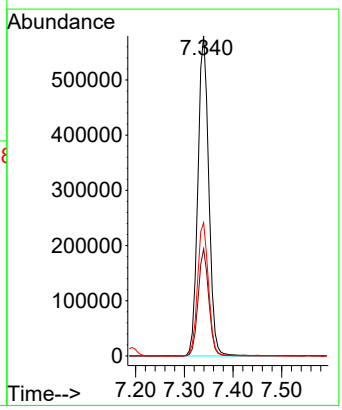


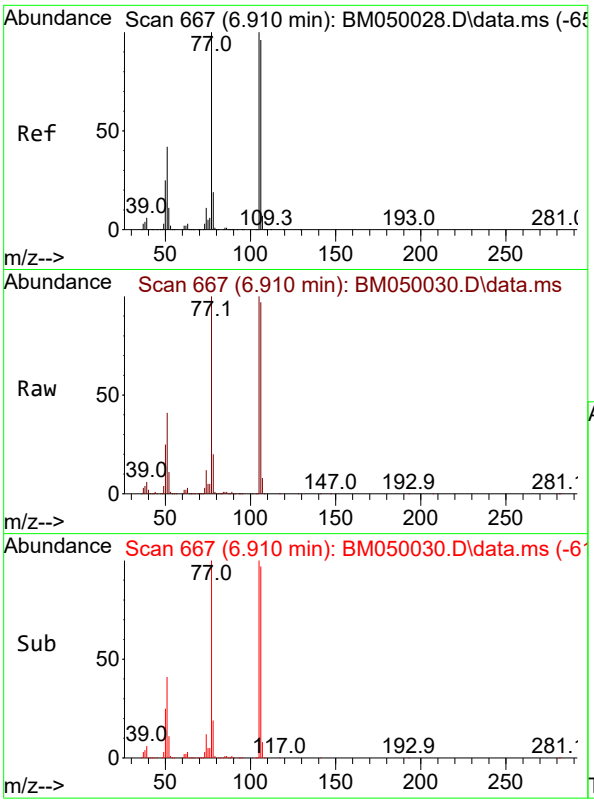


#8
2-Chlorophenol
Concen: 61.600 ng
RT: 7.340 min Scan# 740
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:128 Resp: 905849

Ion	Ratio	Lower	Upper
128	100		
130	33.5	12.8	52.8
64	41.7	21.2	61.2



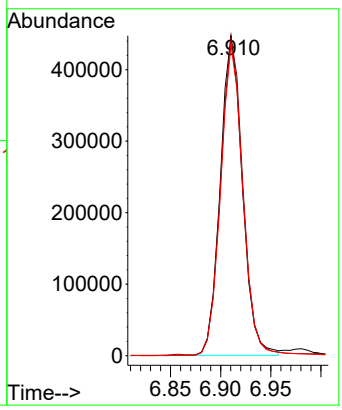


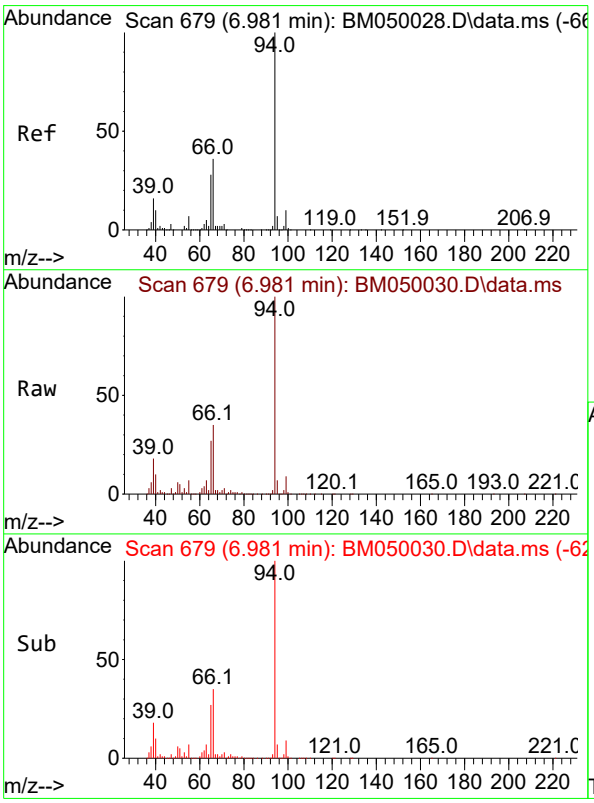
#9
Benzaldehyde
Concen: 59.793 ng
RT: 6.910 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 683177

Ion	Ratio	Lower	Upper
77	100		
105	99.6	80.5	120.5
106	97.1	76.1	116.1

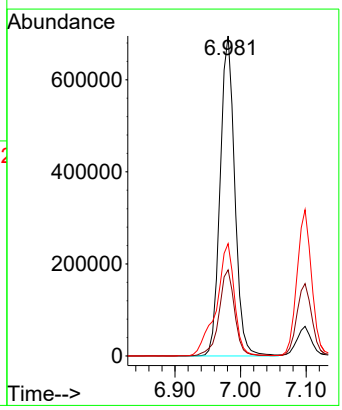


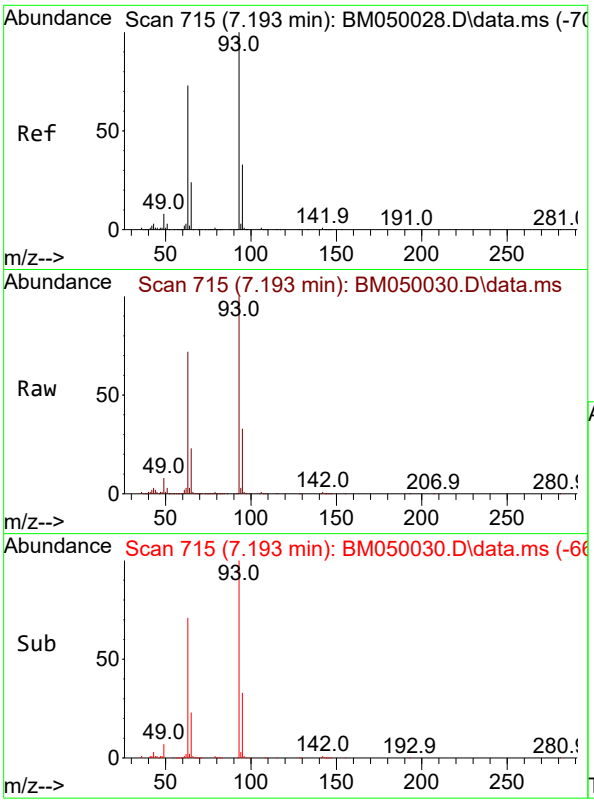


#10
Phenol
Concen: 61.956 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion: 94 Resp: 1072175

Ion	Ratio	Lower	Upper
94	100		
65	26.9	7.6	47.6
66	35.1	15.8	55.8



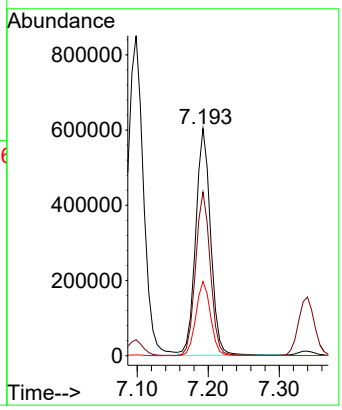


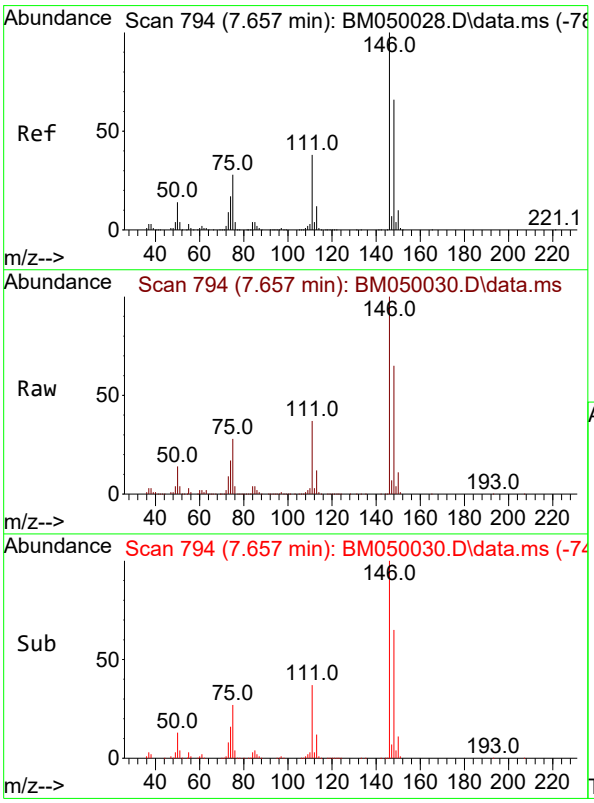
#11
bis(2-Chloroethyl)ether
Concen: 60.947 ng
RT: 7.193 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 880705

Ion	Ratio	Lower	Upper
93	100		
63	72.0	52.3	92.3
95	32.7	12.8	52.8

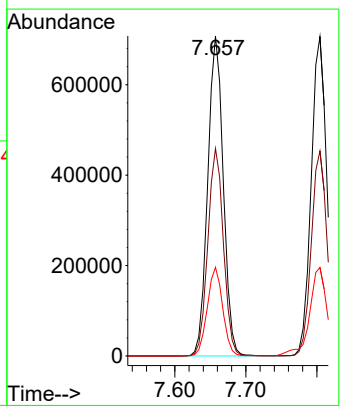


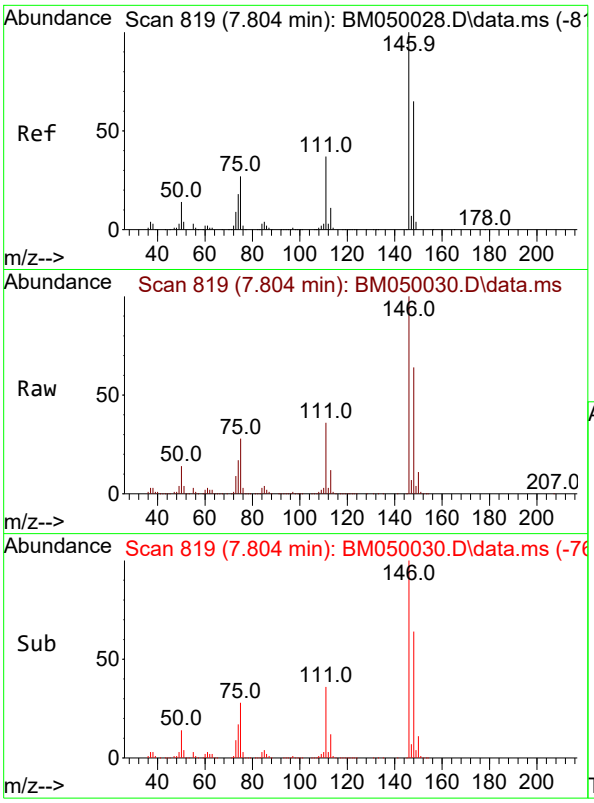


#12
1,3-Dichlorobenzene
Concen: 60.670 ng
RT: 7.657 min Scan# 794
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:146 Resp: 1077725

Ion	Ratio	Lower	Upper
146	100		
148	64.9	52.5	78.7
75	27.7	22.6	34.0



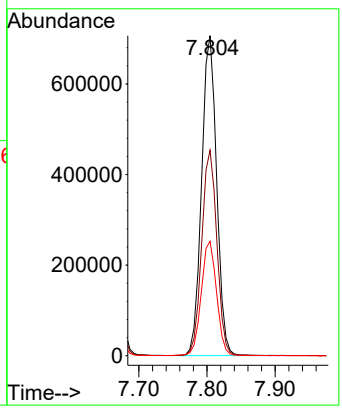


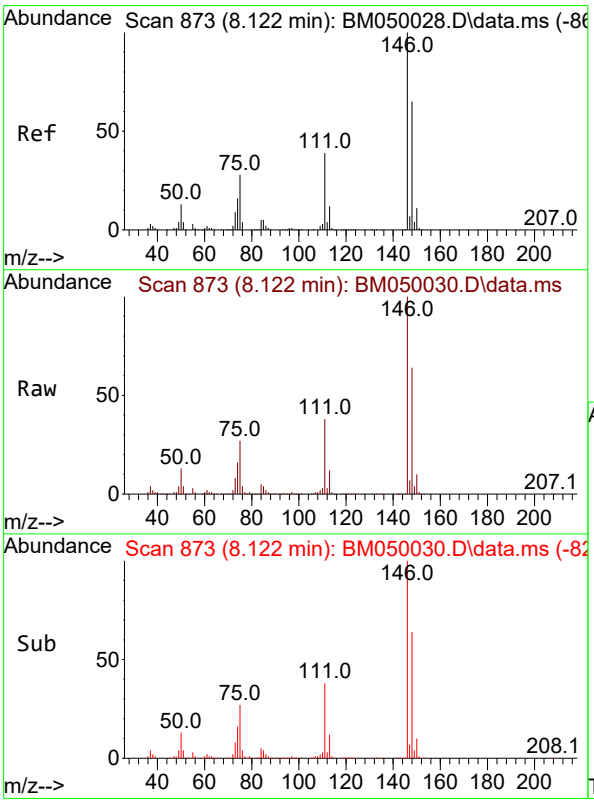
#13
1,4-Dichlorobenzene
Concen: 60.707 ng
RT: 7.804 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 1083367

Ion	Ratio	Lower	Upper
146	100		
148	64.2	52.2	78.2
111	35.7	29.3	43.9

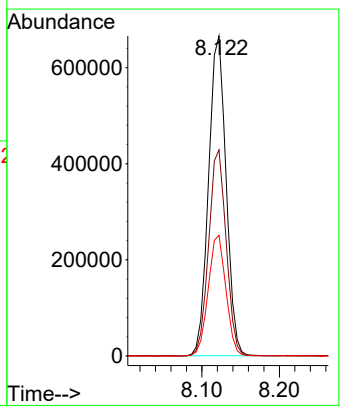


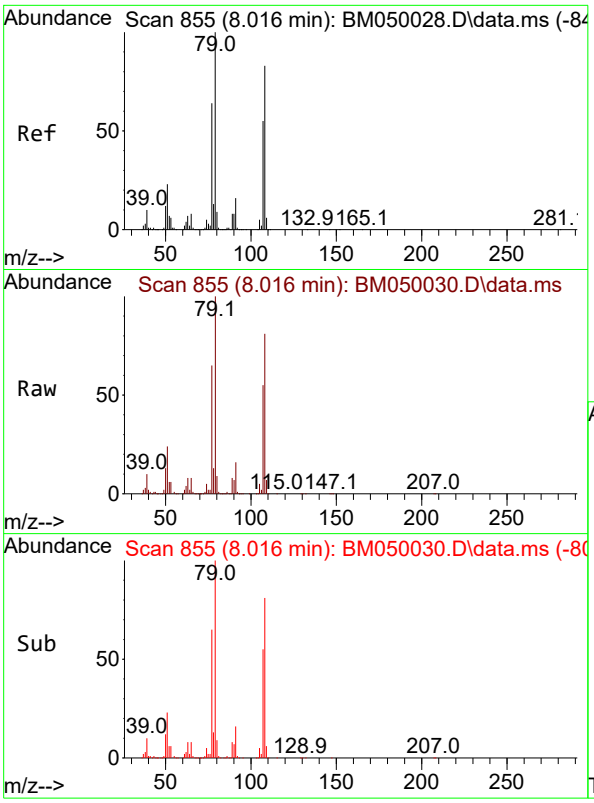


#14
1,2-Dichlorobenzene
Concen: 60.691 ng
RT: 8.122 min Scan# 873
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:146 Resp: 1046214

Ion	Ratio	Lower	Upper
146	100		
148	64.4	52.4	78.6
111	37.7	31.0	46.6



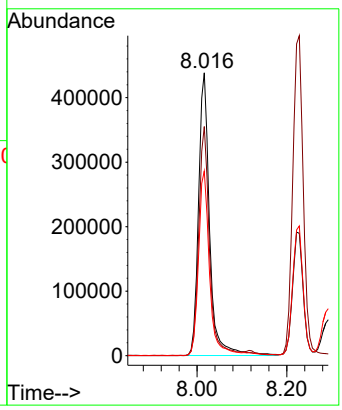


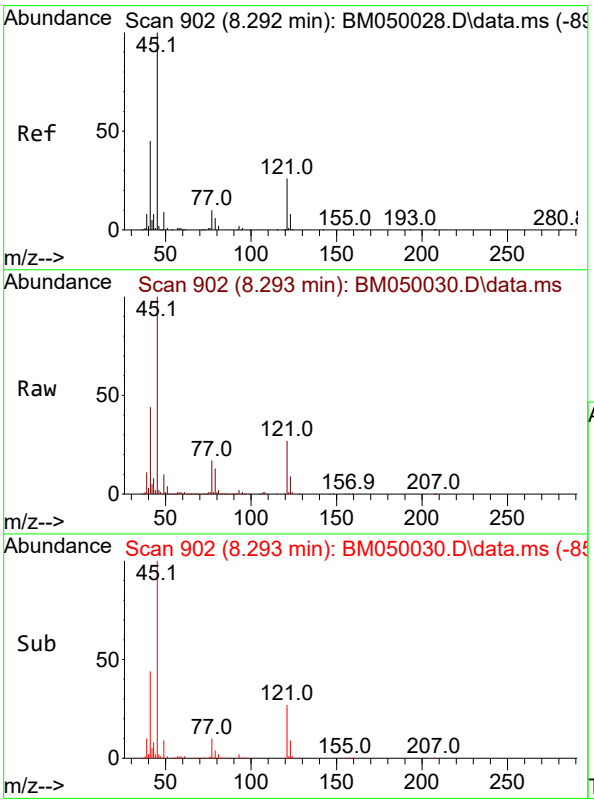
#15
Benzyl Alcohol
Concen: 63.306 ng
RT: 8.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 750490

Ion	Ratio	Lower	Upper
79	100		
108	81.0	66.0	99.0
77	65.3	51.6	77.4

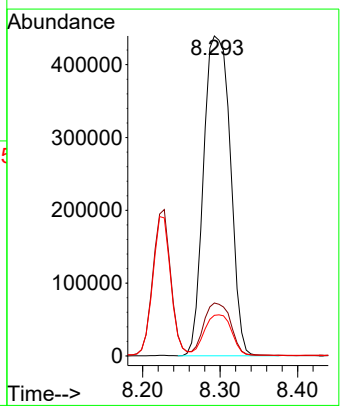


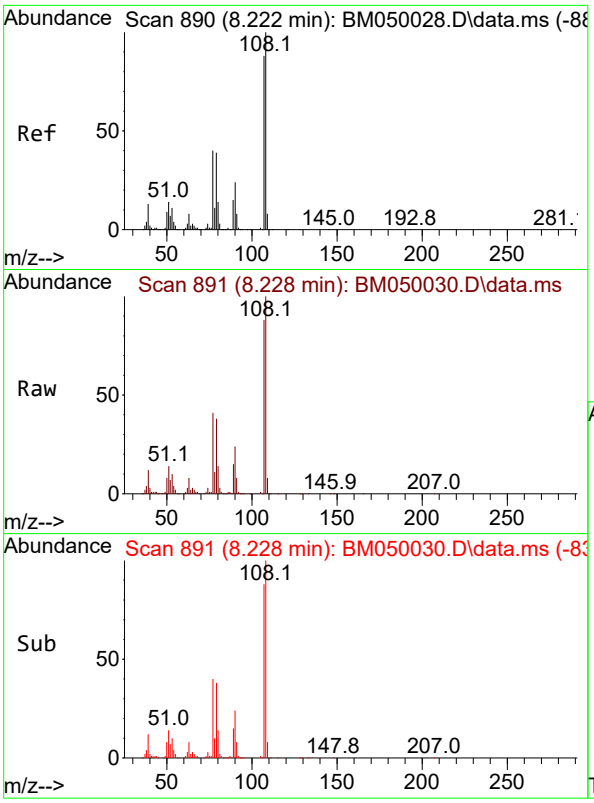


#16
2,2'-oxybis(1-Chloropropane)
Concen: 59.922 ng
RT: 8.293 min Scan# 902
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion: 45 Resp: 1052561

Ion	Ratio	Lower	Upper
45	100		
77	16.6	0.0	36.4
79	12.7	0.0	32.7



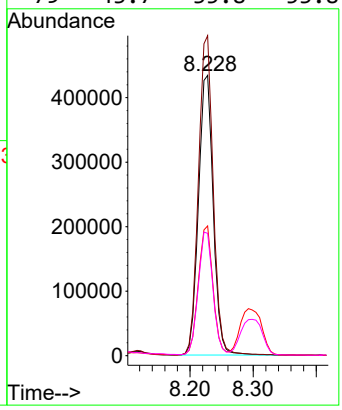


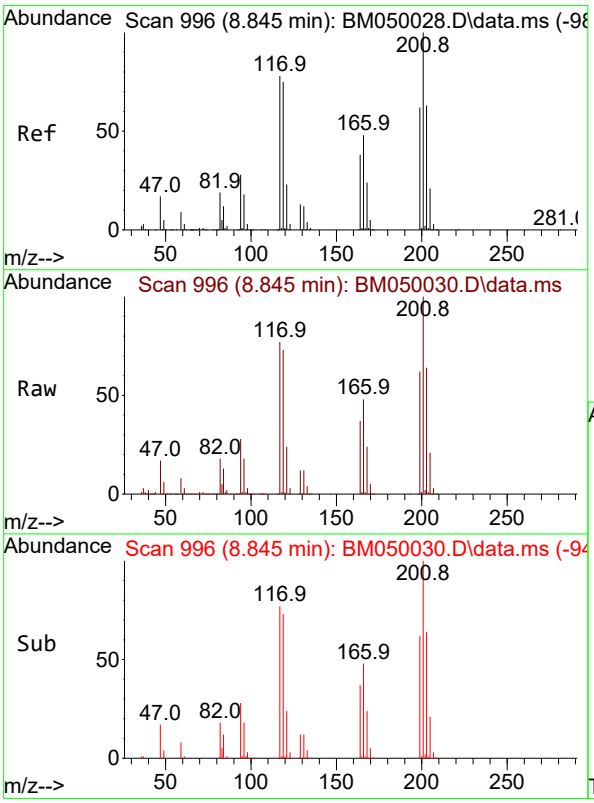
#17
2-Methylphenol
Concen: 61.914 ng
RT: 8.228 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 705836

Ion	Ratio	Lower	Upper
107	100		
108	114.2	91.1	136.7
77	46.3	36.2	54.4
79	43.7	35.8	53.8

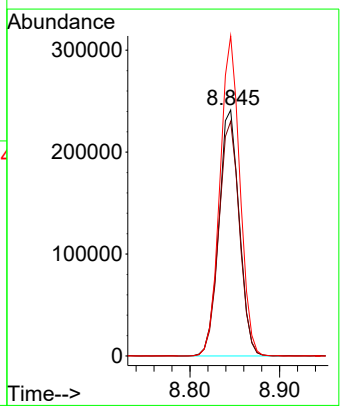


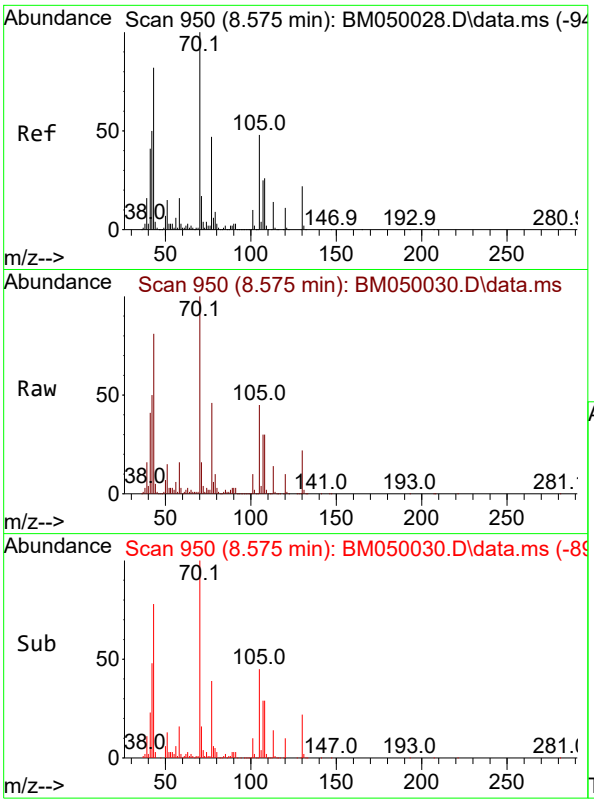


#18
Hexachloroethane
Concen: 60.018 ng
RT: 8.845 min Scan# 996
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:117 Resp: 380742

Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.3	115.9
201	130.1	102.8	154.2



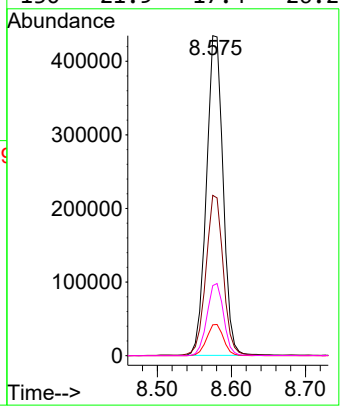


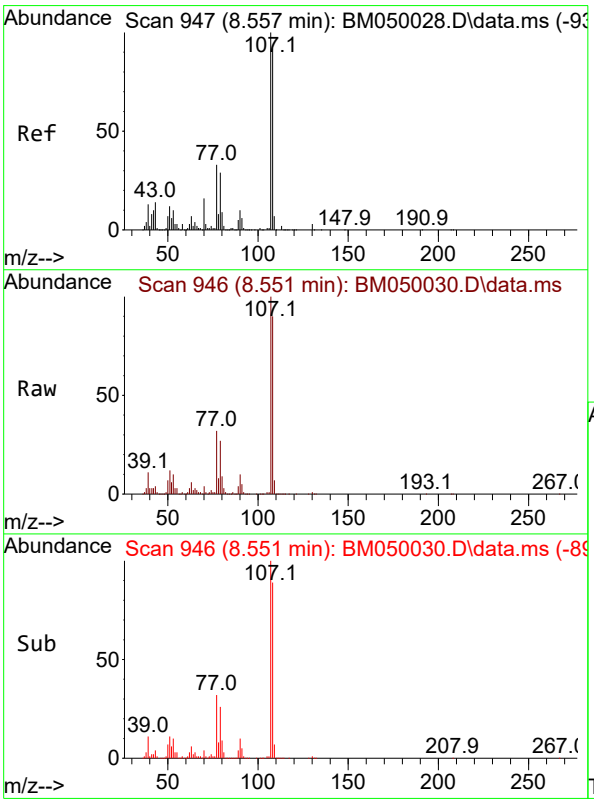
#19
n-Nitroso-di-n-propylamine
Concen: 61.851 ng
RT: 8.575 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 678107

Ion	Ratio	Lower	Upper
70	100		
42	50.1	40.5	60.7
101	9.7	7.8	11.6
130	21.9	17.4	26.2

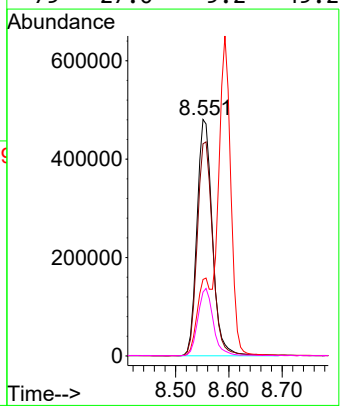


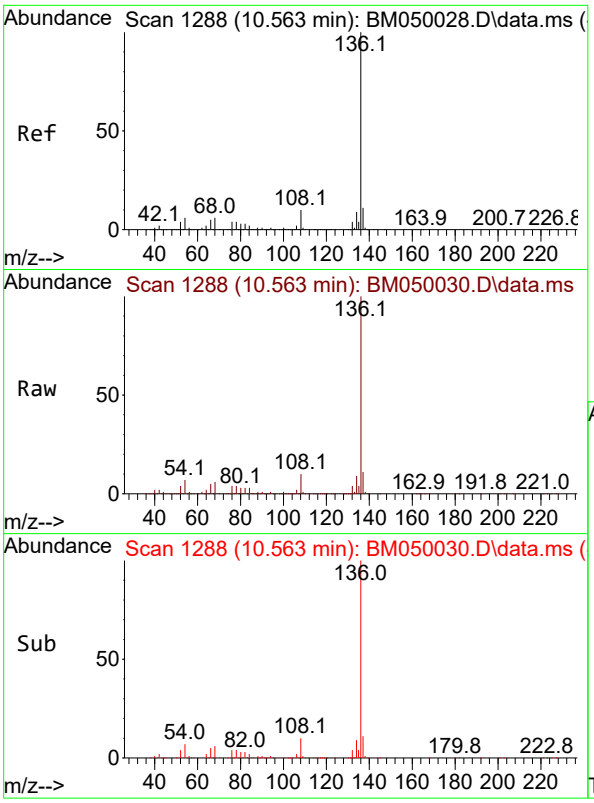


#20
3+4-Methylphenols
Concen: 62.619 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.006 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:107 Resp: 964063

Ion	Ratio	Lower	Upper
107	100		
108	89.8	72.4	112.4
77	32.4	13.6	53.6
79	27.0	9.2	49.2



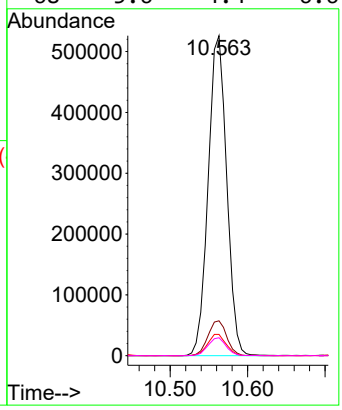


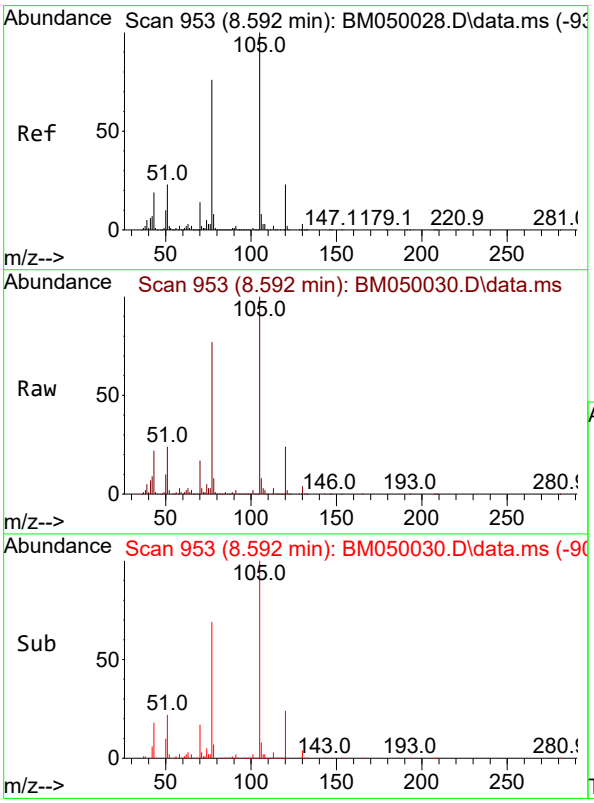
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 873845

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.7	5.1	7.7
68	5.6	4.4	6.6

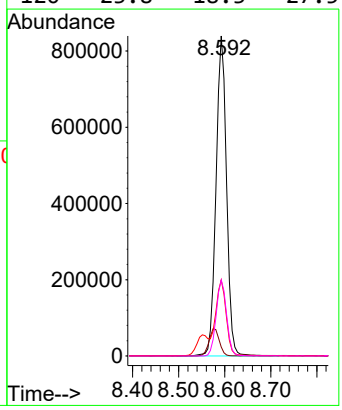


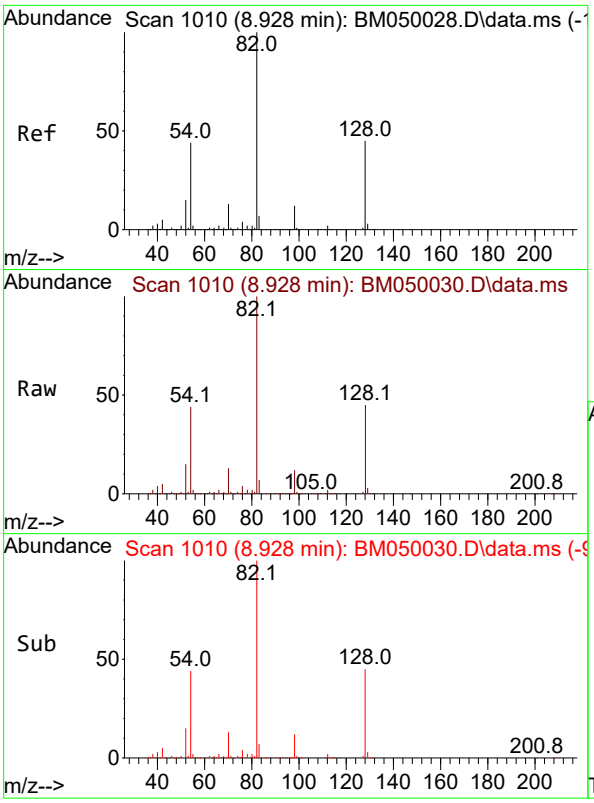


#22
Acetophenone
Concen: 61.030 ng
RT: 8.592 min Scan# 953
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:105 Resp: 1325893

Ion	Ratio	Lower	Upper
105	100		
71	2.8	1.7	2.5#
51	23.7	18.6	27.8
120	23.8	18.3	27.5



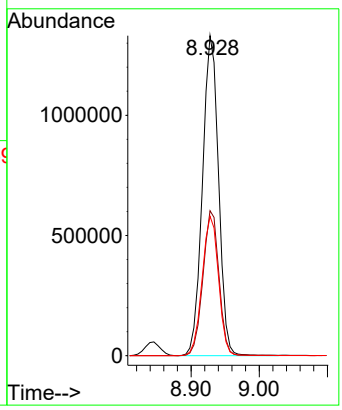


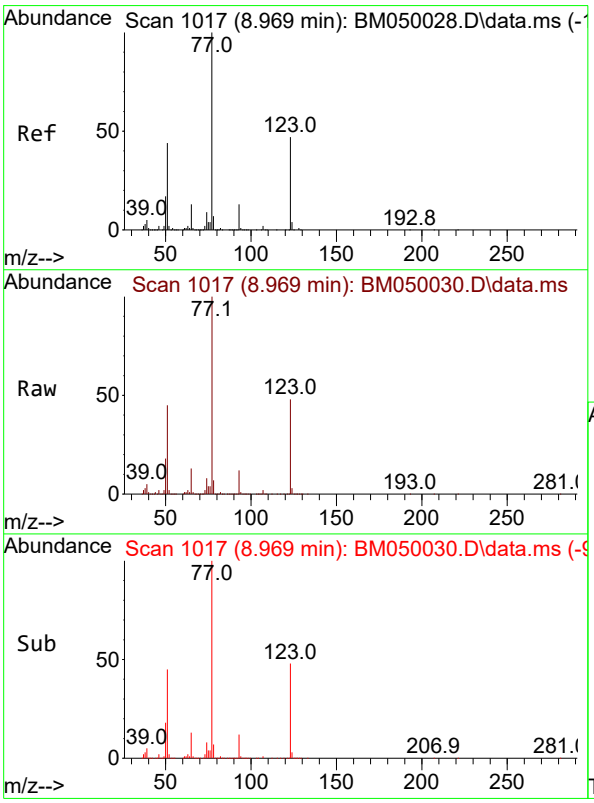
#23
Nitrobenzene-d5
Concen: 123.300 ng
RT: 8.928 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2186546

Ion	Ratio	Lower	Upper
82	100		
128	45.3	35.7	53.5
54	43.6	35.4	53.2

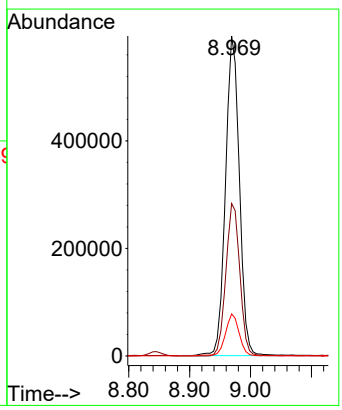


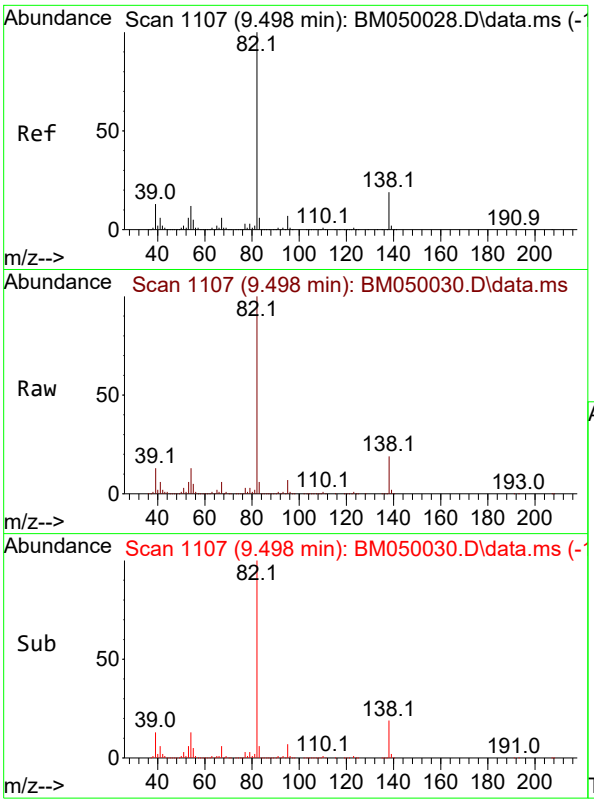


#24
Nitrobenzene
Concen: 61.193 ng
RT: 8.969 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion: 77 Resp: 938300

Ion	Ratio	Lower	Upper
77	100		
123	47.6	37.9	56.9
65	13.2	10.1	15.1



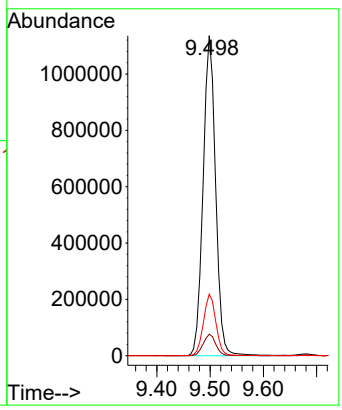


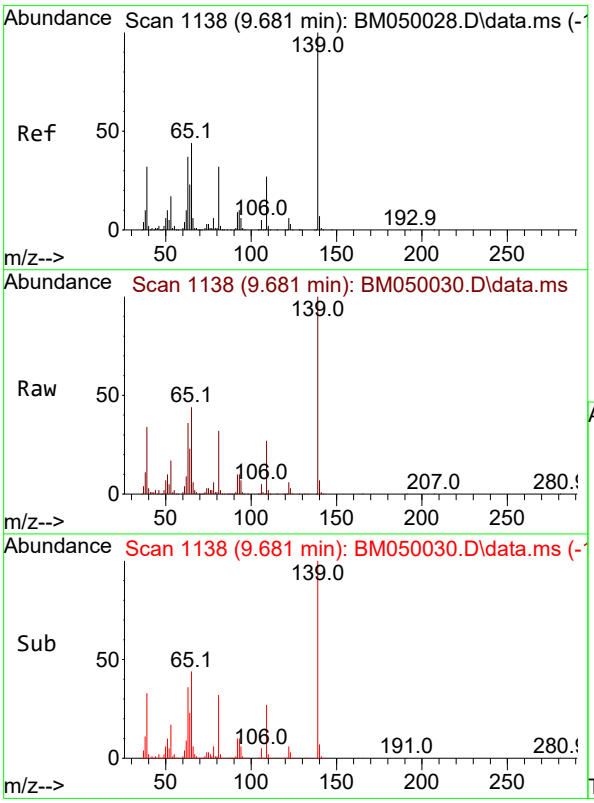
#25
Isophorone
Concen: 61.044 ng
RT: 9.498 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1845274

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.7	8.5
138	19.2	15.5	23.3

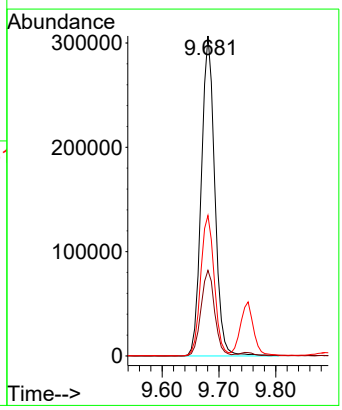


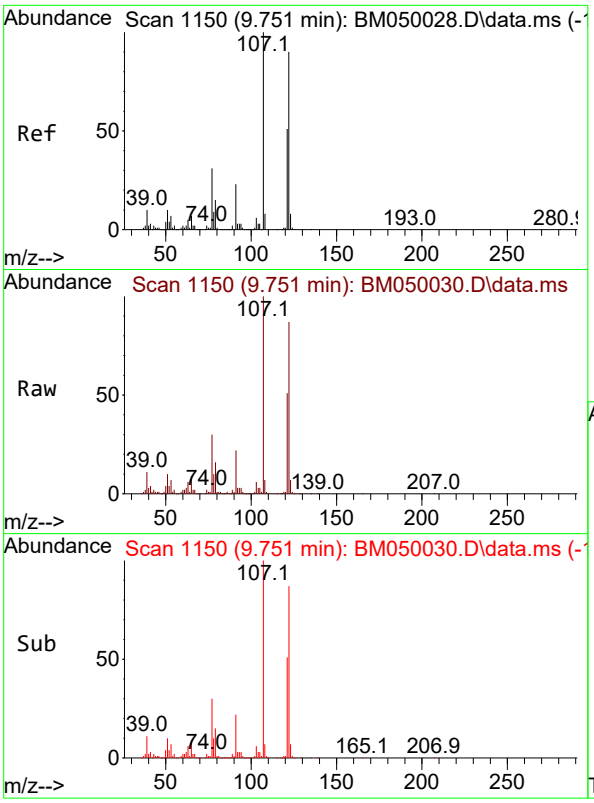


#26
2-Nitrophenol
Concen: 64.395 ng
RT: 9.681 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:139 Resp: 504441

Ion	Ratio	Lower	Upper
139	100		
109	26.8	21.9	32.9
65	43.9	35.4	53.2



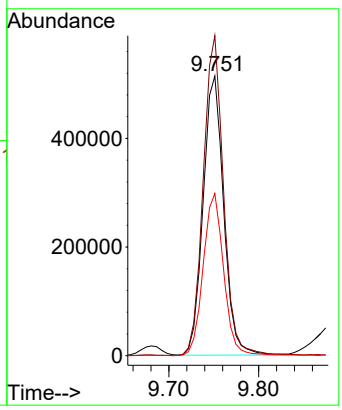


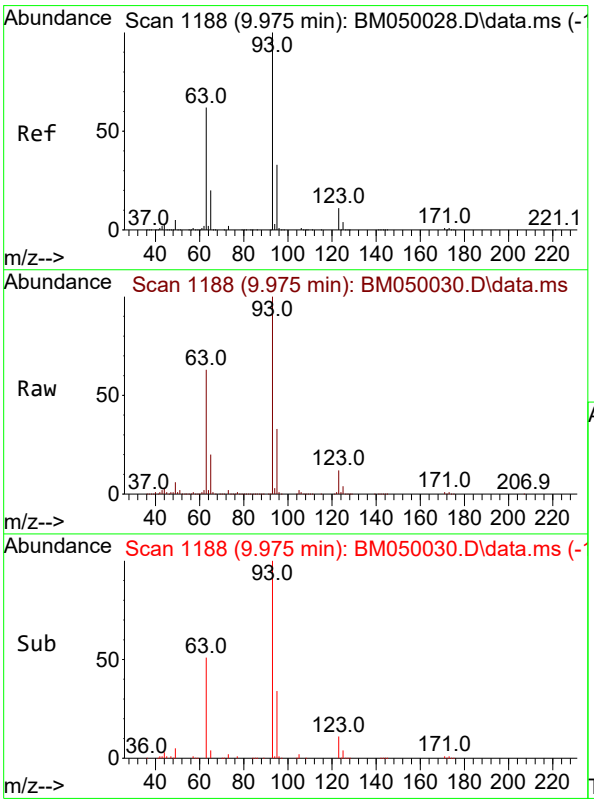
#27
2,4-Dimethylphenol
Concen: 62.869 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 816717

Ion	Ratio	Lower	Upper
122	100		
107	114.4	89.0	133.6
121	58.0	45.6	68.4

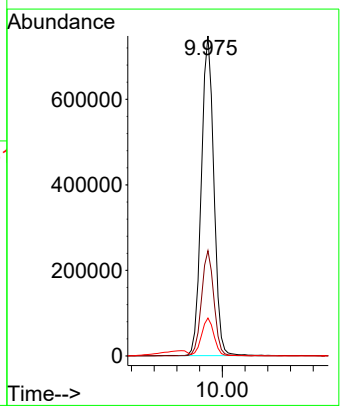


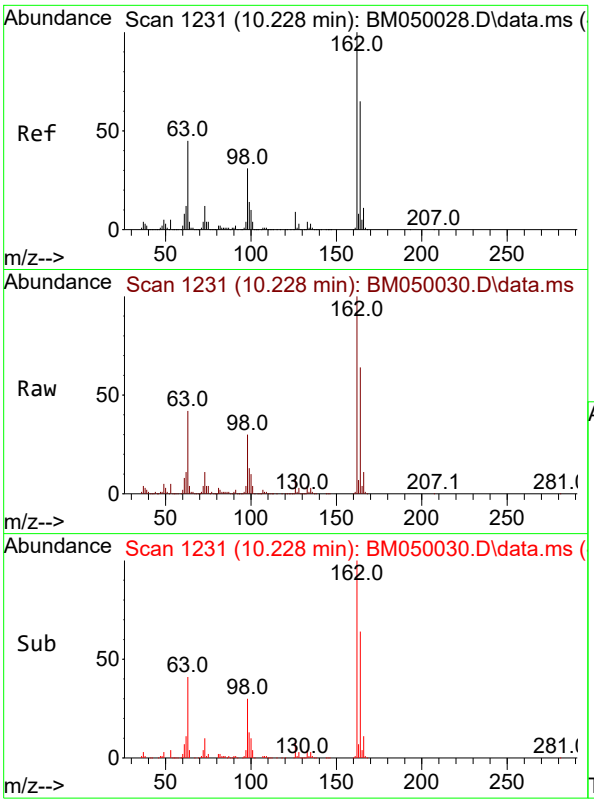


#28
bis(2-Chloroethoxy)methane
Concen: 60.958 ng
RT: 9.975 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion: 93 Resp: 1138921

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.1	39.1
123	11.8	9.5	14.3



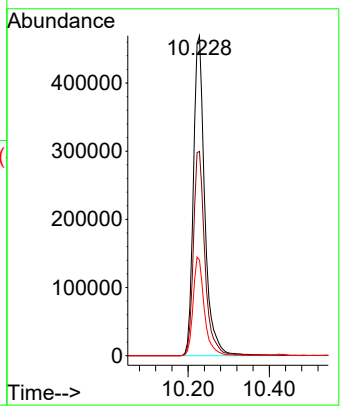


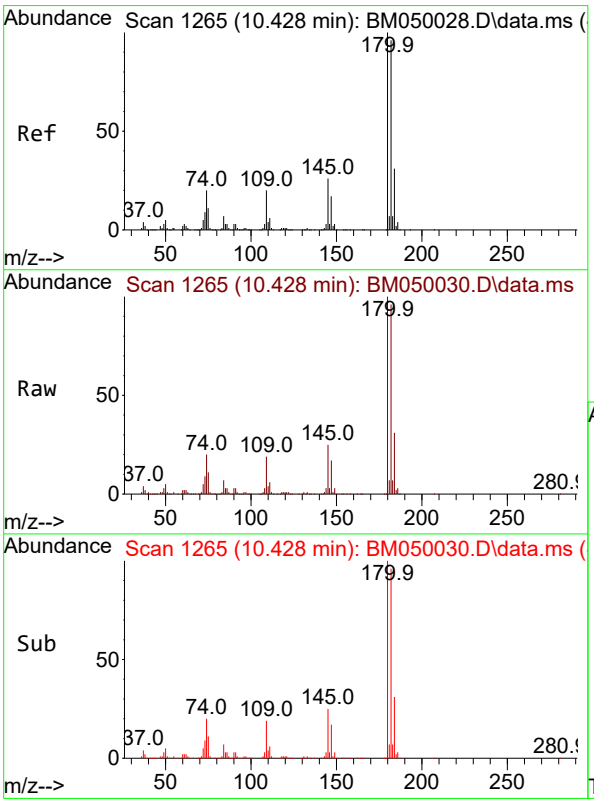
#29
2,4-Dichlorophenol
Concen: 63.266 ng
RT: 10.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 920741

Ion	Ratio	Lower	Upper
162	100		
164	63.9	45.4	85.4
98	29.8	11.3	51.3

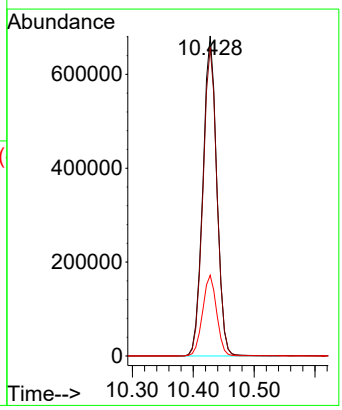


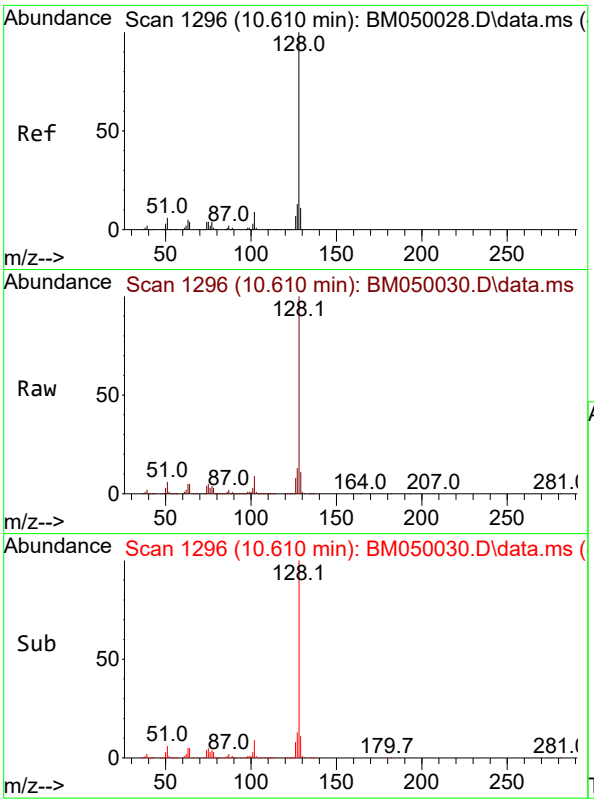


#30
1,2,4-Trichlorobenzene
Concen: 60.907 ng
RT: 10.428 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:180 Resp: 1079970

Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.0	115.4
145	25.2	20.6	30.8



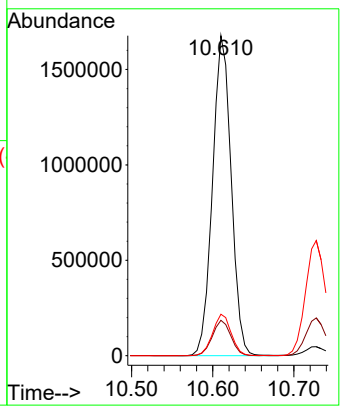


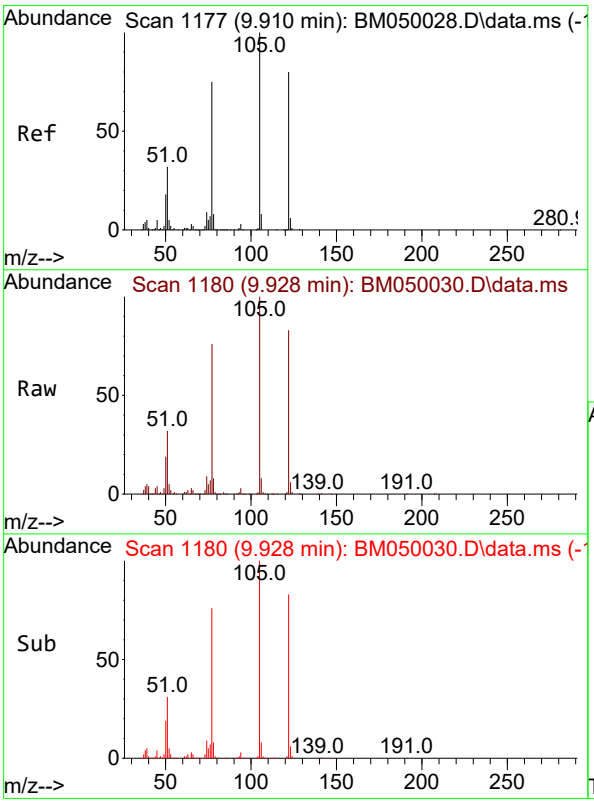
#31
Naphthalene
Concen: 60.626 ng
RT: 10.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 2682942

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.0	10.4	15.6

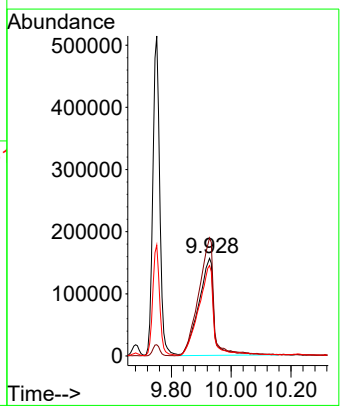


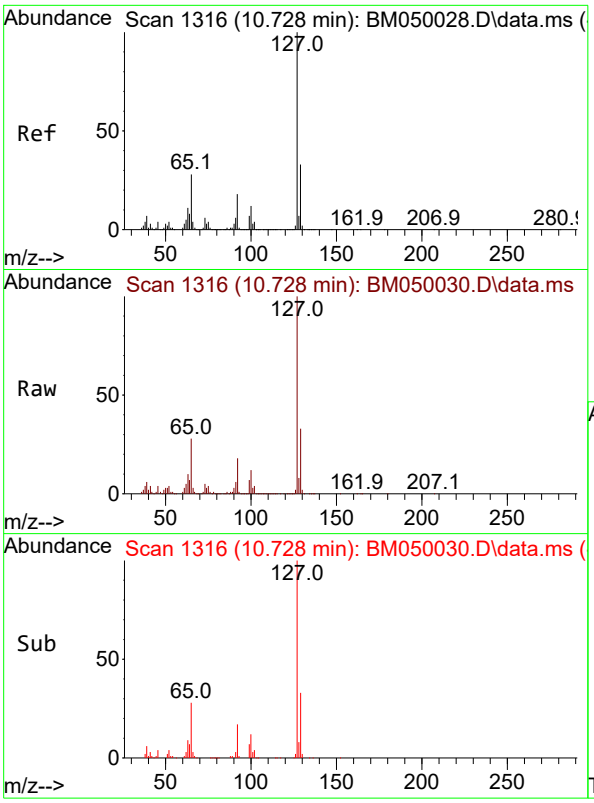


#32
Benzoic acid
Concen: 67.178 ng
RT: 9.928 min Scan# 1180
Delta R.T. 0.018 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:122 Resp: 556598

Ion	Ratio	Lower	Upper
122	100		
105	120.9	103.6	143.6
77	92.5	73.7	113.7



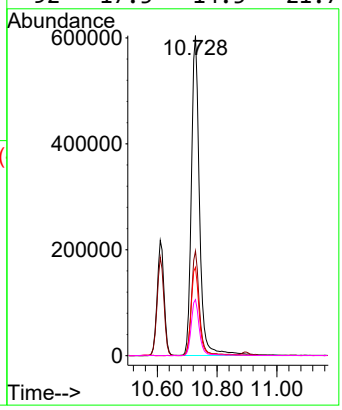


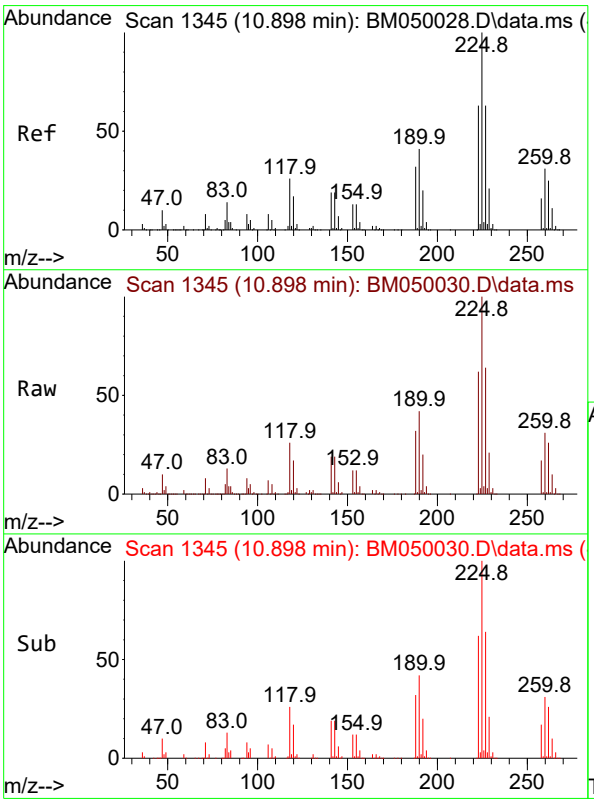
#33
4-Chloroaniline
Concen: 63.184 ng
RT: 10.728 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 1146085

Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.3	39.5
65	27.6	22.5	33.7
92	17.5	14.5	21.7

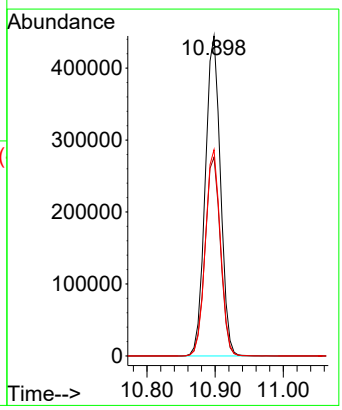


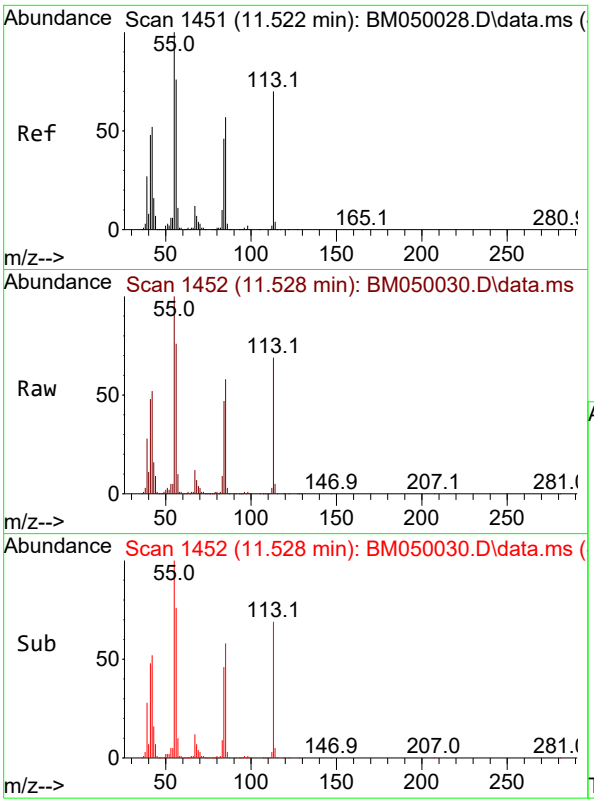


#34
Hexachlorobutadiene
Concen: 61.230 ng
RT: 10.898 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:225 Resp: 689159

Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.2	75.2
227	64.5	50.6	76.0



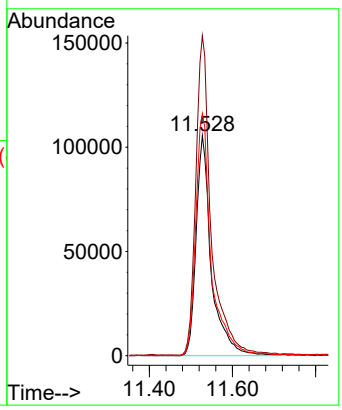


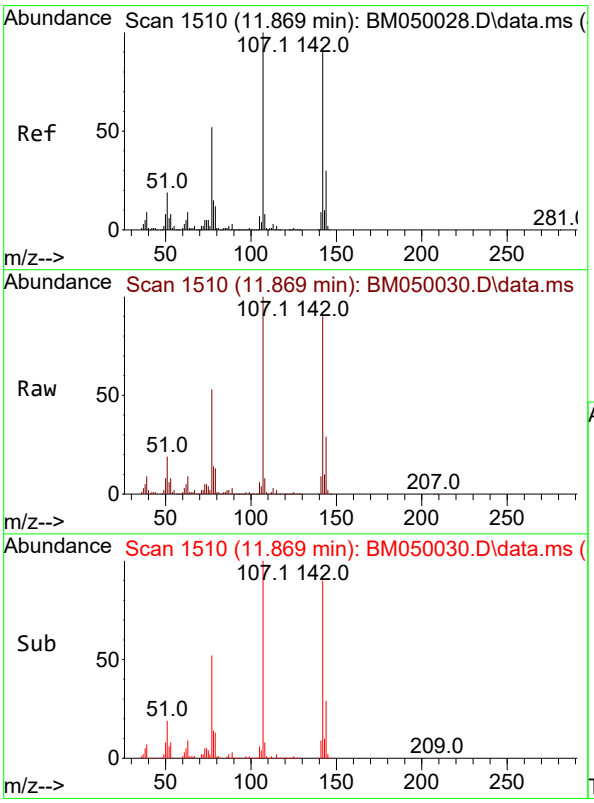
#35
Caprolactam
Concen: 62.845 ng
RT: 11.528 min Scan# 14
Delta R.T. 0.006 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 266678

Ion	Ratio	Lower	Upper
113	100		
55	145.4	122.9	162.9
56	110.1	88.1	128.1

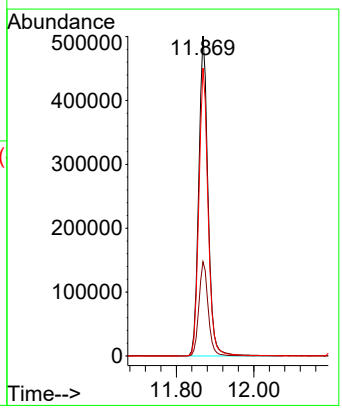


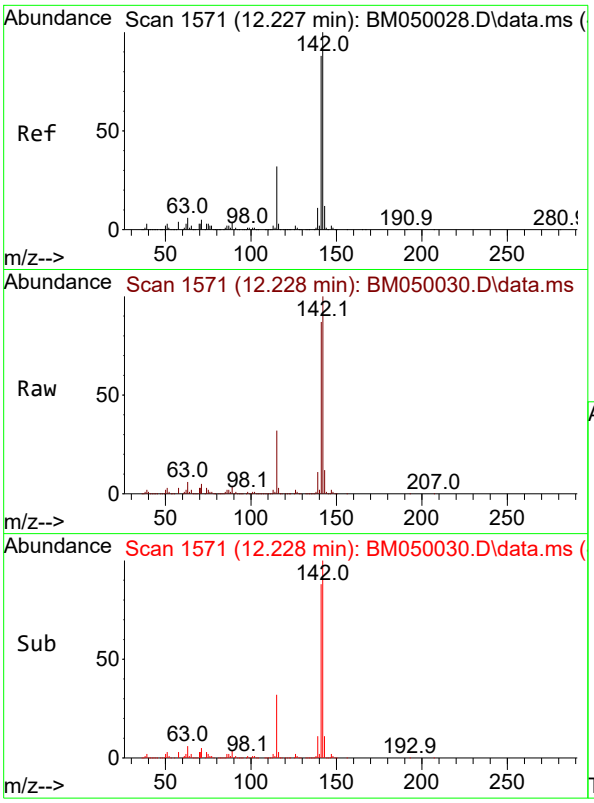


#36
4-Chloro-3-methylphenol
Concen: 61.882 ng
RT: 11.869 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:107 Resp: 832050

Ion	Ratio	Lower	Upper
107	100		
144	29.4	23.8	35.6
142	89.9	71.9	107.9



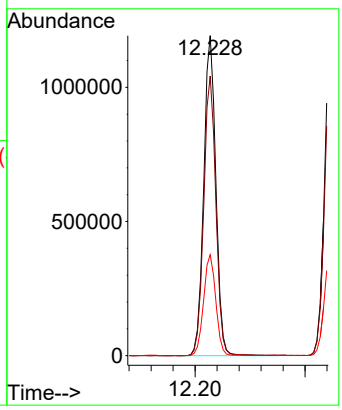


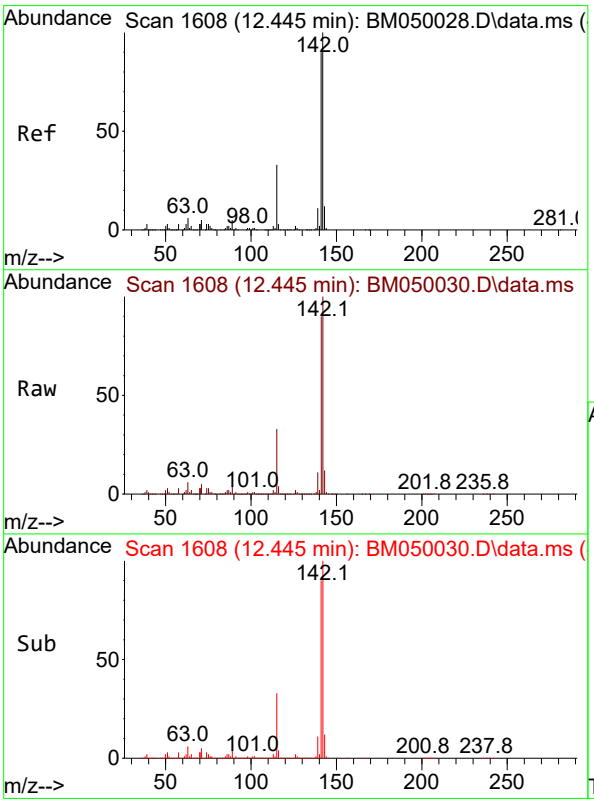
#37
2-Methylnaphthalene
Concen: 61.185 ng
RT: 12.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 1815345

Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.4	105.6
115	31.5	25.4	38.2

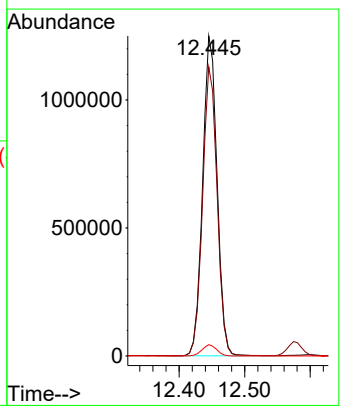


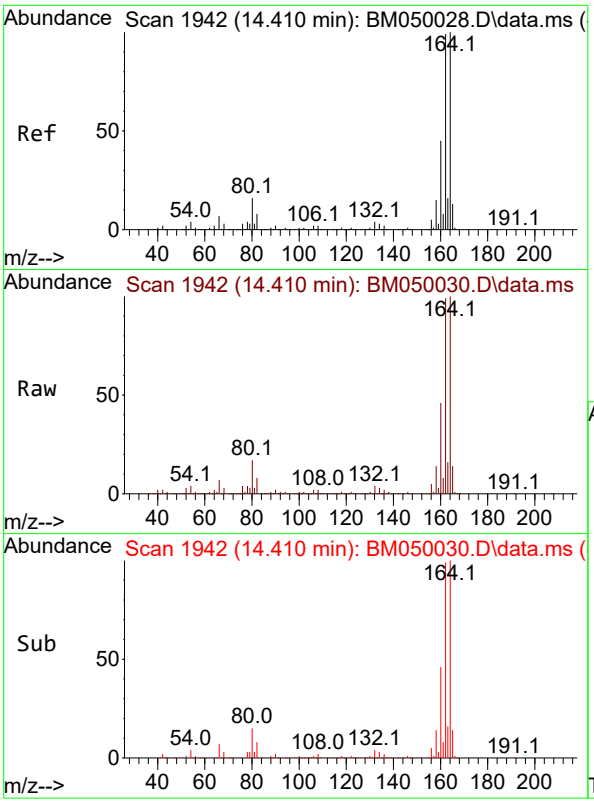


#38
1-Methylnaphthalene
Concen: 61.021 ng
RT: 12.445 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:142 Resp: 1916000

Ion	Ratio	Lower	Upper
142	100		
141	90.4	72.1	108.1
116	3.5	2.7	4.1



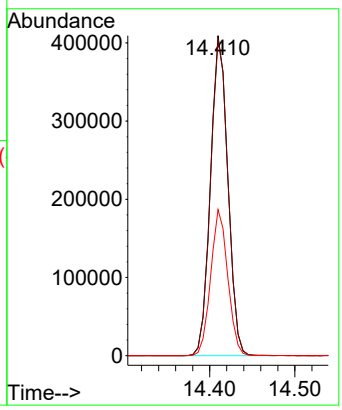


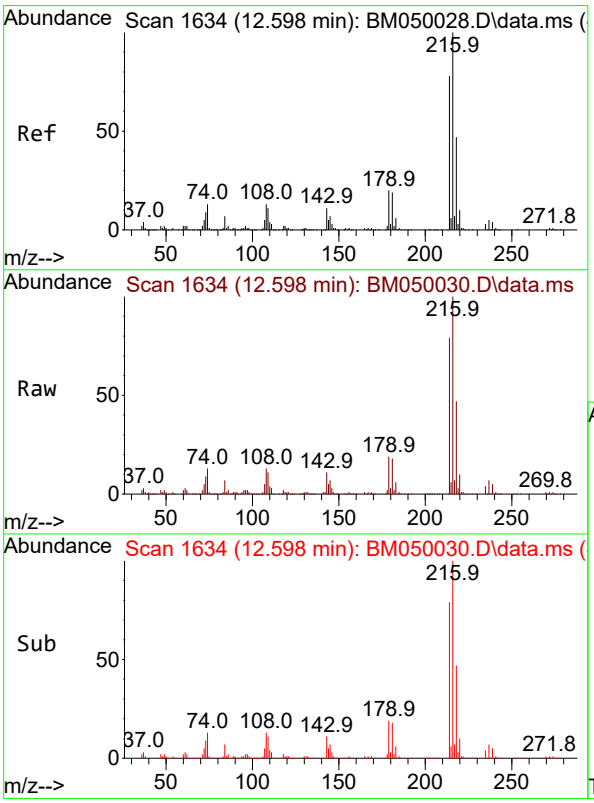
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 580977

Ion	Ratio	Lower	Upper
164	100		
162	98.6	79.4	119.0
160	45.7	36.2	54.4

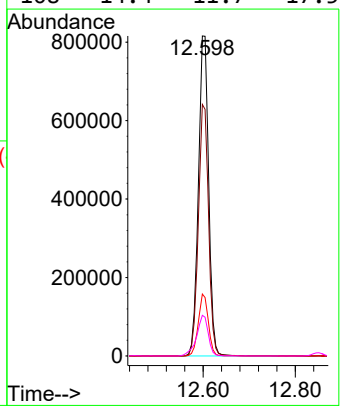


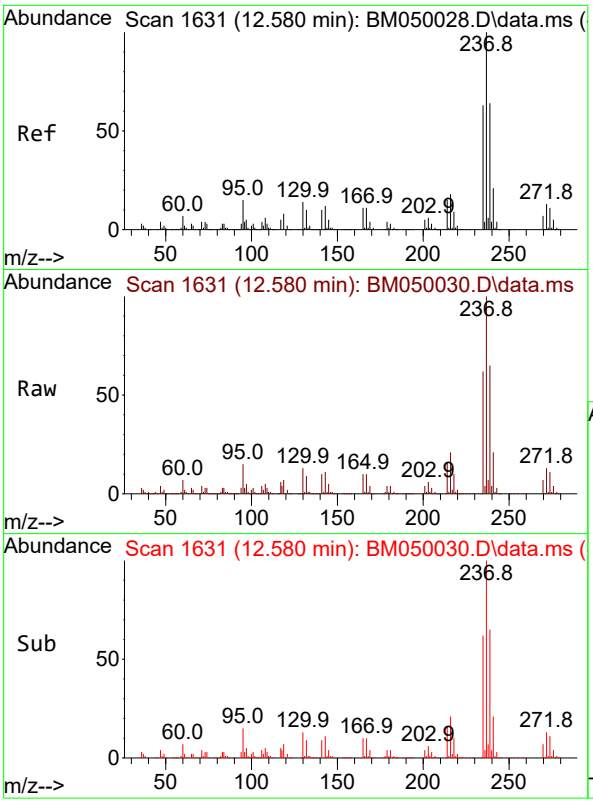


#40
1,2,4,5-Tetrachlorobenzene
Concen: 62.853 ng
RT: 12.598 min Scan# 1634
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:216 Resp: 1264090

Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.3	93.5
179	18.9	15.4	23.0
108	14.4	11.7	17.5



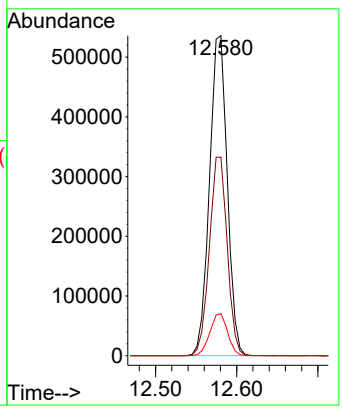


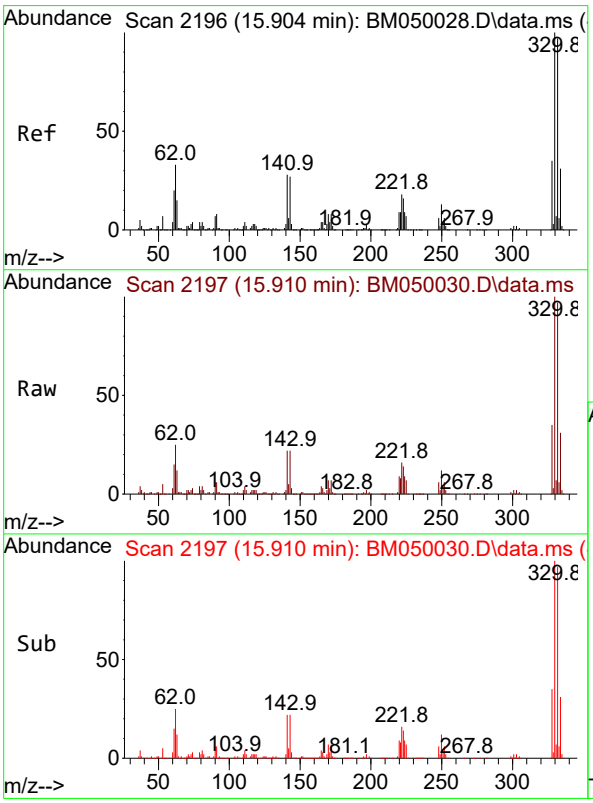
#41
Hexachlorocyclopentadiene
Concen: 66.248 ng
RT: 12.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 814238

Ion	Ratio	Lower	Upper
237	100		
235	62.0	42.9	82.9
272	13.1	0.0	32.9

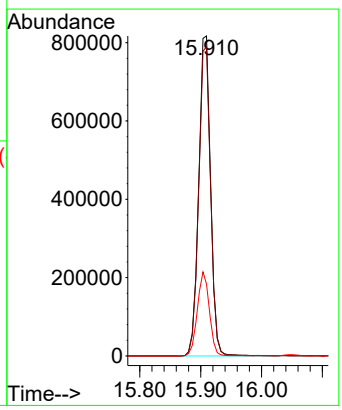


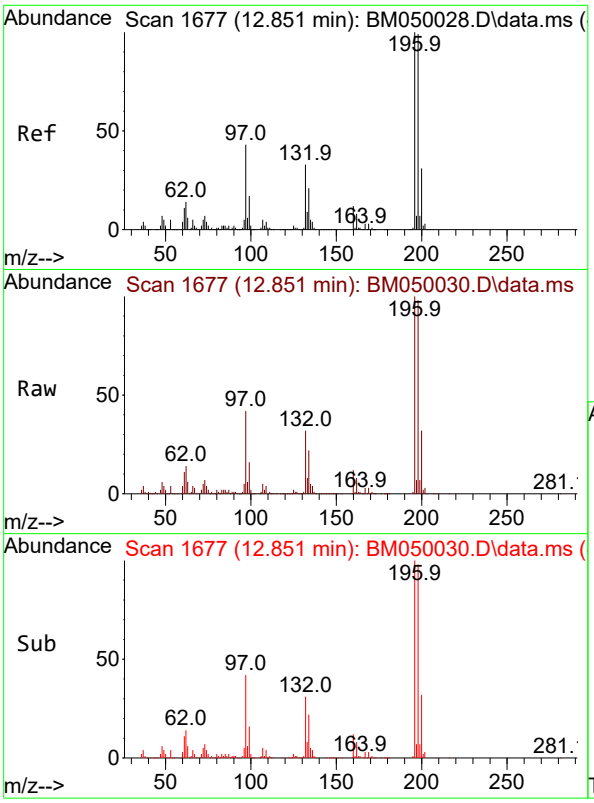


#42
2,4,6-Tribromophenol
Concen: 128.968 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:330 Resp: 1107899

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.3	115.9
141	26.6	22.5	33.7



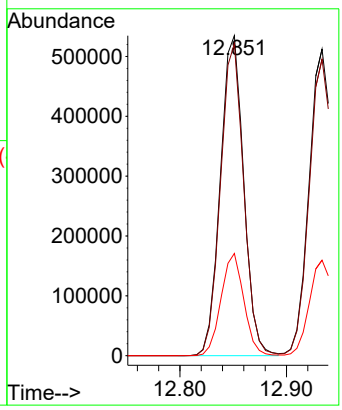


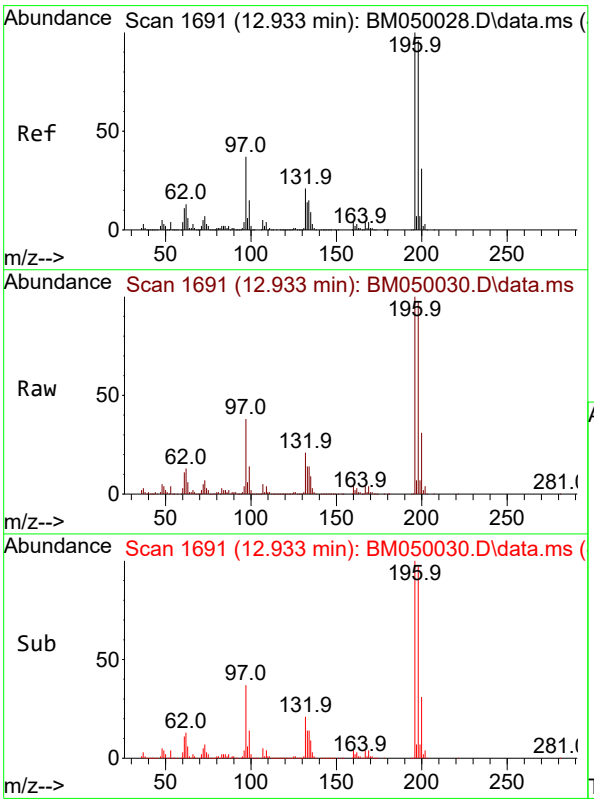
#43
2,4,6-Trichlorophenol
Concen: 63.832 ng
RT: 12.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 814256

Ion	Ratio	Lower	Upper
196	100		
198	97.5	79.0	118.6
200	31.9	25.1	37.7

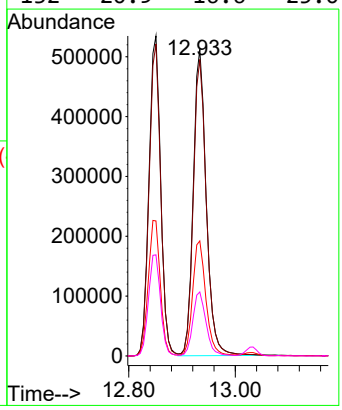


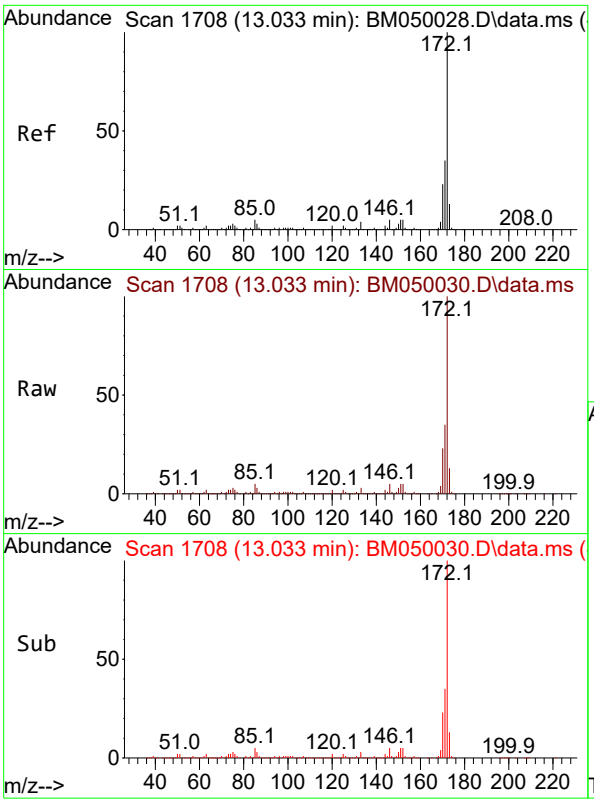


#44
2,4,5-Trichlorophenol
Concen: 63.459 ng
RT: 12.933 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:196 Resp: 872921

Ion	Ratio	Lower	Upper
196	100		
198	96.7	76.7	115.1
97	37.5	30.1	45.1
132	20.9	16.6	25.0



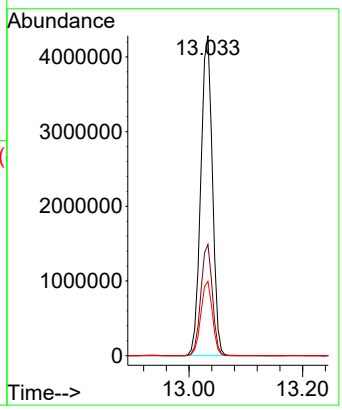


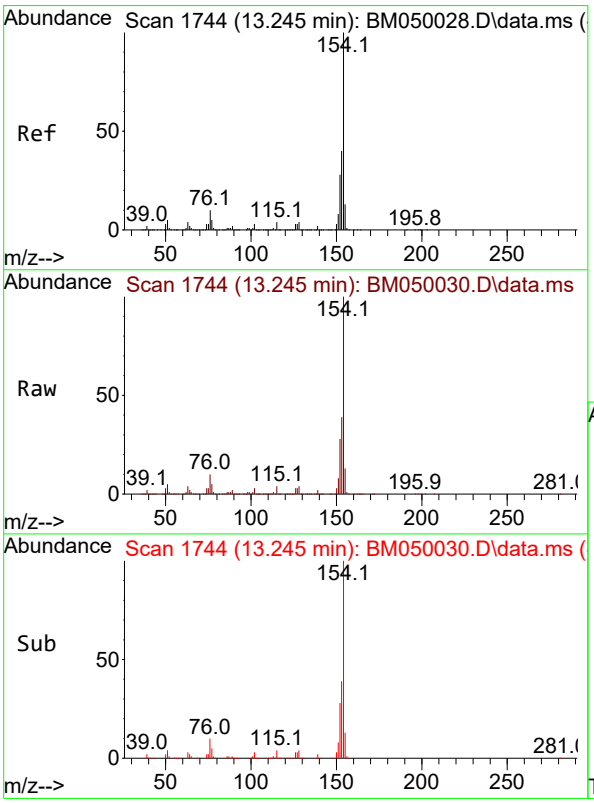
#45
2-Fluorobiphenyl
Concen: 123.782 ng
RT: 13.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 6079094

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.8	41.6
170	23.2	18.6	28.0

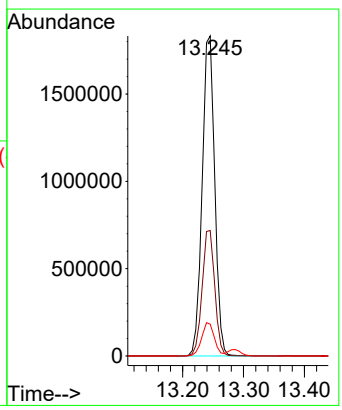


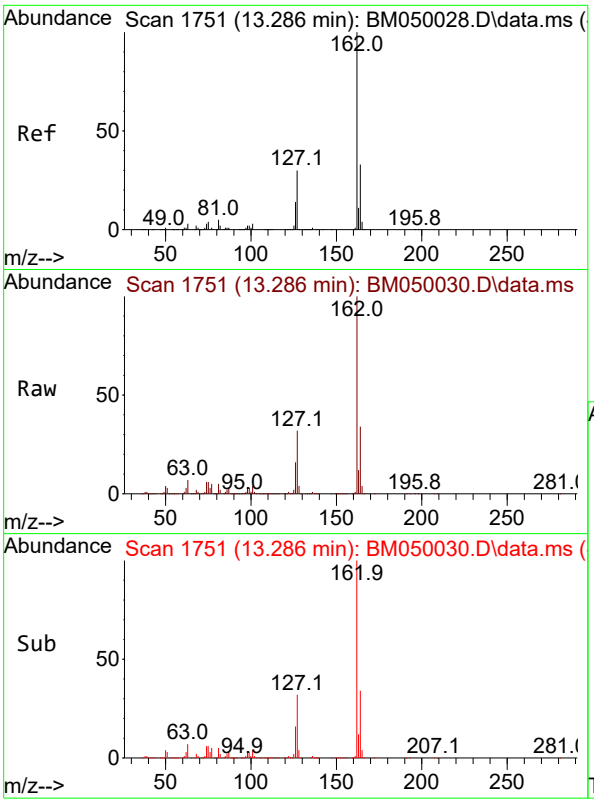


#46
1,1'-Biphenyl
Concen: 60.817 ng
RT: 13.245 min Scan# 1744
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:154 Resp: 2626494

Ion	Ratio	Lower	Upper
154	100		
153	39.2	20.0	60.0
76	9.9	0.0	30.3



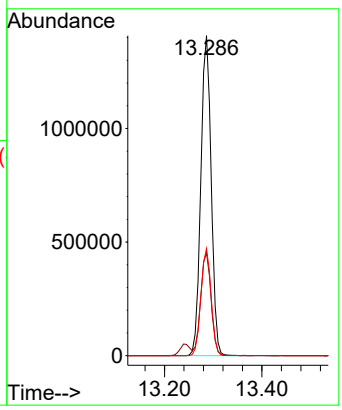


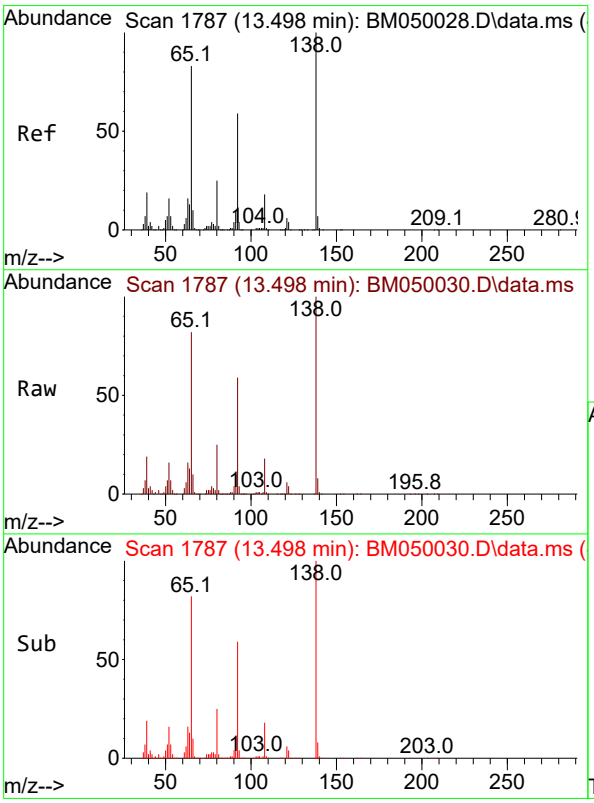
#47
2-Chloronaphthalene
Concen: 60.760 ng
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 2078242

Ion	Ratio	Lower	Upper
162	100		
127	32.1	25.9	38.9
164	33.5	26.6	40.0

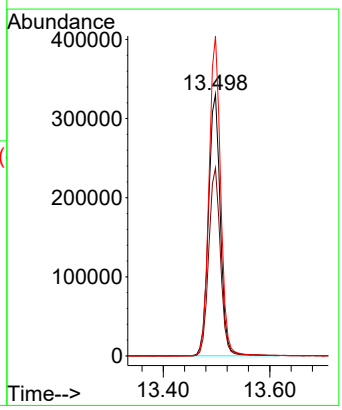


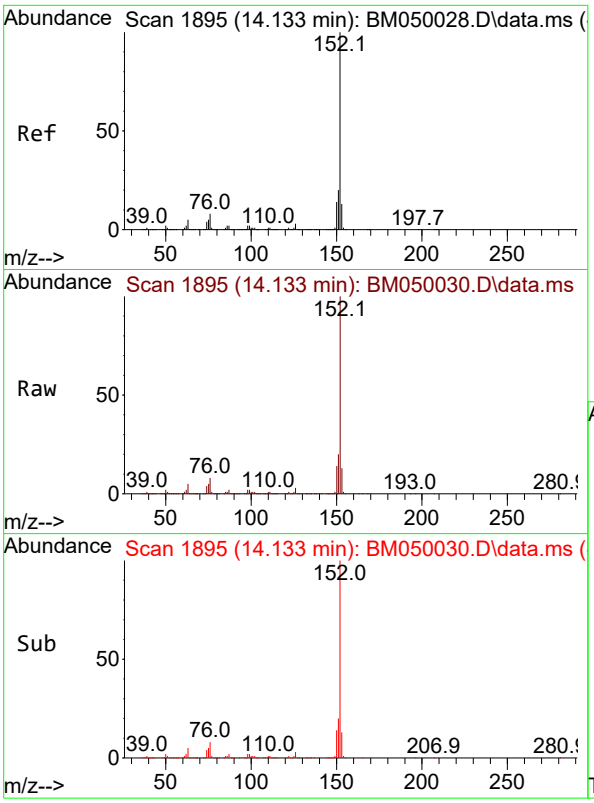


#48
2-Nitroaniline
Concen: 63.847 ng
RT: 13.498 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion: 65 Resp: 512544

Ion	Ratio	Lower	Upper
65	100		
92	71.9	57.1	85.7
138	122.3	97.0	145.4



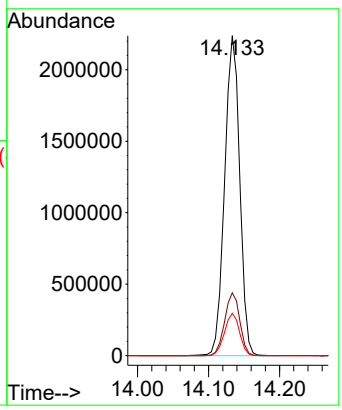


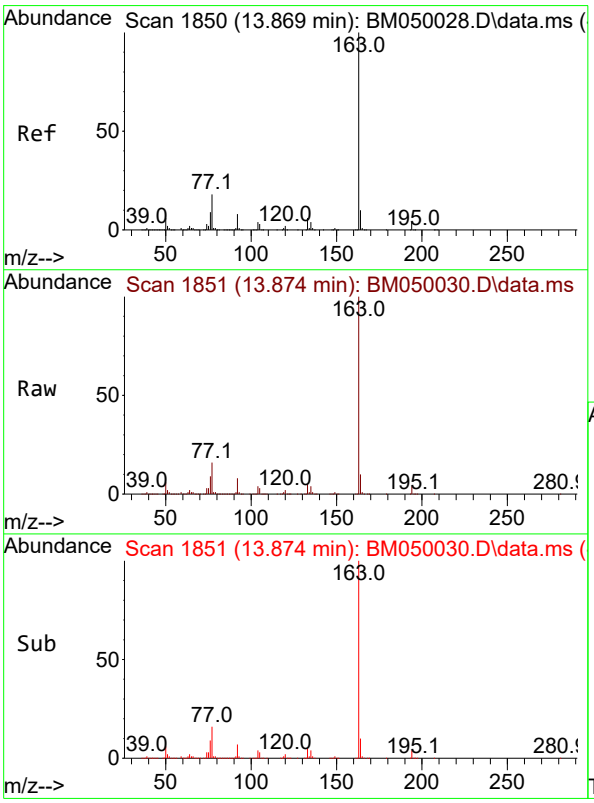
#49
Acenaphthylene
Concen: 61.060 ng
RT: 14.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 3292902

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	13.2	10.6	15.8

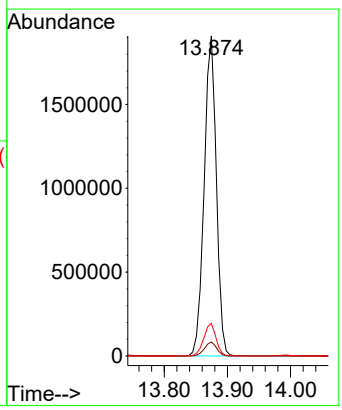


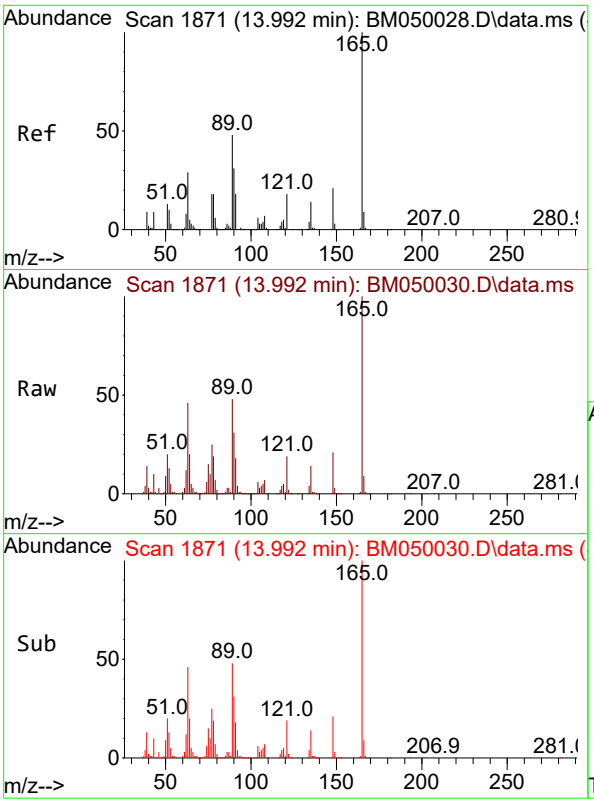


#50
Dimethylphthalate
Concen: 60.347 ng
RT: 13.874 min Scan# 1851
Delta R.T. 0.006 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:163 Resp: 2562233

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.2	8.2	12.2



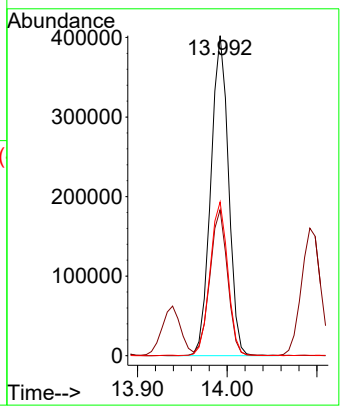


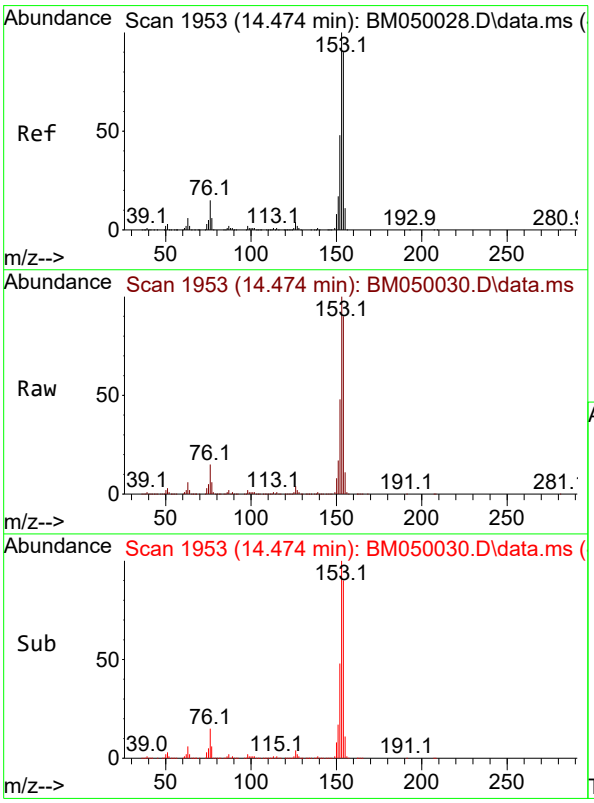
#51
2,6-Dinitrotoluene
Concen: 62.732 ng
RT: 13.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 551466

Ion	Ratio	Lower	Upper
165	100		
63	45.6	35.1	52.7
89	48.1	38.4	57.6

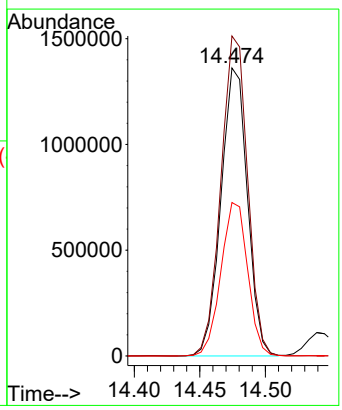


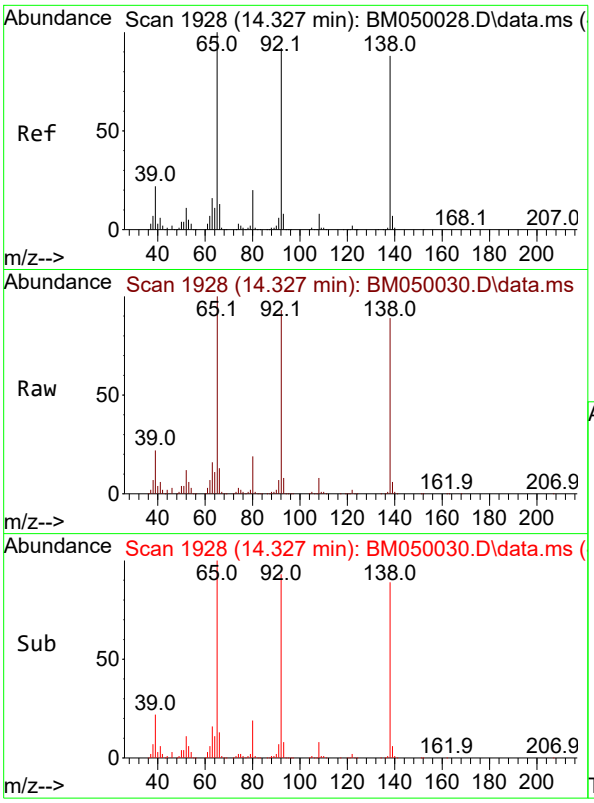


#52
Acenaphthene
Concen: 61.089 ng
RT: 14.474 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:154 Resp: 1906973

Ion	Ratio	Lower	Upper
154	100		
153	111.1	89.0	133.4
152	53.3	43.0	64.6



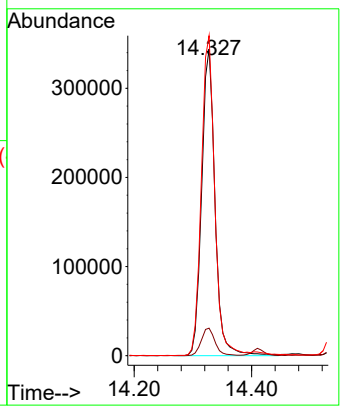


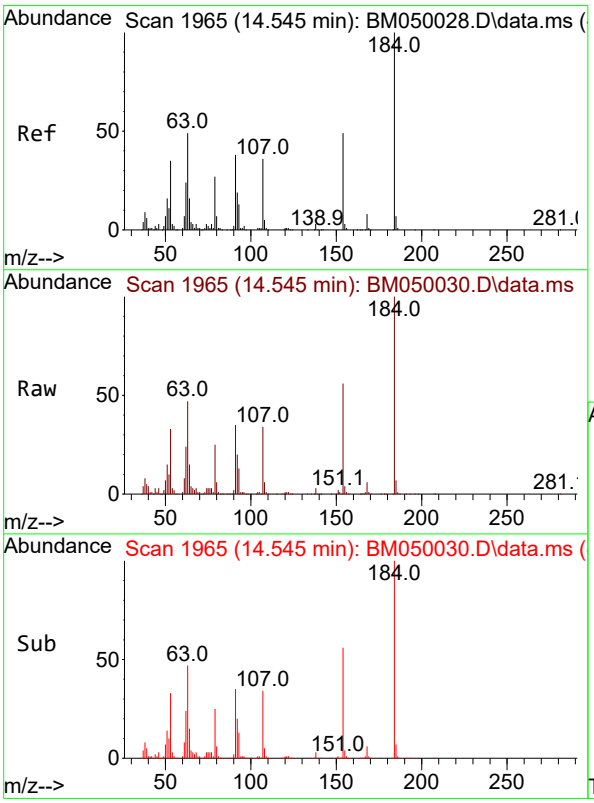
#53
3-Nitroaniline
Concen: 64.574 ng
RT: 14.327 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 541960

Ion	Ratio	Lower	Upper
138	100		
108	9.0	7.4	11.2
92	104.3	84.0	126.0

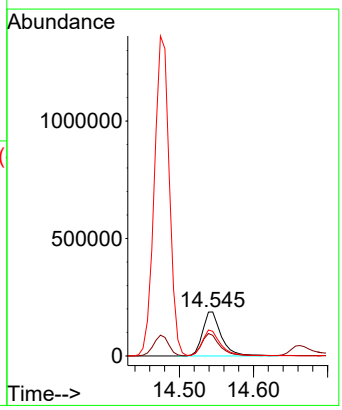


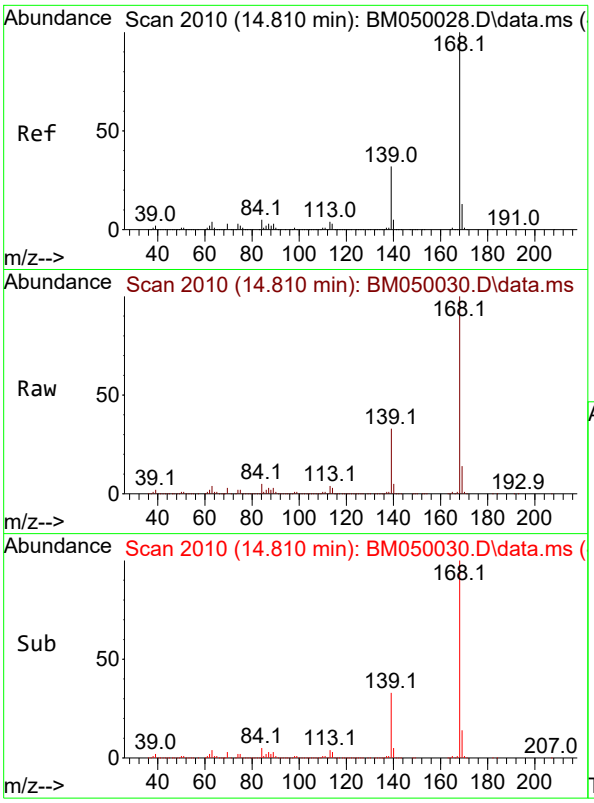


#54
2,4-Dinitrophenol
Concen: 59.847 ng
RT: 14.545 min Scan# 1965
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:184 Resp: 327924

Ion	Ratio	Lower	Upper
184	100		
63	46.9	39.8	59.6
154	56.0	46.1	69.1



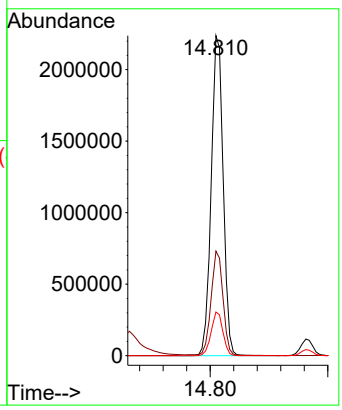


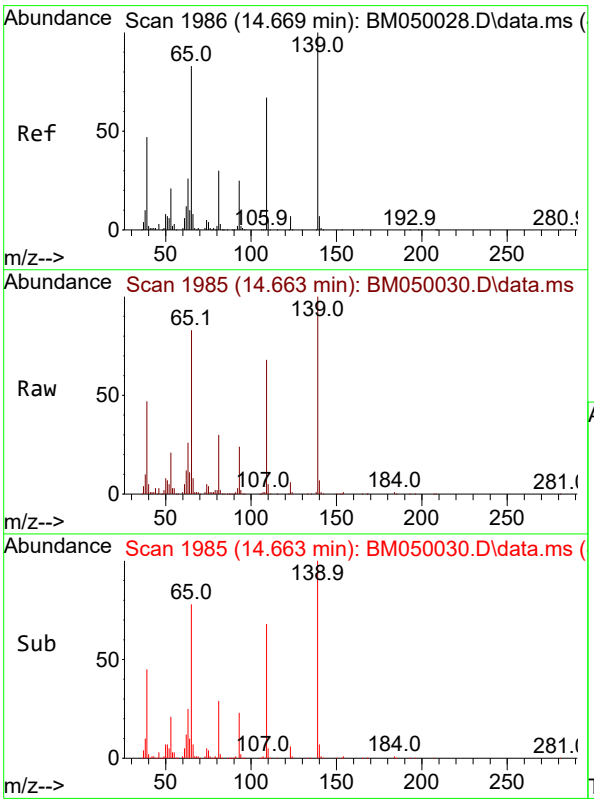
#55
Dibenzofuran
Concen: 60.738 ng
RT: 14.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 3154566

Ion	Ratio	Lower	Upper
168	100		
139	32.6	26.1	39.1
169	13.6	10.8	16.2

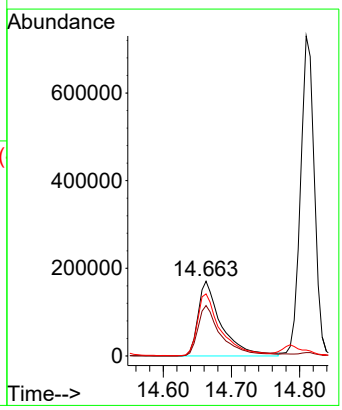


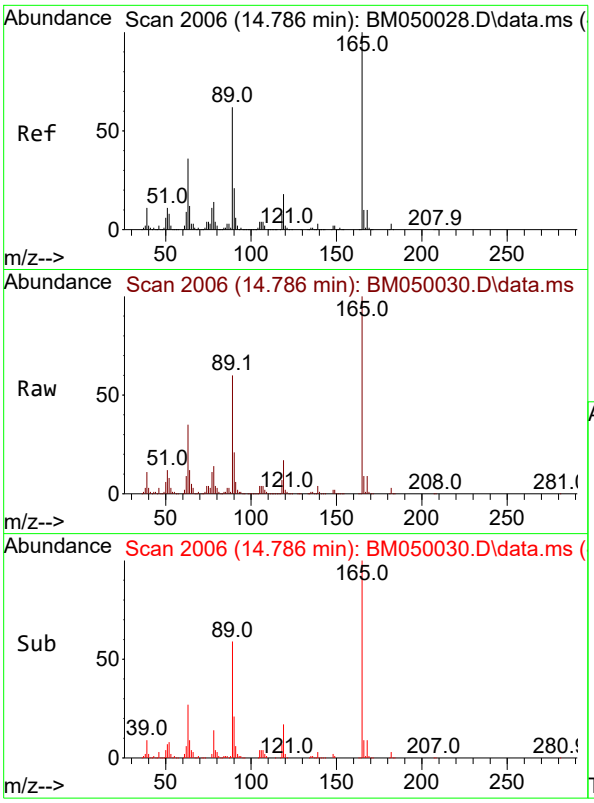


#56
4-Nitrophenol
Concen: 60.088 ng
RT: 14.663 min Scan# 1985
Delta R.T. -0.006 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:139 Resp: 402106

Ion	Ratio	Lower	Upper
139	100		
109	67.5	47.0	87.0
65	83.0	64.3	104.3



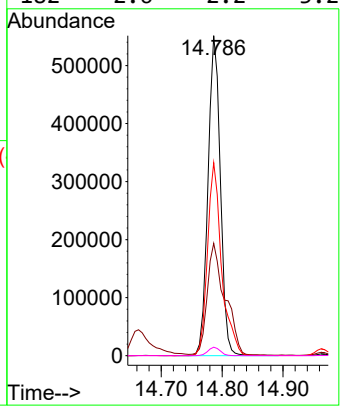


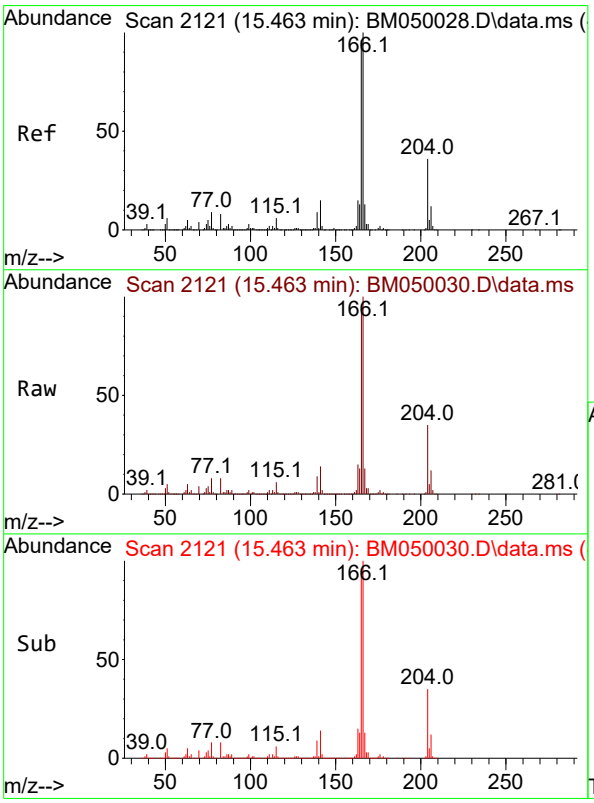
#57
2,4-Dinitrotoluene
Concen: 64.180 ng
RT: 14.786 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 779604

Ion	Ratio	Lower	Upper
165	100		
63	35.1	29.0	43.6
89	60.3	49.4	74.2
182	2.6	2.2	3.2

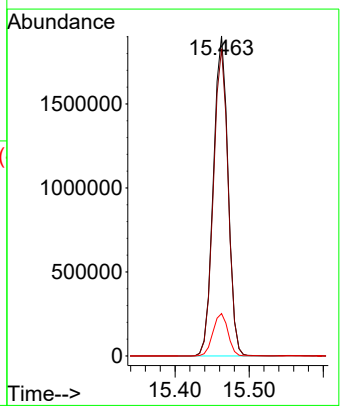


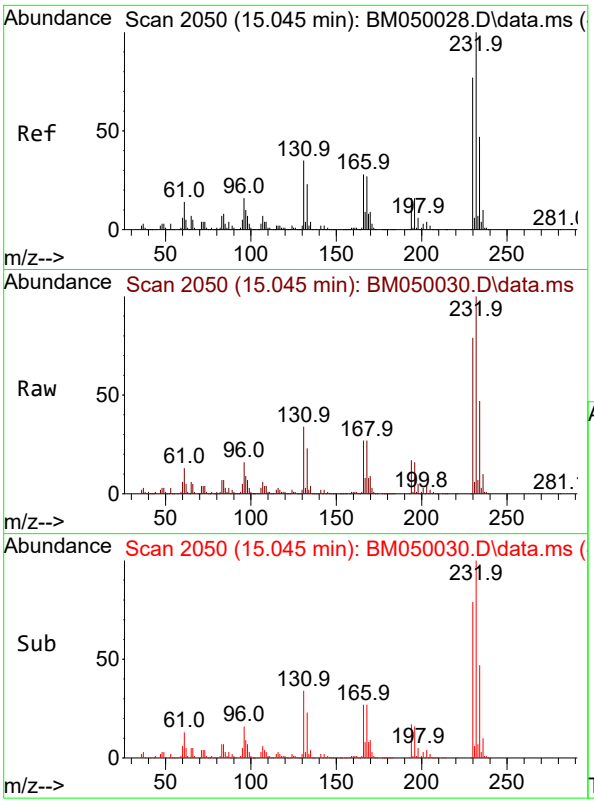


#58
Fluorene
Concen: 61.497 ng
RT: 15.463 min Scan# 2121
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:166 Resp: 2614340

Ion	Ratio	Lower	Upper
166	100		
165	96.0	76.6	115.0
167	13.3	10.6	16.0



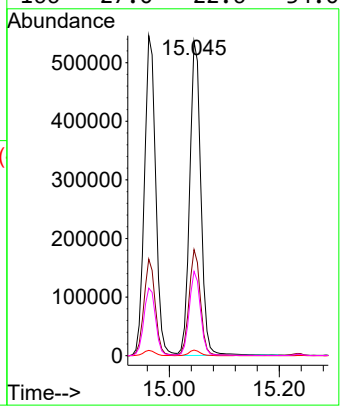


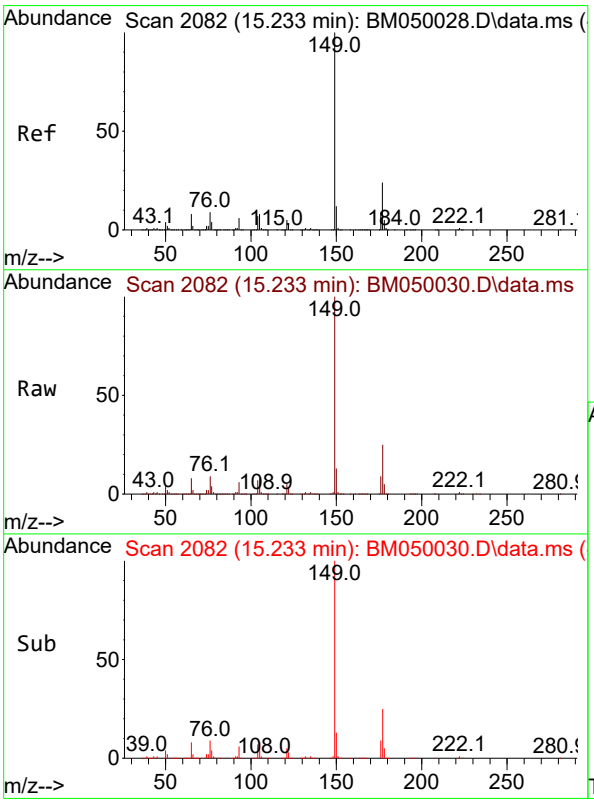
#59
2,3,4,6-Tetrachlorophenol
Concen: 63.213 ng
RT: 15.045 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 752680

Ion	Ratio	Lower	Upper
232	100		
131	34.1	28.2	42.4
130	1.8	1.5	2.3
166	27.0	22.6	34.0

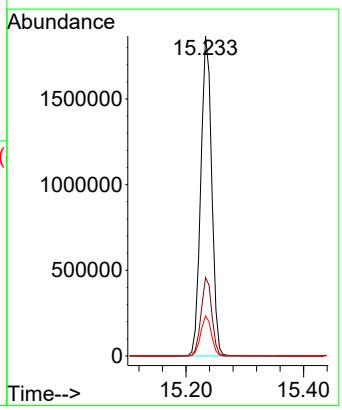


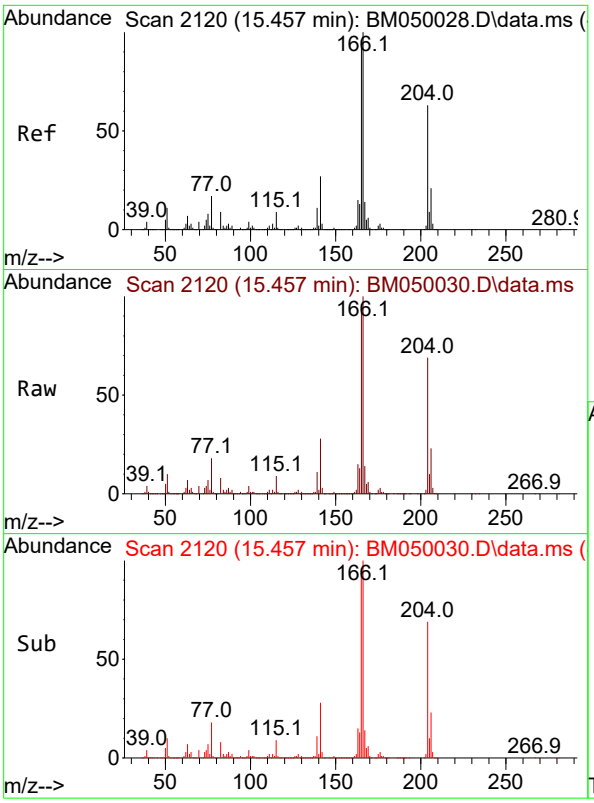


#60
Diethylphthalate
Concen: 59.930 ng
RT: 15.233 min Scan# 2082
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:149 Resp: 2397624

Ion	Ratio	Lower	Upper
149	100		
177	24.5	19.1	28.7
150	12.5	9.6	14.4



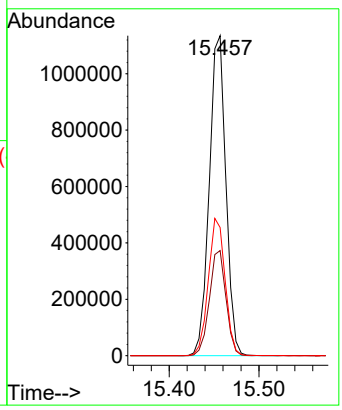


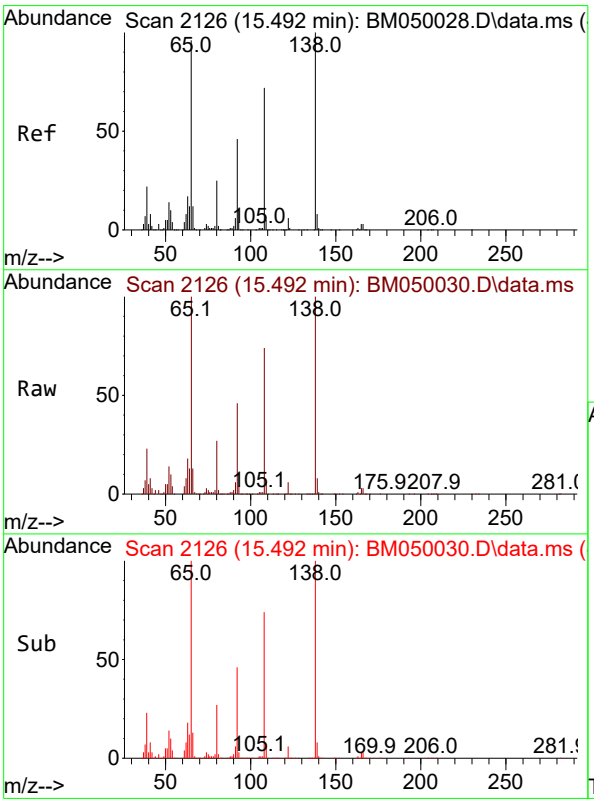
#61
4-Chlorophenyl-phenylether
Concen: 62.403 ng
RT: 15.457 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 1457099

Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.3	39.5
141	40.0	34.0	51.0

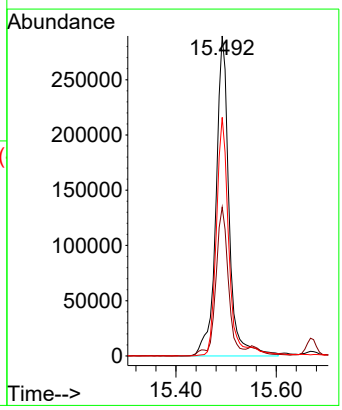


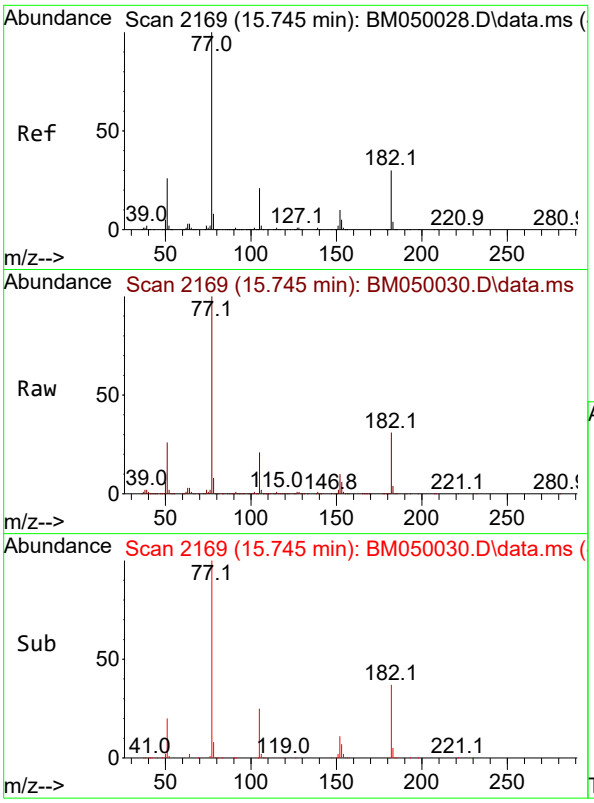


#62
4-Nitroaniline
Concen: 64.776 ng
RT: 15.492 min Scan# 2126
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:138 Resp: 524887

Ion	Ratio	Lower	Upper
138	100		
92	46.5	25.9	65.9
108	74.6	52.4	92.4



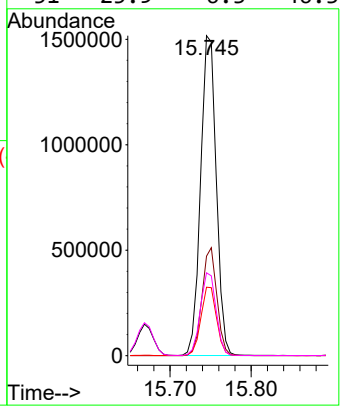


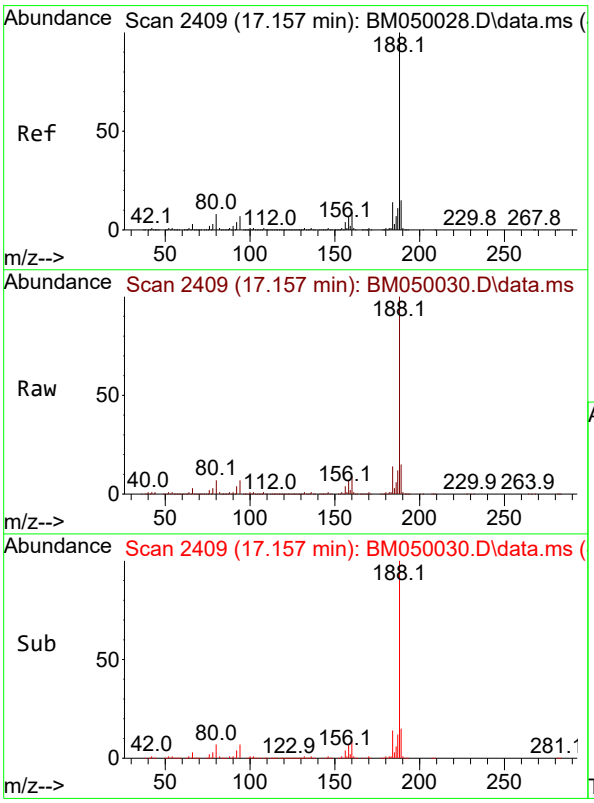
#63
Azobenzene
Concen: 60.550 ng
RT: 15.745 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 2030208

Ion	Ratio	Lower	Upper
77	100		
182	31.1	10.5	50.5
105	21.4	1.1	41.1
51	25.9	6.3	46.3

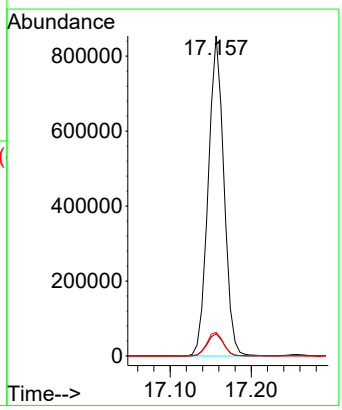


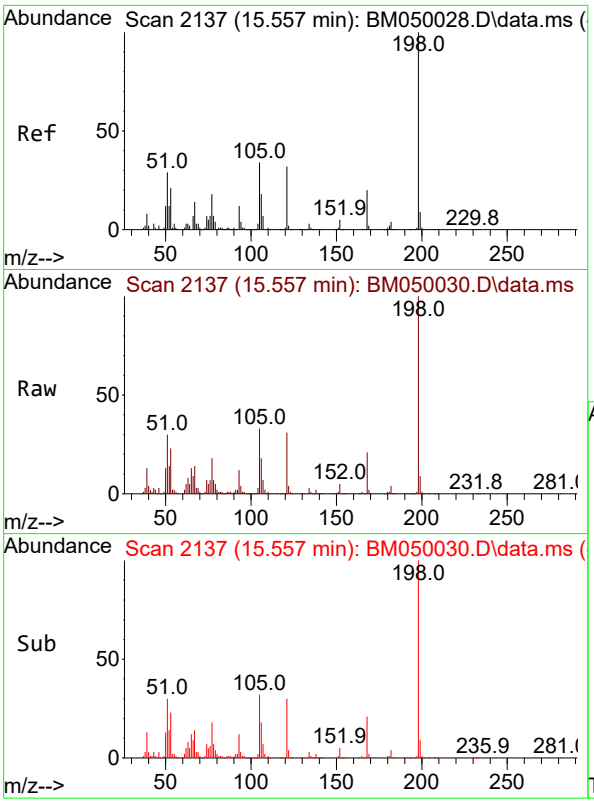


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:188 Resp: 1144389

Ion	Ratio	Lower	Upper
188	100		
94	6.9	5.7	8.5
80	7.3	6.2	9.4



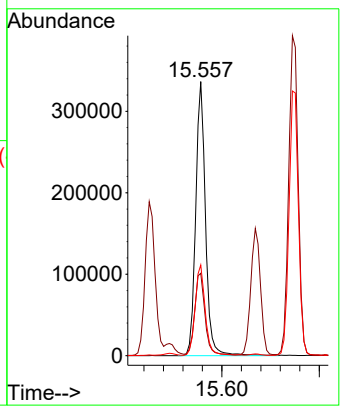


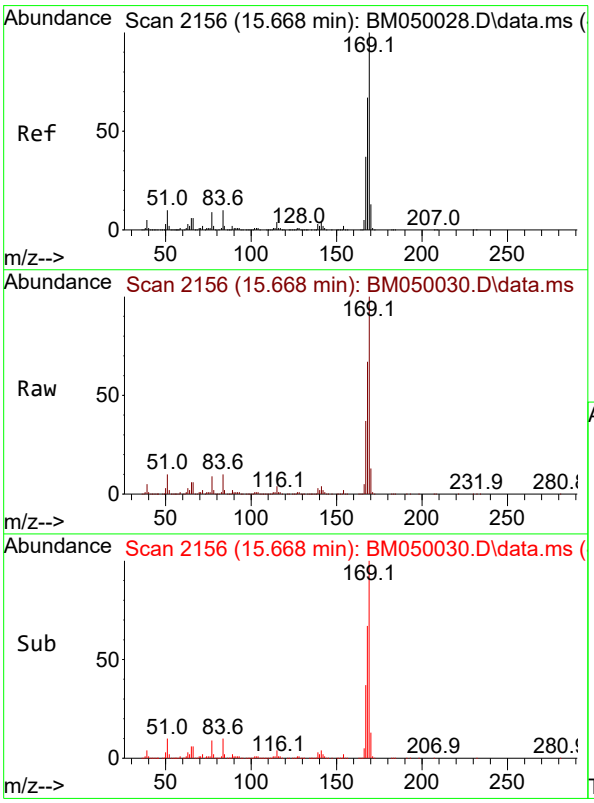
#65
4,6-Dinitro-2-methylphenol
Concen: 66.167 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 473987

Ion	Ratio	Lower	Upper
198	100		
51	30.1	10.4	50.4
105	33.1	14.6	54.6

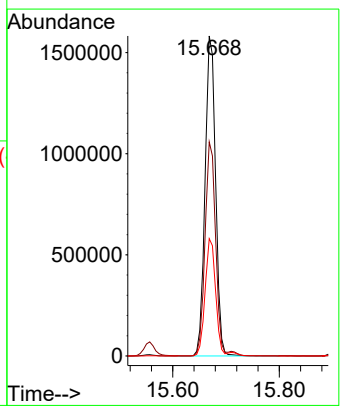


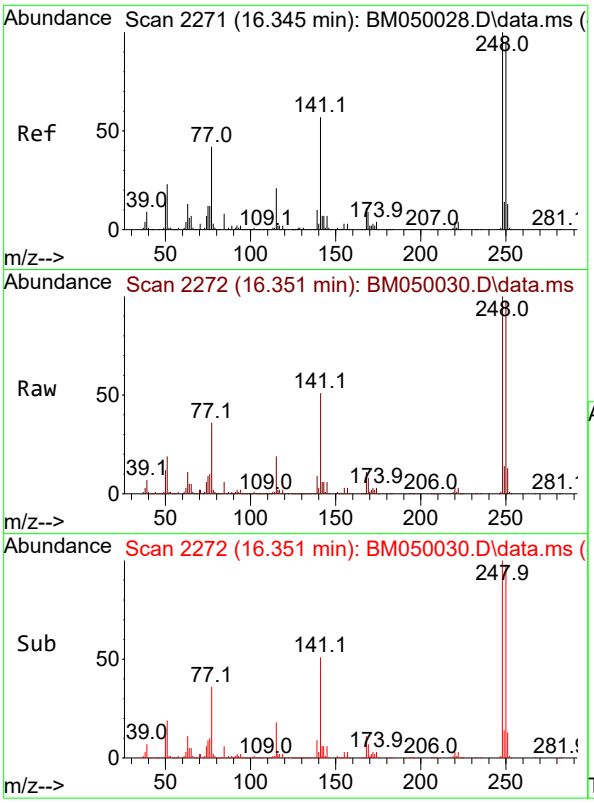


#66
n-Nitrosodiphenylamine
Concen: 61.422 ng
RT: 15.668 min Scan# 2156
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:169 Resp: 2158446

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.4	80.2
167	36.6	29.4	44.0



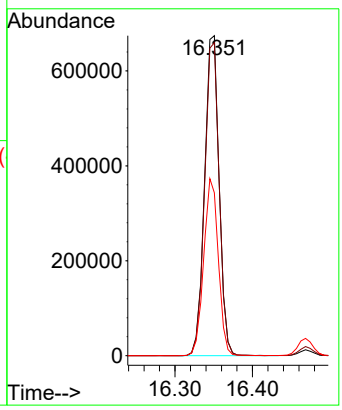


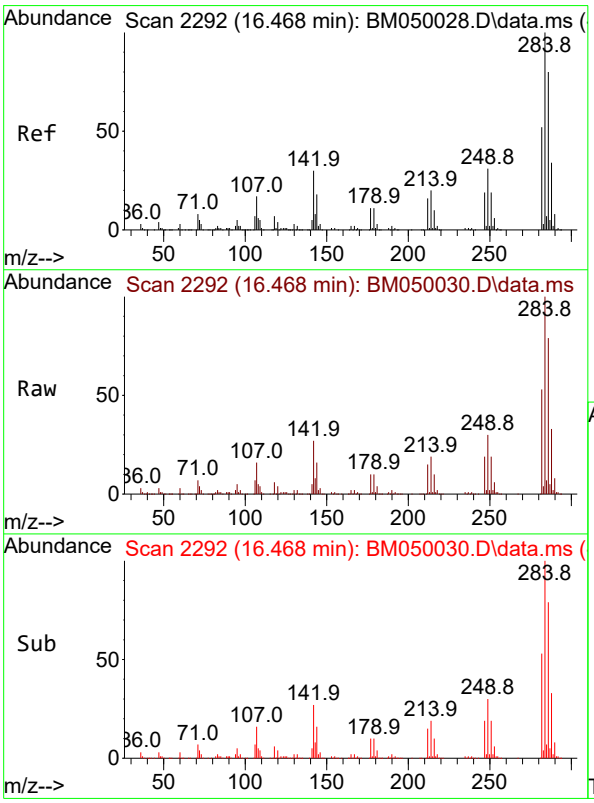
#67
4-Bromophenyl-phenylether
Concen: 63.509 ng
RT: 16.351 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 878886

Ion	Ratio	Lower	Upper
248	100		
250	97.8	76.2	114.2
141	50.9	45.9	68.9

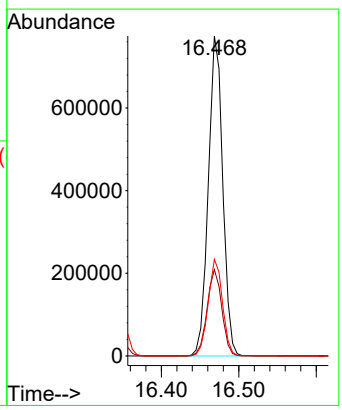


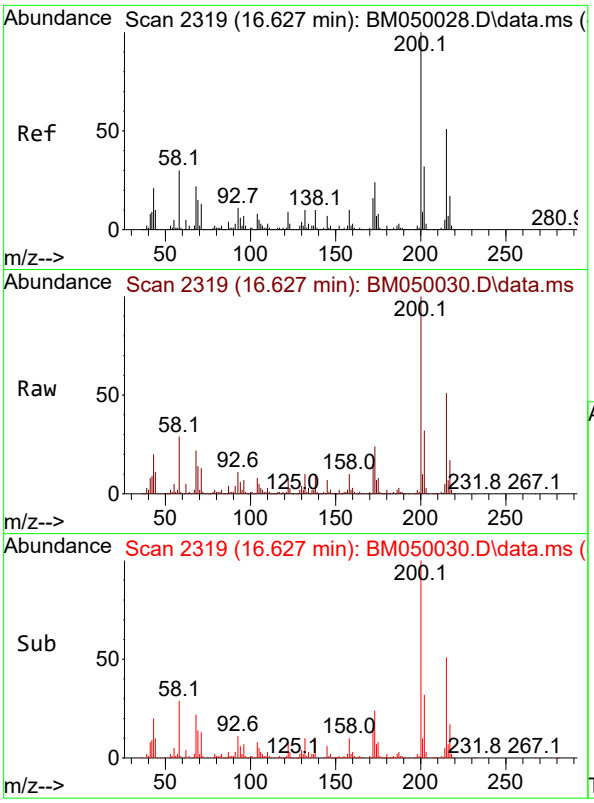


#68
Hexachlorobenzene
Concen: 62.711 ng
RT: 16.468 min Scan# 2292
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:284 Resp: 1000366

Ion	Ratio	Lower	Upper
284	100		
142	27.0	23.9	35.9
249	30.2	24.5	36.7



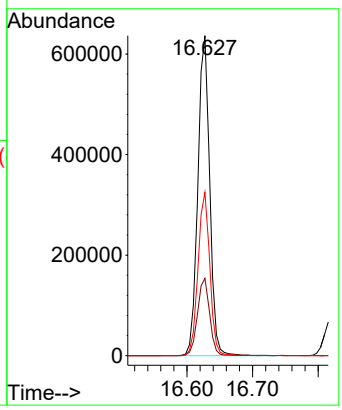


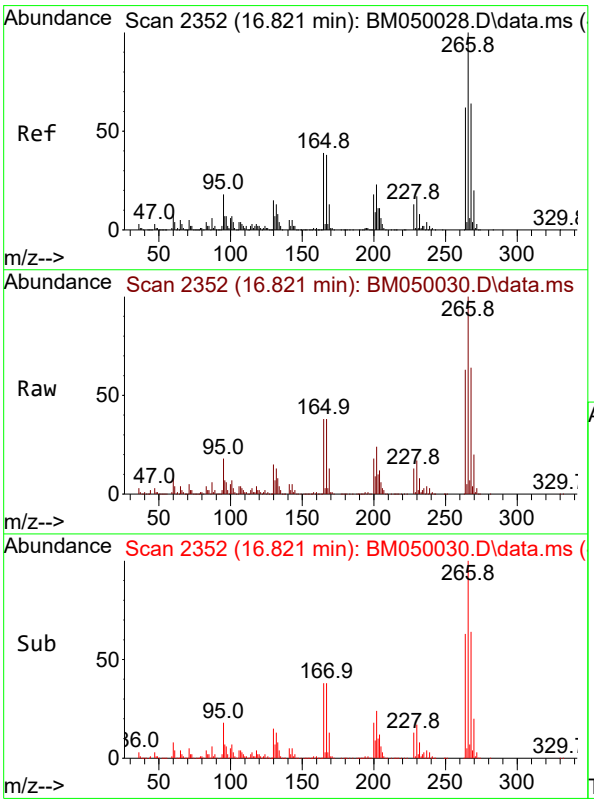
#69
Atrazine
Concen: 63.312 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 802538

Ion	Ratio	Lower	Upper
200	100		
173	24.2	4.3	44.3
215	51.0	30.6	70.6

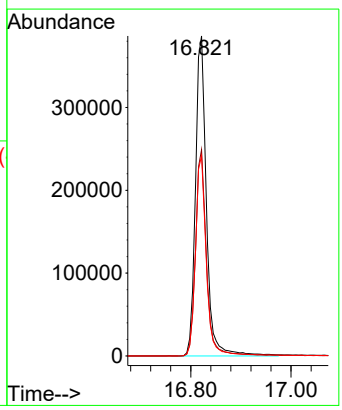


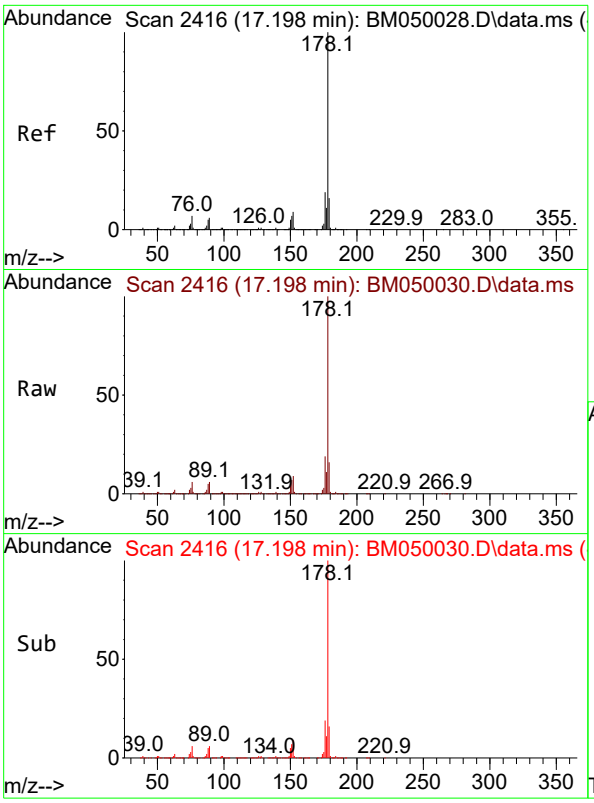


#70
Pentachlorophenol
Concen: 65.136 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:266 Resp: 584874

Ion	Ratio	Lower	Upper
266	100		
268	64.5	51.2	76.8
264	62.6	49.6	74.4



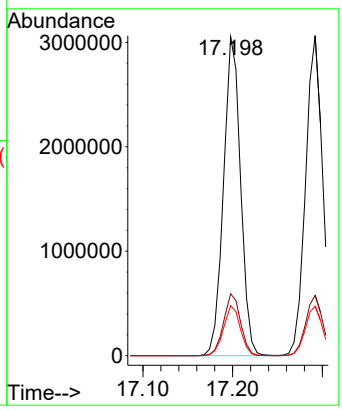


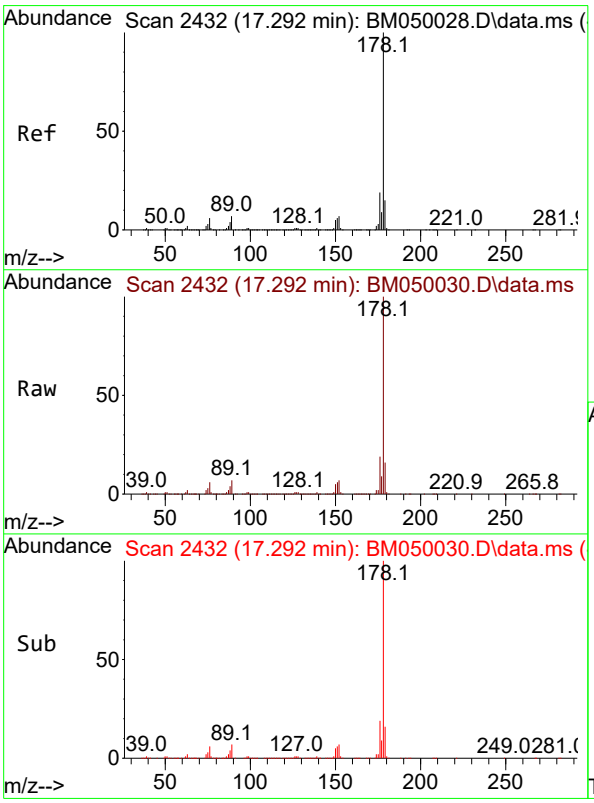
#71
Phenanthrene
Concen: 62.410 ng
RT: 17.198 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 4028280

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.7	12.4	18.6

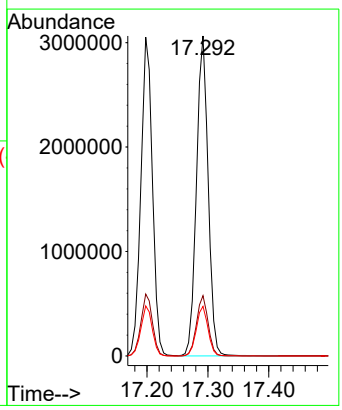


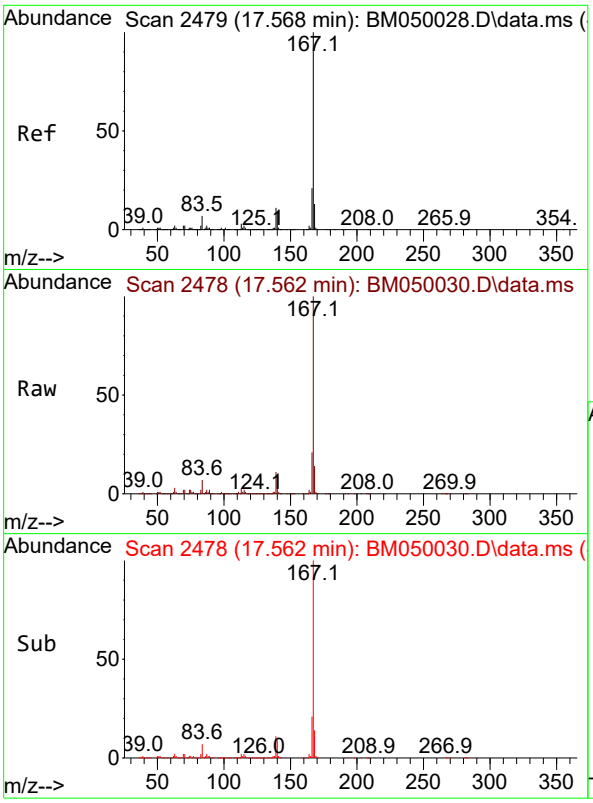


#72
Anthracene
Concen: 62.590 ng
RT: 17.292 min Scan# 2432
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:178 Resp: 4088295

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.5	12.2	18.4



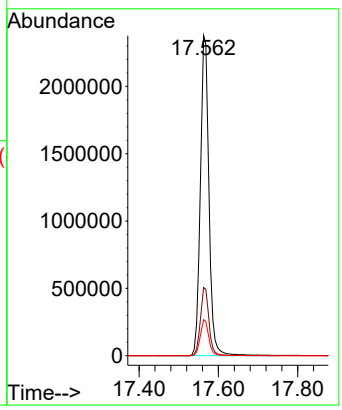


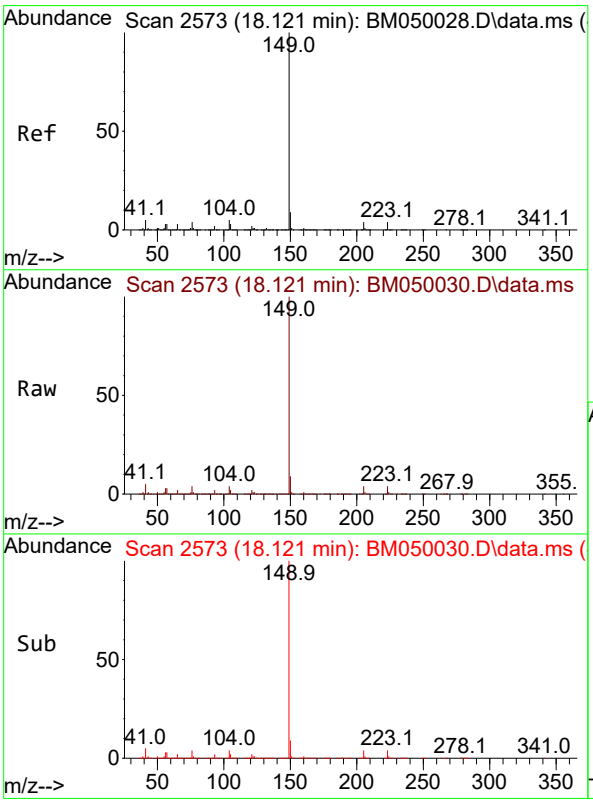
#73
Carbazole
Concen: 62.854 ng
RT: 17.562 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 3562573

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.2	25.8
139	11.3	9.0	13.6

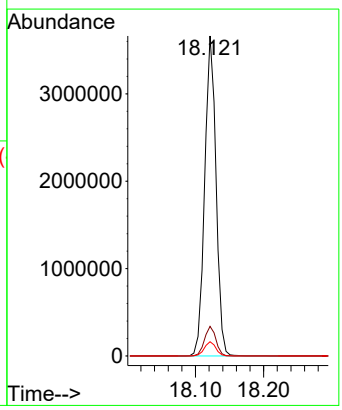


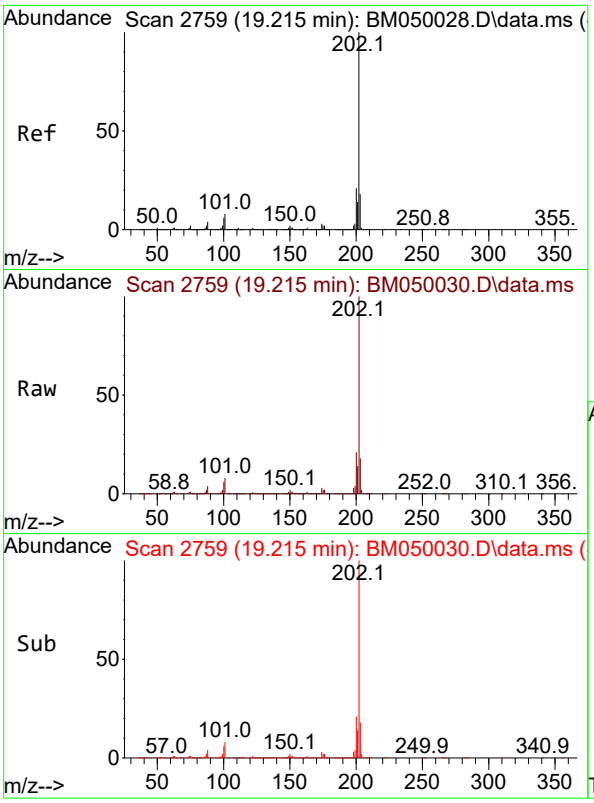


#74
Di-n-butylphthalate
Concen: 62.607 ng
RT: 18.121 min Scan# 2573
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:149 Resp: 4225922

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.5	3.8	5.6



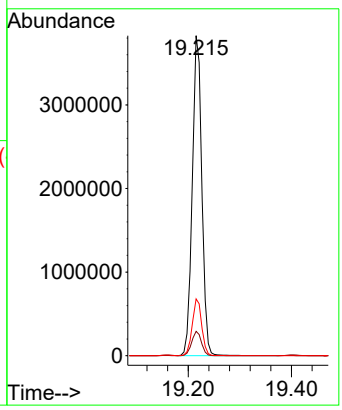


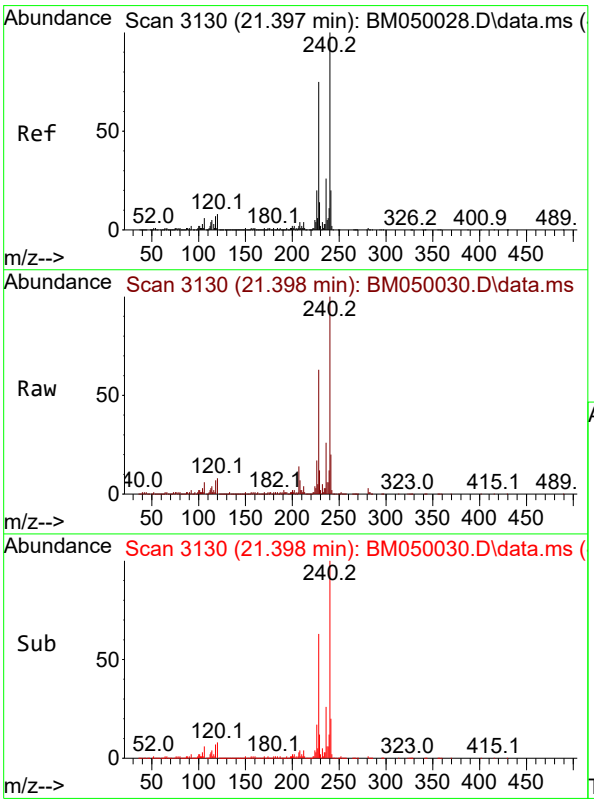
#75
Fluoranthene
Concen: 64.546 ng
RT: 19.215 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 4891273

Ion	Ratio	Lower	Upper
202	100		
101	7.6	0.0	28.0
203	17.8	0.0	37.7

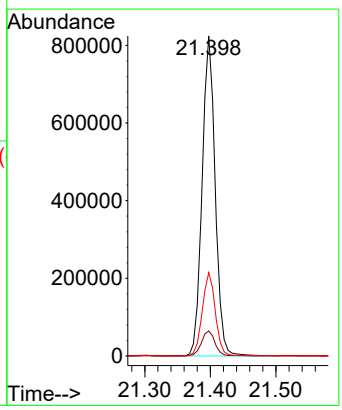


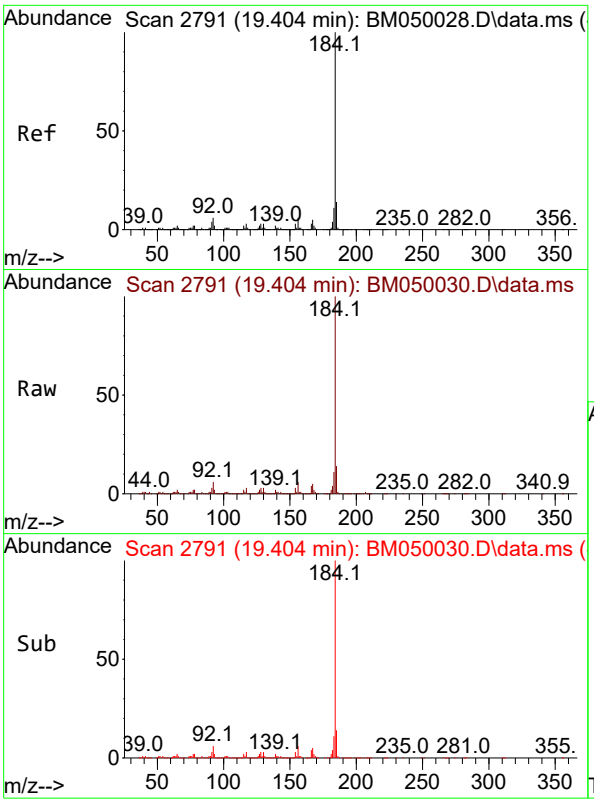


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 3130
Delta R.T. 0.001 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:240 Resp: 1144881

Ion	Ratio	Lower	Upper
240	100		
120	7.8	6.5	9.7
236	26.1	20.9	31.3



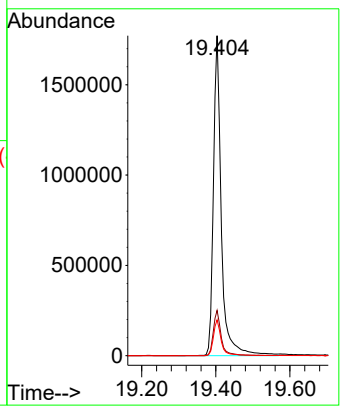


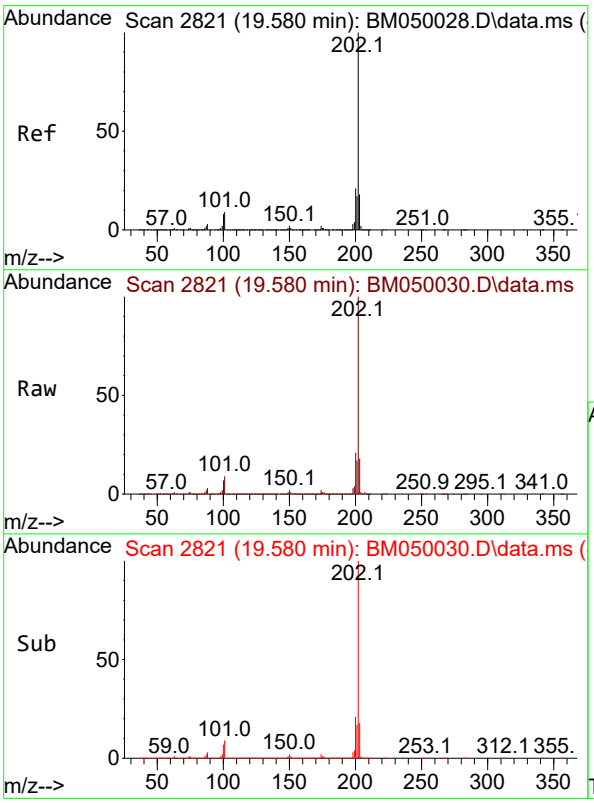
#77
Benzidine
Concen: 64.592 ng
RT: 19.404 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 2626747

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.5	17.3
183	11.2	8.9	13.3

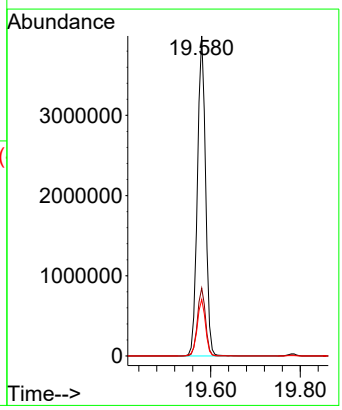


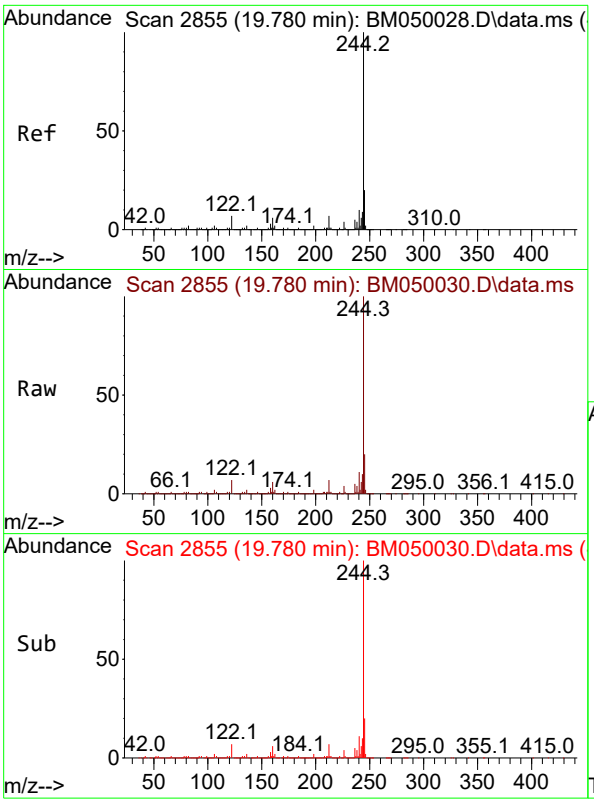


#78
Pyrene
Concen: 62.565 ng
RT: 19.580 min Scan# 2821
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:202 Resp: 5030035

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.6	14.1	21.1



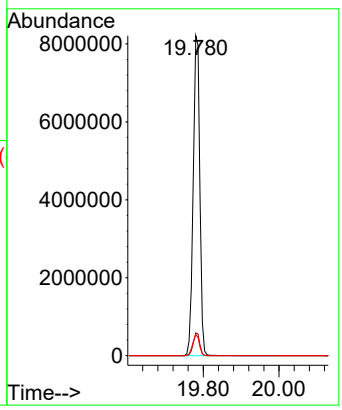


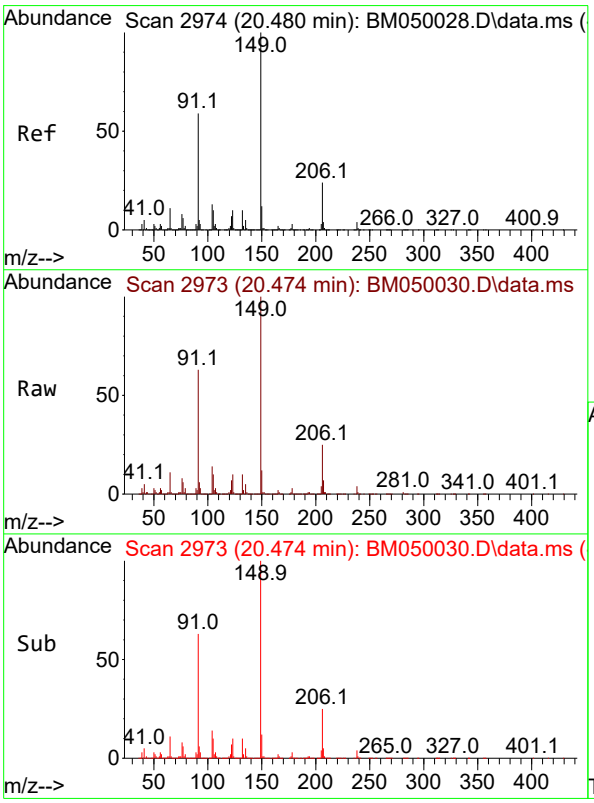
#79
Terphenyl-d14
Concen: 129.471 ng
RT: 19.780 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp:10017186

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	6.6	5.6	8.4

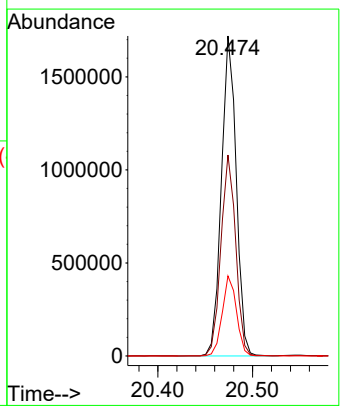


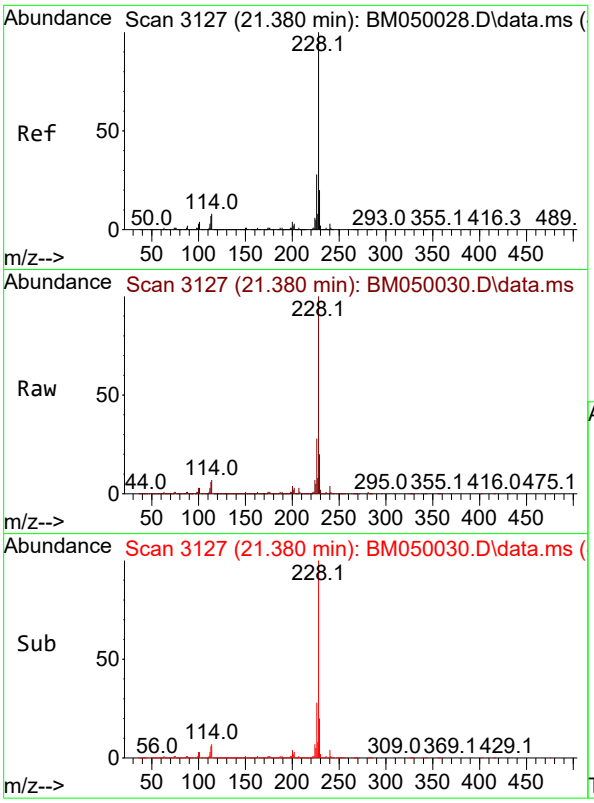


#80
Butylbenzylphthalate
Concen: 62.216 ng
RT: 20.474 min Scan# 2973
Delta R.T. -0.006 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:149 Resp: 1873444

Ion	Ratio	Lower	Upper
149	100		
91	62.8	47.4	71.2
206	25.0	19.4	29.0



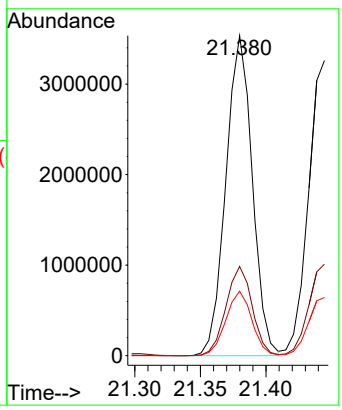


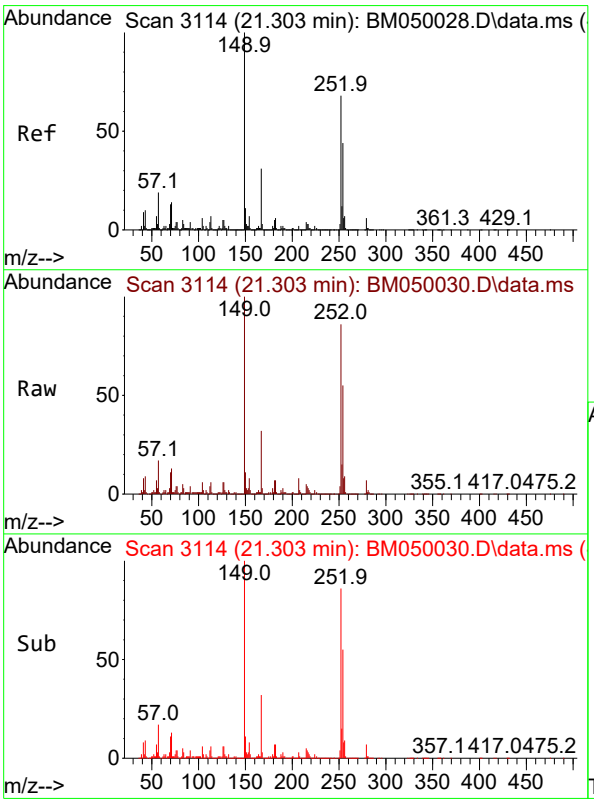
#81
Benzo(a)anthracene
Concen: 62.841 ng
RT: 21.380 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 4954357

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.1	33.1
229	20.2	15.7	23.5

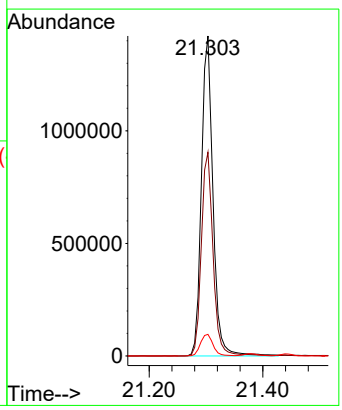


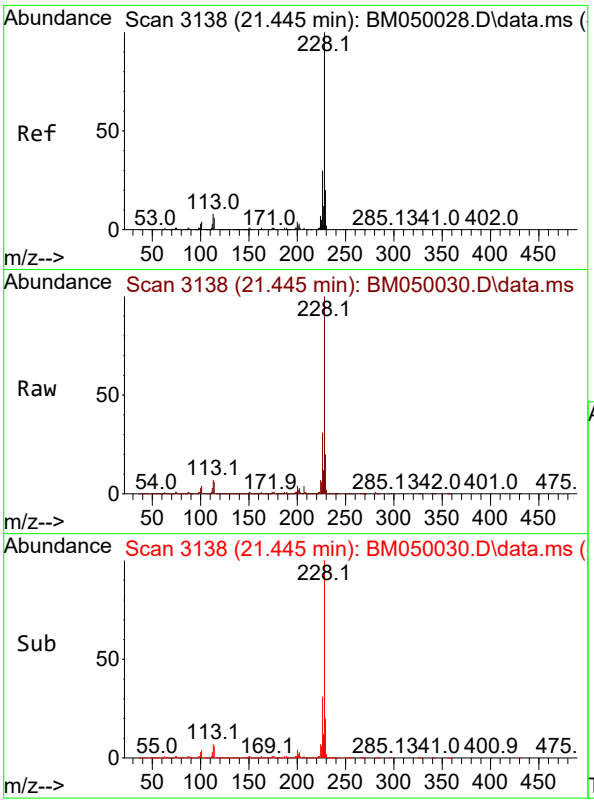


#82
3,3'-Dichlorobenzidine
Concen: 66.368 ng
RT: 21.303 min Scan# 3114
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:252 Resp: 2003019

Ion	Ratio	Lower	Upper
252	100		
254	63.6	51.8	77.6
126	6.7	6.0	9.0



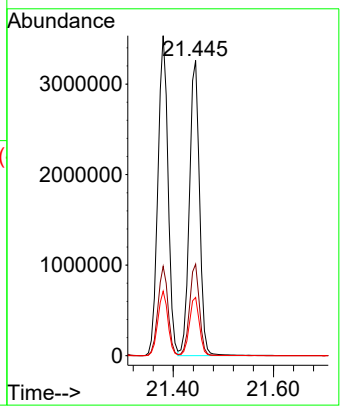


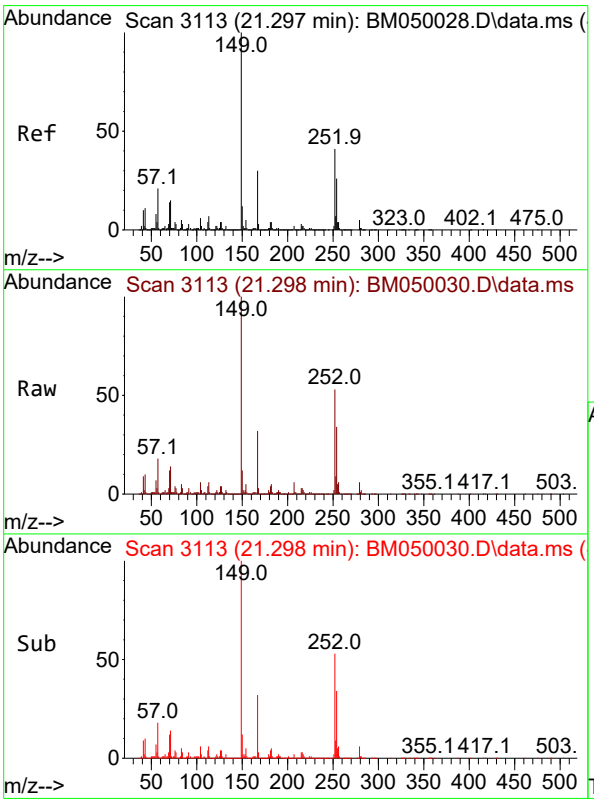
#83
Chrysene
Concen: 62.348 ng
RT: 21.445 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 4549388

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.2	36.2
229	19.7	15.7	23.5

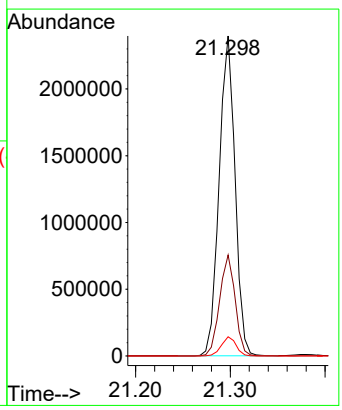


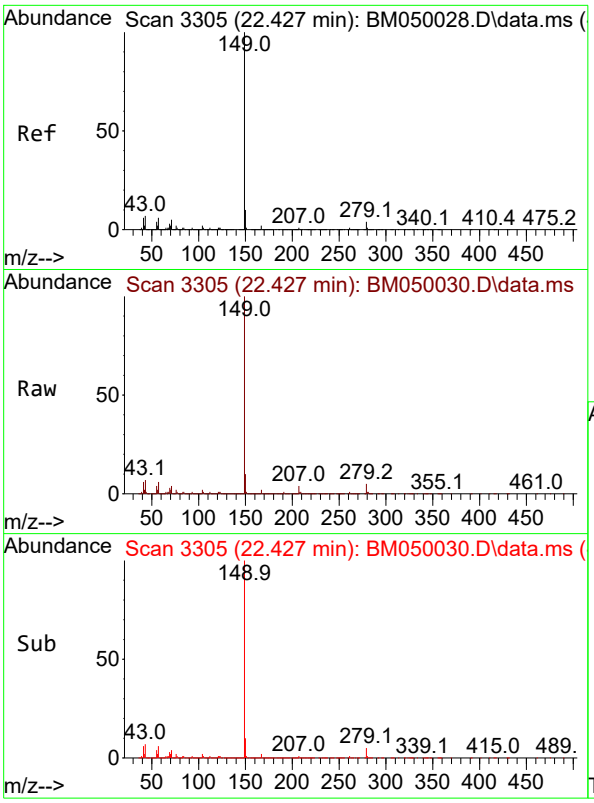


#84
Bis(2-ethylhexyl)phthalate
Concen: 62.192 ng
RT: 21.298 min Scan# 3113
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:149 Resp: 2797195

Ion	Ratio	Lower	Upper
149	100		
167	31.6	24.1	36.1
279	6.0	3.9	5.9#



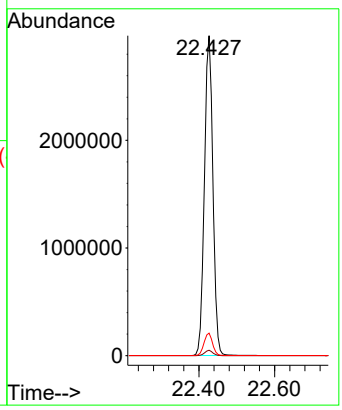


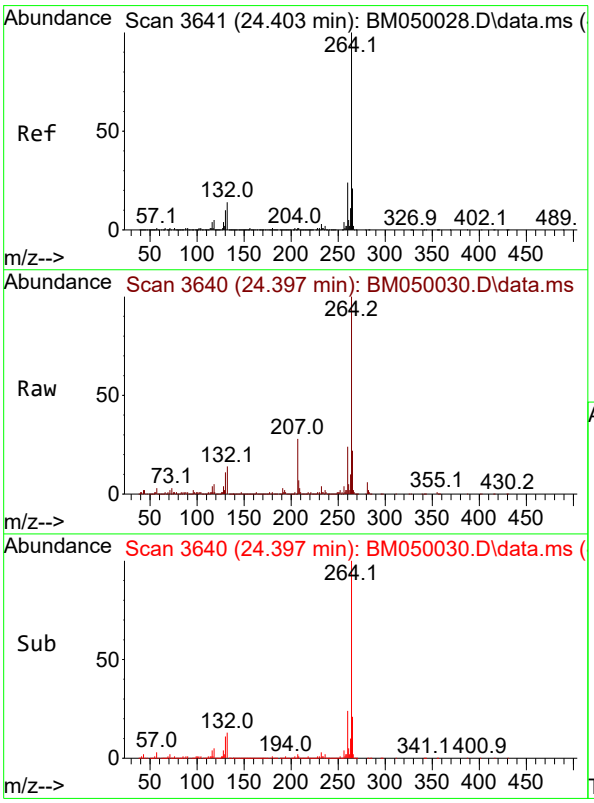
#85
Di-n-octyl phthalate
Concen: 62.095 ng
RT: 22.427 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 4605837

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.1	5.8	8.8

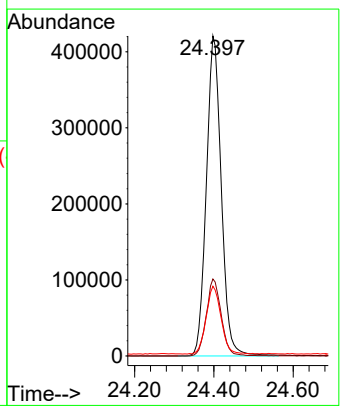


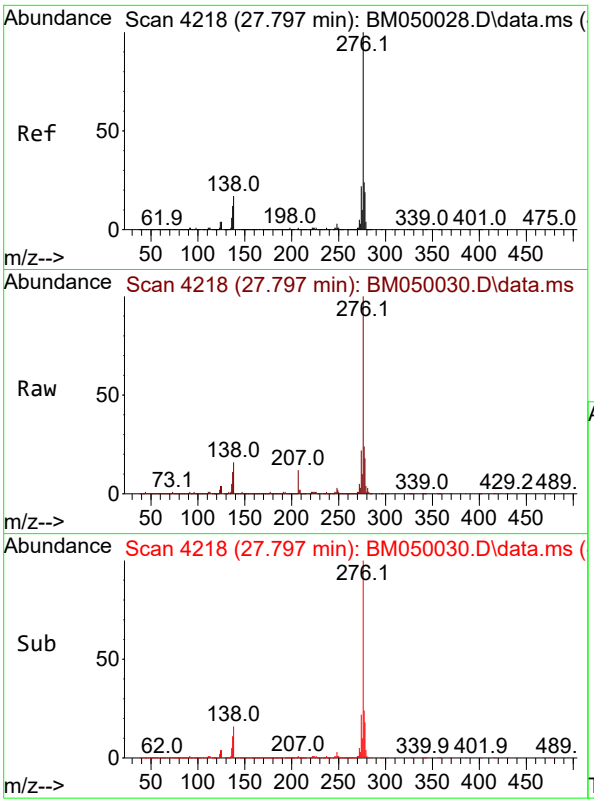


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.006 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:264 Resp: 1099459

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.8	28.2
265	21.8	17.0	25.4



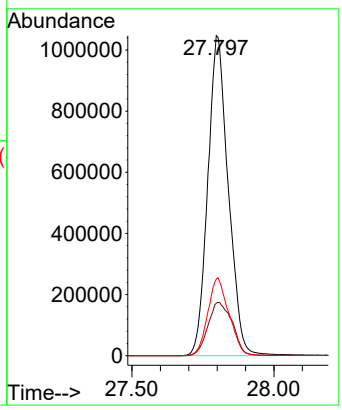


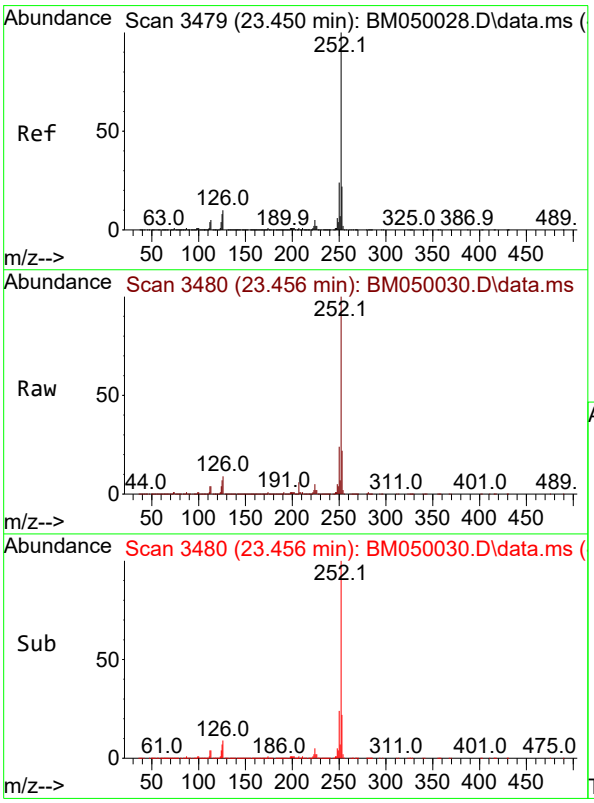
#87
Indeno(1,2,3-cd)pyrene
Concen: 64.068 ng
RT: 27.797 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 5248662

Ion	Ratio	Lower	Upper
276	100		
138	19.9	16.4	24.6
277	25.1	19.8	29.8

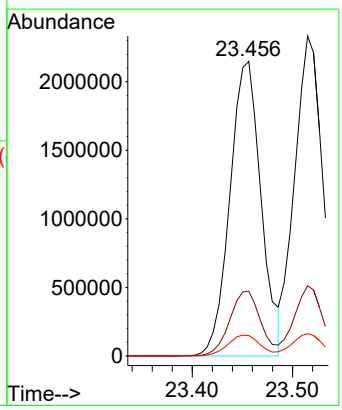


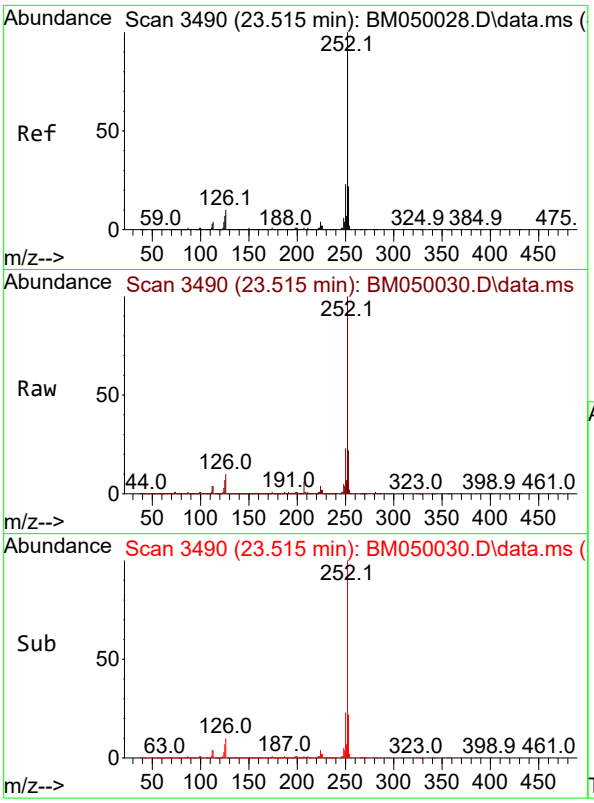


#88
Benzo(b)fluoranthene
Concen: 64.936 ng
RT: 23.456 min Scan# 3480
Delta R.T. 0.006 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:252 Resp: 4643026

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	6.9	6.1	9.1



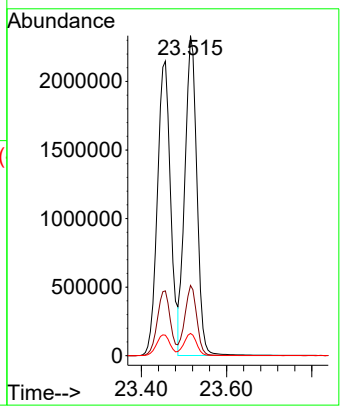


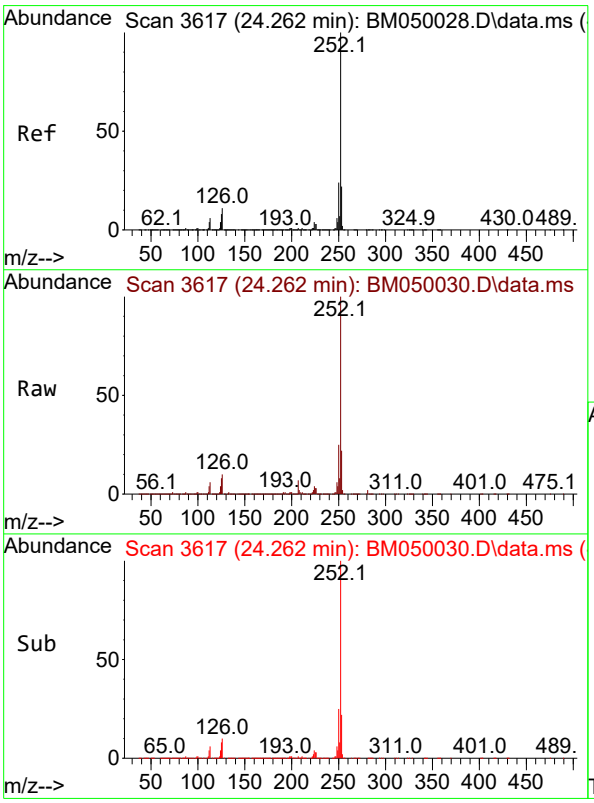
#89
Benzo(k)fluoranthene
Concen: 63.050 ng
RT: 23.515 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 4561134

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	7.0	5.8	8.8

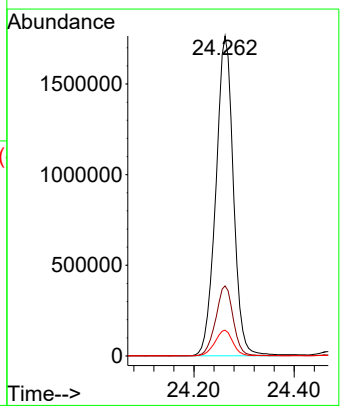


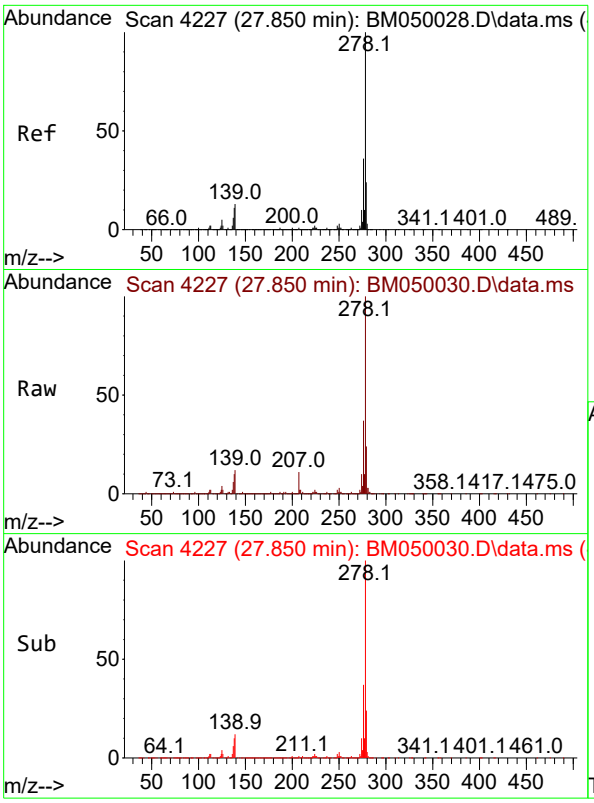


#90
Benzo(a)pyrene
Concen: 63.936 ng
RT: 24.262 min Scan# 3617
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:252 Resp: 4281665

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	8.0	6.6	9.8



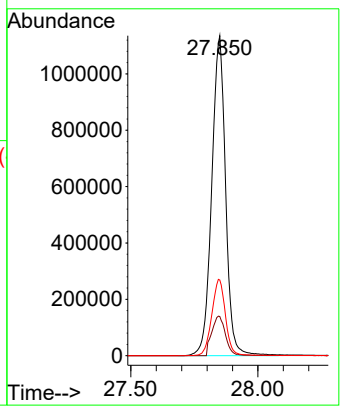


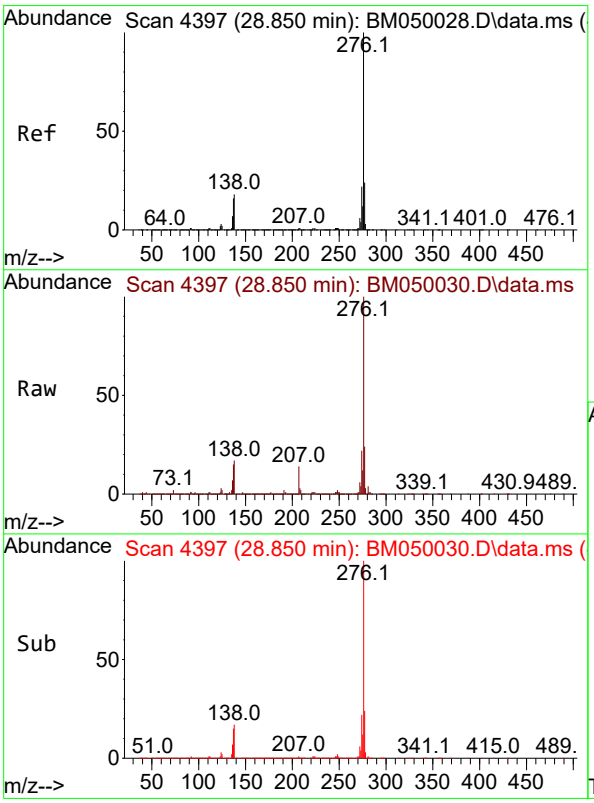
#91
Dibenzo(a,h)anthracene
Concen: 64.478 ng
RT: 27.850 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 4305928

Ion	Ratio	Lower	Upper
278	100		
139	12.3	10.5	15.7
279	23.6	19.4	29.0

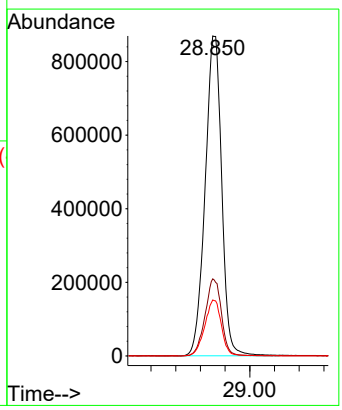




#92
Benzo(g,h,i)perylene
Concen: 63.142 ng
RT: 28.850 min Scan# 4397
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:276 Resp: 4036958

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.1	28.7
138	17.5	14.3	21.5



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050031.D
Acq On : 28 Apr 2025 17:04
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Quant Time: Apr 28 17:59:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.769	152	251380	20.000	ng		0.00
21) Naphthalene-d8	10.563	136	931435	20.000	ng		0.00
39) Acenaphthene-d10	14.410	164	613490	20.000	ng		0.00
64) Phenanthrene-d10	17.156	188	1212251	20.000	ng		0.00
76) Chrysene-d12	21.397	240	1197780	20.000	ng		0.00
86) Perylene-d12	24.397	264	1141905	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.357	112	2297313	160.027	ng		0.00
7) Phenol-d6	6.957	99	2954036	163.719	ng		0.00
23) Nitrobenzene-d5	8.933	82	2984192	157.875	ng		0.00
42) 2,4,6-Tribromophenol	15.909	330	1586083	174.847	ng		0.00
45) 2-Fluorobiphenyl	13.033	172	8283812	159.736	ng		0.00
79) Terphenyl-d14	19.780	244	11877110	146.730	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.251	88	475912	77.317	ng		99
3) Pyridine	3.657	79	1267903	80.171	ng		99
4) n-Nitrosodimethylamine	3.563	42	492501	79.400	ng		99
6) Aniline	7.098	93	1845033	80.979	ng		99
8) 2-Chlorophenol	7.339	128	1241711	79.998	ng		100
9) Benzaldehyde	6.910	77	898993	74.544	ng		99
10) Phenol	6.981	94	1491194	81.638	ng		98
11) bis(2-Chloroethyl)ether	7.192	93	1224517	80.283	ng		99
12) 1,3-Dichlorobenzene	7.657	146	1460820	77.912	ng		100
13) 1,4-Dichlorobenzene	7.804	146	1465881	77.822	ng		99
14) 1,2-Dichlorobenzene	8.122	146	1412270	77.618	ng		99
15) Benzyl Alcohol	8.016	79	1055328	84.339	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.292	45	1440484	77.694	ng		100
17) 2-Methylphenol	8.228	107	980375	81.473	ng		99
18) Hexachloroethane	8.845	117	513126	76.632	ng		98
19) n-Nitroso-di-n-propyla...	8.581	70	933468	80.665	ng		99
20) 3+4-Methylphenols	8.557	107	1348190	82.965	ng		99
22) Acetophenone	8.592	105	1815657	78.406	ng	#	99
24) Nitrobenzene	8.975	77	1289068	78.871	ng		99
25) Isophorone	9.504	82	2559279	79.430	ng		100
26) 2-Nitrophenol	9.680	139	710174	85.053	ng		99
27) 2,4-Dimethylphenol	9.751	122	1136040	82.043	ng		99
28) bis(2-Chloroethoxy)met...	9.975	93	1581985	79.437	ng		99
29) 2,4-Dichlorophenol	10.222	162	1275806	82.243	ng		99
30) 1,2,4-Trichlorobenzene	10.427	180	1485344	78.590	ng		99
31) Naphthalene	10.610	128	3686066	78.143	ng		100
32) Benzoic acid	9.951	122	800660	90.660	ng		97
33) 4-Chloroaniline	10.727	127	1575909	81.508	ng		99
34) Hexachlorobutadiene	10.898	225	959905	80.012	ng		99
35) Caprolactam	11.539	113	371164	82.060	ng		98
36) 4-Chloro-3-methylphenol	11.869	107	1152624	80.424	ng		99
37) 2-Methylnaphthalene	12.227	142	2525532	79.858	ng		99
38) 1-Methylnaphthalene	12.451	142	2645483	79.045	ng		99
40) 1,2,4,5-Tetrachloroben...	12.604	216	1799698	84.742	ng		99
41) Hexachlorocyclopentadiene	12.580	237	1185418	91.336	ng		99
43) 2,4,6-Trichlorophenol	12.851	196	1151641	85.496	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050031.D
Acq On : 28 Apr 2025 17:04
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Quant Time: Apr 28 17:59:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	1220306	84.011	ng		98
46) 1,1'-Biphenyl	13.245	154	3613893	79.246	ng		99
47) 2-Chloronaphthalene	13.286	162	2842514	78.700	ng		99
48) 2-Nitroaniline	13.498	65	701256	82.725	ng		99
49) Acenaphthylene	14.133	152	4526874	79.492	ng		99
50) Dimethylphthalate	13.874	163	3507333	78.228	ng		99
51) 2,6-Dinitrotoluene	13.992	165	758296	81.689	ng		99
52) Acenaphthene	14.480	154	2618967	79.452	ng		100
53) 3-Nitroaniline	14.327	138	740202	83.521	ng		100
54) 2,4-Dinitrophenol	14.545	184	469472	79.096	ng		98
55) Dibenzofuran	14.815	168	4325783	78.875	ng		99
56) 4-Nitrophenol	14.662	139	566943	78.710	ng		99
57) 2,4-Dinitrotoluene	14.786	165	1080118	84.207	ng		96
58) Fluorene	15.462	166	3565506	79.426	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.045	232	1057707	84.123	ng		96
60) Diethylphthalate	15.239	149	3257954	77.118	ng		97
61) 4-Chlorophenyl-phenyle...	15.457	204	2051105	83.186	ng		96
62) 4-Nitroaniline	15.498	138	724549	84.678	ng		99
63) Azobenzene	15.751	77	2723186	76.914	ng		95
65) 4,6-Dinitro-2-methylph...	15.557	198	665798	87.741	ng		96
66) n-Nitrosodiphenylamine	15.674	169	2957293	79.443	ng		99
67) 4-Bromophenyl-phenylether	16.351	248	1225531	83.600	ng		94
68) Hexachlorobenzene	16.468	284	1412768	83.606	ng		95
69) Atrazine	16.627	200	1116818	83.174	ng		100
70) Pentachlorophenol	16.821	266	843195	88.648	ng		99
71) Phenanthrene	17.203	178	5487968	80.266	ng		99
72) Anthracene	17.292	178	5597195	80.893	ng		99
73) Carbazole	17.568	167	4845637	80.705	ng		99
74) Di-n-butylphthalate	18.121	149	5649166	79.007	ng		99
75) Fluoranthene	19.221	202	6841999	85.234	ng		99
77) Benzidine	19.403	184	3598340	84.575	ng		100
78) Pyrene	19.580	202	6959279	82.738	ng		99
80) Butylbenzylphthalate	20.474	149	2512705	79.760	ng		97
81) Benzo(a)anthracene	21.380	228	6747718	81.808	ng		99
82) 3,3'-Dichlorobenzidine	21.303	252	2782107	88.111	ng		99
83) Chrysene	21.444	228	6207632	81.316	ng		98
84) Bis(2-ethylhexyl)phtha...	21.297	149	3665836	77.905	ng	#	96
85) Di-n-octyl phthalate	22.427	149	6109632	78.732	ng		99
87) Indeno(1,2,3-cd)pyrene	27.803	276	7285836	85.629	ng		98
88) Benzo(b)fluoranthene	23.456	252	6347901	85.480	ng		99
89) Benzo(k)fluoranthene	23.521	252	6265924	83.396	ng		99
90) Benzo(a)pyrene	24.262	252	5925652	85.195	ng		99
91) Dibenzo(a,h)anthracene	27.850	278	5981478	86.239	ng		99
92) Benzo(g,h,i)perylene	28.862	276	5537637	83.395	ng		99

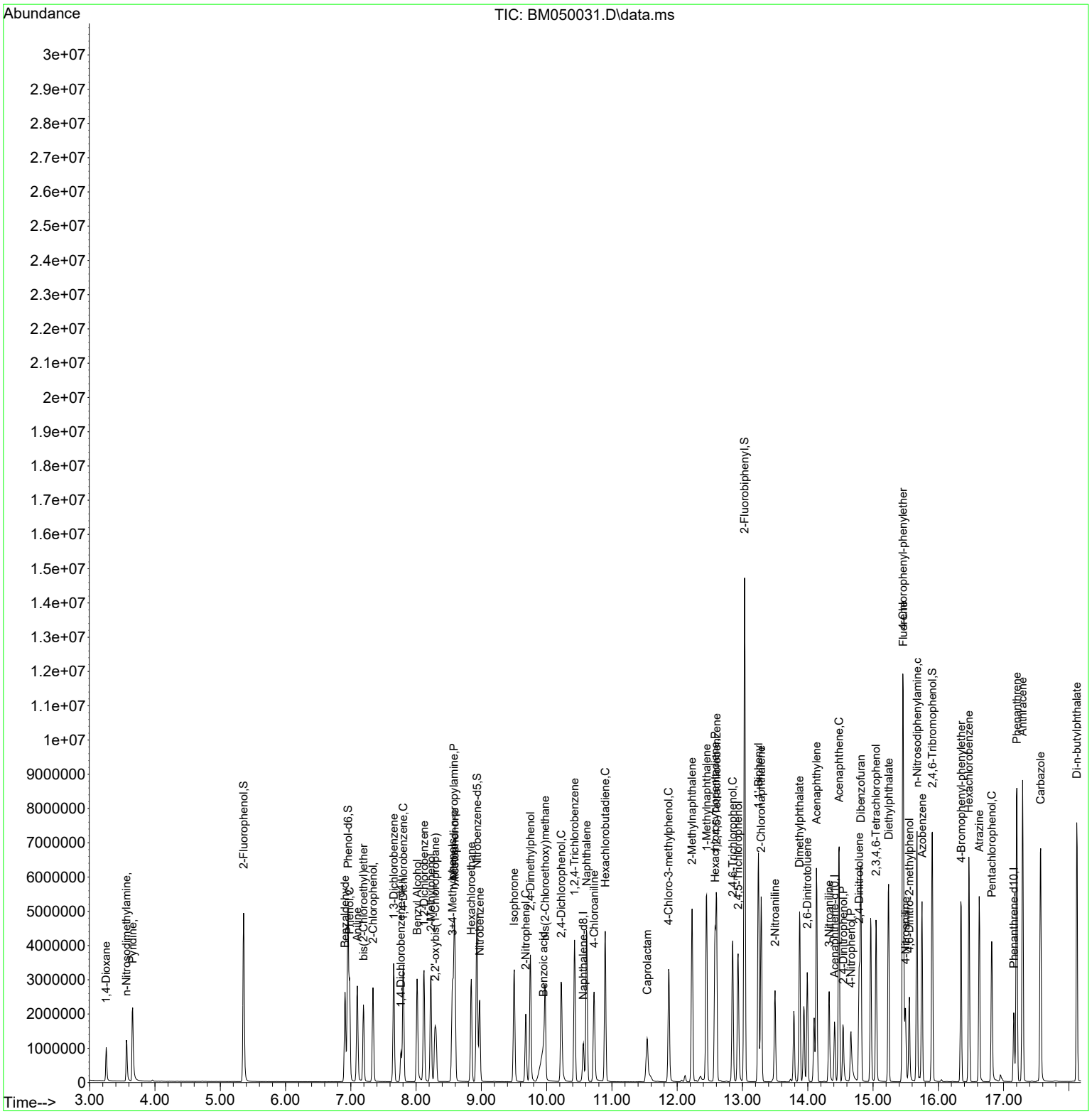
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050031.D
Acq On : 28 Apr 2025 17:04
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Quant Time: Apr 28 17:59:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050031.D
Acq On : 28 Apr 2025 17:04
Operator : RC/JU
Sample : SSTDICC080
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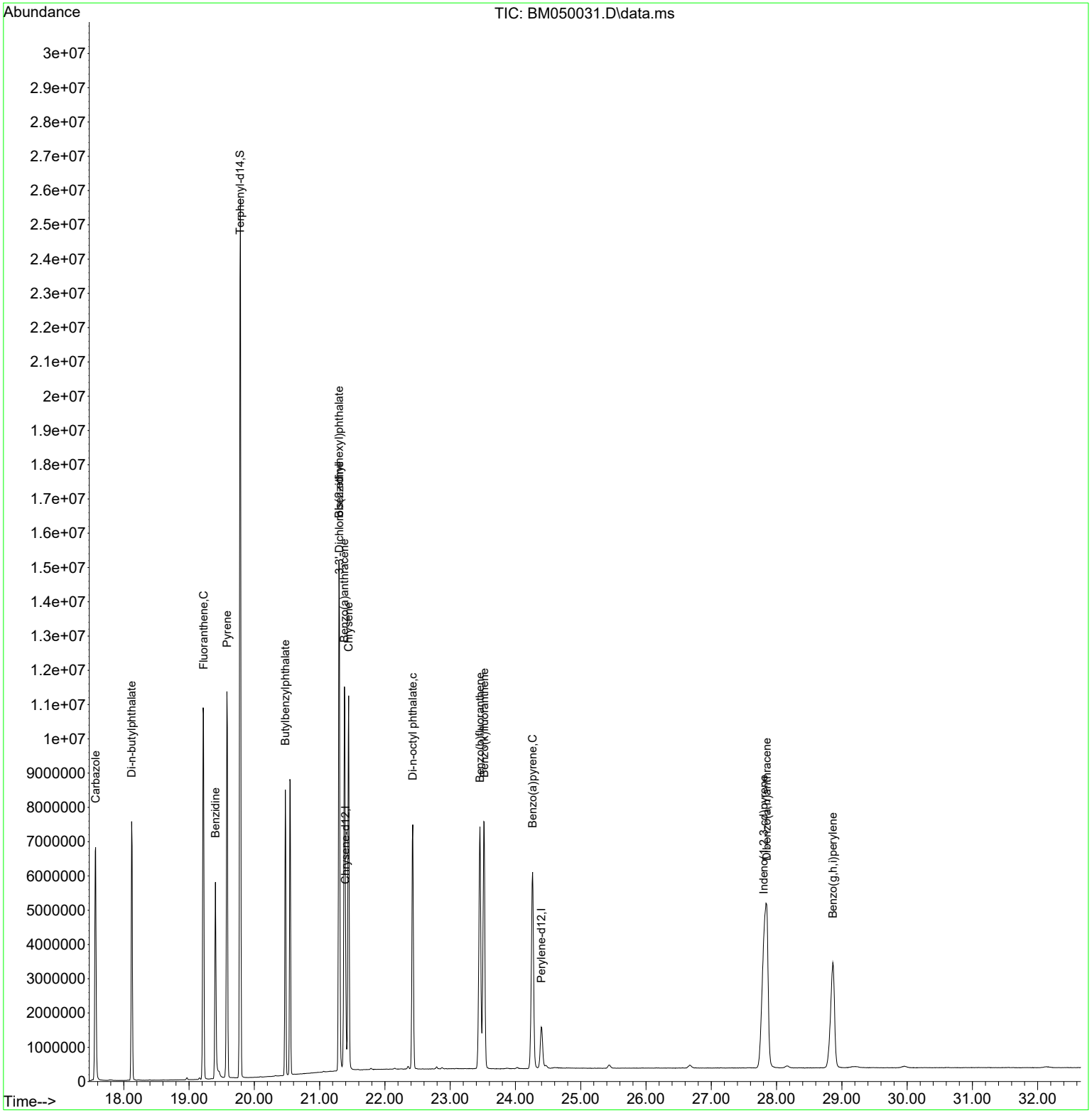
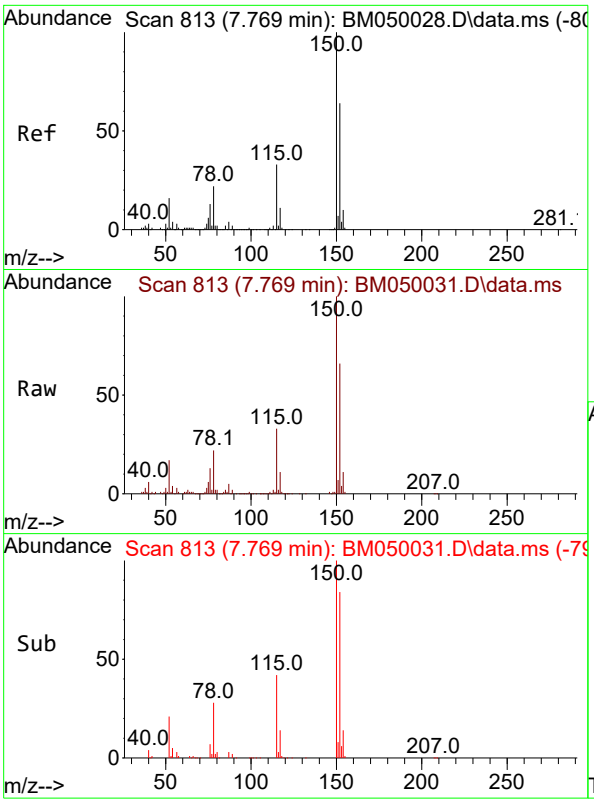
Quant Time: Apr 28 17:59:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



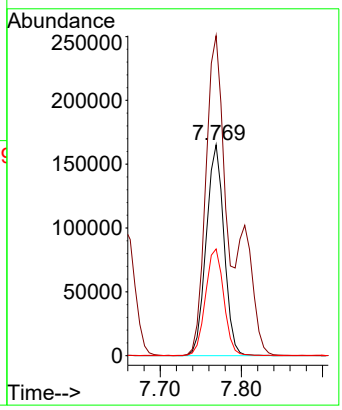


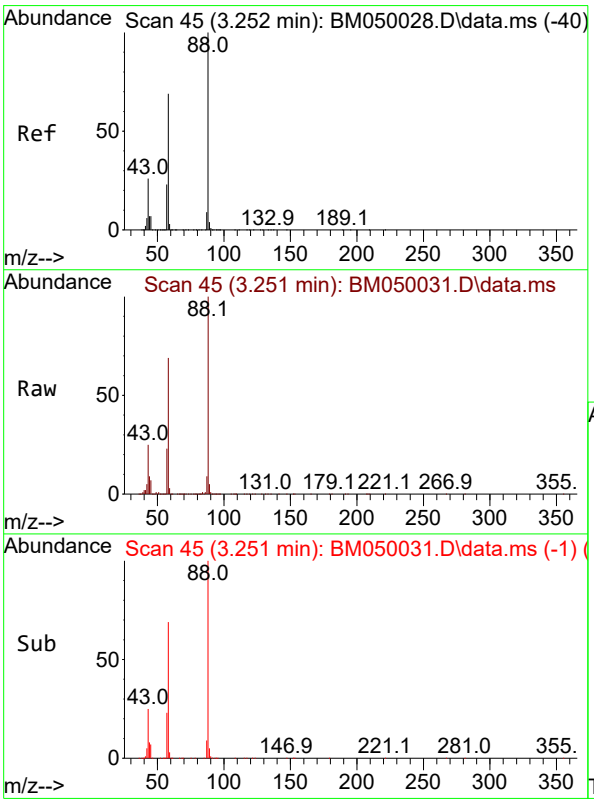
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 251380

Ion	Ratio	Lower	Upper
152	100		
150	151.7	124.1	186.1
115	50.6	41.2	61.8

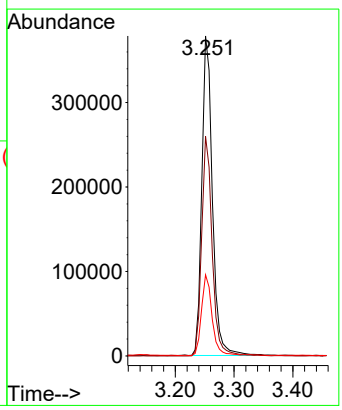


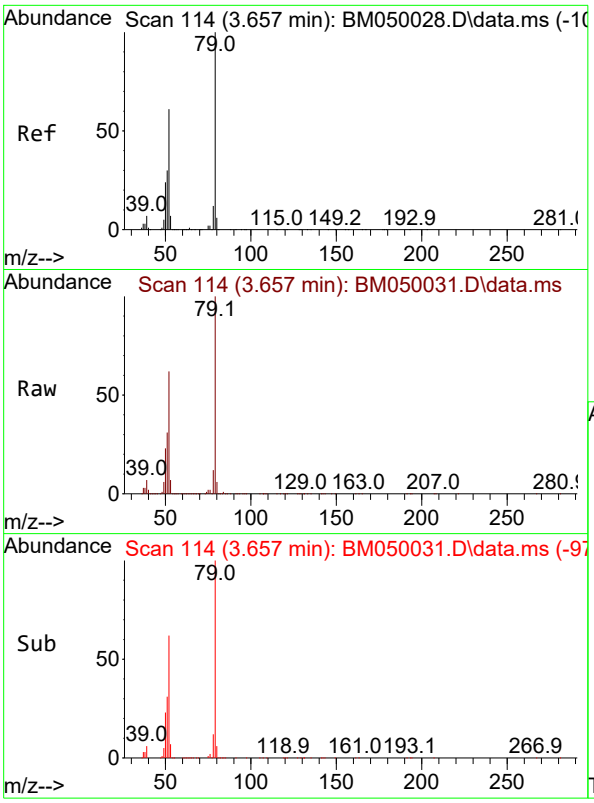


#2
1,4-Dioxane
Concen: 77.317 ng
RT: 3.251 min Scan# 45
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion: 88 Resp: 475912

Ion	Ratio	Lower	Upper
88	100		
58	68.0	55.1	82.7
43	25.3	20.9	31.3



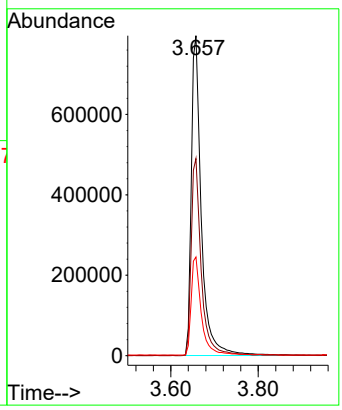


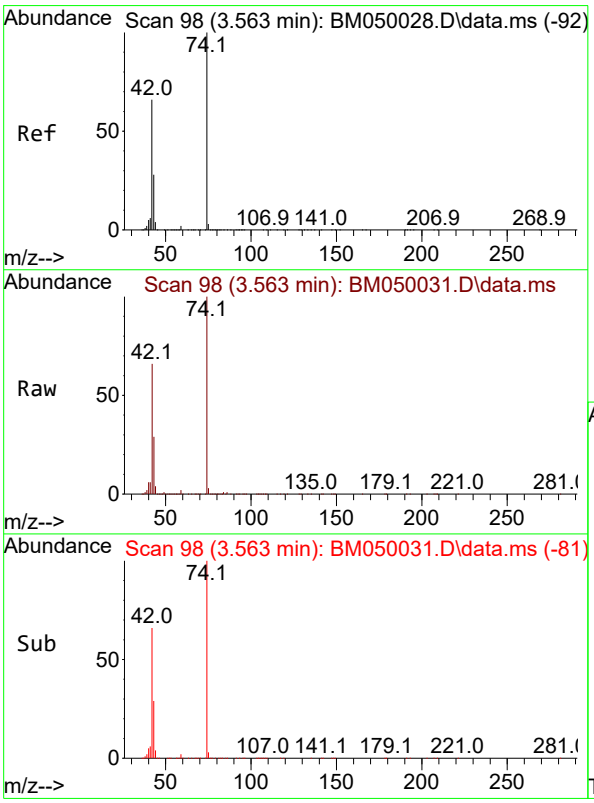
#3
Pyridine
Concen: 80.171 ng
RT: 3.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1267903

Ion	Ratio	Lower	Upper
79	100		
52	61.6	48.6	72.8
51	30.8	24.6	37.0

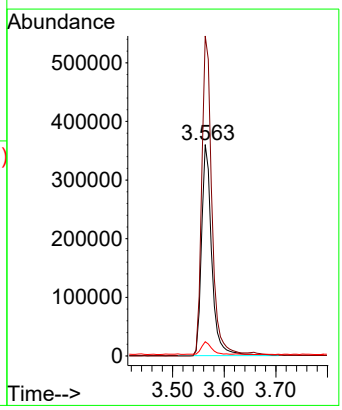


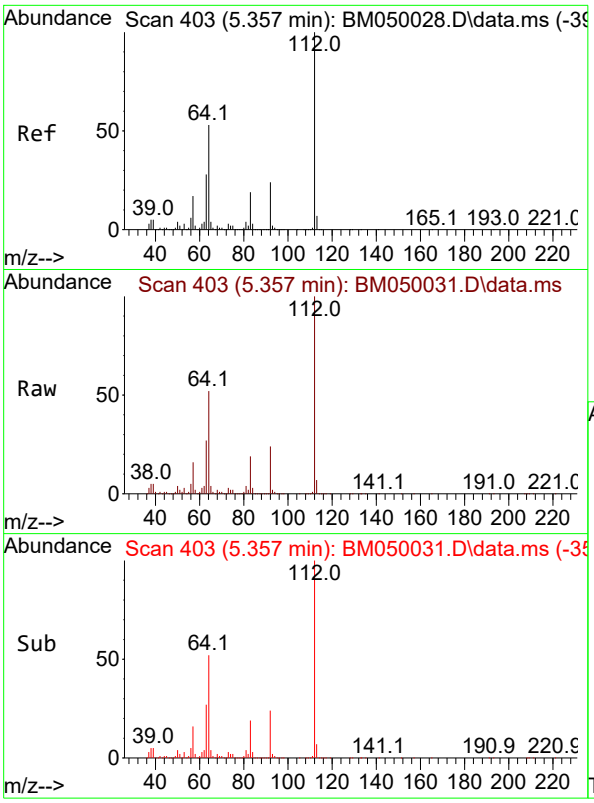


#4
n-Nitrosodimethylamine
Concen: 79.400 ng
RT: 3.563 min Scan# 98
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion: 42 Resp: 492501

Ion	Ratio	Lower	Upper
42	100		
74	151.4	120.2	180.2
44	6.8	6.2	9.2



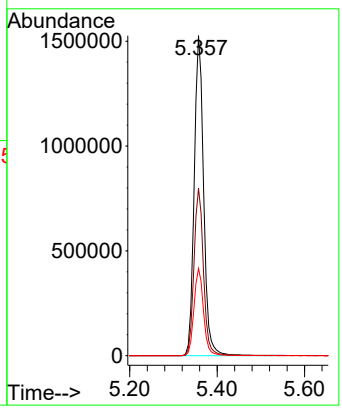


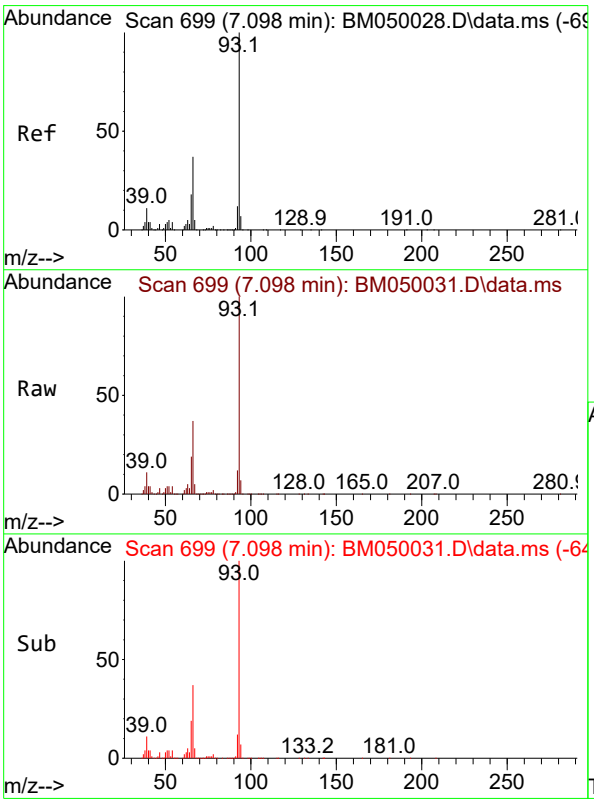
#5
2-Fluorophenol
Concen: 160.027 ng
RT: 5.357 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 2297313

Ion	Ratio	Lower	Upper
112	100		
64	52.3	42.6	64.0
63	27.2	22.2	33.4

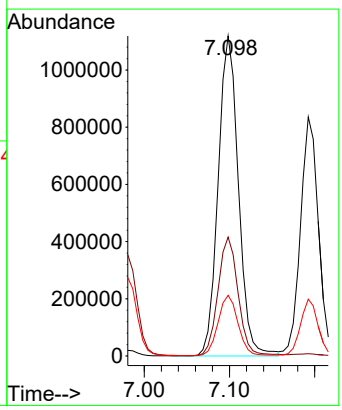


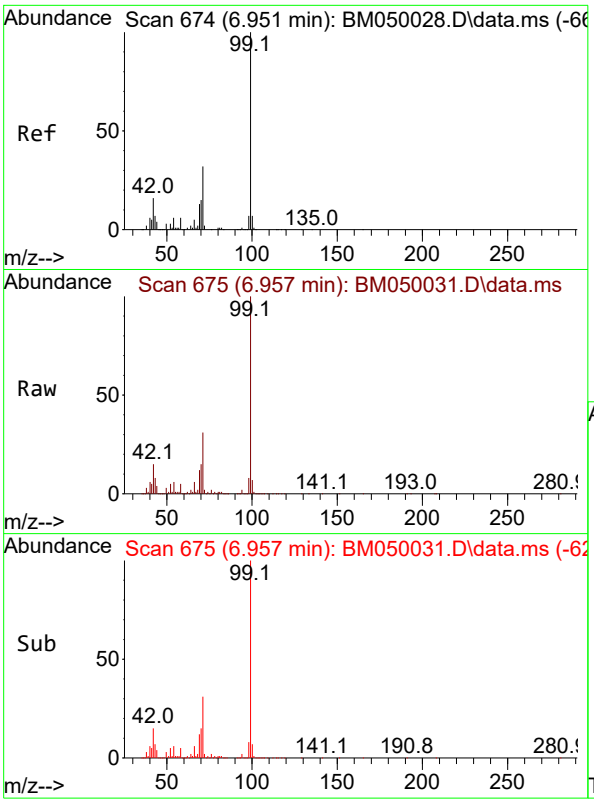


#6
Aniline
Concen: 80.979 ng
RT: 7.098 min Scan# 699
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion: 93 Resp: 1845033

Ion	Ratio	Lower	Upper
93	100		
66	37.2	29.9	44.9
65	19.0	14.5	21.7



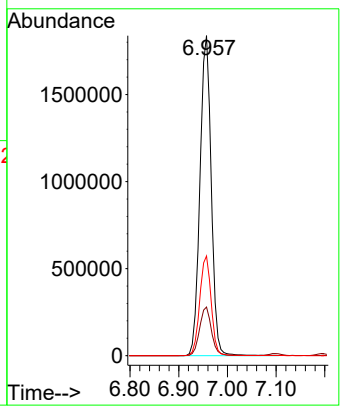


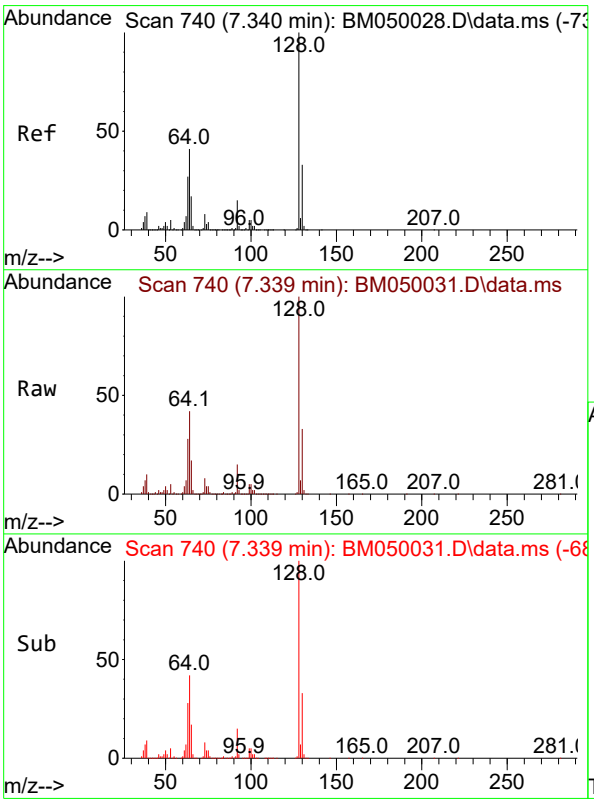
#7
Phenol-d6
Concen: 163.719 ng
RT: 6.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 2954036

Ion	Ratio	Lower	Upper
99	100		
42	15.2	13.0	19.4
71	31.1	25.6	38.4

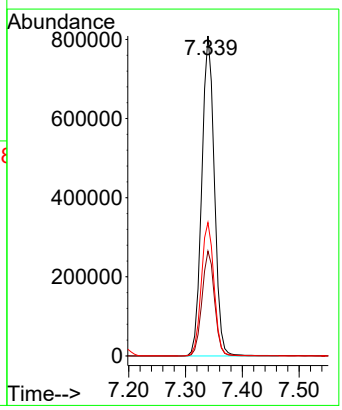


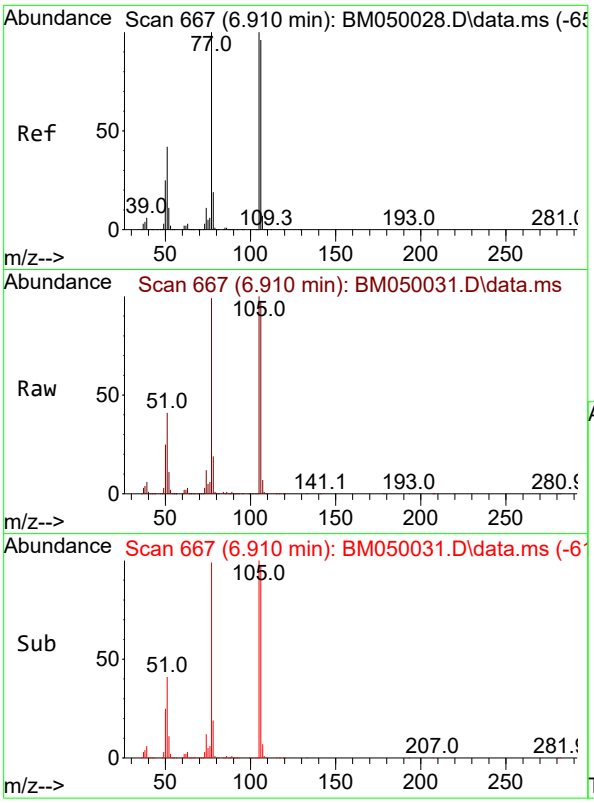


#8
2-Chlorophenol
Concen: 79.998 ng
RT: 7.339 min Scan# 740
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:128 Resp: 1241711

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.8	52.8
64	41.7	21.2	61.2



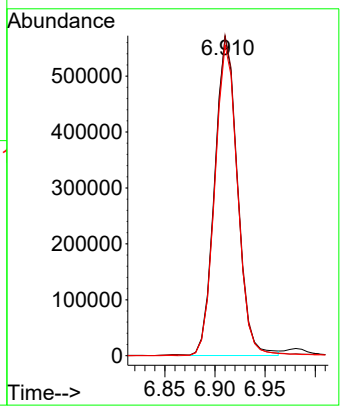


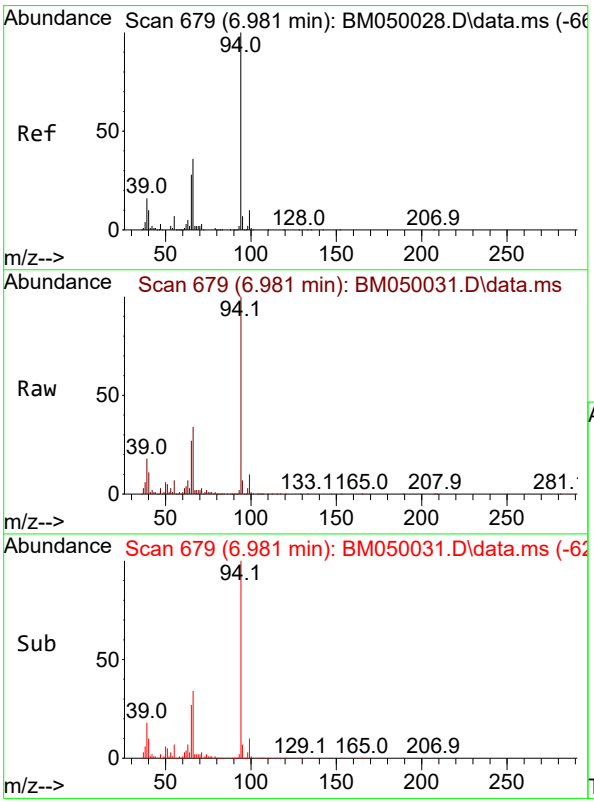
#9
Benzaldehyde
Concen: 74.544 ng
RT: 6.910 min Scan# 6(
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 898993

Ion	Ratio	Lower	Upper
77	100		
105	100.5	80.5	120.5
106	97.5	76.1	116.1

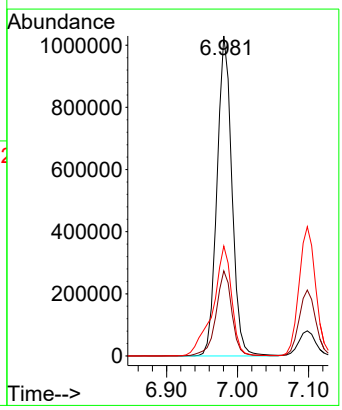


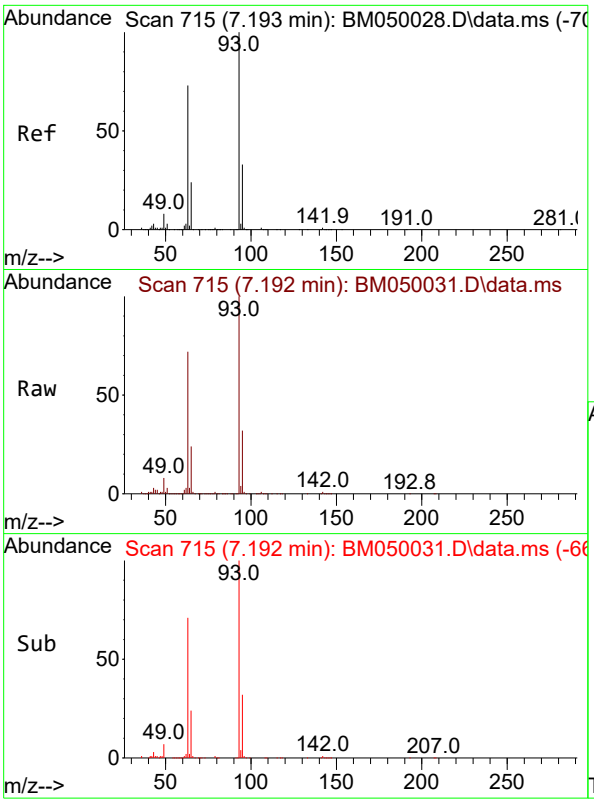


#10
Phenol
Concen: 81.638 ng
RT: 6.981 min Scan# 679
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion: 94 Resp: 1491194

Ion	Ratio	Lower	Upper
94	100		
65	26.6	7.6	47.6
66	34.4	15.8	55.8



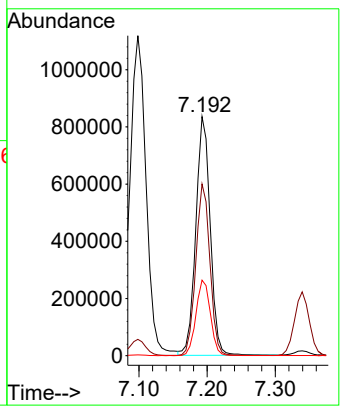


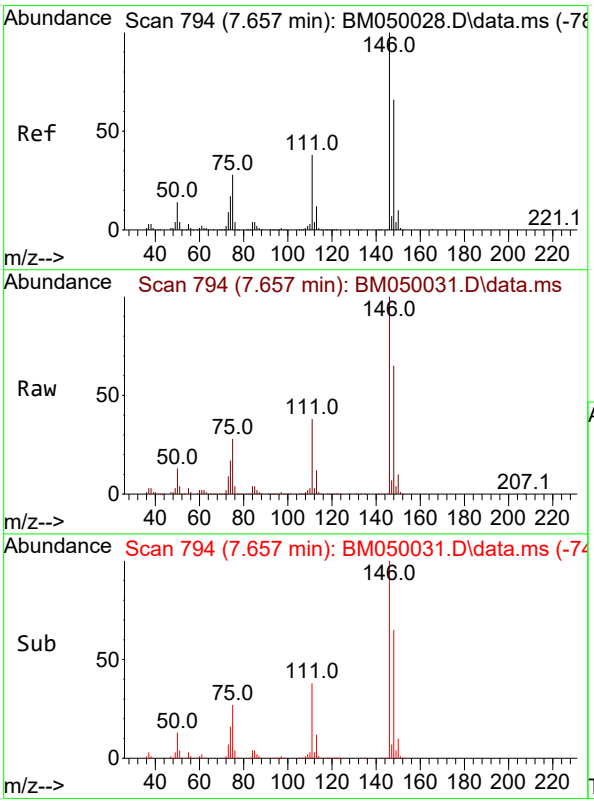
#11
bis(2-Chloroethyl)ether
Concen: 80.283 ng
RT: 7.192 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 1224517

Ion	Ratio	Lower	Upper
93	100		
63	71.8	52.3	92.3
95	31.6	12.8	52.8

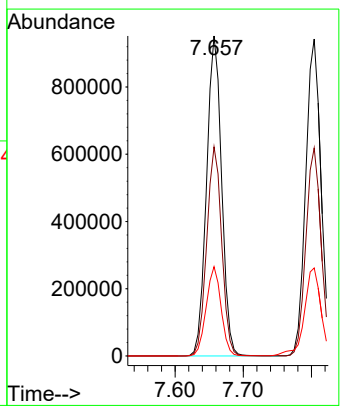


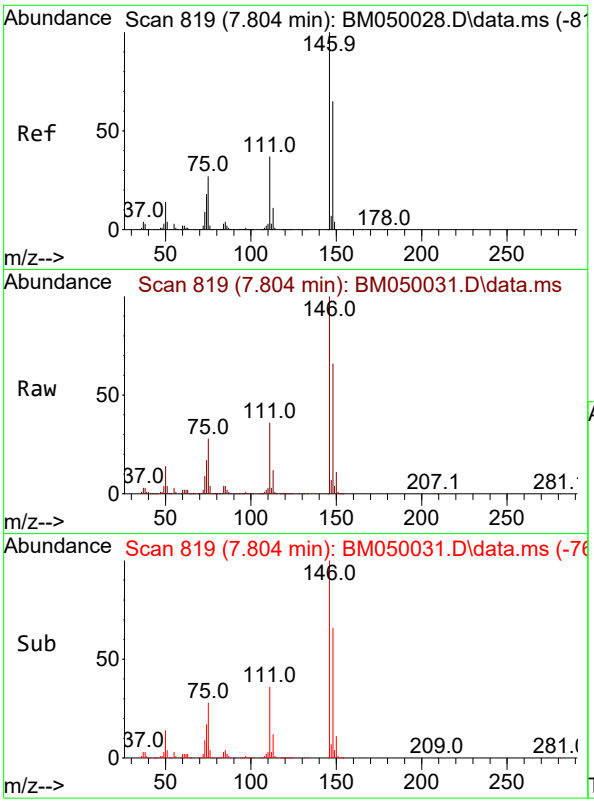


#12
1,3-Dichlorobenzene
Concen: 77.912 ng
RT: 7.657 min Scan# 794
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:146 Resp: 1460820

Ion	Ratio	Lower	Upper
146	100		
148	65.3	52.5	78.7
75	27.9	22.6	34.0



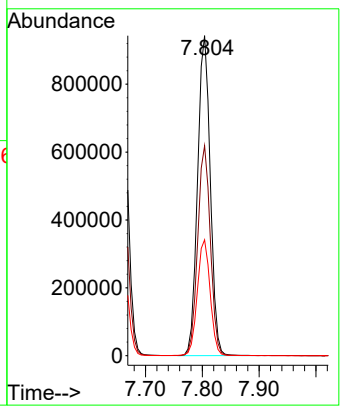


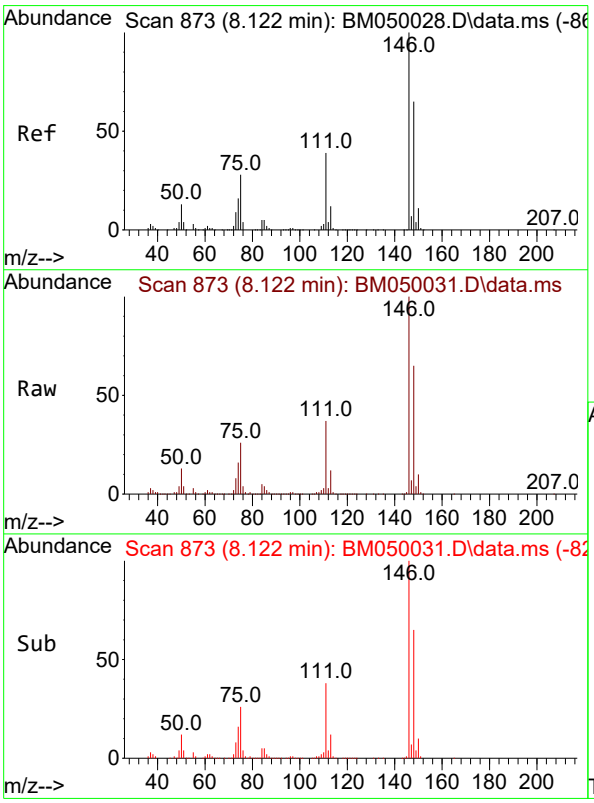
#13
1,4-Dichlorobenzene
Concen: 77.822 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 1465881

Ion	Ratio	Lower	Upper
146	100		
148	65.6	52.2	78.2
111	36.2	29.3	43.9

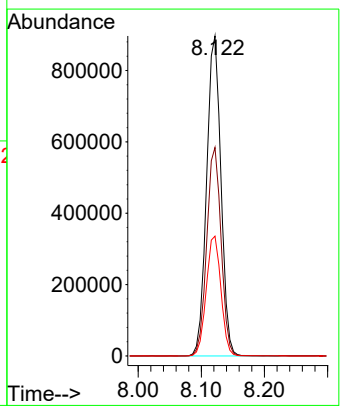


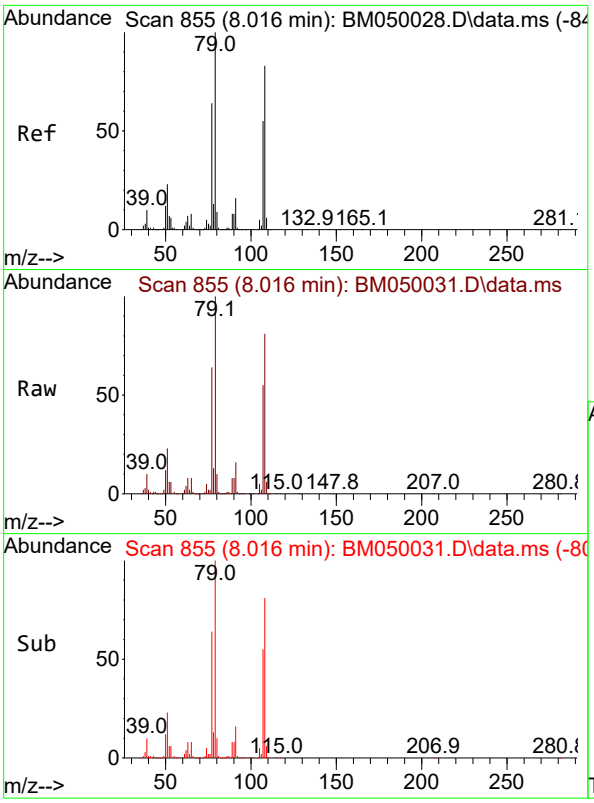


#14
1,2-Dichlorobenzene
Concen: 77.618 ng
RT: 8.122 min Scan# 873
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:146 Resp: 1412270

Ion	Ratio	Lower	Upper
146	100		
148	65.2	52.4	78.6
111	37.5	31.0	46.6



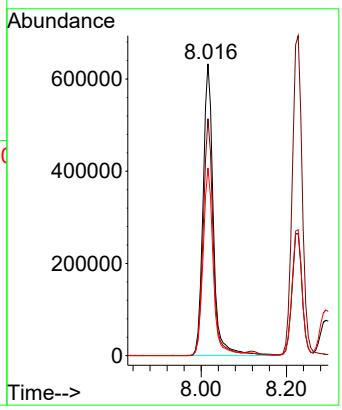


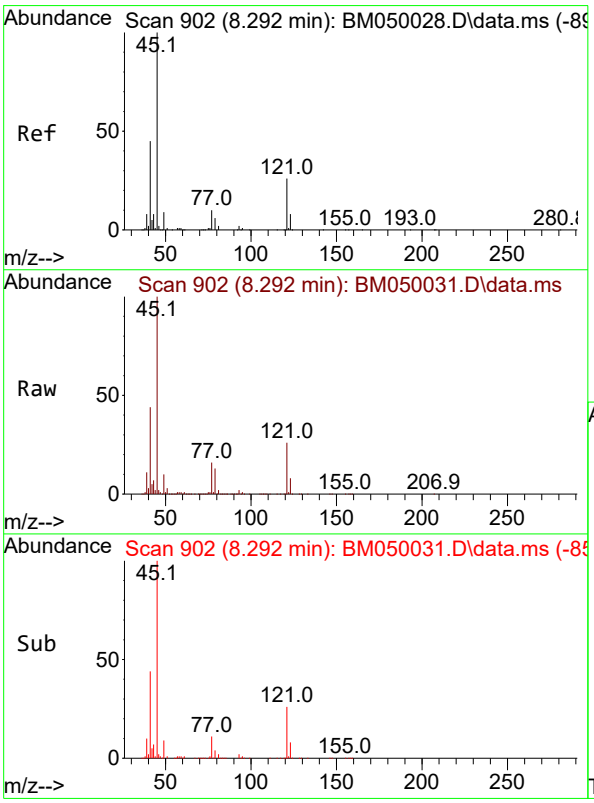
#15
Benzyl Alcohol
Concen: 84.339 ng
RT: 8.016 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1055328

Ion	Ratio	Lower	Upper
79	100		
108	81.2	66.0	99.0
77	64.3	51.6	77.4

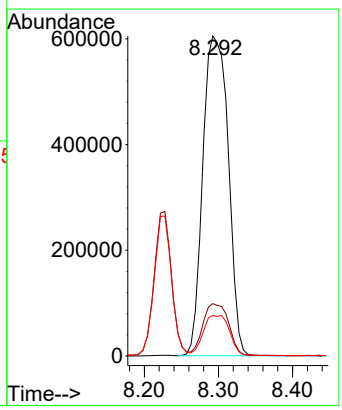


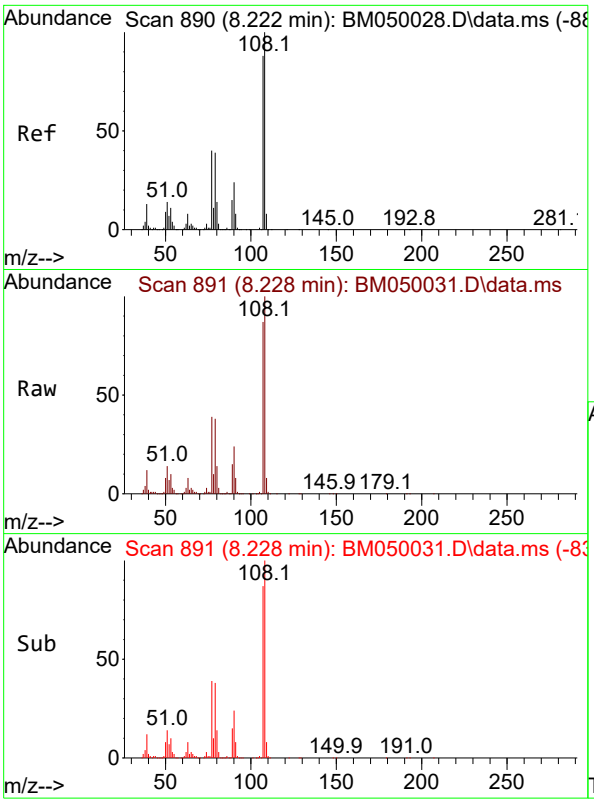


#16
2,2'-oxybis(1-Chloropropane)
Concen: 77.694 ng
RT: 8.292 min Scan# 902
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion: 45 Resp: 1440484

Ion	Ratio	Lower	Upper
45	100		
77	16.4	0.0	36.4
79	12.7	0.0	32.7



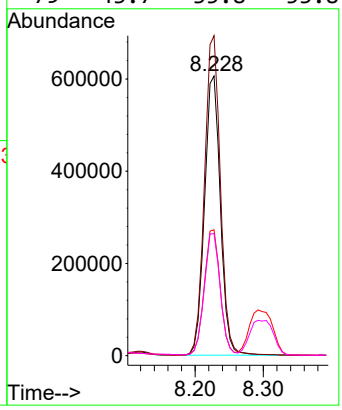


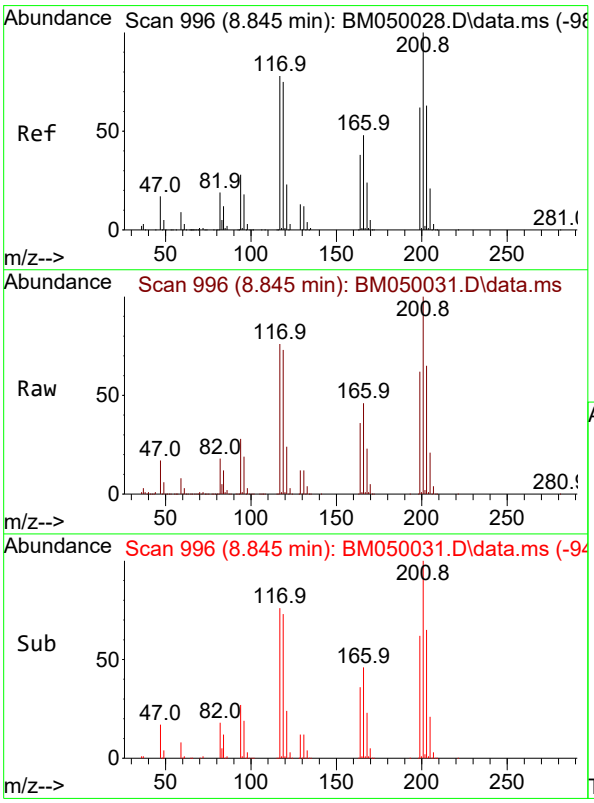
#17
2-Methylphenol
Concen: 81.473 ng
RT: 8.228 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 980375

Ion	Ratio	Lower	Upper
107	100		
108	114.4	91.1	136.7
77	45.1	36.2	54.4
79	43.7	35.8	53.8

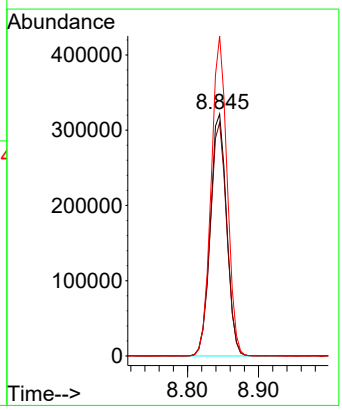


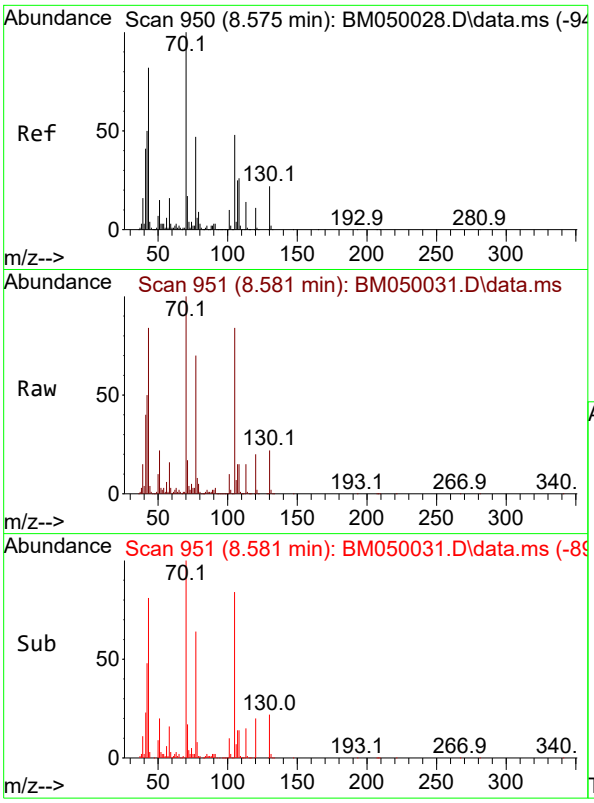


#18
Hexachloroethane
Concen: 76.632 ng
RT: 8.845 min Scan# 996
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:117 Resp: 513126

Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.3	115.9
201	132.3	102.8	154.2



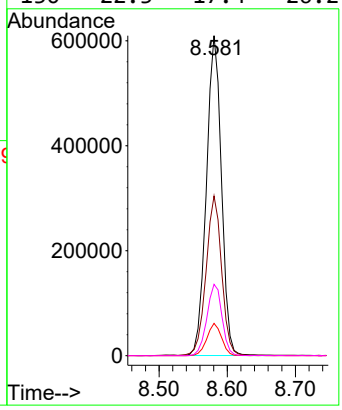


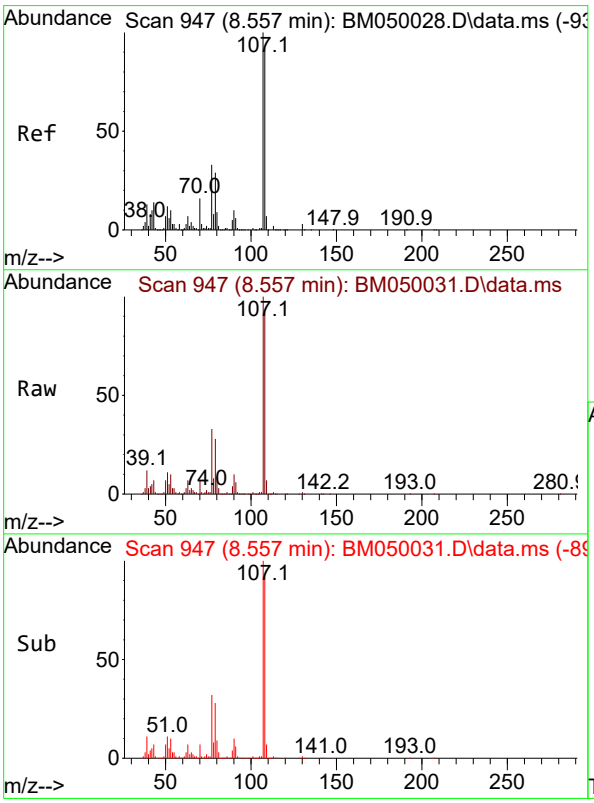
#19
n-Nitroso-di-n-propylamine
Concen: 80.665 ng
RT: 8.581 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 933468

Ion	Ratio	Lower	Upper
70	100		
42	49.9	40.5	60.7
101	10.1	7.8	11.6
130	22.3	17.4	26.2

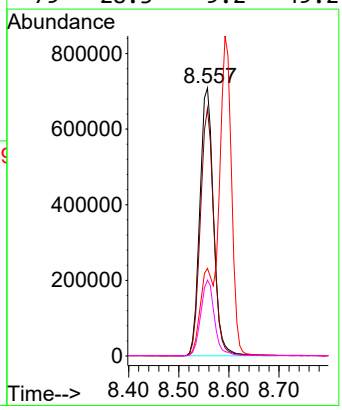


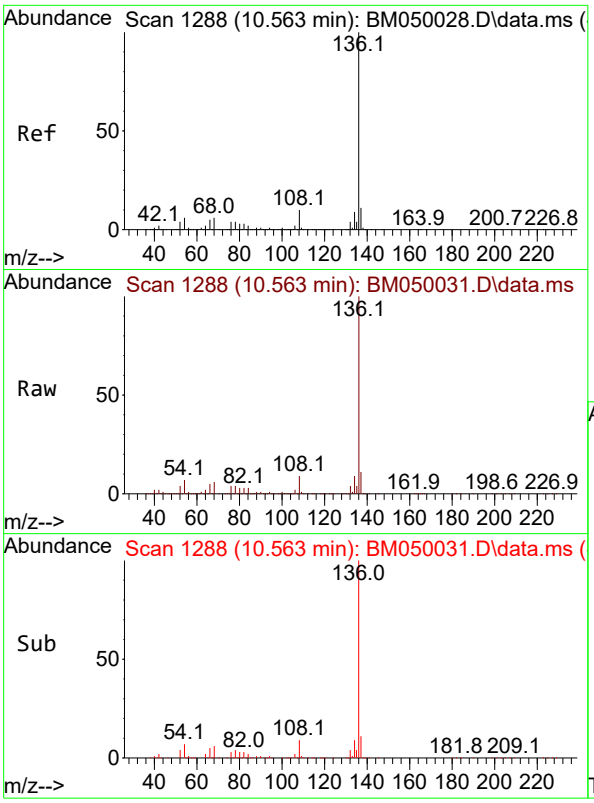


#20
3+4-Methylphenols
Concen: 82.965 ng
RT: 8.557 min Scan# 947
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:107 Resp: 1348190

Ion	Ratio	Lower	Upper
107	100		
108	92.3	72.4	112.4
77	32.6	13.6	53.6
79	28.3	9.2	49.2



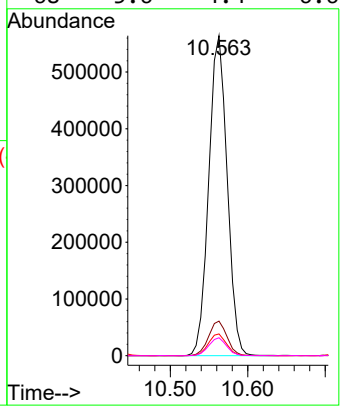


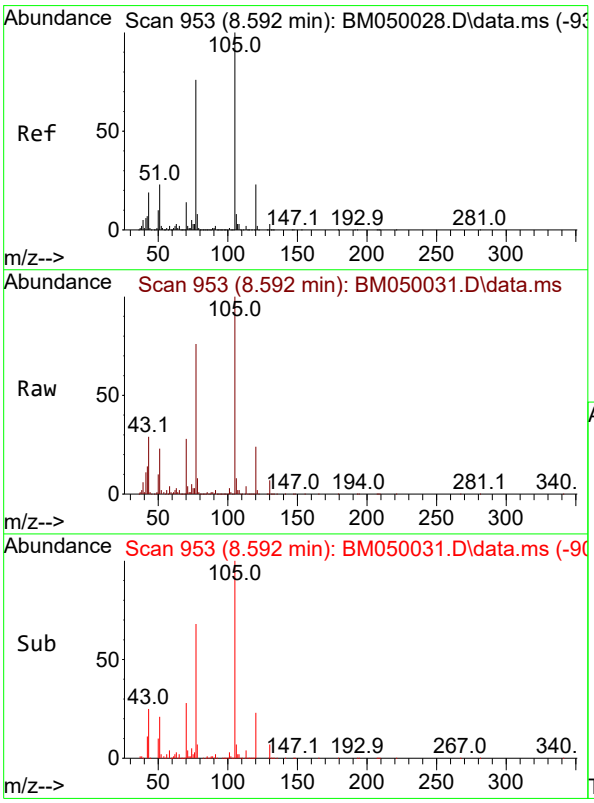
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 931435

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.8	5.1	7.7
68	5.6	4.4	6.6

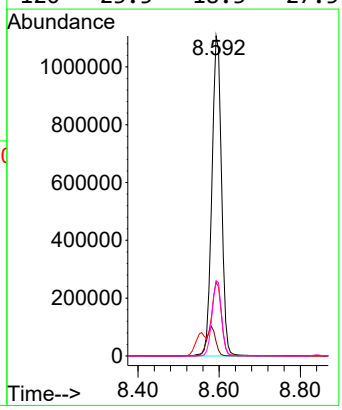


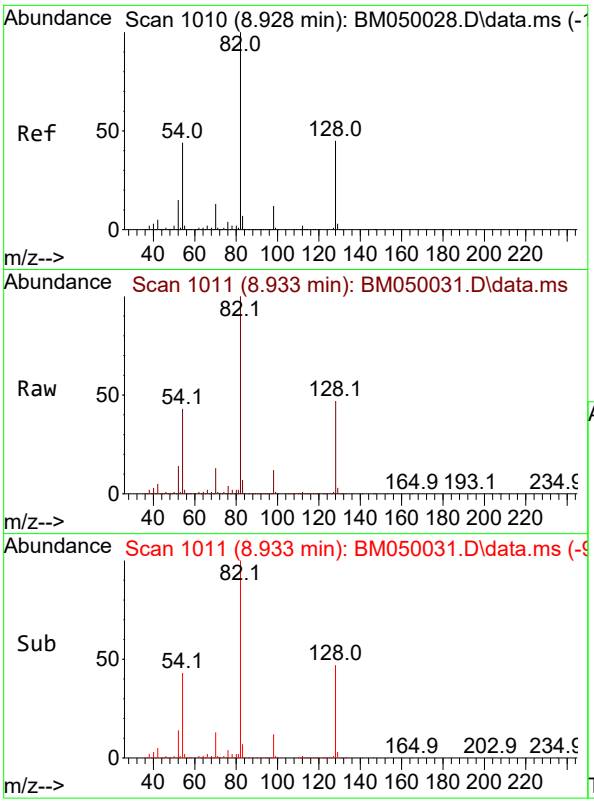


#22
Acetophenone
Concen: 78.406 ng
RT: 8.592 min Scan# 953
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:105 Resp: 1815657

Ion	Ratio	Lower	Upper
105	100		
71	4.4	1.7	2.5#
51	23.0	18.6	27.8
120	23.5	18.3	27.5



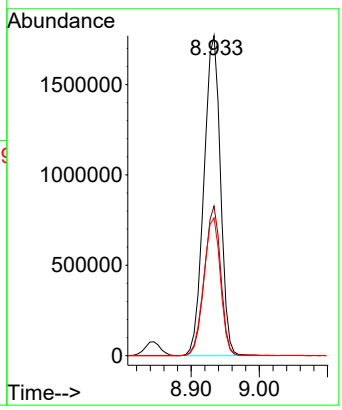


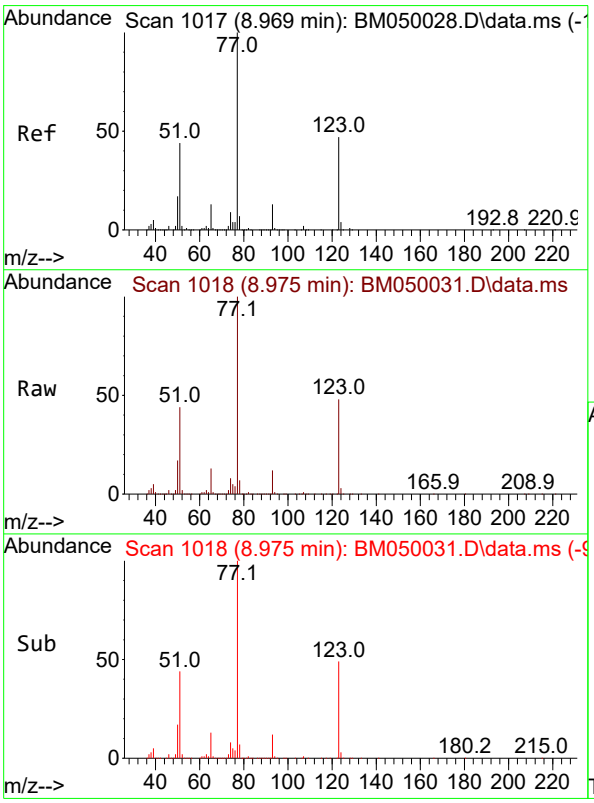
#23
Nitrobenzene-d5
Concen: 157.875 ng
RT: 8.933 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 2984192

Ion	Ratio	Lower	Upper
82	100		
128	46.8	35.7	53.5
54	43.1	35.4	53.2

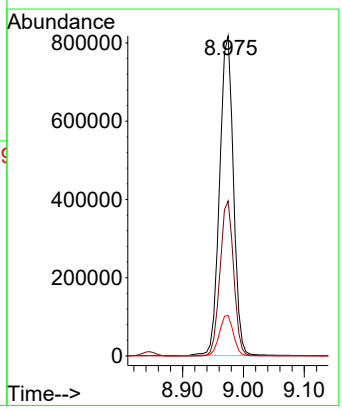


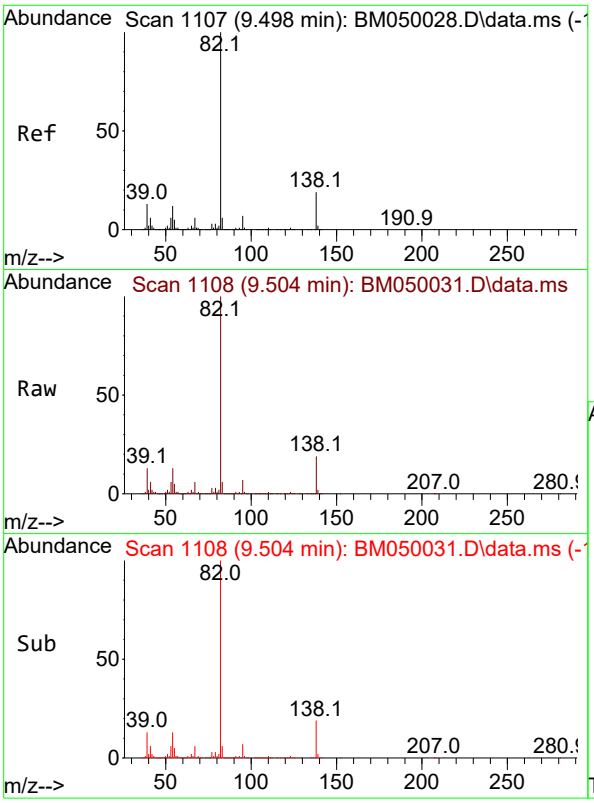


#24
Nitrobenzene
Concen: 78.871 ng
RT: 8.975 min Scan# 1018
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion: 77 Resp: 1289068

Ion	Ratio	Lower	Upper
77	100		
123	48.5	37.9	56.9
65	12.7	10.1	15.1



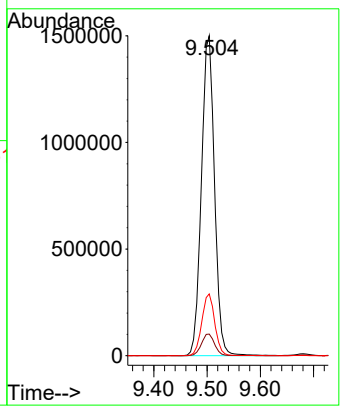


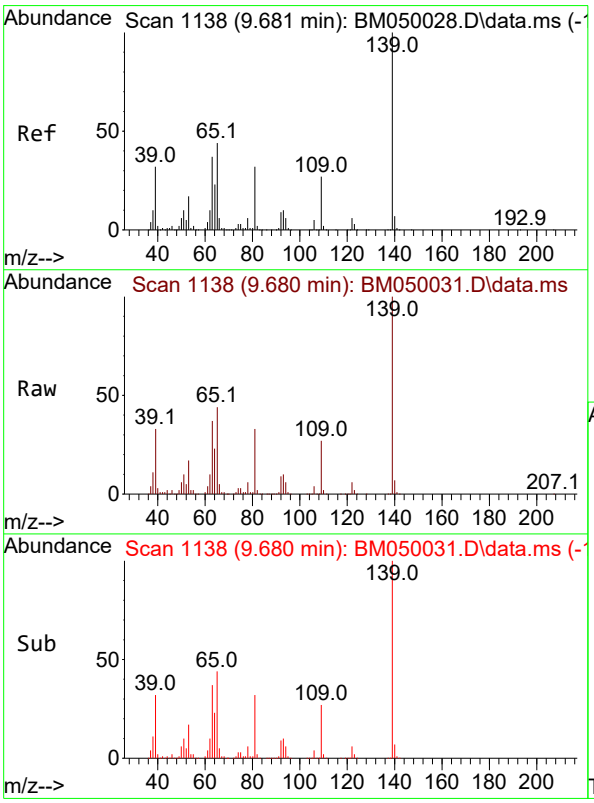
#25
Isophorone
Concen: 79.430 ng
RT: 9.504 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 2559279

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.7	8.5
138	19.3	15.5	23.3

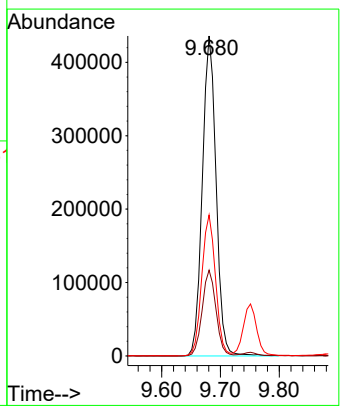


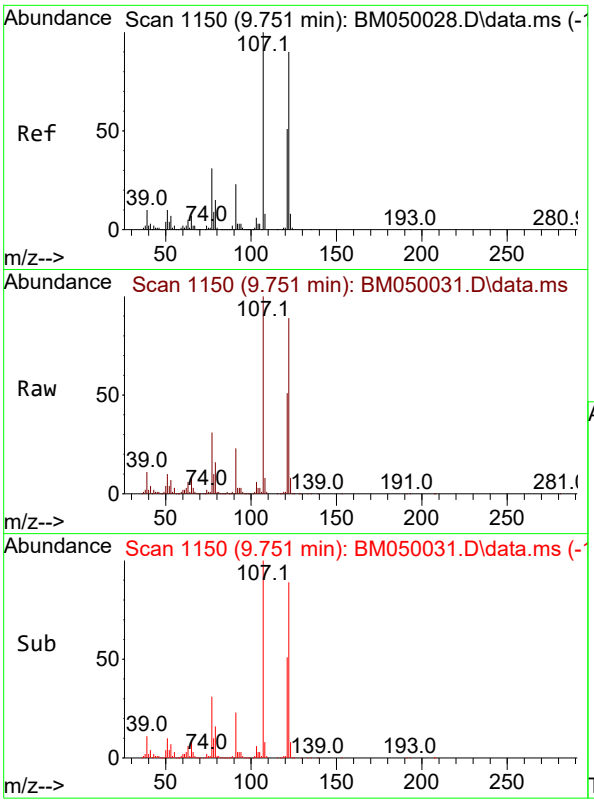


#26
2-Nitrophenol
Concen: 85.053 ng
RT: 9.680 min Scan# 1138
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:139 Resp: 710174

Ion	Ratio	Lower	Upper
139	100		
109	26.8	21.9	32.9
65	44.0	35.4	53.2



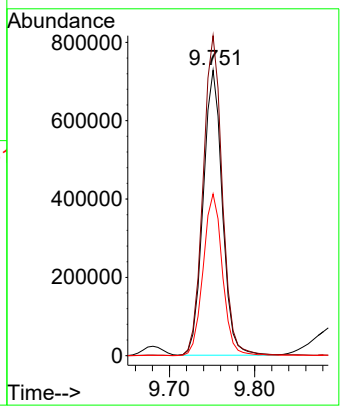


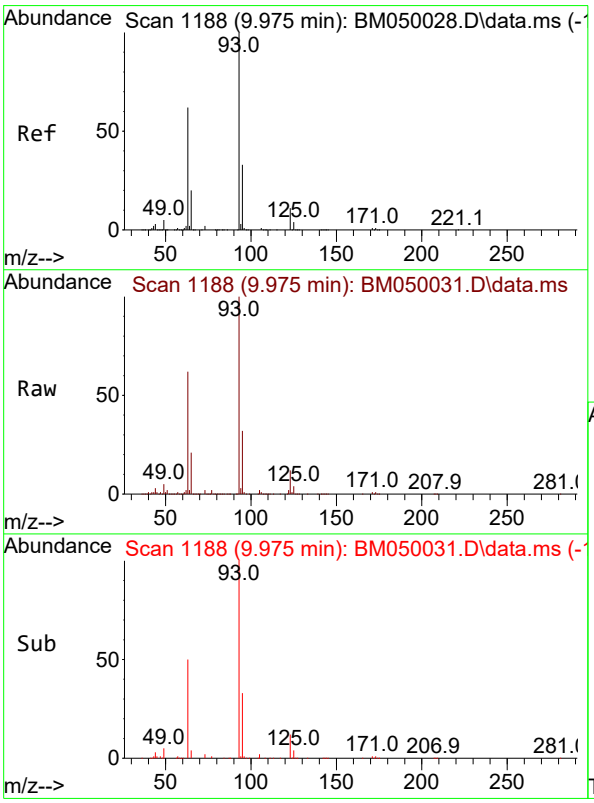
#27
2,4-Dimethylphenol
Concen: 82.043 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 1136040

Ion	Ratio	Lower	Upper
122	100		
107	112.1	89.0	133.6
121	56.7	45.6	68.4

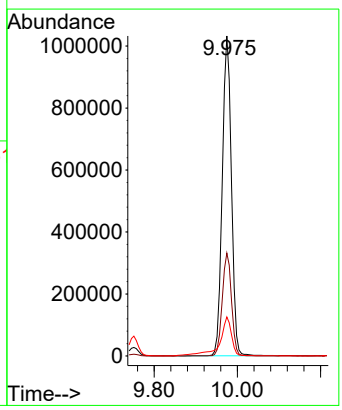


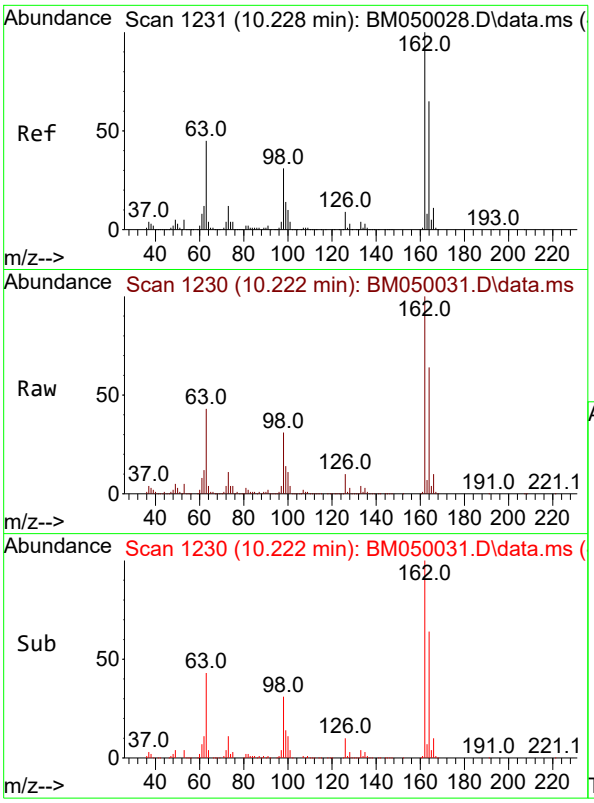


#28
bis(2-Chloroethoxy)methane
Concen: 79.437 ng
RT: 9.975 min Scan# 1188
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion: 93 Resp: 1581985

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.1	39.1
123	12.2	9.5	14.3



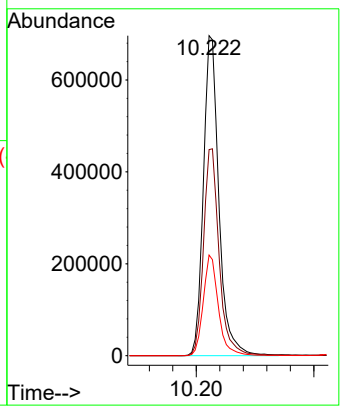


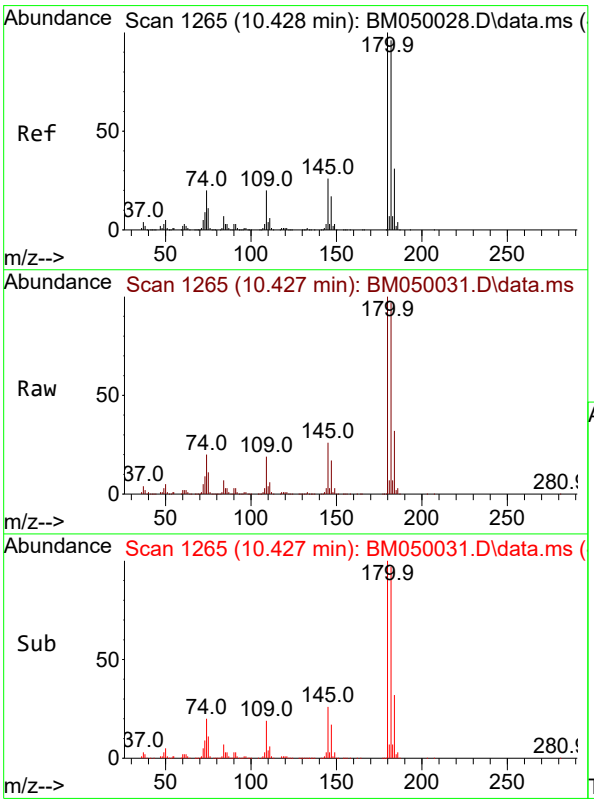
#29
2,4-Dichlorophenol
Concen: 82.243 ng
RT: 10.222 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 1275806

Ion	Ratio	Lower	Upper
162	100		
164	64.4	45.4	85.4
98	31.4	11.3	51.3

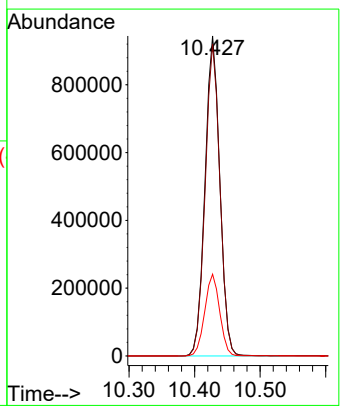


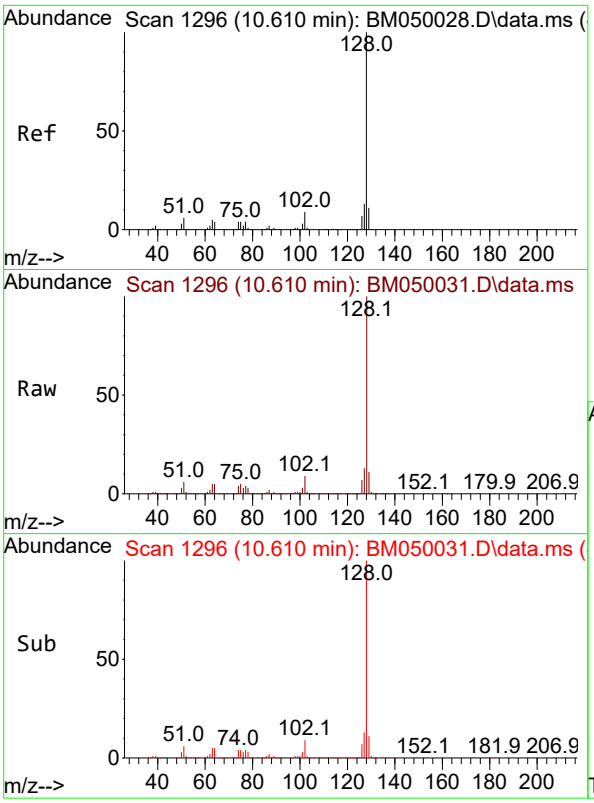


#30
1,2,4-Trichlorobenzene
Concen: 78.590 ng
RT: 10.427 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:180 Resp: 1485344

Ion	Ratio	Lower	Upper
180	100		
182	97.5	77.0	115.4
145	25.6	20.6	30.8



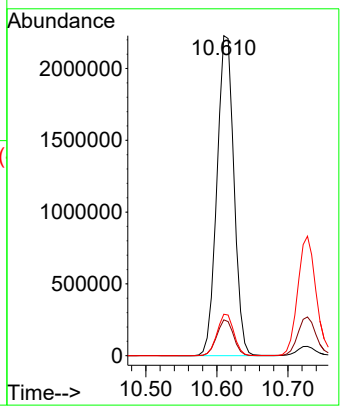


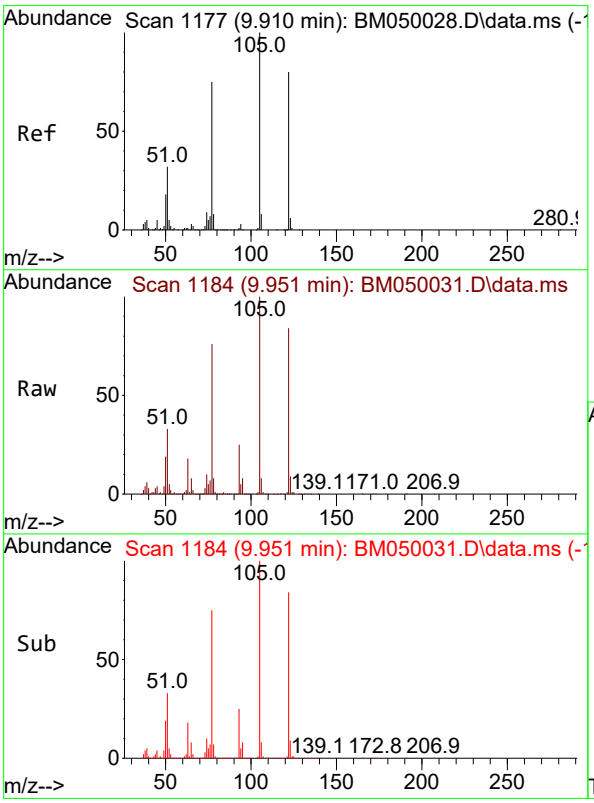
#31
Naphthalene
Concen: 78.143 ng
RT: 10.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 3686066

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.0	10.4	15.6

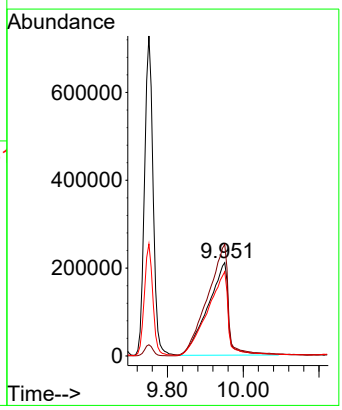


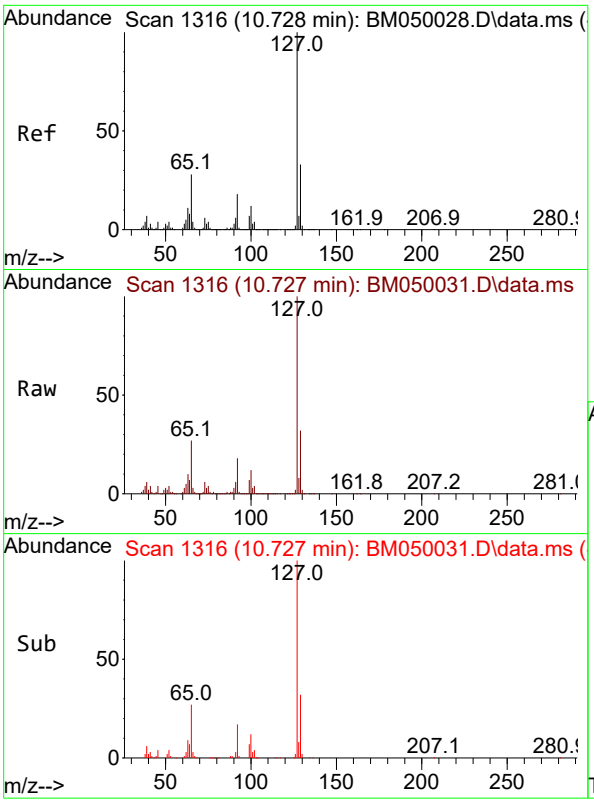


#32
Benzoic acid
Concen: 90.660 ng
RT: 9.951 min Scan# 1184
Delta R.T. 0.041 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:122 Resp: 800660

Ion	Ratio	Lower	Upper
122	100		
105	119.6	103.6	143.6
77	90.5	73.7	113.7



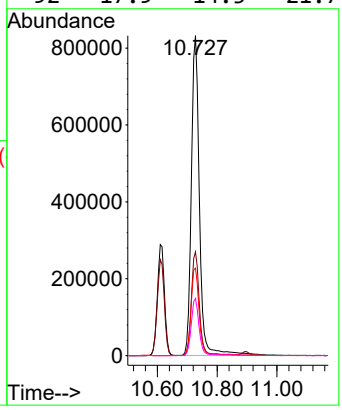


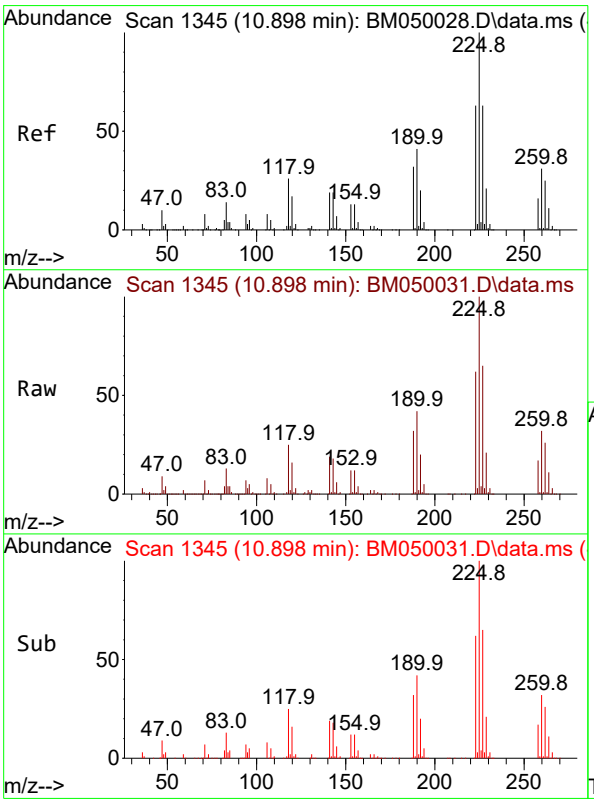
#33
4-Chloroaniline
Concen: 81.508 ng
RT: 10.727 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 1575909

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.3	39.5
65	27.3	22.5	33.7
92	17.9	14.5	21.7

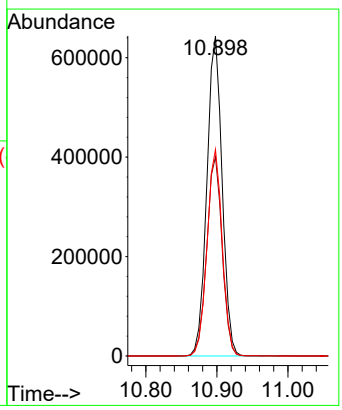


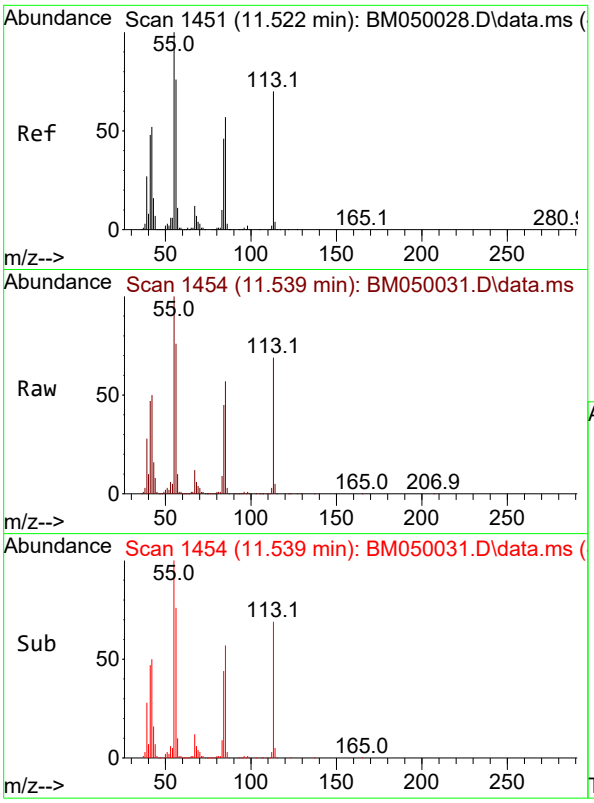


#34
Hexachlorobutadiene
Concen: 80.012 ng
RT: 10.898 min Scan# 1345
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:225 Resp: 959905

Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.2	75.2
227	64.6	50.6	76.0



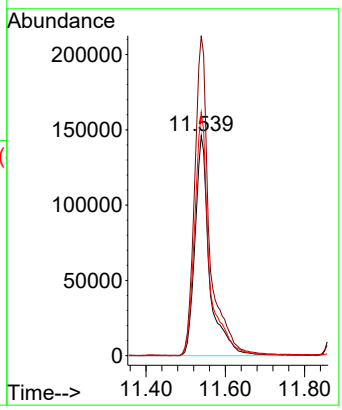


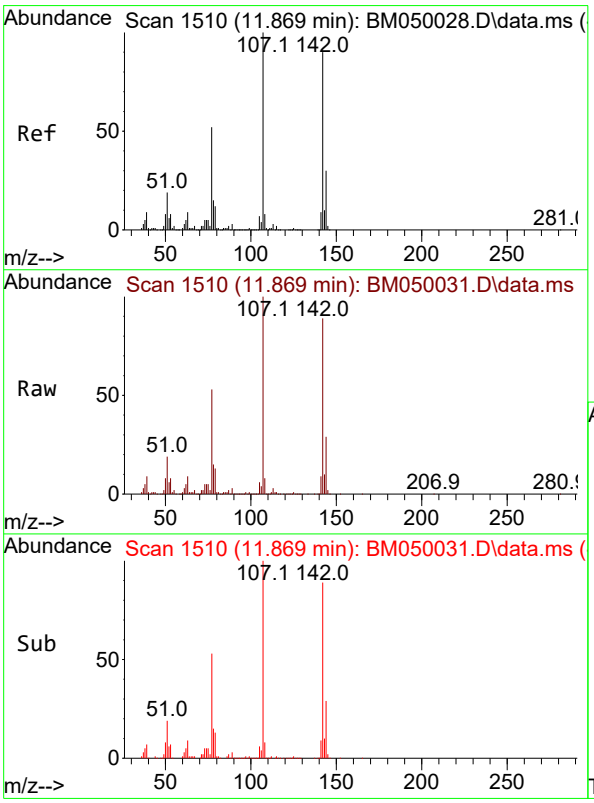
#35
Caprolactam
Concen: 82.060 ng
RT: 11.539 min Scan# 14
Delta R.T. 0.018 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:113 Resp: 371164

Ion	Ratio	Lower	Upper
113	100		
55	145.4	122.9	162.9
56	110.6	88.1	128.1

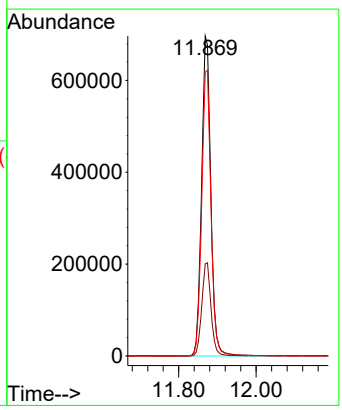


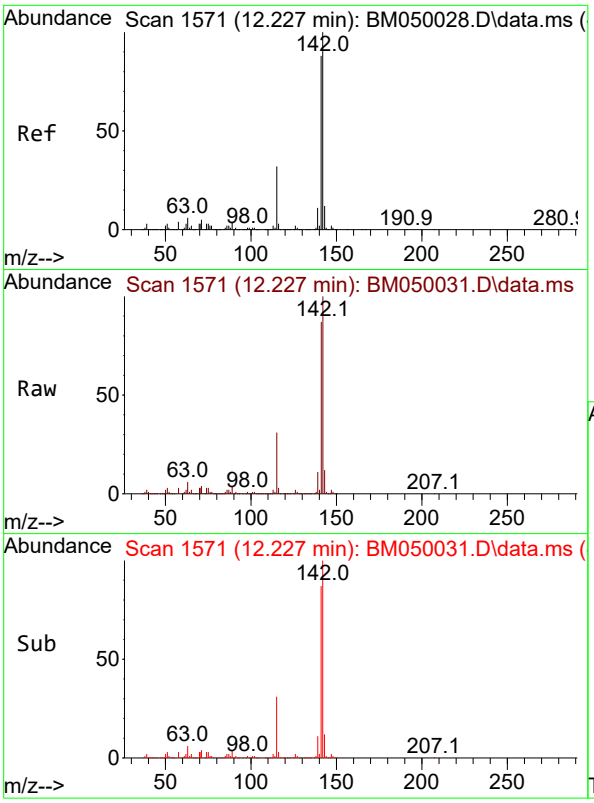


#36
4-Chloro-3-methylphenol
Concen: 80.424 ng
RT: 11.869 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:107 Resp: 1152624

Ion	Ratio	Lower	Upper
107	100		
144	28.8	23.8	35.6
142	88.7	71.9	107.9



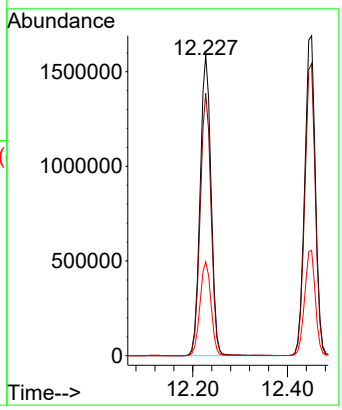


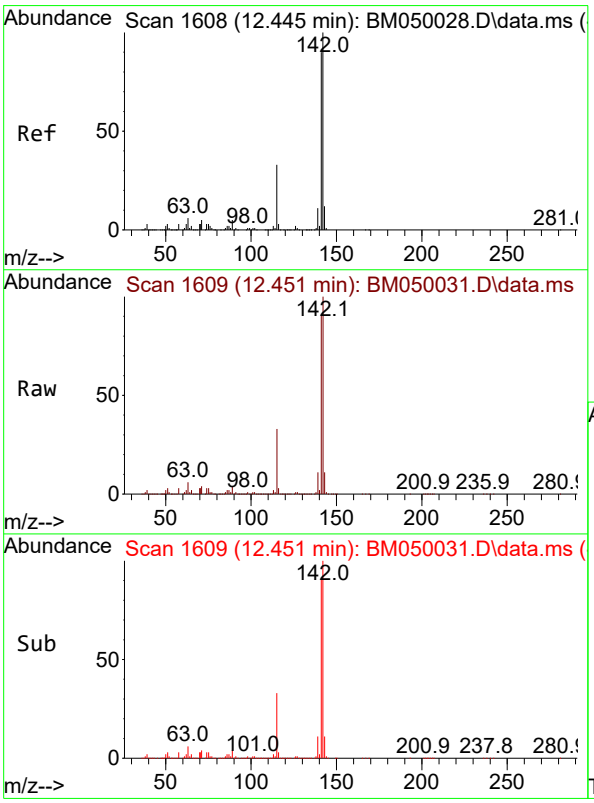
#37
2-Methylnaphthalene
Concen: 79.858 ng
RT: 12.227 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 2525532

Ion	Ratio	Lower	Upper
142	100		
141	87.3	70.4	105.6
115	31.2	25.4	38.2

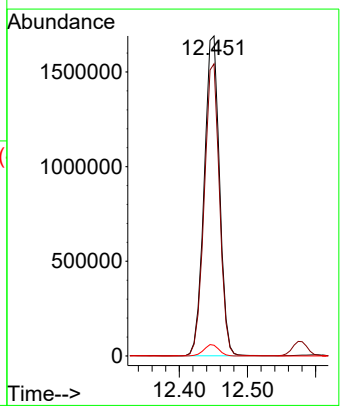


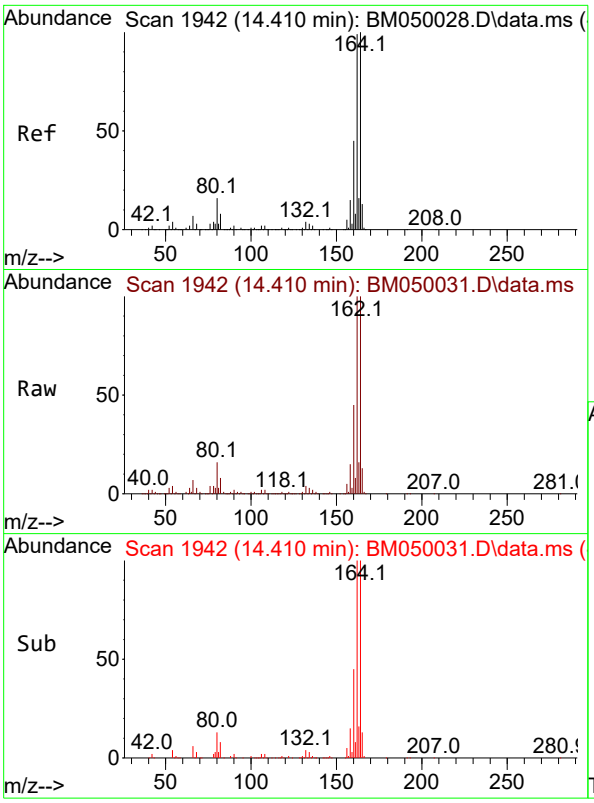


#38
1-Methylnaphthalene
Concen: 79.045 ng
RT: 12.451 min Scan# 1609
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:142 Resp: 2645483

Ion	Ratio	Lower	Upper
142	100		
141	91.3	72.1	108.1
116	3.4	2.7	4.1



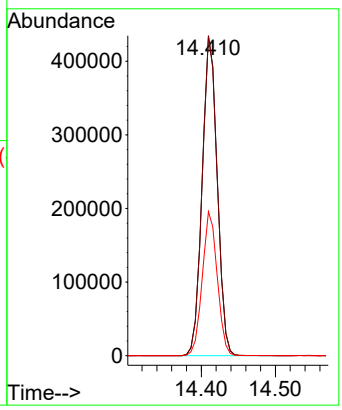


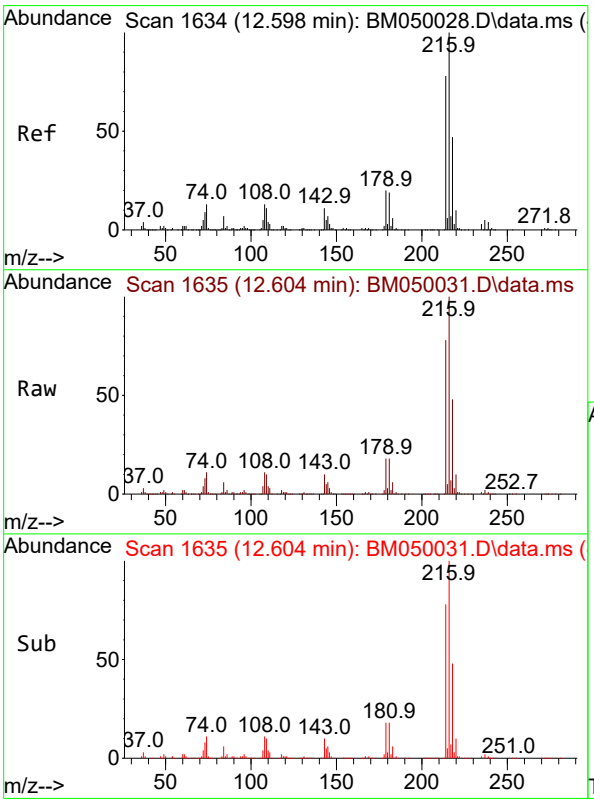
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:164 Resp: 613490

Ion	Ratio	Lower	Upper
164	100		
162	100.1	79.4	119.0
160	45.0	36.2	54.4

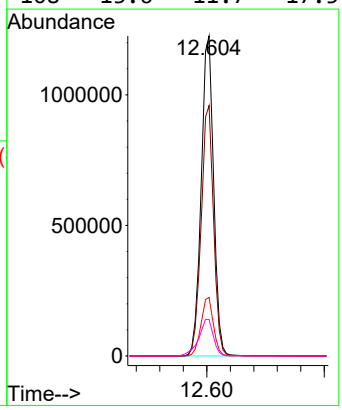


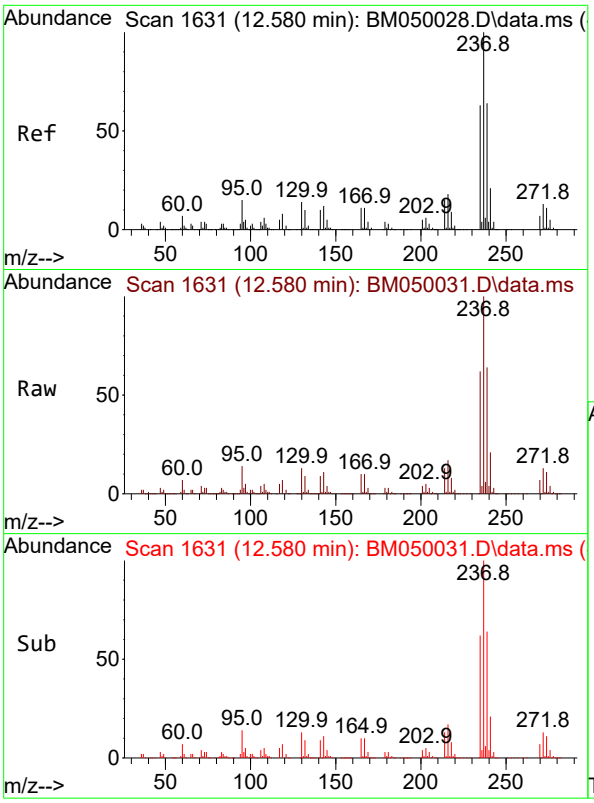


#40
1,2,4,5-Tetrachlorobenzene
Concen: 84.742 ng
RT: 12.604 min Scan# 1635
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:216 Resp: 1799698

Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.3	93.5
179	18.4	15.4	23.0
108	13.6	11.7	17.5



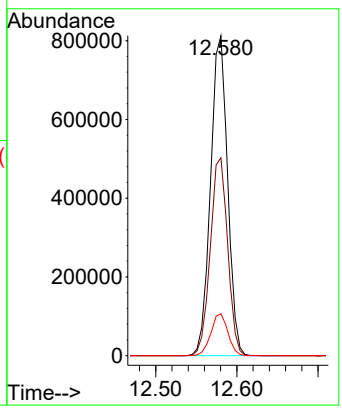


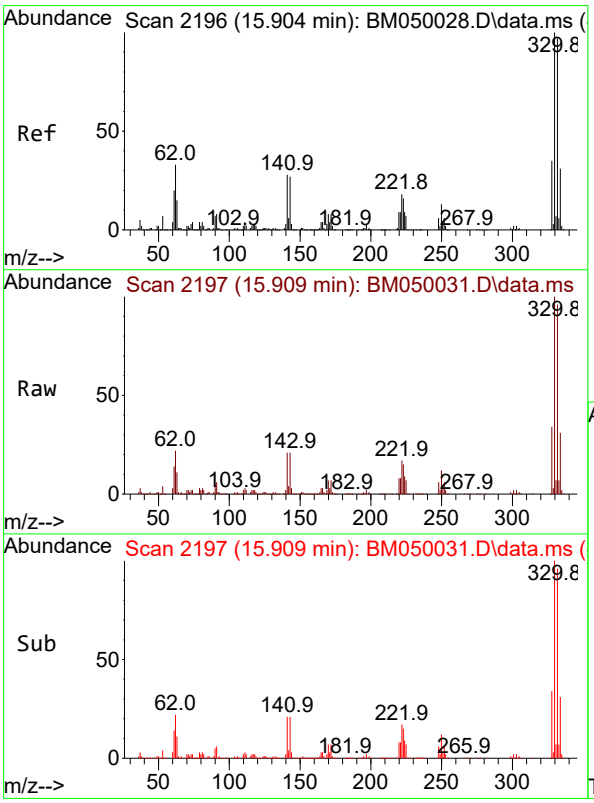
#41
Hexachlorocyclopentadiene
Concen: 91.336 ng
RT: 12.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:237 Resp: 1185418

Ion	Ratio	Lower	Upper
237	100		
235	61.8	42.9	82.9
272	13.1	0.0	32.9

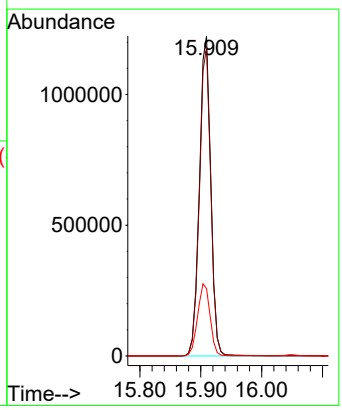


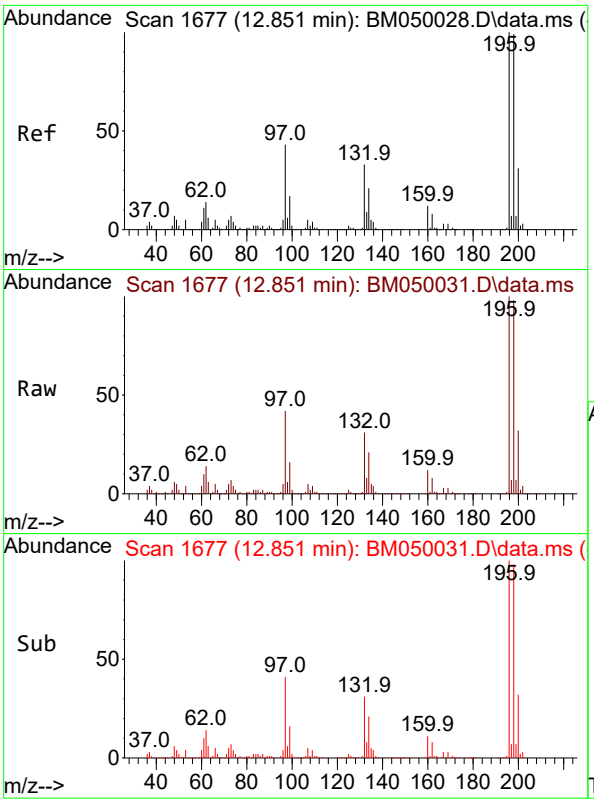


#42
2,4,6-Tribromophenol
Concen: 174.847 ng
RT: 15.909 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:330 Resp: 1586083

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.3	115.9
141	24.7	22.5	33.7



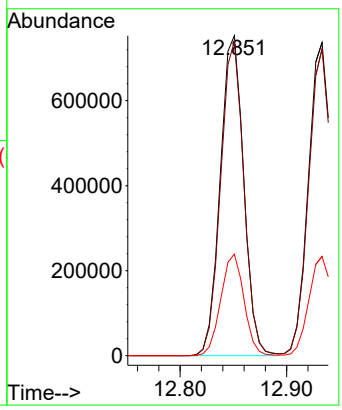


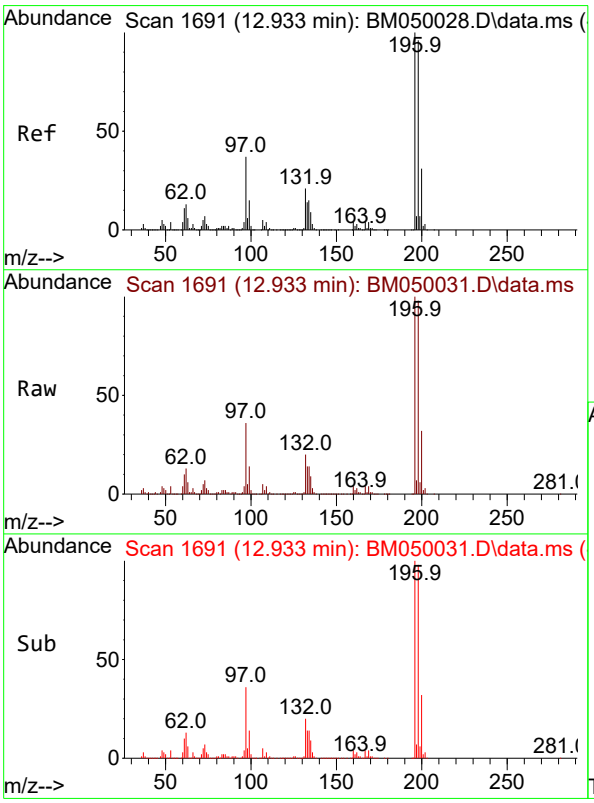
#43
2,4,6-Trichlorophenol
Concen: 85.496 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 1151641

Ion	Ratio	Lower	Upper
196	100		
198	98.2	79.0	118.6
200	31.7	25.1	37.7

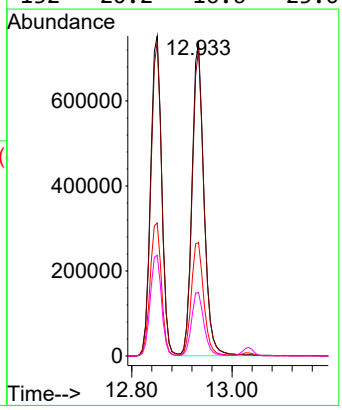


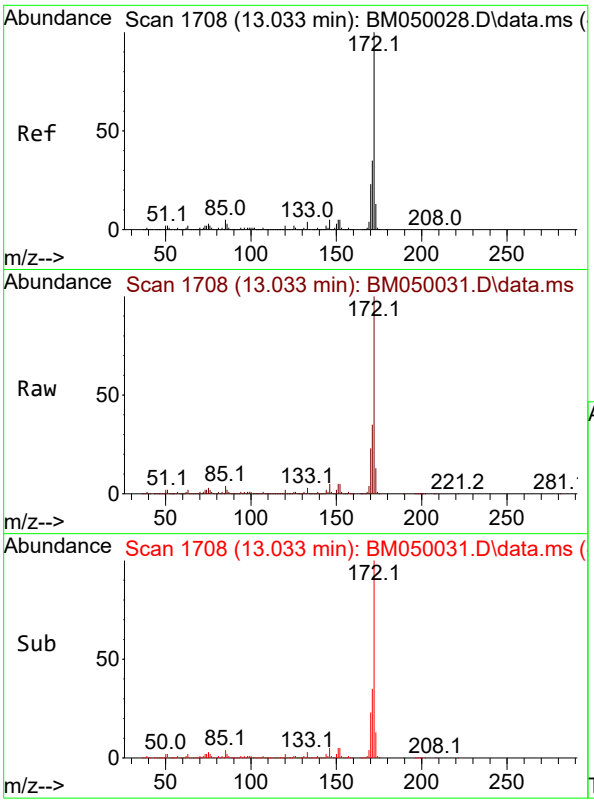


#44
2,4,5-Trichlorophenol
Concen: 84.011 ng
RT: 12.933 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:196 Resp: 1220306

Ion	Ratio	Lower	Upper
196	100		
198	97.9	76.7	115.1
97	36.2	30.1	45.1
132	20.2	16.6	25.0



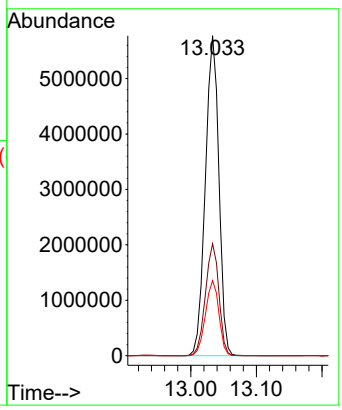


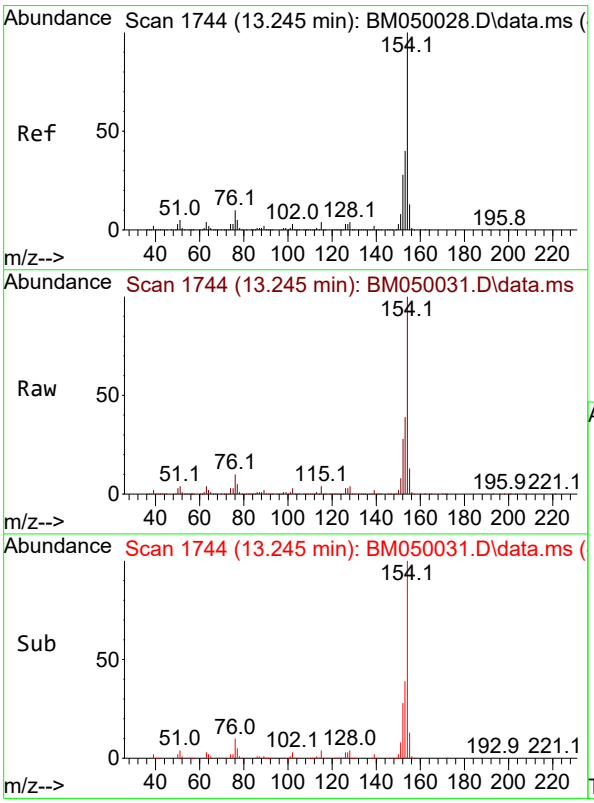
#45
2-Fluorobiphenyl
Concen: 159.736 ng
RT: 13.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:172 Resp: 8283812

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.8	41.6
170	23.5	18.6	28.0

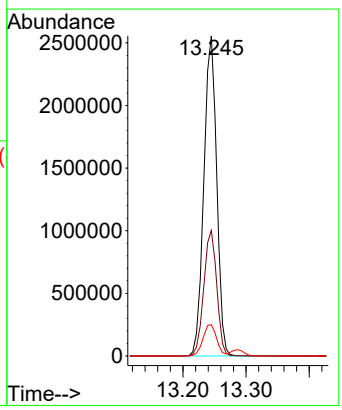


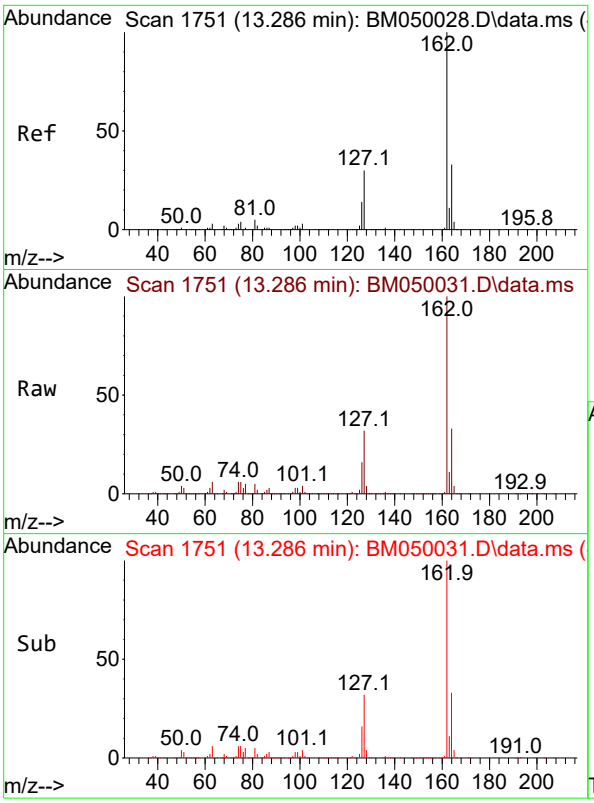


#46
1,1'-Biphenyl
Concen: 79.246 ng
RT: 13.245 min Scan# 1744
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:154 Resp: 3613893

Ion	Ratio	Lower	Upper
154	100		
153	39.2	20.0	60.0
76	9.8	0.0	30.3



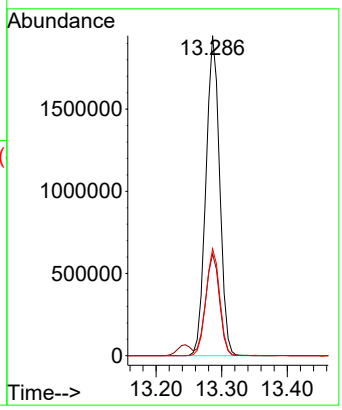


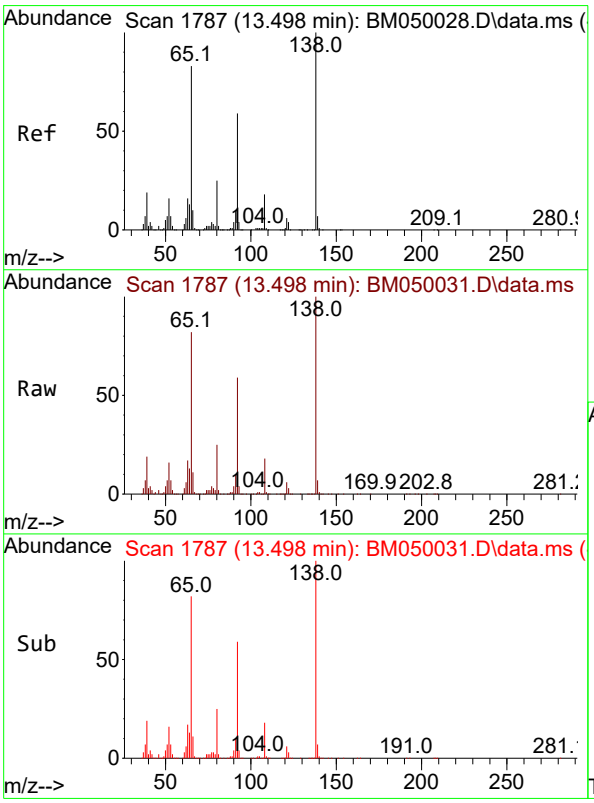
#47
2-Chloronaphthalene
Concen: 78.700 ng
RT: 13.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 2842514

Ion	Ratio	Lower	Upper
162	100		
127	31.8	25.9	38.9
164	33.4	26.6	40.0

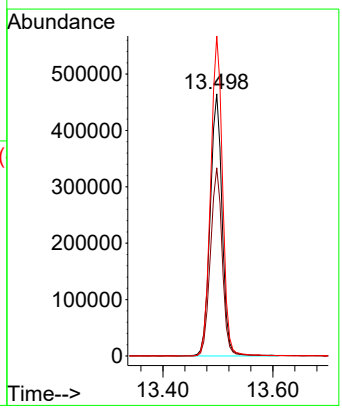


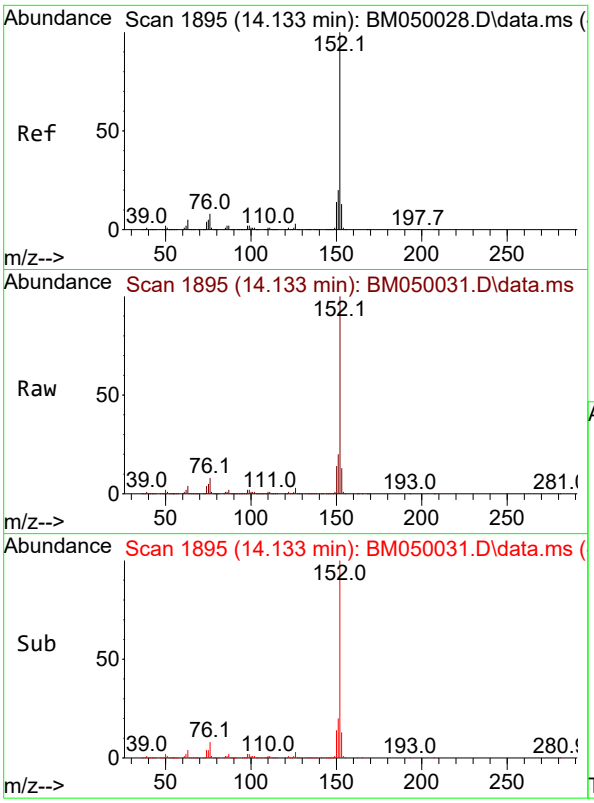


#48
2-Nitroaniline
Concen: 82.725 ng
RT: 13.498 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion: 65 Resp: 701256

Ion	Ratio	Lower	Upper
65	100		
92	71.8	57.1	85.7
138	122.1	97.0	145.4



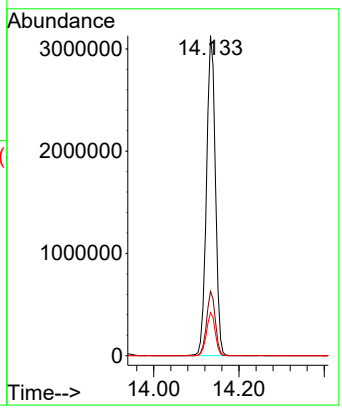


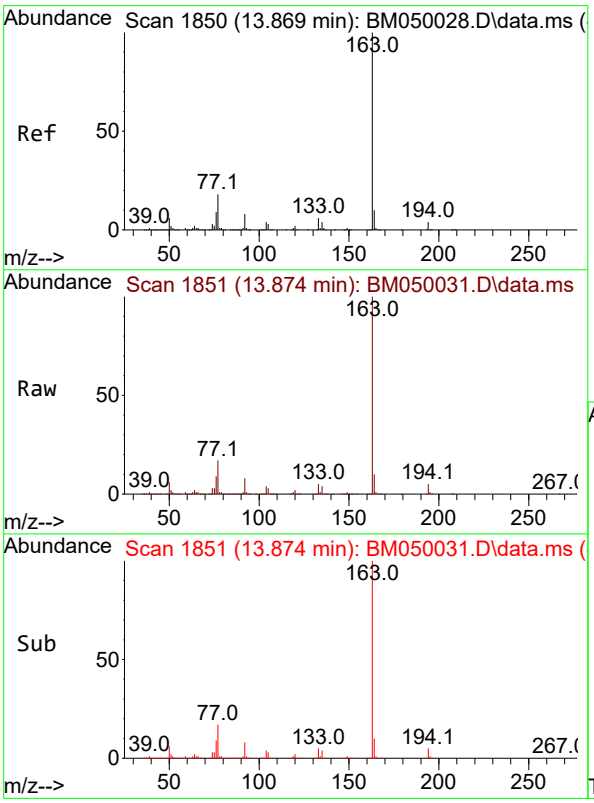
#49
Acenaphthylene
Concen: 79.492 ng
RT: 14.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 4526874

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.8
153	13.4	10.6	15.8

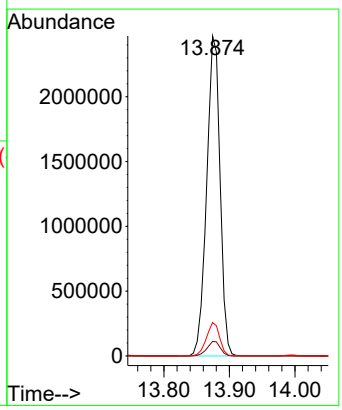


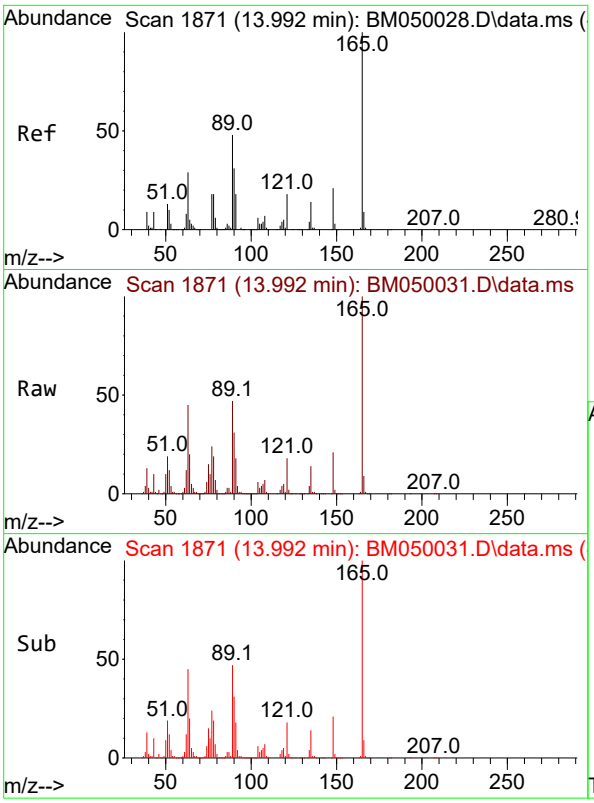


#50
Dimethylphthalate
Concen: 78.228 ng
RT: 13.874 min Scan# 1851
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:163 Resp: 3507333

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.4	5.2
164	10.4	8.2	12.2



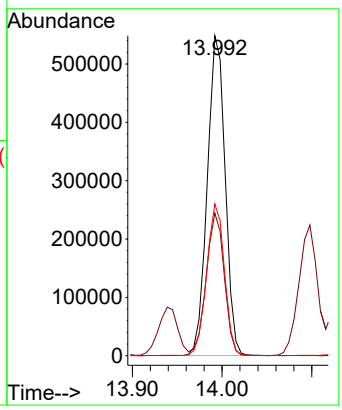


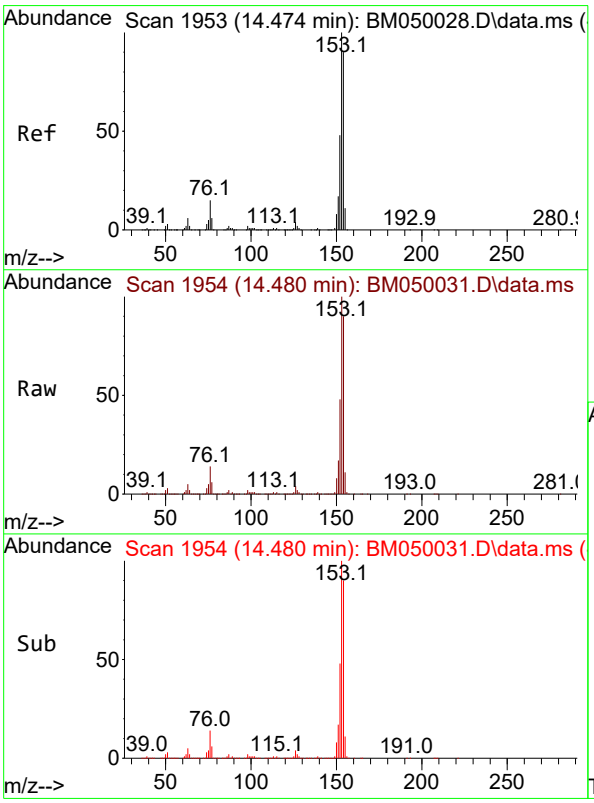
#51
2,6-Dinitrotoluene
Concen: 81.689 ng
RT: 13.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 758296

Ion	Ratio	Lower	Upper
165	100		
63	44.6	35.1	52.7
89	47.4	38.4	57.6

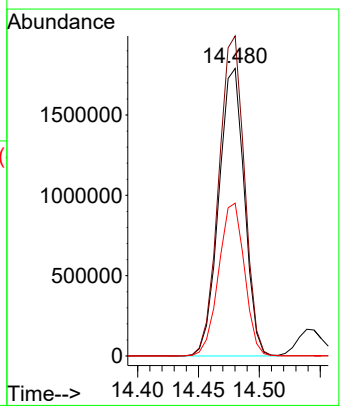


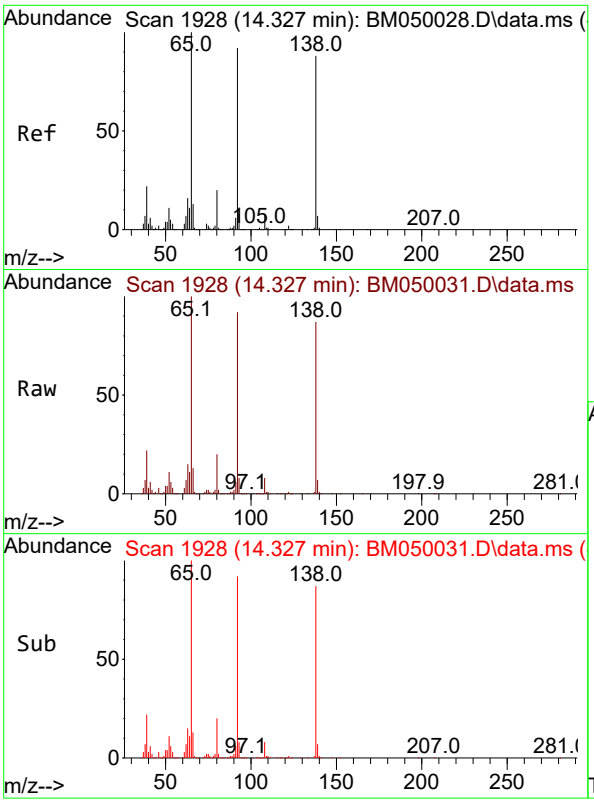


#52
Acenaphthene
Concen: 79.452 ng
RT: 14.480 min Scan# 1954
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:154 Resp: 2618967

Ion	Ratio	Lower	Upper
154	100		
153	111.3	89.0	133.4
152	53.1	43.0	64.6



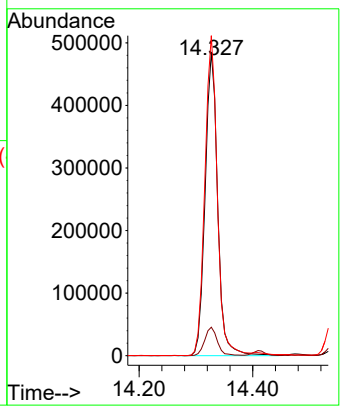


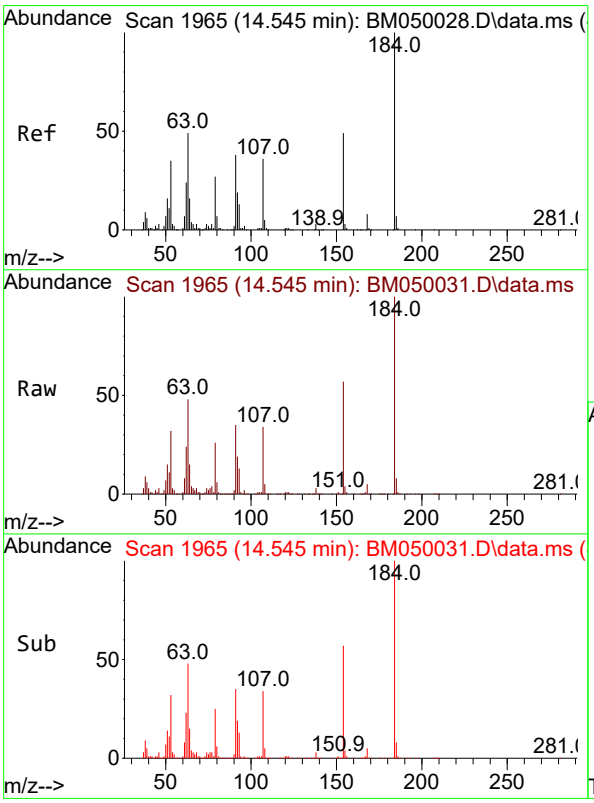
#53
3-Nitroaniline
Concen: 83.521 ng
RT: 14.327 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 740202

Ion	Ratio	Lower	Upper
138	100		
108	9.4	7.4	11.2
92	105.4	84.0	126.0

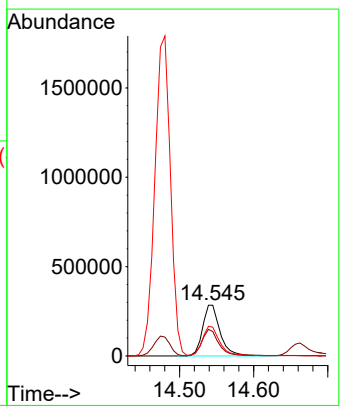


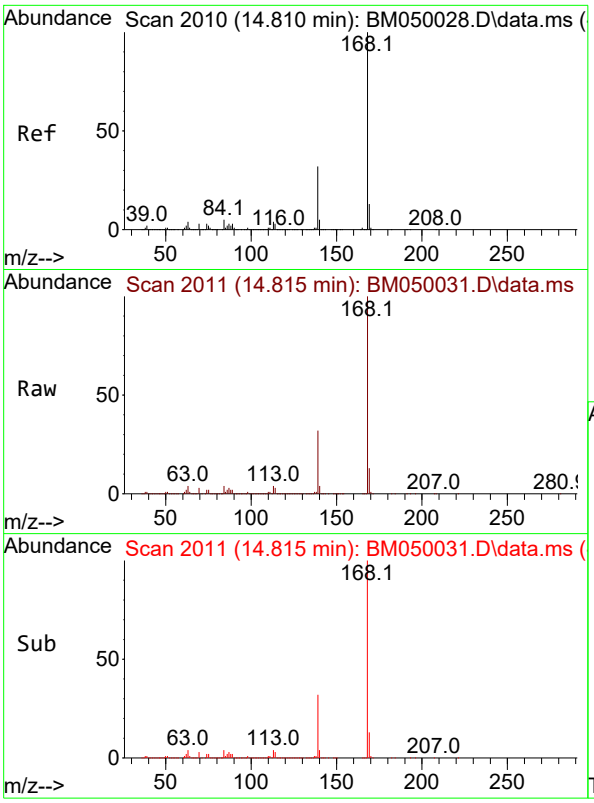


#54
2,4-Dinitrophenol
Concen: 79.096 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:184 Resp: 469472

Ion	Ratio	Lower	Upper
184	100		
63	48.1	39.8	59.6
154	57.0	46.1	69.1



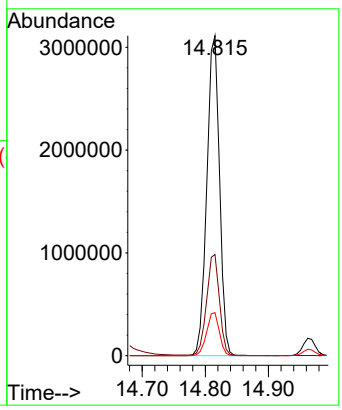


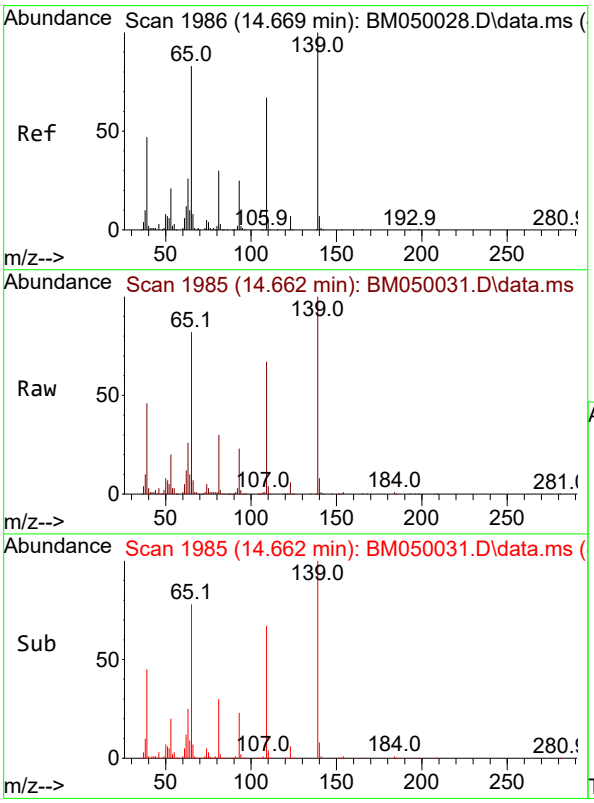
#55
Dibenzofuran
Concen: 78.875 ng
RT: 14.815 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:168 Resp: 4325783

Ion	Ratio	Lower	Upper
168	100		
139	31.6	26.1	39.1
169	13.5	10.8	16.2

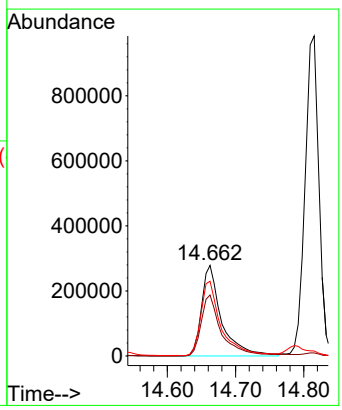


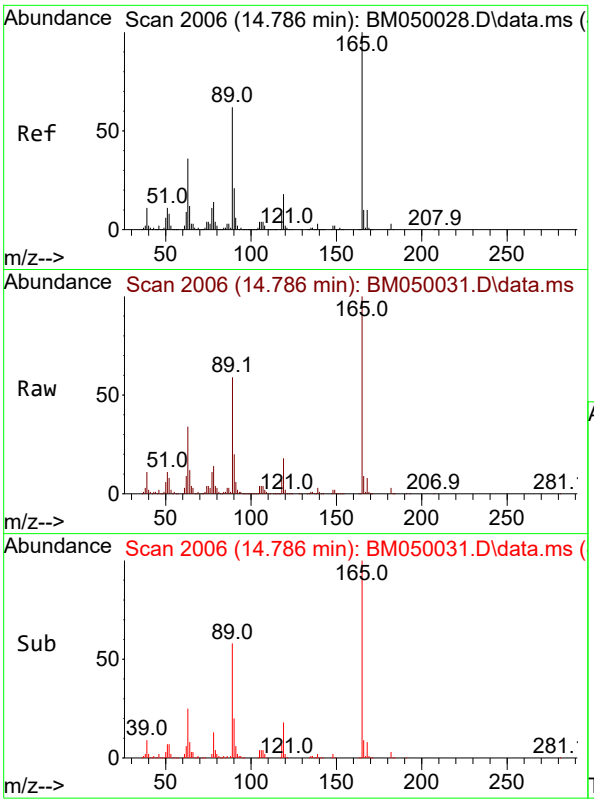


#56
4-Nitrophenol
Concen: 78.710 ng
RT: 14.662 min Scan# 1985
Delta R.T. -0.007 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:139 Resp: 566943

Ion	Ratio	Lower	Upper
139	100		
109	67.2	47.0	87.0
65	82.5	64.3	104.3



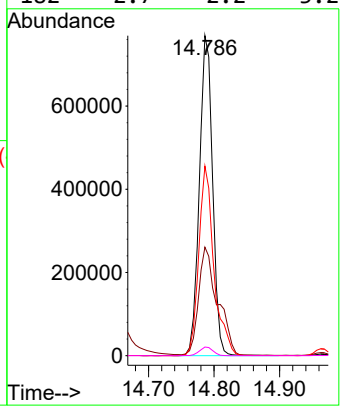


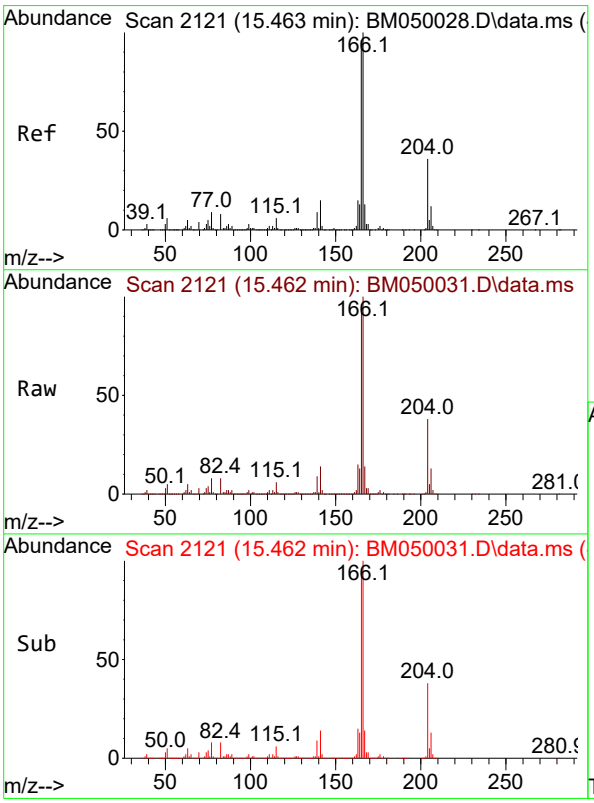
#57
2,4-Dinitrotoluene
Concen: 84.207 ng
RT: 14.786 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 1080118

Ion	Ratio	Lower	Upper
165	100		
63	33.9	29.0	43.6
89	59.2	49.4	74.2
182	2.7	2.2	3.2

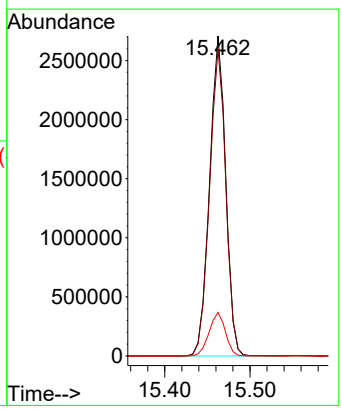


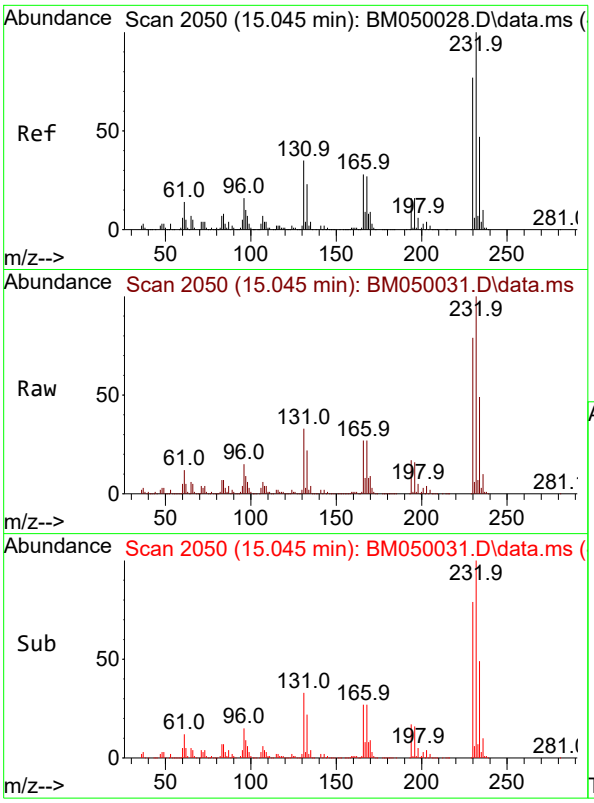


#58
Fluorene
Concen: 79.426 ng
RT: 15.462 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:166 Resp: 3565506

Ion	Ratio	Lower	Upper
166	100		
165	96.0	76.6	115.0
167	13.6	10.6	16.0



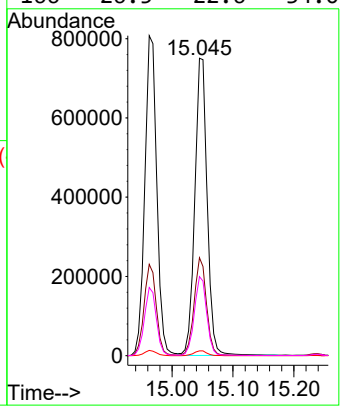


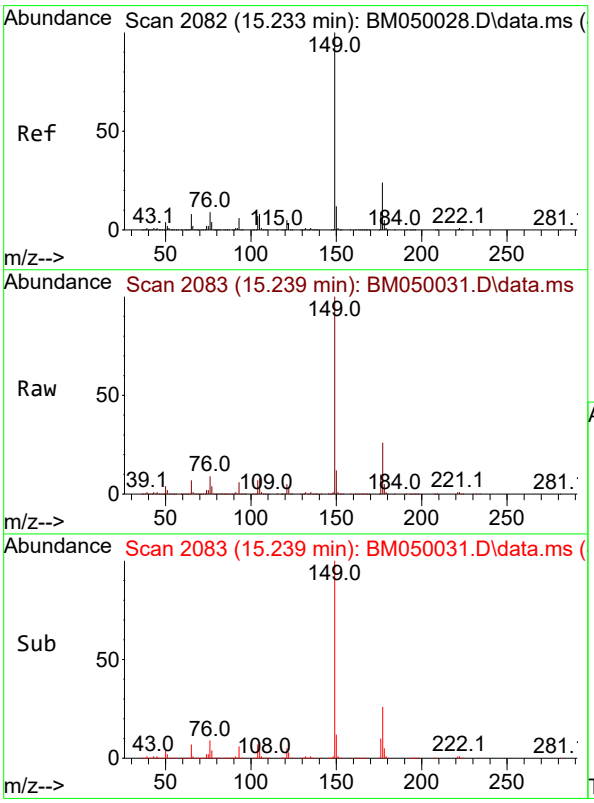
#59
2,3,4,6-Tetrachlorophenol
Concen: 84.123 ng
RT: 15.045 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 1057707

Ion	Ratio	Lower	Upper
232	100		
131	32.8	28.2	42.4
130	1.7	1.5	2.3
166	26.5	22.6	34.0

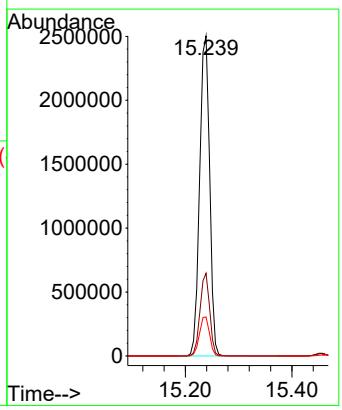


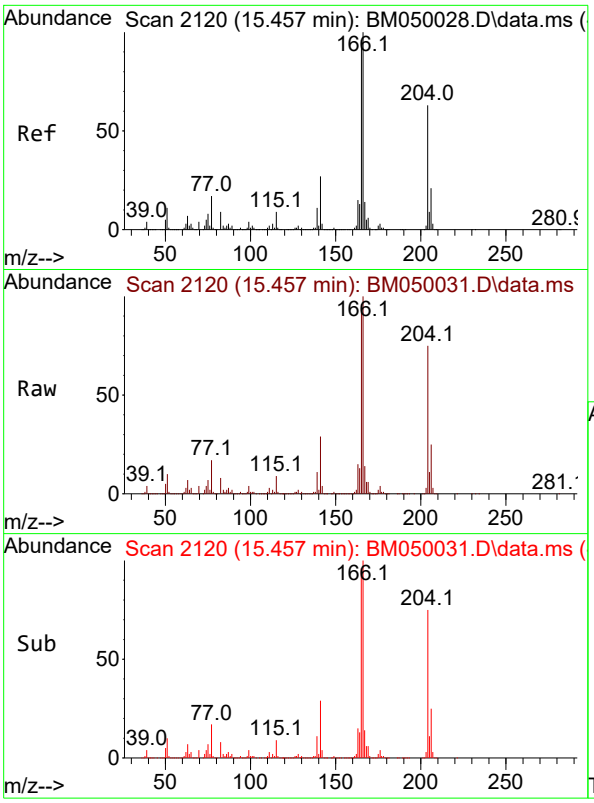


#60
Diethylphthalate
Concen: 77.118 ng
RT: 15.239 min Scan# 2083
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:149 Resp: 3257954

Ion	Ratio	Lower	Upper
149	100		
177	25.8	19.1	28.7
150	12.2	9.6	14.4



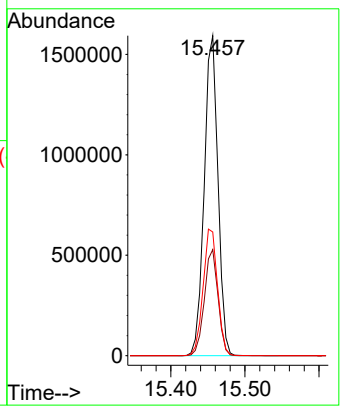


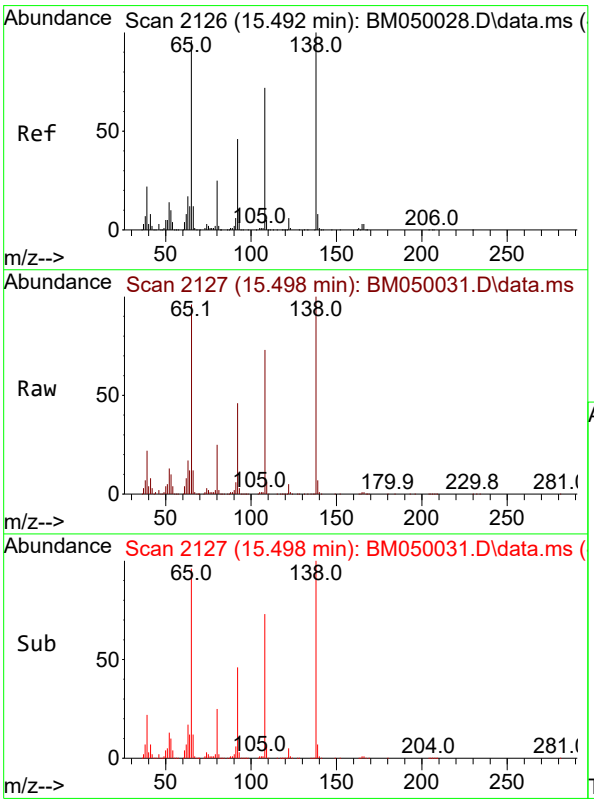
#61
4-Chlorophenyl-phenylether
Concen: 83.186 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 2051105

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.3	39.5
141	38.7	34.0	51.0

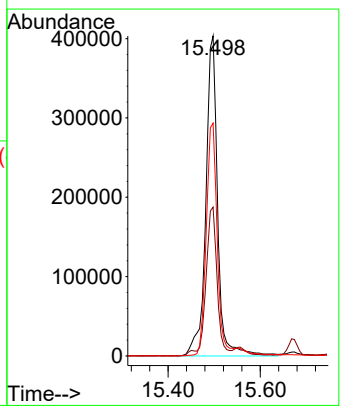


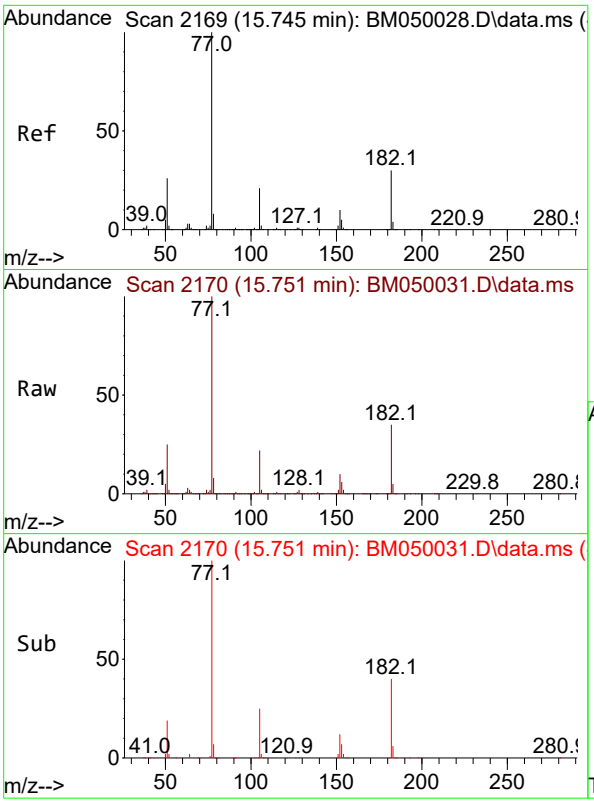


#62
4-Nitroaniline
Concen: 84.678 ng
RT: 15.498 min Scan# 2127
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:138 Resp: 724549

Ion	Ratio	Lower	Upper
138	100		
92	46.5	25.9	65.9
108	72.8	52.4	92.4



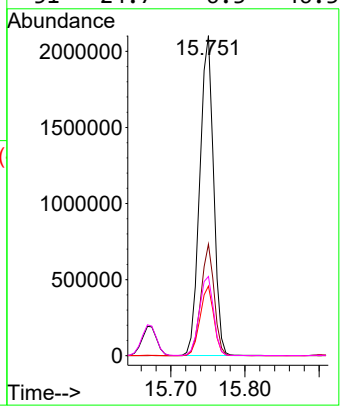


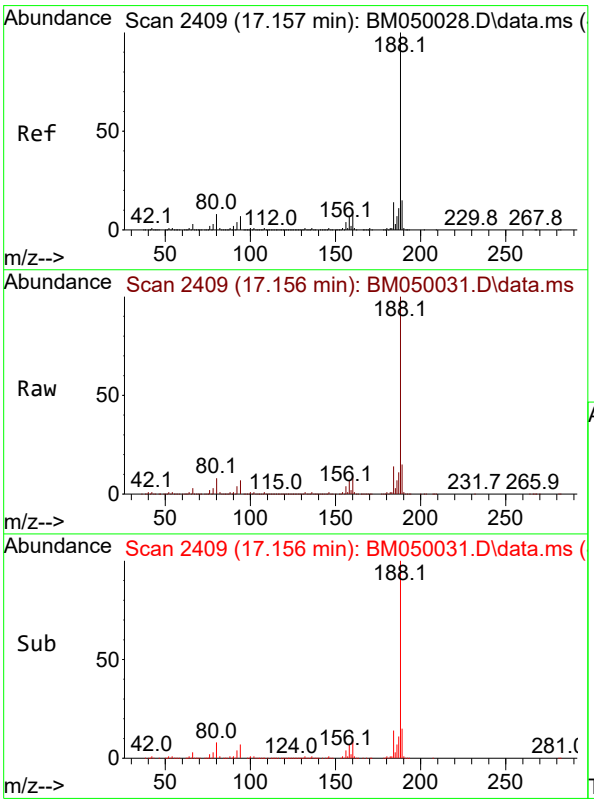
#63
Azobenzene
Concen: 76.914 ng
RT: 15.751 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 2723186

Ion	Ratio	Lower	Upper
77	100		
182	34.9	10.5	50.5
105	21.7	1.1	41.1
51	24.7	6.3	46.3

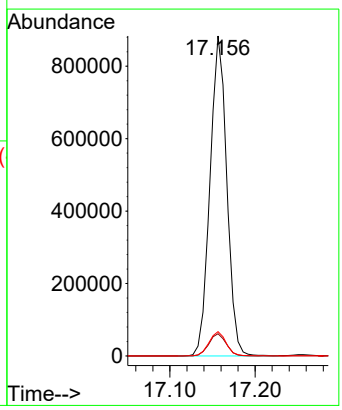


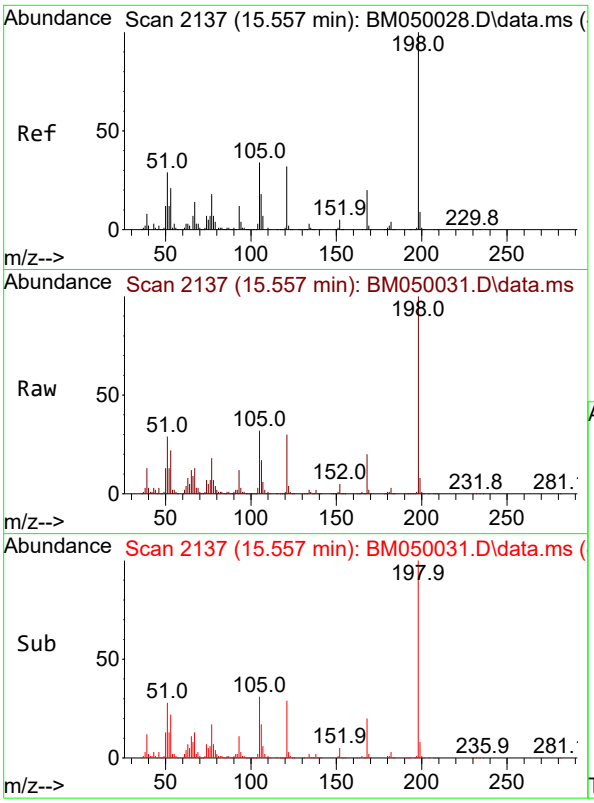


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.156 min Scan# 2409
Delta R.T. -0.001 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:188 Resp: 1212251

Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.7	8.5
80	7.6	6.2	9.4



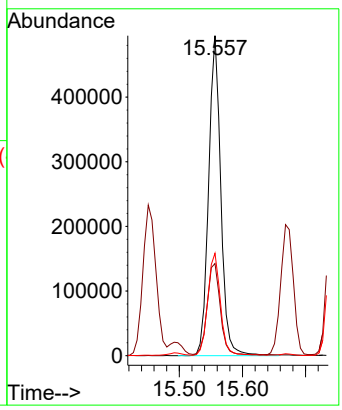


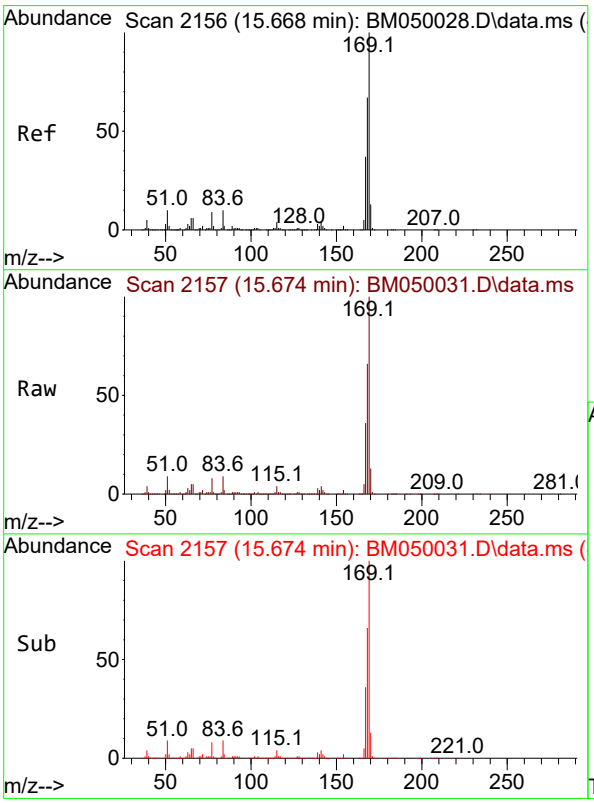
#65
4,6-Dinitro-2-methylphenol
Concen: 87.741 ng
RT: 15.557 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 665798

Ion	Ratio	Lower	Upper
198	100		
51	28.8	10.4	50.4
105	32.0	14.6	54.6

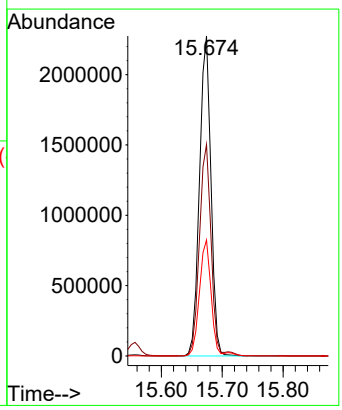


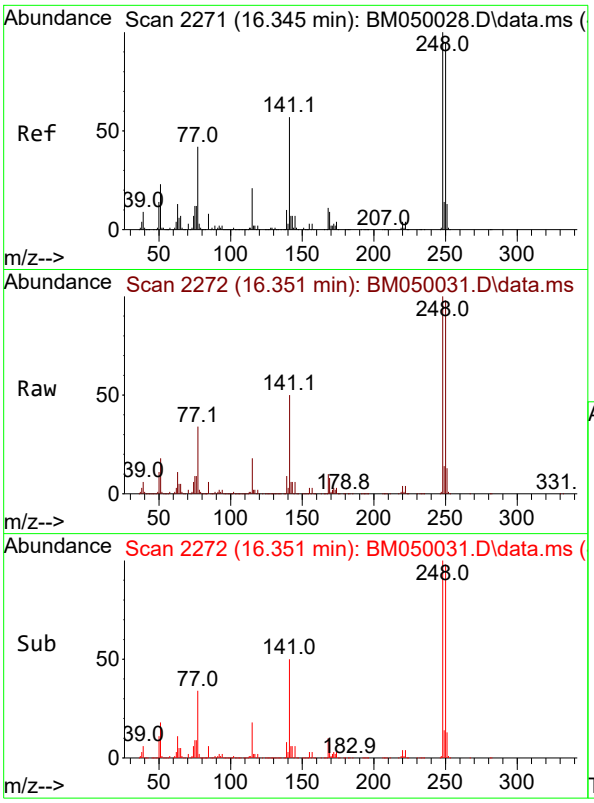


#66
n-Nitrosodiphenylamine
Concen: 79.443 ng
RT: 15.674 min Scan# 2157
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:169 Resp: 2957293

Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.4	80.2
167	36.3	29.4	44.0



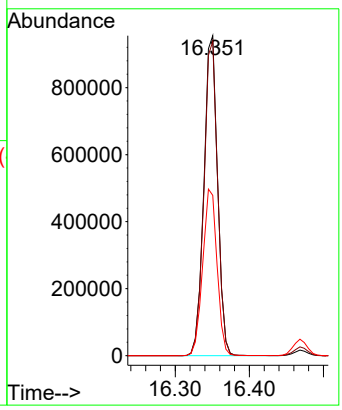


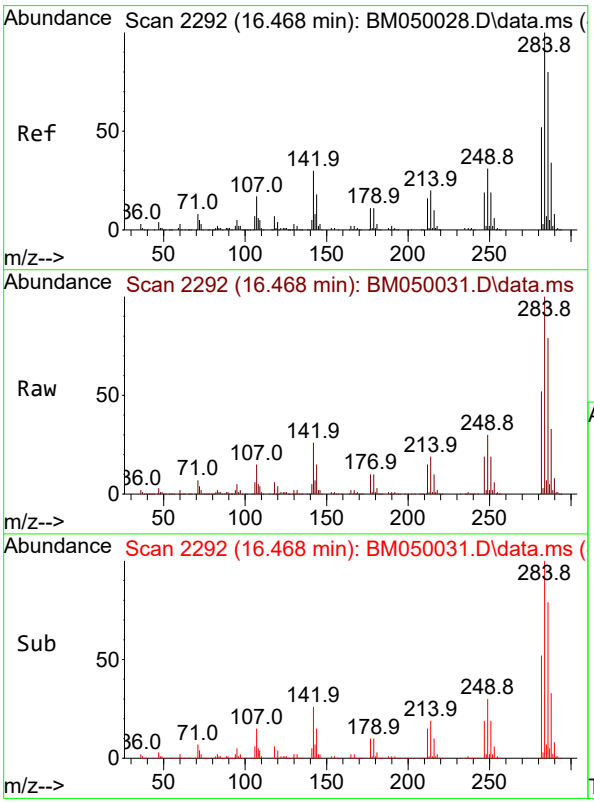
#67
4-Bromophenyl-phenylether
Concen: 83.600 ng
RT: 16.351 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 1225531

Ion	Ratio	Lower	Upper
248	100		
250	98.2	76.2	114.2
141	50.1	45.9	68.9

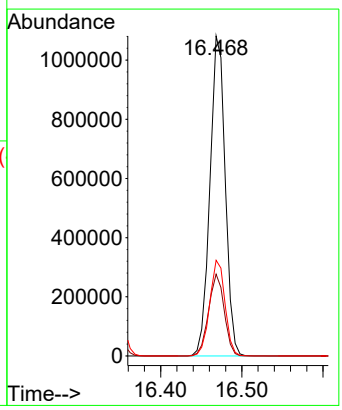


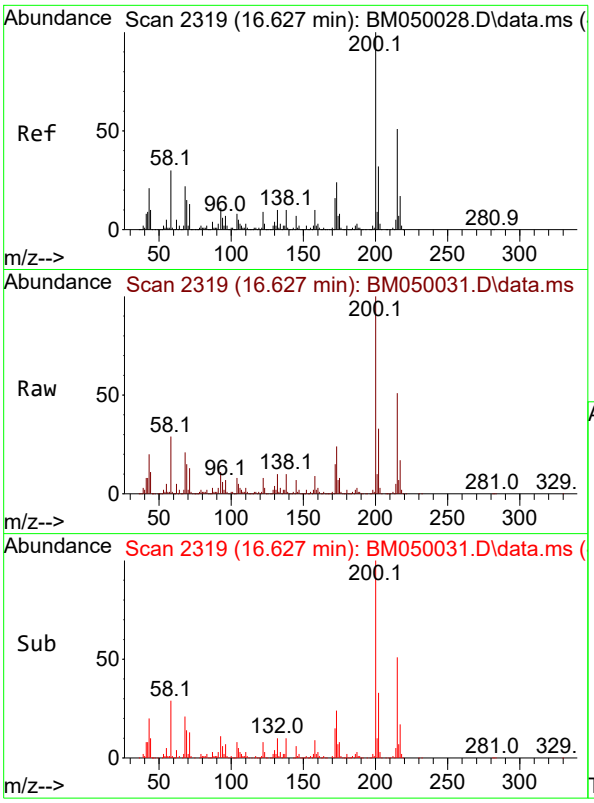


#68
Hexachlorobenzene
Concen: 83.606 ng
RT: 16.468 min Scan# 2292
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:284 Resp: 1412768

Ion	Ratio	Lower	Upper
284	100		
142	25.5	23.9	35.9
249	29.9	24.5	36.7



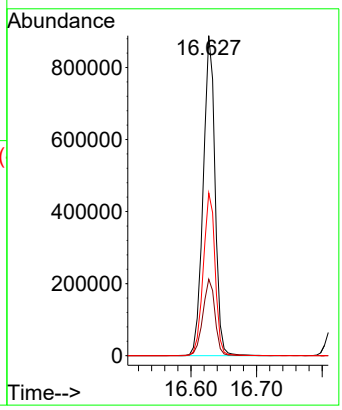


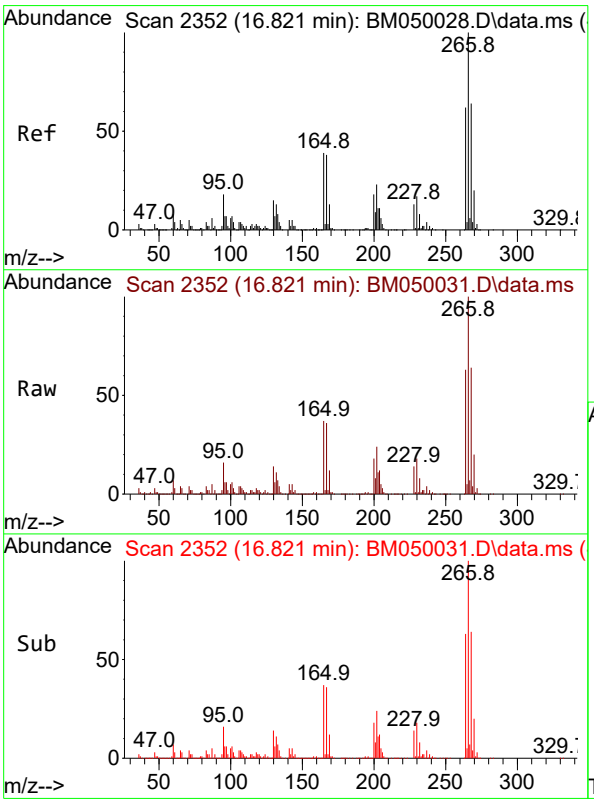
#69
Atrazine
Concen: 83.174 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:200 Resp: 1116818

Ion	Ratio	Lower	Upper
200	100		
173	23.9	4.3	44.3
215	50.8	30.6	70.6

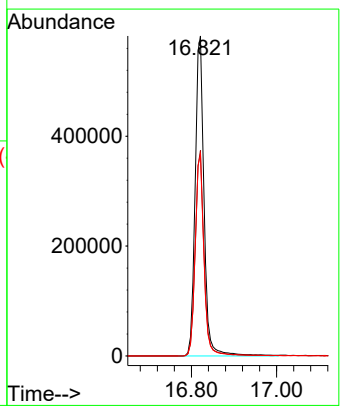


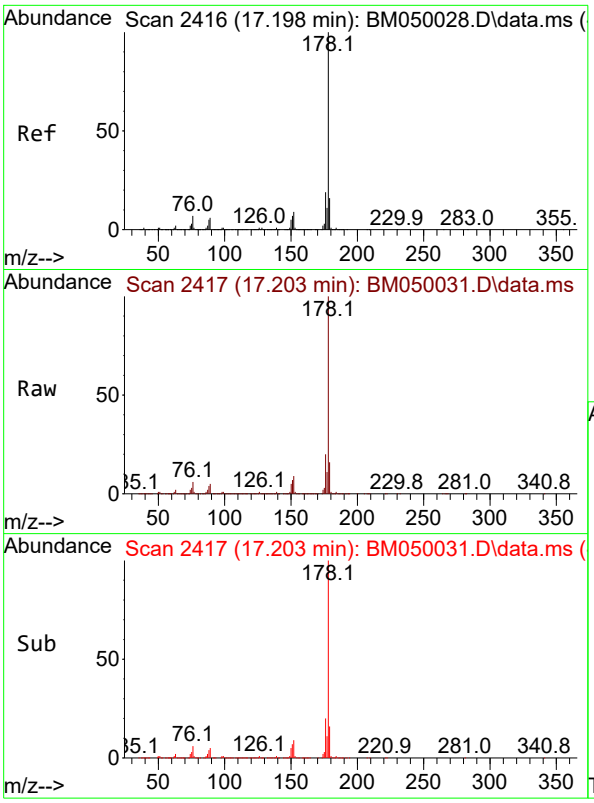


#70
Pentachlorophenol
Concen: 88.648 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:266 Resp: 843195

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.2	76.8
264	63.1	49.6	74.4



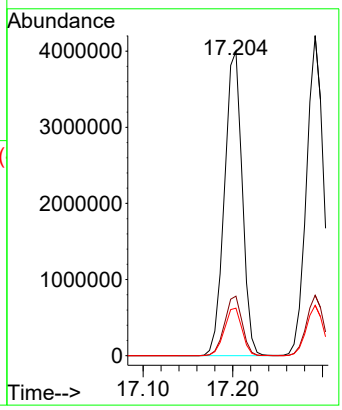


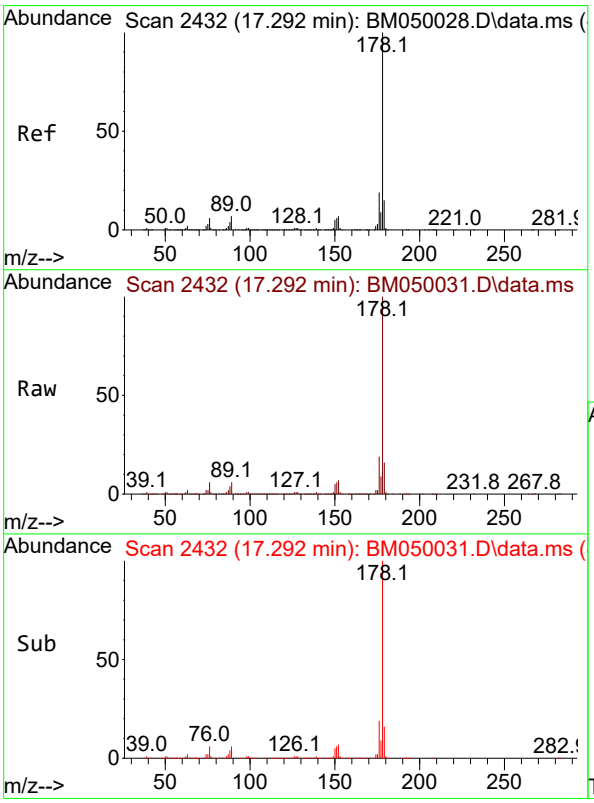
#71
Phenanthrene
Concen: 80.266 ng
RT: 17.203 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 5487968

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	15.6	12.4	18.6

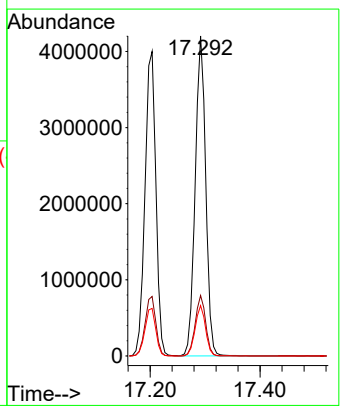


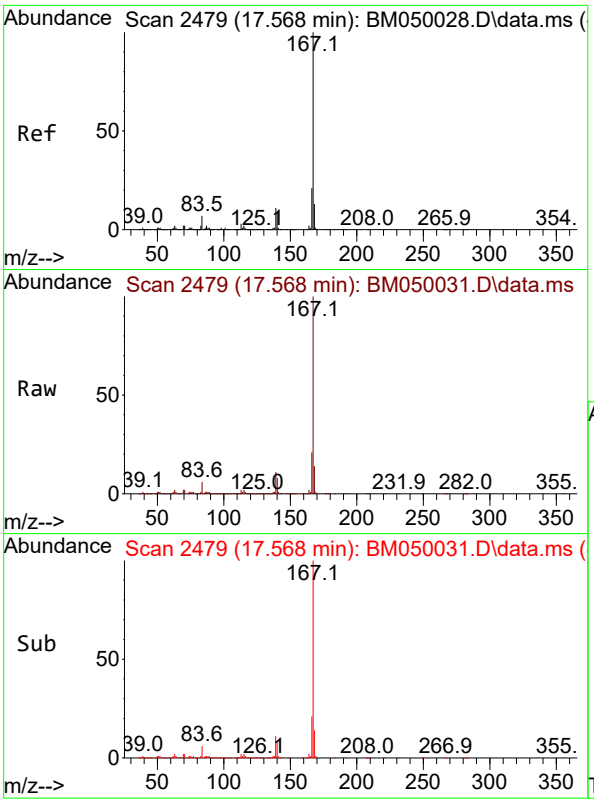


#72
Anthracene
Concen: 80.893 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:178 Resp: 5597195

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.8	12.2	18.4



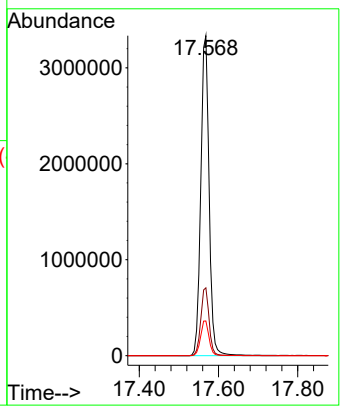


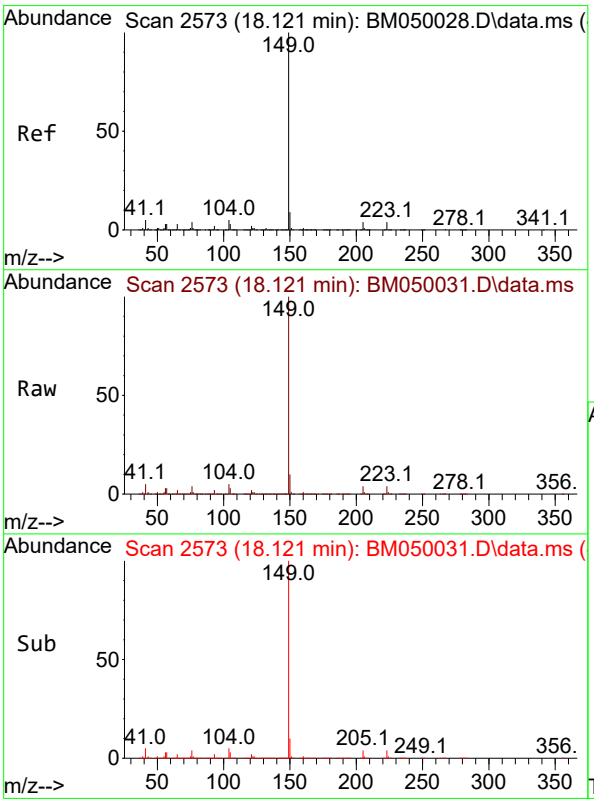
#73
Carbazole
Concen: 80.705 ng
RT: 17.568 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:167 Resp: 4845637

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.2	25.8
139	10.8	9.0	13.6

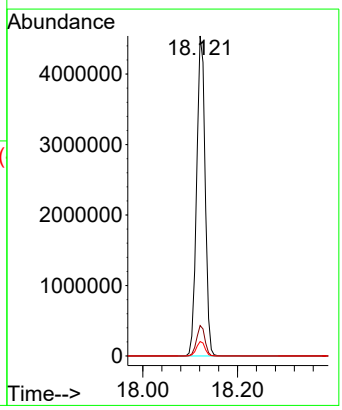


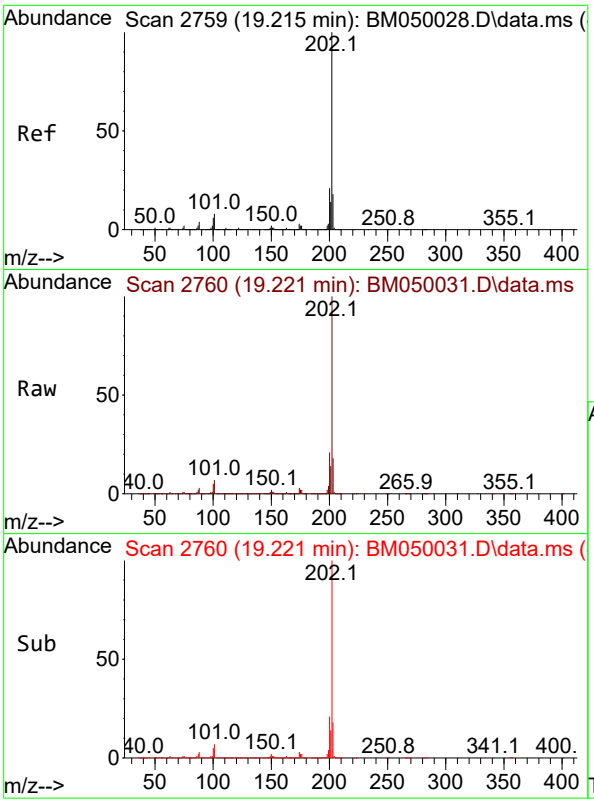


#74
Di-n-butylphthalate
Concen: 79.007 ng
RT: 18.121 min Scan# 2573
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:149 Resp: 5649166

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.3	10.9
104	4.5	3.8	5.6



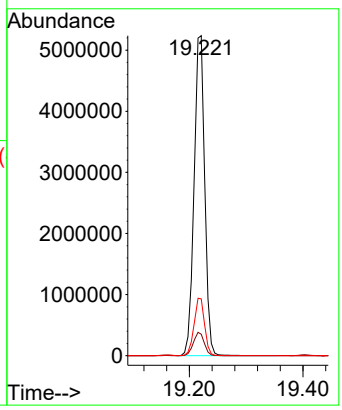


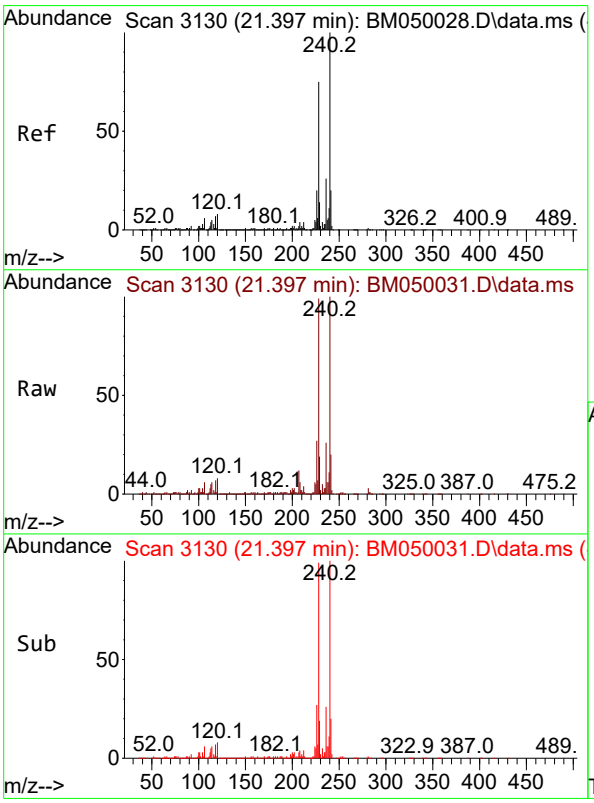
#75
Fluoranthene
Concen: 85.234 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 6841999

Ion	Ratio	Lower	Upper
202	100		
101	6.7	0.0	28.0
203	17.7	0.0	37.7

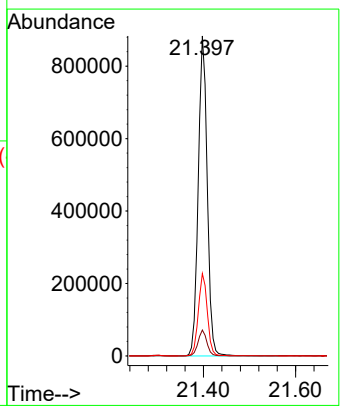


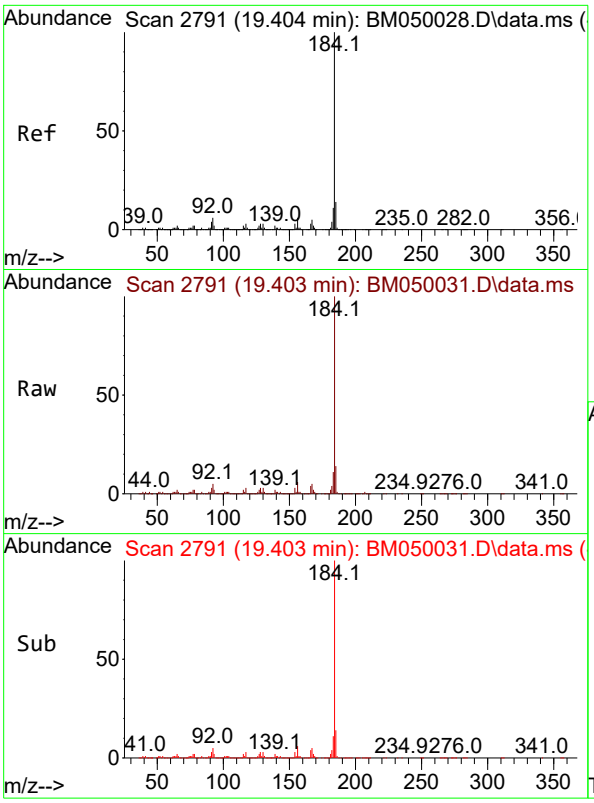


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. 0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:240 Resp: 1197780

Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.5	9.7
236	25.8	20.9	31.3



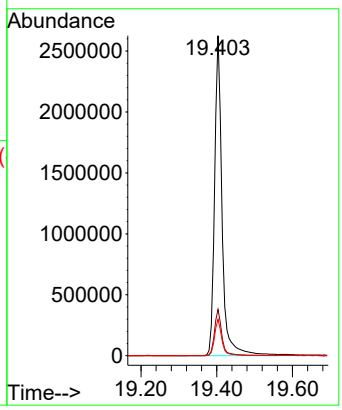


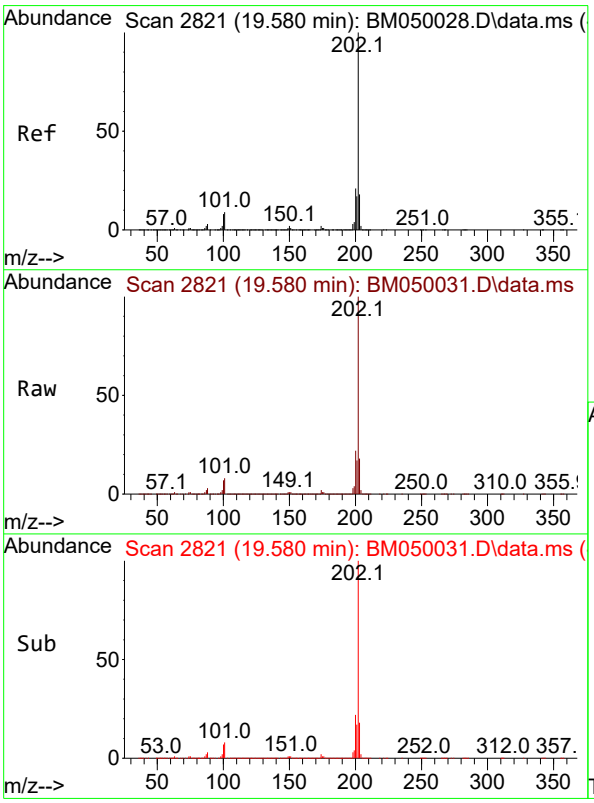
#77
Benzidine
Concen: 84.575 ng
RT: 19.403 min Scan# 2
Delta R.T. -0.001 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 3598340

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	11.3	8.9	13.3

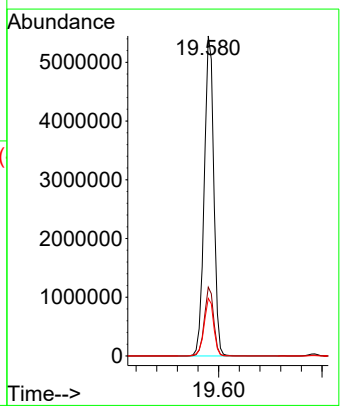


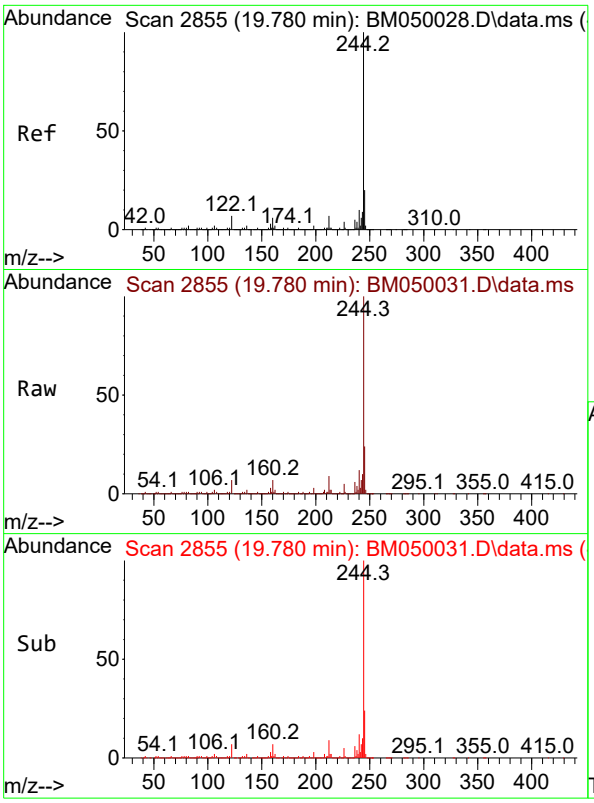


#78
Pyrene
Concen: 82.738 ng
RT: 19.580 min Scan# 2821
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:202 Resp: 6959279

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.7	25.1
203	18.0	14.1	21.1



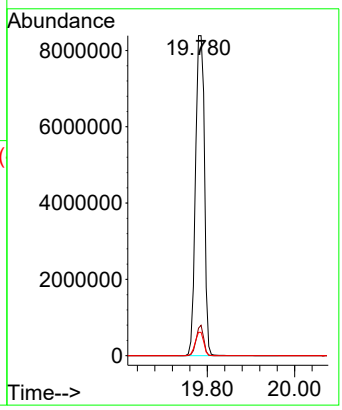


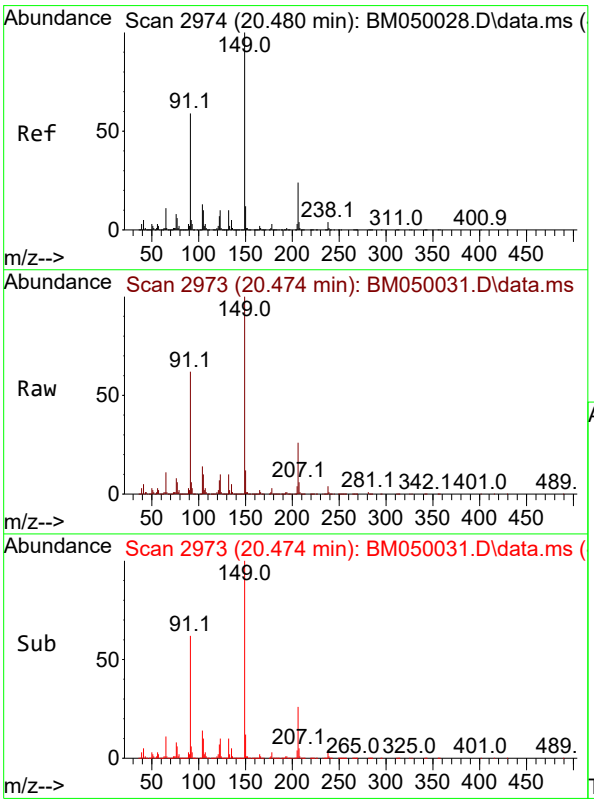
#79
Terphenyl-d14
Concen: 146.730 ng
RT: 19.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:244 Resp:11877110

Ion	Ratio	Lower	Upper
244	100		
212	8.6	5.6	8.4#
122	7.3	5.6	8.4

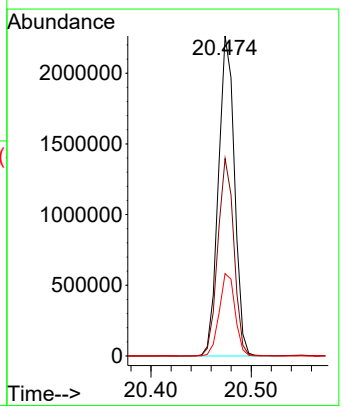


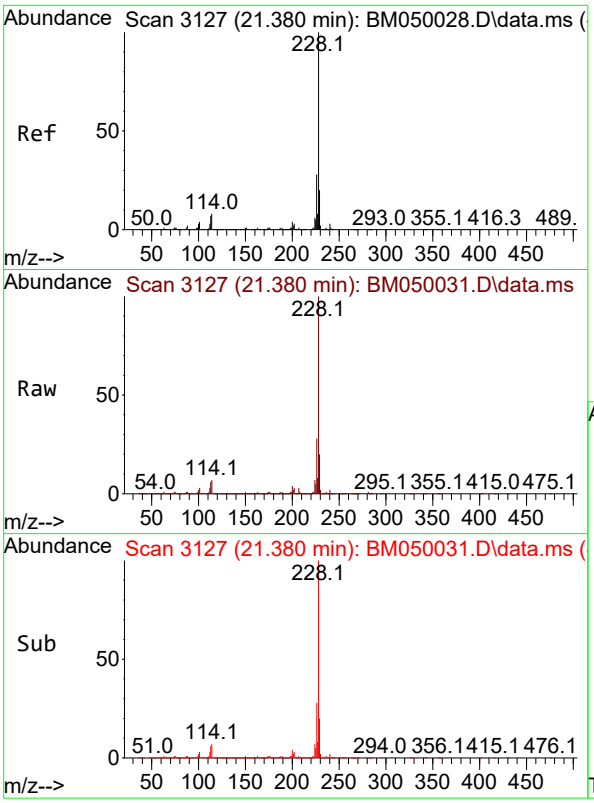


#80
Butylbenzylphthalate
Concen: 79.760 ng
RT: 20.474 min Scan# 2973
Delta R.T. -0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:149 Resp: 2512705

Ion	Ratio	Lower	Upper
149	100		
91	61.7	47.4	71.2
206	25.7	19.4	29.0



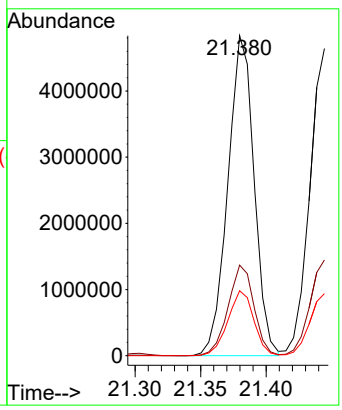


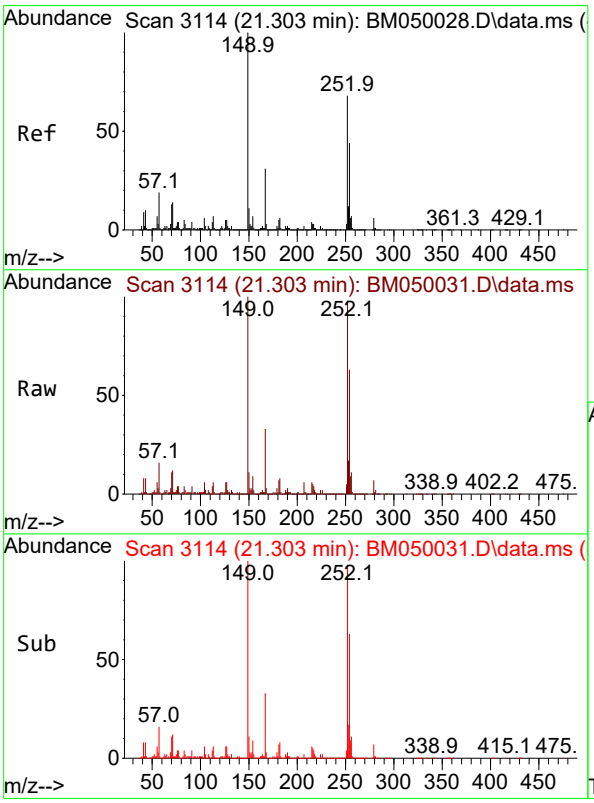
#81
Benzo(a)anthracene
Concen: 81.808 ng
RT: 21.380 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 6747718

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.1	33.1
229	20.3	15.7	23.5

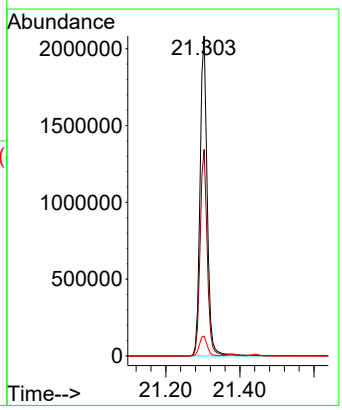


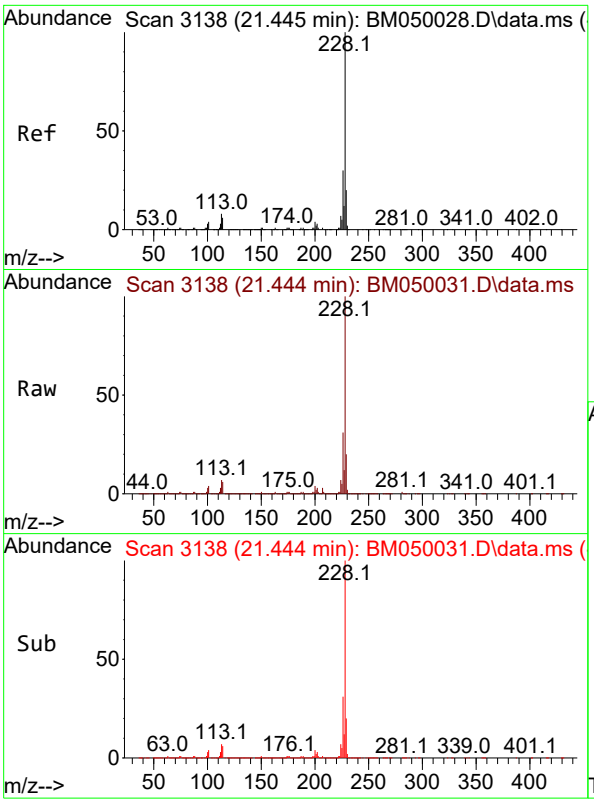


#82
3,3'-Dichlorobenzidine
Concen: 88.111 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:252 Resp: 2782107

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.8	77.6
126	6.2	6.0	9.0



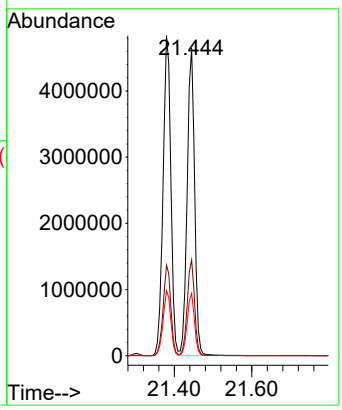


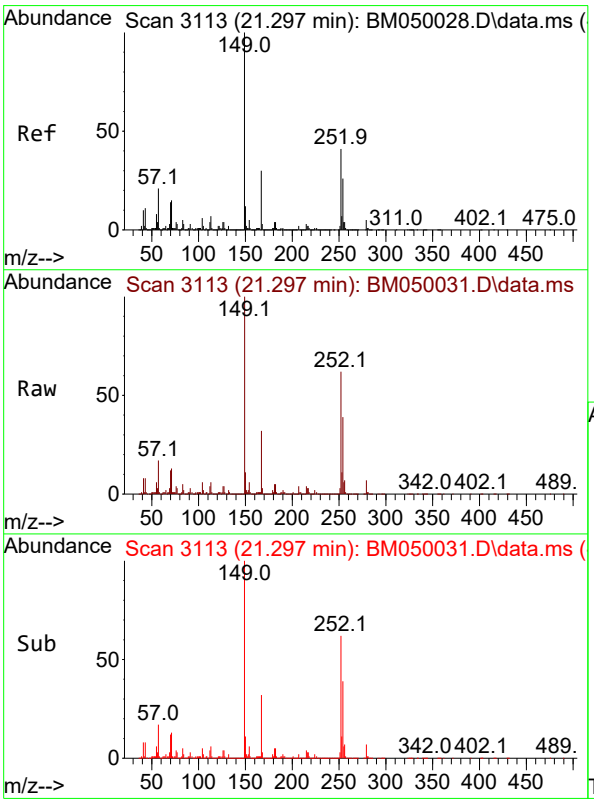
#83
Chrysene
Concen: 81.316 ng
RT: 21.444 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 6207632

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.2	36.2
229	20.2	15.7	23.5

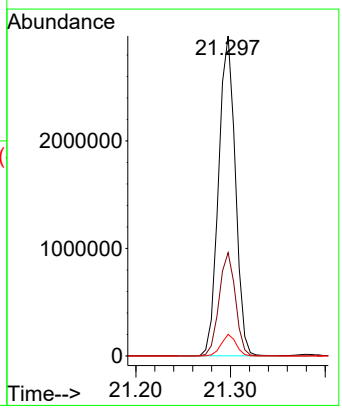


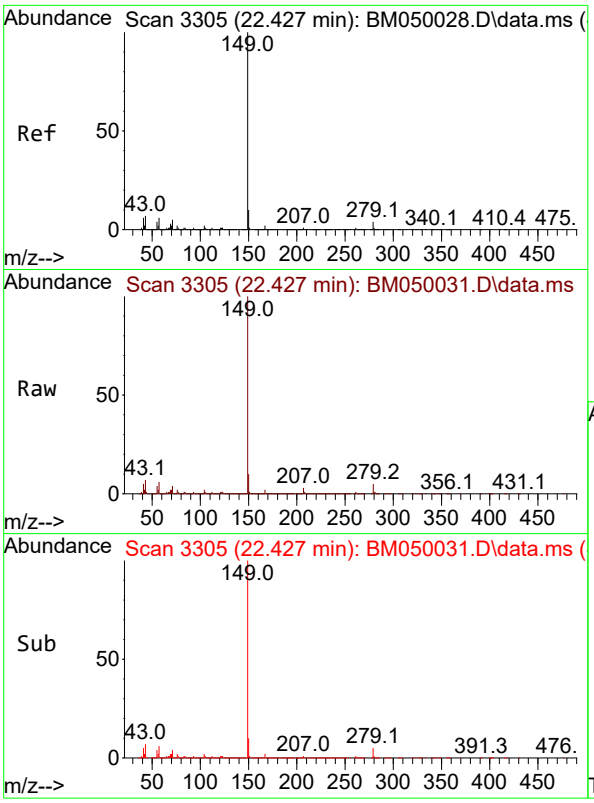


#84
Bis(2-ethylhexyl)phthalate
Concen: 77.905 ng
RT: 21.297 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:149 Resp: 3665836

Ion	Ratio	Lower	Upper
149	100		
167	32.3	24.1	36.1
279	6.7	3.9	5.9#



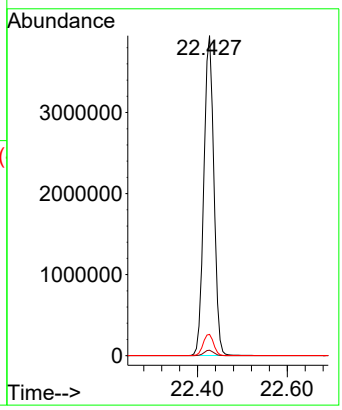


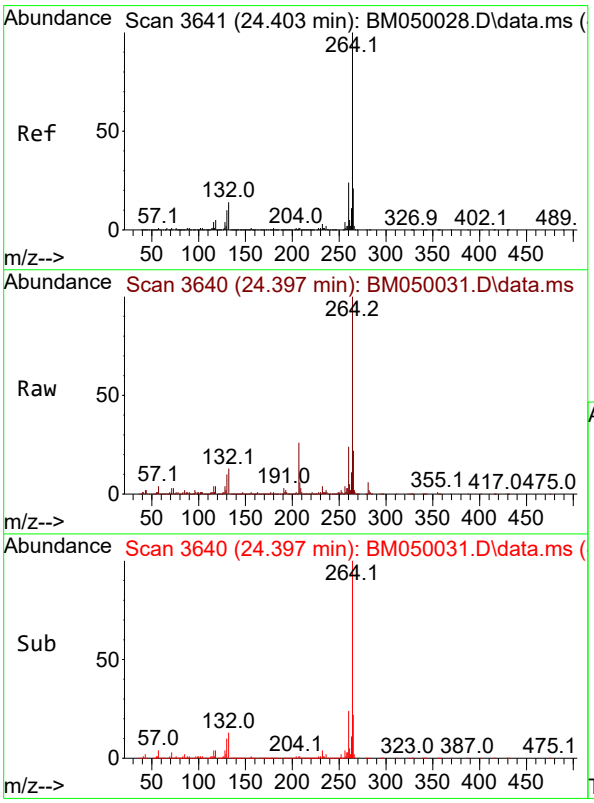
#85
Di-n-octyl phthalate
Concen: 78.732 ng
RT: 22.427 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 6109632

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	7.0	5.8	8.8

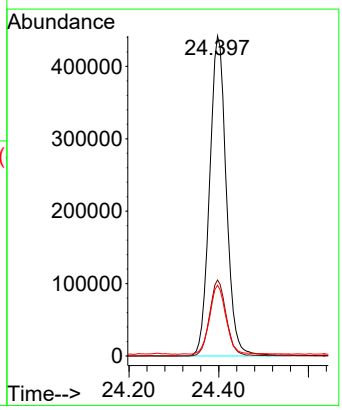


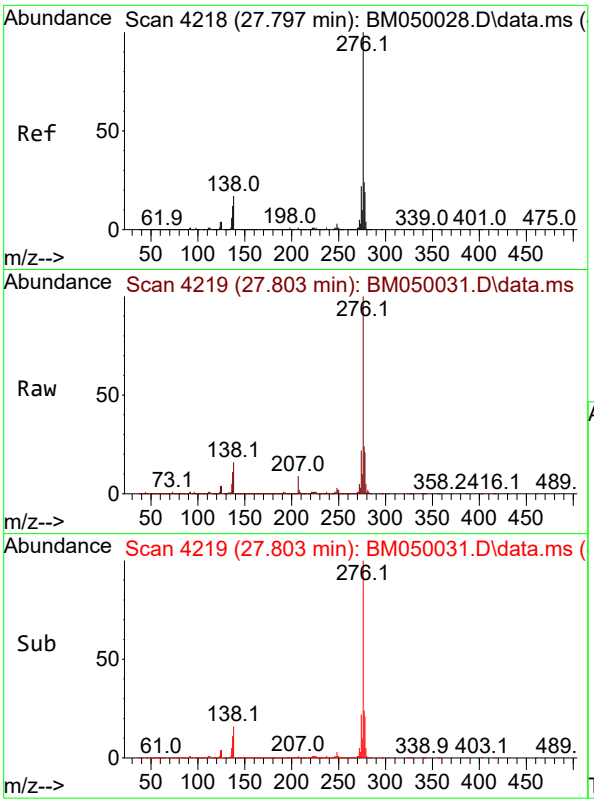


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:264 Resp: 1141905

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.8	28.2
265	22.1	17.0	25.4



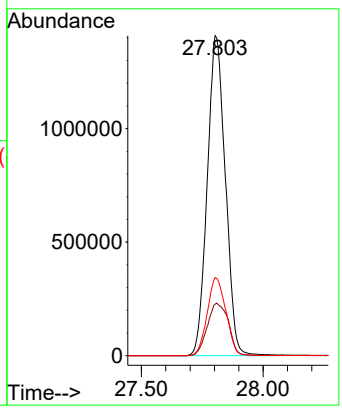


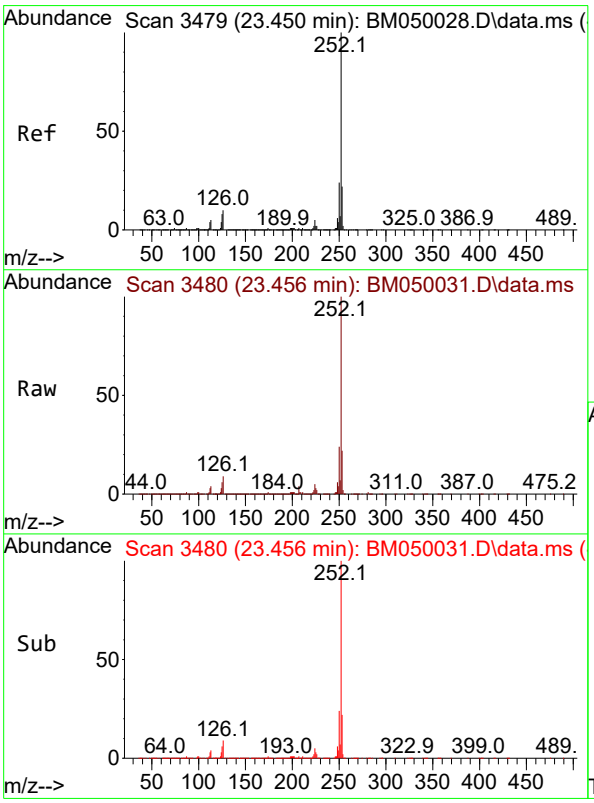
#87
Indeno(1,2,3-cd)pyrene
Concen: 85.629 ng
RT: 27.803 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 7285836

Ion	Ratio	Lower	Upper
276	100		
138	19.2	16.4	24.6
277	25.1	19.8	29.8

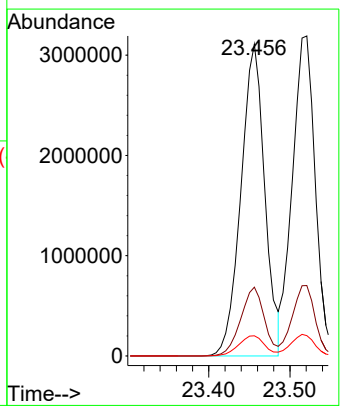


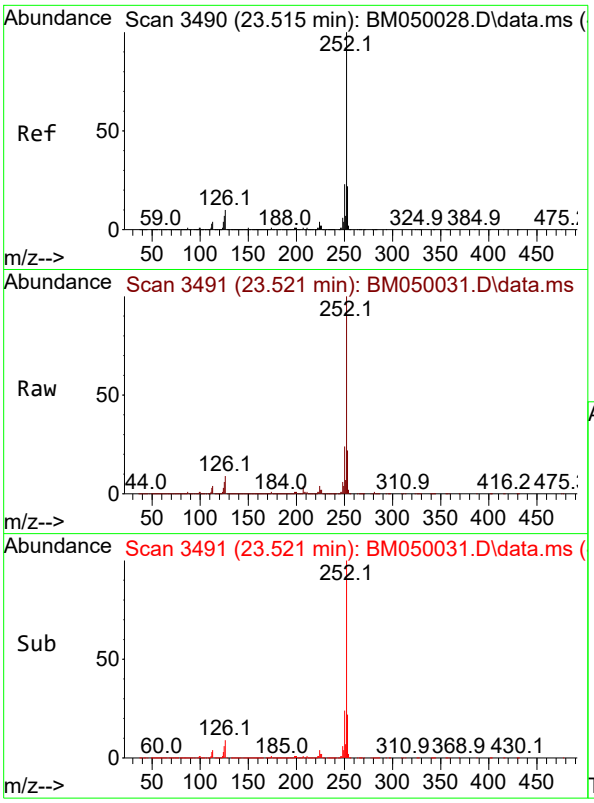


#88
Benzo(b)fluoranthene
Concen: 85.480 ng
RT: 23.456 min Scan# 3480
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:252 Resp: 6347901

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	6.5	6.1	9.1



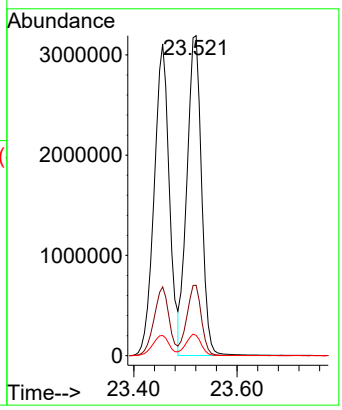


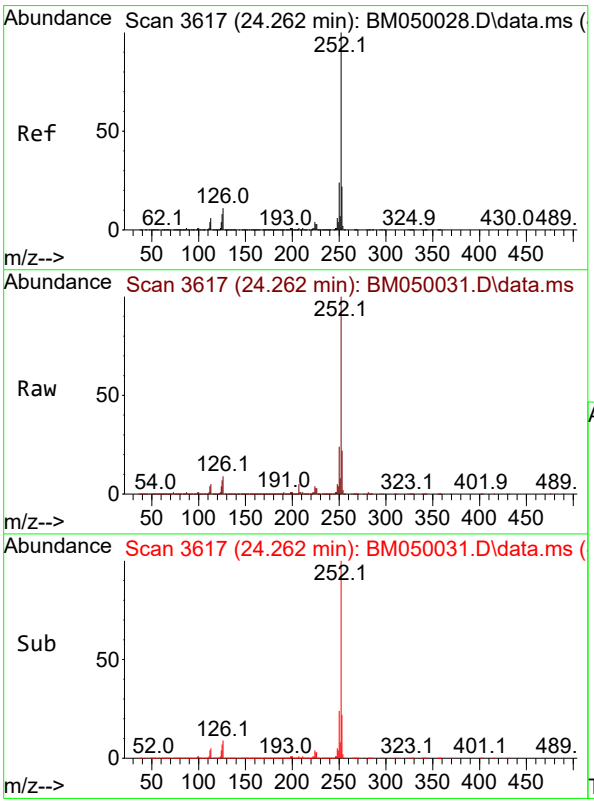
#89
Benzo(k)fluoranthene
Concen: 83.396 ng
RT: 23.521 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 6265924

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	6.4	5.8	8.8

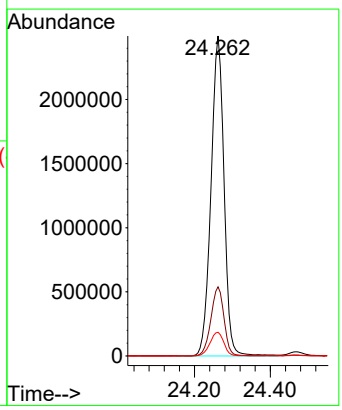


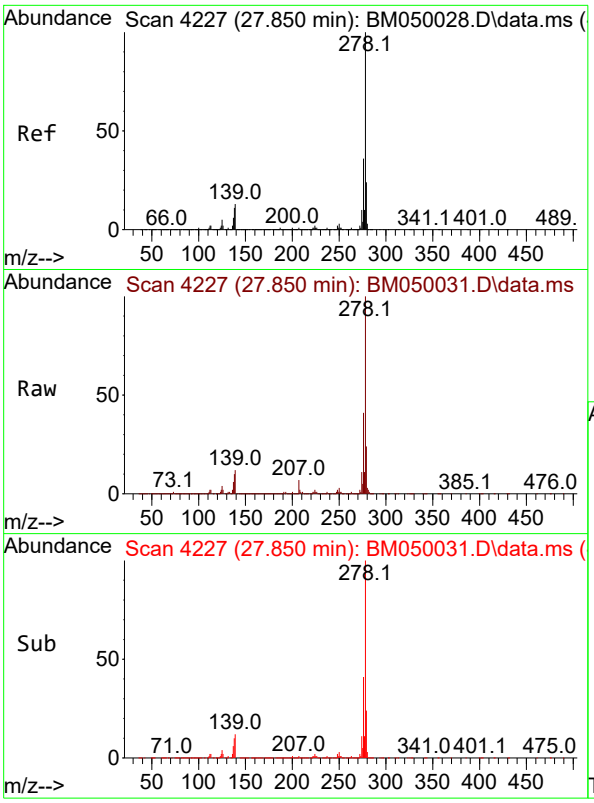


#90
Benzo(a)pyrene
Concen: 85.195 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:252 Resp: 5925652

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	7.4	6.6	9.8



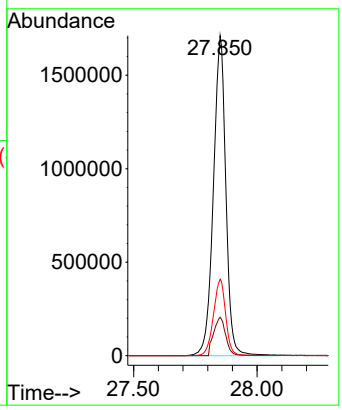


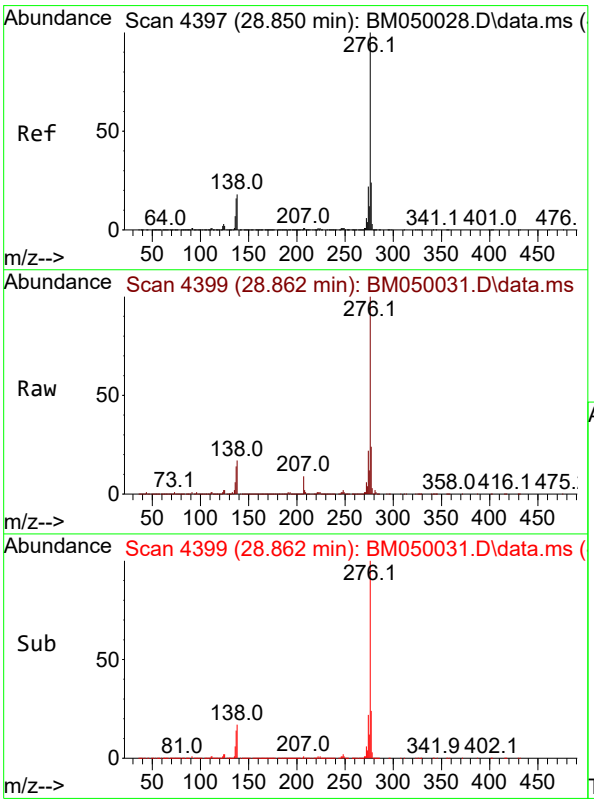
#91
Dibenzo(a,h)anthracene
Concen: 86.239 ng
RT: 27.850 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 5981478

Ion	Ratio	Lower	Upper
278	100		
139	12.0	10.5	15.7
279	23.9	19.4	29.0

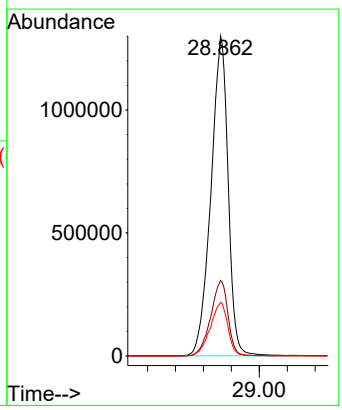




#92
Benzo(g,h,i)perylene
Concen: 83.395 ng
RT: 28.862 min Scan# 4399
Delta R.T. 0.012 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:276 Resp: 5537637

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.1	28.7
138	16.7	14.3	21.5



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050032.D
Acq On : 28 Apr 2025 17:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 18:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	230127	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	877692	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	605832	20.000	ng	0.00
64) Phenanthrene-d10	17.156	188	1251563	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1285998	20.000	ng	0.00
86) Perylene-d12	24.397	264	1266367	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1155553	87.928	ng	0.00
7) Phenol-d6	6.951	99	1488919	90.140	ng	0.00
23) Nitrobenzene-d5	8.928	82	1385703	77.798	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	810732	90.503	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	3905385	76.259	ng	0.00
79) Terphenyl-d14	19.780	244	6863055	78.970	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.257	88	253433	44.976	ng	99
3) Pyridine	3.657	79	673723	46.534	ng	98
4) n-Nitrosodimethylamine	3.569	42	260951	45.956	ng	99
6) Aniline	7.098	93	974989	46.744	ng	98
8) 2-Chlorophenol	7.339	128	649705	45.724	ng	99
9) Benzaldehyde	6.910	77	485673m	43.937	ng	
10) Phenol	6.981	94	784469	46.913	ng	98
11) bis(2-Chloroethyl)ether	7.192	93	635601	45.521	ng	98
12) 1,3-Dichlorobenzene	7.657	146	766772	44.672	ng	99
13) 1,4-Dichlorobenzene	7.804	146	774954	44.941	ng	100
14) 1,2-Dichlorobenzene	8.122	146	752460	45.174	ng	100
15) Benzyl Alcohol	8.016	79	551757	48.167	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.298	45	762583	44.929	ng	99
17) 2-Methylphenol	8.222	107	519426	47.153	ng	99
18) Hexachloroethane	8.845	117	274239	44.738	ng	99
19) n-Nitroso-di-n-propyla...	8.575	70	507362	47.892	ng	99
20) 3+4-Methylphenols	8.551	107	713683	47.974	ng	97
22) Acetophenone	8.592	105	985275	45.153	ng	100
24) Nitrobenzene	8.969	77	694640	45.104	ng	99
25) Isophorone	9.498	82	1384372	45.596	ng	99
26) 2-Nitrophenol	9.681	139	370477	47.087	ng	99
27) 2,4-Dimethylphenol	9.751	122	605475	46.404	ng	100
28) bis(2-Chloroethoxy)met...	9.975	93	842968	44.920	ng	100
29) 2,4-Dichlorophenol	10.228	162	677885	46.375	ng	99
30) 1,2,4-Trichlorobenzene	10.428	180	789816	44.348	ng	100
31) Naphthalene	10.610	128	1984698	44.651	ng	100
32) Benzoic acid	9.916	122	384400	46.063	ng	98
33) 4-Chloroaniline	10.727	127	863111	47.375	ng	99
34) Hexachlorobutadiene	10.898	225	497792	44.034	ng	99
35) Caprolactam	11.522	113	198108	46.481	ng	95
36) 4-Chloro-3-methylphenol	11.869	107	632365	46.825	ng	100
37) 2-Methylnaphthalene	12.227	142	1352170	45.374	ng	100
38) 1-Methylnaphthalene	12.445	142	1425407	45.198	ng	100
40) 1,2,4,5-Tetrachloroben...	12.598	216	925725	44.140	ng	100
41) Hexachlorocyclopentadiene	12.574	237	568717	44.374	ng	99
43) 2,4,6-Trichlorophenol	12.851	196	613142	46.094	ng	97

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050032.D
Acq On : 28 Apr 2025 17:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 18:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	663718	46.271	ng	99
46) 1,1'-Biphenyl	13.239	154	1990852	44.207	ng	99
47) 2-Chloronaphthalene	13.286	162	1593769	44.684	ng	100
48) 2-Nitroaniline	13.498	65	398645	47.621	ng	99
49) Acenaphthylene	14.133	152	2548342	45.315	ng	100
50) Dimethylphthalate	13.868	163	2007342	45.338	ng	100
51) 2,6-Dinitrotoluene	13.992	165	435925	47.554	ng	98
52) Acenaphthene	14.474	154	1471672	45.210	ng	100
53) 3-Nitroaniline	14.327	138	427464	48.843	ng	99
54) 2,4-Dinitrophenol	14.545	184	249307	45.189	ng	98
55) Dibenzofuran	14.810	168	2427830	44.828	ng	99
56) 4-Nitrophenol	14.663	139	313065	46.012	ng	99
57) 2,4-Dinitrotoluene	14.786	165	611943	48.311	ng	97
58) Fluorene	15.462	166	2044284	46.115	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.045	232	583198	46.970	ng	98
60) Diethylphthalate	15.233	149	1889827	45.299	ng	99
61) 4-Chlorophenyl-phenyle...	15.457	204	1118837	45.950	ng	99
62) 4-Nitroaniline	15.492	138	427339	50.610	ng	100
63) Azobenzene	15.745	77	1599489	45.747	ng	100
65) 4,6-Dinitro-2-methylph...	15.557	198	367586	46.920	ng	97
66) n-Nitrosodiphenylamine	15.668	169	1709666	44.485	ng	100
67) 4-Bromophenyl-phenylether	16.345	248	665088	43.944	ng	97
68) Hexachlorobenzene	16.468	284	770651	44.174	ng	98
69) Atrazine	16.627	200	616670	44.483	ng	99
70) Pentachlorophenol	16.821	266	452303	46.059	ng	99
71) Phenanthrene	17.198	178	3169143	44.895	ng	99
72) Anthracene	17.292	178	3241829	45.381	ng	100
73) Carbazole	17.562	167	2851516	46.001	ng	100
74) Di-n-butylphthalate	18.121	149	3370238	45.654	ng	100
75) Fluoranthene	19.215	202	3895046	46.998	ng	100
77) Benzidine	19.403	184	2019202	44.204	ng	100
78) Pyrene	19.580	202	3992384	44.209	ng	100
80) Butylbenzylphthalate	20.474	149	1512498	44.718	ng	96
81) Benzo(a)anthracene	21.380	228	4029064	45.497	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	1487254	43.871	ng	98
83) Chrysene	21.439	228	3685603	44.967	ng	99
84) Bis(2-ethylhexyl)phtha...	21.297	149	2284769	45.224	ng	99
85) Di-n-octyl phthalate	22.427	149	3747091	44.974	ng	100
87) Indeno(1,2,3-cd)pyrene	27.791	276	4364032	46.249	ng	99
88) Benzo(b)fluoranthene	23.450	252	3711451	45.066	ng	100
89) Benzo(k)fluoranthene	23.515	252	3813739	45.780	ng	100
90) Benzo(a)pyrene	24.262	252	3515582	45.577	ng	100
91) Dibenzo(a,h)anthracene	27.838	278	3545295	46.091	ng	100
92) Benzo(g,h,i)perylene	28.850	276	3345997	45.437	ng	100

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

ICAL Form

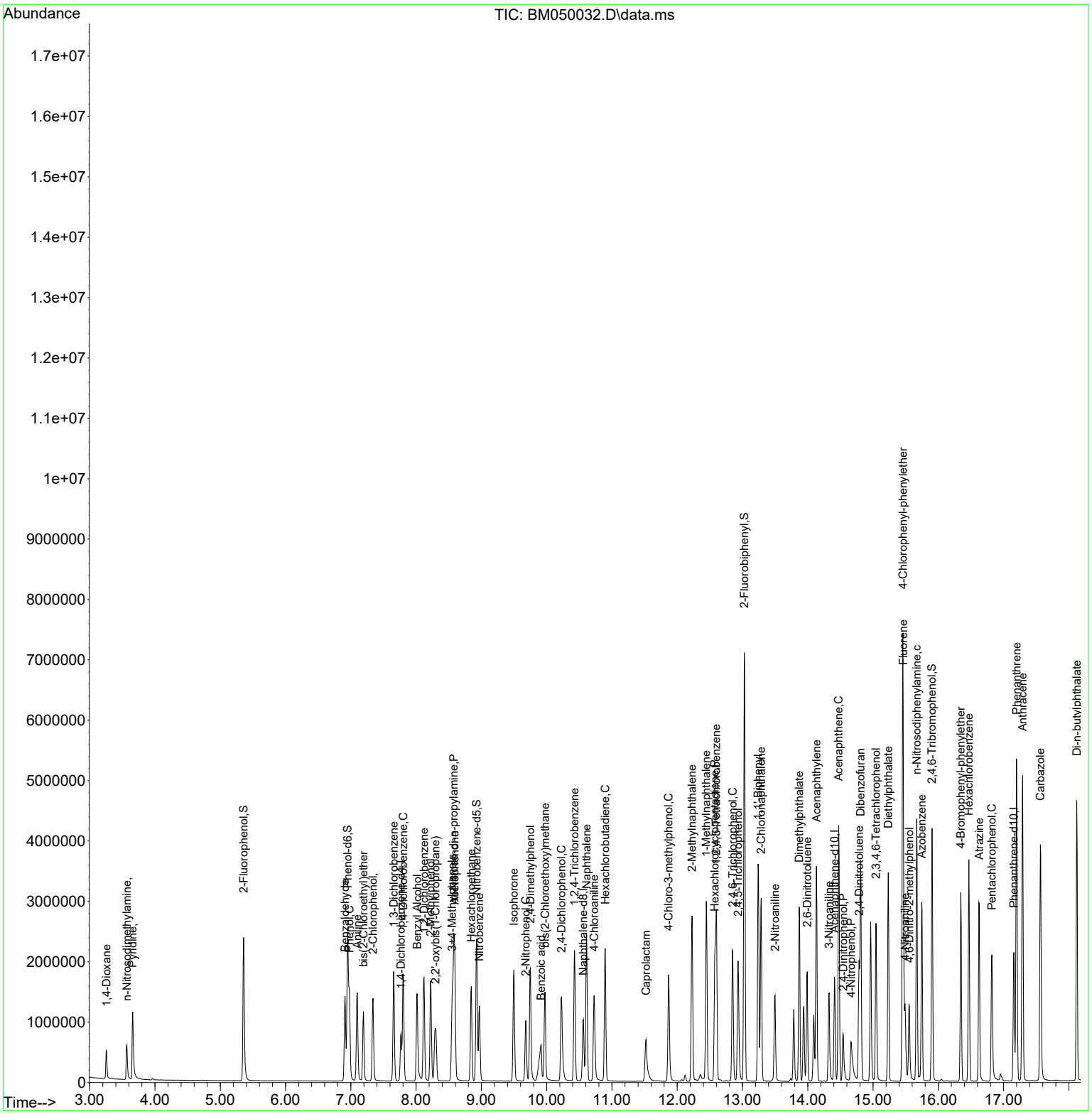
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050032.D
Acq On : 28 Apr 2025 17:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 28 18:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



ICAL Form

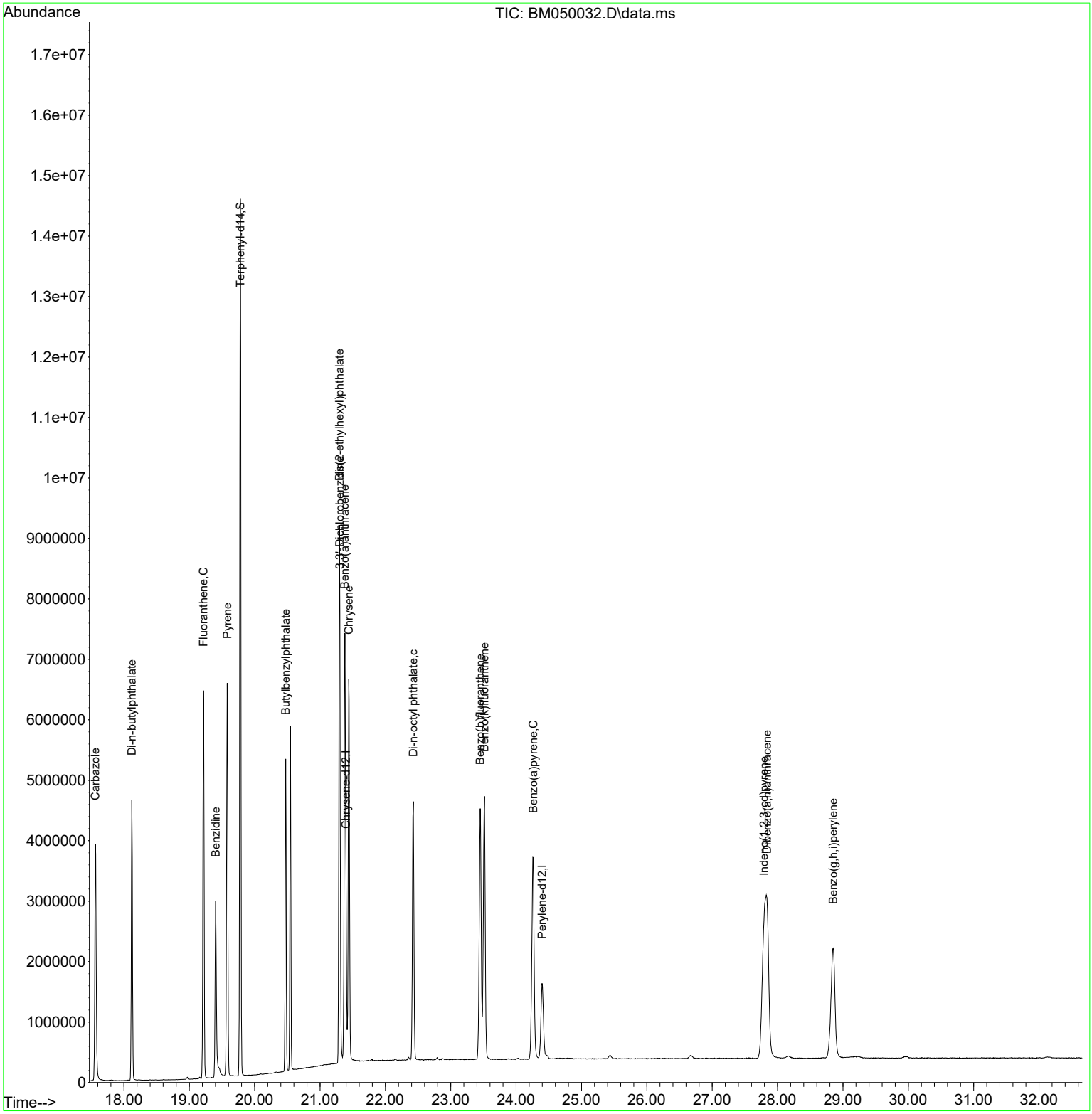
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050032.D
Acq On : 28 Apr 2025 17:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

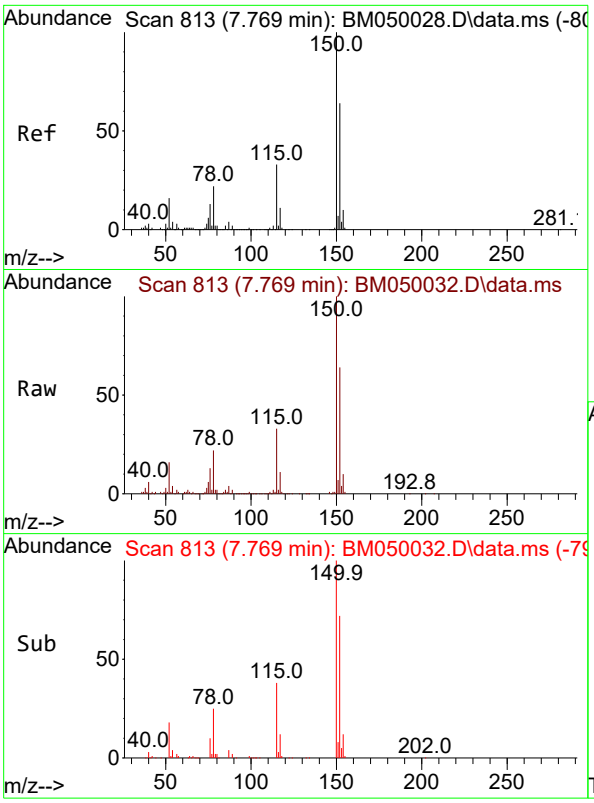
Quant Time: Apr 28 18:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

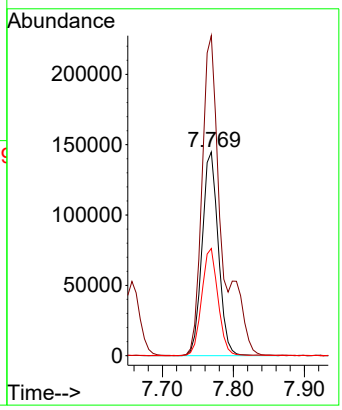




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:152 Resp: 23012

Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.1	186.1
115	52.6	41.2	61.8



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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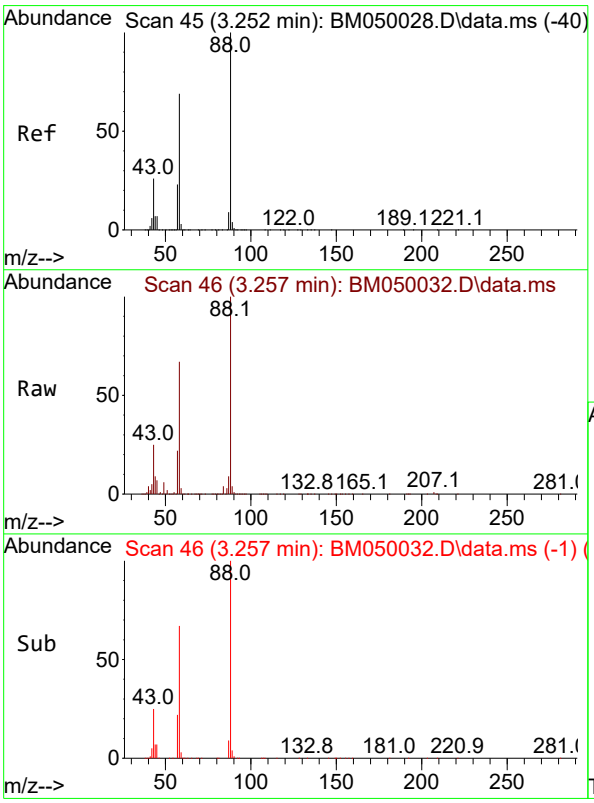
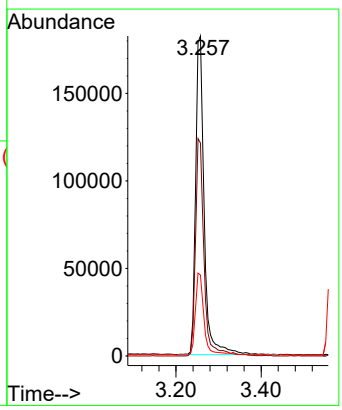
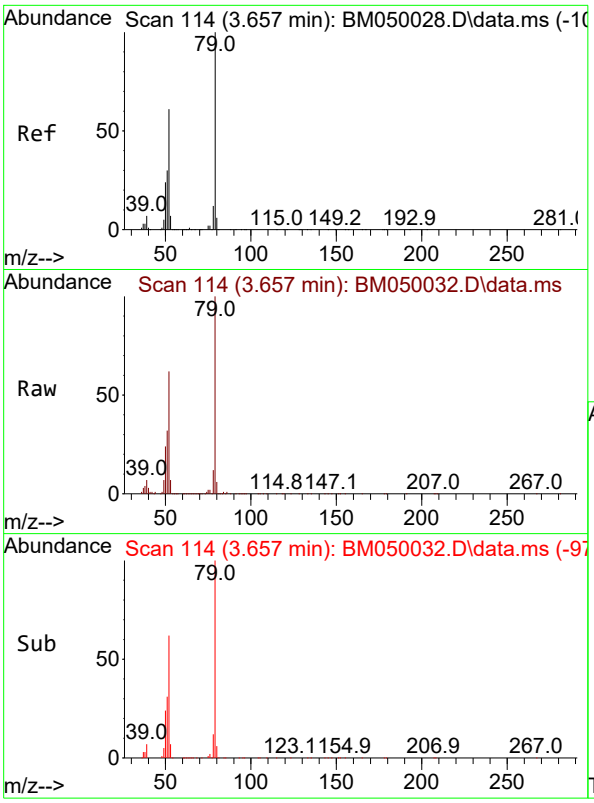


#2
1,4-Dioxane
Concen: 44.976 ng
RT: 3.257 min Scan# 46
Delta R.T. 0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 88 Resp: 253433

Ion	Ratio	Lower	Upper
88	100		
58	67.9	55.1	82.7
43	25.9	20.9	31.3

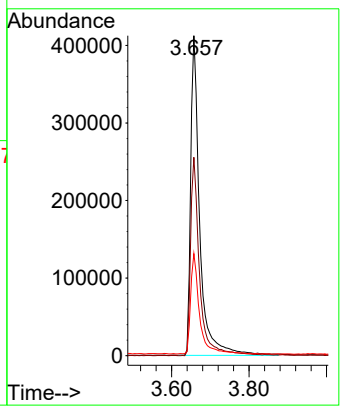




#3
Pyridine
Concen: 46.534 ng
RT: 3.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 79 Resp: 67372

Ion	Ratio	Lower	Upper
79	100		
52	62.0	48.6	72.8
51	31.9	24.6	37.0



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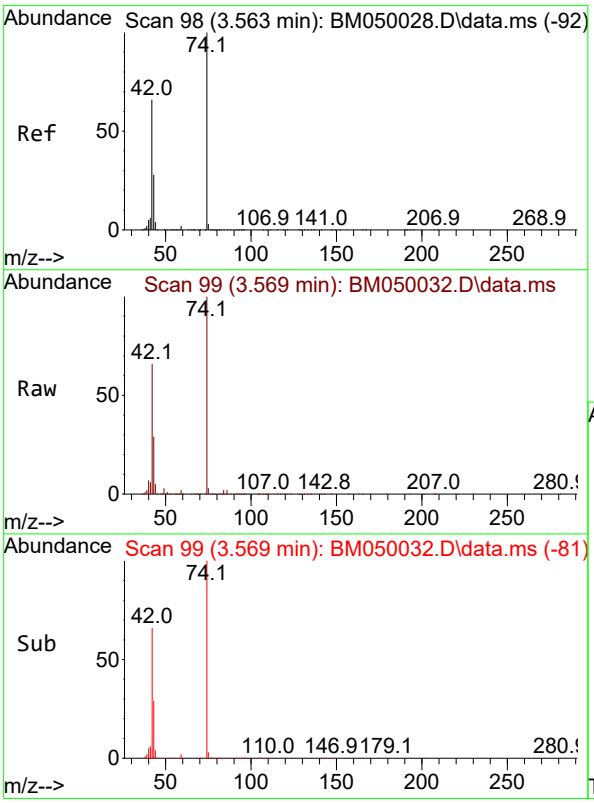
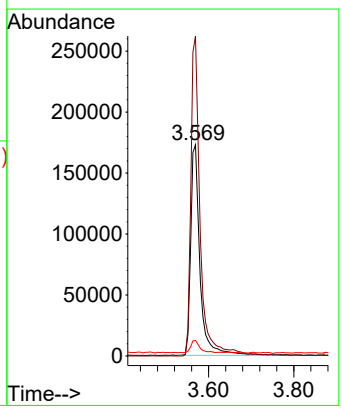
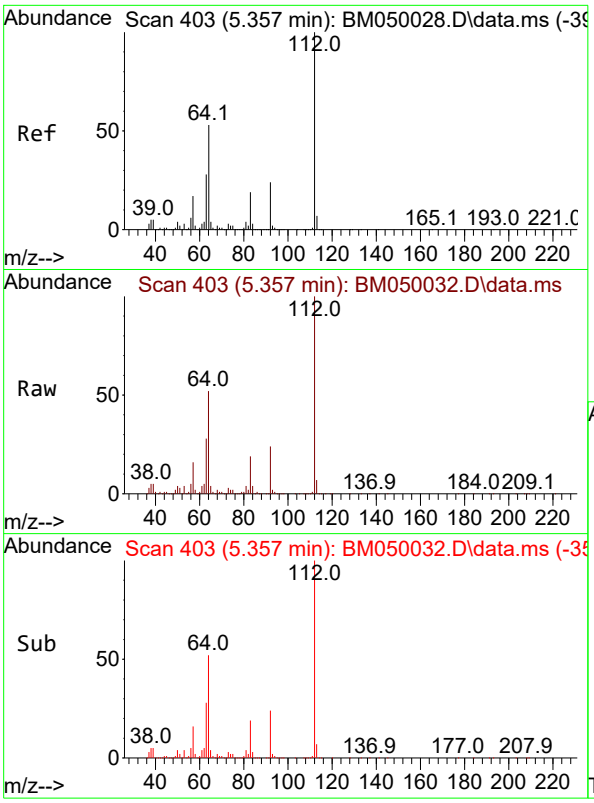


#4
n-Nitrosodimethylamine
Concen: 45.956 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 42 Resp: 260951

Ion	Ratio	Lower	Upper
42	100		
74	151.5	120.2	180.2
44	7.3	6.2	9.2

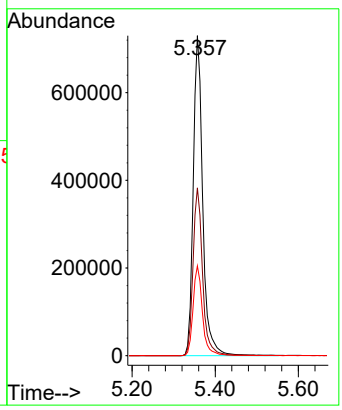




#5
2-Fluorophenol
Concen: 87.928 ng
RT: 5.357 min Scan# 40
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:112 Resp: 115555

Ion	Ratio	Lower	Upper
112	100		
64	52.4	42.6	64.0
63	28.0	22.2	33.4



Instrument :
BNA_M
ClientSampleId :
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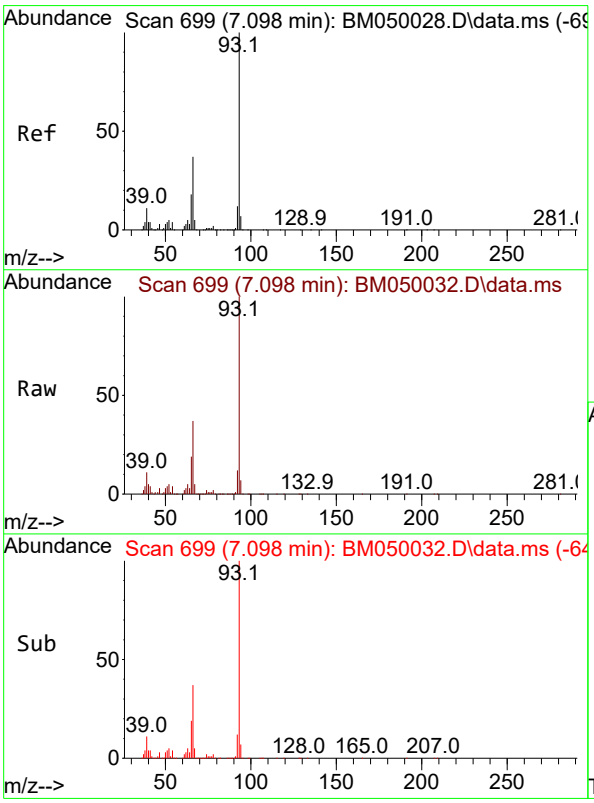
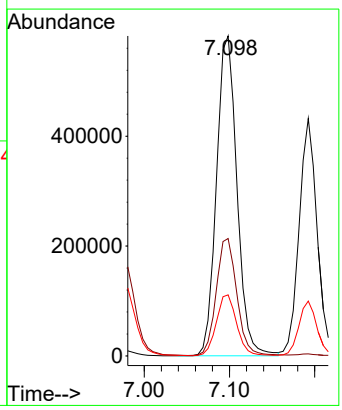
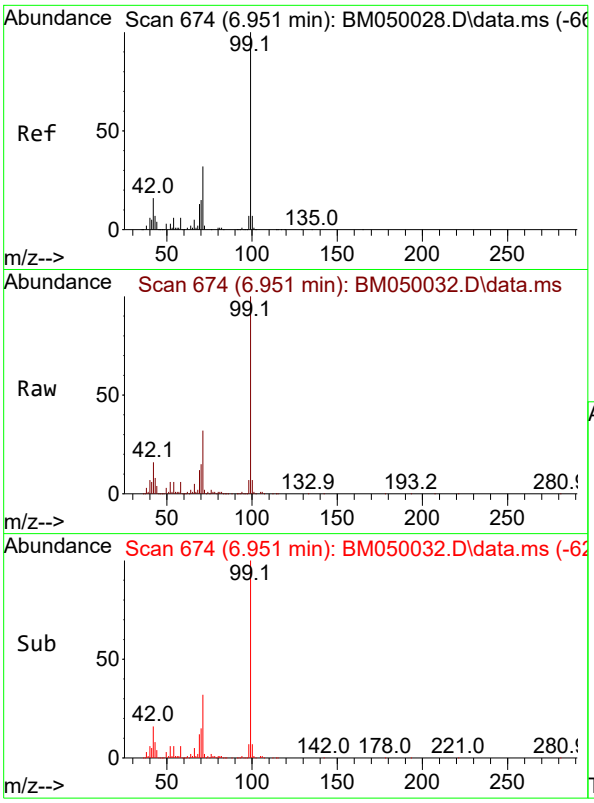


#6
Aniline
Concen: 46.744 ng
RT: 7.098 min Scan# 699
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 93 Resp: 974989

Ion	Ratio	Lower	Upper
93	100		
66	36.7	29.9	44.9
65	19.1	14.5	21.7

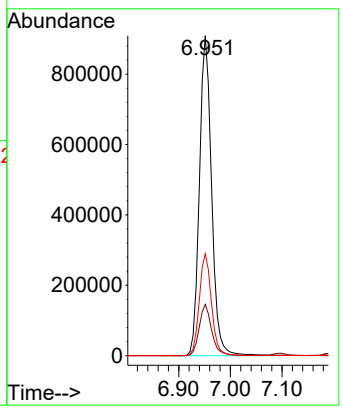




#7
Phenol-d6
Concen: 90.140 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 99 Resp: 148891

Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.0	19.4
71	31.9	25.6	38.4



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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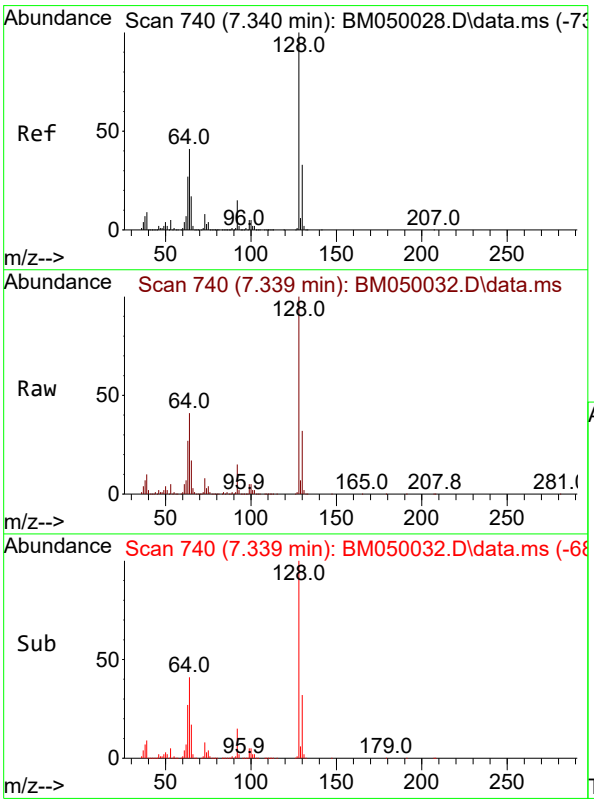
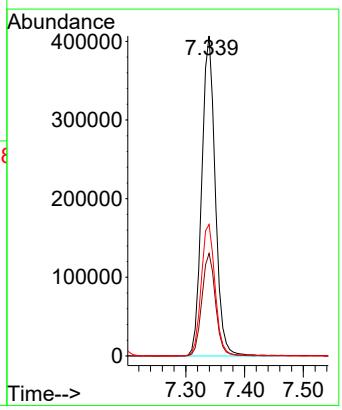
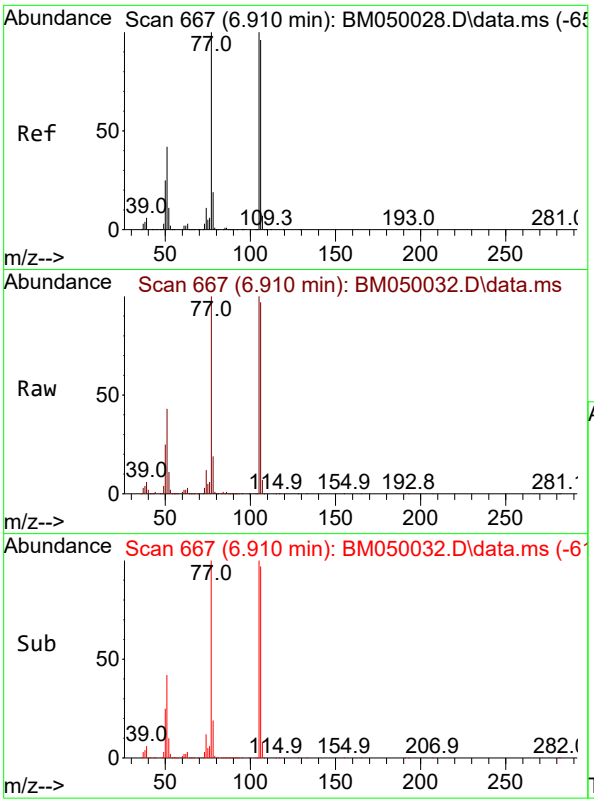


#8
2-Chlorophenol
Concen: 45.724 ng
RT: 7.339 min Scan# 740
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:128 Resp: 649705

Ion	Ratio	Lower	Upper
128	100		
130	32.0	12.8	52.8
64	41.1	21.2	61.2

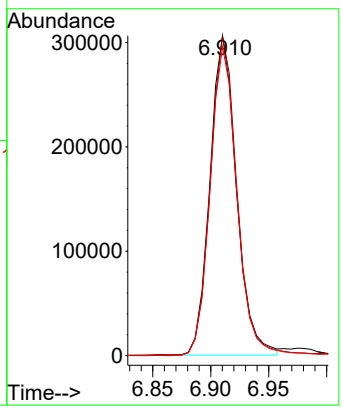




#9
Benzaldehyde
Concen: 43.937 ng m
RT: 6.910 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 77 Resp: 48567

Ion	Ratio	Lower	Upper
77	100		
105	99.8	80.5	120.5
106	96.6	76.1	116.1



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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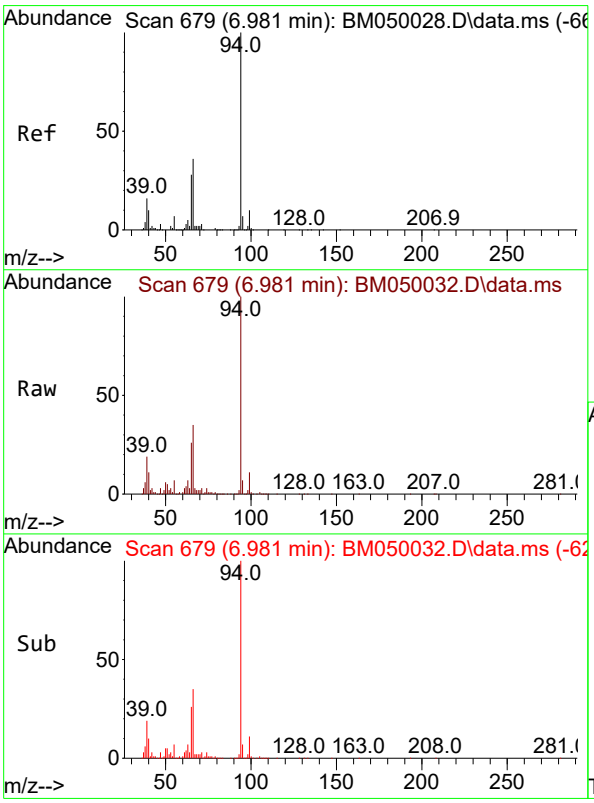
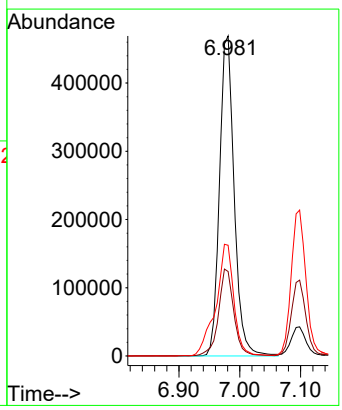
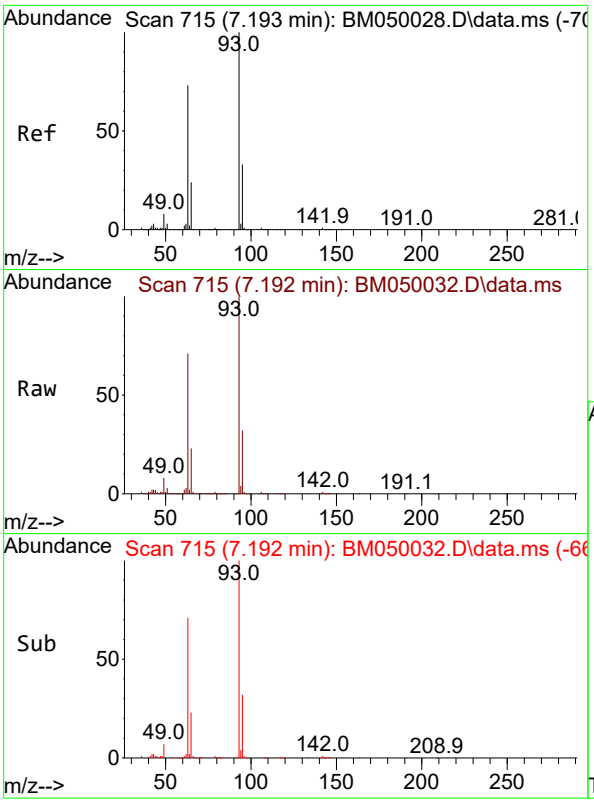


#10
Phenol
Concen: 46.913 ng
RT: 6.981 min Scan# 679
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 94 Resp: 784469

Ion	Ratio	Lower	Upper
94	100		
65	26.4	7.6	47.6
66	34.6	15.8	55.8

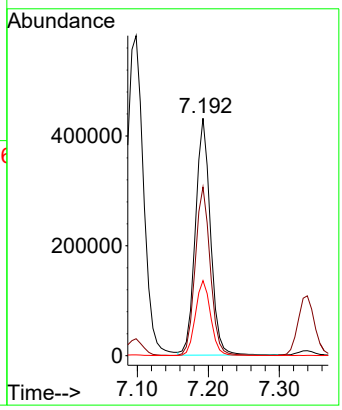




#11
bis(2-Chloroethyl)ether
Concen: 45.521 ng
RT: 7.192 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 93 Resp: 63560

Ion	Ratio	Lower	Upper
93	100		
63	71.0	52.3	92.3
95	31.6	12.8	52.8



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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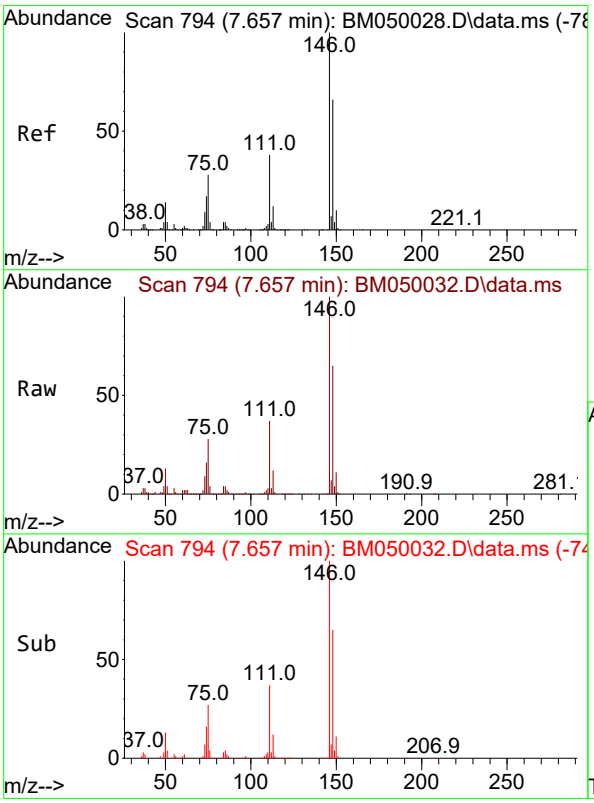
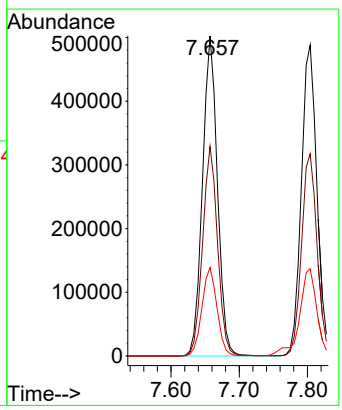
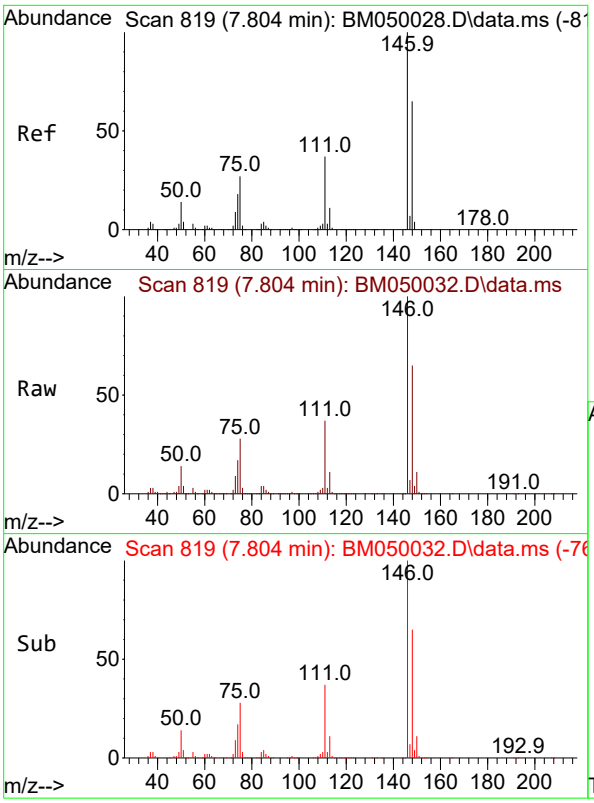


#12
1,3-Dichlorobenzene
Concen: 44.672 ng
RT: 7.657 min Scan# 794
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:146 Resp: 766772

Ion	Ratio	Lower	Upper
146	100		
148	65.4	52.5	78.7
75	27.6	22.6	34.0

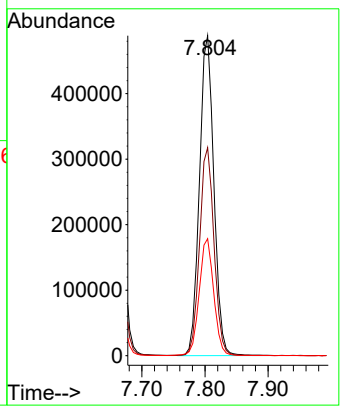




#13
1,4-Dichlorobenzene
Concen: 44.941 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:146 Resp: 77495

Ion	Ratio	Lower	Upper
146	100		
148	65.0	52.2	78.2
111	36.6	29.3	43.9



Instrument :
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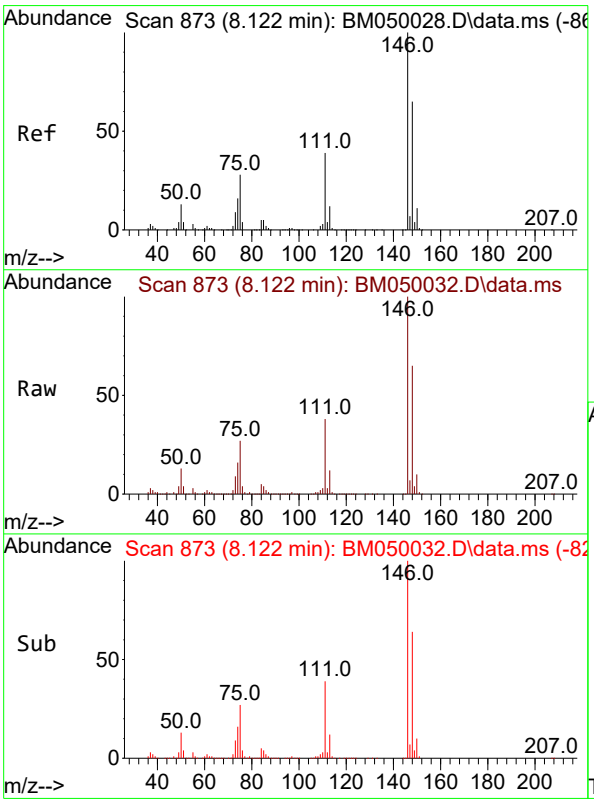
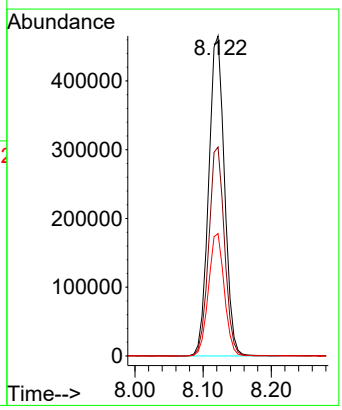
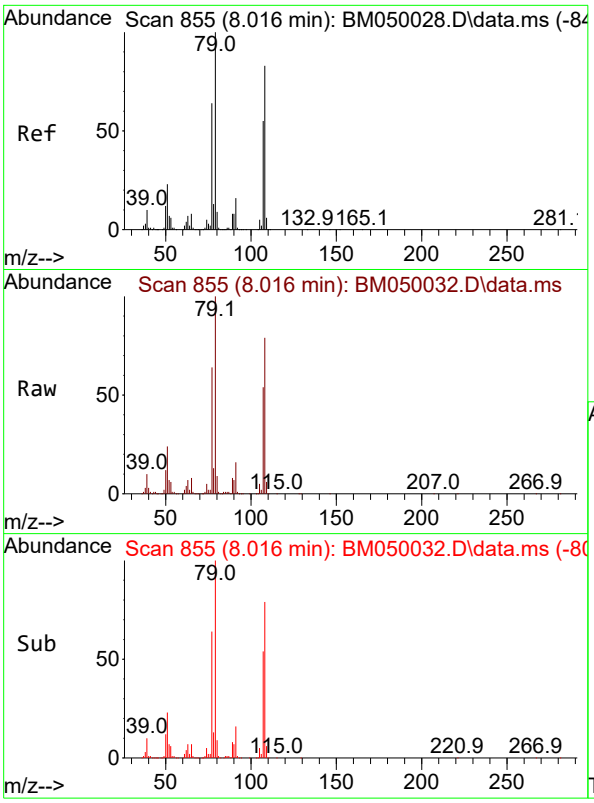


#14
1,2-Dichlorobenzene
Concen: 45.174 ng
RT: 8.122 min Scan# 873
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:146 Resp: 752460

Ion	Ratio	Lower	Upper
146	100		
148	65.3	52.4	78.6
111	38.3	31.0	46.6





#15
Benzyl Alcohol
Concen: 48.167 ng
RT: 8.016 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 79 Resp: 55175

Ion	Ratio	Lower	Upper
79	100		
108	79.4	66.0	99.0
77	64.4	51.6	77.4

Instrument :
BNA_M
ClientSampleId :
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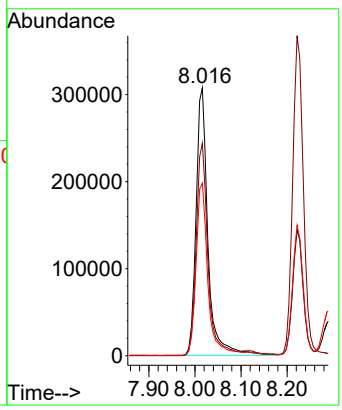
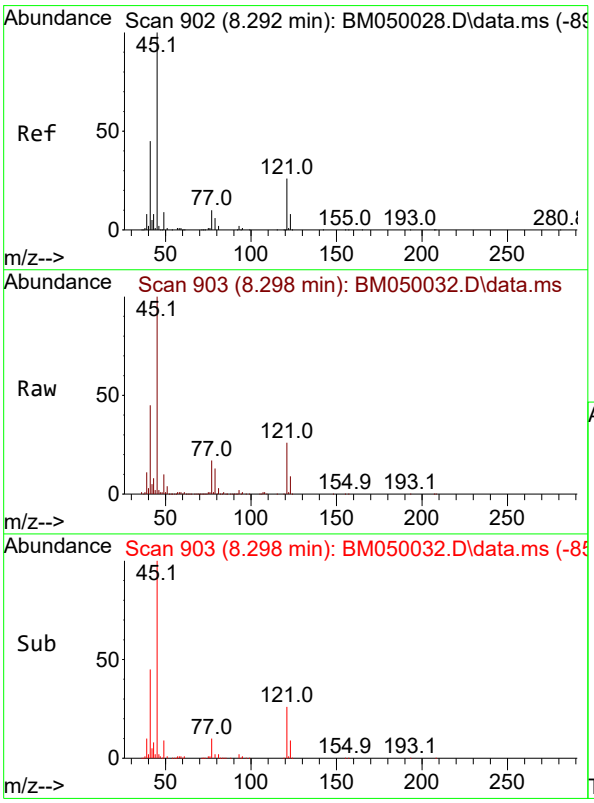
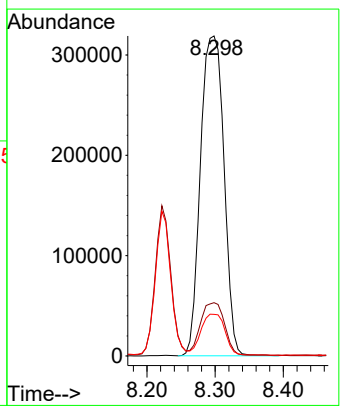


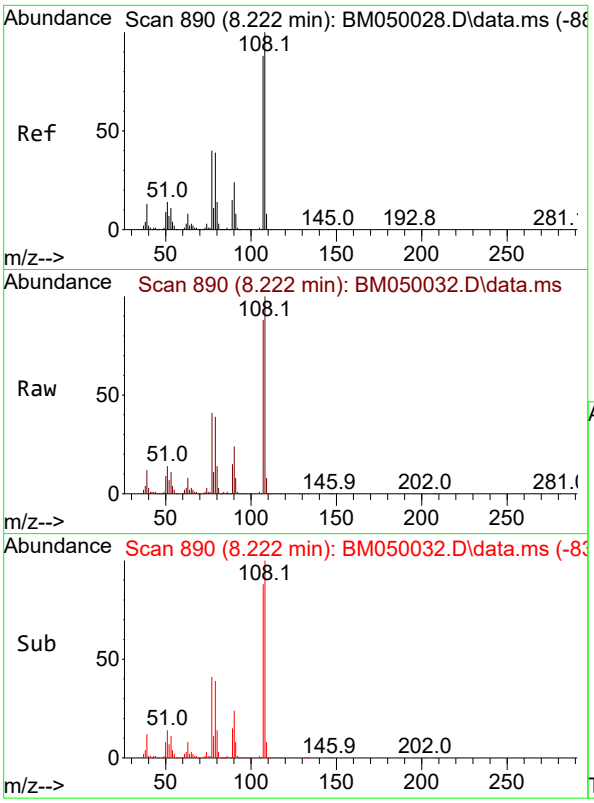


#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.929 ng
RT: 8.298 min Scan# 903
Delta R.T. 0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 45 Resp: 762583

Ion	Ratio	Lower	Upper
45	100		
77	16.7	0.0	36.4
79	13.0	0.0	32.7

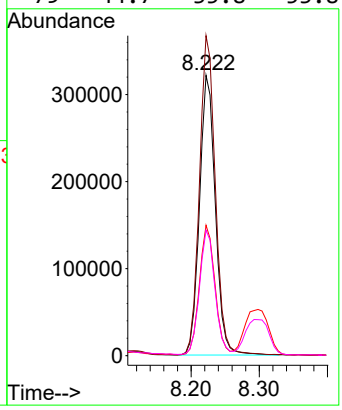




#17
2-Methylphenol
Concen: 47.153 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:107 Resp: 51942

Ion	Ratio	Lower	Upper
107	100		
108	114.1	91.1	136.7
77	46.5	36.2	54.4
79	44.7	35.8	53.8



Instrument :
BNA_M
ClientSampleId :
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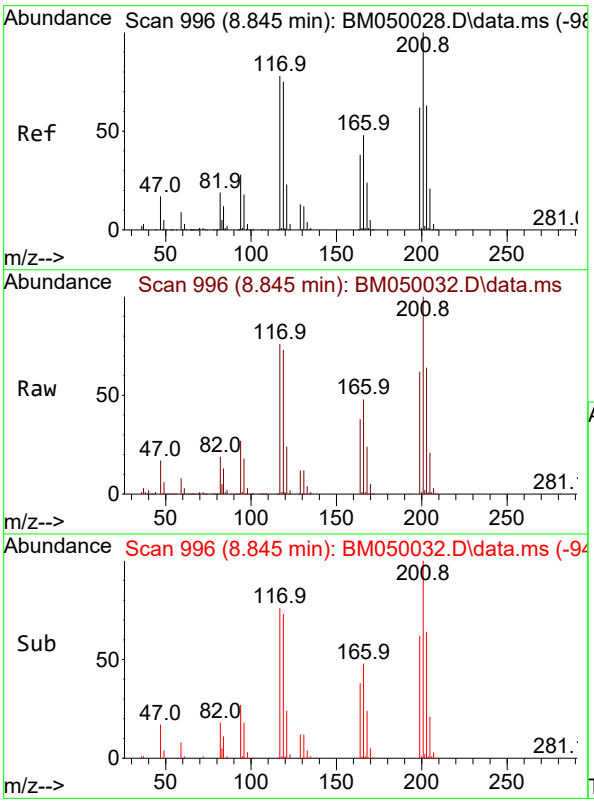
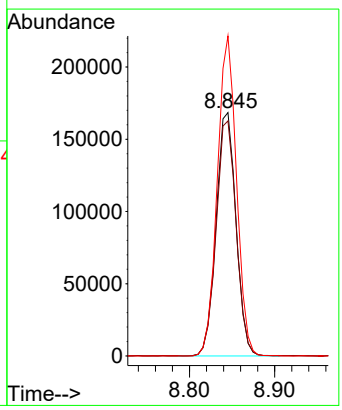
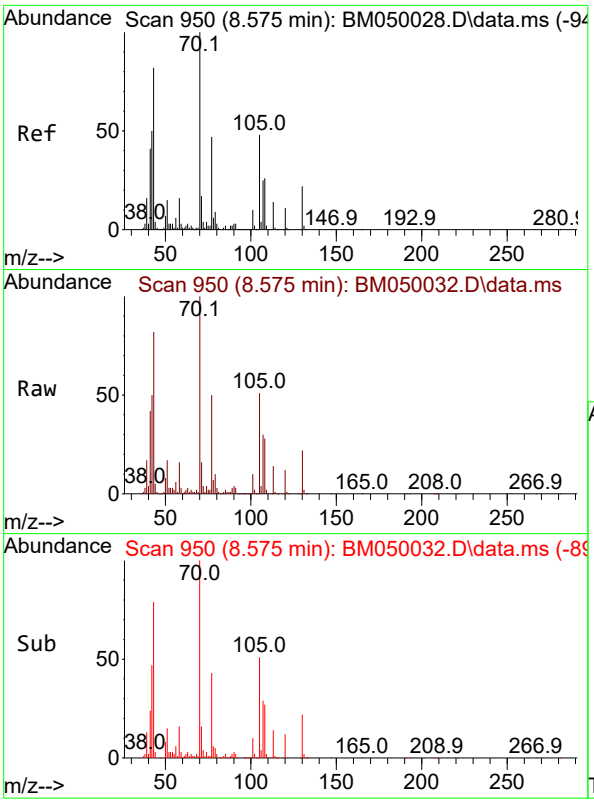


#18
Hexachloroethane
Concen: 44.738 ng
RT: 8.845 min Scan# 996
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:117 Resp: 274239

Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.3	115.9
201	131.4	102.8	154.2

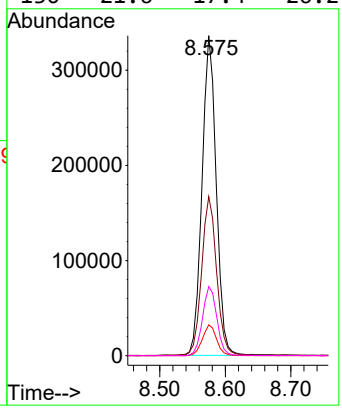




#19
n-Nitroso-di-n-propylamine
Concen: 47.892 ng
RT: 8.575 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 70 Resp: 50736

Ion	Ratio	Lower	Upper
70	100		
42	49.7	40.5	60.7
101	9.7	7.8	11.6
130	21.6	17.4	26.2



Instrument :
BNA_M
ClientSampleId :
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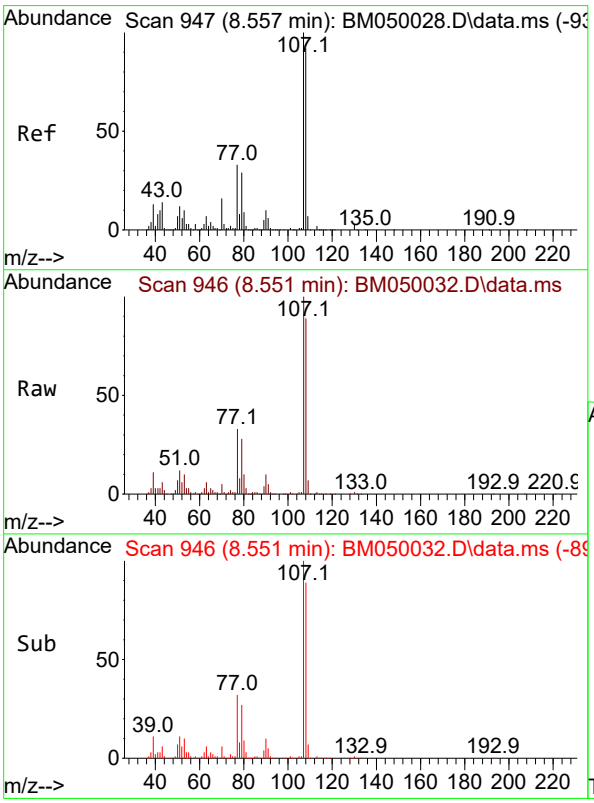
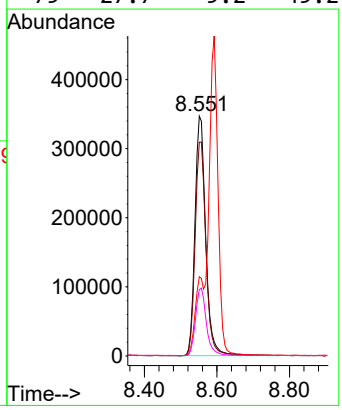
Supervised By :Jagrut Upadhyay 04/29/2025

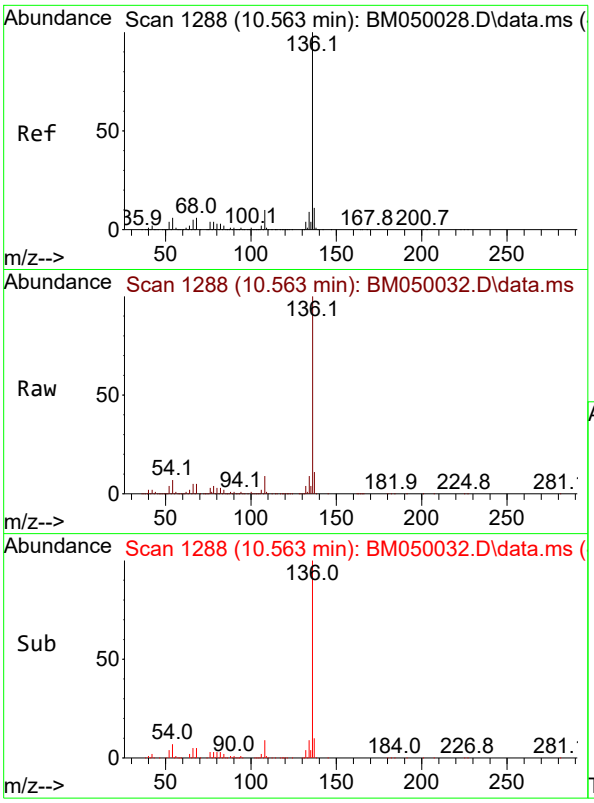


#20
3+4-Methylphenols
Concen: 47.974 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:107 Resp: 713683

Ion	Ratio	Lower	Upper
107	100		
108	89.1	72.4	112.4
77	33.0	13.6	53.6
79	27.7	9.2	49.2

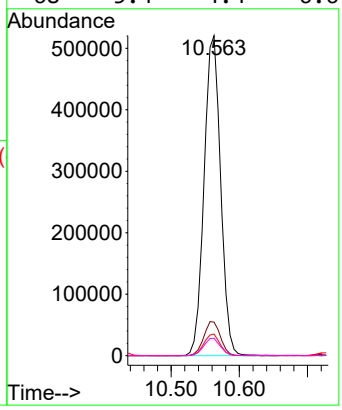




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:136 Resp: 87769

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	6.7	5.1	7.7
68	5.4	4.4	6.6



Instrument :
BNA_M
ClientSampleId :
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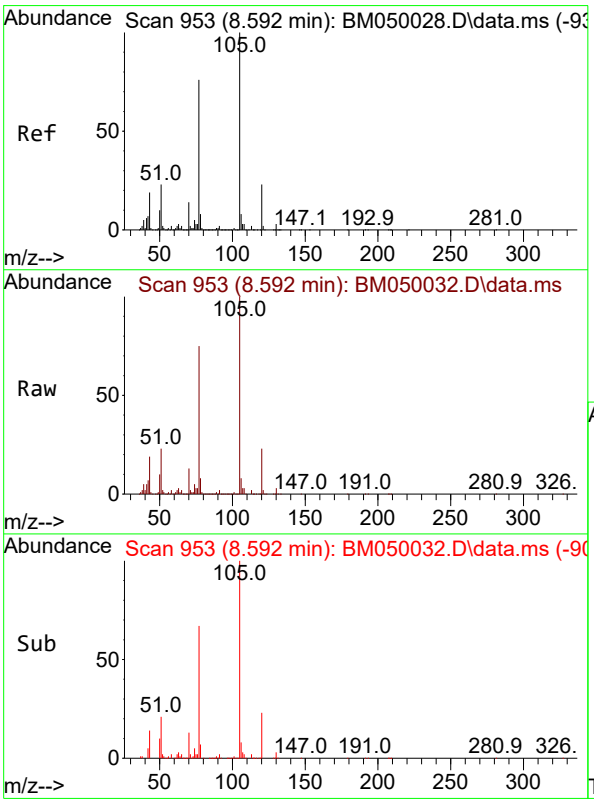
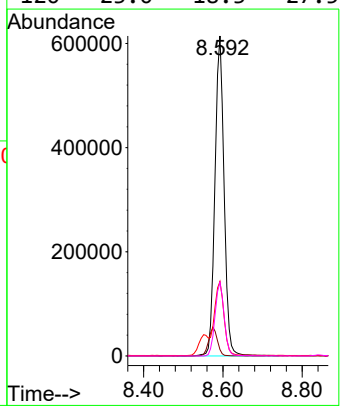
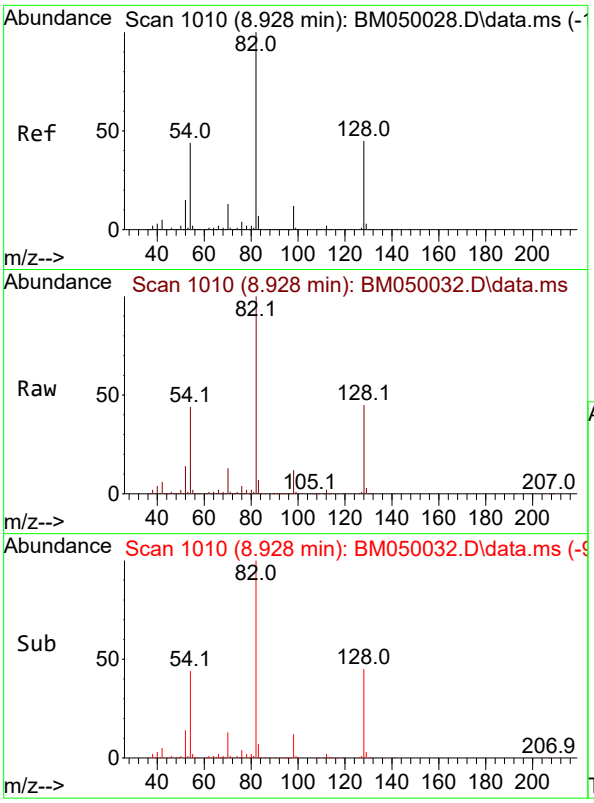


#22
Acetophenone
Concen: 45.153 ng
RT: 8.592 min Scan# 953
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:105 Resp: 985275

Ion	Ratio	Lower	Upper
105	100		
71	2.0	1.7	2.5
51	23.3	18.6	27.8
120	23.0	18.3	27.5

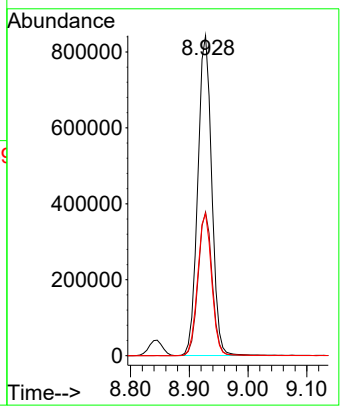




#23
Nitrobenzene-d5
Concen: 77.798 ng
RT: 8.928 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 82 Resp: 138570

Ion	Ratio	Lower	Upper
82	100		
128	44.9	35.7	53.5
54	44.4	35.4	53.2



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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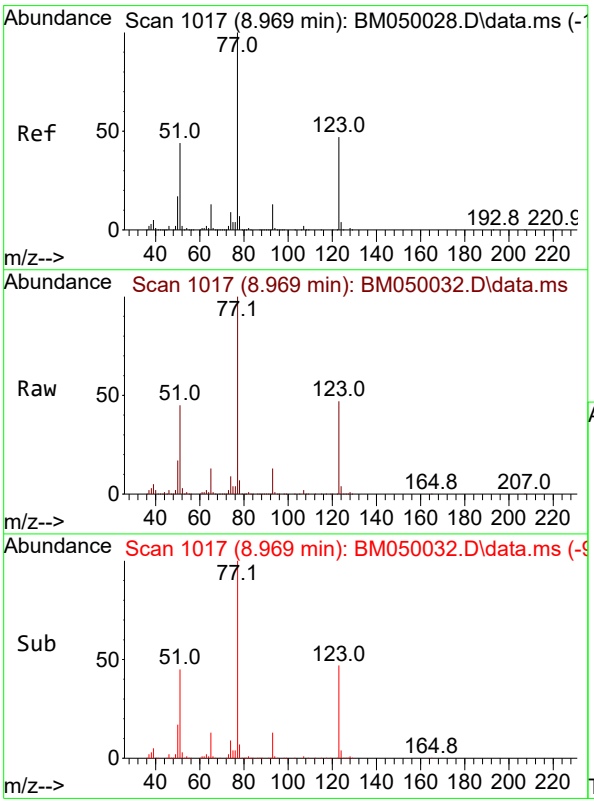
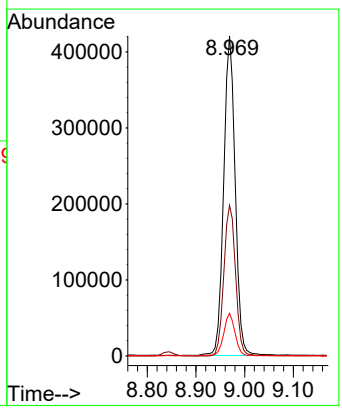
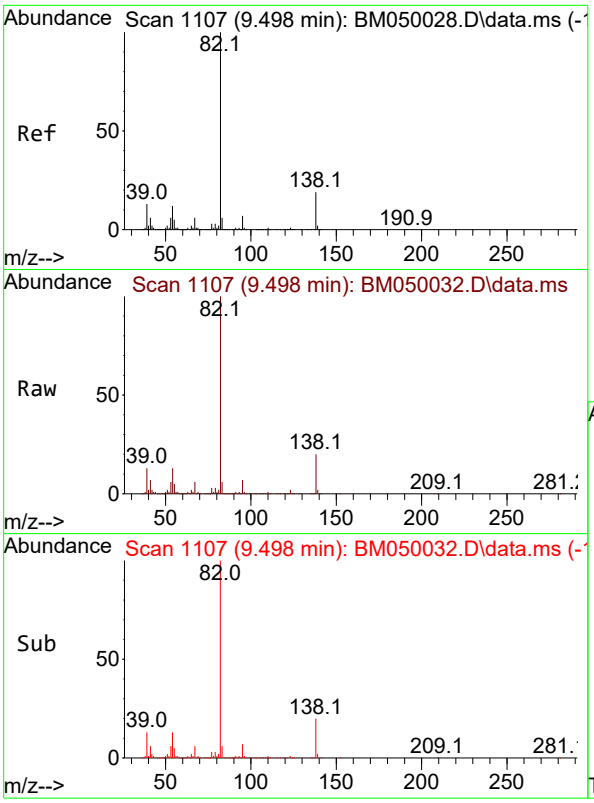


#24
Nitrobenzene
Concen: 45.104 ng
RT: 8.969 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 77 Resp: 694640

Ion	Ratio	Lower	Upper
77	100		
123	47.1	37.9	56.9
65	13.3	10.1	15.1

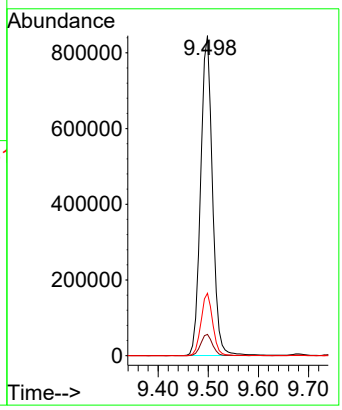




#25
Isophorone
Concen: 45.596 ng
RT: 9.498 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 82 Resp: 138437

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.7	8.5
138	19.5	15.5	23.3



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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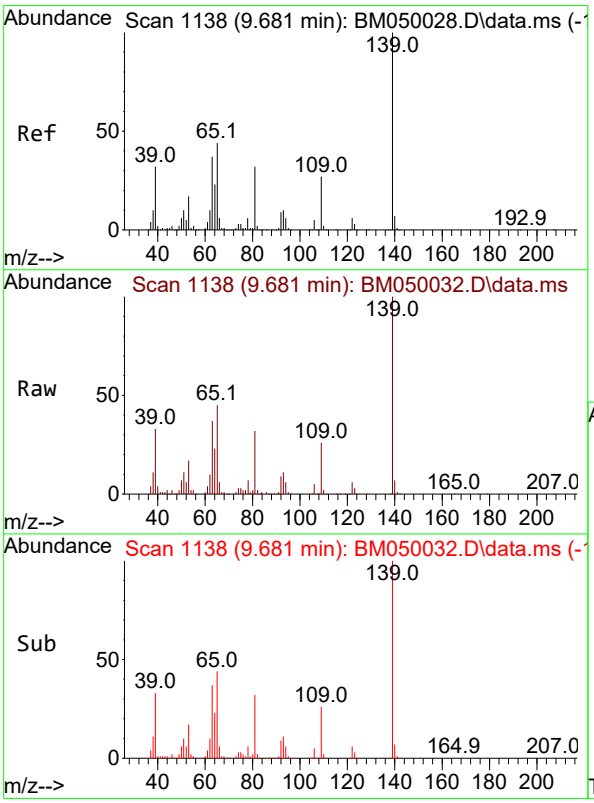
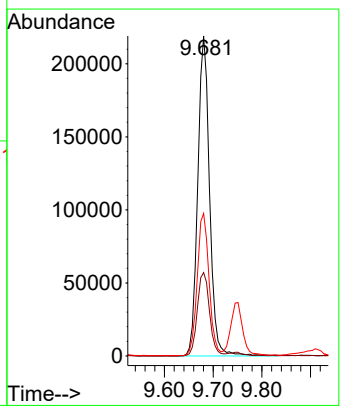
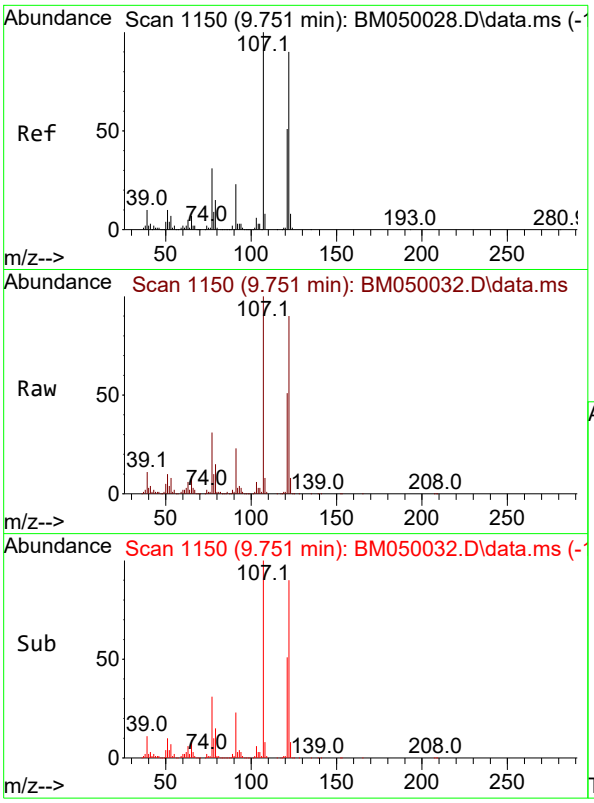


#26
2-Nitrophenol
Concen: 47.087 ng
RT: 9.681 min Scan# 1138
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:139 Resp: 370477

Ion	Ratio	Lower	Upper
139	100		
109	26.1	21.9	32.9
65	44.5	35.4	53.2

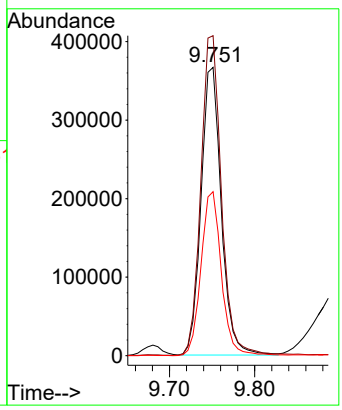




#27
2,4-Dimethylphenol
Concen: 46.404 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:122 Resp: 60547

Ion	Ratio	Lower	Upper
122	100		
107	111.0	89.0	133.6
121	56.9	45.6	68.4



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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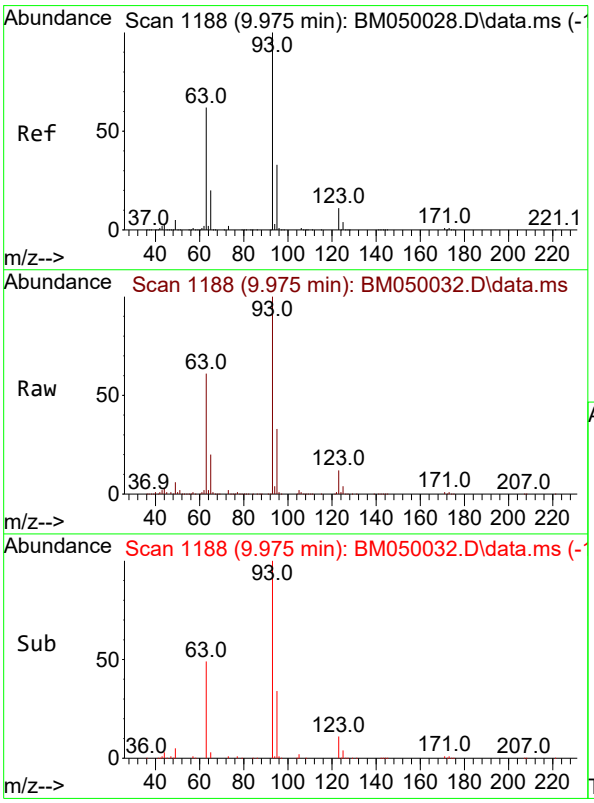
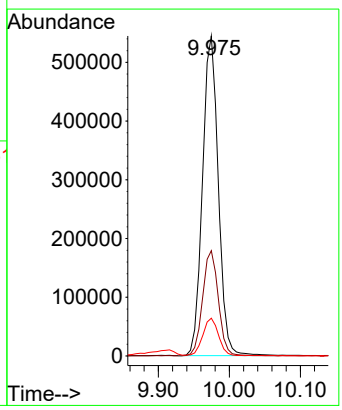
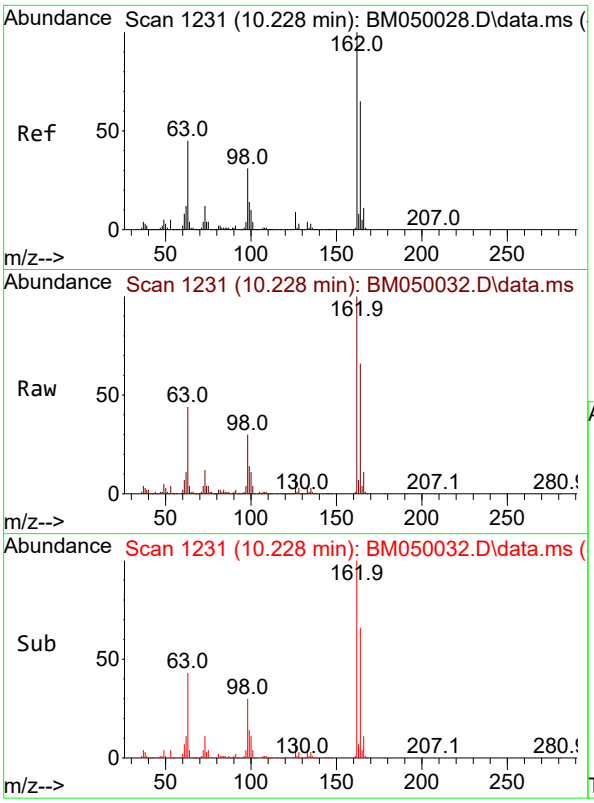


#28
bis(2-Chloroethoxy)methane
Concen: 44.920 ng
RT: 9.975 min Scan# 1188
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 93 Resp: 842968

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.1	39.1
123	11.8	9.5	14.3





#29
2,4-Dichlorophenol
Concen: 46.375 ng
RT: 10.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:162 Resp: 67788

Ion	Ratio	Lower	Upper
162	100		
164	66.0	45.4	85.4
98	30.5	11.3	51.3

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Manual Integrations
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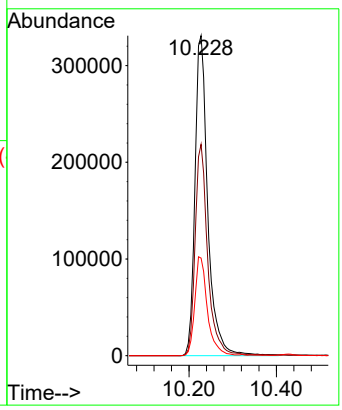
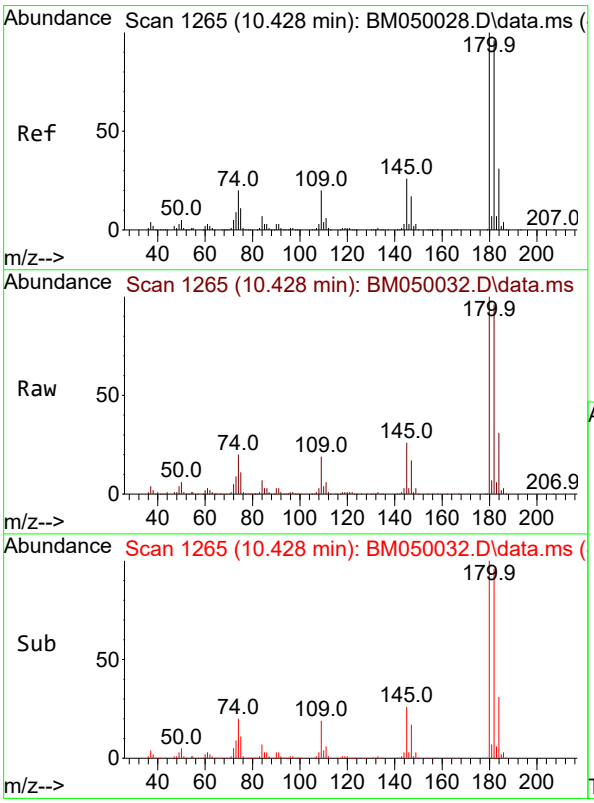
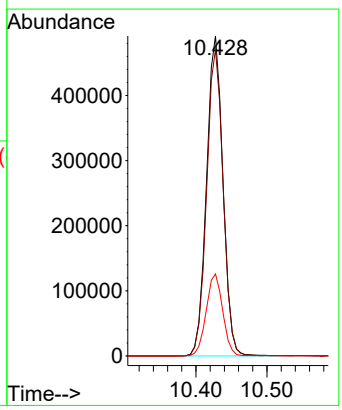


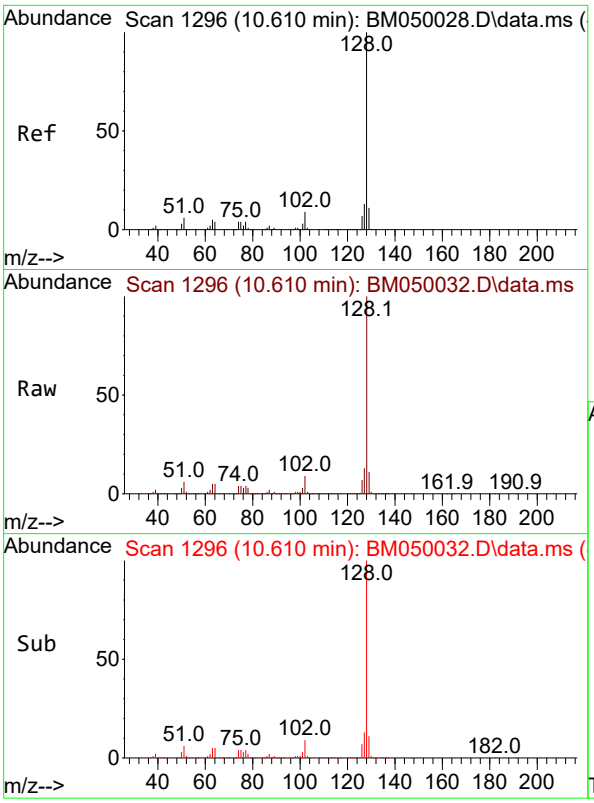


#30
1,2,4-Trichlorobenzene
Concen: 44.348 ng
RT: 10.428 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:180 Resp: 789816

Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.0	115.4
145	25.7	20.6	30.8

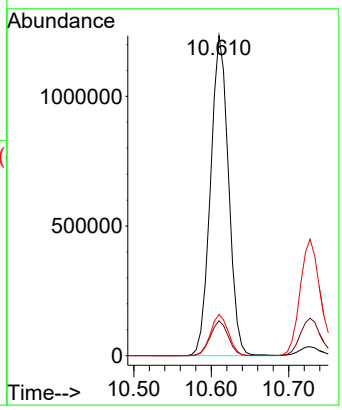




#31
Naphthalene
Concen: 44.651 ng
RT: 10.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:128 Resp: 198469

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.9	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
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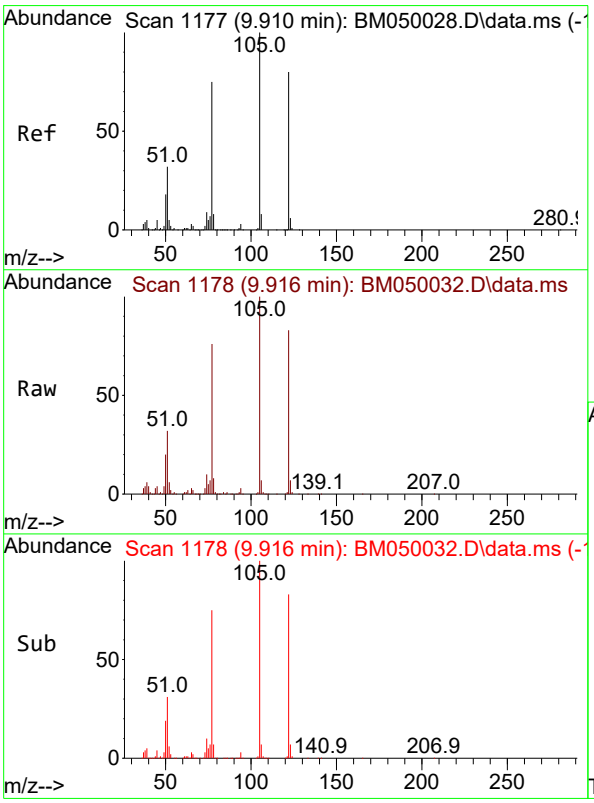
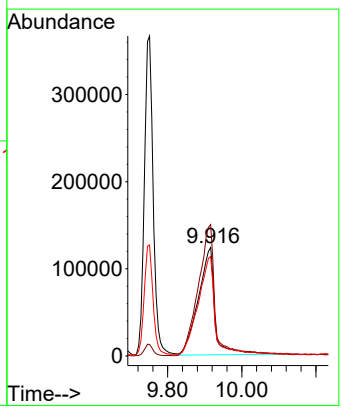
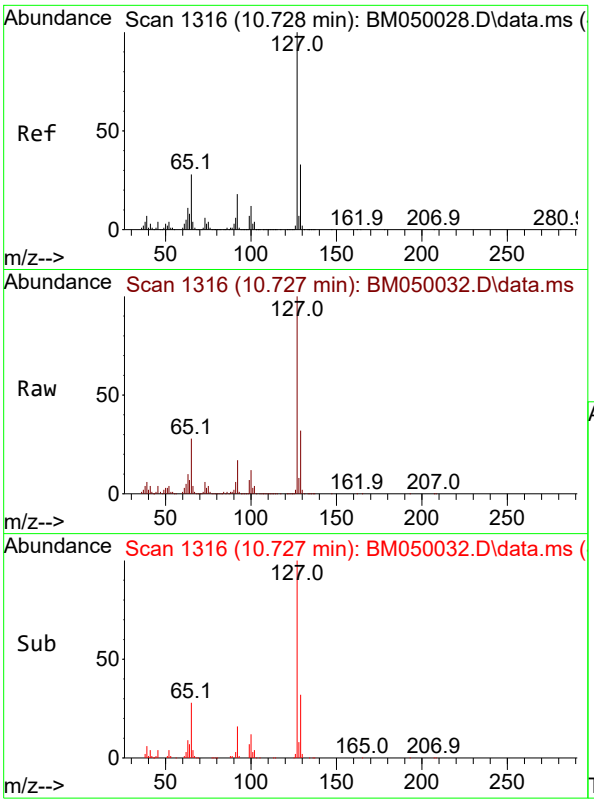


#32
Benzoic acid
Concen: 46.063 ng
RT: 9.916 min Scan# 1178
Delta R.T. 0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:122 Resp: 384400

Ion	Ratio	Lower	Upper
122	100		
105	121.1	103.6	143.6
77	91.7	73.7	113.7

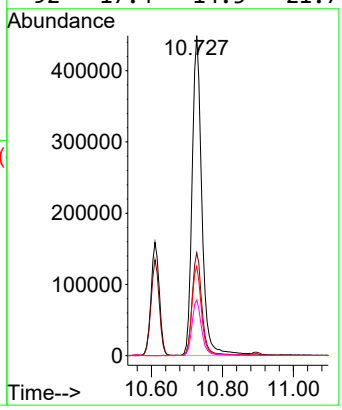




#33
4-Chloroaniline
Concen: 47.375 ng
RT: 10.727 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:127 Resp: 86311

Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.3	39.5
65	27.9	22.5	33.7
92	17.4	14.5	21.7



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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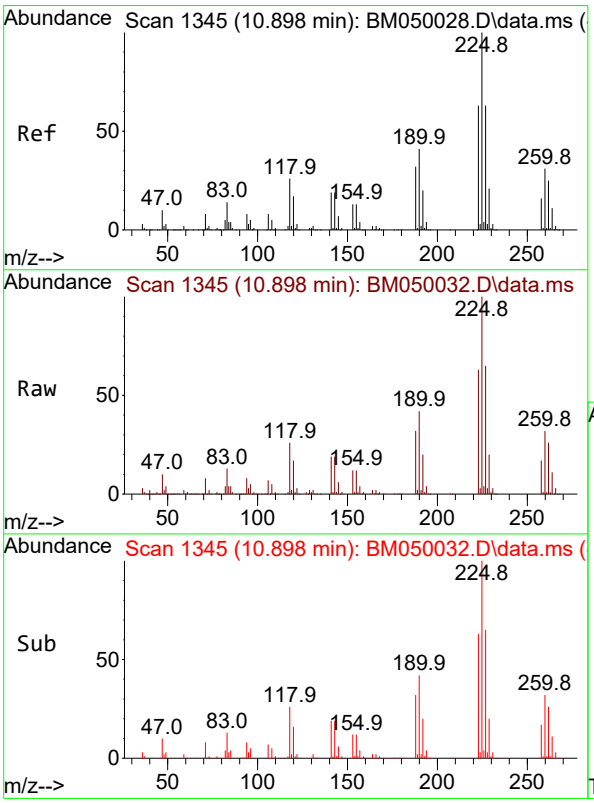
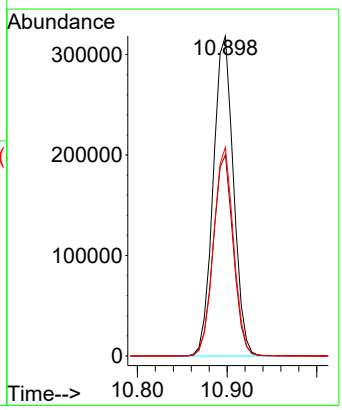
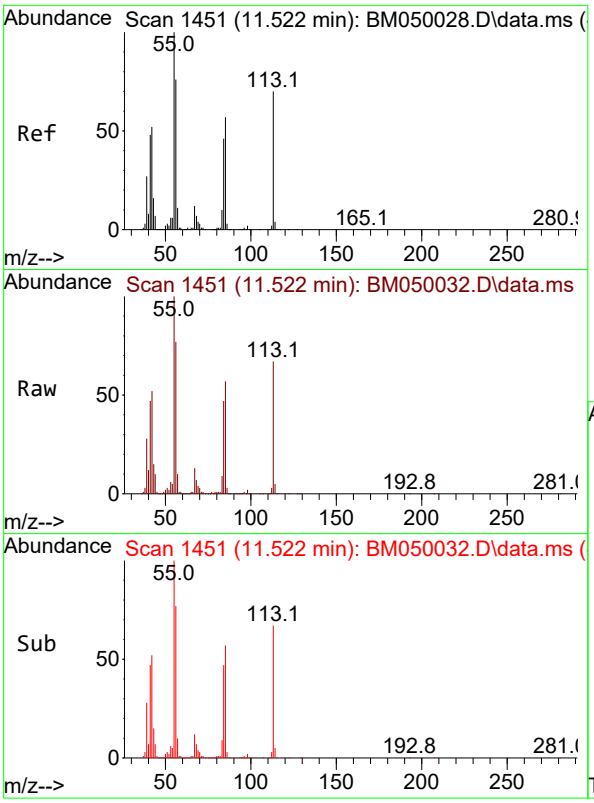


#34
Hexachlorobutadiene
Concen: 44.034 ng
RT: 10.898 min Scan# 1345
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:225 Resp: 497792

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.2	75.2
227	65.2	50.6	76.0





#35
Caprolactam
Concen: 46.481 ng
RT: 11.522 min Scan# 14
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:113 Resp: 19810

Ion	Ratio	Lower	Upper
113	100		
55	148.9	122.9	162.9
56	114.6	88.1	128.1

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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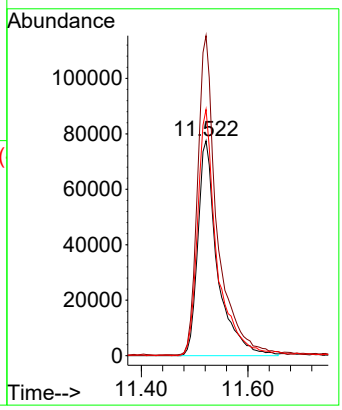
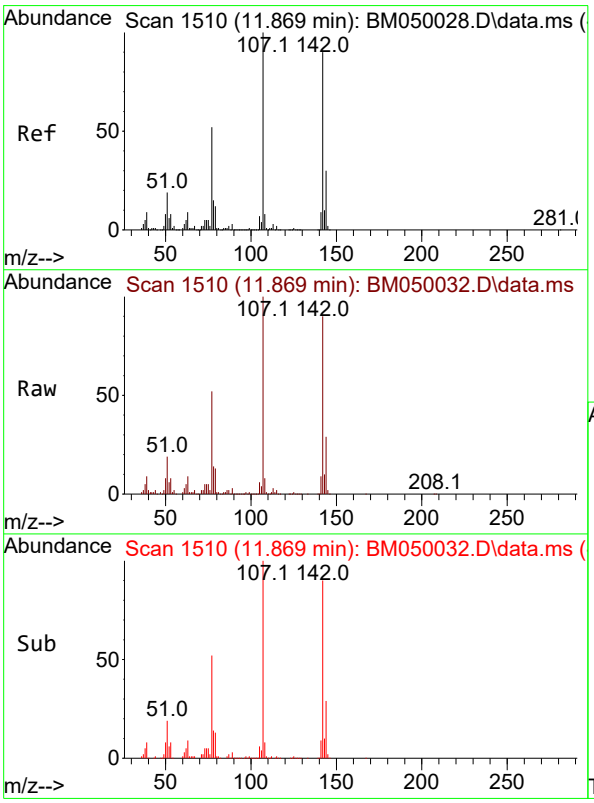
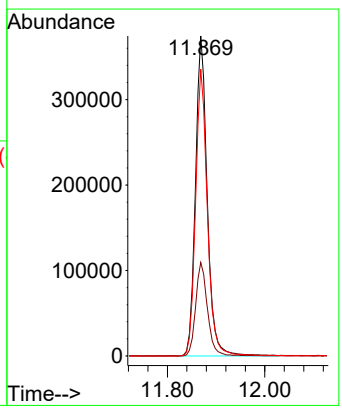


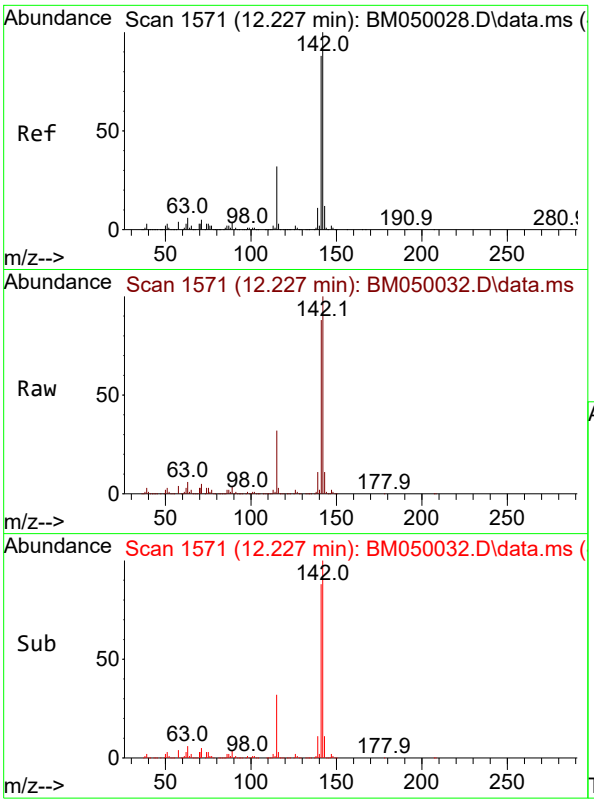


#36
4-Chloro-3-methylphenol
Concen: 46.825 ng
RT: 11.869 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:107 Resp: 632365

Ion	Ratio	Lower	Upper
107	100		
144	29.2	23.8	35.6
142	89.6	71.9	107.9

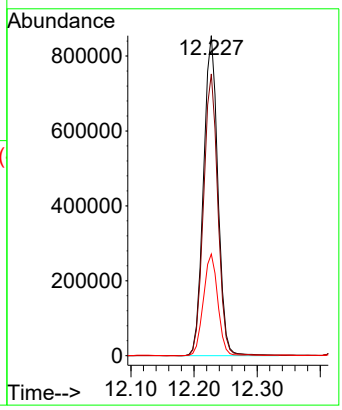




#37
2-Methylnaphthalene
Concen: 45.374 ng
RT: 12.227 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:142 Resp: 135217

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.4	105.6
115	31.8	25.4	38.2



Instrument :
BNA_M
ClientSampleId :
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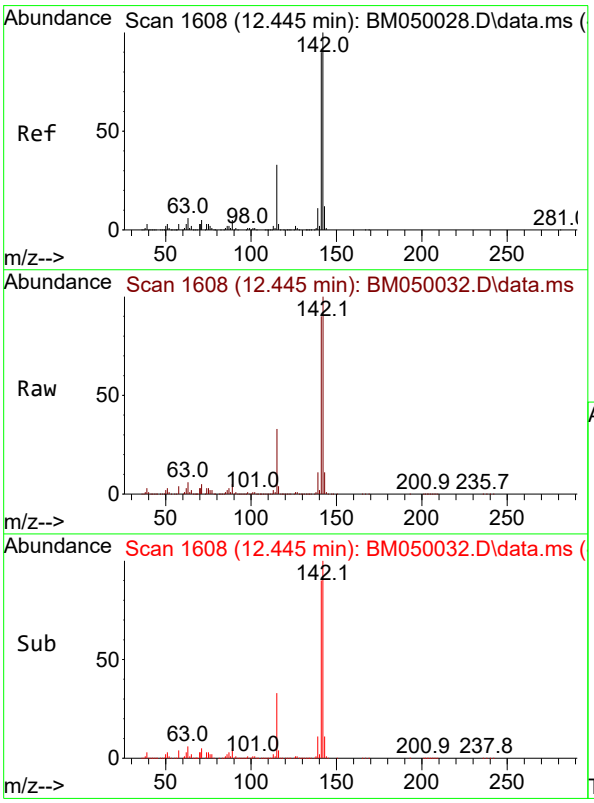
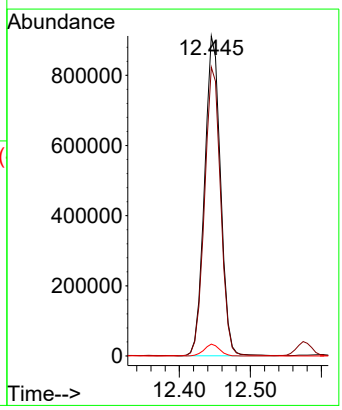
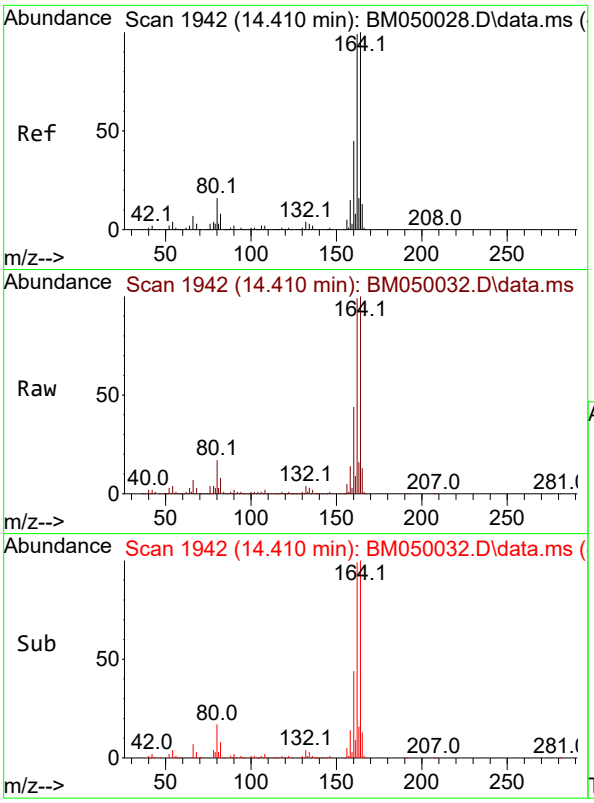


#38
1-Methylnaphthalene
Concen: 45.198 ng
RT: 12.445 min Scan# 1608
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:142 Resp: 1425407

Ion	Ratio	Lower	Upper
142	100		
141	90.3	72.1	108.1
116	3.7	2.7	4.1

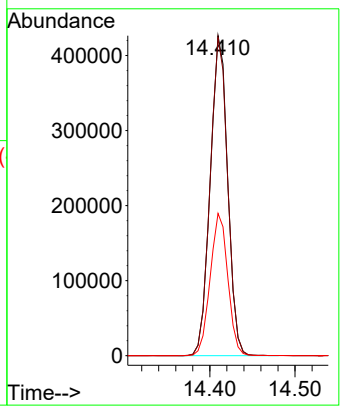




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:164 Resp: 60583

Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.4	119.0
160	44.5	36.2	54.4



Instrument :
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ClientSampleId :
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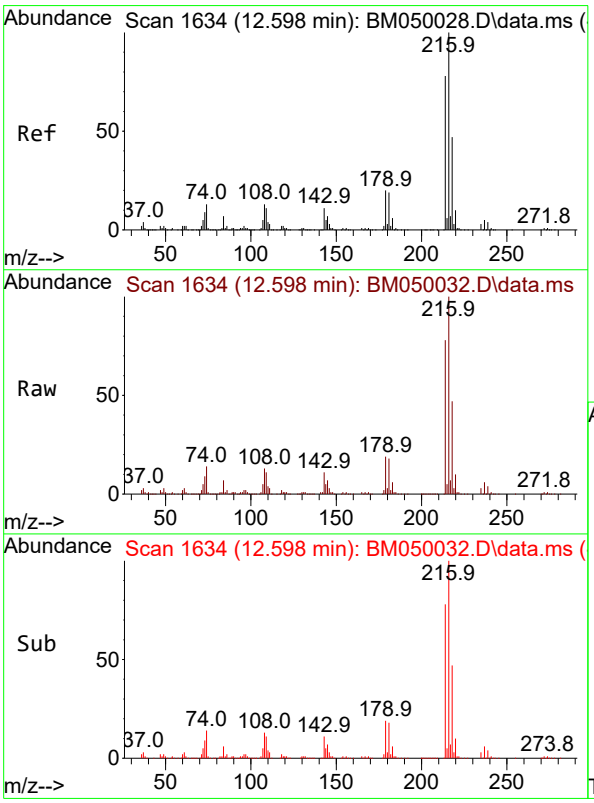
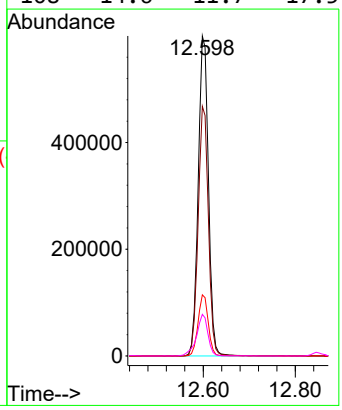
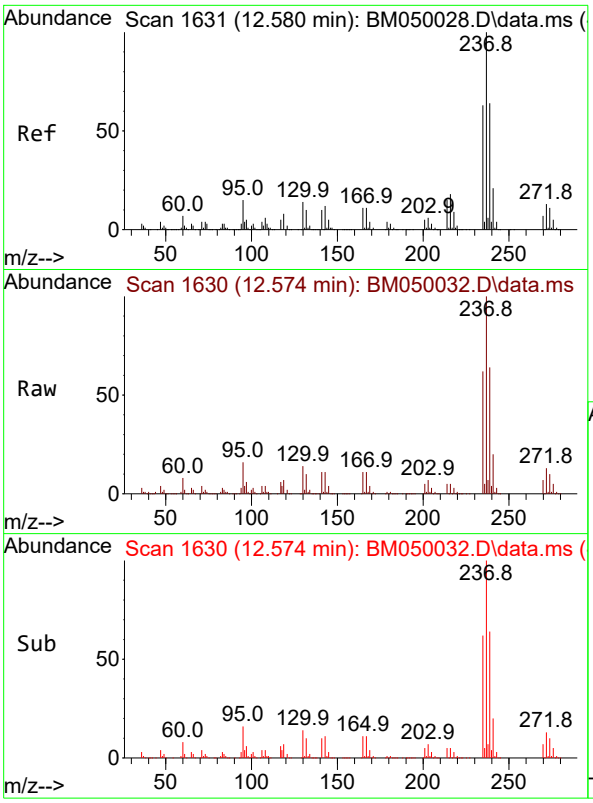


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.140 ng
RT: 12.598 min Scan# 1634
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:216 Resp: 925725

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.3	93.5
179	19.1	15.4	23.0
108	14.6	11.7	17.5





#41
Hexachlorocyclopentadiene
Concen: 44.374 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:237 Resp: 56871

Ion	Ratio	Lower	Upper
237	100		
235	61.6	42.9	82.9
272	12.9	0.0	32.9

Instrument :
BNA_M
ClientSampleId :
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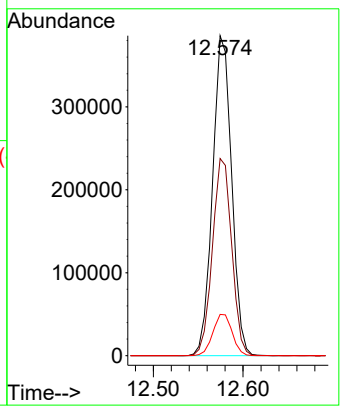
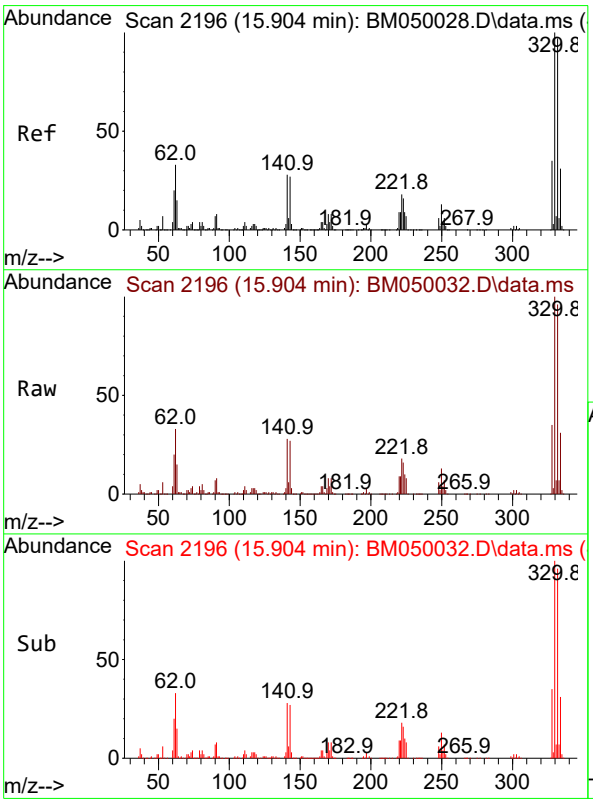
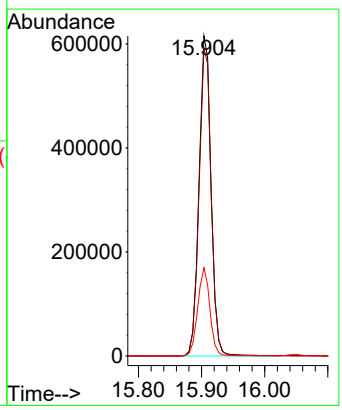


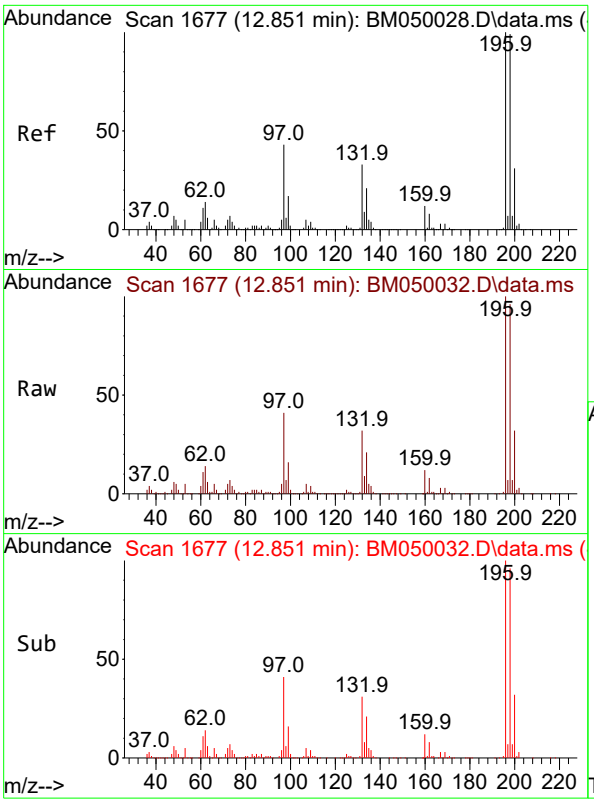


#42
2,4,6-Tribromophenol
Concen: 90.503 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:330 Resp: 810732

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.3	115.9
141	28.0	22.5	33.7

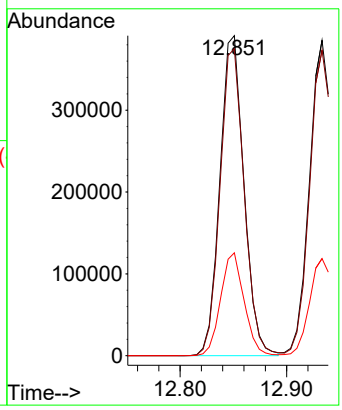




#43
2,4,6-Trichlorophenol
Concen: 46.094 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:196 Resp: 61314

Ion	Ratio	Lower	Upper
196	100		
198	95.9	79.0	118.6
200	32.2	25.1	37.7



Instrument :
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ClientSampleId :
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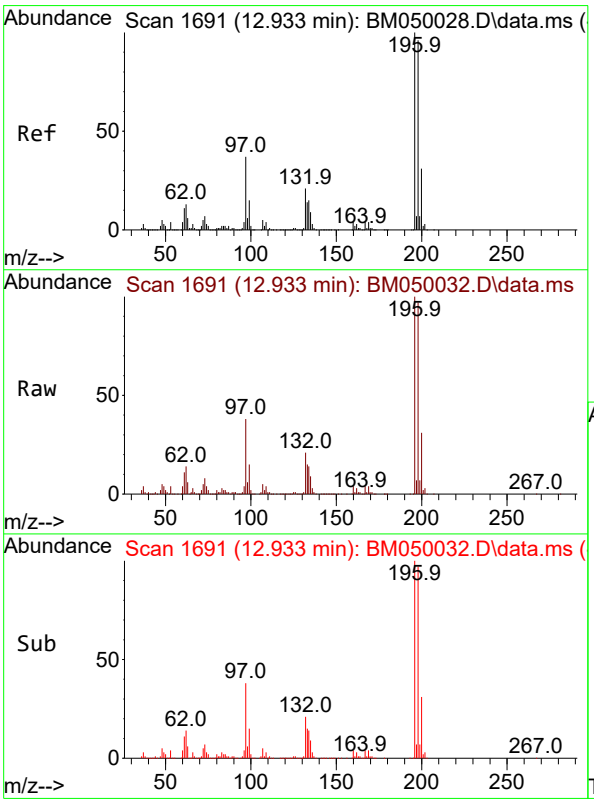
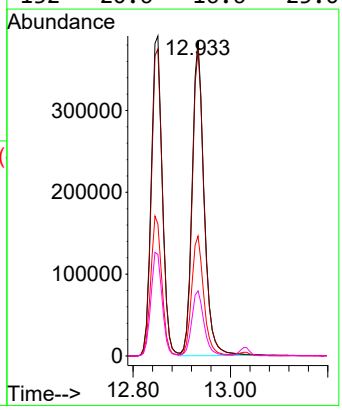
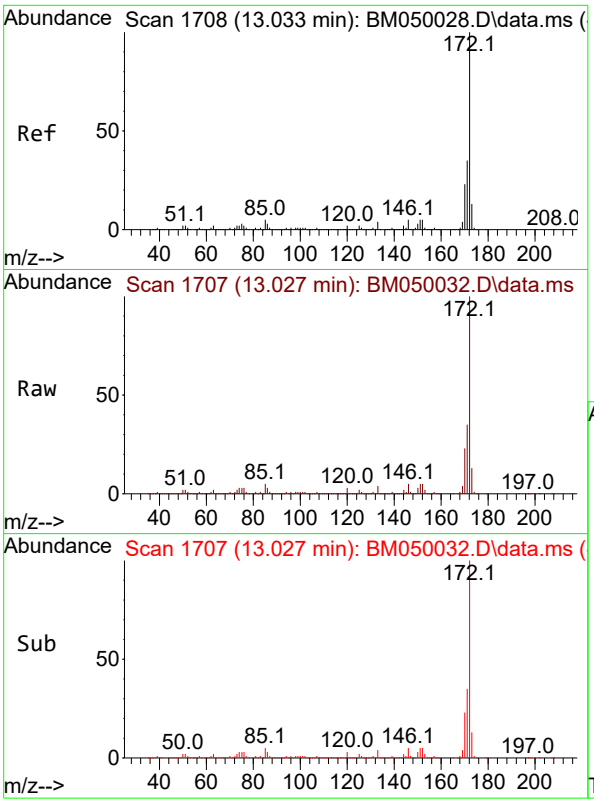


#44
2,4,5-Trichlorophenol
Concen: 46.271 ng
RT: 12.933 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:196 Resp: 663718

Ion	Ratio	Lower	Upper
196	100		
198	96.9	76.7	115.1
97	38.0	30.1	45.1
132	20.6	16.6	25.0

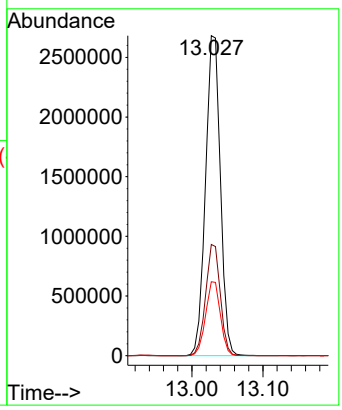




#45
2-Fluorobiphenyl
Concen: 76.259 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:172 Resp: 390538

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.8	41.6
170	23.1	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
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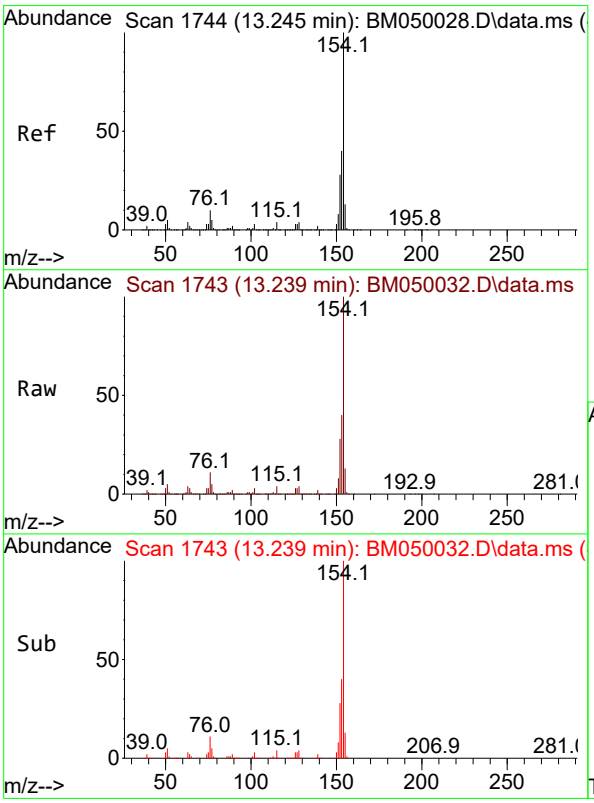
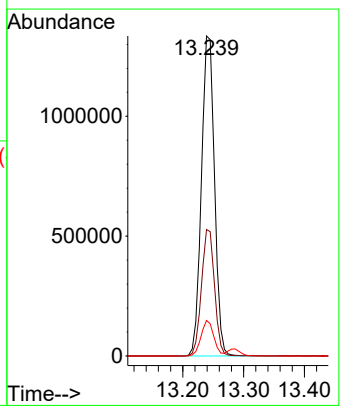
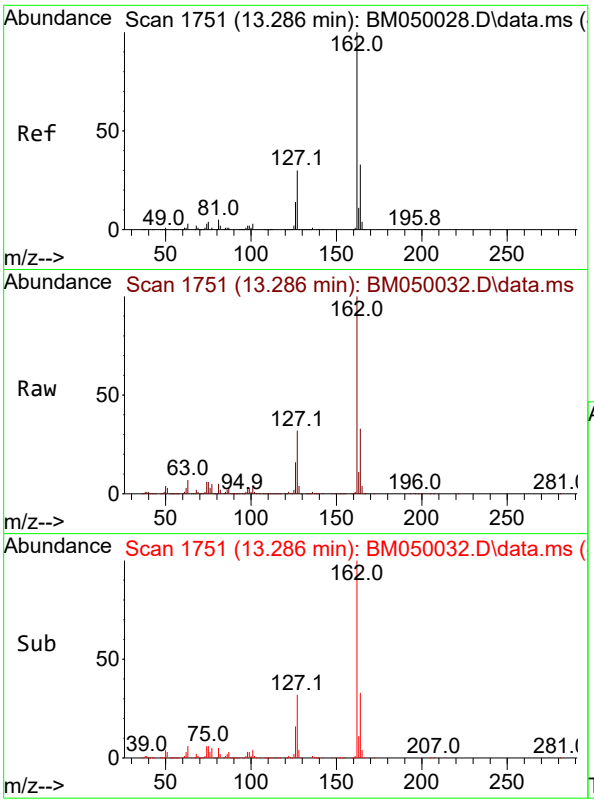


#46
1,1'-Biphenyl
Concen: 44.207 ng
RT: 13.239 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:154 Resp: 1990852

Ion	Ratio	Lower	Upper
154	100		
153	39.5	20.0	60.0
76	11.1	0.0	30.3

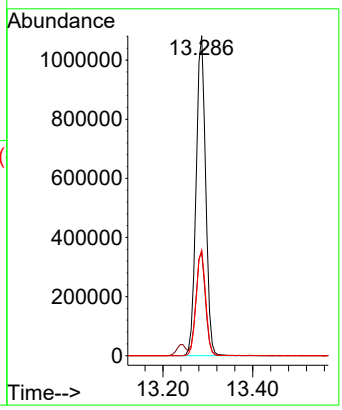




#47
2-Chloronaphthalene
Concen: 44.684 ng
RT: 13.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:162 Resp: 159376

Ion	Ratio	Lower	Upper
162	100		
127	32.2	25.9	38.9
164	33.0	26.6	40.0



Instrument :
BNA_M
ClientSampleId :
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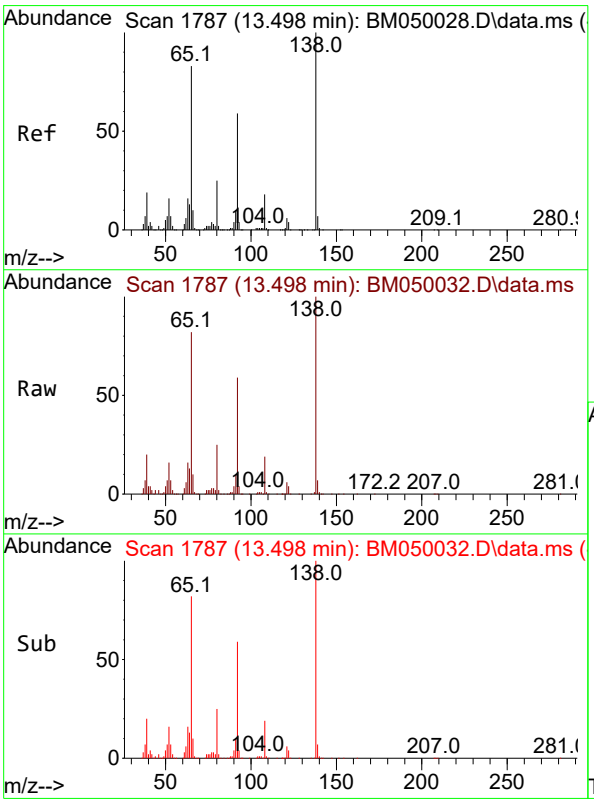
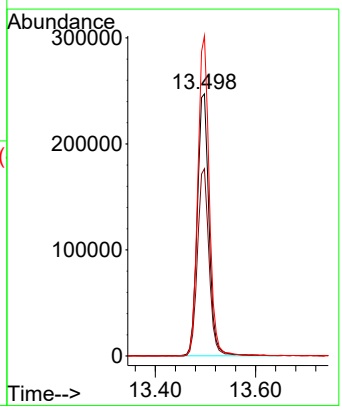
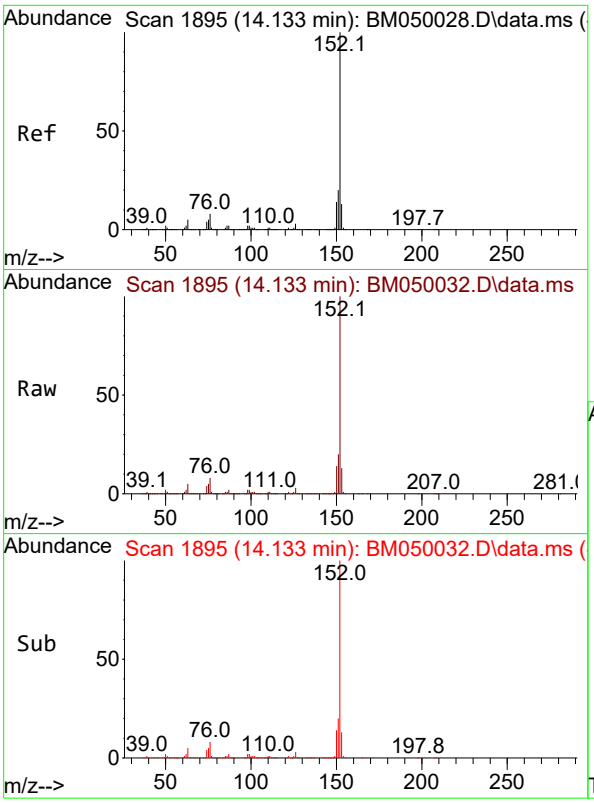


#48
2-Nitroaniline
Concen: 47.621 ng
RT: 13.498 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 65 Resp: 398645

Ion	Ratio	Lower	Upper
65	100		
92	71.5	57.1	85.7
138	122.1	97.0	145.4

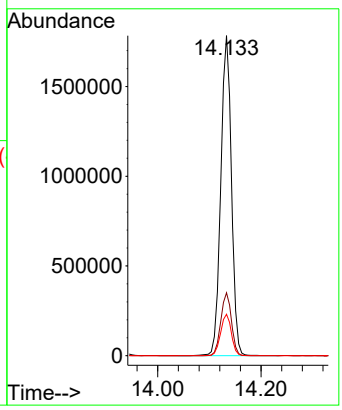




#49
Acenaphthylene
Concen: 45.315 ng
RT: 14.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:152 Resp: 254834

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	13.0	10.6	15.8



Instrument :
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ClientSampleId :
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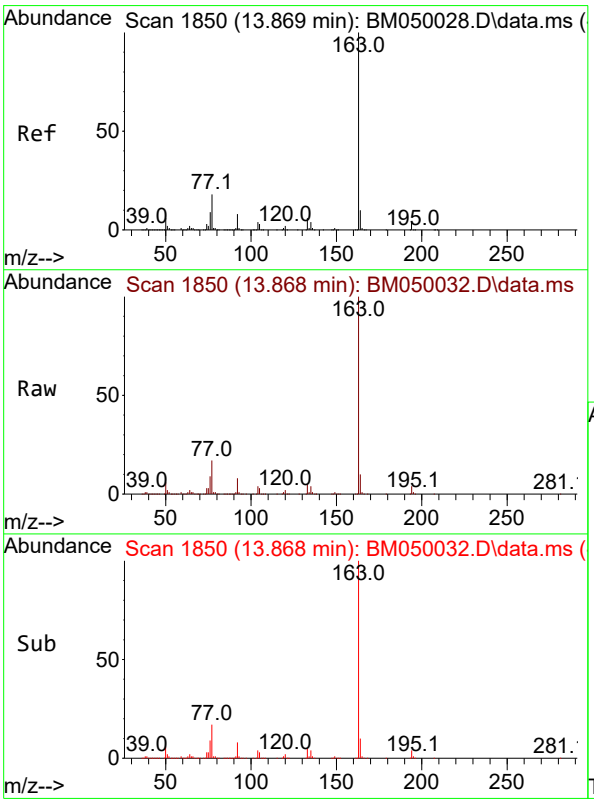
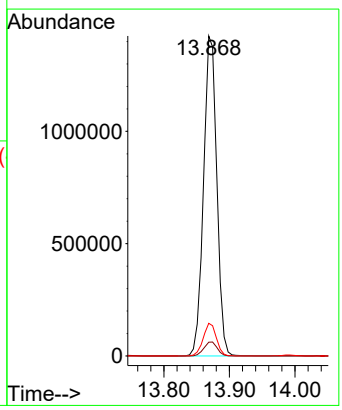
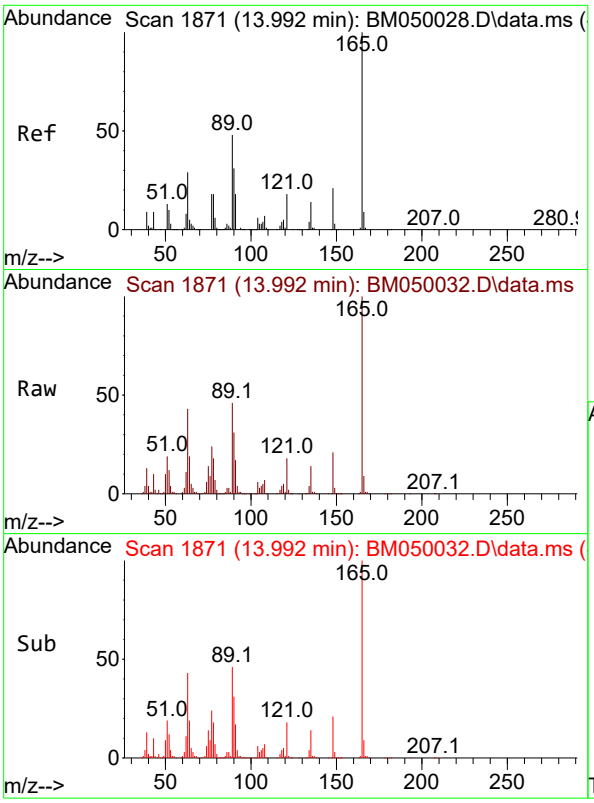


#50
Dimethylphthalate
Concen: 45.338 ng
RT: 13.868 min Scan# 1850
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:163 Resp: 2007342

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.2	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 47.554 ng
RT: 13.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:165 Resp: 43592

Ion	Ratio	Lower	Upper
165	100		
63	42.9	35.1	52.7
89	46.4	38.4	57.6

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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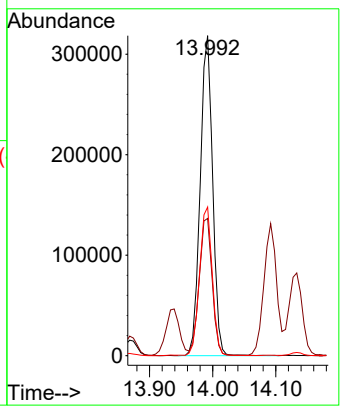
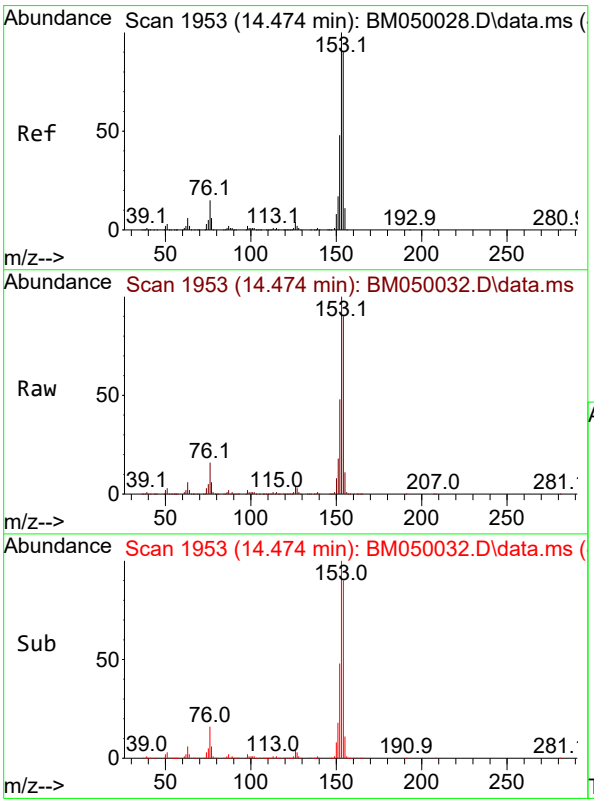
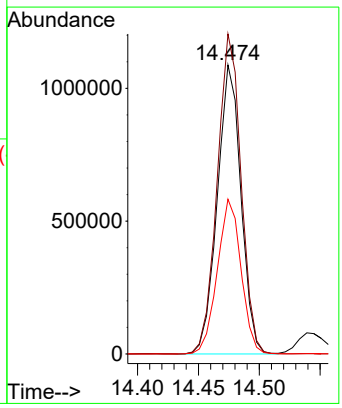


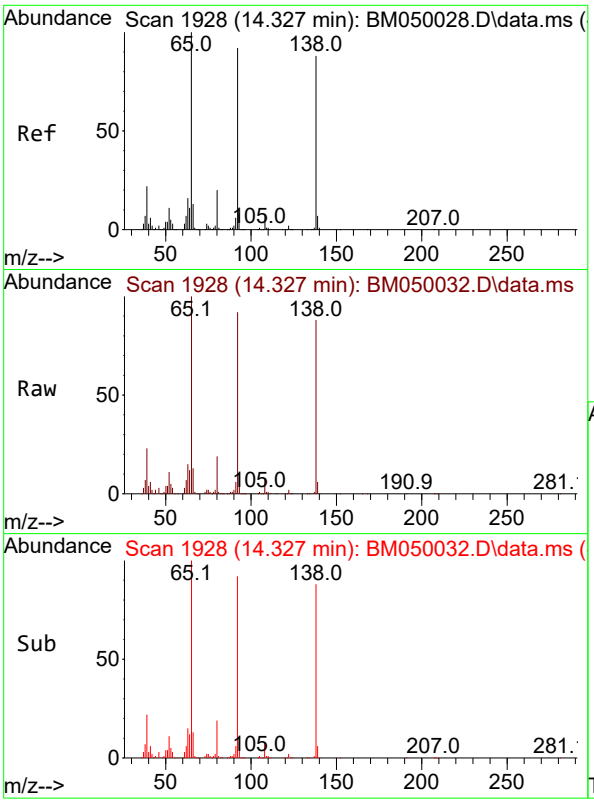


#52
Acenaphthene
Concen: 45.210 ng
RT: 14.474 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:154 Resp: 1471672

Ion	Ratio	Lower	Upper
154	100		
153	110.7	89.0	133.4
152	53.5	43.0	64.6

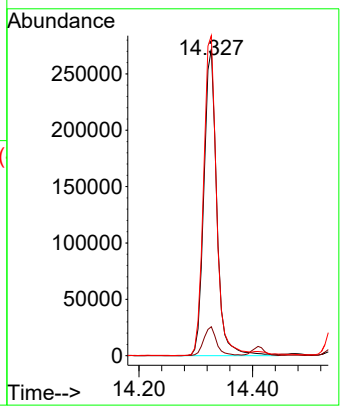




#53
3-Nitroaniline
Concen: 48.843 ng
RT: 14.327 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:138 Resp: 42746

Ion	Ratio	Lower	Upper
138	100		
108	9.5	7.4	11.2
92	104.5	84.0	126.0



Instrument :
BNA_M
ClientSampleId :
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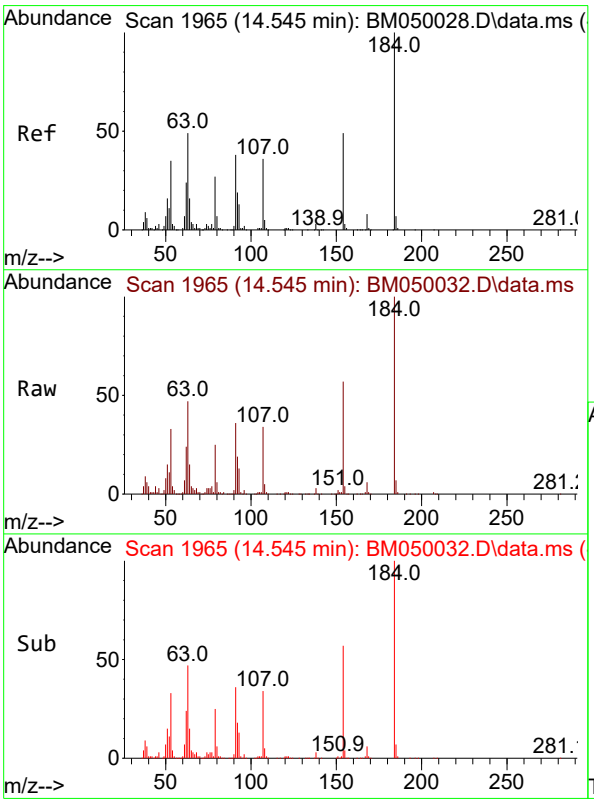
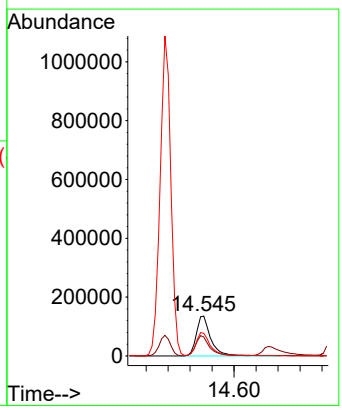
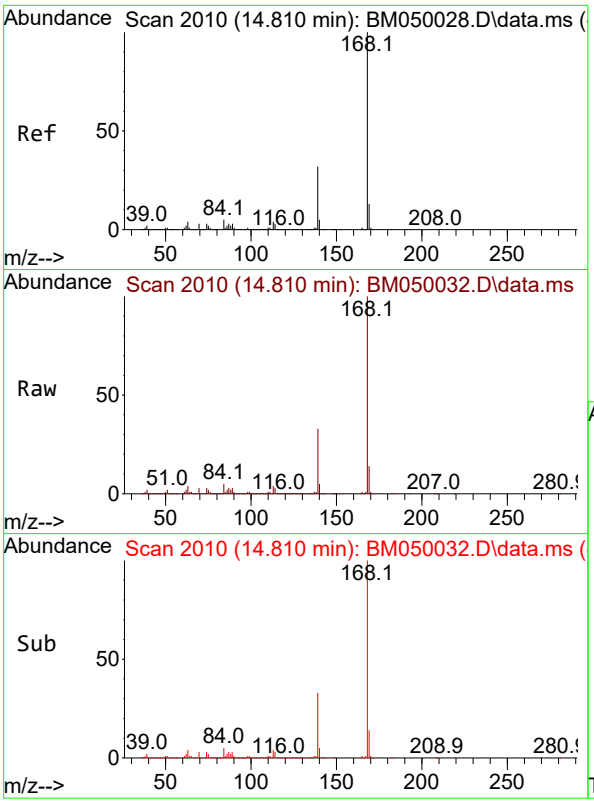


#54
2,4-Dinitrophenol
Concen: 45.189 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:184 Resp: 249307

Ion	Ratio	Lower	Upper
184	100		
63	47.3	39.8	59.6
154	56.7	46.1	69.1

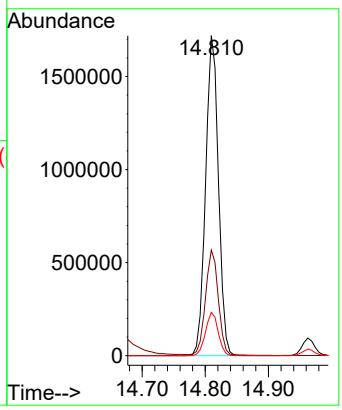




#55
Dibenzofuran
Concen: 44.828 ng
RT: 14.810 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:168 Resp: 242783

Ion	Ratio	Lower	Upper
168	100		
139	33.0	26.1	39.1
169	13.5	10.8	16.2



Instrument :
BNA_M
ClientSampleId :
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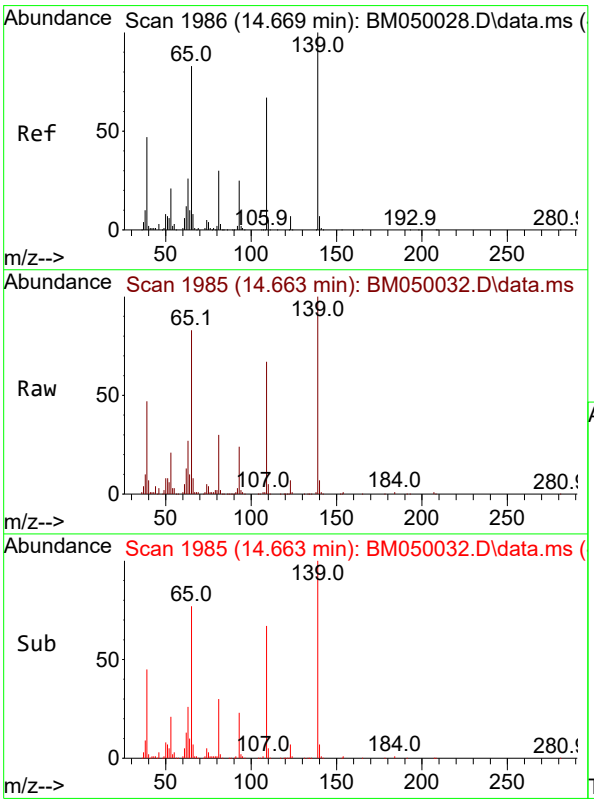
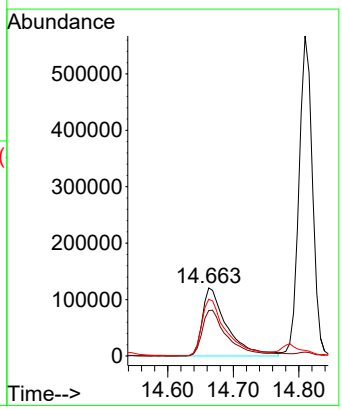
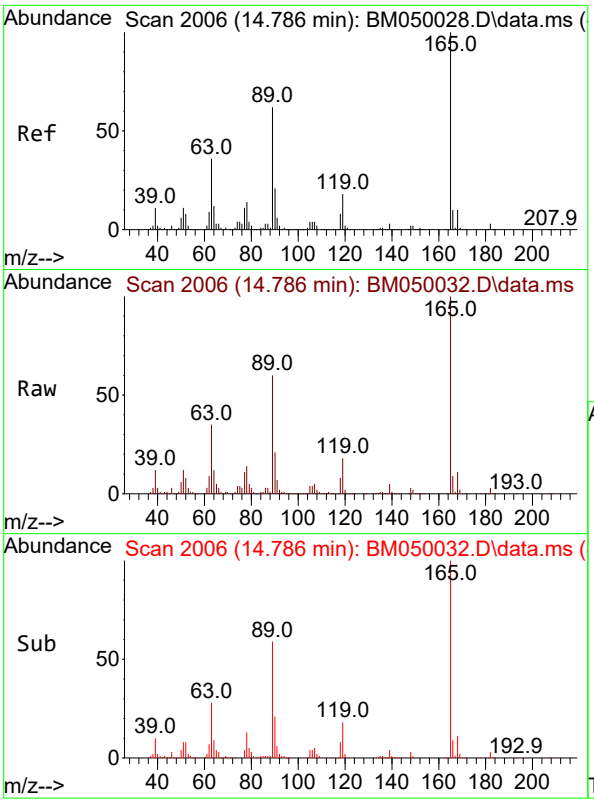


#56
4-Nitrophenol
Concen: 46.012 ng
RT: 14.663 min Scan# 1985
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:139 Resp: 313065

Ion	Ratio	Lower	Upper
139	100		
109	66.8	47.0	87.0
65	83.4	64.3	104.3

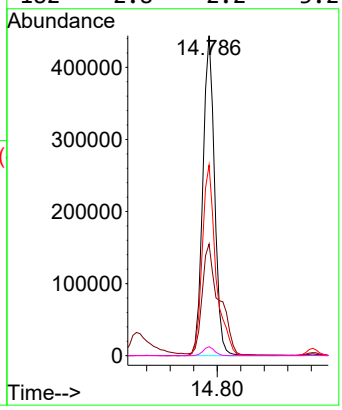




#57
2,4-Dinitrotoluene
Concen: 48.311 ng
RT: 14.786 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:165 Resp: 61194

Ion	Ratio	Lower	Upper
165	100		
63	34.9	29.0	43.6
89	59.6	49.4	74.2
182	2.8	2.2	3.2



Instrument :
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ClientSampleId :
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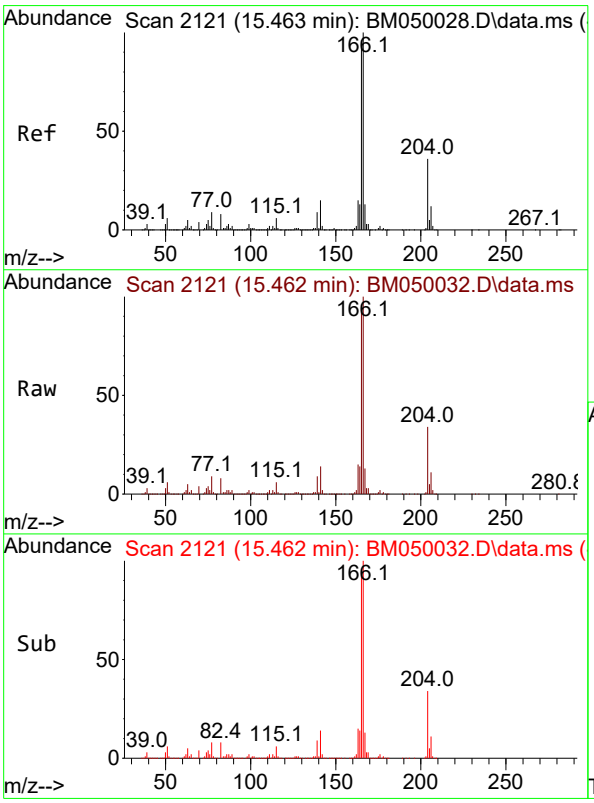
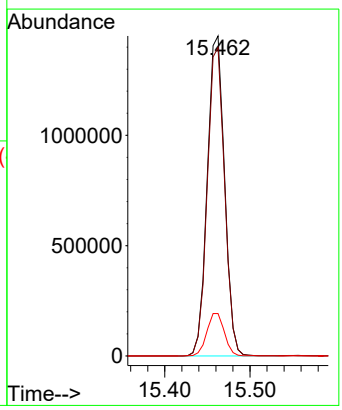
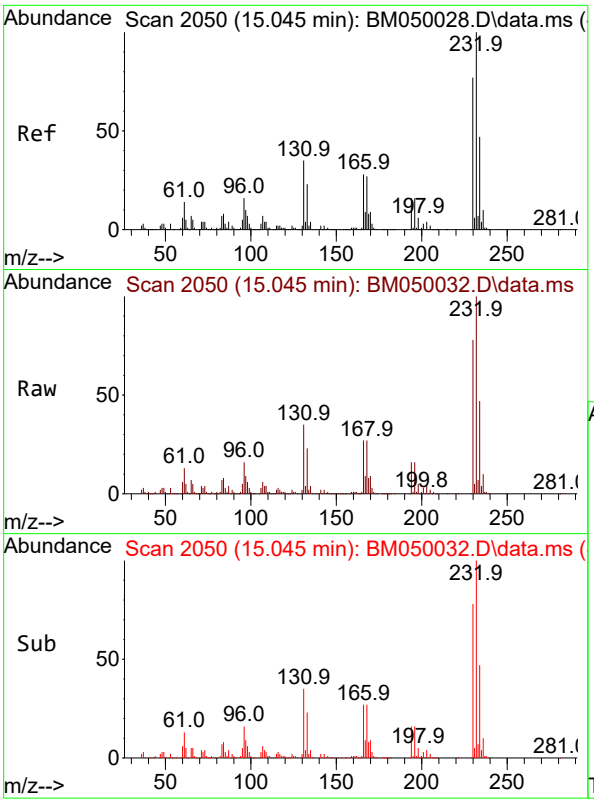


#58
Fluorene
Concen: 46.115 ng
RT: 15.462 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:166 Resp: 2044284

Ion	Ratio	Lower	Upper
166	100		
165	96.4	76.6	115.0
167	13.3	10.6	16.0

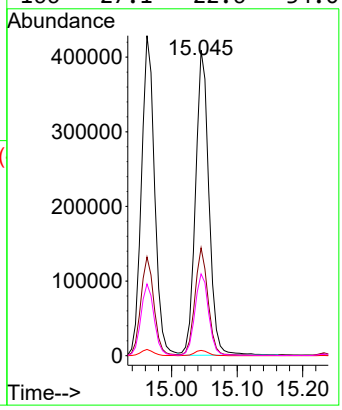




#59
2,3,4,6-Tetrachlorophenol
Concen: 46.970 ng
RT: 15.045 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:232 Resp: 583198

Ion	Ratio	Lower	Upper
232	100		
131	34.5	28.2	42.4
130	1.8	1.5	2.3
166	27.1	22.6	34.0



Instrument :
BNA_M
ClientSampleId :
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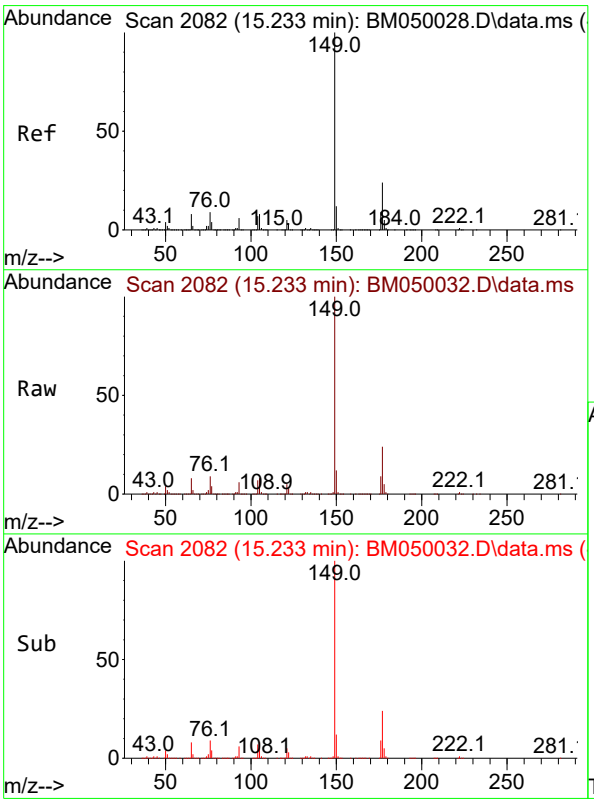
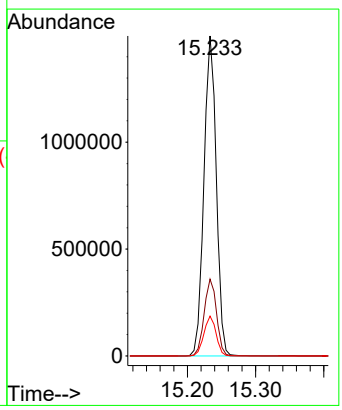
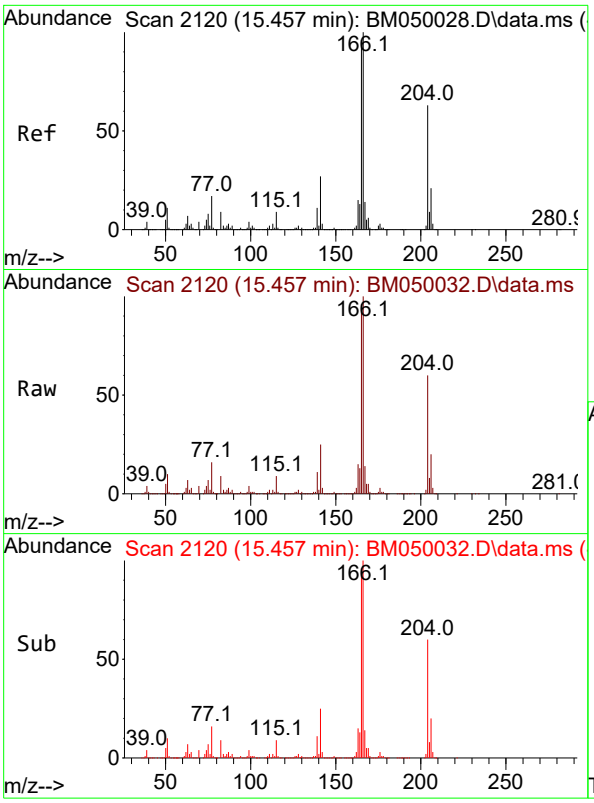


#60
Diethylphthalate
Concen: 45.299 ng
RT: 15.233 min Scan# 2082
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:149 Resp: 1889827

Ion	Ratio	Lower	Upper
149	100		
177	24.0	19.1	28.7
150	12.4	9.6	14.4





#61
4-Chlorophenyl-phenylether
Concen: 45.950 ng
RT: 15.457 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:204 Resp: 111883

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.3	39.5
141	41.1	34.0	51.0

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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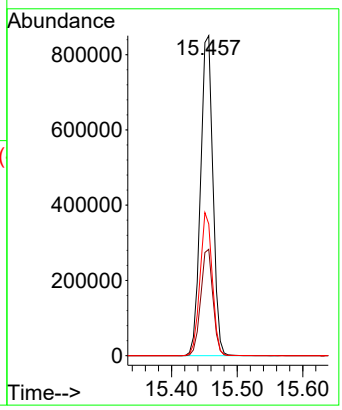
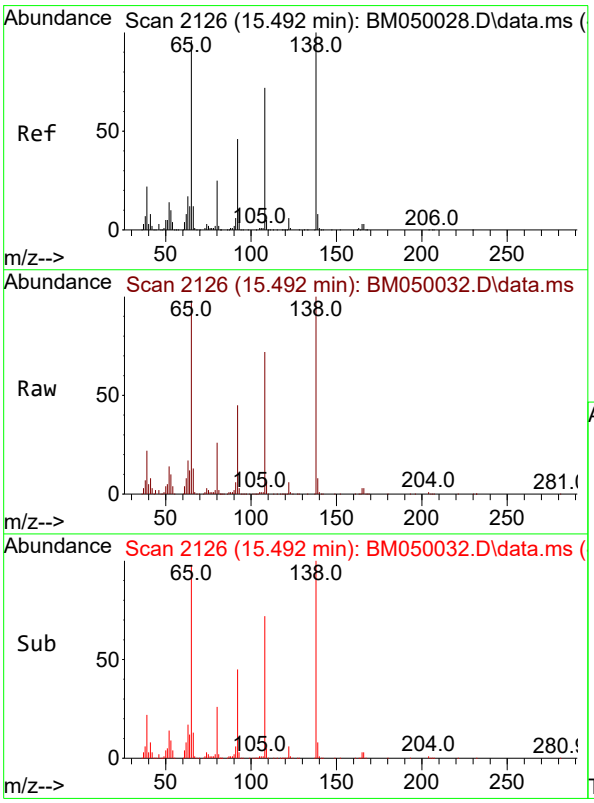
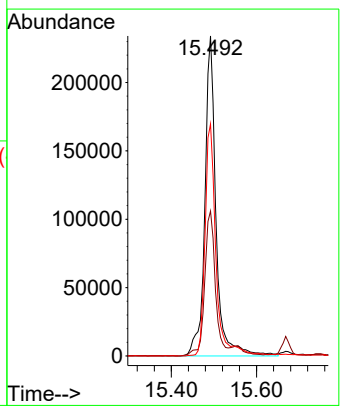


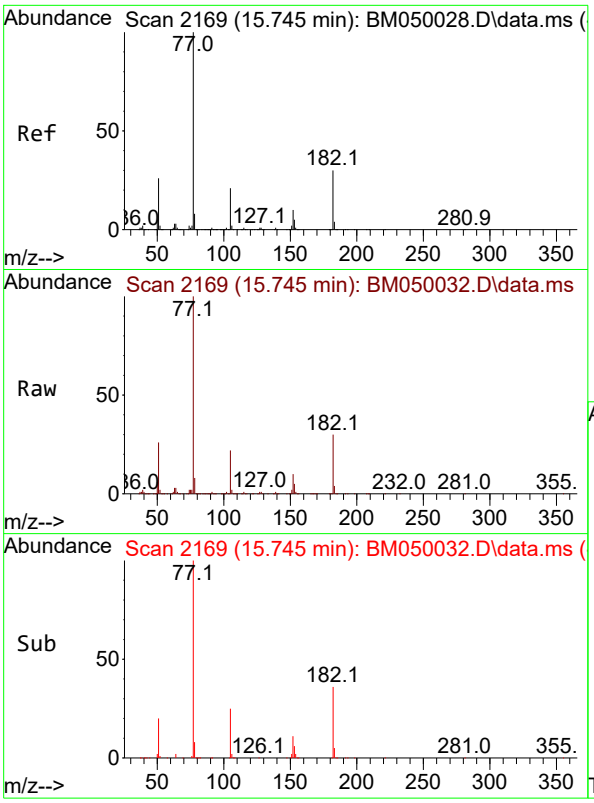


#62
4-Nitroaniline
Concen: 50.610 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:138 Resp: 427339

Ion	Ratio	Lower	Upper
138	100		
92	45.3	25.9	65.9
108	72.5	52.4	92.4

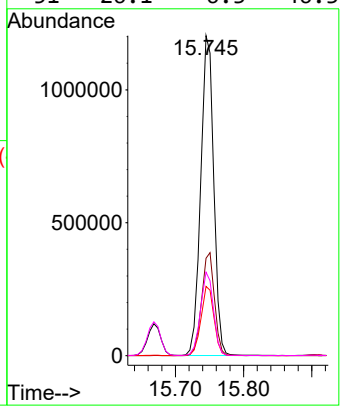




#63
Azobenzene
Concen: 45.747 ng
RT: 15.745 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 77 Resp: 159948

Ion	Ratio	Lower	Upper
77	100		
182	30.5	10.5	50.5
105	21.6	1.1	41.1
51	26.1	6.3	46.3



Instrument :
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ClientSampleId :
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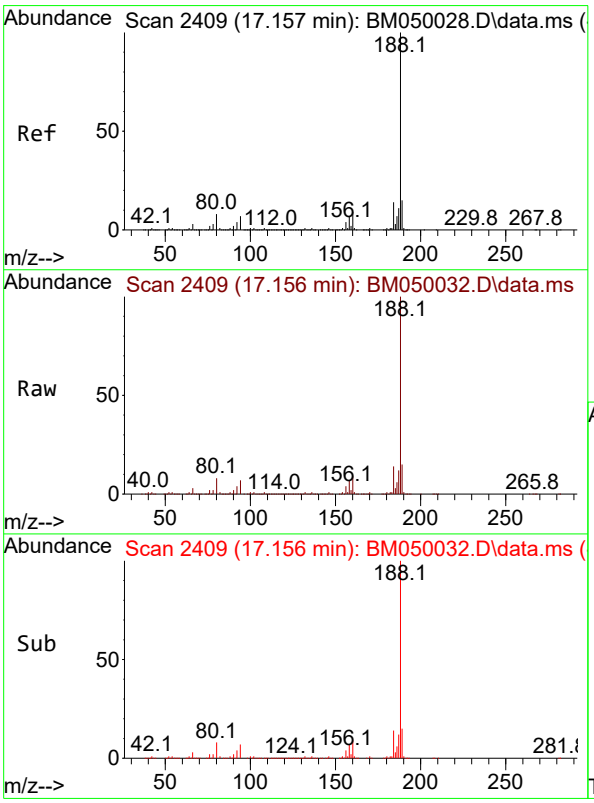
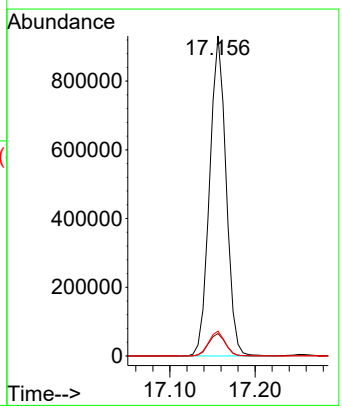
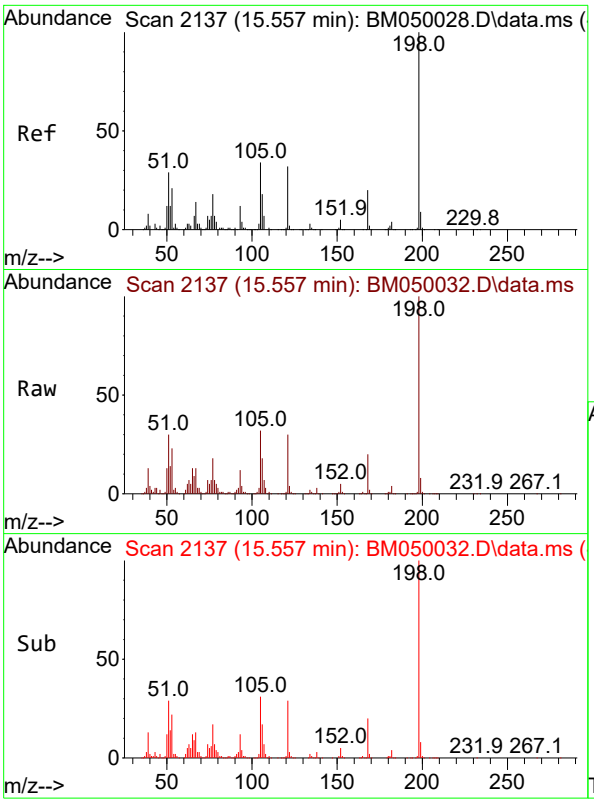


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.156 min Scan# 2409
Delta R.T. -0.001 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:188 Resp: 1251563

Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.7	8.5
80	7.7	6.2	9.4

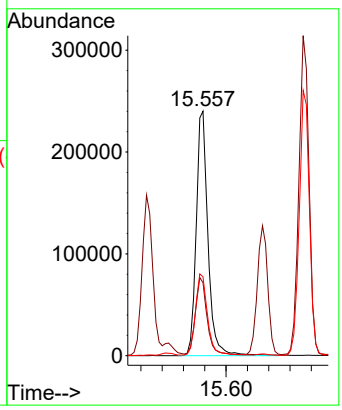




#65
4,6-Dinitro-2-methylphenol
Concen: 46.920 ng
RT: 15.557 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:198 Resp: 36758

Ion	Ratio	Lower	Upper
198	100		
51	29.9	10.4	50.4
105	32.3	14.6	54.6



Instrument :
BNA_M
ClientSampleId :
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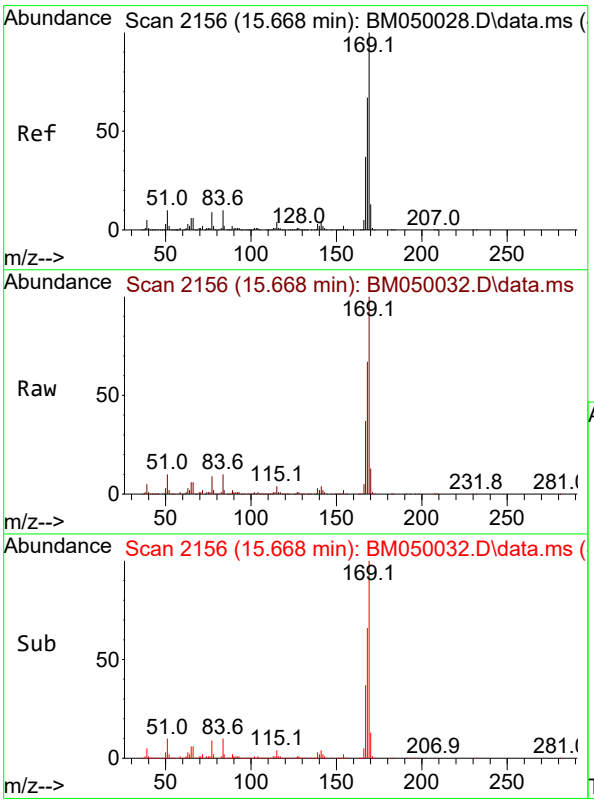
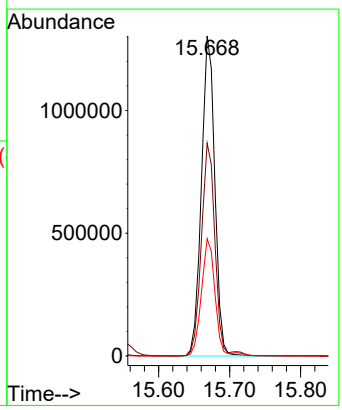
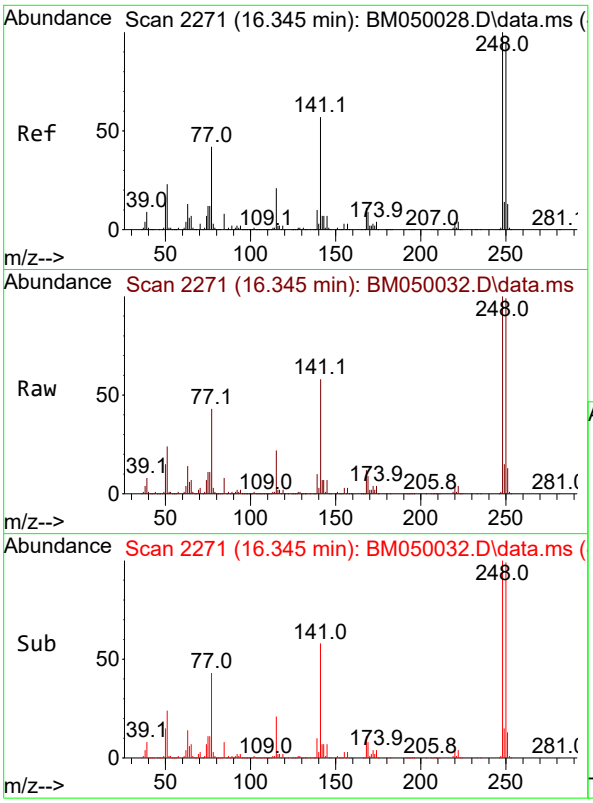


#66
n-Nitrosodiphenylamine
Concen: 44.485 ng
RT: 15.668 min Scan# 2156
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:169 Resp: 1709666

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.4	80.2
167	36.6	29.4	44.0

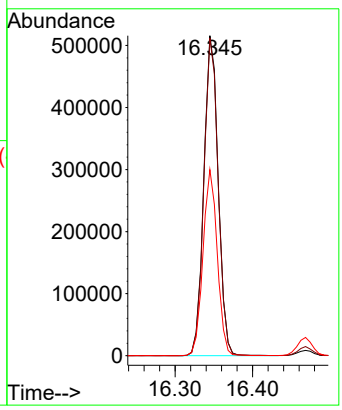




#67
4-Bromophenyl-phenylether
Concen: 43.944 ng
RT: 16.345 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:248 Resp: 66508

Ion	Ratio	Lower	Upper
248	100		
250	99.3	76.2	114.2
141	58.1	45.9	68.9



Instrument :
BNA_M
ClientSampleId :
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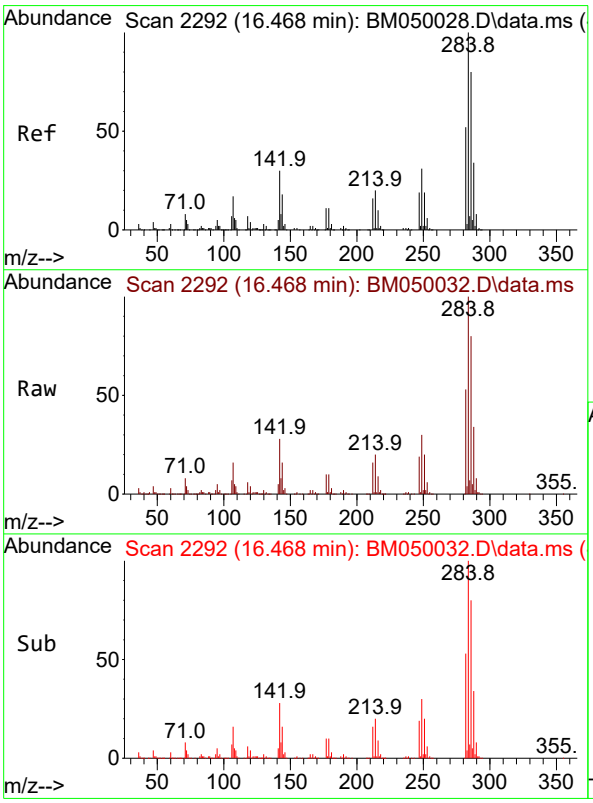
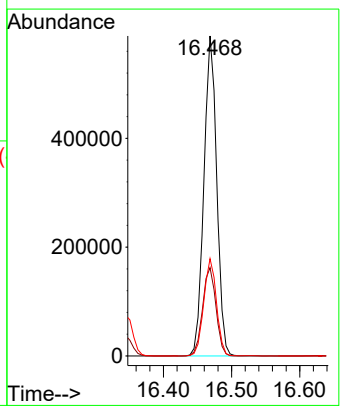
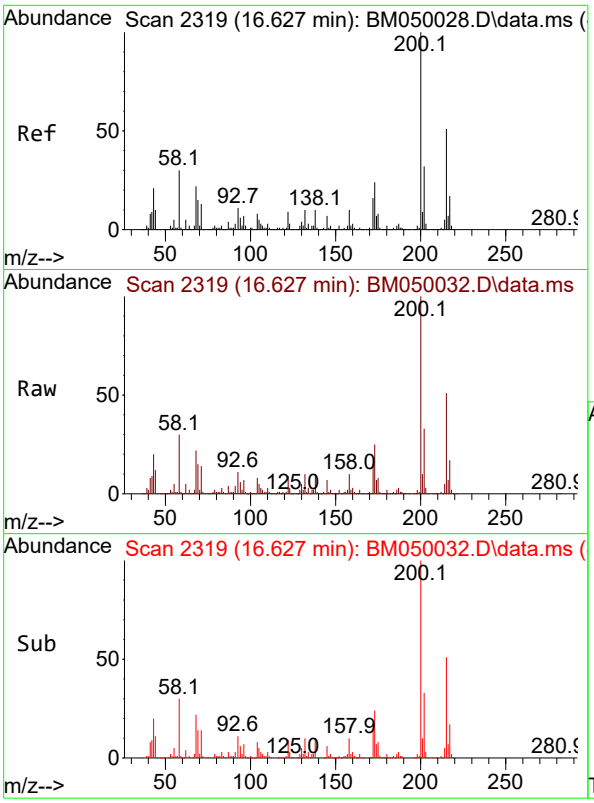


#68
Hexachlorobenzene
Concen: 44.174 ng
RT: 16.468 min Scan# 2292
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:284 Resp: 770651

Ion	Ratio	Lower	Upper
284	100		
142	27.6	23.9	35.9
249	30.4	24.5	36.7

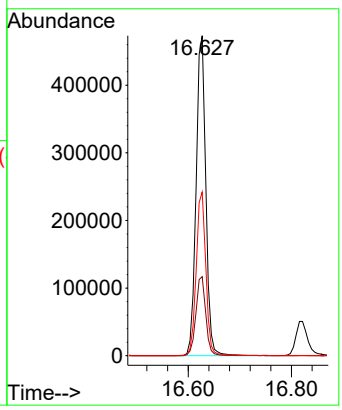




#69
Atrazine
Concen: 44.483 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:200 Resp: 61667

Ion	Ratio	Lower	Upper
200	100		
173	24.7	4.3	44.3
215	51.1	30.6	70.6



Instrument :
BNA_M
ClientSampleId :
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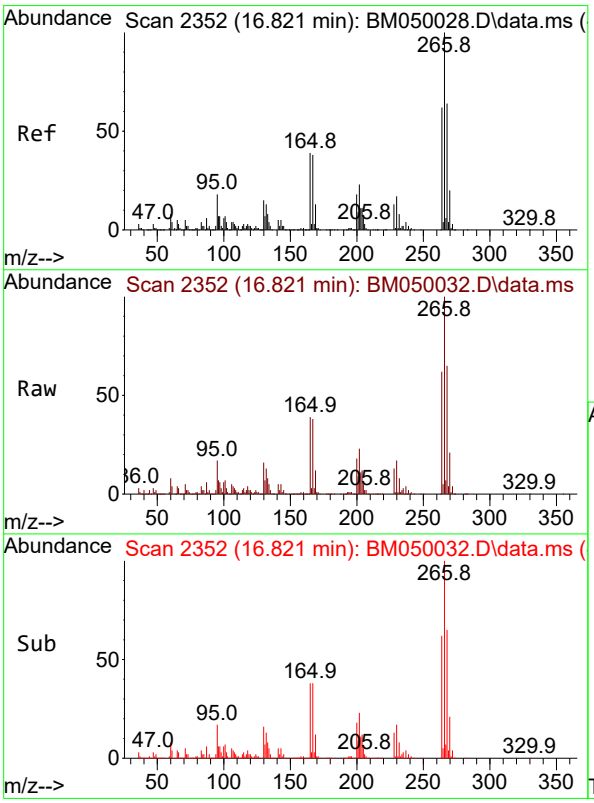
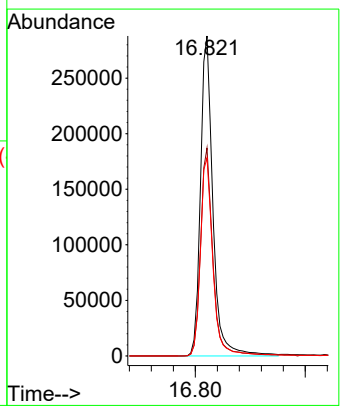
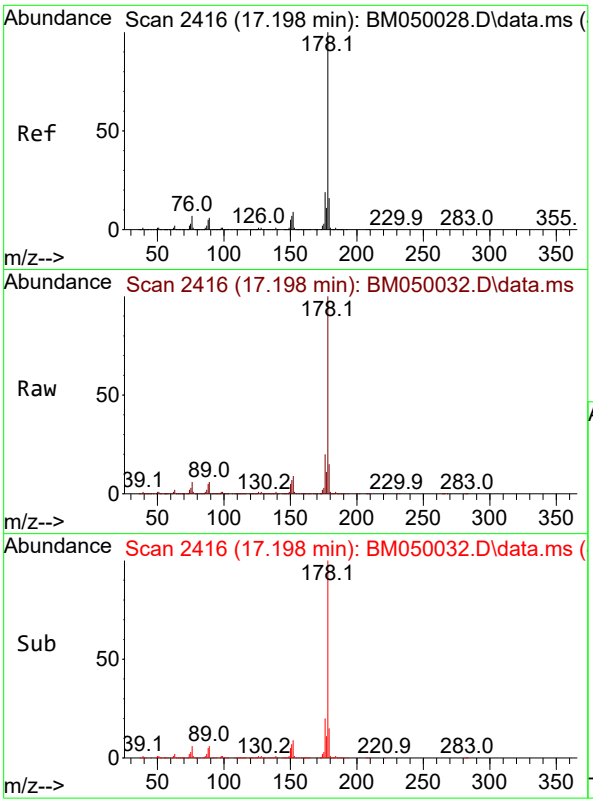


#70
Pentachlorophenol
Concen: 46.059 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:266 Resp: 452303

Ion	Ratio	Lower	Upper
266	100		
268	64.9	51.2	76.8
264	61.9	49.6	74.4

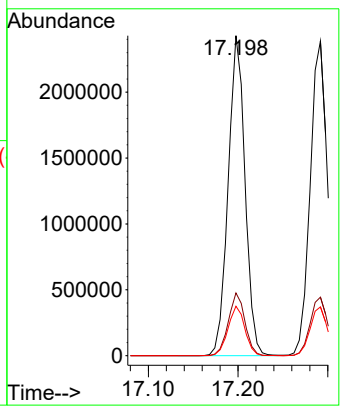




#71
Phenanthrene
Concen: 44.895 ng
RT: 17.198 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:178 Resp: 316914

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	15.4	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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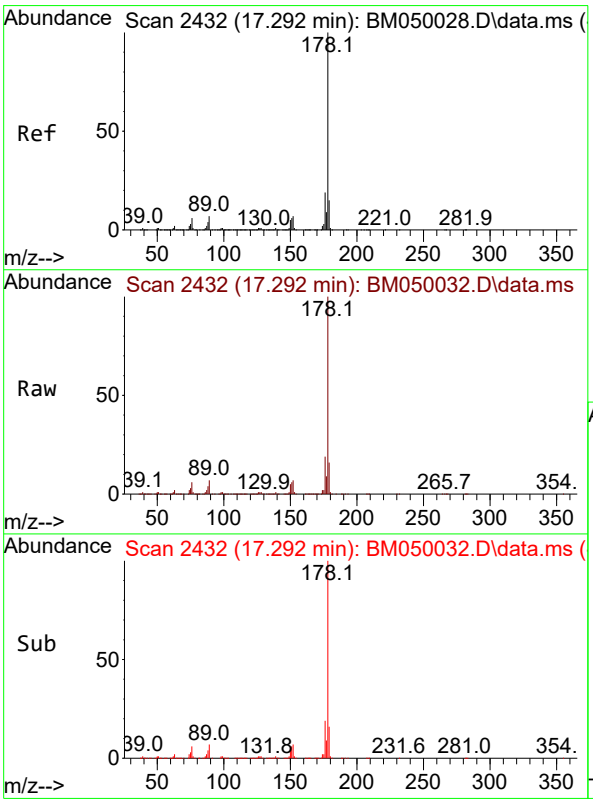
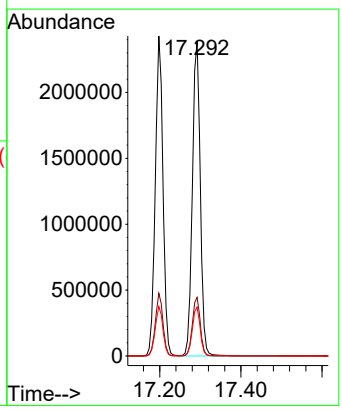
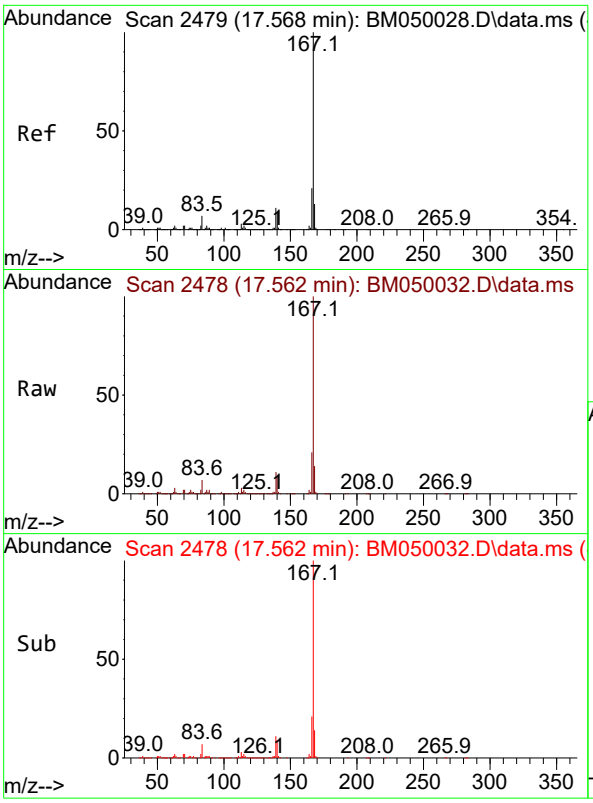


#72
Anthracene
Concen: 45.381 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:178 Resp: 3241829

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.5	12.2	18.4

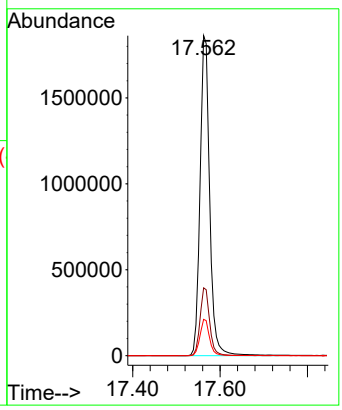




#73
Carbazole
Concen: 46.001 ng
RT: 17.562 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:167 Resp: 285151

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.2	25.8
139	11.3	9.0	13.6



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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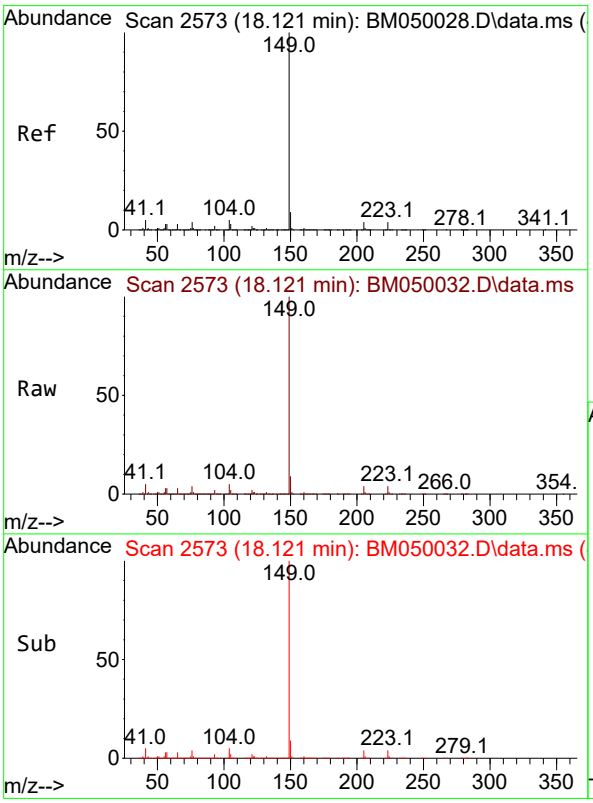
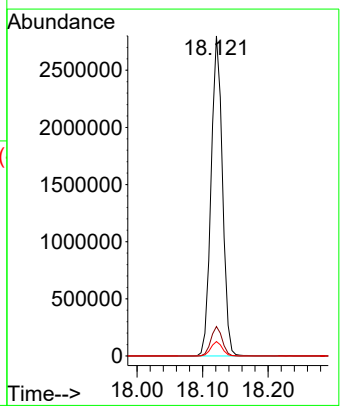
Supervised By :Jagrut Upadhyay 04/29/2025

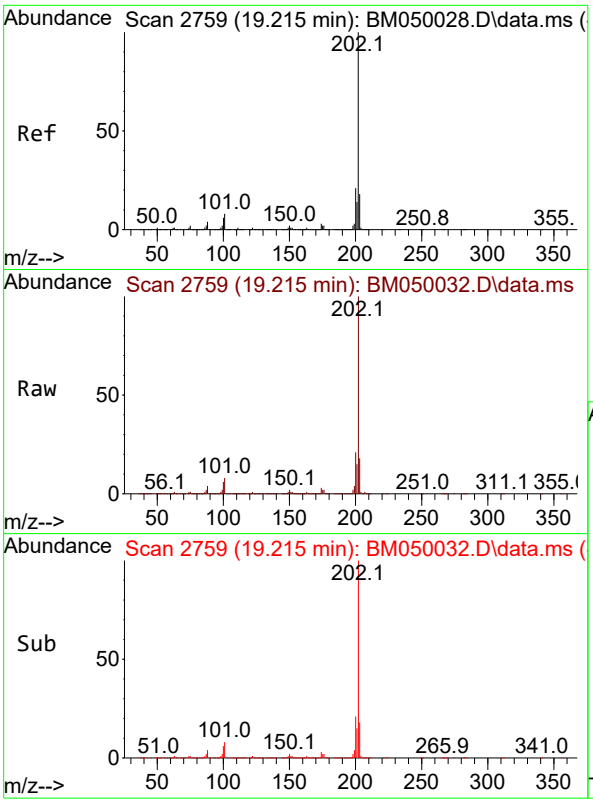


#74
Di-n-butylphthalate
Concen: 45.654 ng
RT: 18.121 min Scan# 2573
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:149 Resp: 3370238

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.5	3.8	5.6

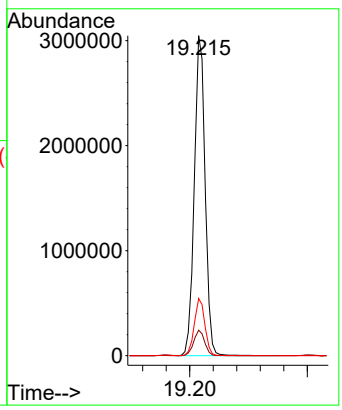




#75
Fluoranthene
Concen: 46.998 ng
RT: 19.215 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:202 Resp: 389504

Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	28.0
203	17.9	0.0	37.7



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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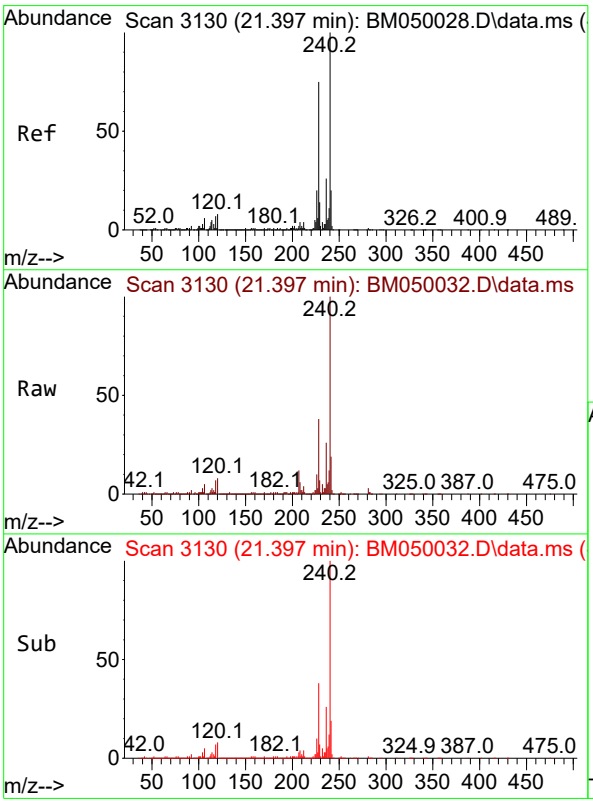
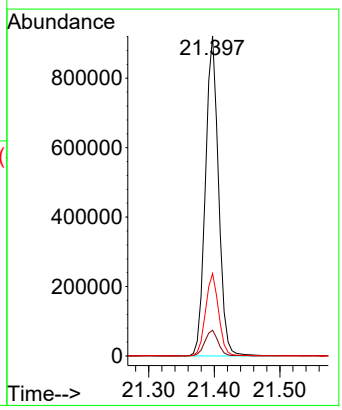
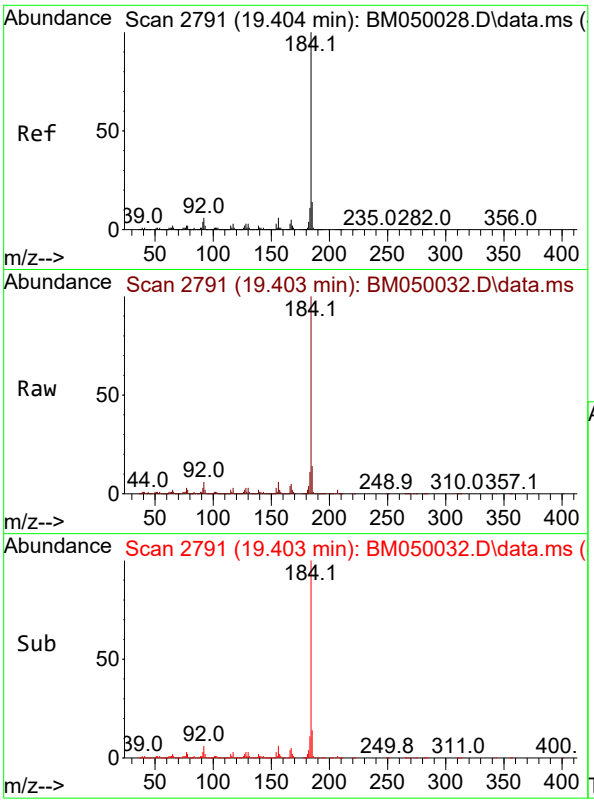


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. 0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:240 Resp: 1285998

Ion	Ratio	Lower	Upper
240	100		
120	8.0	6.5	9.7
236	25.8	20.9	31.3

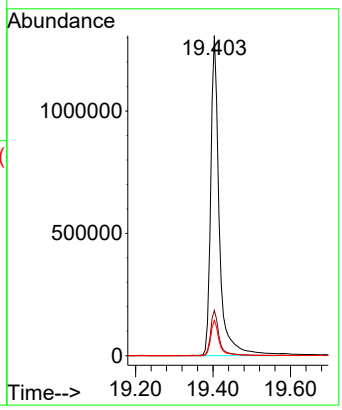




#77
Benzidine
Concen: 44.204 ng
RT: 19.403 min Scan# 2
Delta R.T. -0.001 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:184 Resp: 201920

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.5	17.3
183	11.0	8.9	13.3



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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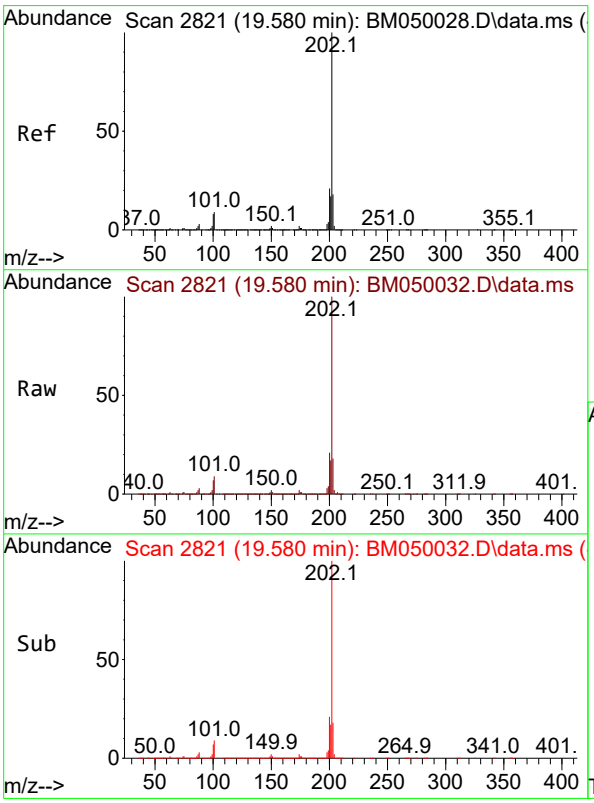
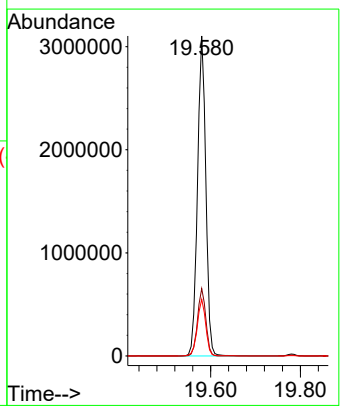
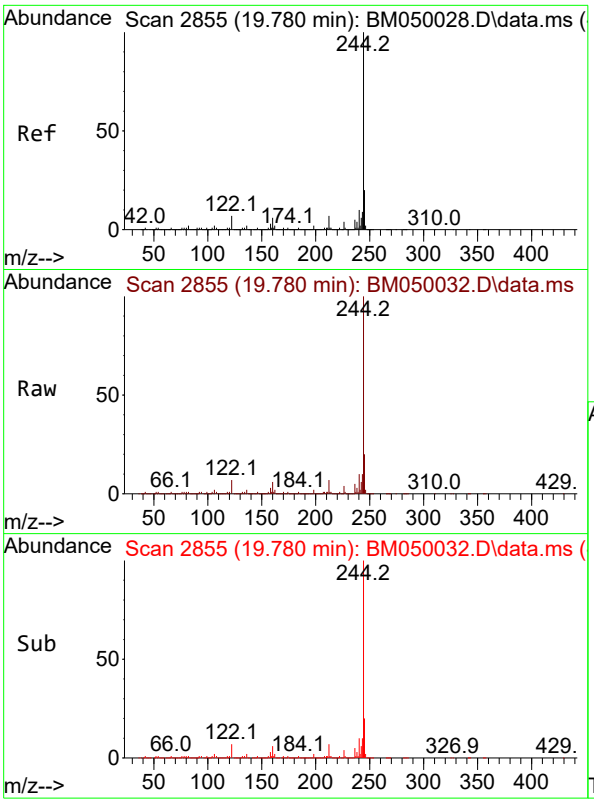


#78
Pyrene
Concen: 44.209 ng
RT: 19.580 min Scan# 2821
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:202 Resp: 3992384

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.7	14.1	21.1

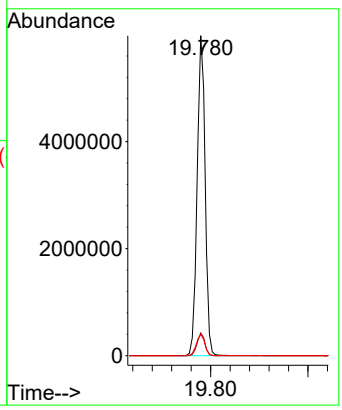




#79
Terphenyl-d14
Concen: 78.970 ng
RT: 19.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:244 Resp: 686305

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	6.6	5.6	8.4



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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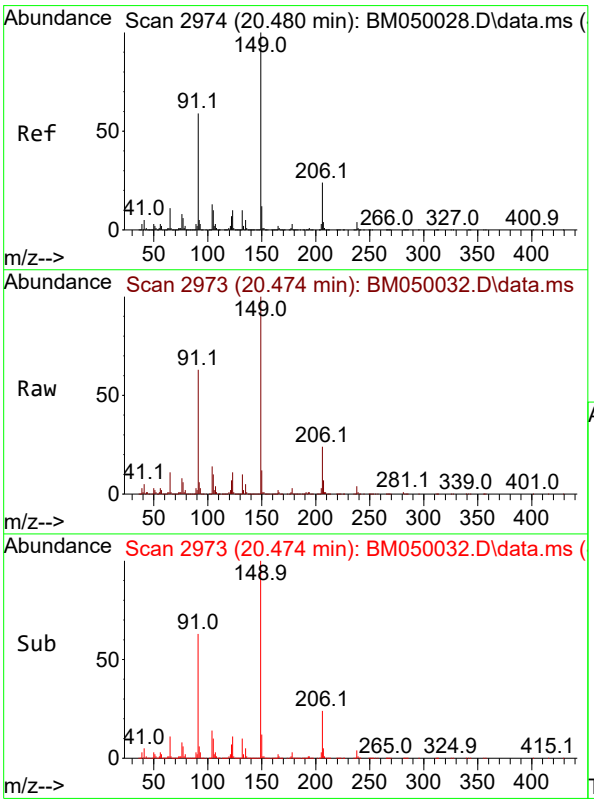
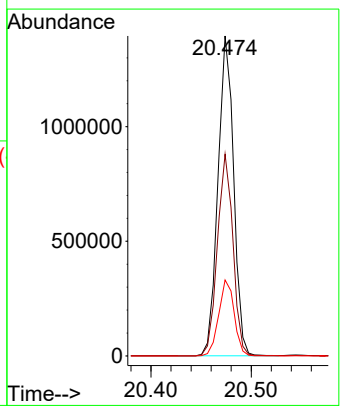
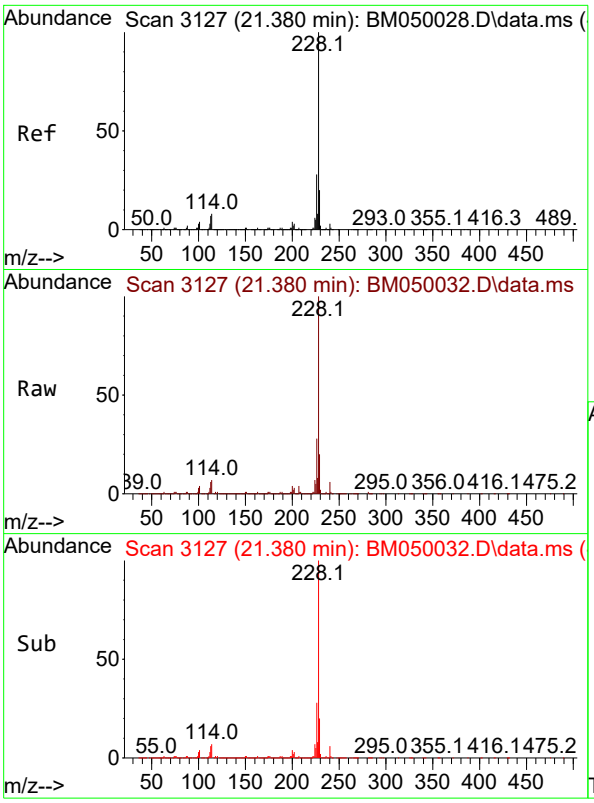


#80
Butylbenzylphthalate
Concen: 44.718 ng
RT: 20.474 min Scan# 2973
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:149 Resp: 1512498

Ion	Ratio	Lower	Upper
149	100		
91	63.0	47.4	71.2
206	23.7	19.4	29.0

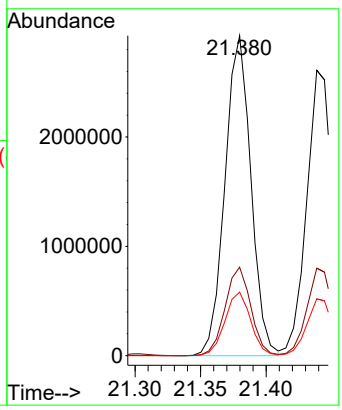




#81
Benzo(a)anthracene
Concen: 45.497 ng
RT: 21.380 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:228 Resp: 402906

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.1	33.1
229	19.8	15.7	23.5



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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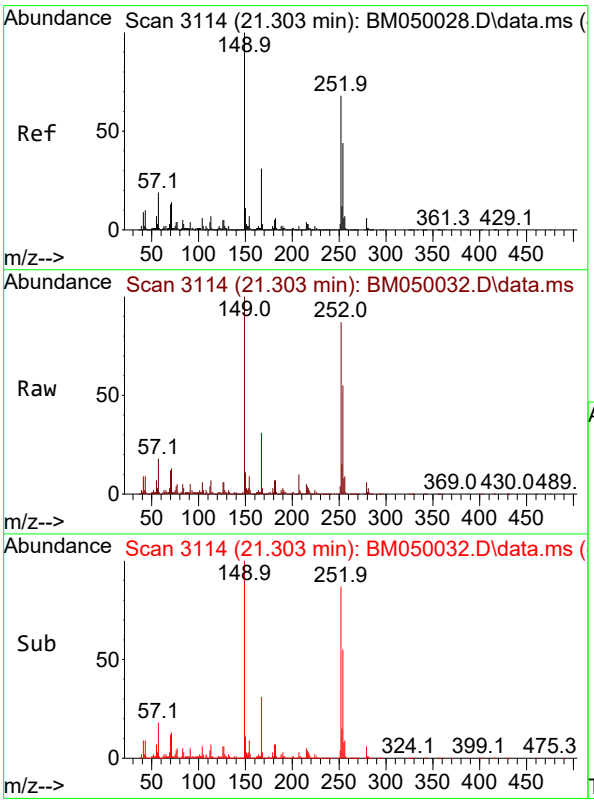
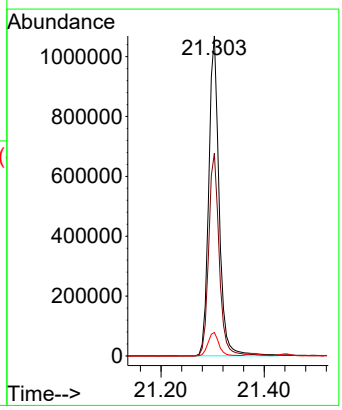
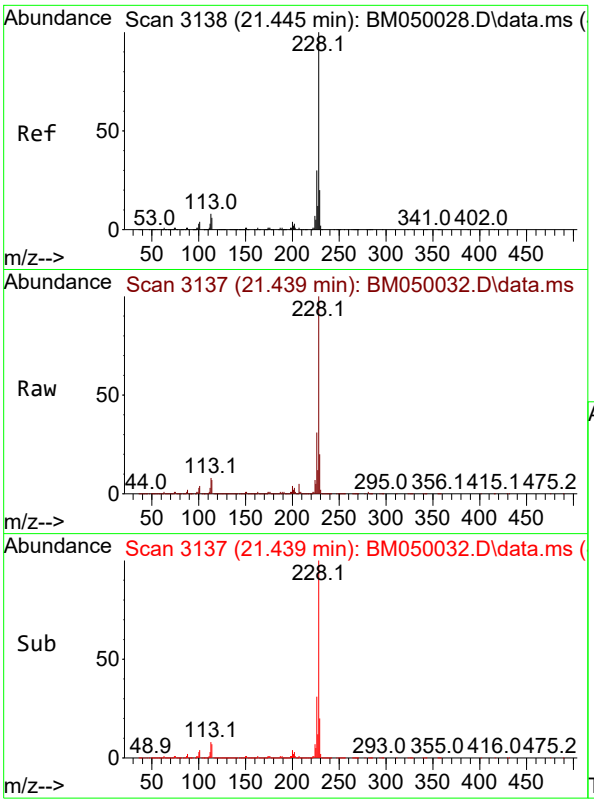


#82
3,3'-Dichlorobenzidine
Concen: 43.871 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:252 Resp: 1487254

Ion	Ratio	Lower	Upper
252	100		
254	63.3	51.8	77.6
126	7.4	6.0	9.0

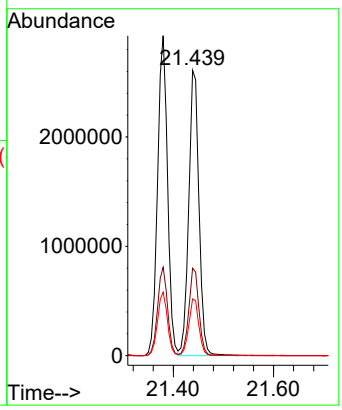




#83
Chrysene
Concen: 44.967 ng
RT: 21.439 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:228 Resp: 368560

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.2	36.2
229	19.9	15.7	23.5



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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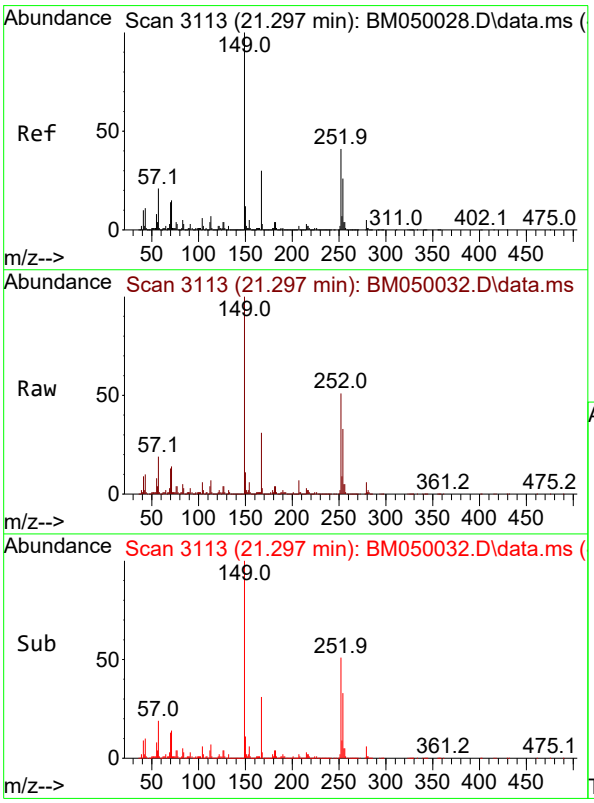
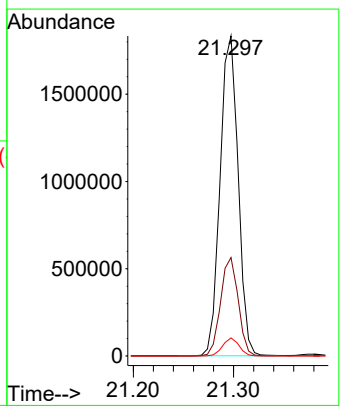
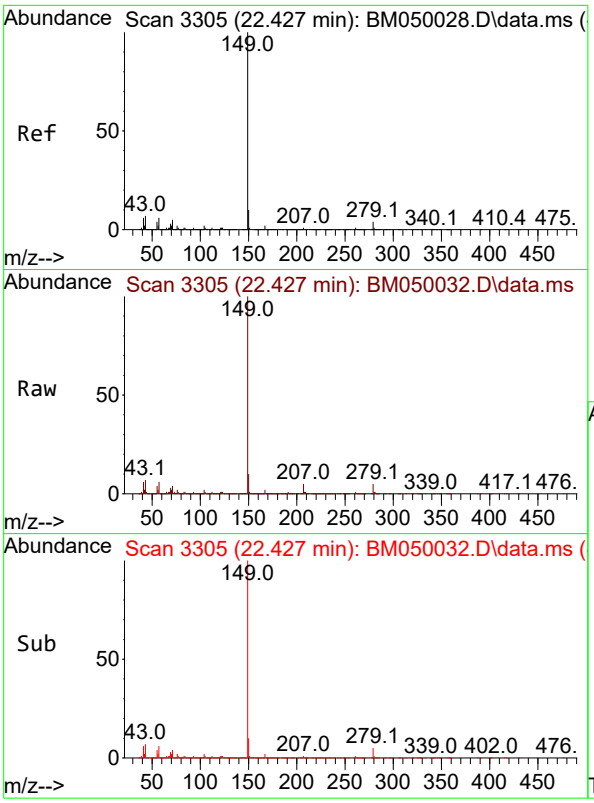


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.224 ng
RT: 21.297 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:149 Resp: 2284769

Ion	Ratio	Lower	Upper
149	100		
167	30.7	24.1	36.1
279	5.6	3.9	5.9

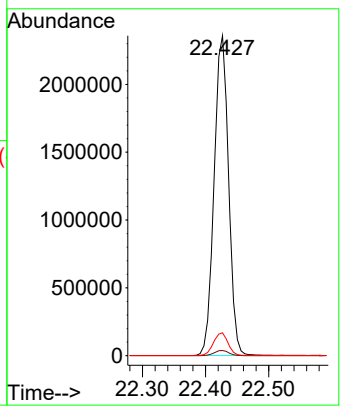




#85
Di-n-octyl phthalate
Concen: 44.974 ng
RT: 22.427 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:149 Resp: 374709

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.2	5.8	8.8



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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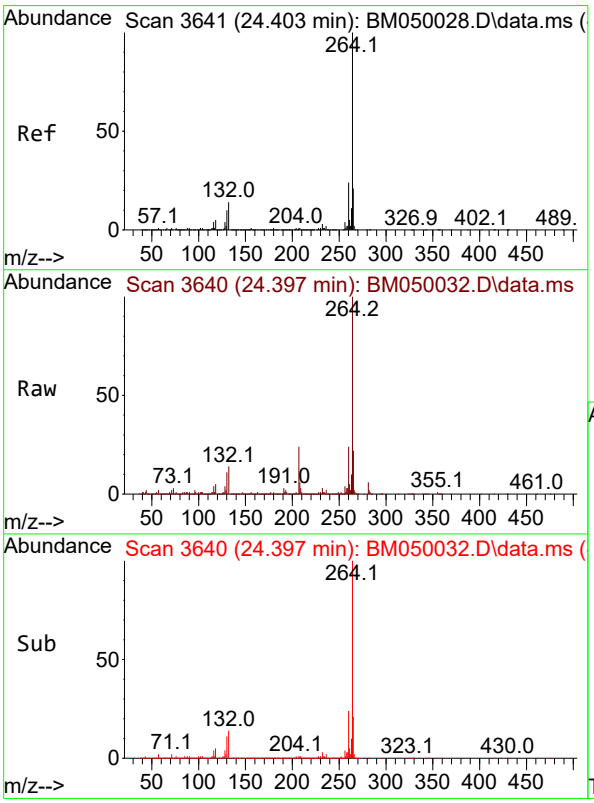
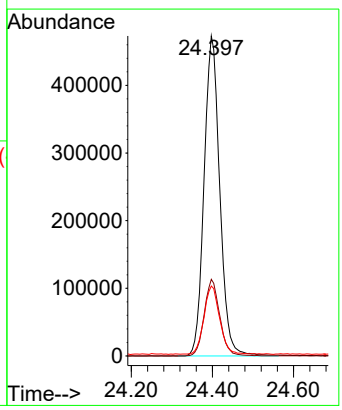
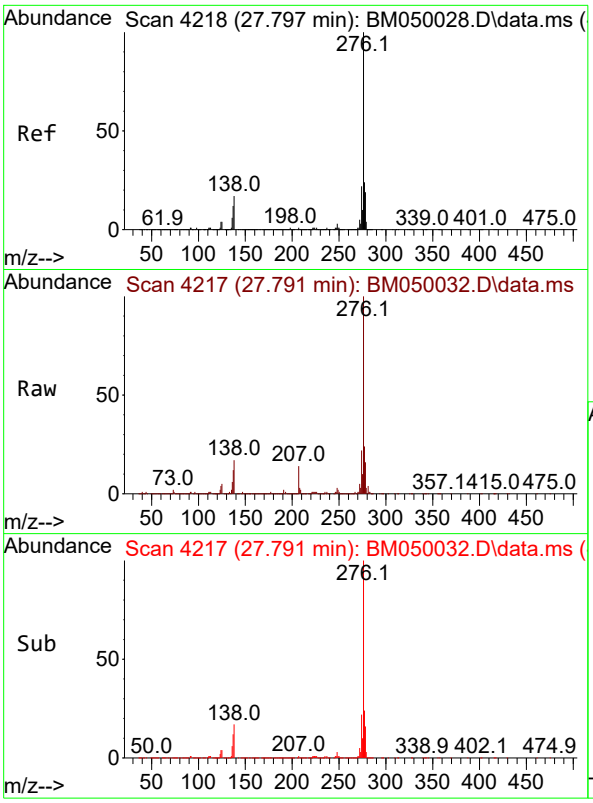


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:264 Resp: 1266367

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	21.9	17.0	25.4

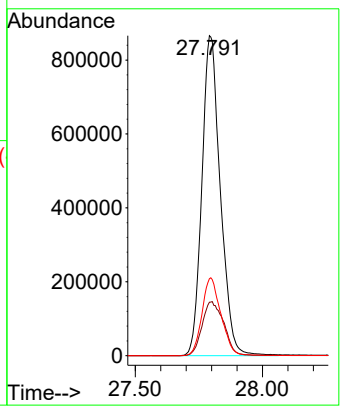




#87
Indeno(1,2,3-cd)pyrene
Concen: 46.249 ng
RT: 27.791 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:276 Resp: 436403

Ion	Ratio	Lower	Upper
276	100		
138	19.8	16.4	24.6
277	25.0	19.8	29.8



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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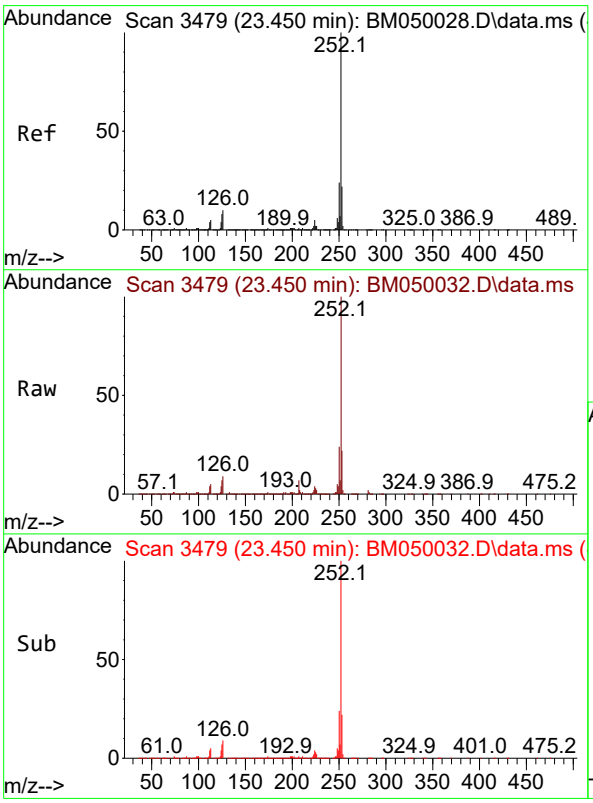
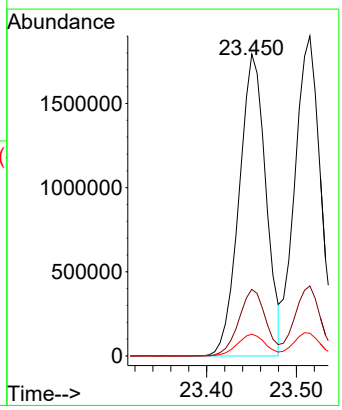
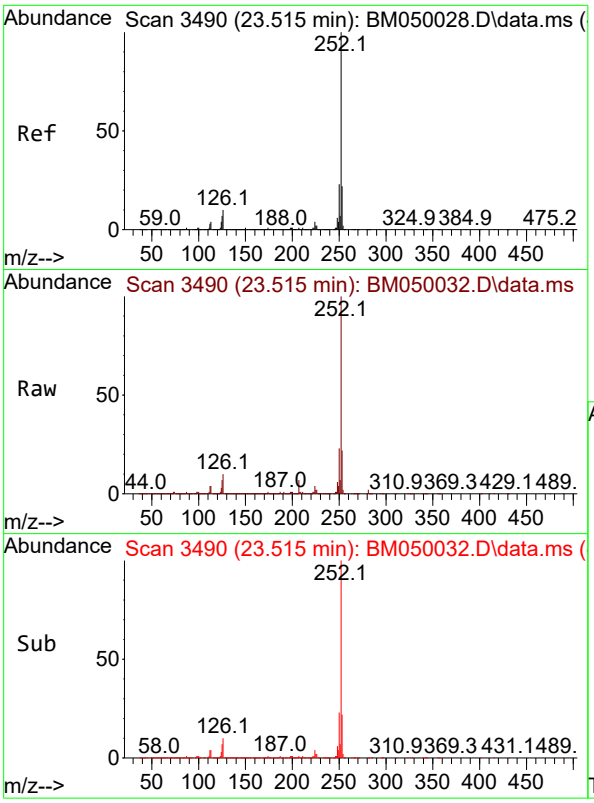


#88
Benzo(b)fluoranthene
Concen: 45.066 ng
RT: 23.450 min Scan# 3479
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:252 Resp: 3711451

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	7.2	6.1	9.1

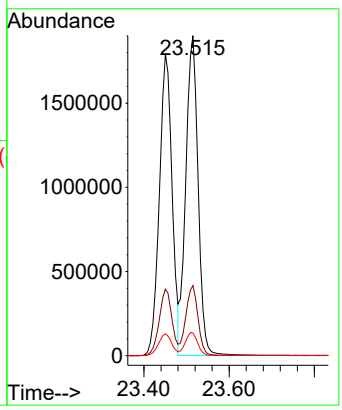




#89
Benzo(k)fluoranthene
Concen: 45.780 ng
RT: 23.515 min Scan# 34
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:252 Resp: 381373

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	7.1	5.8	8.8



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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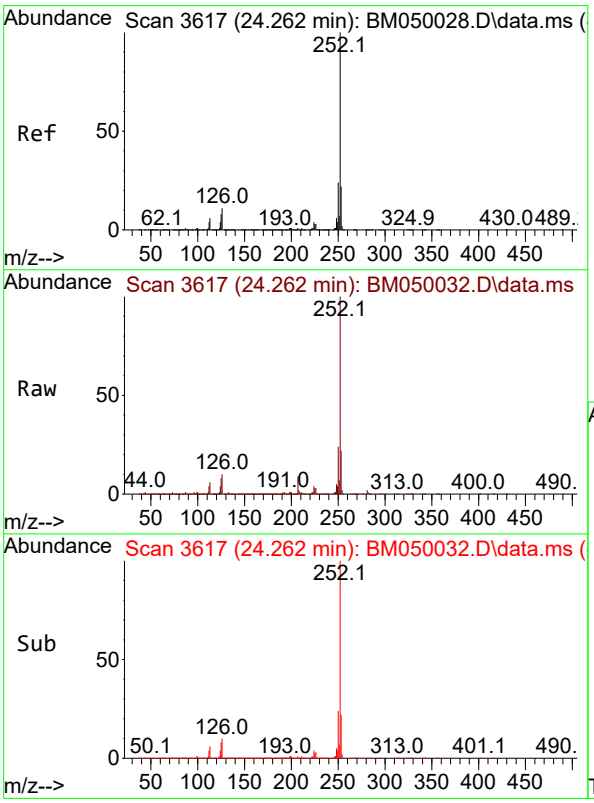
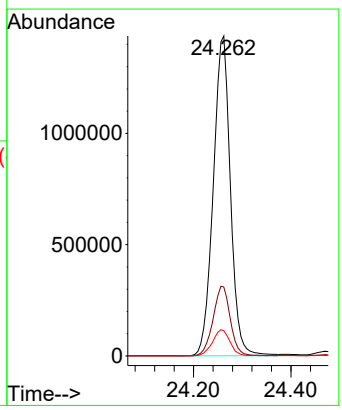
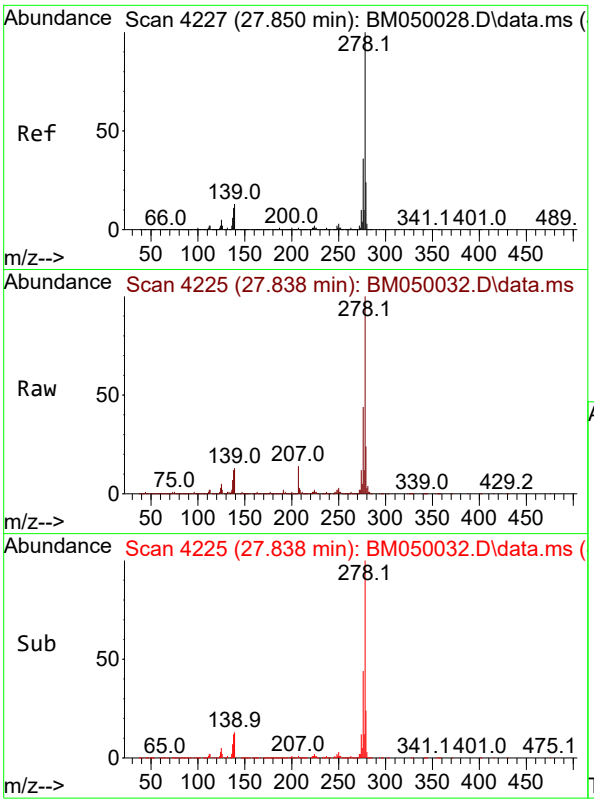


#90
Benzo(a)pyrene
Concen: 45.577 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:252 Resp: 3515582

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.0
125	7.9	6.6	9.8

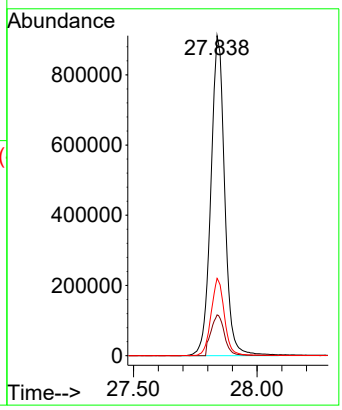




#91
Dibenzo(a,h)anthracene
Concen: 46.091 ng
RT: 27.838 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:278 Resp: 354529

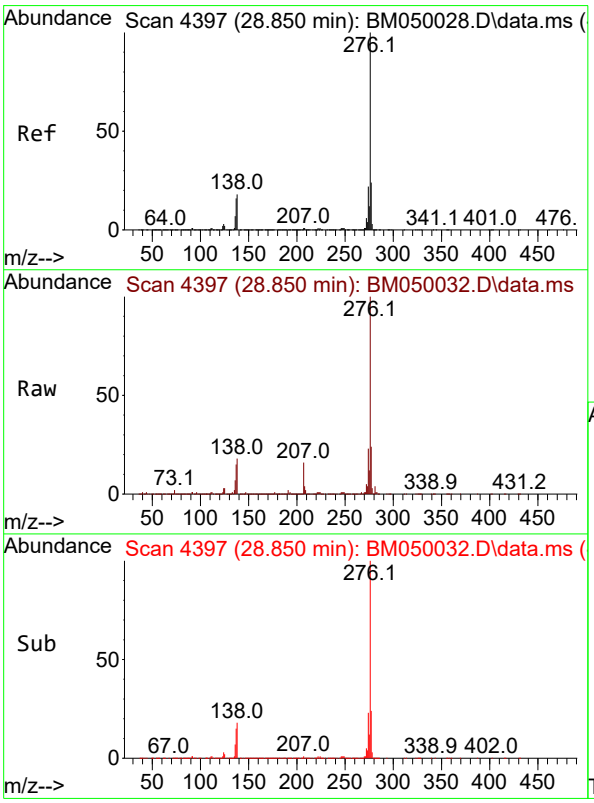
Ion	Ratio	Lower	Upper
278	100		
139	12.7	10.5	15.7
279	24.1	19.4	29.0



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Manual Integrations
APPROVED

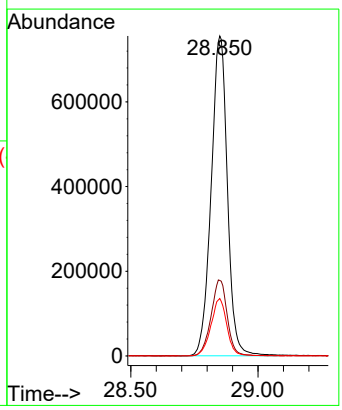
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#92
Benzo(g,h,i)perylene
Concen: 45.437 ng
RT: 28.850 min Scan# 4397
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:276 Resp: 3345997

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.1	28.7
138	17.9	14.3	21.5



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050032.D
Acq On : 28 Apr 2025 17:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Quant Time: Apr 28 18:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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	95	0.00
2		1,4-Dioxane	0.490	0.551	-12.4	103	0.00
3		Pyridine	1.258	1.464	-16.4	105	0.00
4		n-Nitrosodimethylamine	0.493	0.567	-15.0	104	0.00
5	S	2-Fluorophenol	1.142	1.255	-9.9	99	0.00
6		Aniline	1.813	2.118	-16.8	104	0.00
7	S	Phenol-d6	1.436	1.617	-12.6	100	0.00
8		2-Chlorophenol	1.235	1.412	-14.3	103	0.00
9		Benzaldehyde	0.961	1.055	-9.8	98	0.00
10	C	Phenol	1.453	1.704	-17.3	106	0.00
11		bis(2-Chloroethyl)ether	1.213	1.381	-13.8	103	0.00
12		1,3-Dichlorobenzene	1.492	1.666	-11.7	102	0.00
13	C	1,4-Dichlorobenzene	1.499	1.684	-12.3	103	0.00
14		1,2-Dichlorobenzene	1.448	1.635	-12.9	103	0.00
15		Benzyl Alcohol	0.996	1.199	-20.4	106	0.00
16		2,2'-oxybis(1-Chloropropane	1.475	1.657	-12.3	102	0.00
17		2-Methylphenol	0.957	1.129	-18.0	104	0.00
18		Hexachloroethane	0.533	0.596	-11.8	102	0.00
19	P	n-Nitroso-di-n-propylamine	0.921	1.102	-19.7	105	0.00
20		3+4-Methylphenols	1.293	1.551	-20.0	106	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	99	0.00
22		Acetophenone	0.497	0.561	-12.9	104	0.00
23	S	Nitrobenzene-d5	0.406	0.395	2.7	90	0.00
24		Nitrobenzene	0.351	0.396	-12.8	104	0.00
25		Isophorone	0.692	0.789	-14.0	107	0.00
26	C	2-Nitrophenol	0.179	0.211	-17.9	106	0.00
27		2,4-Dimethylphenol	0.297	0.345	-16.2	105	0.00
28		bis(2-Chloroethoxy)methane	0.428	0.480	-12.1	104	0.00
29	C	2,4-Dichlorophenol	0.333	0.386	-15.9	105	0.00
30		1,2,4-Trichlorobenzene	0.406	0.450	-10.8	104	0.00
31		Naphthalene	1.013	1.131	-11.6	105	0.00
32		Benzoic acid	0.190	0.219	-15.3	109	0.00
33		4-Chloroaniline	0.415	0.492	-18.6	110	0.00
34	C	Hexachlorobutadiene	0.258	0.284	-10.1	103	0.00
35		Caprolactam	0.097	0.113	-16.5	107	0.00
36	C	4-Chloro-3-methylphenol	0.308	0.360	-16.9	109	0.00
37		2-Methylnaphthalene	0.679	0.770	-13.4	107	0.00
38		1-Methylnaphthalene	0.719	0.812	-12.9	106	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00
40		1,2,4,5-Tetrachlorobenzene	0.692	0.764	-10.4	105	0.00
41	P	Hexachlorocyclopentadiene	0.423	0.469	-10.9	106	0.00
42	S	2,4,6-Tribromophenol	0.296	0.335	-13.2	108	0.00
43	C	2,4,6-Trichlorophenol	0.439	0.506	-15.3	109	0.00
44		2,4,5-Trichlorophenol	0.474	0.548	-15.6	108	0.00
45	S	2-Fluorobiphenyl	1.691	1.612	4.7	91	0.00
46		1,1'-Biphenyl	1.487	1.643	-10.5	107	0.00
47		2-Chloronaphthalene	1.177	1.315	-11.7	108	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050032.D
Acq On : 28 Apr 2025 17:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Quant Time: Apr 28 18:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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	0.276	0.329	-19.2	112	0.00
49		Acenaphthylene	1.857	2.103	-13.2	109	0.00
50		Dimethylphthalate	1.462	1.657	-13.3	111	0.00
51		2,6-Dinitrotoluene	0.303	0.360	-18.8	113	0.00
52	C	Acenaphthene	1.075	1.215	-13.0	110	0.00
53		3-Nitroaniline	0.289	0.353	-22.1	113	0.00
54	P	2,4-Dinitrophenol	0.164	0.206	-25.6#	119	0.00
55		Dibenzofuran	1.788	2.004	-12.1	109	0.00
56	P	4-Nitrophenol	0.205	0.258	-25.9#	118	0.00
57		2,4-Dinitrotoluene	0.418	0.505	-20.8	113	0.00
58		Fluorene	1.463	1.687	-15.3	111	0.00
59		2,3,4,6-Tetrachlorophenol	0.410	0.481	-17.3	113	0.00
60		Diethylphthalate	1.377	1.560	-13.3	111	0.00
61		4-Chlorophenyl-phenylether	0.804	0.923	-14.8	110	0.00
62		4-Nitroaniline	0.279	0.353	-26.5#	115	0.00
63		Azobenzene	1.154	1.320	-14.4	111	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	108	0.00
65		4,6-Dinitro-2-methylphenol	0.125	0.147	-17.6	117	0.00
66	c	n-Nitrosodiphenylamine	0.614	0.683	-11.2	112	0.00
67		4-Bromophenyl-phenylether	0.242	0.266	-9.9	111	0.00
68		Hexachlorobenzene	0.279	0.308	-10.4	113	0.00
69		Atrazine	0.222	0.246	-10.8	112	0.00
70	C	Pentachlorophenol	0.157	0.181	-15.3	117	0.00
71		Phenanthrene	1.128	1.266	-12.2	115	0.00
72		Anthracene	1.142	1.295	-13.4	115	0.00
73		Carbazole	0.991	1.139	-14.9	116	0.00
74		Di-n-butylphthalate	1.180	1.346	-14.1	116	0.00
75	C	Fluoranthene	1.324	1.556	-17.5	119	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	115	0.00
77		Benzidine	0.710	0.785	-10.6	117	0.00
78		Pyrene	1.404	1.552	-10.5	118	0.00
79	S	Terphenyl-d14	1.352	1.334	1.3	101	0.00
80		Butylbenzylphthalate	0.526	0.588	-11.8	121	0.00
81		Benzo(a)anthracene	1.377	1.567	-13.8	122	0.00
82		3,3'-Dichlorobenzidine	0.527	0.578	-9.7	115	0.00
83		Chrysene	1.275	1.433	-12.4	123	0.00
84		Bis(2-ethylhexyl)phthalate	0.786	0.888	-13.0	122	0.00
85	c	Di-n-octyl phthalate	1.296	1.457	-12.4	123	0.00
86	I	Perylene-d12	1.000	1.000	0.0	118	0.00
87		Indeno(1,2,3-cd)pyrene	1.490	1.723	-15.6	127	0.00
88		Benzo(b)fluoranthene	1.301	1.465	-12.6	123	0.00
89		Benzo(k)fluoranthene	1.316	1.506	-14.4	128	0.00
90	C	Benzo(a)pyrene	1.218	1.388	-14.0	127	0.00
91		Dibenzo(a,h)anthracene	1.215	1.400	-15.2	127	-0.01
92		Benzo(g,h,i)perylene	1.163	1.321	-13.6	126	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050032.D
Acq On : 28 Apr 2025 17:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Quant Time: Apr 28 18:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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_M\Data\BM042825\
Data File : BM050032.D
Acq On : 28 Apr 2025 17:43
Operator : RC/JU
Sample : SSTDICV040
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Instrument :
BNA_M
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Quant Time: Apr 28 18:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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	95	0.00
2		1,4-Dioxane	40.000	44.976	-12.4	103	0.00
3		Pyridine	40.000	46.534	-16.3	105	0.00
4		n-Nitrosodimethylamine	40.000	45.956	-14.9	104	0.00
5	S	2-Fluorophenol	80.000	87.928	-9.9	99	0.00
6		Aniline	40.000	46.744	-16.9	104	0.00
7	S	Phenol-d6	80.000	90.140	-12.7	100	0.00
8		2-Chlorophenol	40.000	45.724	-14.3	103	0.00
9		Benzaldehyde	40.000	43.937	-9.8	98	0.00
10	C	Phenol	40.000	46.913	-17.3	106	0.00
11		bis(2-Chloroethyl)ether	40.000	45.521	-13.8	103	0.00
12		1,3-Dichlorobenzene	40.000	44.672	-11.7	102	0.00
13	C	1,4-Dichlorobenzene	40.000	44.941	-12.4	103	0.00
14		1,2-Dichlorobenzene	40.000	45.174	-12.9	103	0.00
15		Benzyl Alcohol	40.000	48.167	-20.4	106	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	44.929	-12.3	102	0.00
17		2-Methylphenol	40.000	47.153	-17.9	104	0.00
18		Hexachloroethane	40.000	44.738	-11.8	102	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	47.892	-19.7	105	0.00
20		3+4-Methylphenols	40.000	47.974	-19.9	106	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	99	0.00
22		Acetophenone	40.000	45.153	-12.9	104	0.00
23	S	Nitrobenzene-d5	80.000	77.798	2.8	90	0.00
24		Nitrobenzene	40.000	45.104	-12.8	104	0.00
25		Isophorone	40.000	45.596	-14.0	107	0.00
26	C	2-Nitrophenol	40.000	47.087	-17.7	106	0.00
27		2,4-Dimethylphenol	40.000	46.404	-16.0	105	0.00
28		bis(2-Chloroethoxy)methane	40.000	44.920	-12.3	104	0.00
29	C	2,4-Dichlorophenol	40.000	46.375	-15.9	105	0.00
30		1,2,4-Trichlorobenzene	40.000	44.348	-10.9	104	0.00
31		Naphthalene	40.000	44.651	-11.6	105	0.00
32		Benzoic acid	40.000	46.063	-15.2	109	0.00
33		4-Chloroaniline	40.000	47.375	-18.4	110	0.00
34	C	Hexachlorobutadiene	40.000	44.034	-10.1	103	0.00
35		Caprolactam	40.000	46.481	-16.2	107	0.00
36	C	4-Chloro-3-methylphenol	40.000	46.825	-17.1	109	0.00
37		2-Methylnaphthalene	40.000	45.374	-13.4	107	0.00
38		1-Methylnaphthalene	40.000	45.198	-13.0	106	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	102	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	44.140	-10.4	105	0.00
41	P	Hexachlorocyclopentadiene	40.000	44.374	-10.9	106	0.00
42	S	2,4,6-Tribromophenol	80.000	90.503	-13.1	108	0.00
43	C	2,4,6-Trichlorophenol	40.000	46.094	-15.2	109	0.00
44		2,4,5-Trichlorophenol	40.000	46.271	-15.7	108	0.00
45	S	2-Fluorobiphenyl	80.000	76.259	4.7	91	0.00
46		1,1'-Biphenyl	40.000	44.207	-10.5	107	0.00
47		2-Chloronaphthalene	40.000	44.684	-11.7	108	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050032.D
Acq On : 28 Apr 2025 17:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Quant Time: Apr 28 18:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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	47.621	-19.1	112	0.00
49		Acenaphthylene	40.000	45.315	-13.3	109	0.00
50		Dimethylphthalate	40.000	45.338	-13.3	111	0.00
51		2,6-Dinitrotoluene	40.000	47.554	-18.9	113	0.00
52	C	Acenaphthene	40.000	45.210	-13.0	110	0.00
53		3-Nitroaniline	40.000	48.843	-22.1	113	0.00
54	P	2,4-Dinitrophenol	40.000	45.189	-13.0	119	0.00
55		Dibenzofuran	40.000	44.828	-12.1	109	0.00
56	P	4-Nitrophenol	40.000	46.012	-15.0	118	0.00
57		2,4-Dinitrotoluene	40.000	48.311	-20.8	113	0.00
58		Fluorene	40.000	46.115	-15.3	111	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	46.970	-17.4	113	0.00
60		Diethylphthalate	40.000	45.299	-13.2	111	0.00
61		4-Chlorophenyl-phenylether	40.000	45.950	-14.9	110	0.00
62		4-Nitroaniline	40.000	50.610	-26.5#	115	0.00
63		Azobenzene	40.000	45.747	-14.4	111	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	108	0.00
65		4,6-Dinitro-2-methylphenol	40.000	46.920	-17.3	117	0.00
66	c	n-Nitrosodiphenylamine	40.000	44.485	-11.2	112	0.00
67		4-Bromophenyl-phenylether	40.000	43.944	-9.9	111	0.00
68		Hexachlorobenzene	40.000	44.174	-10.4	113	0.00
69		Atrazine	40.000	44.483	-11.2	112	0.00
70	C	Pentachlorophenol	40.000	46.059	-15.1	117	0.00
71		Phenanthrene	40.000	44.895	-12.2	115	0.00
72		Anthracene	40.000	45.381	-13.5	115	0.00
73		Carbazole	40.000	46.001	-15.0	116	0.00
74		Di-n-butylphthalate	40.000	45.654	-14.1	116	0.00
75	C	Fluoranthene	40.000	46.998	-17.5	119	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	115	0.00
77		Benzidine	40.000	44.204	-10.5	117	0.00
78		Pyrene	40.000	44.209	-10.5	118	0.00
79	S	Terphenyl-d14	80.000	78.970	1.3	101	0.00
80		Butylbenzylphthalate	40.000	44.718	-11.8	121	0.00
81		Benzo(a)anthracene	40.000	45.497	-13.7	122	0.00
82		3,3'-Dichlorobenzidine	40.000	43.871	-9.7	115	0.00
83		Chrysene	40.000	44.967	-12.4	123	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	45.224	-13.1	122	0.00
85	c	Di-n-octyl phthalate	40.000	44.974	-12.4	123	0.00
86	I	Perylene-d12	20.000	20.000	0.0	118	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	46.249	-15.6	127	0.00
88		Benzo(b)fluoranthene	40.000	45.066	-12.7	123	0.00
89		Benzo(k)fluoranthene	40.000	45.780	-14.5	128	0.00
90	C	Benzo(a)pyrene	40.000	45.577	-13.9	127	0.00
91		Dibenzo(a,h)anthracene	40.000	46.091	-15.2	127	-0.01
92		Benzo(g,h,i)perylene	40.000	45.437	-13.6	126	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050032.D
Acq On : 28 Apr 2025 17:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Quant Time: Apr 28 18:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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: **BF142250.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.: Q1901 SAS No.: Q1901 SDG No.: Q1901

Instrument ID: BNA_F Calibration Date/Time: 05/01/2025 10:17

Lab File ID: BF142250.D Init. Calib. Date(s): 04/30/2025 04/30/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:24 14:43

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.252	1.250		-0.2	
Benzaldehyde	1.057	1.122		6.1	
Phenol-d6	1.512	1.575		4.2	
Phenol	1.628	1.656		1.7	20.0
bis(2-Chloroethyl)ether	1.262	1.326		5.1	
2-Chlorophenol	1.294	1.275		-1.5	
2-Methylphenol	1.060	1.103		4.1	
2,2-oxybis(1-Chloropropane)	2.278	2.385		4.7	
Acetophenone	0.463	0.480		3.7	
3+4-Methylphenols	1.326	1.404		5.9	
n-Nitroso-di-n-propylamine	0.934	0.954	0.050	2.1	
Nitrobenzene-d5	0.304	0.333		9.5	
Hexachloroethane	0.483	0.505		4.6	
Nitrobenzene	0.299	0.320		7.0	
Isophorone	0.639	0.672		5.2	
2-Nitrophenol	0.102	0.098		-3.9	20.0
2,4-Dimethylphenol	0.322	0.337		4.7	
bis(2-Chloroethoxy)methane	0.403	0.421		4.5	
2,4-Dichlorophenol	0.269	0.285		5.9	20.0
Naphthalene	0.997	1.030		3.3	
4-Chloroaniline	0.415	0.433		4.3	
Hexachlorobutadiene	0.175	0.186		6.3	20.0
Caprolactam	0.081	0.090		11.1	
4-Chloro-3-methylphenol	0.277	0.300		8.3	20.0
2-Methylnaphthalene	0.613	0.635		3.6	
Hexachlorocyclopentadiene	0.319	0.316	0.050	-0.9	
2,4,6-Trichlorophenol	0.349	0.354		1.4	20.0
2-Fluorobiphenyl	1.418	1.409		-0.6	
2,4,5-Trichlorophenol	0.367	0.386		5.2	
1,1-Biphenyl	1.555	1.591		2.3	
2-Chloronaphthalene	1.157	1.176		1.6	
2-Nitroaniline	0.249	0.277		11.2	
Dimethylphthalate	1.280	1.346		5.2	
Acenaphthylene	1.952	1.996		2.3	
2,6-Dinitrotoluene	0.204	0.231		13.2	
3-Nitroaniline	0.257	0.296		15.2	
Acenaphthene	1.140	1.185		3.9	20.0
2,4-Dinitrophenol	0.058	0.056	0.050	-3.4	
4-Nitrophenol	0.201	0.210	0.050	4.5	

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.: Q1901 SAS No.: Q1901 SDG No.: Q1901

Instrument ID: BNA_F Calibration Date/Time: 05/01/2025 10:17

Lab File ID: BF142250.D Init. Calib. Date(s): 04/30/2025 04/30/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:24 14:43

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.709	1.772		3.7	
2,4-Dinitrotoluene	0.239	0.289		20.9	
Diethylphthalate	1.264	1.352		7.0	
4-Chlorophenyl-phenylether	0.617	0.638		3.4	
Fluorene	1.299	1.322		1.8	
4-Nitroaniline	0.238	0.283		18.9	
4,6-Dinitro-2-methylphenol	0.054	0.053		-1.9	
n-Nitrosodiphenylamine	0.683	0.706		3.4	20.0
2,4,6-Tribromophenol	0.182	0.196		7.7	
4-Bromophenyl-phenylether	0.223	0.235		5.4	
Hexachlorobenzene	0.249	0.257		3.2	
Atrazine	0.180	0.204		13.3	
Pentachlorophenol	0.132	0.137		3.8	20.0
Phenanthrene	1.080	1.116		3.3	
Anthracene	1.105	1.142		3.3	
Carbazole	1.008	1.044		3.6	
Di-n-butylphthalate	1.013	1.137		12.2	
Fluoranthene	1.068	1.147		7.4	20.0
Pyrene	1.845	1.938		5.0	
Terphenyl-d14	1.375	1.422		3.4	
Butylbenzylphthalate	0.426	0.502		17.8	
3,3-Dichlorobenzidine	0.394	0.420		6.6	
Benzo(a)anthracene	1.343	1.378		2.6	
Chrysene	1.222	1.297		6.1	
Bis(2-ethylhexyl)phthalate	0.604	0.621		2.8	
Di-n-octyl phthalate	1.133	1.018		-10.1	20.0
Benzo(b)fluoranthene	1.242	1.242		0.0	
Benzo(k)fluoranthene	1.136	1.240		9.2	
Benzo(a)pyrene	1.137	1.193		4.9	20.0
Indeno(1,2,3-cd)pyrene	1.465	1.533		4.6	
Dibenzo(a,h)anthracene	1.189	1.258		5.8	
Benzo(g,h,i)perylene	1.195	1.250		4.6	
1,2,4,5-Tetrachlorobenzene	0.563	0.572		1.6	
1,4-Dioxane	0.559	0.579		3.6	20.0
2,3,4,6-Tetrachlorophenol	0.304	0.323		6.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142250.D
Acq On : 01 May 2025 10:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: May 01 11:46:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	186578	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	719586	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	381198	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	647816	20.000	ng	0.00
76) Chrysene-d12	14.074	240	384442	20.000	ng	0.00
86) Perylene-d12	15.562	264	349272	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	932561	79.825	ng	0.00
7) Phenol-d6	6.522	99	1175099	83.296	ng	0.00
23) Nitrobenzene-d5	7.475	82	958053	87.469	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	298805	85.983	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	2147916	79.446	ng	0.00
79) Terphenyl-d14	13.021	244	2186580	82.722	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.699	88	216157	41.429	ng	98
3) Pyridine	3.463	79	571670	42.158	ng	98
4) n-Nitrosodimethylamine	3.410	42	297662	42.418	ng	97
6) Aniline	6.569	93	830257	41.579	ng	100
8) 2-Chlorophenol	6.687	128	475745	39.409	ng	98
9) Benzaldehyde	6.457	77	418699	42.464	ng	100
10) Phenol	6.540	94	617909m	40.684	ng	
11) bis(2-Chloroethyl)ether	6.640	93	494668	42.030	ng	99
12) 1,3-Dichlorobenzene	6.851	146	566821	41.505	ng	99
13) 1,4-Dichlorobenzene	6.928	146	569459	41.388	ng	100
14) 1,2-Dichlorobenzene	7.081	146	550181	41.885	ng	99
15) Benzyl Alcohol	7.045	79	411183	41.095	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.181	45	889834	41.870	ng	99
17) 2-Methylphenol	7.151	107	411493	41.610	ng	99
18) Hexachloroethane	7.422	117	188542	41.867	ng	94
19) n-Nitroso-di-n-propyla...	7.322	70	356048	40.842	ng	99
20) 3+4-Methylphenols	7.304	107	523765	42.351	ng	97
22) Acetophenone	7.316	105	690233	41.462	ng	98
24) Nitrobenzene	7.492	77	461069	42.902	ng	96
25) Isophorone	7.728	82	966817	42.059	ng	100
26) 2-Nitrophenol	7.804	139	140561	34.044	ng	99
27) 2,4-Dimethylphenol	7.834	122	485594	41.898	ng	100
28) bis(2-Chloroethoxy)met...	7.939	93	606286	41.820	ng	100
29) 2,4-Dichlorophenol	8.039	162	409683	42.280	ng	99
30) 1,2,4-Trichlorobenzene	8.134	180	453172	41.910	ng	99
31) Naphthalene	8.216	128	1482230	41.304	ng	100
32) Benzoic acid	7.928	122	168727m	34.514	ng	
33) 4-Chloroaniline	8.257	127	622889	41.683	ng	100
34) Hexachlorobutadiene	8.334	225	267370	42.382	ng	100
35) Caprolactam	8.622	113	129344	44.410	ng	98
36) 4-Chloro-3-methylphenol	8.728	107	431195	43.337	ng	99
37) 2-Methylnaphthalene	8.904	142	913767	41.414	ng	99
38) 1-Methylnaphthalene	9.004	142	950787	41.597	ng	99
40) 1,2,4,5-Tetrachloroben...	9.069	216	435999	40.641	ng	100
41) Hexachlorocyclopentadiene	9.057	237	241144	39.605	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	269577	40.551	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142250.D
Acq On : 01 May 2025 10:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: May 01 11:46:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

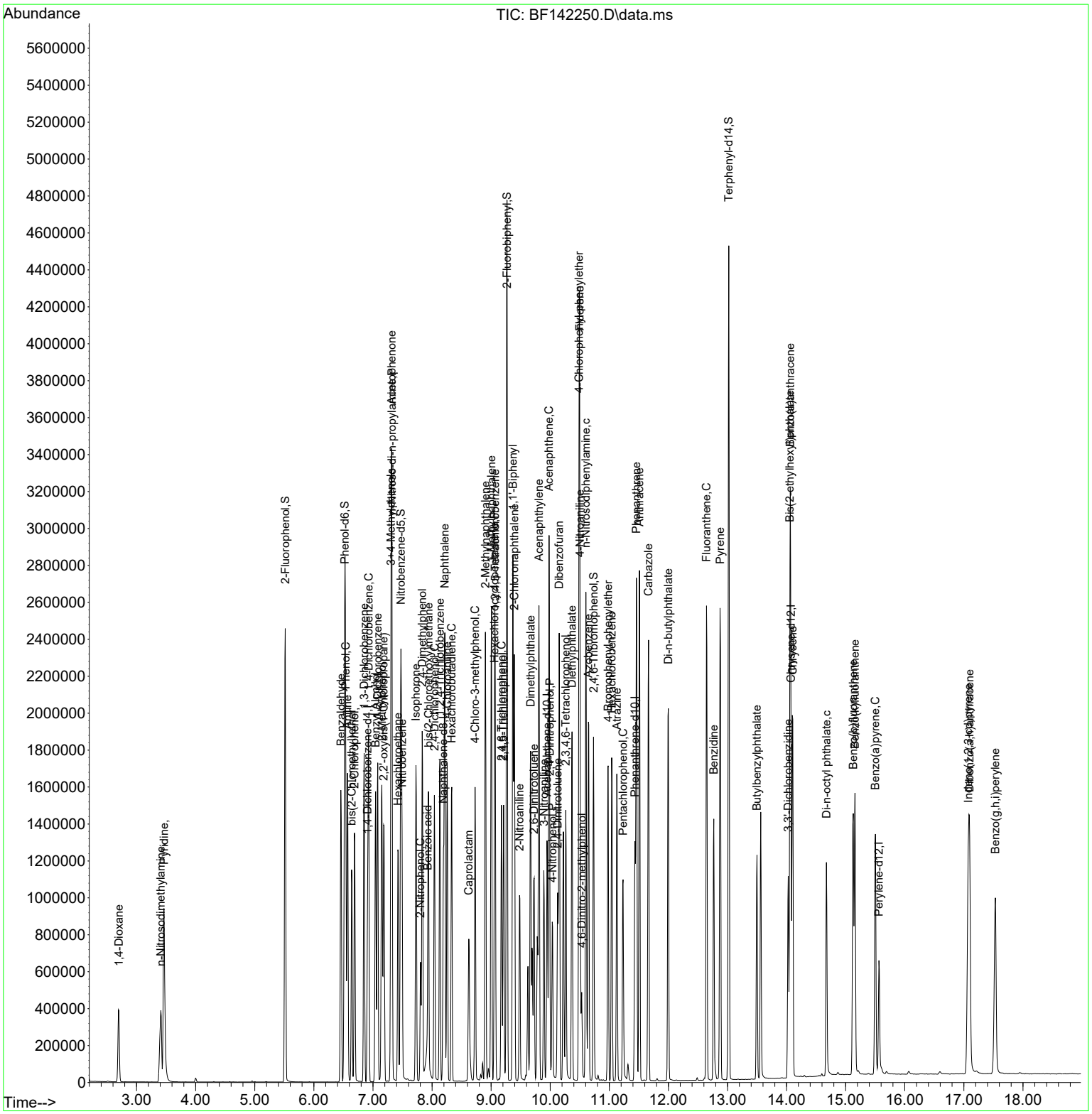
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	294308	42.108	ng		99
46) 1,1'-Biphenyl	9.369	154	1212716	40.922	ng		99
47) 2-Chloronaphthalene	9.392	162	896541	40.663	ng		99
48) 2-Nitroaniline	9.480	65	211351	37.508	ng		97
49) Acenaphthylene	9.810	152	1521943	40.906	ng		100
50) Dimethylphthalate	9.669	163	1026519	42.093	ng		100
51) 2,6-Dinitrotoluene	9.728	165	176156	38.527	ng		98
52) Acenaphthene	9.980	154	903201	41.576	ng		100
53) 3-Nitroaniline	9.892	138	225294	40.152	ng		100
54) 2,4-Dinitrophenol	9.992	184	42525	37.926	ng	#	1
55) Dibenzofuran	10.151	168	1350916	41.484	ng		99
56) 4-Nitrophenol	10.039	139	159868	41.706	ng		98
57) 2,4-Dinitrotoluene	10.128	165	220248	39.850	ng		99
58) Fluorene	10.498	166	1007989	40.709	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	245919	42.475	ng		99
60) Diethylphthalate	10.369	149	1030685	42.799	ng		99
61) 4-Chlorophenyl-phenyle...	10.486	204	486030	41.333	ng		99
62) 4-Nitroaniline	10.504	138	215440	42.018	ng		98
63) Azobenzene	10.645	77	996298	41.895	ng		98
65) 4,6-Dinitro-2-methylph...	10.533	198	69294	35.905	ng		99
66) n-Nitrosodiphenylamine	10.604	169	914630	41.322	ng		100
67) 4-Bromophenyl-phenylether	10.980	248	304870	42.258	ng		99
68) Hexachlorobenzene	11.039	284	332960	41.207	ng		94
69) Atrazine	11.127	200	264074	45.262	ng		100
70) Pentachlorophenol	11.233	266	177109	41.491	ng		99
71) Phenanthrene	11.457	178	1446110	41.326	ng		100
72) Anthracene	11.510	178	1479001	41.339	ng		100
73) Carbazole	11.663	167	1352106	41.429	ng		100
74) Di-n-butylphthalate	11.998	149	1472584	44.864	ng		100
75) Fluoranthene	12.645	202	1485579	42.947	ng		100
77) Benzidine	12.769	184	754042	46.160	ng		99
78) Pyrene	12.874	202	1490017	42.016	ng		100
80) Butylbenzylphthalate	13.498	149	385725	40.417	ng		98
81) Benzo(a)anthracene	14.063	228	1059415	41.049	ng		99
82) 3,3'-Dichlorobenzidine	14.027	252	323049	42.615	ng		100
83) Chrysene	14.104	228	997135	42.445	ng		100
84) Bis(2-ethylhexyl)phtha...	14.057	149	477774	36.467	ng		100
85) Di-n-octyl phthalate	14.674	149	782817	33.845	ng		100
87) Indeno(1,2,3-cd)pyrene	17.074	276	1071010	41.864	ng		100
88) Benzo(b)fluoranthene	15.127	252	867766	39.998	ng		99
89) Benzo(k)fluoranthene	15.157	252	866064	43.643	ng		99
90) Benzo(a)pyrene	15.504	252	833612	41.969	ng		99
91) Dibenzo(a,h)anthracene	17.098	278	878980	42.333	ng		99
92) Benzo(g,h,i)perylene	17.533	276	873517	41.848	ng		100

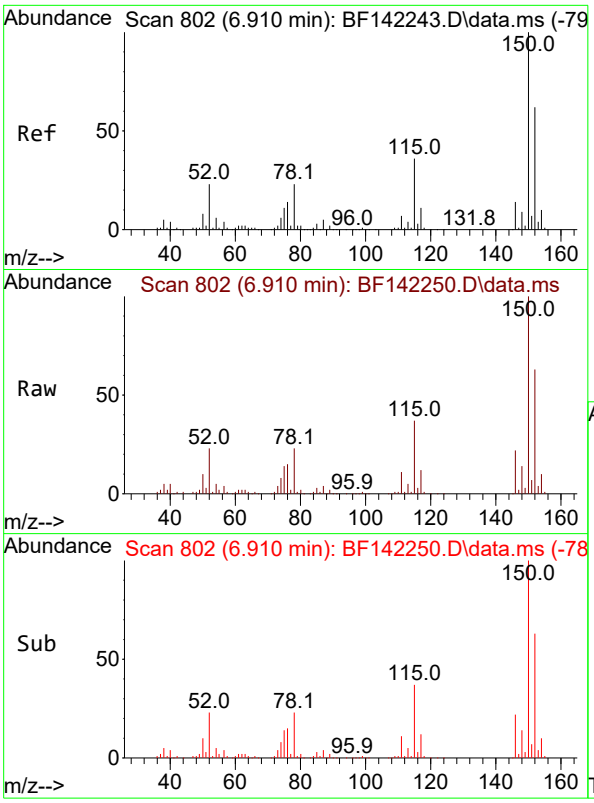
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142250.D
Acq On : 01 May 2025 10:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: May 01 11:46:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration



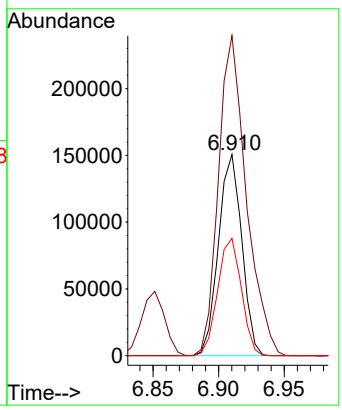


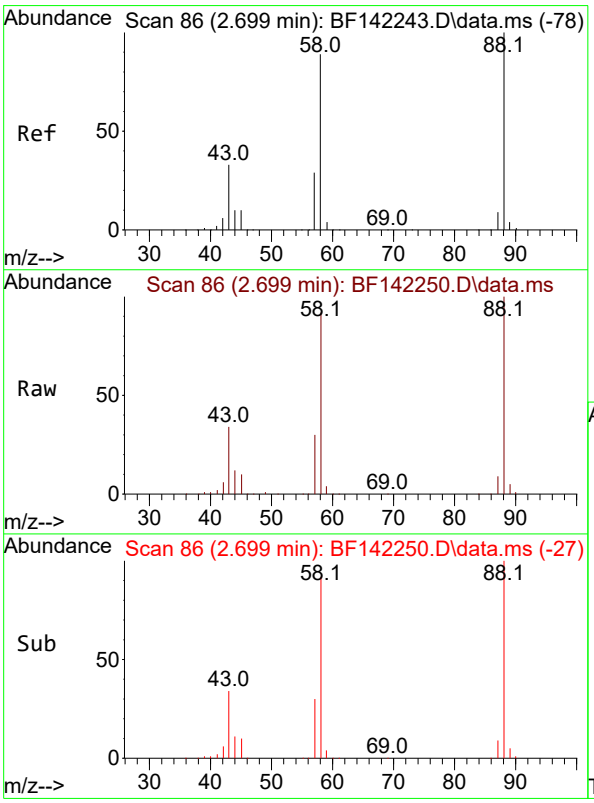
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 186578

Ion	Ratio	Lower	Upper
152	100		
150	159.1	130.2	195.2
115	58.3	47.0	70.4

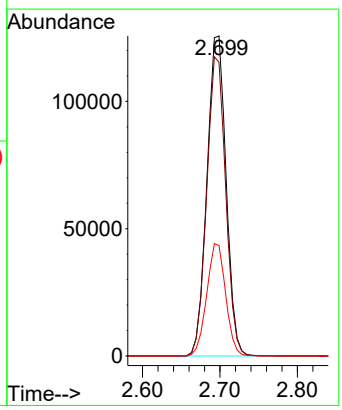


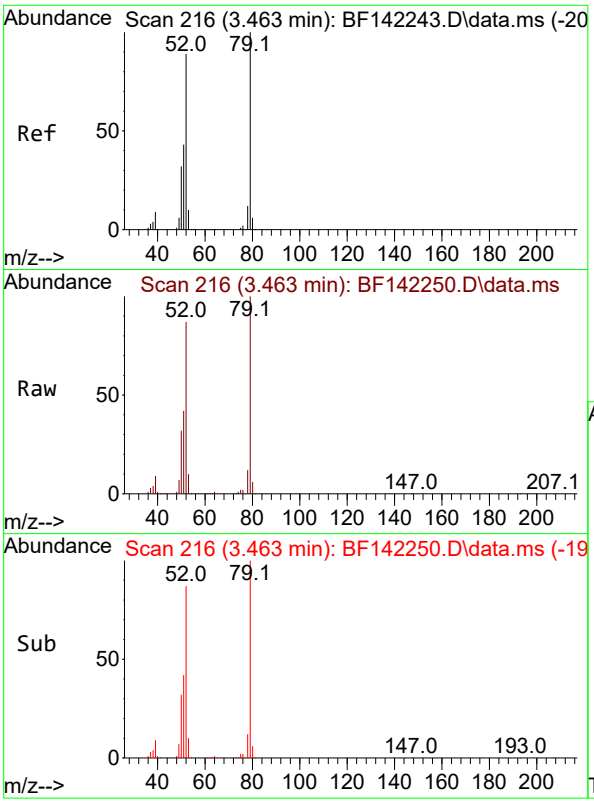


#2
1,4-Dioxane
Concen: 41.429 ng
RT: 2.699 min Scan# 86
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion: 88 Resp: 216157

Ion	Ratio	Lower	Upper
88	100		
58	92.7	72.2	108.2
43	34.7	27.0	40.6



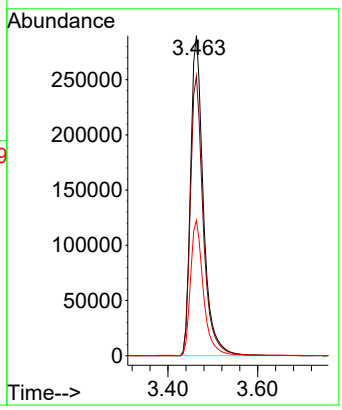


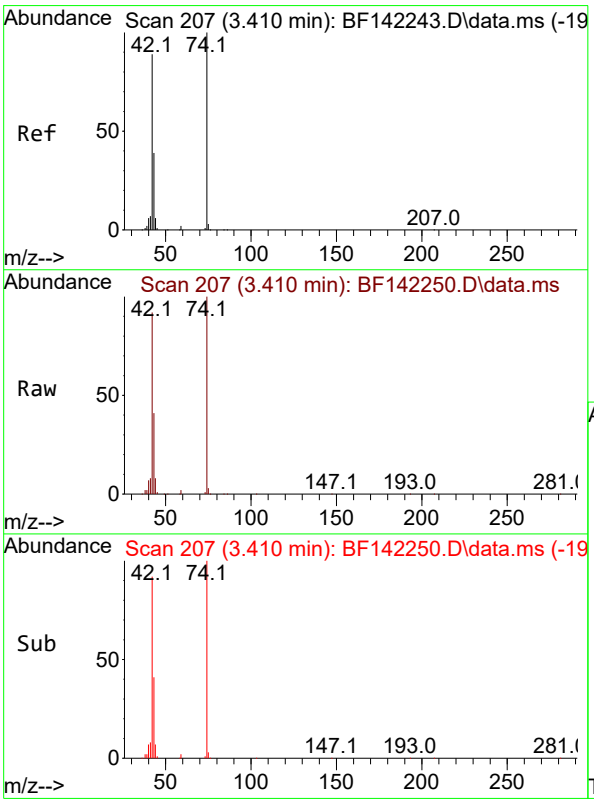
#3
Pyridine
Concen: 42.158 ng
RT: 3.463 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 571670

Ion	Ratio	Lower	Upper
79	100		
52	87.4	71.5	107.3
51	42.2	34.5	51.7

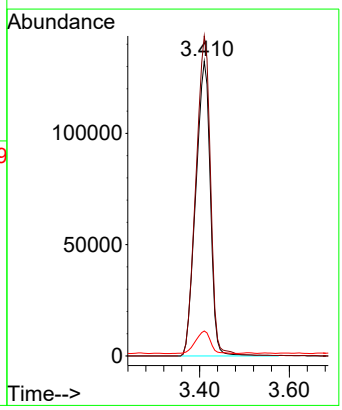


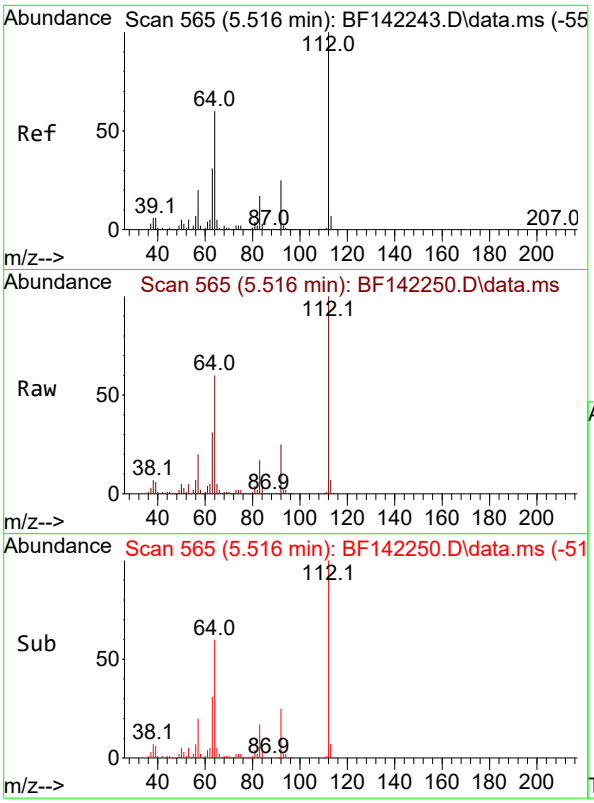


#4
n-Nitrosodimethylamine
Concen: 42.418 ng
RT: 3.410 min Scan# 207
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion: 42 Resp: 297662

Ion	Ratio	Lower	Upper
42	100		
74	108.6	89.5	134.3
44	8.5	6.6	9.8



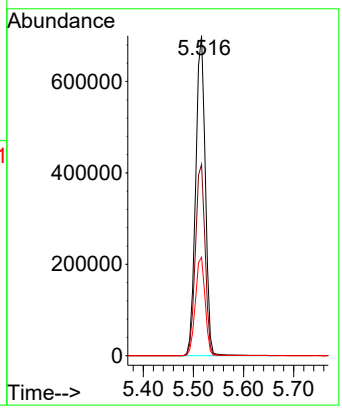


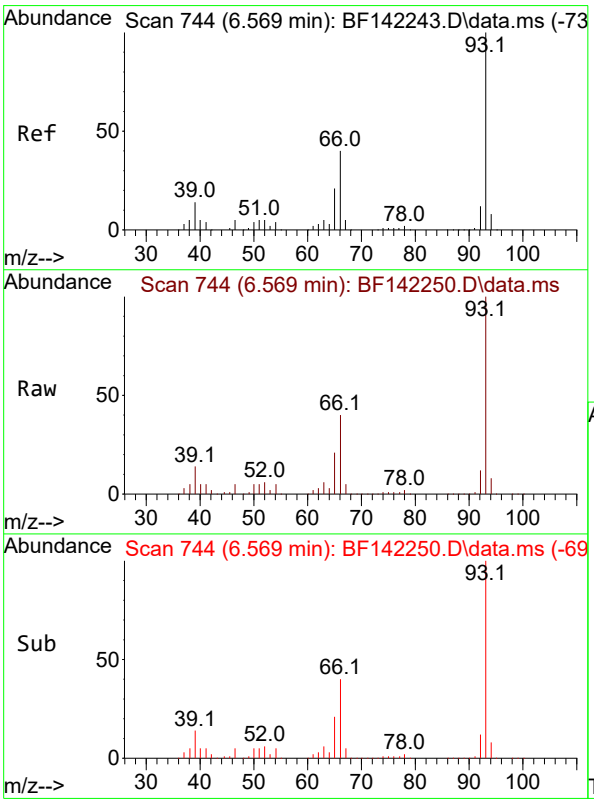
#5
2-Fluorophenol
Concen: 79.825 ng
RT: 5.516 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 932561

Ion	Ratio	Lower	Upper
112	100		
64	59.8	48.4	72.6
63	30.8	24.8	37.2

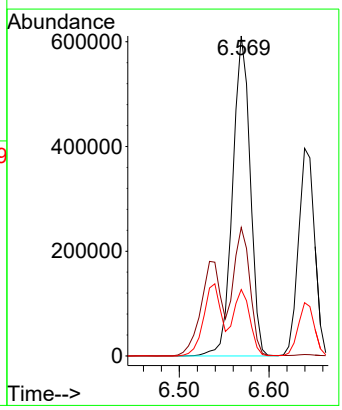


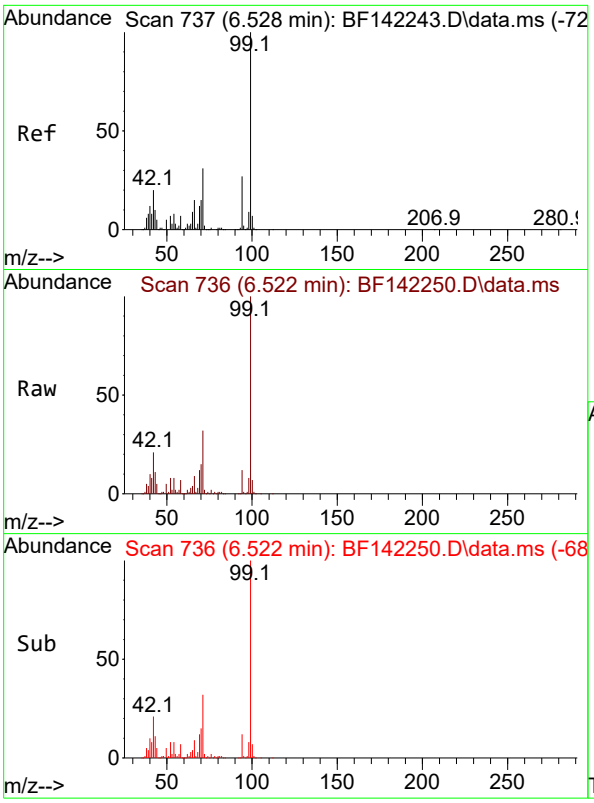


#6
Aniline
Concen: 41.579 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion: 93 Resp: 830257

Ion	Ratio	Lower	Upper
93	100		
66	40.1	32.1	48.1
65	20.7	16.6	24.8



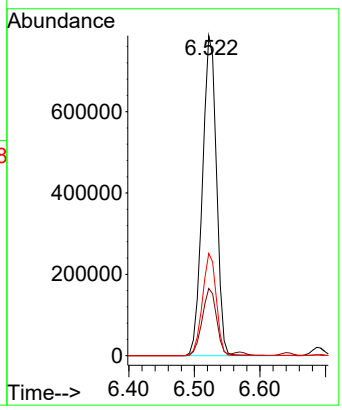


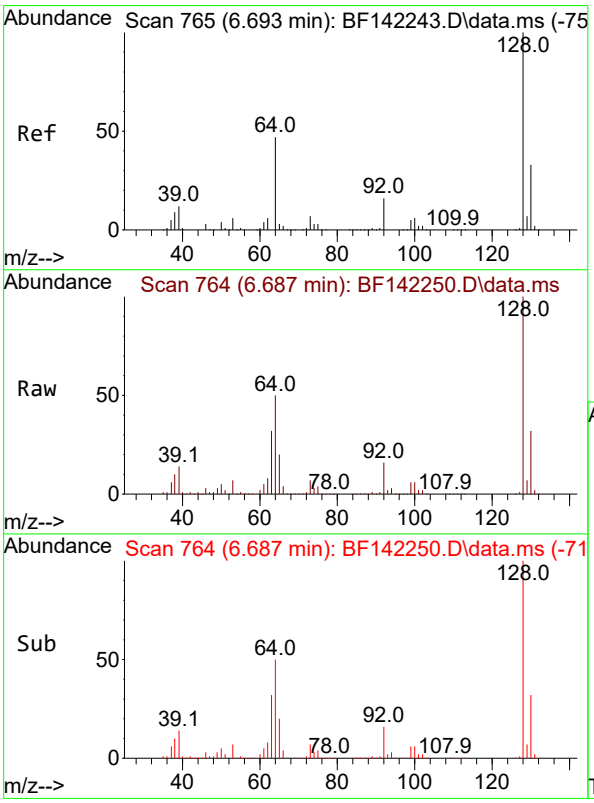
#7
Phenol-d6
Concen: 83.296 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 1175099

Ion	Ratio	Lower	Upper
99	100		
42	21.0	16.3	24.5
71	31.9	25.0	37.4

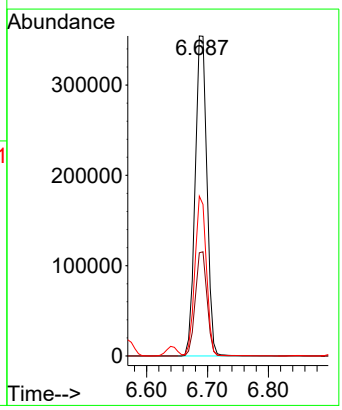


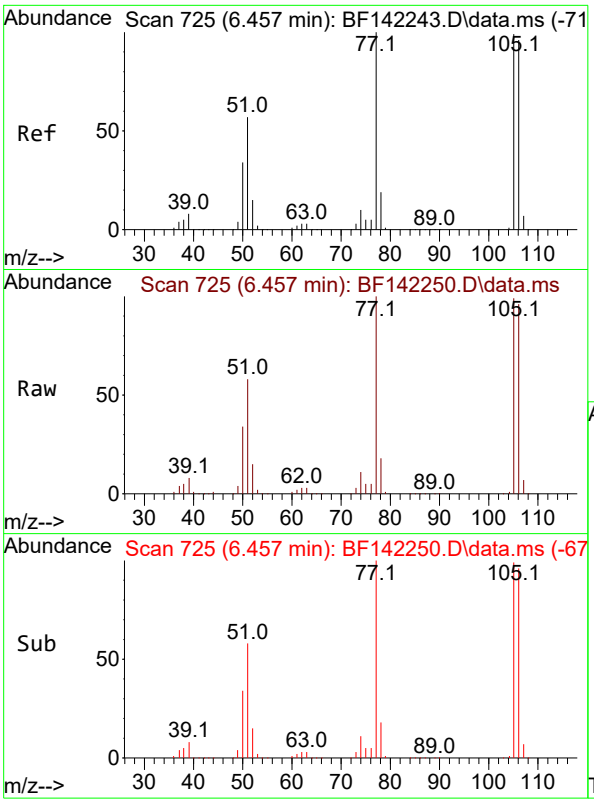


#8
2-Chlorophenol
Concen: 39.409 ng
RT: 6.687 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:128 Resp: 475745

Ion	Ratio	Lower	Upper
128	100		
130	32.3	13.1	53.1
64	49.9	28.6	68.6



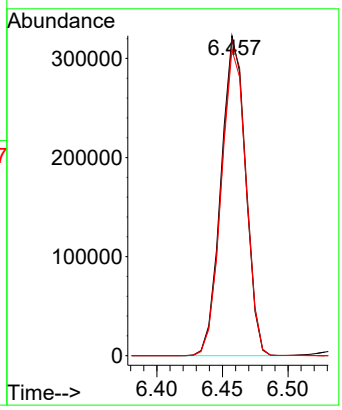


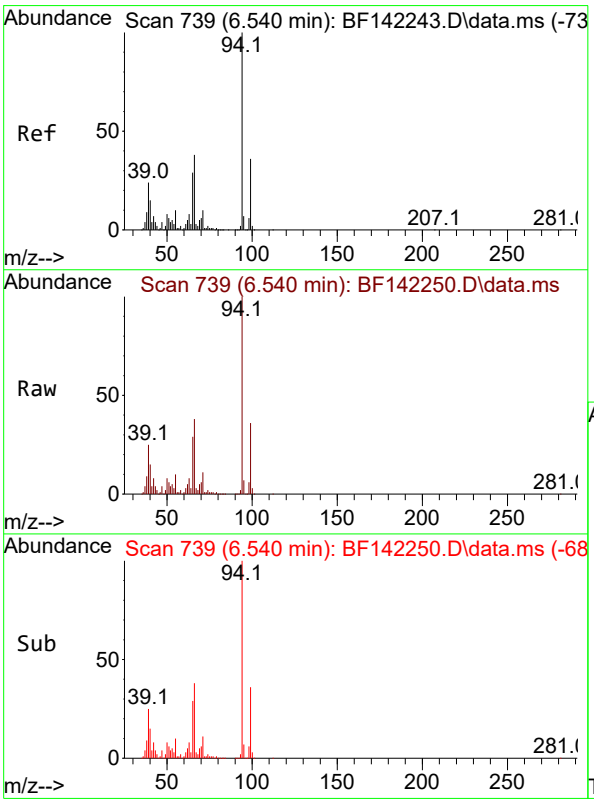
#9
Benzaldehyde
Concen: 42.464 ng
RT: 6.457 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 418699

Ion	Ratio	Lower	Upper
77	100		
105	98.6	79.1	119.1
106	95.6	76.0	116.0

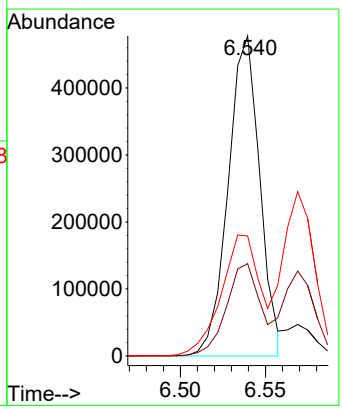


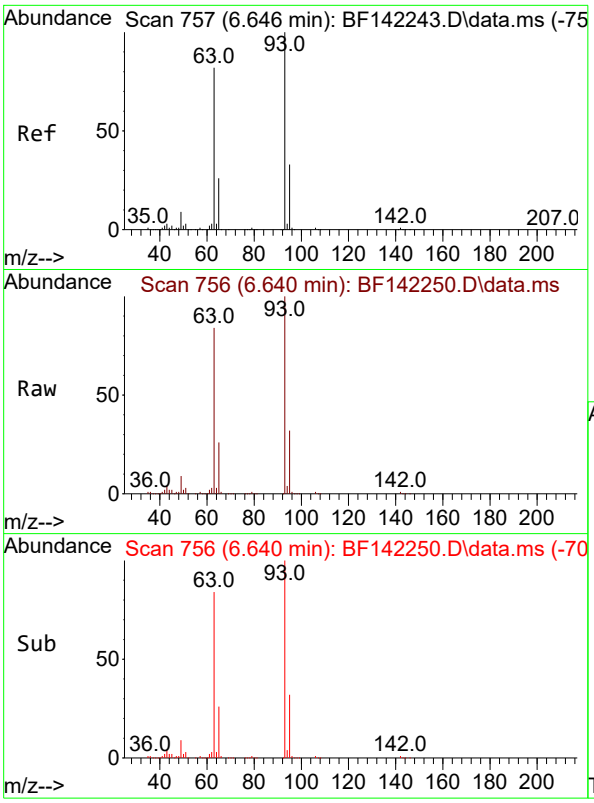


#10
Phenol
Concen: 40.684 ng m
RT: 6.540 min Scan# 739
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion: 94 Resp: 617909

Ion	Ratio	Lower	Upper
94	100		
65	28.8	8.9	48.9
66	37.5	18.7	58.7



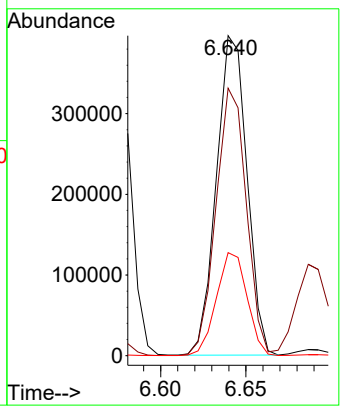


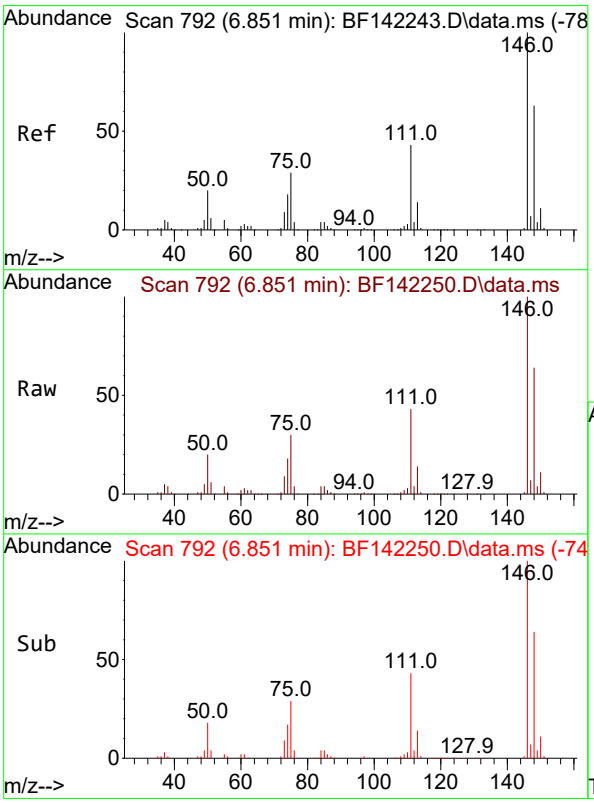
#11
bis(2-Chloroethyl)ether
Concen: 42.030 ng
RT: 6.640 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 494668

Ion	Ratio	Lower	Upper
93	100		
63	83.6	62.2	102.2
95	32.2	12.7	52.7

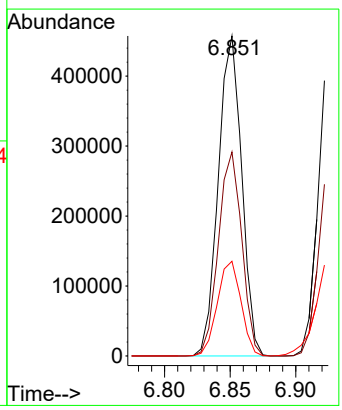


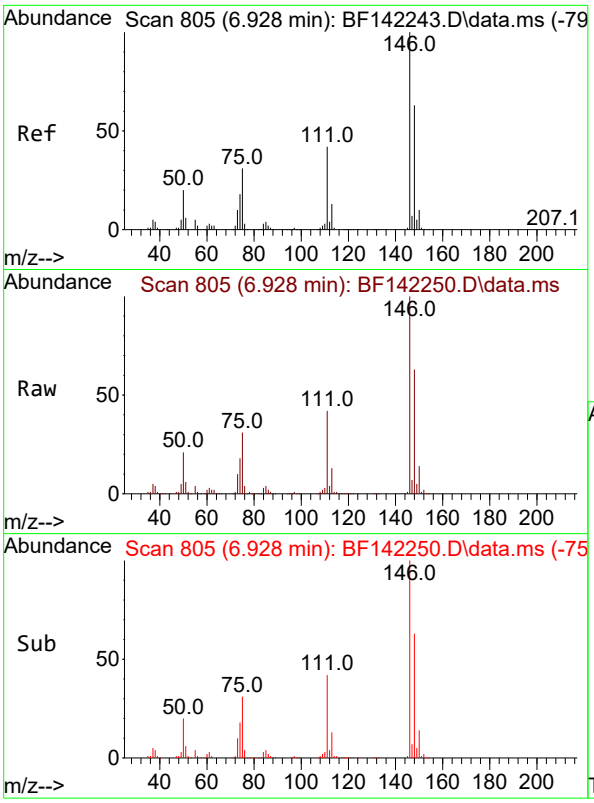


#12
1,3-Dichlorobenzene
Concen: 41.505 ng
RT: 6.851 min Scan# 792
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:146 Resp: 566821

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.5	75.7
75	29.6	23.2	34.8



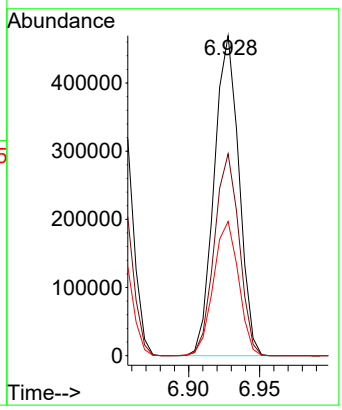


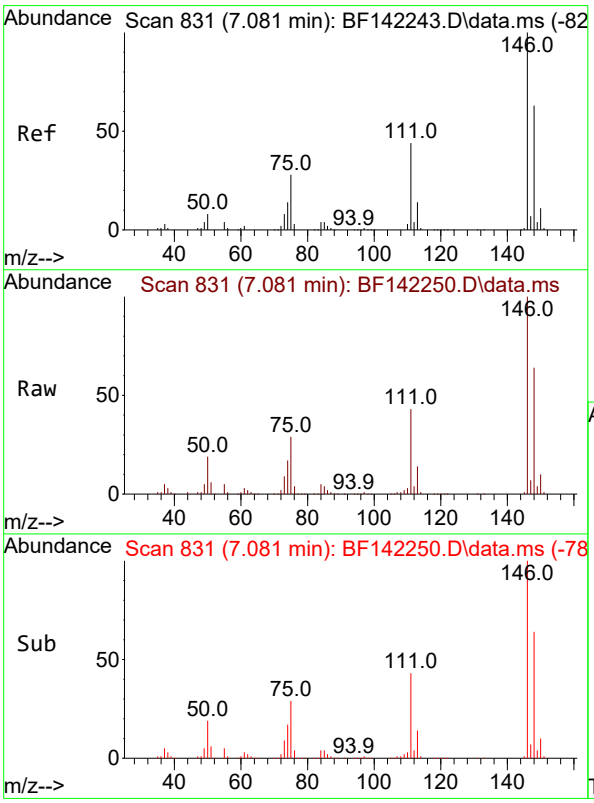
#13
1,4-Dichlorobenzene
Concen: 41.388 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 569459

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.6	76.0
111	42.0	33.4	50.0

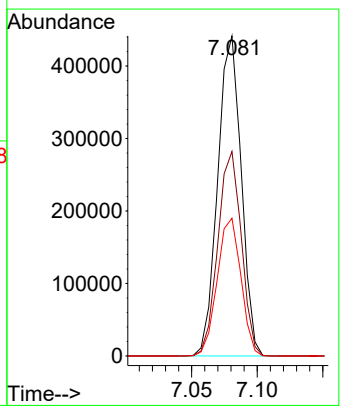


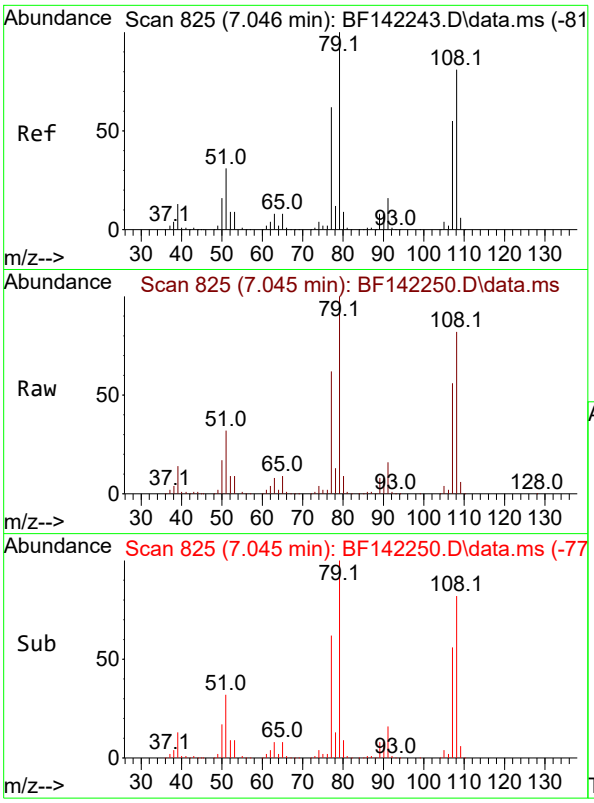


#14
1,2-Dichlorobenzene
Concen: 41.885 ng
RT: 7.081 min Scan# 831
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:146 Resp: 550181

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.5	75.7
111	43.0	34.9	52.3



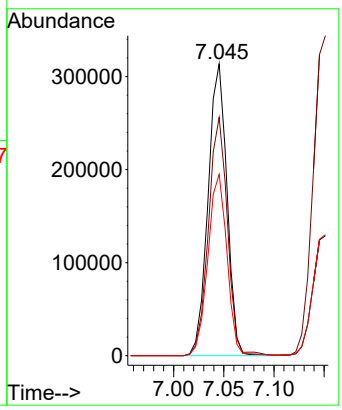


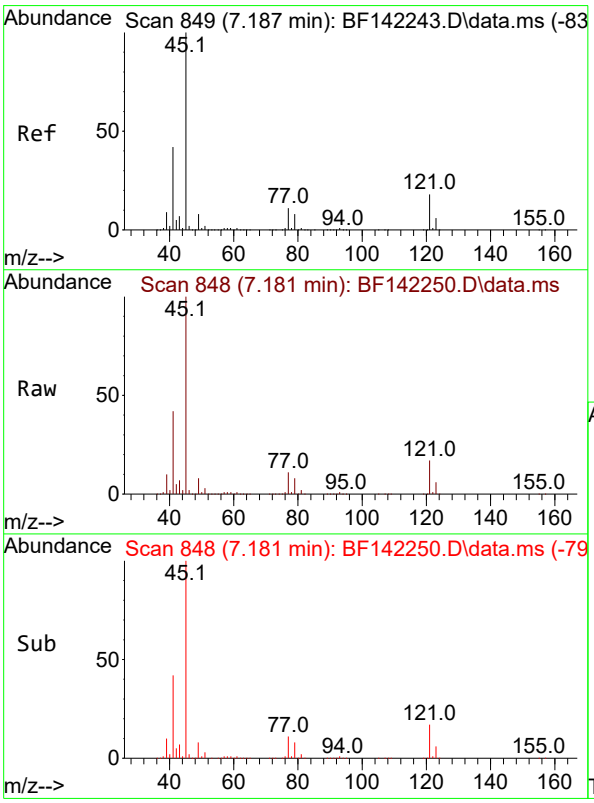
#15
Benzyl Alcohol
Concen: 41.095 ng
RT: 7.045 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 411183

Ion	Ratio	Lower	Upper
79	100		
108	81.7	64.5	96.7
77	62.1	49.2	73.8

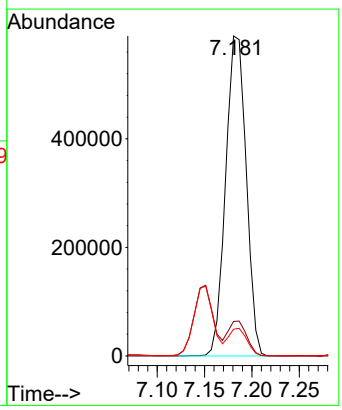


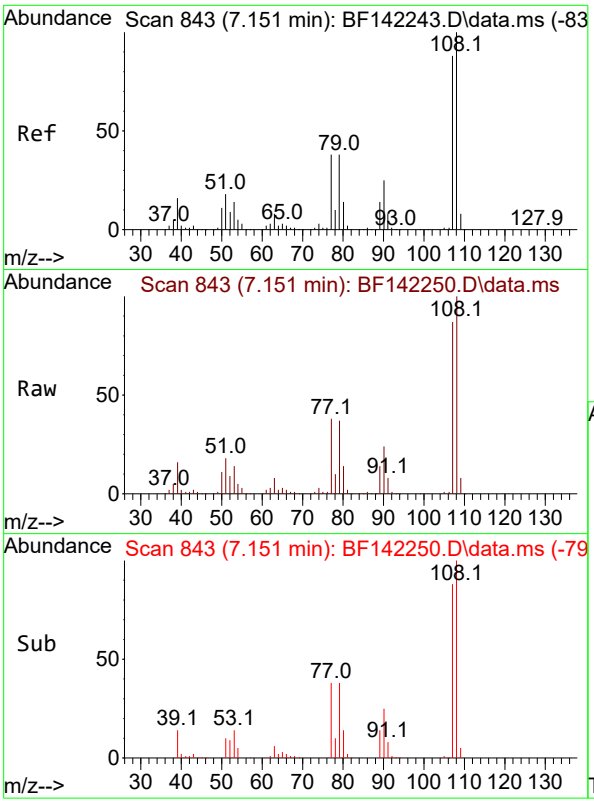


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.870 ng
RT: 7.181 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion: 45 Resp: 889834

Ion	Ratio	Lower	Upper
45	100		
77	10.8	0.0	31.3
79	8.4	0.0	28.5



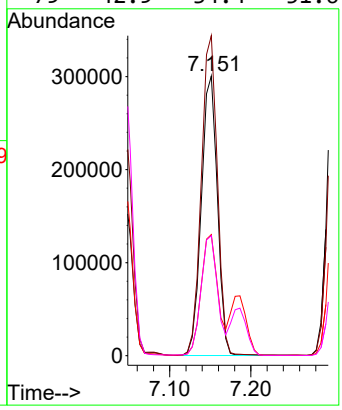


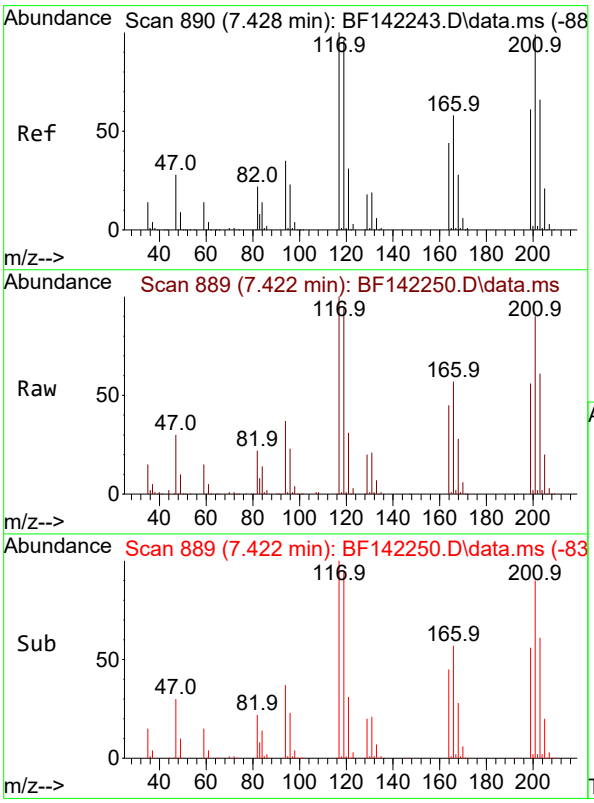
#17
2-Methylphenol
Concen: 41.610 ng
RT: 7.151 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 411493

Ion	Ratio	Lower	Upper
107	100		
108	114.4	91.0	136.4
77	43.3	34.4	51.6
79	42.9	34.4	51.6

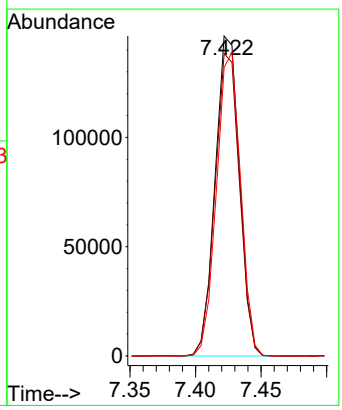


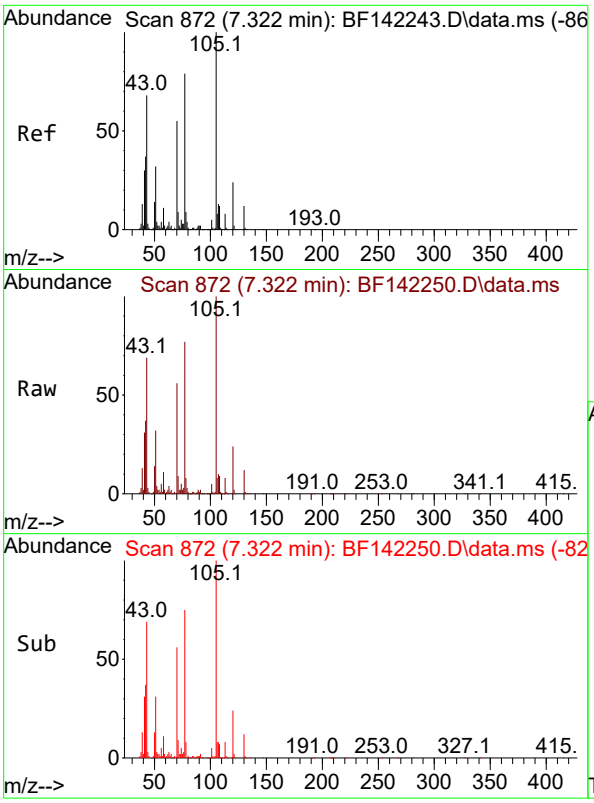


#18
Hexachloroethane
Concen: 41.867 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:117 Resp: 188542

Ion	Ratio	Lower	Upper
117	100		
119	94.5	77.1	115.7
201	90.2	79.4	119.2



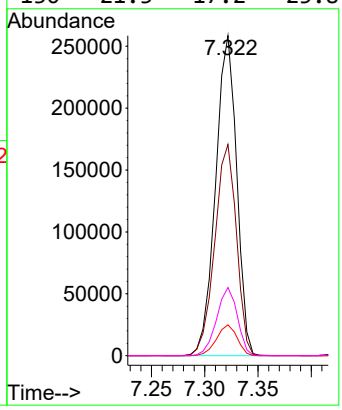


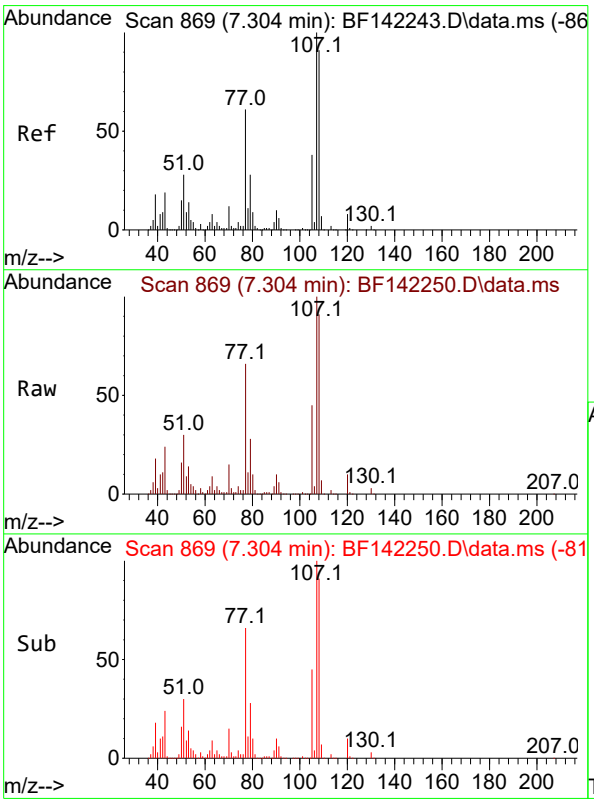
#19
n-Nitroso-di-n-propylamine
Concen: 40.842 ng
RT: 7.322 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 356048

Ion	Ratio	Lower	Upper
70	100		
42	66.0	53.4	80.2
101	9.7	7.7	11.5
130	21.3	17.2	25.8

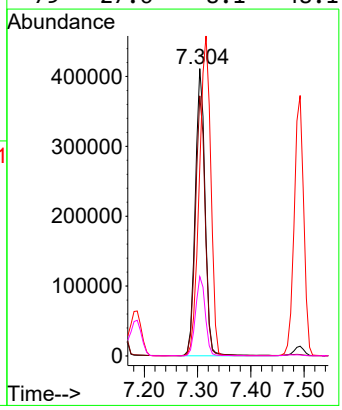


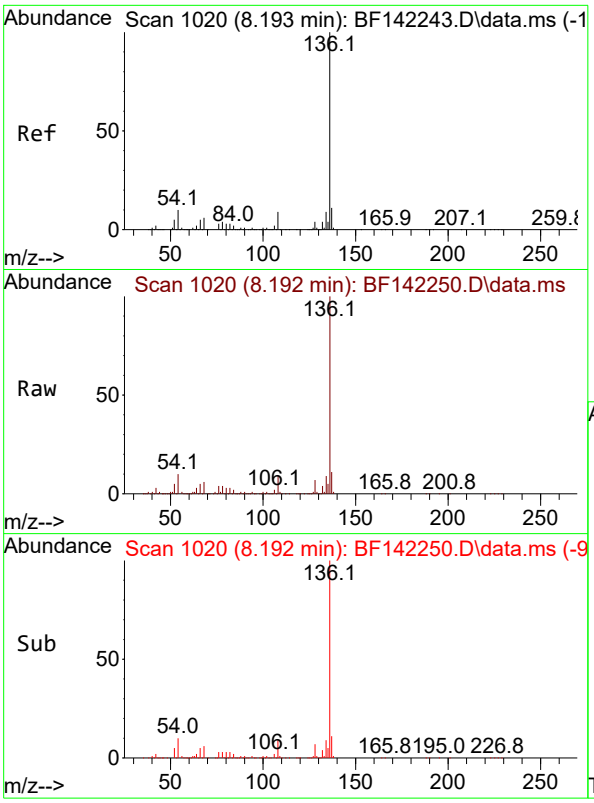


#20
3+4-Methylphenols
Concen: 42.351 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:107 Resp: 523765

Ion	Ratio	Lower	Upper
107	100		
108	90.6	71.2	111.2
77	65.8	41.1	81.1
79	27.6	8.1	48.1



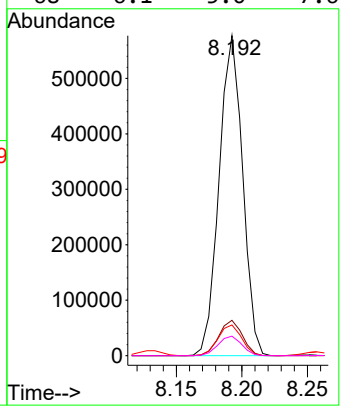


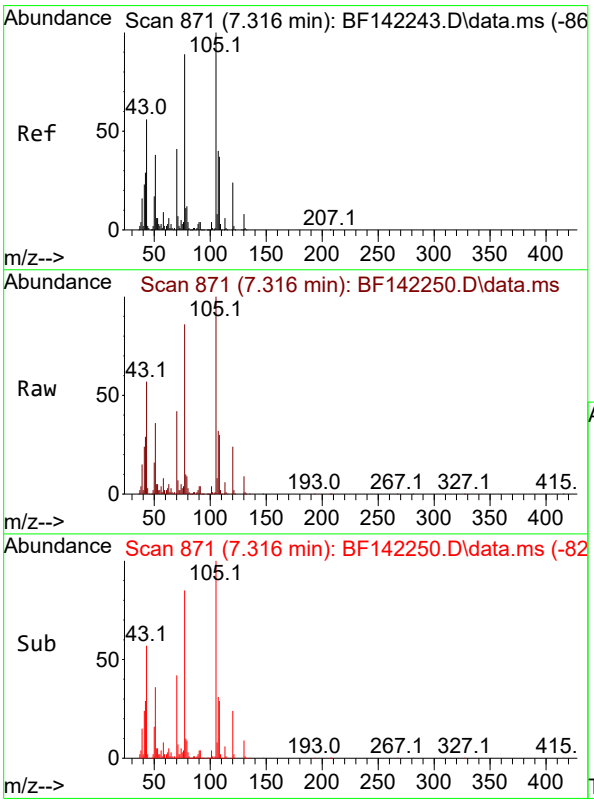
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 719586

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	9.6	7.7	11.5
68	6.1	5.0	7.6

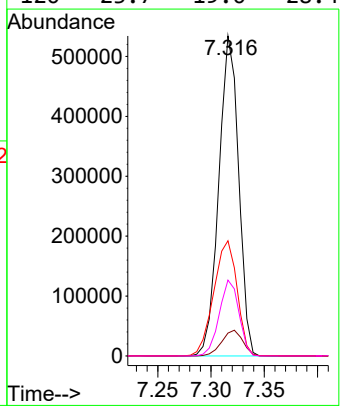


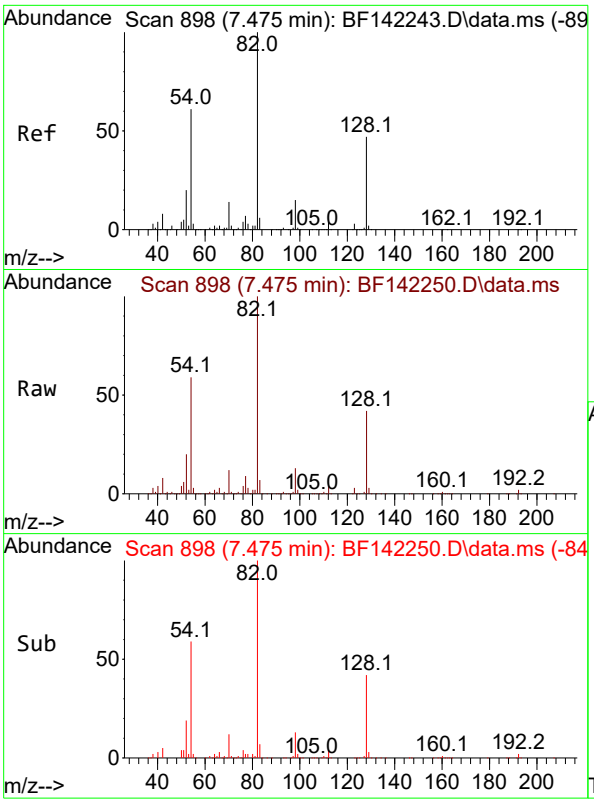


#22
Acetophenone
Concen: 41.462 ng
RT: 7.316 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:105 Resp: 690233

Ion	Ratio	Lower	Upper
105	100		
71	7.2	5.7	8.5
51	36.0	30.1	45.1
120	23.7	19.0	28.4



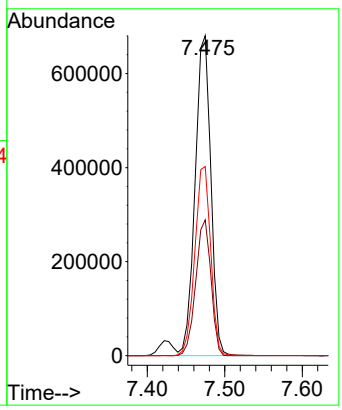


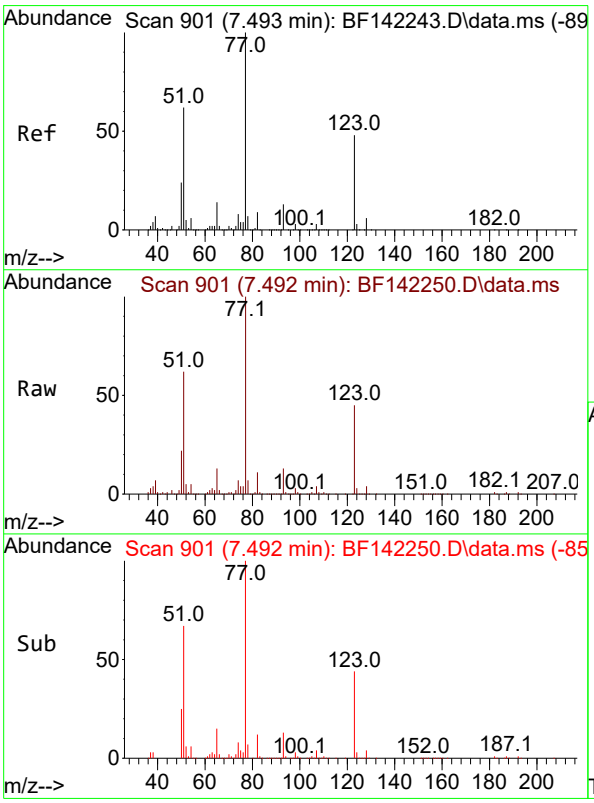
#23
Nitrobenzene-d5
Concen: 87.469 ng
RT: 7.475 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 958053

Ion	Ratio	Lower	Upper
82	100		
128	42.5	37.0	55.6
54	59.1	48.0	72.0

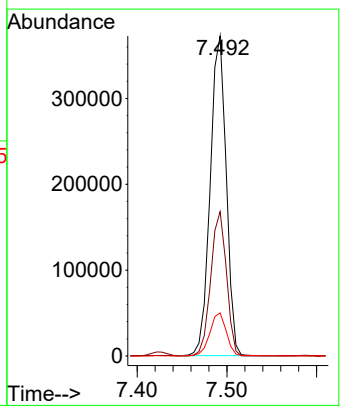


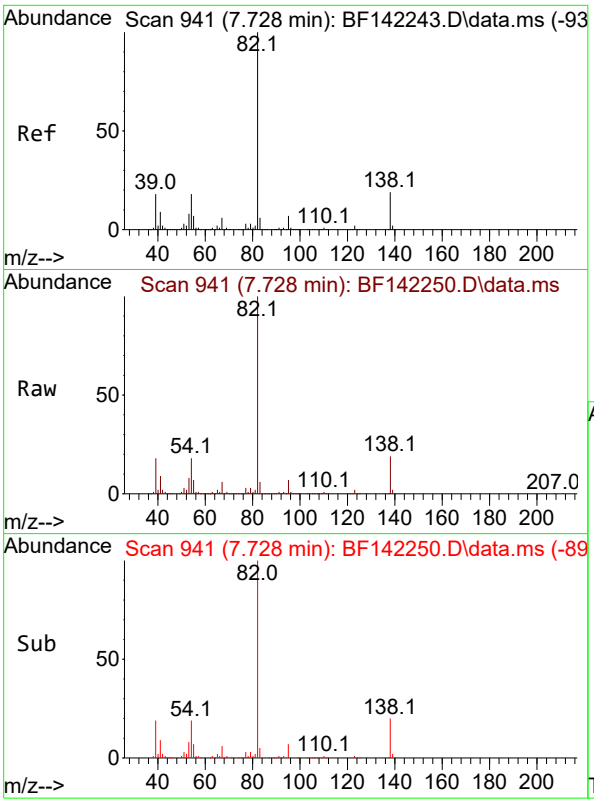


#24
Nitrobenzene
Concen: 42.902 ng
RT: 7.492 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion: 77 Resp: 461069

Ion	Ratio	Lower	Upper
77	100		
123	45.1	38.6	58.0
65	13.5	11.5	17.3



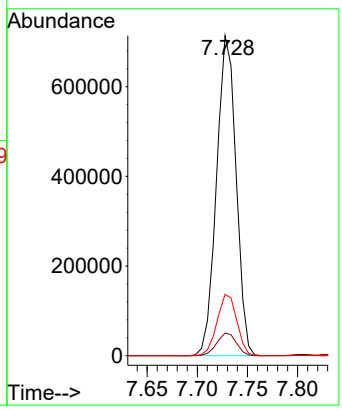


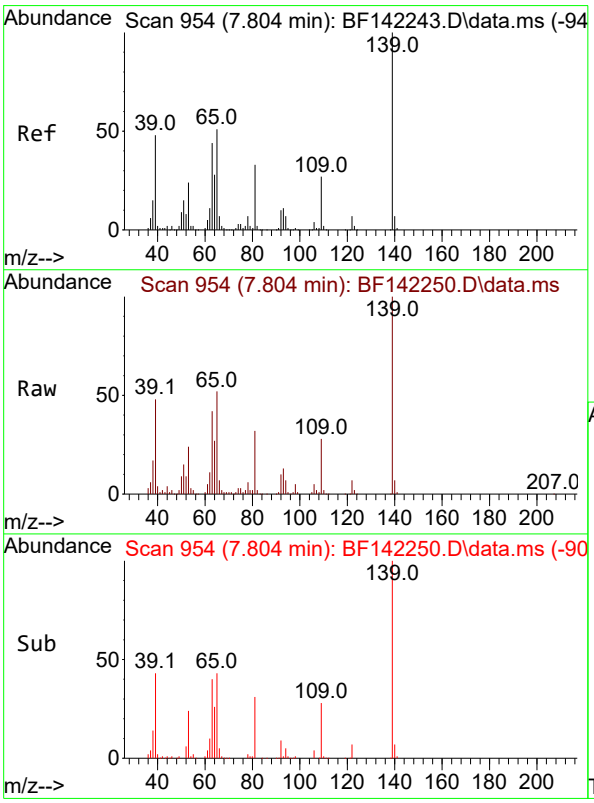
#25
Isophorone
Concen: 42.059 ng
RT: 7.728 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 966817

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.6	8.4
138	19.2	15.3	22.9

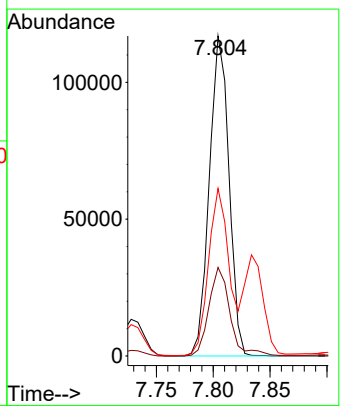


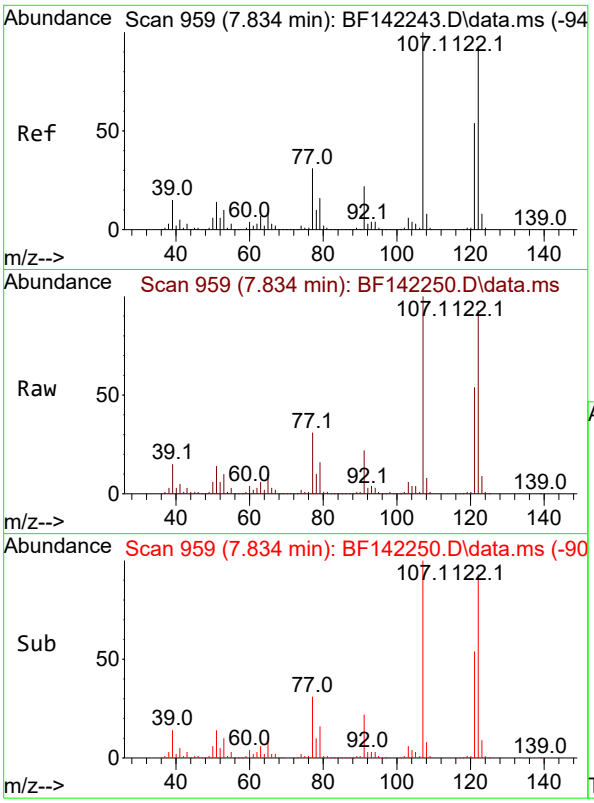


#26
2-Nitrophenol
Concen: 34.044 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:139 Resp: 140561

Ion	Ratio	Lower	Upper
139	100		
109	27.7	21.8	32.8
65	52.3	41.1	61.7



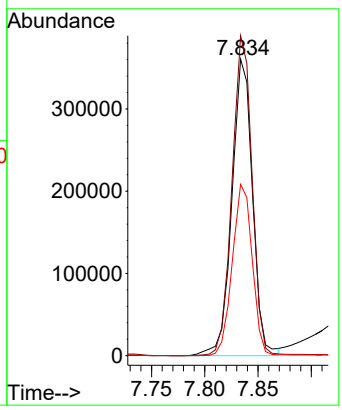


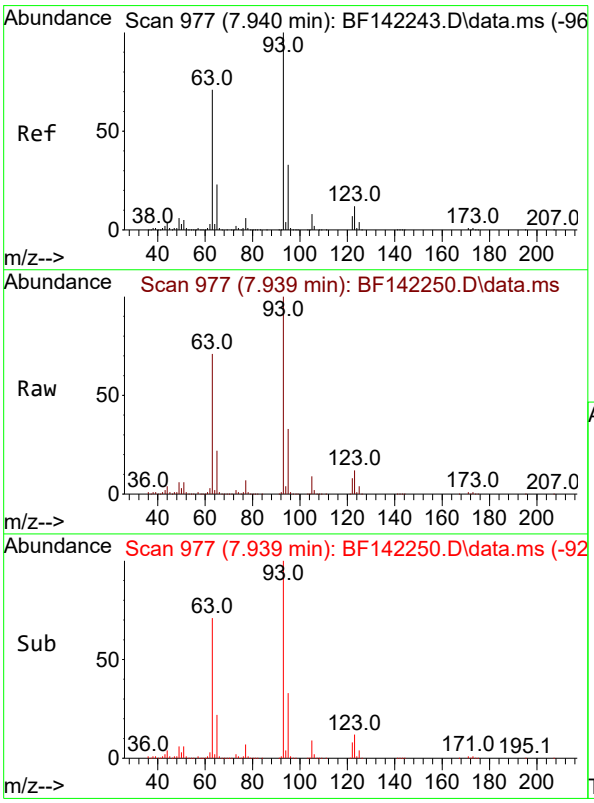
#27
2,4-Dimethylphenol
Concen: 41.898 ng
RT: 7.834 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 485594

Ion	Ratio	Lower	Upper
122	100		
107	107.9	86.0	129.0
121	57.8	46.3	69.5

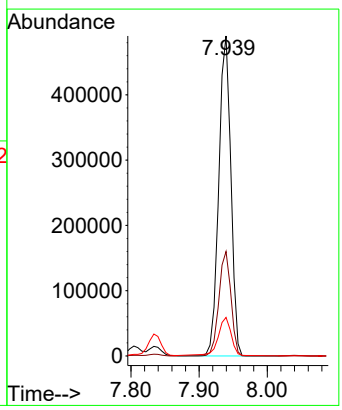


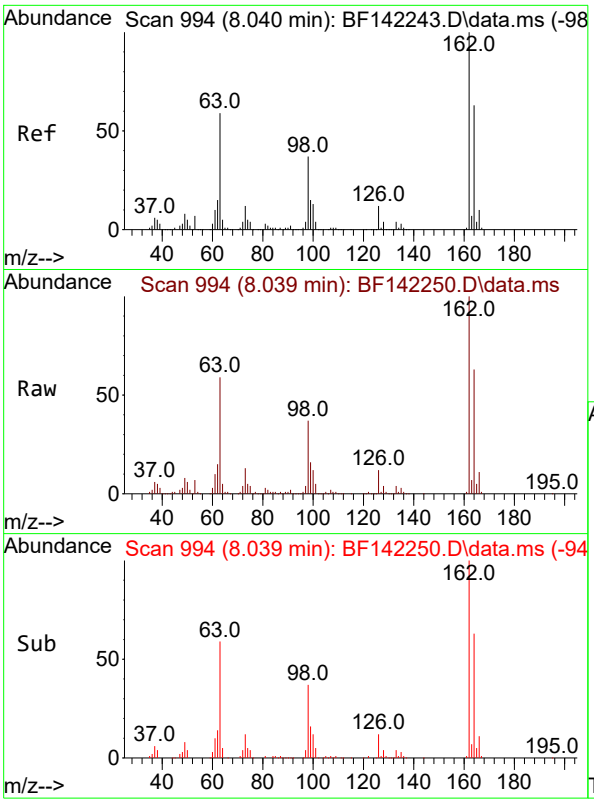


#28
bis(2-Chloroethoxy)methane
Concen: 41.820 ng
RT: 7.939 min Scan# 977
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion: 93 Resp: 606286

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.2
123	12.0	9.7	14.5



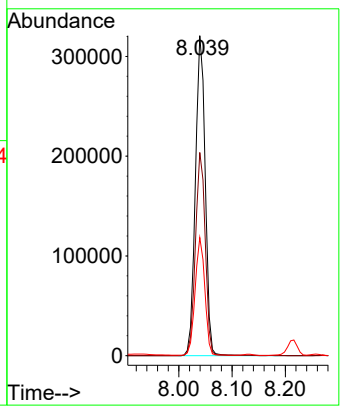


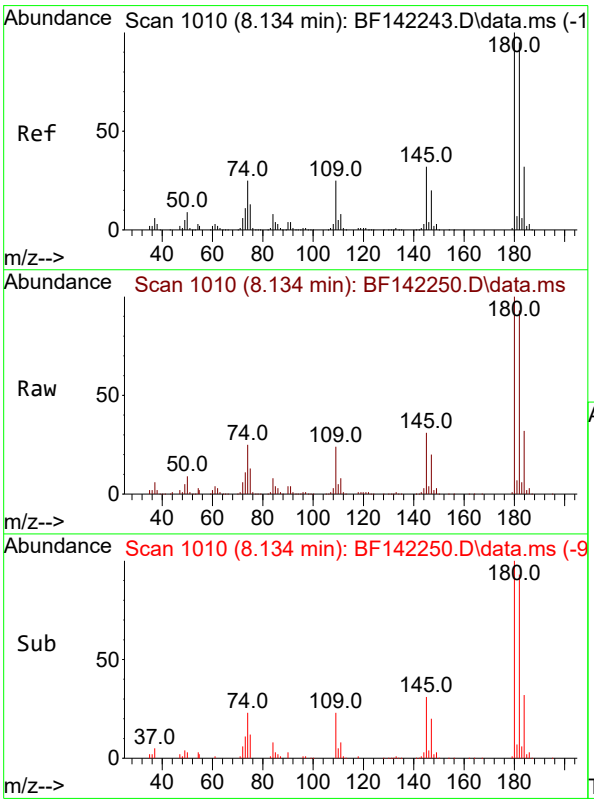
#29
2,4-Dichlorophenol
Concen: 42.280 ng
RT: 8.039 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 409683

Ion	Ratio	Lower	Upper
162	100		
164	63.5	43.0	83.0
98	36.9	16.7	56.7

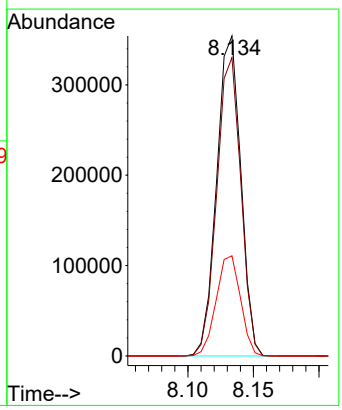


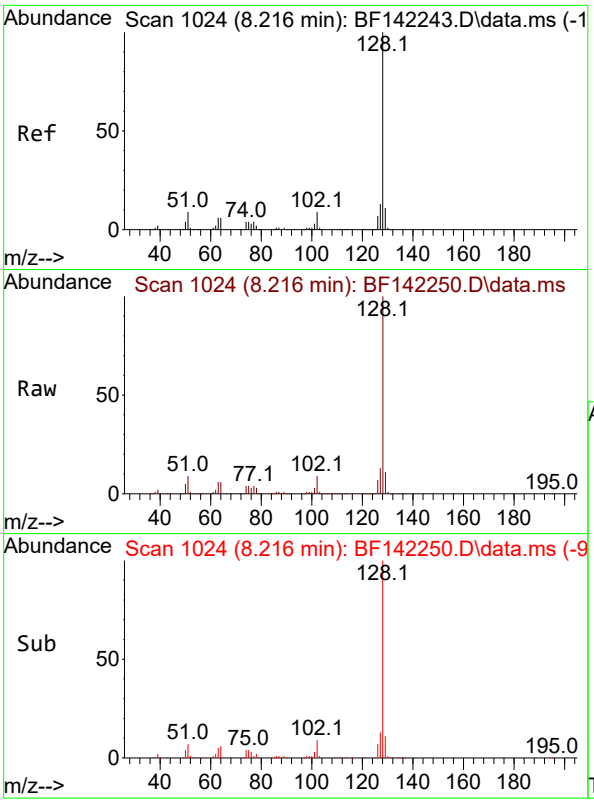


#30
1,2,4-Trichlorobenzene
Concen: 41.910 ng
RT: 8.134 min Scan# 1010
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:180 Resp: 453172

Ion	Ratio	Lower	Upper
180	100		
182	93.3	75.7	113.5
145	31.3	25.4	38.0



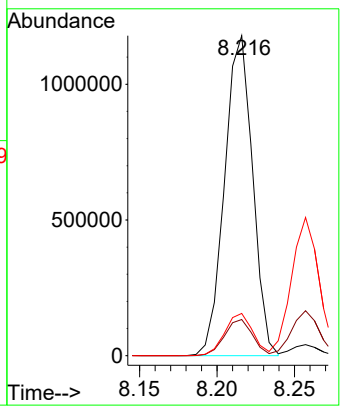


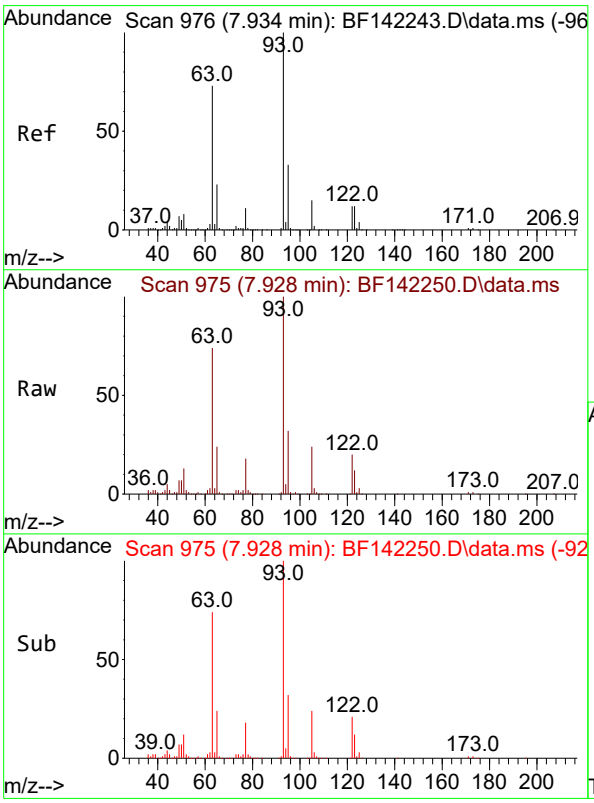
#31
Naphthalene
Concen: 41.304 ng
RT: 8.216 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 1482230

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.4
127	13.2	10.6	15.8

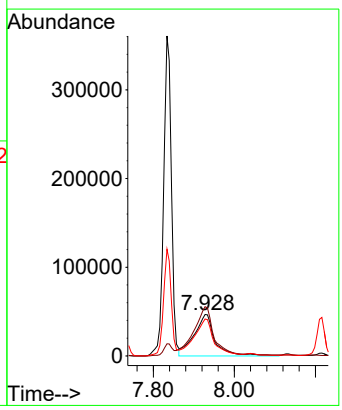


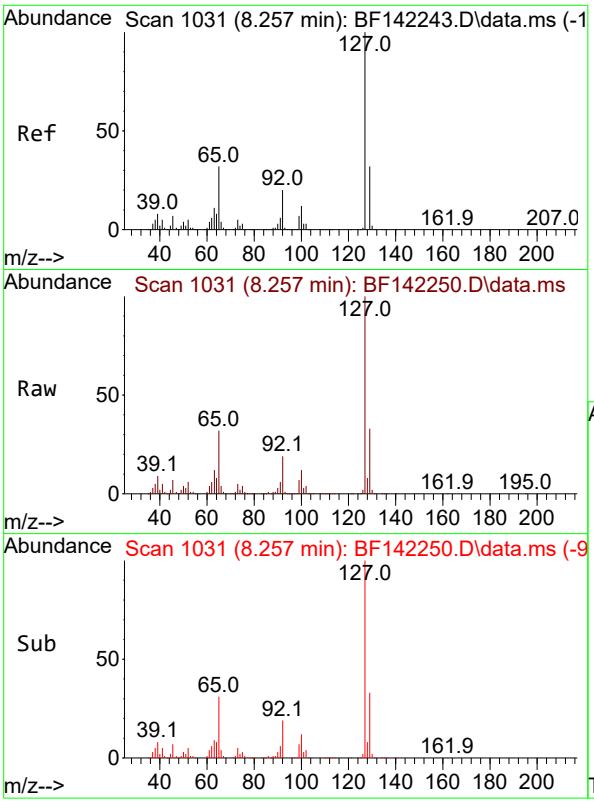


#32
Benzoic acid
Concen: 34.514 ng m
RT: 7.928 min Scan# 975
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:122 Resp: 168727

Ion	Ratio	Lower	Upper
122	100		
105	118.8	98.2	138.2
77	89.1	66.8	106.8



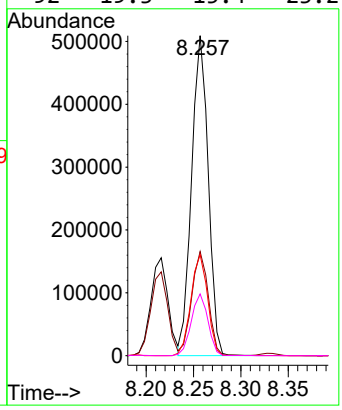


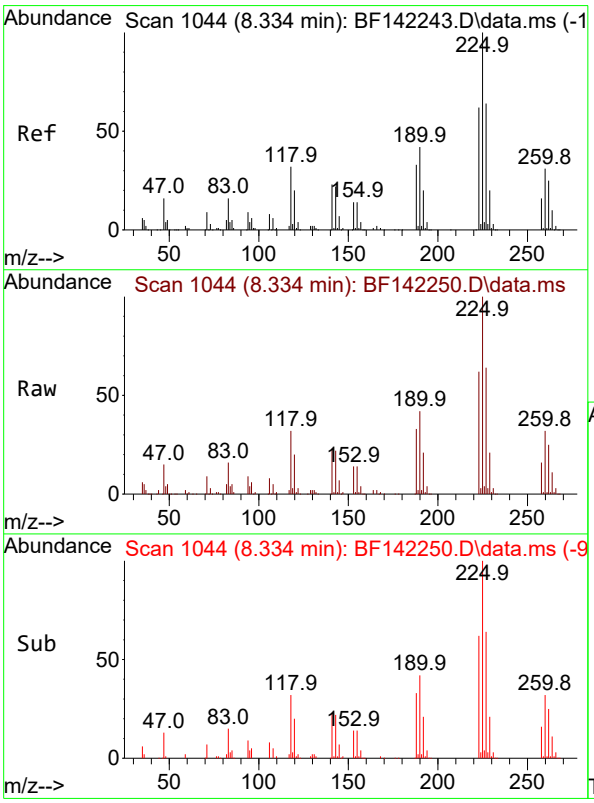
#33
4-Chloroaniline
Concen: 41.683 ng
RT: 8.257 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 622889

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	31.6	25.5	38.3
92	19.3	15.4	23.2

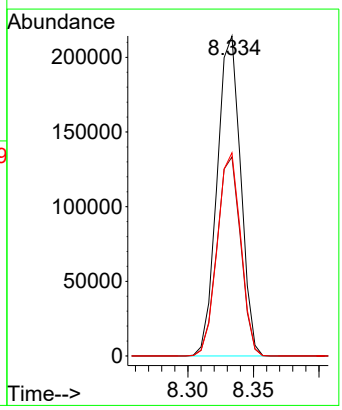


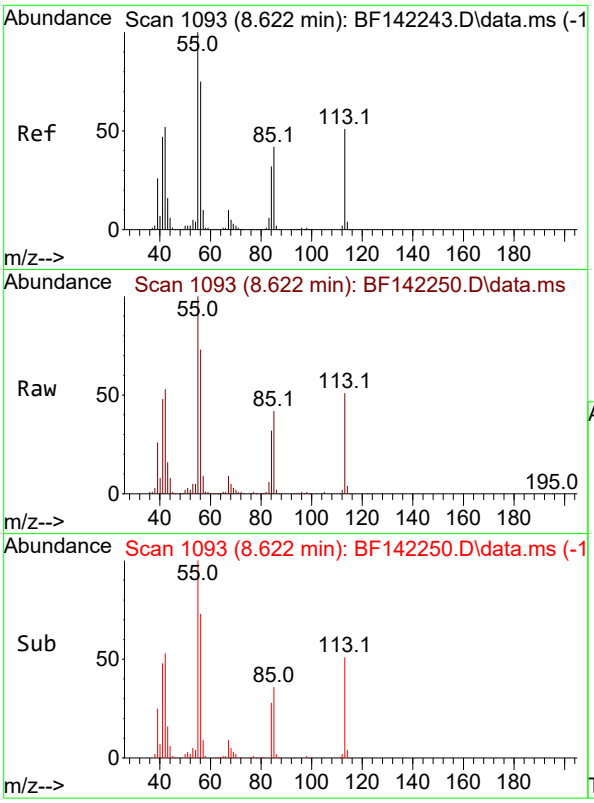


#34
Hexachlorobutadiene
Concen: 42.382 ng
RT: 8.334 min Scan# 1044
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:225 Resp: 267370

Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.7	74.5
227	63.5	51.0	76.4



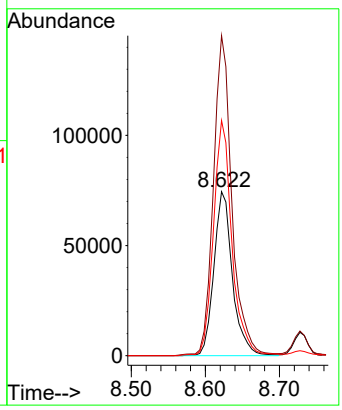


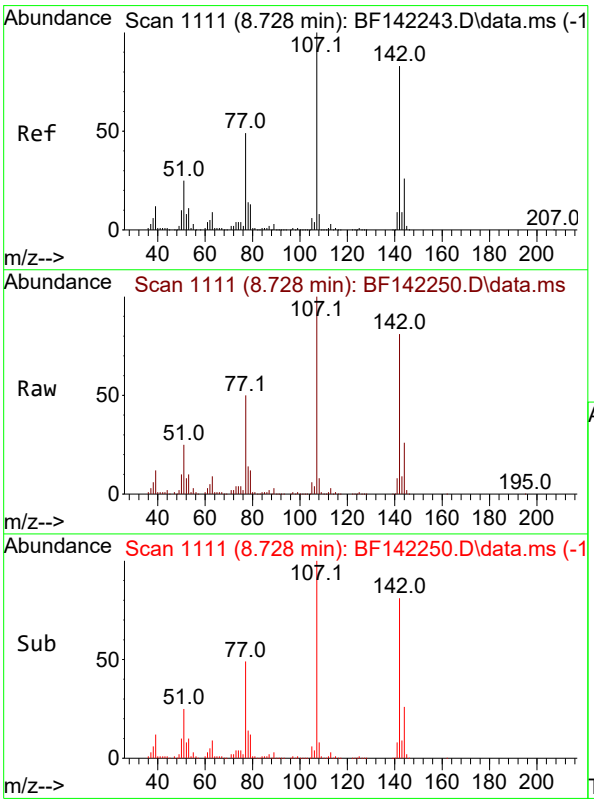
#35
Caprolactam
Concen: 44.410 ng
RT: 8.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 129344

Ion	Ratio	Lower	Upper
113	100		
55	195.1	177.7	217.7
56	143.4	127.1	167.1

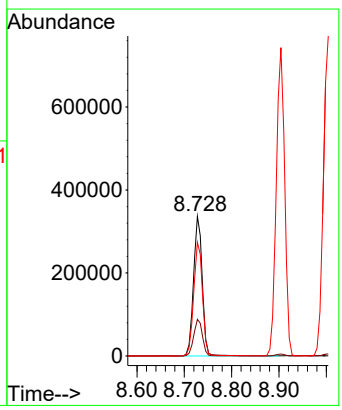


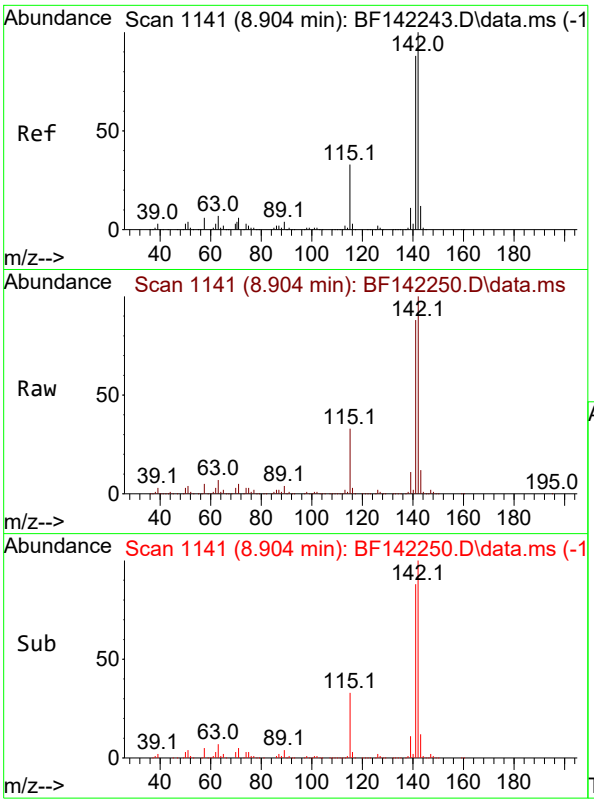


#36
4-Chloro-3-methylphenol
Concen: 43.337 ng
RT: 8.728 min Scan# 1111
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:107 Resp: 431195

Ion	Ratio	Lower	Upper
107	100		
144	26.2	21.0	31.4
142	81.4	66.1	99.1



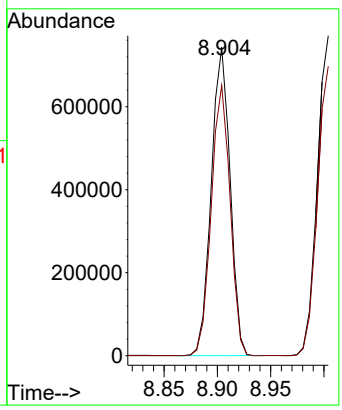


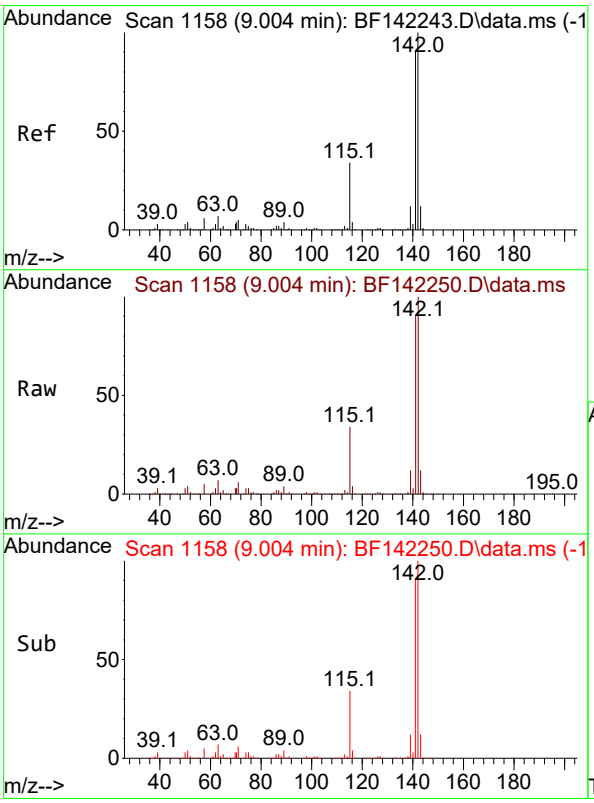
#37
2-Methylnaphthalene
Concen: 41.414 ng
RT: 8.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 913767

Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.5	105.7

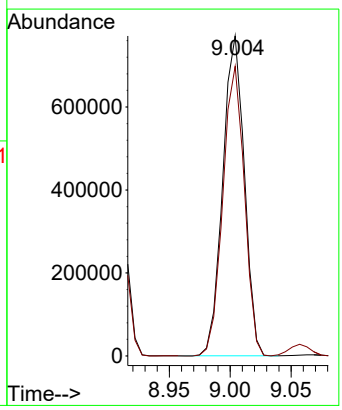


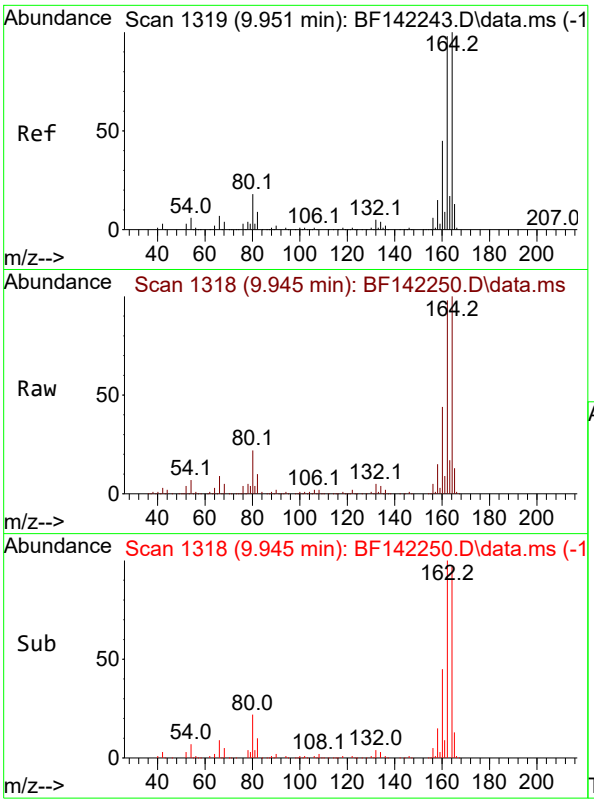


#38
1-Methylnaphthalene
Concen: 41.597 ng
RT: 9.004 min Scan# 1158
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:142 Resp: 950787

Ion	Ratio	Lower	Upper
142	100		
141	90.5	72.8	109.2



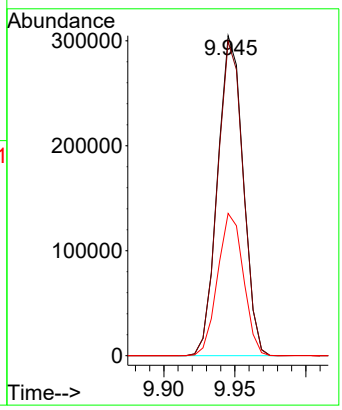


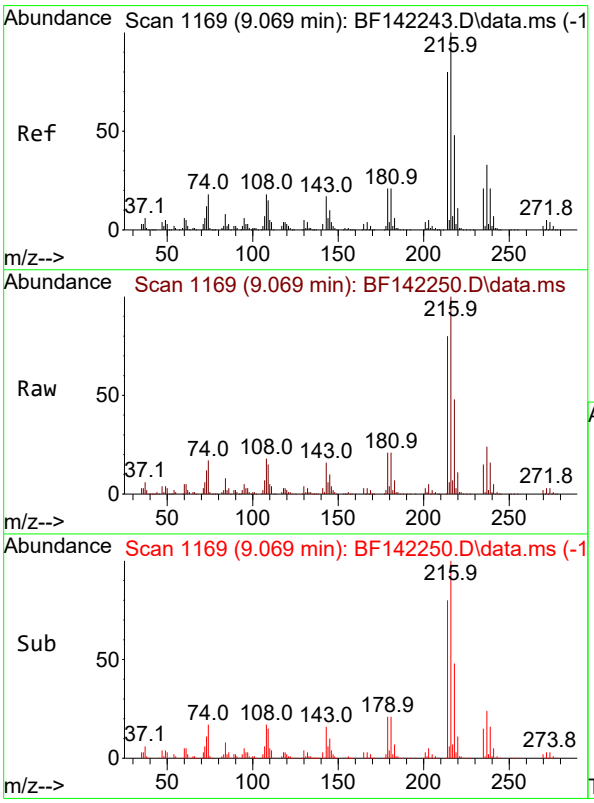
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 381198

Ion	Ratio	Lower	Upper
164	100		
162	98.2	78.6	117.8
160	44.5	35.7	53.5

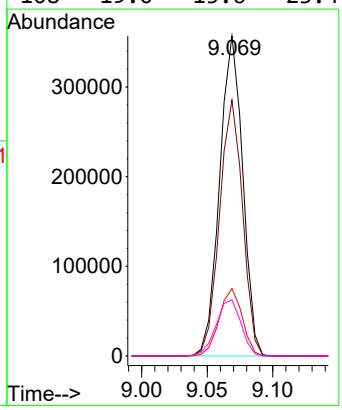


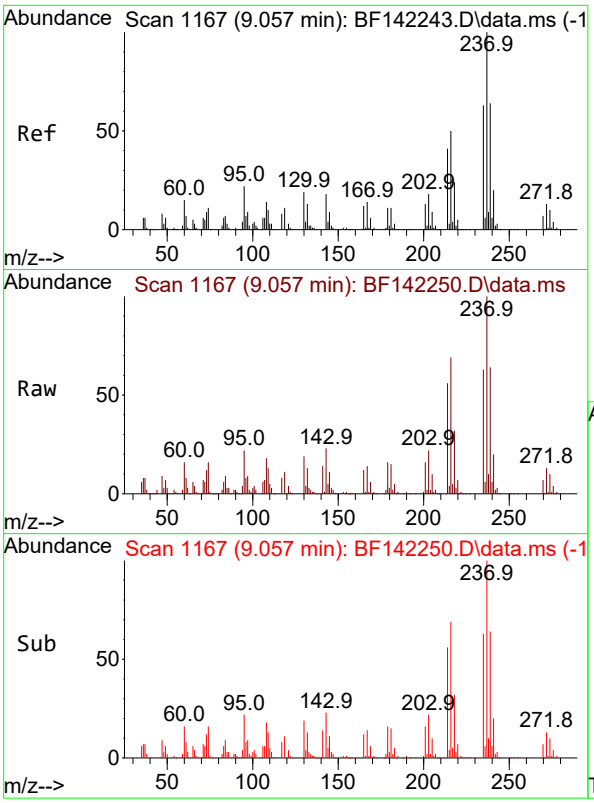


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.641 ng
RT: 9.069 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:216 Resp: 435999

Ion	Ratio	Lower	Upper
216	100		
214	79.7	63.8	95.6
179	21.1	16.7	25.1
108	19.0	15.6	23.4



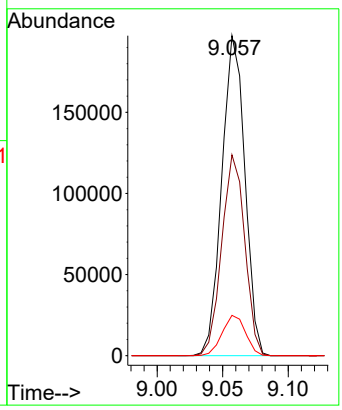


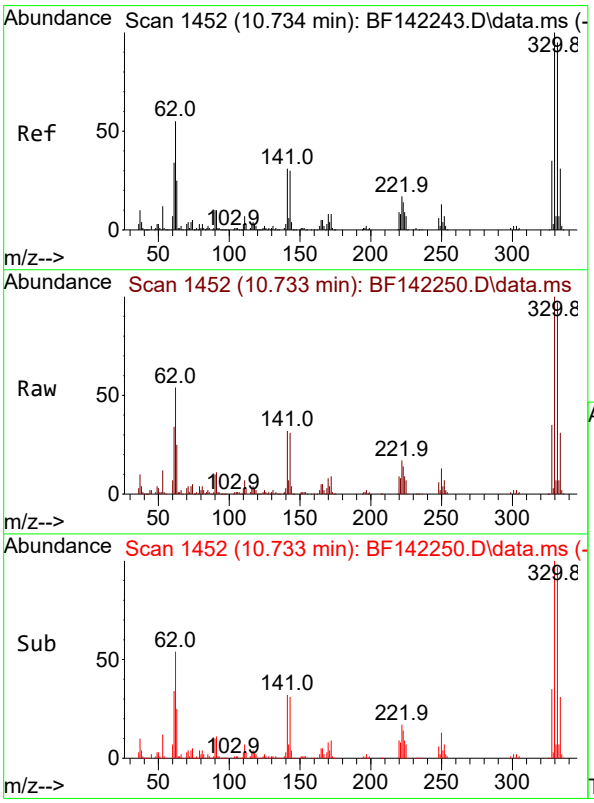
#41
Hexachlorocyclopentadiene
Concen: 39.605 ng
RT: 9.057 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 241144

Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.5	83.5
272	12.6	0.0	32.9

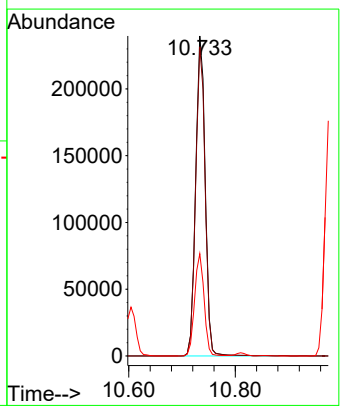


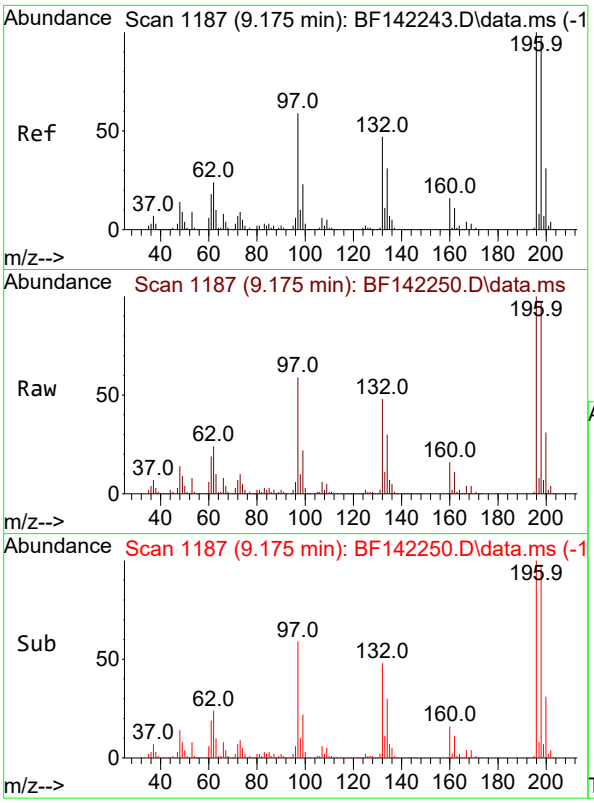


#42
2,4,6-Tribromophenol
Concen: 85.983 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:330 Resp: 298805

Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.5	114.7
141	31.9	24.3	36.5



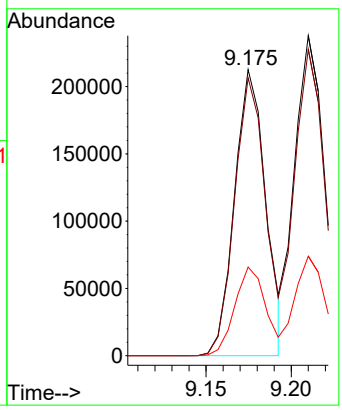


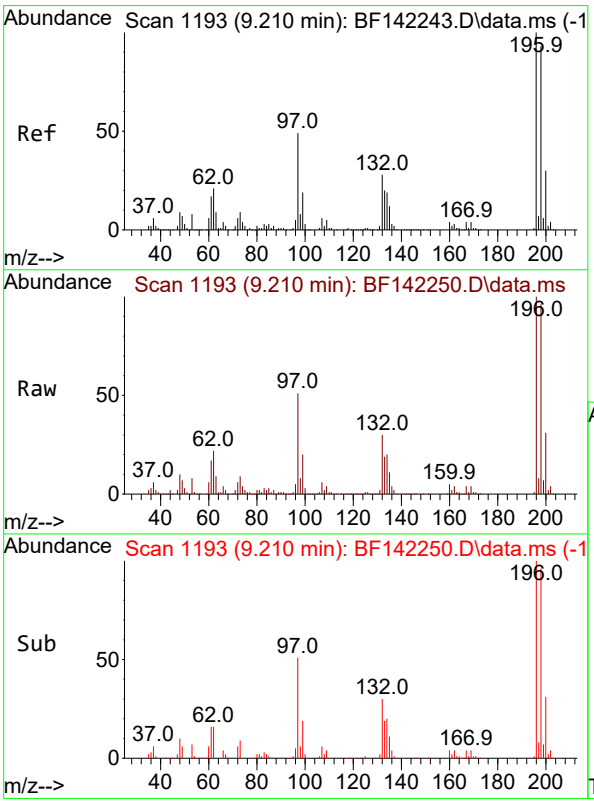
#43
2,4,6-Trichlorophenol
Concen: 40.551 ng
RT: 9.175 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 269577

Ion	Ratio	Lower	Upper
196	100		
198	97.1	77.4	116.2
200	31.0	24.6	37.0

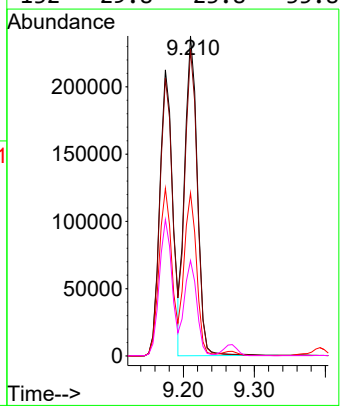


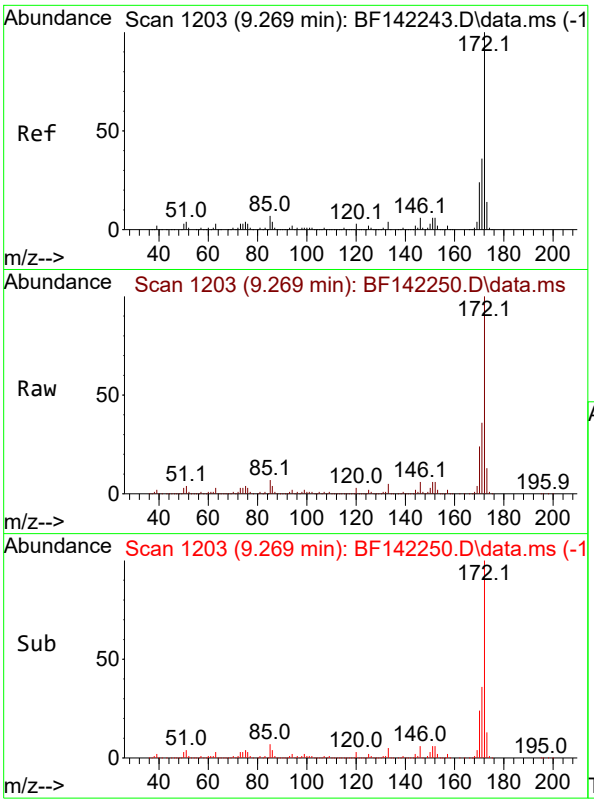


#44
2,4,5-Trichlorophenol
Concen: 42.108 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:196 Resp: 294308

Ion	Ratio	Lower	Upper
196	100		
198	95.7	75.2	112.8
97	50.9	39.8	59.8
132	29.8	23.8	35.8



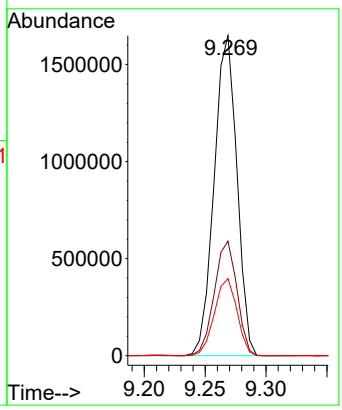


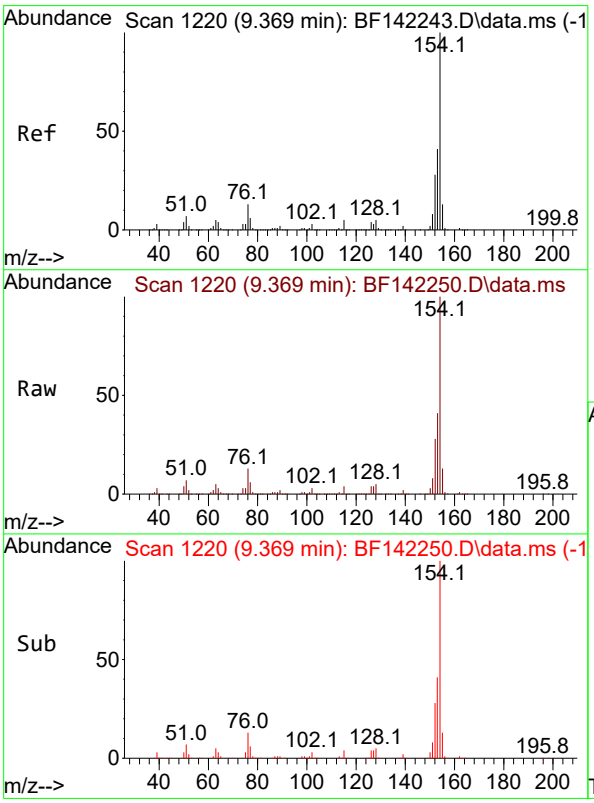
#45
2-Fluorobiphenyl
Concen: 79.446 ng
RT: 9.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 2147916

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.0	43.4
170	24.1	19.4	29.0

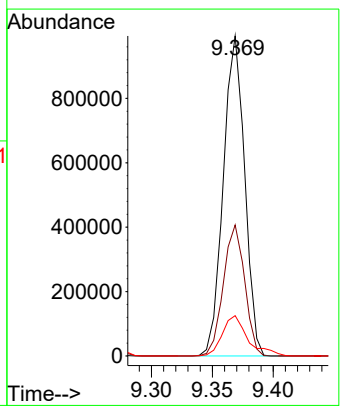


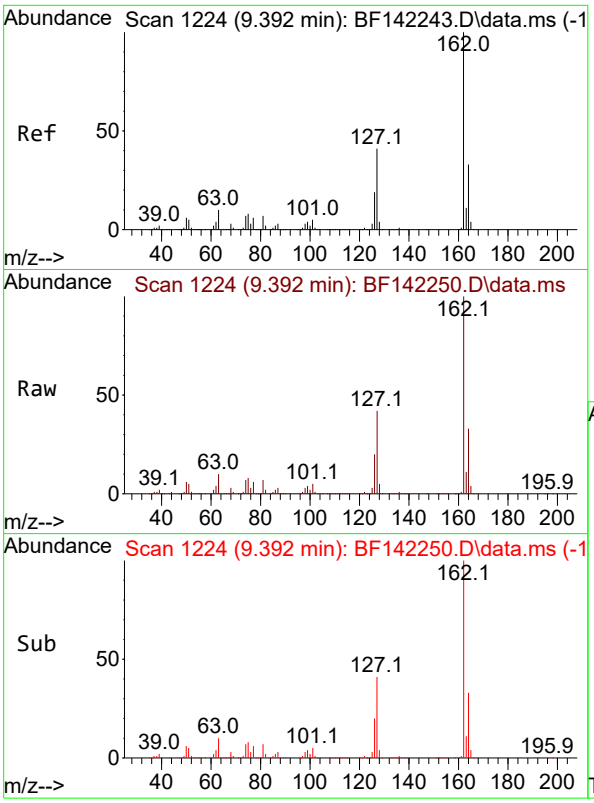


#46
1,1'-Biphenyl
Concen: 40.922 ng
RT: 9.369 min Scan# 1220
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:154 Resp: 1212716

Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.5	60.5
76	12.6	0.0	32.8



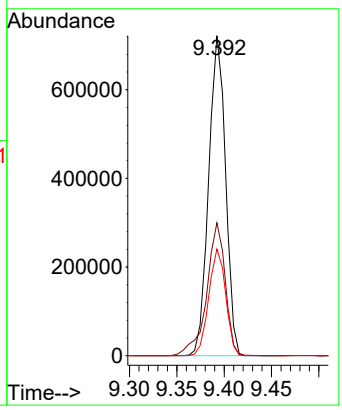


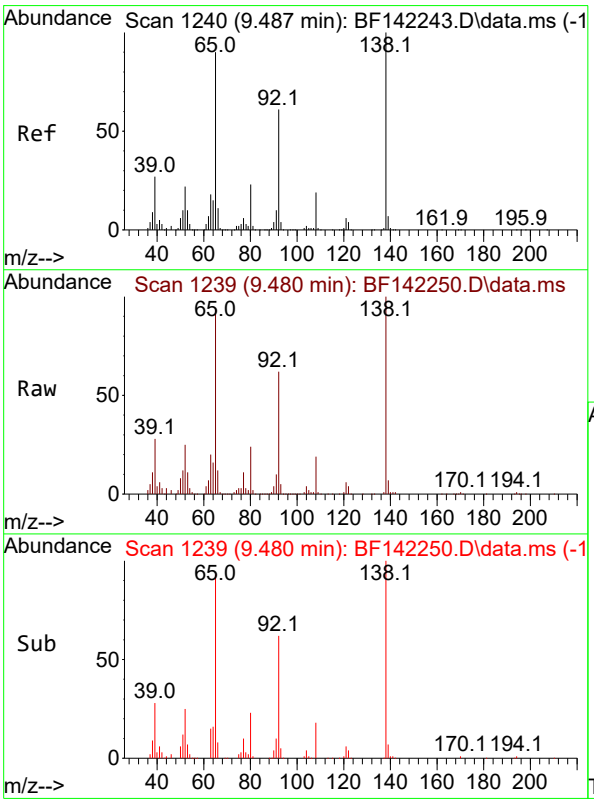
#47
2-Chloronaphthalene
Concen: 40.663 ng
RT: 9.392 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 896541

Ion	Ratio	Lower	Upper
162	100		
127	41.5	32.6	49.0
164	33.3	26.1	39.1

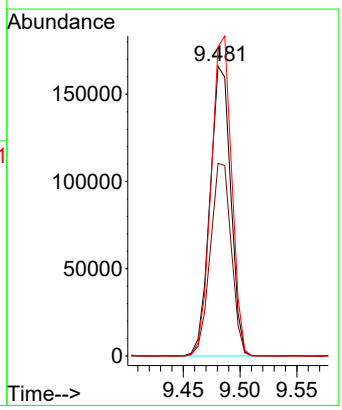


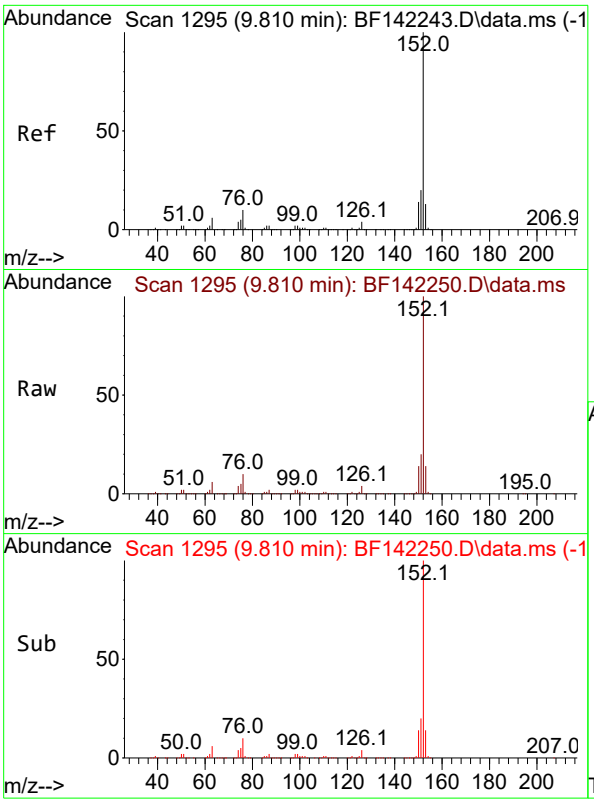


#48
2-Nitroaniline
Concen: 37.508 ng
RT: 9.480 min Scan# 1239
Delta R.T. -0.007 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion: 65 Resp: 211351

Ion	Ratio	Lower	Upper
65	100		
92	66.4	54.3	81.5
138	106.6	88.6	133.0



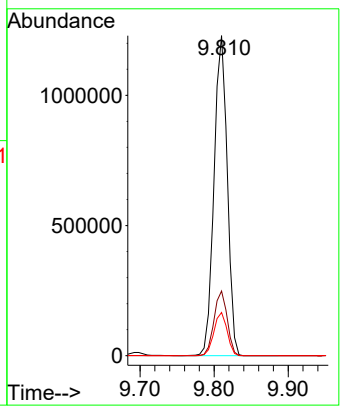


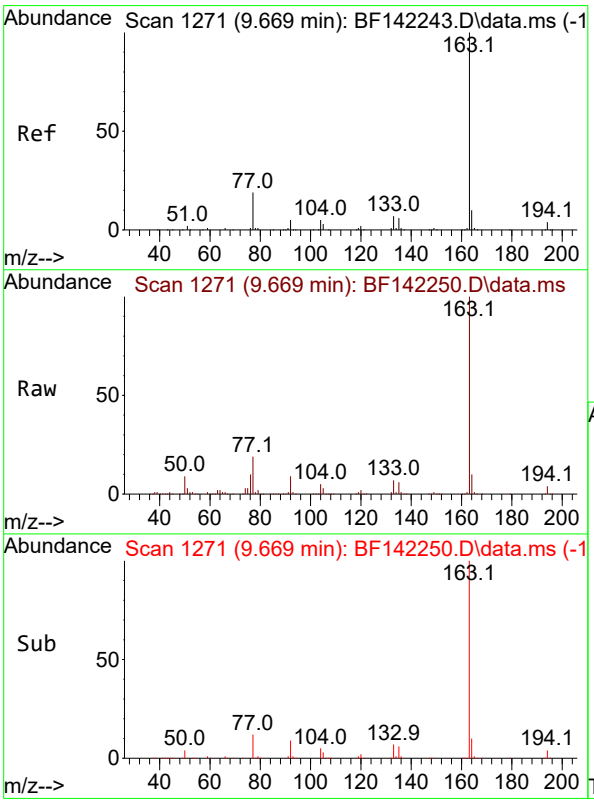
#49
Acenaphthylene
Concen: 40.906 ng
RT: 9.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 1521943

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.5	10.7	16.1

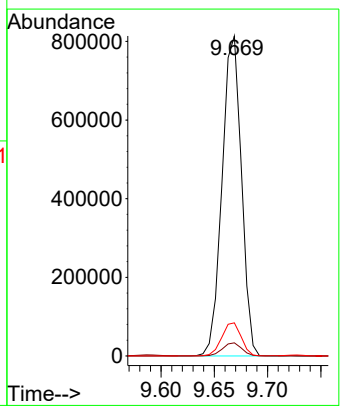


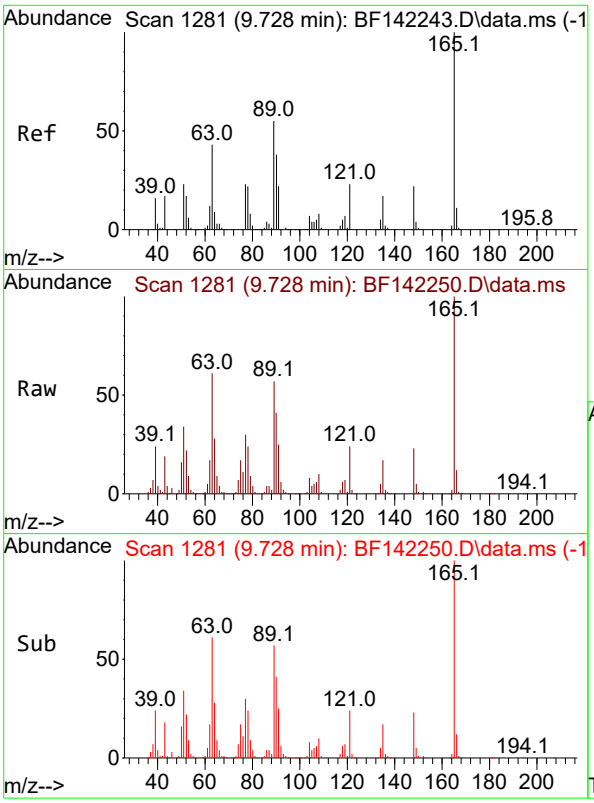


#50
Dimethylphthalate
Concen: 42.093 ng
RT: 9.669 min Scan# 1271
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:163 Resp: 1026519

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.4	8.2	12.2



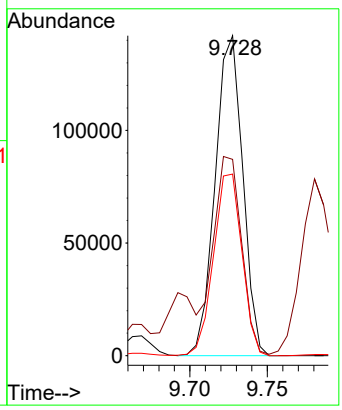


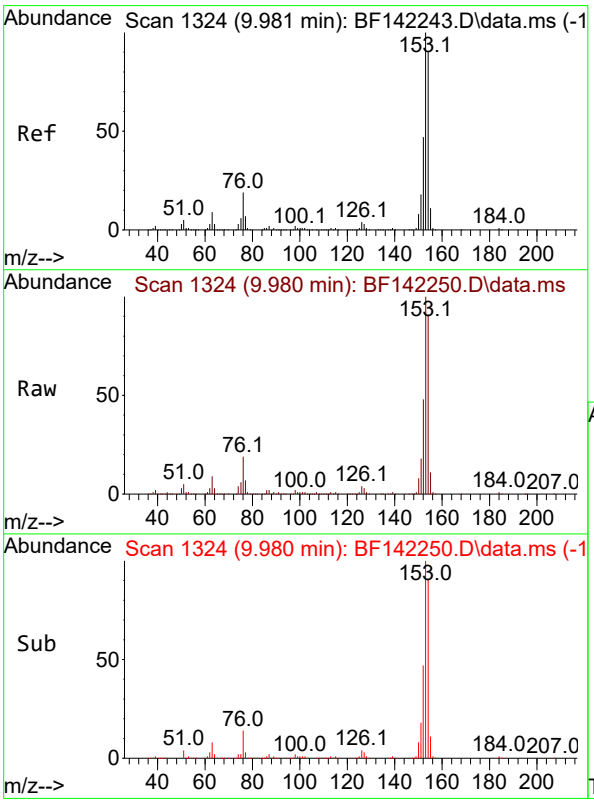
#51
2,6-Dinitrotoluene
Concen: 38.527 ng
RT: 9.728 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 176156

Ion	Ratio	Lower	Upper
165	100		
63	61.3	48.5	72.7
89	56.7	43.9	65.9

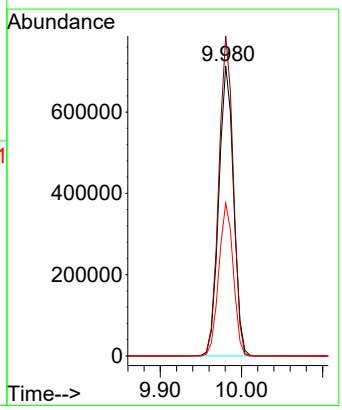


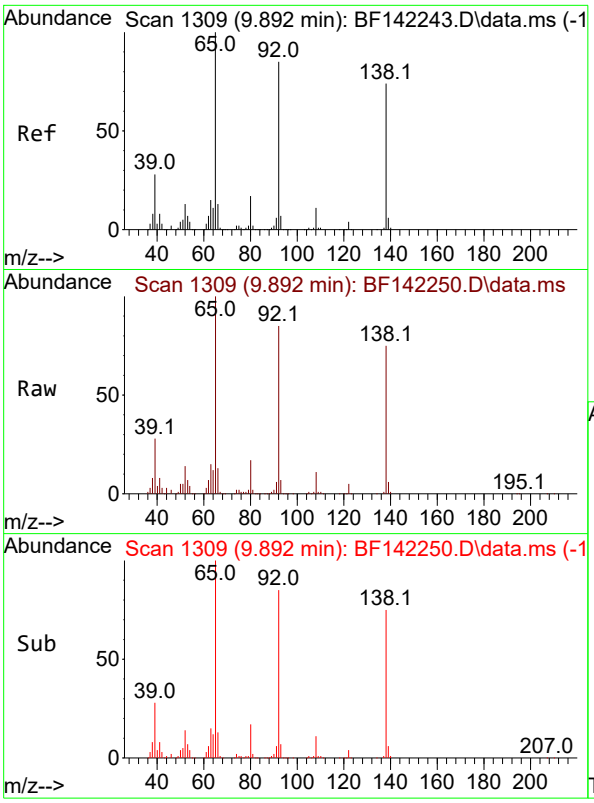


#52
Acenaphthene
Concen: 41.576 ng
RT: 9.980 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:154 Resp: 903201

Ion	Ratio	Lower	Upper
154	100		
153	110.3	88.6	133.0
152	52.6	42.1	63.1



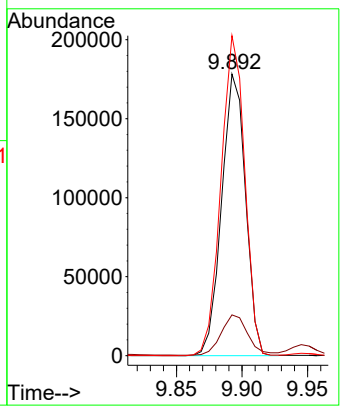


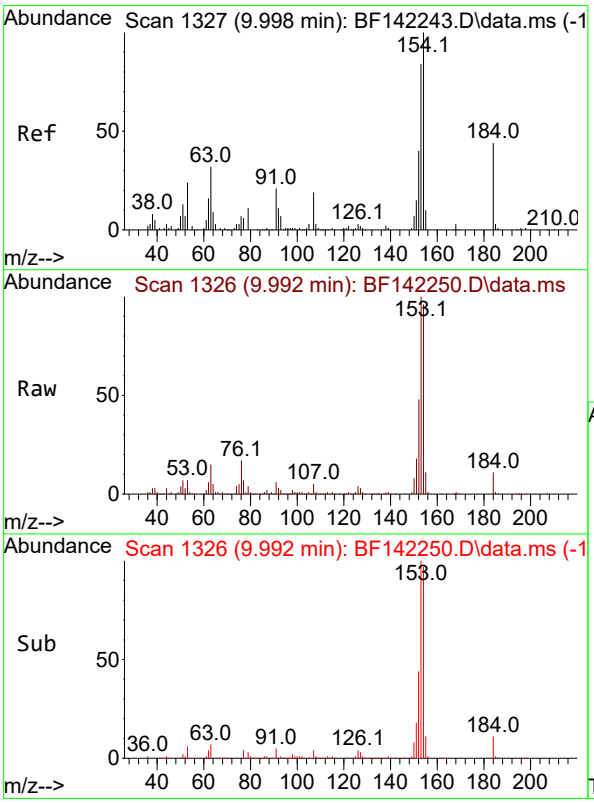
#53
3-Nitroaniline
Concen: 40.152 ng
RT: 9.892 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 225294

Ion	Ratio	Lower	Upper
138	100		
108	14.5	11.7	17.5
92	113.6	91.2	136.8

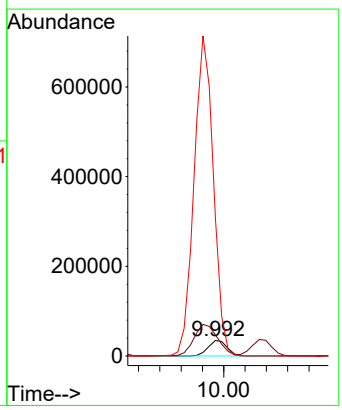


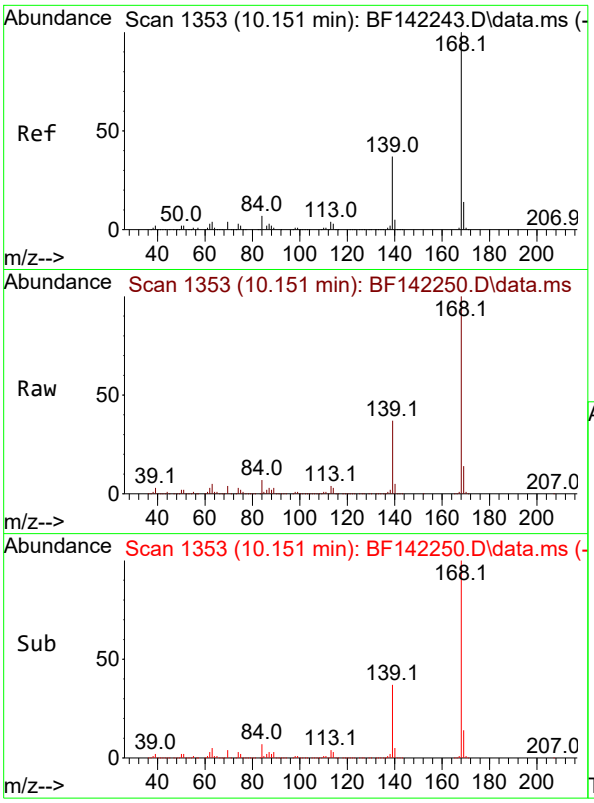


#54
2,4-Dinitrophenol
Concen: 37.926 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:184 Resp: 42525

Ion	Ratio	Lower	Upper
184	100		
63	136.6	69.2	103.8#
154	883.4	271.4	407.2#



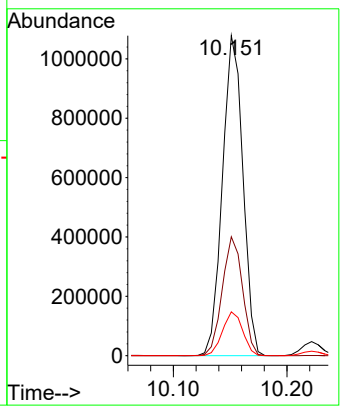


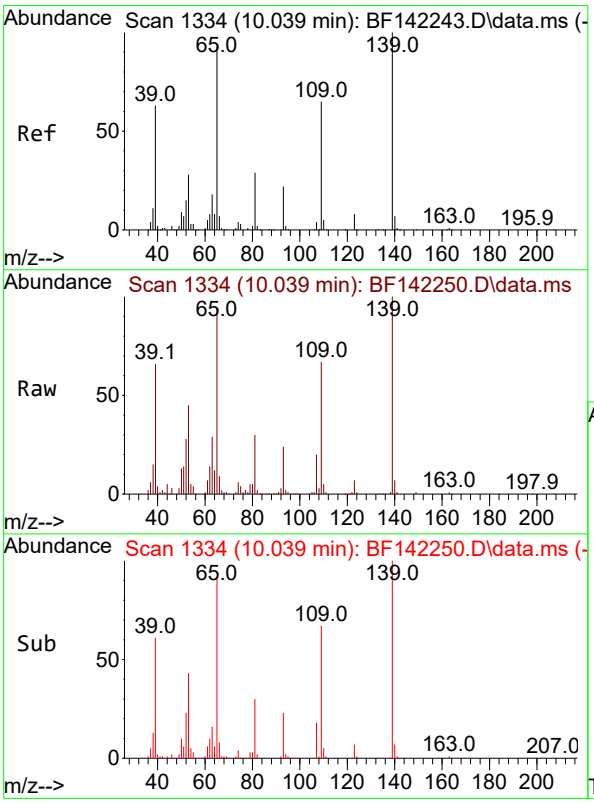
#55
Dibenzofuran
Concen: 41.484 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 1350916

Ion	Ratio	Lower	Upper
168	100		
139	37.2	29.4	44.0
169	13.7	11.0	16.4

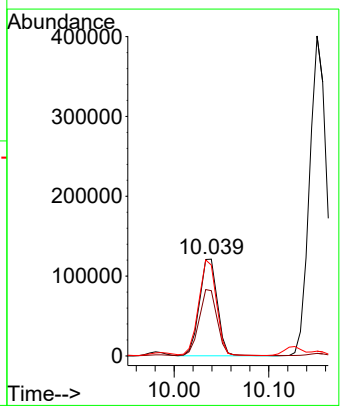


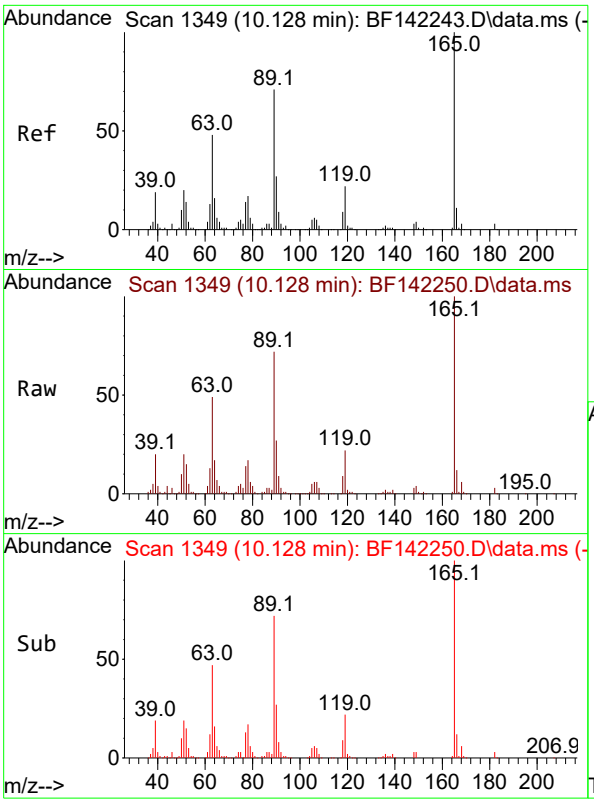


#56
4-Nitrophenol
Concen: 41.706 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:139 Resp: 159868

Ion	Ratio	Lower	Upper
139	100		
109	67.4	44.9	84.9
65	93.9	74.7	114.7



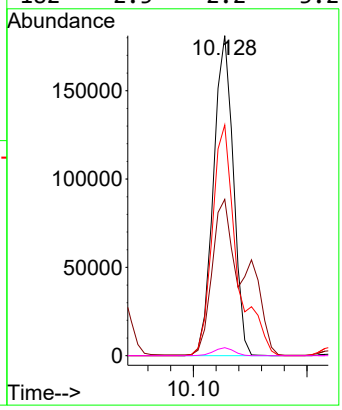


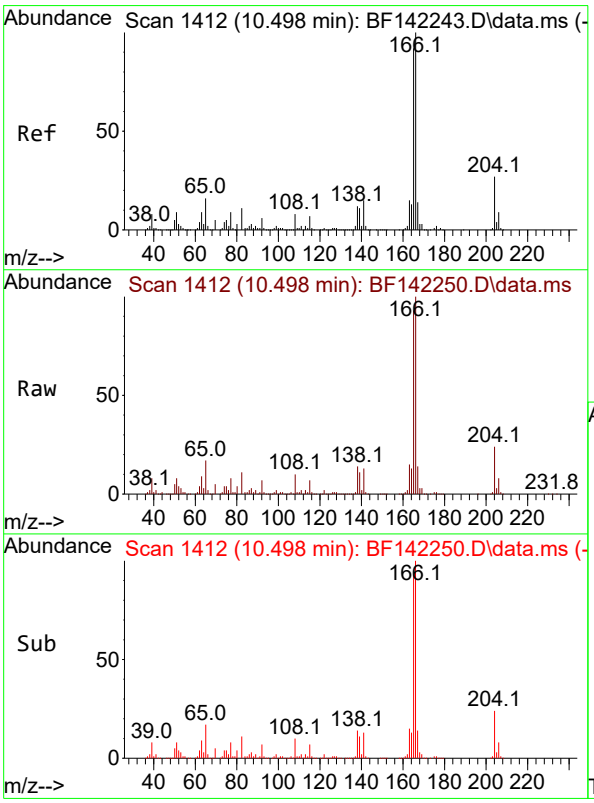
#57
2,4-Dinitrotoluene
Concen: 39.850 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 220248

Ion	Ratio	Lower	Upper
165	100		
63	48.8	38.8	58.2
89	72.1	57.1	85.7
182	2.5	2.2	3.2

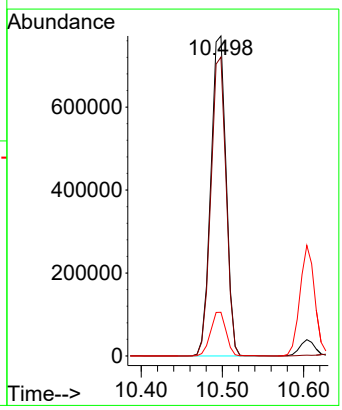


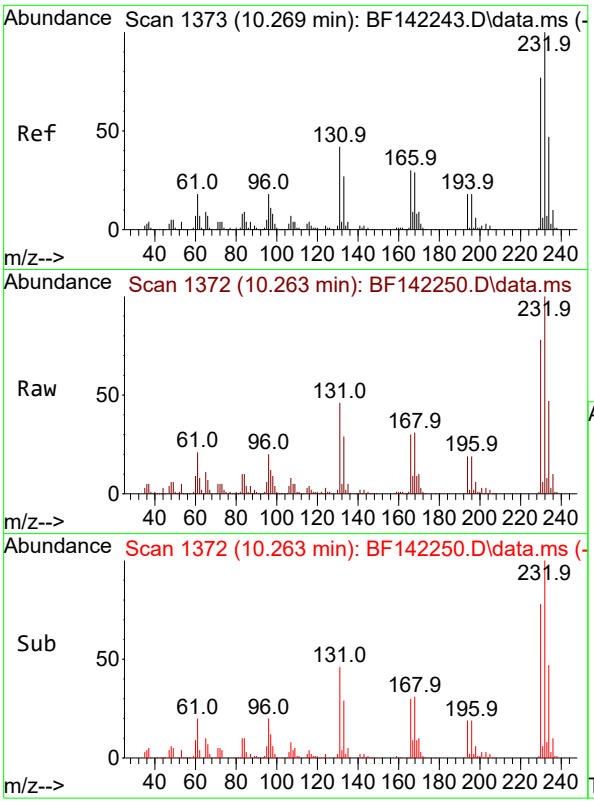


#58
Fluorene
Concen: 40.709 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:166 Resp: 1007989

Ion	Ratio	Lower	Upper
166	100		
165	93.4	73.9	110.9
167	13.7	10.8	16.2



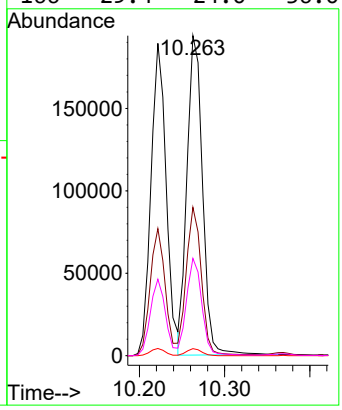


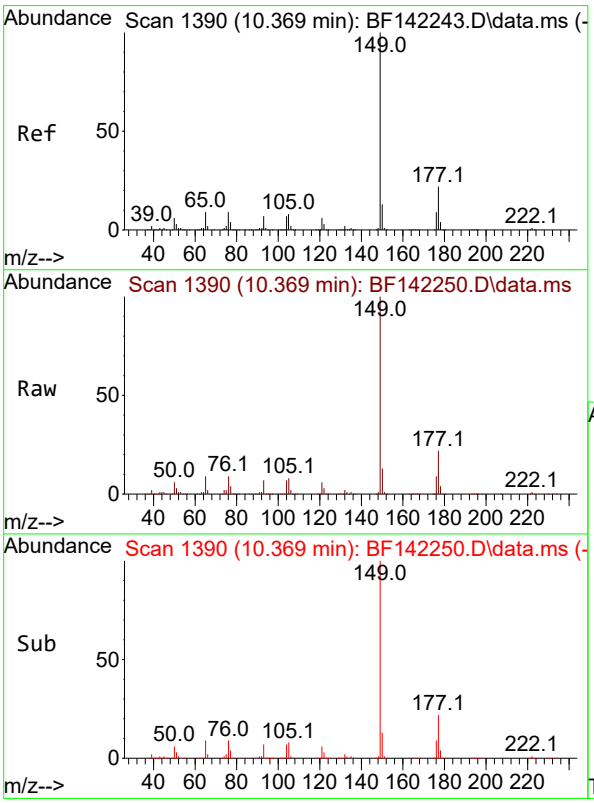
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.475 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 245919

Ion	Ratio	Lower	Upper
232	100		
131	46.0	35.9	53.9
130	2.1	1.8	2.6
166	29.4	24.0	36.0

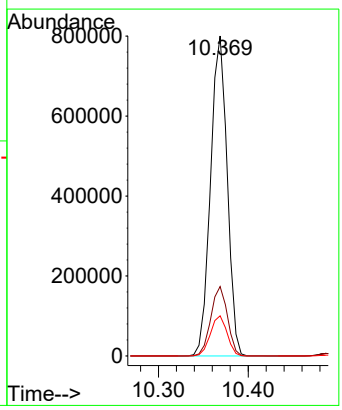


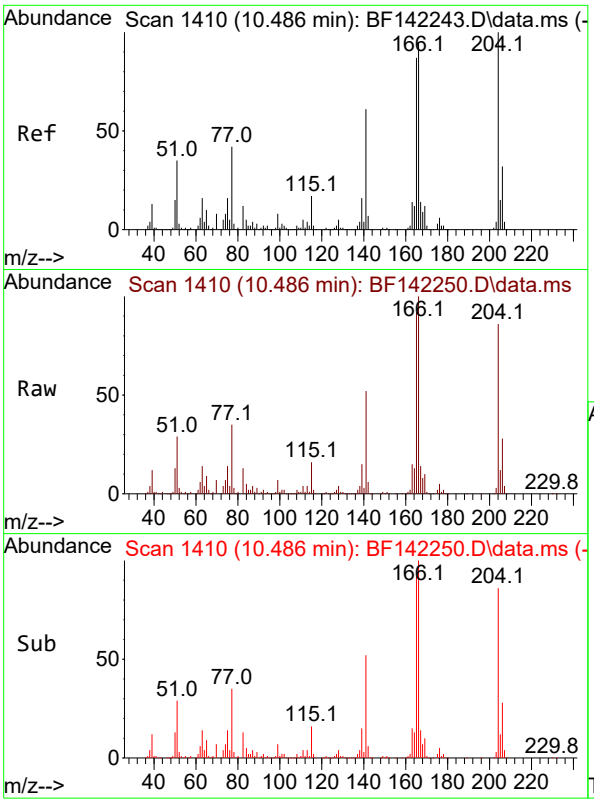


#60
Diethylphthalate
Concen: 42.799 ng
RT: 10.369 min Scan# 1390
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:149 Resp: 1030685

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.6	26.4
150	12.5	10.2	15.2



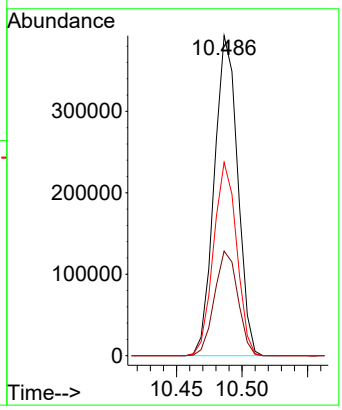


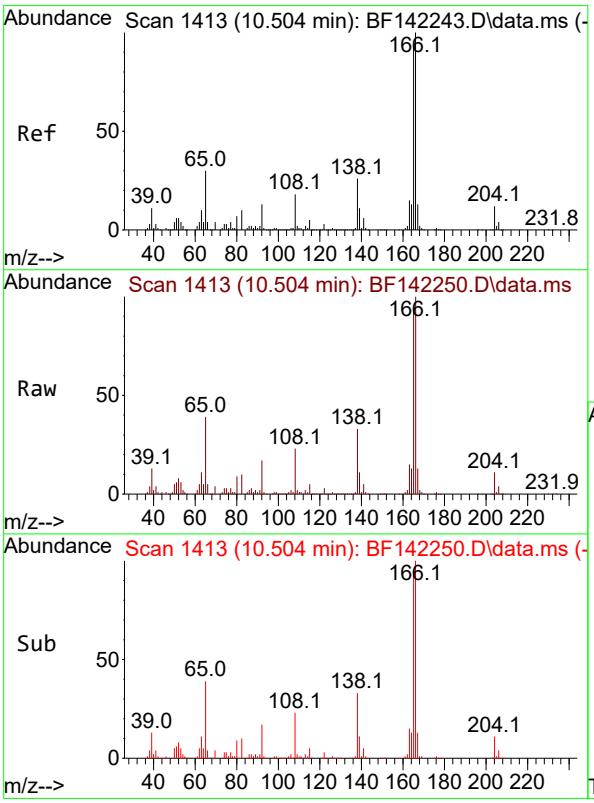
#61
4-Chlorophenyl-phenylether
Concen: 41.333 ng
RT: 10.486 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 486030

Ion	Ratio	Lower	Upper
204	100		
206	32.7	25.6	38.4
141	60.4	48.9	73.3

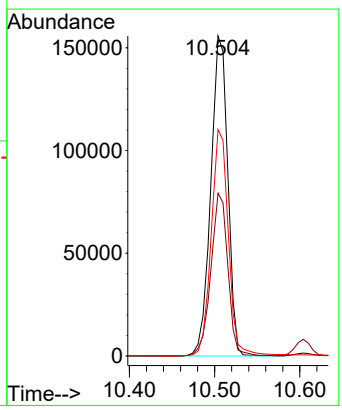


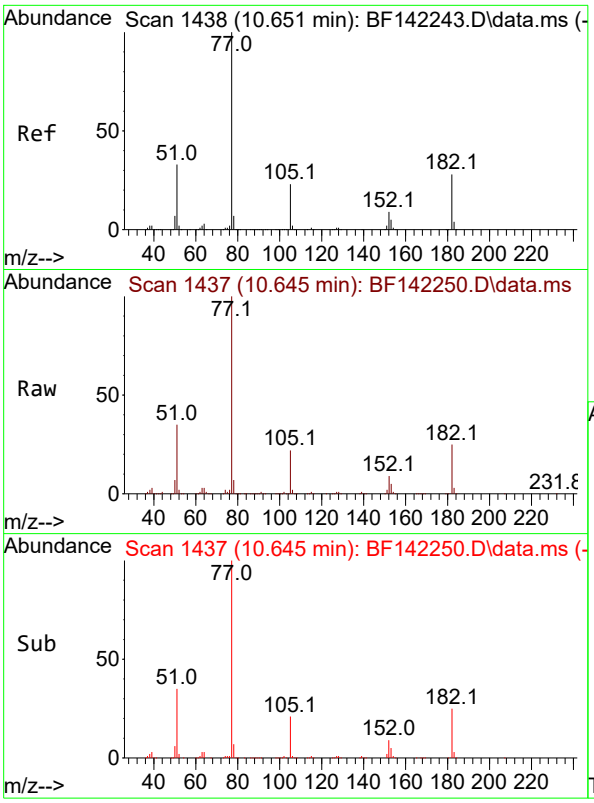


#62
4-Nitroaniline
Concen: 42.018 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:138 Resp: 215440

Ion	Ratio	Lower	Upper
138	100		
92	50.8	29.2	69.2
108	70.7	49.1	89.1



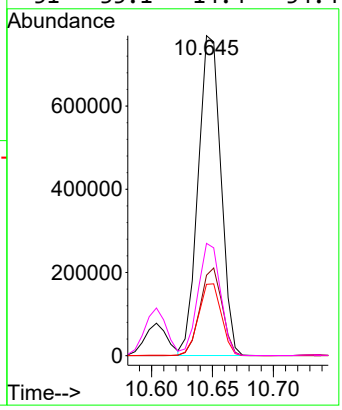


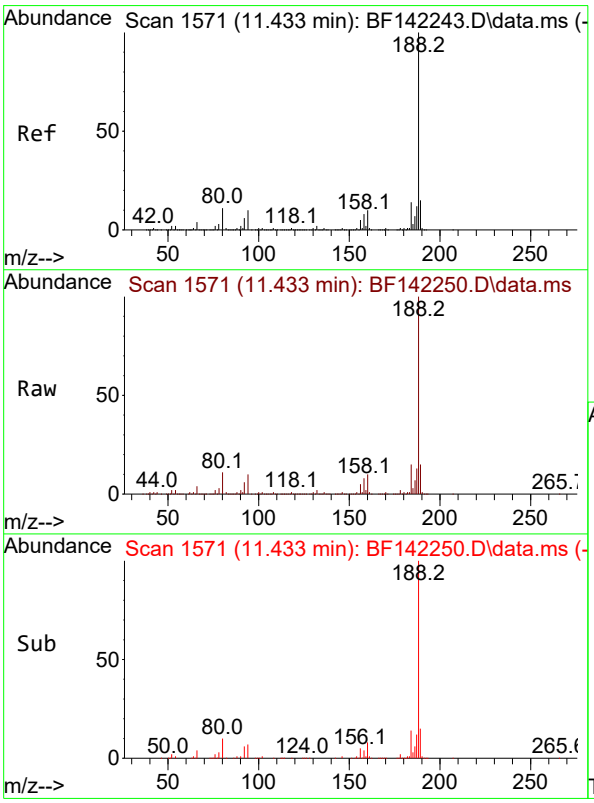
#63
Azobenzene
Concen: 41.895 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 996298

Ion	Ratio	Lower	Upper
77	100		
182	25.2	7.3	47.3
105	22.3	2.5	42.5
51	35.1	14.4	54.4

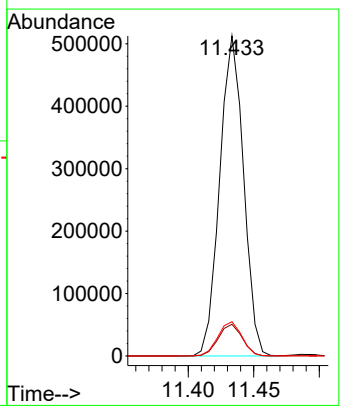


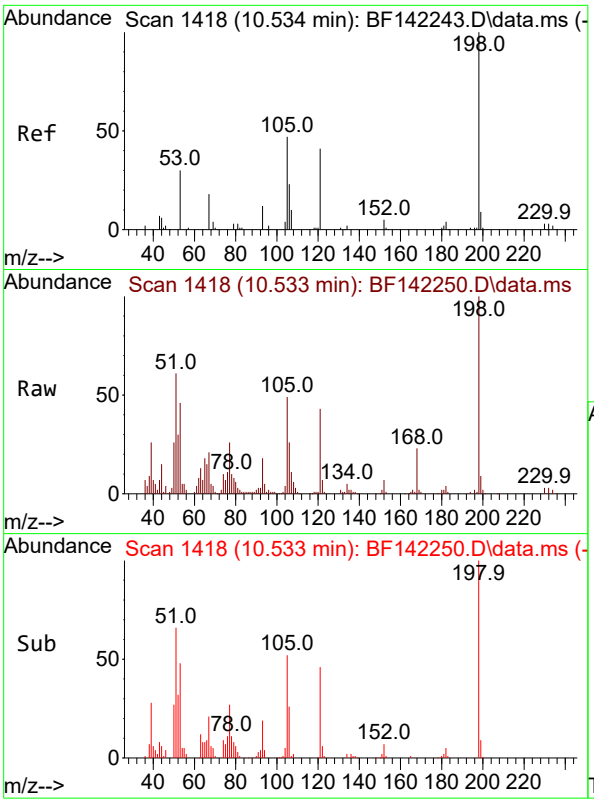


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:188 Resp: 647816

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.2	12.2
80	10.7	8.6	12.8



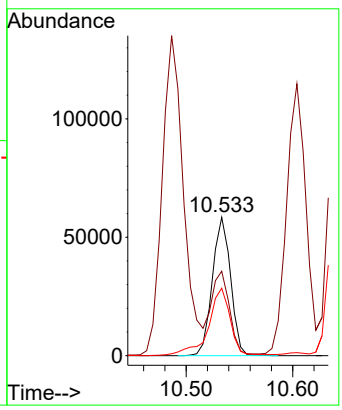


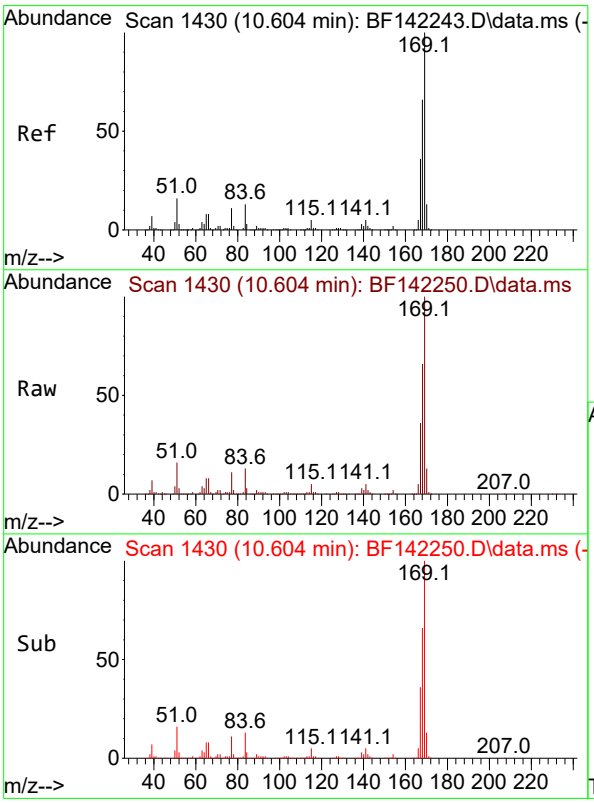
#65
4,6-Dinitro-2-methylphenol
Concen: 35.905 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.001 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 69294

Ion	Ratio	Lower	Upper
198	100		
51	61.0	40.6	80.6
105	48.7	29.2	69.2

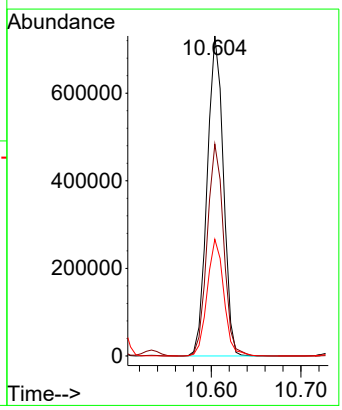


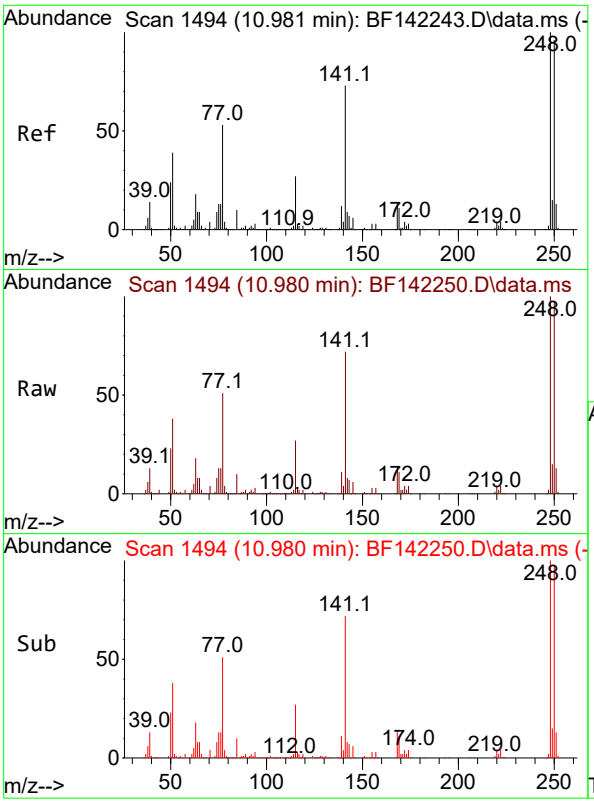


#66
n-Nitrosodiphenylamine
Concen: 41.322 ng
RT: 10.604 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:169 Resp: 914630

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.6
167	36.5	28.8	43.2



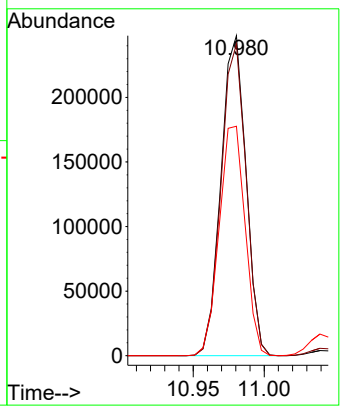


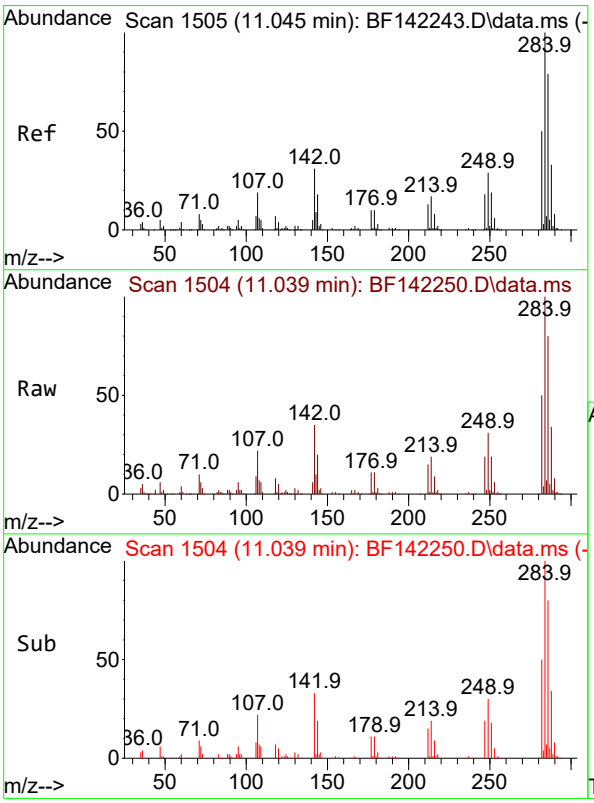
#67
4-Bromophenyl-phenylether
Concen: 42.258 ng
RT: 10.980 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 304870

Ion	Ratio	Lower	Upper
248	100		
250	97.4	77.2	115.8
141	71.7	58.4	87.6

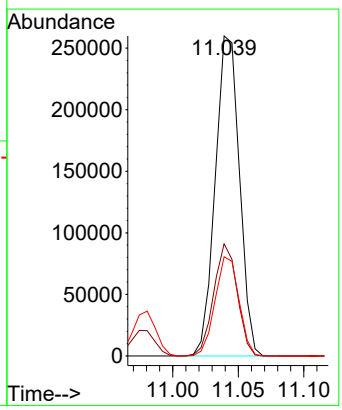


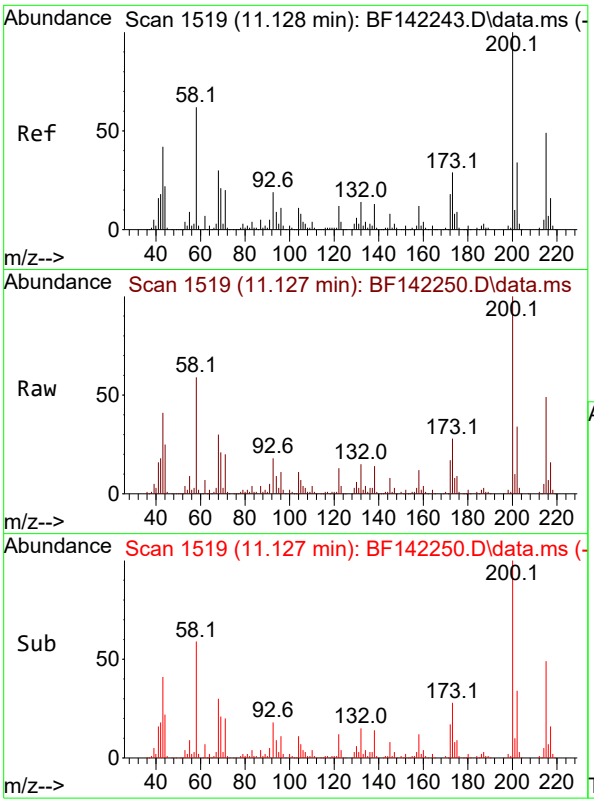


#68
Hexachlorobenzene
Concen: 41.207 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:284 Resp: 332960

Ion	Ratio	Lower	Upper
284	100		
142	35.1	24.6	37.0
249	31.0	23.2	34.8



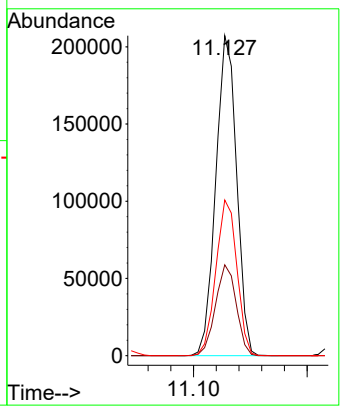


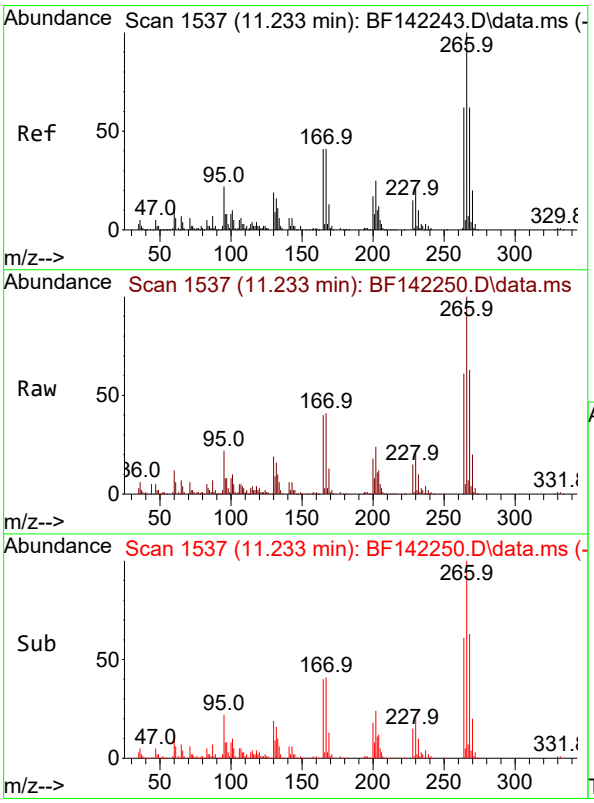
#69
Atrazine
Concen: 45.262 ng
RT: 11.127 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 264074

Ion	Ratio	Lower	Upper
200	100		
173	28.4	8.6	48.6
215	48.7	28.5	68.5

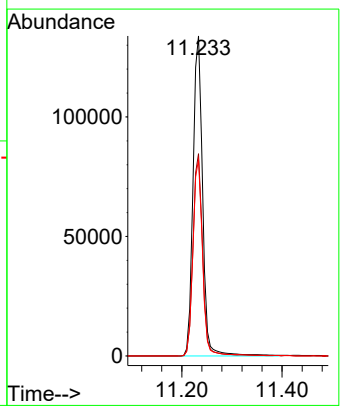


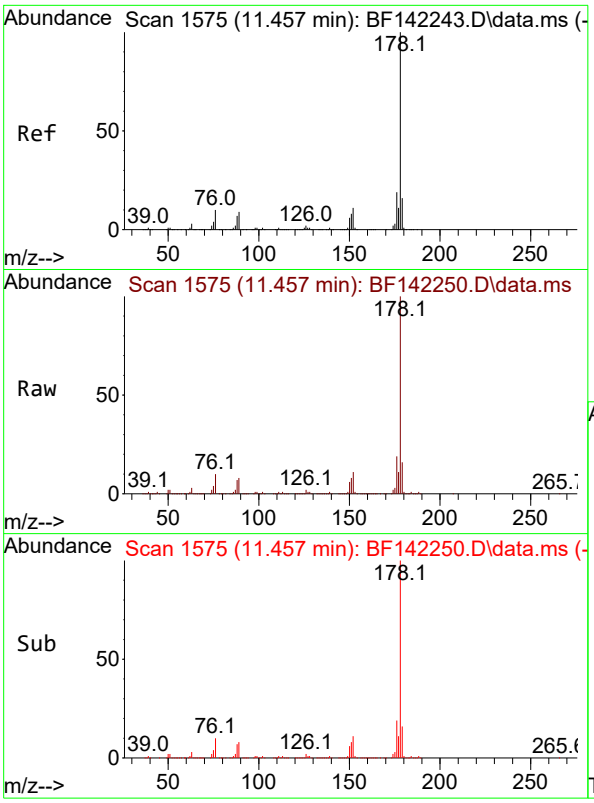


#70
Pentachlorophenol
Concen: 41.491 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:266 Resp: 177109

Ion	Ratio	Lower	Upper
266	100		
268	63.2	50.0	75.0
264	61.4	49.3	73.9



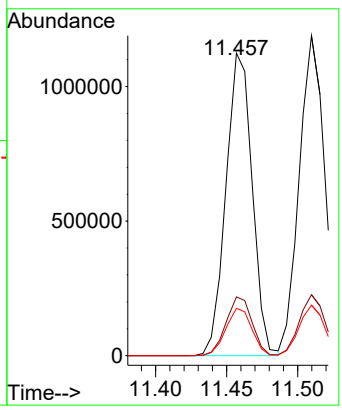


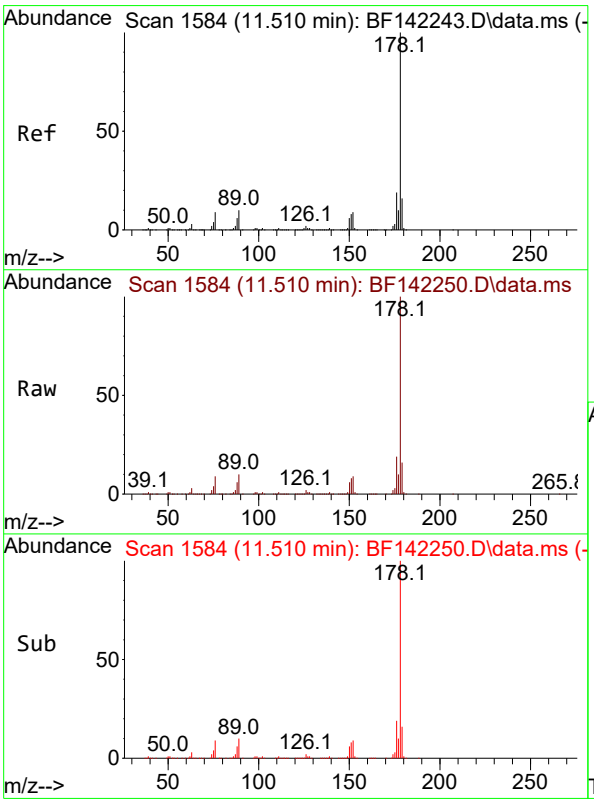
#71
Phenanthrene
Concen: 41.326 ng
RT: 11.457 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 1446110

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.7	12.6	19.0

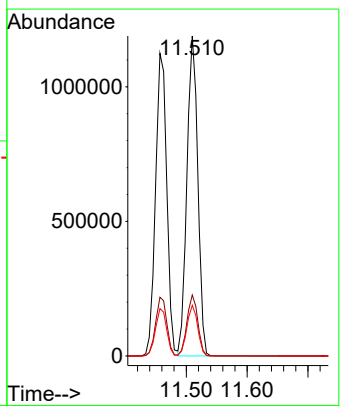


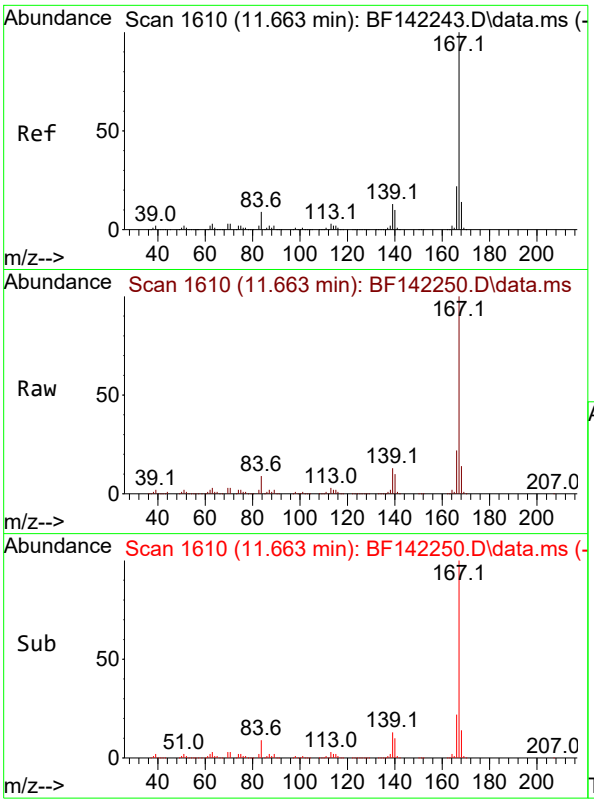


#72
Anthracene
Concen: 41.339 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:178 Resp: 1479001

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.8	12.7	19.1



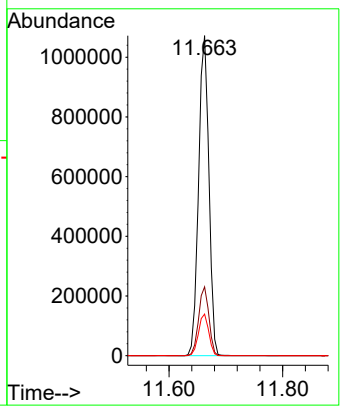


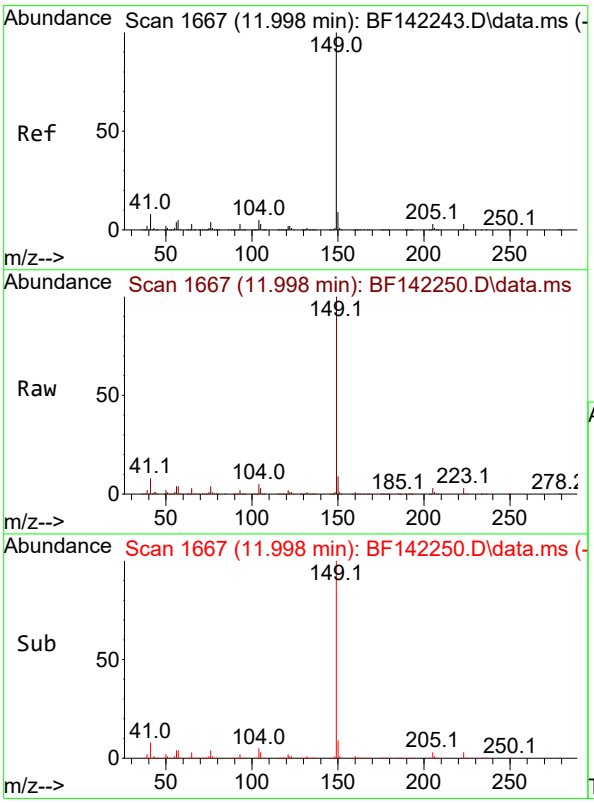
#73
Carbazole
Concen: 41.429 ng
RT: 11.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 1352106

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.3	25.9
139	13.0	10.3	15.5

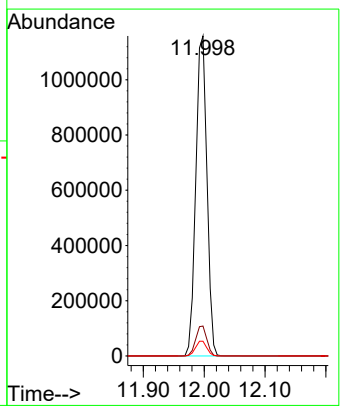


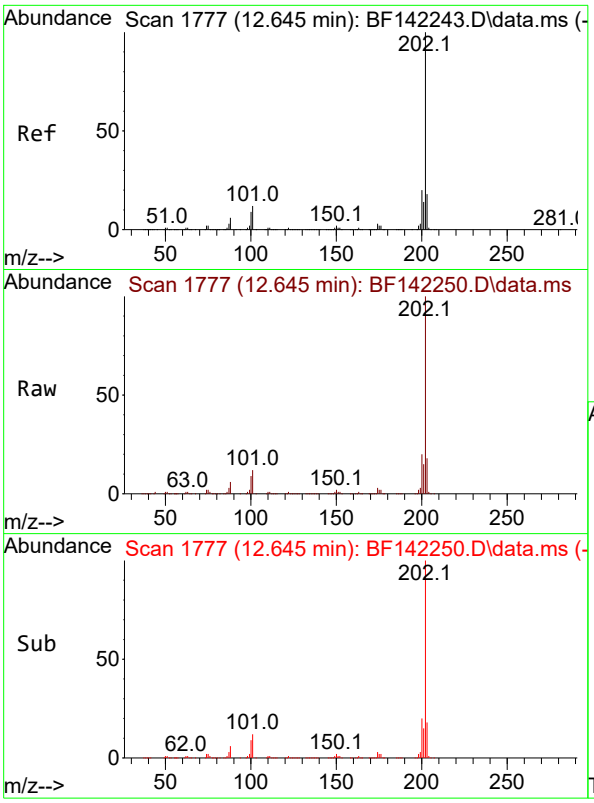


#74
Di-n-butylphthalate
Concen: 44.864 ng
RT: 11.998 min Scan# 1667
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:149 Resp: 1472584

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.6	3.6	5.4



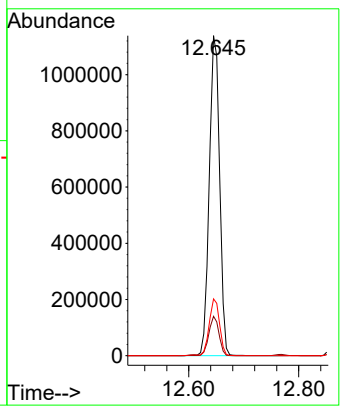


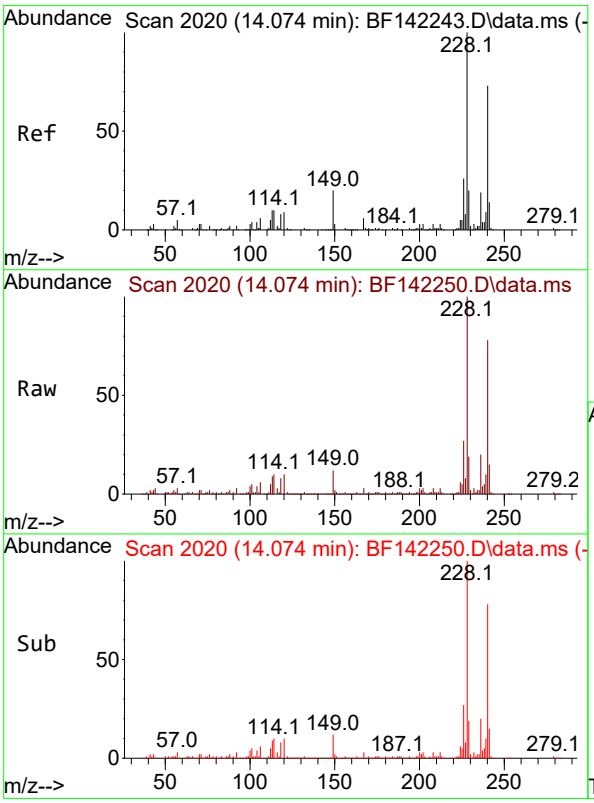
#75
Fluoranthene
Concen: 42.947 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 1485579

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	32.4
203	17.8	0.0	37.5

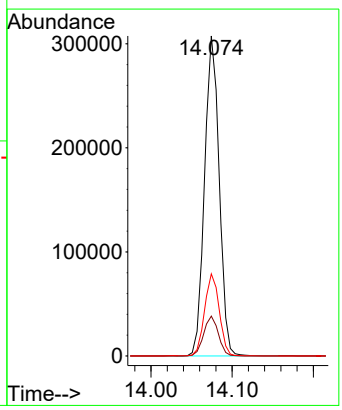


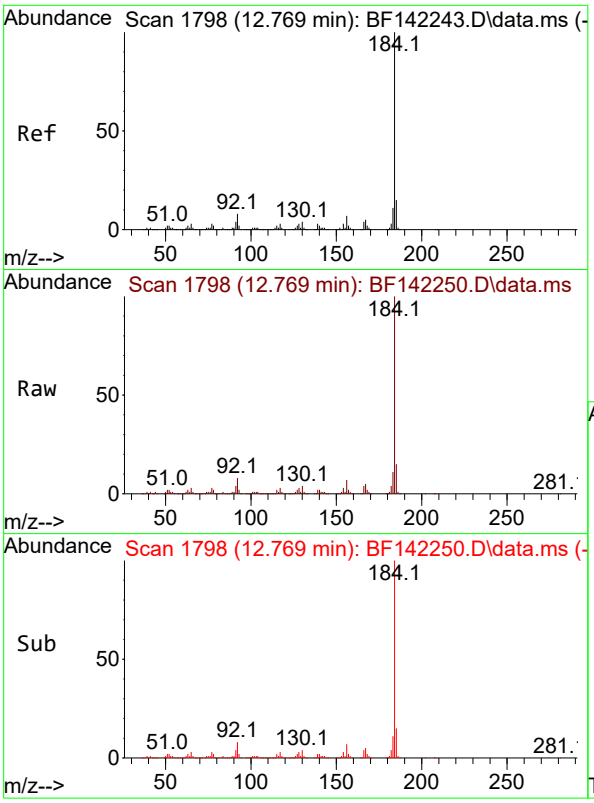


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:240 Resp: 384442

Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.1	15.1
236	25.7	20.5	30.7



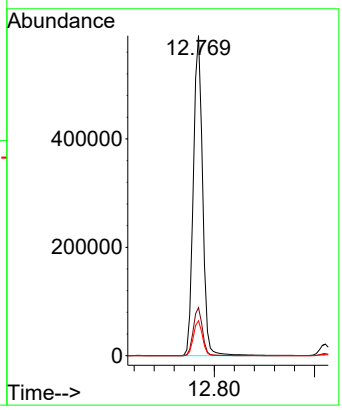


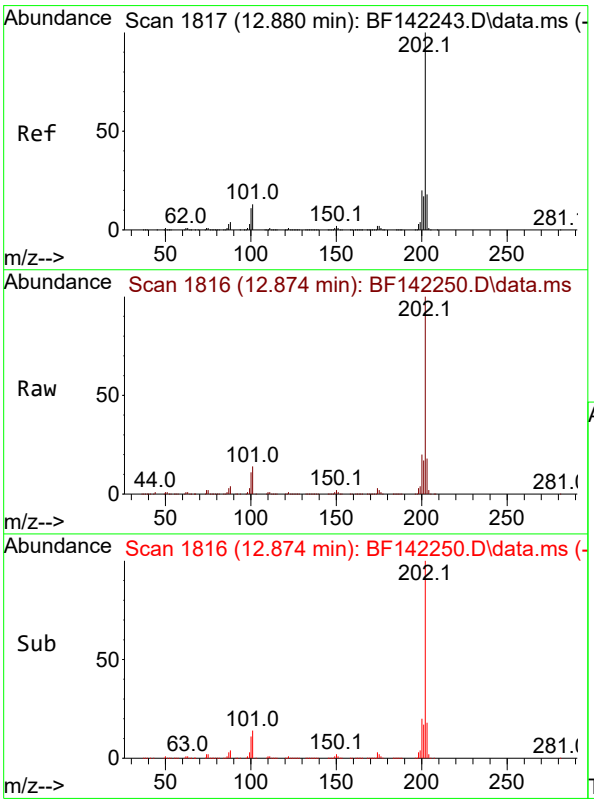
#77
Benzidine
Concen: 46.160 ng
RT: 12.769 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 754042

Ion	Ratio	Lower	Upper
184	100		
185	15.0	11.8	17.6
183	10.9	8.9	13.3

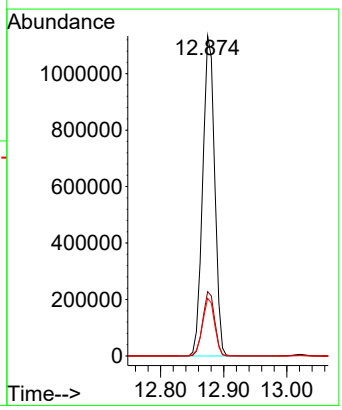


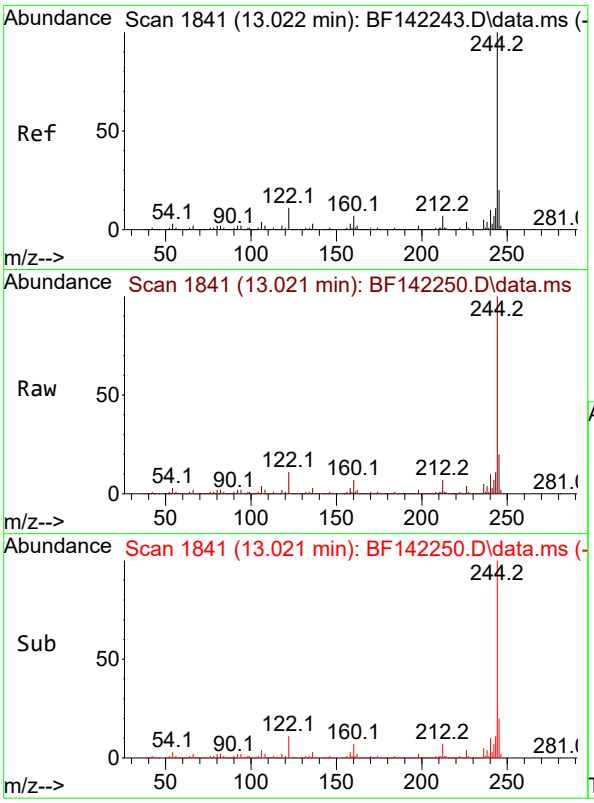


#78
Pyrene
Concen: 42.016 ng
RT: 12.874 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:202 Resp: 1490017

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.1	24.1
203	18.0	14.1	21.1



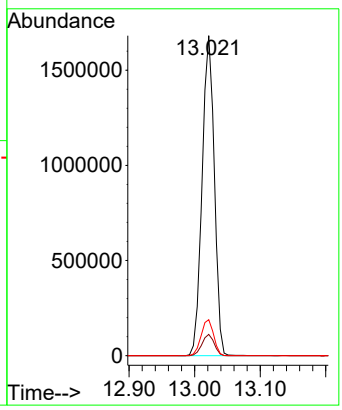


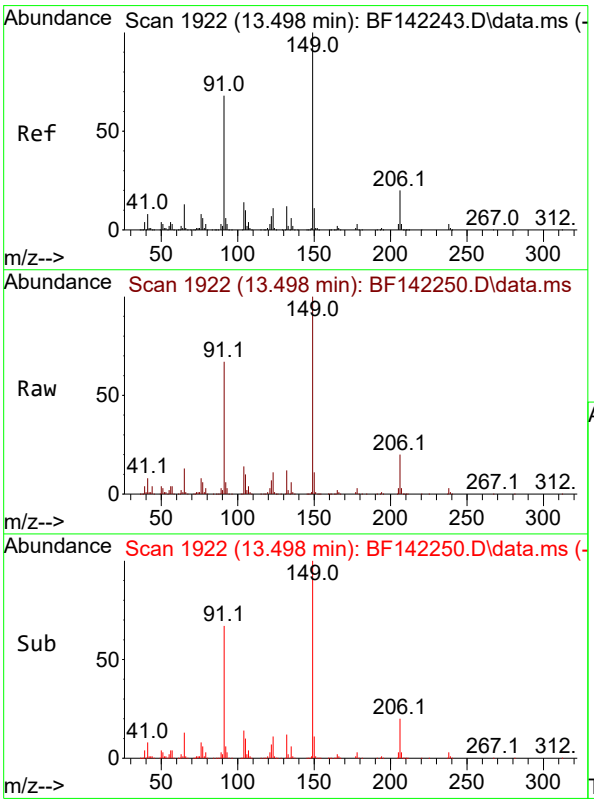
#79
Terphenyl-d14
Concen: 82.722 ng
RT: 13.021 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 2186580

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	11.3	9.1	13.7

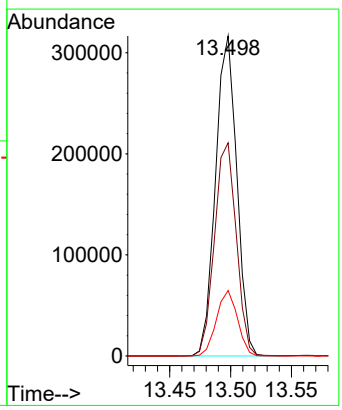


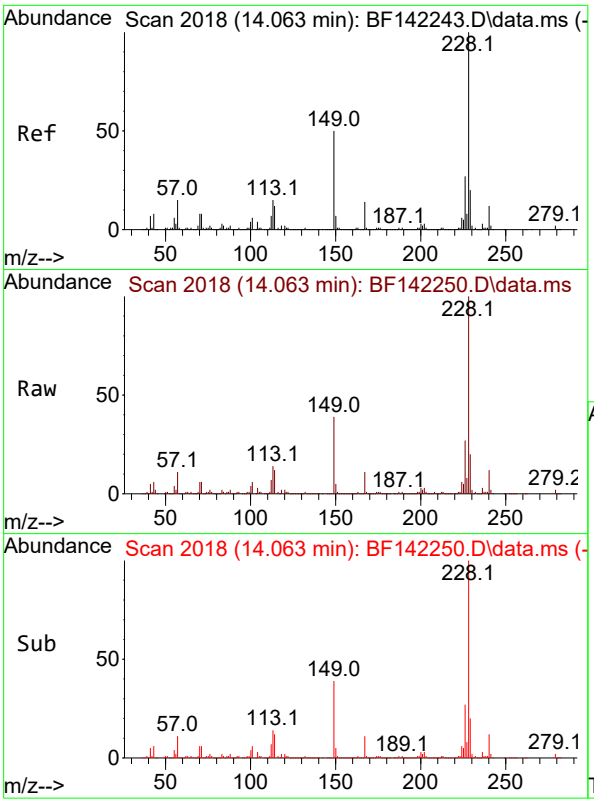


#80
Butylbenzylphthalate
Concen: 40.417 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:149 Resp: 385725

Ion	Ratio	Lower	Upper
149	100		
91	66.6	54.4	81.6
206	20.5	15.9	23.9



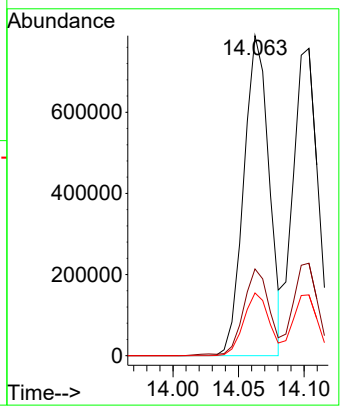


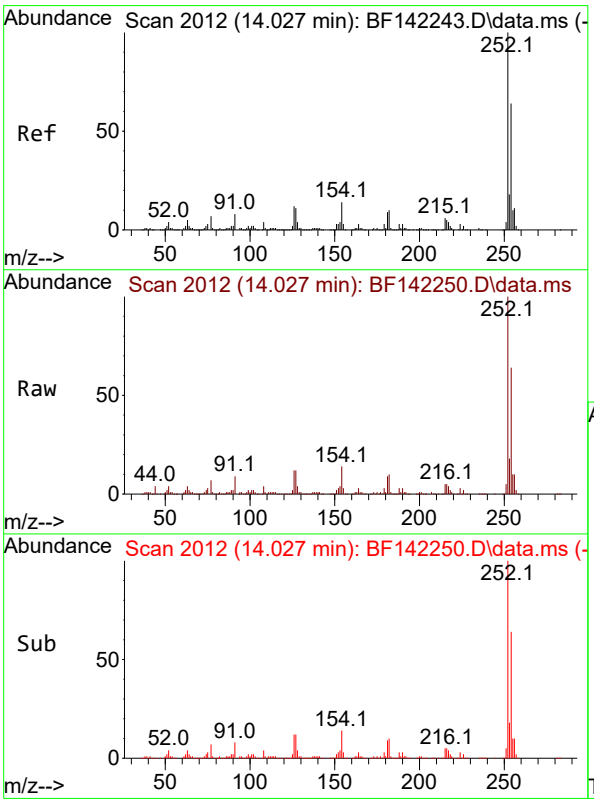
#81
Benzo(a)anthracene
Concen: 41.049 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 1059415

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.9	32.9
229	19.6	16.0	24.0

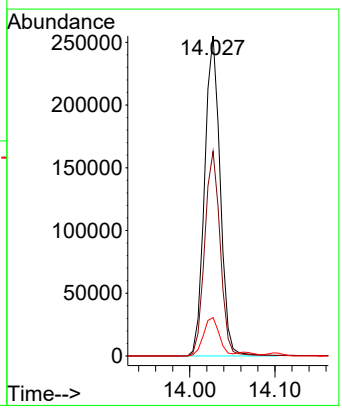


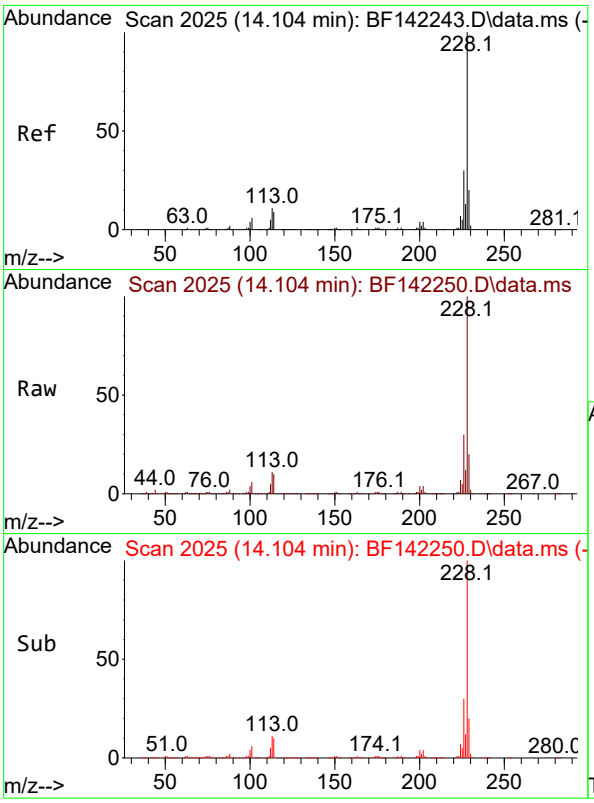


#82
3,3'-Dichlorobenzidine
Concen: 42.615 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:252 Resp: 323049

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.0	76.6
126	12.0	9.4	14.2



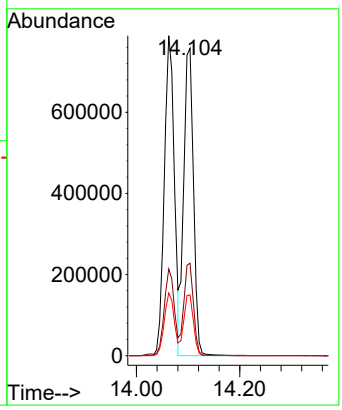


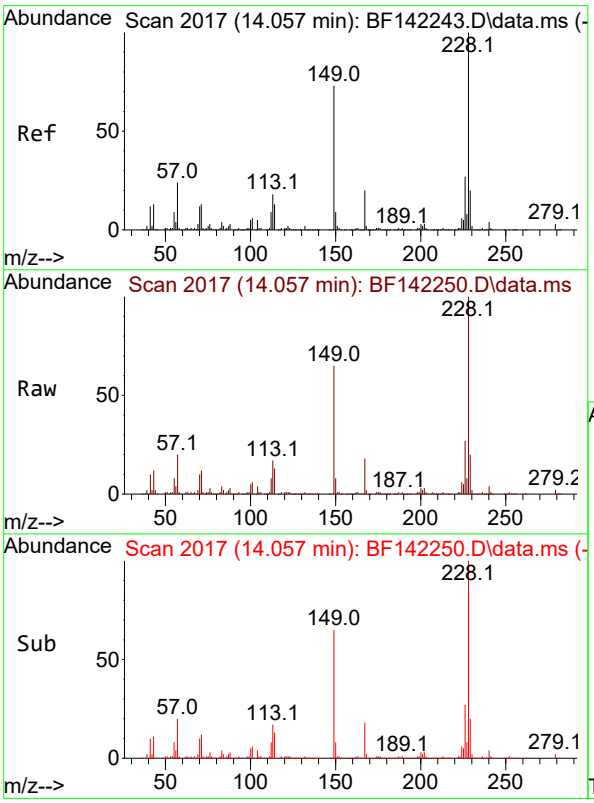
#83
Chrysene
Concen: 42.445 ng
RT: 14.104 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 997135

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	19.8	15.7	23.5

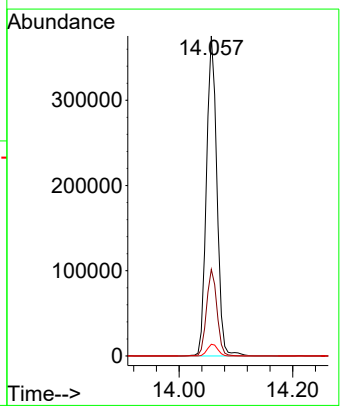


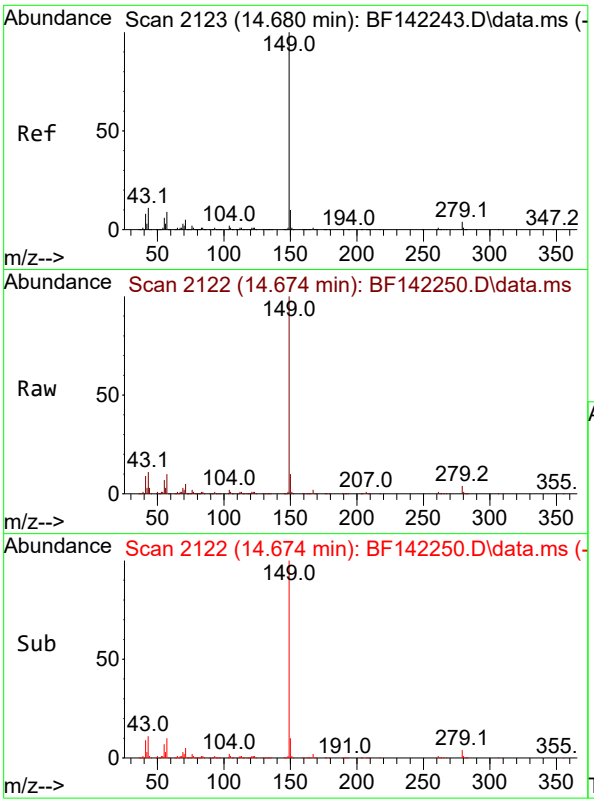


#84
Bis(2-ethylhexyl)phthalate
Concen: 36.467 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:149 Resp: 477774

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.7	32.5
279	3.7	3.0	4.4



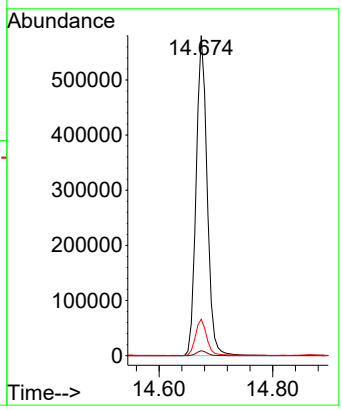


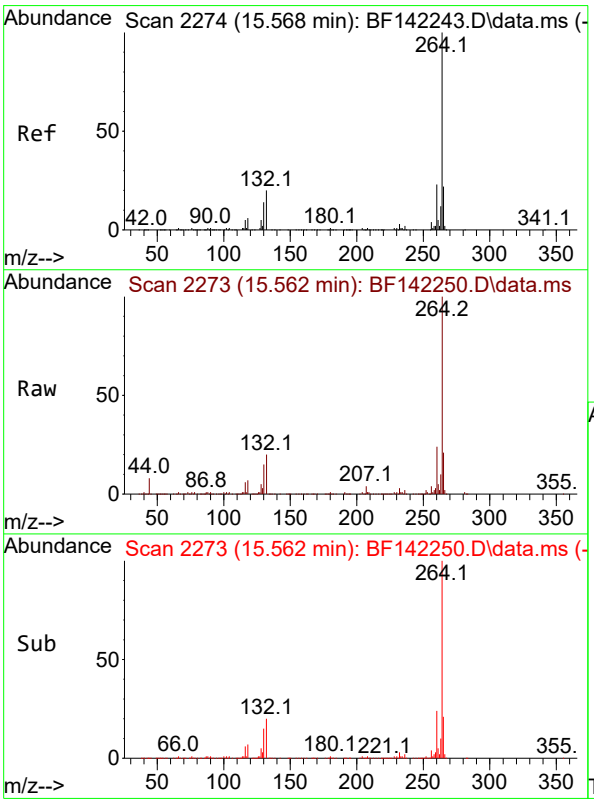
#85
Di-n-octyl phthalate
Concen: 33.845 ng
RT: 14.674 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 782817

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	11.7	9.3	13.9

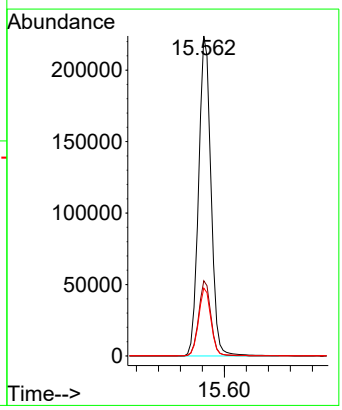


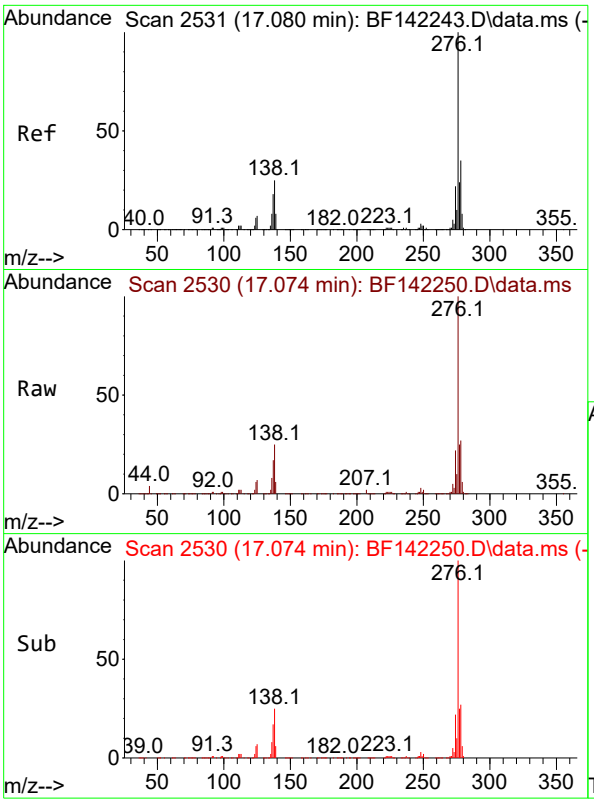


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:264 Resp: 349272

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.4	27.6
265	21.2	17.3	25.9



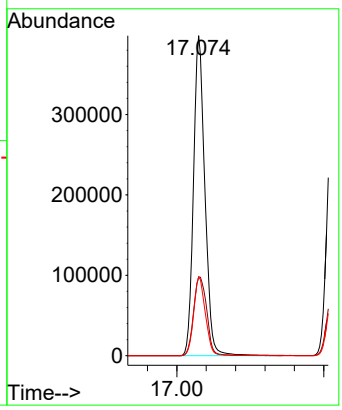


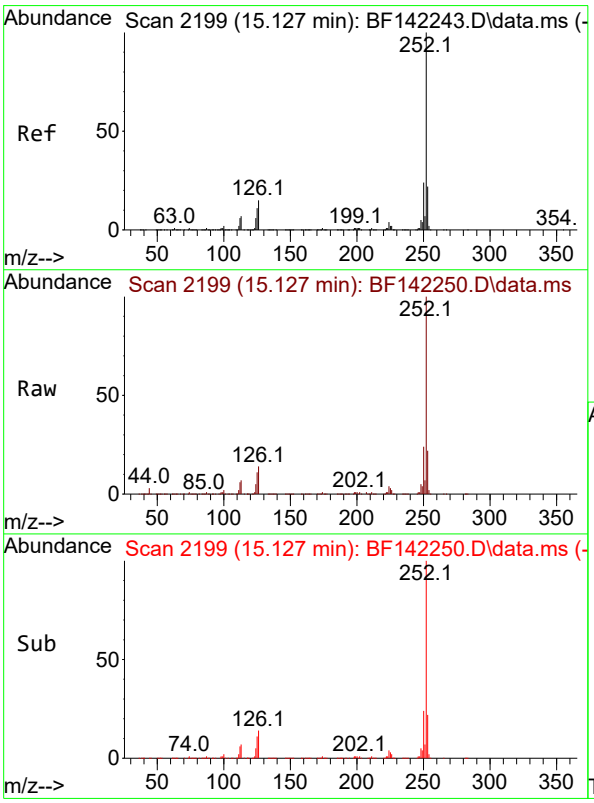
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.864 ng
RT: 17.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 1071010

Ion	Ratio	Lower	Upper
276	100		
138	28.3	22.6	33.8
277	25.2	20.1	30.1

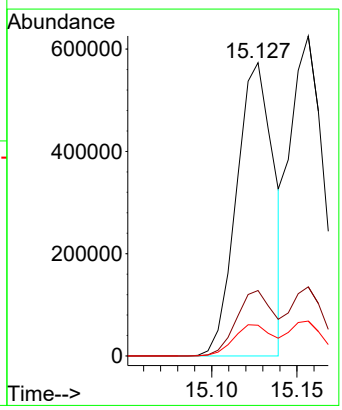


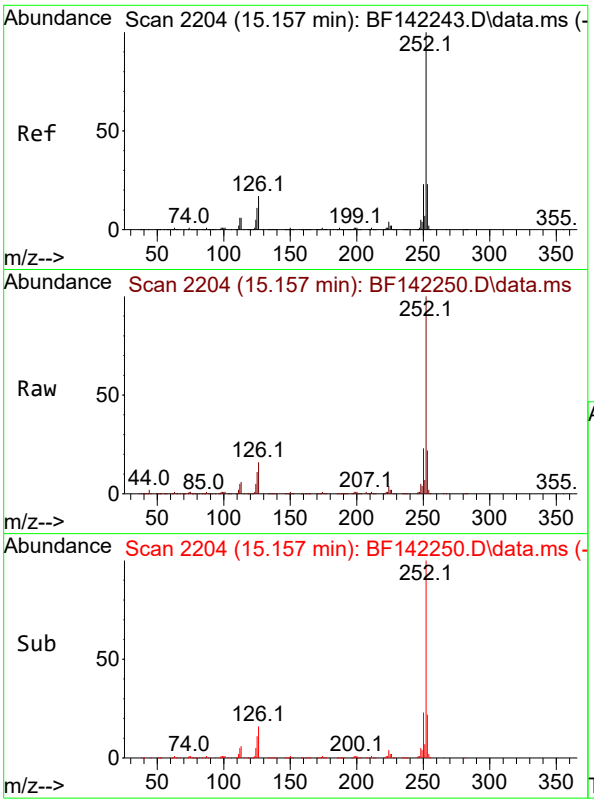


#88
Benzo(b)fluoranthene
Concen: 39.998 ng
RT: 15.127 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:252 Resp: 867766

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	10.5	9.0	13.4



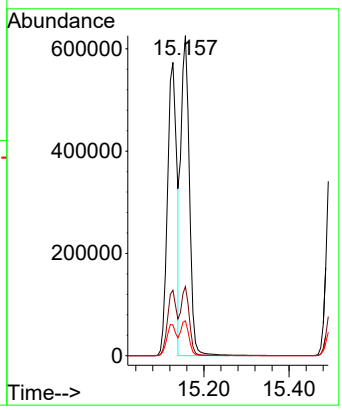


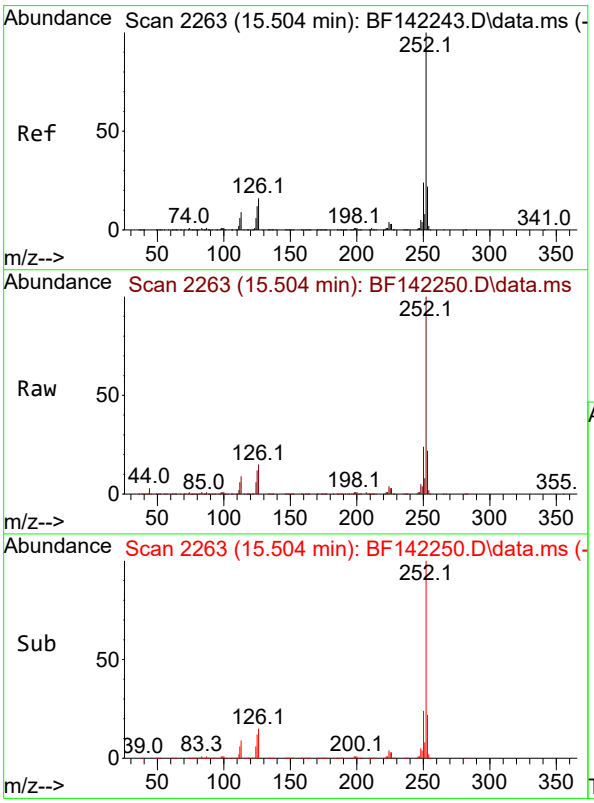
#89
Benzo(k)fluoranthene
Concen: 43.643 ng
RT: 15.157 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 866064

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.8
125	10.9	9.0	13.6

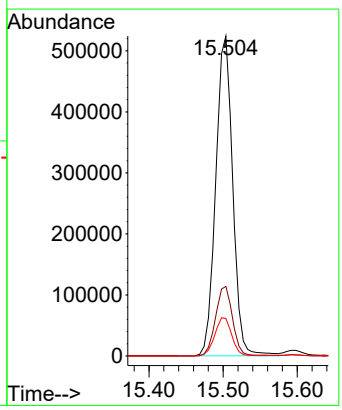


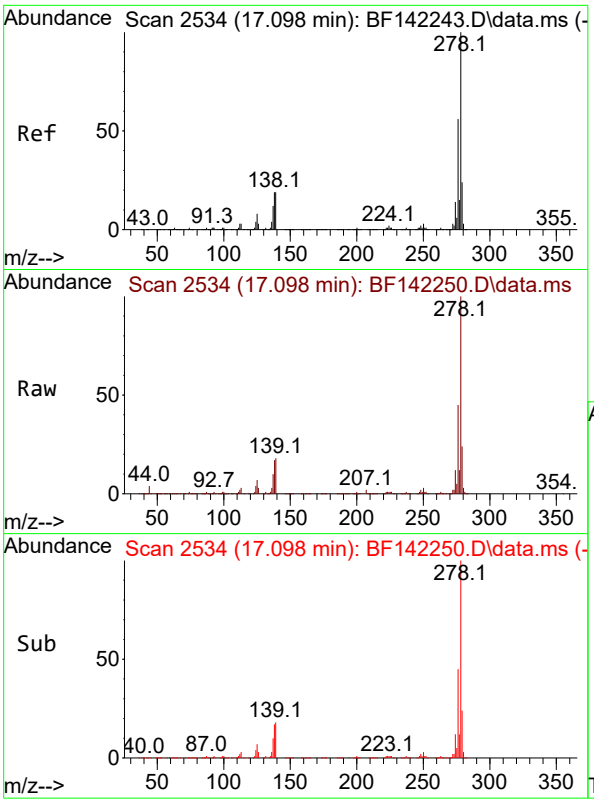


#90
Benzo(a)pyrene
Concen: 41.969 ng
RT: 15.504 min Scan# 2263
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:252 Resp: 833612

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.7	9.5	14.3



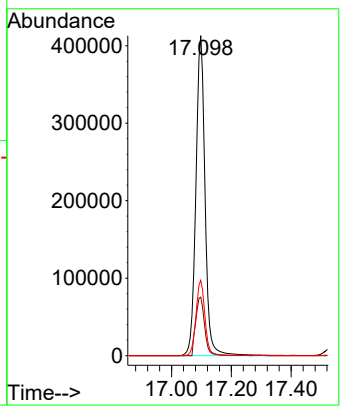


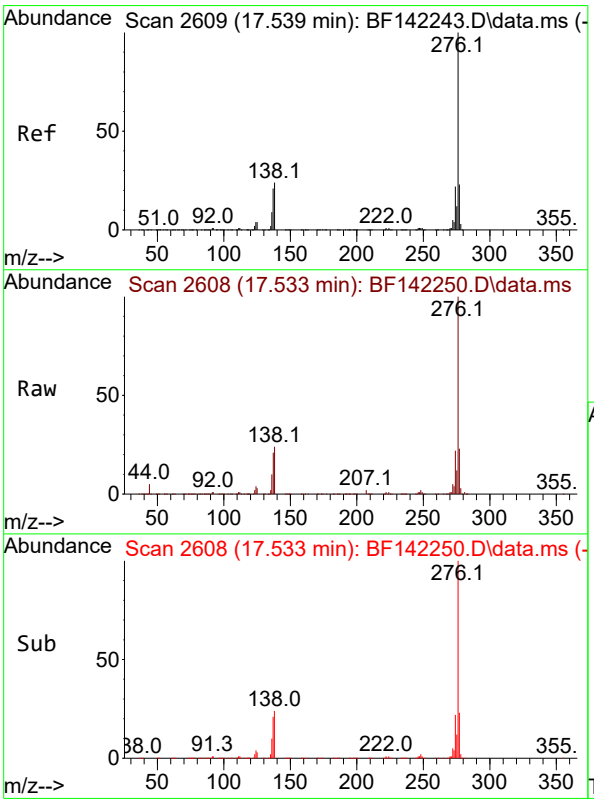
#91
Dibenzo(a,h)anthracene
Concen: 42.333 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 878980

Ion	Ratio	Lower	Upper
278	100		
139	18.3	15.2	22.8
279	23.5	19.0	28.6

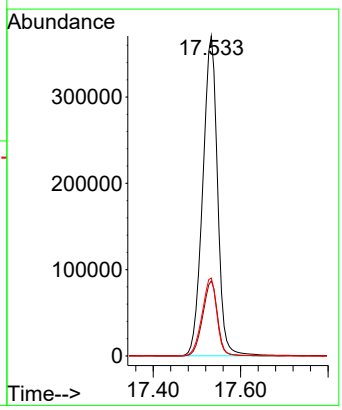




#92
Benzo(g,h,i)perylene
Concen: 41.848 ng
RT: 17.533 min Scan# 2608
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:276 Resp: 873517

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.7	28.1
138	24.3	19.4	29.0



Sample Results: **BF142250.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142250.D
Acq On : 01 May 2025 10:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 01 11:46:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 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	104	0.00
2		1,4-Dioxane	0.559	0.579	-3.6	101	0.00
3		Pyridine	1.454	1.532	-5.4	104	0.00
4		n-Nitrosodimethylamine	0.752	0.798	-6.1	103	0.00
5	S	2-Fluorophenol	1.252	1.250	0.2	99	0.00
6		Aniline	2.140	2.225	-4.0	103	0.00
7	S	Phenol-d6	1.512	1.575	-4.2	102	0.00
8		2-Chlorophenol	1.294	1.275	1.5	96	0.00
9		Benzaldehyde	1.057	1.122	-6.1	104	0.00
10	C	Phenol	1.628	1.656	-1.7	100	0.00
11		bis(2-Chloroethyl)ether	1.262	1.326	-5.1	104	0.00
12		1,3-Dichlorobenzene	1.464	1.519	-3.8	103	0.00
13	C	1,4-Dichlorobenzene	1.475	1.526	-3.5	102	0.00
14		1,2-Dichlorobenzene	1.408	1.474	-4.7	104	0.00
15		Benzyl Alcohol	1.073	1.102	-2.7	99	0.00
16		2,2'-oxybis(1-Chloropropane	2.278	2.385	-4.7	104	0.00
17		2-Methylphenol	1.060	1.103	-4.1	102	0.00
18		Hexachloroethane	0.483	0.505	-4.6	103	0.00
19	P	n-Nitroso-di-n-propylamine	0.934	0.954	-2.1	102	0.00
20		3+4-Methylphenols	1.326	1.404	-5.9	104	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	102	0.00
22		Acetophenone	0.463	0.480	-3.7	104	0.00
23	S	Nitrobenzene-d5	0.304	0.333	-9.5	100	0.00
24		Nitrobenzene	0.299	0.320	-7.0	100	0.00
25		Isophorone	0.639	0.672	-5.2	104	0.00
26	C	2-Nitrophenol	0.102	0.098	3.9	86	0.00
27		2,4-Dimethylphenol	0.322	0.337	-4.7	102	0.00
28		bis(2-Chloroethoxy)methane	0.403	0.421	-4.5	103	0.00
29	C	2,4-Dichlorophenol	0.269	0.285	-5.9	100	0.00
30		1,2,4-Trichlorobenzene	0.301	0.315	-4.7	103	0.00
31		Naphthalene	0.997	1.030	-3.3	103	0.00
32		Benzoic acid	0.125	0.117	6.4	92	0.00
33		4-Chloroaniline	0.415	0.433	-4.3	103	0.00
34	C	Hexachlorobutadiene	0.175	0.186	-6.3	103	0.00
35		Caprolactam	0.081	0.090	-11.1	106	0.00
36	C	4-Chloro-3-methylphenol	0.277	0.300	-8.3	103	0.00
37		2-Methylnaphthalene	0.613	0.635	-3.6	104	0.00
38		1-Methylnaphthalene	0.635	0.661	-4.1	103	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	103	0.00
40		1,2,4,5-Tetrachlorobenzene	0.563	0.572	-1.6	102	0.00
41	P	Hexachlorocyclopentadiene	0.319	0.316	0.9	92	0.00
42	S	2,4,6-Tribromophenol	0.182	0.196	-7.7	99	0.00
43	C	2,4,6-Trichlorophenol	0.349	0.354	-1.4	98	0.00
44		2,4,5-Trichlorophenol	0.367	0.386	-5.2	98	0.00
45	S	2-Fluorobiphenyl	1.418	1.409	0.6	103	0.00
46		1,1'-Biphenyl	1.555	1.591	-2.3	103	0.00
47		2-Chloronaphthalene	1.157	1.176	-1.6	102	0.00

Sample Results: **BF142250.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142250.D
Acq On : 01 May 2025 10:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 01 11:46:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 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	0.277	-11.2	97	0.00
49		Acenaphthylene	1.952	1.996	-2.3	103	0.00
50		Dimethylphthalate	1.280	1.346	-5.2	105	0.00
51		2,6-Dinitrotoluene	0.204	0.231	-13.2	98	0.00
52	C	Acenaphthene	1.140	1.185	-3.9	104	0.00
53		3-Nitroaniline	0.257	0.296	-15.2	102	0.00
54	P	2,4-Dinitrophenol	0.058	0.056	3.4	101	0.00
55		Dibenzofuran	1.709	1.772	-3.7	104	0.00
56	P	4-Nitrophenol	0.201	0.210	-4.5	100	0.00
57		2,4-Dinitrotoluene	0.239	0.289	-20.9	104	0.00
58		Fluorene	1.299	1.322	-1.8	103	0.00
59		2,3,4,6-Tetrachlorophenol	0.304	0.323	-6.3	99	0.00
60		Diethylphthalate	1.263	1.352	-7.0	106	0.00
61		4-Chlorophenyl-phenylether	0.617	0.638	-3.4	104	0.00
62		4-Nitroaniline	0.238	0.283	-18.9	107	0.00
63		Azobenzene	1.248	1.307	-4.7	105	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	105	0.00
65		4,6-Dinitro-2-methylphenol	0.054	0.053	1.9	102	0.00
66	c	n-Nitrosodiphenylamine	0.683	0.706	-3.4	104	0.00
67		4-Bromophenyl-phenylether	0.223	0.235	-5.4	105	0.00
68		Hexachlorobenzene	0.249	0.257	-3.2	104	0.00
69		Atrazine	0.180	0.204	-13.3	112	0.00
70	C	Pentachlorophenol	0.132	0.137	-3.8	100	0.00
71		Phenanthrene	1.080	1.116	-3.3	105	0.00
72		Anthracene	1.105	1.142	-3.3	106	0.00
73		Carbazole	1.008	1.044	-3.6	106	0.00
74		Di-n-butylphthalate	1.013	1.137	-12.2	112	0.00
75	C	Fluoranthene	1.068	1.147	-7.4	111	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	116	0.00
77		Benzidine	0.850	0.981	-15.4	118	0.00
78		Pyrene	1.845	1.938	-5.0	111	0.00
79	S	Terphenyl-d14	1.375	1.422	-3.4	111	0.00
80		Butylbenzylphthalate	0.425	0.502	-18.1	115	0.00
81		Benzo(a)anthracene	1.343	1.378	-2.6	111	0.00
82		3,3'-Dichlorobenzidine	0.394	0.420	-6.6	110	0.00
83		Chrysene	1.222	1.297	-6.1	122	0.00
84		Bis(2-ethylhexyl)phthalate	0.604	0.621	-2.8	104	0.00
85	c	Di-n-octyl phthalate	1.133	1.018	10.2	94	0.00
86	I	Perylene-d12	1.000	1.000	0.0	106	0.00
87		Indeno(1,2,3-cd)pyrene	1.465	1.533	-4.6	101	0.00
88		Benzo(b)fluoranthene	1.242	1.242	0.0	101	0.00
89		Benzo(k)fluoranthene	1.136	1.240	-9.2	115	0.00
90	C	Benzo(a)pyrene	1.137	1.193	-4.9	105	0.00
91		Dibenzo(a,h)anthracene	1.189	1.258	-5.8	102	0.00
92		Benzo(g,h,i)perylene	1.195	1.250	-4.6	102	0.00

Sample Results: **BF142250.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142250.D
Acq On : 01 May 2025 10:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 01 11:46:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 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: **BF142250.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142250.D
Acq On : 01 May 2025 10:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 01 11:46:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 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	104	0.00
2		1,4-Dioxane	40.000	41.429	-3.6	101	0.00
3		Pyridine	40.000	42.158	-5.4	104	0.00
4		n-Nitrosodimethylamine	40.000	42.418	-6.0	103	0.00
5	S	2-Fluorophenol	80.000	79.825	0.2	99	0.00
6		Aniline	40.000	41.579	-3.9	103	0.00
7	S	Phenol-d6	80.000	83.296	-4.1	102	0.00
8		2-Chlorophenol	40.000	39.409	1.5	96	0.00
9		Benzaldehyde	40.000	42.464	-6.2	104	0.00
10	C	Phenol	40.000	40.684	-1.7	100	0.00
11		bis(2-Chloroethyl)ether	40.000	42.030	-5.1	104	0.00
12		1,3-Dichlorobenzene	40.000	41.505	-3.8	103	0.00
13	C	1,4-Dichlorobenzene	40.000	41.388	-3.5	102	0.00
14		1,2-Dichlorobenzene	40.000	41.885	-4.7	104	0.00
15		Benzyl Alcohol	40.000	41.095	-2.7	99	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	41.870	-4.7	104	0.00
17		2-Methylphenol	40.000	41.610	-4.0	102	0.00
18		Hexachloroethane	40.000	41.867	-4.7	103	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.842	-2.1	102	0.00
20		3+4-Methylphenols	40.000	42.351	-5.9	104	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	102	0.00
22		Acetophenone	40.000	41.462	-3.7	104	0.00
23	S	Nitrobenzene-d5	80.000	87.469	-9.3	100	0.00
24		Nitrobenzene	40.000	42.902	-7.3	100	0.00
25		Isophorone	40.000	42.059	-5.1	104	0.00
26	C	2-Nitrophenol	40.000	34.044	14.9	86	0.00
27		2,4-Dimethylphenol	40.000	41.898	-4.7	102	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.820	-4.6	103	0.00
29	C	2,4-Dichlorophenol	40.000	42.280	-5.7	100	0.00
30		1,2,4-Trichlorobenzene	40.000	41.910	-4.8	103	0.00
31		Naphthalene	40.000	41.304	-3.3	103	0.00
32		Benzoic acid	40.000	34.514	13.7	92	0.00
33		4-Chloroaniline	40.000	41.683	-4.2	103	0.00
34	C	Hexachlorobutadiene	40.000	42.382	-6.0	103	0.00
35		Caprolactam	40.000	44.410	-11.0	106	0.00
36	C	4-Chloro-3-methylphenol	40.000	43.337	-8.3	103	0.00
37		2-Methylnaphthalene	40.000	41.414	-3.5	104	0.00
38		1-Methylnaphthalene	40.000	41.597	-4.0	103	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	103	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.641	-1.6	102	0.00
41	P	Hexachlorocyclopentadiene	40.000	39.605	1.0	92	0.00
42	S	2,4,6-Tribromophenol	80.000	85.983	-7.5	99	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.551	-1.4	98	0.00
44		2,4,5-Trichlorophenol	40.000	42.108	-5.3	98	0.00
45	S	2-Fluorobiphenyl	80.000	79.446	0.7	103	0.00
46		1,1'-Biphenyl	40.000	40.922	-2.3	103	0.00
47		2-Chloronaphthalene	40.000	40.663	-1.7	102	0.00

Sample Results: **BF142250.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142250.D
Acq On : 01 May 2025 10:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 01 11:46:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 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	37.508	6.2	97	0.00
49		Acenaphthylene	40.000	40.906	-2.3	103	0.00
50		Dimethylphthalate	40.000	42.093	-5.2	105	0.00
51		2,6-Dinitrotoluene	40.000	38.527	3.7	98	0.00
52	C	Acenaphthene	40.000	41.576	-3.9	104	0.00
53		3-Nitroaniline	40.000	40.152	-0.4	102	0.00
54	P	2,4-Dinitrophenol	40.000	37.926	5.2	101	0.00
55		Dibenzofuran	40.000	41.484	-3.7	104	0.00
56	P	4-Nitrophenol	40.000	41.706	-4.3	100	0.00
57		2,4-Dinitrotoluene	40.000	39.850	0.4	104	0.00
58		Fluorene	40.000	40.709	-1.8	103	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.475	-6.2	99	0.00
60		Diethylphthalate	40.000	42.799	-7.0	106	0.00
61		4-Chlorophenyl-phenylether	40.000	41.333	-3.3	104	0.00
62		4-Nitroaniline	40.000	42.018	-5.0	107	0.00
63		Azobenzene	40.000	41.895	-4.7	105	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	105	0.00
65		4,6-Dinitro-2-methylphenol	40.000	35.905	10.2	102	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.322	-3.3	104	0.00
67		4-Bromophenyl-phenylether	40.000	42.258	-5.6	105	0.00
68		Hexachlorobenzene	40.000	41.207	-3.0	104	0.00
69		Atrazine	40.000	45.262	-13.2	112	0.00
70	C	Pentachlorophenol	40.000	41.491	-3.7	100	0.00
71		Phenanthrene	40.000	41.326	-3.3	105	0.00
72		Anthracene	40.000	41.339	-3.3	106	0.00
73		Carbazole	40.000	41.429	-3.6	106	0.00
74		Di-n-butylphthalate	40.000	44.864	-12.2	112	0.00
75	C	Fluoranthene	40.000	42.947	-7.4	111	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	116	0.00
77		Benzidine	40.000	46.160	-15.4	118	0.00
78		Pyrene	40.000	42.016	-5.0	111	0.00
79	S	Terphenyl-d14	80.000	82.722	-3.4	111	0.00
80		Butylbenzylphthalate	40.000	40.417	-1.0	115	0.00
81		Benzo(a)anthracene	40.000	41.049	-2.6	111	0.00
82		3,3'-Dichlorobenzidine	40.000	42.615	-6.5	110	0.00
83		Chrysene	40.000	42.445	-6.1	122	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	36.467	8.8	104	0.00
85	c	Di-n-octyl phthalate	40.000	33.845	15.4	94	0.00
86	I	Perylene-d12	20.000	20.000	0.0	106	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	41.864	-4.7	101	0.00
88		Benzo(b)fluoranthene	40.000	39.998	0.0	101	0.00
89		Benzo(k)fluoranthene	40.000	43.643	-9.1	115	0.00
90	C	Benzo(a)pyrene	40.000	41.969	-4.9	105	0.00
91		Dibenzo(a,h)anthracene	40.000	42.333	-5.8	102	0.00
92		Benzo(g,h,i)perylene	40.000	41.848	-4.6	102	0.00

Sample Results: **BF142250.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142250.D
Acq On : 01 May 2025 10:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 01 11:46:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 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.: Q1901 SAS No.: Q1901 SDG No.: Q1901

Instrument ID: BNA_M Calibration Date/Time: 05/01/2025 13:25

Lab File ID: BM050062.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.142	1.339		17.3	
Benzaldehyde	0.961	1.092		13.6	
Phenol-d6	1.436	1.600		11.4	
Phenol	1.453	1.604		10.4	20.0
bis(2-Chloroethyl)ether	1.214	1.300		7.1	
2-Chlorophenol	1.235	1.304		5.6	
2-Methylphenol	0.957	0.985		2.9	
2,2-oxybis(1-Chloropropane)	1.475	1.588		7.7	
Acetophenone	0.497	0.555		11.7	
3+4-Methylphenols	1.293	1.302		0.7	
n-Nitroso-di-n-propylamine	0.921	0.843	0.050	-8.5	
Nitrobenzene-d5	0.406	0.470		15.8	
Hexachloroethane	0.533	0.574		7.7	
Nitrobenzene	0.351	0.401		14.2	
Isophorone	0.692	0.722		4.3	
2-Nitrophenol	0.179	0.198		10.6	20.0
2,4-Dimethylphenol	0.297	0.317		6.7	
bis(2-Chloroethoxy)methane	0.428	0.455		6.3	
2,4-Dichlorophenol	0.333	0.356		6.9	20.0
Naphthalene	1.013	1.086		7.2	
4-Chloroaniline	0.415	0.426		2.7	
Hexachlorobutadiene	0.258	0.279		8.1	20.0
Caprolactam	0.097	0.089		-8.2	
4-Chloro-3-methylphenol	0.308	0.303		-1.6	20.0
2-Methylnaphthalene	0.679	0.698		2.8	
Hexachlorocyclopentadiene	0.423	0.472	0.050	11.6	
2,4,6-Trichlorophenol	0.439	0.496		13.0	20.0
2-Fluorobiphenyl	1.691	1.996		18.0	
2,4,5-Trichlorophenol	0.474	0.528		11.4	
1,1-Biphenyl	1.487	1.674		12.6	
2-Chloronaphthalene	1.177	1.322		12.3	
2-Nitroaniline	0.276	0.322		16.7	
Dimethylphthalate	1.462	1.494		2.2	
Acenaphthylene	1.857	2.021		8.8	
2,6-Dinitrotoluene	0.303	0.319		5.3	
3-Nitroaniline	0.289	0.307		6.2	
Acenaphthene	1.075	1.173		9.1	20.0
2,4-Dinitrophenol	0.164	0.161	0.050	-1.8	
4-Nitrophenol	0.205	0.222	0.050	8.3	

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.: Q1901 SAS No.: Q1901 SDG No.: Q1901

Instrument ID: BNA_M Calibration Date/Time: 05/01/2025 13:25

Lab File ID: BM050062.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.788	1.919		7.3	
2,4-Dinitrotoluene	0.418	0.439		5.0	
Diethylphthalate	1.377	1.398		1.5	
4-Chlorophenyl-phenylether	0.804	0.881		9.6	
Fluorene	1.463	1.622		10.9	
4-Nitroaniline	0.279	0.296		6.1	
4,6-Dinitro-2-methylphenol	0.125	0.131		4.8	
n-Nitrosodiphenylamine	0.614	0.682		11.1	20.0
2,4,6-Tribromophenol	0.296	0.313		5.7	
4-Bromophenyl-phenylether	0.242	0.264		9.1	
Hexachlorobenzene	0.279	0.305		9.3	
Atrazine	0.222	0.235		5.9	
Pentachlorophenol	0.157	0.174		10.8	20.0
Phenanthrene	1.128	1.244		10.3	
Anthracene	1.142	1.274		11.6	
Carbazole	0.991	1.075		8.5	
Di-n-butylphthalate	1.180	1.266		7.3	
Fluoranthene	1.324	1.440		8.8	20.0
Pyrene	1.404	1.537		9.5	
Terphenyl-d14	1.352	1.606		18.8	
Butylbenzylphthalate	0.526	0.549		4.4	
3,3-Dichlorobenzidine	0.527	0.551		4.6	
Benzo(a)anthracene	1.377	1.520		10.4	
Chrysene	1.275	1.371		7.5	
Bis(2-ethylhexyl)phthalate	0.786	0.824		4.8	
Di-n-octyl phthalate	1.296	1.271		-1.9	20.0
Benzo(b)fluoranthene	1.301	1.413		8.6	
Benzo(k)fluoranthene	1.316	1.460		10.9	
Benzo(a)pyrene	1.218	1.323		8.6	20.0
Indeno(1,2,3-cd)pyrene	1.490	1.620		8.7	
Dibenzo(a,h)anthracene	1.215	1.320		8.6	
Benzo(g,h,i)perylene	1.163	1.262		8.5	
1,2,4,5-Tetrachlorobenzene	0.692	0.812		17.3	
1,4-Dioxane	0.490	0.582		18.8	20.0
2,3,4,6-Tetrachlorophenol	0.410	0.429		4.6	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050062.D
Acq On : 01 May 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: May 01 14:34:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.757	152	329367	20.000	ng		-0.01
21) Naphthalene-d8	10.545	136	1090203	20.000	ng		-0.02
39) Acenaphthene-d10	14.398	164	636680	20.000	ng		-0.01
64) Phenanthrene-d10	17.145	188	1171488	20.000	ng		-0.01
76) Chrysene-d12	21.386	240	1137064	20.000	ng		-0.01
86) Perylene-d12	24.374	264	1050482	20.000	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.351	112	1763849	93.775	ng		0.00
7) Phenol-d6	6.940	99	2108064	89.170	ng		-0.01
23) Nitrobenzene-d5	8.916	82	2051183	92.712	ng		-0.01
42) 2,4,6-Tribromophenol	15.892	330	795940	84.547	ng		-0.01
45) 2-Fluorobiphenyl	13.016	172	5083891	94.461	ng		-0.02
79) Terphenyl-d14	19.768	244	7303717	95.048	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.275	88	383184	47.513	ng		96
3) Pyridine	3.669	79	989783	47.766	ng		96
4) n-Nitrosodimethylamine	3.581	42	376576	46.336	ng		94
6) Aniline	7.087	93	1270890	42.572	ng		98
8) 2-Chlorophenol	7.328	128	859309	42.253	ng		97
9) Benzaldehyde	6.904	77	719532	45.481	ng		96
10) Phenol	6.969	94	1056904	44.161	ng		99
11) bis(2-Chloroethyl)ether	7.181	93	856057	42.836	ng		98
12) 1,3-Dichlorobenzene	7.645	146	1045209	42.546	ng		98
13) 1,4-Dichlorobenzene	7.792	146	1048234	42.473	ng		99
14) 1,2-Dichlorobenzene	8.110	146	989132	41.490	ng		100
15) Benzyl Alcohol	8.004	79	692547	42.242	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.281	45	1045823	43.052	ng		99
17) 2-Methylphenol	8.210	107	648585	41.137	ng		99
18) Hexachloroethane	8.828	117	378276	43.117	ng		95
19) n-Nitroso-di-n-propyla...	8.563	70	555015	36.605	ng		99
20) 3+4-Methylphenols	8.539	107	857963	40.296	ng		98
22) Acetophenone	8.581	105	1209811	44.635	ng	#	99
24) Nitrobenzene	8.957	77	875427	45.762	ng		99
25) Isophorone	9.481	82	1574508	41.750	ng		97
26) 2-Nitrophenol	9.663	139	430669	44.067	ng		94
27) 2,4-Dimethylphenol	9.734	122	691532	42.668	ng		98
28) bis(2-Chloroethoxy)met...	9.957	93	991786	42.549	ng		99
29) 2,4-Dichlorophenol	10.210	162	775404	42.706	ng		98
30) 1,2,4-Trichlorobenzene	10.410	180	949929	42.941	ng		100
31) Naphthalene	10.592	128	2368369	42.897	ng		100
32) Benzoic acid	9.898	122	406206	39.188	ng		94
33) 4-Chloroaniline	10.710	127	928926	41.048	ng		98
34) Hexachlorobutadiene	10.881	225	608678	43.347	ng		99
35) Caprolactam	11.510	113	194333	36.708	ng		90
36) 4-Chloro-3-methylphenol	11.851	107	661004	39.405	ng		97
37) 2-Methylnaphthalene	12.210	142	1522915	41.142	ng		99
38) 1-Methylnaphthalene	12.427	142	1586181	40.492	ng		100
40) 1,2,4,5-Tetrachloroben...	12.586	216	1034474	46.936	ng		100
41) Hexachlorocyclopentadiene	12.563	237	600946	44.616	ng		100
43) 2,4,6-Trichlorophenol	12.833	196	631478	45.172	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050062.D
Acq On : 01 May 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: May 01 14:34:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

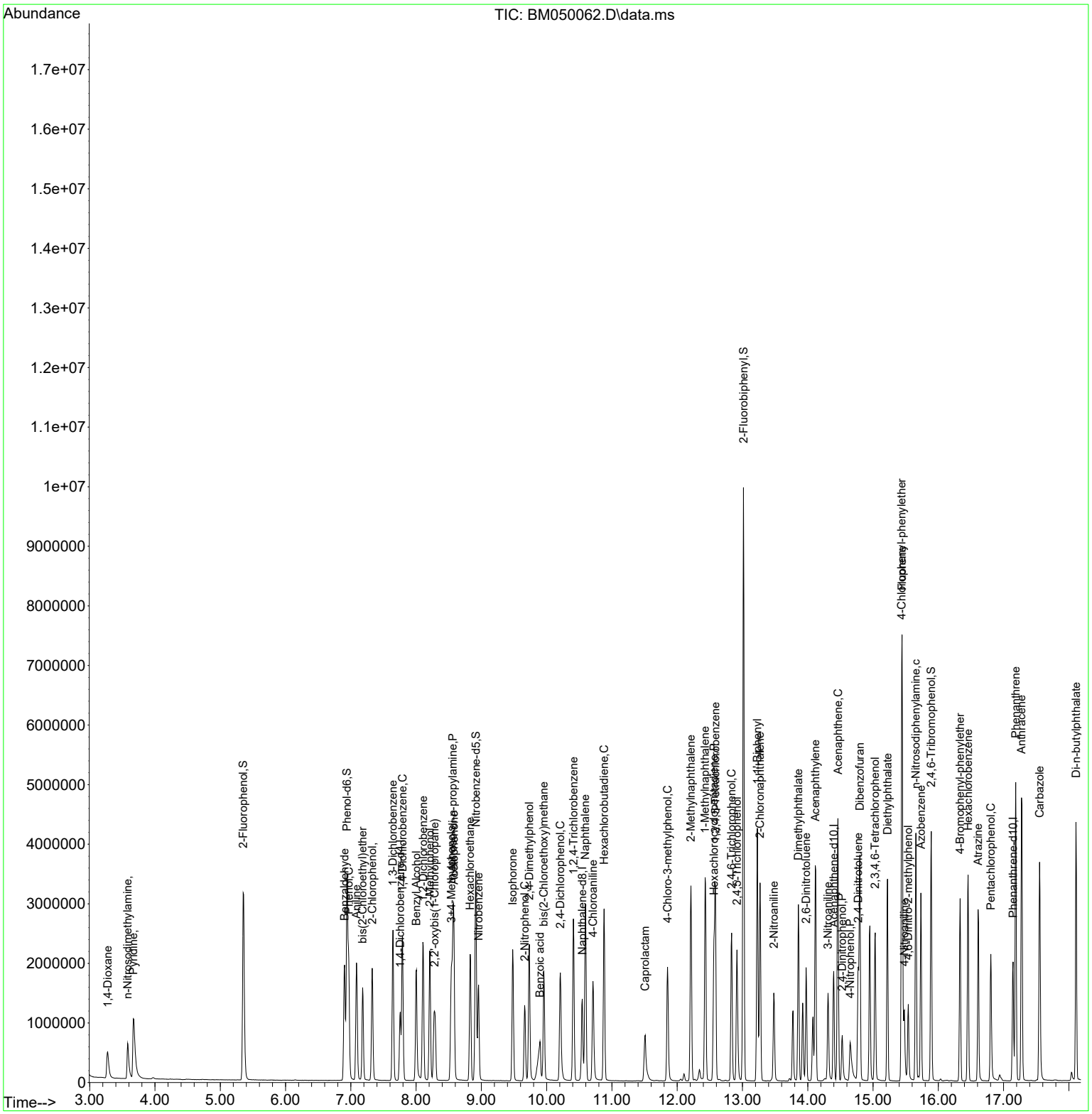
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.916	196	671975	44.577	ng	98
46) 1,1'-Biphenyl	13.227	154	2131816	45.044	ng	99
47) 2-Chloronaphthalene	13.269	162	1684006	44.927	ng	99
48) 2-Nitroaniline	13.480	65	410017	46.607	ng	94
49) Acenaphthylene	14.116	152	2573916	43.552	ng	100
50) Dimethylphthalate	13.857	163	1902354	40.885	ng	100
51) 2,6-Dinitrotoluene	13.974	165	405683	42.111	ng	91
52) Acenaphthene	14.463	154	1493734	43.665	ng	99
53) 3-Nitroaniline	14.310	138	390509	42.458	ng	96
54) 2,4-Dinitrophenol	14.527	184	205027	36.611	ng	93
55) Dibenzofuran	14.798	168	2443491	42.931	ng	100
56) 4-Nitrophenol	14.651	139	282631	40.165	ng	93
57) 2,4-Dinitrotoluene	14.774	165	558403	41.948	ng	98
58) Fluorene	15.445	166	2065086	44.327	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.033	232	545793	41.828	ng	99
60) Diethylphthalate	15.221	149	1779559	40.589	ng	99
61) 4-Chlorophenyl-phenyle...	15.439	204	1121604	43.832	ng	98
62) 4-Nitroaniline	15.480	138	376575	42.437	ng	96
63) Azobenzene	15.733	77	1645970	44.796	ng	99
65) 4,6-Dinitro-2-methylph...	15.539	198	307321	41.909	ng	93
66) n-Nitrosodiphenylamine	15.657	169	1598289	44.430	ng	100
67) 4-Bromophenyl-phenylether	16.333	248	618264	43.643	ng	98
68) Hexachlorobenzene	16.457	284	713913	43.718	ng	98
69) Atrazine	16.610	200	550481	42.423	ng	99
70) Pentachlorophenol	16.804	266	408293	44.419	ng	99
71) Phenanthrene	17.186	178	2915695	44.128	ng	99
72) Anthracene	17.274	178	2984695	44.637	ng	99
73) Carbazole	17.551	167	2517620	43.390	ng	99
74) Di-n-butylphthalate	18.109	149	2966936	42.938	ng	99
75) Fluoranthene	19.203	202	3374127	43.496	ng	100
77) Benzidine	19.398	184	1153850	28.568	ng	99
78) Pyrene	19.568	202	3494418	43.763	ng	100
80) Butylbenzylphthalate	20.468	149	1248988	41.763	ng	95
81) Benzo(a)anthracene	21.368	228	3455861	44.135	ng	100
82) 3,3'-Dichlorobenzidine	21.292	252	1252229	41.777	ng	99
83) Chrysene	21.427	228	3117333	43.016	ng	99
84) Bis(2-ethylhexyl)phtha...	21.286	149	1873155	41.933	ng	100
85) Di-n-octyl phthalate	22.415	149	2890157	39.233	ng	98
87) Indeno(1,2,3-cd)pyrene	27.756	276	3404250	43.491	ng	99
88) Benzo(b)fluoranthene	23.433	252	2969664	43.470	ng	100
89) Benzo(k)fluoranthene	23.497	252	3066550	44.376	ng	100
90) Benzo(a)pyrene	24.238	252	2780579	43.457	ng	99
91) Dibenzo(a,h)anthracene	27.803	278	2773732	43.471	ng	99
92) Benzo(g,h,i)perylene	28.809	276	2650473	43.389	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050062.D
Acq On : 01 May 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: May 01 14:34:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050062.D
Acq On : 01 May 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
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Quant Time: May 01 14:34:39 2025
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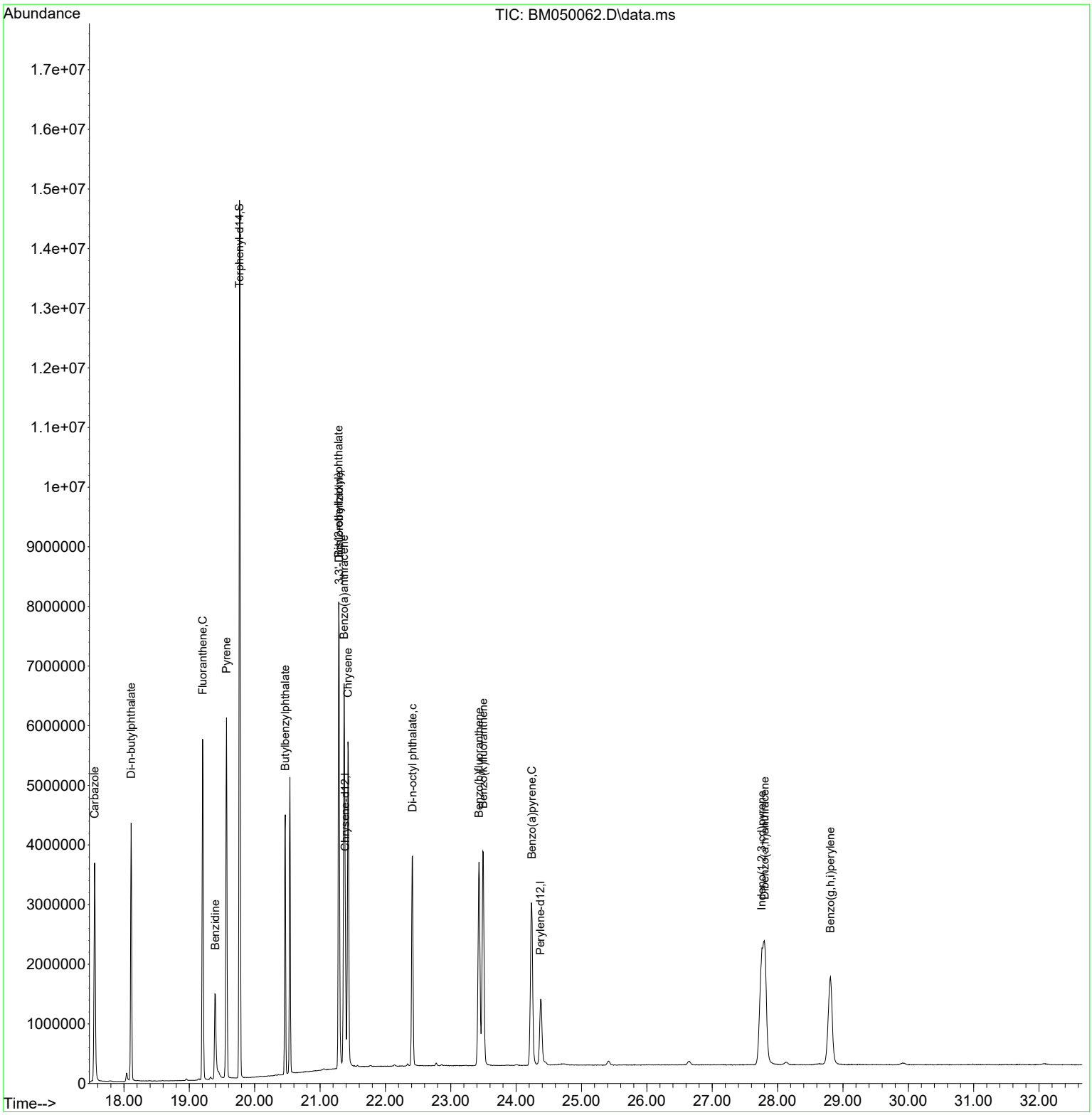
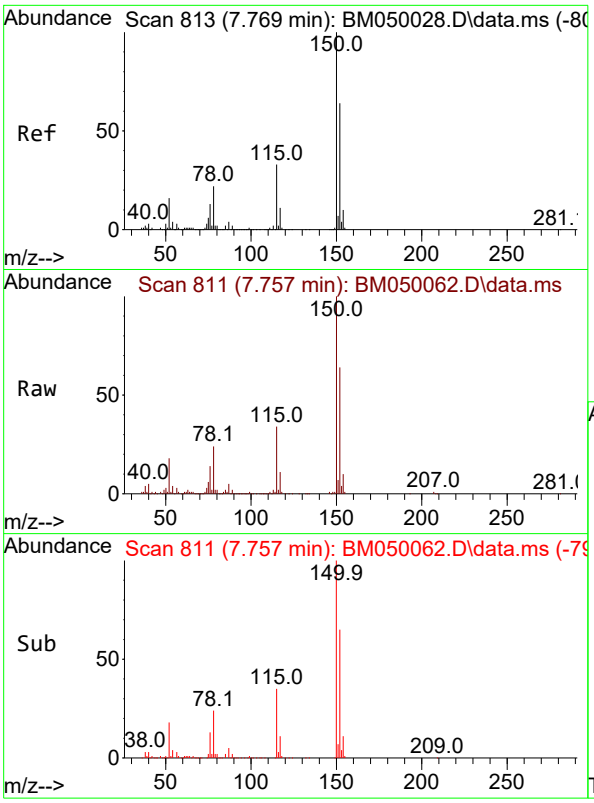


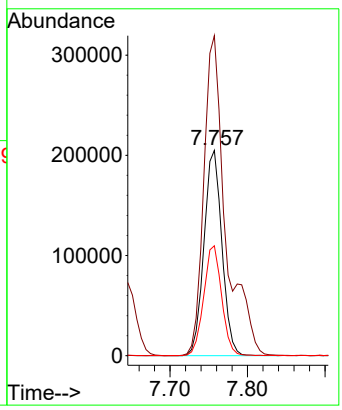


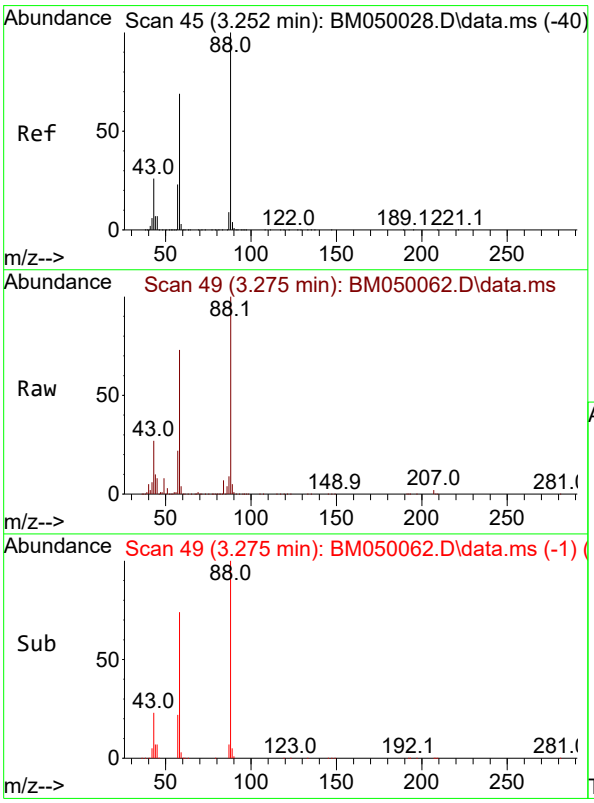
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.757 min Scan# 81
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 329367

Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.1	186.1
115	53.6	41.2	61.8

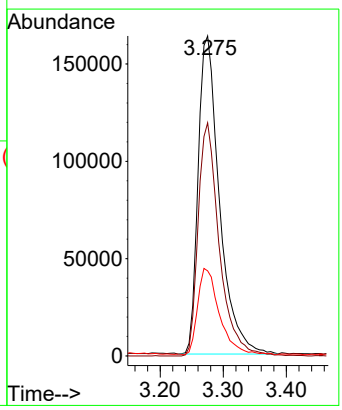


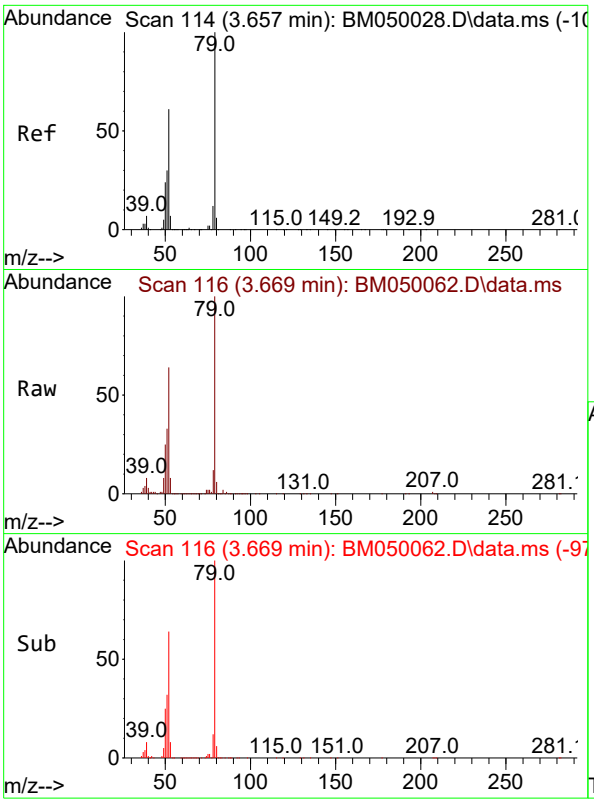


#2
1,4-Dioxane
Concen: 47.513 ng
RT: 3.275 min Scan# 49
Delta R.T. 0.024 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion: 88 Resp: 383184

Ion	Ratio	Lower	Upper
88	100		
58	72.6	55.1	82.7
43	27.2	20.9	31.3



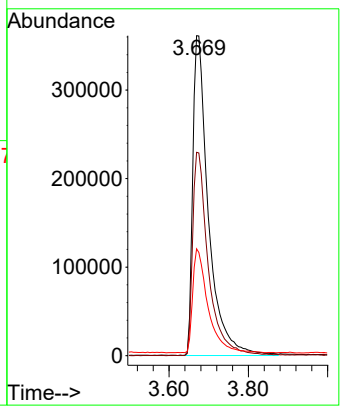


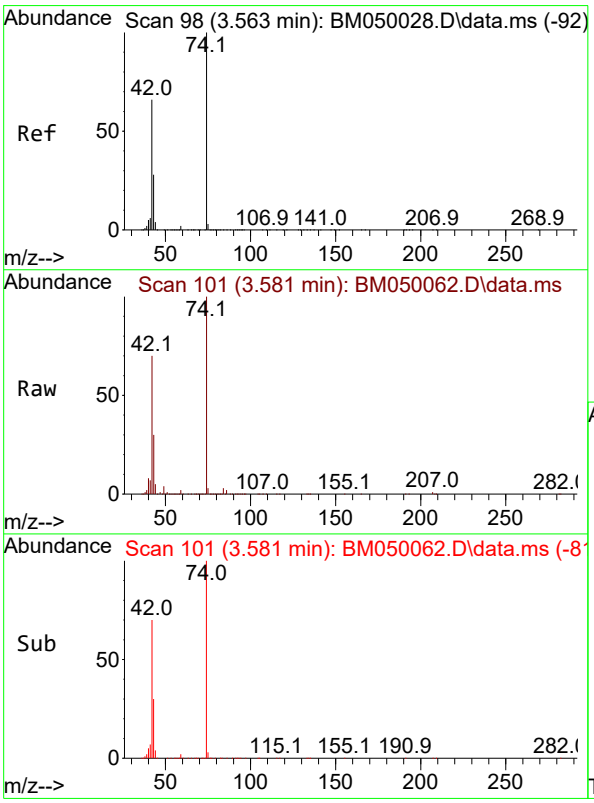
#3
Pyridine
Concen: 47.766 ng
RT: 3.669 min Scan# 1
Delta R.T. 0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 989783

Ion	Ratio	Lower	Upper
79	100		
52	63.5	48.6	72.8
51	33.4	24.6	37.0

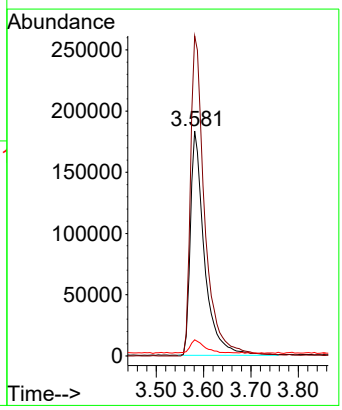


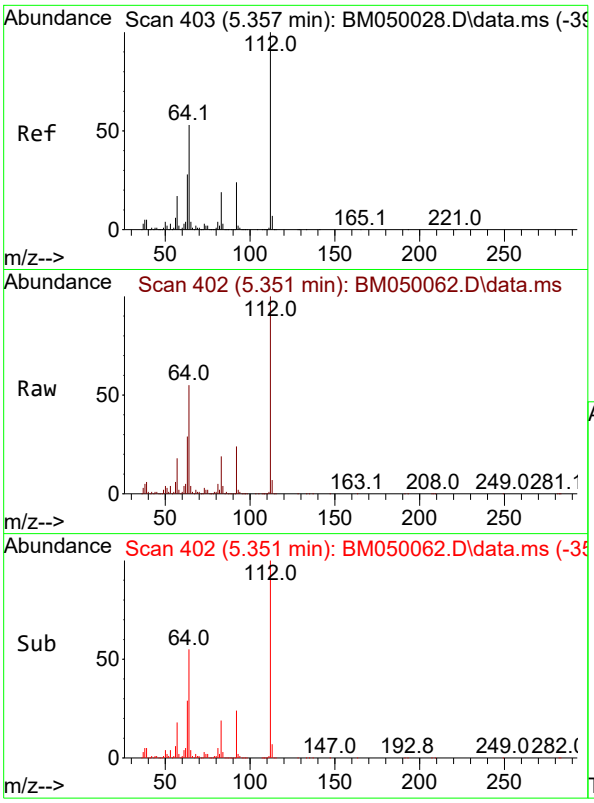


#4
n-Nitrosodimethylamine
Concen: 46.336 ng
RT: 3.581 min Scan# 101
Delta R.T. 0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion: 42 Resp: 376576

Ion	Ratio	Lower	Upper
42	100		
74	142.2	120.2	180.2
44	7.2	6.2	9.2



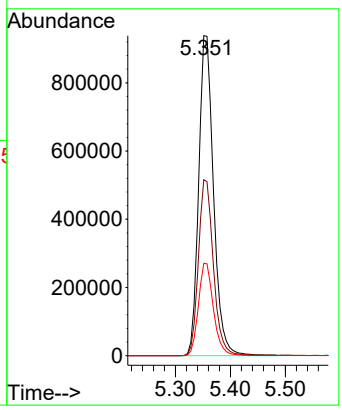


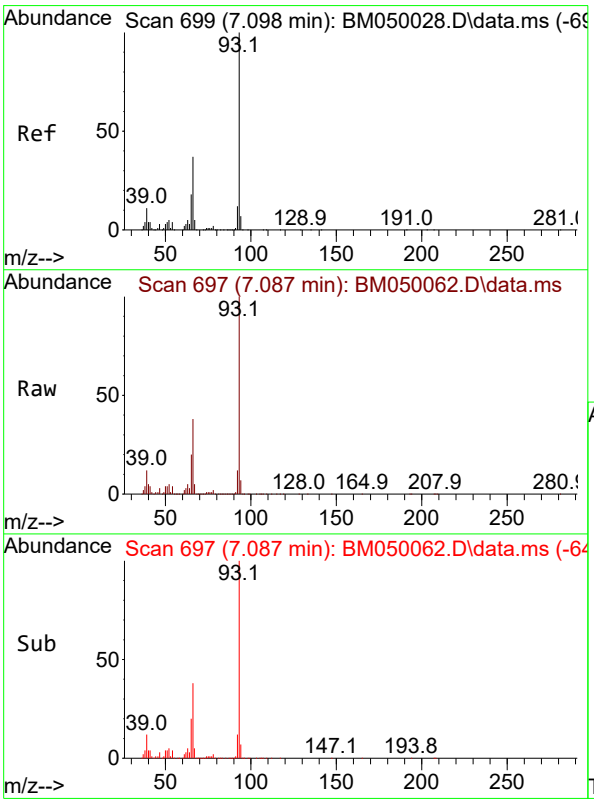
#5
2-Fluorophenol
Concen: 93.775 ng
RT: 5.351 min Scan# 4(
Delta R.T. -0.006 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 1763849

Ion	Ratio	Lower	Upper
112	100		
64	55.0	42.6	64.0
63	28.9	22.2	33.4

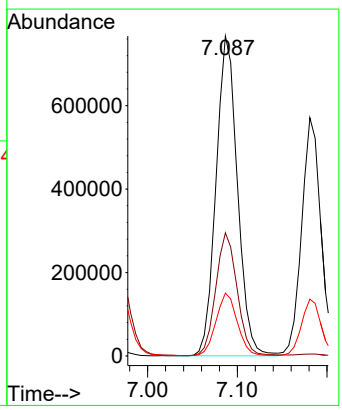


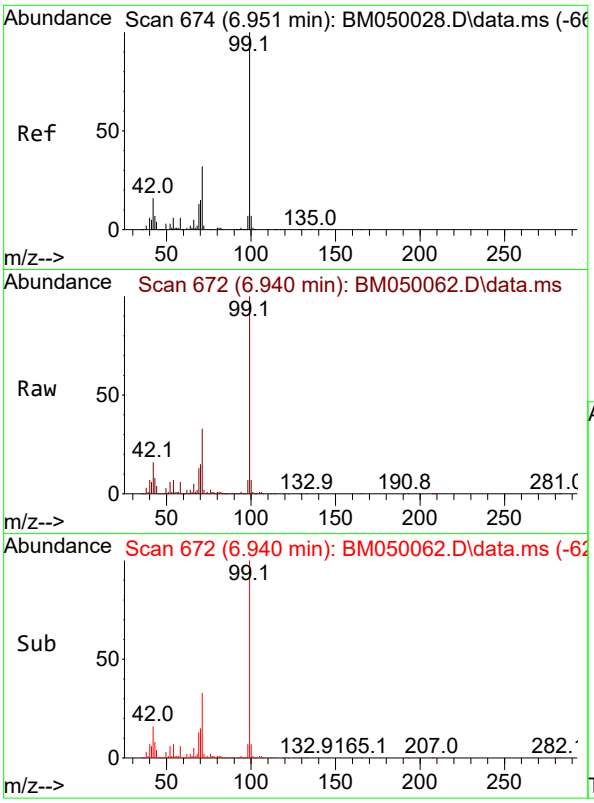


#6
Aniline
Concen: 42.572 ng
RT: 7.087 min Scan# 697
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion: 93 Resp: 1270890

Ion	Ratio	Lower	Upper
93	100		
66	38.5	29.9	44.9
65	19.6	14.5	21.7



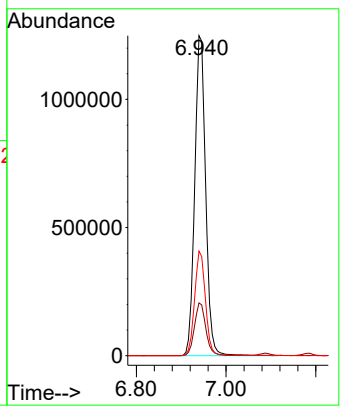


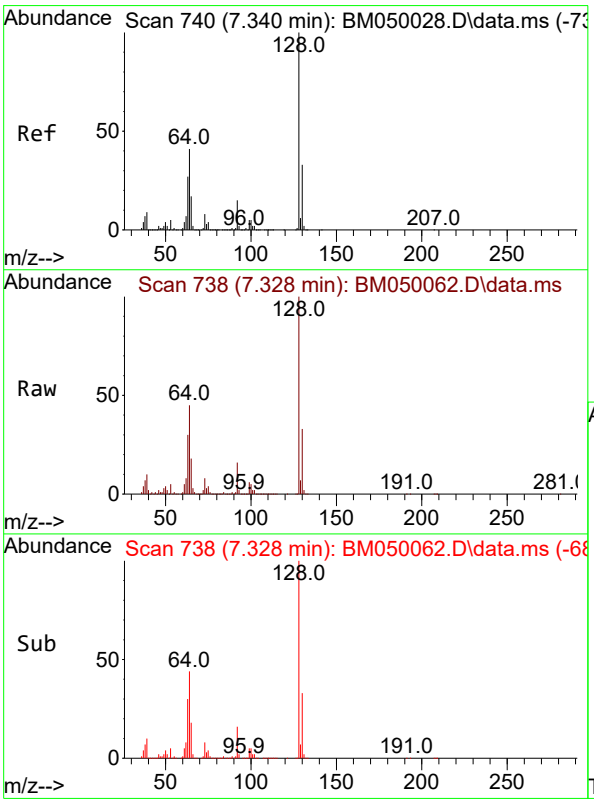
#7
Phenol-d6
Concen: 89.170 ng
RT: 6.940 min Scan# 6
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 2108064

Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.0	19.4
71	32.7	25.6	38.4

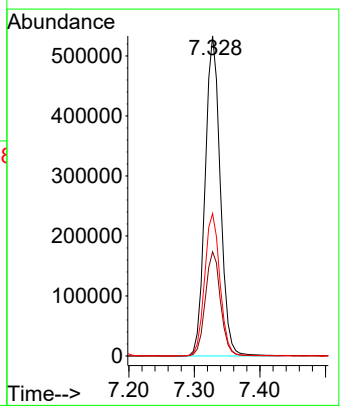


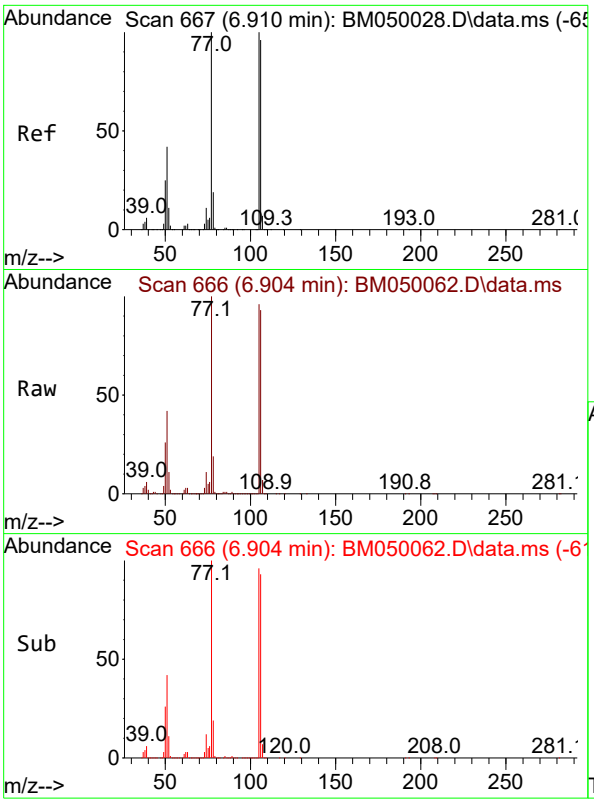


#8
2-Chlorophenol
Concen: 42.253 ng
RT: 7.328 min Scan# 738
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:128 Resp: 859309

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.8	52.8
64	44.5	21.2	61.2



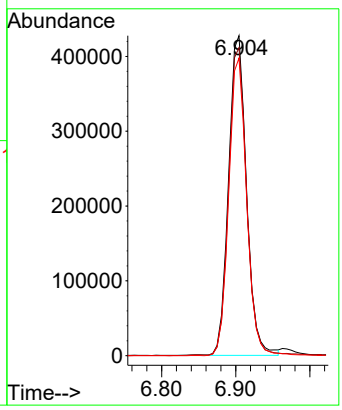


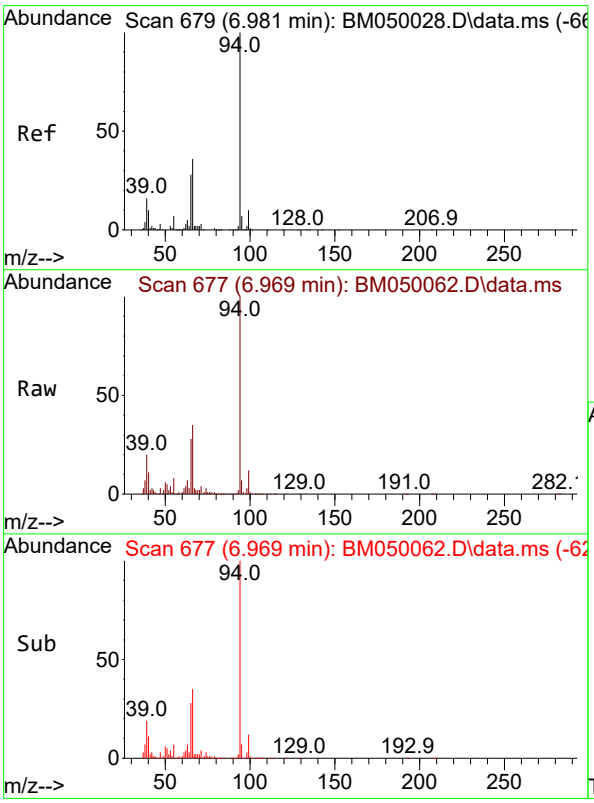
#9
Benzaldehyde
Concen: 45.481 ng
RT: 6.904 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 719532

Ion	Ratio	Lower	Upper
77	100		
105	96.2	80.5	120.5
106	93.0	76.1	116.1

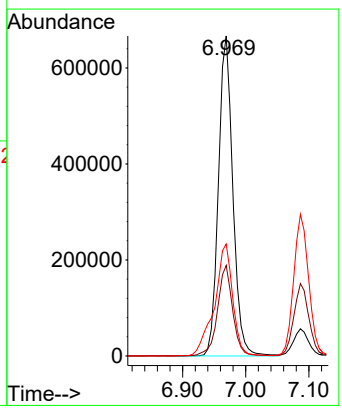


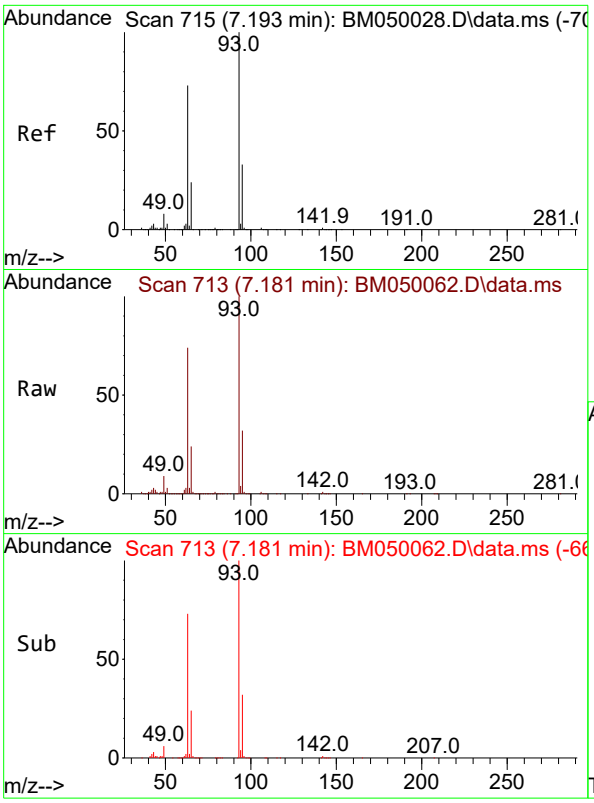


#10
Phenol
Concen: 44.161 ng
RT: 6.969 min Scan# 677
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion: 94 Resp: 1056904

Ion	Ratio	Lower	Upper
94	100		
65	28.3	7.6	47.6
66	35.0	15.8	55.8



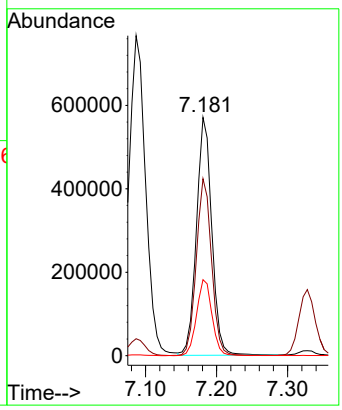


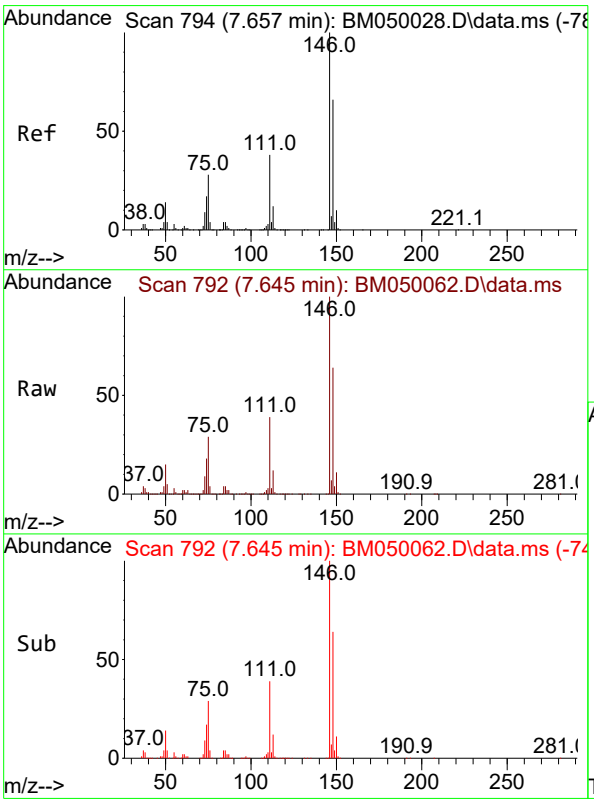
#11
bis(2-Chloroethyl)ether
Concen: 42.836 ng
RT: 7.181 min Scan# 71
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 856057

Ion	Ratio	Lower	Upper
93	100		
63	74.3	52.3	92.3
95	31.9	12.8	52.8

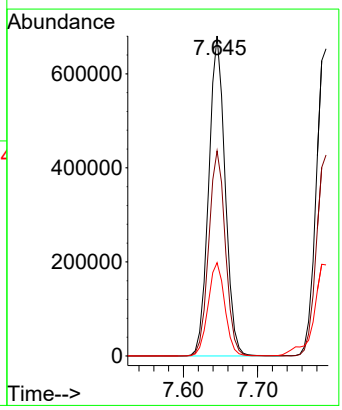


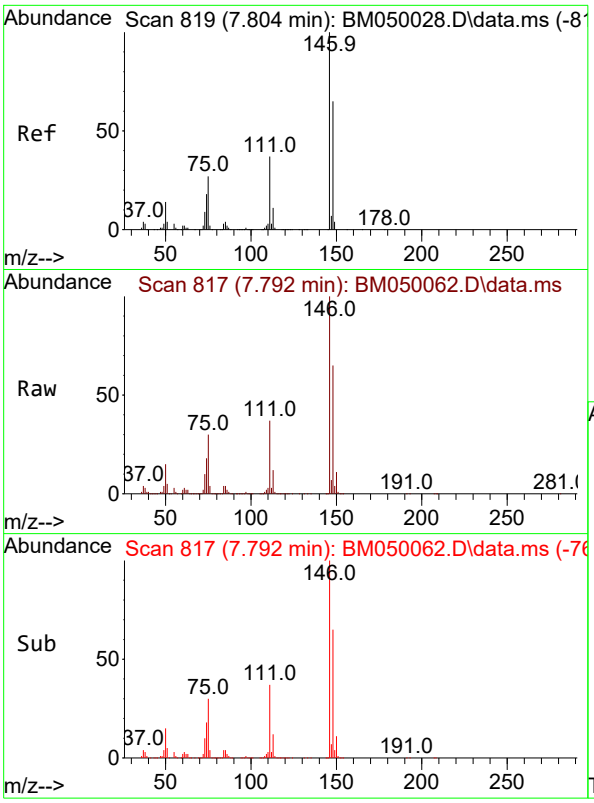


#12
1,3-Dichlorobenzene
Concen: 42.546 ng
RT: 7.645 min Scan# 792
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:146 Resp: 1045209

Ion	Ratio	Lower	Upper
146	100		
148	64.1	52.5	78.7
75	29.1	22.6	34.0



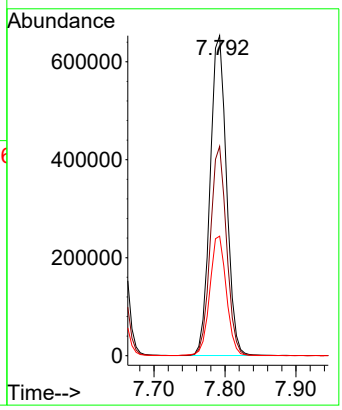


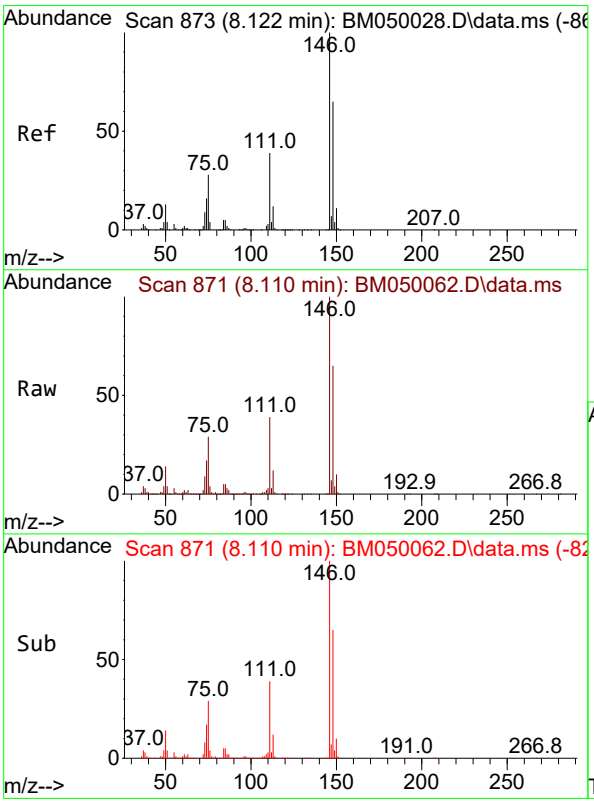
#13
1,4-Dichlorobenzene
Concen: 42.473 ng
RT: 7.792 min Scan# 81
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 1048234

Ion	Ratio	Lower	Upper
146	100		
148	65.4	52.2	78.2
111	37.3	29.3	43.9

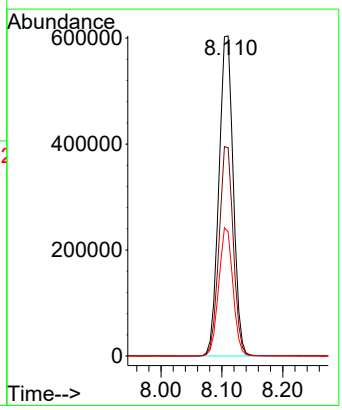


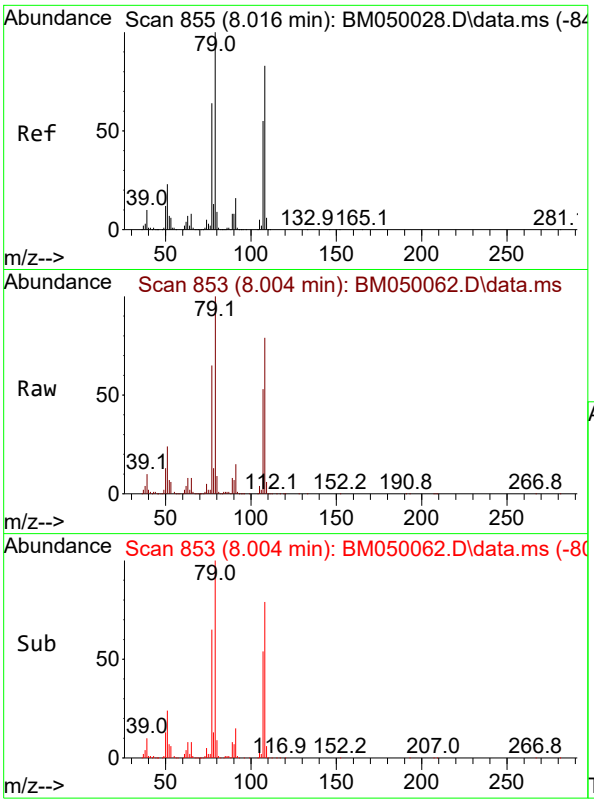


#14
1,2-Dichlorobenzene
Concen: 41.490 ng
RT: 8.110 min Scan# 871
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:146 Resp: 989132

Ion	Ratio	Lower	Upper
146	100		
148	65.1	52.4	78.6
111	38.8	31.0	46.6



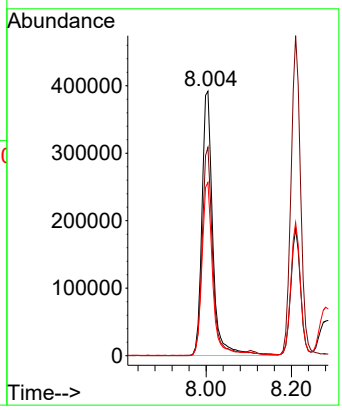


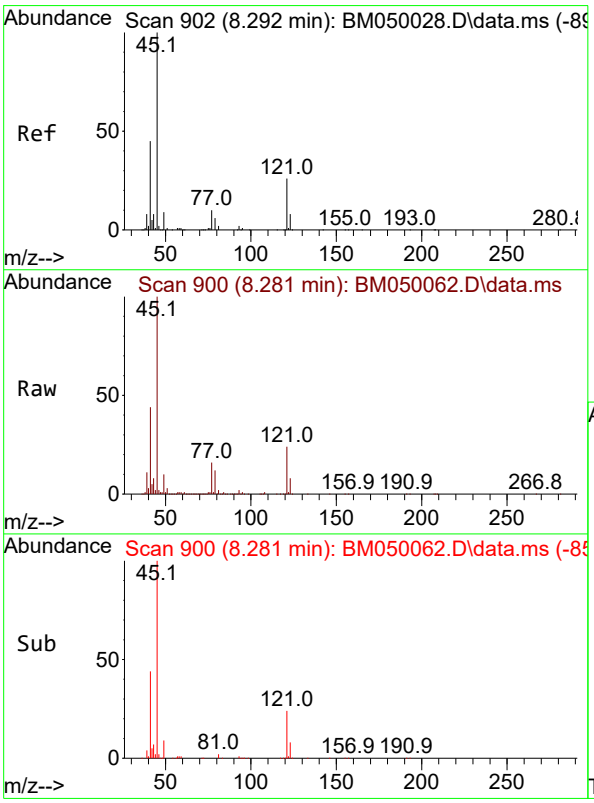
#15
Benzyl Alcohol
Concen: 42.242 ng
RT: 8.004 min Scan# 8
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 692547

Ion	Ratio	Lower	Upper
79	100		
108	78.8	66.0	99.0
77	65.5	51.6	77.4

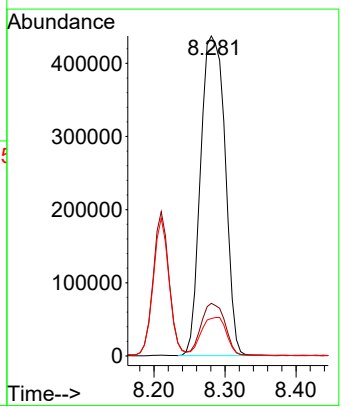


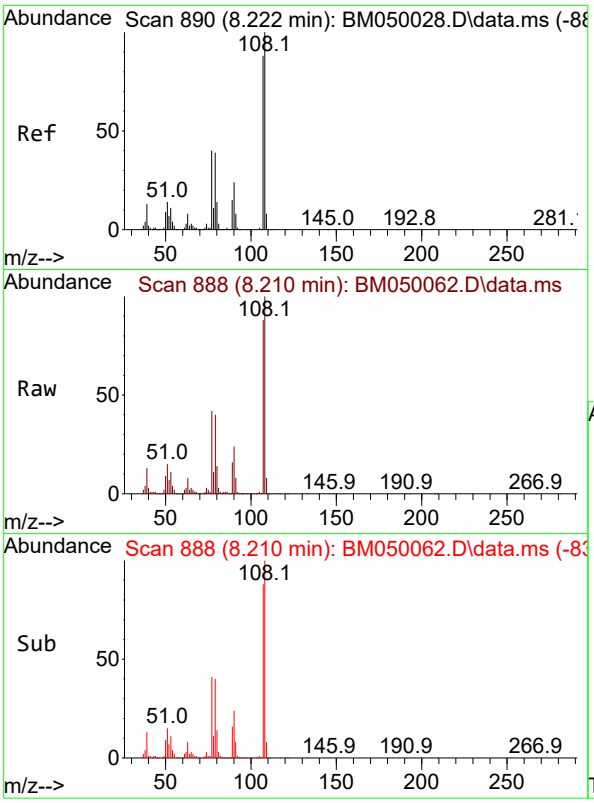


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.052 ng
RT: 8.281 min Scan# 900
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion: 45 Resp: 1045823

Ion	Ratio	Lower	Upper
45	100		
77	16.4	0.0	36.4
79	11.7	0.0	32.7



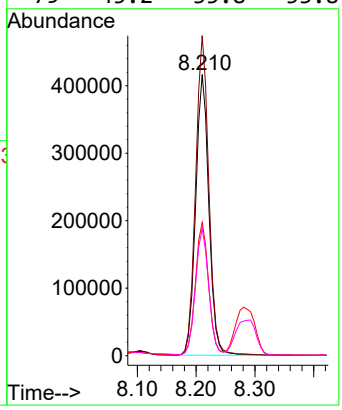


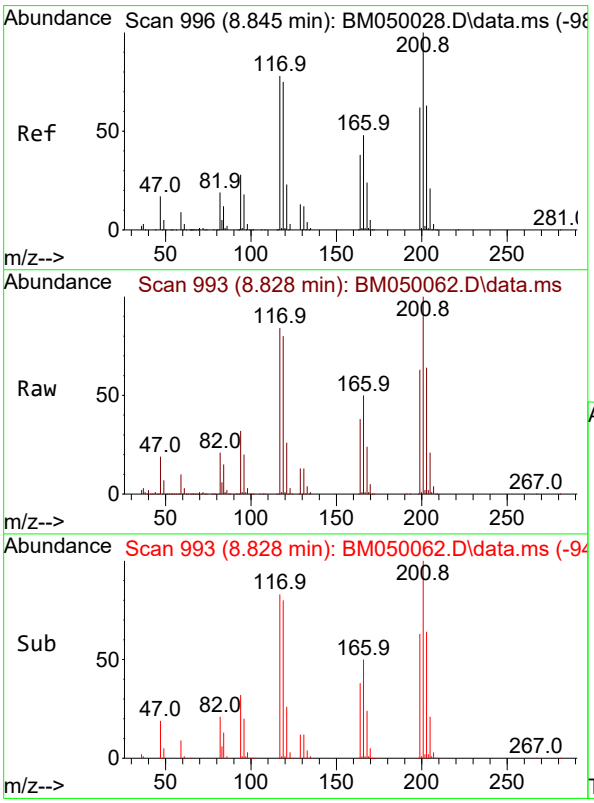
#17
2-Methylphenol
Concen: 41.137 ng
RT: 8.210 min Scan# 8
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 648585

Ion	Ratio	Lower	Upper
107	100		
108	113.8	91.1	136.7
77	47.4	36.2	54.4
79	45.2	35.8	53.8

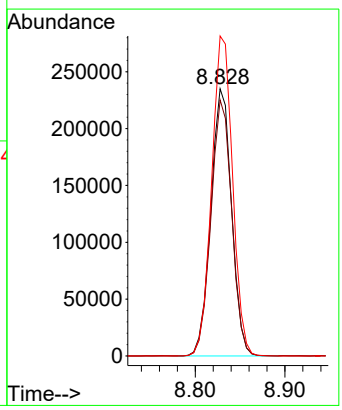


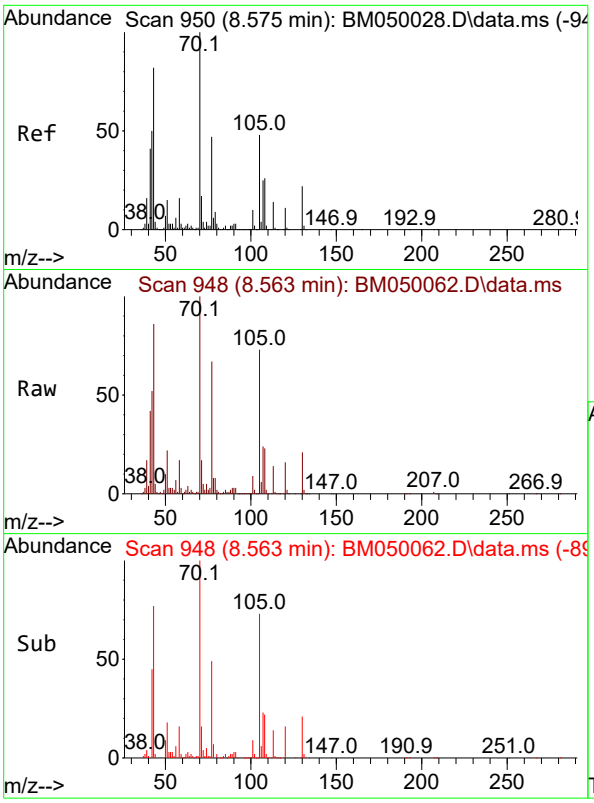


#18
Hexachloroethane
Concen: 43.117 ng
RT: 8.828 min Scan# 993
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:117 Resp: 378276

Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.3	115.9
201	119.7	102.8	154.2



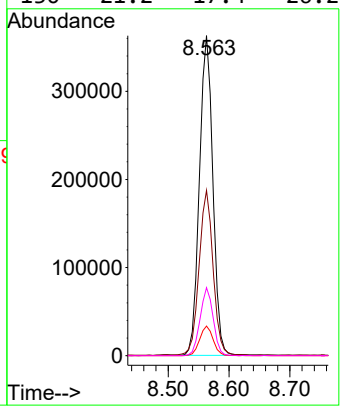


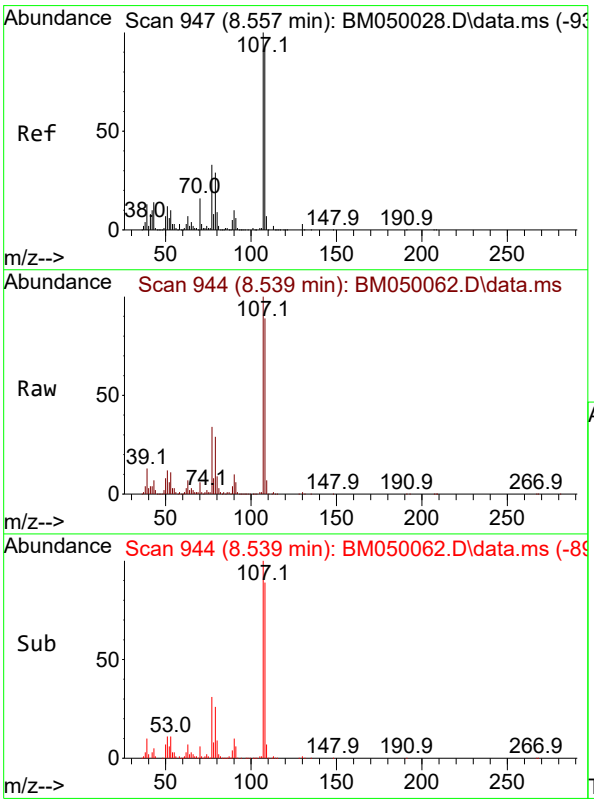
#19
n-Nitroso-di-n-propylamine
Concen: 36.605 ng
RT: 8.563 min Scan# 94
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 555015

Ion	Ratio	Lower	Upper
70	100		
42	51.6	40.5	60.7
101	9.3	7.8	11.6
130	21.2	17.4	26.2

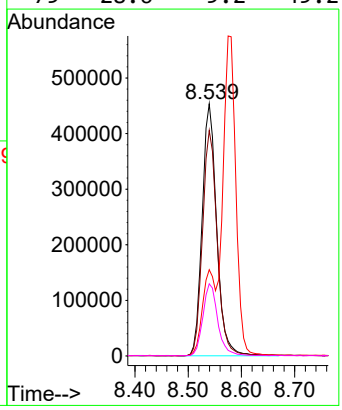


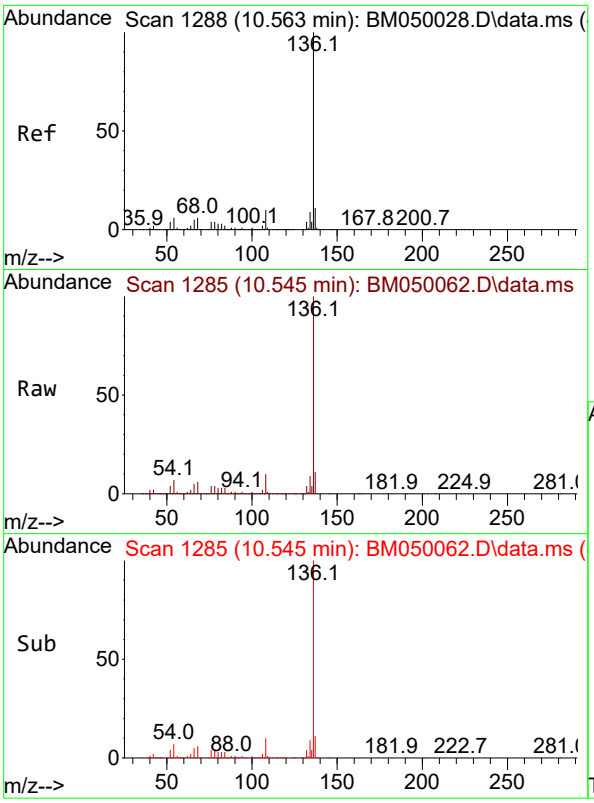


#20
3+4-Methylphenols
Concen: 40.296 ng
RT: 8.539 min Scan# 944
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:107 Resp: 857963

Ion	Ratio	Lower	Upper
107	100		
108	89.4	72.4	112.4
77	34.2	13.6	53.6
79	28.6	9.2	49.2



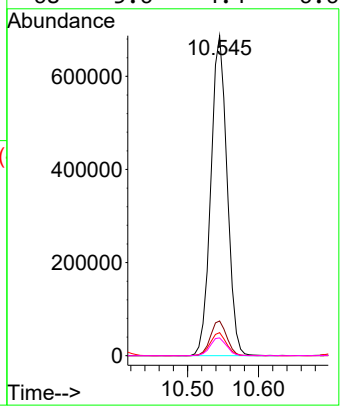


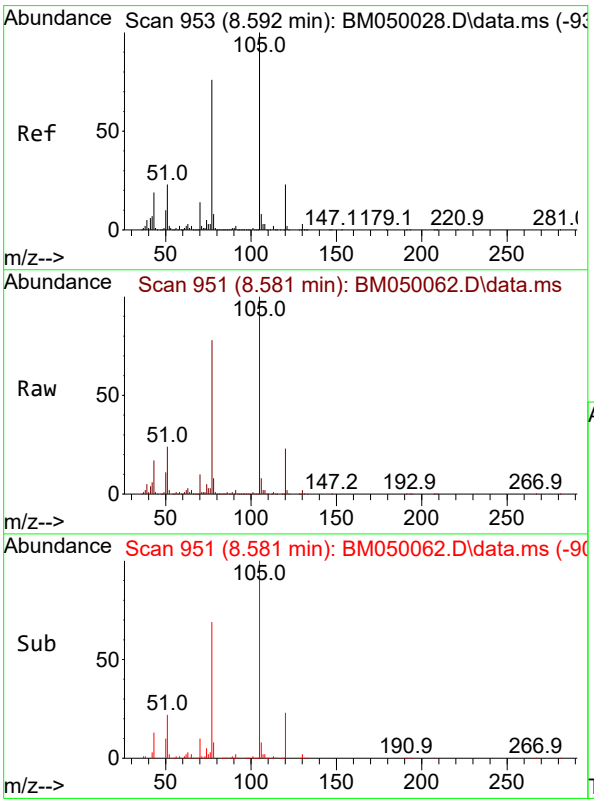
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.545 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 1090203

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.2	5.1	7.7
68	5.6	4.4	6.6

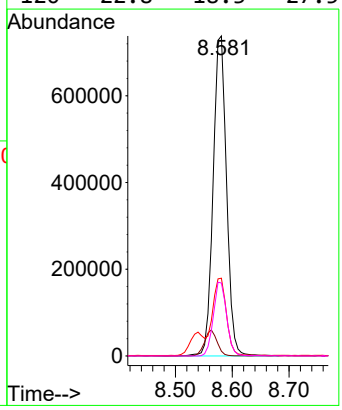


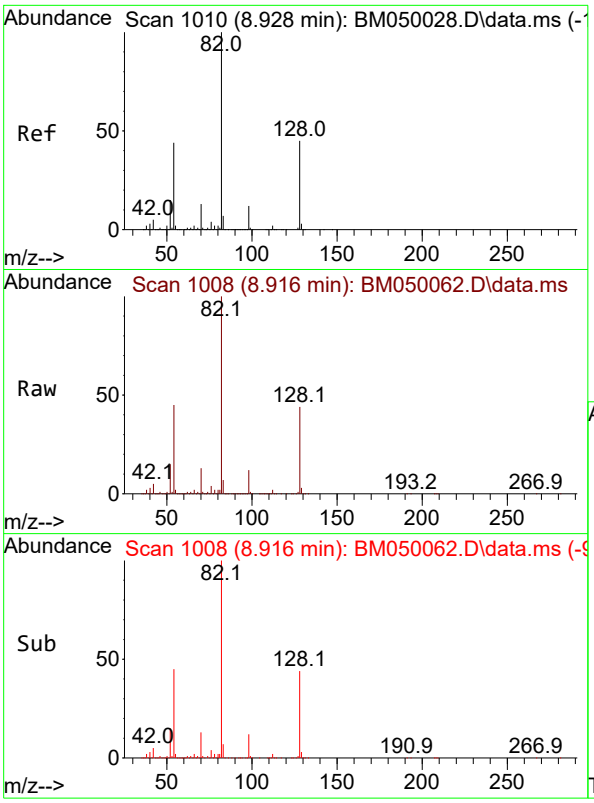


#22
Acetophenone
Concen: 44.635 ng
RT: 8.581 min Scan# 951
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:105 Resp: 1209811

Ion	Ratio	Lower	Upper
105	100		
71	1.5	1.7	2.5#
51	24.3	18.6	27.8
120	22.8	18.3	27.5



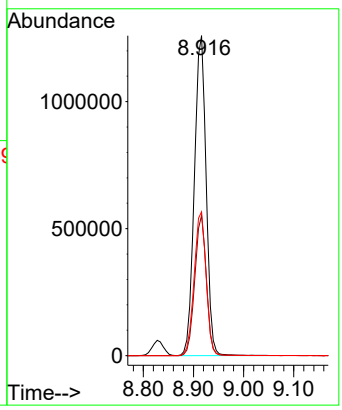


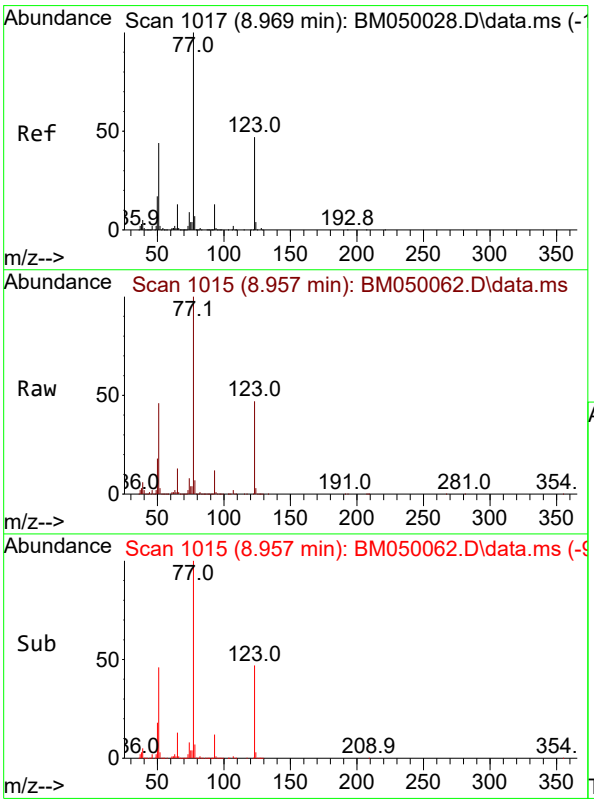
#23
Nitrobenzene-d5
Concen: 92.712 ng
RT: 8.916 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 2051183

Ion	Ratio	Lower	Upper
82	100		
128	43.9	35.7	53.5
54	45.0	35.4	53.2

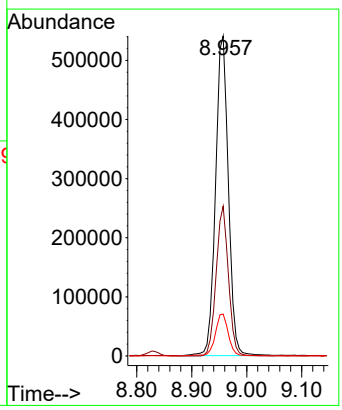


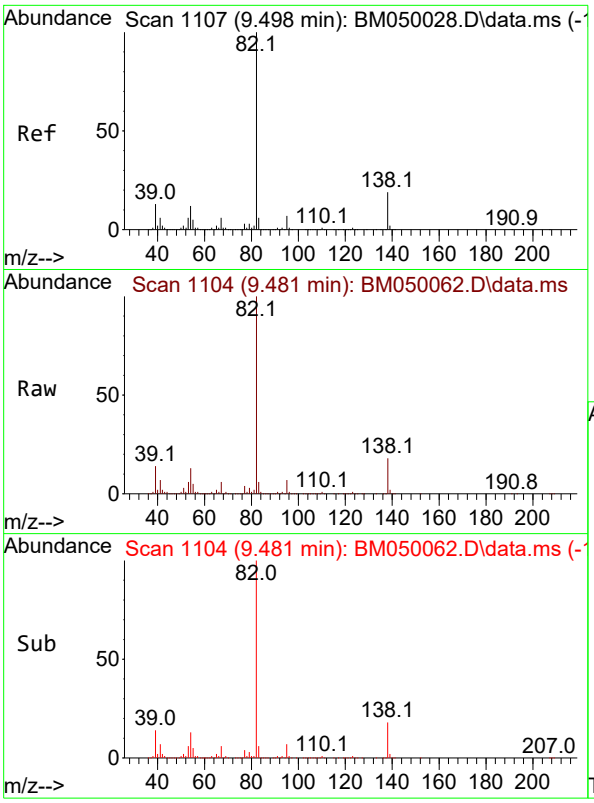


#24
Nitrobenzene
Concen: 45.762 ng
RT: 8.957 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion: 77 Resp: 875427

Ion	Ratio	Lower	Upper
77	100		
123	46.8	37.9	56.9
65	13.1	10.1	15.1



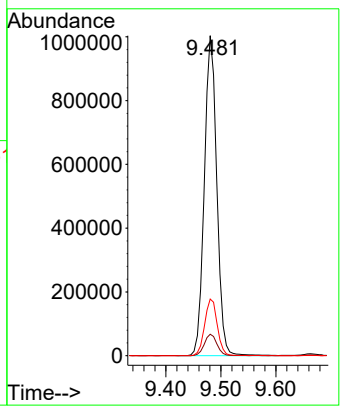


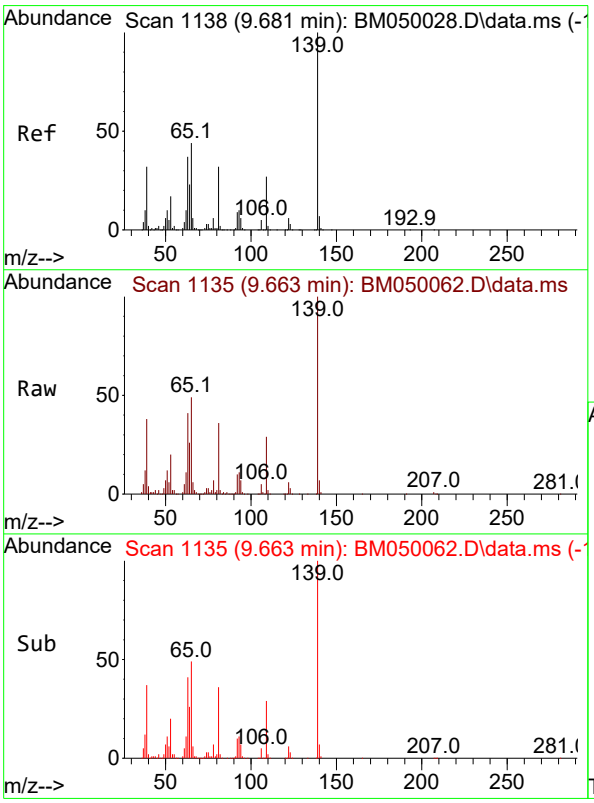
#25
Isophorone
Concen: 41.750 ng
RT: 9.481 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1574508

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.7	8.5
138	17.7	15.5	23.3

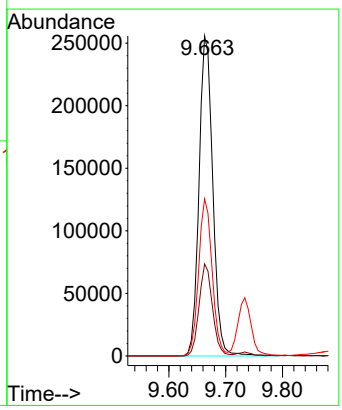


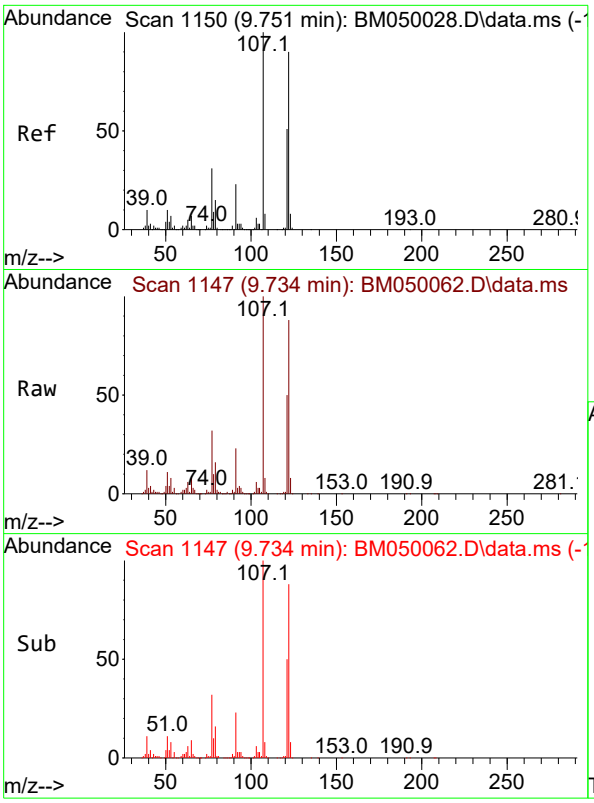


#26
2-Nitrophenol
Concen: 44.067 ng
RT: 9.663 min Scan# 1135
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:139 Resp: 430669

Ion	Ratio	Lower	Upper
139	100		
109	28.8	21.9	32.9
65	49.1	35.4	53.2



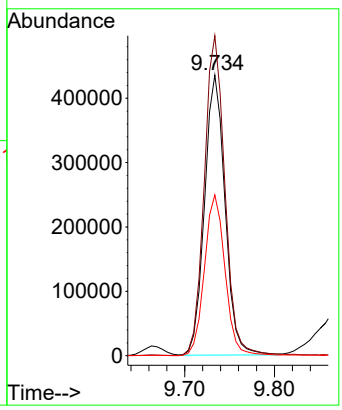


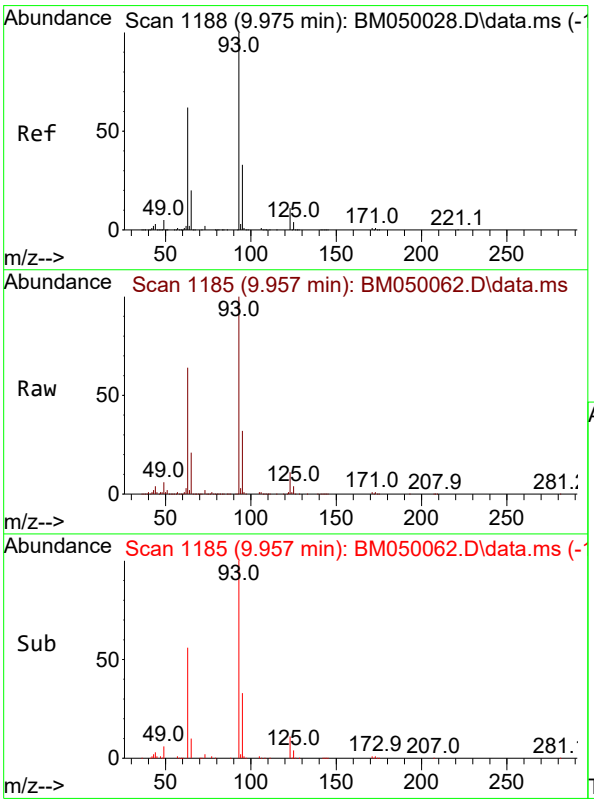
#27
2,4-Dimethylphenol
Concen: 42.668 ng
RT: 9.734 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 691532

Ion	Ratio	Lower	Upper
122	100		
107	114.0	89.0	133.6
121	57.3	45.6	68.4

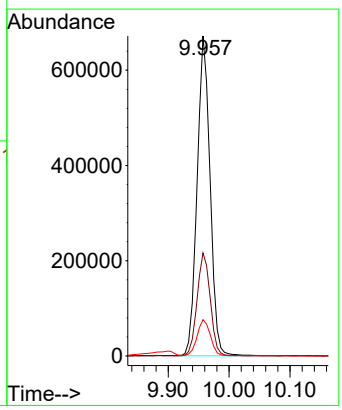


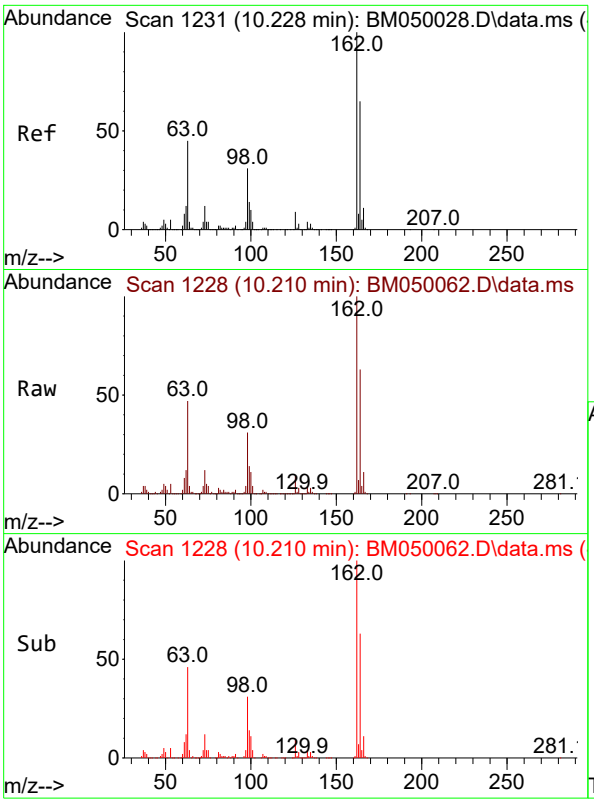


#28
bis(2-Chloroethoxy)methane
Concen: 42.549 ng
RT: 9.957 min Scan# 1185
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion: 93 Resp: 991786

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.1	39.1
123	11.4	9.5	14.3



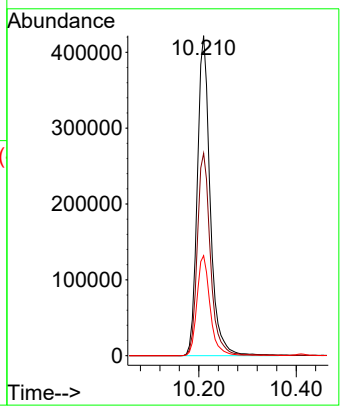


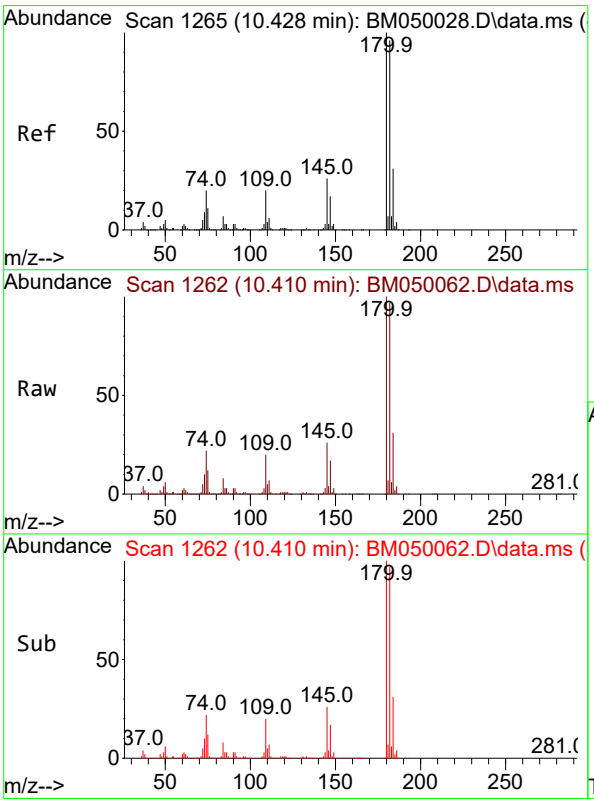
#29
2,4-Dichlorophenol
Concen: 42.706 ng
RT: 10.210 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 775404

Ion	Ratio	Lower	Upper
162	100		
164	63.3	45.4	85.4
98	31.2	11.3	51.3

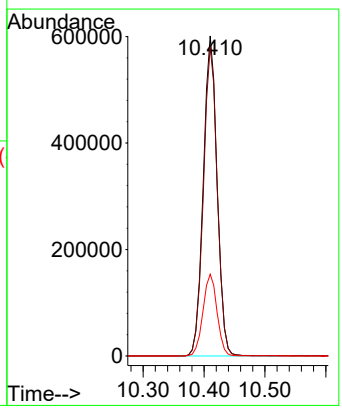


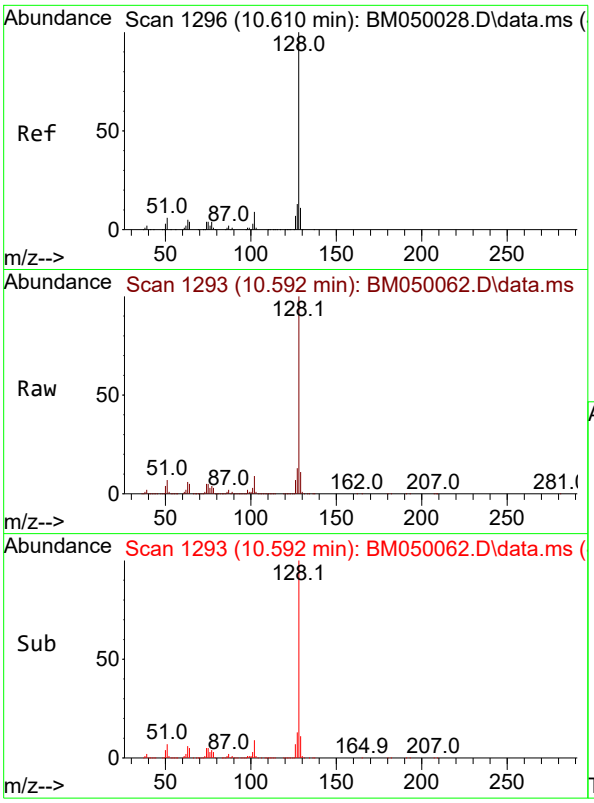


#30
1,2,4-Trichlorobenzene
Concen: 42.941 ng
RT: 10.410 min Scan# 1262
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:180 Resp: 949929

Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.0	115.4
145	25.6	20.6	30.8



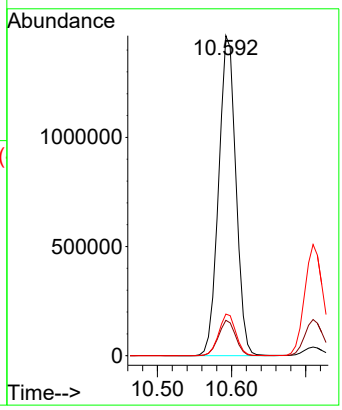


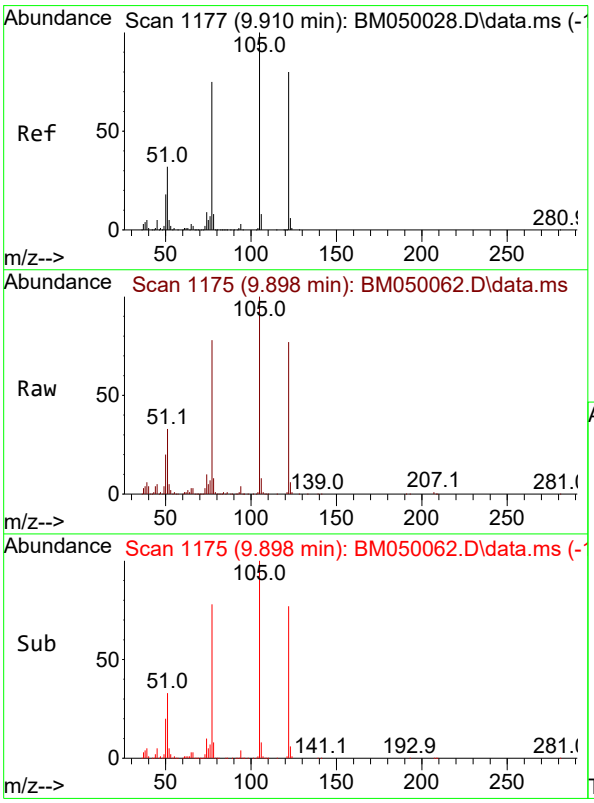
#31
Naphthalene
Concen: 42.897 ng
RT: 10.592 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 2368369

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.0	10.4	15.6

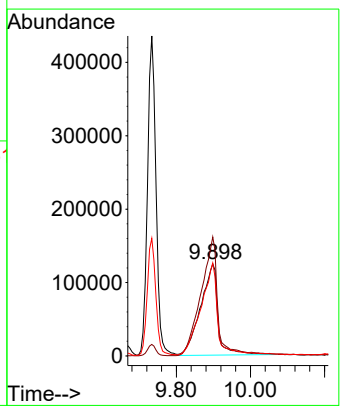


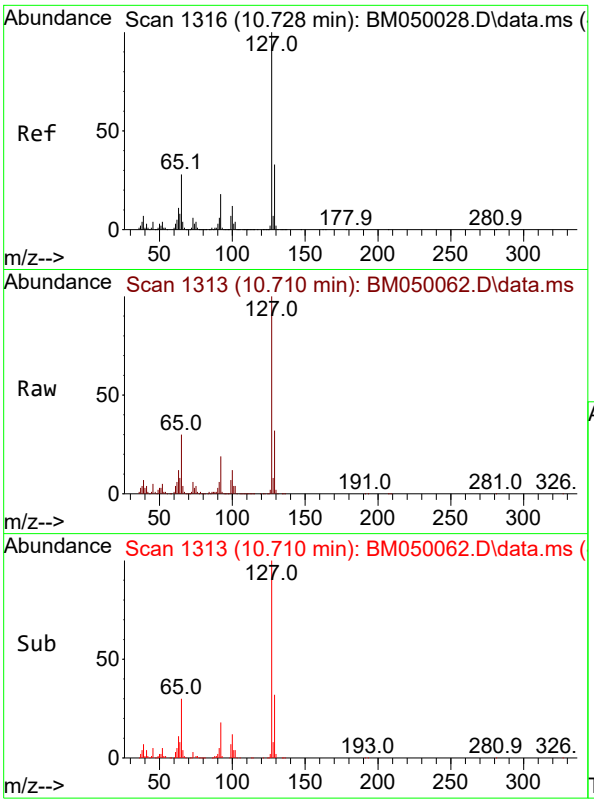


#32
Benzoic acid
Concen: 39.188 ng
RT: 9.898 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:122 Resp: 406206

Ion	Ratio	Lower	Upper
122	100		
105	129.5	103.6	143.6
77	101.1	73.7	113.7



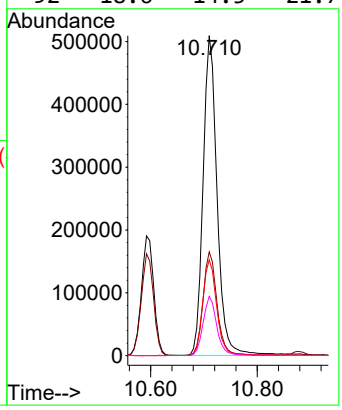


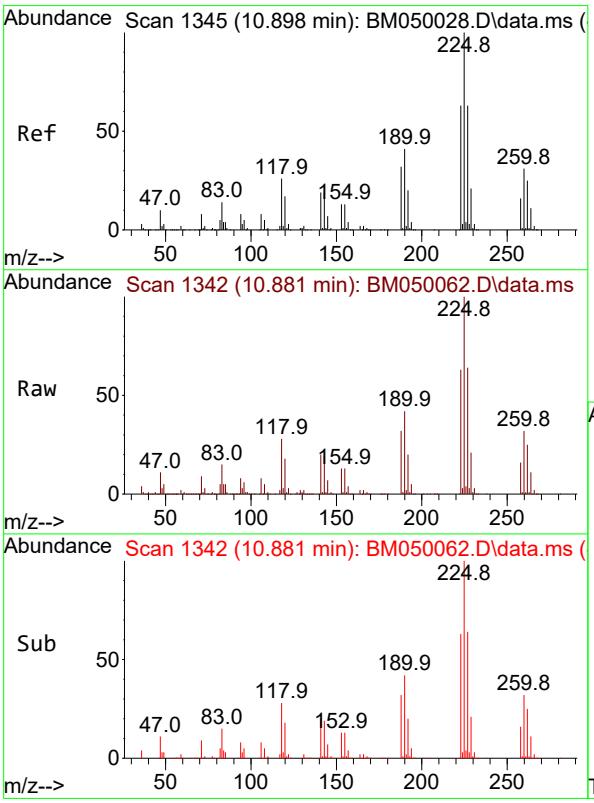
#33
4-Chloroaniline
Concen: 41.048 ng
RT: 10.710 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 928926

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.3	39.5
65	29.9	22.5	33.7
92	18.6	14.5	21.7

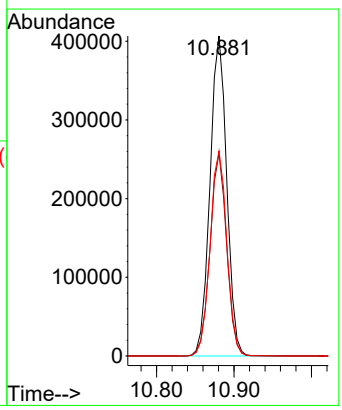


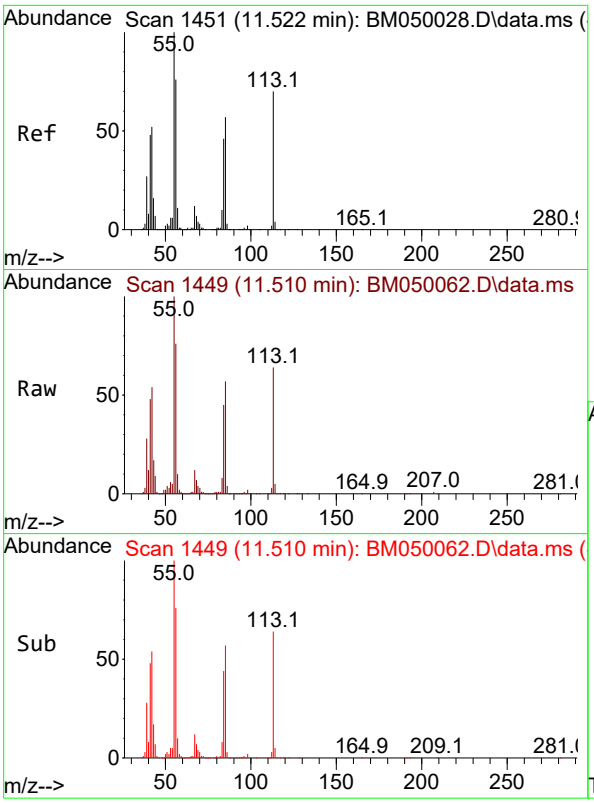


#34
Hexachlorobutadiene
Concen: 43.347 ng
RT: 10.881 min Scan# 1342
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:225 Resp: 608678

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.2	75.2
227	64.1	50.6	76.0



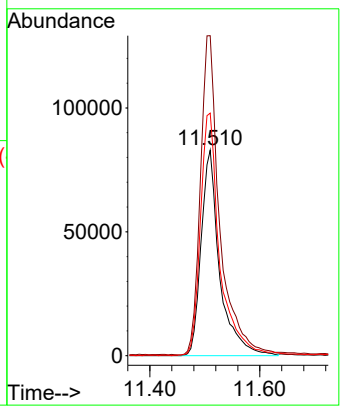


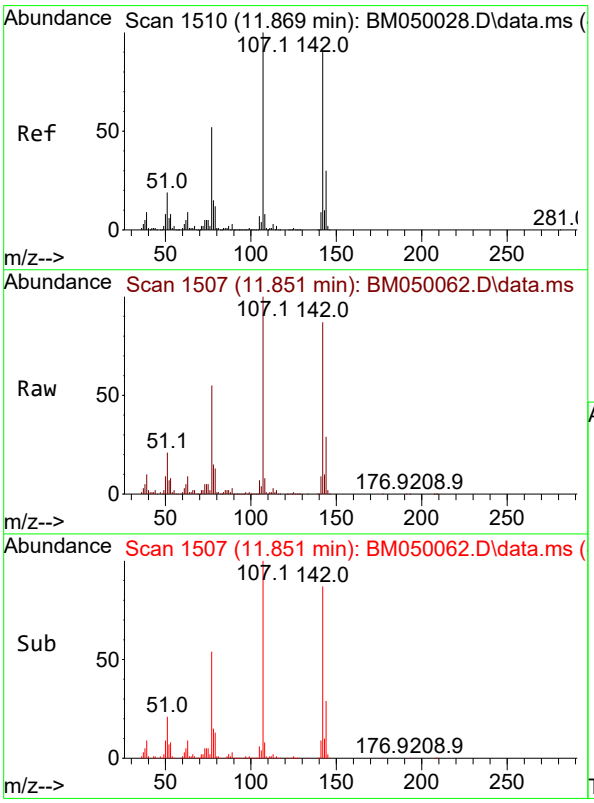
#35
Caprolactam
Concen: 36.708 ng
RT: 11.510 min Scan# 14
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 194333

Ion	Ratio	Lower	Upper
113	100		
55	155.7	122.9	162.9
56	118.1	88.1	128.1

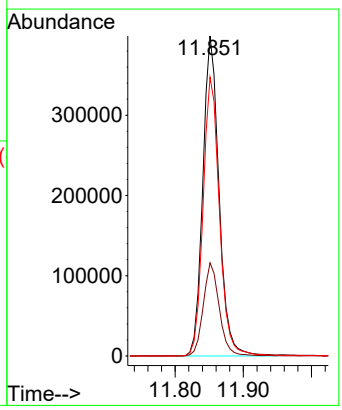


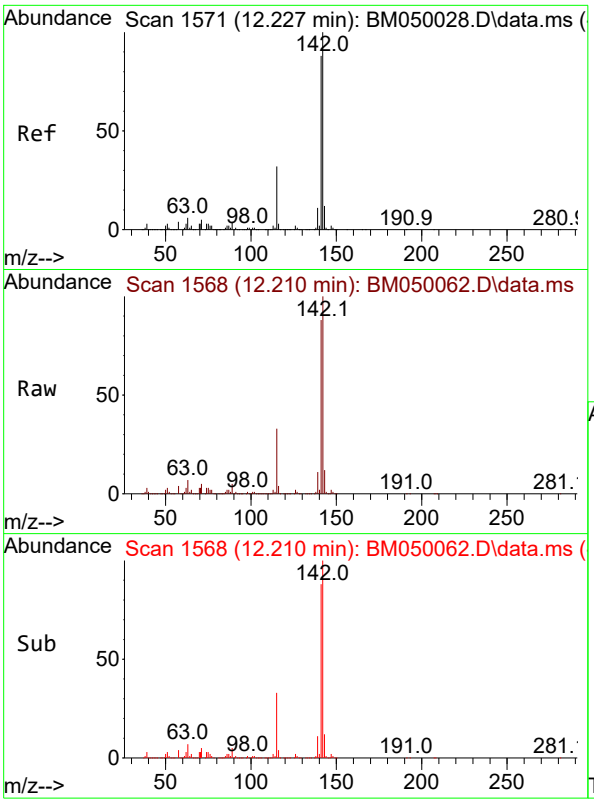


#36
4-Chloro-3-methylphenol
Concen: 39.405 ng
RT: 11.851 min Scan# 1507
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:107 Resp: 661004

Ion	Ratio	Lower	Upper
107	100		
144	29.1	23.8	35.6
142	87.1	71.9	107.9



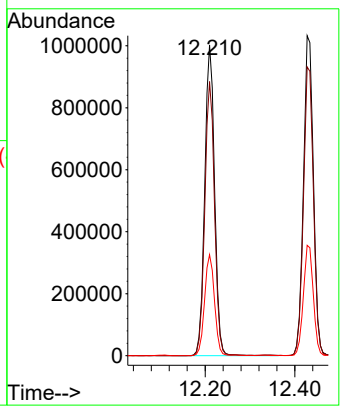


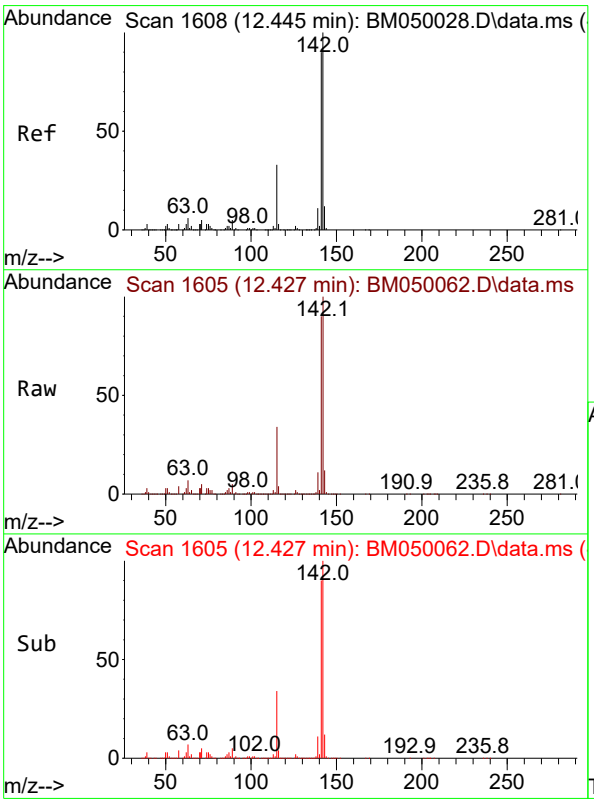
#37
2-Methylnaphthalene
Concen: 41.142 ng
RT: 12.210 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 1522915

Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.4	105.6
115	32.5	25.4	38.2

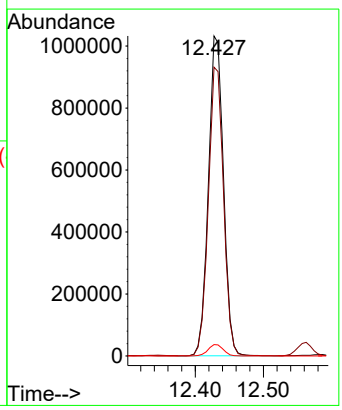


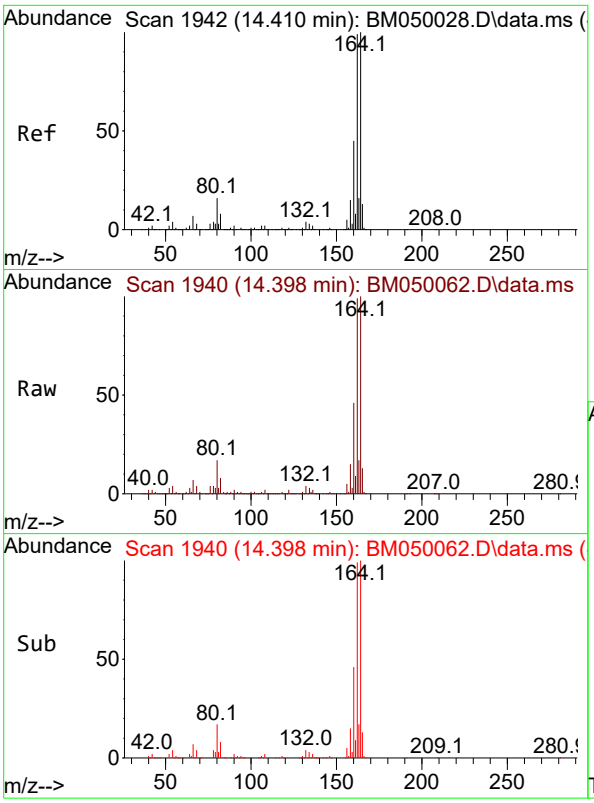


#38
1-Methylnaphthalene
Concen: 40.492 ng
RT: 12.427 min Scan# 1605
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:142 Resp: 1586181

Ion	Ratio	Lower	Upper
142	100		
141	90.3	72.1	108.1
116	3.6	2.7	4.1



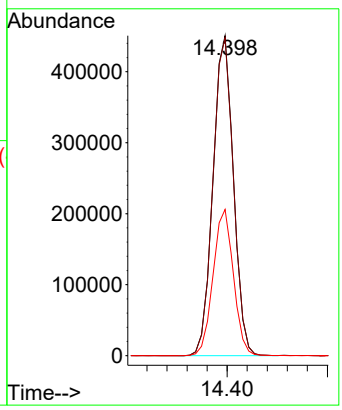


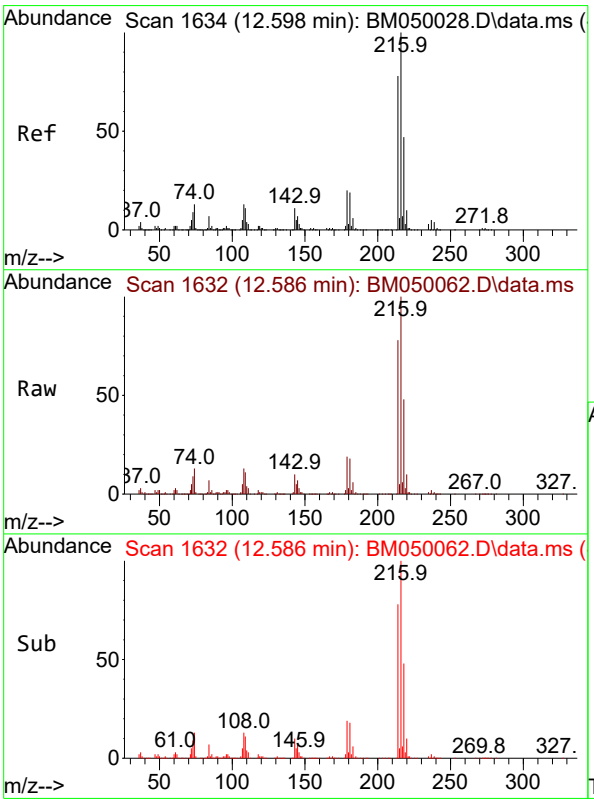
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.398 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 636680

Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.4	119.0
160	45.7	36.2	54.4

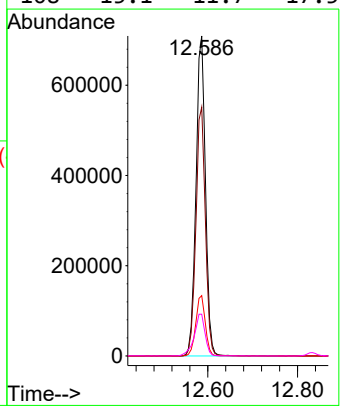


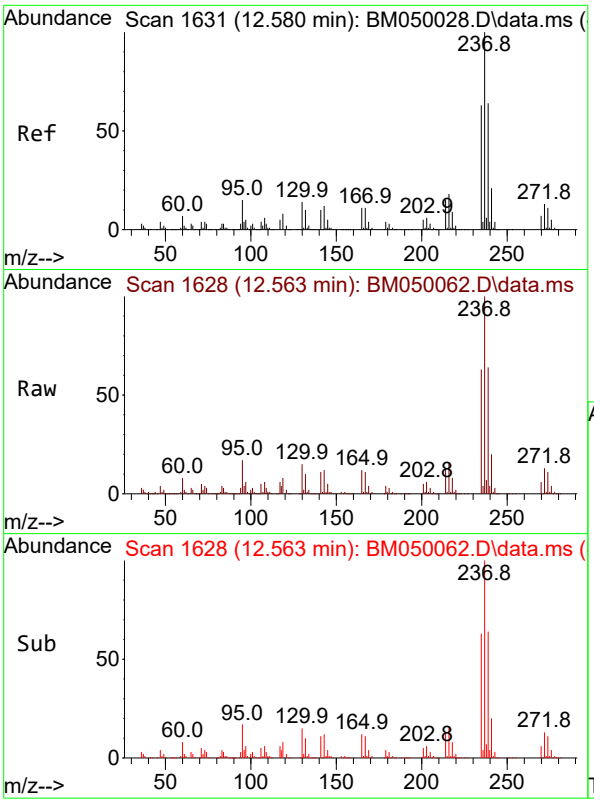


#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.936 ng
RT: 12.586 min Scan# 1632
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:216 Resp: 1034474

Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.3	93.5
179	19.1	15.4	23.0
108	15.1	11.7	17.5



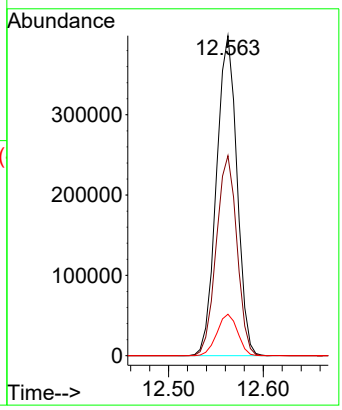


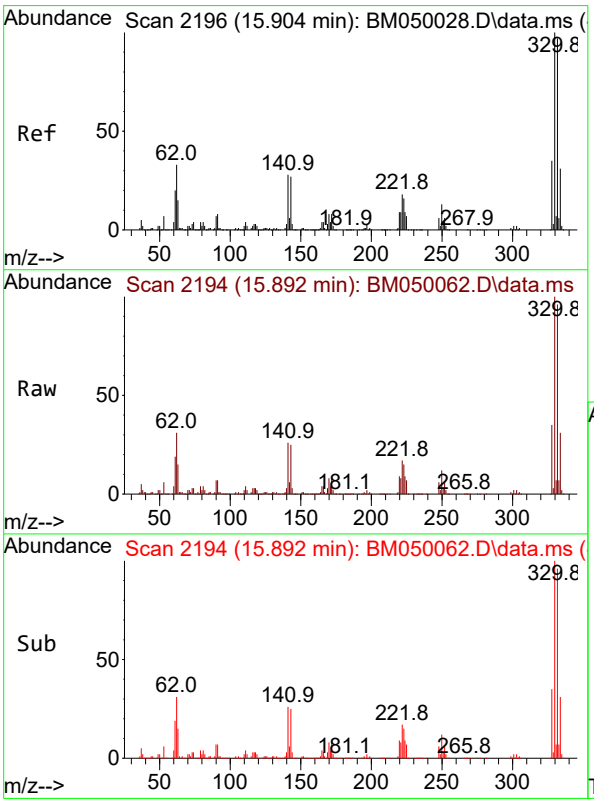
#41
Hexachlorocyclopentadiene
Concen: 44.616 ng
RT: 12.563 min Scan# 1
Delta R.T. -0.017 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 600946

Ion	Ratio	Lower	Upper
237	100		
235	62.5	42.9	82.9
272	12.9	0.0	32.9

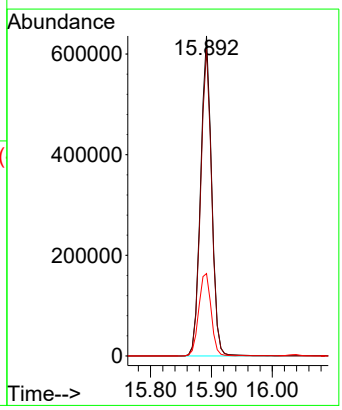


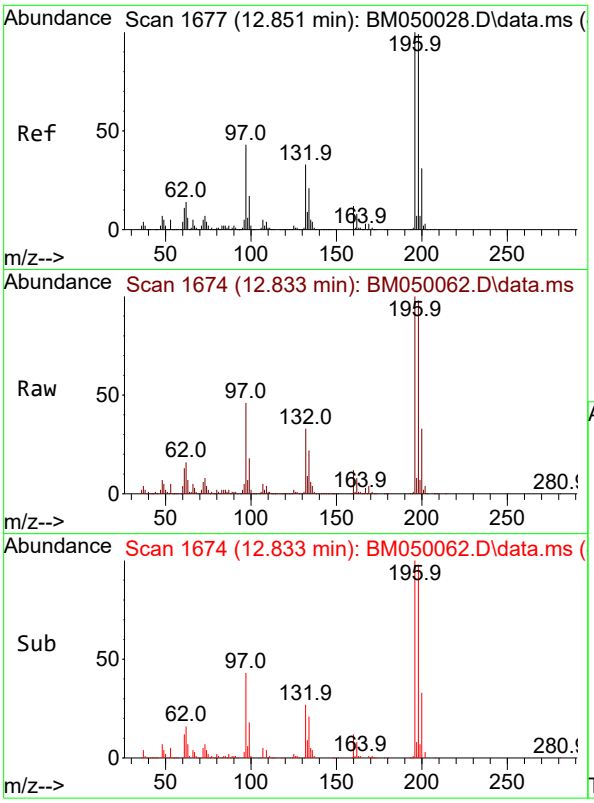


#42
2,4,6-Tribromophenol
Concen: 84.547 ng
RT: 15.892 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:330 Resp: 795940

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.3	115.9
141	29.0	22.5	33.7



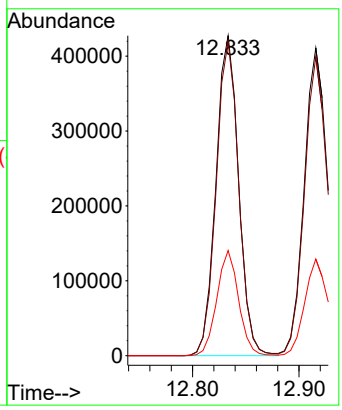


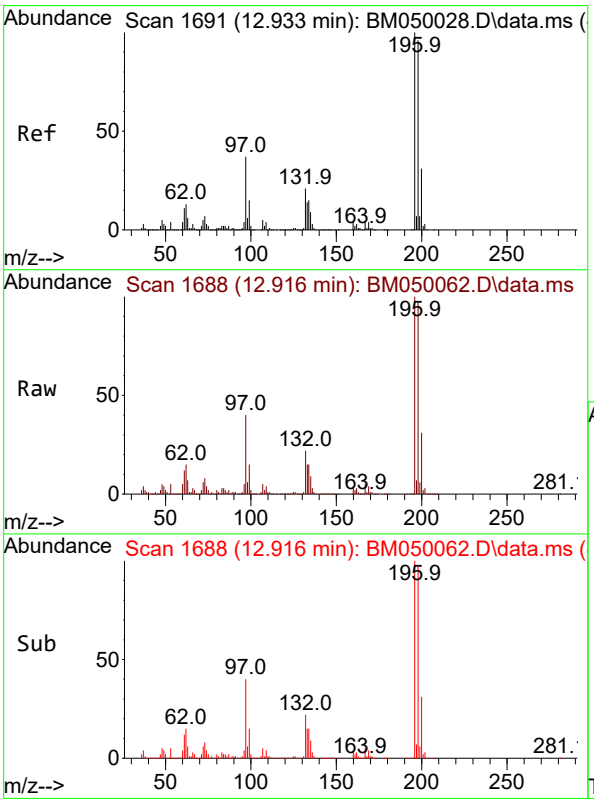
#43
2,4,6-Trichlorophenol
Concen: 45.172 ng
RT: 12.833 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 631478

Ion	Ratio	Lower	Upper
196	100		
198	98.2	79.0	118.6
200	32.9	25.1	37.7

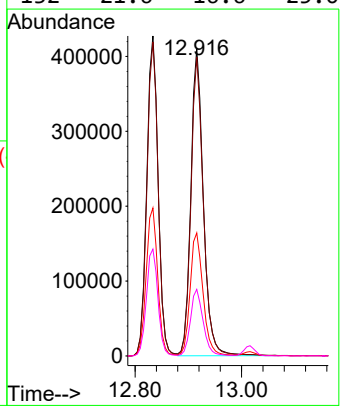


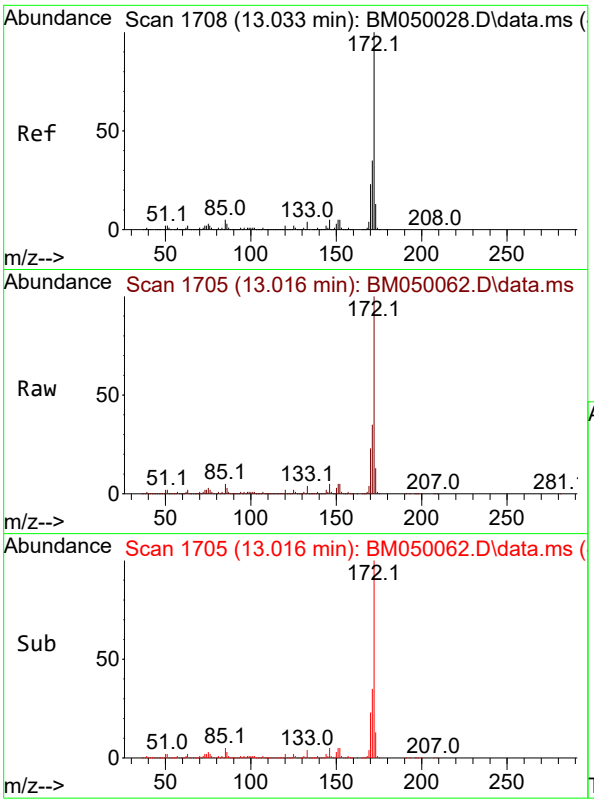


#44
2,4,5-Trichlorophenol
Concen: 44.577 ng
RT: 12.916 min Scan# 1688
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:196 Resp: 671975

Ion	Ratio	Lower	Upper
196	100		
198	97.2	76.7	115.1
97	40.0	30.1	45.1
132	21.6	16.6	25.0



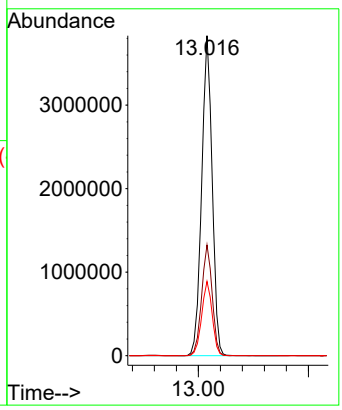


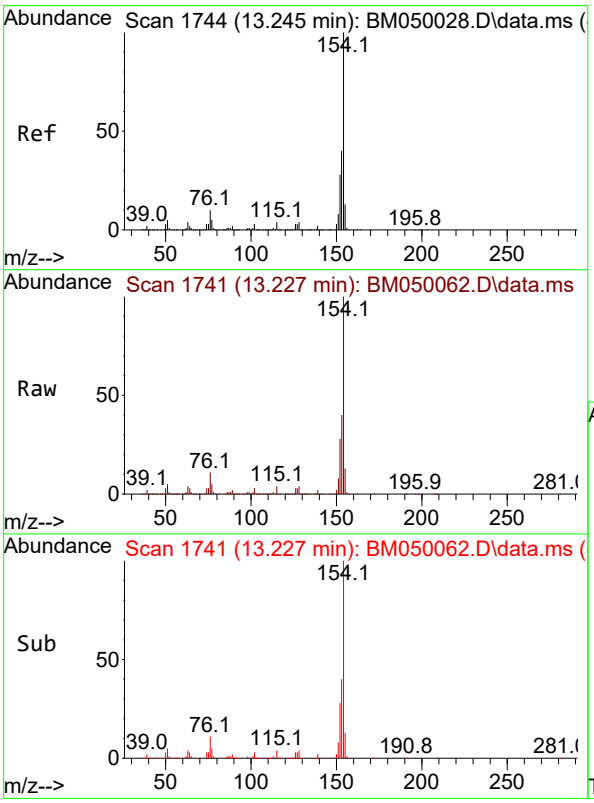
#45
2-Fluorobiphenyl
Concen: 94.461 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 5083891

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.8	41.6
170	23.2	18.6	28.0

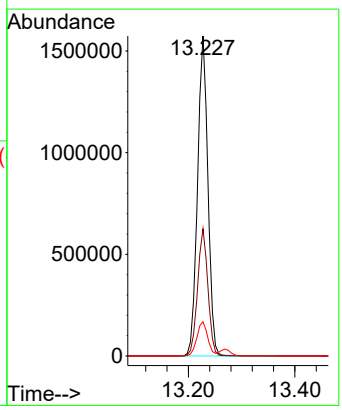


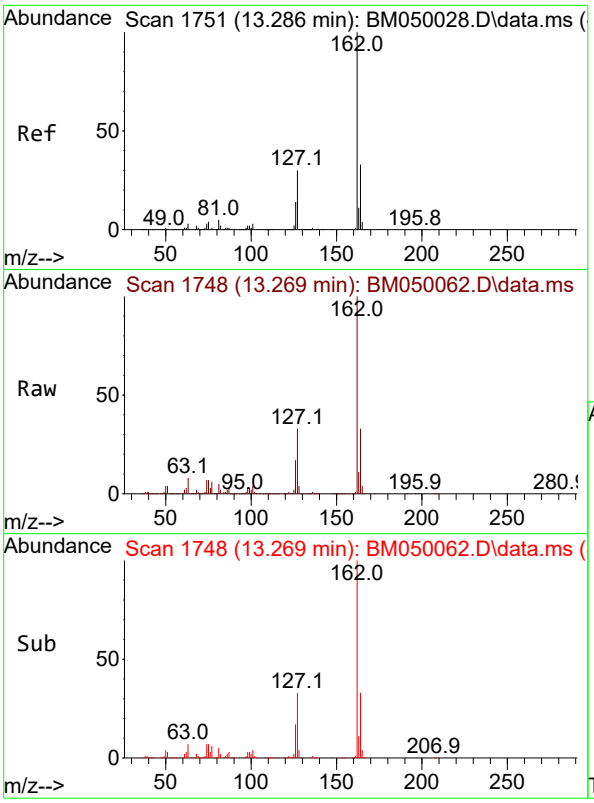


#46
1,1'-Biphenyl
Concen: 45.044 ng
RT: 13.227 min Scan# 1741
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:154 Resp: 2131816

Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.0	60.0
76	10.7	0.0	30.3



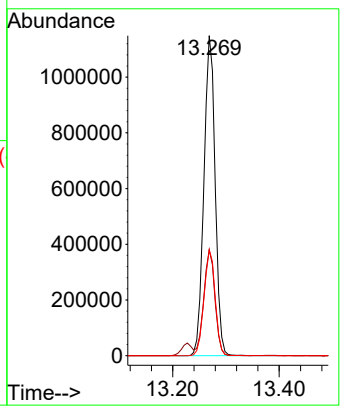


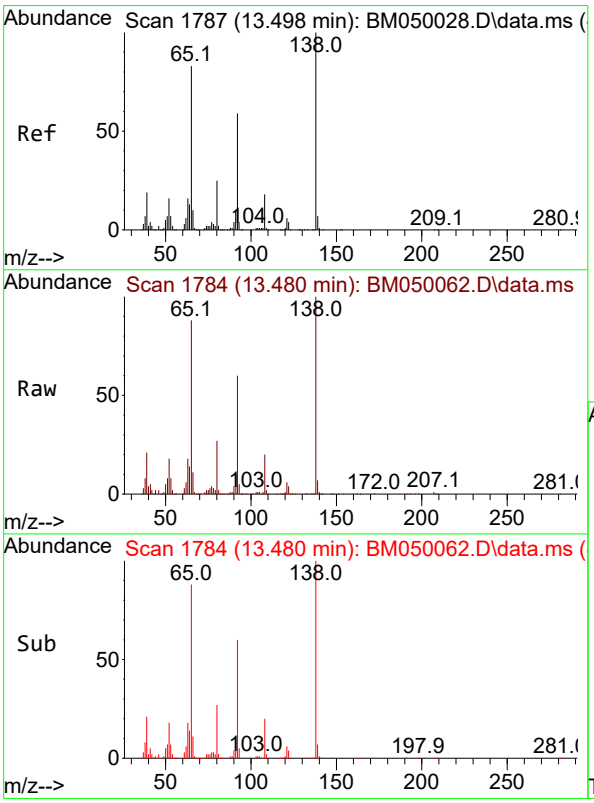
#47
2-Chloronaphthalene
Concen: 44.927 ng
RT: 13.269 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 1684006

Ion	Ratio	Lower	Upper
162	100		
127	33.1	25.9	38.9
164	33.1	26.6	40.0

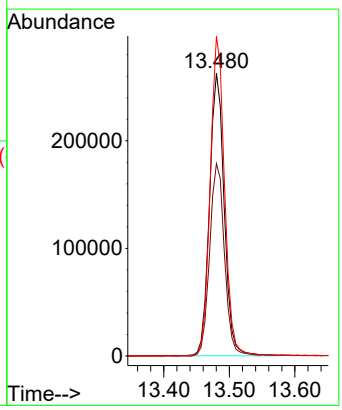


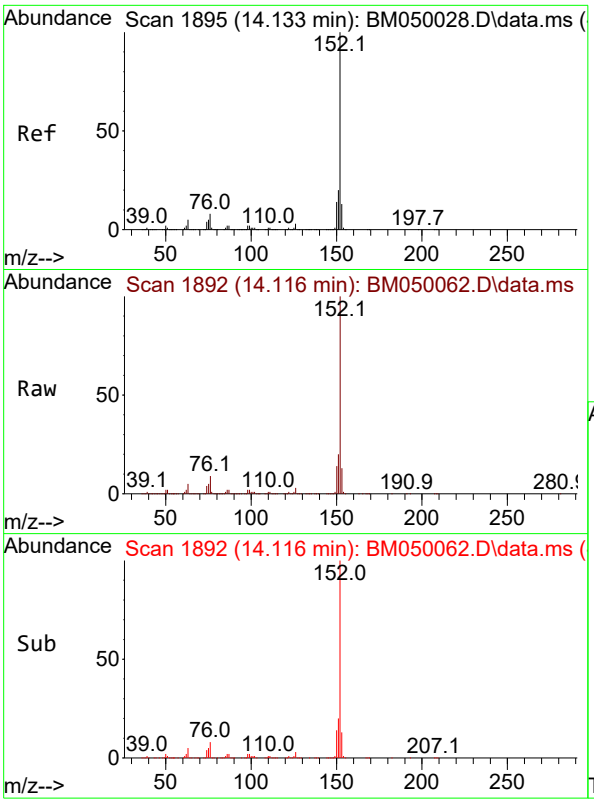


#48
2-Nitroaniline
Concen: 46.607 ng
RT: 13.480 min Scan# 1784
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion: 65 Resp: 410017

Ion	Ratio	Lower	Upper
65	100		
92	68.0	57.1	85.7
138	113.1	97.0	145.4



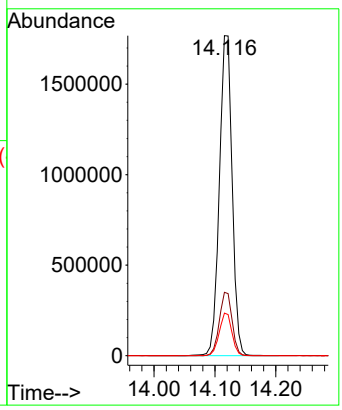


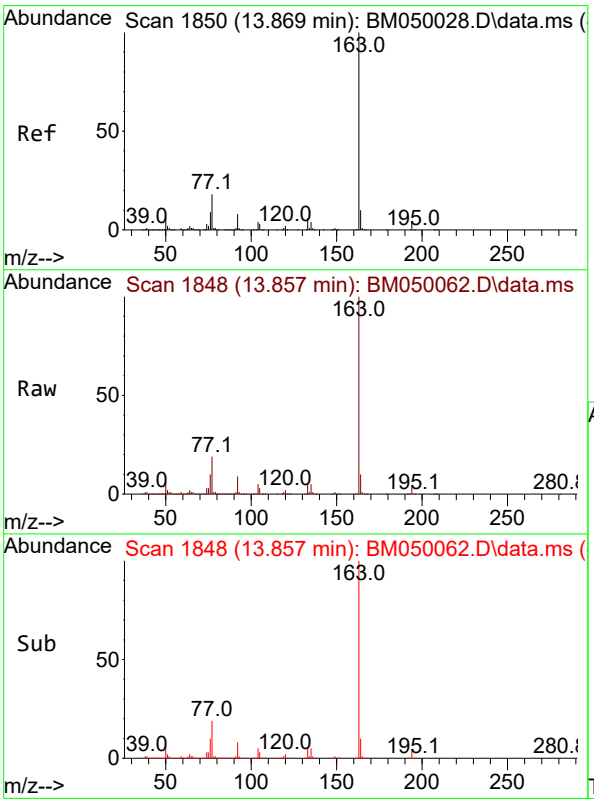
#49
Acenaphthylene
Concen: 43.552 ng
RT: 14.116 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 2573916

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	13.3	10.6	15.8

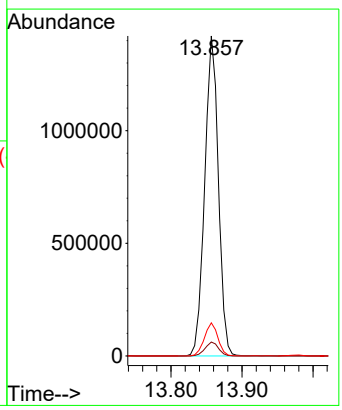


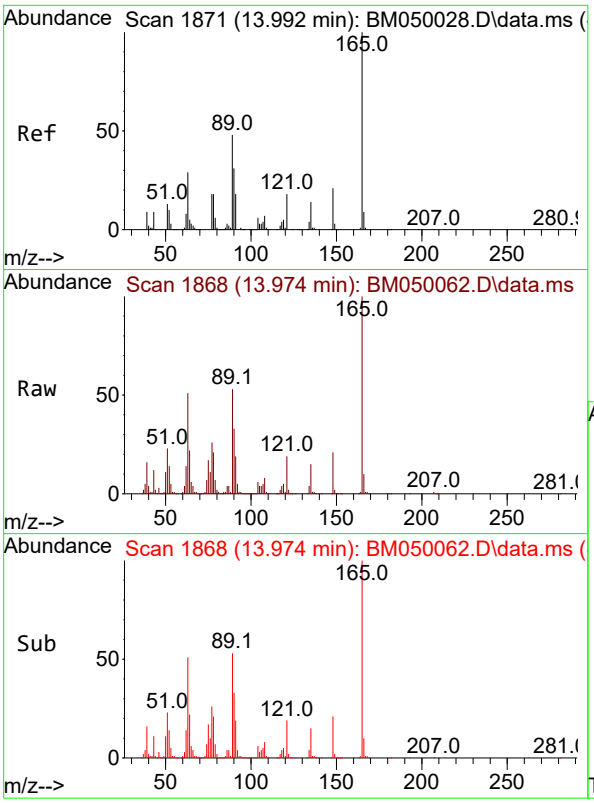


#50
Dimethylphthalate
Concen: 40.885 ng
RT: 13.857 min Scan# 1848
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:163 Resp: 1902354

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.3	8.2	12.2



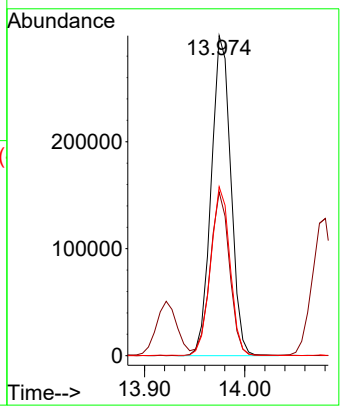


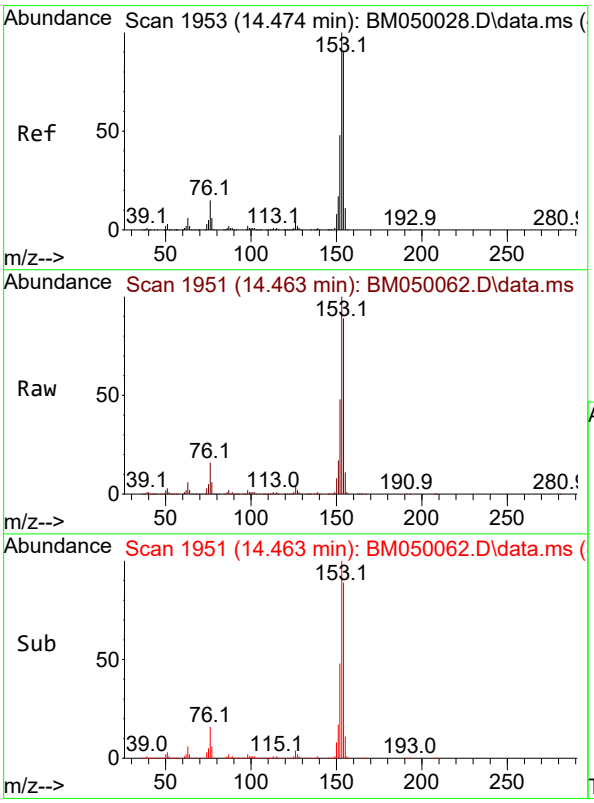
#51
2,6-Dinitrotoluene
Concen: 42.111 ng
RT: 13.974 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 405683

Ion	Ratio	Lower	Upper
165	100		
63	51.1	35.1	52.7
89	52.8	38.4	57.6

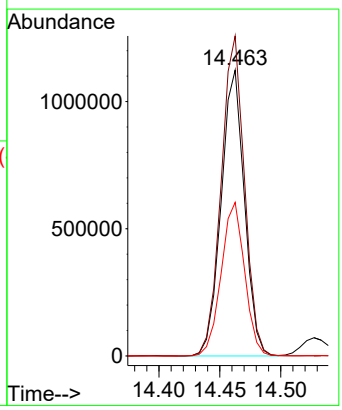


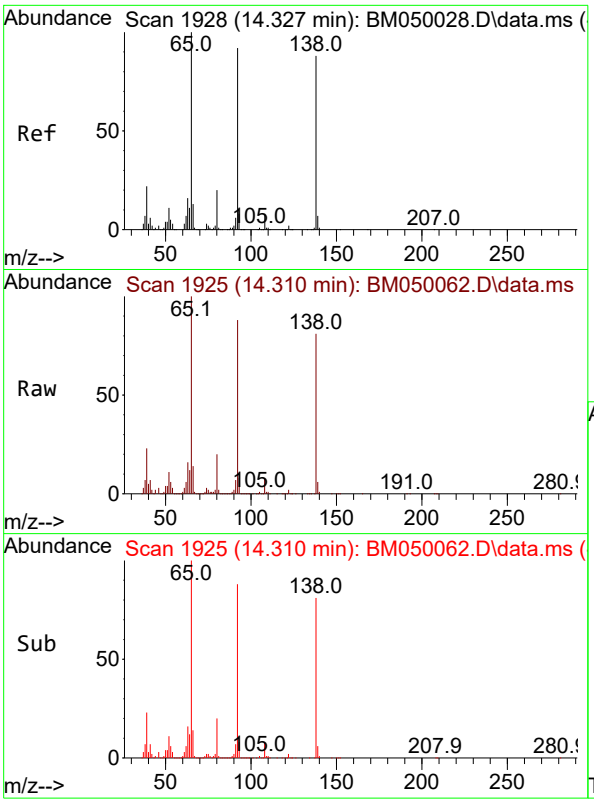


#52
Acenaphthene
Concen: 43.665 ng
RT: 14.463 min Scan# 1951
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:154 Resp: 1493734

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.0	133.4
152	53.7	43.0	64.6



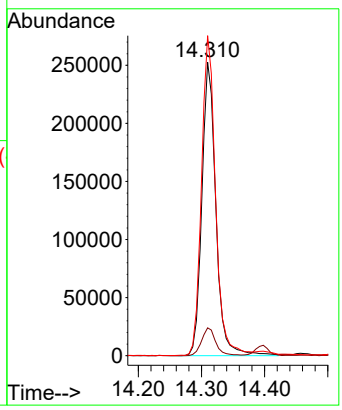


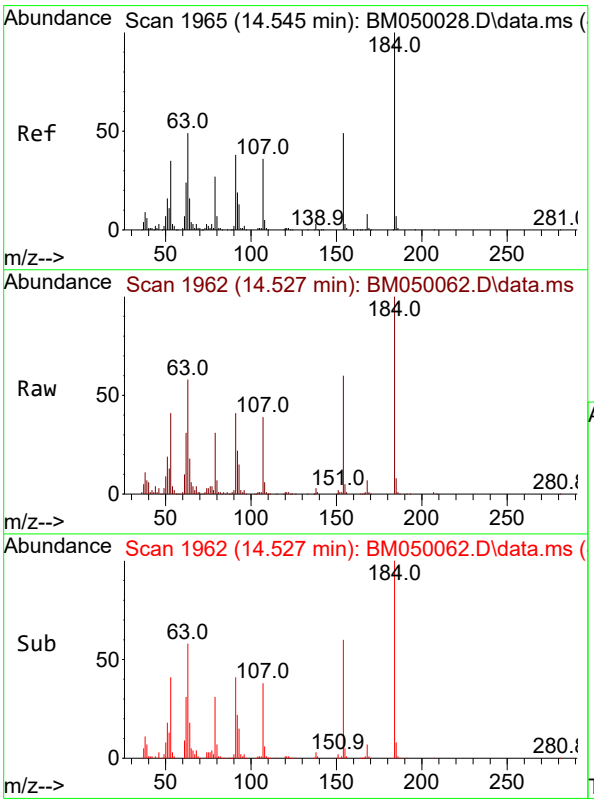
#53
3-Nitroaniline
Concen: 42.458 ng
RT: 14.310 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 390509

Ion	Ratio	Lower	Upper
138	100		
108	9.5	7.4	11.2
92	109.0	84.0	126.0

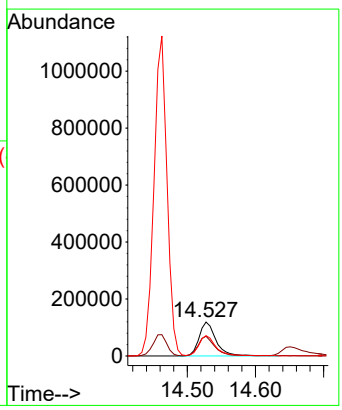


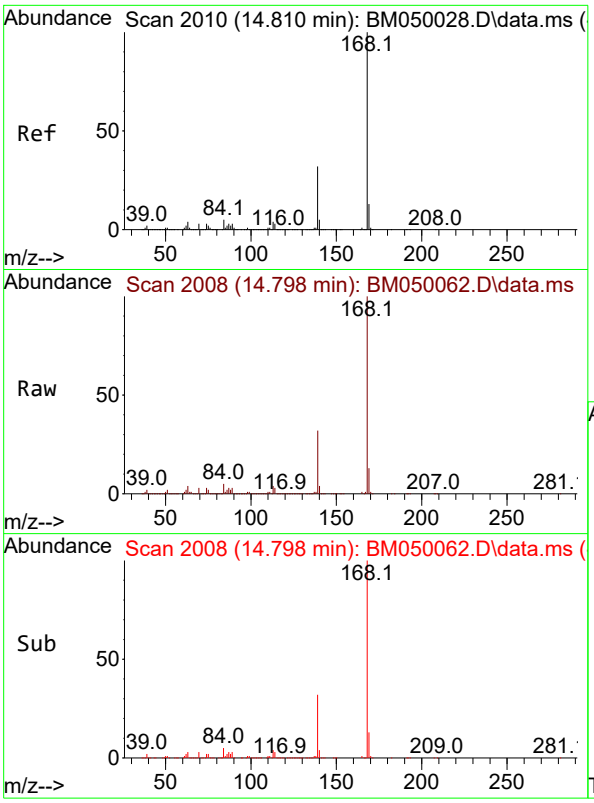


#54
2,4-Dinitrophenol
Concen: 36.611 ng
RT: 14.527 min Scan# 1962
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:184 Resp: 205027

Ion	Ratio	Lower	Upper
184	100		
63	58.0	39.8	59.6
154	60.0	46.1	69.1



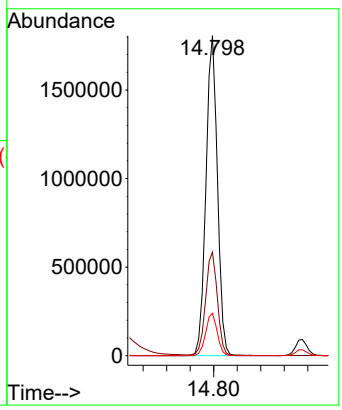


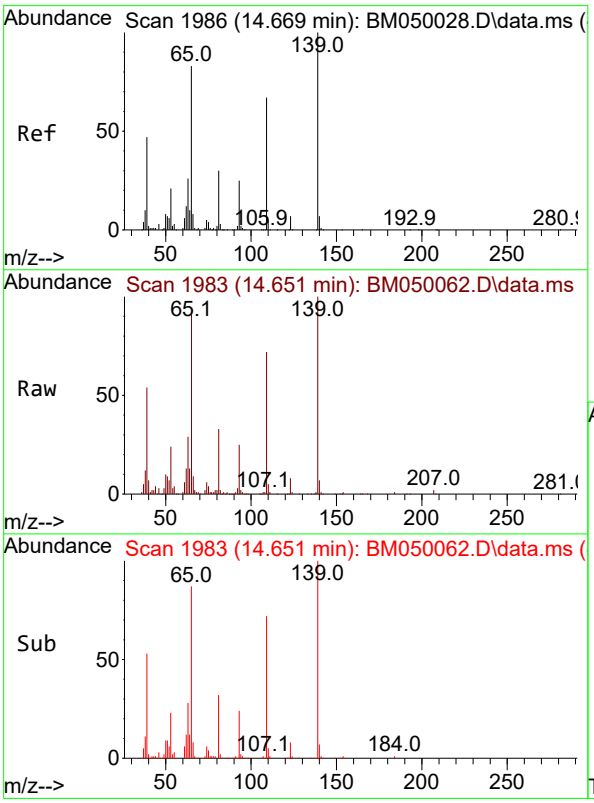
#55
Dibenzofuran
Concen: 42.931 ng
RT: 14.798 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 2443491

Ion	Ratio	Lower	Upper
168	100		
139	32.4	26.1	39.1
169	13.3	10.8	16.2

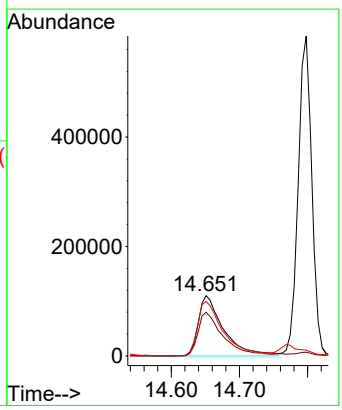


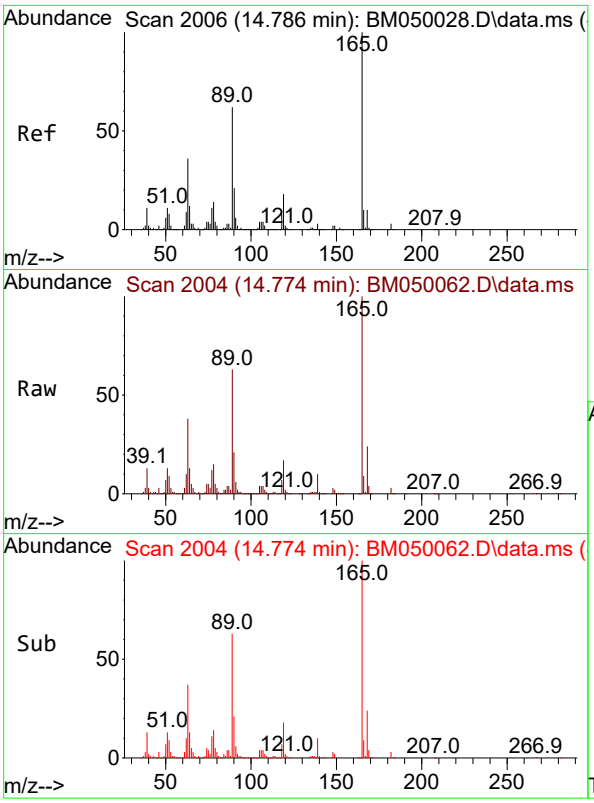


#56
4-Nitrophenol
Concen: 40.165 ng
RT: 14.651 min Scan# 1983
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:139 Resp: 282631

Ion	Ratio	Lower	Upper
139	100		
109	72.4	47.0	87.0
65	90.6	64.3	104.3



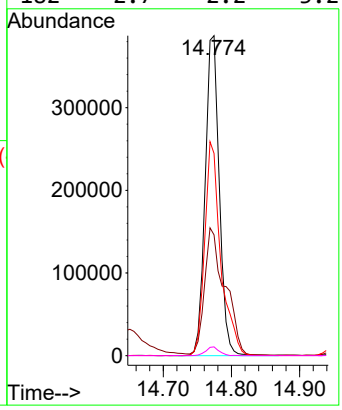


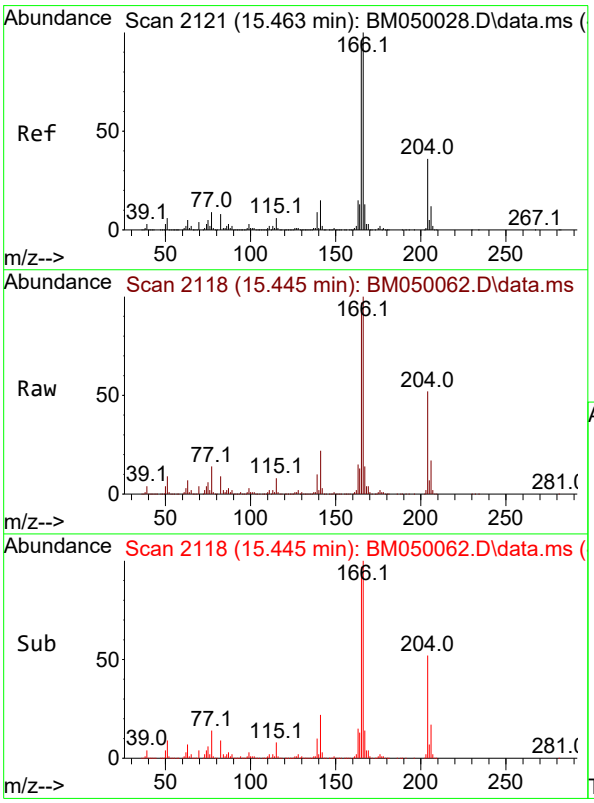
#57
2,4-Dinitrotoluene
Concen: 41.948 ng
RT: 14.774 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 558403

Ion	Ratio	Lower	Upper
165	100		
63	37.7	29.0	43.6
89	63.2	49.4	74.2
182	2.7	2.2	3.2

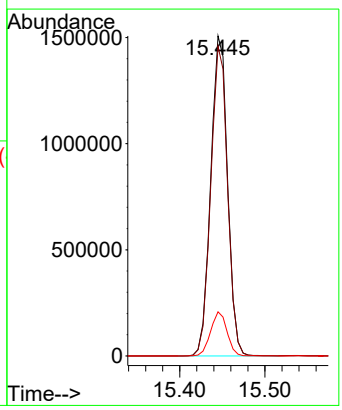


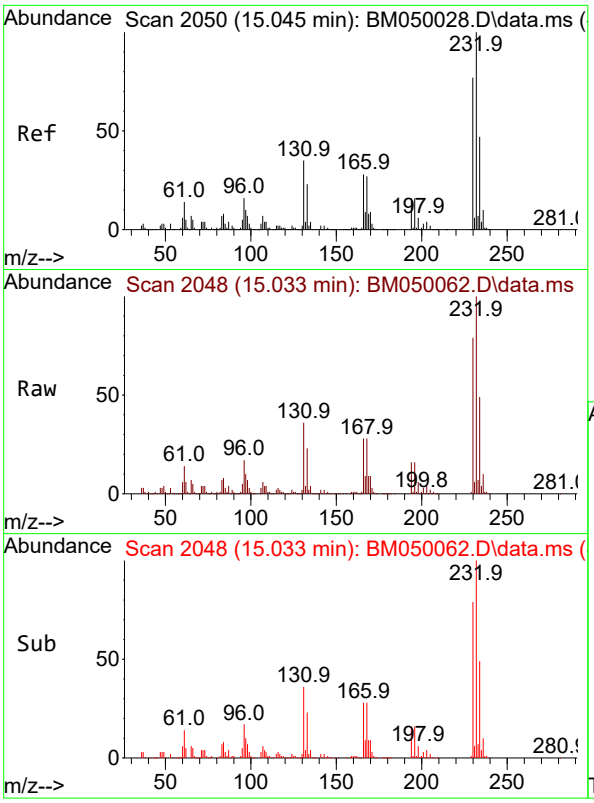


#58
Fluorene
Concen: 44.327 ng
RT: 15.445 min Scan# 2118
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:166 Resp: 2065086

Ion	Ratio	Lower	Upper
166	100		
165	96.8	76.6	115.0
167	13.8	10.6	16.0



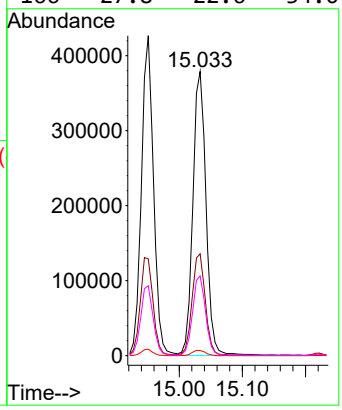


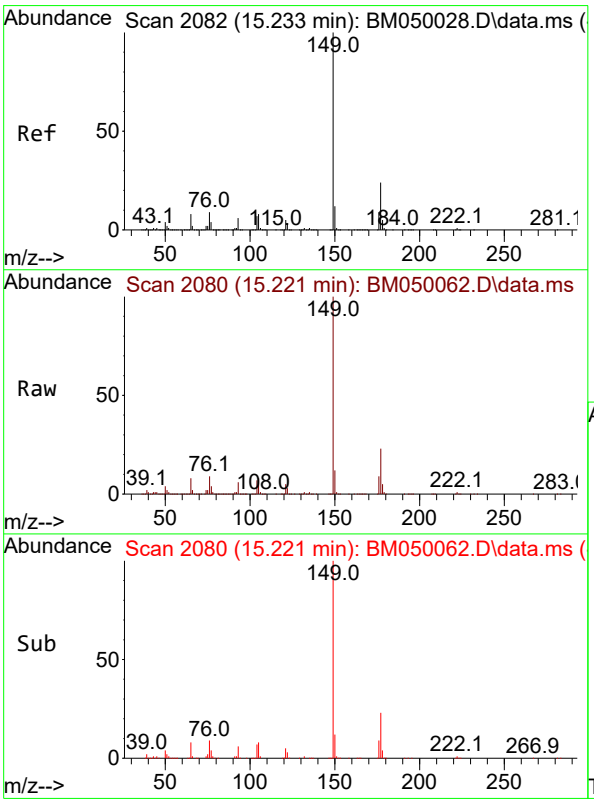
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.828 ng
RT: 15.033 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 545793

Ion	Ratio	Lower	Upper
232	100		
131	36.4	28.2	42.4
130	1.9	1.5	2.3
166	27.8	22.6	34.0

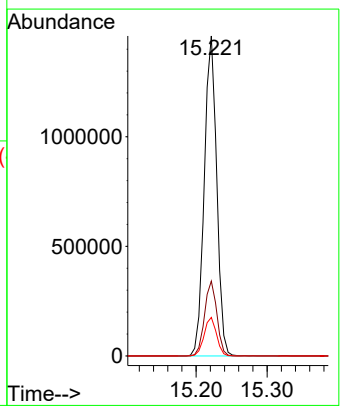


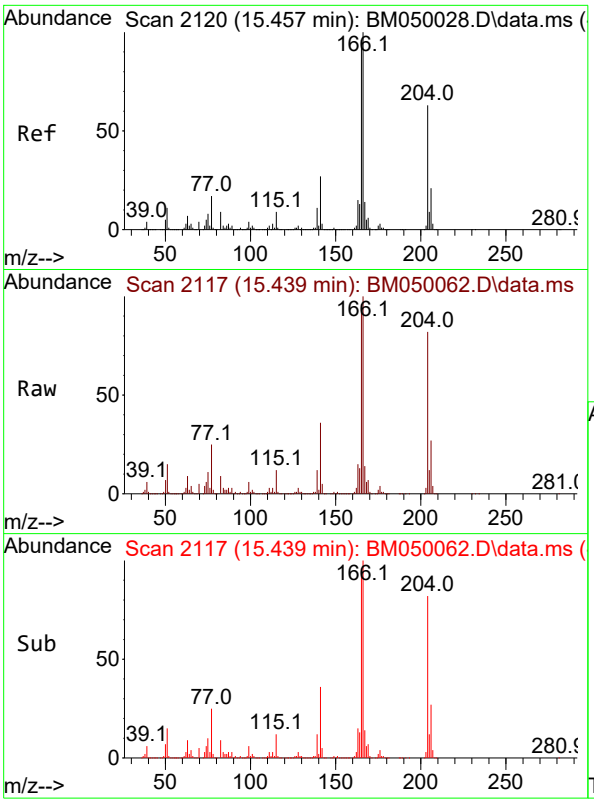


#60
Diethylphthalate
Concen: 40.589 ng
RT: 15.221 min Scan# 2080
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:149 Resp: 1779559

Ion	Ratio	Lower	Upper
149	100		
177	23.4	19.1	28.7
150	12.1	9.6	14.4



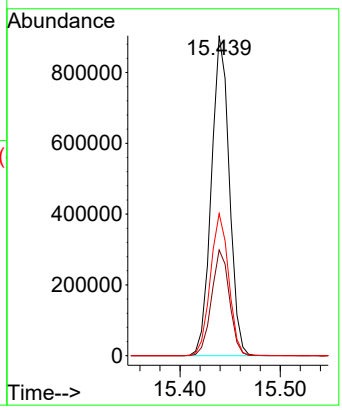


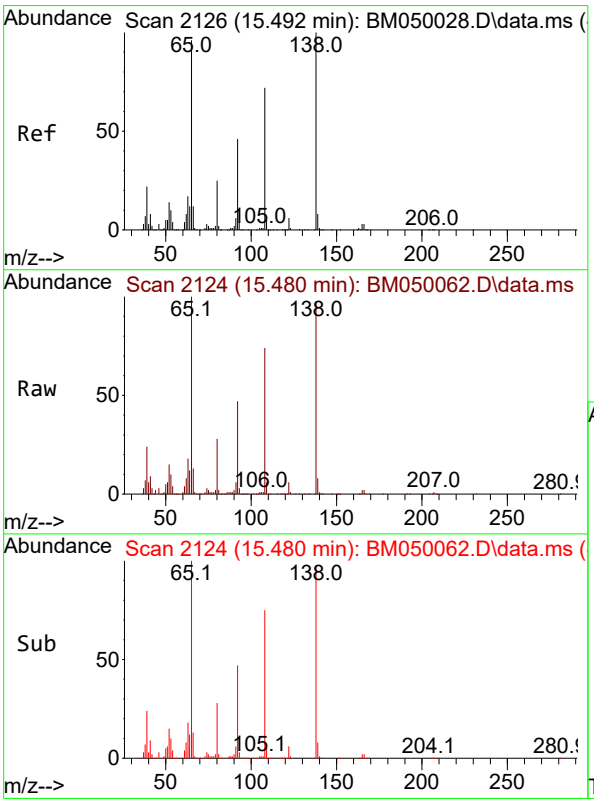
#61
4-Chlorophenyl-phenylether
Concen: 43.832 ng
RT: 15.439 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 1121604

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.3	39.5
141	44.4	34.0	51.0

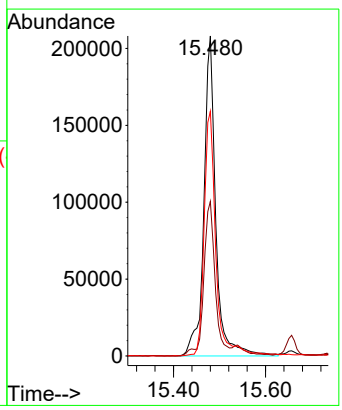


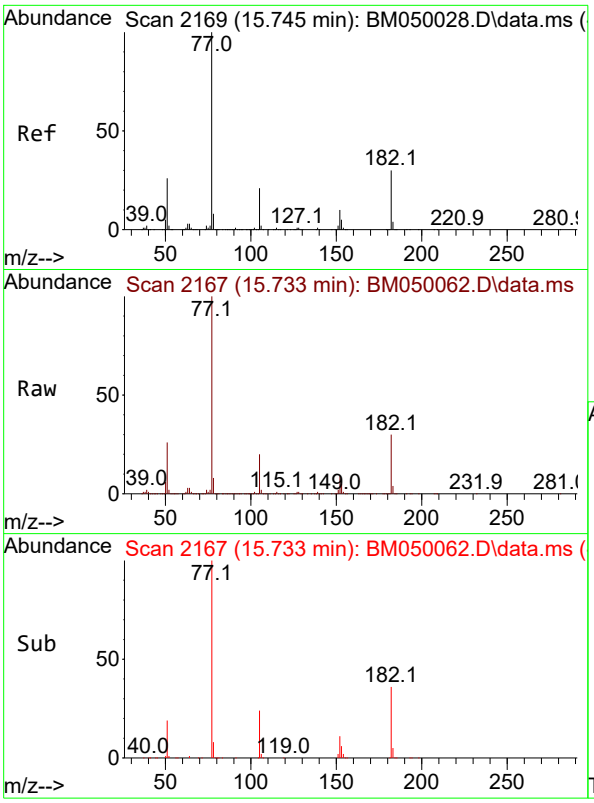


#62
4-Nitroaniline
Concen: 42.437 ng
RT: 15.480 min Scan# 2124
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:138 Resp: 376575

Ion	Ratio	Lower	Upper
138	100		
92	48.3	25.9	65.9
108	76.4	52.4	92.4



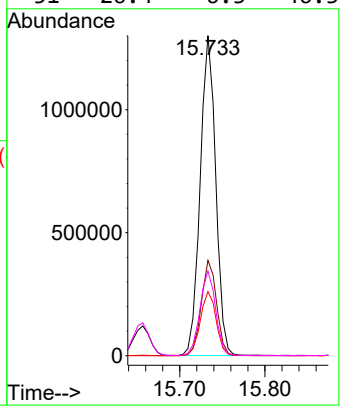


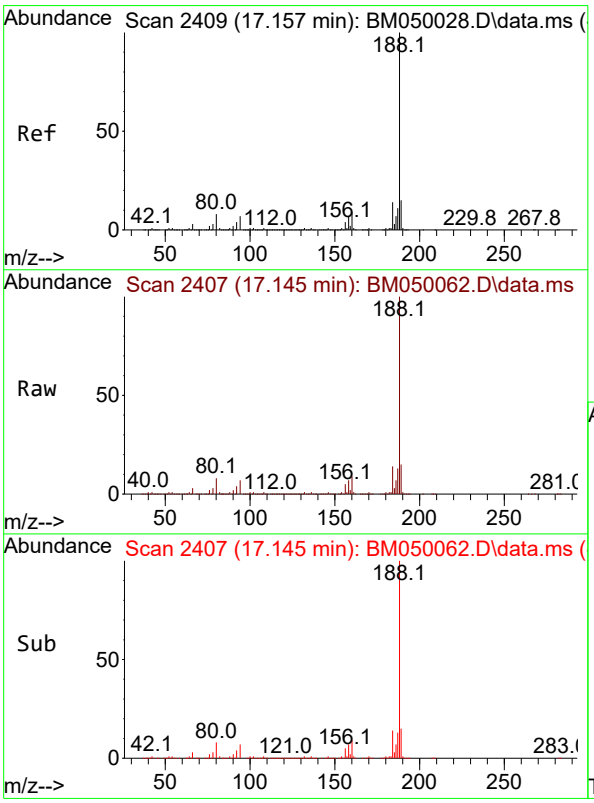
#63
Azobenzene
Concen: 44.796 ng
RT: 15.733 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1645970

Ion	Ratio	Lower	Upper
77	100		
182	29.8	10.5	50.5
105	20.0	1.1	41.1
51	26.4	6.3	46.3

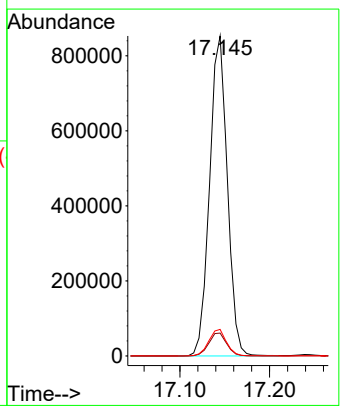


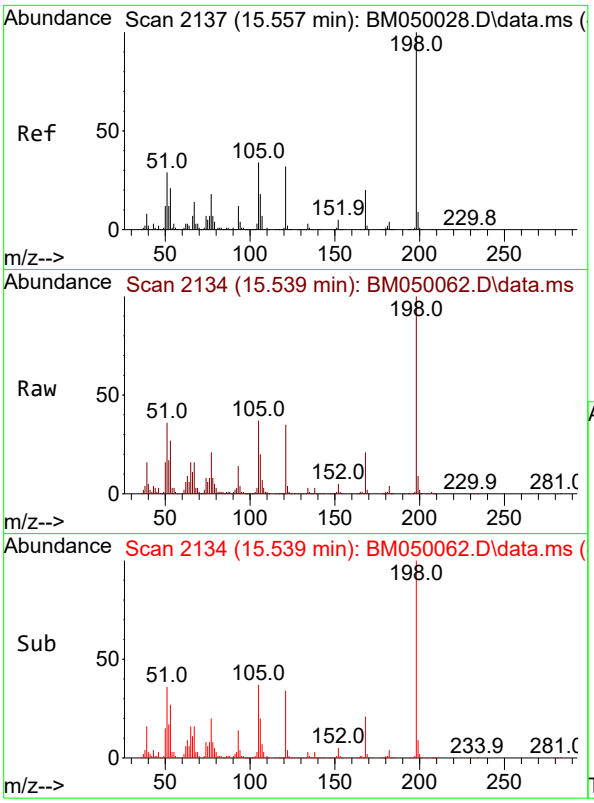


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:188 Resp: 1171488

Ion	Ratio	Lower	Upper
188	100		
94	7.1	5.7	8.5
80	8.3	6.2	9.4



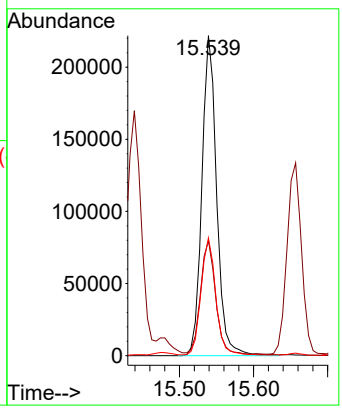


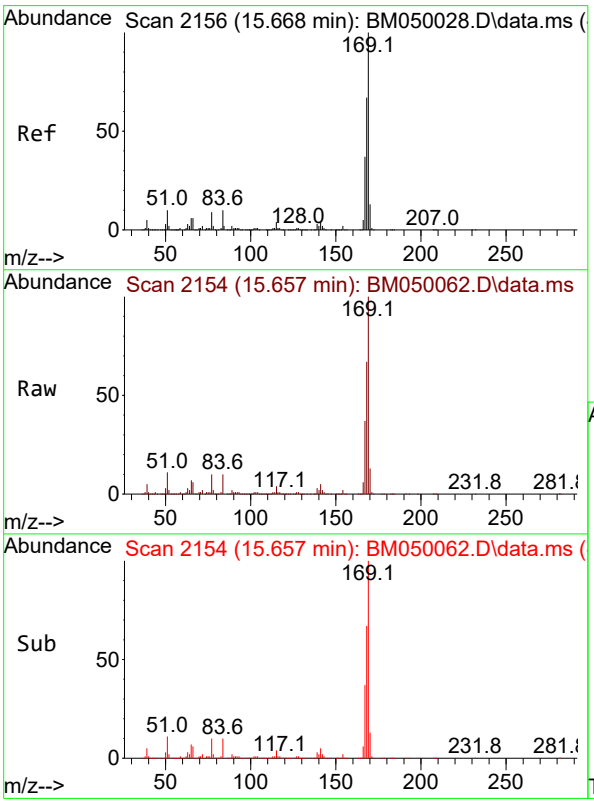
#65
4,6-Dinitro-2-methylphenol
Concen: 41.909 ng
RT: 15.539 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 307321

Ion	Ratio	Lower	Upper
198	100		
51	35.9	10.4	50.4
105	36.8	14.6	54.6

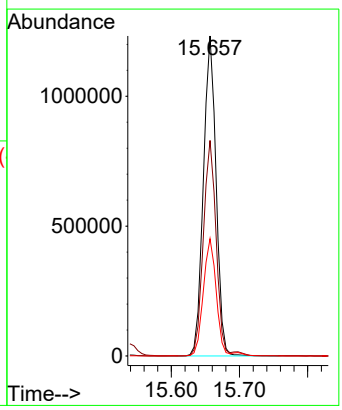


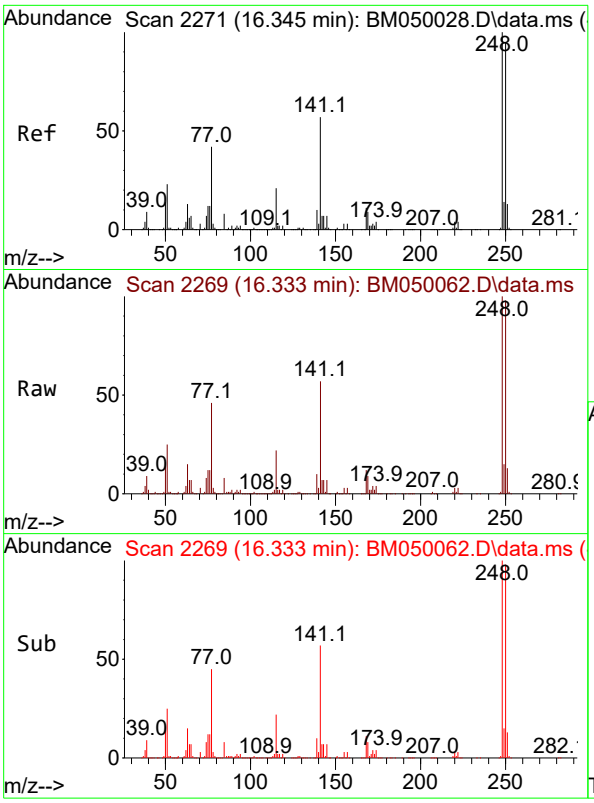


#66
n-Nitrosodiphenylamine
Concen: 44.430 ng
RT: 15.657 min Scan# 2154
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:169 Resp: 1598289

Ion	Ratio	Lower	Upper
169	100		
168	67.3	53.4	80.2
167	36.7	29.4	44.0



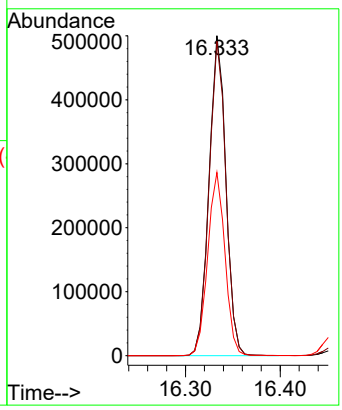


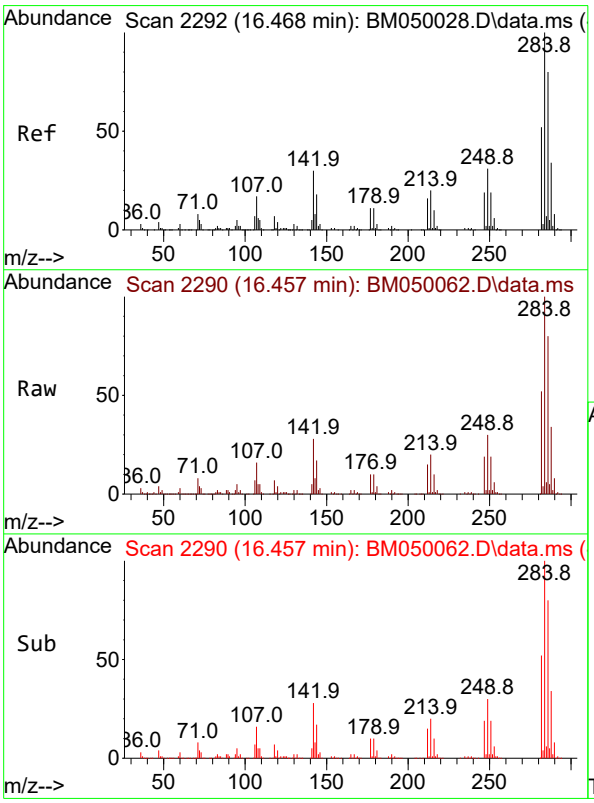
#67
4-Bromophenyl-phenylether
Concen: 43.643 ng
RT: 16.333 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 618264

Ion	Ratio	Lower	Upper
248	100		
250	98.2	76.2	114.2
141	57.3	45.9	68.9

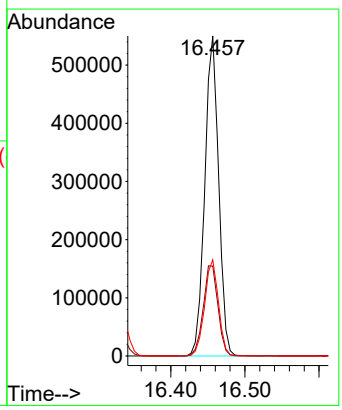


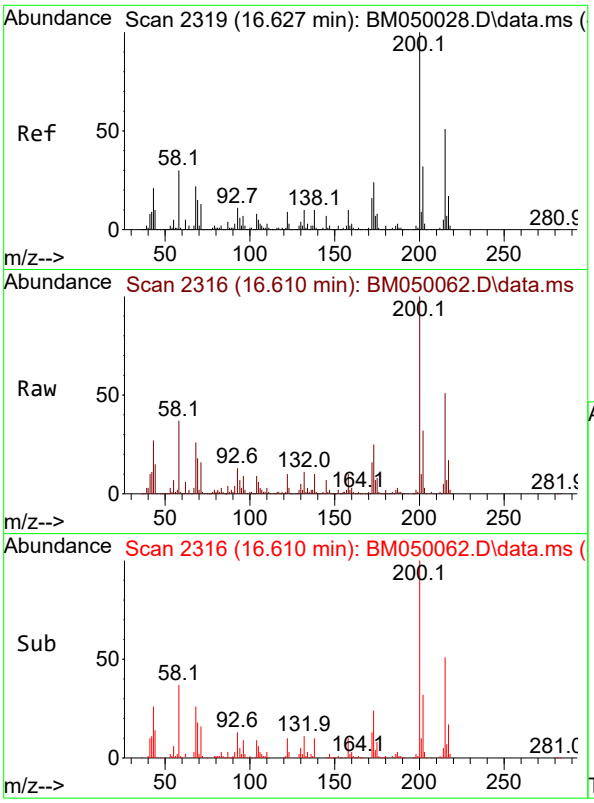


#68
Hexachlorobenzene
Concen: 43.718 ng
RT: 16.457 min Scan# 2290
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:284 Resp: 713913

Ion	Ratio	Lower	Upper
284	100		
142	28.1	23.9	35.9
249	30.0	24.5	36.7



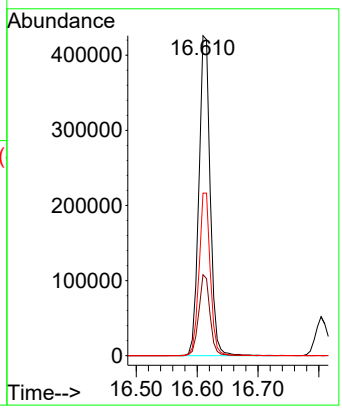


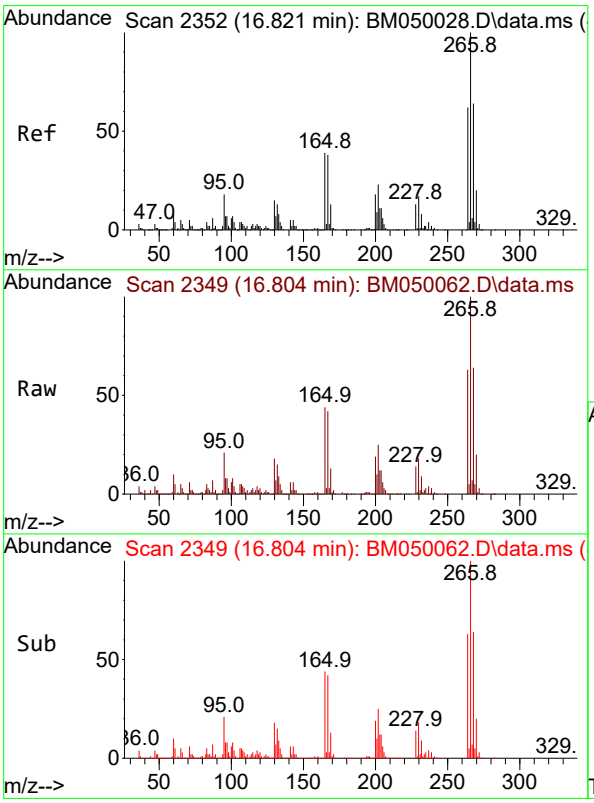
#69
Atrazine
Concen: 42.423 ng
RT: 16.610 min Scan# 2
Delta R.T. -0.017 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 550481

Ion	Ratio	Lower	Upper
200	100		
173	25.3	4.3	44.3
215	50.8	30.6	70.6

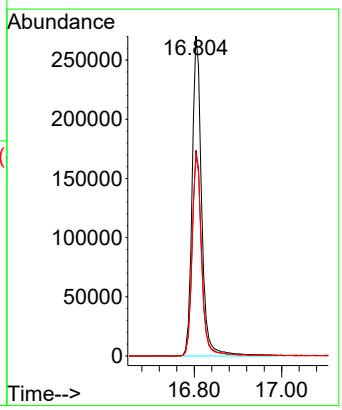


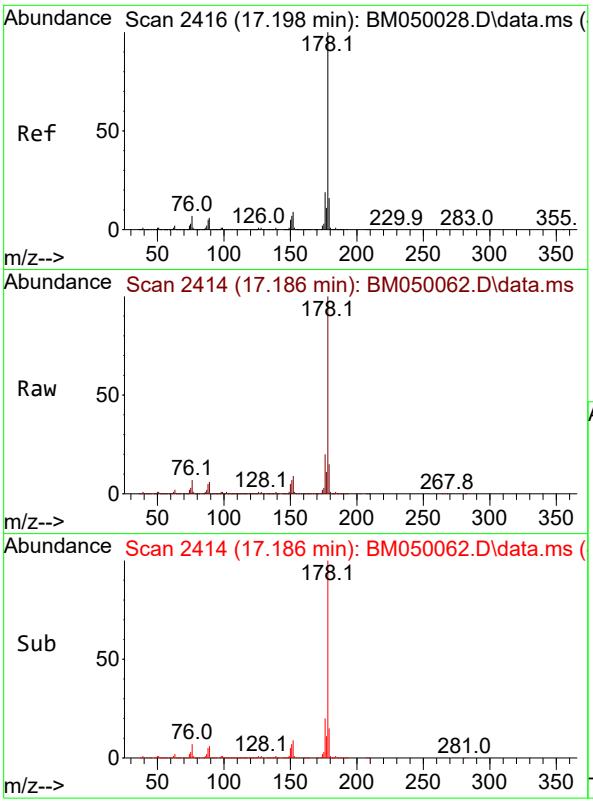


#70
Pentachlorophenol
Concen: 44.419 ng
RT: 16.804 min Scan# 2349
Delta R.T. -0.017 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:266 Resp: 408293

Ion	Ratio	Lower	Upper
266	100		
268	64.3	51.2	76.8
264	62.7	49.6	74.4



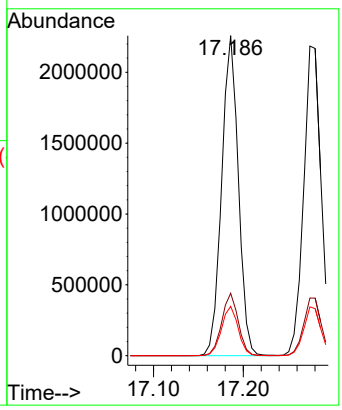


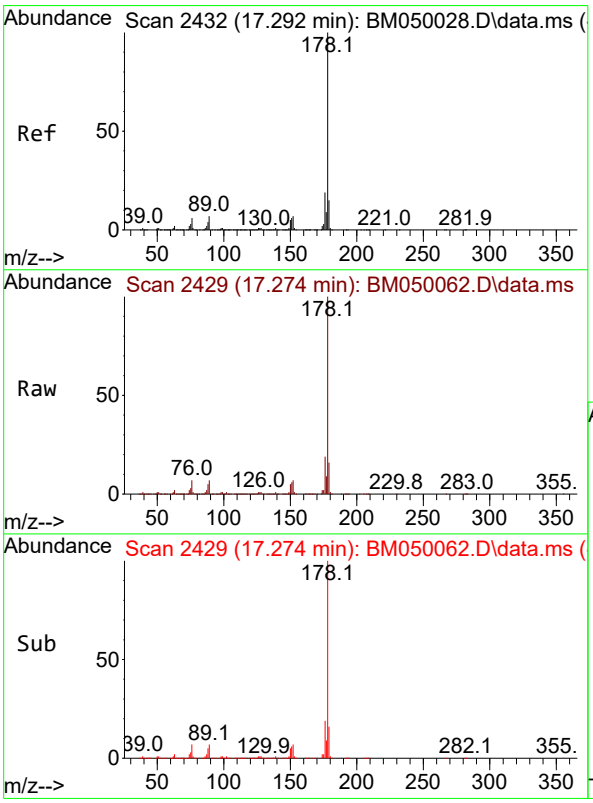
#71
Phenanthrene
Concen: 44.128 ng
RT: 17.186 min Scan# 24
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 2915695

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	15.4	12.4	18.6

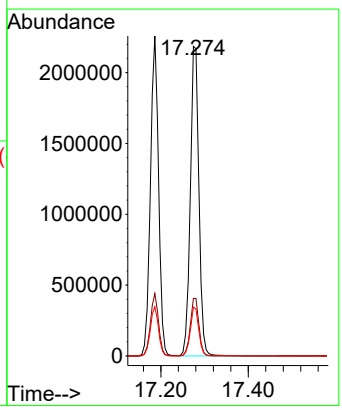


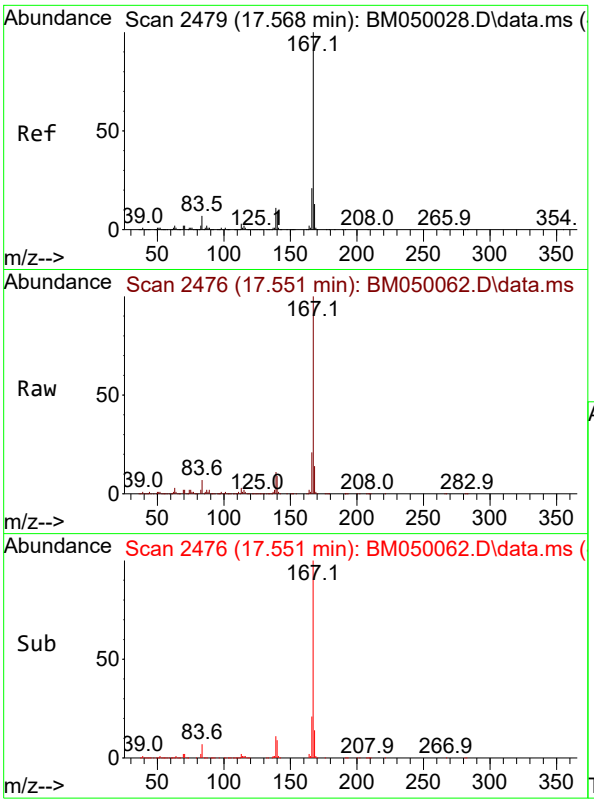


#72
Anthracene
Concen: 44.637 ng
RT: 17.274 min Scan# 2429
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:178 Resp: 2984695

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.8	12.2	18.4



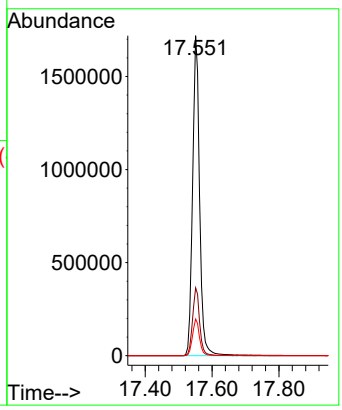


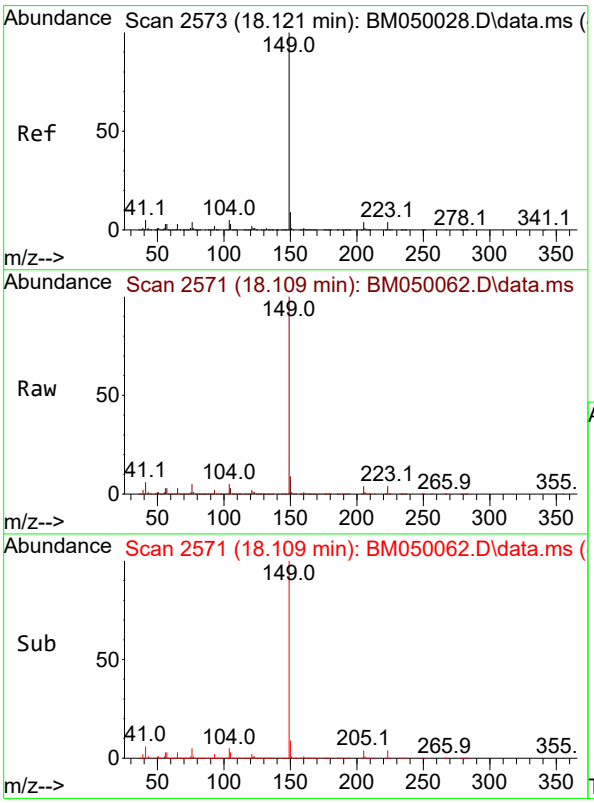
#73
Carbazole
Concen: 43.390 ng
RT: 17.551 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 2517620

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.2	25.8
139	11.5	9.0	13.6

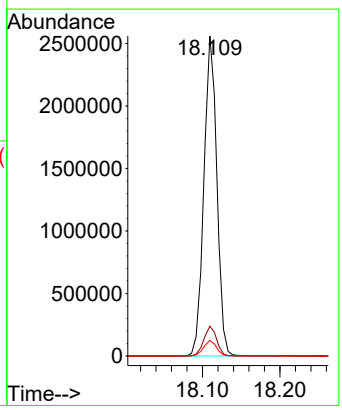


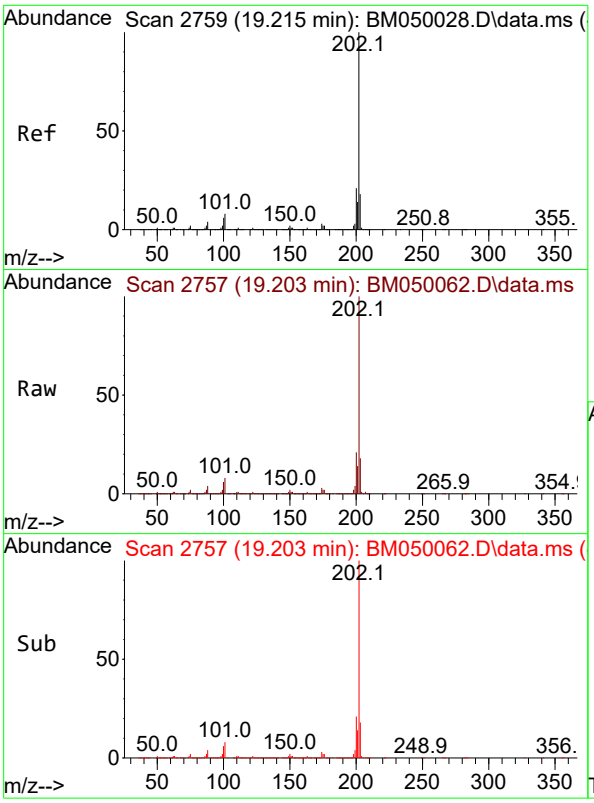


#74
Di-n-butylphthalate
Concen: 42.938 ng
RT: 18.109 min Scan# 2571
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:149 Resp: 2966936

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	4.9	3.8	5.6



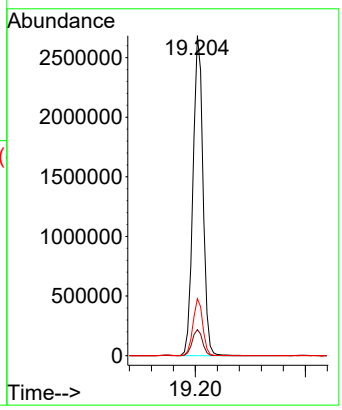


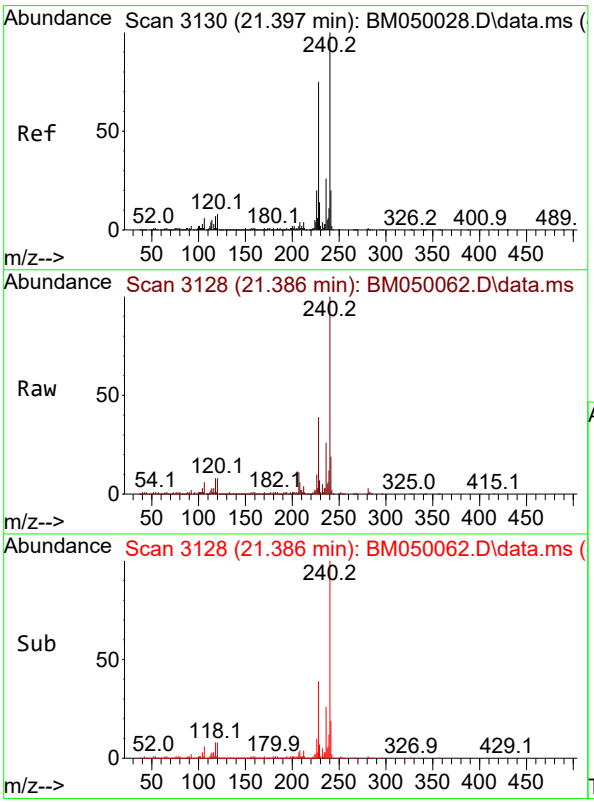
#75
Fluoranthene
Concen: 43.496 ng
RT: 19.203 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 3374127

Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	28.0
203	17.8	0.0	37.7

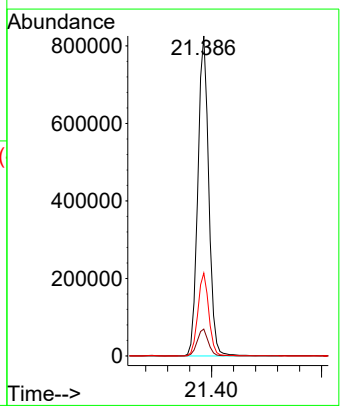


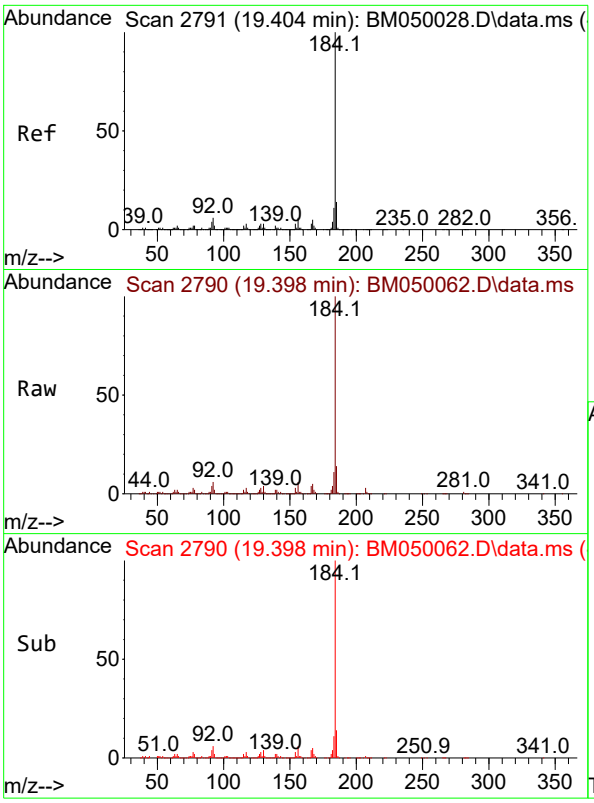


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.011 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:240 Resp: 1137064

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.5	9.7
236	25.9	20.9	31.3



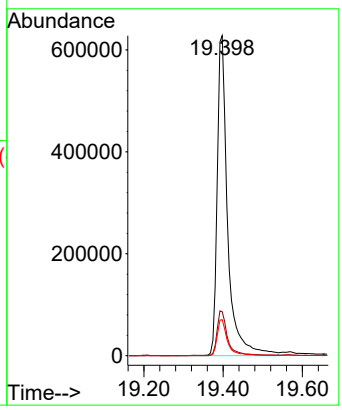


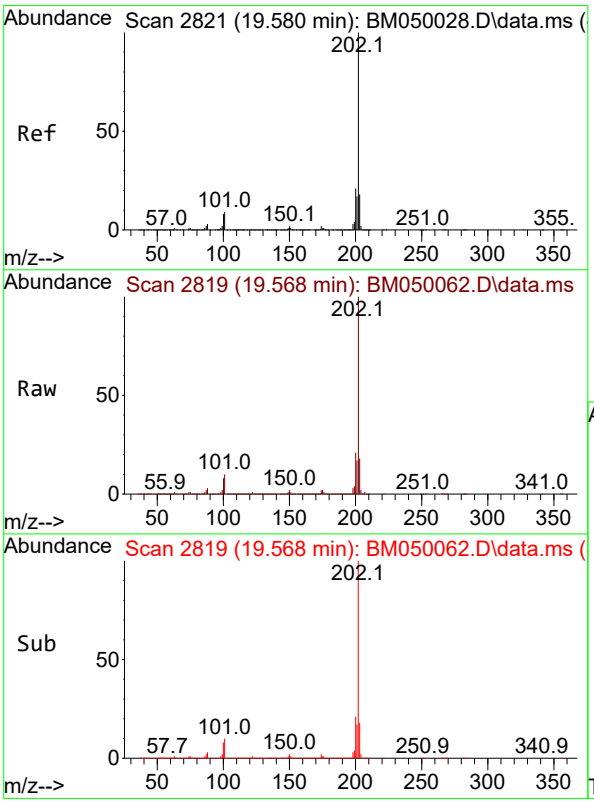
#77
Benzidine
Concen: 28.568 ng
RT: 19.398 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 1153850

Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.5	17.3
183	11.3	8.9	13.3

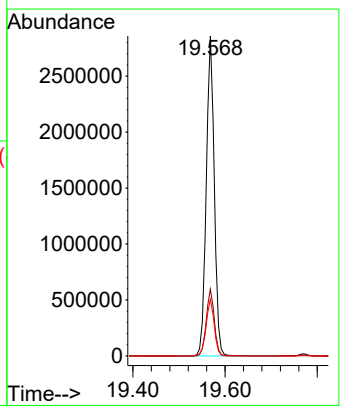


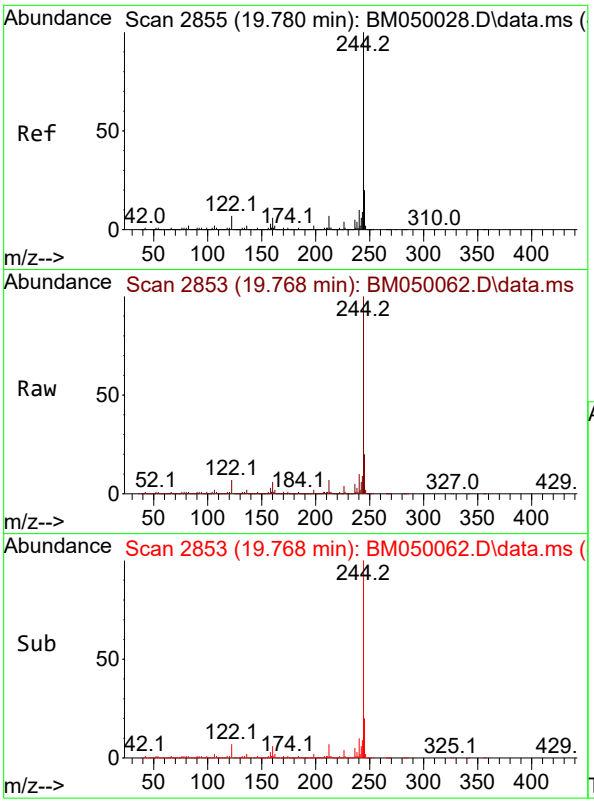


#78
Pyrene
Concen: 43.763 ng
RT: 19.568 min Scan# 2819
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:202 Resp: 3494418

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.7	14.1	21.1



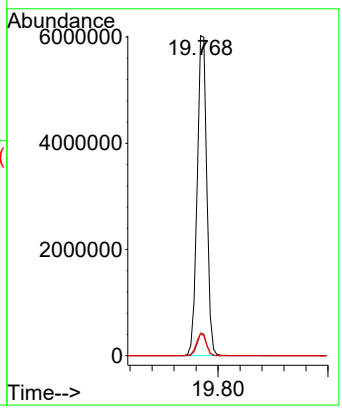


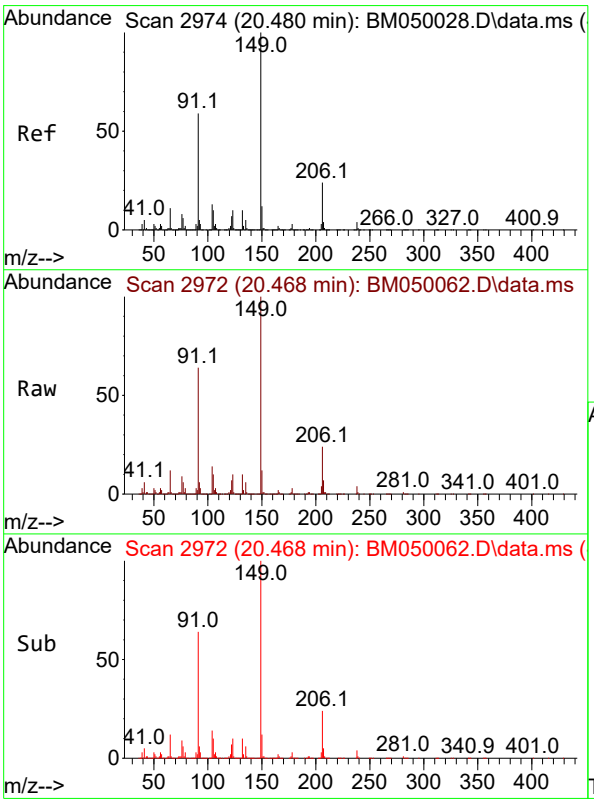
#79
Terphenyl-d14
Concen: 95.048 ng
RT: 19.768 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 7303717

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	7.0	5.6	8.4

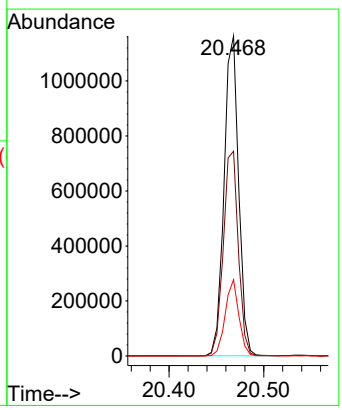


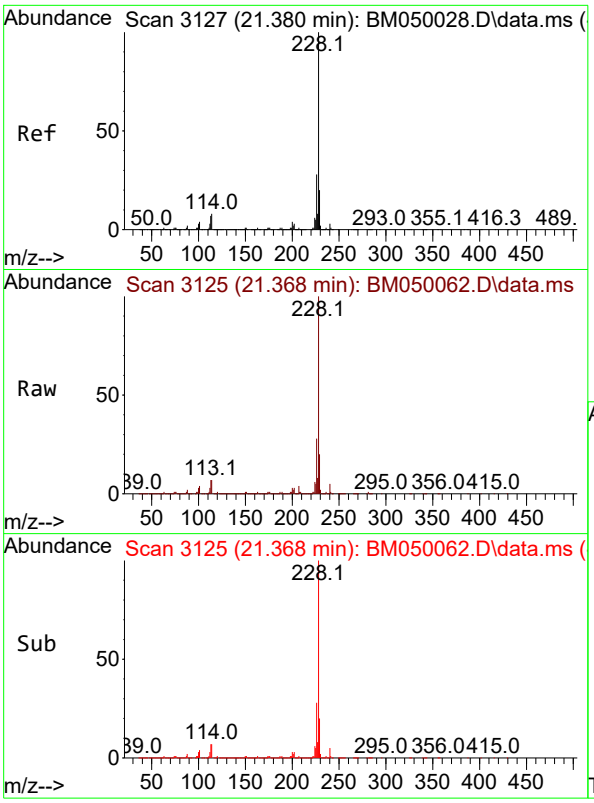


#80
Butylbenzylphthalate
Concen: 41.763 ng
RT: 20.468 min Scan# 2972
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:149 Resp: 1248988

Ion	Ratio	Lower	Upper
149	100		
91	64.0	47.4	71.2
206	23.9	19.4	29.0



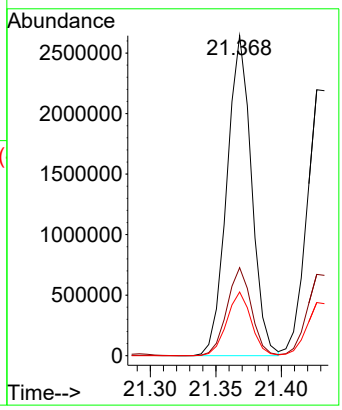


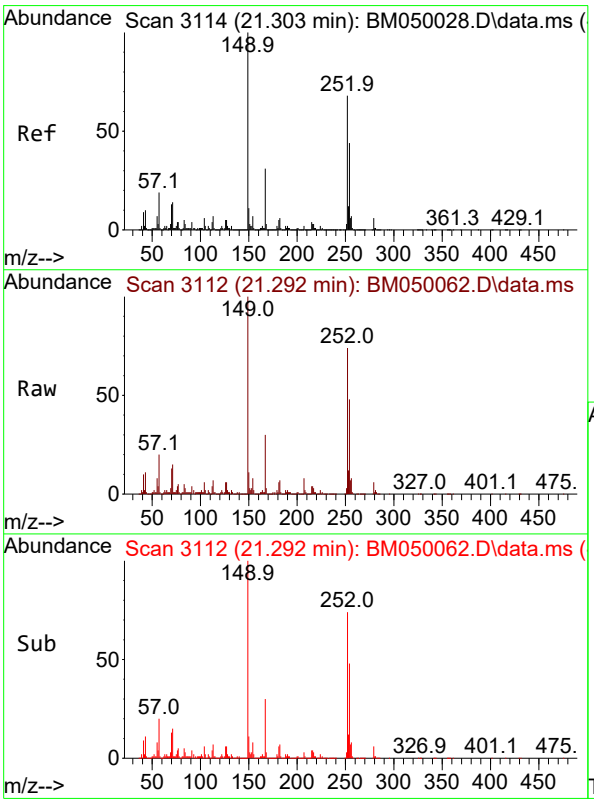
#81
Benzo(a)anthracene
Concen: 44.135 ng
RT: 21.368 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 3455861

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.1	33.1
229	19.9	15.7	23.5

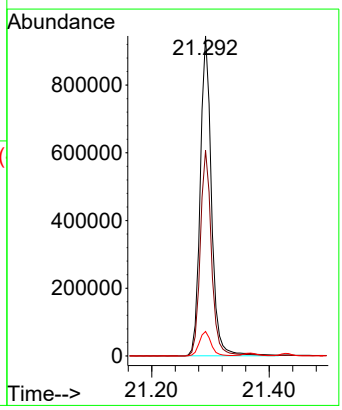


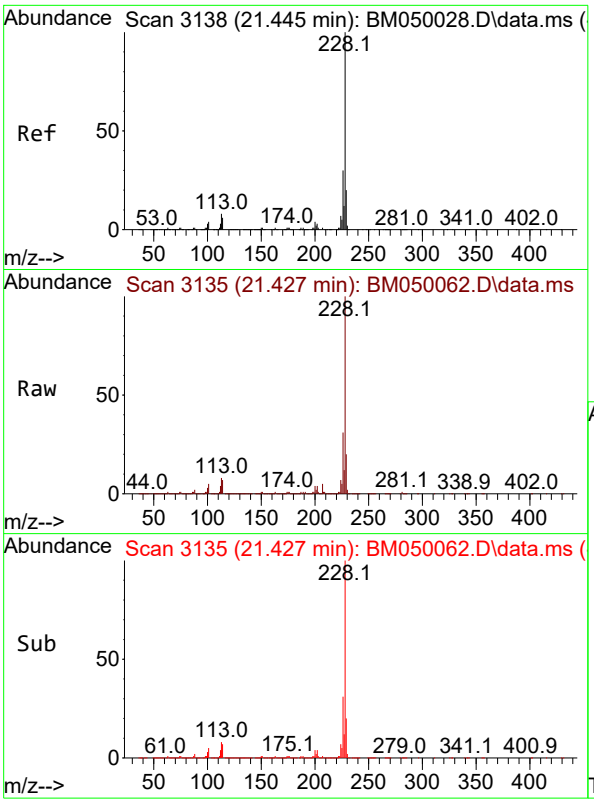


#82
3,3'-Dichlorobenzidine
Concen: 41.777 ng
RT: 21.292 min Scan# 3112
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:252 Resp: 1252229

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.8	77.6
126	7.7	6.0	9.0



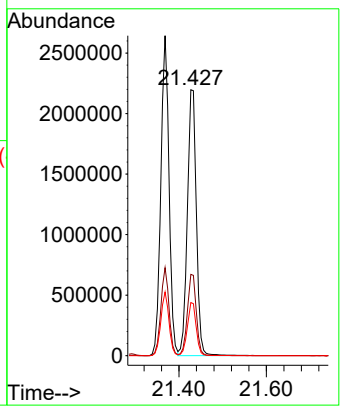


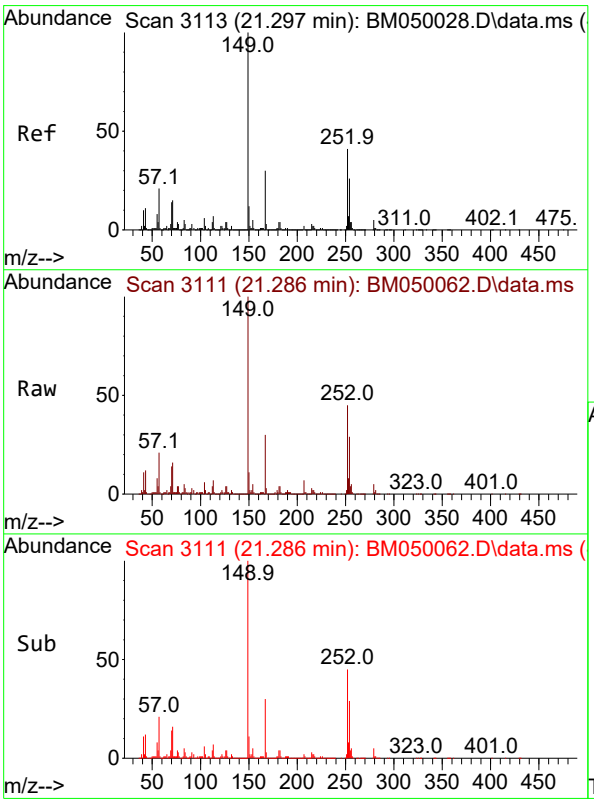
#83
Chrysene
Concen: 43.016 ng
RT: 21.427 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 3117333

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.2	36.2
229	20.0	15.7	23.5

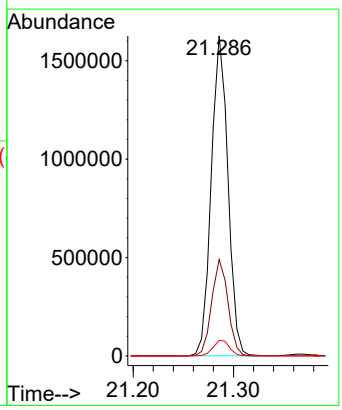


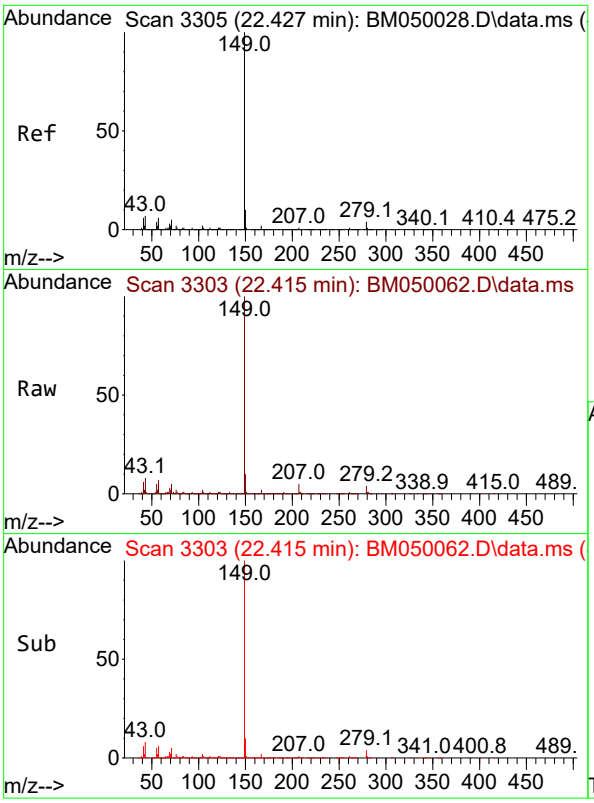


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.933 ng
RT: 21.286 min Scan# 3111
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:149 Resp: 1873155

Ion	Ratio	Lower	Upper
149	100		
167	30.1	24.1	36.1
279	4.9	3.9	5.9



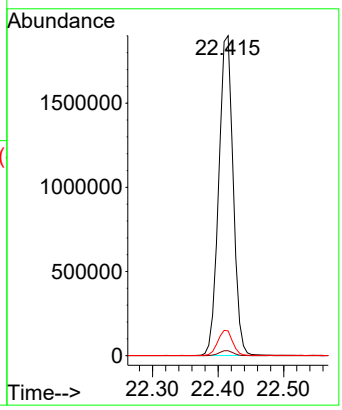


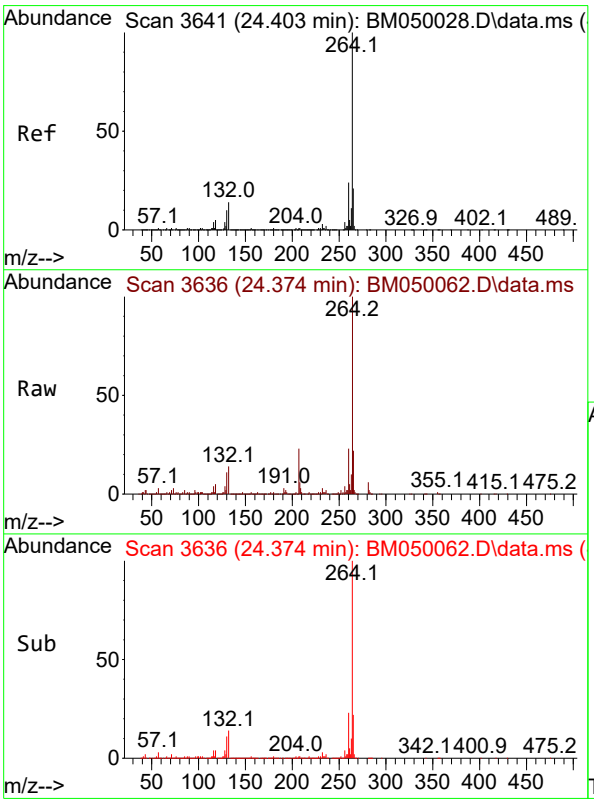
#85
Di-n-octyl phthalate
Concen: 39.233 ng
RT: 22.415 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 2890157

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.2	5.8	8.8

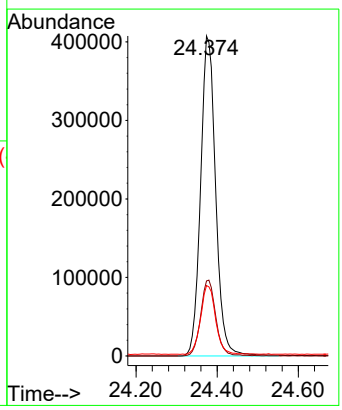


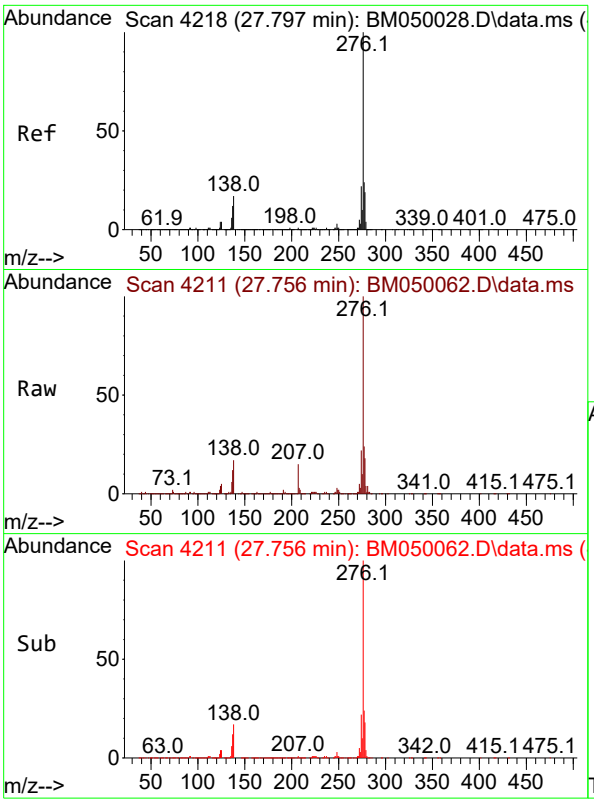


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 3636
Delta R.T. -0.029 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:264 Resp: 1050482

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.8	28.2
265	22.0	17.0	25.4



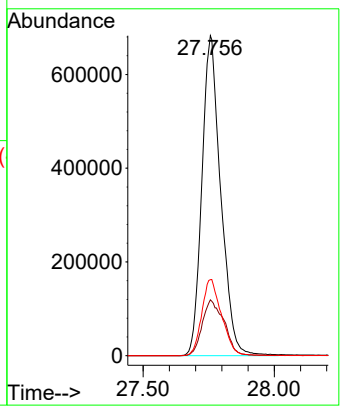


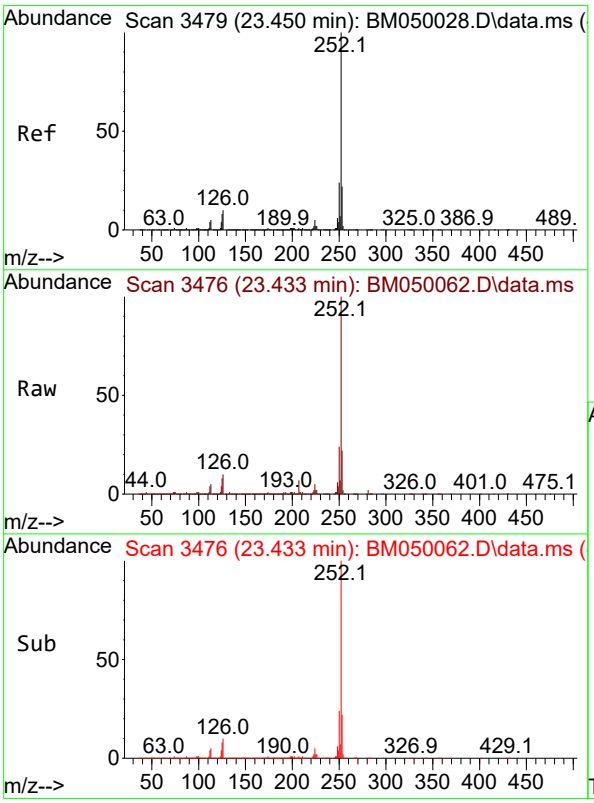
#87
Indeno(1,2,3-cd)pyrene
Concen: 43.491 ng
RT: 27.756 min Scan# 4
Delta R.T. -0.041 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 3404250

Ion	Ratio	Lower	Upper
276	100		
138	20.2	16.4	24.6
277	25.1	19.8	29.8

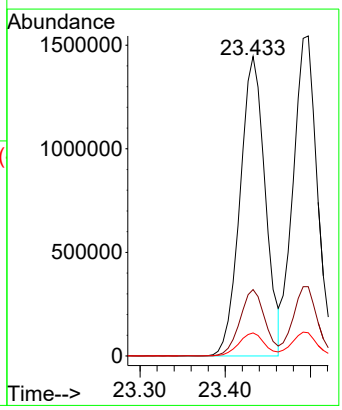


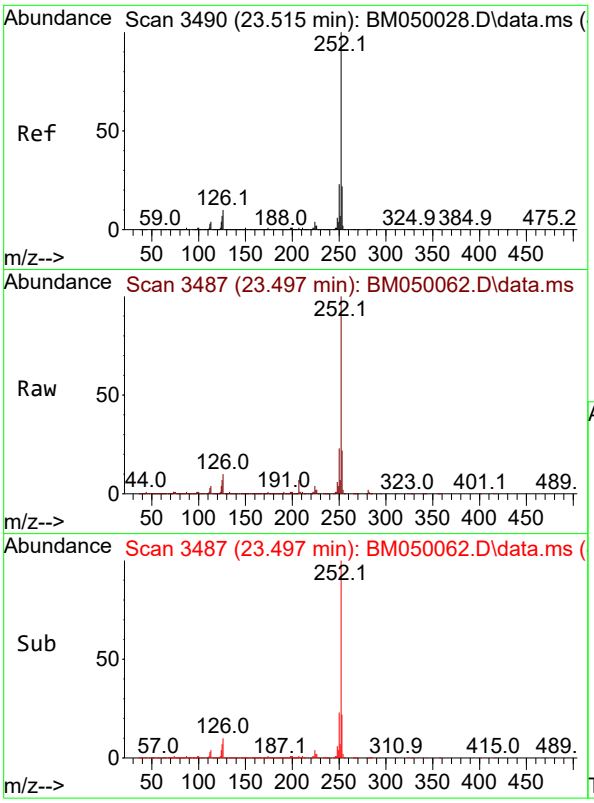


#88
Benzo(b)fluoranthene
Concen: 43.470 ng
RT: 23.433 min Scan# 3476
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:252 Resp: 2969664

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	7.7	6.1	9.1



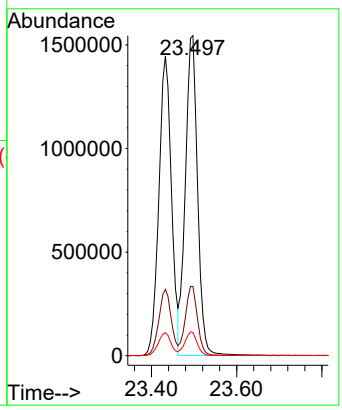


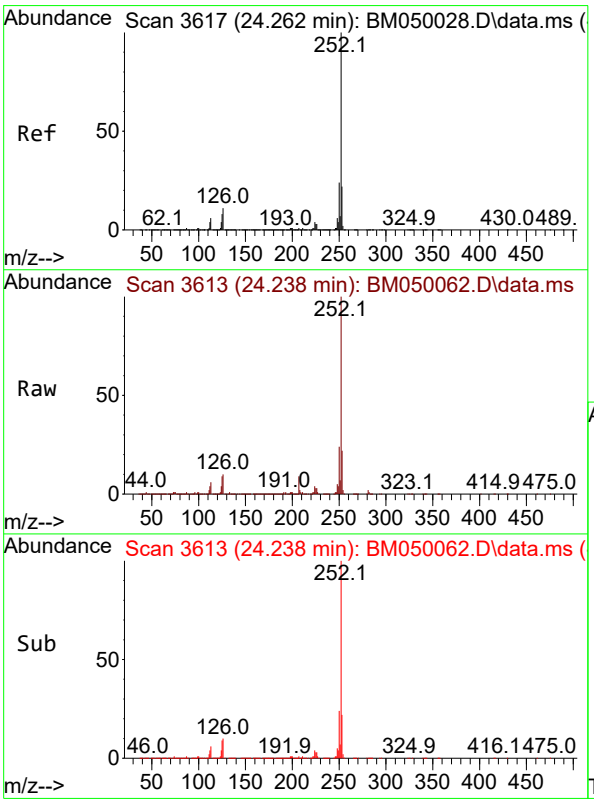
#89
Benzo(k)fluoranthene
Concen: 44.376 ng
RT: 23.497 min Scan# 34
Delta R.T. -0.018 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 3066550

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	7.2	5.8	8.8

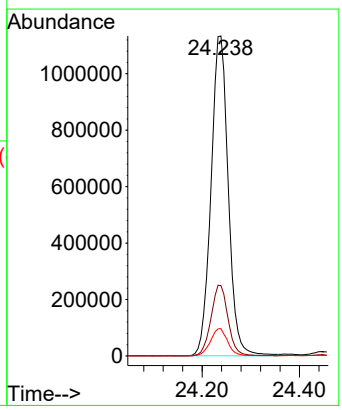


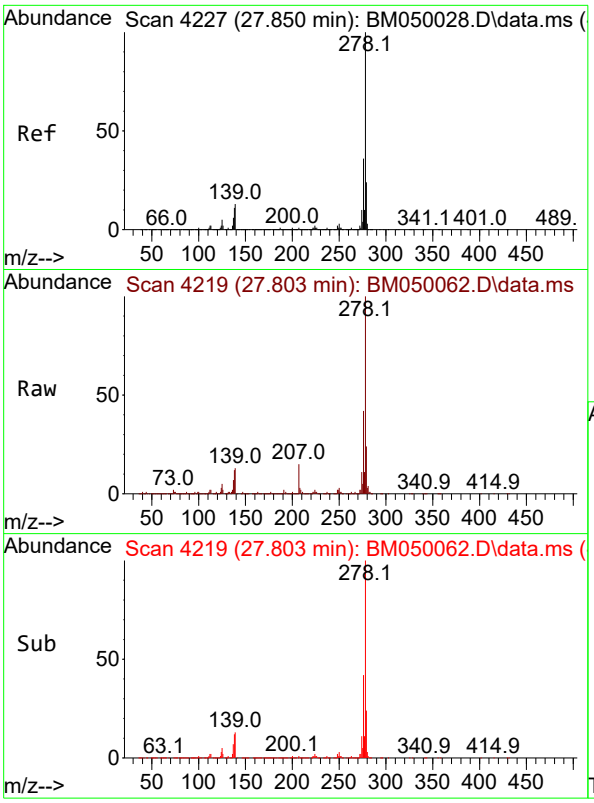


#90
Benzo(a)pyrene
Concen: 43.457 ng
RT: 24.238 min Scan# 3613
Delta R.T. -0.024 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:252 Resp: 2780579

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	8.5	6.6	9.8



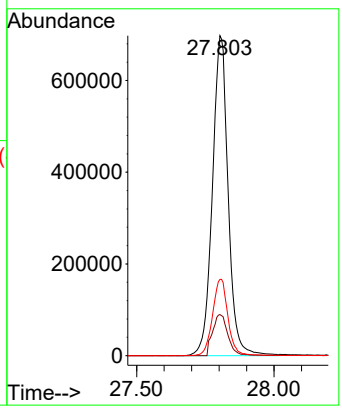


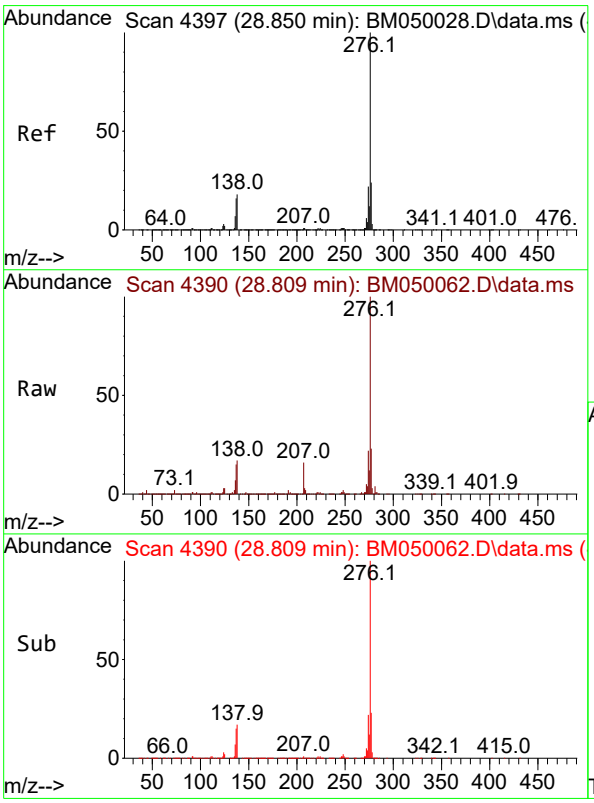
#91
Dibenzo(a,h)anthracene
Concen: 43.471 ng
RT: 27.803 min Scan# 4
Delta R.T. -0.047 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 2773732

Ion	Ratio	Lower	Upper
278	100		
139	12.9	10.5	15.7
279	23.8	19.4	29.0

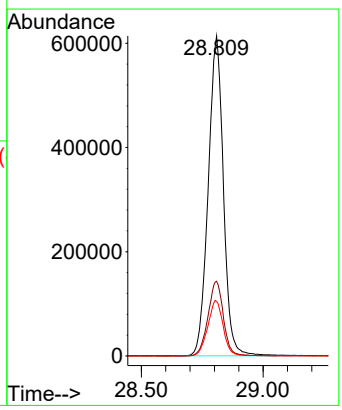




#92
Benzo(g,h,i)perylene
Concen: 43.389 ng
RT: 28.809 min Scan# 4390
Delta R.T. -0.041 min
Lab File: BM050062.D
Acq: 01 May 2025 13:25

Tgt Ion:276 Resp: 2650473

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.1	28.7
138	17.0	14.3	21.5



Sample Results: **BM050062.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050062.D
Acq On : 01 May 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 01 14:34:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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	137	-0.01
2		1,4-Dioxane	0.490	0.582	-18.8	155#	0.02
3		Pyridine	1.258	1.503	-19.5	154#	0.01
4		n-Nitrosodimethylamine	0.493	0.572	-16.0	150	0.02
5	S	2-Fluorophenol	1.142	1.339	-17.3	151#	0.00
6		Aniline	1.813	1.929	-6.4	136	-0.01
7	S	Phenol-d6	1.436	1.600	-11.4	142	-0.01
8		2-Chlorophenol	1.235	1.304	-5.6	136	-0.01
9		Benzaldehyde	0.961	1.092	-13.6	145	0.00
10	C	Phenol	1.453	1.604	-10.4	142	-0.01
11		bis(2-Chloroethyl)ether	1.213	1.300	-7.2	139	-0.01
12		1,3-Dichlorobenzene	1.492	1.587	-6.4	138	-0.01
13	C	1,4-Dichlorobenzene	1.499	1.591	-6.1	139	-0.01
14		1,2-Dichlorobenzene	1.448	1.502	-3.7	135	-0.01
15		Benzyl Alcohol	0.996	1.051	-5.5	133	-0.01
16		2,2'-oxybis(1-Chloropropane	1.475	1.588	-7.7	140	-0.01
17		2-Methylphenol	0.957	0.985	-2.9	130	-0.01
18		Hexachloroethane	0.533	0.574	-7.7	141	-0.02
19	P	n-Nitroso-di-n-propylamine	0.921	0.843	8.5	115	-0.01
20		3+4-Methylphenols	1.293	1.302	-0.7	128	-0.02
21	I	Naphthalene-d8	1.000	1.000	0.0	122	-0.02
22		Acetophenone	0.497	0.555	-11.7	128	-0.01
23	S	Nitrobenzene-d5	0.406	0.470	-15.8	133	-0.01
24		Nitrobenzene	0.351	0.401	-14.2	131	-0.01
25		Isophorone	0.692	0.722	-4.3	121	-0.02
26	C	2-Nitrophenol	0.179	0.198	-10.6	123	-0.02
27		2,4-Dimethylphenol	0.297	0.317	-6.7	120	-0.02
28		bis(2-Chloroethoxy)methane	0.428	0.455	-6.3	123	-0.02
29	C	2,4-Dichlorophenol	0.333	0.356	-6.9	120	-0.02
30		1,2,4-Trichlorobenzene	0.406	0.436	-7.4	125	-0.02
31		Naphthalene	1.013	1.086	-7.2	125	-0.02
32		Benzoic acid	0.190	0.186	2.1	116	-0.01
33		4-Chloroaniline	0.415	0.426	-2.7	118	-0.02
34	C	Hexachlorobutadiene	0.258	0.279	-8.1	126	-0.02
35		Caprolactam	0.097	0.089	8.2	104	-0.01
36	C	4-Chloro-3-methylphenol	0.308	0.303	1.6	114	-0.02
37		2-Methylnaphthalene	0.679	0.698	-2.8	120	-0.02
38		1-Methylnaphthalene	0.719	0.727	-1.1	118	-0.02
39	I	Acenaphthene-d10	1.000	1.000	0.0	108	-0.01
40		1,2,4,5-Tetrachlorobenzene	0.692	0.812	-17.3	118	-0.01
41	P	Hexachlorocyclopentadiene	0.423	0.472	-11.6	112	-0.02
42	S	2,4,6-Tribromophenol	0.296	0.313	-5.7	106	-0.01
43	C	2,4,6-Trichlorophenol	0.439	0.496	-13.0	112	-0.02
44		2,4,5-Trichlorophenol	0.474	0.528	-11.4	110	-0.02
45	S	2-Fluorobiphenyl	1.691	1.996	-18.0	119	-0.02
46		1,1'-Biphenyl	1.487	1.674	-12.6	115	-0.02
47		2-Chloronaphthalene	1.177	1.322	-12.3	114	-0.02

Sample Results: **BM050062.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050062.D
Acq On : 01 May 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 01 14:34:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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	0.276	0.322	-16.7	115	-0.02
49		Acenaphthylene	1.857	2.021	-8.8	110	-0.02
50		Dimethylphthalate	1.462	1.494	-2.2	105	-0.01
51		2,6-Dinitrotoluene	0.303	0.319	-5.3	105	-0.02
52	C	Acenaphthene	1.075	1.173	-9.1	111	-0.01
53		3-Nitroaniline	0.289	0.307	-6.2	103	-0.02
54	P	2,4-Dinitrophenol	0.164	0.161	1.8	98	-0.02
55		Dibenzofuran	1.788	1.919	-7.3	110	-0.01
56	P	4-Nitrophenol	0.205	0.222	-8.3	107	-0.02
57		2,4-Dinitrotoluene	0.418	0.439	-5.0	103	-0.01
58		Fluorene	1.463	1.622	-10.9	112	-0.02
59		2,3,4,6-Tetrachlorophenol	0.410	0.429	-4.6	106	-0.01
60		Diethylphthalate	1.377	1.398	-1.5	105	-0.01
61		4-Chlorophenyl-phenylether	0.804	0.881	-9.6	111	-0.02
62		4-Nitroaniline	0.279	0.296	-6.1	102	-0.01
63		Azobenzene	1.154	1.293	-12.0	114	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	101	-0.01
65		4,6-Dinitro-2-methylphenol	0.125	0.131	-4.8	98	-0.02
66	c	n-Nitrosodiphenylamine	0.614	0.682	-11.1	105	-0.01
67		4-Bromophenyl-phenylether	0.242	0.264	-9.1	103	-0.01
68		Hexachlorobenzene	0.279	0.305	-9.3	104	-0.01
69		Atrazine	0.222	0.235	-5.9	100	-0.02
70	C	Pentachlorophenol	0.157	0.174	-10.8	105	-0.02
71		Phenanthrene	1.128	1.244	-10.3	106	-0.01
72		Anthracene	1.142	1.274	-11.6	106	-0.02
73		Carbazole	0.991	1.075	-8.5	103	-0.02
74		Di-n-butylphthalate	1.180	1.266	-7.3	102	-0.01
75	C	Fluoranthene	1.324	1.440	-8.8	103	-0.01
76	I	Chrysene-d12	1.000	1.000	0.0	102	-0.01
77		Benzidine	0.710	0.507	28.6#	67	0.00
78		Pyrene	1.404	1.537	-9.5	103	-0.01
79	S	Terphenyl-d14	1.352	1.606	-18.8	107	-0.01
80		Butylbenzylphthalate	0.526	0.549	-4.4	100	-0.01
81		Benzo(a)anthracene	1.377	1.520	-10.4	105	-0.01
82		3,3'-Dichlorobenzidine	0.527	0.551	-4.6	97	-0.01
83		Chrysene	1.275	1.371	-7.5	104	-0.02
84		Bis(2-ethylhexyl)phthalate	0.786	0.824	-4.8	100	-0.01
85	c	Di-n-octyl phthalate	1.296	1.271	1.9	95	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	98	-0.03
87		Indeno(1,2,3-cd)pyrene	1.490	1.620	-8.7	99	-0.04
88		Benzo(b)fluoranthene	1.301	1.413	-8.6	98	-0.02
89		Benzo(k)fluoranthene	1.316	1.460	-10.9	103	-0.02
90	C	Benzo(a)pyrene	1.218	1.323	-8.6	100	-0.02
91		Dibenzo(a,h)anthracene	1.215	1.320	-8.6	99	-0.05
92		Benzo(g,h,i)perylene	1.163	1.262	-8.5	100	-0.04

Sample Results: **BM050062.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050062.D
Acq On : 01 May 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 01 14:34:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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: **BM050062.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050062.D
Acq On : 01 May 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 01 14:34:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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	137	-0.01
2		1,4-Dioxane	40.000	47.513	-18.8	155	0.02
3		Pyridine	40.000	47.766	-19.4	154	0.01
4		n-Nitrosodimethylamine	40.000	46.336	-15.8	150	0.02
5	S	2-Fluorophenol	80.000	93.775	-17.2	151	0.00
6		Aniline	40.000	42.572	-6.4	136	-0.01
7	S	Phenol-d6	80.000	89.170	-11.5	142	-0.01
8		2-Chlorophenol	40.000	42.253	-5.6	136	-0.01
9		Benzaldehyde	40.000	45.481	-13.7	145	0.00
10	C	Phenol	40.000	44.161	-10.4	142	-0.01
11		bis(2-Chloroethyl)ether	40.000	42.836	-7.1	139	-0.01
12		1,3-Dichlorobenzene	40.000	42.546	-6.4	138	-0.01
13	C	1,4-Dichlorobenzene	40.000	42.473	-6.2	139	-0.01
14		1,2-Dichlorobenzene	40.000	41.490	-3.7	135	-0.01
15		Benzyl Alcohol	40.000	42.242	-5.6	133	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	43.052	-7.6	140	-0.01
17		2-Methylphenol	40.000	41.137	-2.8	130	-0.01
18		Hexachloroethane	40.000	43.117	-7.8	141	-0.02
19	P	n-Nitroso-di-n-propylamine	40.000	36.605	8.5	115	-0.01
20		3+4-Methylphenols	40.000	40.296	-0.7	128	-0.02
21	I	Naphthalene-d8	20.000	20.000	0.0	122	-0.02
22		Acetophenone	40.000	44.635	-11.6	128	-0.01
23	S	Nitrobenzene-d5	80.000	92.712	-15.9	133	-0.01
24		Nitrobenzene	40.000	45.762	-14.4	131	-0.01
25		Isophorone	40.000	41.750	-4.4	121	-0.02
26	C	2-Nitrophenol	40.000	44.067	-10.2	123	-0.02
27		2,4-Dimethylphenol	40.000	42.668	-6.7	120	-0.02
28		bis(2-Chloroethoxy)methane	40.000	42.549	-6.4	123	-0.02
29	C	2,4-Dichlorophenol	40.000	42.706	-6.8	120	-0.02
30		1,2,4-Trichlorobenzene	40.000	42.941	-7.4	125	-0.02
31		Naphthalene	40.000	42.897	-7.2	125	-0.02
32		Benzoic acid	40.000	39.188	2.0	116	-0.01
33		4-Chloroaniline	40.000	41.048	-2.6	118	-0.02
34	C	Hexachlorobutadiene	40.000	43.347	-8.4	126	-0.02
35		Caprolactam	40.000	36.708	8.2	104	-0.01
36	C	4-Chloro-3-methylphenol	40.000	39.405	1.5	114	-0.02
37		2-Methylnaphthalene	40.000	41.142	-2.9	120	-0.02
38		1-Methylnaphthalene	40.000	40.492	-1.2	118	-0.02
39	I	Acenaphthene-d10	20.000	20.000	0.0	108	-0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	46.936	-17.3	118	-0.01
41	P	Hexachlorocyclopentadiene	40.000	44.616	-11.5	112	-0.02
42	S	2,4,6-Tribromophenol	80.000	84.547	-5.7	106	-0.01
43	C	2,4,6-Trichlorophenol	40.000	45.172	-12.9	112	-0.02
44		2,4,5-Trichlorophenol	40.000	44.577	-11.4	110	-0.02
45	S	2-Fluorobiphenyl	80.000	94.461	-18.1	119	-0.02
46		1,1'-Biphenyl	40.000	45.044	-12.6	115	-0.02
47		2-Chloronaphthalene	40.000	44.927	-12.3	114	-0.02

Sample Results: **BM050062.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050062.D
Acq On : 01 May 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 01 14:34:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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	46.607	-16.5	115	-0.02
49		Acenaphthylene	40.000	43.552	-8.9	110	-0.02
50		Dimethylphthalate	40.000	40.885	-2.2	105	-0.01
51		2,6-Dinitrotoluene	40.000	42.111	-5.3	105	-0.02
52	C	Acenaphthene	40.000	43.665	-9.2	111	-0.01
53		3-Nitroaniline	40.000	42.458	-6.1	103	-0.02
54	P	2,4-Dinitrophenol	40.000	36.611	8.5	98	-0.02
55		Dibenzofuran	40.000	42.931	-7.3	110	-0.01
56	P	4-Nitrophenol	40.000	40.165	-0.4	107	-0.02
57		2,4-Dinitrotoluene	40.000	41.948	-4.9	103	-0.01
58		Fluorene	40.000	44.327	-10.8	112	-0.02
59		2,3,4,6-Tetrachlorophenol	40.000	41.828	-4.6	106	-0.01
60		Diethylphthalate	40.000	40.589	-1.5	105	-0.01
61		4-Chlorophenyl-phenylether	40.000	43.832	-9.6	111	-0.02
62		4-Nitroaniline	40.000	42.437	-6.1	102	-0.01
63		Azobenzene	40.000	44.796	-12.0	114	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	101	-0.01
65		4,6-Dinitro-2-methylphenol	40.000	41.909	-4.8	98	-0.02
66	c	n-Nitrosodiphenylamine	40.000	44.430	-11.1	105	-0.01
67		4-Bromophenyl-phenylether	40.000	43.643	-9.1	103	-0.01
68		Hexachlorobenzene	40.000	43.718	-9.3	104	-0.01
69		Atrazine	40.000	42.423	-6.1	100	-0.02
70	C	Pentachlorophenol	40.000	44.419	-11.0	105	-0.02
71		Phenanthrene	40.000	44.128	-10.3	106	-0.01
72		Anthracene	40.000	44.637	-11.6	106	-0.02
73		Carbazole	40.000	43.390	-8.5	103	-0.02
74		Di-n-butylphthalate	40.000	42.938	-7.3	102	-0.01
75	C	Fluoranthene	40.000	43.496	-8.7	103	-0.01
76	I	Chrysene-d12	20.000	20.000	0.0	102	-0.01
77		Benzidine	40.000	28.568	28.6#	67	0.00
78		Pyrene	40.000	43.763	-9.4	103	-0.01
79	S	Terphenyl-d14	80.000	95.048	-18.8	107	-0.01
80		Butylbenzylphthalate	40.000	41.763	-4.4	100	-0.01
81		Benzo(a)anthracene	40.000	44.135	-10.3	105	-0.01
82		3,3'-Dichlorobenzidine	40.000	41.777	-4.4	97	-0.01
83		Chrysene	40.000	43.016	-7.5	104	-0.02
84		Bis(2-ethylhexyl)phthalate	40.000	41.933	-4.8	100	-0.01
85	c	Di-n-octyl phthalate	40.000	39.233	1.9	95	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	98	-0.03
87		Indeno(1,2,3-cd)pyrene	40.000	43.491	-8.7	99	-0.04
88		Benzo(b)fluoranthene	40.000	43.470	-8.7	98	-0.02
89		Benzo(k)fluoranthene	40.000	44.376	-10.9	103	-0.02
90	C	Benzo(a)pyrene	40.000	43.457	-8.6	100	-0.02
91		Dibenzo(a,h)anthracene	40.000	43.471	-8.7	99	-0.05
92		Benzo(g,h,i)perylene	40.000	43.389	-8.5	100	-0.04

Sample Results: **BM050062.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050062.D
Acq On : 01 May 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 01 14:34:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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

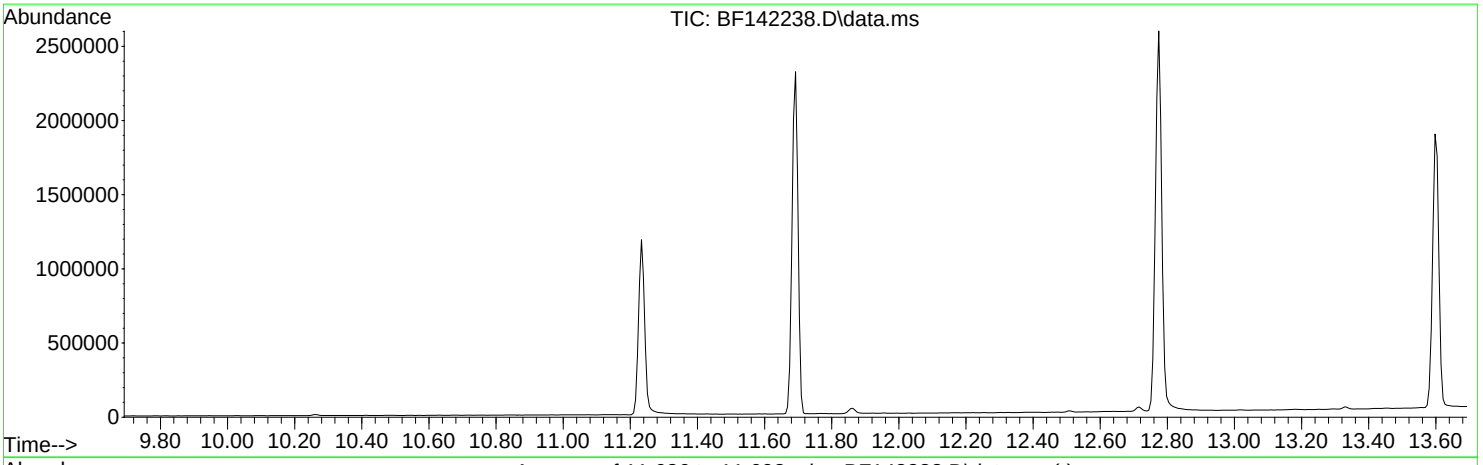
Sample Results: **BF142238.D**

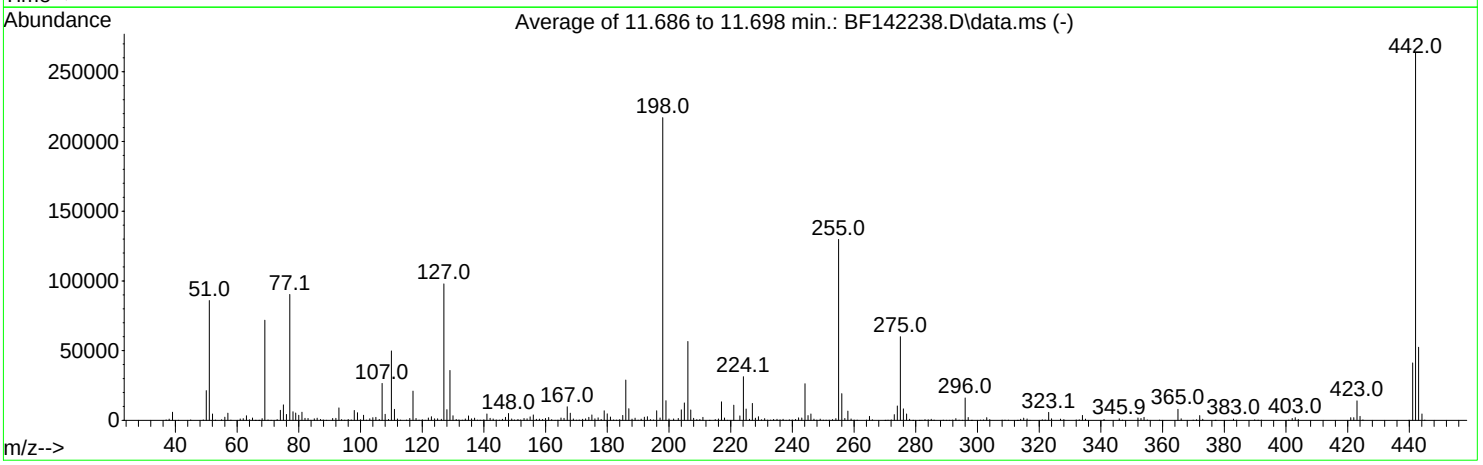
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142238.D
Acq On : 30 Apr 2025 10:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Apr 30 16:00:01 2025





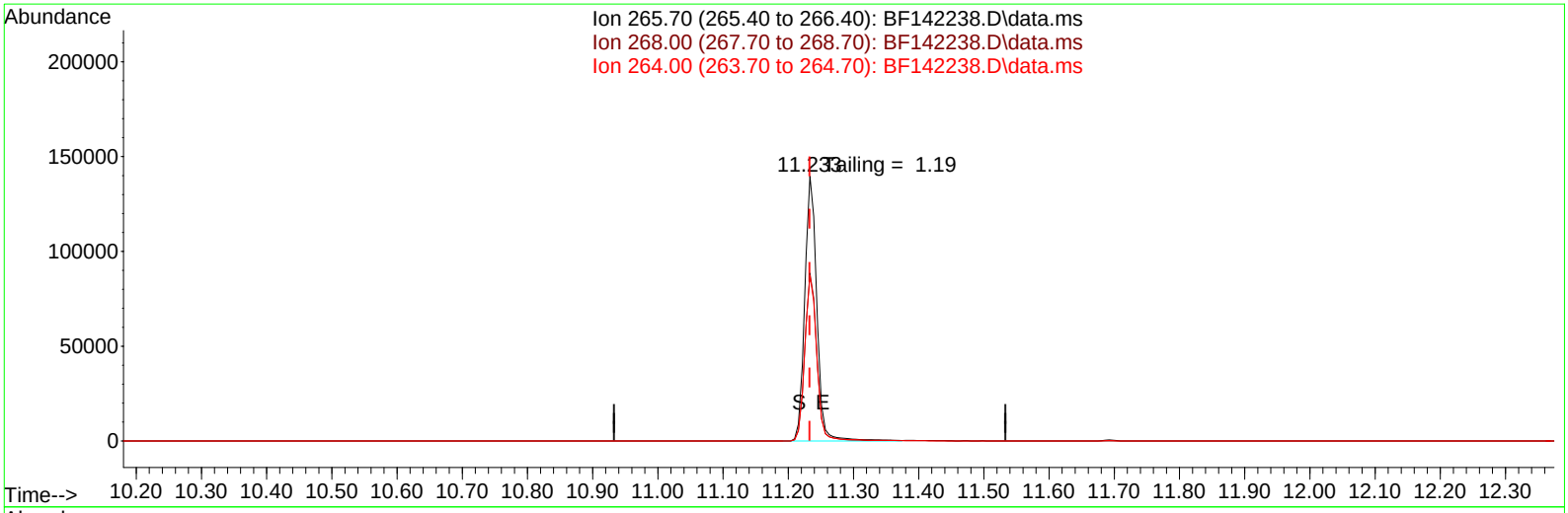
AutoFind: Scans 1614, 1615, 1616; Background Corrected with Scan 1607

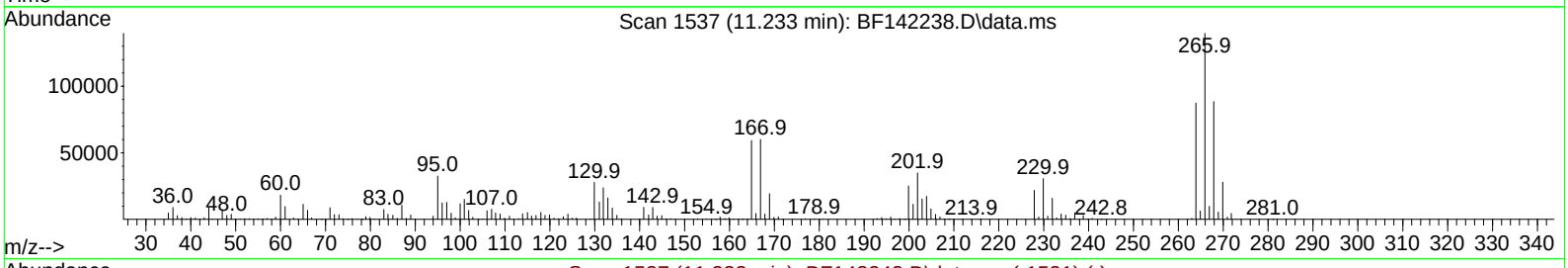
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.6	86007	PASS
68	69	0.00	2	1.8	1316	PASS
69	198	0.00	100	33.1	71903	PASS
70	69	0.00	2	0.5	377	PASS
127	198	10	80	45.1	97928	PASS
197	198	0.00	2	0.8	1760	PASS
198	198	100	100	100.0	217131	PASS
199	198	5	9	6.5	14095	PASS
275	198	10	60	27.6	60019	PASS
365	198	1	100	3.7	7976	PASS
441	198	0.01	100	19.0	41171	PASS
442	442	50	100	100.0	263808	PASS
443	442	15	24	19.9	52467	PASS

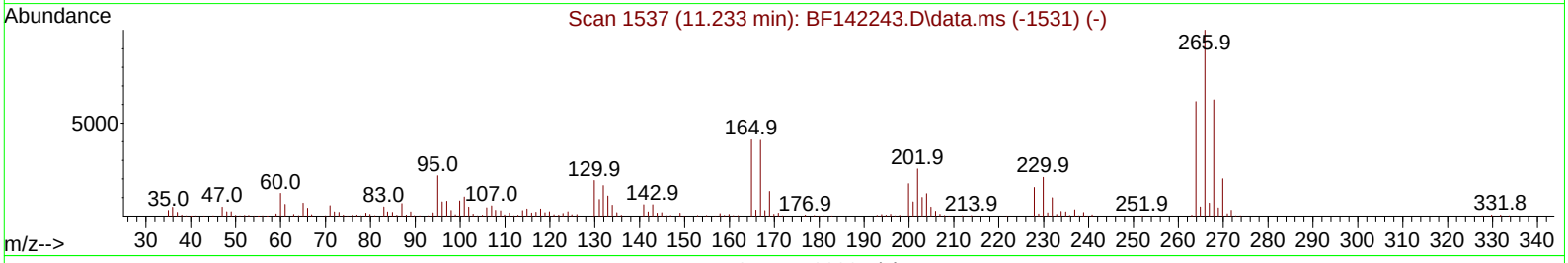
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142238.D
Acq On : 30 Apr 2025 10:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Apr 30 16:04:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration







TIC: BF142238.D\data.ms

(70) Pentachlorophenol (C)

11.233min (+ 0.000) 69575.24 ng

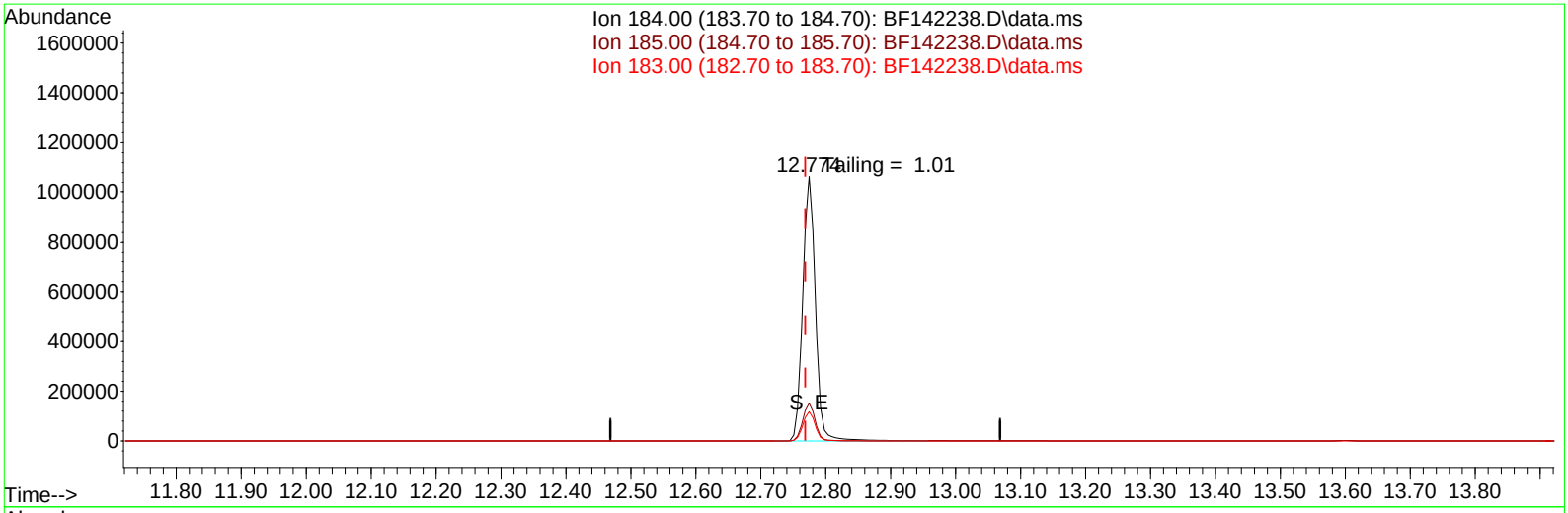
response 180630

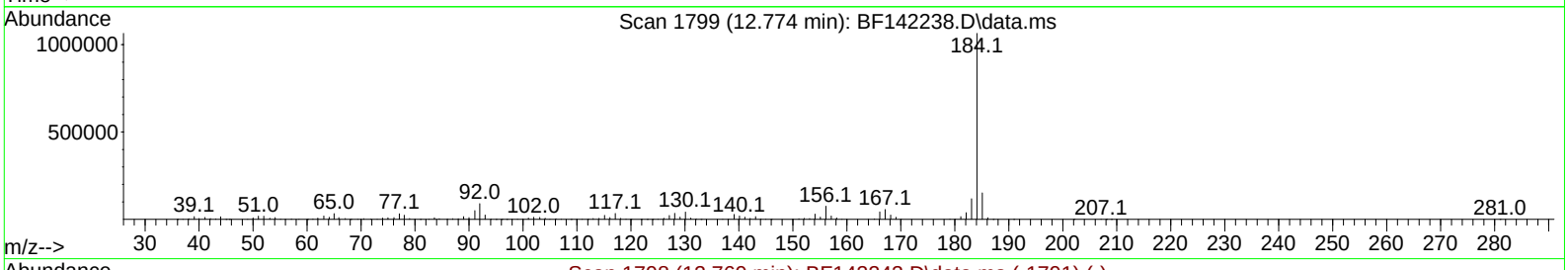
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.50	63.39
264.00	61.60	62.57
0.00	0.00	0.00

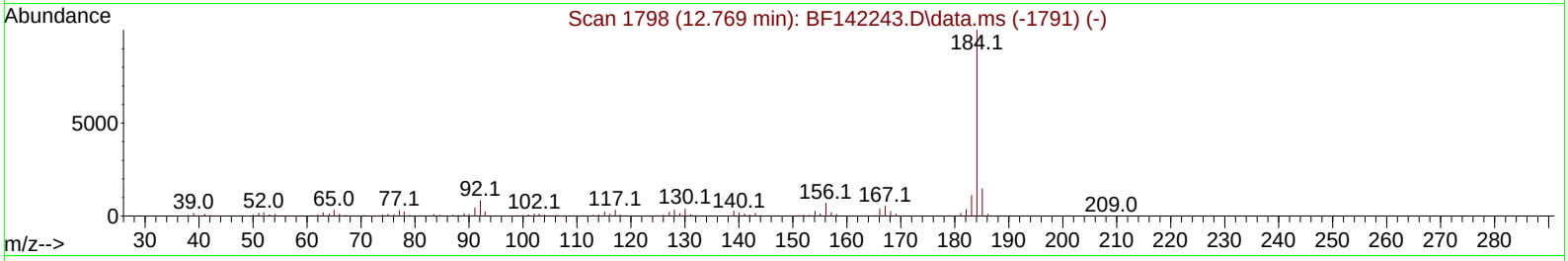
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142238.D
Acq On : 30 Apr 2025 10:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Apr 30 16:04:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration







TIC: BF142238.D\data.ms

(77) Benzidine

12.774min (+ 0.006) 97416.22 ng

response 1440496

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.70	14.25
183.00	11.10	11.10
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
4/30/2025	BNA_F	BF142238.D
Compound Name	**Response**	**Retention Time**
DDT	378546	13.598
DDD	2841	13.333
DDE	0	12.904
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
2841	381387	0.74

Instrument :
BNA_F
ClientSampleId :
DFTPP

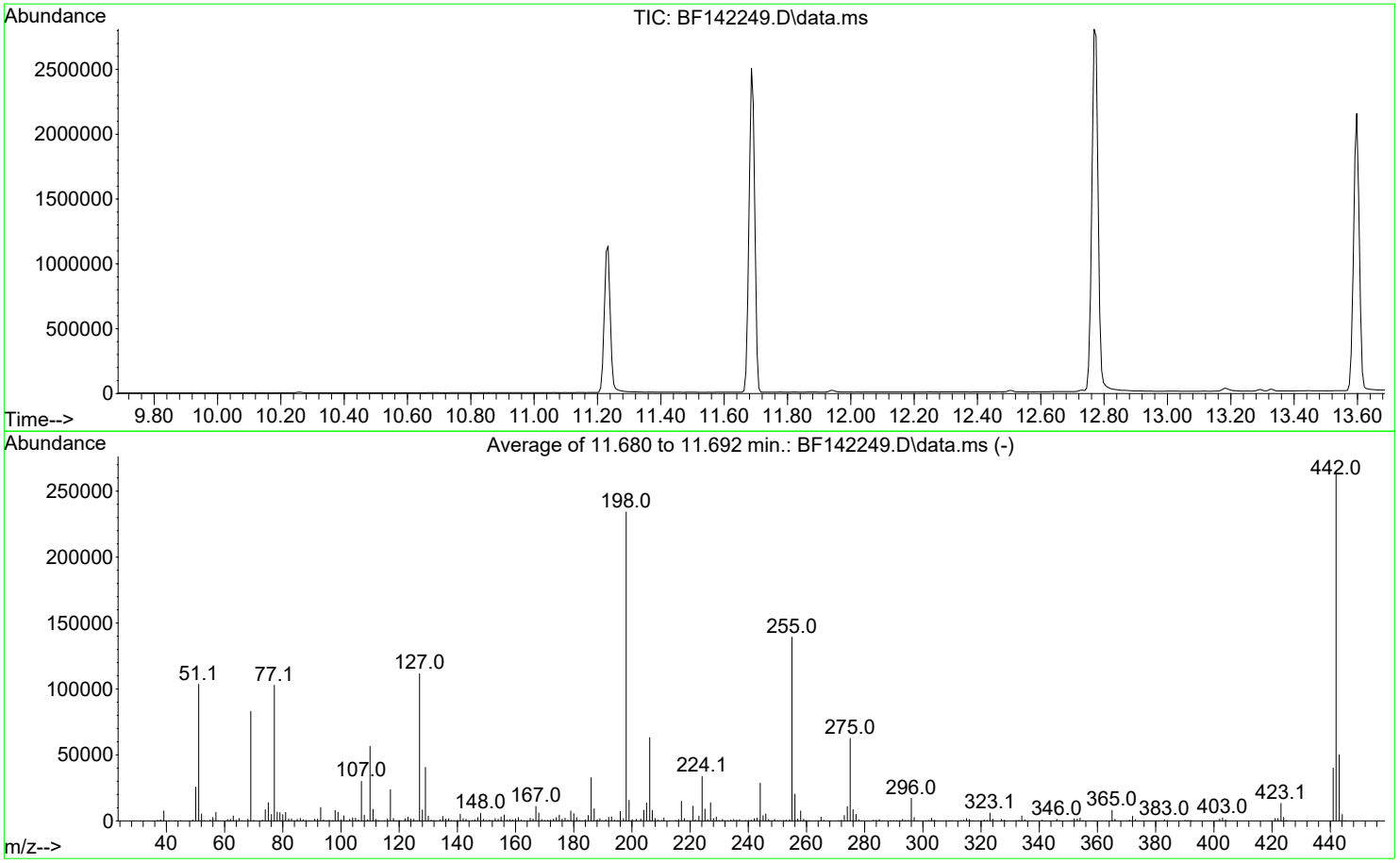
Sample Results: **BF142249.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142249.D
Acq On : 01 May 2025 09:48
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-BF043025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Apr 30 16:00:01 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	44.2	103579	PASS
68	69	0.00	2	1.6	1339	PASS
69	198	0.00	100	35.5	83059	PASS
70	69	0.00	2	0.5	413	PASS
127	198	10	80	47.7	111579	PASS
197	198	0.00	2	0.7	1704	PASS
198	198	100	100	100.0	234155	PASS
199	198	5	9	6.7	15632	PASS
275	198	10	60	26.7	62555	PASS
365	198	1	100	3.4	8074	PASS
441	198	0.01	100	17.1	40008	PASS
442	442	50	100	100.0	263019	PASS
443	442	15	24	19.1	50208	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
5/1/2025	BNA_F	BF142249.D
Compound Name	**Response**	**Retention Time**
DDT	427368	13.598
DDD	6172	13.327
DDE	0	12.904
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
6172	433540	1.42

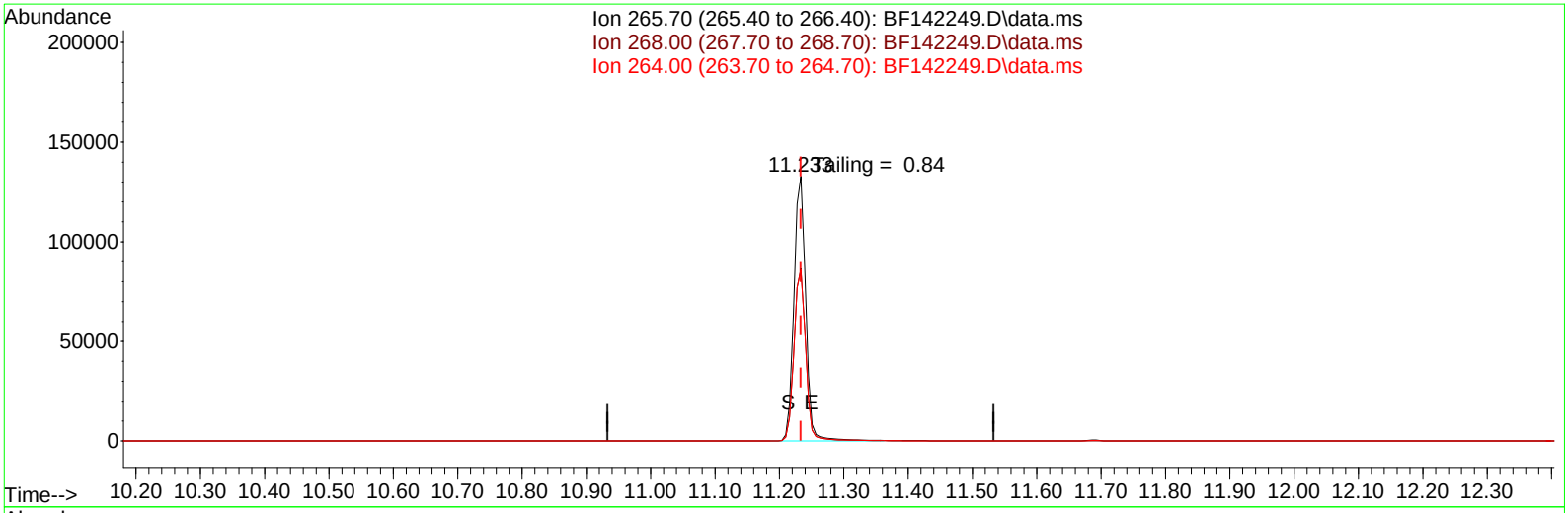
Instrument :
BNA_F
ClientSampleId :
DFTPP

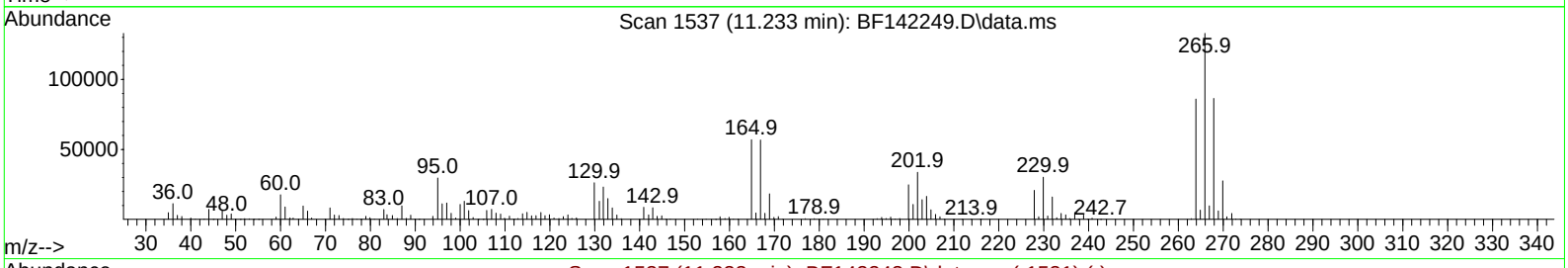
Sample Results: **BF142249.D**

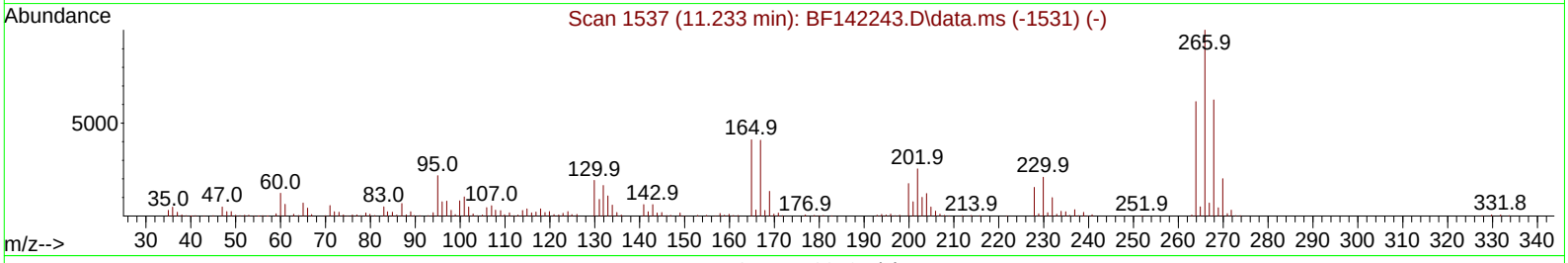
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142249.D
Acq On : 01 May 2025 09:48
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: May 01 12:00:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration







TIC: BF142249.D\data.ms

(70) Pentachlorophenol (C)

11.233min (+ 0.000) 113470.87 ng

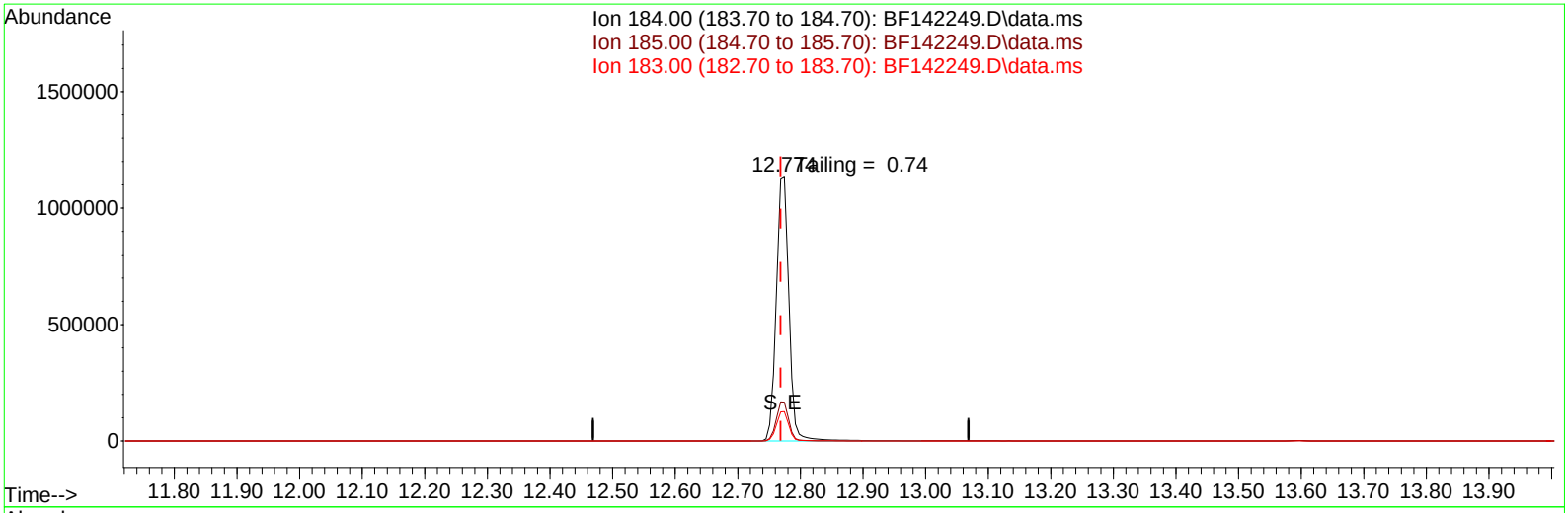
response 170474

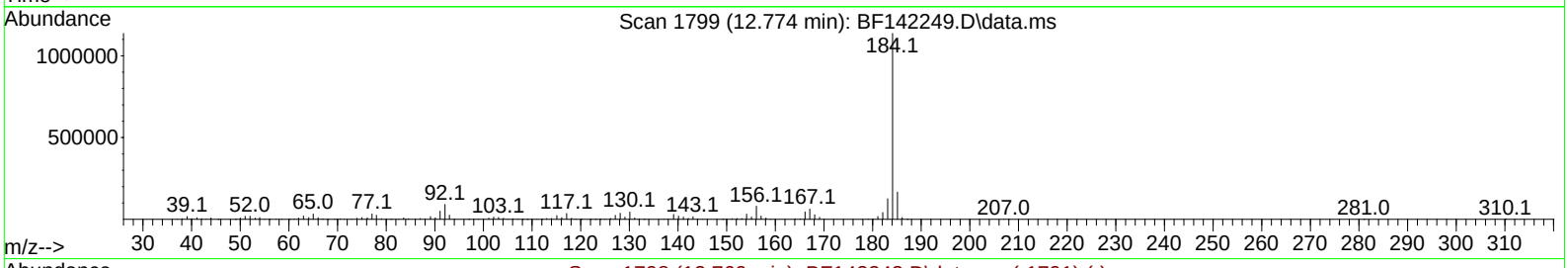
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.50	65.06
264.00	61.60	64.75
0.00	0.00	0.00

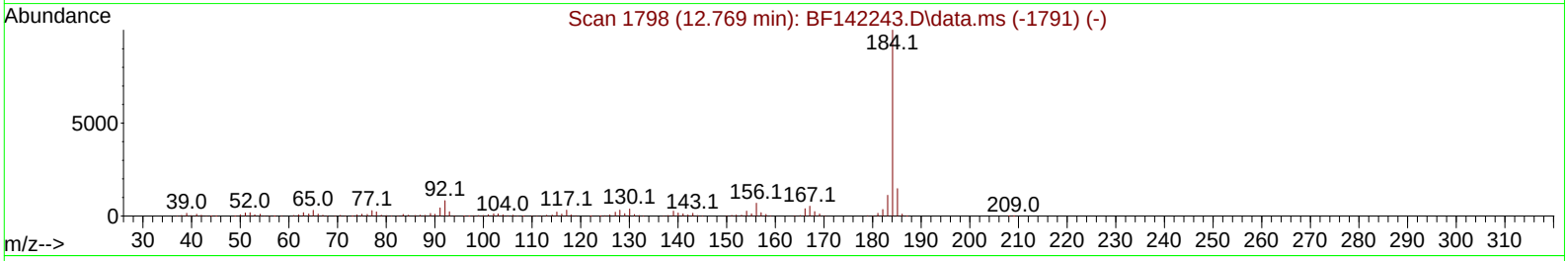
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142249.D
Acq On : 01 May 2025 09:48
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: May 01 12:00:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration







TIC: BF142249.D\data.ms

(77) Benzidine

12.774min (+ 0.006) 156734.40 ng

response 1611689

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.70	14.68
183.00	11.10	11.08
0.00	0.00	0.00

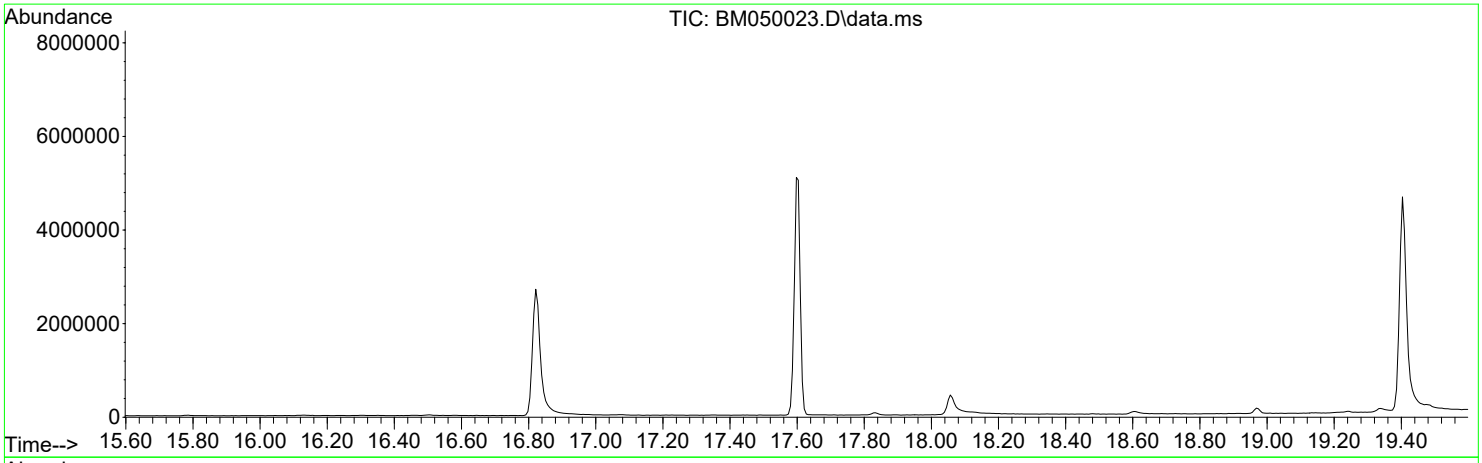
Sample Results: **BM050023.D**

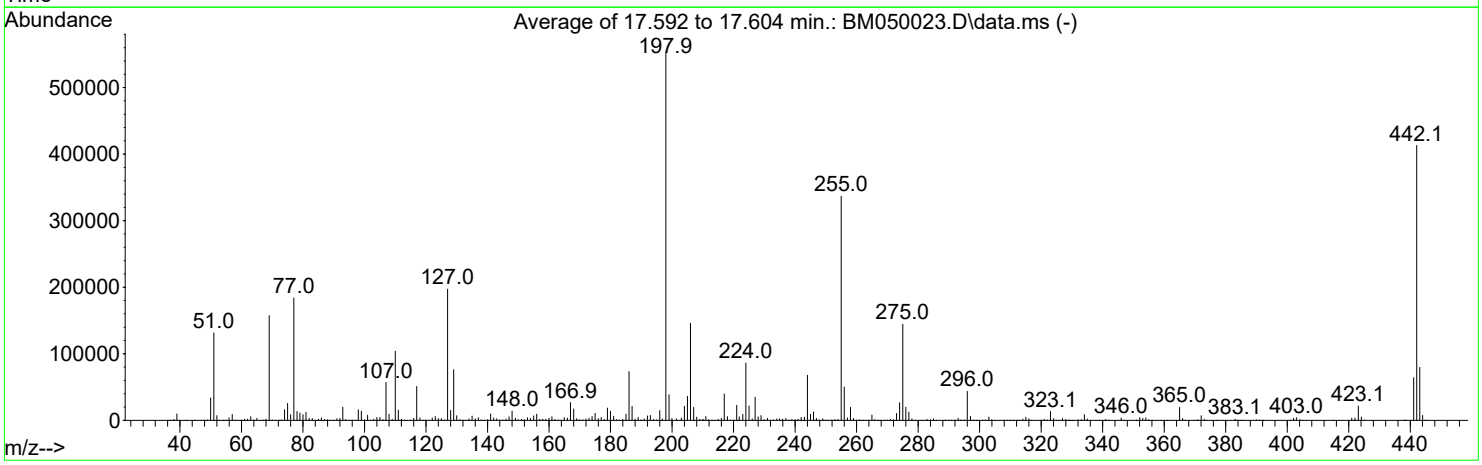
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050023.D
Acq On : 28 Apr 2025 11:46
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Apr 28 18:09:16 2025





AutoFind: Scans 2483, 2484, 2485; Background Corrected with Scan 2476

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	23.8	131521	PASS
68	69	0.00	2	1.3	2026	PASS
69	198	0.00	100	28.5	157569	PASS
70	69	0.00	2	0.4	660	PASS
127	198	10	80	35.7	197099	PASS
197	198	0.00	2	0.4	2228	PASS
198	198	100	100	100.0	552704	PASS
199	198	5	9	7.0	38461	PASS
275	198	10	60	26.2	144571	PASS
365	198	1	100	3.5	19537	PASS
441	198	0.01	100	11.6	64259	PASS
442	442	50	100	100.0	413099	PASS
443	442	15	24	19.3	79557	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
4/28/2025	BNA_M	BM050023.D
Compound Name	**Response**	**Retention Time**
DDT	1978095	20.639
DDD	17600	20.251
DDE	1351	19.692
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
18951	1997046	0.95

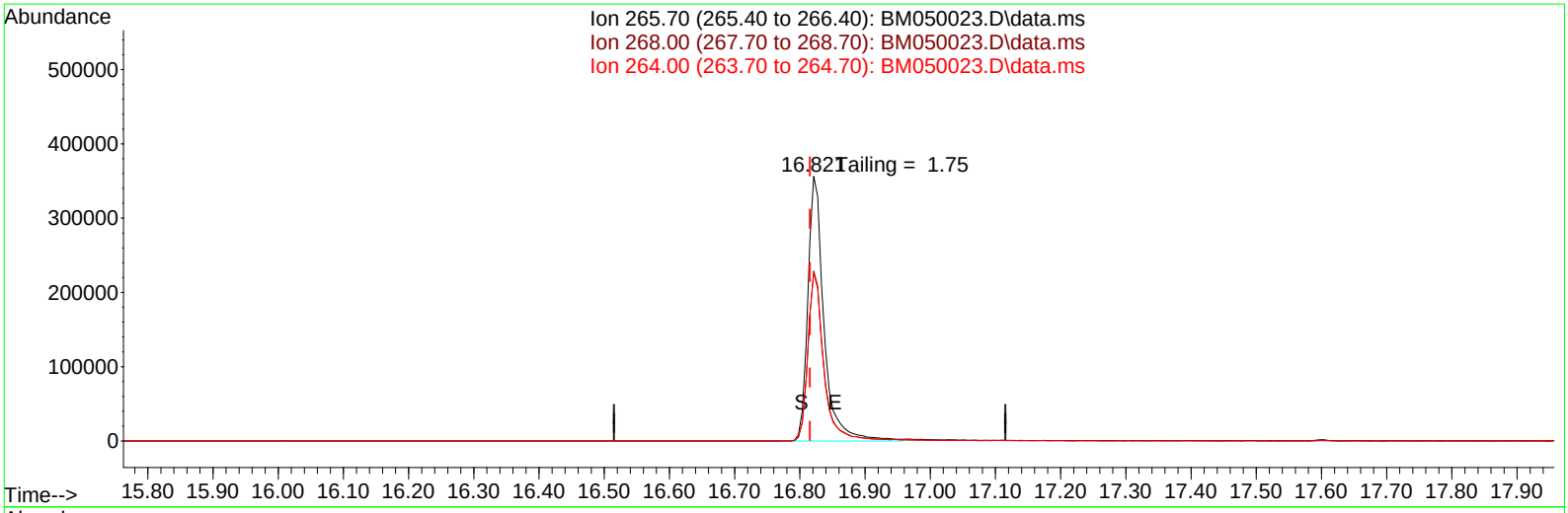
Instrument :
BNA_M
ClientSampleId :
DFTPP

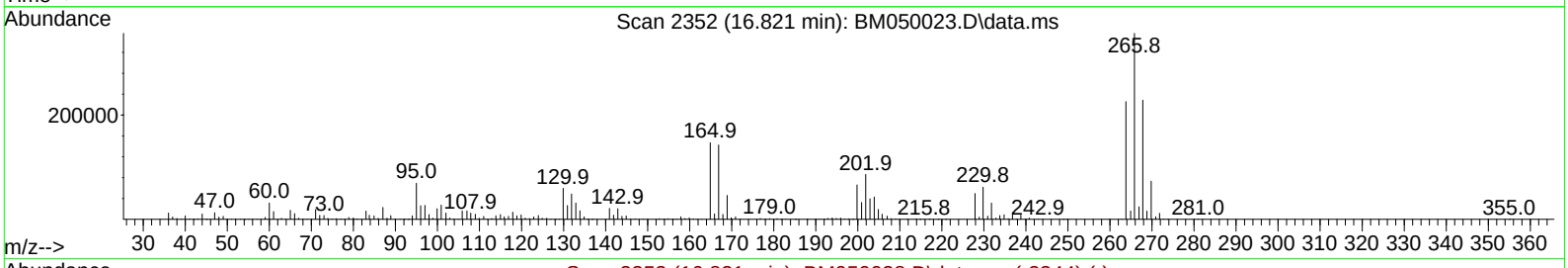
Sample Results: **BM050023.D**

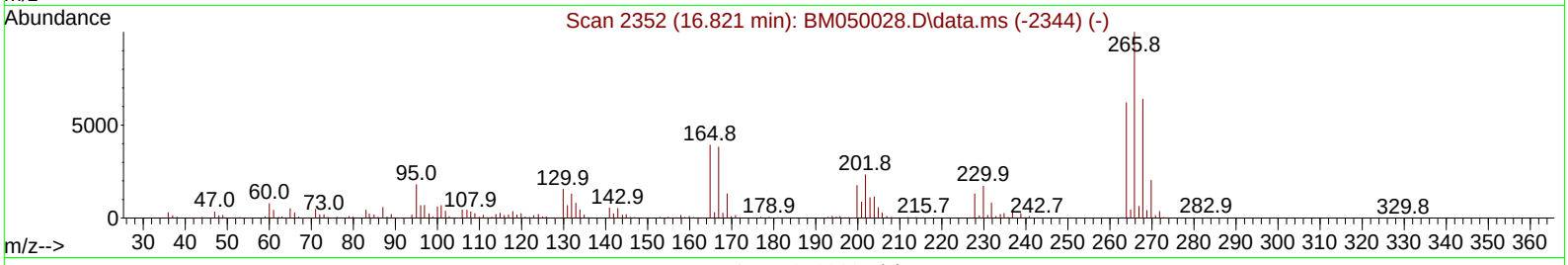
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050023.D
Acq On : 28 Apr 2025 11:46
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 28 15:37:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration







TIC: BM050023.D\data.ms

(70) Pentachlorophenol (C)

16.821min (+ 0.006) 652247.26 ng

response 613835

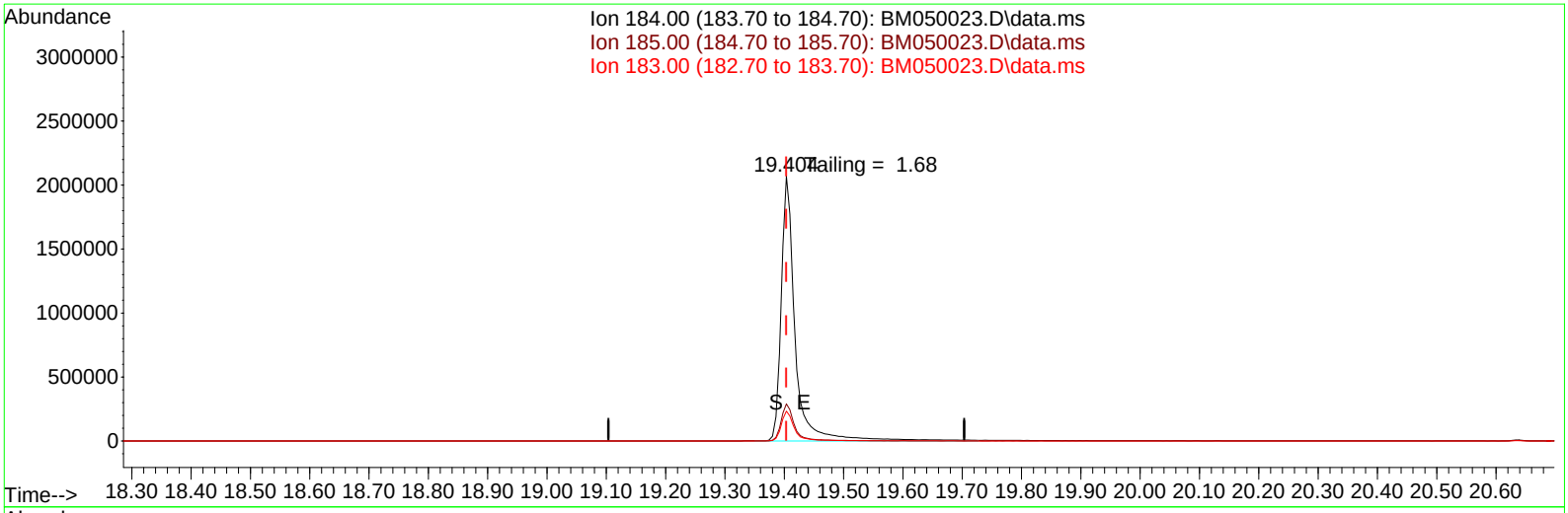
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.30	64.13
264.00	62.30	63.38
0.00	0.00	0.00

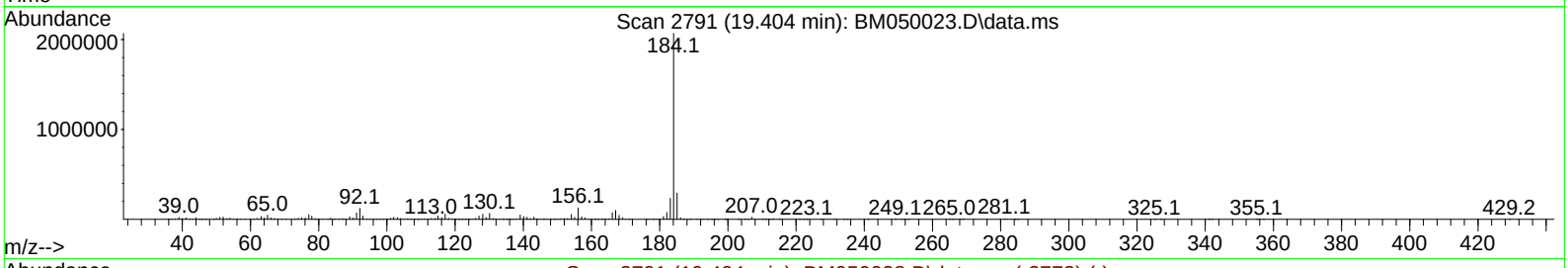
Sample Results: **BM050023.D**

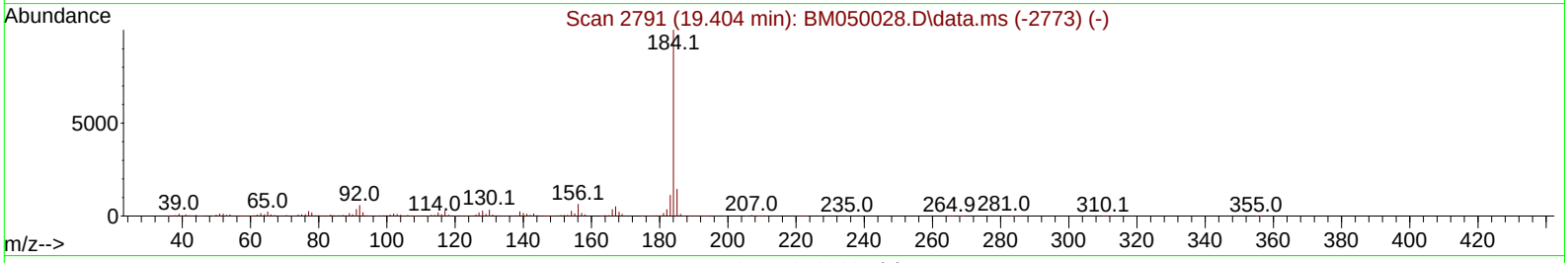
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050023.D
Acq On : 28 Apr 2025 11:46
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 28 15:37:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration







TIC: BM050023.D\data.ms

(77) Benzidine

19.404min (+ 0.000) 1761877.84 ng

response 3412576

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	14.06
183.00	11.00	11.29
0.00	0.00	0.00

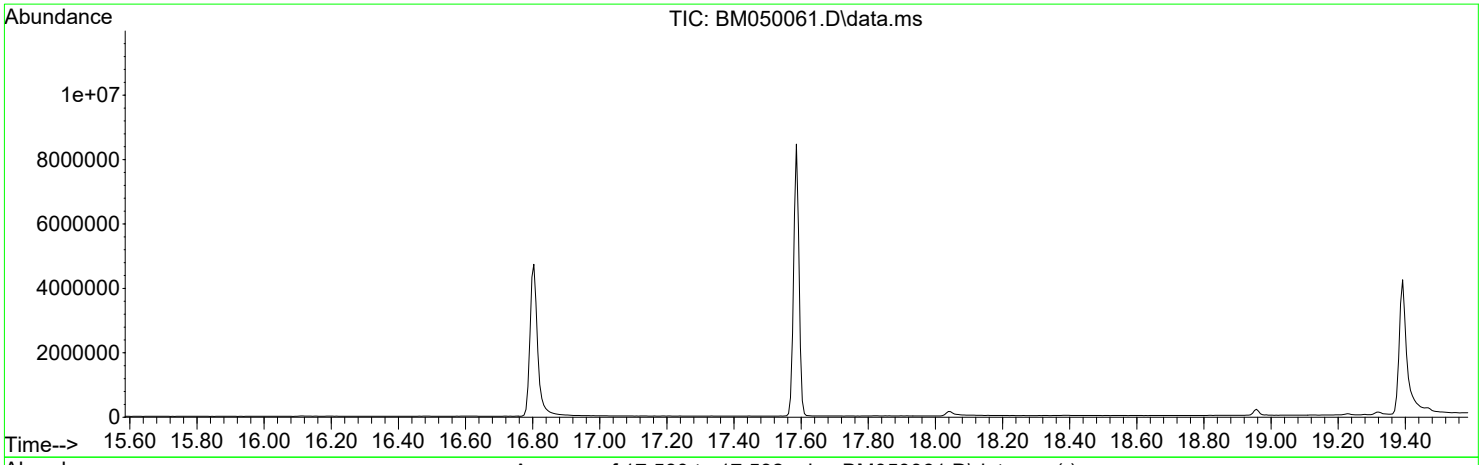
Sample Results: **BM050061.D**

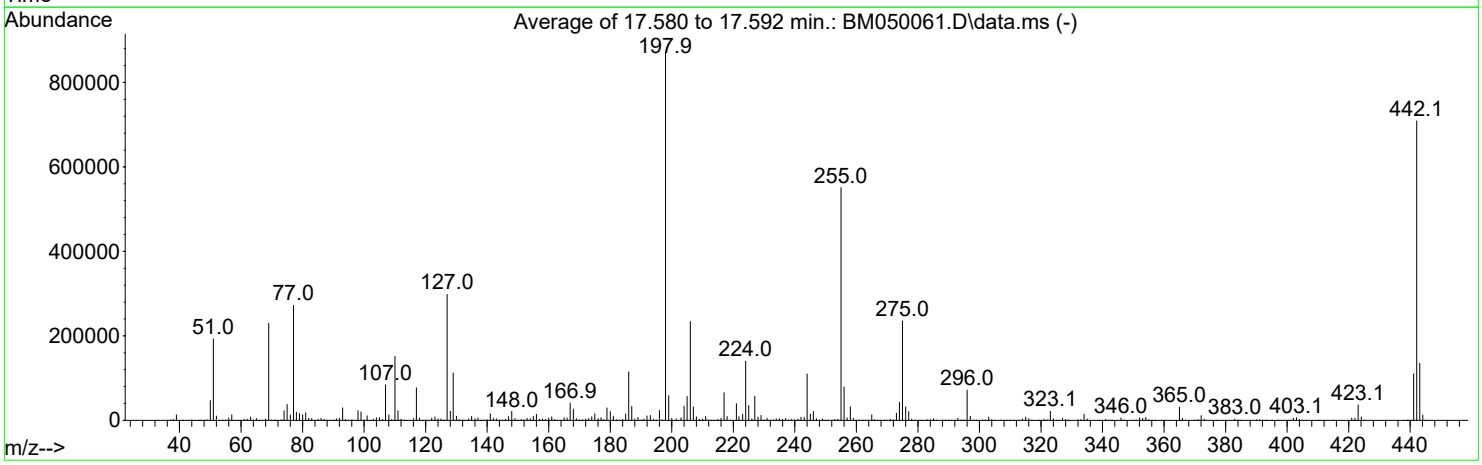
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050061.D
Acq On : 01 May 2025 12:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Apr 28 18:09:16 2025





AutoFind: Scans 2481, 2482, 2483; Background Corrected with Scan 2474

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	22.1	192815	PASS
68	69	0.00	2	1.5	3449	PASS
69	198	0.00	100	26.4	230047	PASS
70	69	0.00	2	0.4	961	PASS
127	198	10	80	34.3	298304	PASS
197	198	0.00	2	0.2	1539	PASS
198	198	100	100	100.0	870933	PASS
199	198	5	9	6.7	58768	PASS
275	198	10	60	27.0	235264	PASS
365	198	1	100	3.6	31597	PASS
441	198	0.01	100	12.6	110144	PASS
442	442	50	100	100.0	709184	PASS
443	442	15	24	19.1	135272	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
5/1/2025	BNA_M	BM050061.D
Compound Name	**Response**	**Retention Time**
DDT	2747273	20.621
DDD	53335	20.186
DDE	3538	19.68
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
56873	2804146	2.03

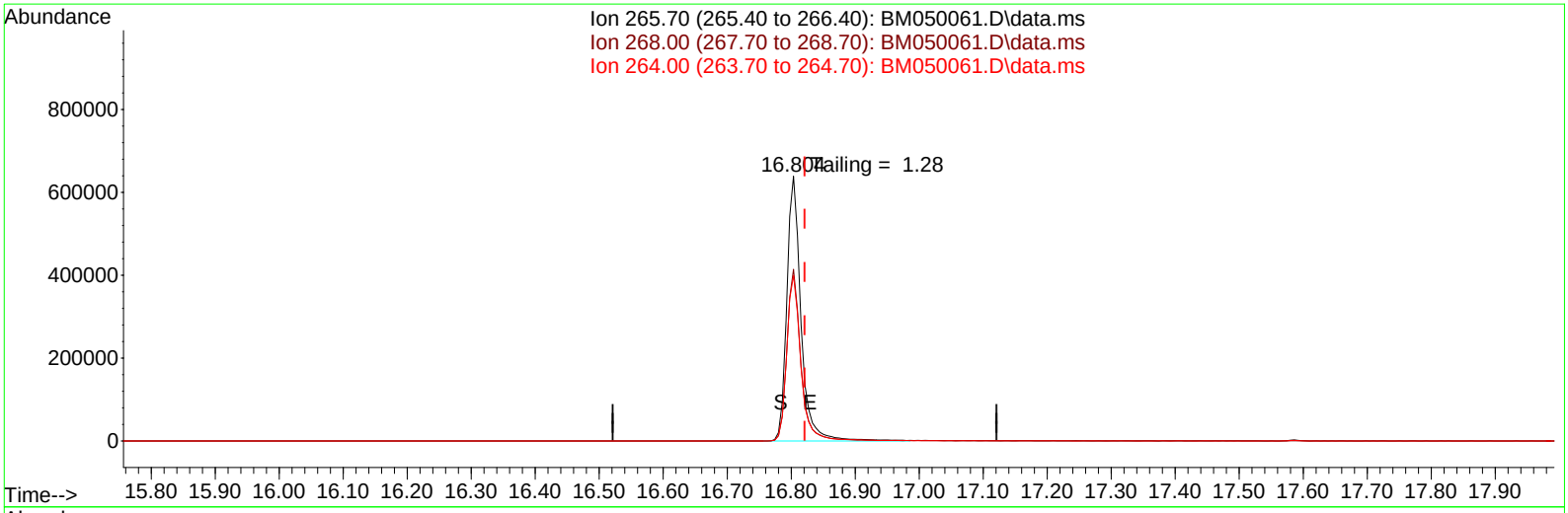
Instrument :
BNA_M
ClientSampleId :
DFTPP

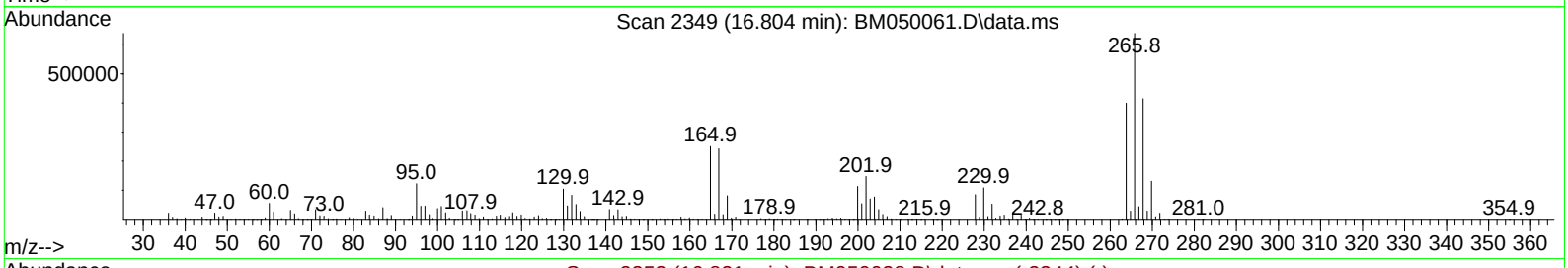
Sample Results: **BM050061.D**

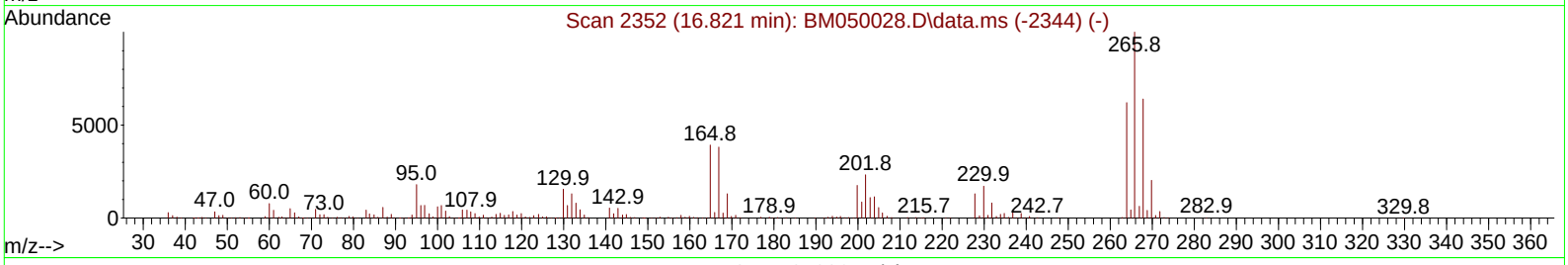
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050061.D
Acq On : 01 May 2025 12:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: May 01 13:23:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration







TIC: BM050061.D\data.ms

(70) Pentachlorophenol (C)

16.804min (-0.017) 298828.62 ng

response 984778

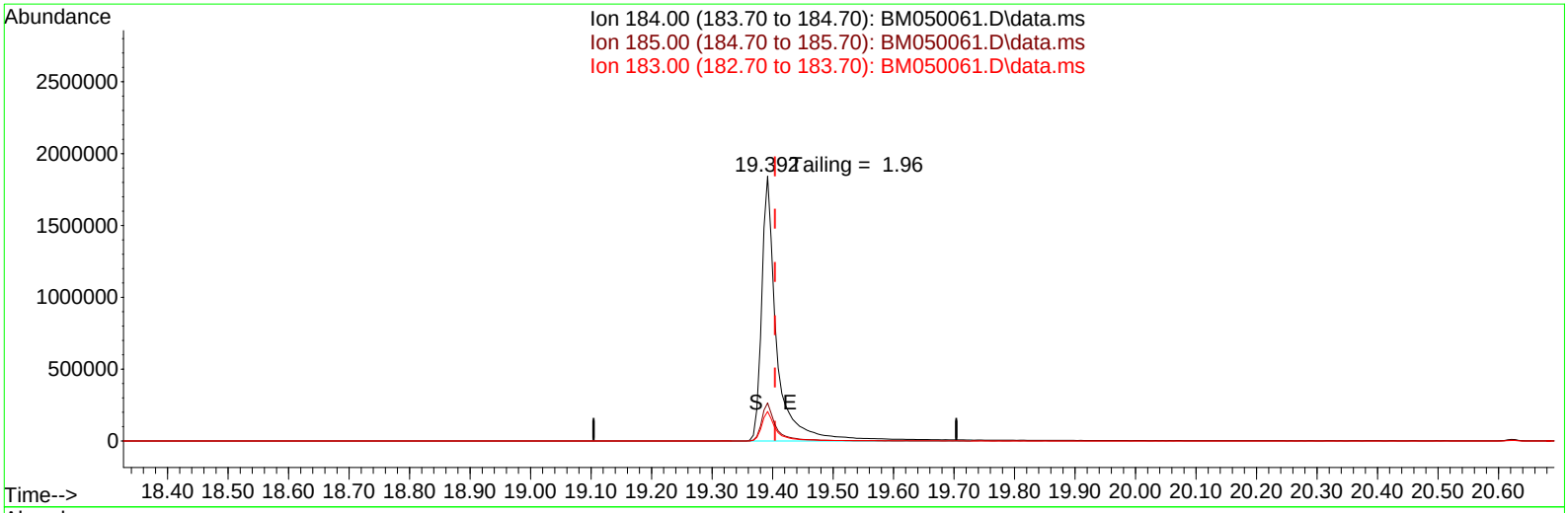
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.00	64.86
264.00	62.00	62.48
0.00	0.00	0.00

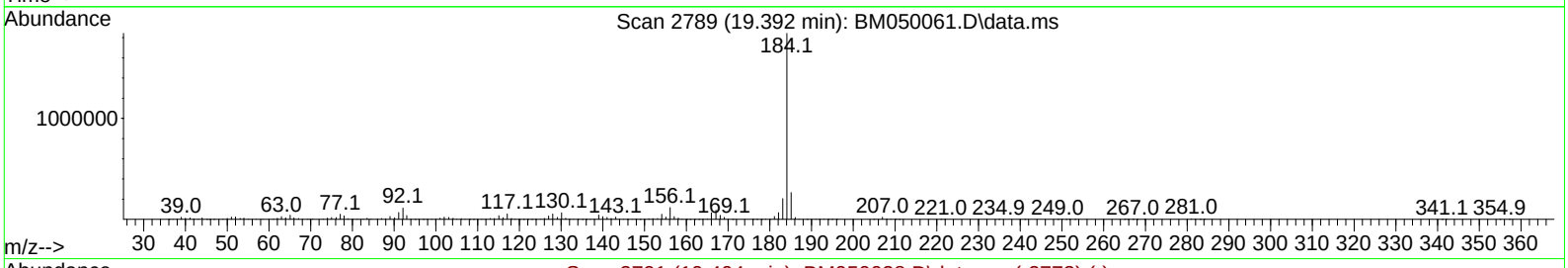
Sample Results: **BM050061.D**

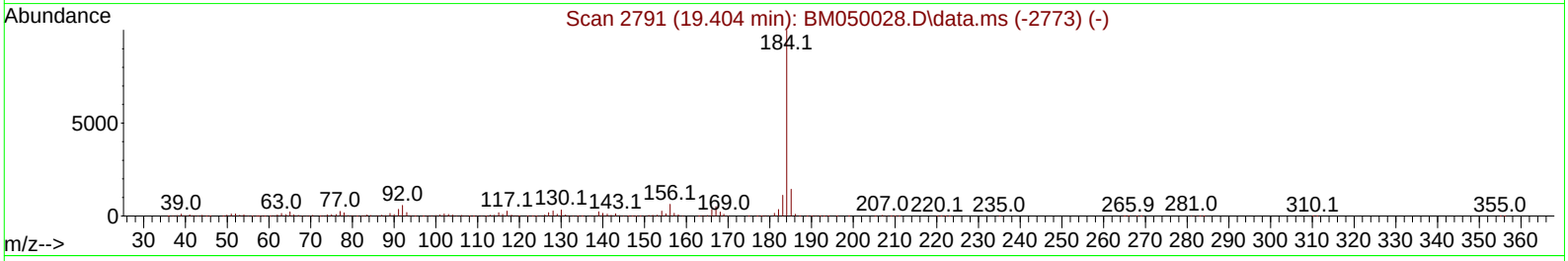
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050061.D
Acq On : 01 May 2025 12:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: May 01 13:23:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration







TIC: BM050061.D\data.ms

(77) Benzidine

19.392min (-0.012) 77464.20 ng

response 3260623

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.41
183.00	11.10	11.16
0.00	0.00	0.00

Raw Data: **BM050063.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:	PB167779BL	SDG No.:	Q1901
Lab Sample ID:	PB167779BL	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
BM050063.D	1	04/29/25 09:30	05/01/25 14:04	PB167779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	330	ug/Kg
108-95-2	Phenol	22.1	U	22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	24.3	U	24.3	170	ug/Kg
95-57-8	2-Chlorophenol	24.4	U	24.4	170	ug/Kg
95-48-7	2-Methylphenol	29.9	U	29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	37.5	170	ug/Kg
98-86-2	Acetophenone	29.5	U	29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	41.1	U	41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	47.4	80.0	ug/Kg
67-72-1	Hexachloroethane	17.6	U	17.6	170	ug/Kg
98-95-3	Nitrobenzene	18.3	U	18.3	170	ug/Kg
78-59-1	Isophorone	32.8	U	32.8	170	ug/Kg
88-75-5	2-Nitrophenol	58.2	U	58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	64.8	U	64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	28.3	U	28.3	170	ug/Kg
91-20-3	Naphthalene	22.7	U	22.7	170	ug/Kg
106-47-8	4-Chloroaniline	35.4	U	35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	25.3	U	25.3	170	ug/Kg
105-60-2	Caprolactam	52.1	U	52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	28.7	U	28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	25.6	U	25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	19.8	U	19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	29.1	U	29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	21.8	U	21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	22.5	U	22.5	170	ug/Kg
88-74-4	2-Nitroaniline	48.1	U	48.1	170	ug/Kg
131-11-3	Dimethylphthalate	27.1	U	27.1	170	ug/Kg

Raw Data: **BM050063.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:	PB167779BL	SDG No.:	Q1901
Lab Sample ID:	PB167779BL	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
BM050063.D	1	04/29/25 09:30	05/01/25 14:04	PB167779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	28.9	U	28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	33.6	U	33.6	170	ug/Kg
99-09-2	3-Nitroaniline	46.0	U	46.0	170	ug/Kg
83-32-9	Acenaphthene	21.3	U	21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	330	ug/Kg
132-64-9	Dibenzofuran	22.7	U	22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	50.1	U	50.1	170	ug/Kg
84-66-2	Diethylphthalate	28.3	U	28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	26.7	170	ug/Kg
86-73-7	Fluorene	25.3	U	25.3	170	ug/Kg
100-01-6	4-Nitroaniline	64.2	U	64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	32.9	U	32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	27.8	U	27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	25.3	U	25.3	170	ug/Kg
1912-24-9	Atrazine	34.0	U	34.0	170	ug/Kg
87-86-5	Pentachlorophenol	51.3	U	51.3	330	ug/Kg
85-01-8	Phenanthrene	20.9	U	20.9	170	ug/Kg
120-12-7	Anthracene	33.3	U	33.3	170	ug/Kg
86-74-8	Carbazole	31.2	U	31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	47.9	U	47.9	170	ug/Kg
206-44-0	Fluoranthene	30.0	U	30.0	170	ug/Kg
129-00-0	Pyrene	36.0	U	36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	71.4	U	71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	36.7	U	36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	23.0	U	23.0	170	ug/Kg
218-01-9	Chrysene	19.9	U	19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59.2	U	59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	86.8	U	86.8	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	19.0	U	19.0	170	ug/Kg

Raw Data: **BM050063.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:	PB167779BL	SDG No.:	Q1901
Lab Sample ID:	PB167779BL	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
BM050063.D	1	04/29/25 09:30	05/01/25 14:04	PB167779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	22.4	U	22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	29.5	U	29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	27.4	U	27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	25.7	U	25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	25.6	170	ug/Kg
123-91-1	1,4-Dioxane	45.2	U	45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	142		30 (18) - 130 (112)	95%	SPK: 150
13127-88-3	Phenol-d6	133		30 (15) - 130 (107)	89%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.4		30 (18) - 130 (107)	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.3		30 (20) - 130 (109)	88%	SPK: 100
118-79-6	2,4,6-Tribromophenol	139		30 (10) - 130 (116)	93%	SPK: 150
1718-51-0	Terphenyl-d14	106		30 (10) - 130 (105)	106%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	362000	7.751			
1146-65-2	Naphthalene-d8	1210000	10.545			
15067-26-2	Acenaphthene-d10	721000	14.398			
1517-22-2	Phenanthrene-d10	1340000	17.145			
1719-03-5	Chrysene-d12	1130000	21.386			
1520-96-3	Perylene-d12	1130000	24.374			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	A		4.89	ug/Kg

Raw Data: **BM050063.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:	PB167779BL			SDG No.:	Q1901
Lab Sample ID:	PB167779BL			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
BM050063.D	1	04/29/25 09:30	05/01/25 14:04	PB167779

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_M\Data\BM050125\
Data File : BM050063.D
Acq On : 01 May 2025 14:04
Operator : RC/JU
Sample : PB167779BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167779BL

Quant Time: May 01 14:50:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

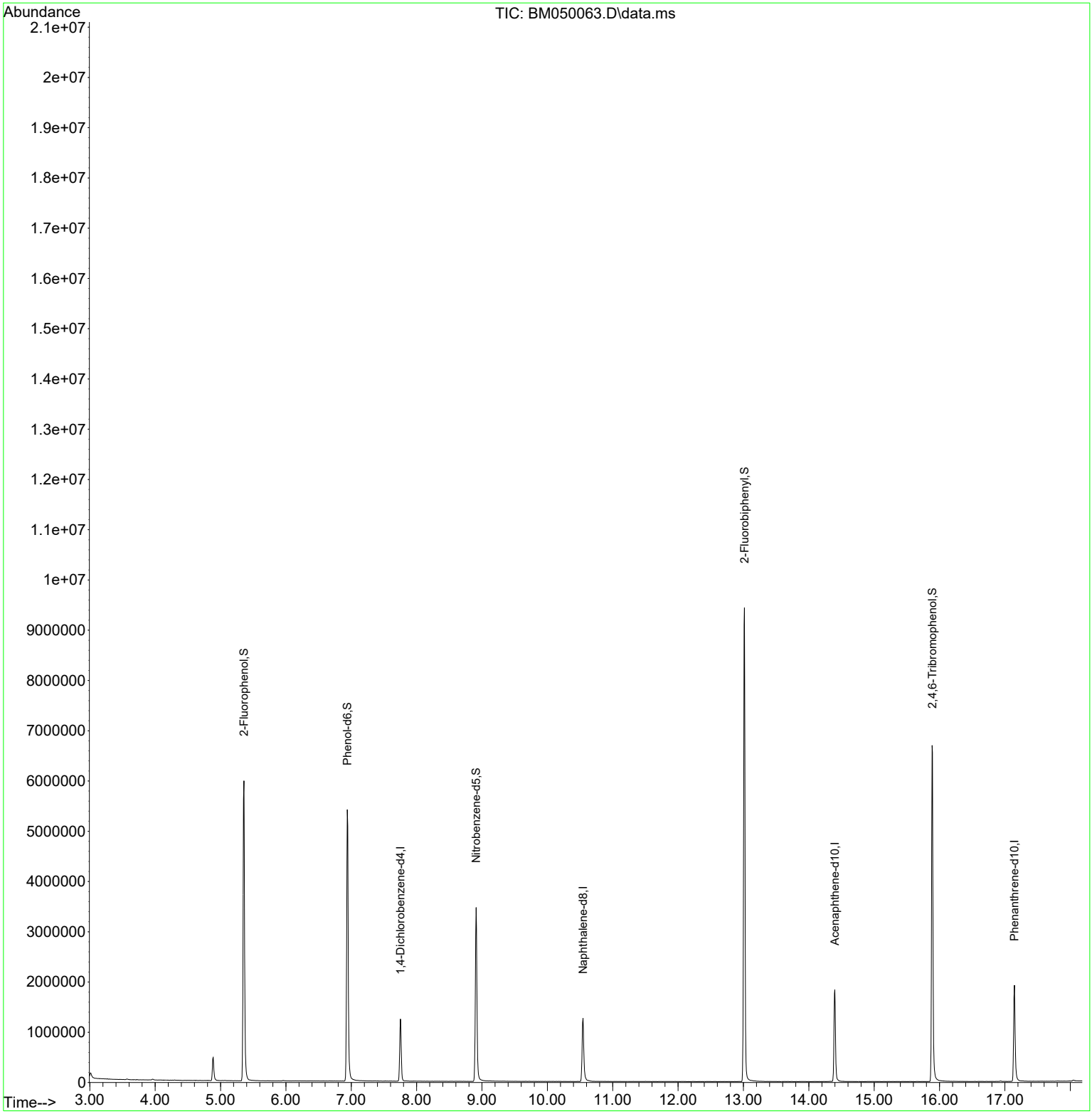
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.751	152	362102	20.000	ng	-0.02
21) Naphthalene-d8	10.545	136	1207361	20.000	ng	-0.02
39) Acenaphthene-d10	14.398	164	720688	20.000	ng	-0.01
64) Phenanthrene-d10	17.145	188	1342353	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	1132572	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1130011	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	2945826	142.456	ng	0.00
7) Phenol-d6	6.940	99	3469180	133.478	ng	-0.01
23) Nitrobenzene-d5	8.910	82	2142058	87.425	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	1478724	138.765	ng	-0.01
45) 2-Fluorobiphenyl	13.016	172	5379270	88.299	ng	-0.02
79) Terphenyl-d14	19.768	244	8132476	106.253	ng	-0.01
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050063.D
Acq On : 01 May 2025 14:04
Operator : RC/JU
Sample : PB167779BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167779BL

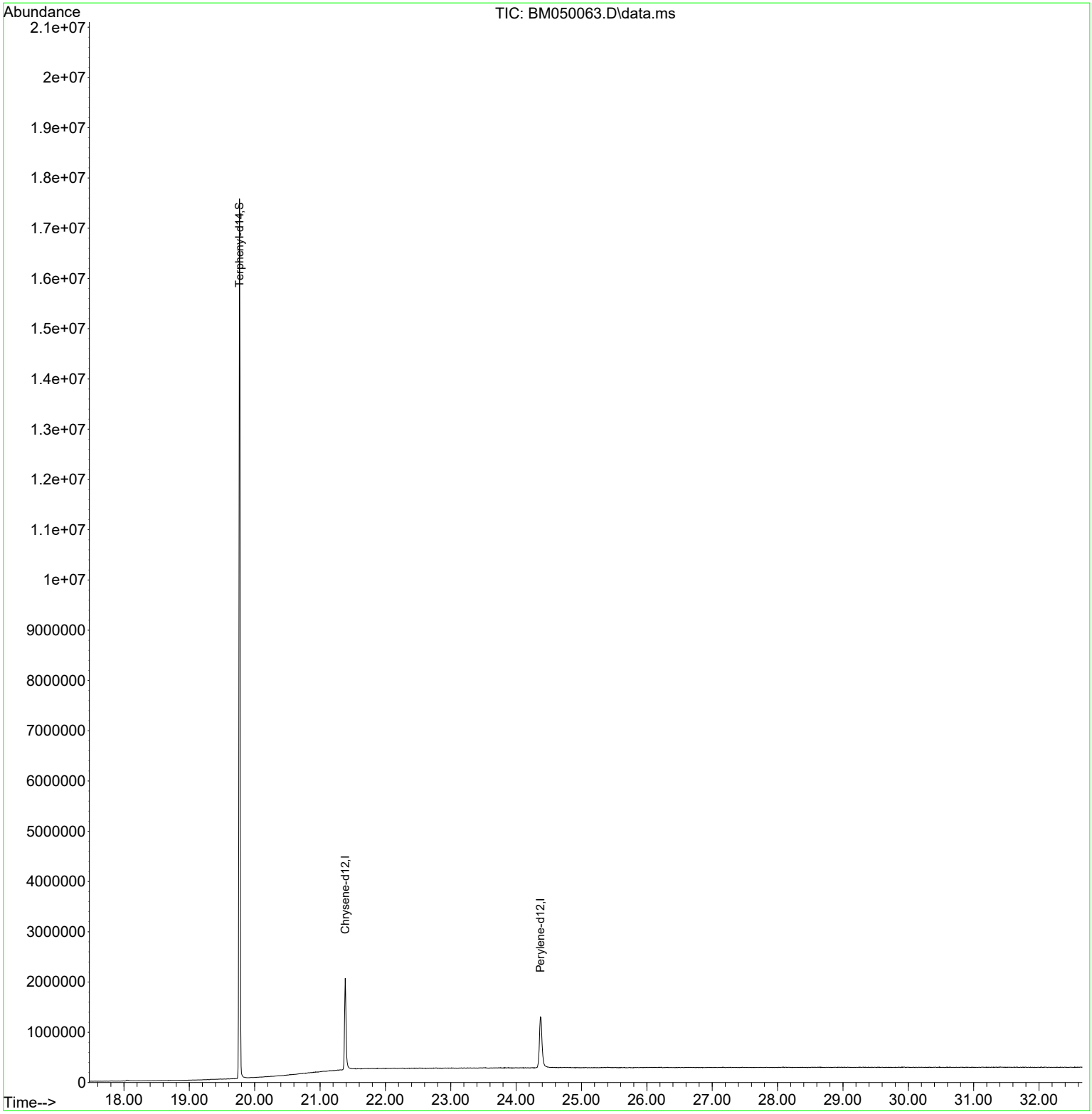
Quant Time: May 01 14:50:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

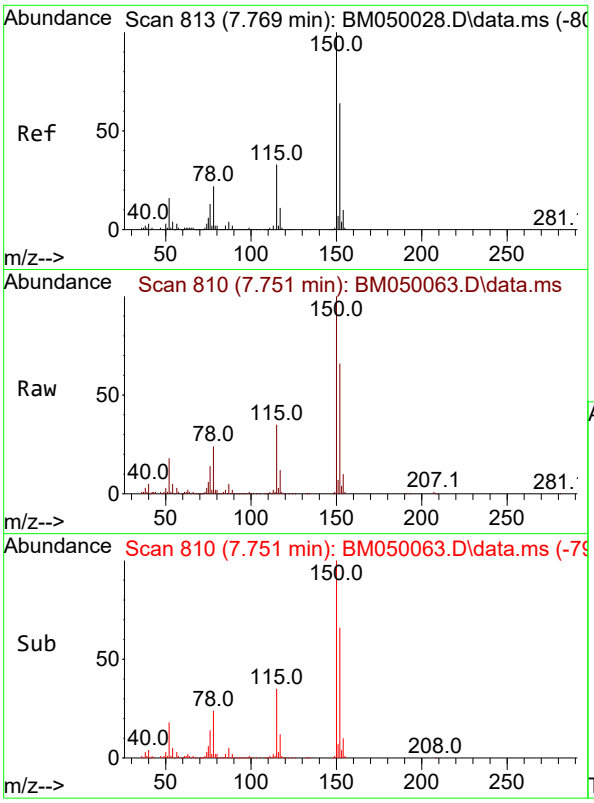


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050063.D
Acq On : 01 May 2025 14:04
Operator : RC/JU
Sample : PB167779BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167779BL

Quant Time: May 01 14:50:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



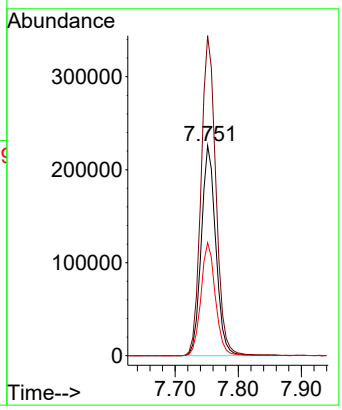


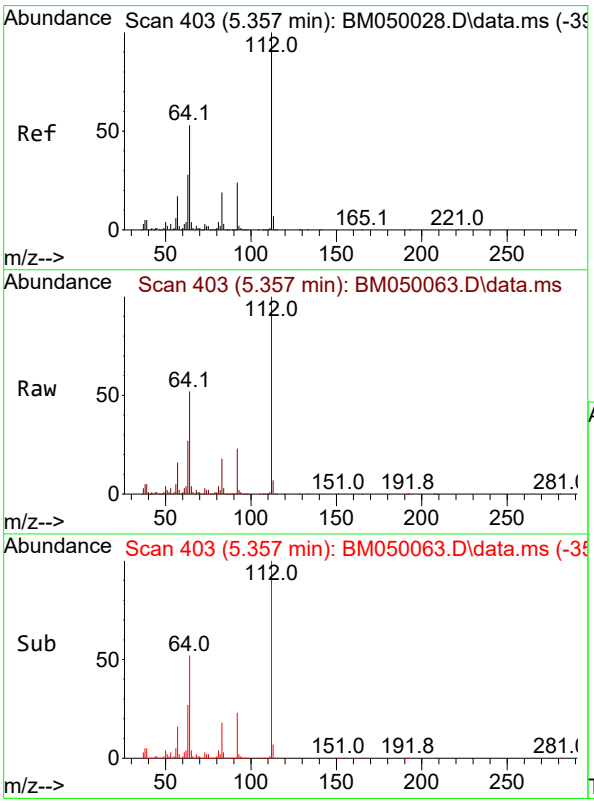
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.751 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM050063.D
Acq: 01 May 2025 14:04

Instrument :
BNA_M
ClientSampleId :
PB167779BL

Tgt Ion:152 Resp: 362102

Ion	Ratio	Lower	Upper
152	100		
150	152.4	124.1	186.1
115	53.8	41.2	61.8

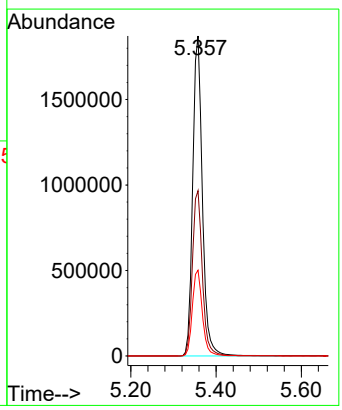


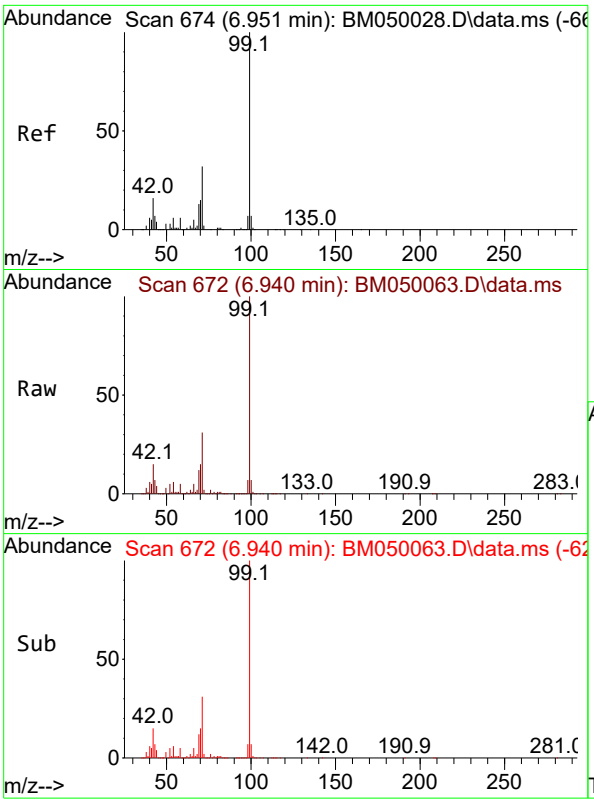


#5
2-Fluorophenol
Concen: 142.456 ng
RT: 5.357 min Scan# 403
Delta R.T. 0.000 min
Lab File: BM050063.D
Acq: 01 May 2025 14:04

Tgt Ion:112 Resp: 2945826

Ion	Ratio	Lower	Upper
112	100		
64	51.7	42.6	64.0
63	26.8	22.2	33.4



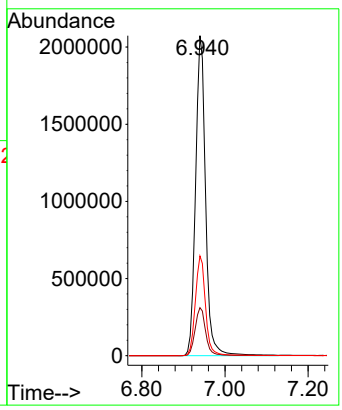


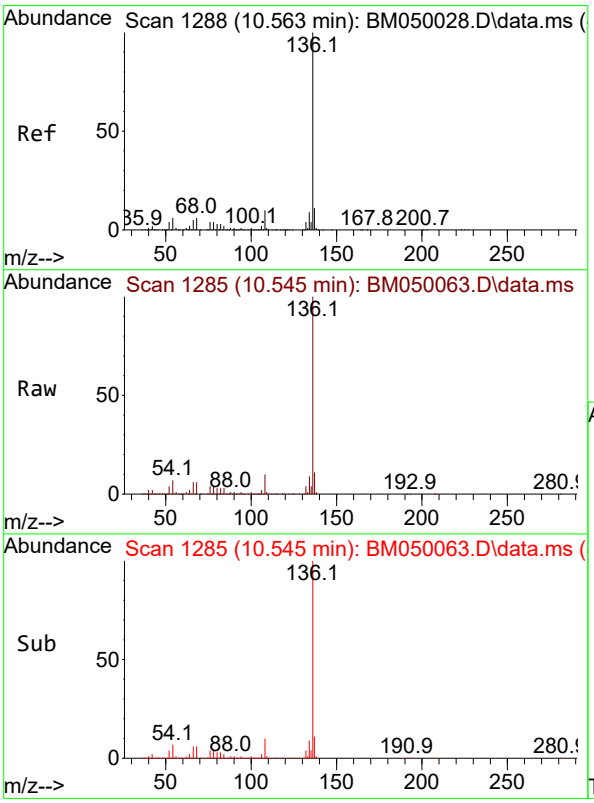
#7
Phenol-d6
Concen: 133.478 ng
RT: 6.940 min Scan# 6
Delta R.T. -0.012 min
Lab File: BM050063.D
Acq: 01 May 2025 14:04

Instrument :
BNA_M
ClientSampleId :
PB167779BL

Tgt Ion: 99 Resp: 3469180

Ion	Ratio	Lower	Upper
99	100		
42	15.0	13.0	19.4
71	31.2	25.6	38.4

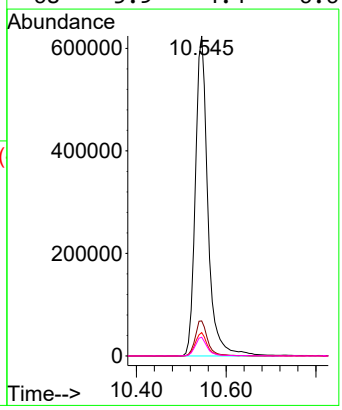


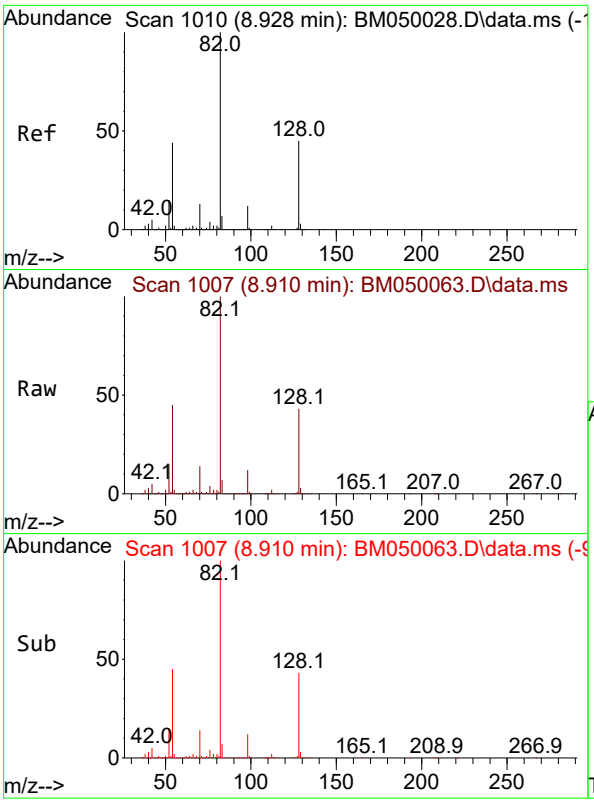


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.545 min Scan# 1285
Delta R.T. -0.018 min
Lab File: BM050063.D
Acq: 01 May 2025 14:04

Tgt Ion:136 Resp: 1207361

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.3	5.1	7.7
68	5.9	4.4	6.6



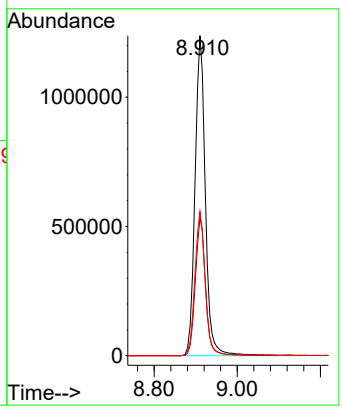


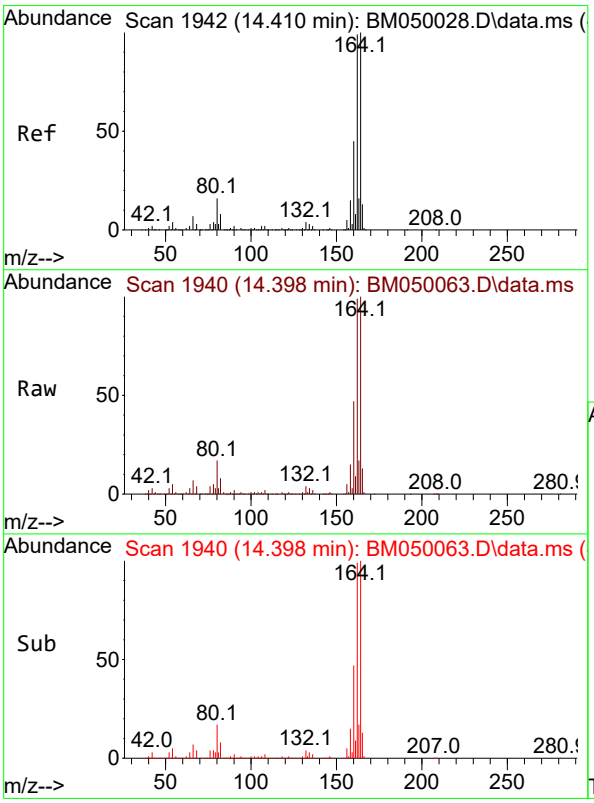
#23
Nitrobenzene-d5
Concen: 87.425 ng
RT: 8.910 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050063.D
Acq: 01 May 2025 14:04

Instrument :
BNA_M
ClientSampleId :
PB167779BL

Tgt Ion: 82 Resp: 2142058

Ion	Ratio	Lower	Upper
82	100		
128	43.3	35.7	53.5
54	45.0	35.4	53.2

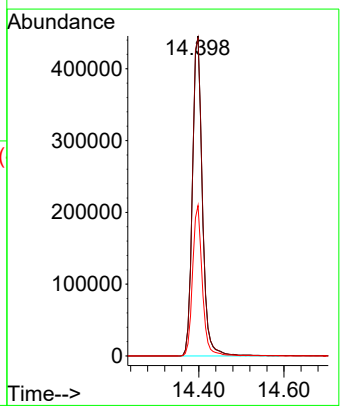


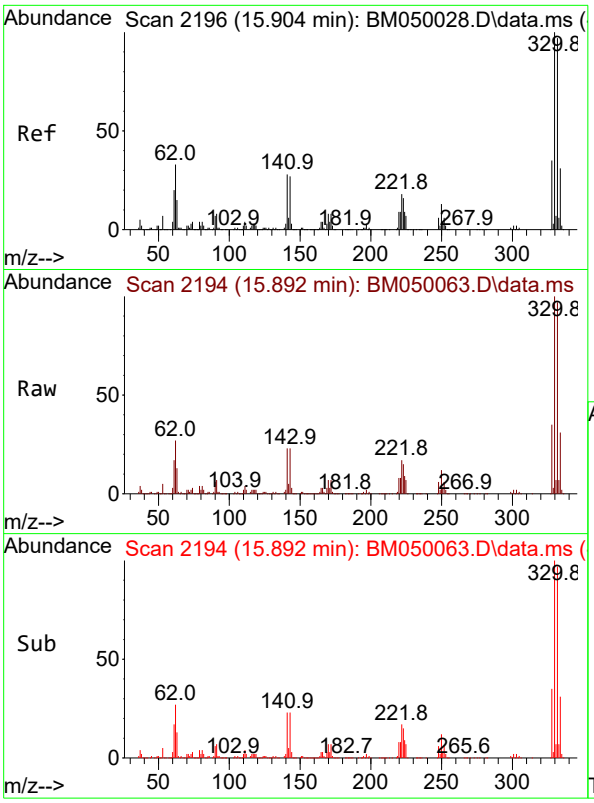


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.398 min Scan# 1940
Delta R.T. -0.012 min
Lab File: BM050063.D
Acq: 01 May 2025 14:04

Tgt Ion:164 Resp: 720688

Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.4	119.0
160	47.0	36.2	54.4



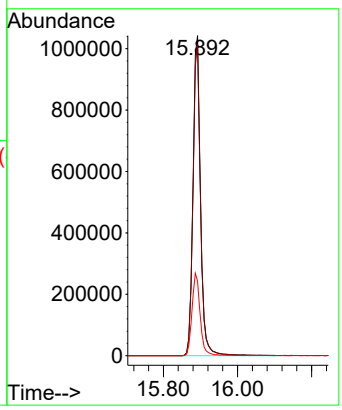


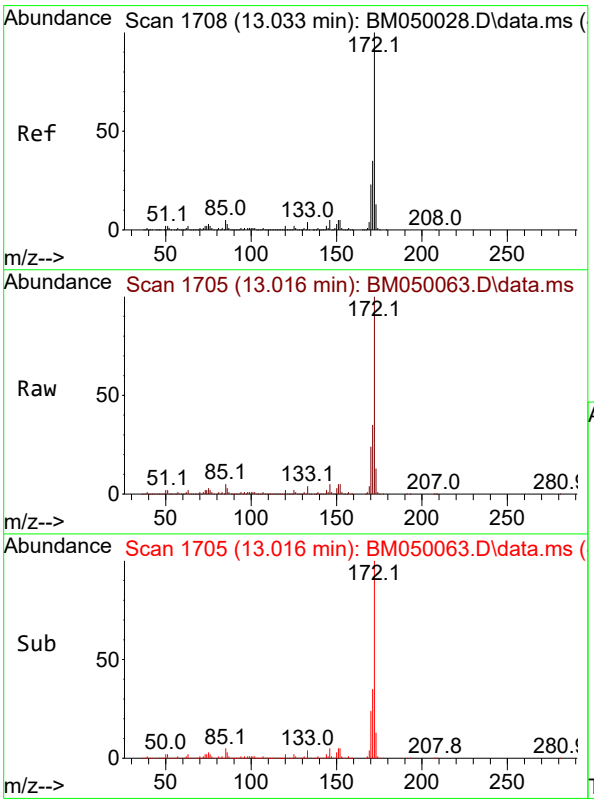
#42
2,4,6-Tribromophenol
Concen: 138.765 ng
RT: 15.892 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050063.D
Acq: 01 May 2025 14:04

Instrument :
BNA_M
ClientSampleId :
PB167779BL

Tgt Ion:330 Resp: 1478724

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.3	115.9
141	27.8	22.5	33.7

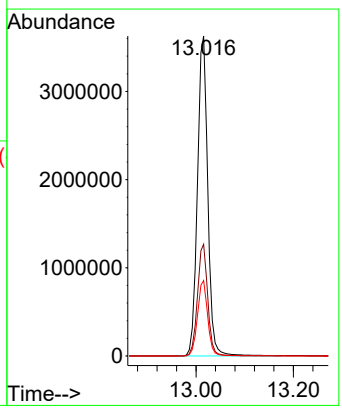


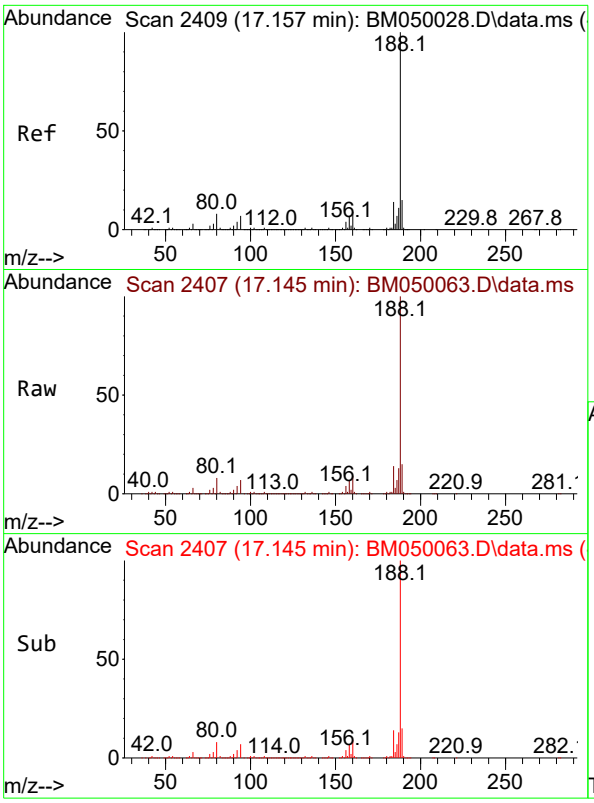


#45
2-Fluorobiphenyl
Concen: 88.299 ng
RT: 13.016 min Scan# 1705
Delta R.T. -0.018 min
Lab File: BM050063.D
Acq: 01 May 2025 14:04

Tgt Ion:172 Resp: 5379270

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.8	41.6
170	23.6	18.6	28.0



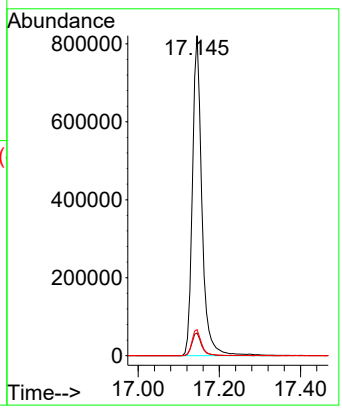


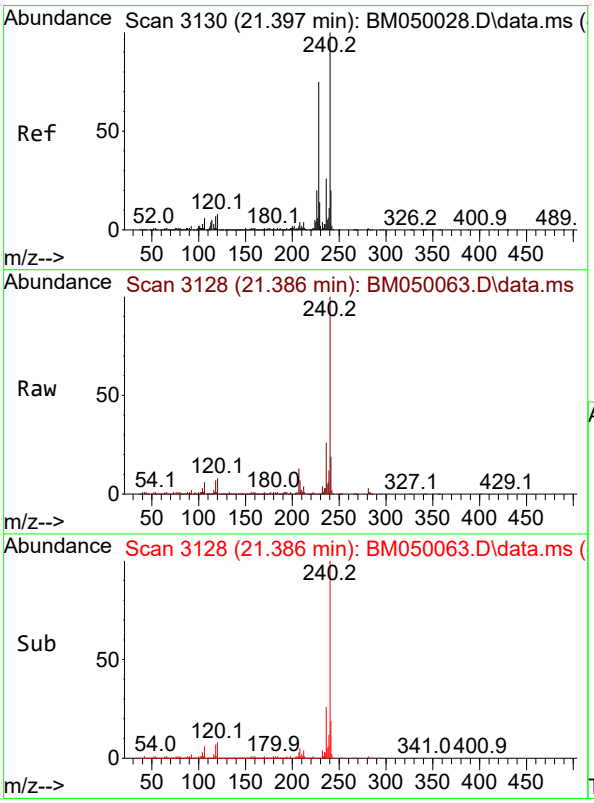
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 24
Delta R.T. -0.012 min
Lab File: BM050063.D
Acq: 01 May 2025 14:04

Instrument :
BNA_M
ClientSampleId :
PB167779BL

Tgt Ion:188 Resp: 1342353

Ion	Ratio	Lower	Upper
188	100		
94	7.1	5.7	8.5
80	8.2	6.2	9.4

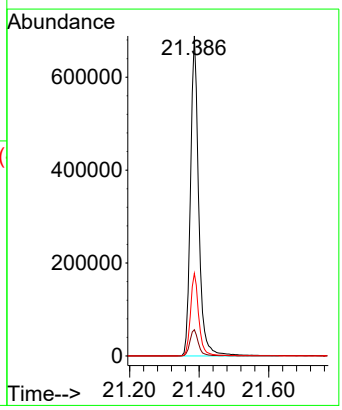


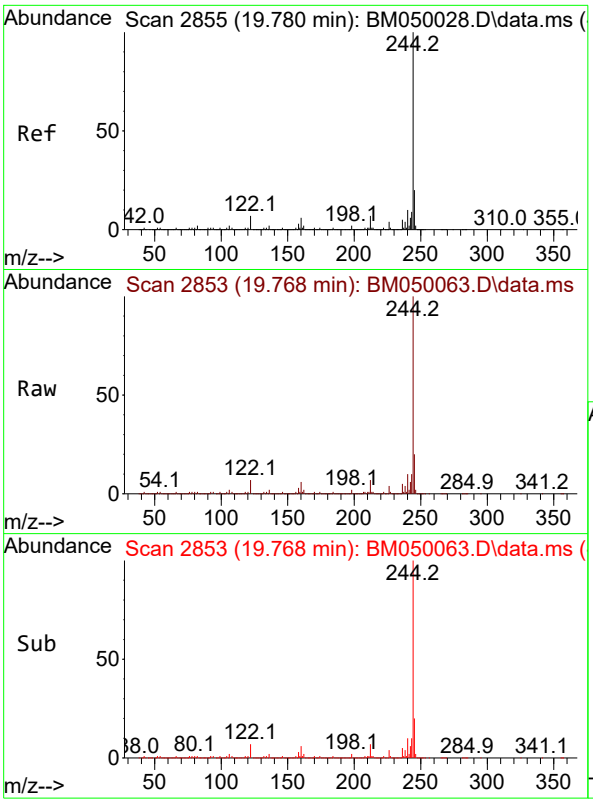


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.011 min
Lab File: BM050063.D
Acq: 01 May 2025 14:04

Tgt Ion:240 Resp: 1132572

Ion	Ratio	Lower	Upper
240	100		
120	8.2	6.5	9.7
236	25.8	20.9	31.3



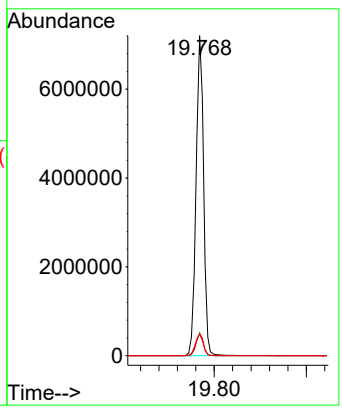


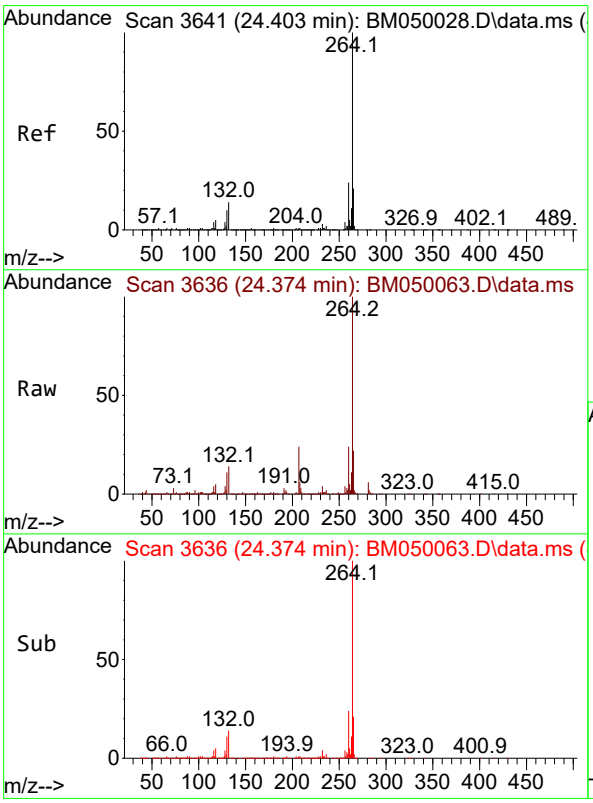
#79
Terphenyl-d14
Concen: 106.253 ng
RT: 19.768 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050063.D
Acq: 01 May 2025 14:04

Instrument :
BNA_M
ClientSampleId :
PB167779BL

Tgt Ion:244 Resp: 8132476

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	6.7	5.6	8.4

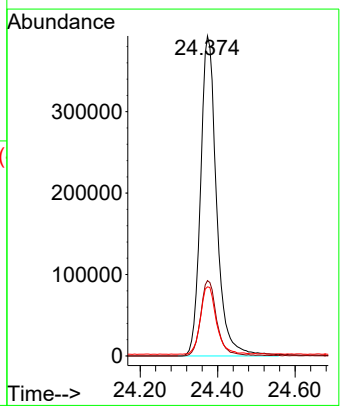




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 3636
Delta R.T. -0.029 min
Lab File: BM050063.D
Acq: 01 May 2025 14:04

Tgt Ion:264 Resp: 1130011

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.8	28.2
265	21.6	17.0	25.4



Sample Results: **BM050063.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050063.D
Acq On : 01 May 2025 14:04
Operator : RC/JU
Sample : PB167779BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167779BL

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM050063.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.887	317	323	334	rBV	459799	758641	3.77%	0.876%
2	5.357	396	403	425	rBV	5969687	9594842	47.74%	11.079%
3	6.940	663	672	700	rBV	5402362	9347783	46.51%	10.794%
4	7.751	803	810	822	rBV	1234998	1998520	9.94%	2.308%
5	8.910	998	1007	1029	rBV	3459132	6011582	29.91%	6.941%
6	10.545	1278	1285	1309	rBV	1253618	2408398	11.98%	2.781%
7	13.016	1697	1705	1723	rBV	9432172	14265690	70.98%	16.472%
8	14.398	1933	1940	1953	rBV	1827170	2956725	14.71%	3.414%
9	15.886	2186	2193	2215	rBV	6688411	10207325	50.79%	11.786%
10	17.145	2399	2407	2425	rBV	1914784	3145791	15.65%	3.632%
11	19.768	2847	2853	2864	rBV	17505231	20097125	100.00%	23.206%
12	21.386	3122	3128	3143	rBV	1815201	2996517	14.91%	3.460%
13	24.374	3628	3636	3655	rVB	996721	2814993	14.01%	3.250%

Sum of corrected areas: 86603932

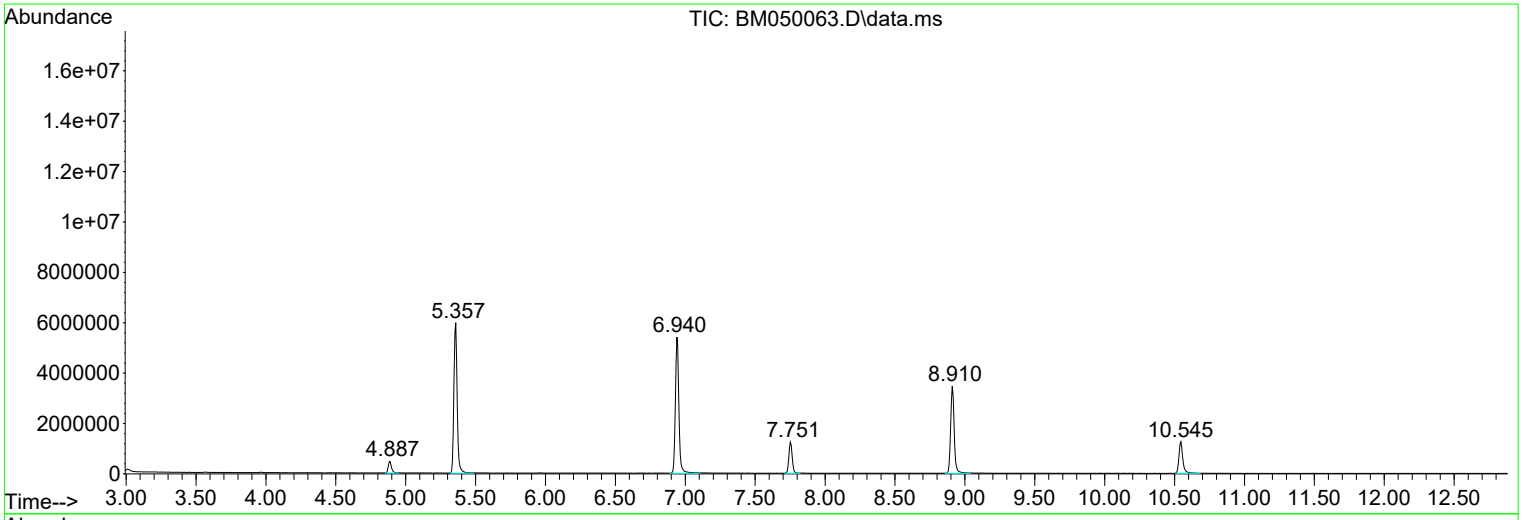
Sample Results: **BM050063.D**

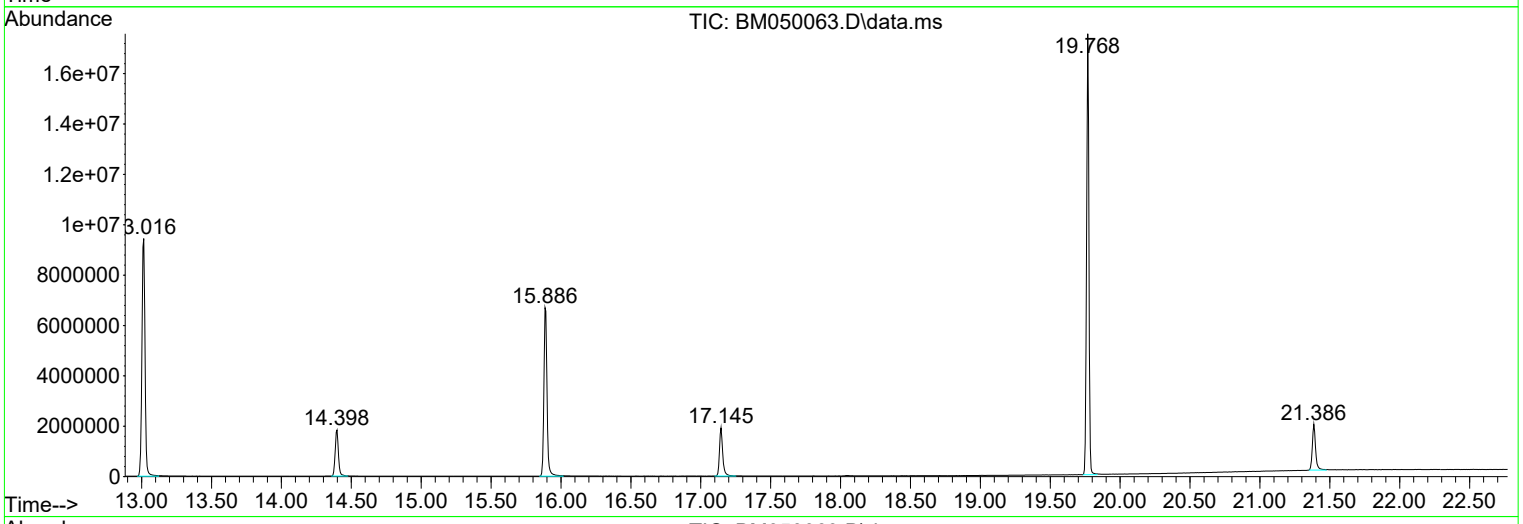
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050063.D
Acq On : 01 May 2025 14:04
Operator : RC/JU
Sample : PB167779BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

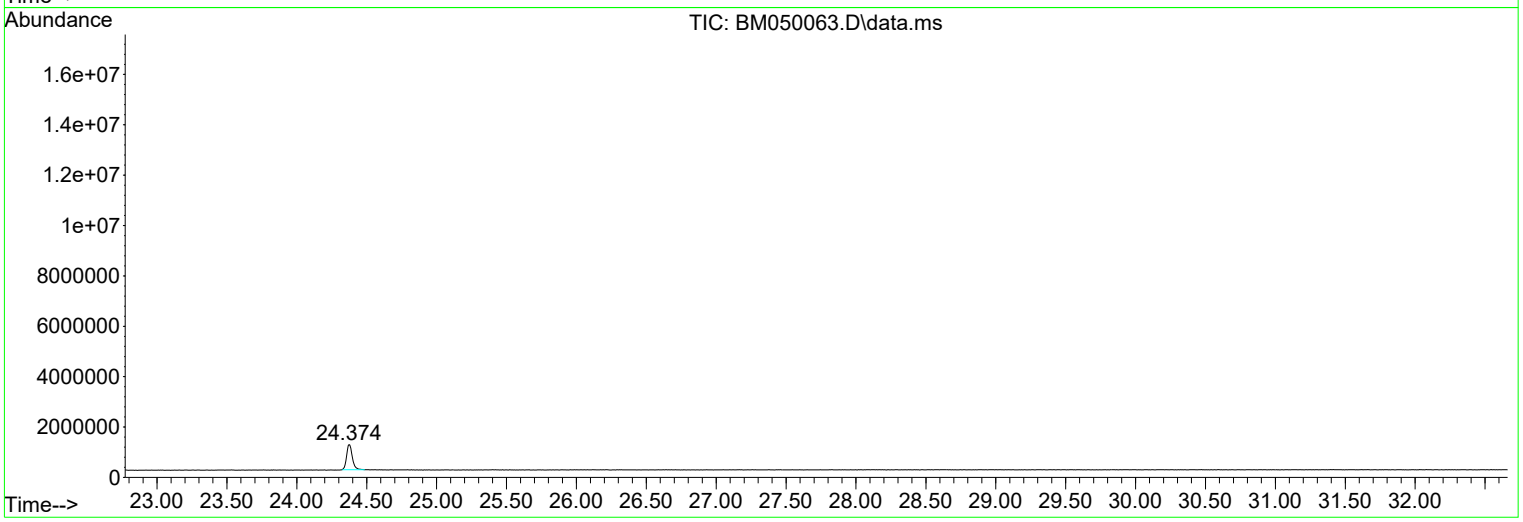
Instrument :
BNA_M
ClientSampleId :
PB167779BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050063.D
Acq On : 01 May 2025 14:04
Operator : RC/JU
Sample : PB167779BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167779BL

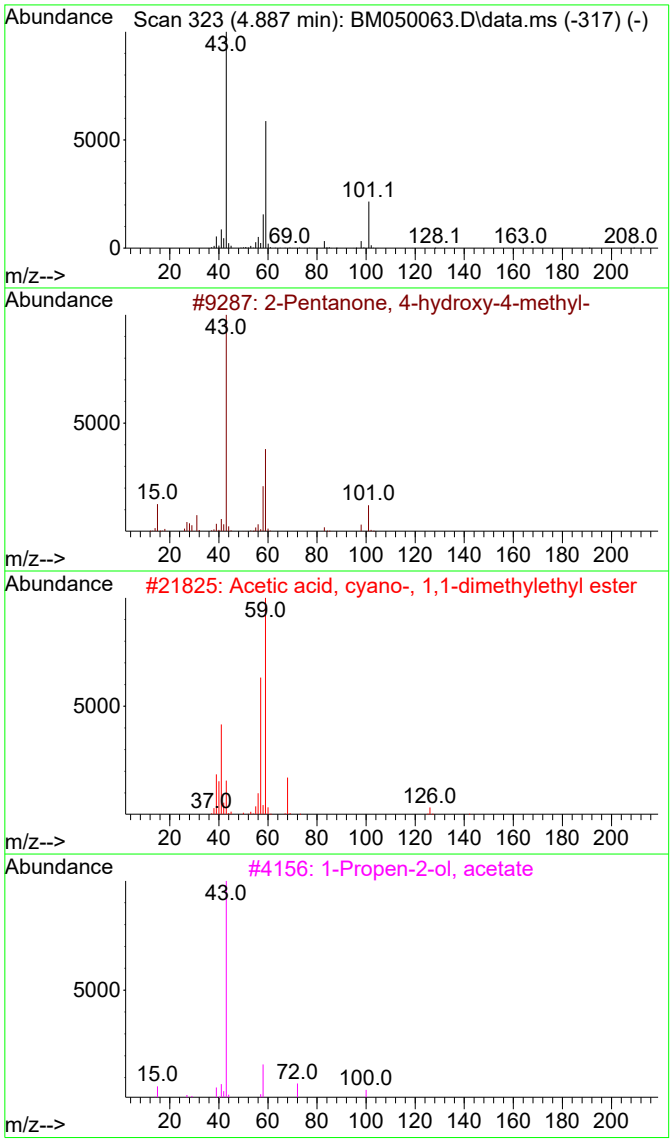
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

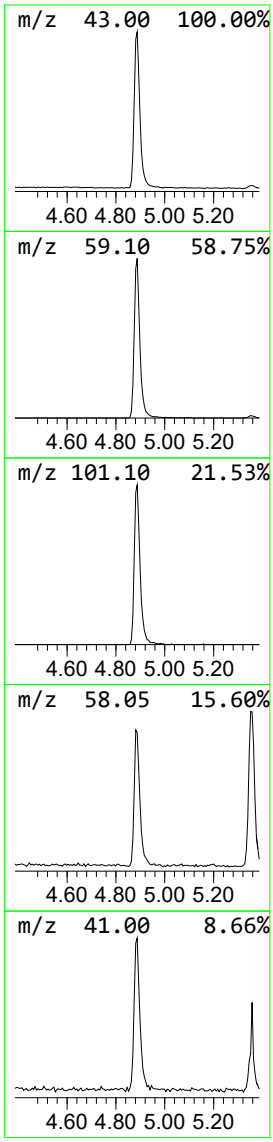
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.887	7.59 ng	758641	1,4-Dichlorobenzene-d4	7.751

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050063.D
Acq On : 01 May 2025 14:04
Operator : RC/JU
Sample : PB167779BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167779BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.887	7.6	ng	758641	1	7.751	1998520	20.0

Raw Data: **BF142251.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:	PB167798BL	SDG No.:	Q1901
Lab Sample ID:	PB167798BL	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
BF142251.D	1	04/30/25 08:35	05/01/25 10:45	PB167798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.0	ug/L
108-95-2	Phenol	0.91	U	0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	5.00	ug/L
95-57-8	2-Chlorophenol	0.58	U	0.58	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)	1.30	U	1.30	5.00	ug/L
98-86-2	Acetophenone	0.74	U	0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.50	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
78-59-1	Isophorone	0.75	U	0.75	5.00	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.52	U	0.52	5.00	ug/L
91-20-3	Naphthalene	0.50	U	0.50	5.00	ug/L
106-47-8	4-Chloroaniline	0.84	U	0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
105-60-2	Caprolactam	1.10	U	1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.59	U	0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	0.56	U	0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	3.60	U	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	0.53	U	0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.61	U	0.61	5.00	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.00	ug/L
131-11-3	Dimethylphthalate	0.61	U	0.61	5.00	ug/L

Raw Data: **BF142251.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:	PB167798BL	SDG No.:	Q1901
Lab Sample ID:	PB167798BL	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
BF142251.D	1	04/30/25 08:35	05/01/25 10:45	PB167798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.75	U	0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	0.92	U	0.92	5.00	ug/L
99-09-2	3-Nitroaniline	1.10	U	1.10	5.00	ug/L
83-32-9	Acenaphthene	0.55	U	0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.00	U	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.0	ug/L
132-64-9	Dibenzofuran	0.61	U	0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
84-66-2	Diethylphthalate	0.69	U	0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	0.68	5.00	ug/L
86-73-7	Fluorene	0.63	U	0.63	5.00	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.58	U	0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
85-01-8	Phenanthrene	0.50	U	0.50	5.00	ug/L
120-12-7	Anthracene	0.61	U	0.61	5.00	ug/L
86-74-8	Carbazole	0.72	U	0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.00	ug/L
206-44-0	Fluoranthene	0.82	U	0.82	5.00	ug/L
129-00-0	Pyrene	0.50	U	0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	0.93	U	0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.00	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.30	U	2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.00	ug/L

Raw Data: **BF142251.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:	PB167798BL	SDG No.:	Q1901
Lab Sample ID:	PB167798BL	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
BF142251.D	1	04/30/25 08:35	05/01/25 10:45	PB167798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	5.00	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	113		15 (10) - 110 (139)	76%	SPK: 150
13127-88-3	Phenol-d6	113		15 (10) - 110 (134)	76%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.3		30 (49) - 130 (133)	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.4		30 (52) - 130 (132)	70%	SPK: 100
118-79-6	2,4,6-Tribromophenol	118		15 (44) - 110 (137)	79%	SPK: 150
1718-51-0	Terphenyl-d14	64.3		30 (48) - 130 (125)	64%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	228000	6.904			
1146-65-2	Naphthalene-d8	877000	8.187			
15067-26-2	Acenaphthene-d10	467000	9.945			
1517-22-2	Phenanthrene-d10	827000	11.428			
1719-03-5	Chrysene-d12	587000	14.069			
1520-96-3	Perylene-d12	407000	15.563			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	8.70	A		5.15	ug/L

Raw Data: **BF142251.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:	PB167798BL			SDG No.:	Q1901
Lab Sample ID:	PB167798BL			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
BF142251.D	1	04/30/25 08:35	05/01/25 10:45	PB167798

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\BF050125\
Data File : BF142251.D
Acq On : 01 May 2025 10:45
Operator : RC/JU
Sample : PB167798BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167798BL

Quant Time: May 01 11:47:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

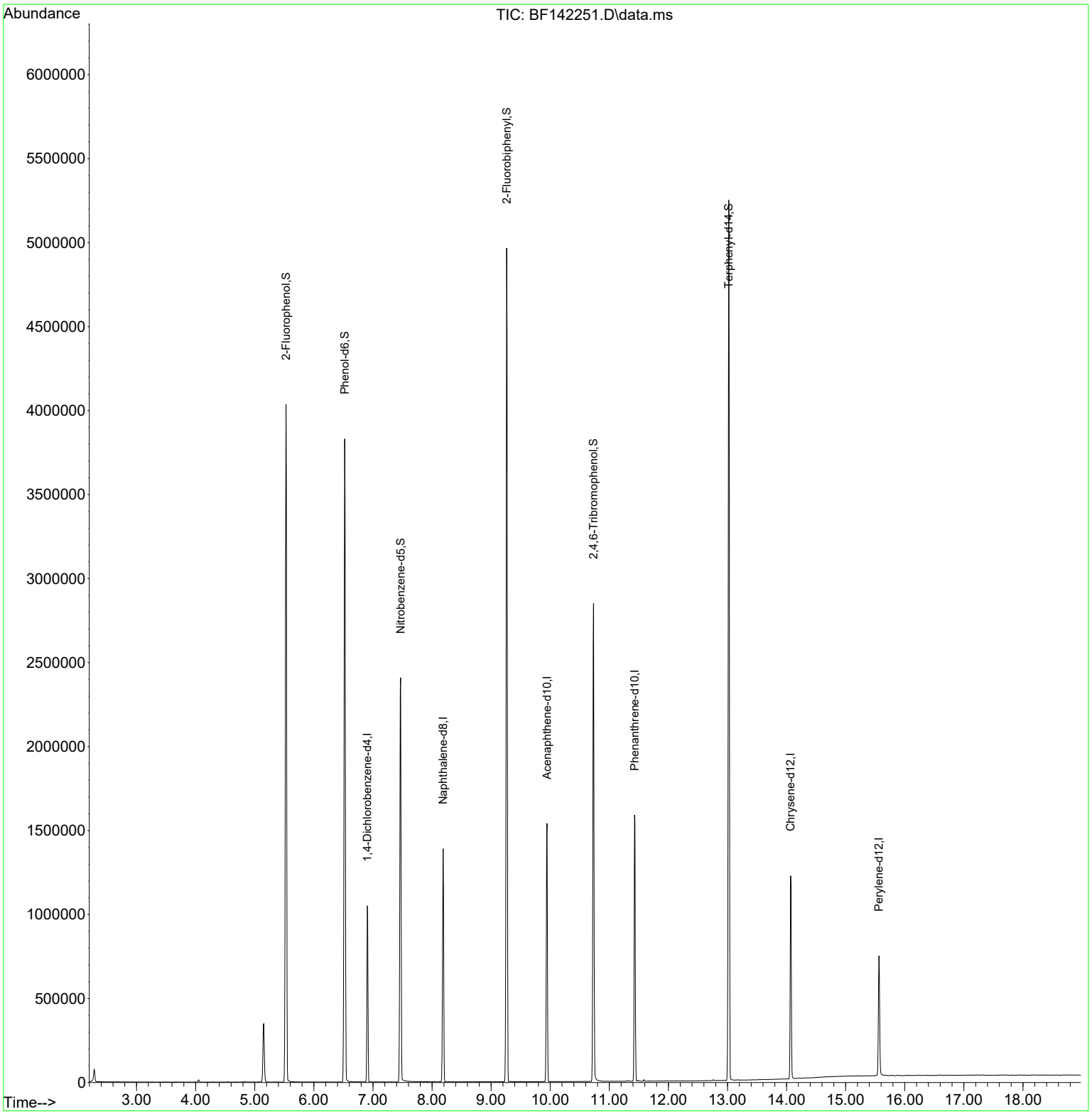
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	227901	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	877397	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	467254	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	826787	20.000	ng	0.00
76) Chrysene-d12	14.069	240	587490	20.000	ng	0.00
86) Perylene-d12	15.563	264	406867	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1618858	113.445	ng	0.01
7) Phenol-d6	6.522	99	1952554	113.309	ng	0.00
23) Nitrobenzene-d5	7.469	82	1072746	80.325	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	504593	118.458	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2332756	70.392	ng	0.00
79) Terphenyl-d14	13.022	244	2599136	64.345	ng	0.00
Target Compounds						Qvalue

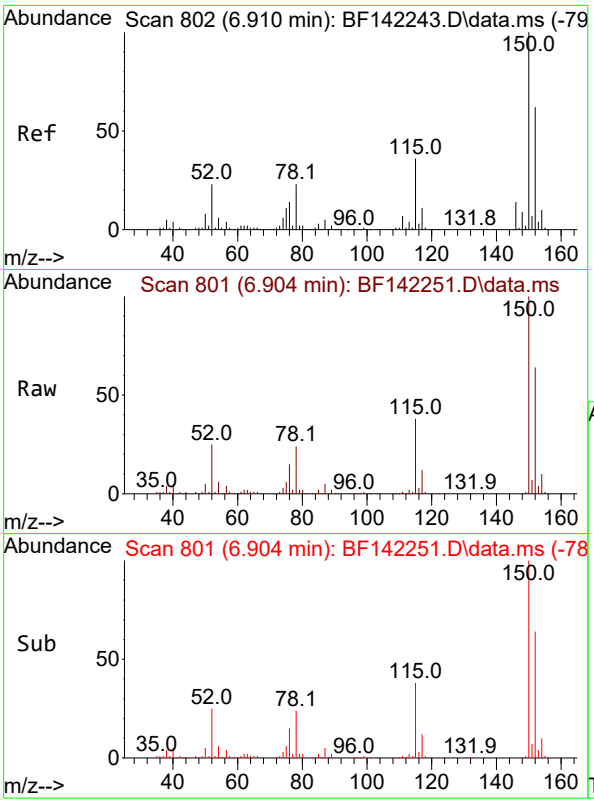
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142251.D
Acq On : 01 May 2025 10:45
Operator : RC/JU
Sample : PB167798BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167798BL

Quant Time: May 01 11:47:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration



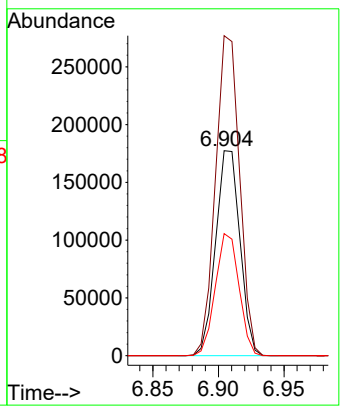


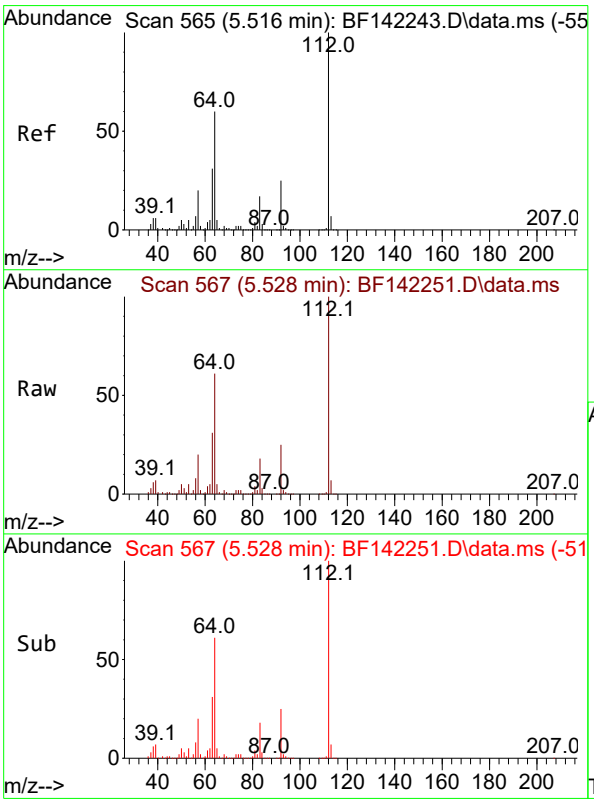
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142251.D
Acq: 01 May 2025 10:45

Instrument :
BNA_F
ClientSampleId :
PB167798BL

Tgt Ion:152 Resp: 227901

Ion	Ratio	Lower	Upper
152	100		
150	156.2	130.2	195.2
115	59.6	47.0	70.4

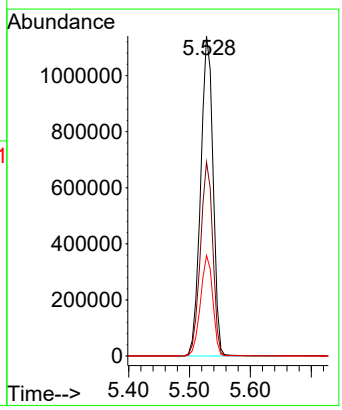


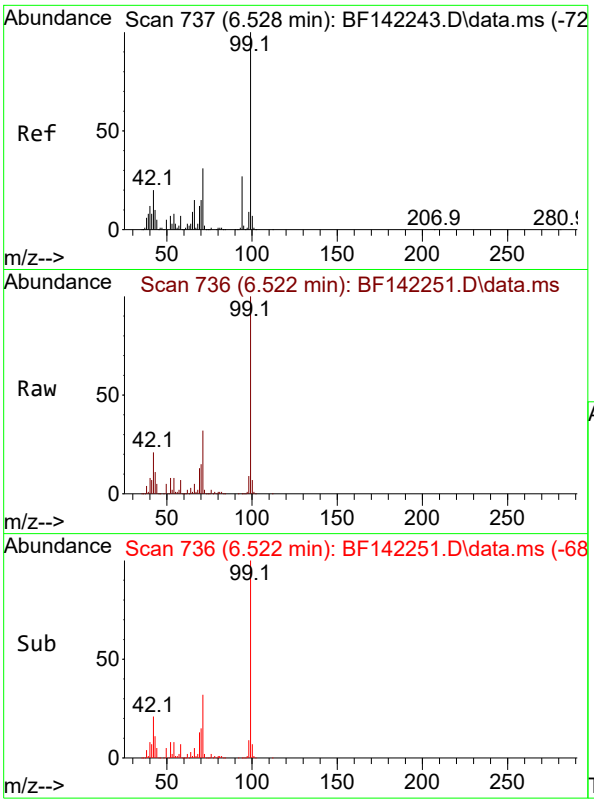


#5
2-Fluorophenol
Concen: 113.445 ng
RT: 5.528 min Scan# 567
Delta R.T. 0.012 min
Lab File: BF142251.D
Acq: 01 May 2025 10:45

Tgt Ion:112 Resp: 1618858

Ion	Ratio	Lower	Upper
112	100		
64	60.6	48.4	72.6
63	31.4	24.8	37.2



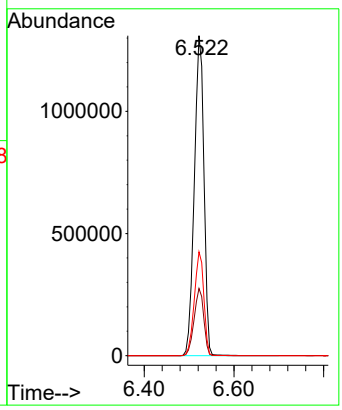


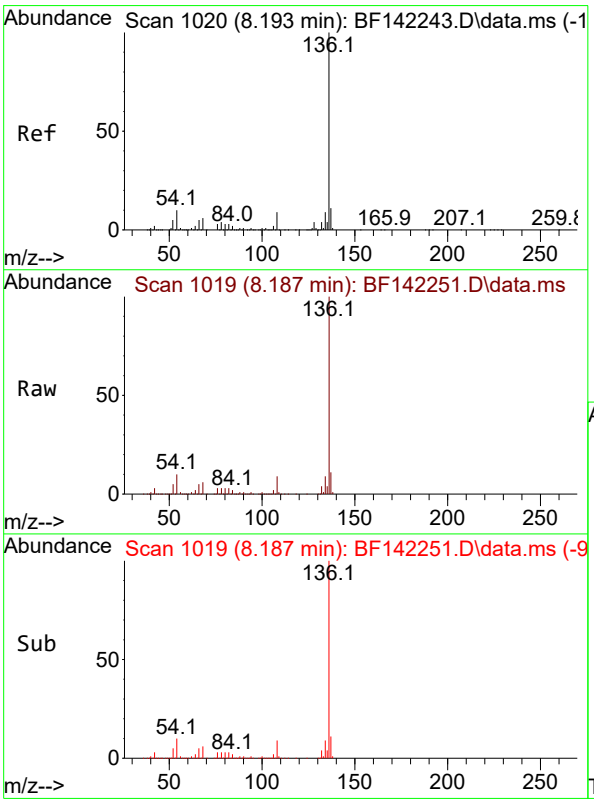
#7
Phenol-d6
Concen: 113.309 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142251.D
Acq: 01 May 2025 10:45

Instrument :
BNA_F
ClientSampleId :
PB167798BL

Tgt Ion: 99 Resp: 1952554

Ion	Ratio	Lower	Upper
99	100		
42	21.0	16.3	24.5
71	32.4	25.0	37.4

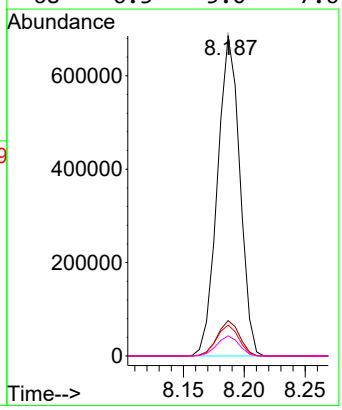


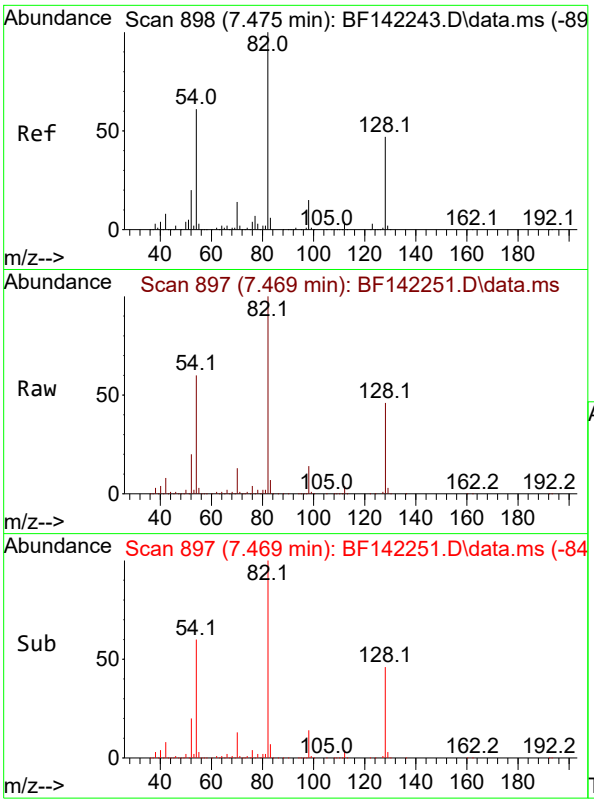


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142251.D
Acq: 01 May 2025 10:45

Tgt Ion:136 Resp: 877397

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	9.7	7.7	11.5
68	6.3	5.0	7.6



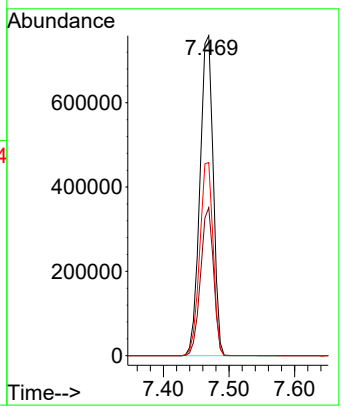


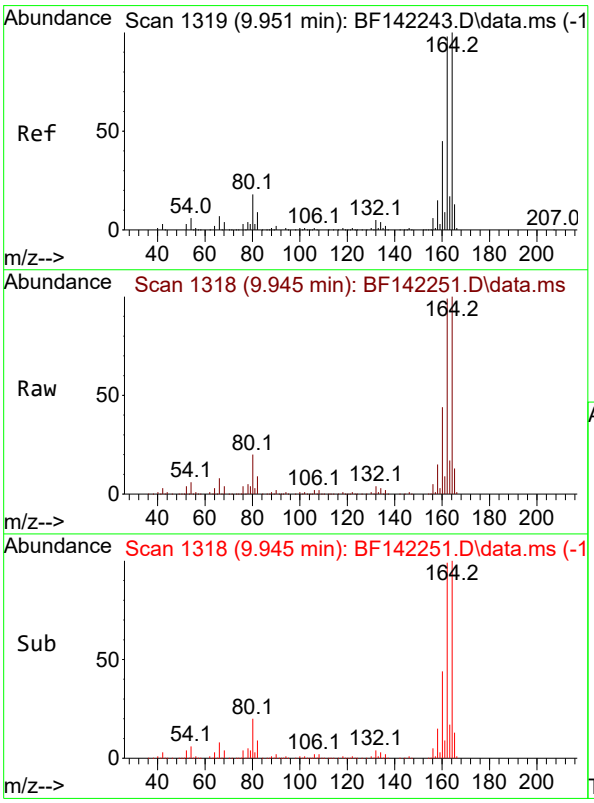
#23
Nitrobenzene-d5
Concen: 80.325 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142251.D
Acq: 01 May 2025 10:45

Instrument :
BNA_F
ClientSampleId :
PB167798BL

Tgt Ion: 82 Resp: 1072746

Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.0	55.6
54	60.4	48.0	72.0

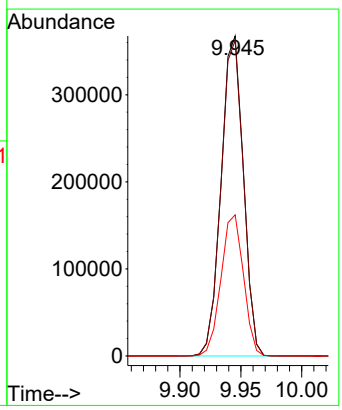


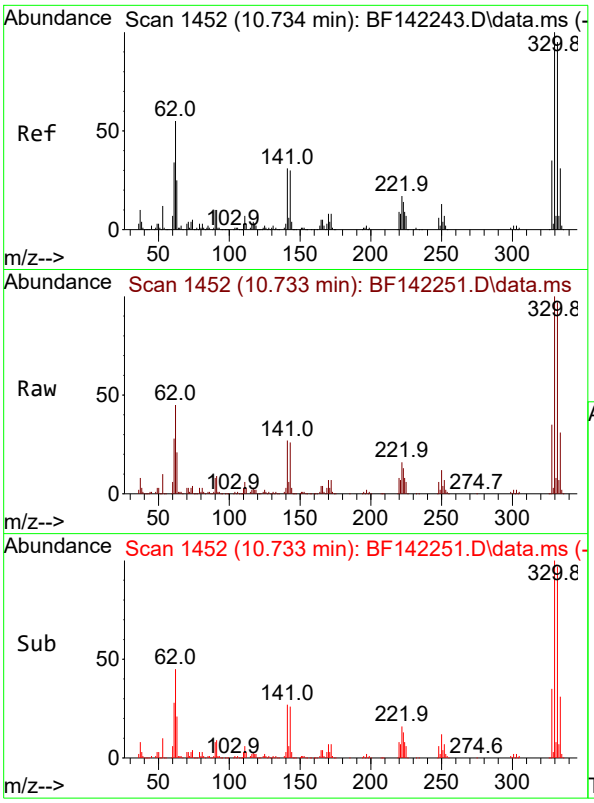


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF142251.D
Acq: 01 May 2025 10:45

Tgt Ion:164 Resp: 467254

Ion	Ratio	Lower	Upper
164	100		
162	98.6	78.6	117.8
160	44.1	35.7	53.5



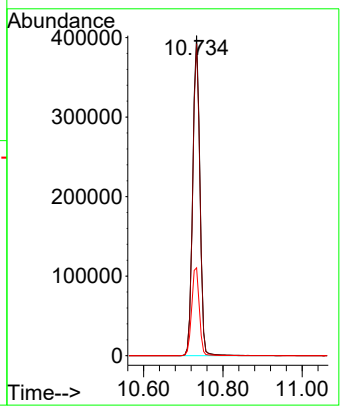


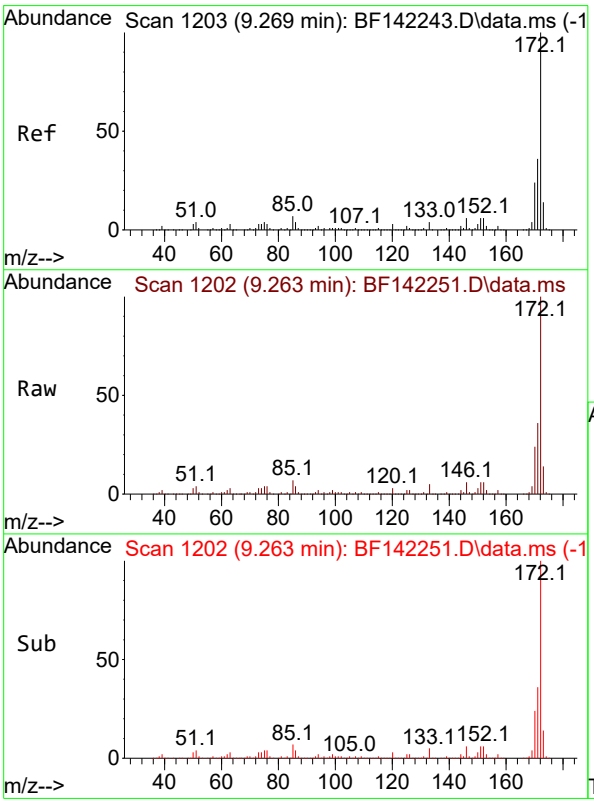
#42
2,4,6-Tribromophenol
Concen: 118.458 ng
RT: 10.733 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142251.D
Acq: 01 May 2025 10:45

Instrument :
BNA_F
ClientSampleId :
PB167798BL

Tgt Ion:330 Resp: 504593

Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.5	114.7
141	29.4	24.3	36.5

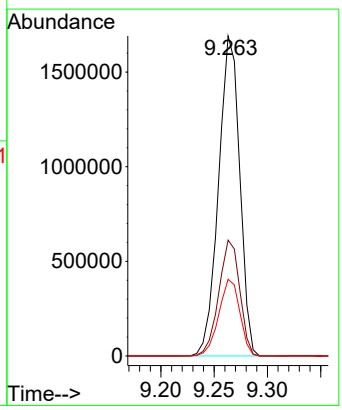


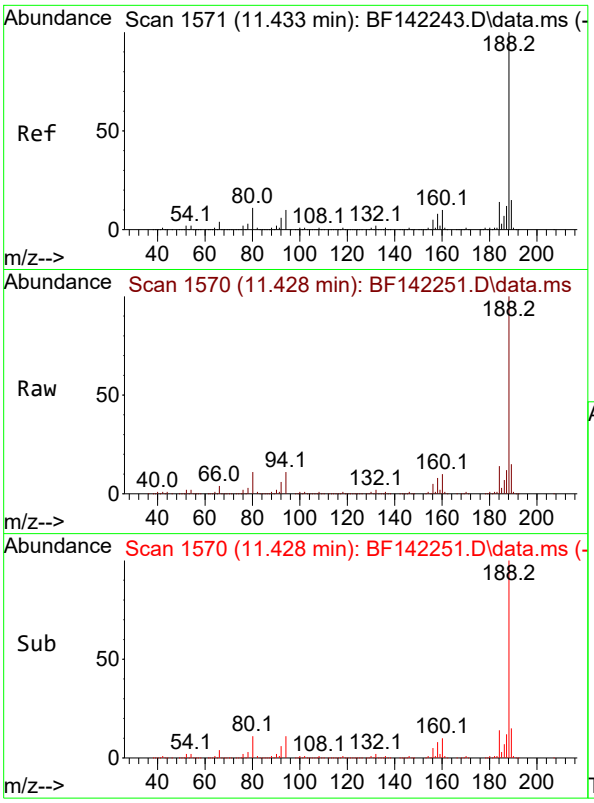


#45
2-Fluorobiphenyl
Concen: 70.392 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF142251.D
Acq: 01 May 2025 10:45

Tgt Ion:172 Resp: 2332756

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.0	43.4
170	23.9	19.4	29.0



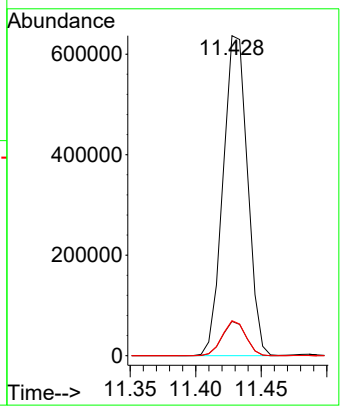


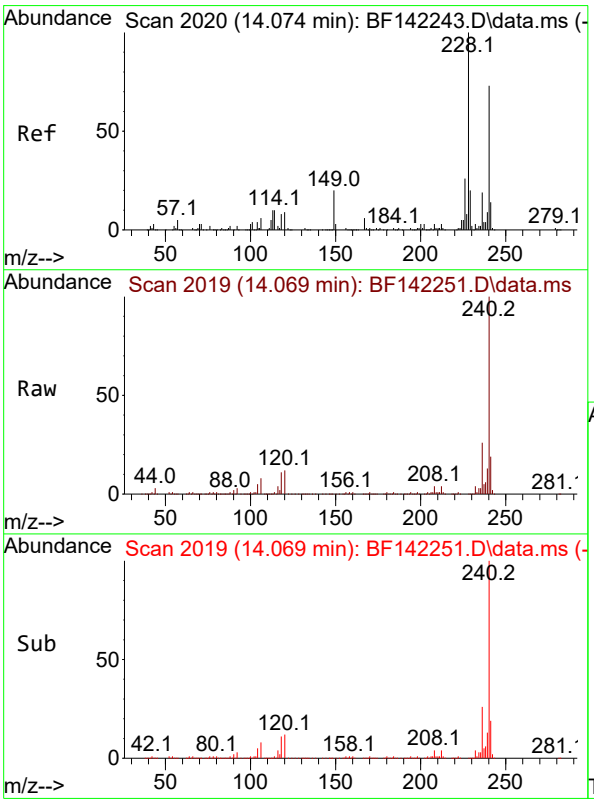
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142251.D
Acq: 01 May 2025 10:45

Instrument :
BNA_F
ClientSampleId :
PB167798BL

Tgt Ion:188 Resp: 826787

Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.2	12.2
80	11.0	8.6	12.8

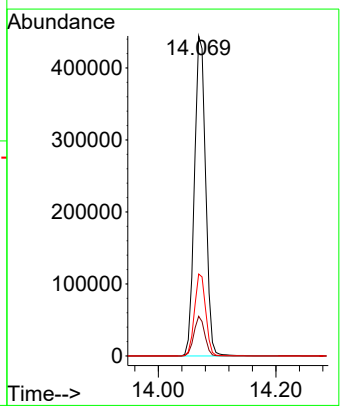


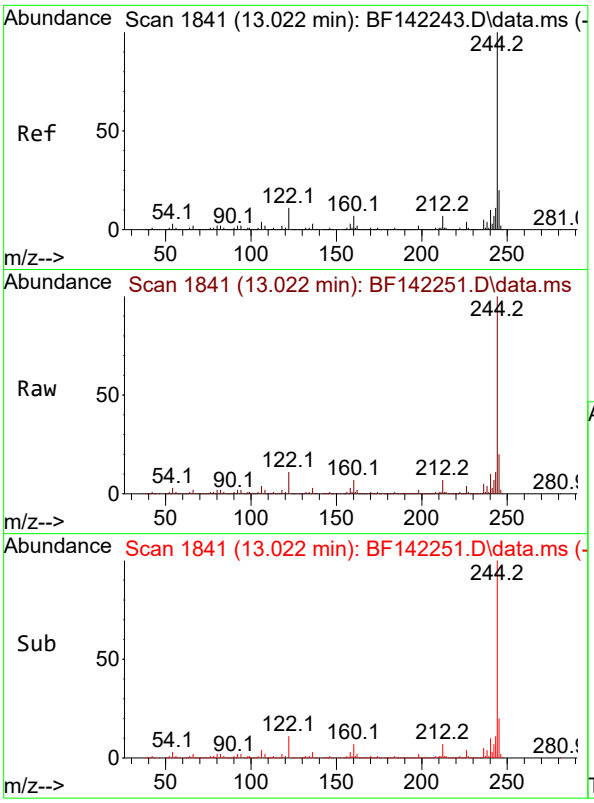


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142251.D
Acq: 01 May 2025 10:45

Tgt Ion:240 Resp: 587490

Ion	Ratio	Lower	Upper
240	100		
120	12.4	10.1	15.1
236	25.6	20.5	30.7



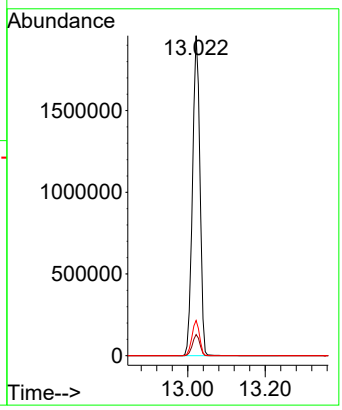


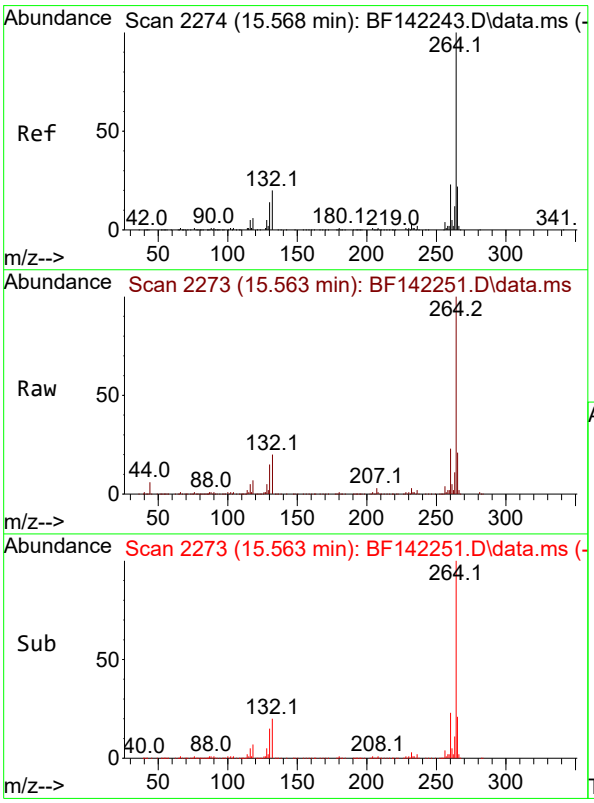
#79
Terphenyl-d14
Concen: 64.345 ng
RT: 13.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142251.D
Acq: 01 May 2025 10:45

Instrument :
BNA_F
ClientSampleId :
PB167798BL

Tgt Ion:244 Resp: 2599136

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	11.0	9.1	13.7

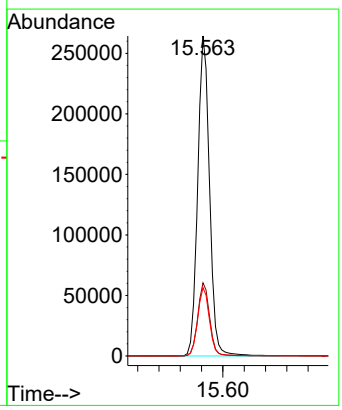




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142251.D
Acq: 01 May 2025 10:45

Tgt Ion:264 Resp: 406867

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.4	27.6
265	21.3	17.3	25.9



Sample Results: **BF142251.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142251.D
Acq On : 01 May 2025 10:45
Operator : RC/JU
Sample : PB167798BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167798BL

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-BF043025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142251.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.281	3	15	21	rVB	72528	129743	1.87%	0.303%
2	5.152	495	503	512	rBV	346717	578202	8.32%	1.351%
3	5.528	560	567	572	rBV	4034216	5689345	81.87%	13.298%
4	6.522	729	736	742	rBV	3828941	5699010	82.00%	13.321%
5	6.904	796	801	807	rBV	1049000	1327795	19.11%	3.104%
6	7.469	890	897	902	rBV	2406535	3425359	49.29%	8.006%
7	8.187	1013	1019	1024	rBV	1387508	1773134	25.51%	4.144%
8	9.263	1195	1202	1207	rBV	4963685	6782793	97.60%	15.854%
9	9.945	1311	1318	1323	rBV	1537216	1976183	28.44%	4.619%
10	10.734	1446	1452	1472	rBV	2844457	3734766	53.74%	8.730%
11	11.428	1565	1570	1576	rBV	1584811	2051812	29.52%	4.796%
12	13.022	1835	1841	1846	rBV	5241158	6949651	100.00%	16.244%
13	14.069	2014	2019	2031	rBV	1209373	1585462	22.81%	3.706%
14	15.563	2267	2273	2285	rBV	711927	1079782	15.54%	2.524%

Sum of corrected areas: 42783037

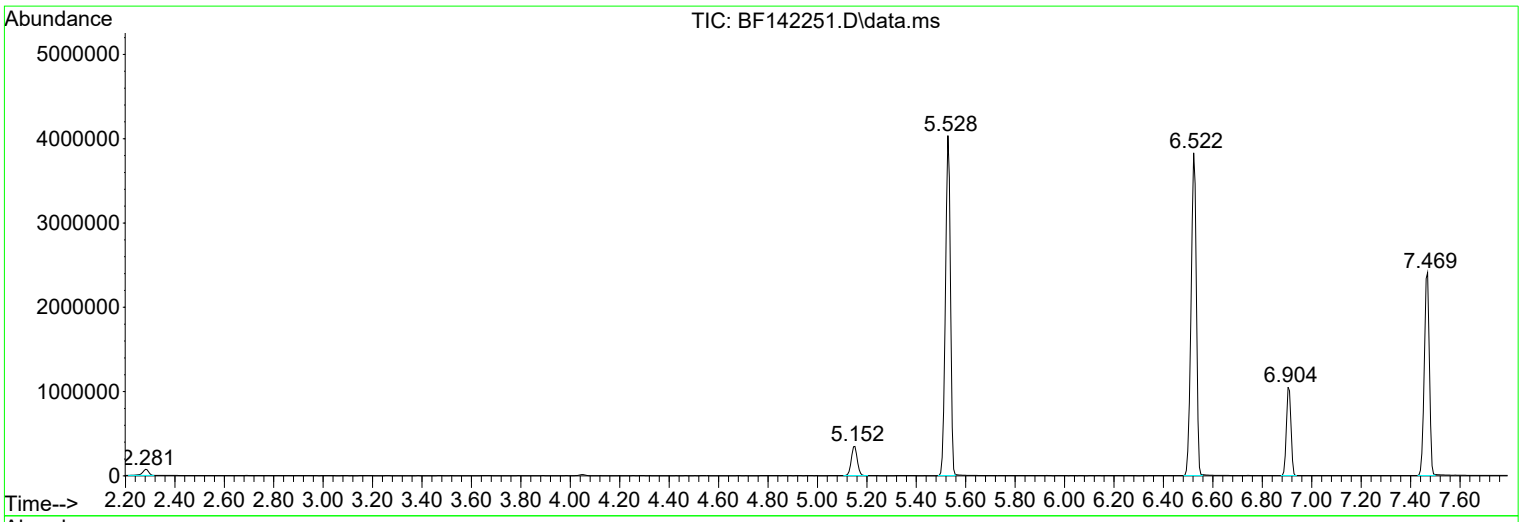
Sample Results: **BF142251.D**

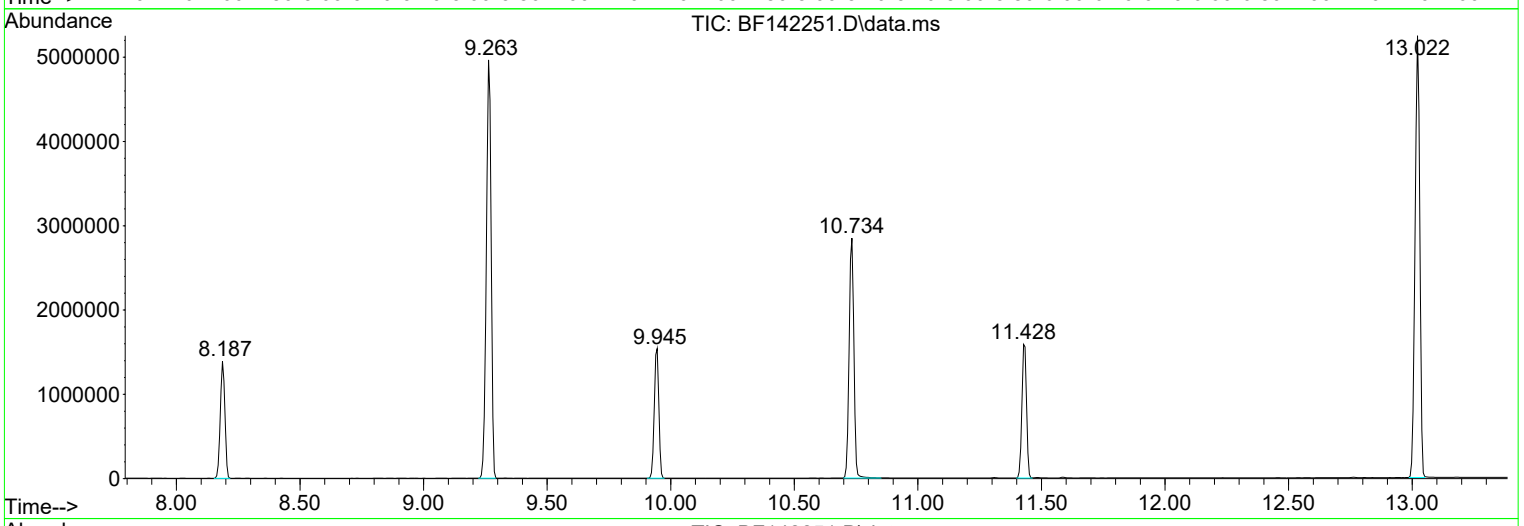
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142251.D
Acq On : 01 May 2025 10:45
Operator : RC/JU
Sample : PB167798BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

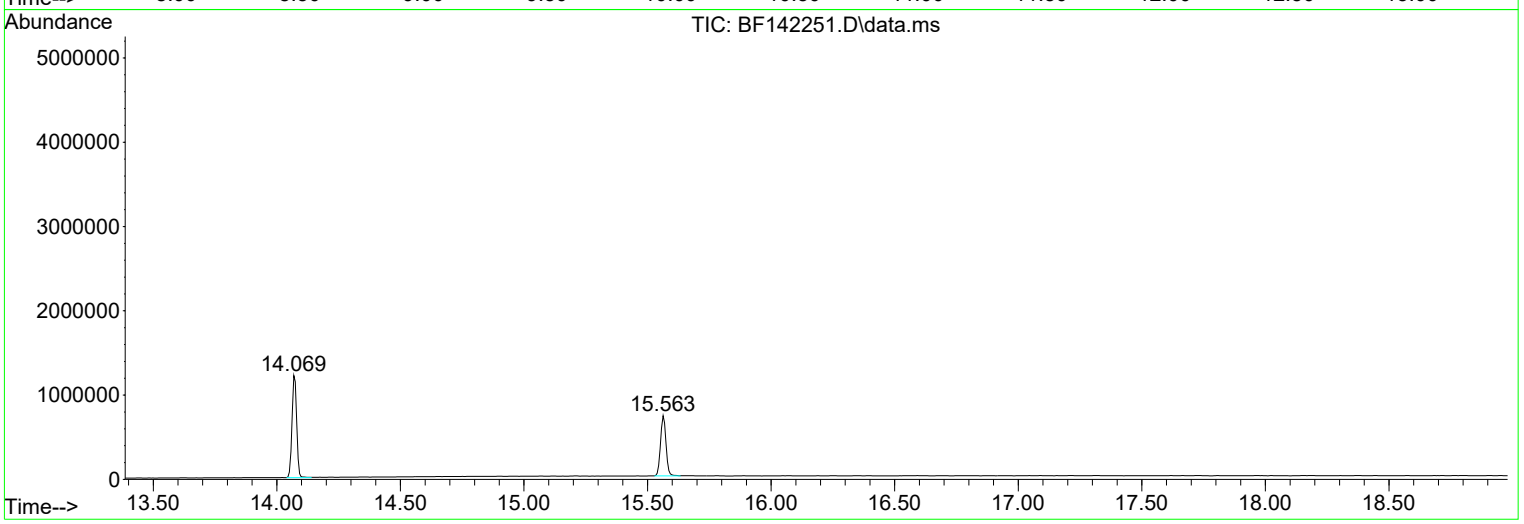
Instrument :
BNA_F
ClientSampleId :
PB167798BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.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\BF050125\
Data File : BF142251.D
Acq On : 01 May 2025 10:45
Operator : RC/JU
Sample : PB167798BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167798BL

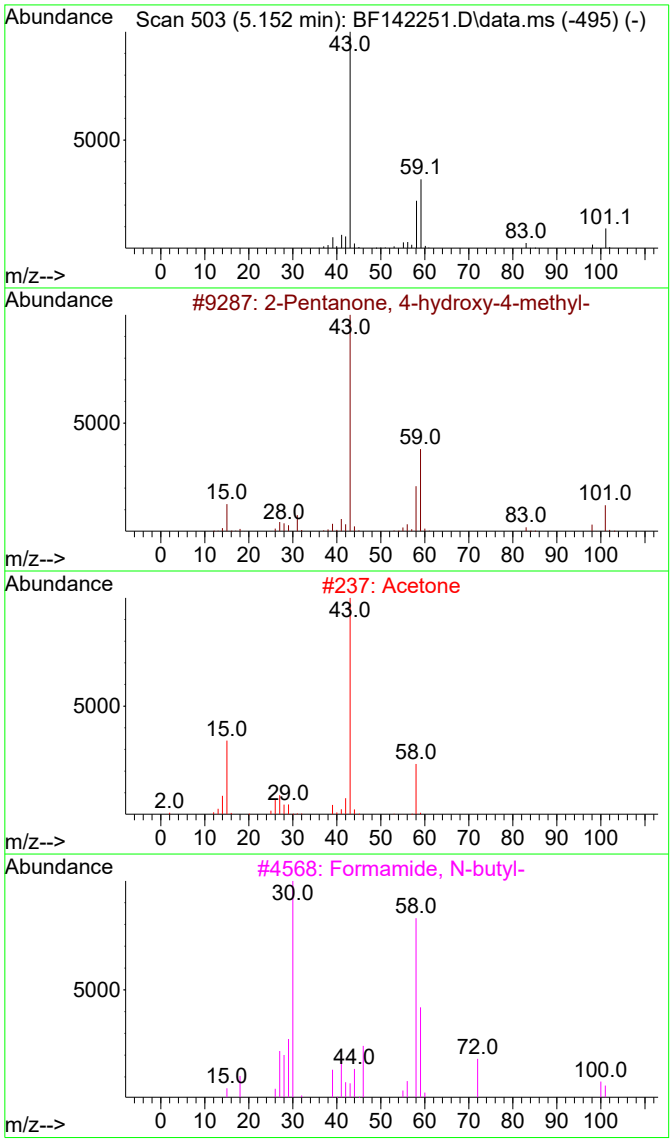
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

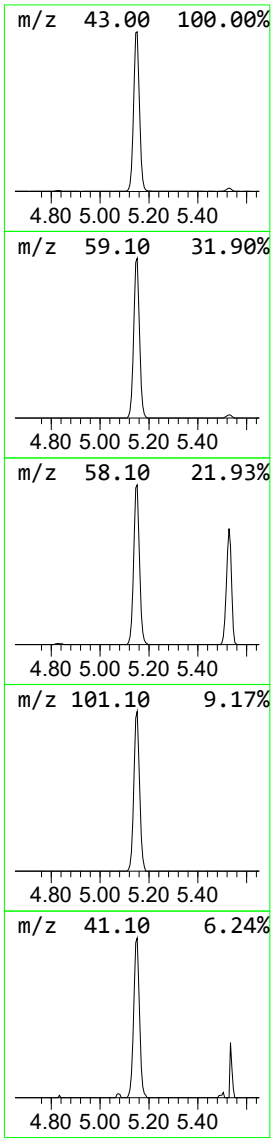
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.152	8.71 ng	578202	1,4-Dichlorobenzene-d4	6.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	78
2	Acetone	58	C3H6O	000067-64-1	32
3	Formamide, N-butyl-	101	C5H11NO	000871-71-6	9
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9
5	Oxirane, (propoxymethyl)-	116	C6H12O2	003126-95-2	9





Sample Results: **BF142251.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142251.D
Acq On : 01 May 2025 10:45
Operator : RC/JU
Sample : PB167798BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167798BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.152	8.7	ng	578202	1	6.904	1327800	20.0

Raw Data: **BM050064.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:	PB167779BS	SDG No.:	Q1901
Lab Sample ID:	PB167779BS	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
BM050064.D	1	04/29/25 09:30	05/01/25 14:43	PB167779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	890		160	330	ug/Kg
108-95-2	Phenol	1500		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		24.3	170	ug/Kg
95-57-8	2-Chlorophenol	1500		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1400		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		37.5	170	ug/Kg
98-86-2	Acetophenone	1600		29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1300		47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1600		18.3	170	ug/Kg
78-59-1	Isophorone	1400		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1500		58.1	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1500		64.7	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		28.3	170	ug/Kg
91-20-3	Naphthalene	1500		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	610		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		25.3	170	ug/Kg
105-60-2	Caprolactam	1300		52.0	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3700	E	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1600		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1400		27.1	170	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167779BS	SDG No.:	Q1901
Lab Sample ID:	PB167779BS	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
BM050064.D	1	04/29/25 09:30	05/01/25 14:43	PB167779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1500		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	800		46.0	170	ug/Kg
83-32-9	Acenaphthene	1500		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	2800	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	3000	E	110	330	ug/Kg
132-64-9	Dibenzofuran	1500		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		50.0	170	ug/Kg
84-66-2	Diethylphthalate	1400		28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		26.7	170	ug/Kg
86-73-7	Fluorene	1600		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1400		64.1	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		25.3	170	ug/Kg
1912-24-9	Atrazine	1500		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	3700	E	51.2	330	ug/Kg
85-01-8	Phenanthrene	1600		20.9	170	ug/Kg
120-12-7	Anthracene	1600		33.3	170	ug/Kg
86-74-8	Carbazole	1600		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		47.9	170	ug/Kg
206-44-0	Fluoranthene	1600		30.0	170	ug/Kg
129-00-0	Pyrene	1600		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1500		71.3	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	830		36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		23.0	170	ug/Kg
218-01-9	Chrysene	1500		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		59.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		19.0	170	ug/Kg

Raw Data: **BM050064.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:	PB167779BS	SDG No.:	Q1901
Lab Sample ID:	PB167779BS	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
BM050064.D	1	04/29/25 09:30	05/01/25 14:43	PB167779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1600		22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		25.6	170	ug/Kg
123-91-1	1,4-Dioxane	1300		45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	142		30 (18) - 130 (112)	95%	SPK: 150
13127-88-3	Phenol-d6	135		30 (15) - 130 (107)	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.4		30 (18) - 130 (107)	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	87.2		30 (20) - 130 (109)	87%	SPK: 100
118-79-6	2,4,6-Tribromophenol	143		30 (10) - 130 (116)	95%	SPK: 150
1718-51-0	Terphenyl-d14	88.8		30 (10) - 130 (105)	89%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	339000	7.751			
1146-65-2	Naphthalene-d8	1130000	10.545			
15067-26-2	Acenaphthene-d10	665000	14.392			
1517-22-2	Phenanthrene-d10	1230000	17.139			
1719-03-5	Chrysene-d12	1220000	21.38			
1520-96-3	Perylene-d12	1100000	24.374			

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050064.D
Acq On : 01 May 2025 14:43
Operator : RC/JU
Sample : PB167779BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Quant Time: May 01 15:24:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.751	152	339452	20.000	ng		-0.02
21) Naphthalene-d8	10.545	136	1125326	20.000	ng		-0.02
39) Acenaphthene-d10	14.392	164	664515	20.000	ng		-0.02
64) Phenanthrene-d10	17.139	188	1227379	20.000	ng		-0.02
76) Chrysene-d12	21.380	240	1219126	20.000	ng		-0.02
86) Perylene-d12	24.374	264	1104893	20.000	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.357	112	2750867	141.904	ng		0.00
7) Phenol-d6	6.945	99	3291918	135.109	ng		0.00
23) Nitrobenzene-d5	8.910	82	1972634	86.379	ng		-0.02
42) 2,4,6-Tribromophenol	15.892	330	1401142	142.599	ng		-0.01
45) 2-Fluorobiphenyl	13.016	172	4900655	87.243	ng		-0.02
79) Terphenyl-d14	19.768	244	7315200	88.790	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	324106	38.993	ng		96
3) Pyridine	3.657	79	906904	42.466	ng		96
4) n-Nitrosodimethylamine	3.575	42	376694	44.973	ng		98
6) Aniline	7.087	93	675837	21.967	ng		99
8) 2-Chlorophenol	7.328	128	919150	43.853	ng		98
9) Benzaldehyde	6.898	77	434002	26.618	ng		96
10) Phenol	6.969	94	1124630	45.595	ng		99
11) bis(2-Chloroethyl)ether	7.181	93	902546	43.821	ng		98
12) 1,3-Dichlorobenzene	7.645	146	1101376	43.500	ng		100
13) 1,4-Dichlorobenzene	7.787	146	1110518	43.660	ng		99
14) 1,2-Dichlorobenzene	8.104	146	1056435	42.997	ng		99
15) Benzyl Alcohol	7.998	79	729976	43.202	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.275	45	1110403	44.352	ng		99
17) 2-Methylphenol	8.210	107	698651	42.996	ng		99
18) Hexachloroethane	8.828	117	399371	44.169	ng		98
19) n-Nitroso-di-n-propyla...	8.563	70	598312	38.288	ng		99
20) 3+4-Methylphenols	8.539	107	929313	42.350	ng		98
22) Acetophenone	8.575	105	1305356	46.657	ng	#	98
24) Nitrobenzene	8.951	77	942517	47.731	ng		97
25) Isophorone	9.481	82	1687587	43.352	ng		98
26) 2-Nitrophenol	9.663	139	465611	46.156	ng		97
27) 2,4-Dimethylphenol	9.733	122	749898	44.825	ng		98
28) bis(2-Chloroethoxy)met...	9.957	93	1082910	45.008	ng		100
29) 2,4-Dichlorophenol	10.210	162	843978	45.032	ng		100
30) 1,2,4-Trichlorobenzene	10.410	180	1032540	45.219	ng		100
31) Naphthalene	10.592	128	2566661	45.037	ng		100
32) Benzoic acid	9.910	122	450544	42.109	ng		99
33) 4-Chloroaniline	10.716	127	427099	18.284	ng		99
34) Hexachlorobutadiene	10.880	225	660379	45.561	ng		99
35) Caprolactam	11.510	113	210388	38.500	ng		87
36) 4-Chloro-3-methylphenol	11.851	107	726282	41.945	ng		98
37) 2-Methylnaphthalene	12.210	142	1639055	42.898	ng		99
38) 1-Methylnaphthalene	12.427	142	1716193	42.443	ng		99
40) 1,2,4,5-Tetrachloroben...	12.580	216	1141673	49.630	ng		99
41) Hexachlorocyclopentadiene	12.563	237	1541222	109.633	ng		99
43) 2,4,6-Trichlorophenol	12.833	196	691076	47.365	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050064.D
Acq On : 01 May 2025 14:43
Operator : RC/JU
Sample : PB167779BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Quant Time: May 01 15:24:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

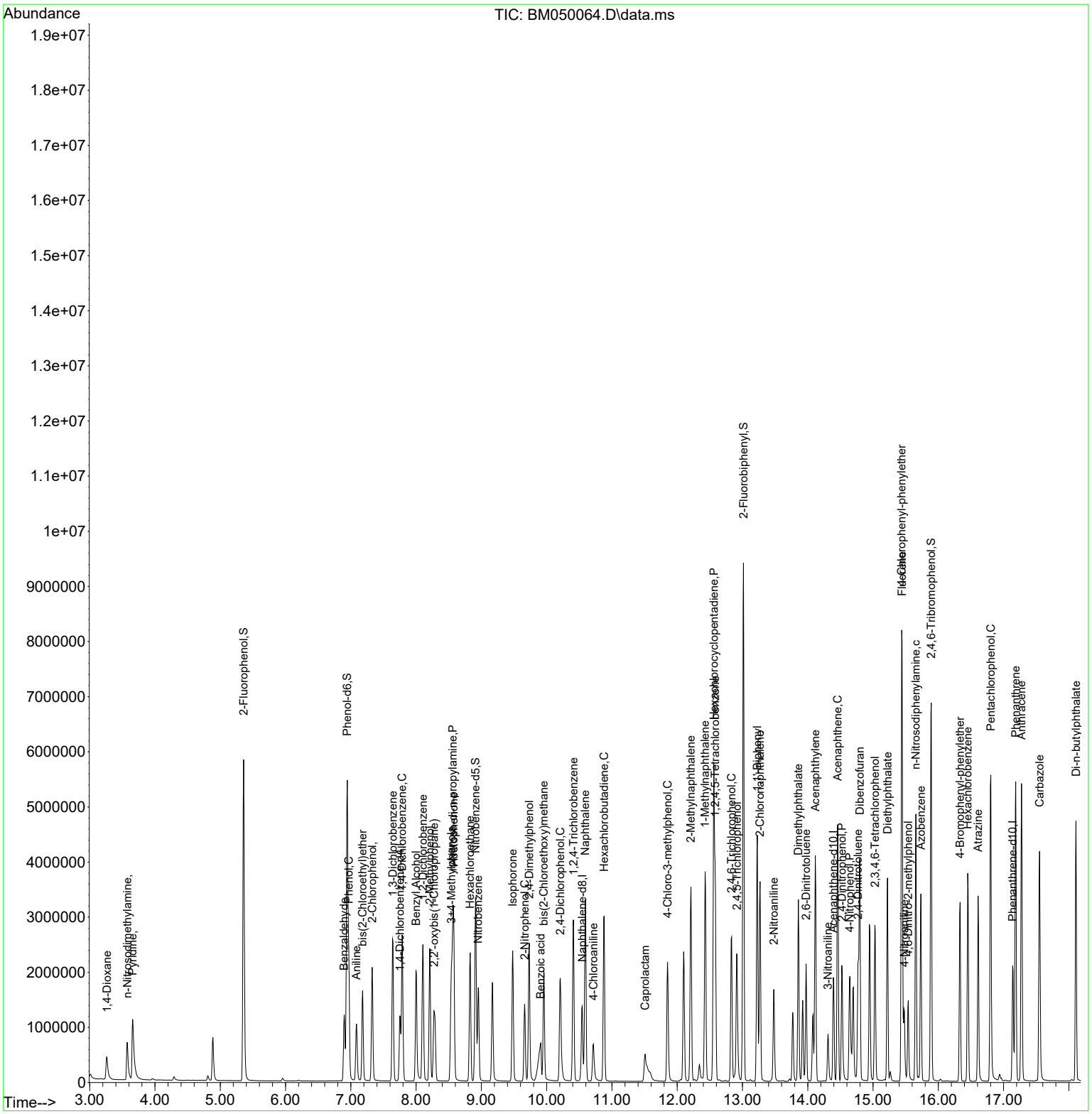
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.916	196	737586	46.880	ng	98
46) 1,1'-Biphenyl	13.227	154	2329469	47.158	ng	99
47) 2-Chloronaphthalene	13.269	162	1832486	46.840	ng	100
48) 2-Nitroaniline	13.480	65	446033	48.577	ng	95
49) Acenaphthylene	14.116	152	2817647	45.679	ng	99
50) Dimethylphthalate	13.857	163	2112431	43.498	ng	100
51) 2,6-Dinitrotoluene	13.974	165	450148	44.769	ng	94
52) Acenaphthene	14.457	154	1642526	46.003	ng	100
53) 3-Nitroaniline	14.310	138	231684	24.135	ng	96
54) 2,4-Dinitrophenol	14.521	184	552700	85.470	ng	96
55) Dibenzofuran	14.798	168	2676911	45.062	ng	100
56) 4-Nitrophenol	14.645	139	707032	89.936	ng	95
57) 2,4-Dinitrotoluene	14.768	165	637054	45.852	ng	96
58) Fluorene	15.445	166	2269556	46.675	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.033	232	608729	44.697	ng	99
60) Diethylphthalate	15.221	149	1964047	42.921	ng	100
61) 4-Chlorophenyl-phenyle...	15.439	204	1254179	46.960	ng	100
62) 4-Nitroaniline	15.480	138	399199	43.102	ng	97
63) Azobenzene	15.733	77	1802713	47.006	ng	99
65) 4,6-Dinitro-2-methylph...	15.539	198	354286	46.113	ng	96
66) n-Nitrosodiphenylamine	15.657	169	1798532	47.719	ng	99
67) 4-Bromophenyl-phenylether	16.333	248	695088	46.831	ng	97
68) Hexachlorobenzene	16.451	284	797047	46.587	ng	100
69) Atrazine	16.609	200	629300	46.289	ng	100
70) Pentachlorophenol	16.804	266	1076855	111.818	ng	99
71) Phenanthrene	17.186	178	3261083	47.108	ng	100
72) Anthracene	17.274	178	3324709	47.458	ng	100
73) Carbazole	17.551	167	2833553	46.612	ng	100
74) Di-n-butylphthalate	18.109	149	3296858	45.540	ng	100
75) Fluoranthene	19.203	202	3901183	48.000	ng	99
77) Benzidine	19.392	184	1303939	30.111	ng	100
78) Pyrene	19.568	202	4023852	47.002	ng	100
80) Butylbenzylphthalate	20.462	149	1409106	43.946	ng	91
81) Benzo(a)anthracene	21.368	228	3955177	47.112	ng	100
82) 3,3'-Dichlorobenzidine	21.292	252	796508	24.784	ng	100
83) Chrysene	21.427	228	3605282	46.400	ng	99
84) Bis(2-ethylhexyl)phtha...	21.286	149	2099844	43.844	ng	99
85) Di-n-octyl phthalate	22.409	149	3361210	42.556	ng	99
87) Indeno(1,2,3-cd)pyrene	27.756	276	3980042	48.344	ng	99
88) Benzo(b)fluoranthene	23.433	252	3519712	48.984	ng	100
89) Benzo(k)fluoranthene	23.491	252	3516759	48.385	ng	100
90) Benzo(a)pyrene	24.233	252	3256786	48.393	ng	99
91) Dibenzo(a,h)anthracene	27.797	278	3276826	48.827	ng	99
92) Benzo(g,h,i)perylene	28.797	276	3068716	47.762	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050064.D
Acq On : 01 May 2025 14:43
Operator : RC/JU
Sample : PB167779BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Quant Time: May 01 15:24:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



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Data File : BM050064.D
Acq On : 01 May 2025 14:43
Operator : RC/JU
Sample : PB167779BS
Misc :
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Quant Time: May 01 15:24:53 2025
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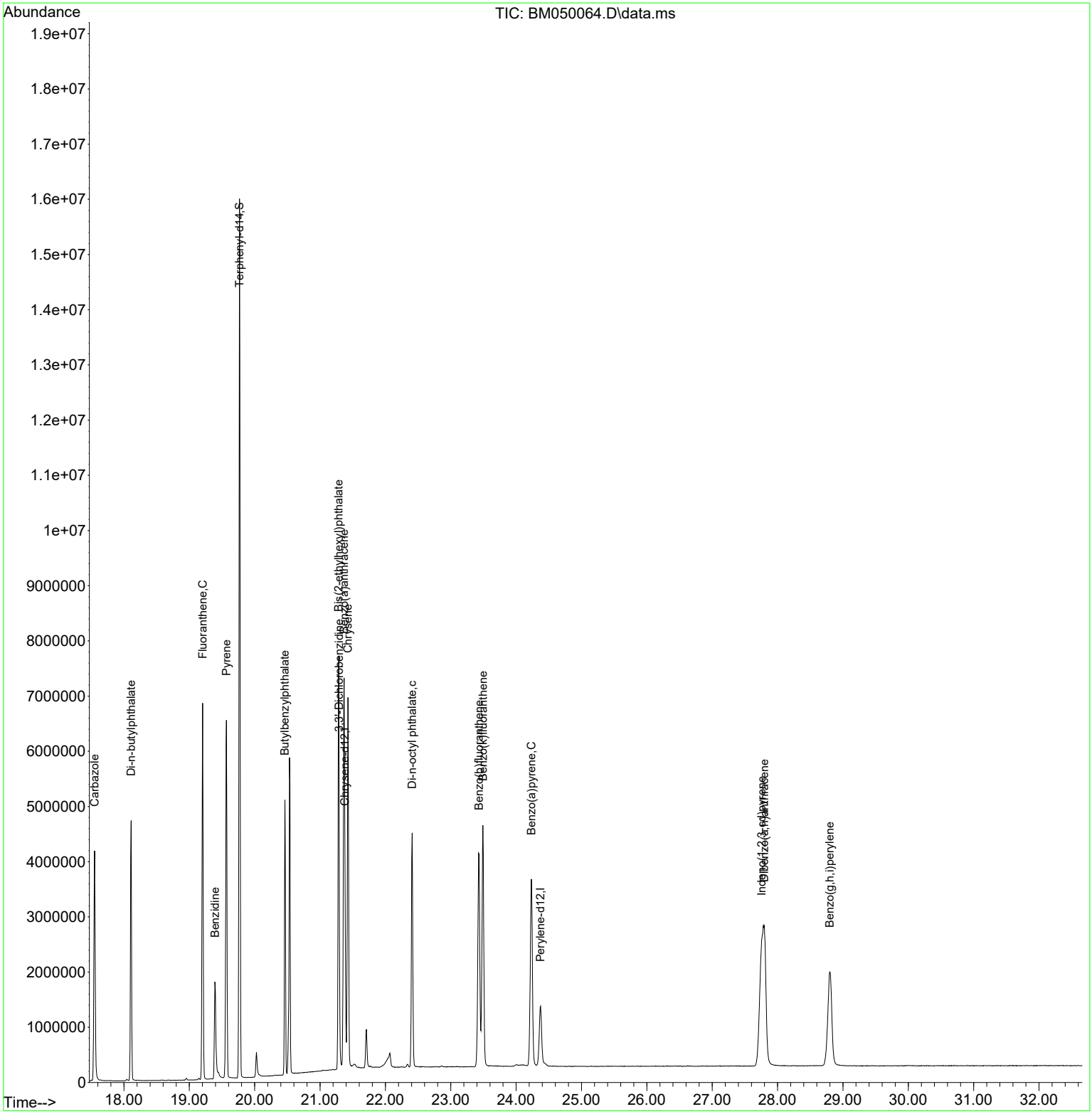
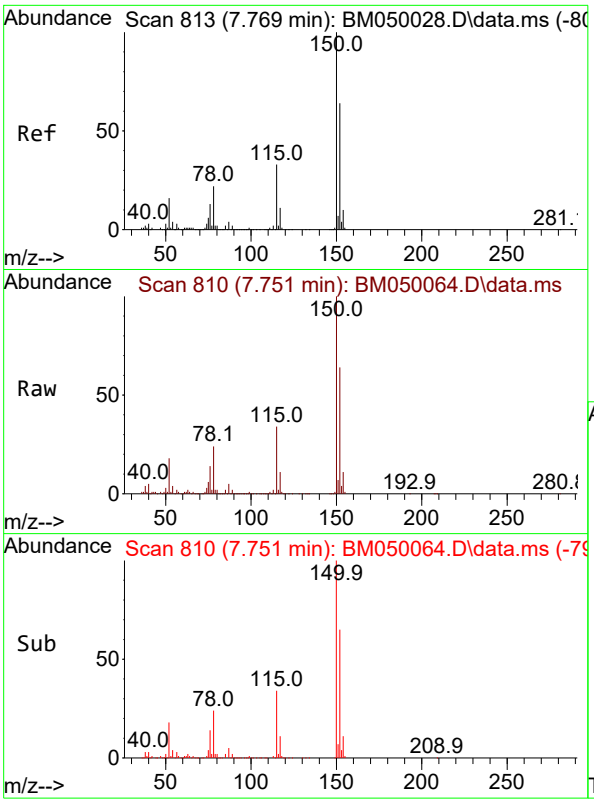


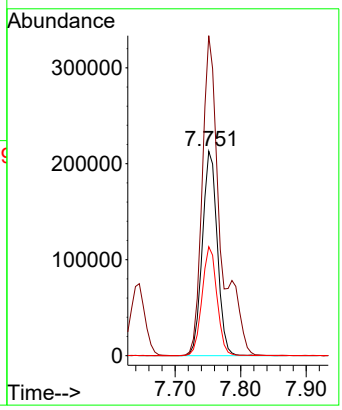


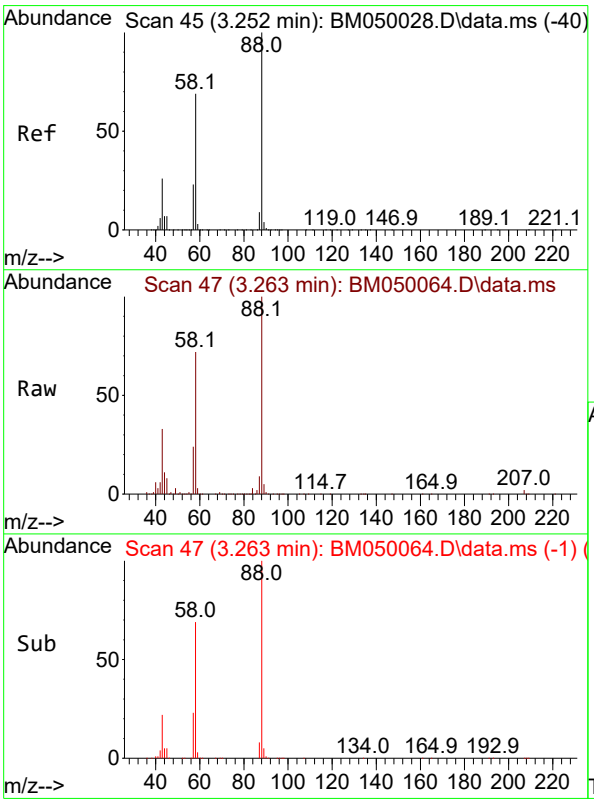
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.751 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:152 Resp: 339452

Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.1	186.1
115	53.2	41.2	61.8

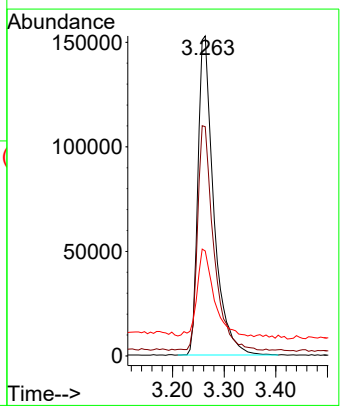


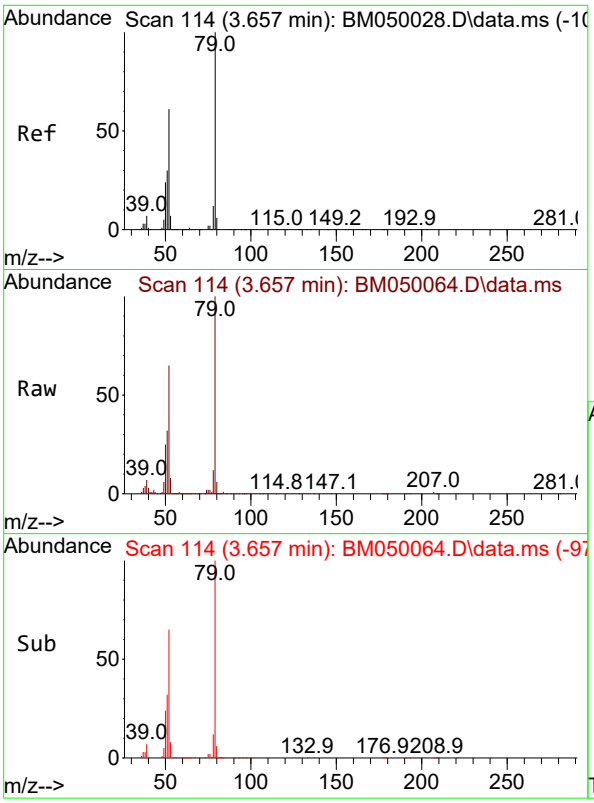


#2
1,4-Dioxane
Concen: 38.993 ng
RT: 3.263 min Scan# 47
Delta R.T. 0.012 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion: 88 Resp: 324106

Ion	Ratio	Lower	Upper
88	100		
58	71.8	55.1	82.7
43	29.4	20.9	31.3



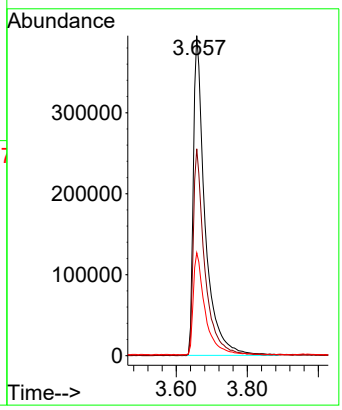


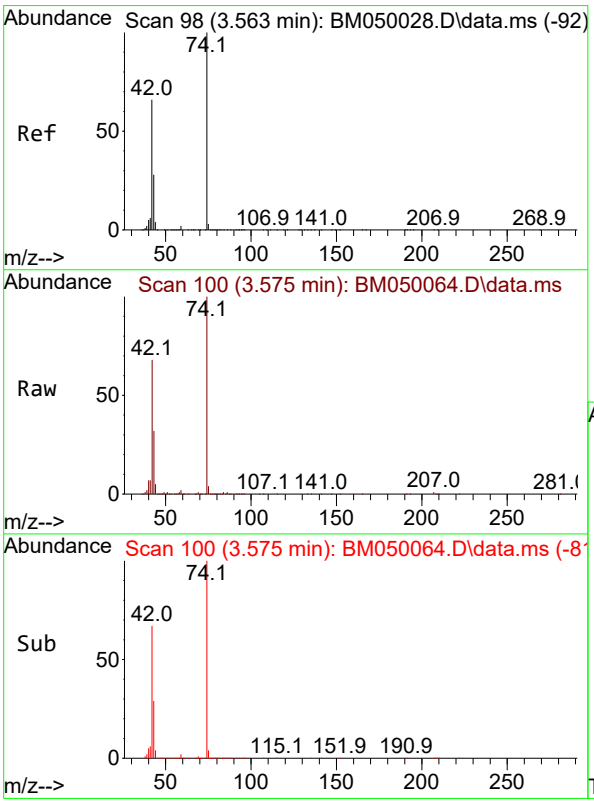
#3
Pyridine
Concen: 42.466 ng
RT: 3.657 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion: 79 Resp: 906904

Ion	Ratio	Lower	Upper
79	100		
52	64.7	48.6	72.8
51	32.1	24.6	37.0

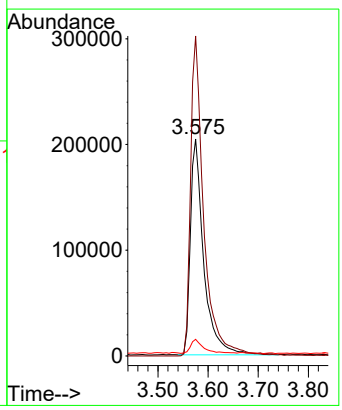


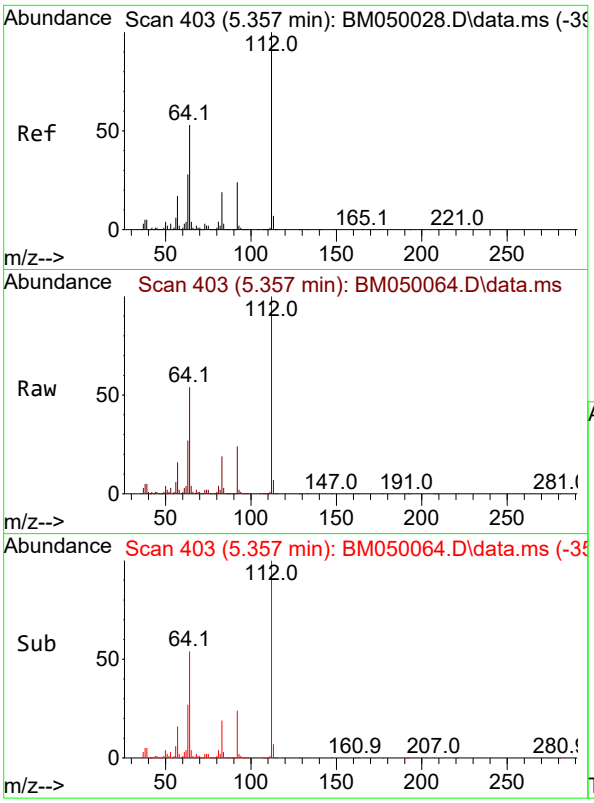


#4
n-Nitrosodimethylamine
Concen: 44.973 ng
RT: 3.575 min Scan# 100
Delta R.T. 0.012 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion: 42 Resp: 376694

Ion	Ratio	Lower	Upper
42	100		
74	147.5	120.2	180.2
44	7.7	6.2	9.2



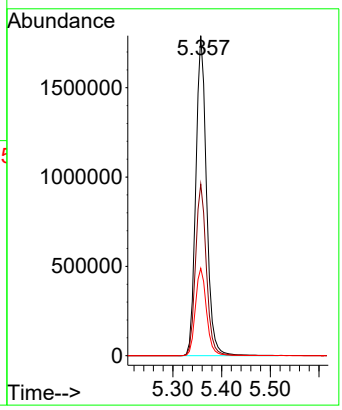


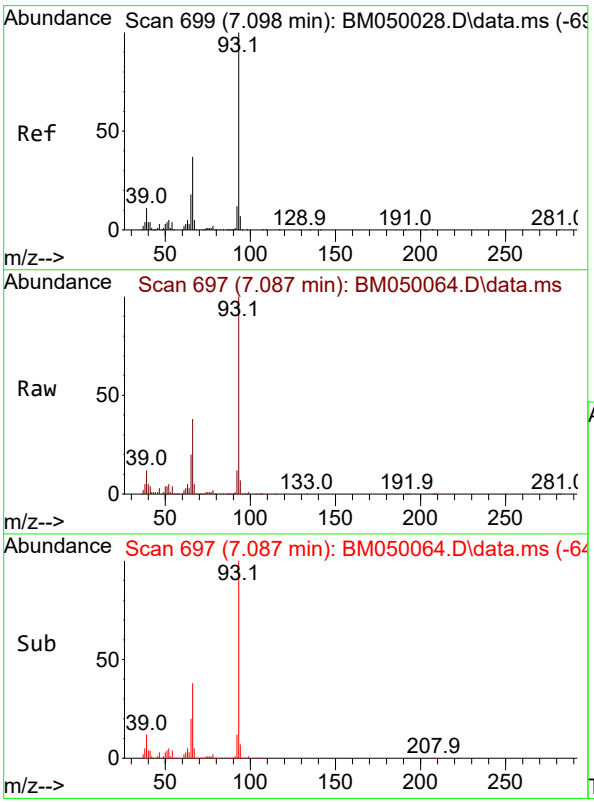
#5
2-Fluorophenol
Concen: 141.904 ng
RT: 5.357 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:112 Resp: 2750867

Ion	Ratio	Lower	Upper
112	100		
64	53.6	42.6	64.0
63	27.3	22.2	33.4

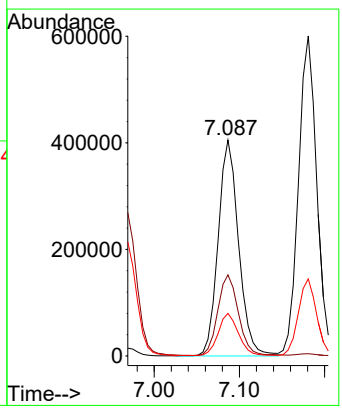


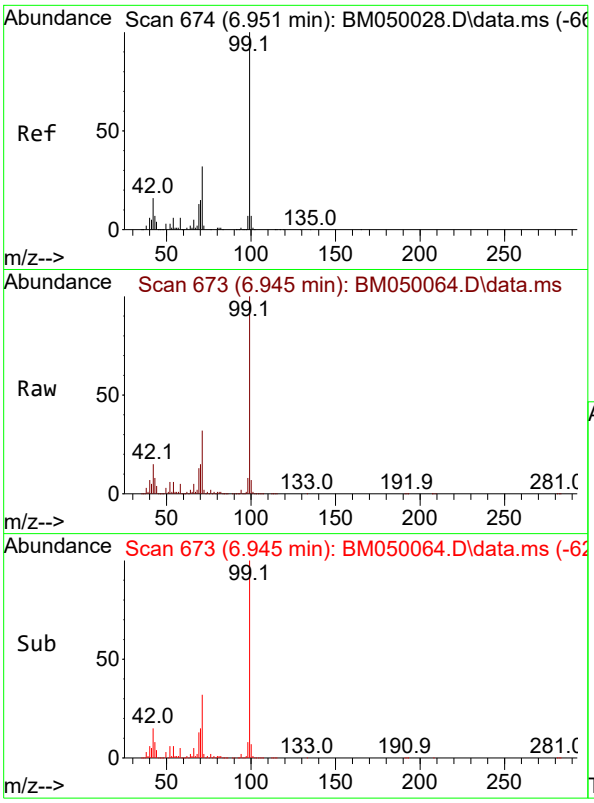


#6
Aniline
Concen: 21.967 ng
RT: 7.087 min Scan# 697
Delta R.T. -0.012 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion: 93 Resp: 675837

Ion	Ratio	Lower	Upper
93	100		
66	37.6	29.9	44.9
65	19.7	14.5	21.7



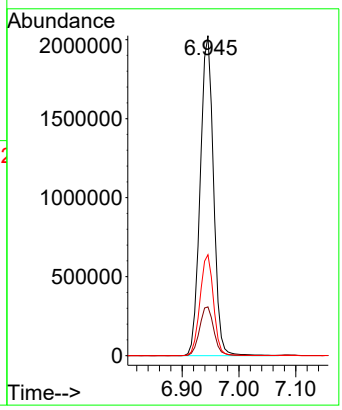


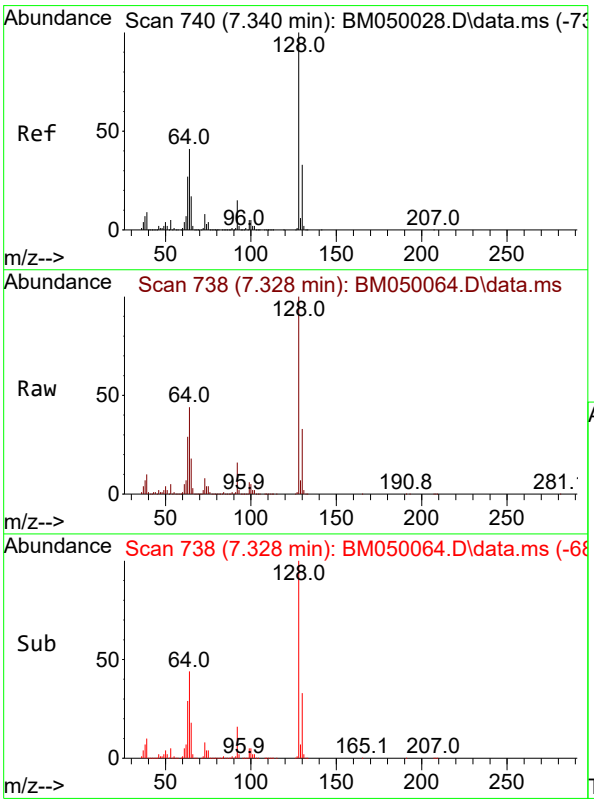
#7
Phenol-d6
Concen: 135.109 ng
RT: 6.945 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion: 99 Resp: 3291918

Ion	Ratio	Lower	Upper
99	100		
42	15.3	13.0	19.4
71	31.6	25.6	38.4

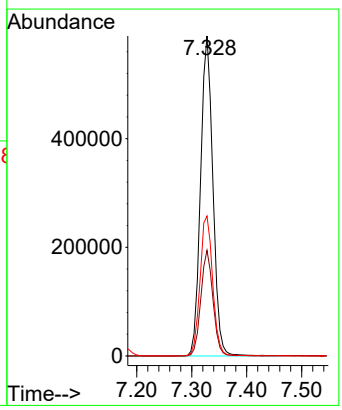


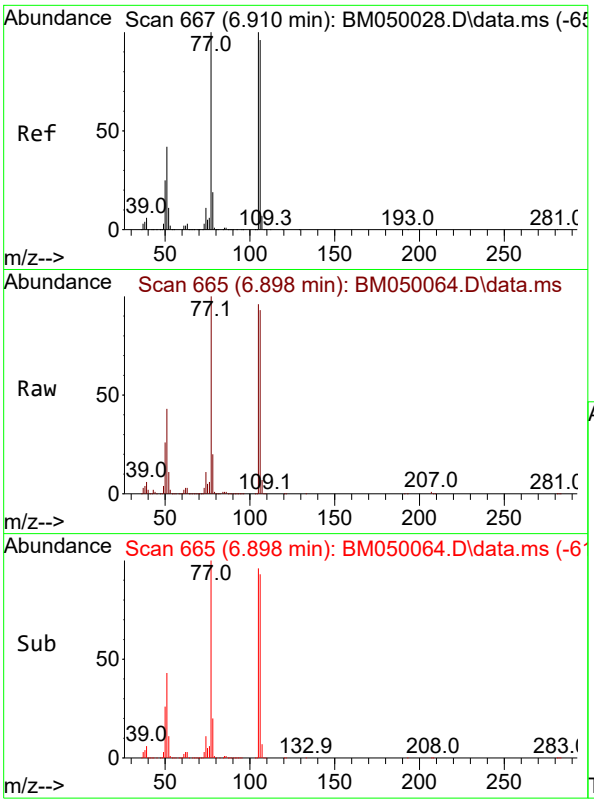


#8
2-Chlorophenol
Concen: 43.853 ng
RT: 7.328 min Scan# 738
Delta R.T. -0.012 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:128 Resp: 919150

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.8	52.8
64	43.7	21.2	61.2



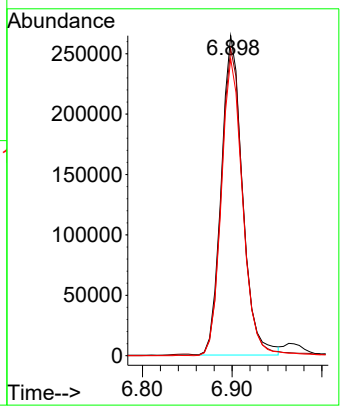


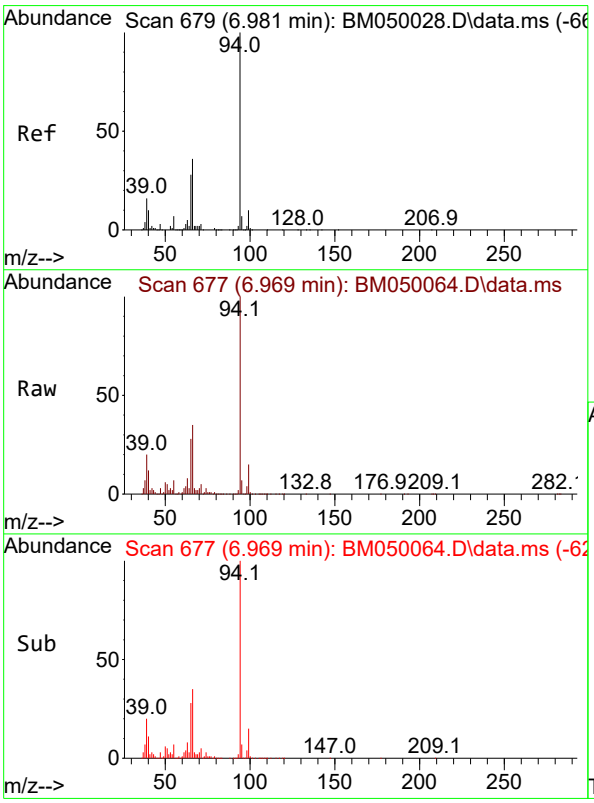
#9
Benzaldehyde
Concen: 26.618 ng
RT: 6.898 min Scan# 6
Delta R.T. -0.012 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion: 77 Resp: 434002

Ion	Ratio	Lower	Upper
77	100		
105	95.9	80.5	120.5
106	92.8	76.1	116.1

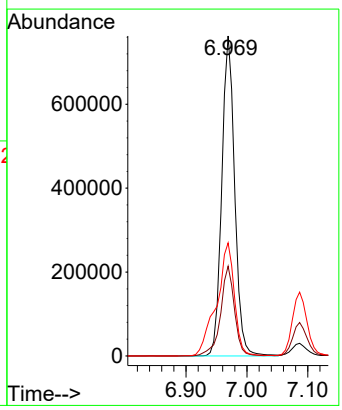


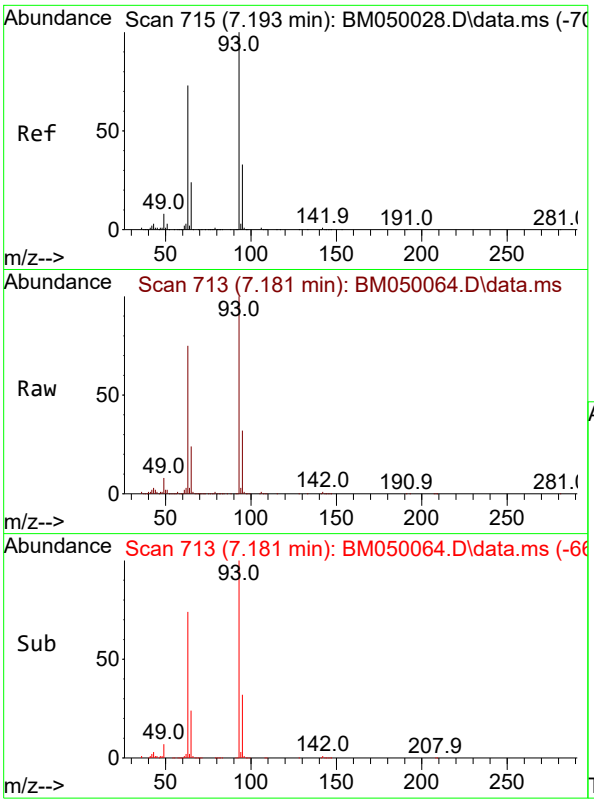


#10
Phenol
Concen: 45.595 ng
RT: 6.969 min Scan# 677
Delta R.T. -0.012 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion: 94 Resp: 1124630

Ion	Ratio	Lower	Upper
94	100		
65	28.1	7.6	47.6
66	35.3	15.8	55.8



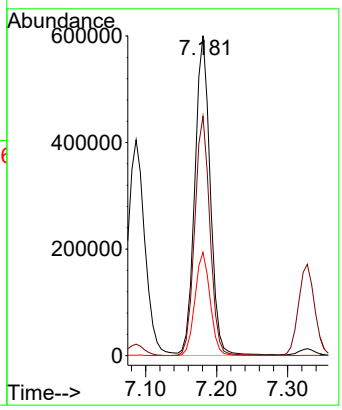


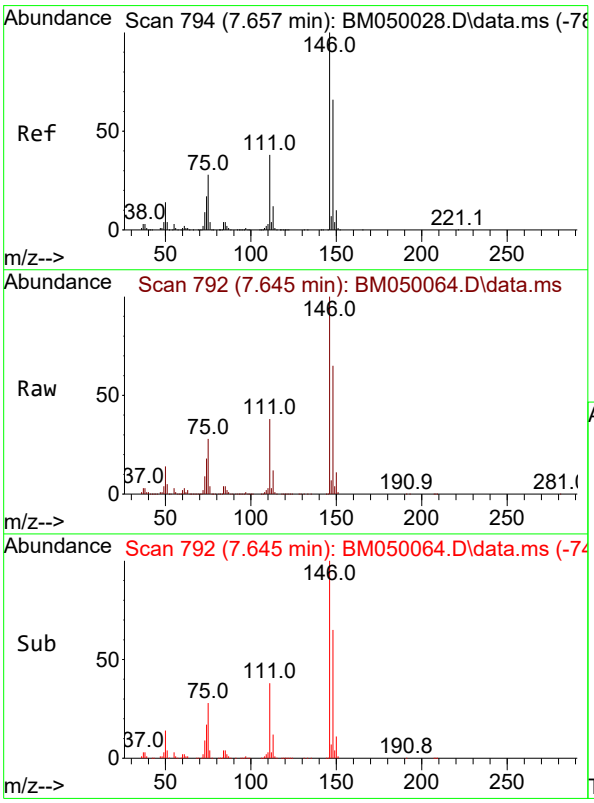
#11
bis(2-Chloroethyl)ether
Concen: 43.821 ng
RT: 7.181 min Scan# 71
Delta R.T. -0.012 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion: 93 Resp: 902546

Ion	Ratio	Lower	Upper
93	100		
63	74.8	52.3	92.3
95	32.3	12.8	52.8

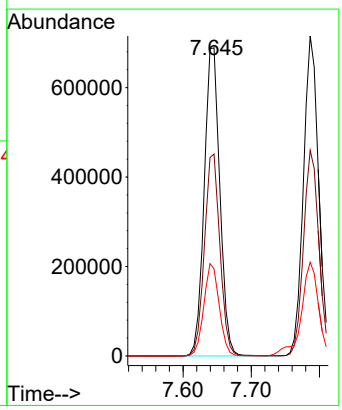


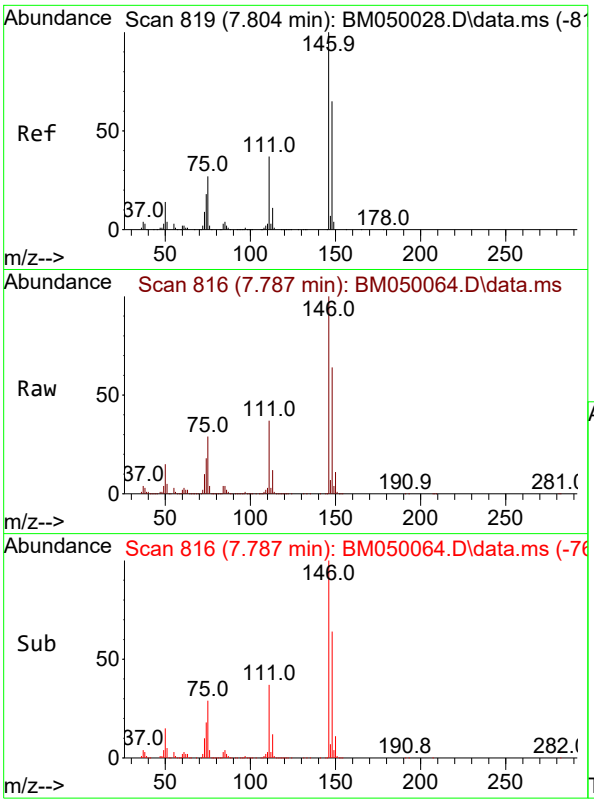


#12
1,3-Dichlorobenzene
Concen: 43.500 ng
RT: 7.645 min Scan# 792
Delta R.T. -0.012 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:146 Resp: 1101376

Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.5	78.7
75	28.3	22.6	34.0



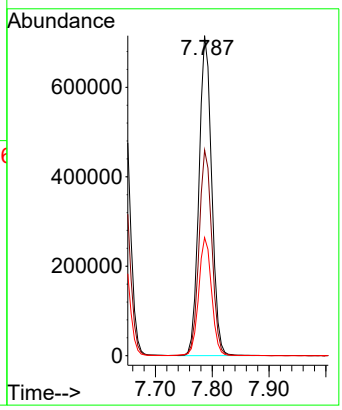


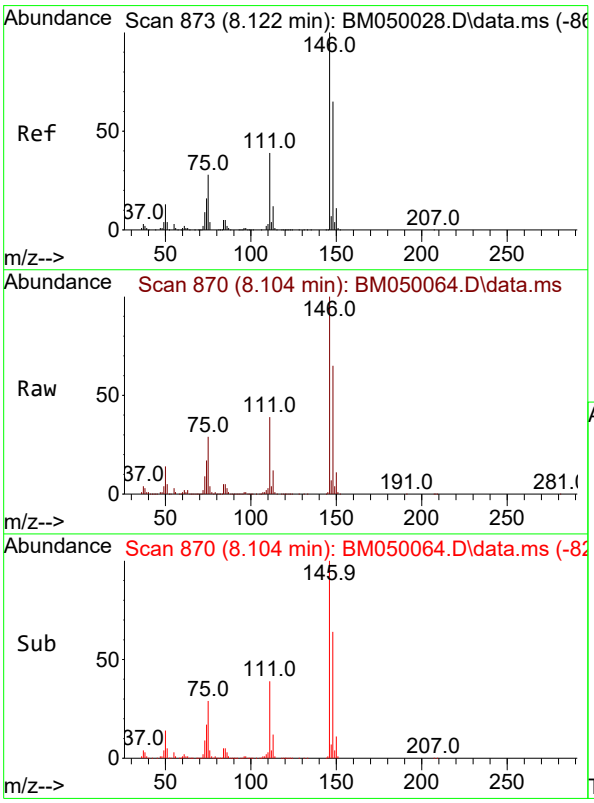
#13
1,4-Dichlorobenzene
Concen: 43.660 ng
RT: 7.787 min Scan# 81
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:146 Resp: 1110518

Ion	Ratio	Lower	Upper
146	100		
148	64.2	52.2	78.2
111	36.9	29.3	43.9

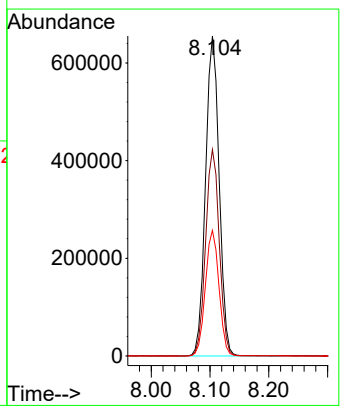


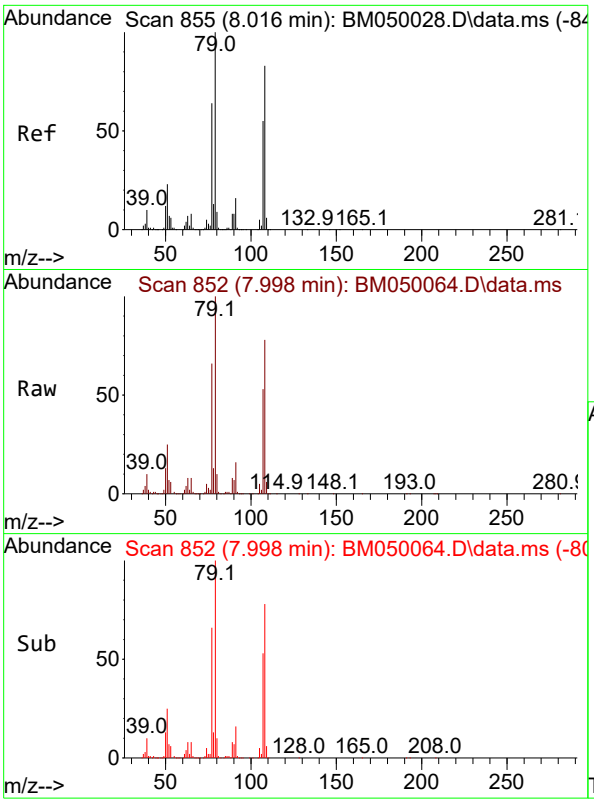


#14
1,2-Dichlorobenzene
Concen: 42.997 ng
RT: 8.104 min Scan# 870
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:146 Resp: 1056435

Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.4	78.6
111	39.3	31.0	46.6



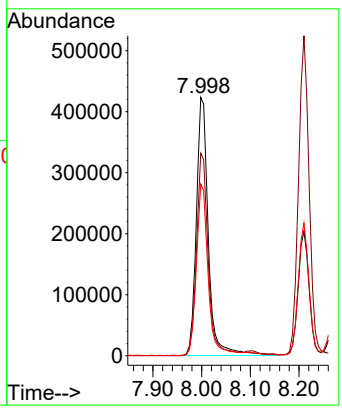


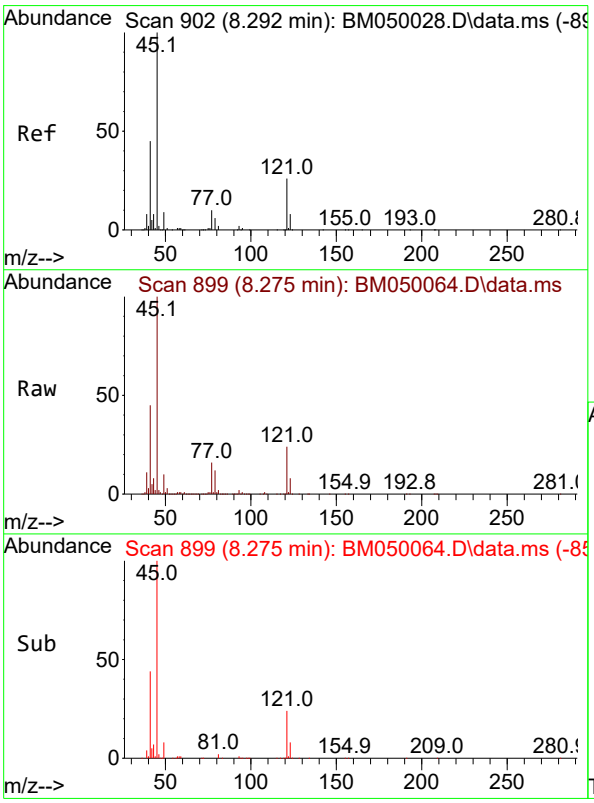
#15
Benzyl Alcohol
Concen: 43.202 ng
RT: 7.998 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion: 79 Resp: 729976

Ion	Ratio	Lower	Upper
79	100		
108	78.4	66.0	99.0
77	66.5	51.6	77.4

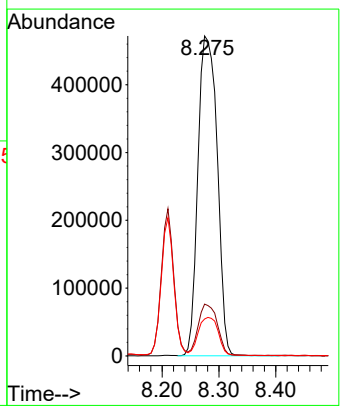


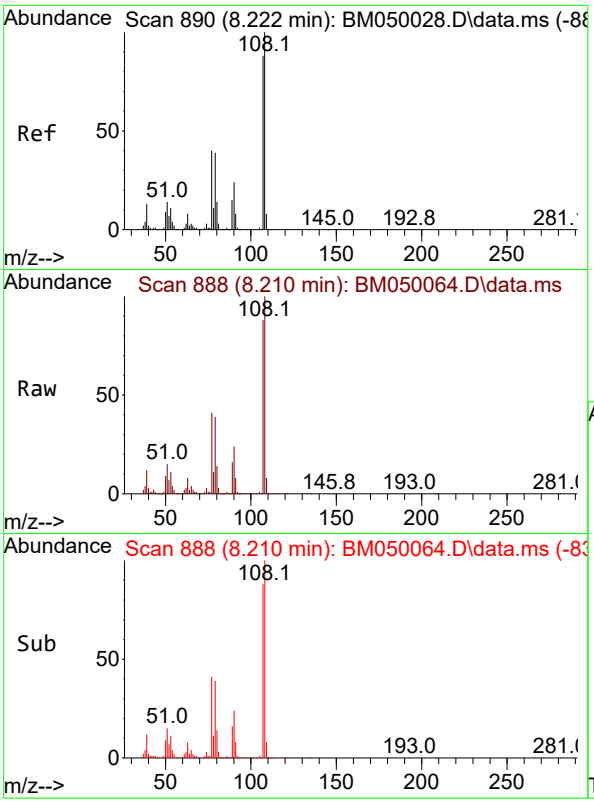


#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.352 ng
RT: 8.275 min Scan# 899
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion: 45 Resp: 1110403

Ion	Ratio	Lower	Upper
45	100		
77	16.2	0.0	36.4
79	11.6	0.0	32.7



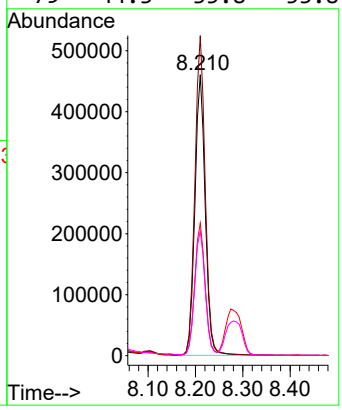


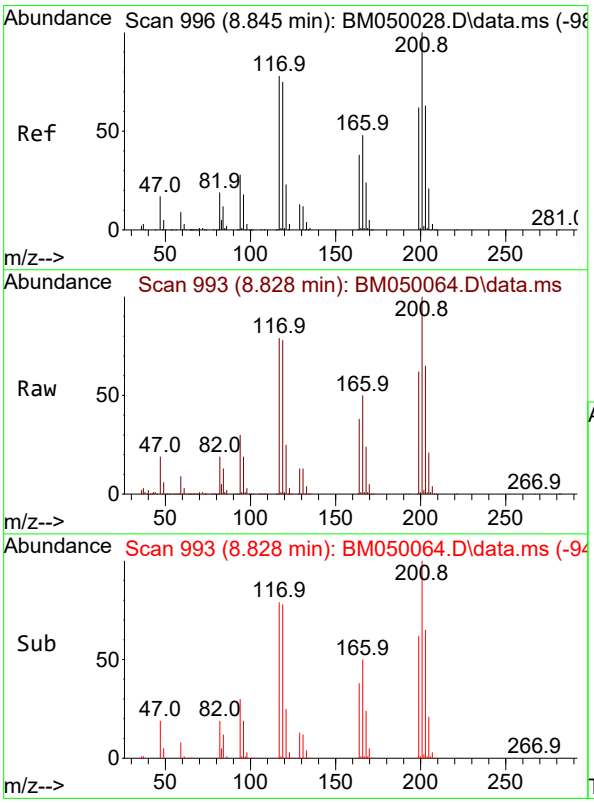
#17
2-Methylphenol
Concen: 42.996 ng
RT: 8.210 min Scan# 8
Delta R.T. -0.012 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:107 Resp: 698651

Ion	Ratio	Lower	Upper
107	100		
108	113.9	91.1	136.7
77	47.1	36.2	54.4
79	44.3	35.8	53.8

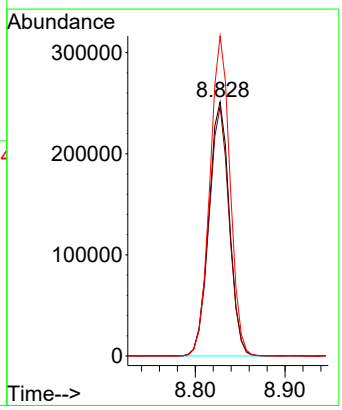


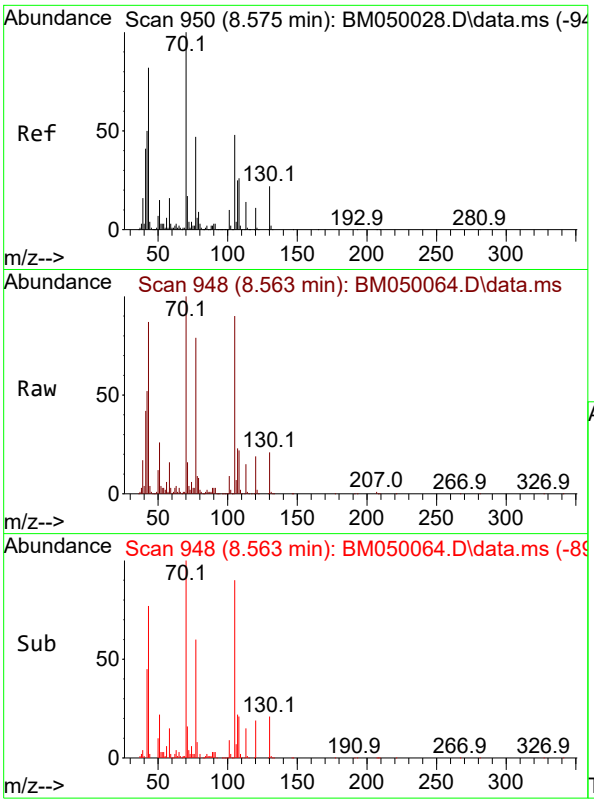


#18
Hexachloroethane
Concen: 44.169 ng
RT: 8.828 min Scan# 993
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:117 Resp: 399371

Ion	Ratio	Lower	Upper
117	100		
119	98.1	77.3	115.9
201	125.9	102.8	154.2



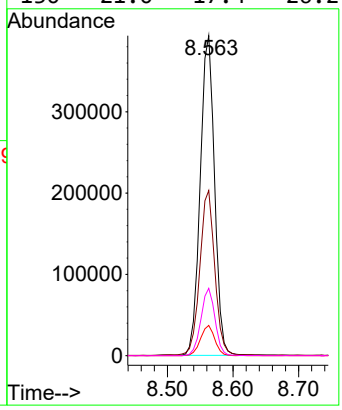


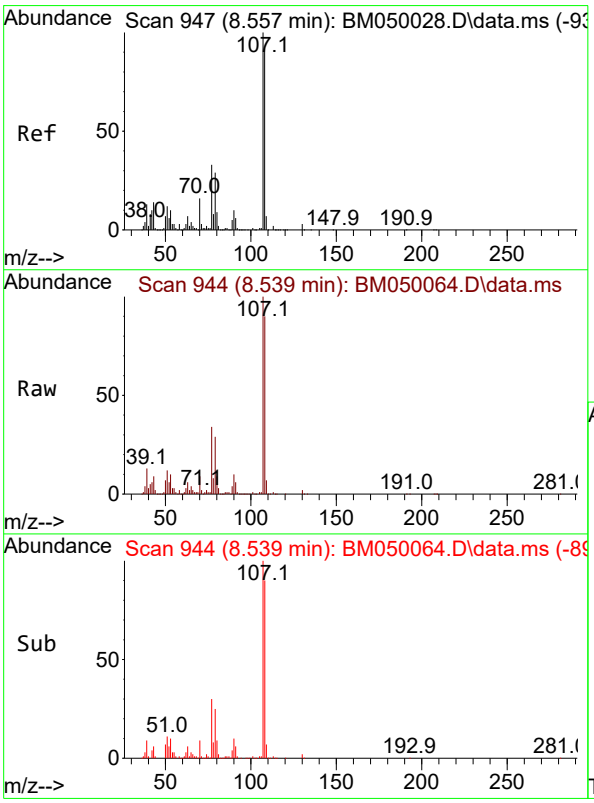
#19
n-Nitroso-di-n-propylamine
Concen: 38.288 ng
RT: 8.563 min Scan# 94
Delta R.T. -0.012 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion: 70 Resp: 598312

Ion	Ratio	Lower	Upper
70	100		
42	51.6	40.5	60.7
101	9.4	7.8	11.6
130	21.0	17.4	26.2

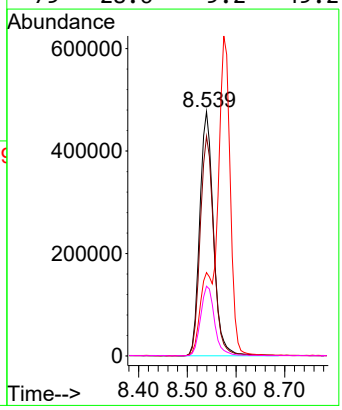


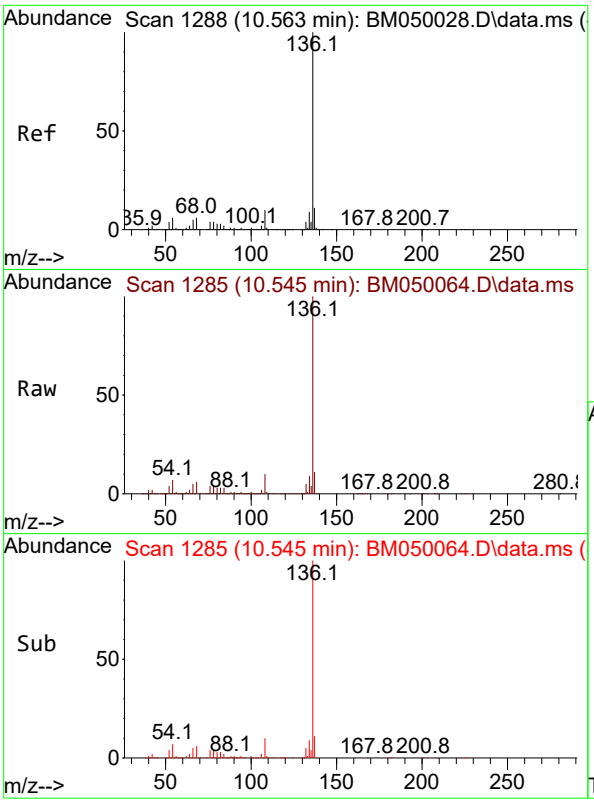


#20
3+4-Methylphenols
Concen: 42.350 ng
RT: 8.539 min Scan# 944
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:107 Resp: 929313

Ion	Ratio	Lower	Upper
107	100		
108	89.9	72.4	112.4
77	34.1	13.6	53.6
79	28.6	9.2	49.2



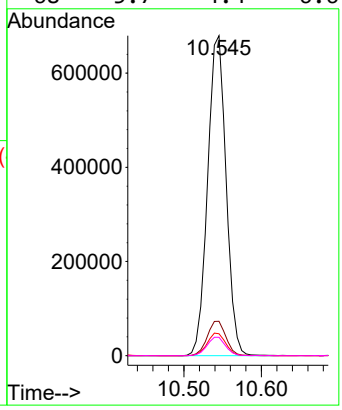


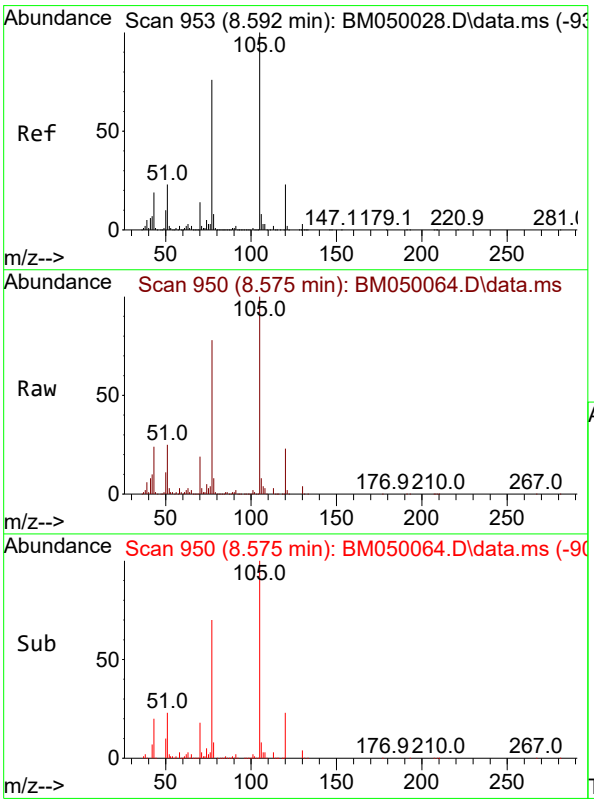
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.545 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:136 Resp: 1125326

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.9	5.1	7.7
68	5.7	4.4	6.6

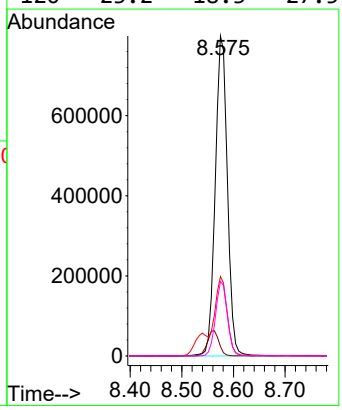


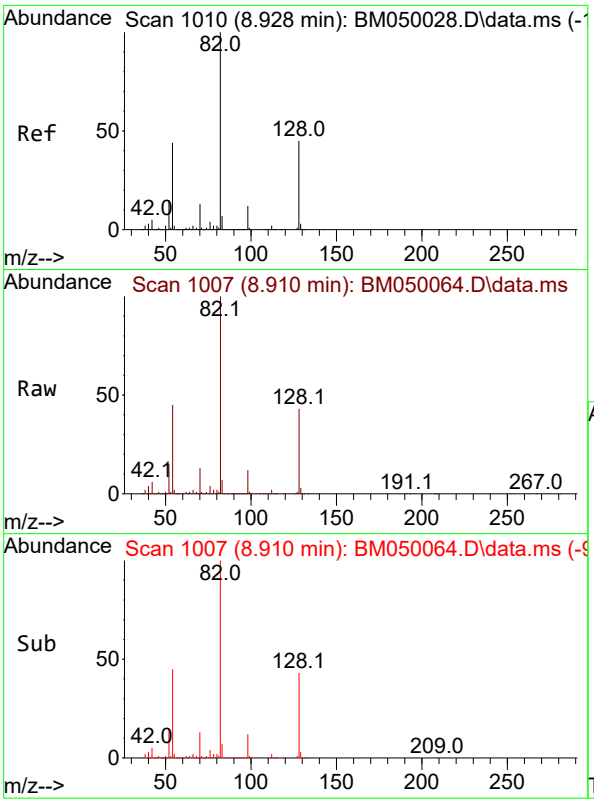


#22
Acetophenone
Concen: 46.657 ng
RT: 8.575 min Scan# 950
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:105 Resp: 1305356

Ion	Ratio	Lower	Upper
105	100		
71	3.0	1.7	2.5#
51	24.8	18.6	27.8
120	23.2	18.3	27.5



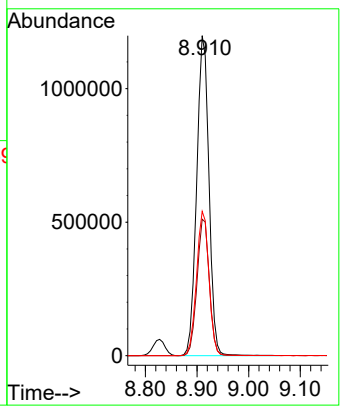


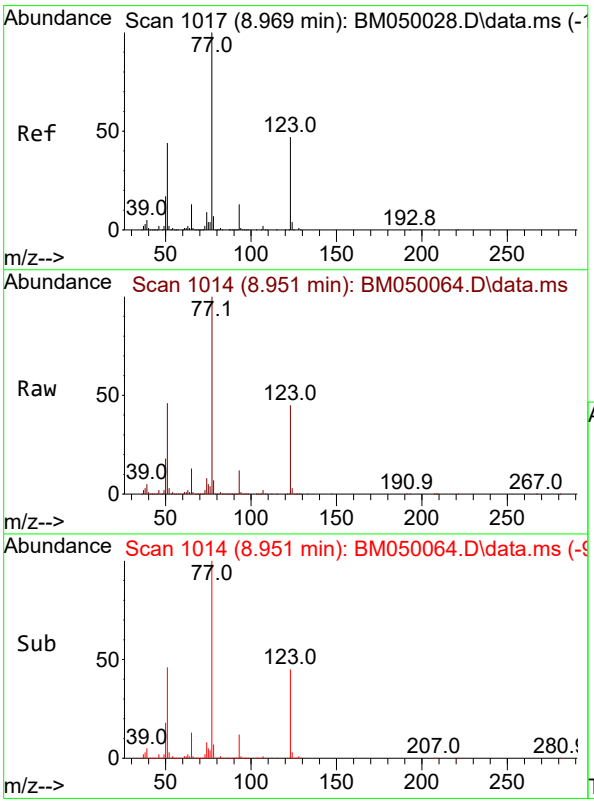
#23
Nitrobenzene-d5
Concen: 86.379 ng
RT: 8.910 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion: 82 Resp: 1972634

Ion	Ratio	Lower	Upper
82	100		
128	42.6	35.7	53.5
54	45.1	35.4	53.2

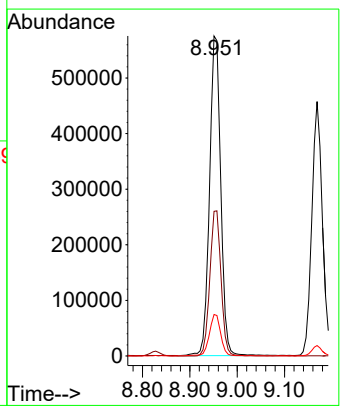


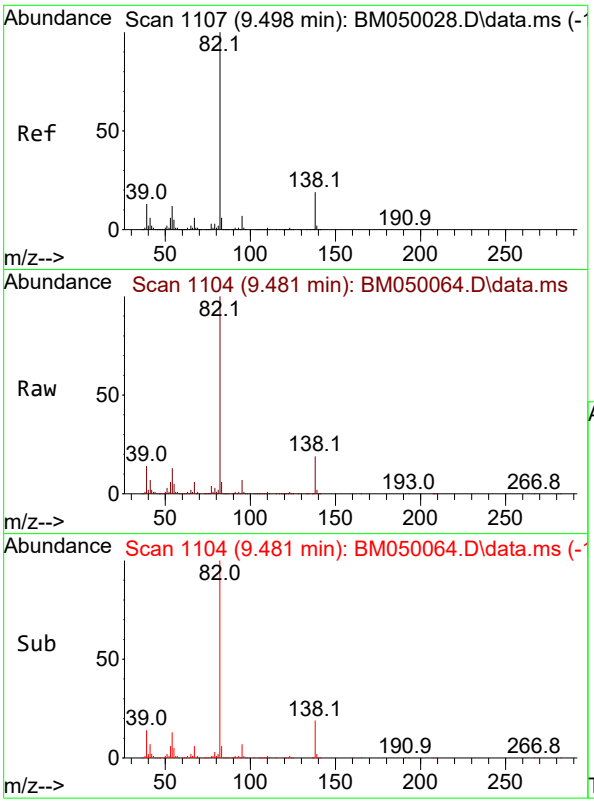


#24
Nitrobenzene
Concen: 47.731 ng
RT: 8.951 min Scan# 1014
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion: 77 Resp: 942517

Ion	Ratio	Lower	Upper
77	100		
123	45.2	37.9	56.9
65	12.9	10.1	15.1



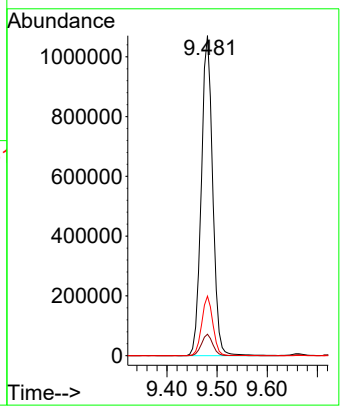


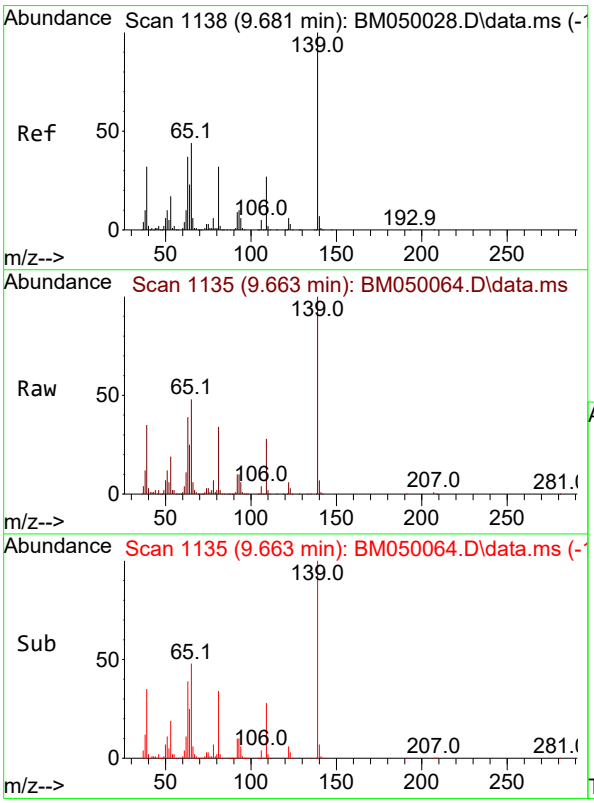
#25
Isophorone
Concen: 43.352 ng
RT: 9.481 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion: 82 Resp: 1687587

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.7	8.5
138	18.6	15.5	23.3

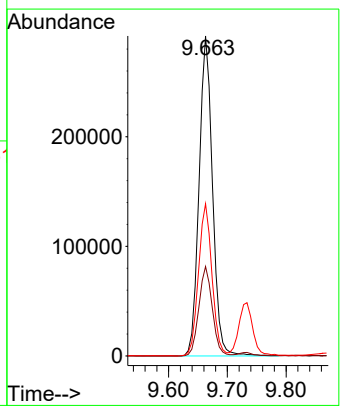


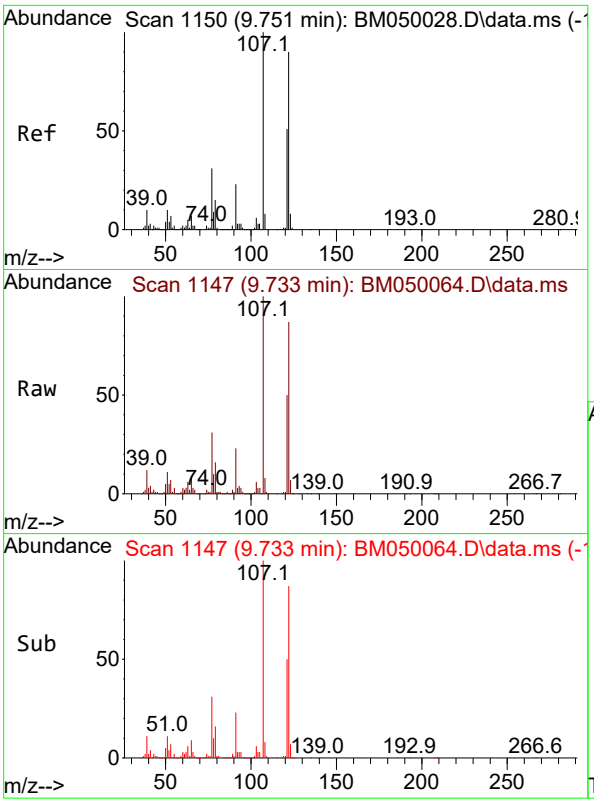


#26
2-Nitrophenol
Concen: 46.156 ng
RT: 9.663 min Scan# 1135
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:139 Resp: 465611

Ion	Ratio	Lower	Upper
139	100		
109	27.9	21.9	32.9
65	47.5	35.4	53.2



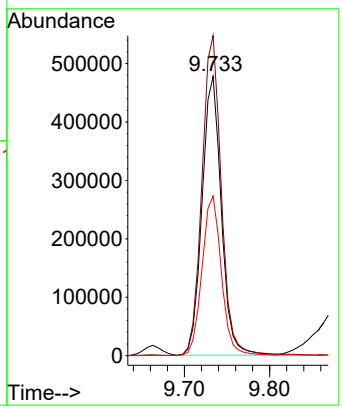


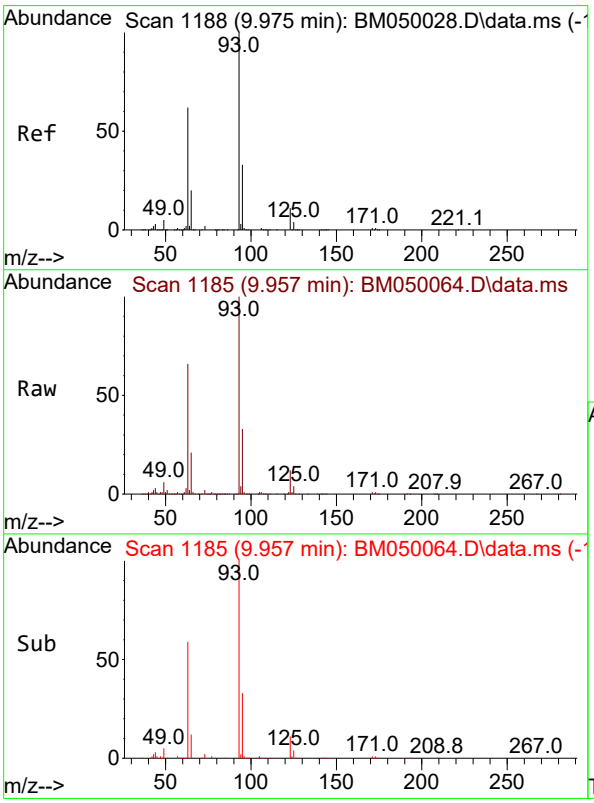
#27
2,4-Dimethylphenol
Concen: 44.825 ng
RT: 9.733 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:122 Resp: 749898

Ion	Ratio	Lower	Upper
122	100		
107	114.5	89.0	133.6
121	57.1	45.6	68.4

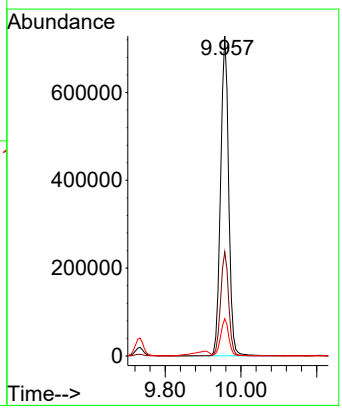


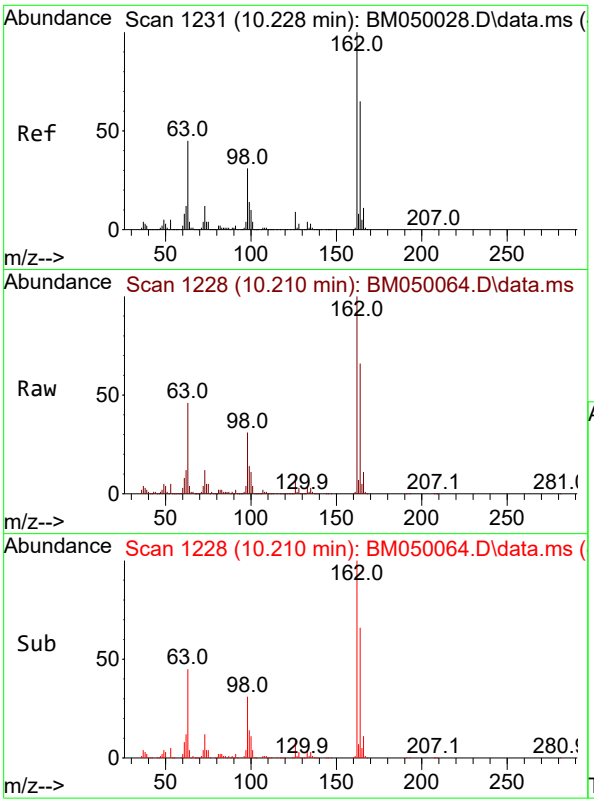


#28
bis(2-Chloroethoxy)methane
Concen: 45.008 ng
RT: 9.957 min Scan# 1185
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion: 93 Resp: 1082910

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.1	39.1
123	11.7	9.5	14.3



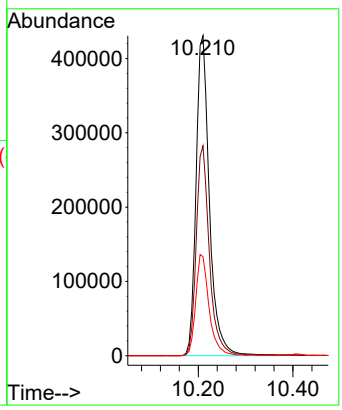


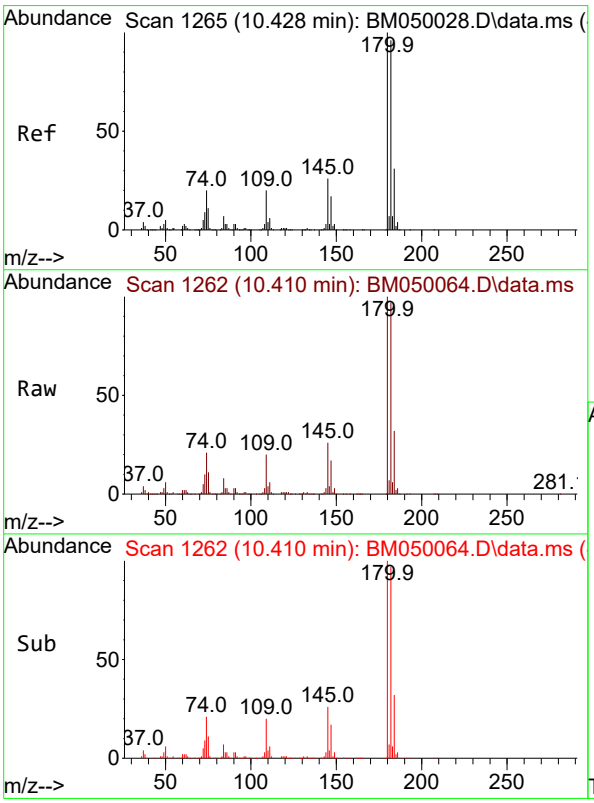
#29
2,4-Dichlorophenol
Concen: 45.032 ng
RT: 10.210 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:162 Resp: 843978

Ion	Ratio	Lower	Upper
162	100		
164	65.6	45.4	85.4
98	31.0	11.3	51.3

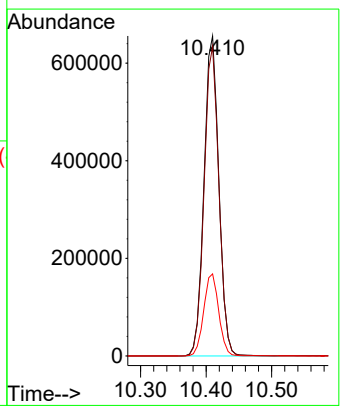


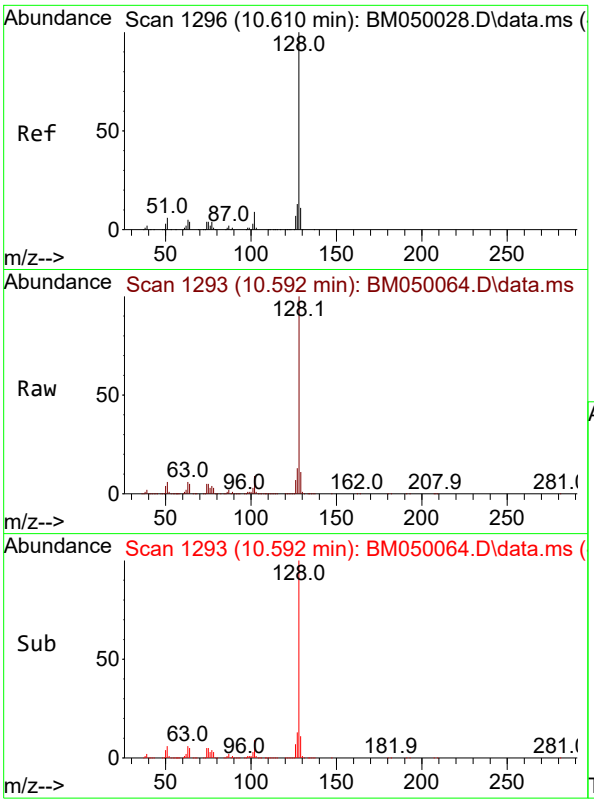


#30
1,2,4-Trichlorobenzene
Concen: 45.219 ng
RT: 10.410 min Scan# 1262
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:180 Resp: 1032540

Ion	Ratio	Lower	Upper
180	100		
182	96.7	77.0	115.4
145	25.6	20.6	30.8



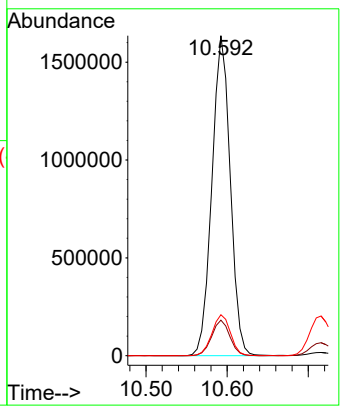


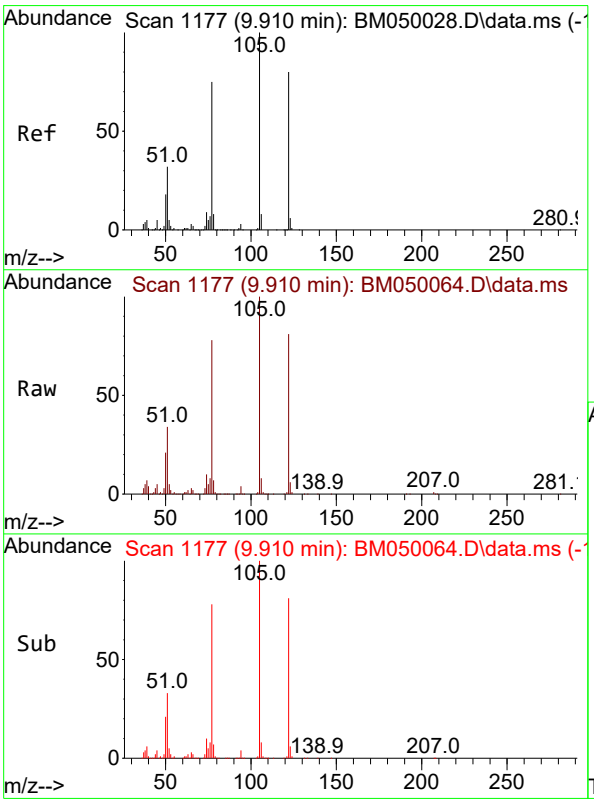
#31
Naphthalene
Concen: 45.037 ng
RT: 10.592 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:128 Resp: 2566661

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	12.8	10.4	15.6

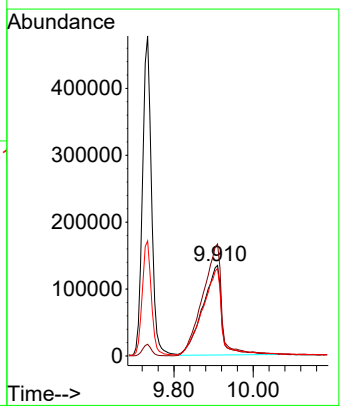


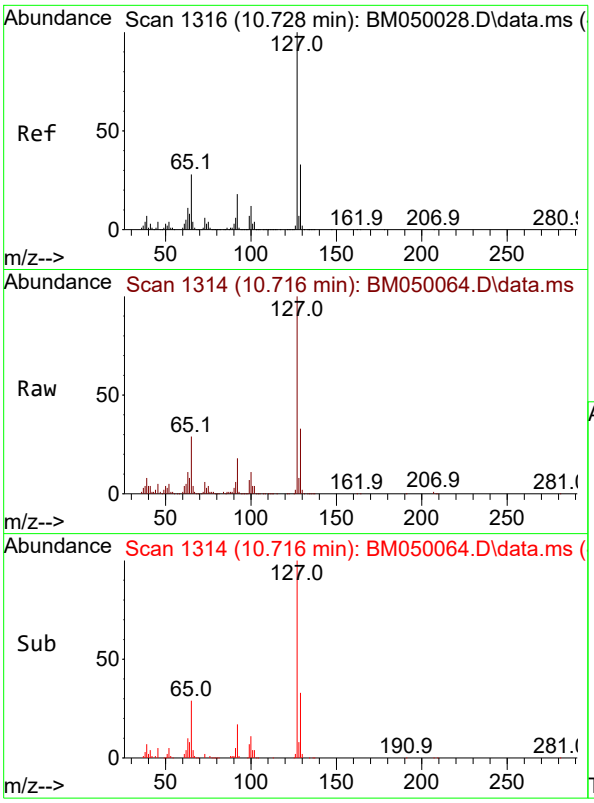


#32
Benzoic acid
Concen: 42.109 ng
RT: 9.910 min Scan# 1177
Delta R.T. -0.000 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:122 Resp: 450544

Ion	Ratio	Lower	Upper
122	100		
105	123.7	103.6	143.6
77	96.9	73.7	113.7



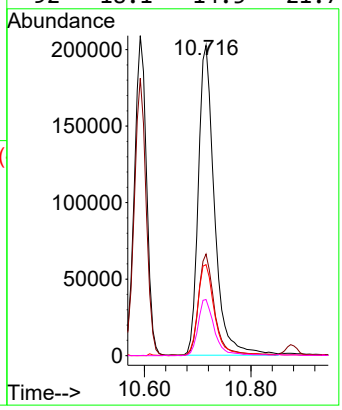


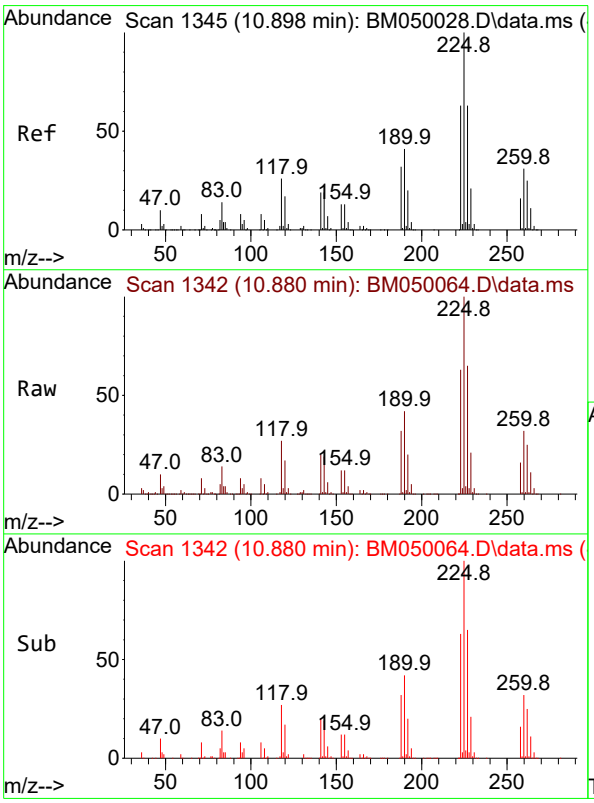
#33
4-Chloroaniline
Concen: 18.284 ng
RT: 10.716 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:127 Resp: 427099

Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.3	39.5
65	29.4	22.5	33.7
92	18.1	14.5	21.7

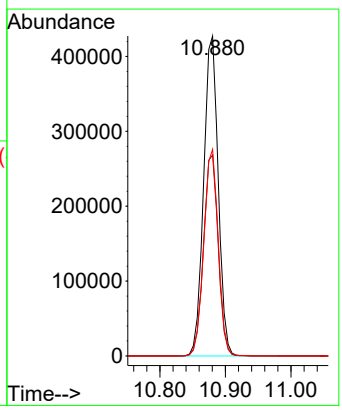


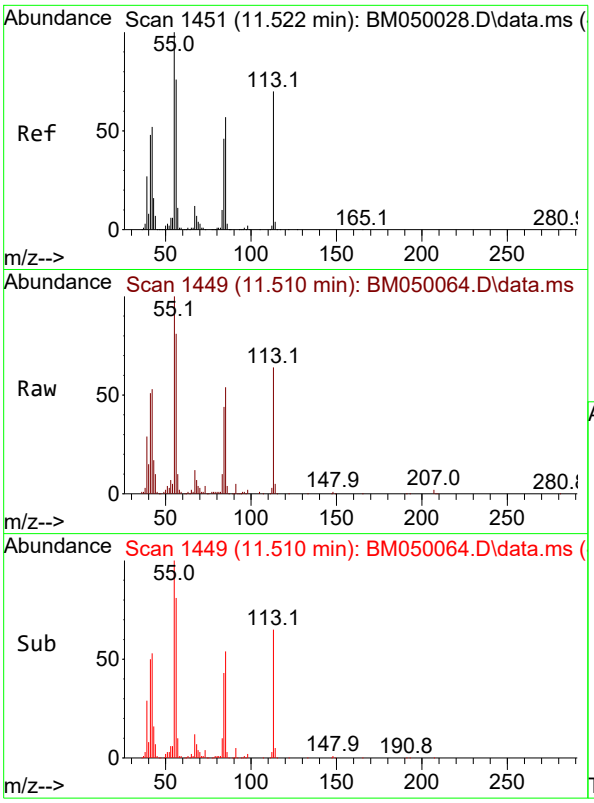


#34
Hexachlorobutadiene
Concen: 45.561 ng
RT: 10.880 min Scan# 1342
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:225 Resp: 660379

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.2	75.2
227	64.5	50.6	76.0



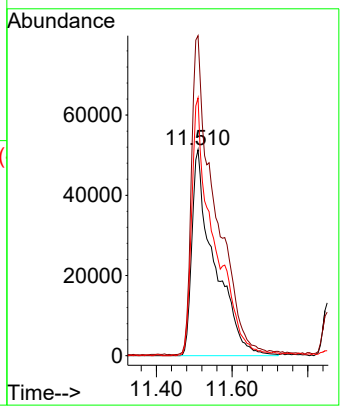


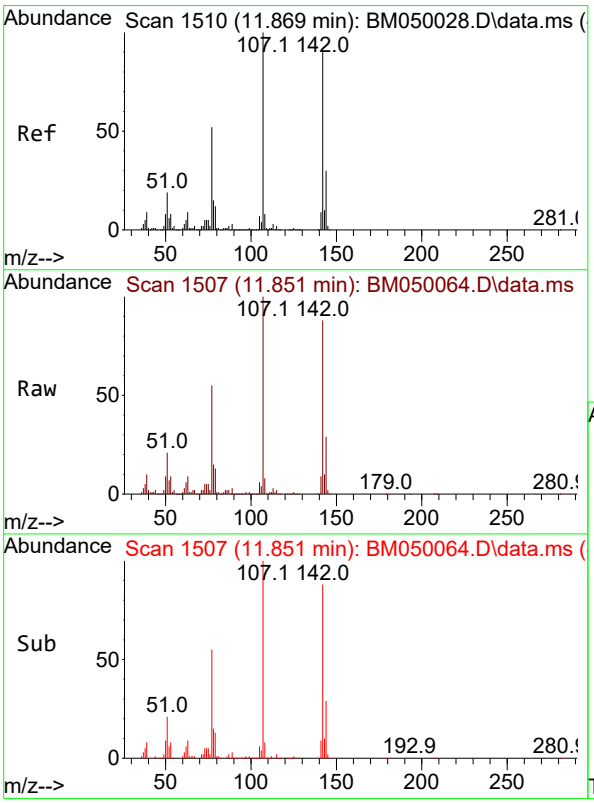
#35
Caprolactam
Concen: 38.500 ng
RT: 11.510 min Scan# 14
Delta R.T. -0.012 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:113 Resp: 210388

Ion	Ratio	Lower	Upper
113	100		
55	155.4	122.9	162.9
56	125.1	88.1	128.1

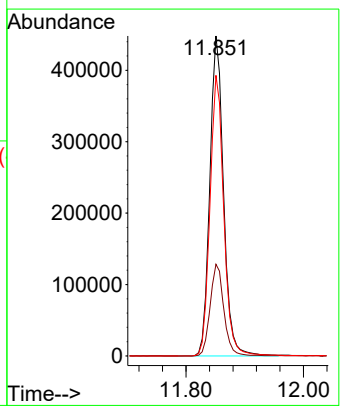


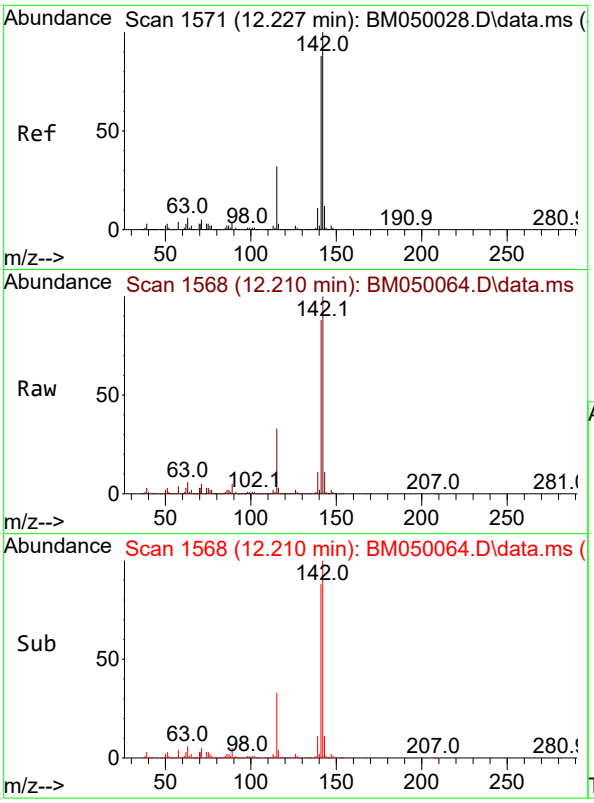


#36
4-Chloro-3-methylphenol
Concen: 41.945 ng
RT: 11.851 min Scan# 1507
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:107 Resp: 726282

Ion	Ratio	Lower	Upper
107	100		
144	28.6	23.8	35.6
142	87.7	71.9	107.9



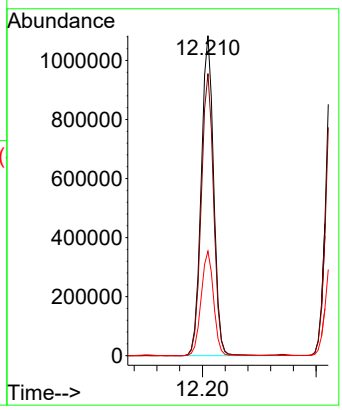


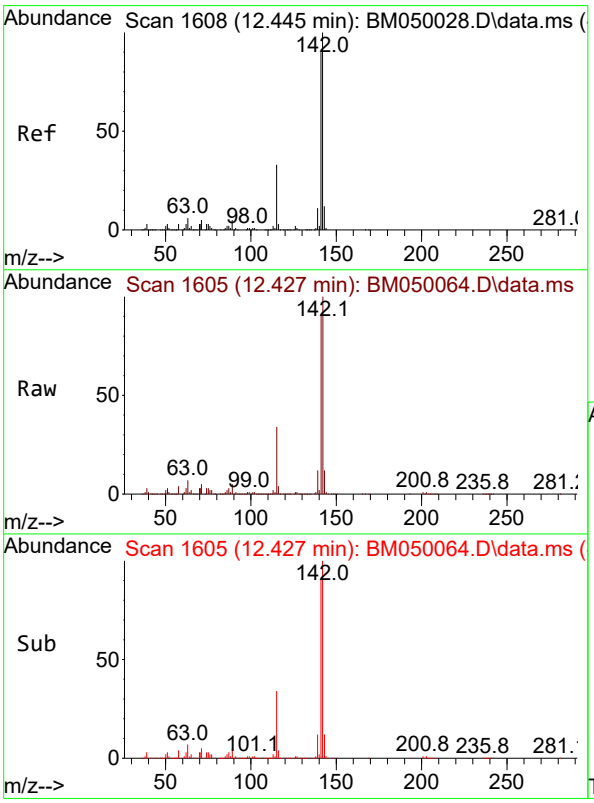
#37
2-Methylnaphthalene
Concen: 42.898 ng
RT: 12.210 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:142 Resp: 1639055

Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.4	105.6
115	32.7	25.4	38.2

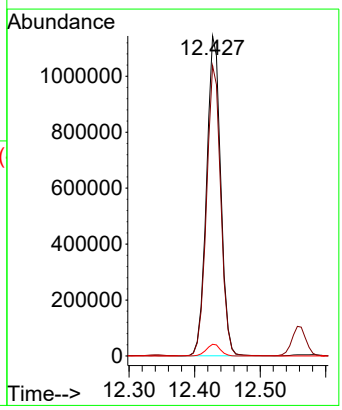


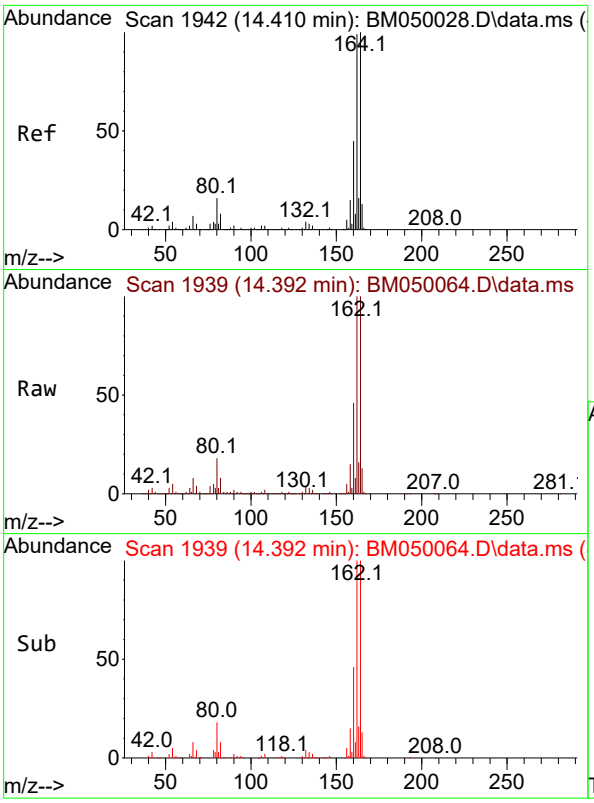


#38
1-Methylnaphthalene
Concen: 42.443 ng
RT: 12.427 min Scan# 1605
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:142 Resp: 1716193

Ion	Ratio	Lower	Upper
142	100		
141	90.7	72.1	108.1
116	3.7	2.7	4.1



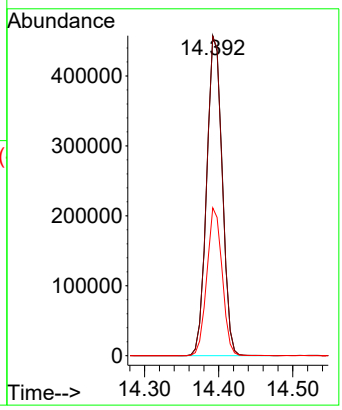


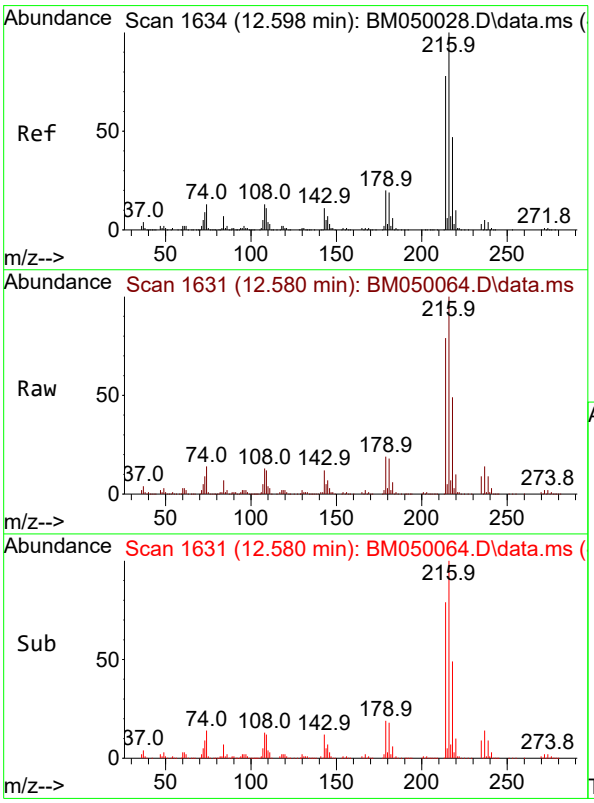
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:164 Resp: 664515

Ion	Ratio	Lower	Upper
164	100		
162	99.7	79.4	119.0
160	46.2	36.2	54.4

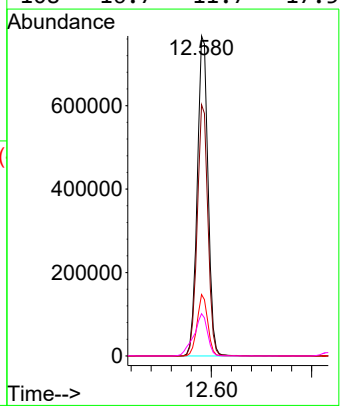


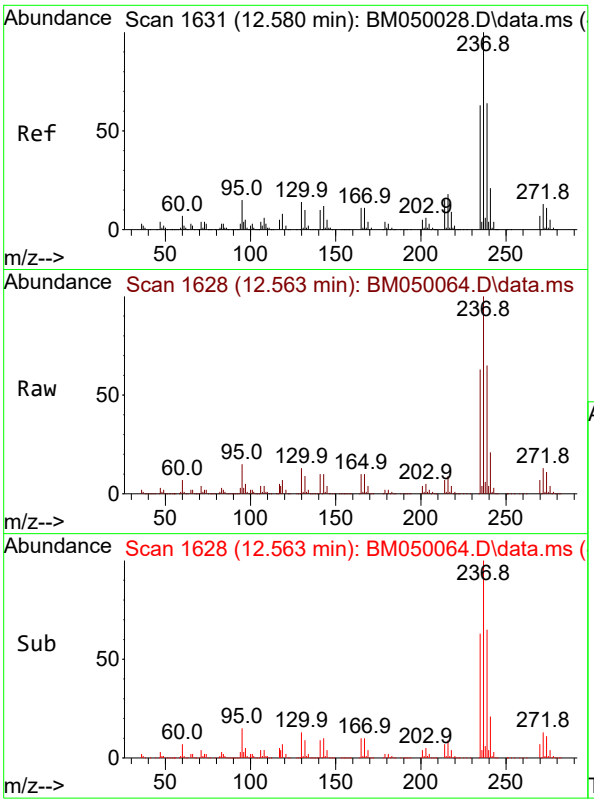


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.630 ng
RT: 12.580 min Scan# 1631
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:216 Resp: 1141673

Ion	Ratio	Lower	Upper
216	100		
214	78.0	62.3	93.5
179	18.9	15.4	23.0
108	16.7	11.7	17.5



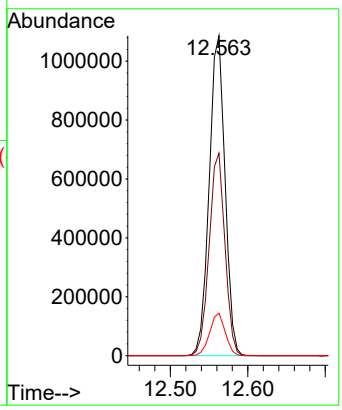


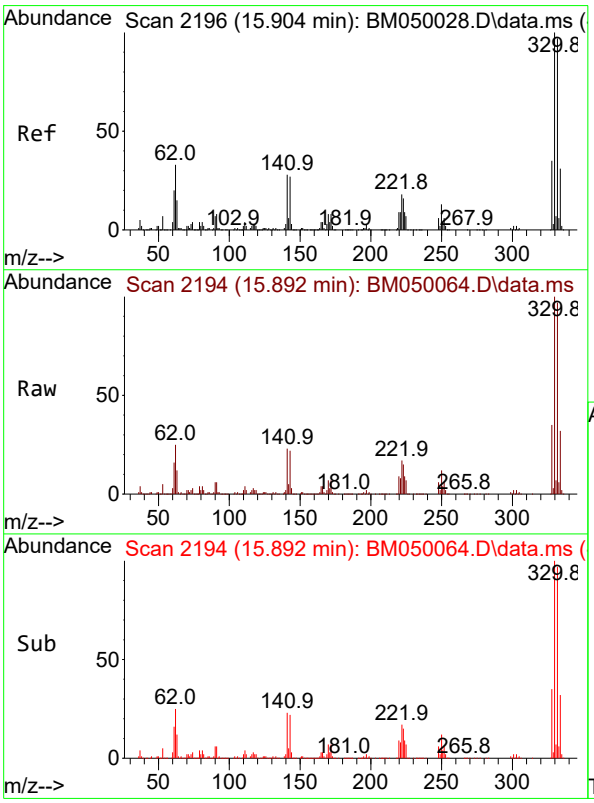
#41
Hexachlorocyclopentadiene
Concen: 109.633 ng
RT: 12.563 min Scan# 1
Delta R.T. -0.017 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:237 Resp: 1541222

Ion	Ratio	Lower	Upper
237	100		
235	63.3	42.9	82.9
272	13.3	0.0	32.9

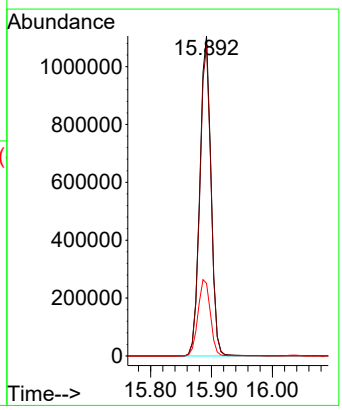


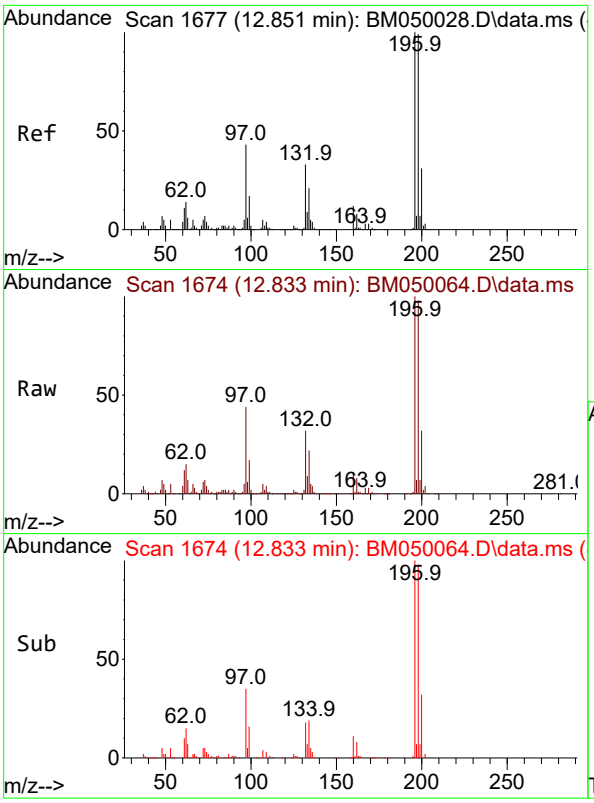


#42
2,4,6-Tribromophenol
Concen: 142.599 ng
RT: 15.892 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:330 Resp: 1401142

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.3	115.9
141	26.4	22.5	33.7



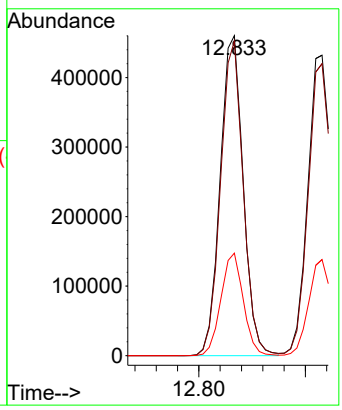


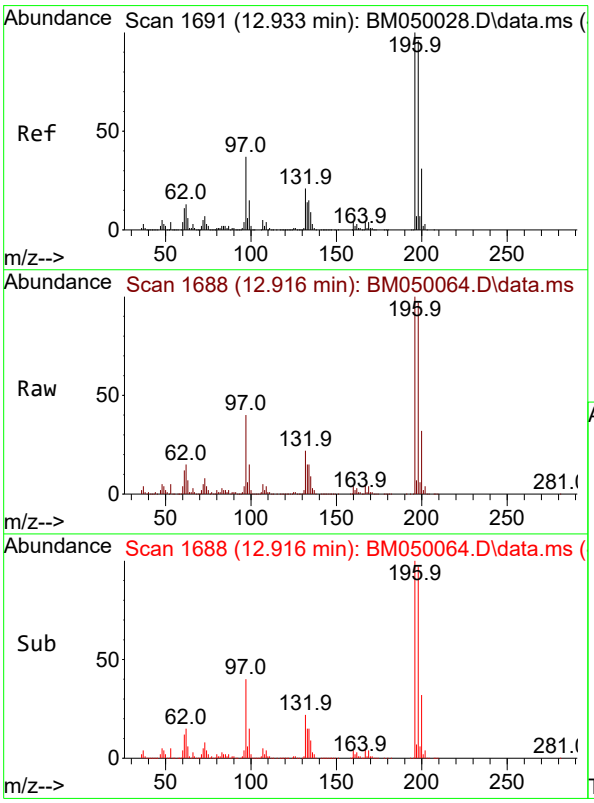
#43
2,4,6-Trichlorophenol
Concen: 47.365 ng
RT: 12.833 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:196 Resp: 691076

Ion	Ratio	Lower	Upper
196	100		
198	98.3	79.0	118.6
200	32.1	25.1	37.7

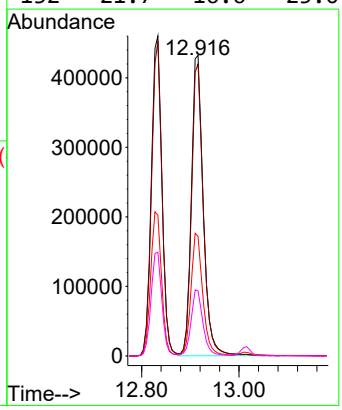


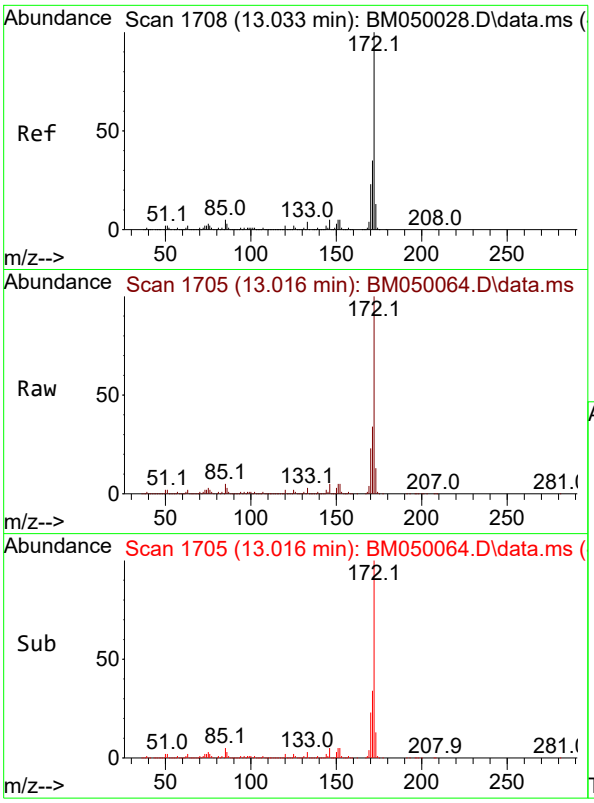


#44
2,4,5-Trichlorophenol
Concen: 46.880 ng
RT: 12.916 min Scan# 1688
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:196 Resp: 737586

Ion	Ratio	Lower	Upper
196	100		
198	97.2	76.7	115.1
97	39.8	30.1	45.1
132	21.7	16.6	25.0



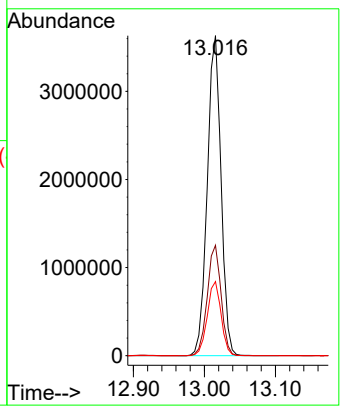


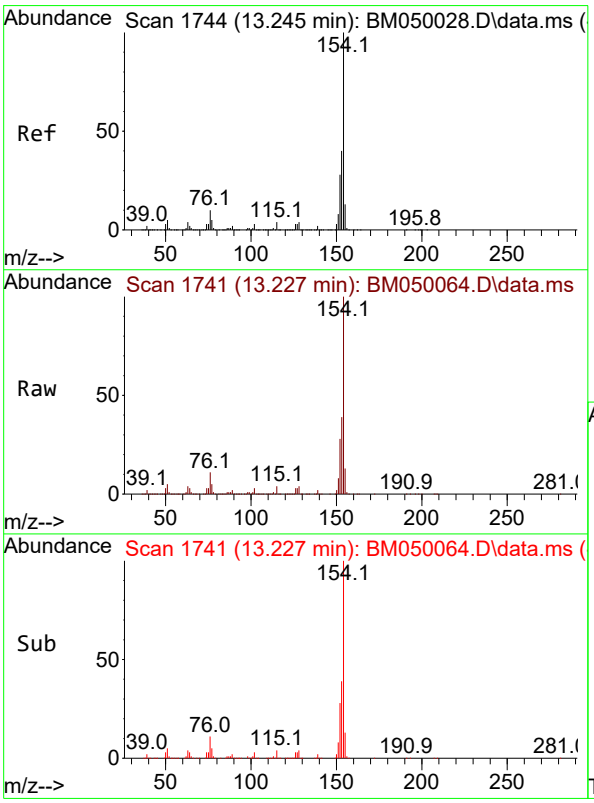
#45
2-Fluorobiphenyl
Concen: 87.243 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:172 Resp: 4900655

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.8	41.6
170	23.2	18.6	28.0

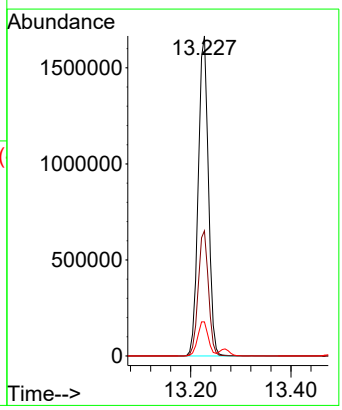


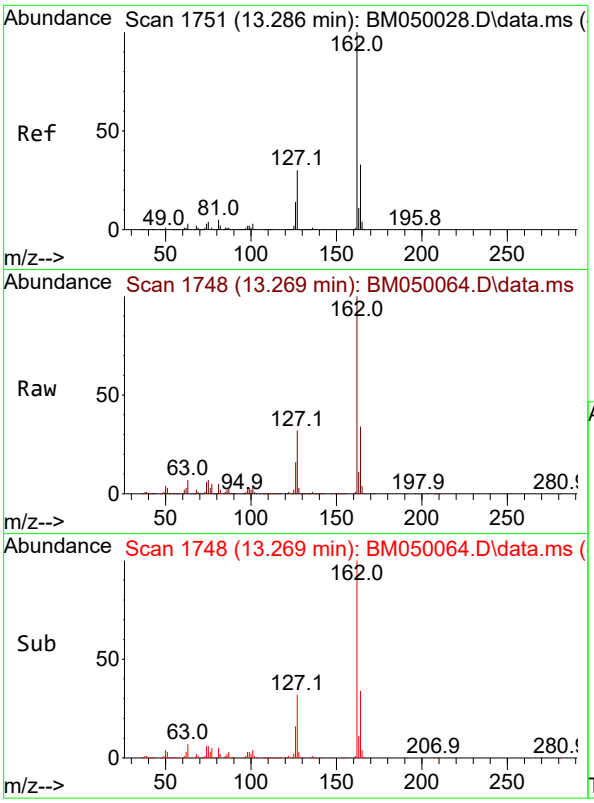


#46
1,1'-Biphenyl
Concen: 47.158 ng
RT: 13.227 min Scan# 1741
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:154 Resp: 2329469

Ion	Ratio	Lower	Upper
154	100		
153	39.1	20.0	60.0
76	10.7	0.0	30.3



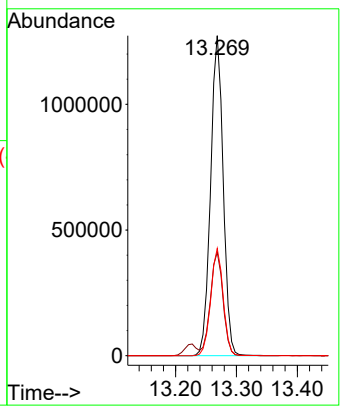


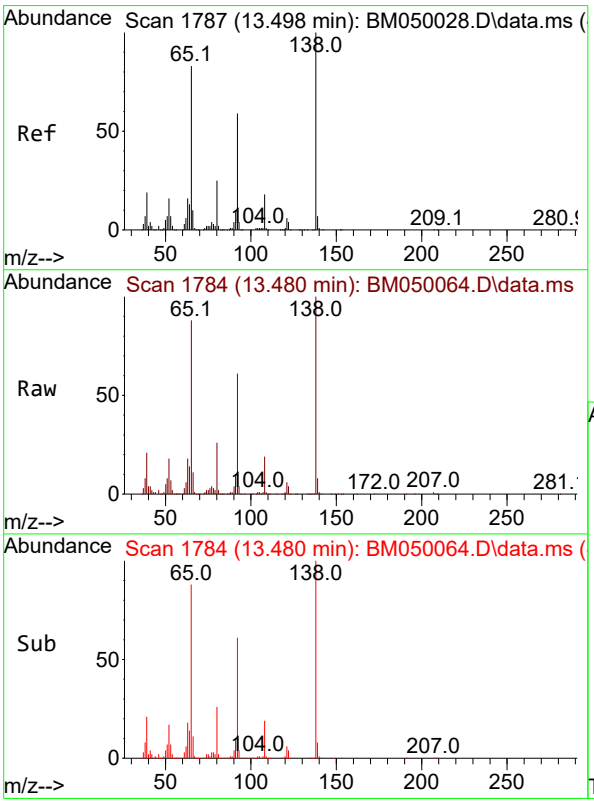
#47
2-Chloronaphthalene
Concen: 46.840 ng
RT: 13.269 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:162 Resp: 1832486

Ion	Ratio	Lower	Upper
162	100		
127	32.3	25.9	38.9
164	33.5	26.6	40.0

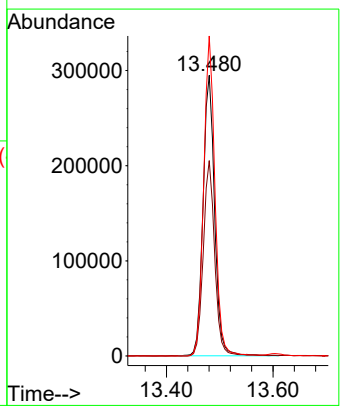


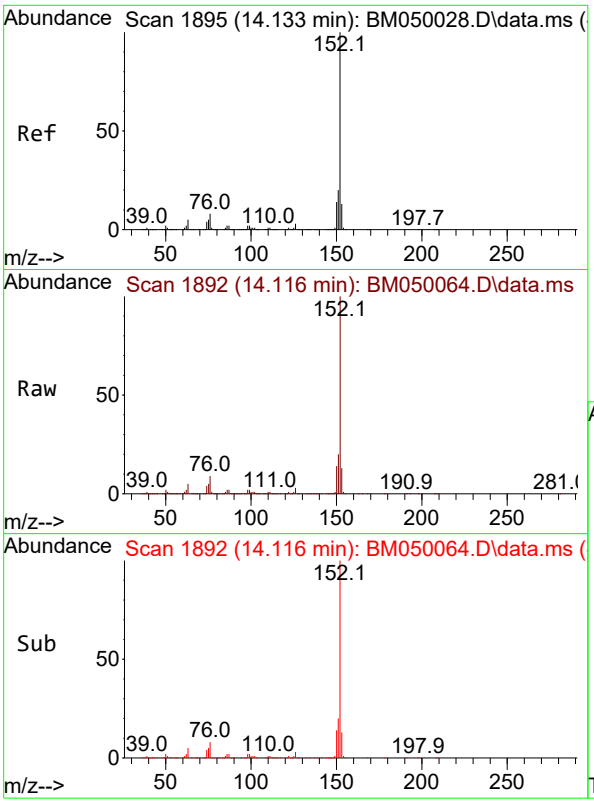


#48
2-Nitroaniline
Concen: 48.577 ng
RT: 13.480 min Scan# 1784
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion: 65 Resp: 446033

Ion	Ratio	Lower	Upper
65	100		
92	69.6	57.1	85.7
138	114.0	97.0	145.4



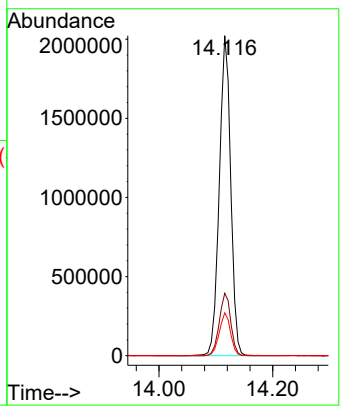


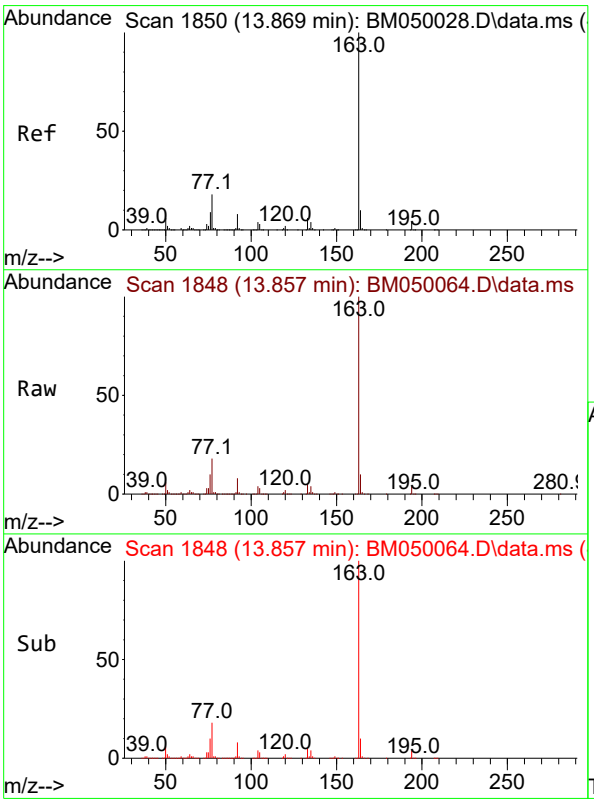
#49
Acenaphthylene
Concen: 45.679 ng
RT: 14.116 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:152 Resp: 2817647

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.8
153	13.4	10.6	15.8

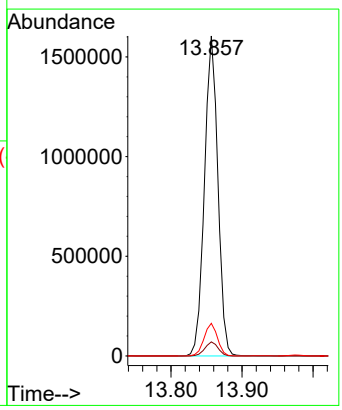


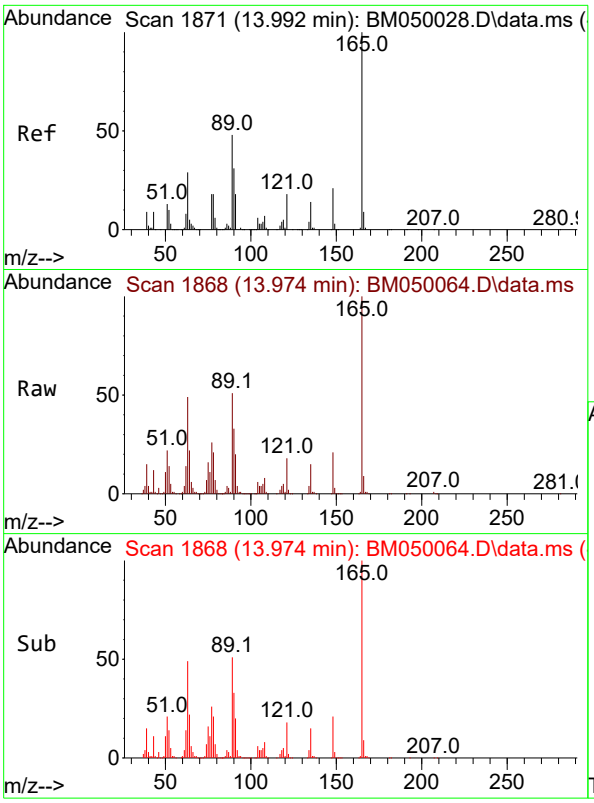


#50
Dimethylphthalate
Concen: 43.498 ng
RT: 13.857 min Scan# 1848
Delta R.T. -0.012 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:163 Resp: 2112431

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.2	8.2	12.2



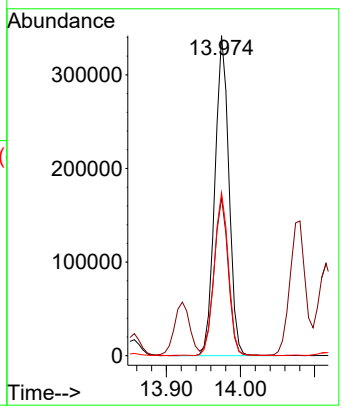


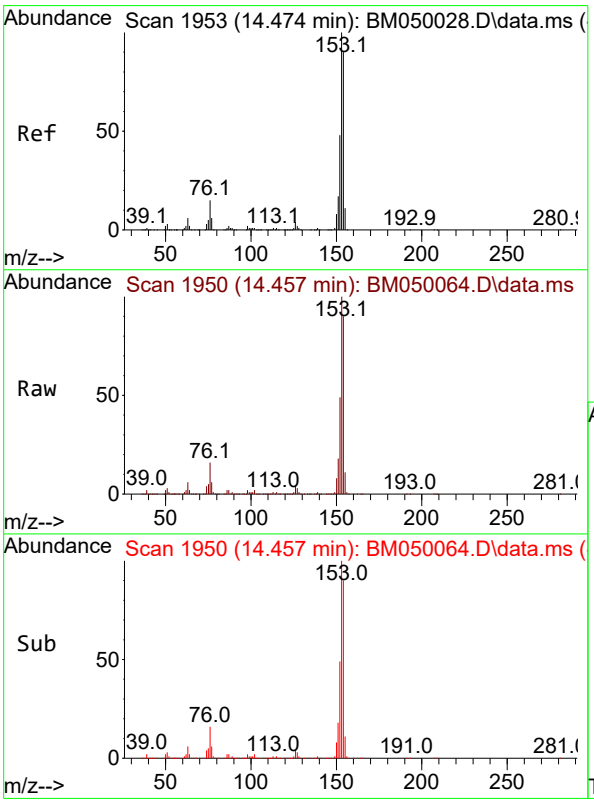
#51
2,6-Dinitrotoluene
Concen: 44.769 ng
RT: 13.974 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:165 Resp: 450148

Ion	Ratio	Lower	Upper
165	100		
63	49.3	35.1	52.7
89	51.0	38.4	57.6

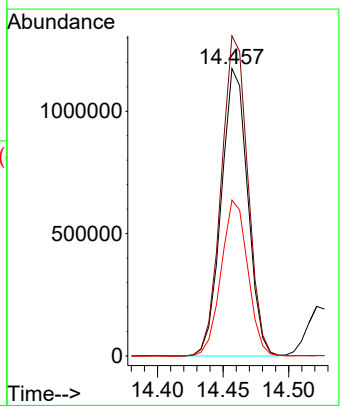


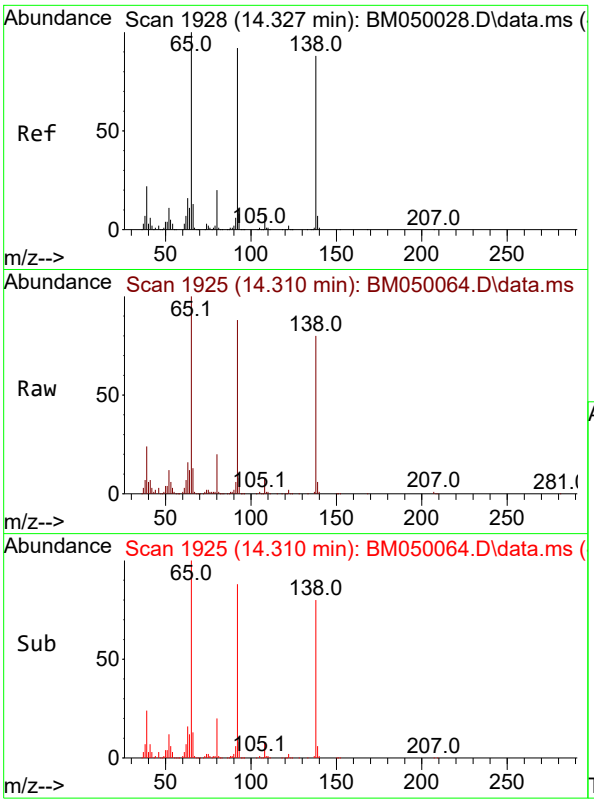


#52
Acenaphthene
Concen: 46.003 ng
RT: 14.457 min Scan# 1950
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:154 Resp: 1642526

Ion	Ratio	Lower	Upper
154	100		
153	111.3	89.0	133.4
152	54.2	43.0	64.6



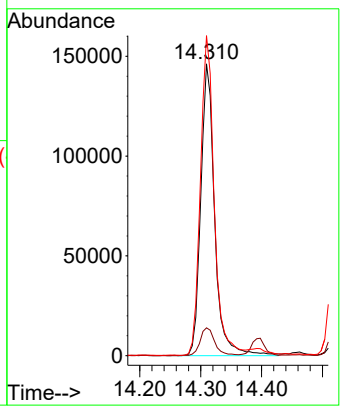


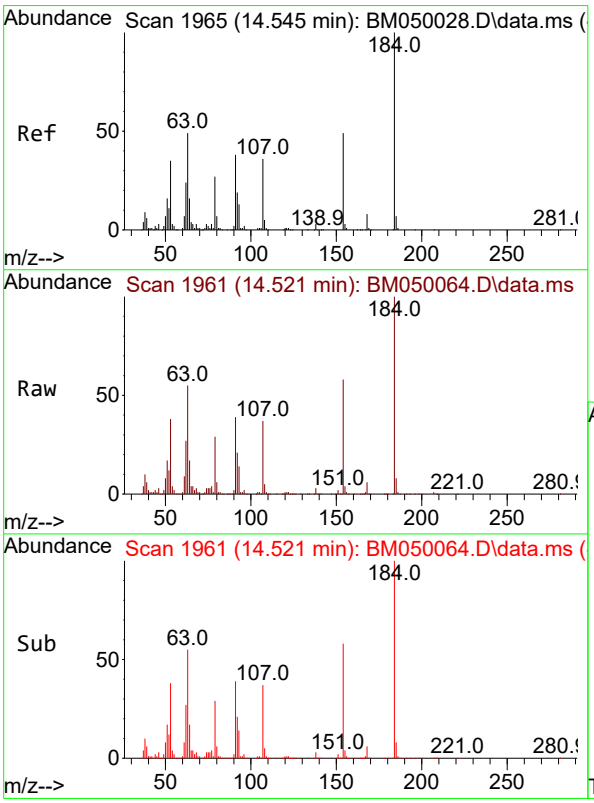
#53
3-Nitroaniline
Concen: 24.135 ng
RT: 14.310 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:138 Resp: 231684

Ion	Ratio	Lower	Upper
138	100		
108	9.5	7.4	11.2
92	109.6	84.0	126.0

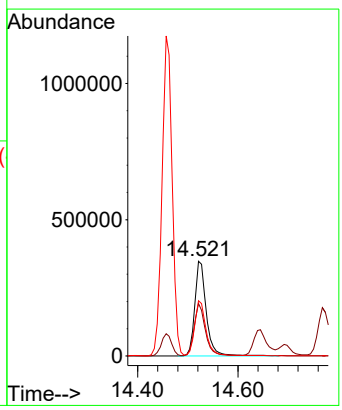


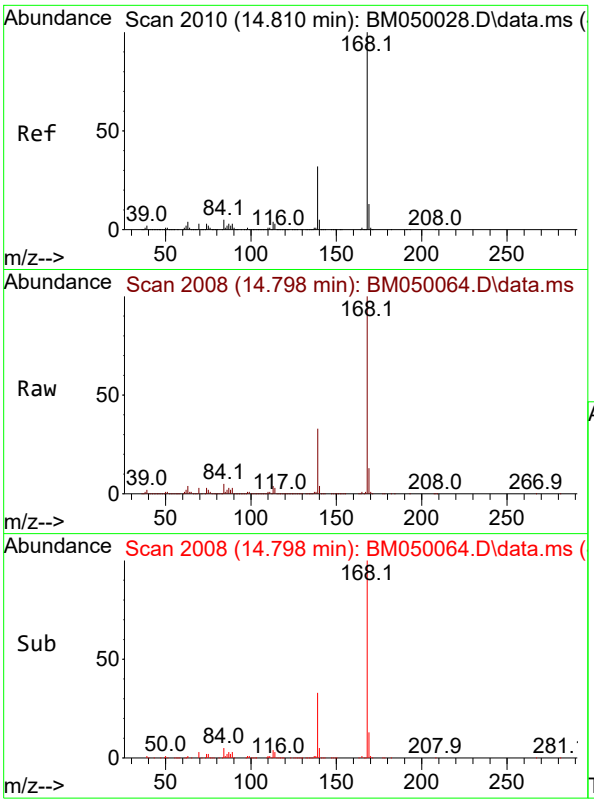


#54
2,4-Dinitrophenol
Concen: 85.470 ng
RT: 14.521 min Scan# 1961
Delta R.T. -0.024 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:184 Resp: 552700

Ion	Ratio	Lower	Upper
184	100		
63	55.5	39.8	59.6
154	58.4	46.1	69.1



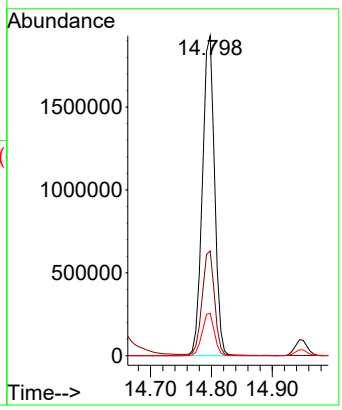


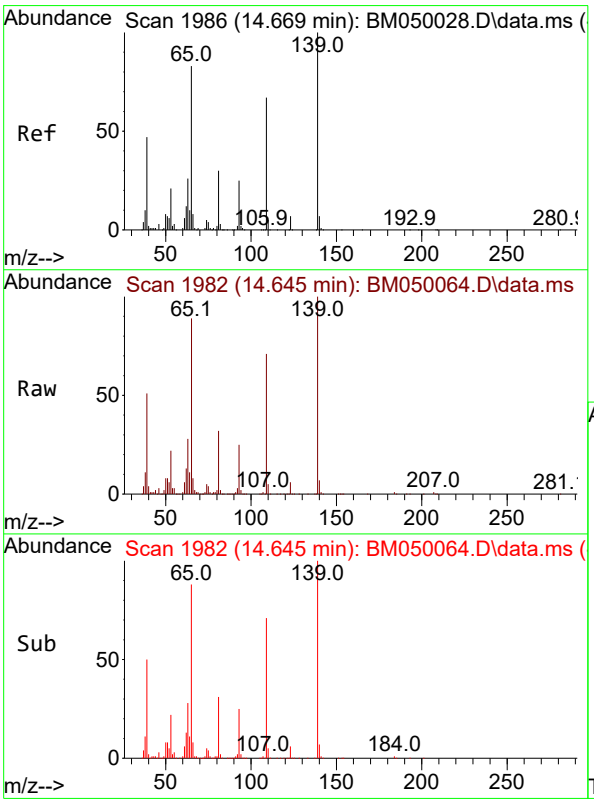
#55
Dibenzofuran
Concen: 45.062 ng
RT: 14.798 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:168 Resp: 2676911

Ion	Ratio	Lower	Upper
168	100		
139	32.7	26.1	39.1
169	13.3	10.8	16.2

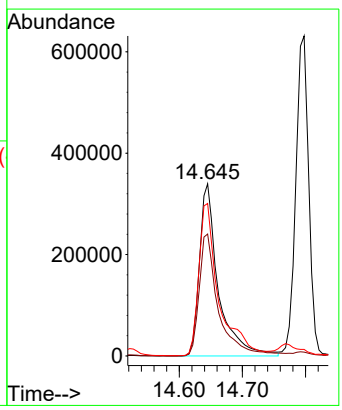


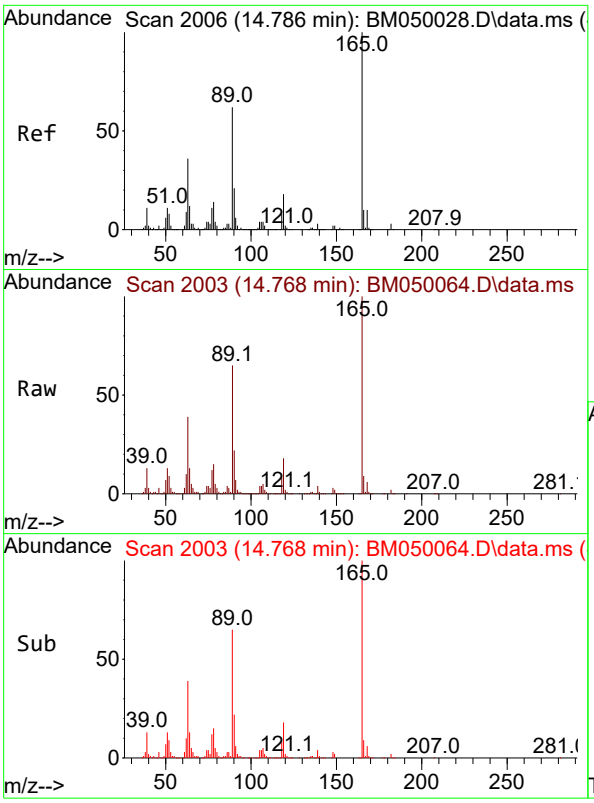


#56
4-Nitrophenol
Concen: 89.936 ng
RT: 14.645 min Scan# 1982
Delta R.T. -0.024 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:139 Resp: 707032

Ion	Ratio	Lower	Upper
139	100		
109	70.8	47.0	87.0
65	88.6	64.3	104.3



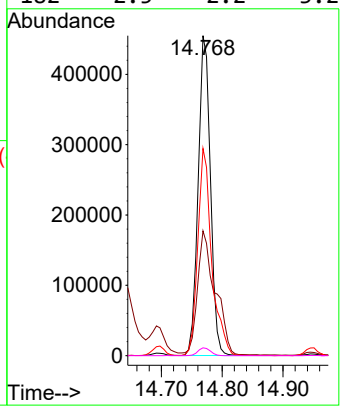


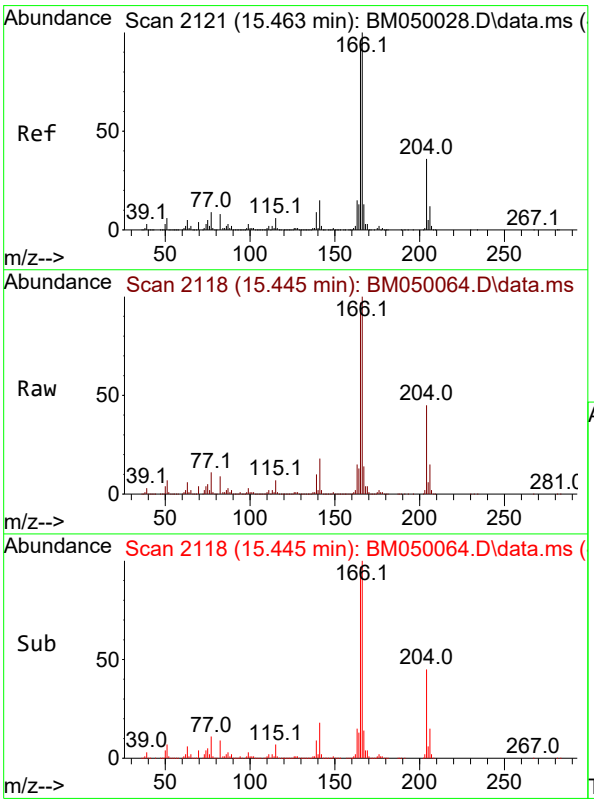
#57
2,4-Dinitrotoluene
Concen: 45.852 ng
RT: 14.768 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:165 Resp: 637054

Ion	Ratio	Lower	Upper
165	100		
63	39.0	29.0	43.6
89	64.7	49.4	74.2
182	2.5	2.2	3.2

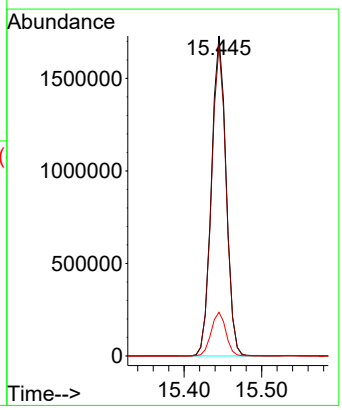


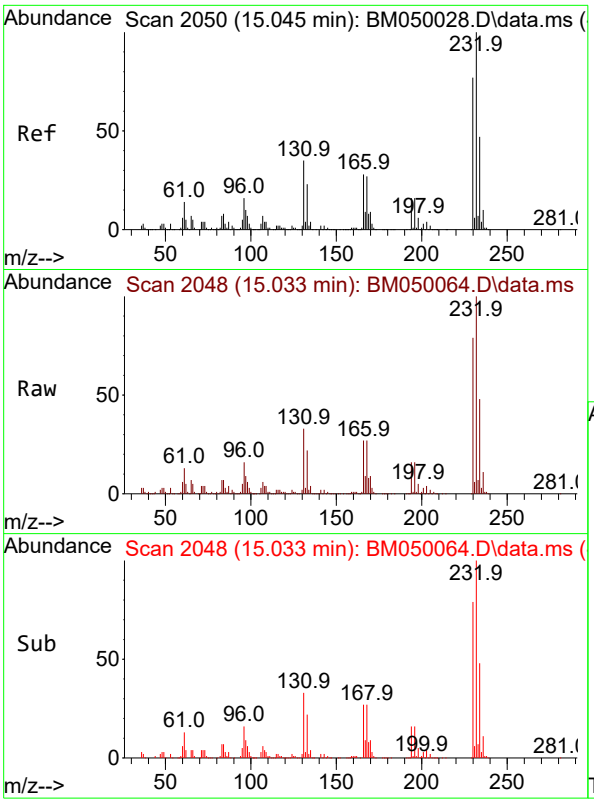


#58
Fluorene
Concen: 46.675 ng
RT: 15.445 min Scan# 2118
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:166 Resp: 2269556

Ion	Ratio	Lower	Upper
166	100		
165	96.9	76.6	115.0
167	13.6	10.6	16.0



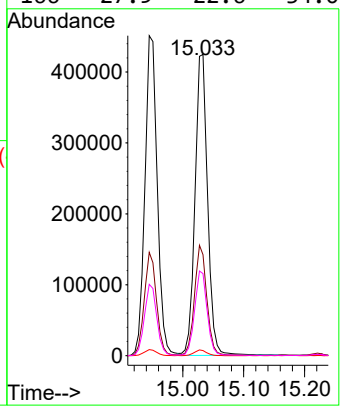


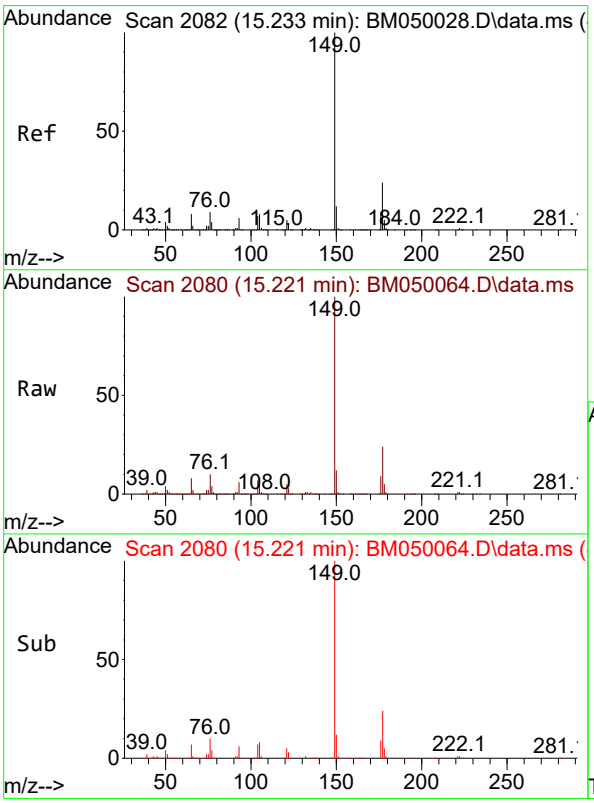
#59
2,3,4,6-Tetrachlorophenol
Concen: 44.697 ng
RT: 15.033 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:232 Resp: 608729

Ion	Ratio	Lower	Upper
232	100		
131	35.9	28.2	42.4
130	1.9	1.5	2.3
166	27.9	22.6	34.0

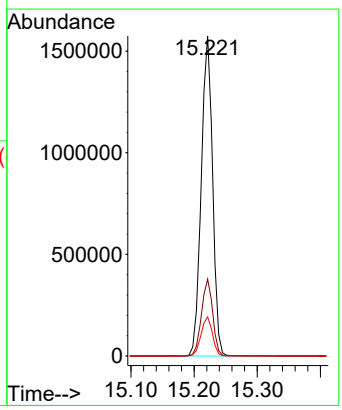


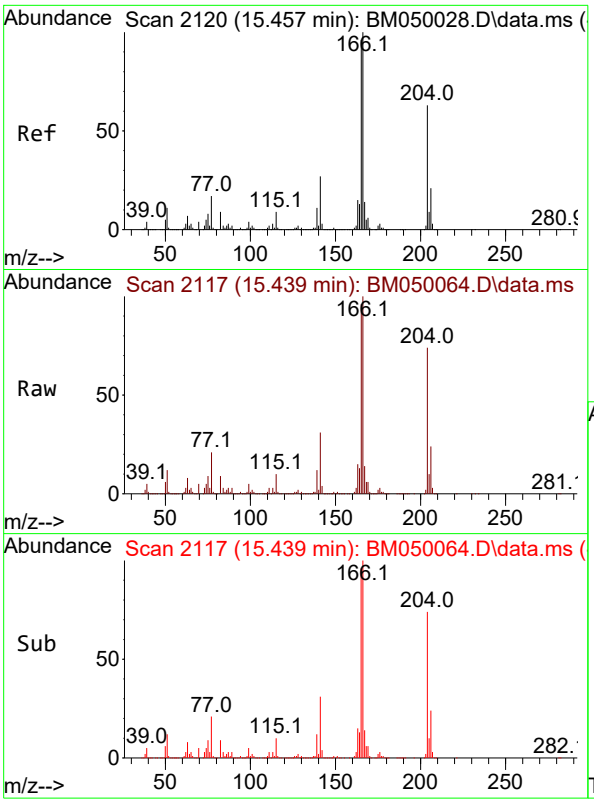


#60
Diethylphthalate
Concen: 42.921 ng
RT: 15.221 min Scan# 2080
Delta R.T. -0.012 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:149 Resp: 1964047

Ion	Ratio	Lower	Upper
149	100		
177	24.0	19.1	28.7
150	12.2	9.6	14.4



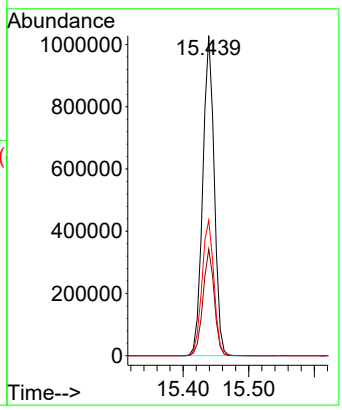


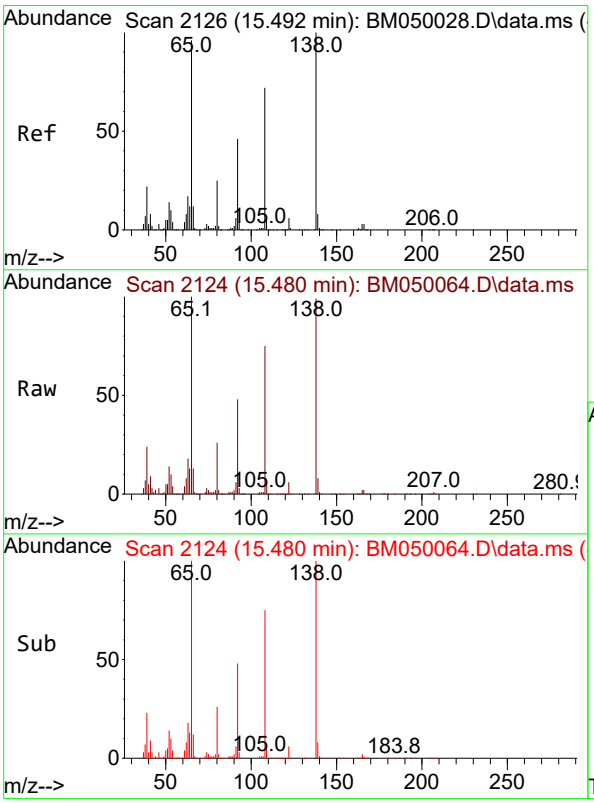
#61
4-Chlorophenyl-phenylether
Concen: 46.960 ng
RT: 15.439 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:204 Resp: 1254179

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.3	39.5
141	42.3	34.0	51.0

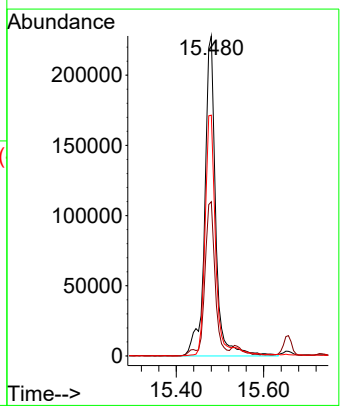


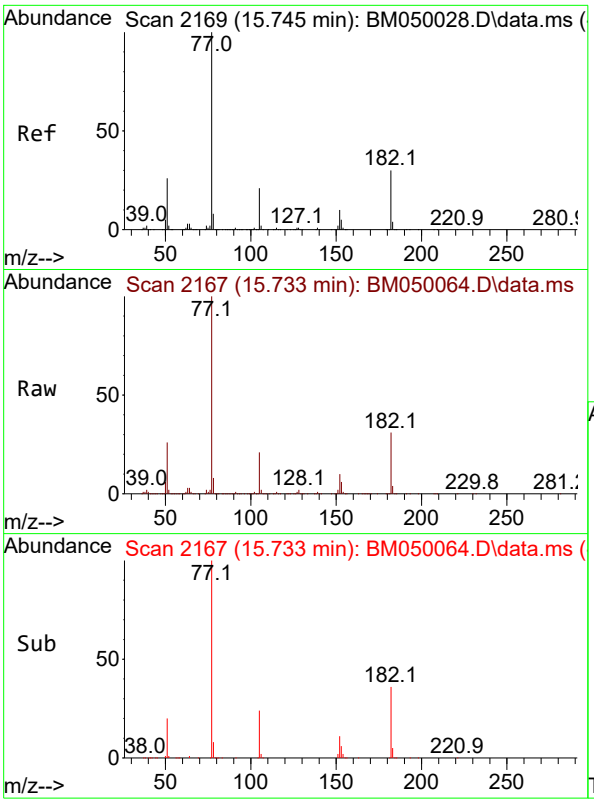


#62
4-Nitroaniline
Concen: 43.102 ng
RT: 15.480 min Scan# 2124
Delta R.T. -0.012 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:138 Resp: 399199

Ion	Ratio	Lower	Upper
138	100		
92	48.2	25.9	65.9
108	75.2	52.4	92.4



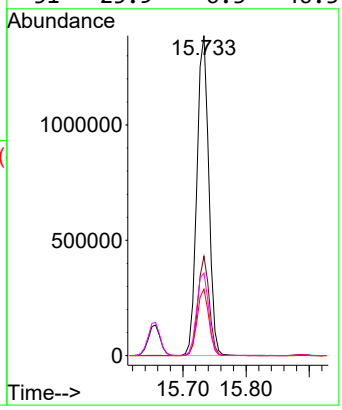


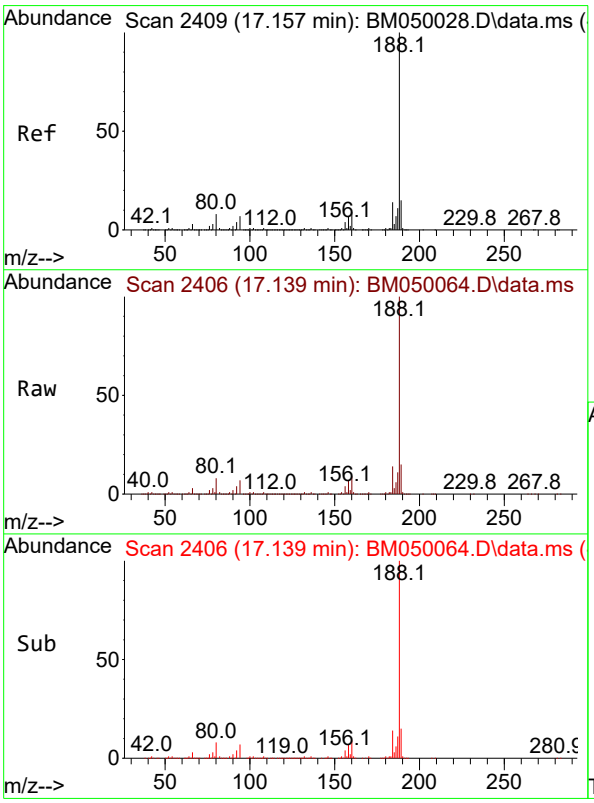
#63
Azobenzene
Concen: 47.006 ng
RT: 15.733 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion: 77 Resp: 1802713

Ion	Ratio	Lower	Upper
77	100		
182	31.0	10.5	50.5
105	20.8	1.1	41.1
51	25.9	6.3	46.3

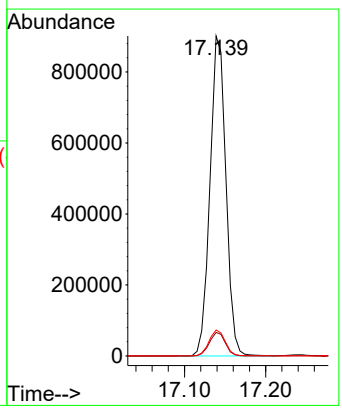


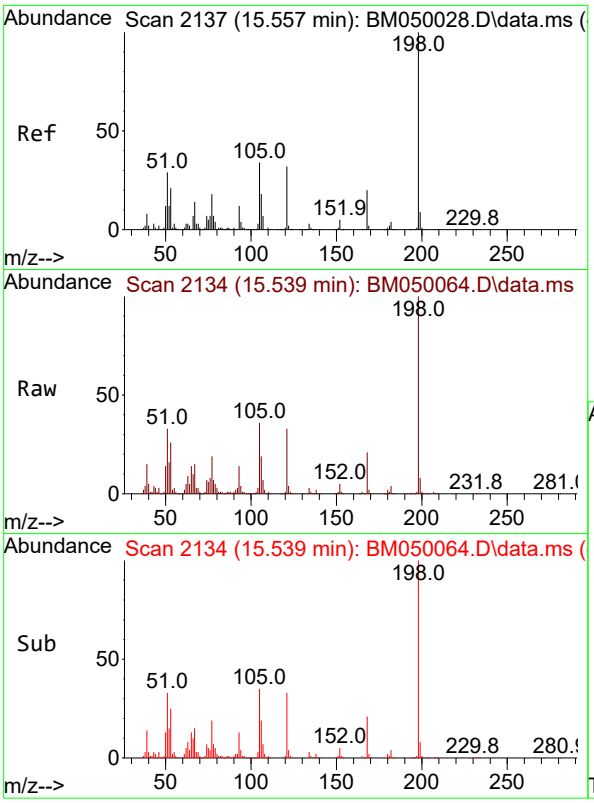


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2406
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:188 Resp: 1227379

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.7	8.5
80	8.1	6.2	9.4



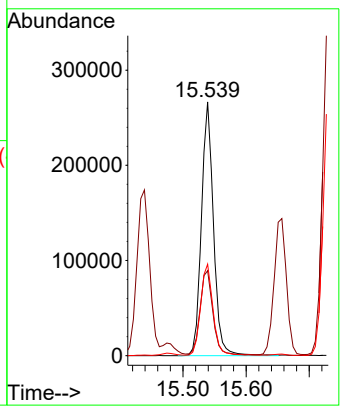


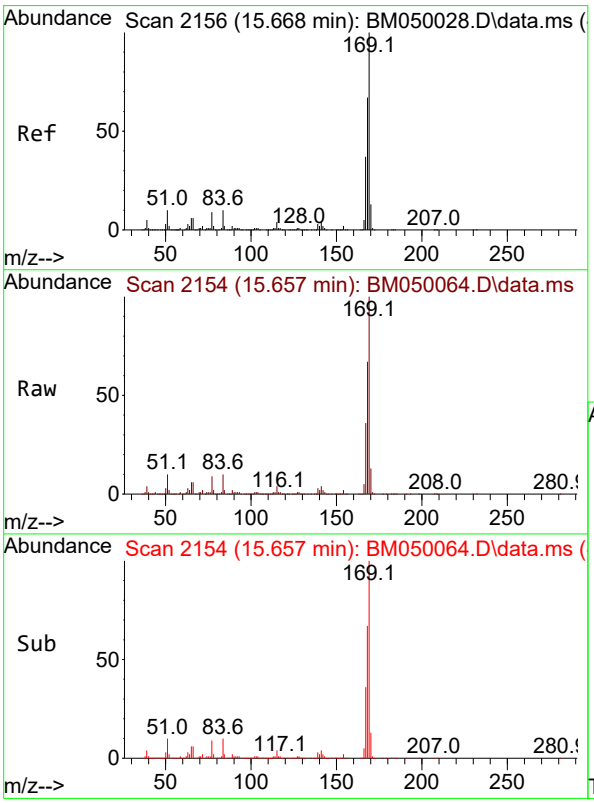
#65
4,6-Dinitro-2-methylphenol
Concen: 46.113 ng
RT: 15.539 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:198 Resp: 354286

Ion	Ratio	Lower	Upper
198	100		
51	33.5	10.4	50.4
105	36.1	14.6	54.6

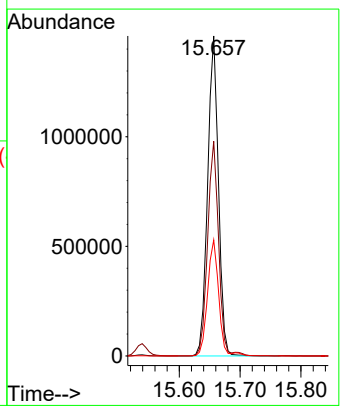


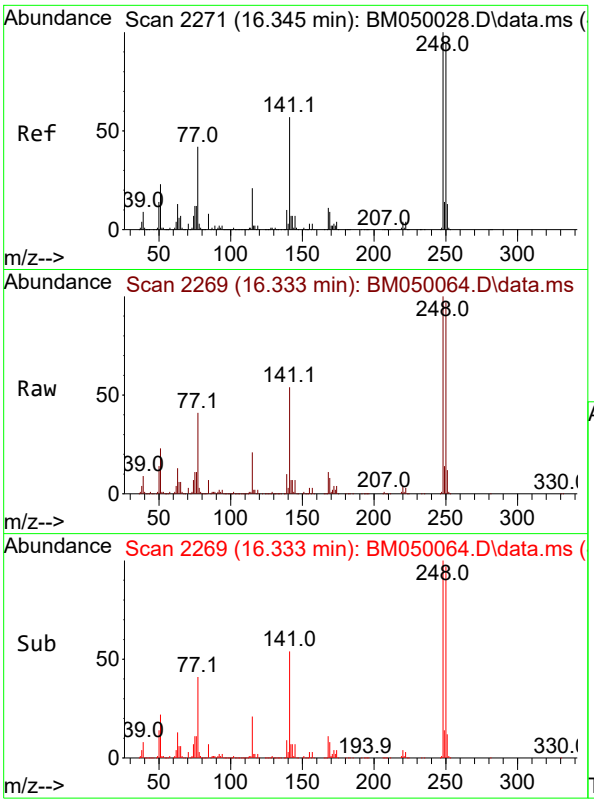


#66
n-Nitrosodiphenylamine
Concen: 47.719 ng
RT: 15.657 min Scan# 2154
Delta R.T. -0.012 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:169 Resp: 1798532

Ion	Ratio	Lower	Upper
169	100		
168	67.1	53.4	80.2
167	36.3	29.4	44.0



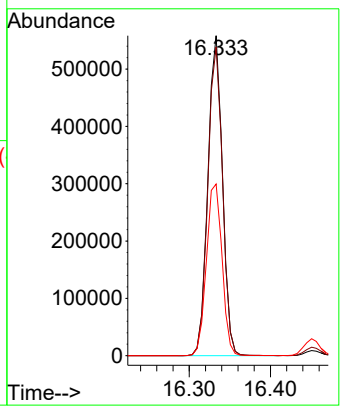


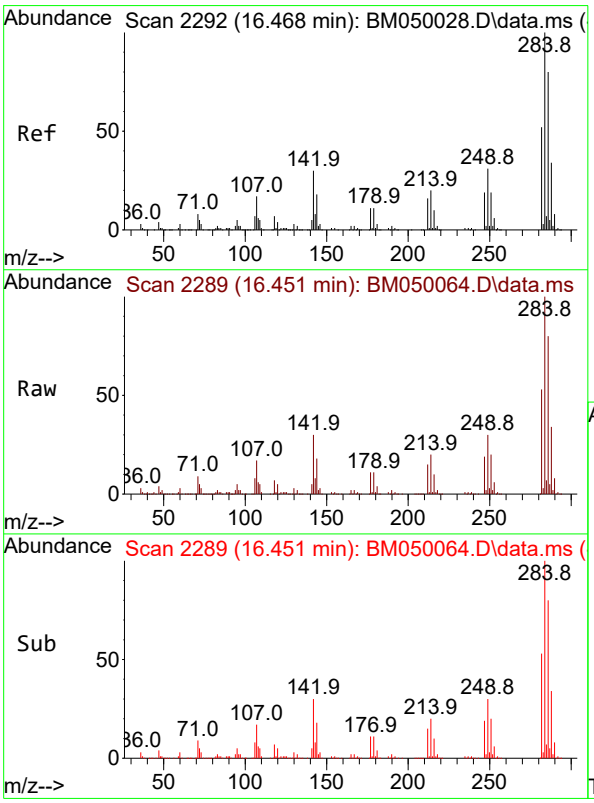
#67
4-Bromophenyl-phenylether
Concen: 46.831 ng
RT: 16.333 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:248 Resp: 695088

Ion	Ratio	Lower	Upper
248	100		
250	96.5	76.2	114.2
141	53.7	45.9	68.9

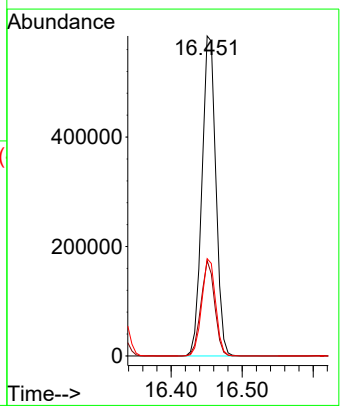


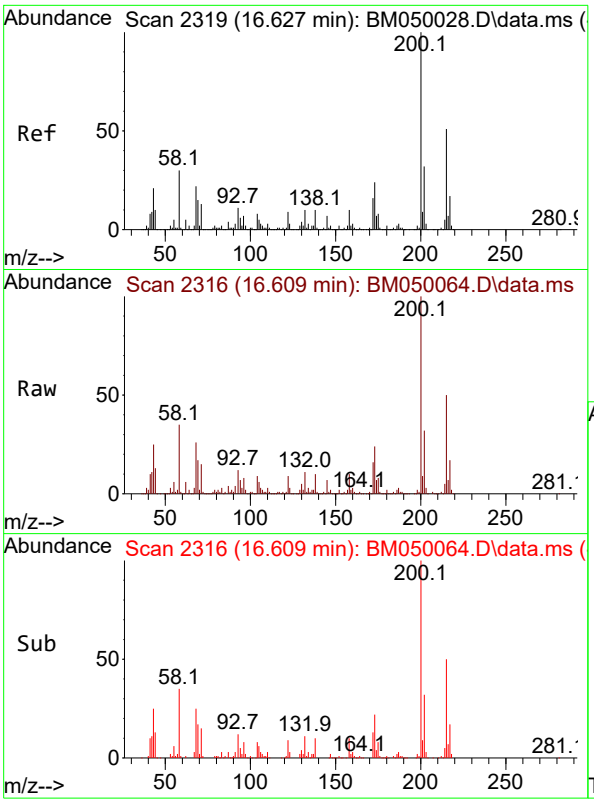


#68
Hexachlorobenzene
Concen: 46.587 ng
RT: 16.451 min Scan# 2289
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:284 Resp: 797047

Ion	Ratio	Lower	Upper
284	100		
142	29.8	23.9	35.9
249	30.4	24.5	36.7



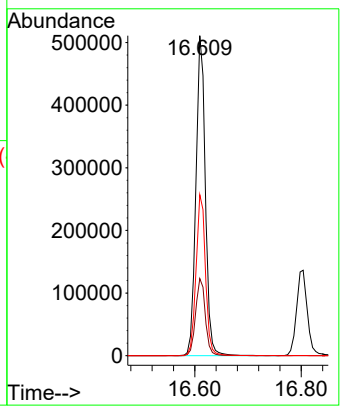


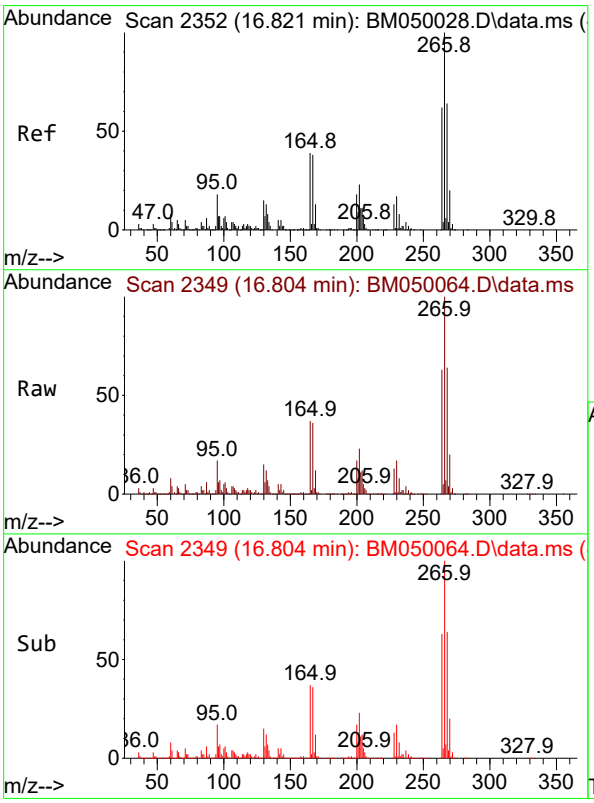
#69
Atrazine
Concen: 46.289 ng
RT: 16.609 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:200 Resp: 629300

Ion	Ratio	Lower	Upper
200	100		
173	24.1	4.3	44.3
215	50.3	30.6	70.6

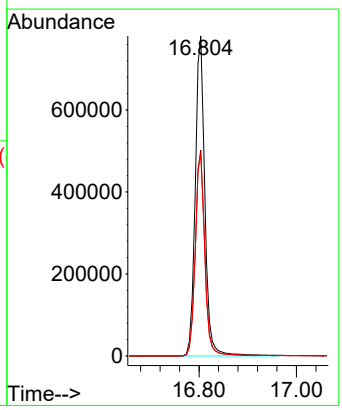


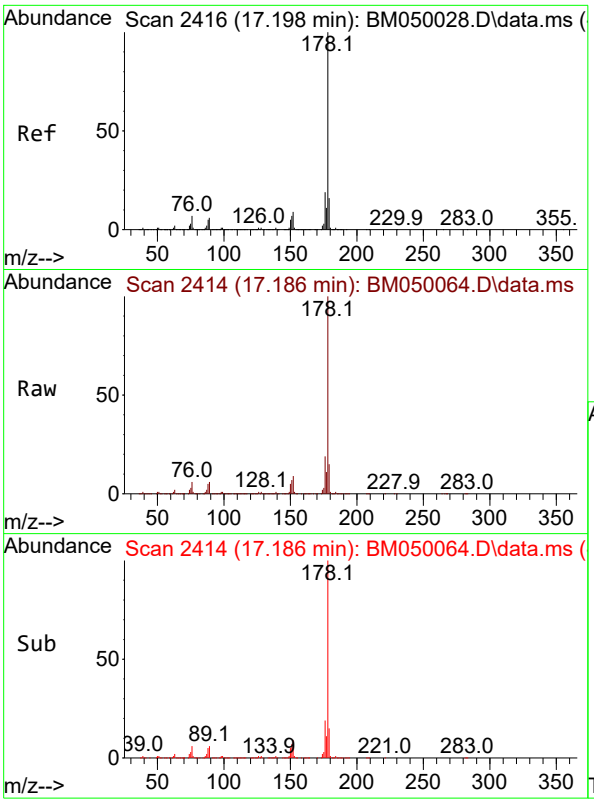


#70
Pentachlorophenol
Concen: 111.818 ng
RT: 16.804 min Scan# 2349
Delta R.T. -0.017 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:266 Resp: 1076855

Ion	Ratio	Lower	Upper
266	100		
268	64.3	51.2	76.8
264	63.2	49.6	74.4



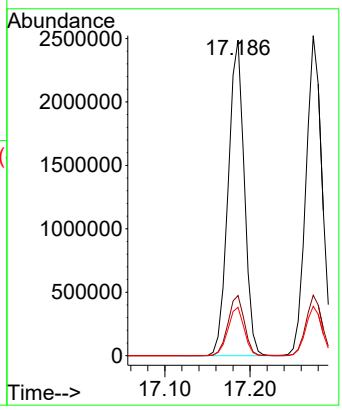


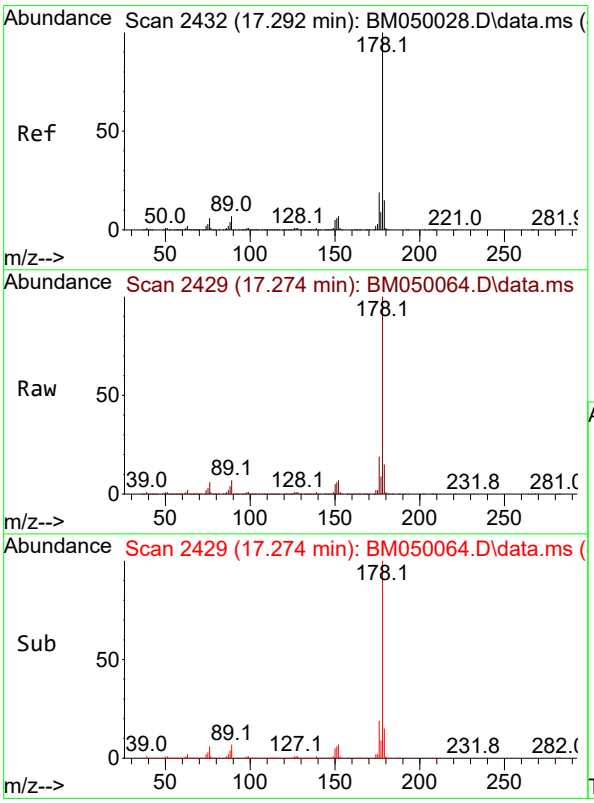
#71
Phenanthrene
Concen: 47.108 ng
RT: 17.186 min Scan# 24
Delta R.T. -0.012 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:178 Resp: 3261083

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.3	12.4	18.6

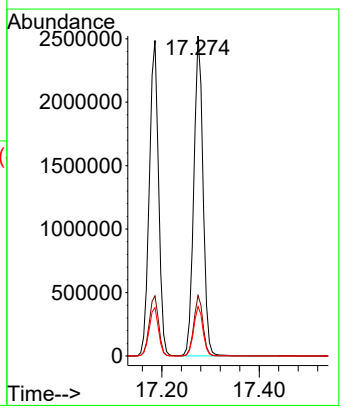


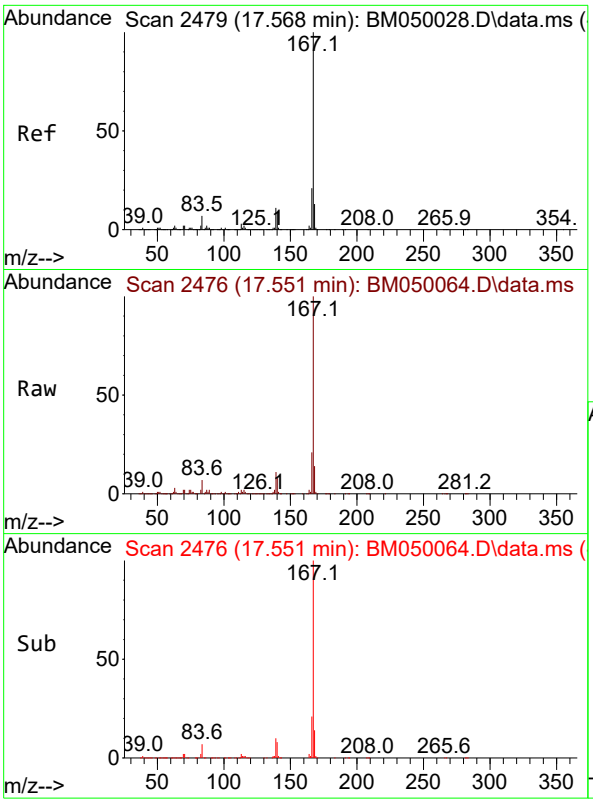


#72
Anthracene
Concen: 47.458 ng
RT: 17.274 min Scan# 2429
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:178 Resp: 3324709

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.5	12.2	18.4



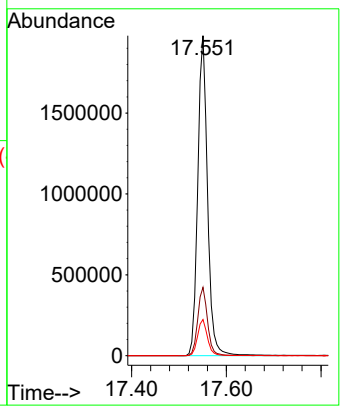


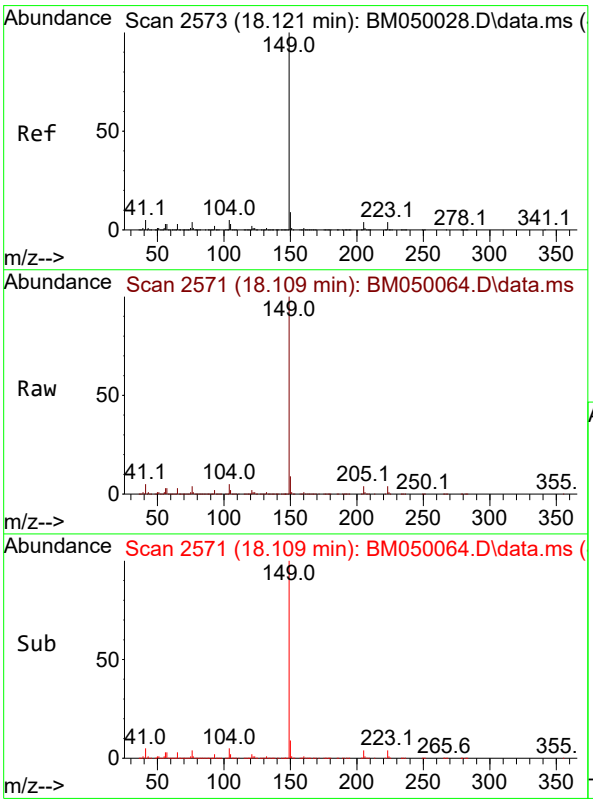
#73
Carbazole
Concen: 46.612 ng
RT: 17.551 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:167 Resp: 2833553

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.2	25.8
139	11.3	9.0	13.6

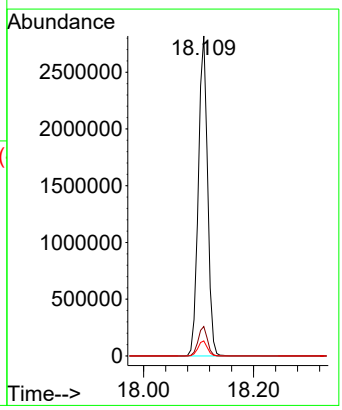


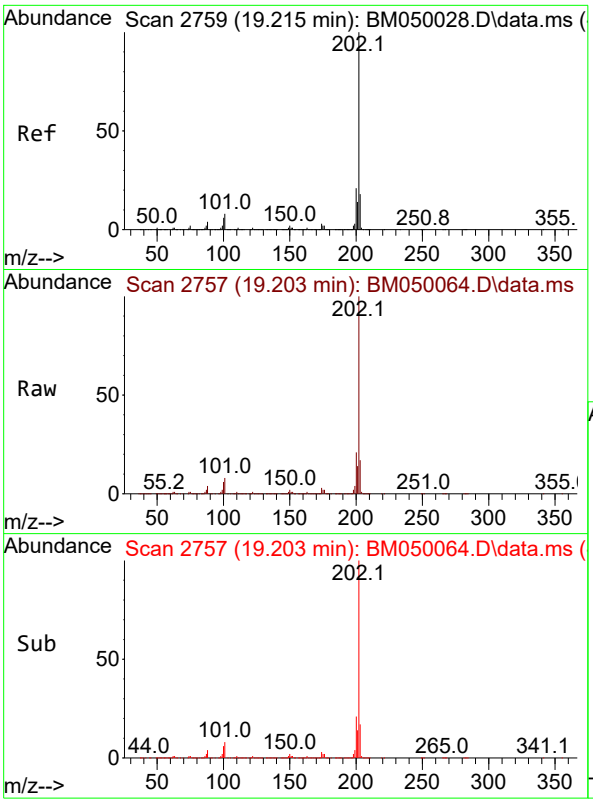


#74
Di-n-butylphthalate
Concen: 45.540 ng
RT: 18.109 min Scan# 2571
Delta R.T. -0.012 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:149 Resp: 3296858

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.7	3.8	5.6



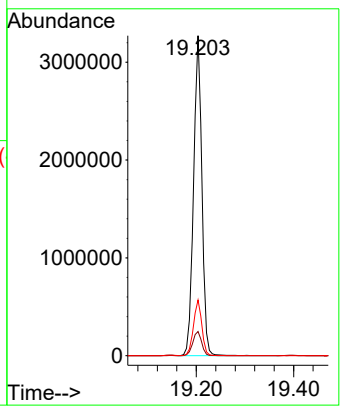


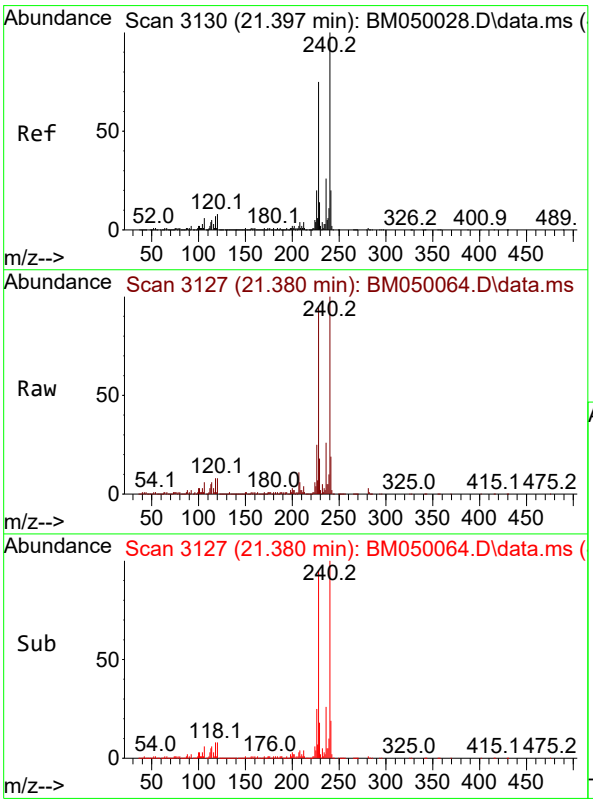
#75
Fluoranthene
Concen: 48.000 ng
RT: 19.203 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:202 Resp: 3901183

Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	28.0
203	17.4	0.0	37.7

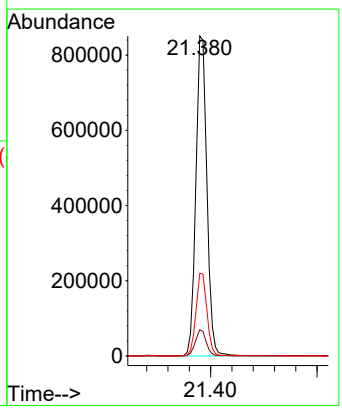


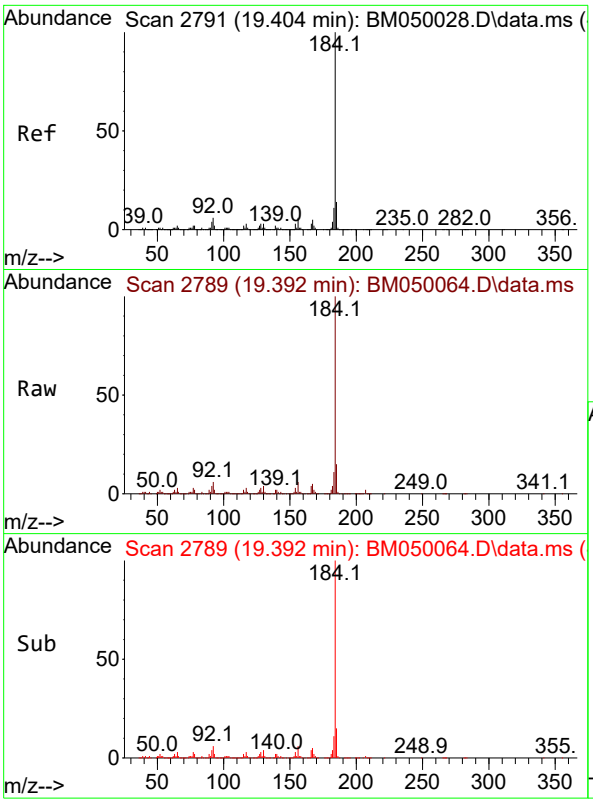


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 3127
Delta R.T. -0.017 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:240 Resp: 1219126

Ion	Ratio	Lower	Upper
240	100		
120	8.2	6.5	9.7
236	25.9	20.9	31.3



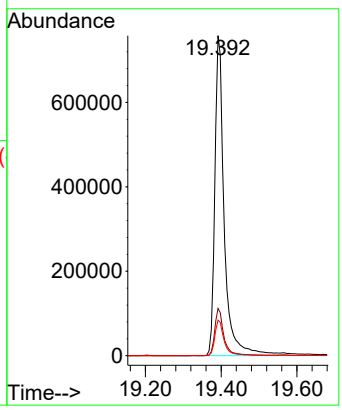


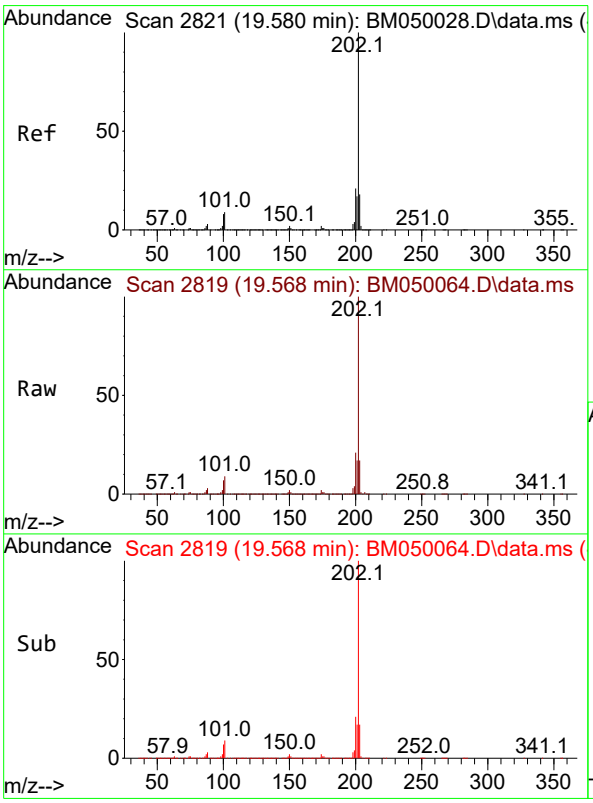
#77
Benzidine
Concen: 30.111 ng
RT: 19.392 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:184 Resp: 1303939

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.5	17.3
183	11.1	8.9	13.3

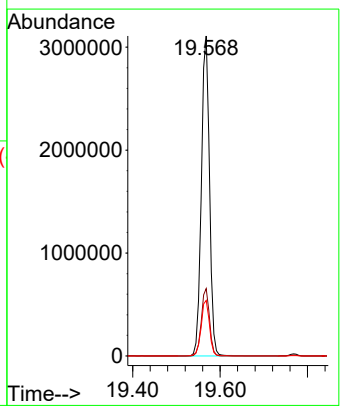


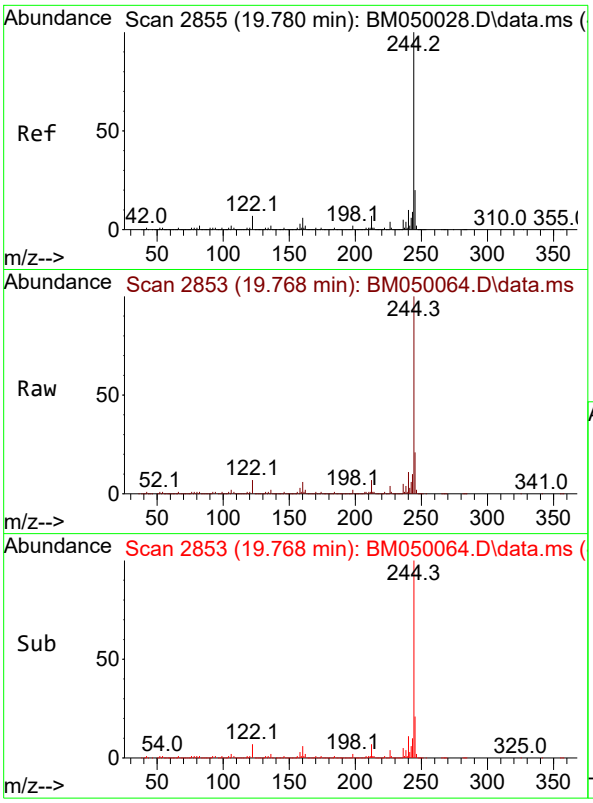


#78
Pyrene
Concen: 47.002 ng
RT: 19.568 min Scan# 2819
Delta R.T. -0.012 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:202 Resp: 4023852

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.4	14.1	21.1



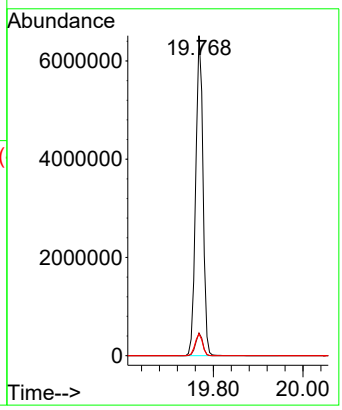


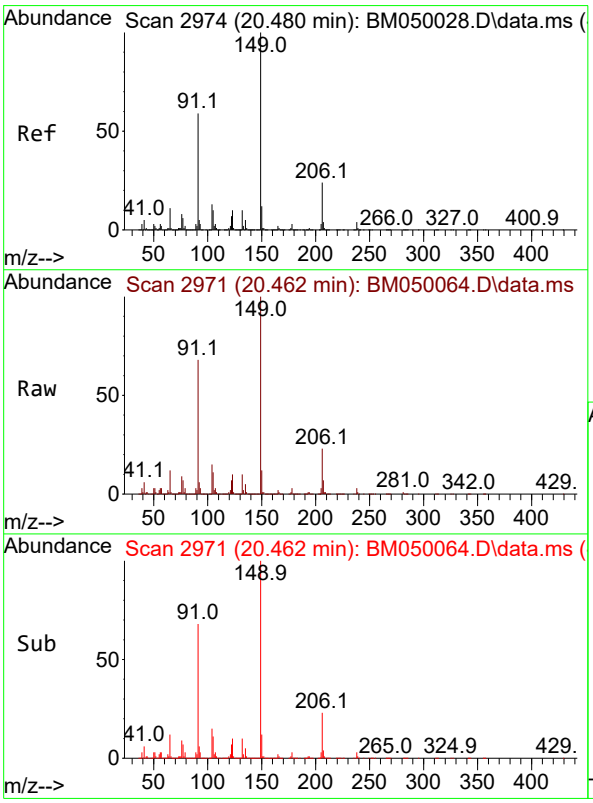
#79
Terphenyl-d14
Concen: 88.790 ng
RT: 19.768 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:244 Resp: 7315200

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	6.8	5.6	8.4

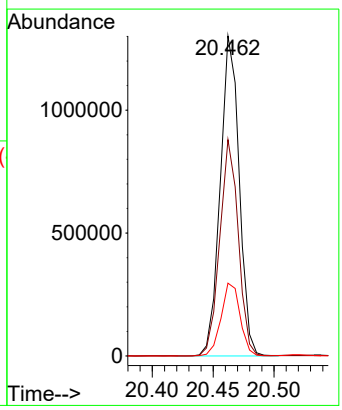


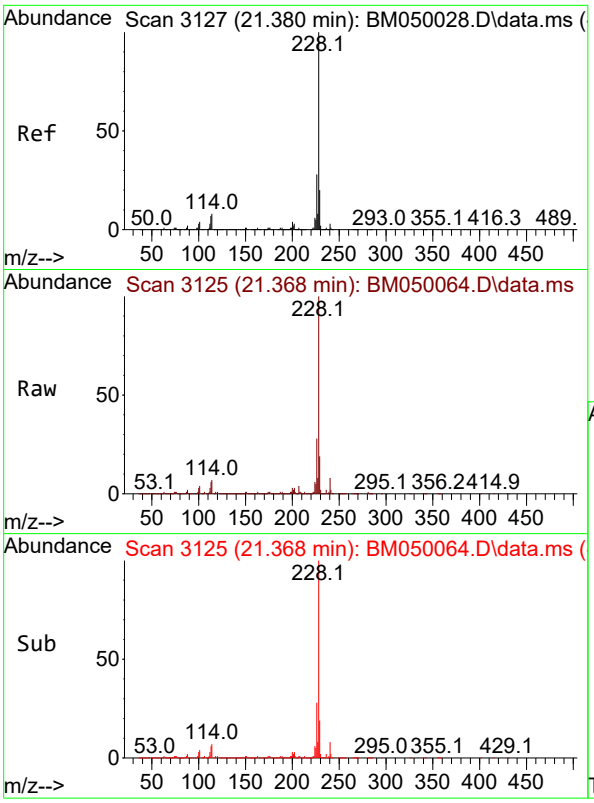


#80
Butylbenzylphthalate
Concen: 43.946 ng
RT: 20.462 min Scan# 2971
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:149 Resp: 1409106

Ion	Ratio	Lower	Upper
149	100		
91	67.6	47.4	71.2
206	22.8	19.4	29.0



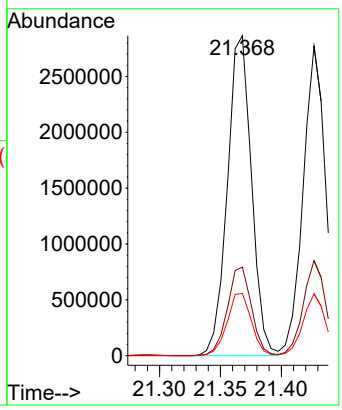


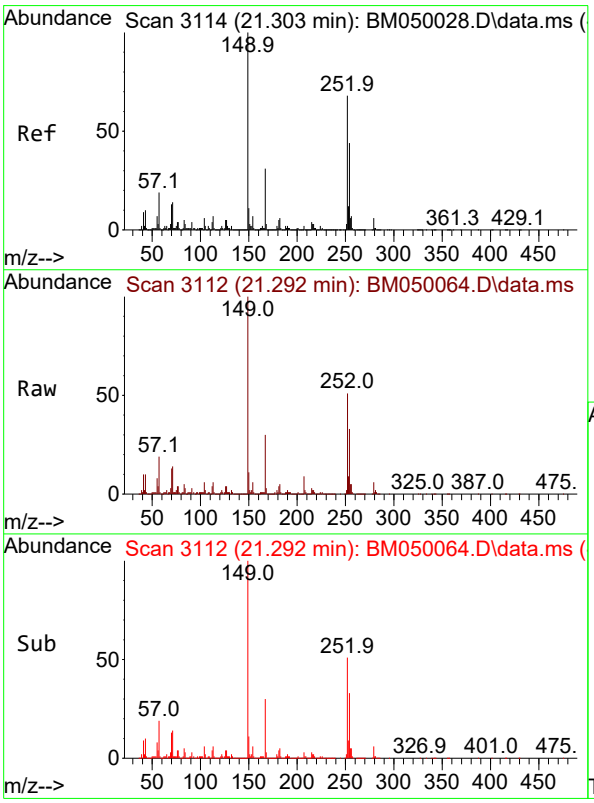
#81
Benzo(a)anthracene
Concen: 47.112 ng
RT: 21.368 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:228 Resp: 3955177

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.1	33.1
229	19.4	15.7	23.5

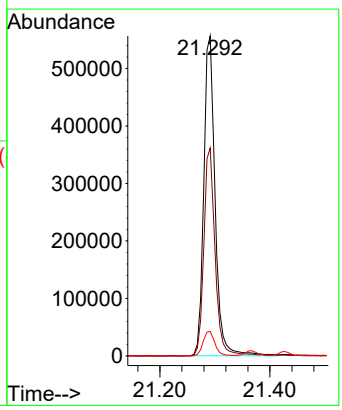


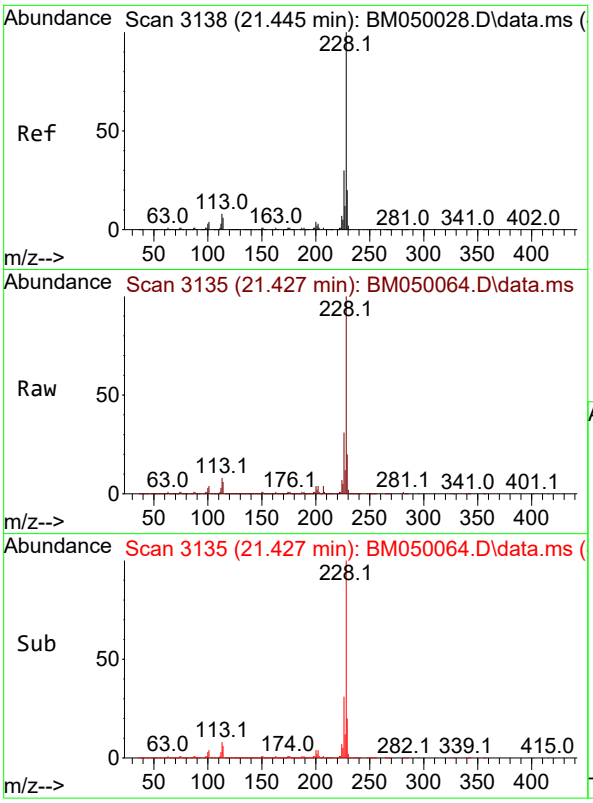


#82
3,3'-Dichlorobenzidine
Concen: 24.784 ng
RT: 21.292 min Scan# 3112
Delta R.T. -0.012 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:252 Resp: 796508

Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.8	77.6
126	7.6	6.0	9.0



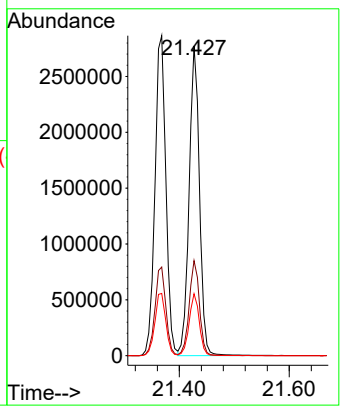


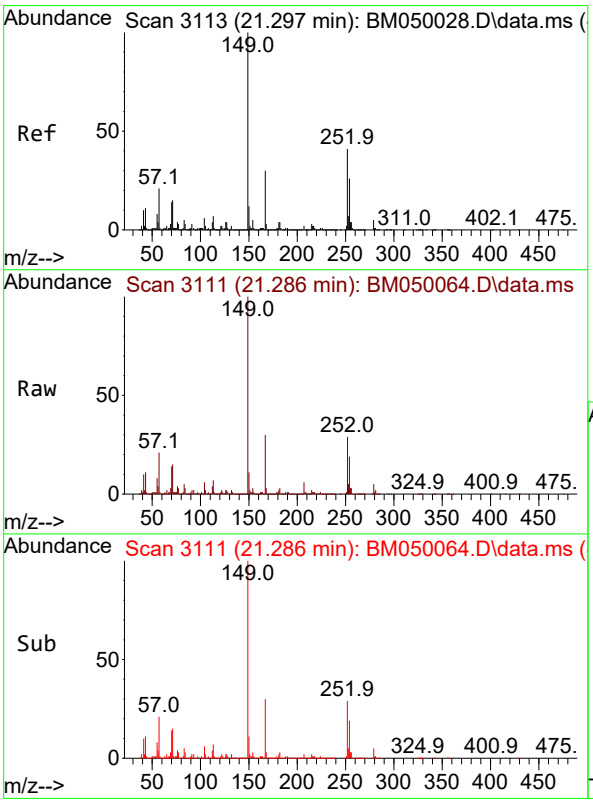
#83
Chrysene
Concen: 46.400 ng
RT: 21.427 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:228 Resp: 3605282

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.2	36.2
229	20.0	15.7	23.5

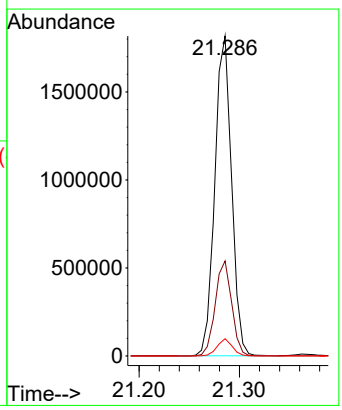


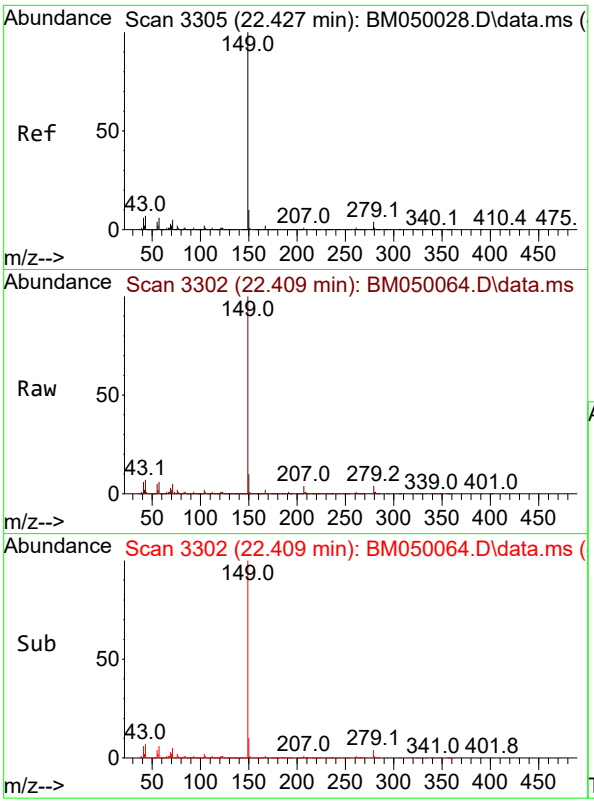


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.844 ng
RT: 21.286 min Scan# 3111
Delta R.T. -0.012 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:149 Resp: 2099844

Ion	Ratio	Lower	Upper
149	100		
167	29.7	24.1	36.1
279	5.4	3.9	5.9



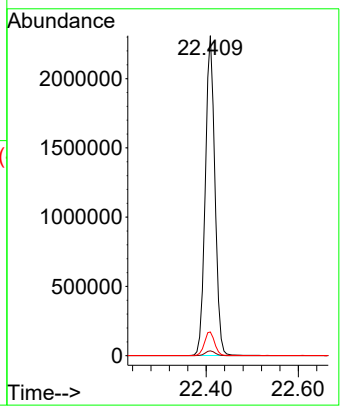


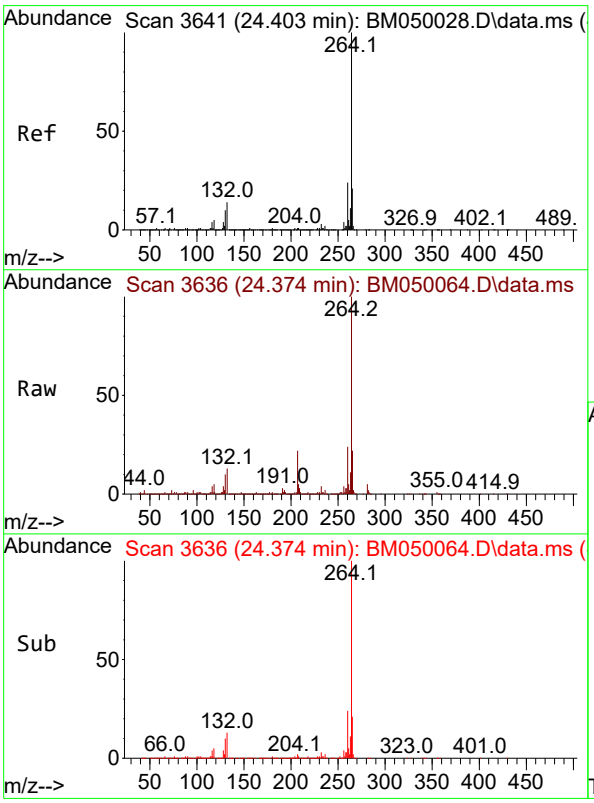
#85
Di-n-octyl phthalate
Concen: 42.556 ng
RT: 22.409 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:149 Resp: 3361210

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	7.8	5.8	8.8

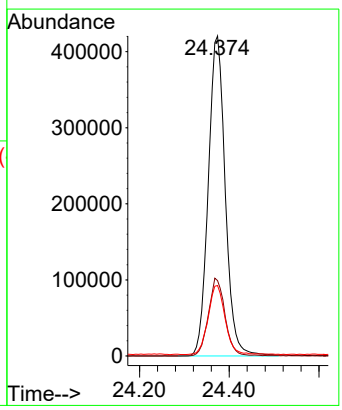


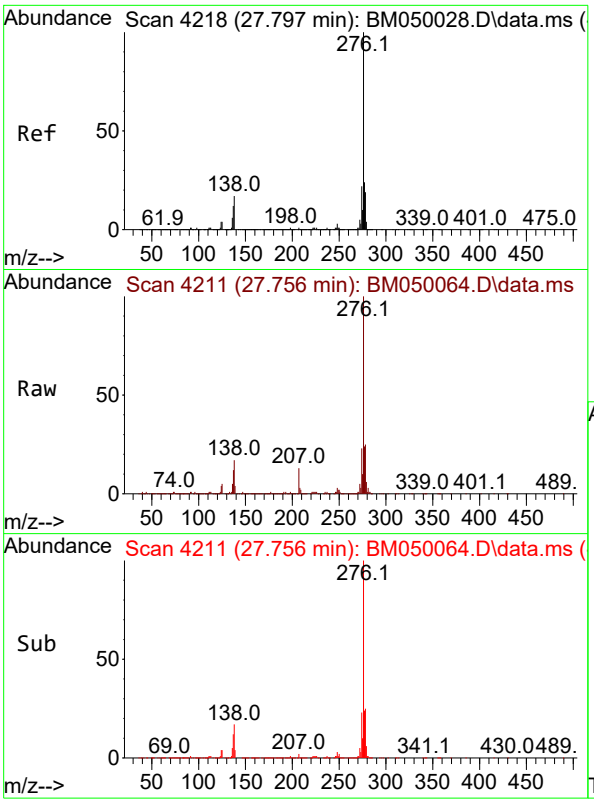


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 3636
Delta R.T. -0.029 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:264 Resp: 1104893

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.8	28.2
265	22.0	17.0	25.4



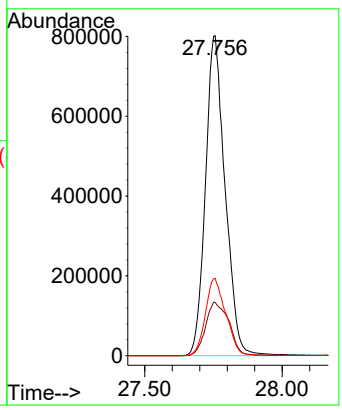


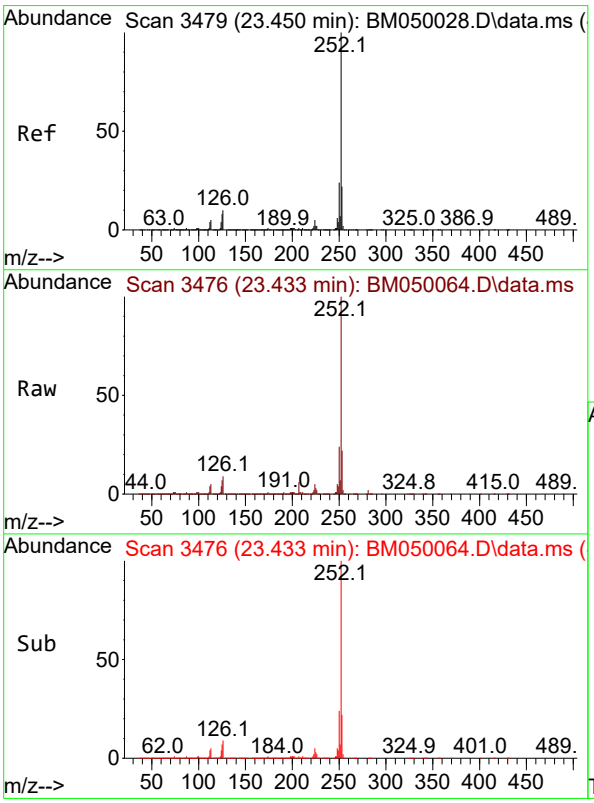
#87
Indeno(1,2,3-cd)pyrene
Concen: 48.344 ng
RT: 27.756 min Scan# 4
Delta R.T. -0.041 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:276 Resp: 3980042

Ion	Ratio	Lower	Upper
276	100		
138	19.9	16.4	24.6
277	25.1	19.8	29.8

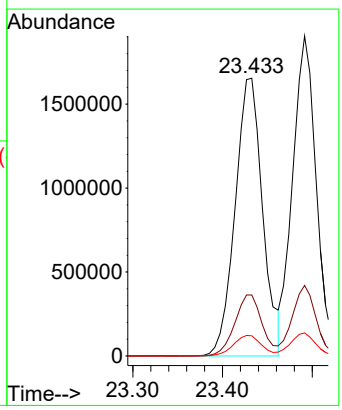


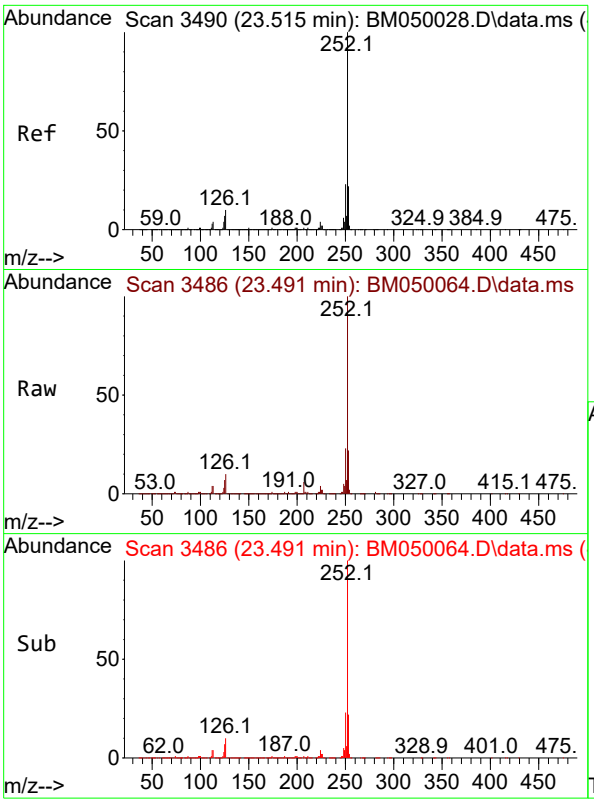


#88
Benzo(b)fluoranthene
Concen: 48.984 ng
RT: 23.433 min Scan# 3476
Delta R.T. -0.018 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:252 Resp: 3519712

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	7.3	6.1	9.1



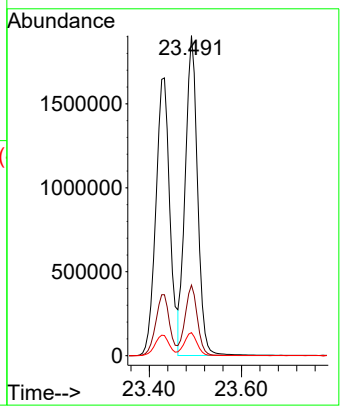


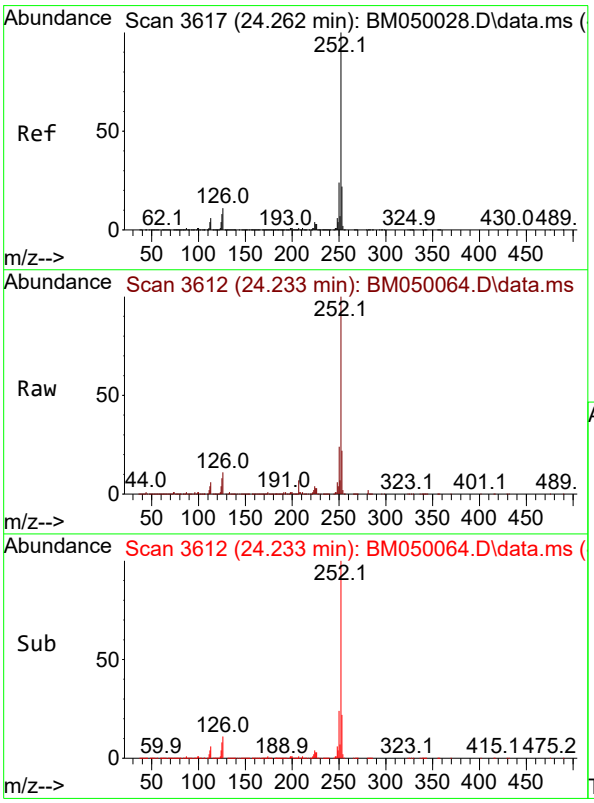
#89
Benzo(k)fluoranthene
Concen: 48.385 ng
RT: 23.491 min Scan# 34
Delta R.T. -0.024 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:252 Resp: 3516759

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	7.2	5.8	8.8

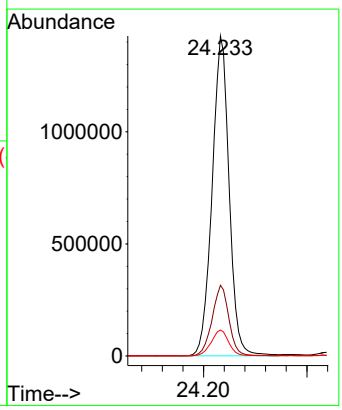


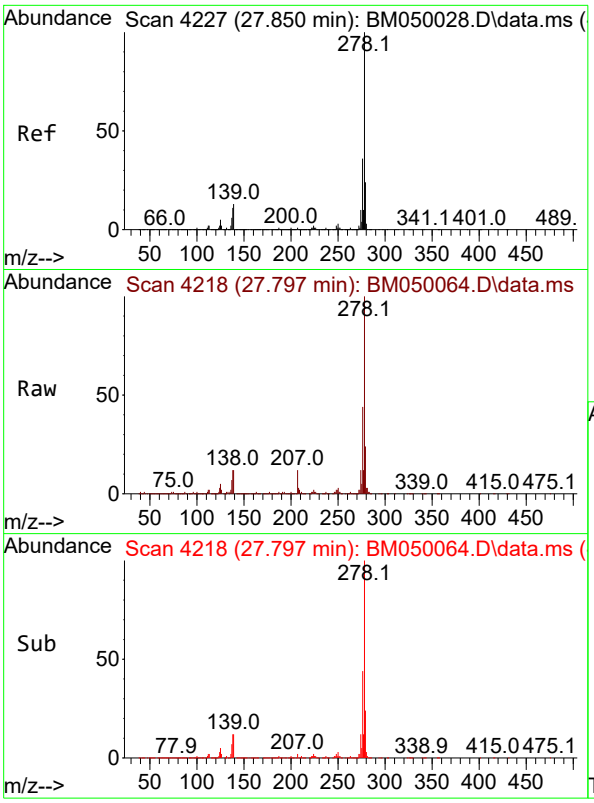


#90
Benzo(a)pyrene
Concen: 48.393 ng
RT: 24.233 min Scan# 3612
Delta R.T. -0.029 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:252 Resp: 3256786

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	8.1	6.6	9.8



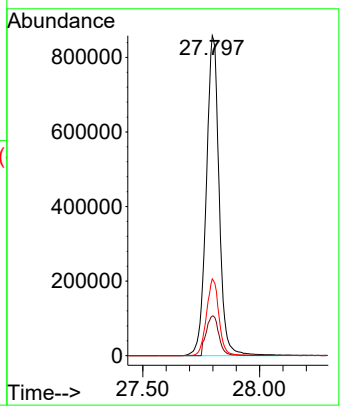


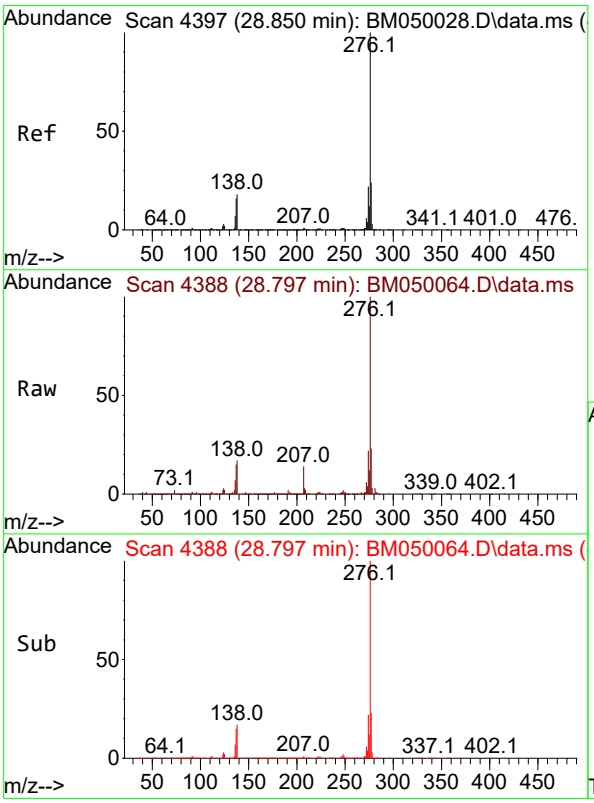
#91
Dibenzo(a,h)anthracene
Concen: 48.827 ng
RT: 27.797 min Scan# 4
Delta R.T. -0.053 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Instrument :
BNA_M
ClientSampleId :
PB167779BS

Tgt Ion:278 Resp: 3276826

Ion	Ratio	Lower	Upper
278	100		
139	12.4	10.5	15.7
279	24.0	19.4	29.0

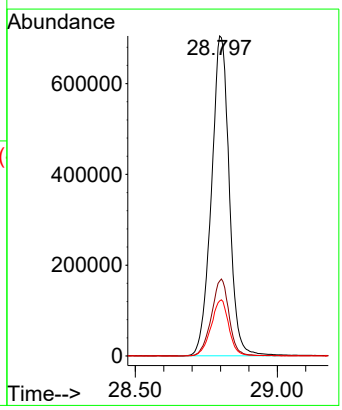




#92
Benzo(g,h,i)perylene
Concen: 47.762 ng
RT: 28.797 min Scan# 4388
Delta R.T. -0.053 min
Lab File: BM050064.D
Acq: 01 May 2025 14:43

Tgt Ion:276 Resp: 3068716

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.1	28.7
138	17.2	14.3	21.5



Raw Data: **BF142252.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:	PB167798BS	SDG No.:	Q1901
Lab Sample ID:	PB167798BS	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
BF142252.D	1	04/30/25 08:35	05/01/25 11:13	PB167798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	25.4		3.90	10.0	ug/L
108-95-2	Phenol	41.2		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	40.9		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	42.6		0.58	5.00	ug/L
95-48-7	2-Methylphenol	41.9		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	41.6		1.30	5.00	ug/L
98-86-2	Acetophenone	40.1		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	41.5		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	40.8		1.40	2.50	ug/L
67-72-1	Hexachloroethane	42.0		0.65	5.00	ug/L
98-95-3	Nitrobenzene	44.5		0.76	5.00	ug/L
78-59-1	Isophorone	41.5		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	41.8		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	42.1		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41.0		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	42.8		0.52	5.00	ug/L
91-20-3	Naphthalene	40.4		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	6.60		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	41.5		0.54	5.00	ug/L
105-60-2	Caprolactam	45.6		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	43.3		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	40.5		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	88.9	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	43.8		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	45.4		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	40.9		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	40.7		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	43.1		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	43.0		0.61	5.00	ug/L

Raw Data: **BF142252.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:	PB167798BS	SDG No.:	Q1901
Lab Sample ID:	PB167798BS	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
BF142252.D	1	04/30/25 08:35	05/01/25 11:13	PB167798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	41.2		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	43.8		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	19.5		1.10	5.00	ug/L
83-32-9	Acenaphthene	43.9		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	84.5	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	100	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	40.8		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	48.4		1.20	5.00	ug/L
84-66-2	Diethylphthalate	43.7		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	40.7		0.68	5.00	ug/L
86-73-7	Fluorene	41.1		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	44.5		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	44.4		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	40.9		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	42.0		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	41.7		0.52	5.00	ug/L
1912-24-9	Atrazine	45.4		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	93.2	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	40.0		0.50	5.00	ug/L
120-12-7	Anthracene	40.9		0.61	5.00	ug/L
86-74-8	Carbazole	41.5		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	45.2		1.20	5.00	ug/L
206-44-0	Fluoranthene	41.9		0.82	5.00	ug/L
129-00-0	Pyrene	42.9		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	45.3		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	11.7		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	41.2		0.45	5.00	ug/L
218-01-9	Chrysene	43.6		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	40.8		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	41.0		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	44.1		0.49	5.00	ug/L

Raw Data: **BF142252.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:	PB167798BS	SDG No.:	Q1901
Lab Sample ID:	PB167798BS	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
BF142252.D	1	04/30/25 08:35	05/01/25 11:13	PB167798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	39.7		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	42.5		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	42.2		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	42.3		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	42.0		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	40.0		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	34.0		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	44.9		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	111		15 (10) - 110 (139)	74%	SPK: 150
13127-88-3	Phenol-d6	113		15 (10) - 110 (134)	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.7		30 (49) - 130 (133)	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	69.2		30 (52) - 130 (132)	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		15 (44) - 110 (137)	87%	SPK: 150
1718-51-0	Terphenyl-d14	73.5		30 (48) - 130 (125)	74%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	226000	6.91			
1146-65-2	Naphthalene-d8	889000	8.192			
15067-26-2	Acenaphthene-d10	464000	9.945			
1517-22-2	Phenanthrene-d10	801000	11.433			
1719-03-5	Chrysene-d12	447000	14.074			
1520-96-3	Perylene-d12	449000	15.563			

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: **BF142252.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142252.D
Acq On : 01 May 2025 11:13
Operator : RC/JU
Sample : PB167798BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 12:23:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB167798BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	225762	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	889454	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	464234	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	800889	20.000	ng	0.00
76) Chrysene-d12	14.074	240	447227	20.000	ng	0.00
86) Perylene-d12	15.563	264	448663	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	1573800	111.332	ng	0.02
7) Phenol-d6	6.528	99	1923984	112.709	ng	0.00
23) Nitrobenzene-d5	7.469	82	1064921	78.658	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	553053	130.679	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	2279117	69.221	ng	0.00
79) Terphenyl-d14	13.022	244	2260338	73.507	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.799	88	214857	34.032	ng	99
3) Pyridine	3.546	79	612102	37.305	ng	99
4) n-Nitrosodimethylamine	3.499	42	354189	41.713	ng	99
6) Aniline	6.569	93	595232	24.635	ng	99
8) 2-Chlorophenol	6.693	128	621899	42.575	ng	100
9) Benzaldehyde	6.457	77	303059	25.401	ng	99
10) Phenol	6.546	94	757157m	41.200	ng	
11) bis(2-Chloroethyl)ether	6.646	93	582688	40.916	ng	100
12) 1,3-Dichlorobenzene	6.851	146	670657	40.585	ng	100
13) 1,4-Dichlorobenzene	6.928	146	672151	40.372	ng	99
14) 1,2-Dichlorobenzene	7.081	146	647246	40.722	ng	100
15) Benzyl Alcohol	7.045	79	513138	42.384	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.181	45	1068891	41.566	ng	99
17) 2-Methylphenol	7.151	107	501113	41.877	ng	98
18) Hexachloroethane	7.422	117	228628	41.957	ng	96
19) n-Nitroso-di-n-propyla...	7.322	70	430394	40.801	ng	99
20) 3+4-Methylphenols	7.304	107	621160	41.509	ng	94
22) Acetophenone	7.316	105	826074	40.145	ng	100
24) Nitrobenzene	7.493	77	591218	44.506	ng	100
25) Isophorone	7.728	82	1178770	41.486	ng	100
26) 2-Nitrophenol	7.804	139	225734	41.847	ng	99
27) 2,4-Dimethylphenol	7.840	122	602922	42.086	ng	99
28) bis(2-Chloroethoxy)met...	7.940	93	734626	40.995	ng	99
29) 2,4-Dichlorophenol	8.040	162	512350	42.777	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	547350	40.953	ng	100
31) Naphthalene	8.216	128	1792007	40.399	ng	100
32) Benzoic acid	7.945	122	282191m	42.883	ng	
33) 4-Chloroaniline	8.251	127	121514	6.579	ng	99
34) Hexachlorobutadiene	8.328	225	323243	41.453	ng	99
35) Caprolactam	8.622	113	164045m	45.568	ng	
36) 4-Chloro-3-methylphenol	8.734	107	532722	43.315	ng	98
37) 2-Methylnaphthalene	8.904	142	1105725	40.544	ng	99
38) 1-Methylnaphthalene	9.004	142	1159466	41.039	ng	99
40) 1,2,4,5-Tetrachloroben...	9.069	216	523019	40.032	ng	99
41) Hexachlorocyclopentadiene	9.057	237	659241	88.906	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	354948	43.843	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142252.D
Acq On : 01 May 2025 11:13
Operator : RC/JU
Sample : PB167798BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 12:23:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB167798BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	386474	45.404	ng		98
46) 1,1'-Biphenyl	9.369	154	1475397	40.881	ng		100
47) 2-Chloronaphthalene	9.392	162	1092692	40.695	ng		99
48) 2-Nitroaniline	9.487	65	301543	43.124	ng		99
49) Acenaphthylene	9.810	152	1868315	41.234	ng		100
50) Dimethylphthalate	9.669	163	1278203	43.038	ng		100
51) 2,6-Dinitrotoluene	9.728	165	247512	43.832	ng		98
52) Acenaphthene	9.981	154	1161277	43.895	ng		100
53) 3-Nitroaniline	9.892	138	120832	19.467	ng		97
54) 2,4-Dinitrophenol	9.998	184	173600	84.535	ng	#	23
55) Dibenzofuran	10.157	168	1619144	40.827	ng		100
56) 4-Nitrophenol	10.045	139	471700	101.045	ng		98
57) 2,4-Dinitrotoluene	10.134	165	334335	48.433	ng		99
58) Fluorene	10.498	166	1240639	41.143	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.269	232	316821	44.934	ng		99
60) Diethylphthalate	10.369	149	1280368	43.657	ng		99
61) 4-Chlorophenyl-phenyle...	10.486	204	583485	40.745	ng		99
62) 4-Nitroaniline	10.510	138	278877	44.489	ng		99
63) Azobenzene	10.651	77	1225283	42.308	ng		100
65) 4,6-Dinitro-2-methylph...	10.539	198	114521	44.424	ng		95
66) n-Nitrosodiphenylamine	10.610	169	1120137	40.934	ng		100
67) 4-Bromophenyl-phenylether	10.981	248	374442	41.981	ng		99
68) Hexachlorobenzene	11.045	284	416999	41.744	ng		99
69) Atrazine	11.133	200	327822	45.449	ng		98
70) Pentachlorophenol	11.233	266	491588	93.152	ng		98
71) Phenanthrene	11.463	178	1729683	39.983	ng		99
72) Anthracene	11.510	178	1809920	40.920	ng		100
73) Carbazole	11.663	167	1673738	41.482	ng		100
74) Di-n-butylphthalate	11.998	149	1832830	45.166	ng		100
75) Fluoranthene	12.645	202	1790811	41.876	ng		99
77) Benzidine	12.769	184	427420	22.492	ng		98
78) Pyrene	12.875	202	1769704	42.897	ng		99
80) Butylbenzylphthalate	13.498	149	508489	45.305	ng		98
81) Benzo(a)anthracene	14.063	228	1236291	41.178	ng		100
82) 3,3'-Dichlorobenzidine	14.027	252	102802	11.657	ng		99
83) Chrysene	14.104	228	1191462	43.597	ng		100
84) Bis(2-ethylhexyl)phtha...	14.057	149	629446	40.842	ng		100
85) Di-n-octyl phthalate	14.674	149	1146731	41.045	ng		100
87) Indeno(1,2,3-cd)pyrene	17.080	276	1385292	42.153	ng		100
88) Benzo(b)fluoranthene	15.127	252	1230162	44.141	ng		99
89) Benzo(k)fluoranthene	15.157	252	1011794	39.692	ng		99
90) Benzo(a)pyrene	15.504	252	1085464	42.542	ng		100
91) Dibenzo(a,h)anthracene	17.098	278	1127475	42.272	ng		100
92) Benzo(g,h,i)perylene	17.539	276	1126050	41.996	ng		99

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

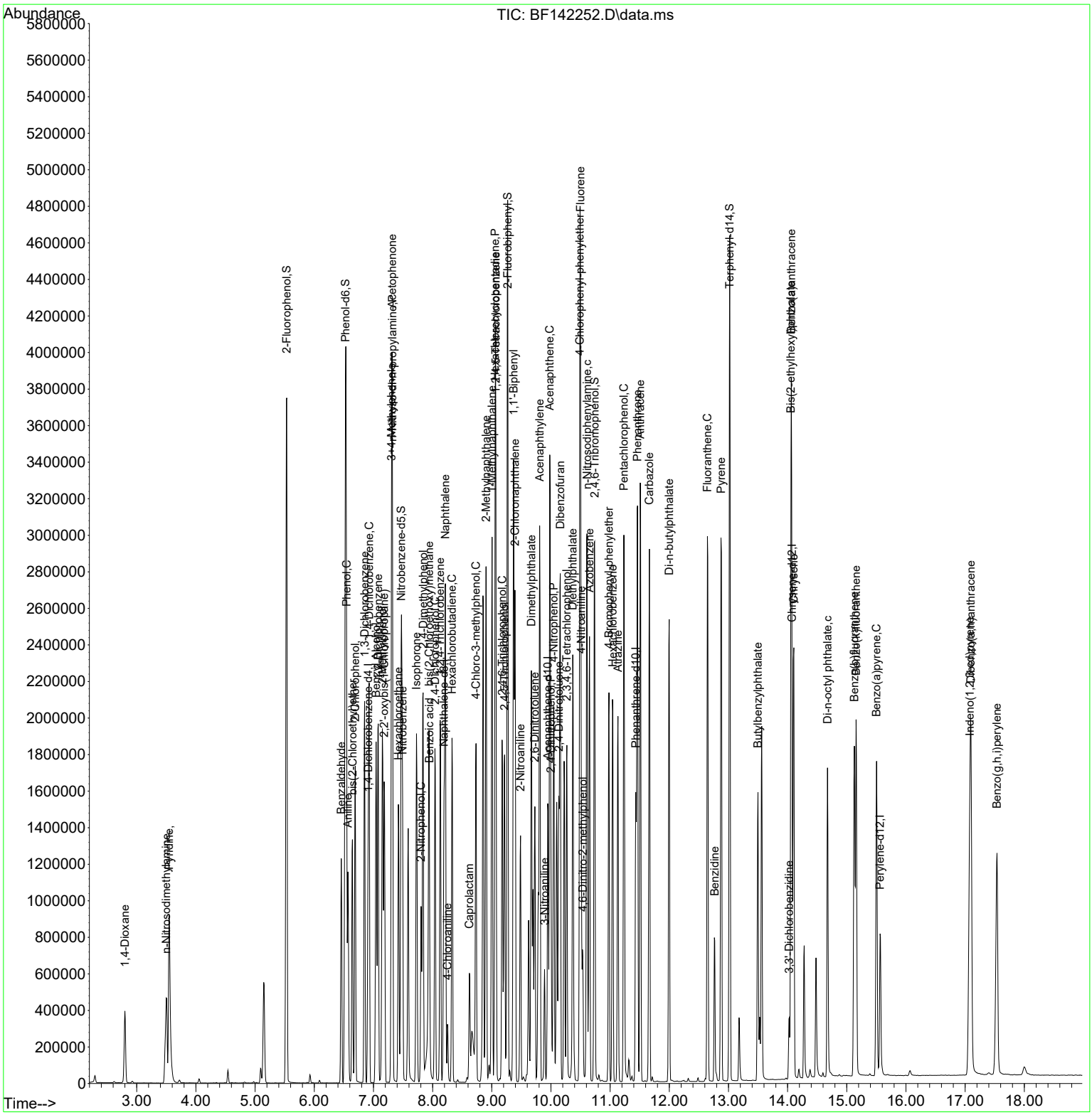
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142252.D
Acq On : 01 May 2025 11:13
Operator : RC/JU
Sample : PB167798BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

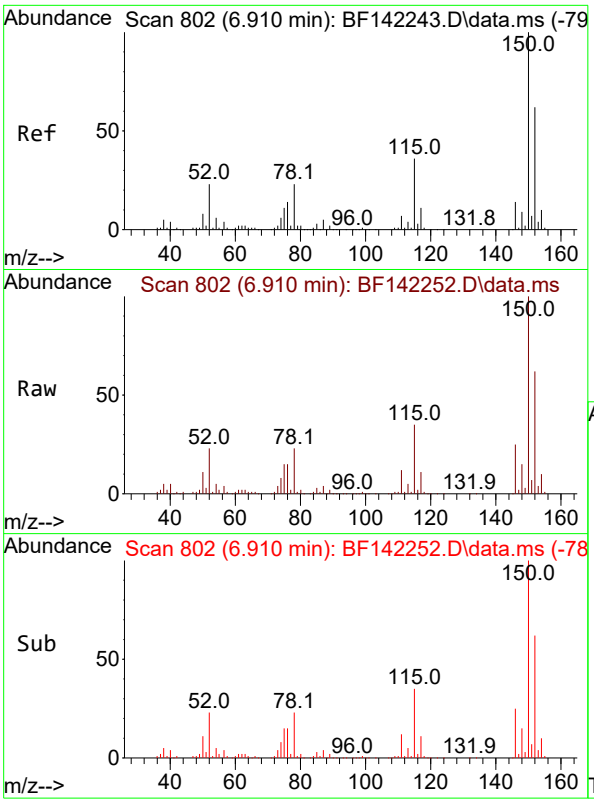
Quant Time: May 01 12:23:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB167798BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

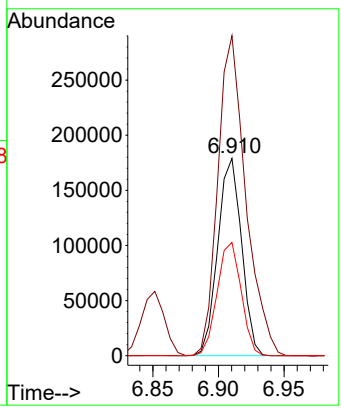




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:152 Resp: 22576

Ion	Ratio	Lower	Upper
152	100		
150	162.2	130.2	195.2
115	57.4	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
PB167798BS

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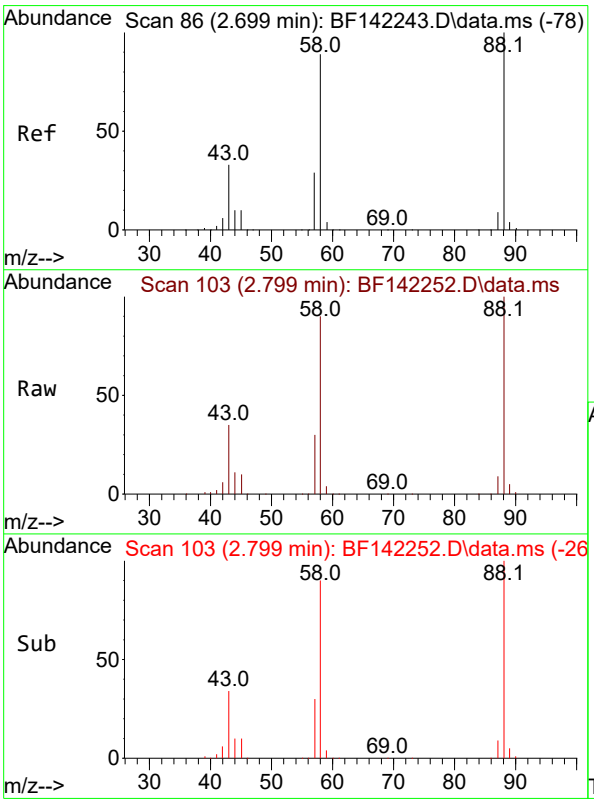
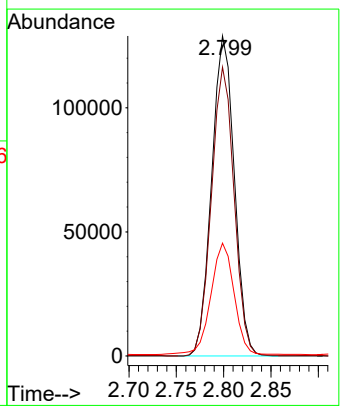
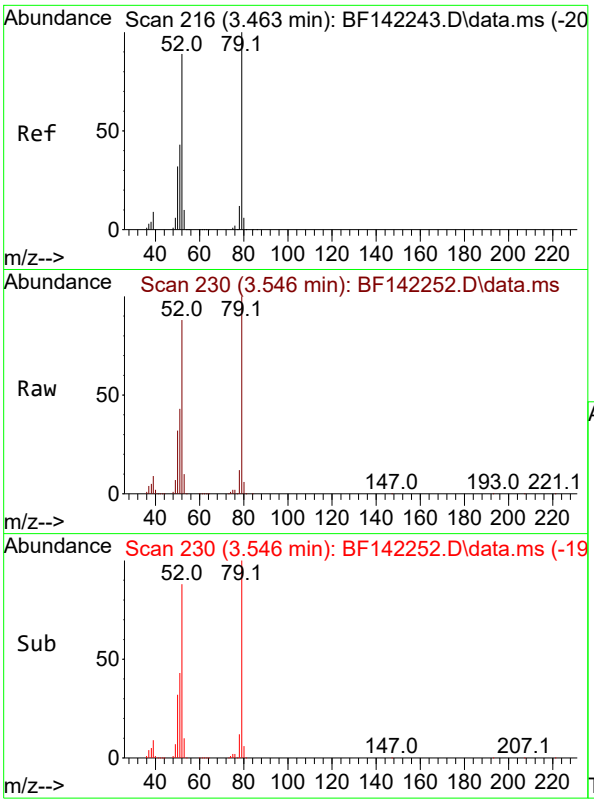


#2
1,4-Dioxane
Concen: 34.032 ng
RT: 2.799 min Scan# 103
Delta R.T. 0.100 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion: 88 Resp: 214857

Ion	Ratio	Lower	Upper
88	100		
58	90.3	72.2	108.2
43	35.8	27.0	40.6





#3
Pyridine
Concen: 37.305 ng
RT: 3.546 min Scan# 2
Delta R.T. 0.082 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion: 79 Resp: 61210

Ion	Ratio	Lower	Upper
79	100		
52	87.8	71.5	107.3
51	42.9	34.5	51.7

Instrument :
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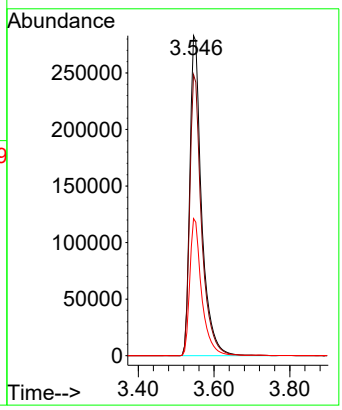
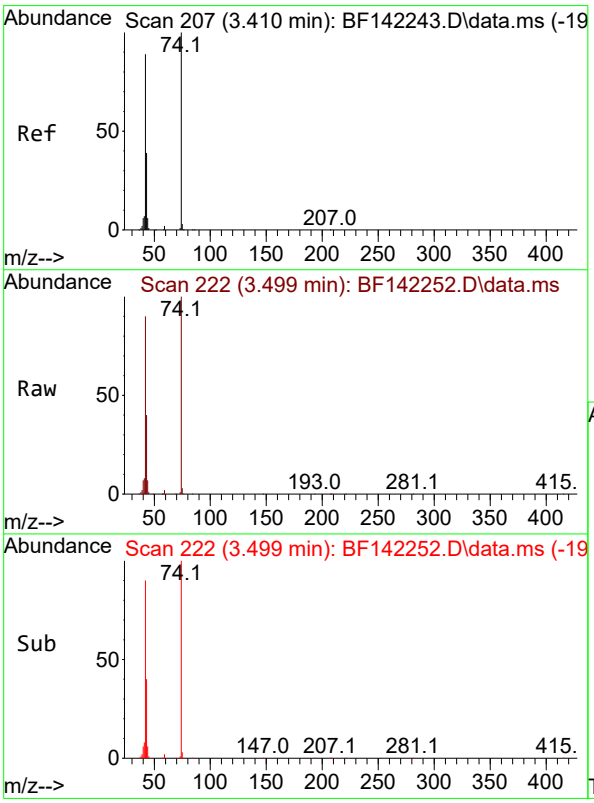
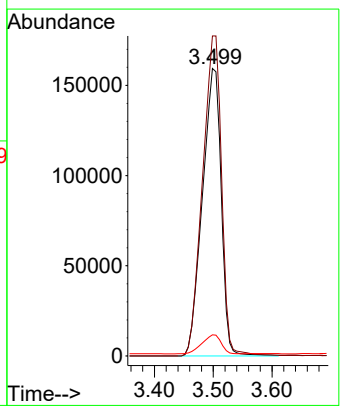


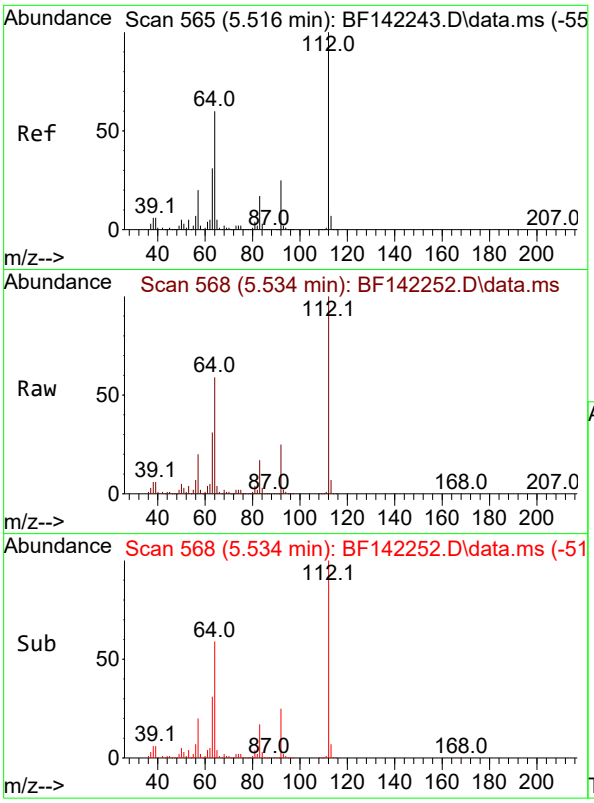


#4
n-Nitrosodimethylamine
Concen: 41.713 ng
RT: 3.499 min Scan# 222
Delta R.T. 0.088 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion: 42 Resp: 354189

Ion	Ratio	Lower	Upper
42	100		
74	111.3	89.5	134.3
44	7.4	6.6	9.8





#5
2-Fluorophenol
Concen: 111.332 ng
RT: 5.534 min Scan# 5
Delta R.T. 0.018 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:112 Resp: 157380

Ion	Ratio	Lower	Upper
112	100		
64	59.2	48.4	72.6
63	30.5	24.8	37.2

Instrument :
BNA_F
ClientSampleId :
PB167798BS

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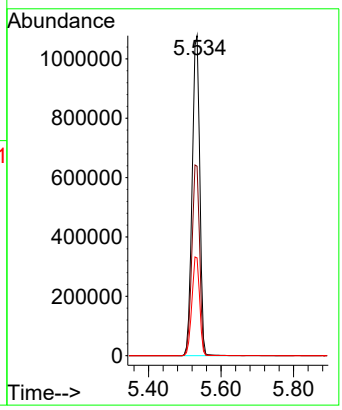
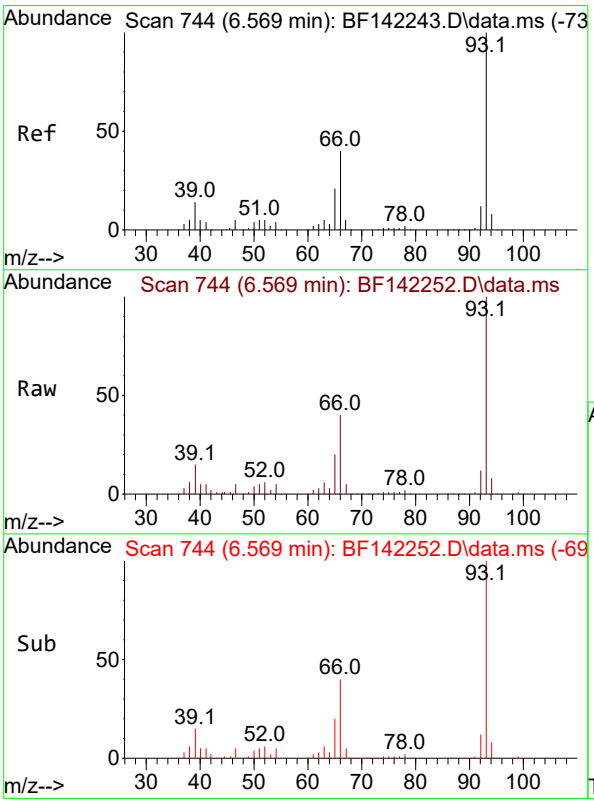
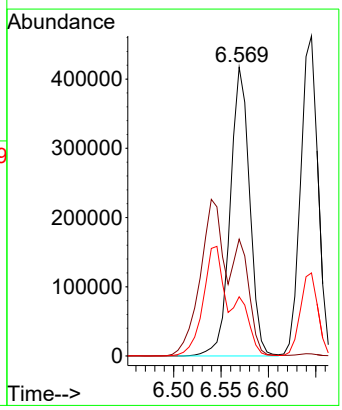


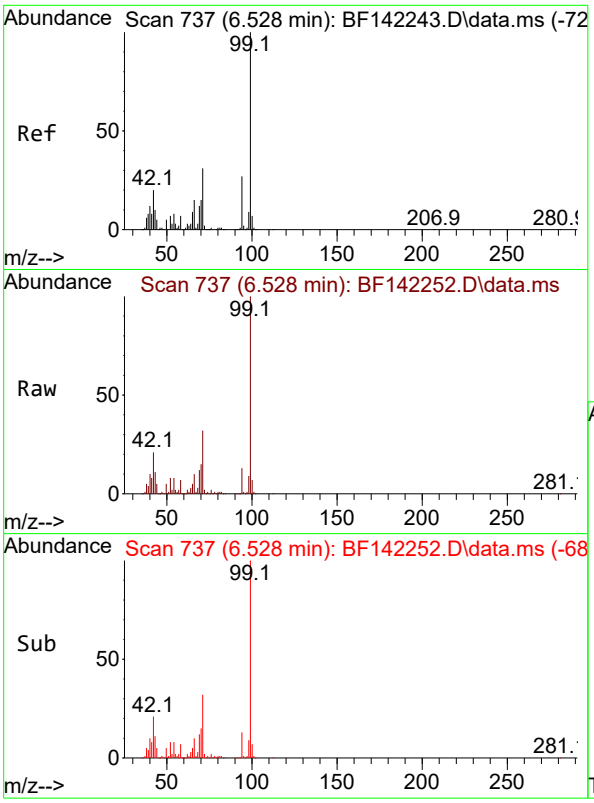


#6
Aniline
Concen: 24.635 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion: 93 Resp: 595232

Ion	Ratio	Lower	Upper
93	100		
66	40.4	32.1	48.1
65	20.5	16.6	24.8





#7
Phenol-d6
Concen: 112.709 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion: 99 Resp: 192398

Ion	Ratio	Lower	Upper
99	100		
42	21.0	16.3	24.5
71	32.3	25.0	37.4

Instrument :
BNA_F
ClientSampleId :
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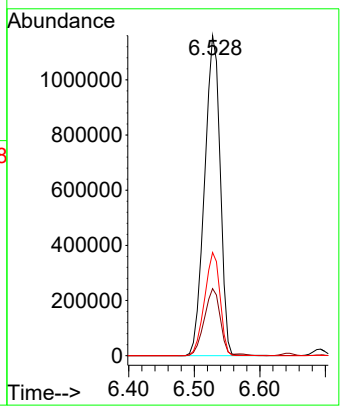
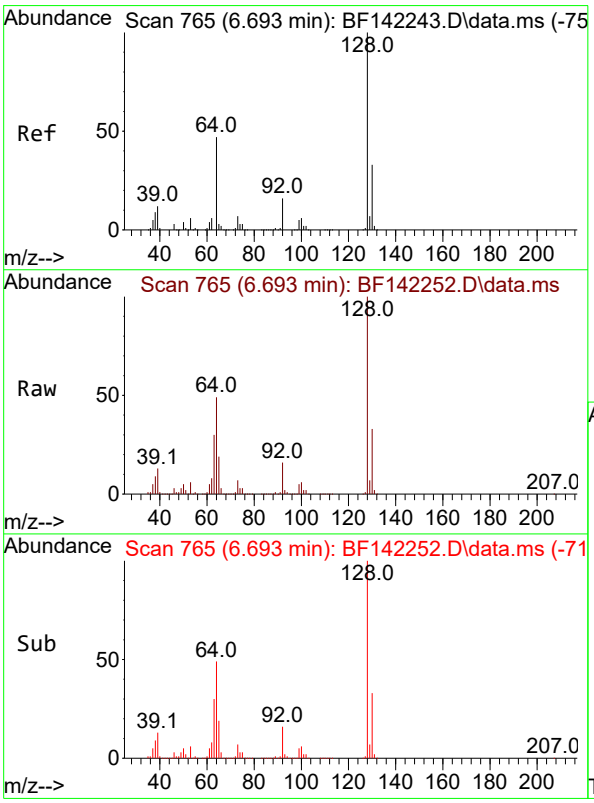
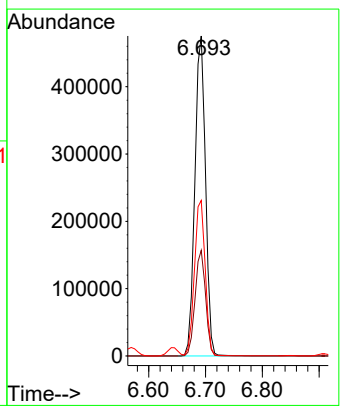


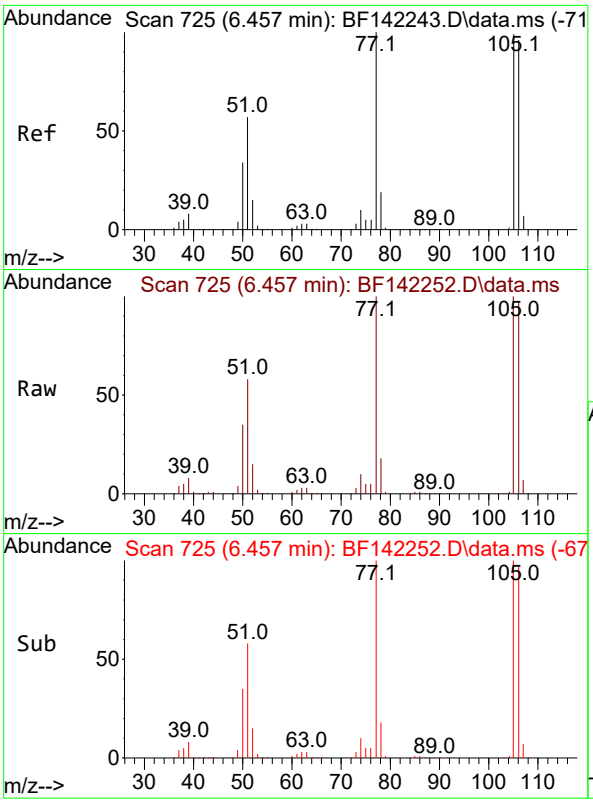


#8
2-Chlorophenol
Concen: 42.575 ng
RT: 6.693 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:128 Resp: 621899

Ion	Ratio	Lower	Upper
128	100		
130	33.0	13.1	53.1
64	48.6	28.6	68.6

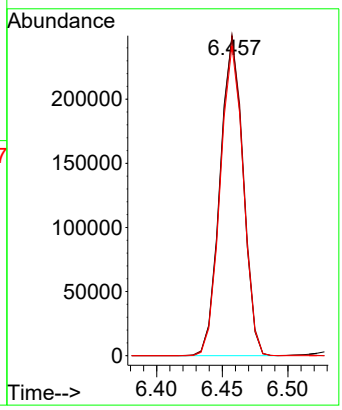




#9
Benzaldehyde
Concen: 25.401 ng
RT: 6.457 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion: 77 Resp: 30305

Ion	Ratio	Lower	Upper
77	100		
105	100.1	79.1	119.1
106	96.9	76.0	116.0



Instrument :
BNA_F
ClientSampleId :
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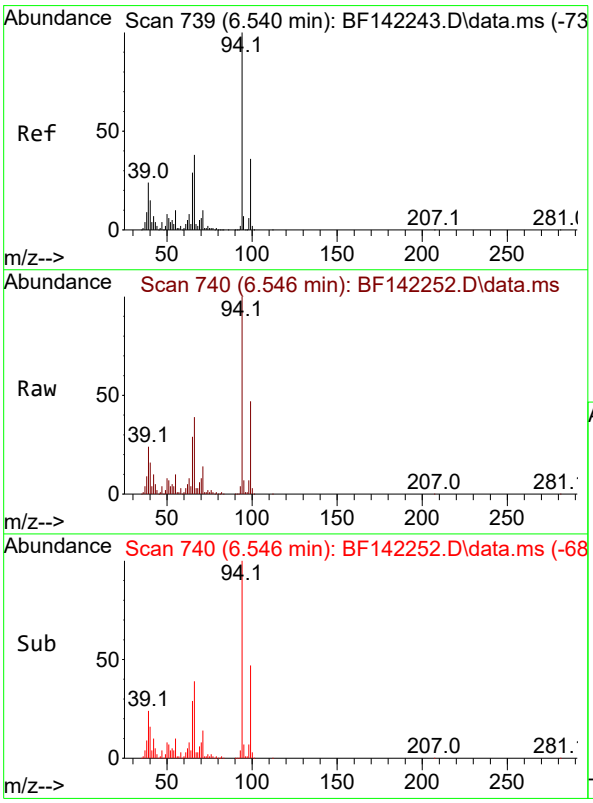
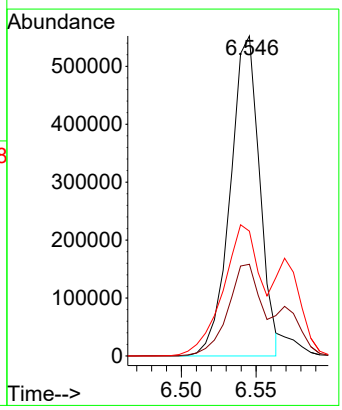
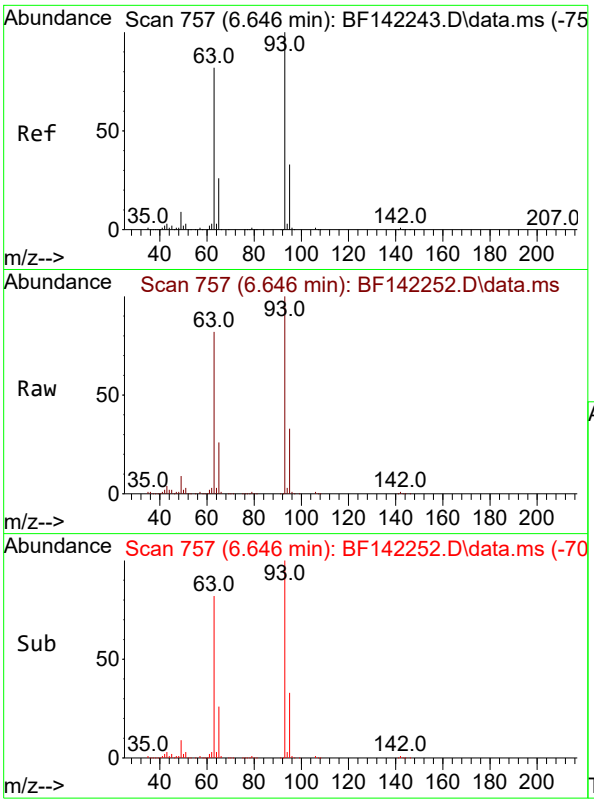


#10
Phenol
Concen: 41.200 ng m
RT: 6.546 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion: 94 Resp: 757157

Ion	Ratio	Lower	Upper
94	100		
65	28.7	8.9	48.9
66	39.0	18.7	58.7





#11
bis(2-Chloroethyl)ether
Concen: 40.916 ng
RT: 6.646 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion: 93 Resp: 58268

Ion	Ratio	Lower	Upper
93	100		
63	82.4	62.2	102.2
95	32.6	12.7	52.7

Instrument :
BNA_F
ClientSampleId :
PB167798BS

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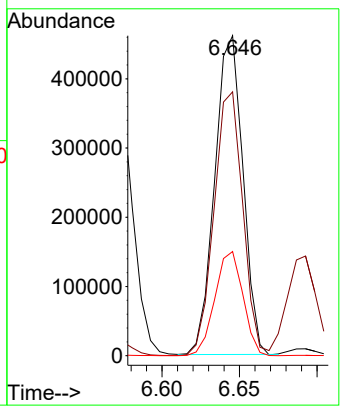
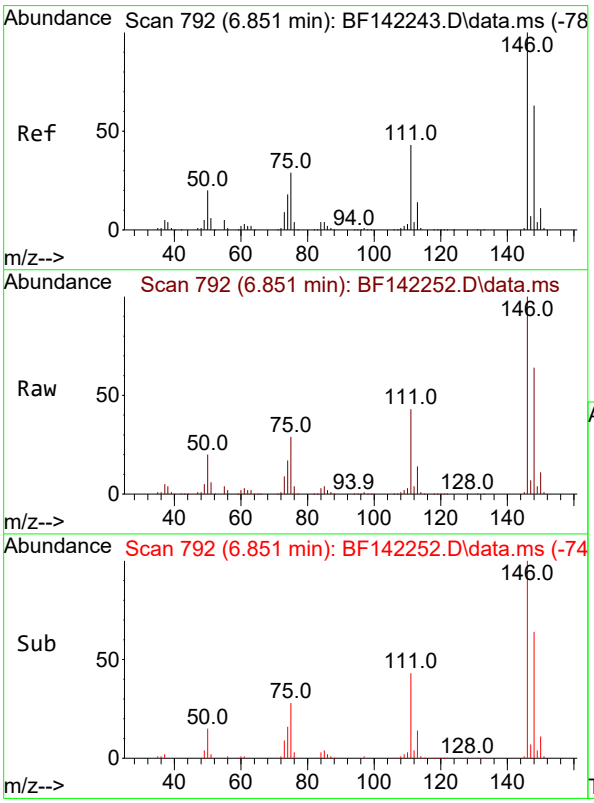
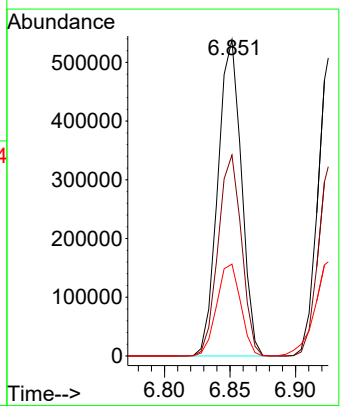


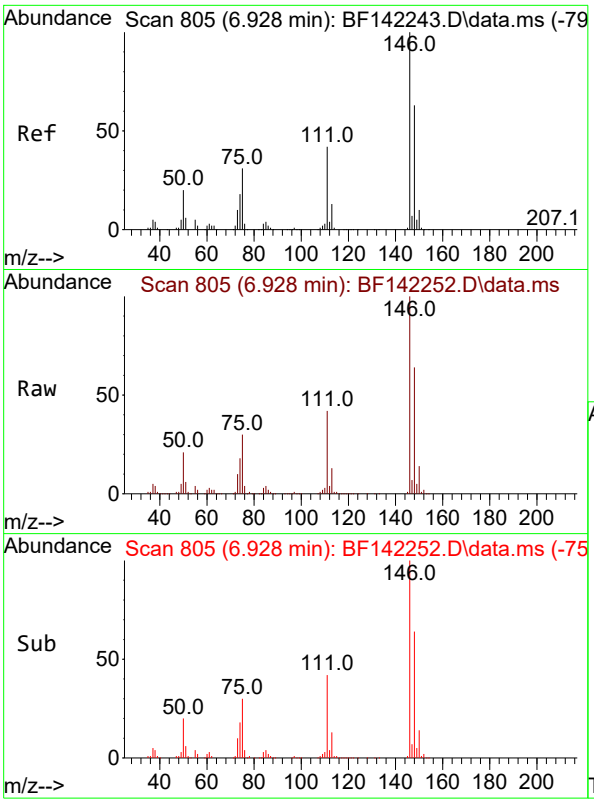


#12
1,3-Dichlorobenzene
Concen: 40.585 ng
RT: 6.851 min Scan# 792
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:146 Resp: 670657

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.5	75.7
75	29.1	23.2	34.8

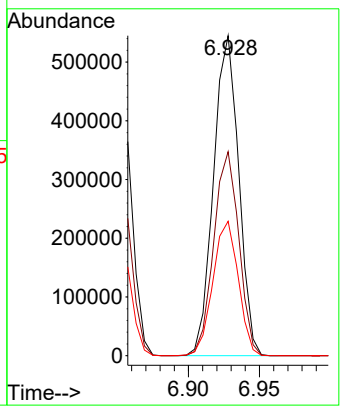




#13
1,4-Dichlorobenzene
Concen: 40.372 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:146 Resp: 67215

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.6	76.0
111	42.0	33.4	50.0



Instrument :
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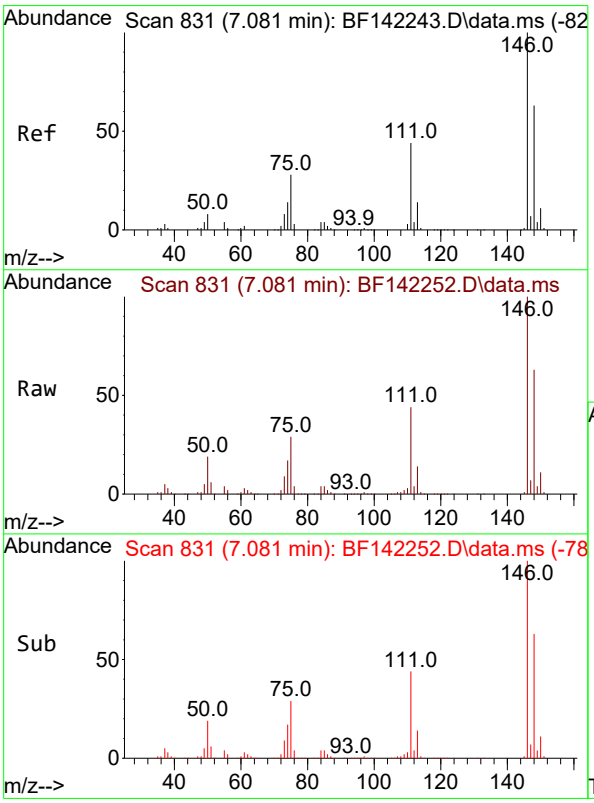
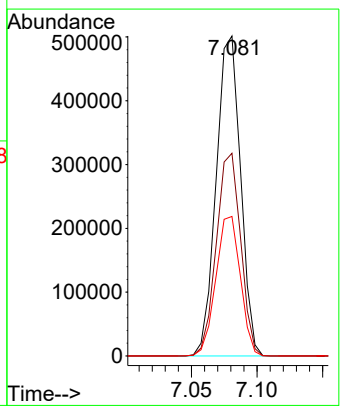
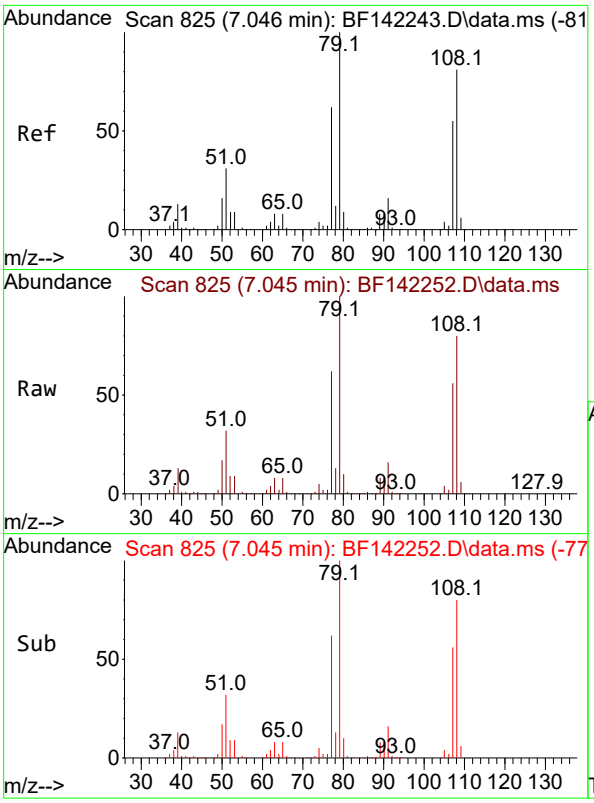


#14
1,2-Dichlorobenzene
Concen: 40.722 ng
RT: 7.081 min Scan# 831
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:146 Resp: 647246

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.5	75.7
111	43.6	34.9	52.3





#15
Benzyl Alcohol
Concen: 42.384 ng
RT: 7.045 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion: 79 Resp: 51313

Ion	Ratio	Lower	Upper
79	100		
108	80.3	64.5	96.7
77	62.5	49.2	73.8

Instrument :
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ClientSampleId :
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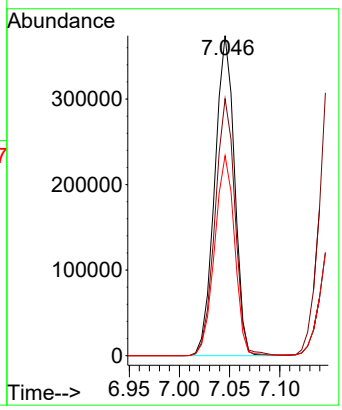
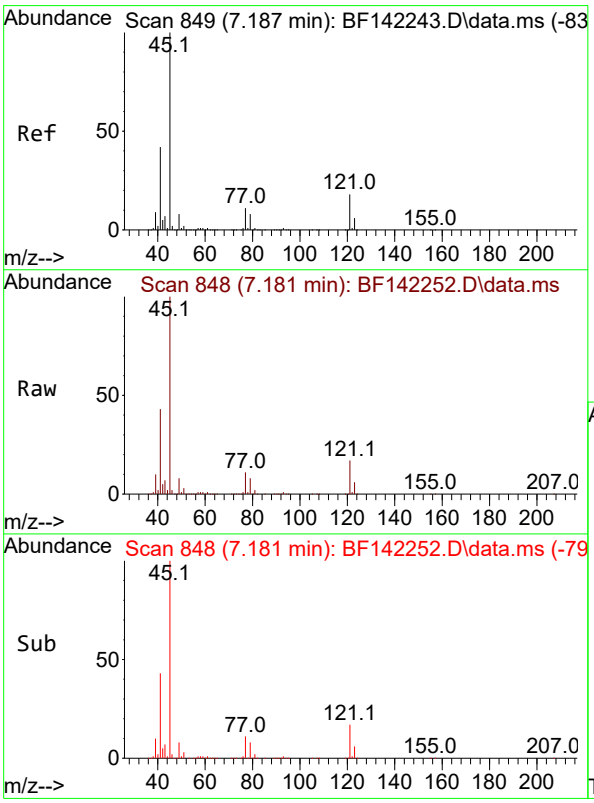
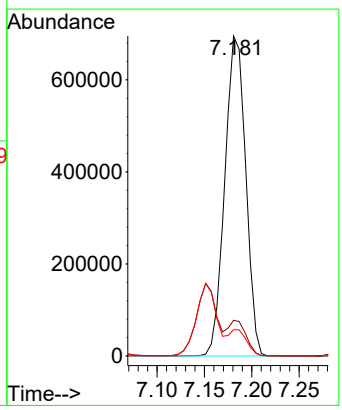


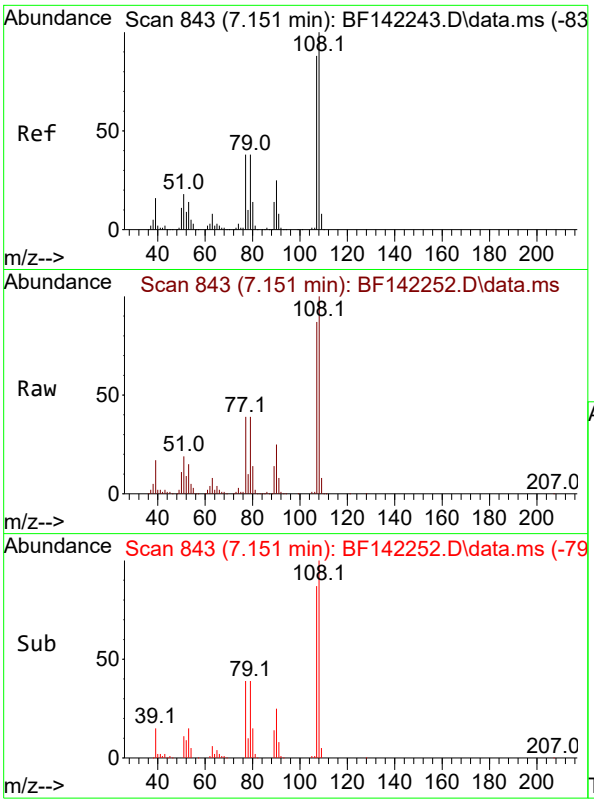


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.566 ng
RT: 7.181 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion: 45 Resp: 1068891

Ion	Ratio	Lower	Upper
45	100		
77	11.1	0.0	31.3
79	8.2	0.0	28.5

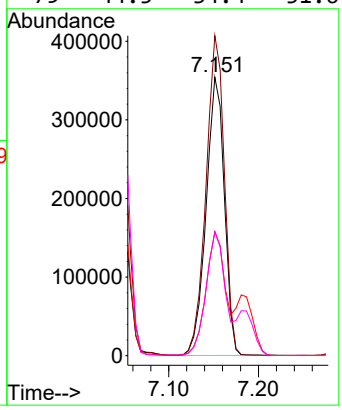




#17
2-Methylphenol
Concen: 41.877 ng
RT: 7.151 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:107 Resp: 50111

Ion	Ratio	Lower	Upper
107	100		
108	114.9	91.0	136.4
77	44.6	34.4	51.6
79	44.5	34.4	51.6



Instrument :
BNA_F
ClientSampleId :
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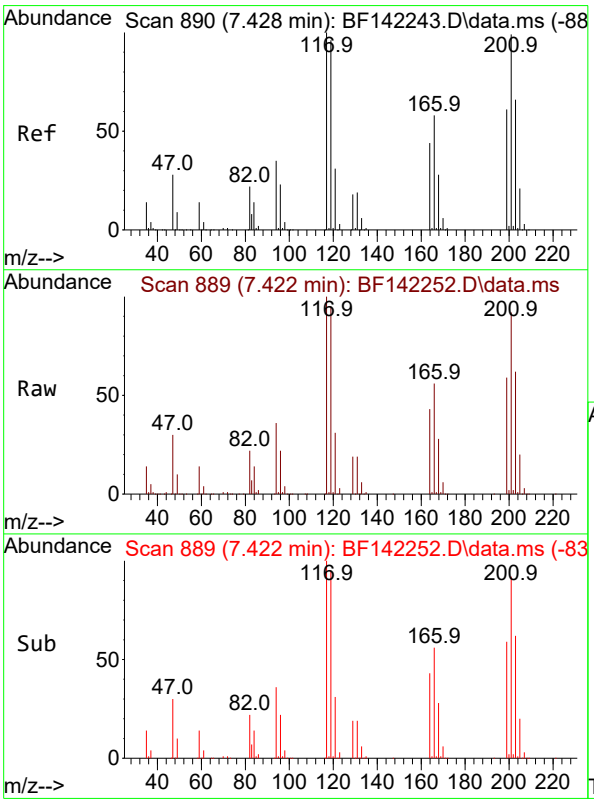
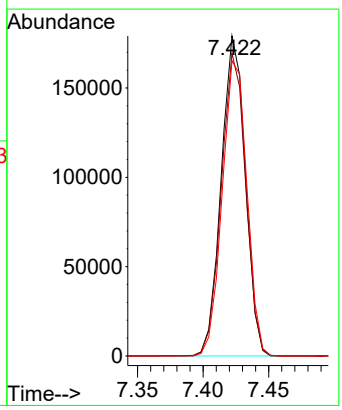
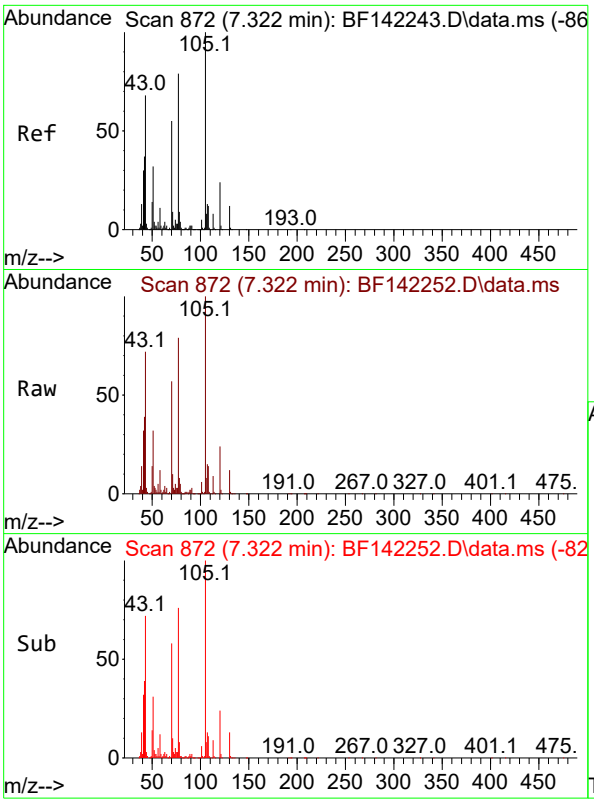


#18
Hexachloroethane
Concen: 41.957 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.006 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:117 Resp: 228628

Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.1	115.7
201	92.2	79.4	119.2

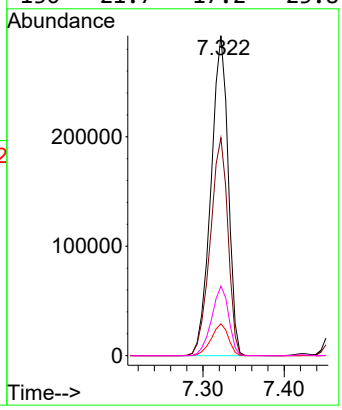




#19
n-Nitroso-di-n-propylamine
Concen: 40.801 ng
RT: 7.322 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion: 70 Resp: 43039

Ion	Ratio	Lower	Upper
70	100		
42	68.1	53.4	80.2
101	10.0	7.7	11.5
130	21.7	17.2	25.8



Instrument :
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ClientSampleId :
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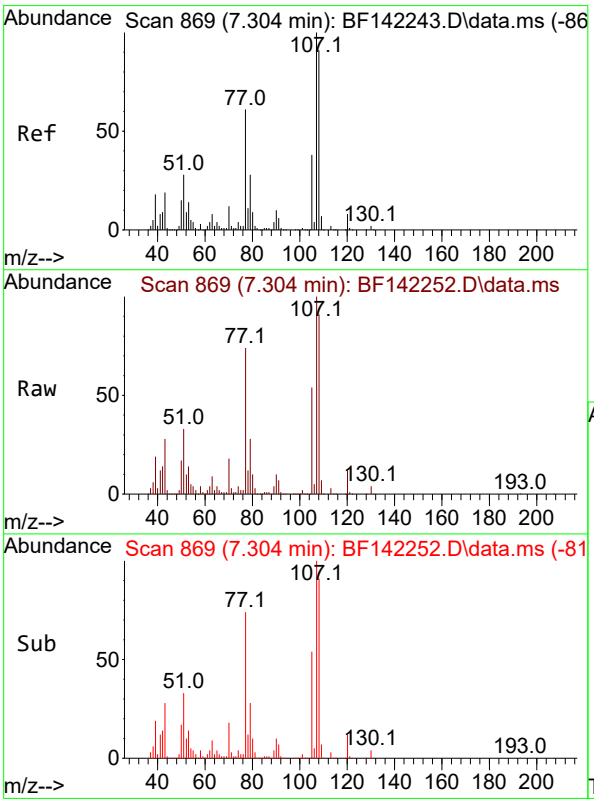
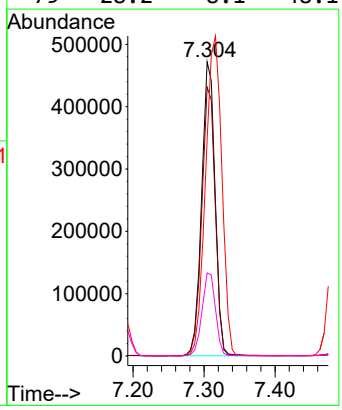
Supervised By :Jagrut Upadhyay 05/02/2025

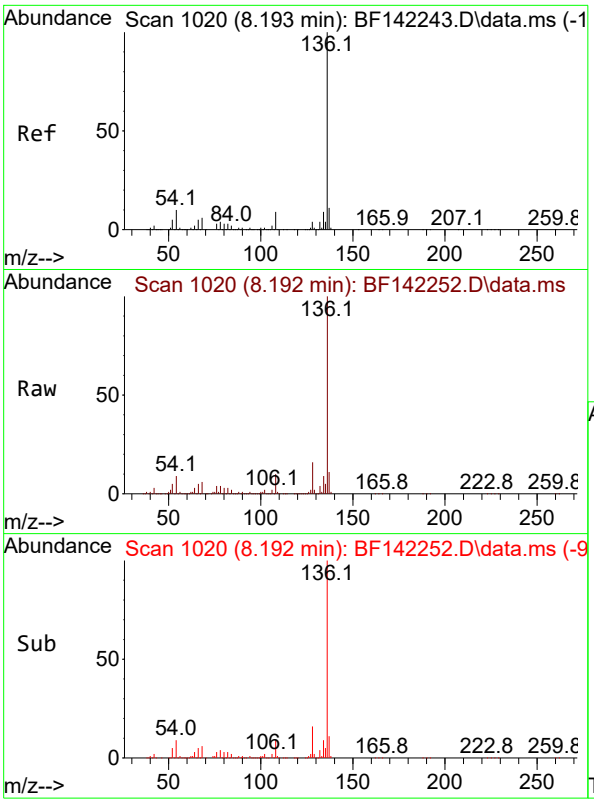


#20
3+4-Methylphenols
Concen: 41.509 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:107 Resp: 621160

Ion	Ratio	Lower	Upper
107	100		
108	91.4	71.2	111.2
77	73.8	41.1	81.1
79	28.2	8.1	48.1

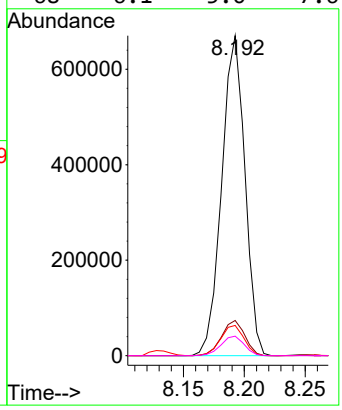




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:136 Resp: 88945

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	9.5	7.7	11.5
68	6.1	5.0	7.6



Instrument :
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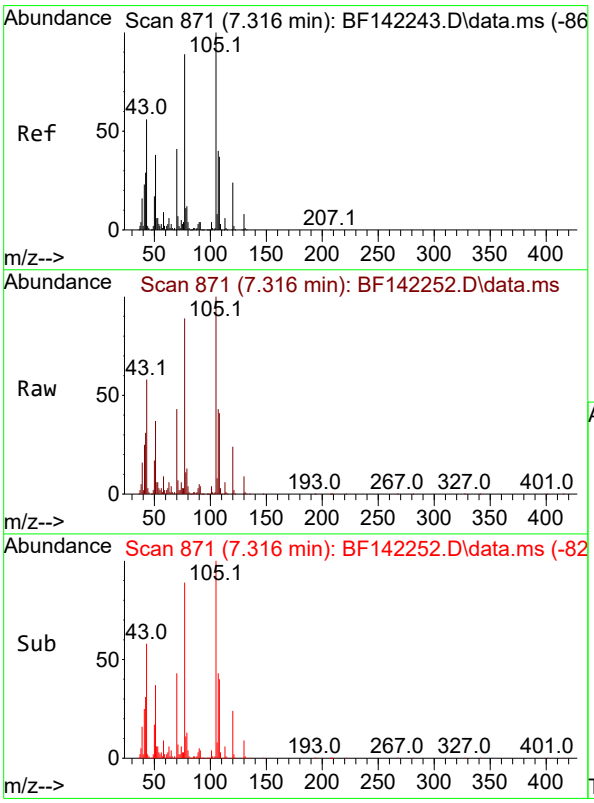
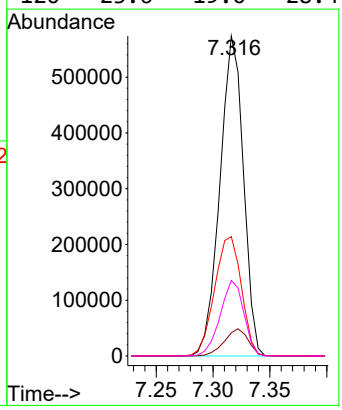
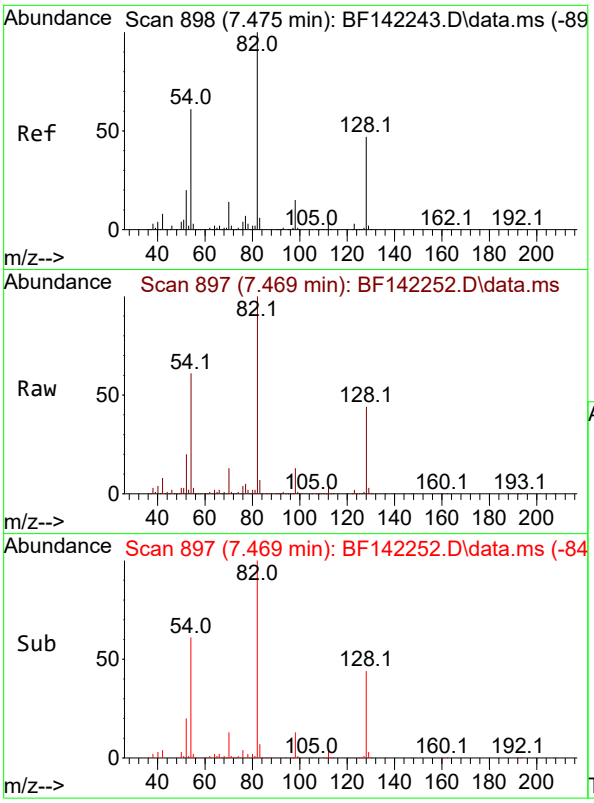


#22
Acetophenone
Concen: 40.145 ng
RT: 7.316 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:105 Resp: 826074

Ion	Ratio	Lower	Upper
105	100		
71	7.3	5.7	8.5
51	37.3	30.1	45.1
120	23.6	19.0	28.4





#23
Nitrobenzene-d5
Concen: 78.658 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion: 82 Resp: 106492

Ion	Ratio	Lower	Upper
82	100		
128	44.2	37.0	55.6
54	60.8	48.0	72.0

Instrument :
BNA_F
ClientSampleId :
PB167798BS

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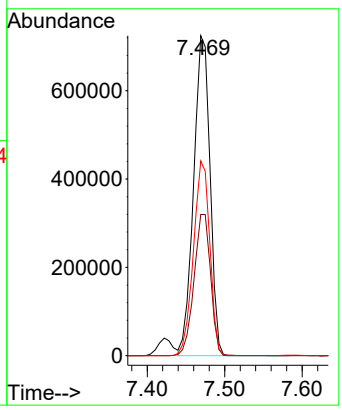
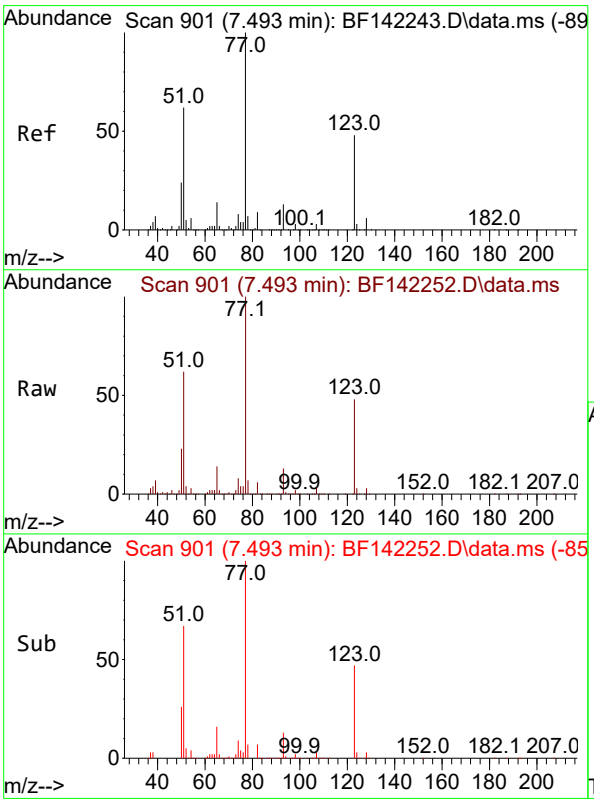
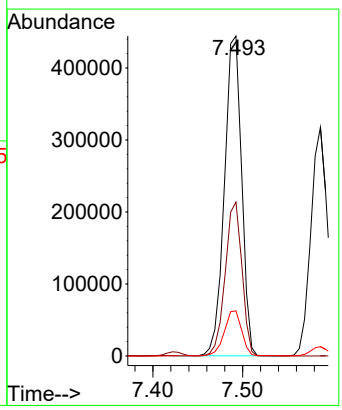


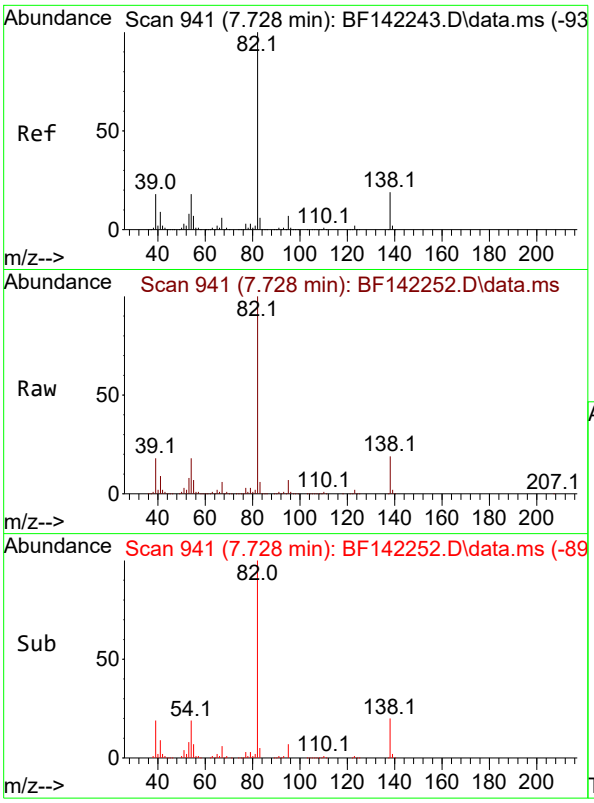


#24
Nitrobenzene
Concen: 44.506 ng
RT: 7.493 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion: 77 Resp: 591218

Ion	Ratio	Lower	Upper
77	100		
123	48.1	38.6	58.0
65	14.1	11.5	17.3





#25
Isophorone
Concen: 41.486 ng
RT: 7.728 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion: 82 Resp: 117877

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.6	8.4
138	19.3	15.3	22.9

Instrument :
BNA_F
ClientSampleId :
PB167798BS

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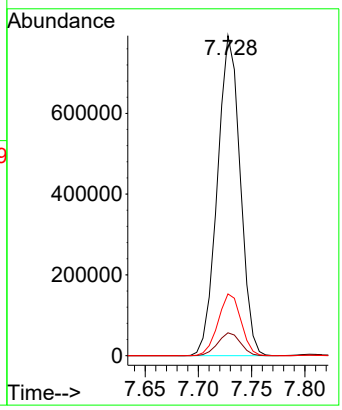
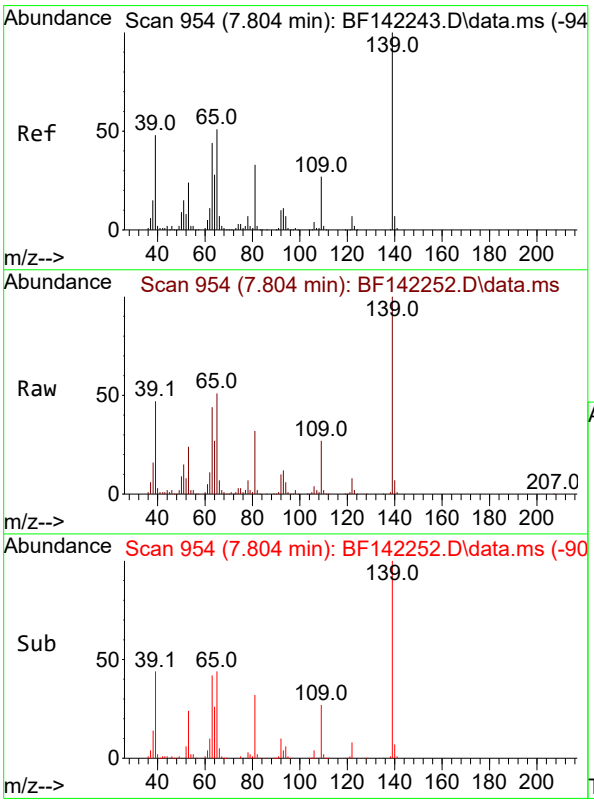
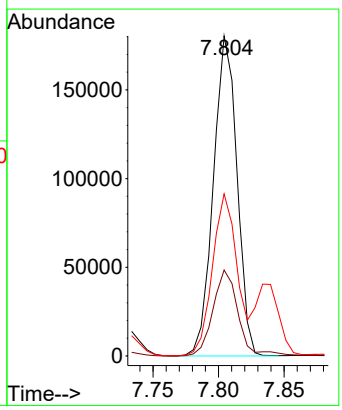


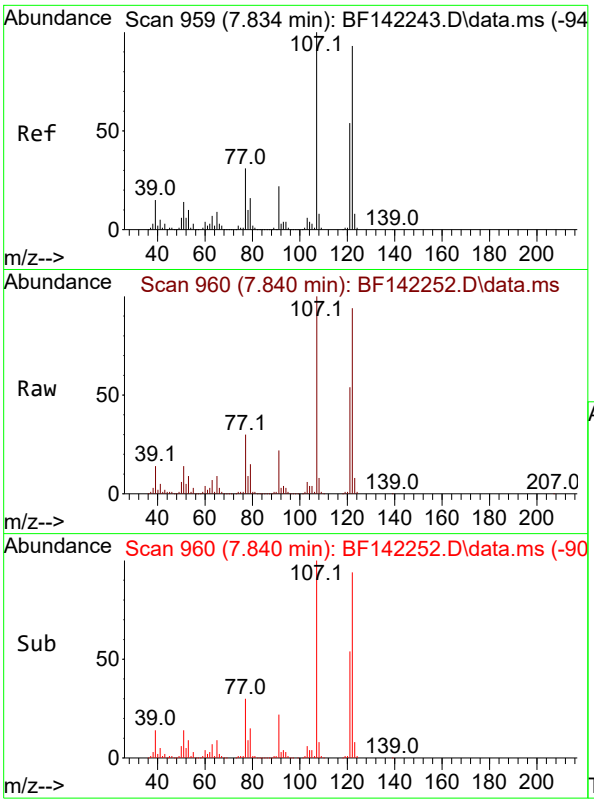


#26
2-Nitrophenol
Concen: 41.847 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:139 Resp: 225734

Ion	Ratio	Lower	Upper
139	100		
109	26.8	21.8	32.8
65	50.7	41.1	61.7





#27
2,4-Dimethylphenol
Concen: 42.086 ng
RT: 7.840 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:122 Resp: 60292

Ion	Ratio	Lower	Upper
122	100		
107	106.2	86.0	129.0
121	57.4	46.3	69.5

Instrument :
BNA_F
ClientSampleId :
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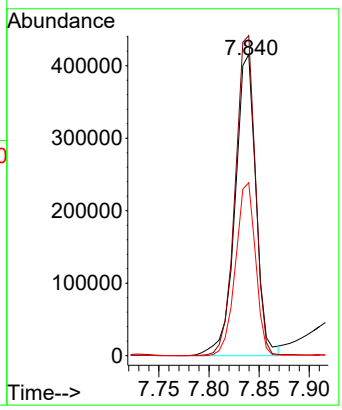
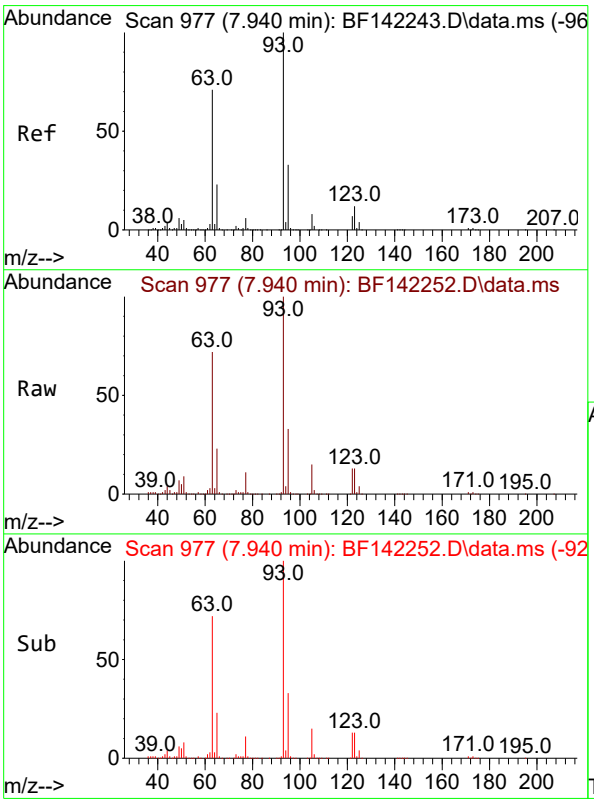
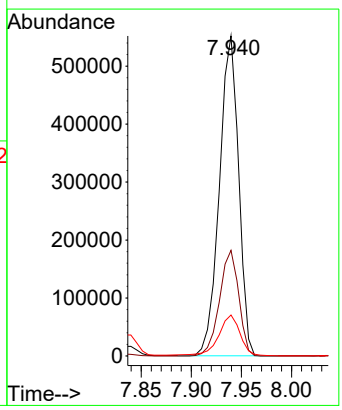


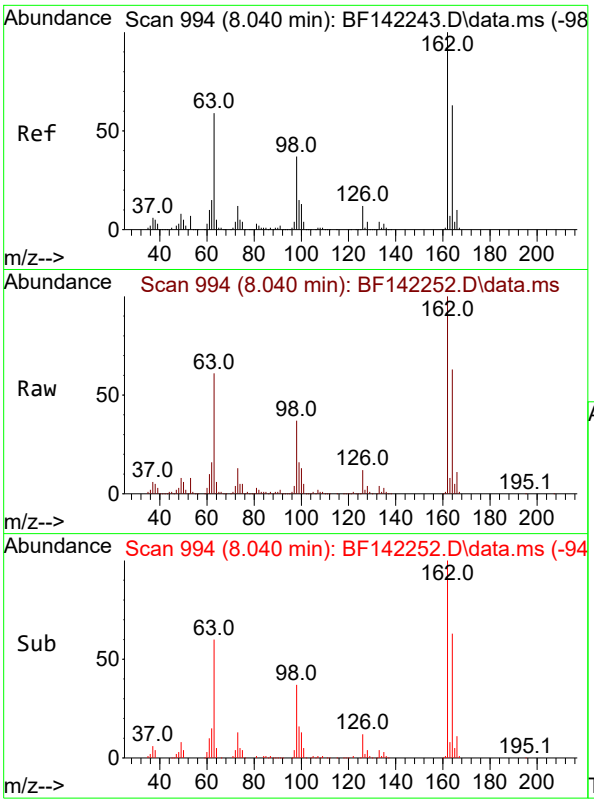


#28
bis(2-Chloroethoxy)methane
Concen: 40.995 ng
RT: 7.940 min Scan# 977
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion: 93 Resp: 734626

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.2	39.2
123	12.8	9.7	14.5

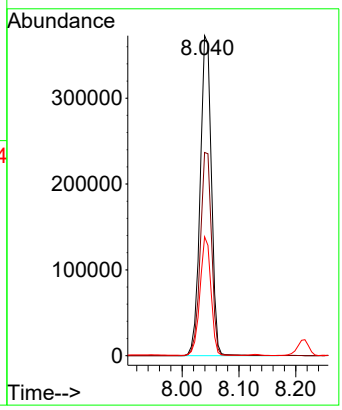




#29
2,4-Dichlorophenol
Concen: 42.777 ng
RT: 8.040 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:162 Resp: 51235

Ion	Ratio	Lower	Upper
162	100		
164	63.5	43.0	83.0
98	37.2	16.7	56.7



Instrument :
BNA_F
ClientSampleId :
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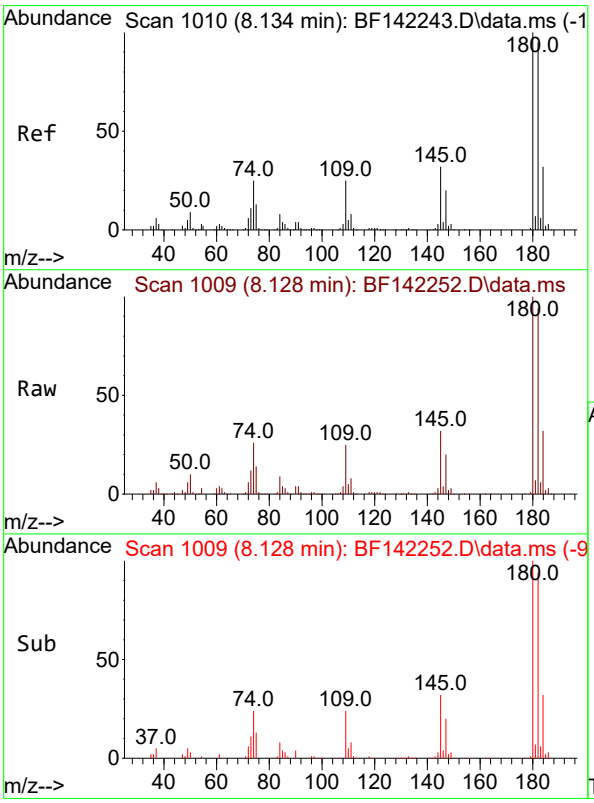
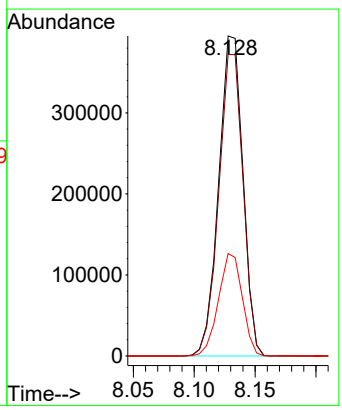
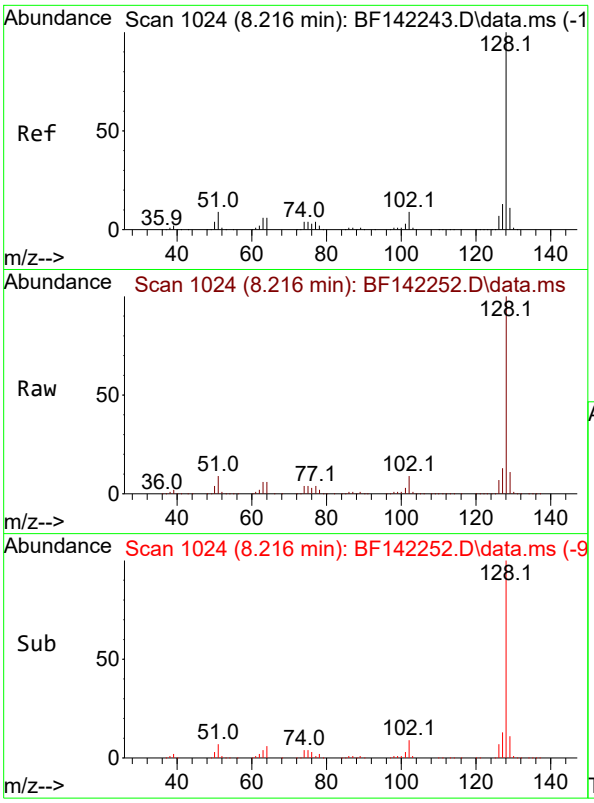


#30
1,2,4-Trichlorobenzene
Concen: 40.953 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:180 Resp: 547350

Ion	Ratio	Lower	Upper
180	100		
182	94.2	75.7	113.5
145	32.0	25.4	38.0

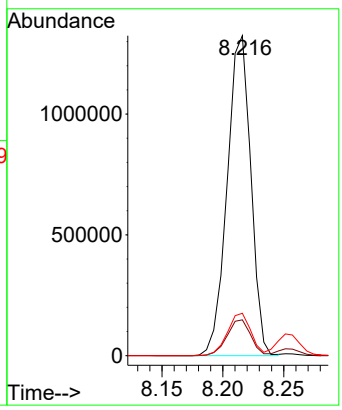




#31
Naphthalene
Concen: 40.399 ng
RT: 8.216 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:128 Resp: 179200

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	13.3	10.6	15.8



Instrument :
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ClientSampleId :
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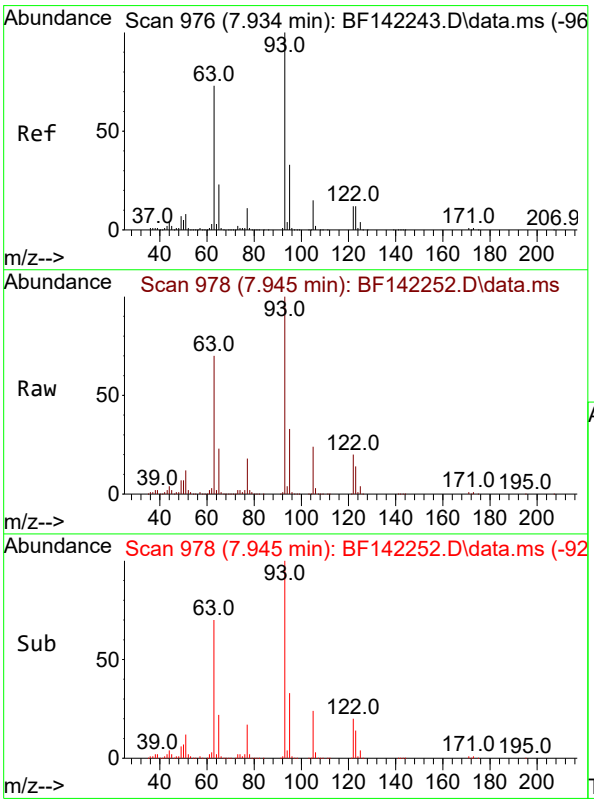
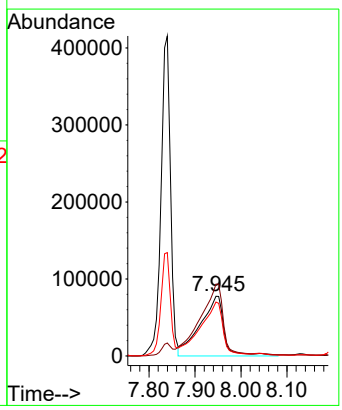
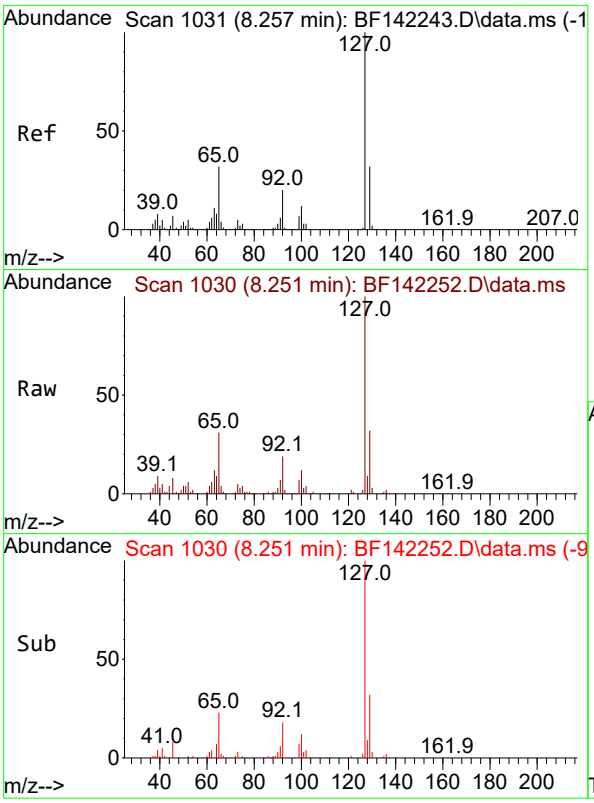


#32
Benzoic acid
Concen: 42.883 ng m
RT: 7.945 min Scan# 978
Delta R.T. 0.011 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:122 Resp: 282191

Ion	Ratio	Lower	Upper
122	100		
105	120.3	98.2	138.2
77	90.3	66.8	106.8

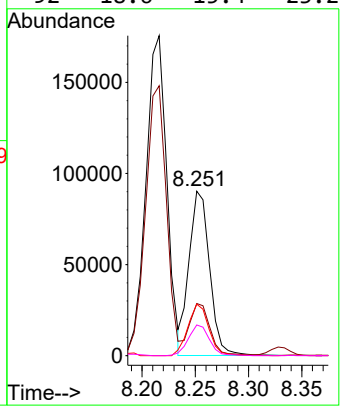




#33
4-Chloroaniline
Concen: 6.579 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:127 Resp: 12151

Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.1	39.1
65	31.4	25.5	38.3
92	18.6	15.4	23.2



Instrument :
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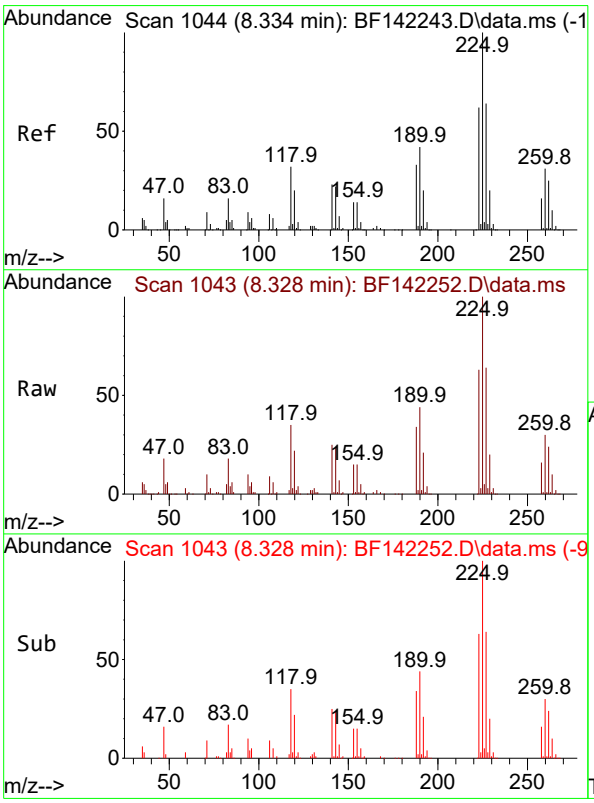
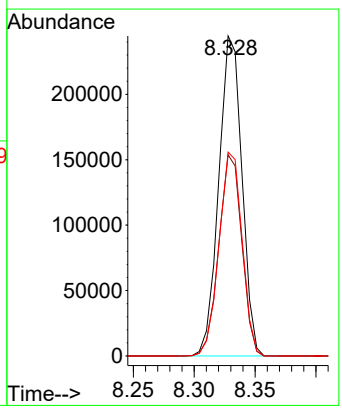
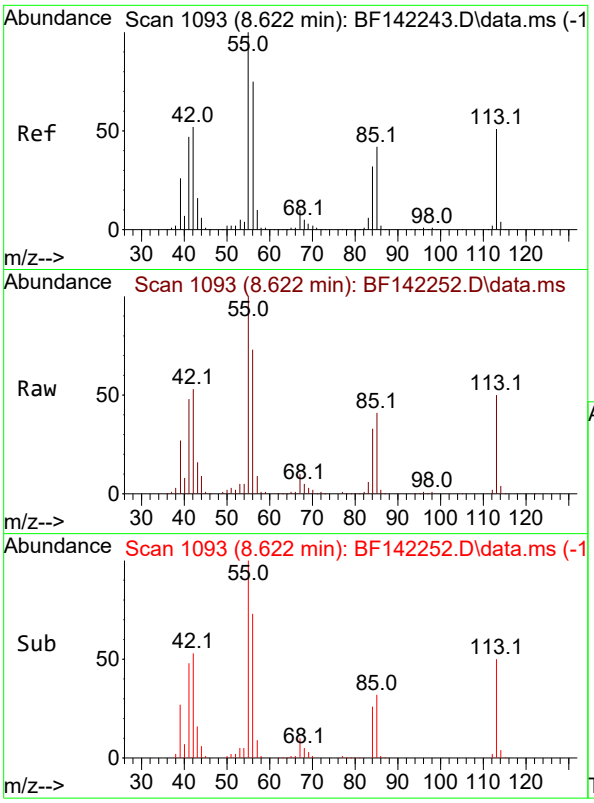


#34
Hexachlorobutadiene
Concen: 41.453 ng
RT: 8.328 min Scan# 1043
Delta R.T. -0.006 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:225 Resp: 323243

Ion	Ratio	Lower	Upper
225	100		
223	62.9	49.7	74.5
227	63.7	51.0	76.4

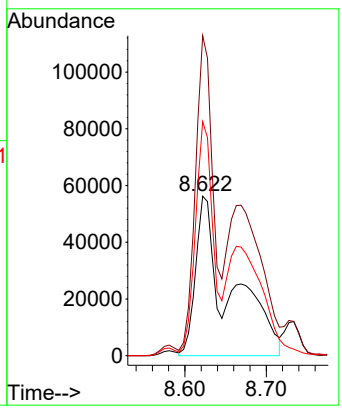




#35
Caprolactam
Concen: 45.568 ng m
RT: 8.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:113 Resp: 16404

Ion	Ratio	Lower	Upper
113	100		
55	200.6	177.7	217.7
56	146.8	127.1	167.1



Instrument :
BNA_F
ClientSampleId :
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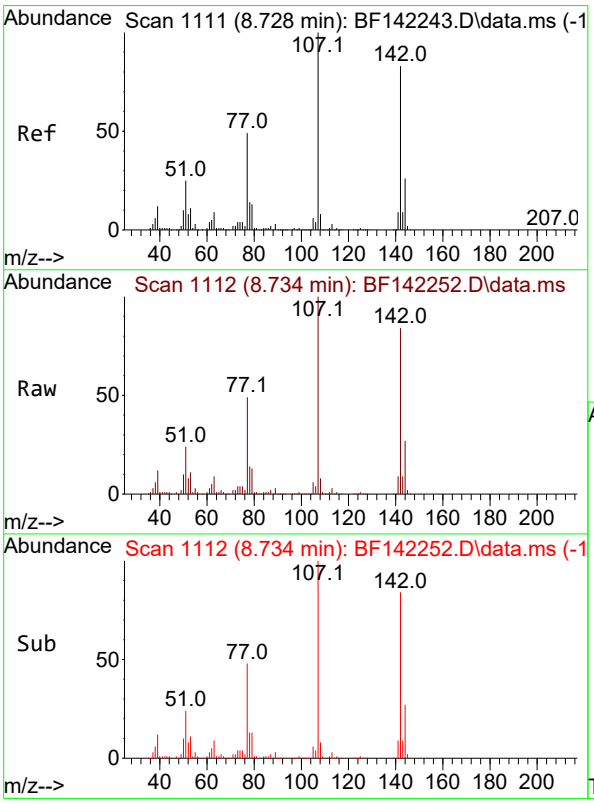
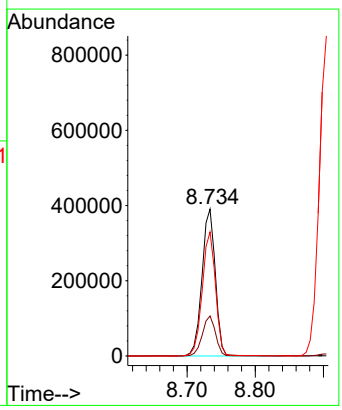
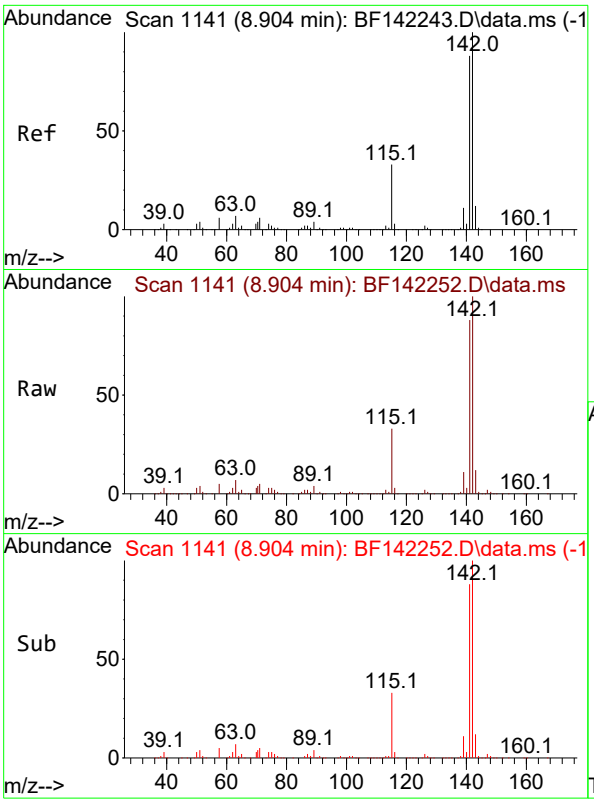


#36
4-Chloro-3-methylphenol
Concen: 43.315 ng
RT: 8.734 min Scan# 1112
Delta R.T. 0.006 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:107 Resp: 532722

Ion	Ratio	Lower	Upper
107	100		
144	27.2	21.0	31.4
142	84.4	66.1	99.1

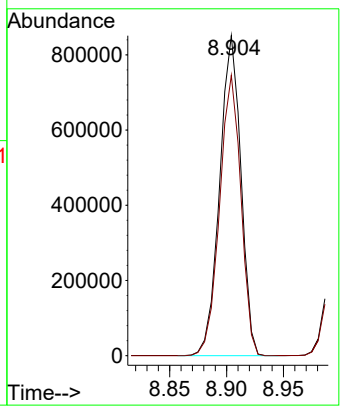




#37
2-Methylnaphthalene
Concen: 40.544 ng
RT: 8.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:142 Resp: 110572

Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.5	105.7



Instrument :
BNA_F
ClientSampleId :
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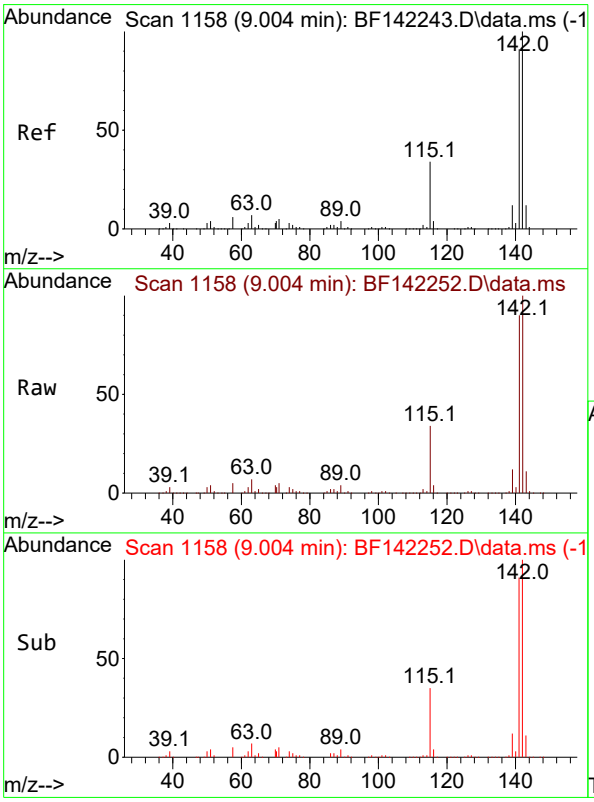
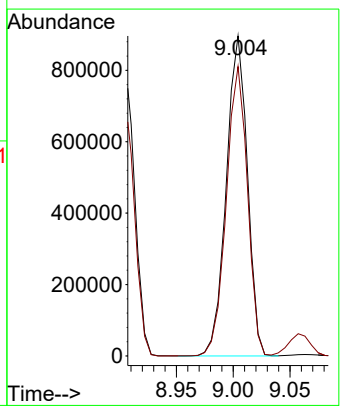
Supervised By :Jagrut Upadhyay 05/02/2025

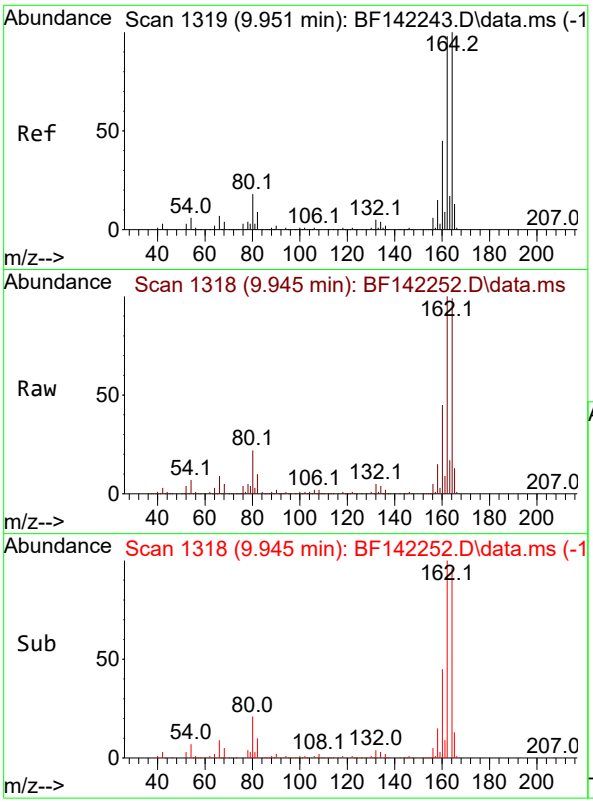


#38
1-Methylnaphthalene
Concen: 41.039 ng
RT: 9.004 min Scan# 1158
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:142 Resp: 1159466

Ion	Ratio	Lower	Upper
142	100		
141	90.4	72.8	109.2

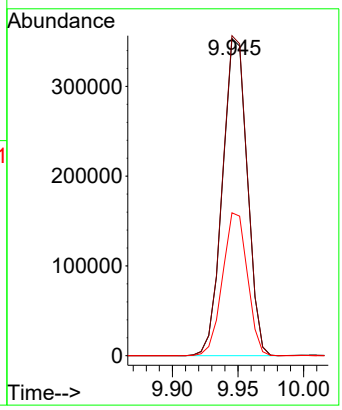




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:164 Resp: 46423

Ion	Ratio	Lower	Upper
164	100		
162	100.9	78.6	117.8
160	45.1	35.7	53.5



Instrument :
BNA_F
ClientSampleId :
PB167798BS

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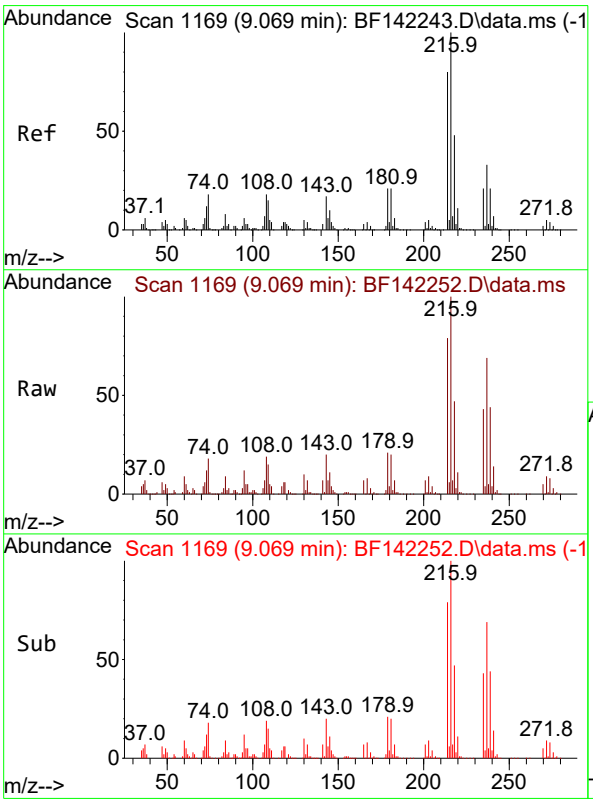
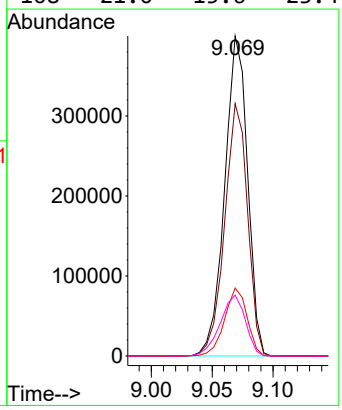
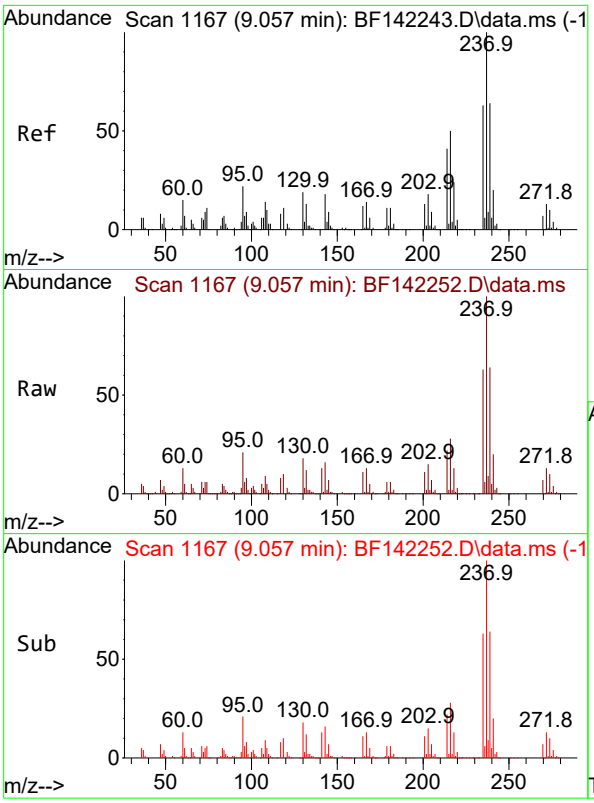


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.032 ng
RT: 9.069 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:216 Resp: 523019

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.8	95.6
179	21.0	16.7	25.1
108	21.0	15.6	23.4





#41
Hexachlorocyclopentadiene
Concen: 88.906 ng
RT: 9.057 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Instrument :
BNA_F
ClientSampleId :
PB167798BS

Tgt Ion:237 Resp: 65924

Ion	Ratio	Lower	Upper
237	100		
235	62.8	43.5	83.5
272	12.6	0.0	32.9

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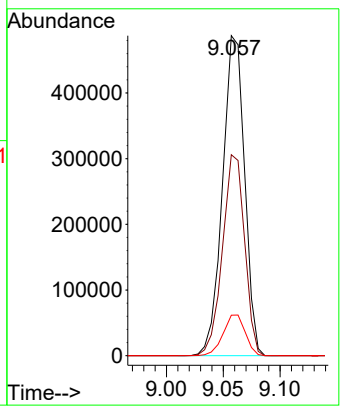
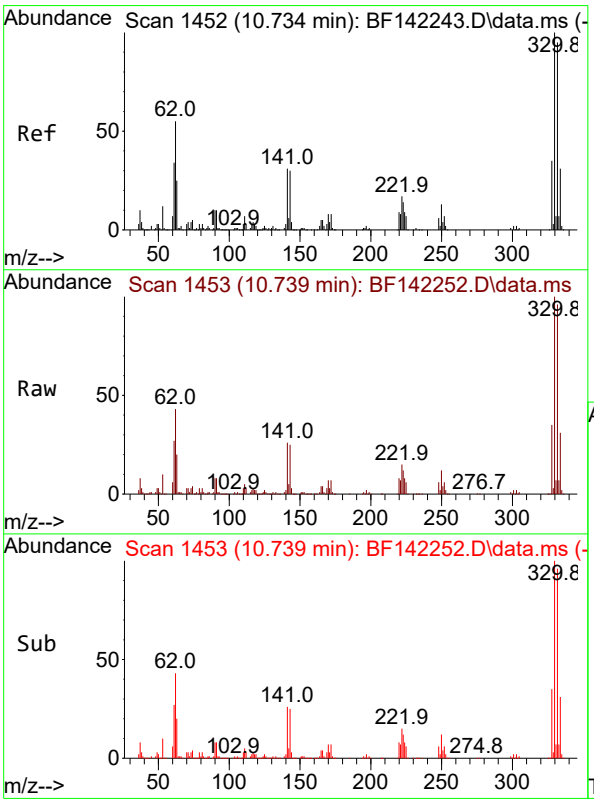
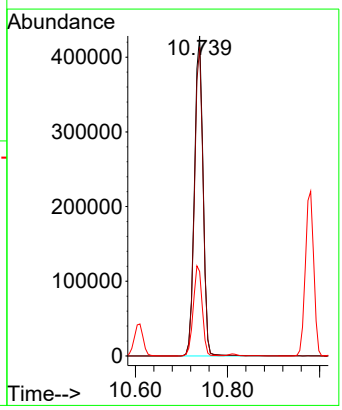


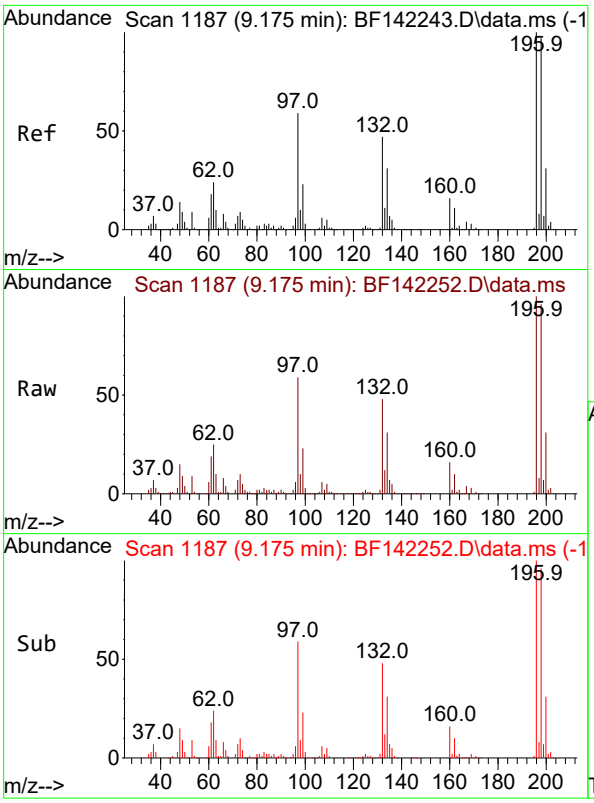


#42
2,4,6-Tribromophenol
Concen: 130.679 ng
RT: 10.739 min Scan# 1453
Delta R.T. 0.006 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:330 Resp: 553053

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.5	114.7
141	29.1	24.3	36.5

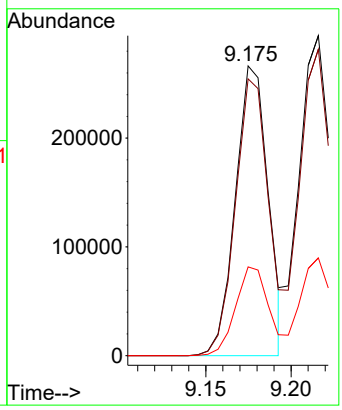




#43
2,4,6-Trichlorophenol
Concen: 43.843 ng
RT: 9.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:196 Resp: 35494

Ion	Ratio	Lower	Upper
196	100		
198	95.6	77.4	116.2
200	30.7	24.6	37.0



Instrument :
BNA_F
ClientSampleId :
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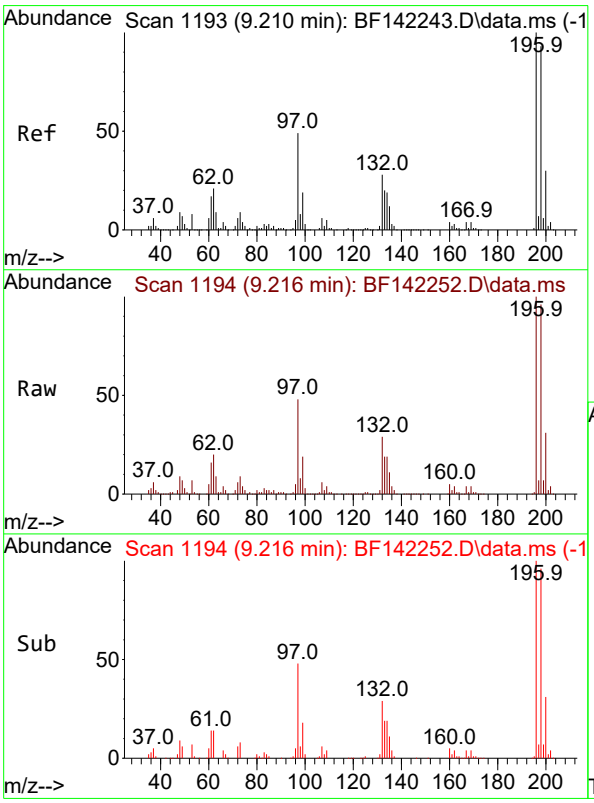
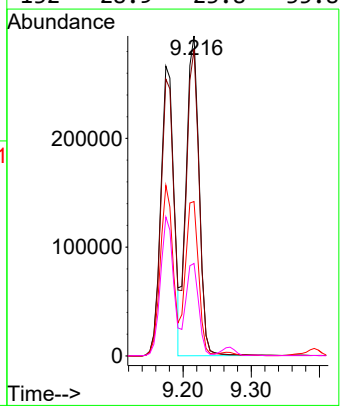
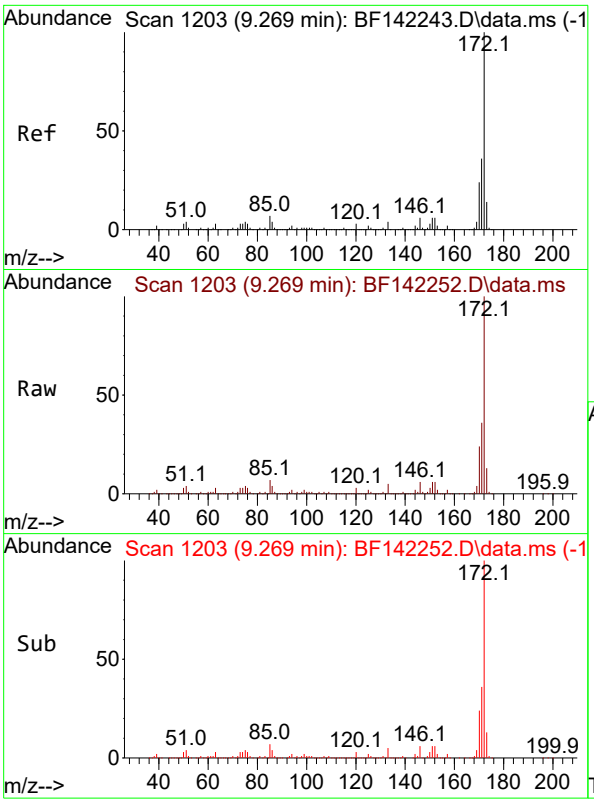


#44
2,4,5-Trichlorophenol
Concen: 45.404 ng
RT: 9.216 min Scan# 1194
Delta R.T. 0.006 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:196 Resp: 386474

Ion	Ratio	Lower	Upper
196	100		
198	95.7	75.2	112.8
97	48.2	39.8	59.8
132	28.9	23.8	35.8





#45
2-Fluorobiphenyl
Concen: 69.221 ng
RT: 9.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Instrument :
BNA_F
ClientSampleId :
PB167798BS

Tgt Ion:172 Resp: 227911

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.4
170	24.0	19.4	29.0

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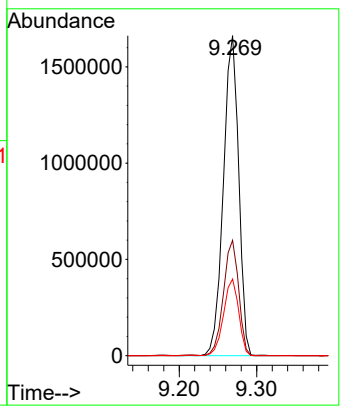
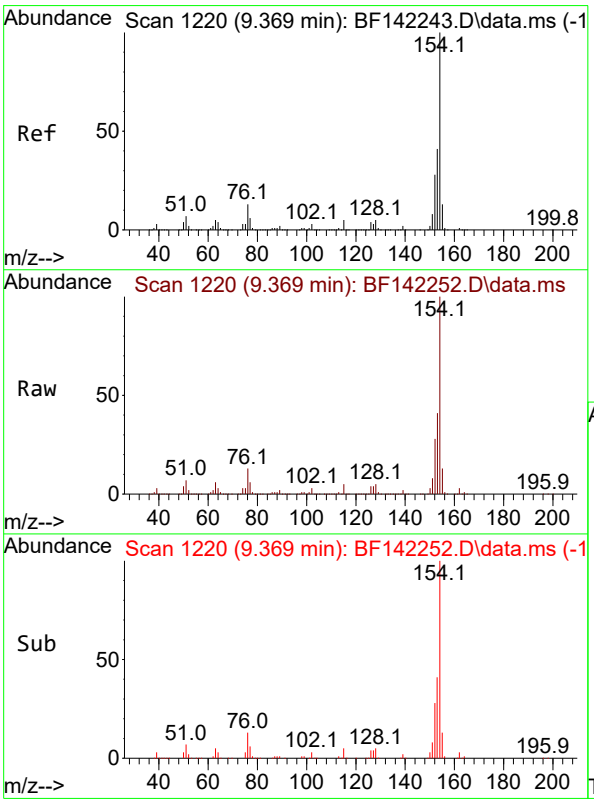
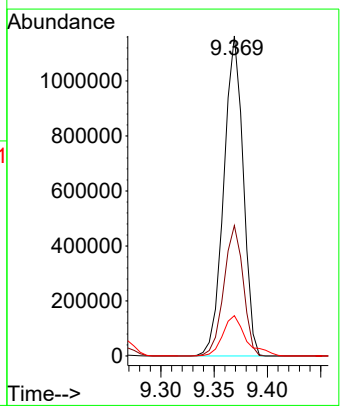


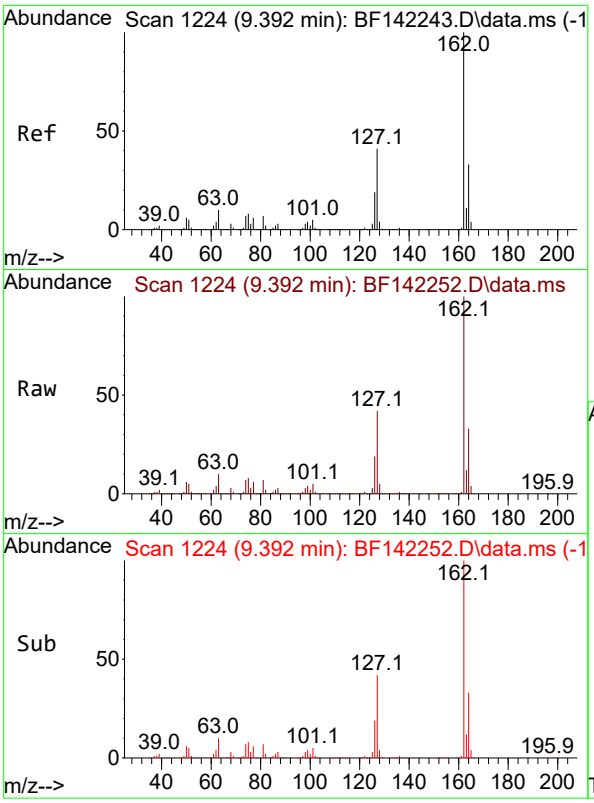


#46
1,1'-Biphenyl
Concen: 40.881 ng
RT: 9.369 min Scan# 1220
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:154 Resp: 1475397

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.5	60.5
76	12.6	0.0	32.8

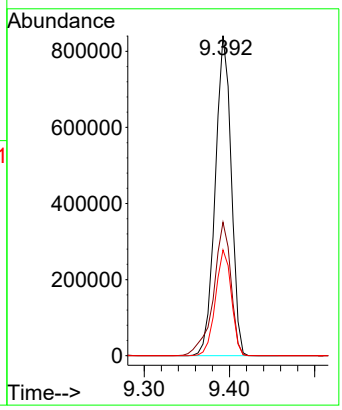




#47
2-Chloronaphthalene
Concen: 40.695 ng
RT: 9.392 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:162 Resp: 109269

Ion	Ratio	Lower	Upper
162	100		
127	41.7	32.6	49.0
164	33.1	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
PB167798BS

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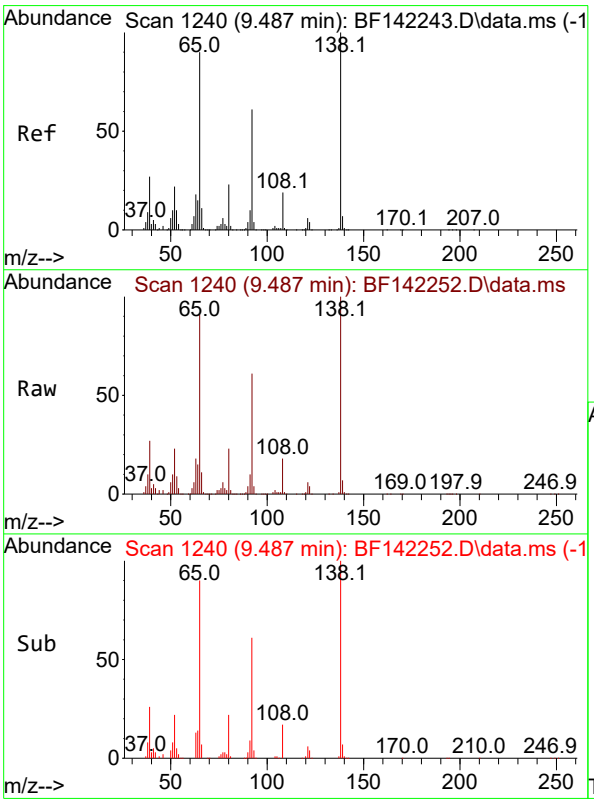
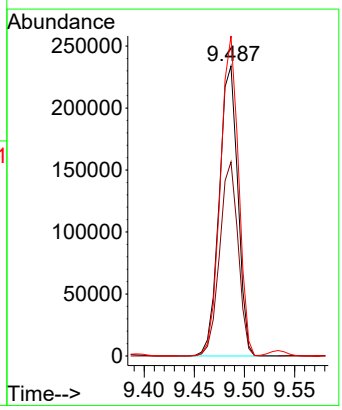
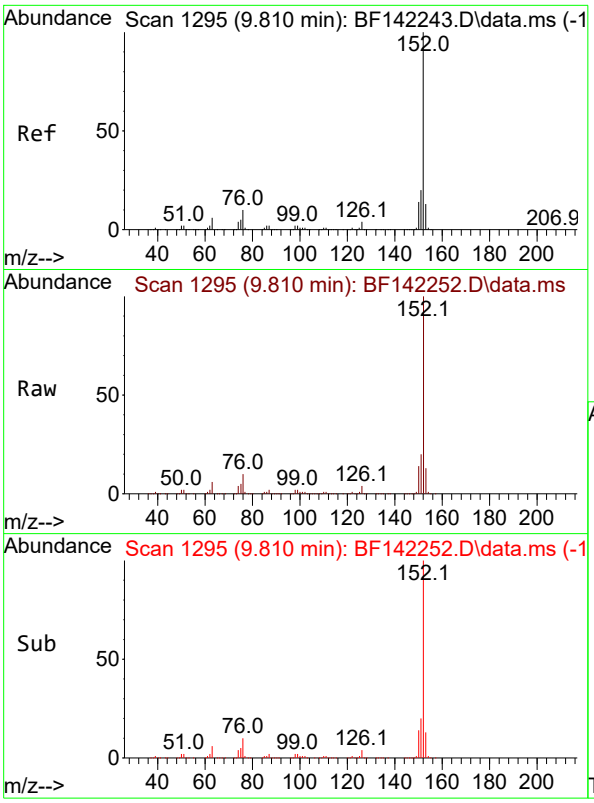


#48
2-Nitroaniline
Concen: 43.124 ng
RT: 9.487 min Scan# 1240
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion: 65 Resp: 301543

Ion	Ratio	Lower	Upper
65	100		
92	66.9	54.3	81.5
138	110.4	88.6	133.0

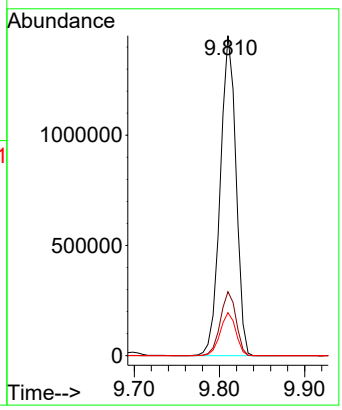




#49
Acenaphthylene
Concen: 41.234 ng
RT: 9.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:152 Resp: 186831

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.2
153	13.4	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
PB167798BS

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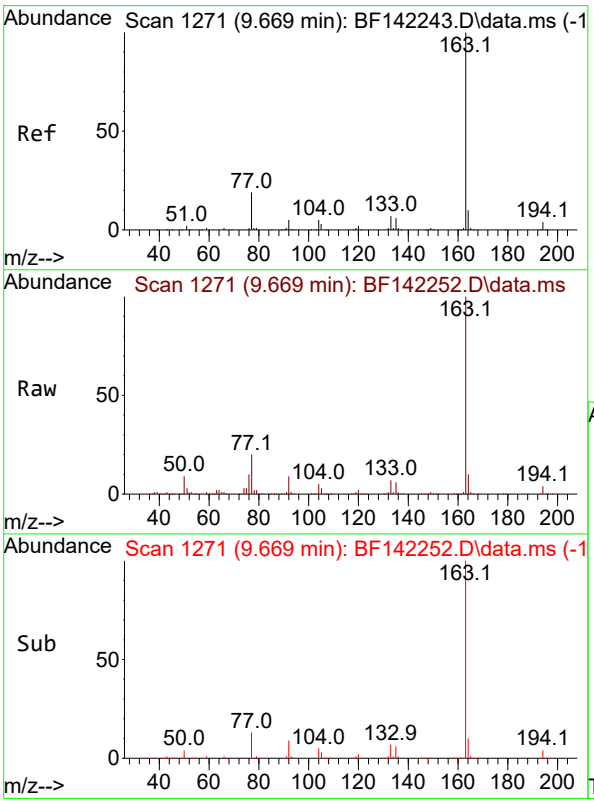
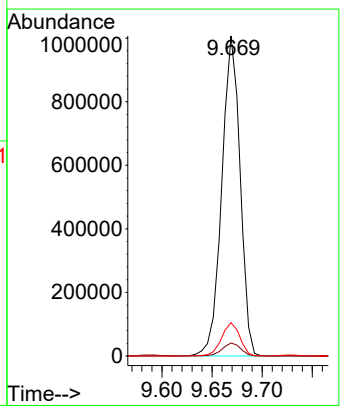
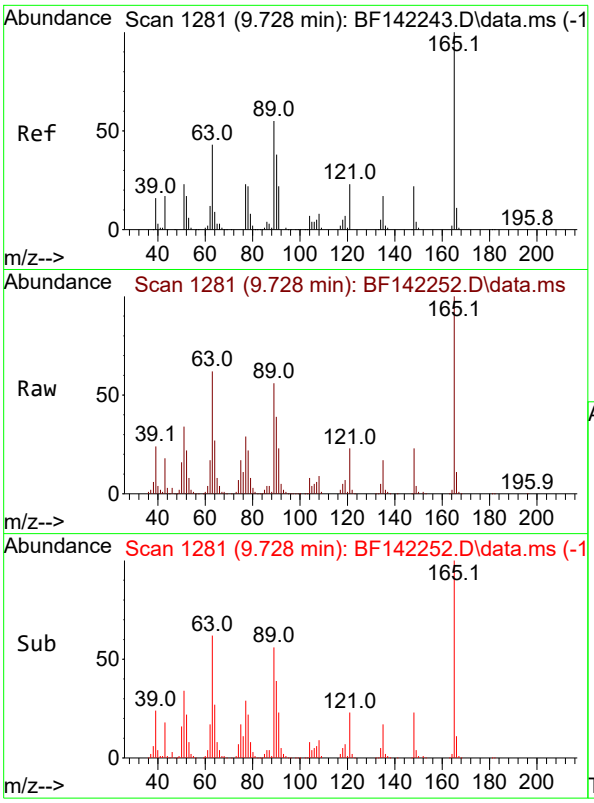


#50
Dimethylphthalate
Concen: 43.038 ng
RT: 9.669 min Scan# 1271
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:163 Resp: 1278203

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.4	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 43.832 ng
RT: 9.728 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:165 Resp: 24751

Ion	Ratio	Lower	Upper
165	100		
63	61.9	48.5	72.7
89	56.0	43.9	65.9

Instrument :
BNA_F
ClientSampleId :
PB167798BS

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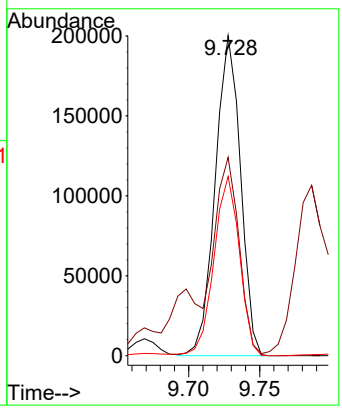
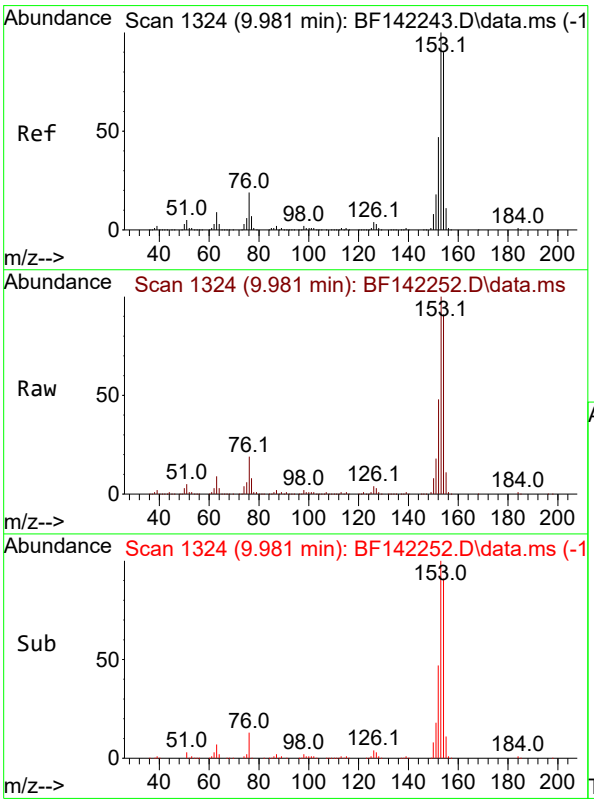
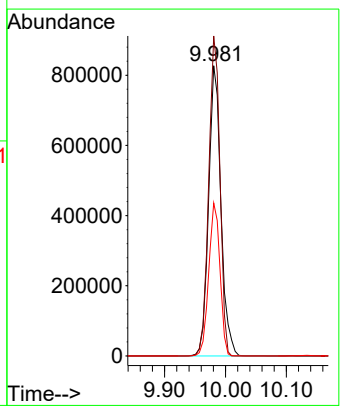


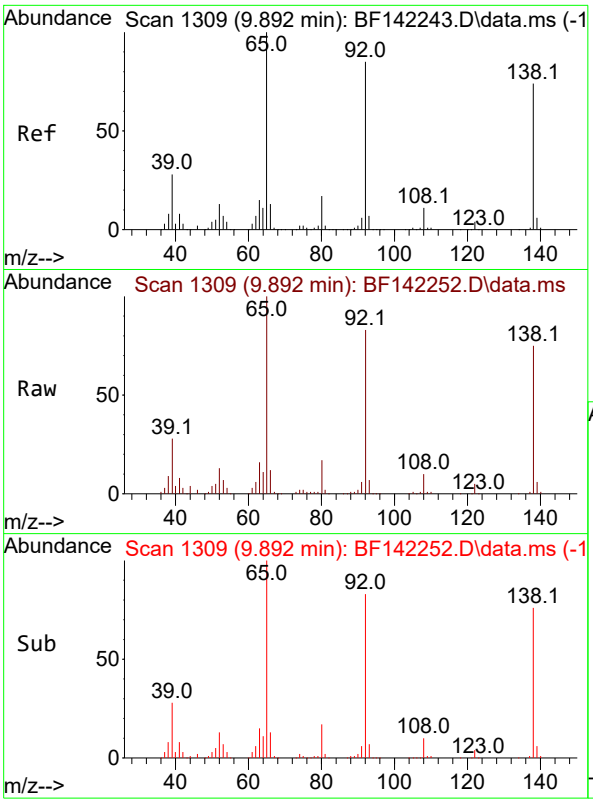


#52
Acenaphthene
Concen: 43.895 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:154 Resp: 1161277

Ion	Ratio	Lower	Upper
154	100		
153	110.3	88.6	133.0
152	52.7	42.1	63.1





#53
3-Nitroaniline
Concen: 19.467 ng
RT: 9.892 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:138 Resp: 12083

Ion	Ratio	Lower	Upper
138	100		
108	13.4	11.7	17.5
92	110.4	91.2	136.8

Instrument :
BNA_F
ClientSampleId :
PB167798BS

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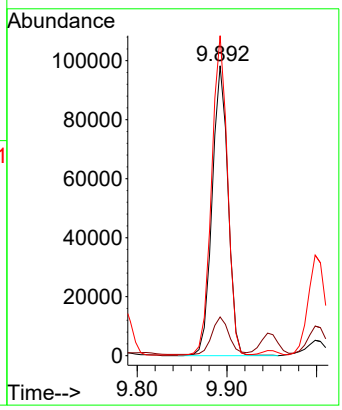
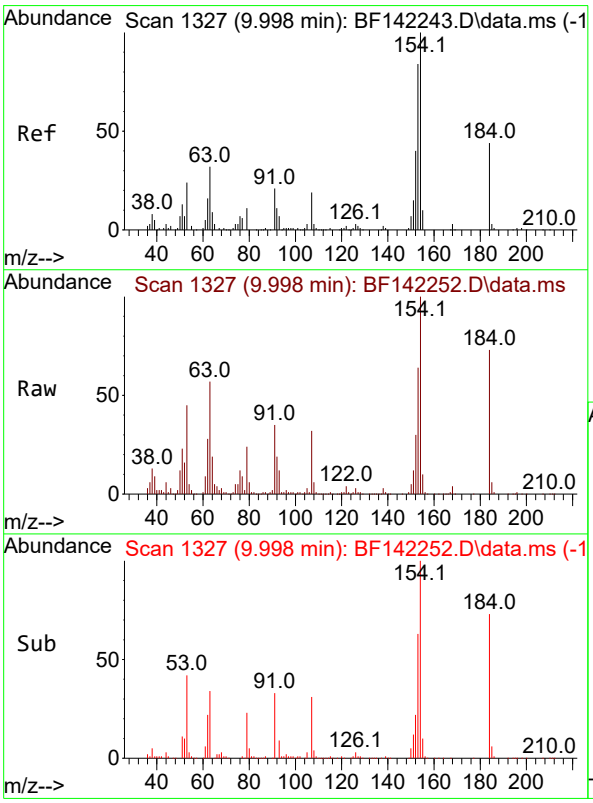
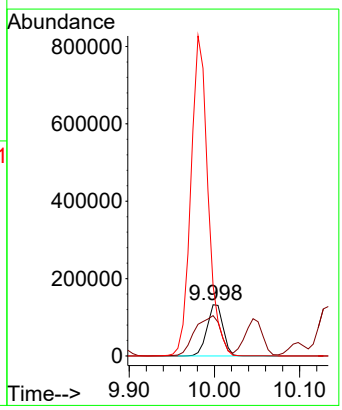


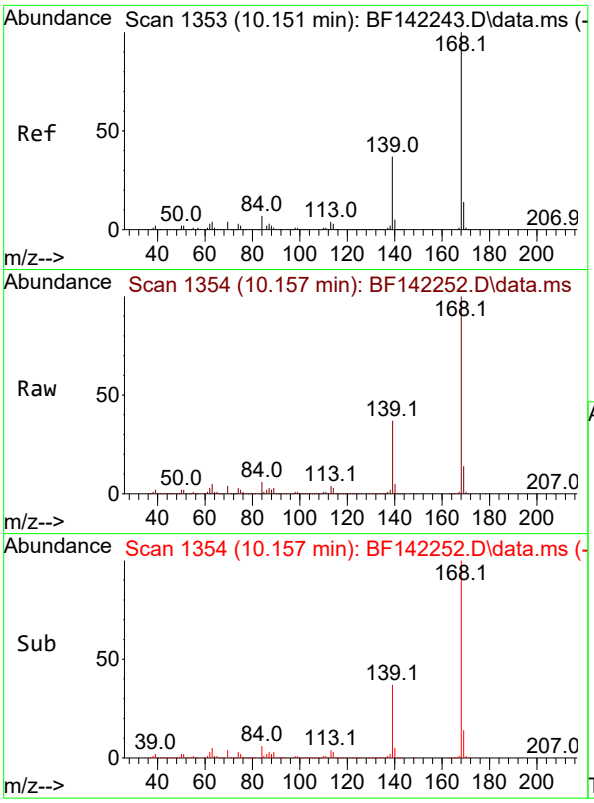


#54
2,4-Dinitrophenol
Concen: 84.535 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:184 Resp: 173600

Ion	Ratio	Lower	Upper
184	100		
63	78.8	69.2	103.8
154	137.3	271.4	407.2#

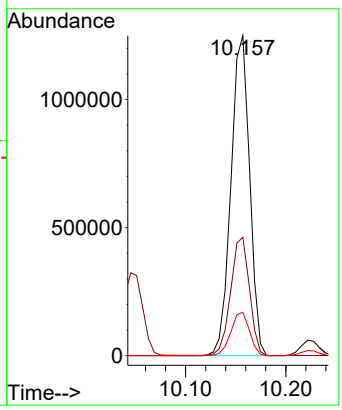




#55
Dibenzofuran
Concen: 40.827 ng
RT: 10.157 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:168 Resp: 161914

Ion	Ratio	Lower	Upper
168	100		
139	37.0	29.4	44.0
169	13.6	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
PB167798BS

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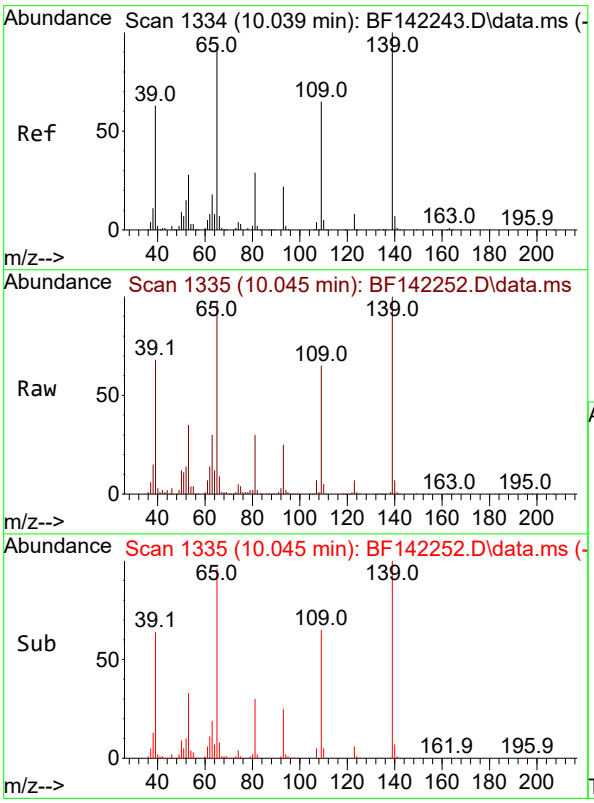
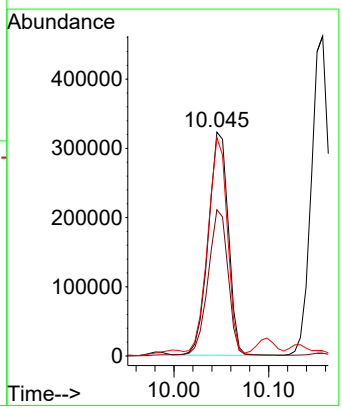
Supervised By :Jagrut Upadhyay 05/02/2025

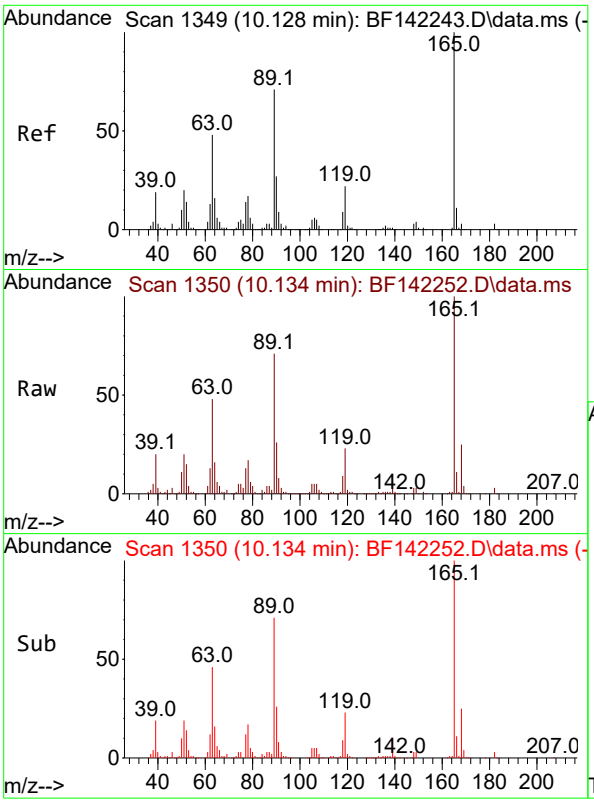


#56
4-Nitrophenol
Concen: 101.045 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:139 Resp: 471700

Ion	Ratio	Lower	Upper
139	100		
109	65.3	44.9	84.9
65	97.5	74.7	114.7

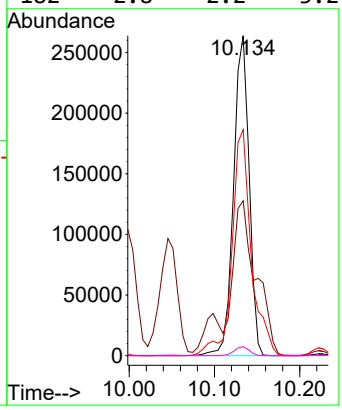




#57
2,4-Dinitrotoluene
Concen: 48.433 ng
RT: 10.134 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:165 Resp: 33433

Ion	Ratio	Lower	Upper
165	100		
63	48.4	38.8	58.2
89	70.6	57.1	85.7
182	2.8	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
PB167798BS

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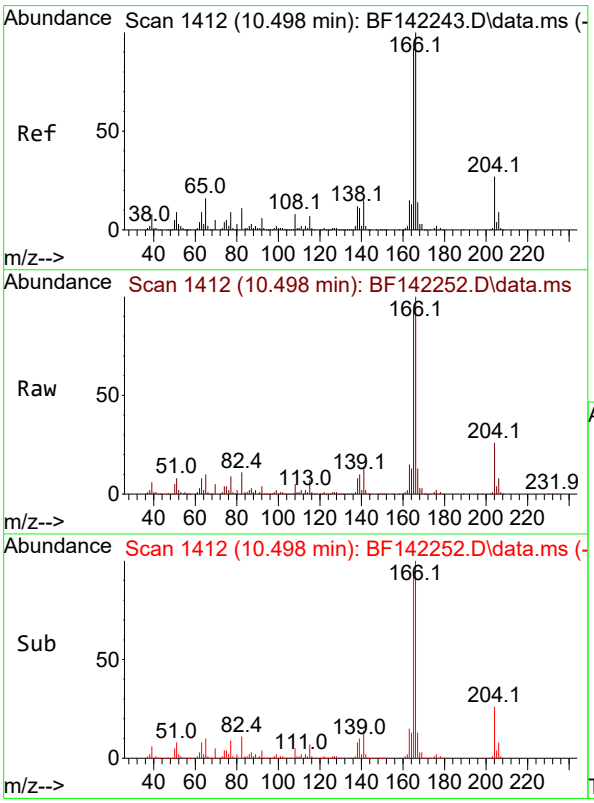
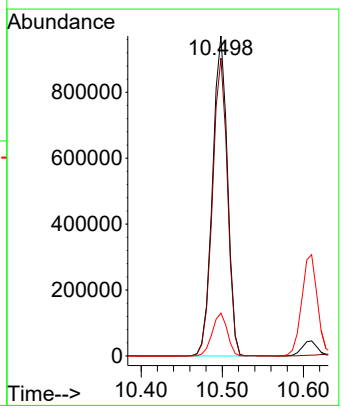
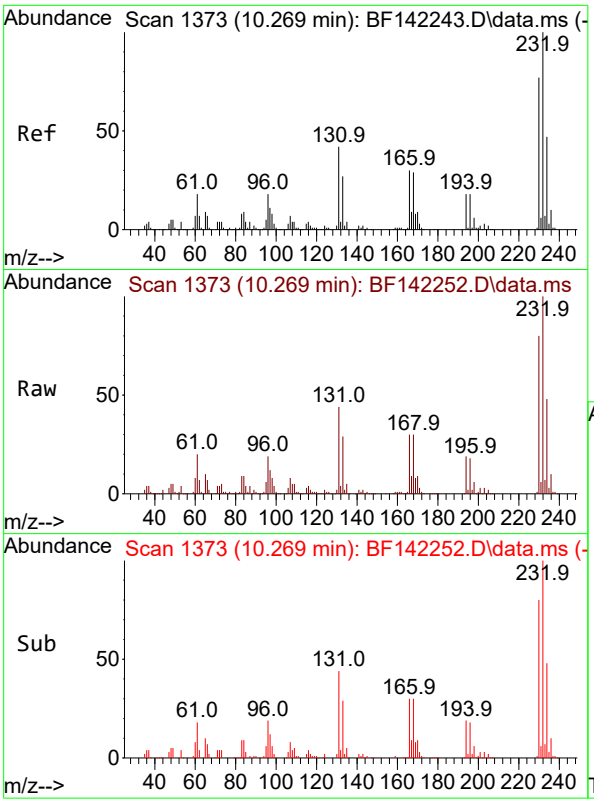


#58
Fluorene
Concen: 41.143 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:166 Resp: 1240639

Ion	Ratio	Lower	Upper
166	100		
165	93.0	73.9	110.9
167	13.4	10.8	16.2

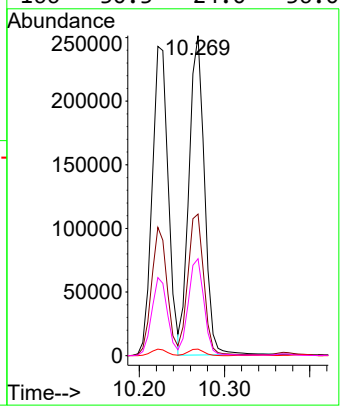




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.934 ng
RT: 10.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:232 Resp: 31682

Ion	Ratio	Lower	Upper
232	100		
131	45.9	35.9	53.9
130	2.1	1.8	2.6
166	30.3	24.0	36.0



Instrument :
BNA_F
ClientSampleId :
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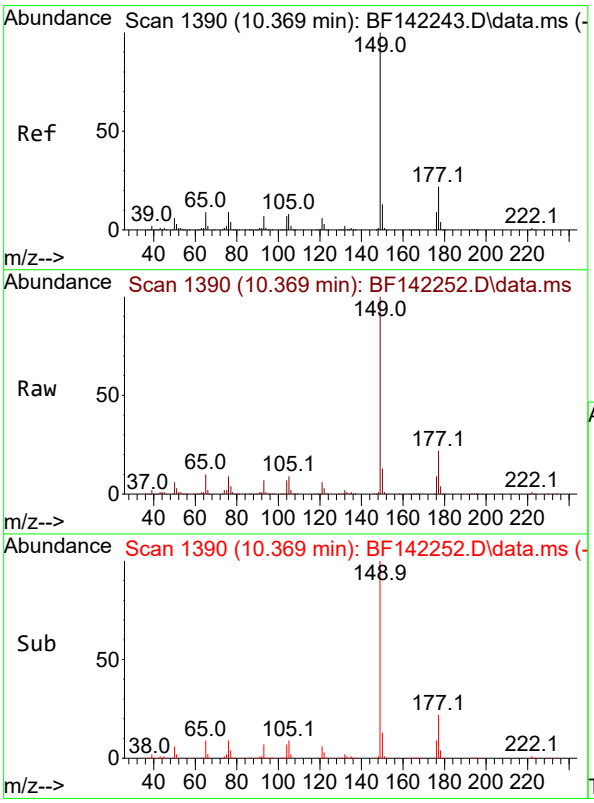
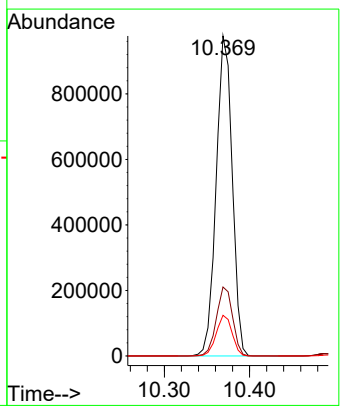
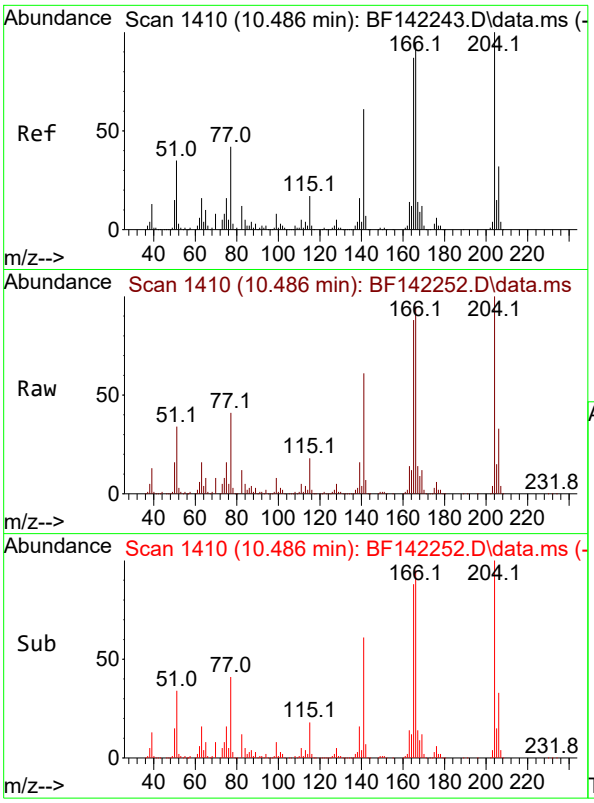


#60
Diethylphthalate
Concen: 43.657 ng
RT: 10.369 min Scan# 1390
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:149 Resp: 1280368

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.6	26.4
150	12.7	10.2	15.2





#61
4-Chlorophenyl-phenylether
Concen: 40.745 ng
RT: 10.486 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Instrument :
BNA_F
ClientSampleId :
PB167798BS

Tgt Ion:204 Resp: 58348

Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.6	38.4
141	61.4	48.9	73.3

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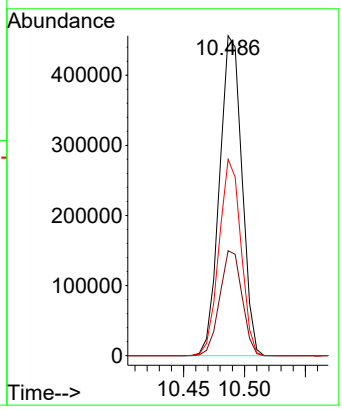
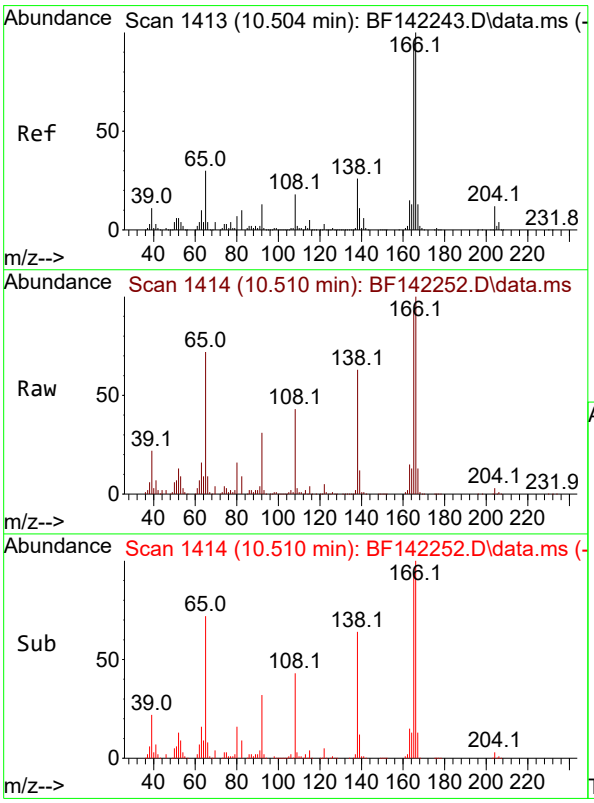
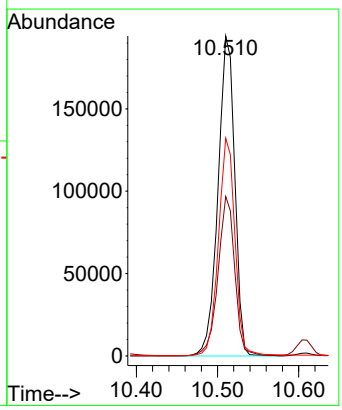


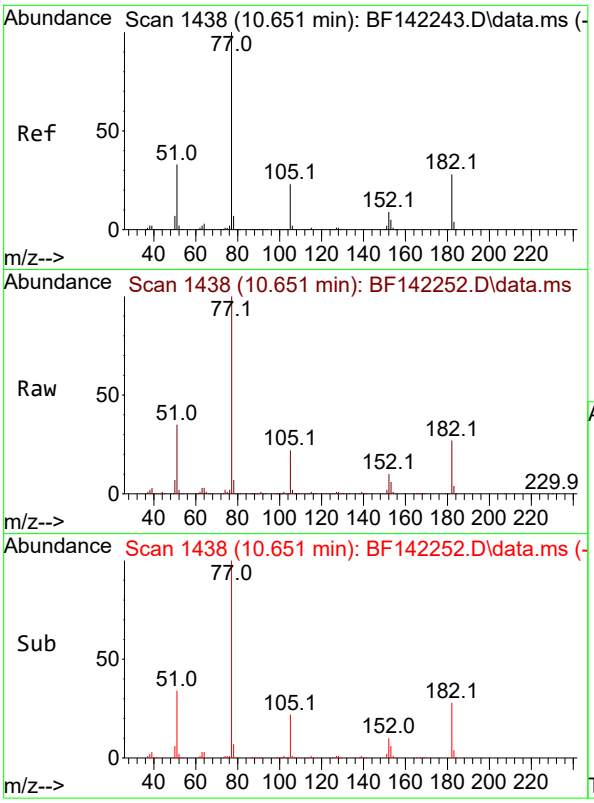


#62
4-Nitroaniline
Concen: 44.489 ng
RT: 10.510 min Scan# 1414
Delta R.T. 0.006 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:138 Resp: 278877

Ion	Ratio	Lower	Upper
138	100		
92	49.8	29.2	69.2
108	68.0	49.1	89.1





#63
Azobenzene
Concen: 42.308 ng
RT: 10.651 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Instrument :
BNA_F
ClientSampleId :
PB167798BS

Tgt Ion: 77 Resp: 122528

Ion	Ratio	Lower	Upper
77	100		
182	27.4	7.3	47.3
105	22.4	2.5	42.5
51	34.6	14.4	54.4

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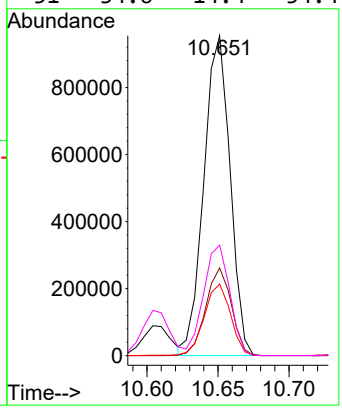
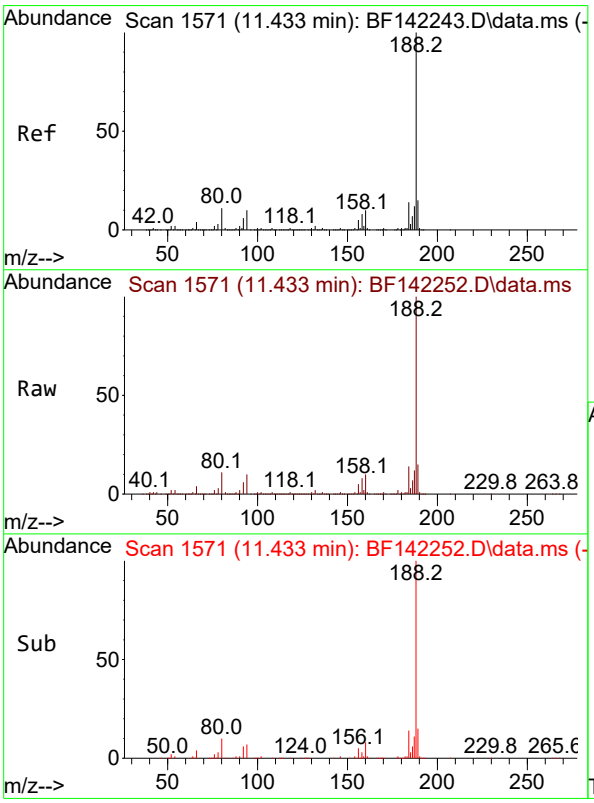
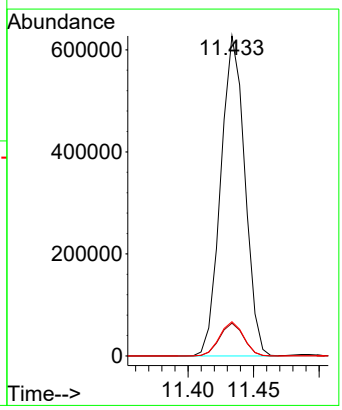


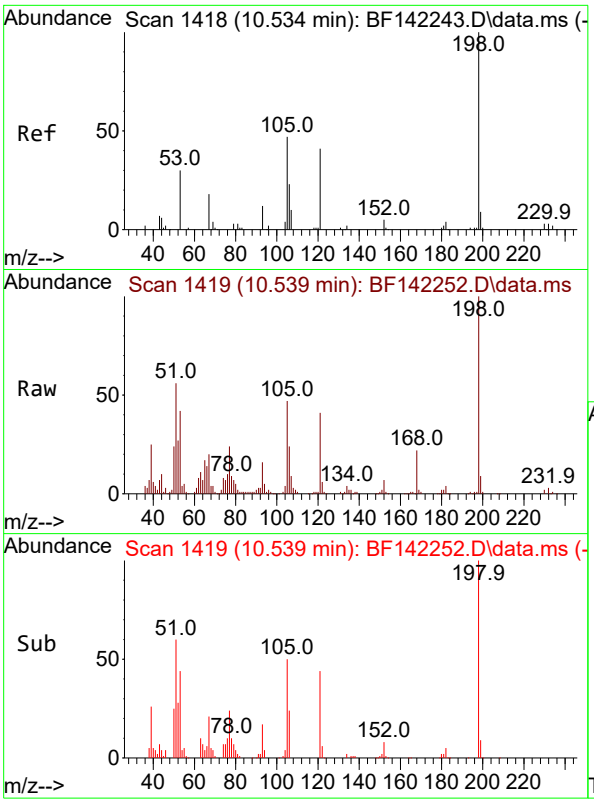


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:188 Resp: 800889

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.2	12.2
80	10.7	8.6	12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 44.424 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.005 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:198 Resp: 11452

Ion	Ratio	Lower	Upper
198	100		
51	55.8	40.6	80.6
105	46.7	29.2	69.2

Instrument :
BNA_F
ClientSampleId :
PB167798BS

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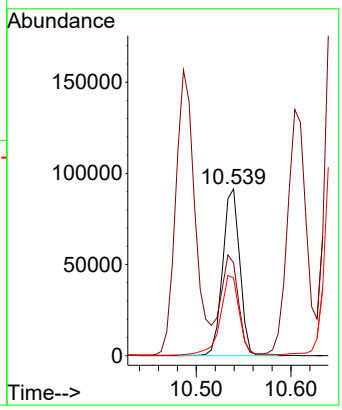
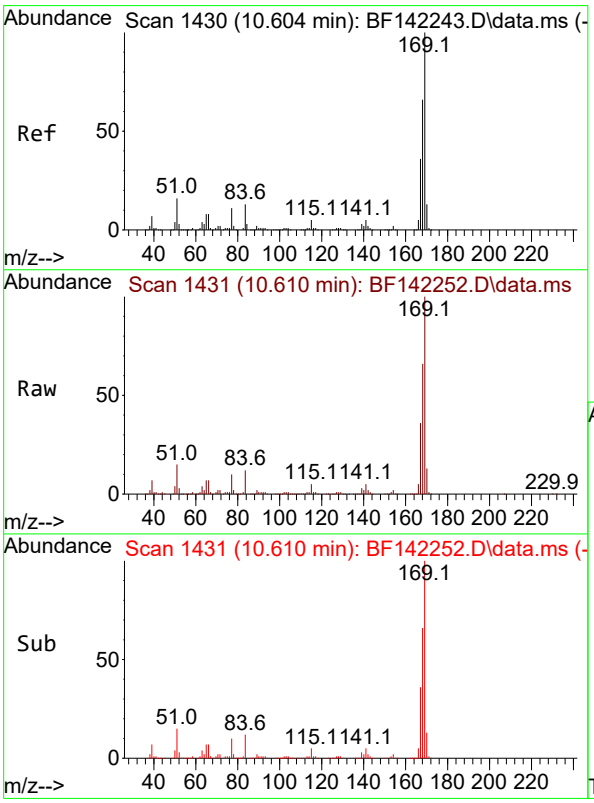
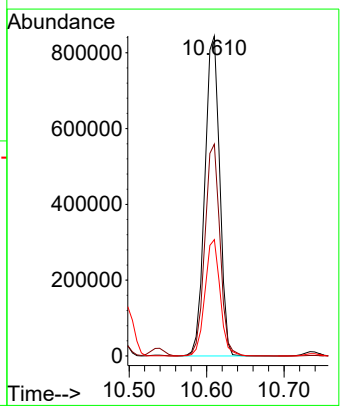


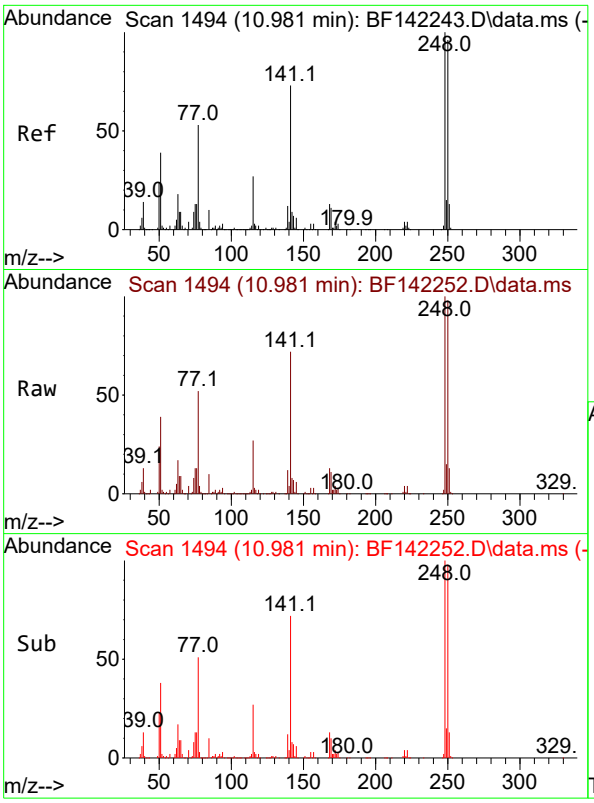


#66
n-Nitrosodiphenylamine
Concen: 40.934 ng
RT: 10.610 min Scan# 1431
Delta R.T. 0.006 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:169 Resp: 1120137

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.6
167	36.4	28.8	43.2





#67
4-Bromophenyl-phenylether
Concen: 41.981 ng
RT: 10.981 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:248 Resp: 37444

Ion	Ratio	Lower	Upper
248	100		
250	97.6	77.2	115.8
141	71.6	58.4	87.6

Instrument :
BNA_F
ClientSampleId :
PB167798BS

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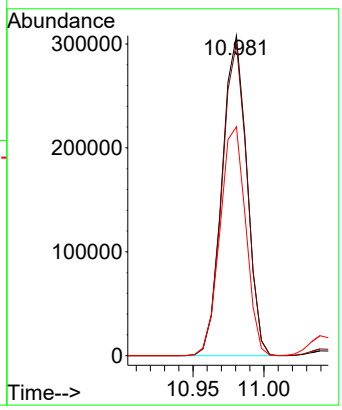
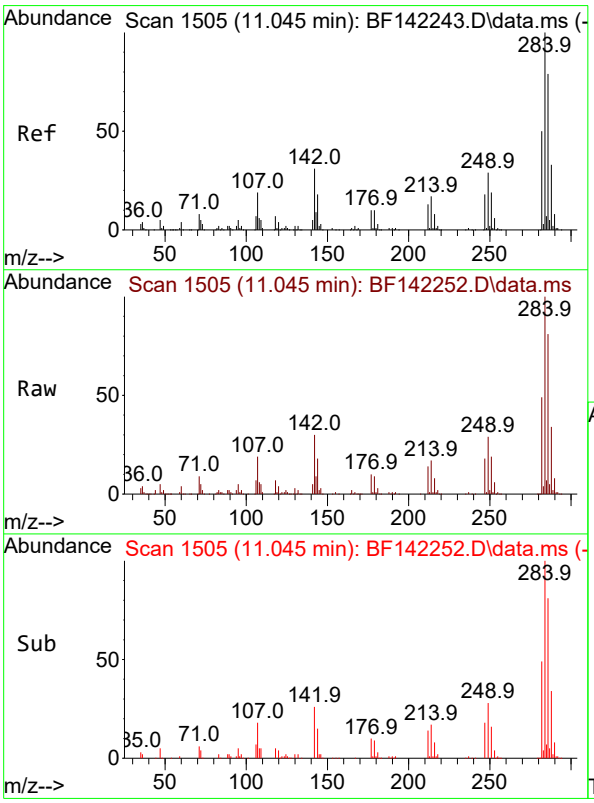
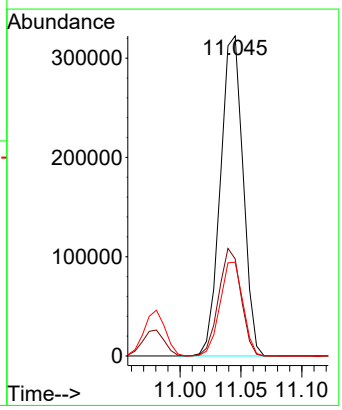


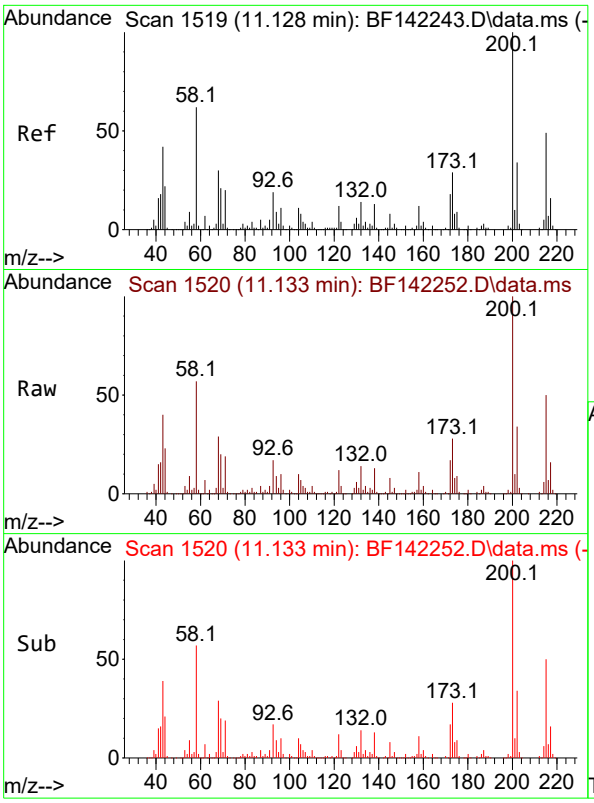


#68
Hexachlorobenzene
Concen: 41.744 ng
RT: 11.045 min Scan# 1505
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:284 Resp: 416999

Ion	Ratio	Lower	Upper
284	100		
142	30.3	24.6	37.0
249	29.3	23.2	34.8

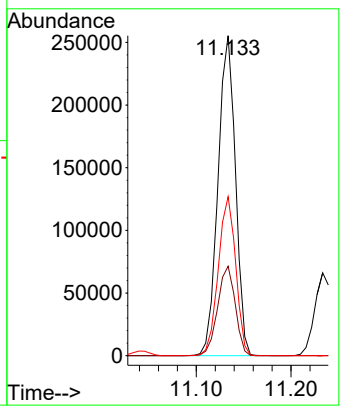




#69
Atrazine
Concen: 45.449 ng
RT: 11.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:200 Resp: 32782

Ion	Ratio	Lower	Upper
200	100		
173	28.0	8.6	48.6
215	49.7	28.5	68.5



Instrument :
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ClientSampleId :
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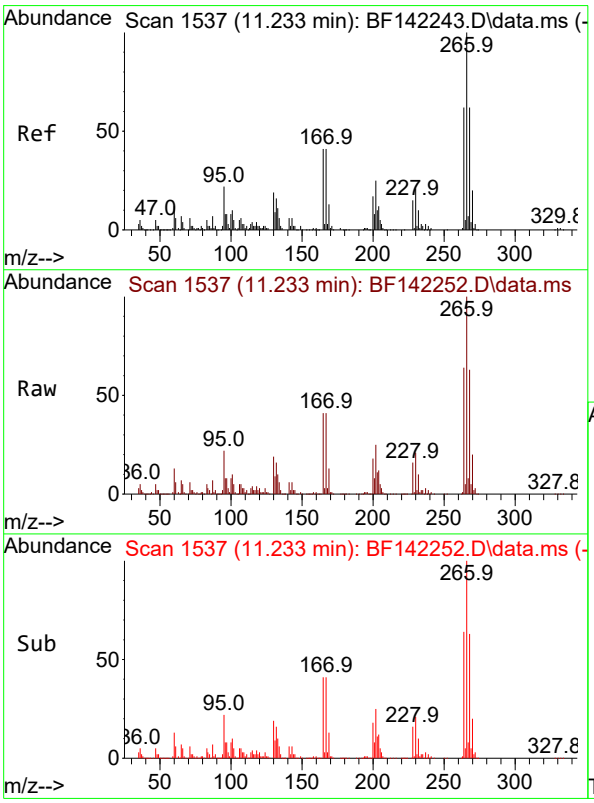
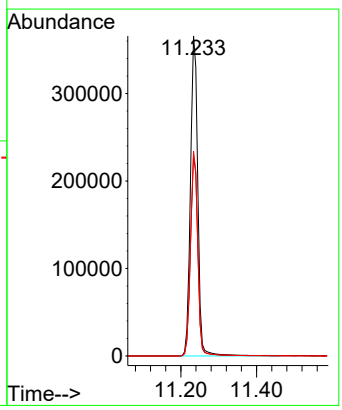
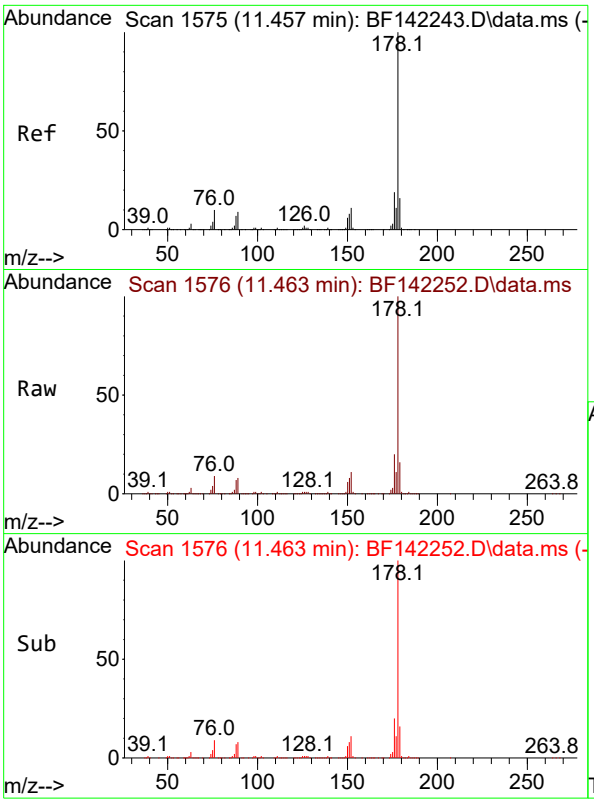


#70
Pentachlorophenol
Concen: 93.152 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:266 Resp: 491588

Ion	Ratio	Lower	Upper
266	100		
268	62.7	50.0	75.0
264	64.0	49.3	73.9

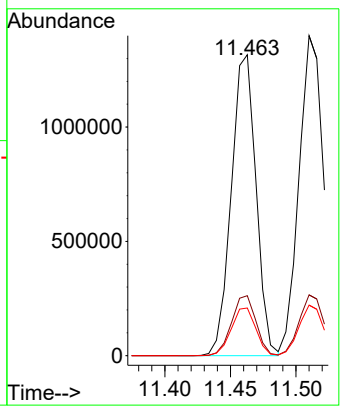




#71
Phenanthrene
Concen: 39.983 ng
RT: 11.463 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:178 Resp: 172968

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.5	23.3
179	15.8	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
PB167798BS

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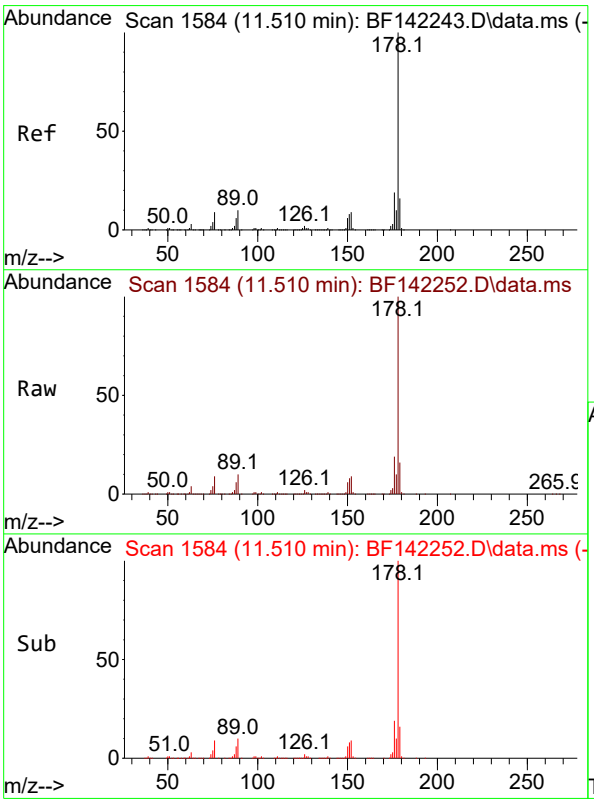
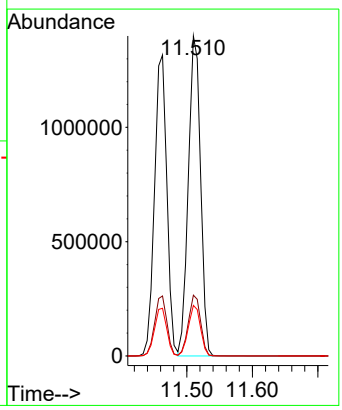
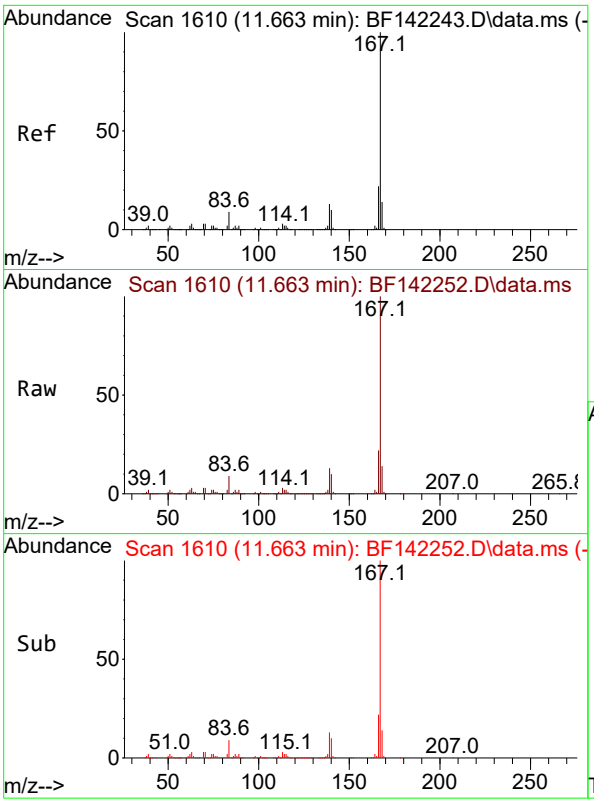


#72
Anthracene
Concen: 40.920 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:178 Resp: 1809920

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.8	12.7	19.1

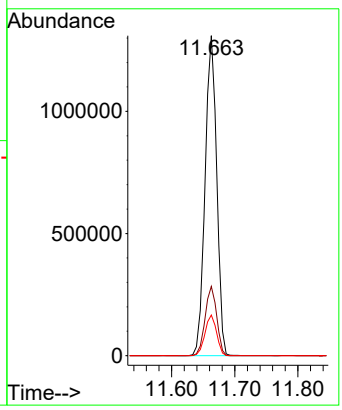




#73
Carbazole
Concen: 41.482 ng
RT: 11.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:167 Resp: 167373

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.3	25.9
139	12.7	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
PB167798BS

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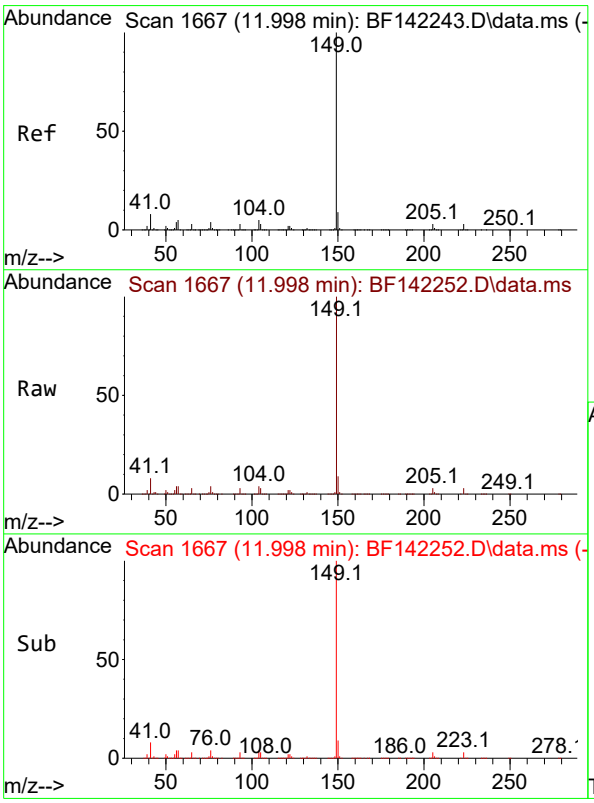
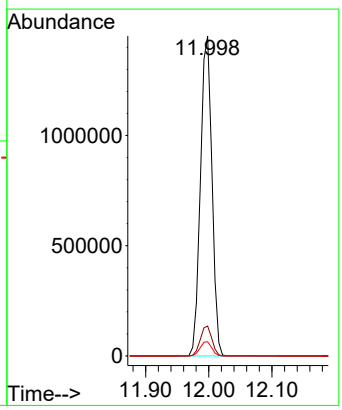
Supervised By :Jagrut Upadhyay 05/02/2025

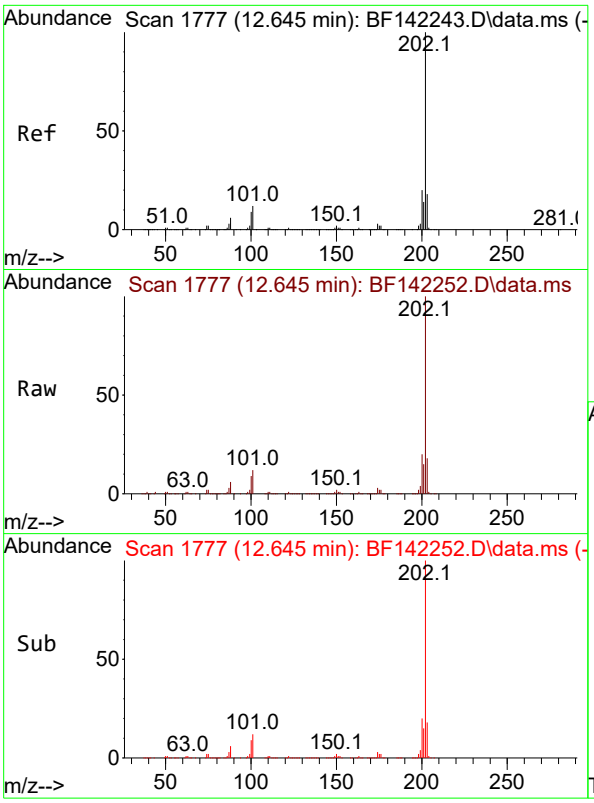


#74
Di-n-butylphthalate
Concen: 45.166 ng
RT: 11.998 min Scan# 1667
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:149 Resp: 1832830

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.5	3.6	5.4

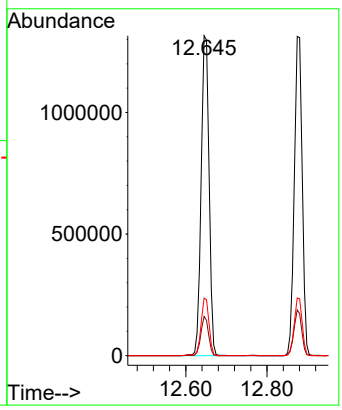




#75
Fluoranthene
Concen: 41.876 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:202 Resp: 179081

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	32.4
203	18.0	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
PB167798BS

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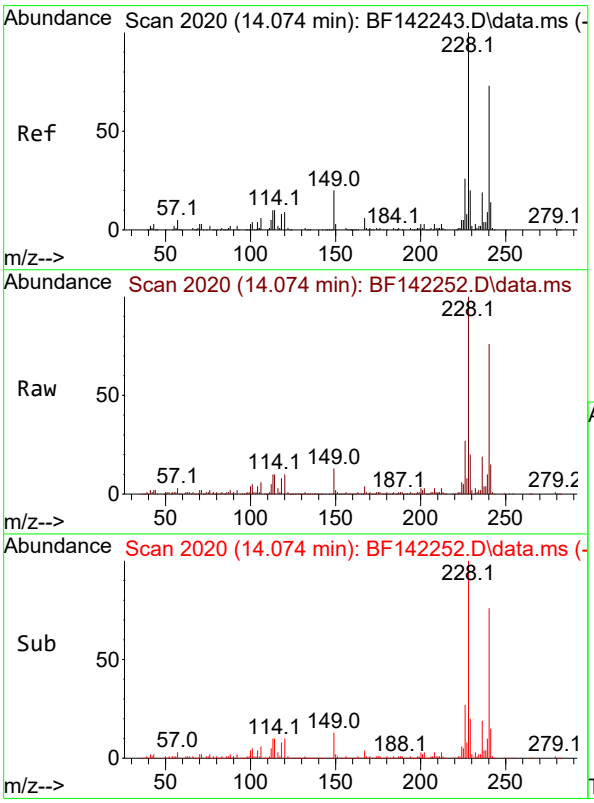
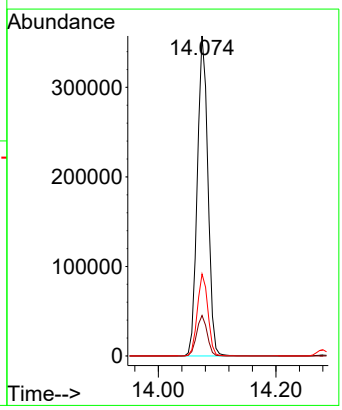
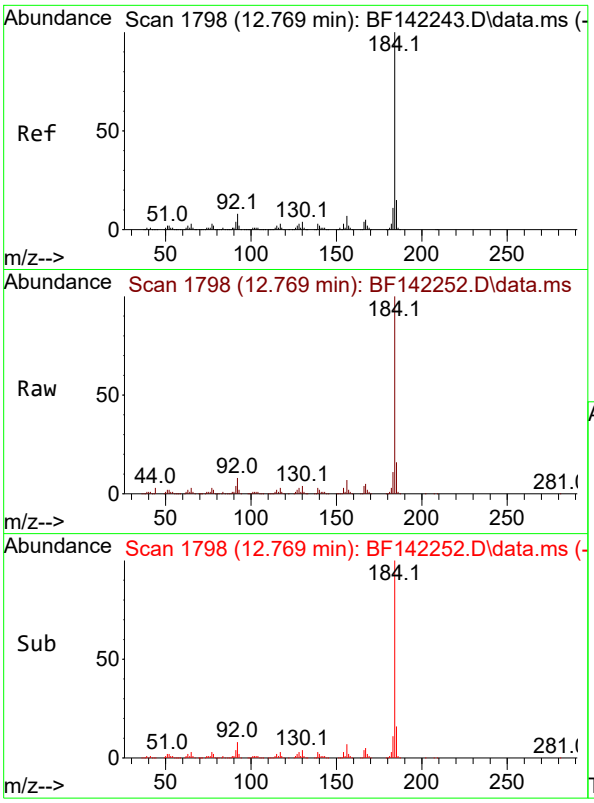


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:240 Resp: 447227

Ion	Ratio	Lower	Upper
240	100		
120	12.6	10.1	15.1
236	25.6	20.5	30.7

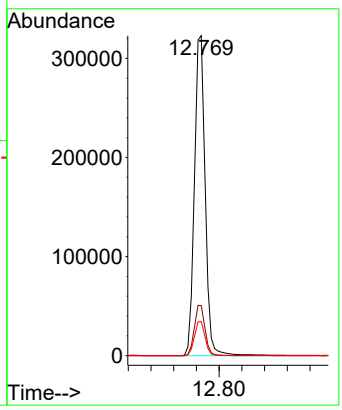




#77
Benzidine
Concen: 22.492 ng
RT: 12.769 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:184 Resp: 42742

Ion	Ratio	Lower	Upper
184	100		
185	15.6	11.8	17.6
183	10.7	8.9	13.3



Instrument :
BNA_F
ClientSampleId :
PB167798BS

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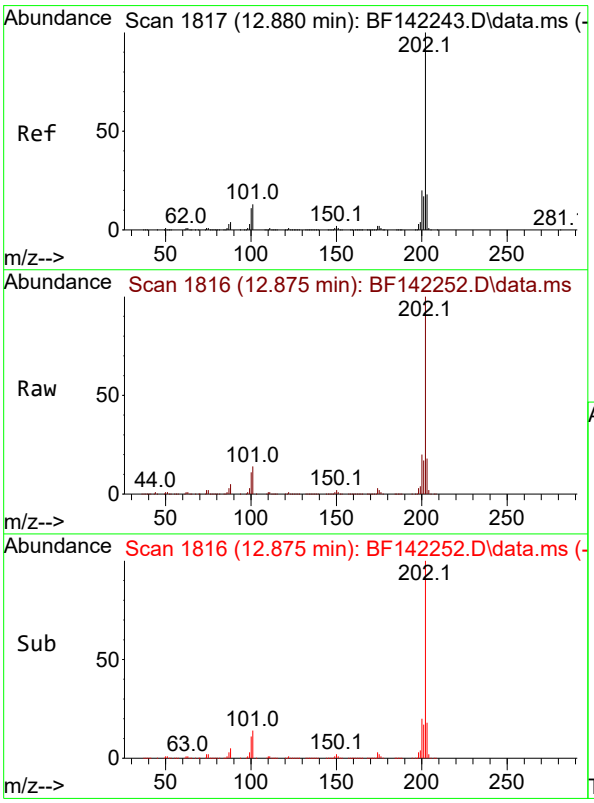
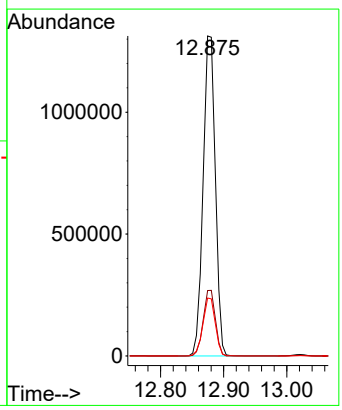
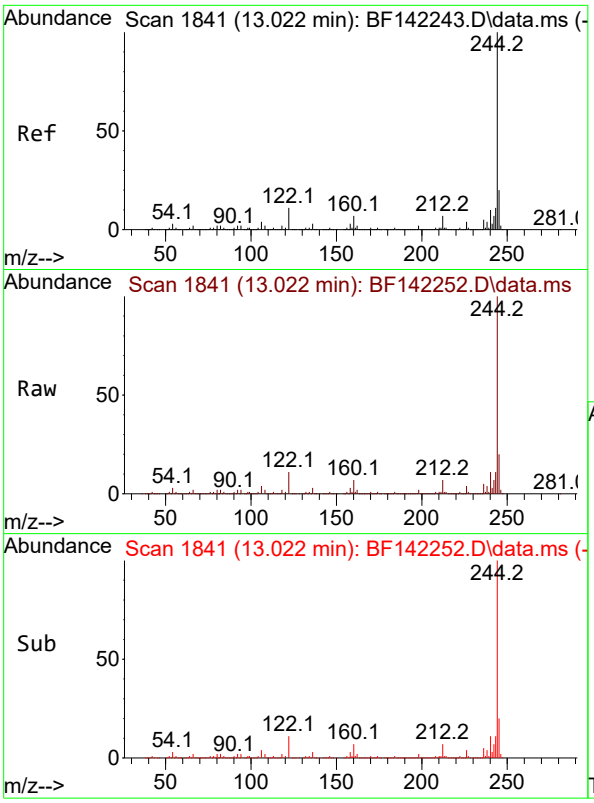


#78
Pyrene
Concen: 42.897 ng
RT: 12.875 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:202 Resp: 1769704

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.1	24.1
203	18.1	14.1	21.1

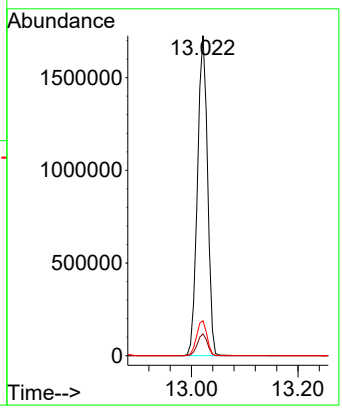




#79
Terphenyl-d14
Concen: 73.507 ng
RT: 13.022 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:244 Resp: 226033

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.3	7.9
122	10.9	9.1	13.7



Instrument :
BNA_F
ClientSampleId :
PB167798BS

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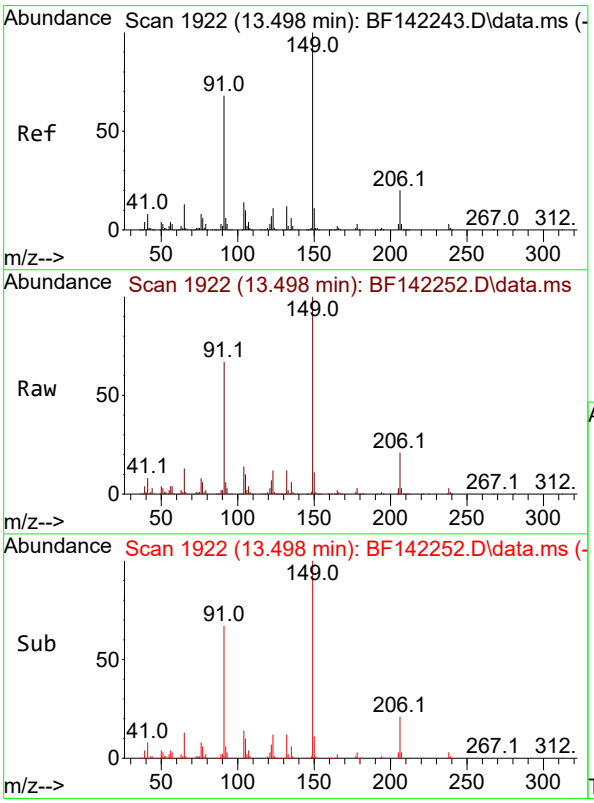
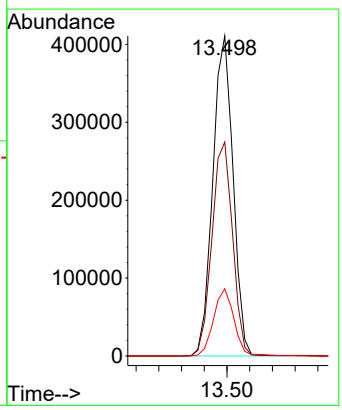
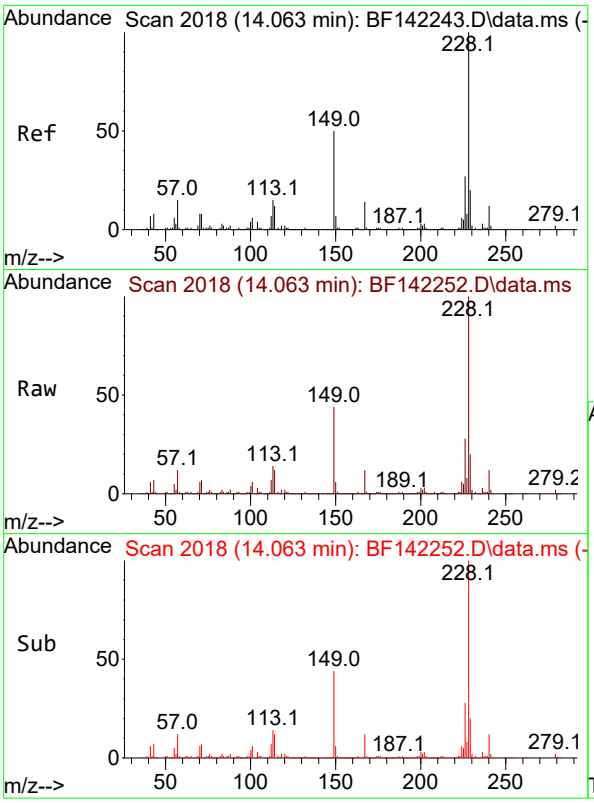


#80
Butylbenzylphthalate
Concen: 45.305 ng
RT: 13.498 min Scan# 1922
Delta R.T. 0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:149 Resp: 508489

Ion	Ratio	Lower	Upper
149	100		
91	66.9	54.4	81.6
206	21.0	15.9	23.9

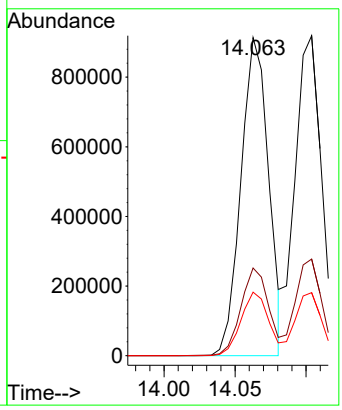




#81
Benzo(a)anthracene
Concen: 41.178 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:228 Resp: 123629

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.9	32.9
229	20.0	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
PB167798BS

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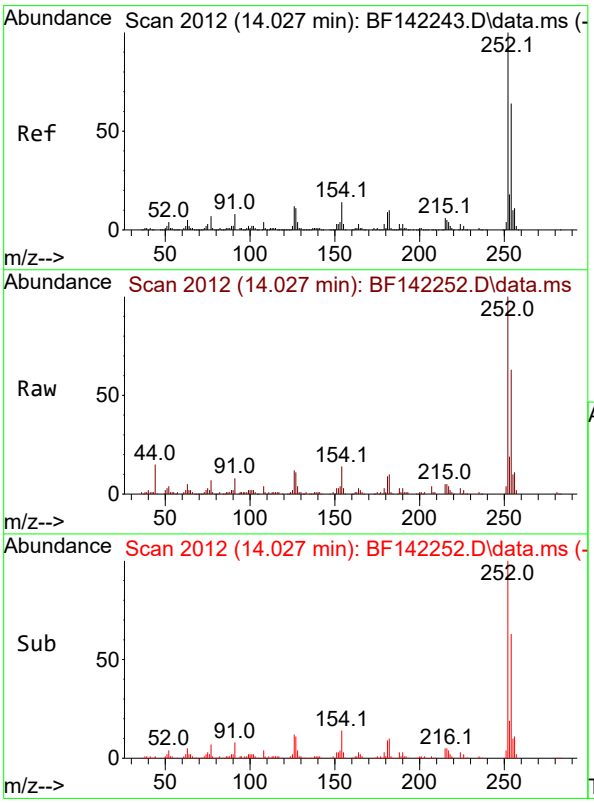
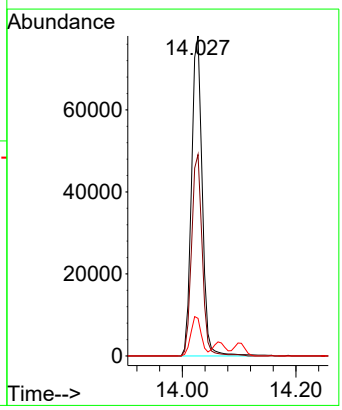
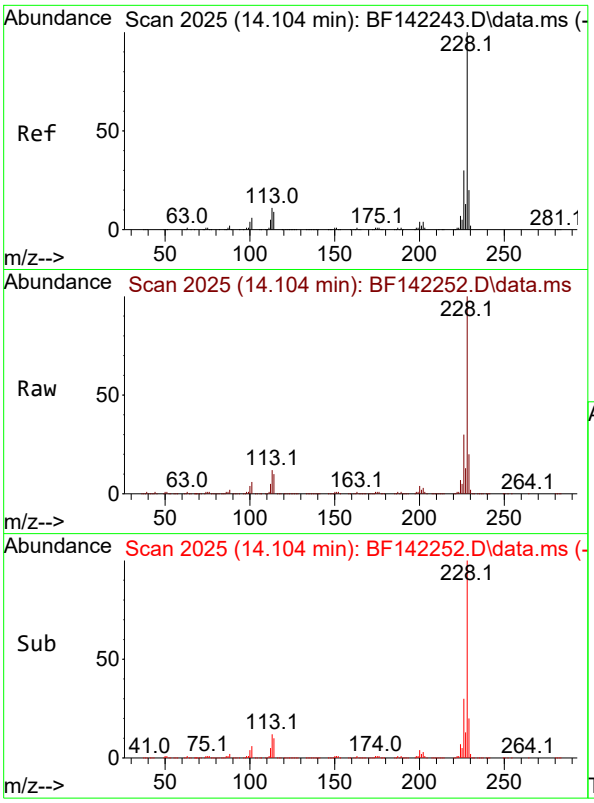


#82
3,3'-Dichlorobenzidine
Concen: 11.657 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:252 Resp: 102802

Ion	Ratio	Lower	Upper
252	100		
254	63.0	51.0	76.6
126	11.7	9.4	14.2

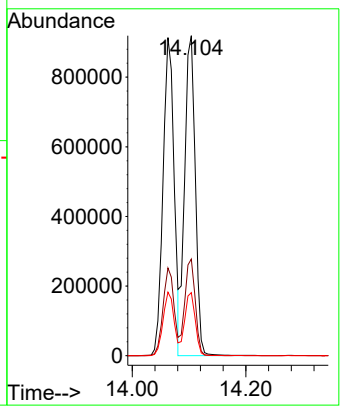




#83
Chrysene
Concen: 43.597 ng
RT: 14.104 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:228 Resp: 119146

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	19.7	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
PB167798BS

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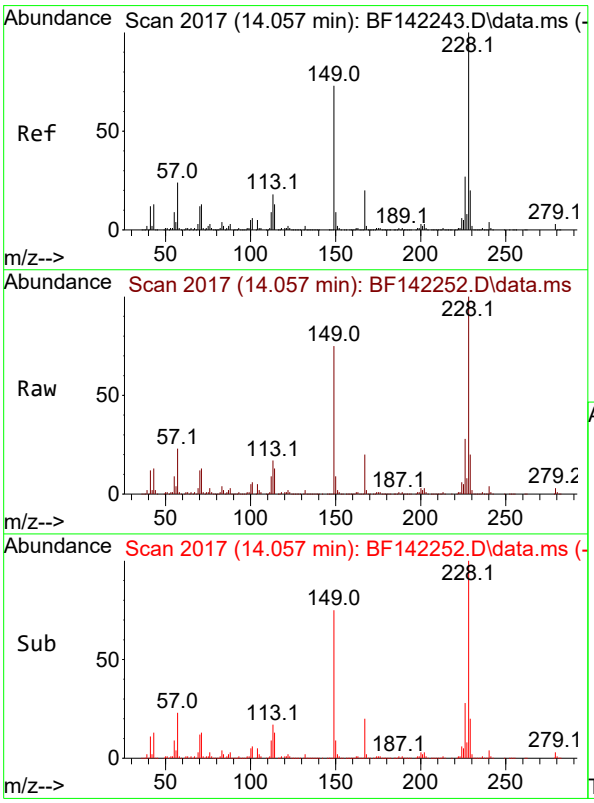
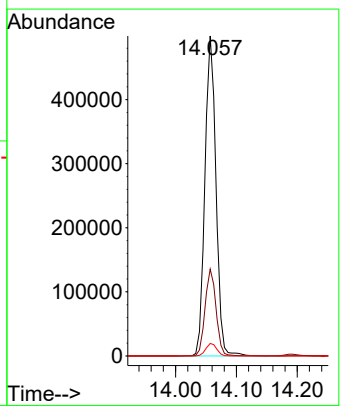
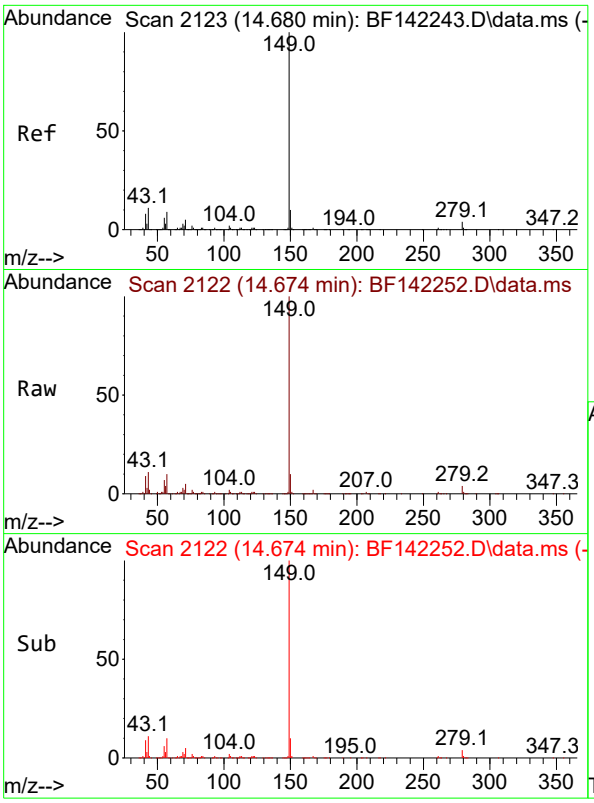


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.842 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:149 Resp: 629446

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.7	32.5
279	3.9	3.0	4.4

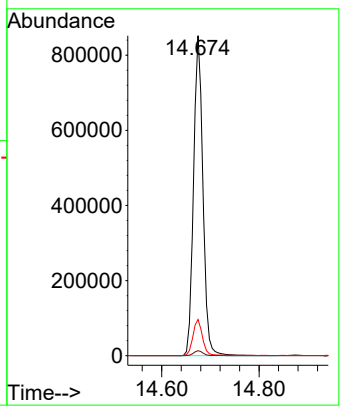




#85
Di-n-octyl phthalate
Concen: 41.045 ng
RT: 14.674 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:149 Resp: 114673

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.1	1.7
43	11.4	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
PB167798BS

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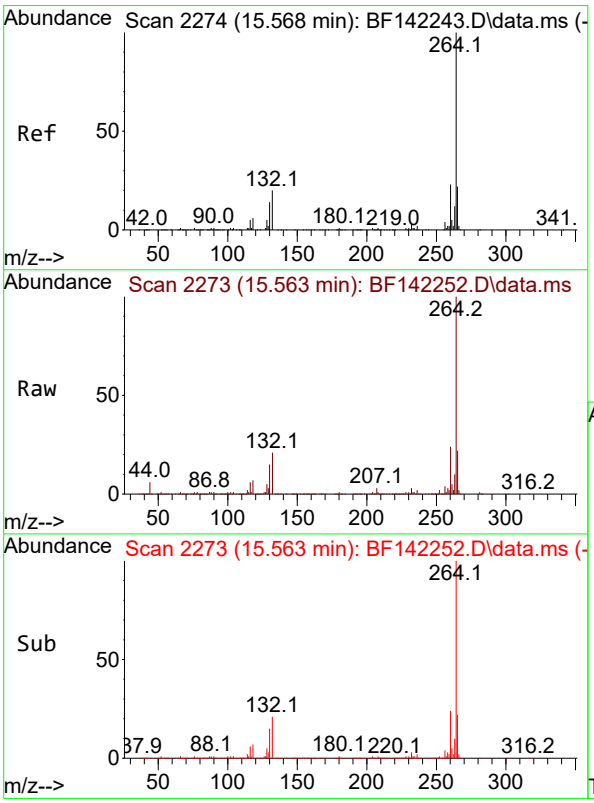
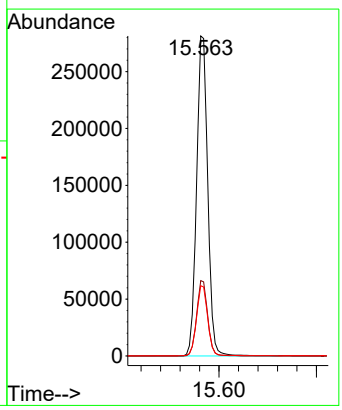
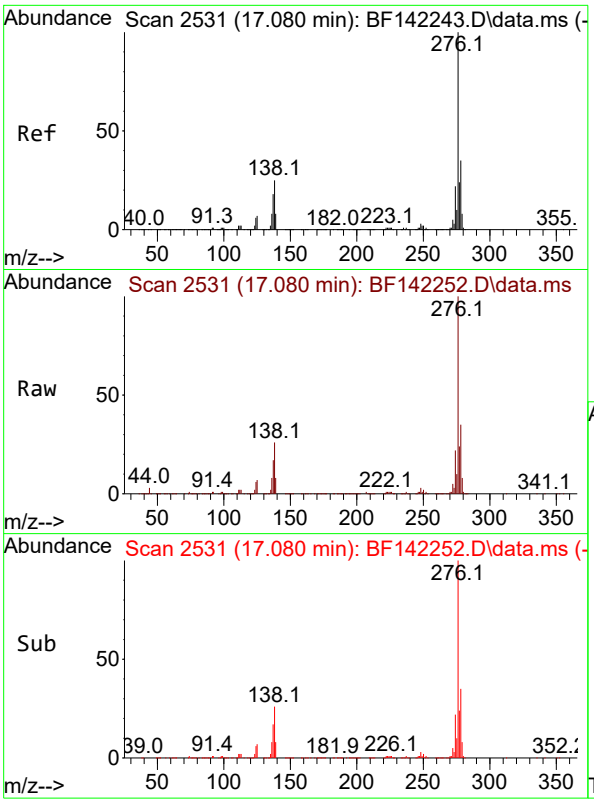


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:264 Resp: 448663

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.4	27.6
265	21.9	17.3	25.9

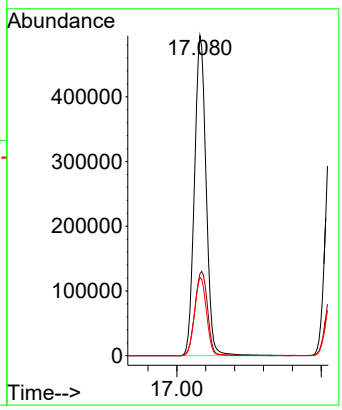




#87
Indeno(1,2,3-cd)pyrene
Concen: 42.153 ng
RT: 17.080 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:276 Resp: 138529

Ion	Ratio	Lower	Upper
276	100		
138	28.6	22.6	33.8
277	25.1	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
PB167798BS

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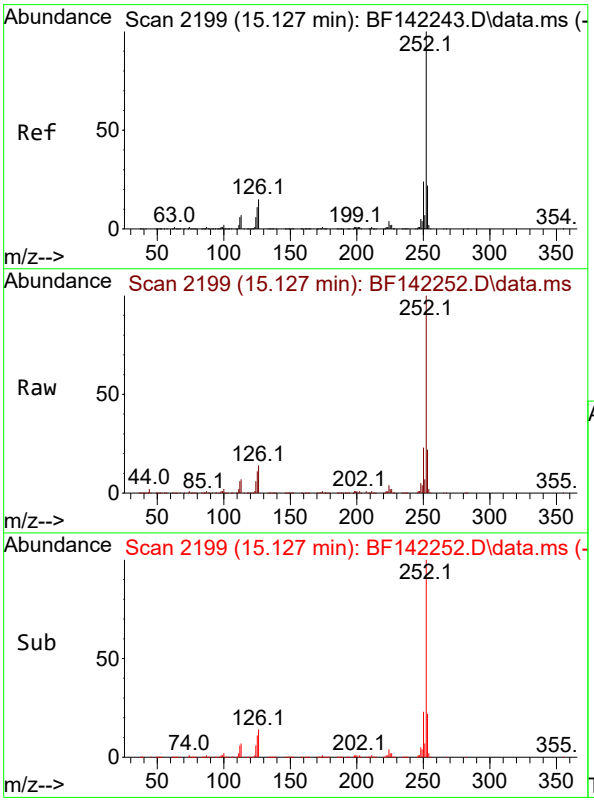
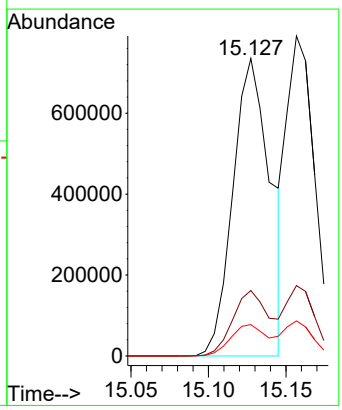
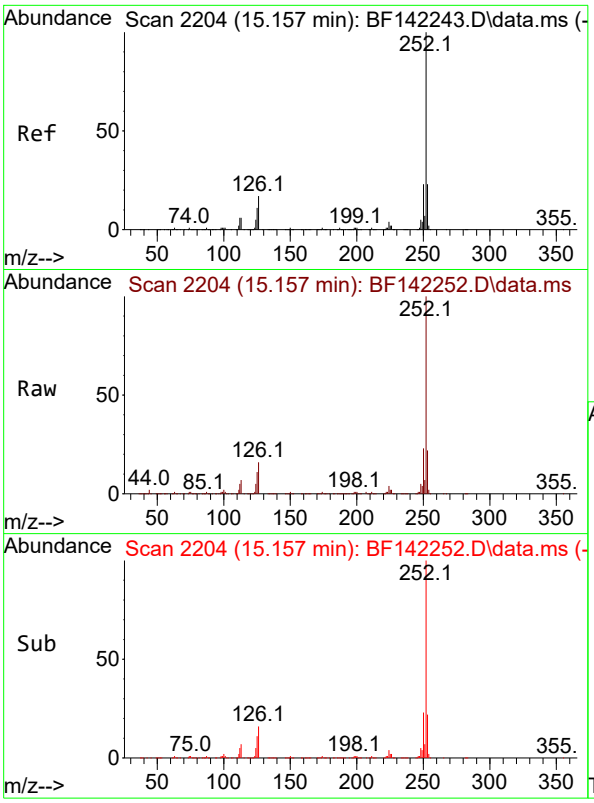


#88
Benzo(b)fluoranthene
Concen: 44.141 ng
RT: 15.127 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:252 Resp: 1230162

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	10.6	9.0	13.4

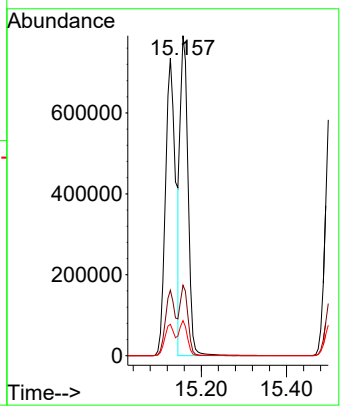




#89
Benzo(k)fluoranthene
Concen: 39.692 ng
RT: 15.157 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:252 Resp: 101179

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	10.9	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
PB167798BS

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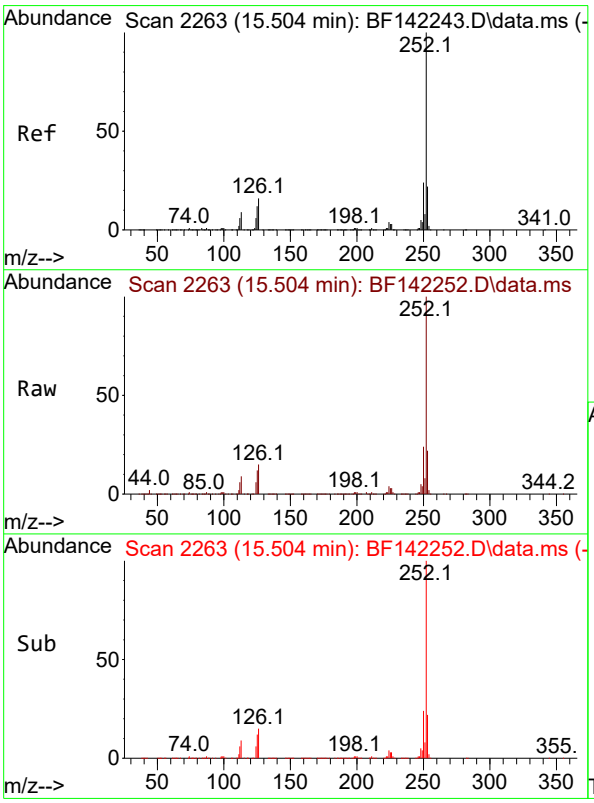
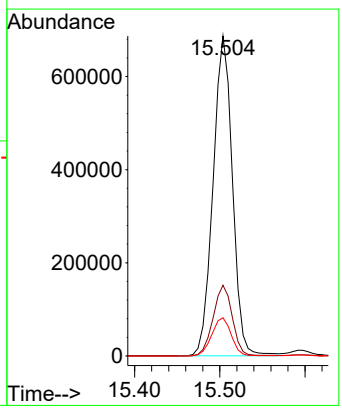
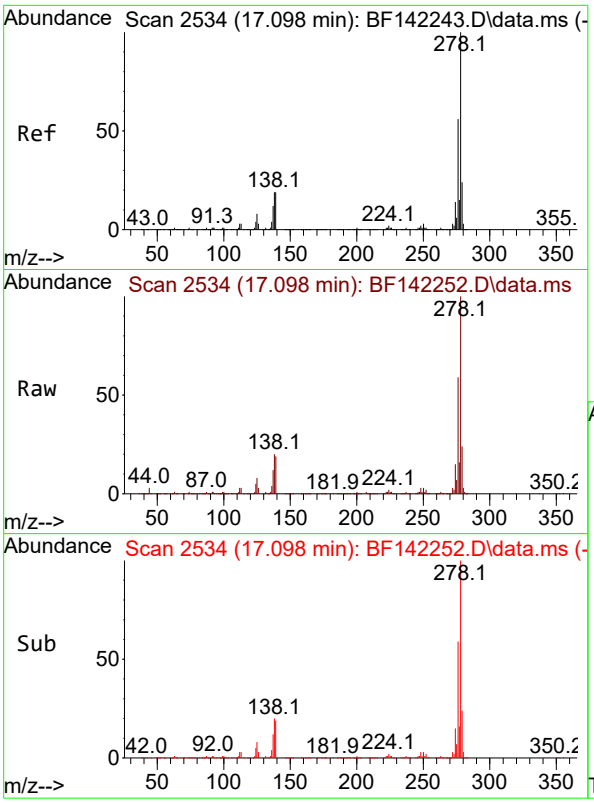


#90
Benzo(a)pyrene
Concen: 42.542 ng
RT: 15.504 min Scan# 2263
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:252 Resp: 1085464

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	12.0	9.5	14.3

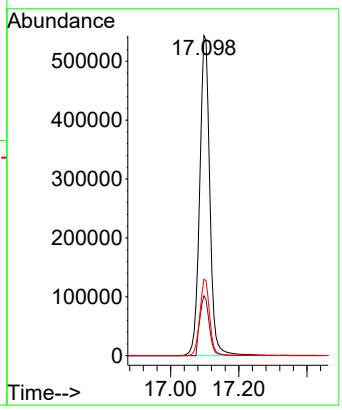




#91
Dibenzo(a,h)anthracene
Concen: 42.272 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:278 Resp: 112747

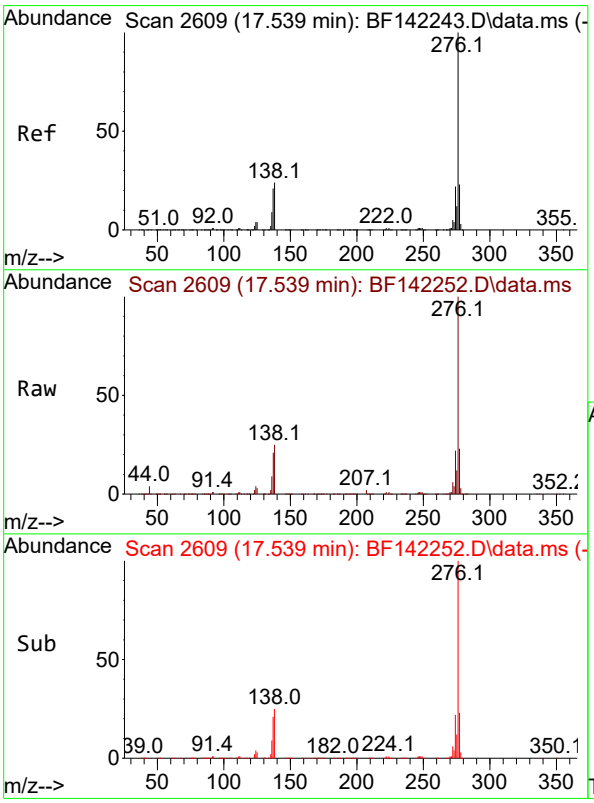
Ion	Ratio	Lower	Upper
278	100		
139	18.8	15.2	22.8
279	23.9	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
PB167798BS

Manual Integrations
APPROVED

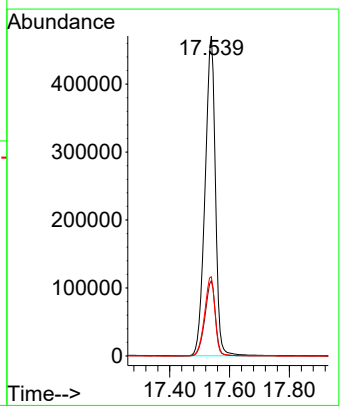
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#92
Benzo(g,h,i)perylene
Concen: 41.996 ng
RT: 17.539 min Scan# 2609
Delta R.T. -0.000 min
Lab File: BF142252.D
Acq: 01 May 2025 11:13

Tgt Ion:276 Resp: 1126050

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.7	28.1
138	24.7	19.4	29.0



Raw Data: **BF142253.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:	PB167798BSD	SDG No.:	Q1901
Lab Sample ID:	PB167798BSD	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
BF142253.D	1	04/30/25 08:35	05/01/25 11:42	PB167798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	24.3		3.90	10.0	ug/L
108-95-2	Phenol	40.3		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	40.2		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	42.5		0.58	5.00	ug/L
95-48-7	2-Methylphenol	41.8		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	41.0		1.30	5.00	ug/L
98-86-2	Acetophenone	39.7		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	41.3		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	40.6		1.40	2.50	ug/L
67-72-1	Hexachloroethane	41.3		0.65	5.00	ug/L
98-95-3	Nitrobenzene	45.3		0.76	5.00	ug/L
78-59-1	Isophorone	41.1		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	46.3		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	42.5		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41.0		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	43.3		0.52	5.00	ug/L
91-20-3	Naphthalene	39.8		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	9.00		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	41.1		0.54	5.00	ug/L
105-60-2	Caprolactam	46.4		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	43.4		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	40.2		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	89.1	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	45.2		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	44.8		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	40.3		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	40.5		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	45.4		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	42.7		0.61	5.00	ug/L

Raw Data: **BF142253.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:	PB167798BSD	SDG No.:	Q1901
Lab Sample ID:	PB167798BSD	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
BF142253.D	1	04/30/25 08:35	05/01/25 11:42	PB167798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	40.8		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	45.6		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	22.4		1.10	5.00	ug/L
83-32-9	Acenaphthene	44.0		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	91.6	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	100	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	40.7		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	49.3		1.20	5.00	ug/L
84-66-2	Diethylphthalate	43.2		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	41.3		0.68	5.00	ug/L
86-73-7	Fluorene	40.7		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	45.3		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	48.7		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	41.3		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	42.4		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	42.2		0.52	5.00	ug/L
1912-24-9	Atrazine	47.1		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	94.7	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	40.7		0.50	5.00	ug/L
120-12-7	Anthracene	41.3		0.61	5.00	ug/L
86-74-8	Carbazole	42.1		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	45.2		1.20	5.00	ug/L
206-44-0	Fluoranthene	41.8		0.82	5.00	ug/L
129-00-0	Pyrene	43.0		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	45.7		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	14.2		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	41.3		0.45	5.00	ug/L
218-01-9	Chrysene	43.0		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	40.6		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	41.5		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	39.3		0.49	5.00	ug/L

Raw Data: **BF142253.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:	PB167798BSD	SDG No.:	Q1901
Lab Sample ID:	PB167798BSD	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
BF142253.D	1	04/30/25 08:35	05/01/25 11:42	PB167798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	44.5		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	42.6		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	42.8		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	43.0		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	43.1		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39.5		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	33.5		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	46.2		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	108		15 (10) - 110 (139)	72%	SPK: 150
13127-88-3	Phenol-d6	110		15 (10) - 110 (134)	74%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.3		30 (49) - 130 (133)	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.2		30 (52) - 130 (132)	68%	SPK: 100
118-79-6	2,4,6-Tribromophenol	130		15 (44) - 110 (137)	87%	SPK: 150
1718-51-0	Terphenyl-d14	73.8		30 (48) - 130 (125)	74%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	229000	6.91			
1146-65-2	Naphthalene-d8	896000	8.192			
15067-26-2	Acenaphthene-d10	472000	9.945			
1517-22-2	Phenanthrene-d10	796000	11.433			
1719-03-5	Chrysene-d12	445000	14.074			
1520-96-3	Perylene-d12	442000	15.563			

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: **BF142253.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142253.D
Acq On : 01 May 2025 11:42
Operator : RC/JU
Sample : PB167798BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 12:24:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB167798BSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	228844	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	895505	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	472033	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	796412	20.000	ng	0.00
76) Chrysene-d12	14.074	240	445019	20.000	ng	0.00
86) Perylene-d12	15.563	264	441873	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1544251	107.770	ng	0.01
7) Phenol-d6	6.528	99	1910888	110.435	ng	0.00
23) Nitrobenzene-d5	7.469	82	1094804	80.319	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	558926	129.885	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	2284570	68.240	ng	0.00
79) Terphenyl-d14	13.022	244	2257765	73.788	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.799	88	214363	33.497	ng	99
3) Pyridine	3.546	79	604462	36.343	ng	100
4) n-Nitrosodimethylamine	3.499	42	350276	40.697	ng	99
6) Aniline	6.569	93	664275	27.123	ng	99
8) 2-Chlorophenol	6.693	128	628695	42.460	ng	99
9) Benzaldehyde	6.457	77	294023	24.312	ng	99
10) Phenol	6.545	94	750967m	40.313	ng	
11) bis(2-Chloroethyl)ether	6.645	93	580502	40.214	ng	99
12) 1,3-Dichlorobenzene	6.851	146	662064	39.525	ng	100
13) 1,4-Dichlorobenzene	6.928	146	661045	39.170	ng	100
14) 1,2-Dichlorobenzene	7.081	146	646447	40.124	ng	99
15) Benzyl Alcohol	7.045	79	522603	42.584	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.181	45	1068395	40.987	ng	99
17) 2-Methylphenol	7.151	107	506643	41.769	ng	99
18) Hexachloroethane	7.422	117	227904	41.260	ng	97
19) n-Nitroso-di-n-propyla...	7.322	70	433820	40.572	ng	99
20) 3+4-Methylphenols	7.304	107	625731	41.251	ng	94
22) Acetophenone	7.316	105	822300	39.692	ng	100
24) Nitrobenzene	7.492	77	605776	45.294	ng	98
25) Isophorone	7.728	82	1175652	41.096	ng	100
26) 2-Nitrophenol	7.804	139	258365	46.327	ng	98
27) 2,4-Dimethylphenol	7.840	122	612593	42.472	ng	99
28) bis(2-Chloroethoxy)met...	7.940	93	740492	41.043	ng	99
29) 2,4-Dichlorophenol	8.040	162	521645	43.259	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	546079	40.582	ng	99
31) Naphthalene	8.216	128	1778327	39.820	ng	100
32) Benzoic acid	7.951	122	331051m	48.183	ng	
33) 4-Chloroaniline	8.251	127	168046	9.036	ng	99
34) Hexachlorobutadiene	8.328	225	322773	41.113	ng	99
35) Caprolactam	8.622	113	168204m	46.407	ng	
36) 4-Chloro-3-methylphenol	8.734	107	537952	43.445	ng	98
37) 2-Methylnaphthalene	8.904	142	1104930	40.241	ng	100
38) 1-Methylnaphthalene	9.004	142	1150453	40.445	ng	100
40) 1,2,4,5-Tetrachloroben...	9.069	216	524934	39.515	ng	99
41) Hexachlorocyclopentadiene	9.057	237	671988	89.128	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	372452	45.244	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142253.D
Acq On : 01 May 2025 11:42
Operator : RC/JU
Sample : PB167798BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 12:24:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB167798BSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	387830	44.810	ng		98
46) 1,1'-Biphenyl	9.369	154	1480347	40.340	ng		100
47) 2-Chloronaphthalene	9.392	162	1105087	40.476	ng		99
48) 2-Nitroaniline	9.486	65	324508	45.363	ng		98
49) Acenaphthylene	9.810	152	1879452	40.794	ng		100
50) Dimethylphthalate	9.669	163	1290455	42.733	ng		100
51) 2,6-Dinitrotoluene	9.728	165	262585	45.558	ng		100
52) Acenaphthene	9.981	154	1183957	44.012	ng		99
53) 3-Nitroaniline	9.892	138	144830	22.378	ng		98
54) 2,4-Dinitrophenol	9.998	184	199878	91.584	ng	#	17
55) Dibenzofuran	10.157	168	1639725	40.663	ng		100
56) 4-Nitrophenol	10.045	139	489174	103.057	ng		98
57) 2,4-Dinitrotoluene	10.134	165	346883	49.318	ng		99
58) Fluorene	10.498	166	1248146	40.708	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.269	232	331140	46.189	ng		100
60) Diethylphthalate	10.369	149	1287411	43.172	ng		100
61) 4-Chlorophenyl-phenyle...	10.486	204	601502	41.309	ng		99
62) 4-Nitroaniline	10.510	138	288950	45.282	ng		99
63) Azobenzene	10.651	77	1233889	41.902	ng		100
65) 4,6-Dinitro-2-methylph...	10.539	198	128388	48.731	ng		94
66) n-Nitrosodiphenylamine	10.610	169	1124320	41.318	ng		99
67) 4-Bromophenyl-phenylether	10.980	248	376385	42.436	ng		99
68) Hexachlorobenzene	11.045	284	419316	42.212	ng		99
69) Atrazine	11.133	200	337532	47.058	ng		99
70) Pentachlorophenol	11.233	266	496901	94.688	ng		98
71) Phenanthrene	11.463	178	1750559	40.693	ng		99
72) Anthracene	11.510	178	1816790	41.306	ng		100
73) Carbazole	11.663	167	1689119	42.099	ng		100
74) Di-n-butylphthalate	11.998	149	1825873	45.248	ng		100
75) Fluoranthene	12.645	202	1777492	41.799	ng		99
77) Benzidine	12.769	184	483783	25.584	ng		98
78) Pyrene	12.880	202	1763648	42.962	ng		99
80) Butylbenzylphthalate	13.498	149	510891	45.709	ng		99
81) Benzo(a)anthracene	14.063	228	1233563	41.291	ng		100
82) 3,3'-Dichlorobenzidine	14.027	252	124446	14.182	ng		99
83) Chrysene	14.104	228	1170165	43.030	ng		100
84) Bis(2-ethylhexyl)phtha...	14.057	149	622700	40.625	ng		100
85) Di-n-octyl phthalate	14.674	149	1156711	41.525	ng		100
87) Indeno(1,2,3-cd)pyrene	17.080	276	1384791	42.786	ng		100
88) Benzo(b)fluoranthene	15.127	252	1077406	39.254	ng		99
89) Benzo(k)fluoranthene	15.157	252	1118010	44.533	ng		99
90) Benzo(a)pyrene	15.504	252	1070836	42.614	ng		100
91) Dibenzo(a,h)anthracene	17.098	278	1128281	42.952	ng		99
92) Benzo(g,h,i)perylene	17.533	276	1137552	43.077	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142253.D
Acq On : 01 May 2025 11:42
Operator : RC/JU
Sample : PB167798BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 12:24:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB167798BSD

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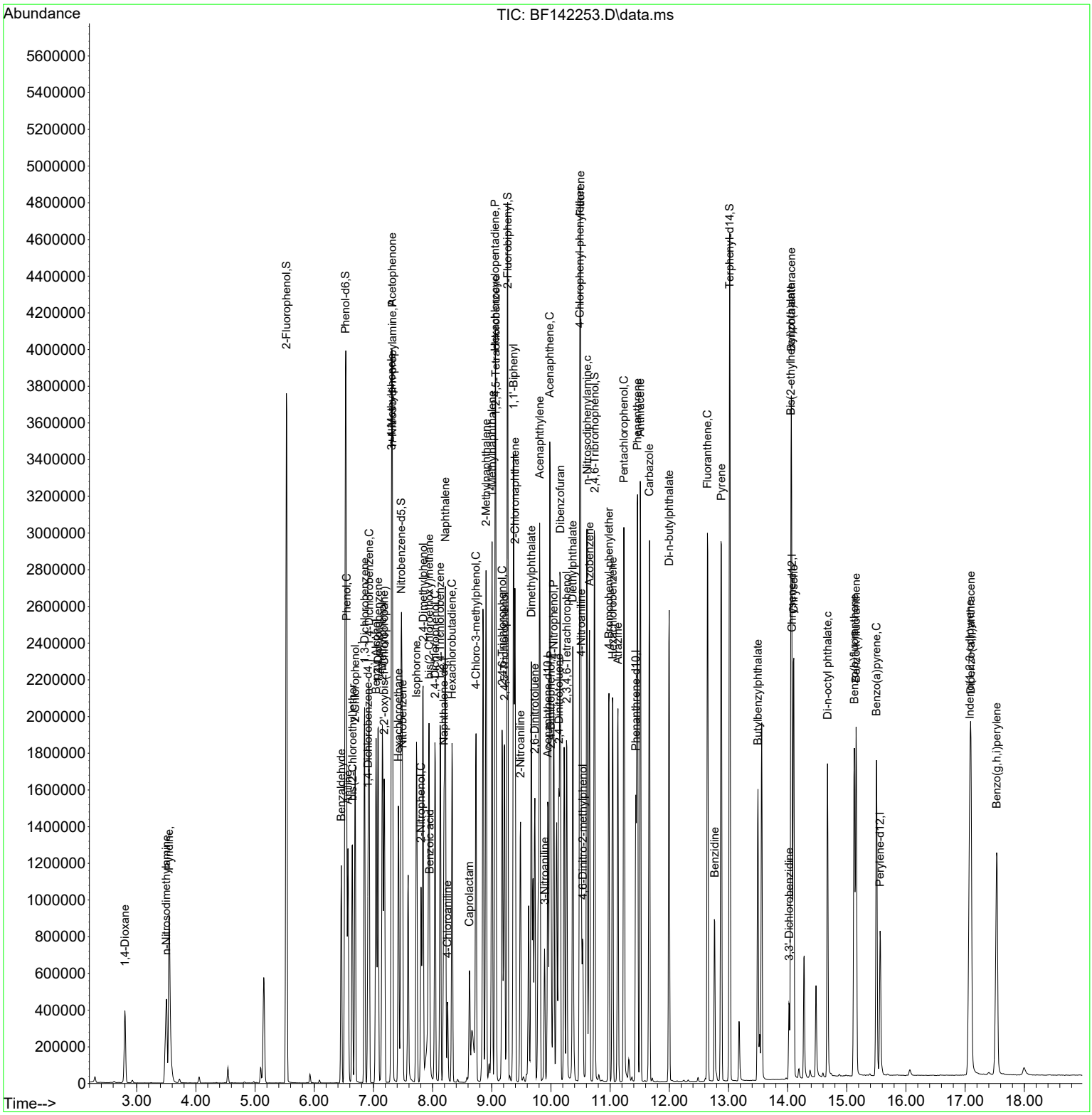
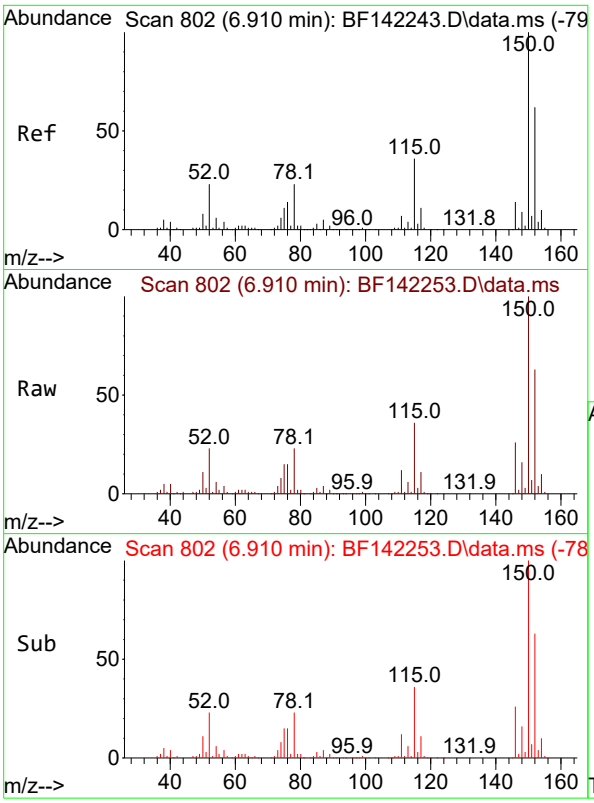
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

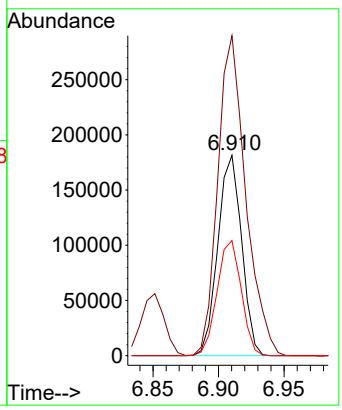




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:152 Resp: 22884

Ion	Ratio	Lower	Upper
152	100		
150	159.7	130.2	195.2
115	57.4	47.0	70.4



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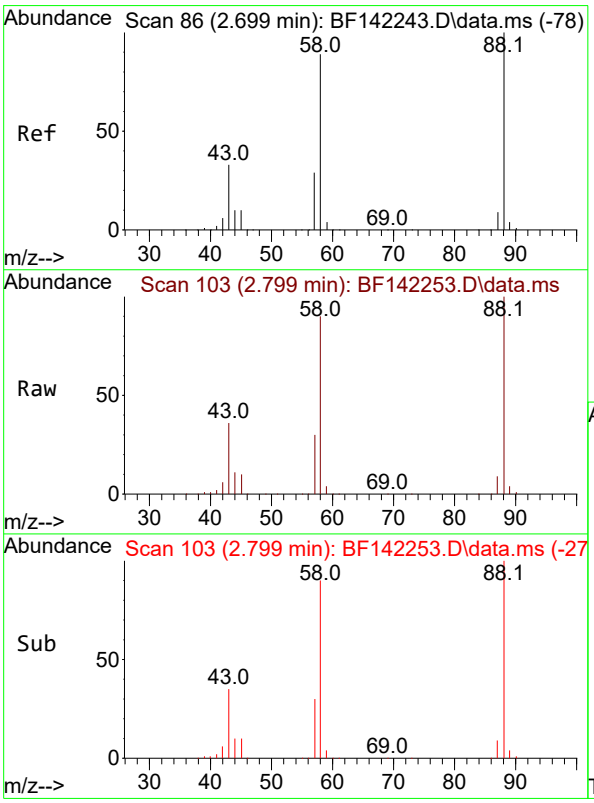
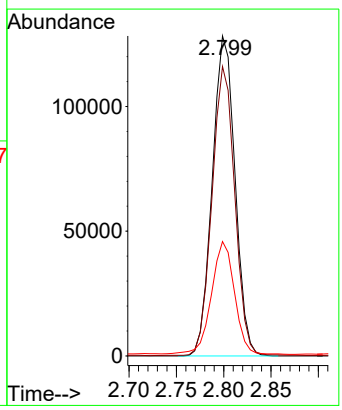
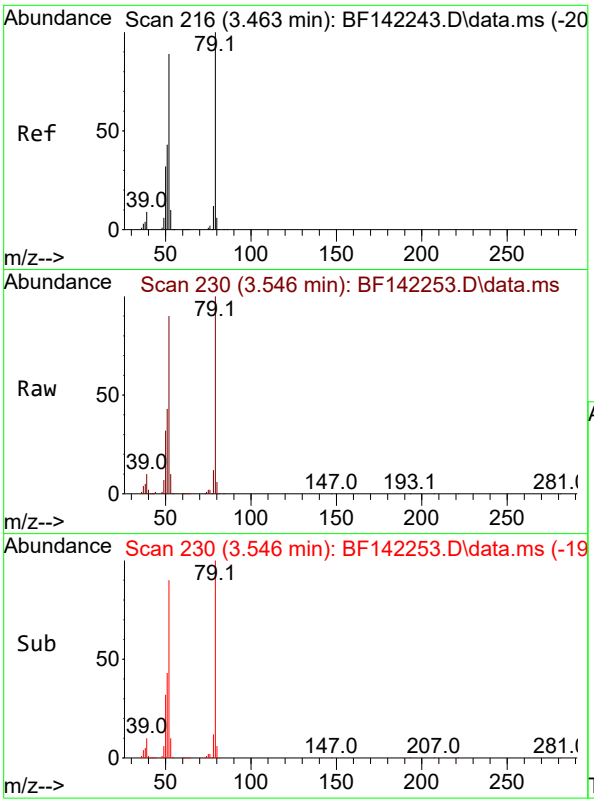


#2
1,4-Dioxane
Concen: 33.497 ng
RT: 2.799 min Scan# 103
Delta R.T. 0.100 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion: 88 Resp: 214363

Ion	Ratio	Lower	Upper
88	100		
58	90.5	72.2	108.2
43	35.9	27.0	40.6

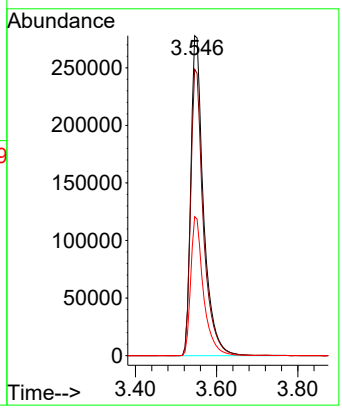




#3
Pyridine
Concen: 36.343 ng
RT: 3.546 min Scan# 2
Delta R.T. 0.082 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion: 79 Resp: 60446

Ion	Ratio	Lower	Upper
79	100		
52	89.5	71.5	107.3
51	43.4	34.5	51.7



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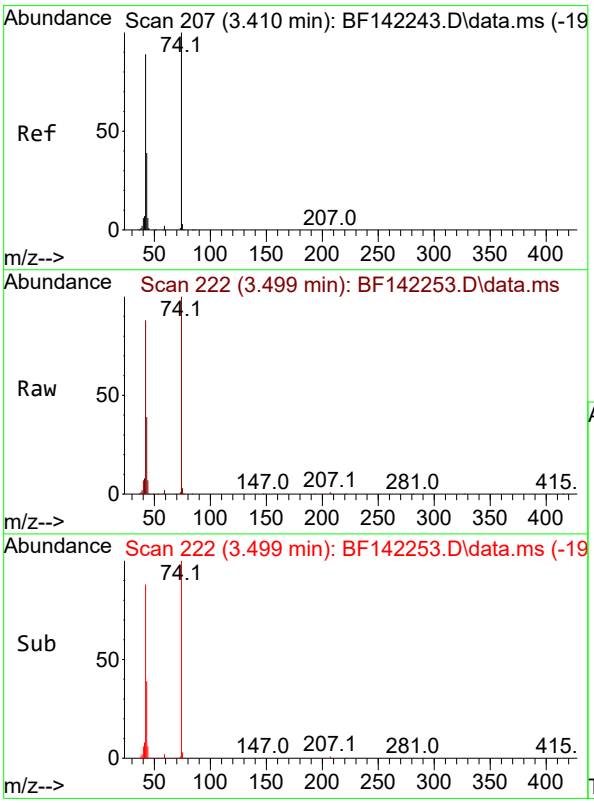
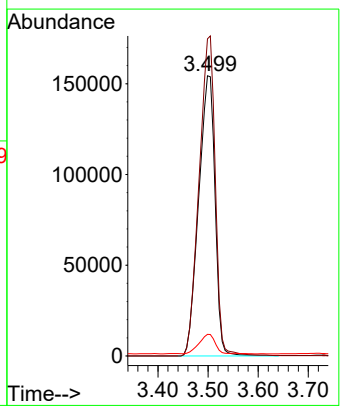
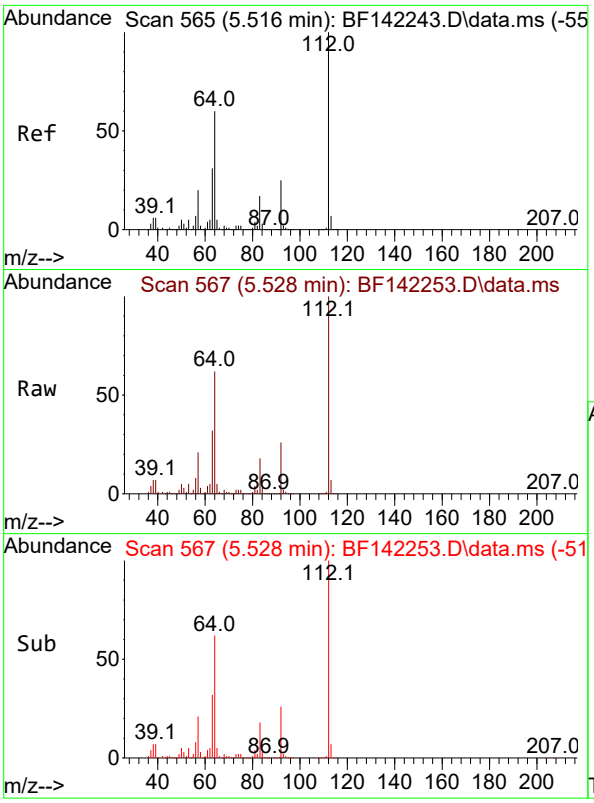


#4
n-Nitrosodimethylamine
Concen: 40.697 ng
RT: 3.499 min Scan# 222
Delta R.T. 0.088 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion: 42 Resp: 350276

Ion	Ratio	Lower	Upper
42	100		
74	113.2	89.5	134.3
44	7.7	6.6	9.8

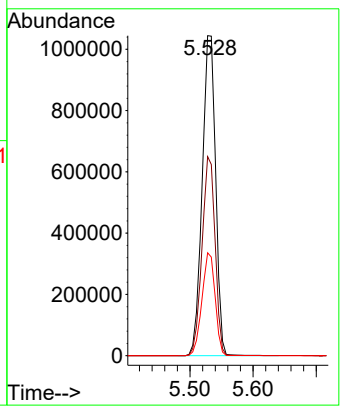




#5
2-Fluorophenol
Concen: 107.770 ng
RT: 5.528 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:112 Resp: 154425

Ion	Ratio	Lower	Upper
112	100		
64	62.2	48.4	72.6
63	32.2	24.8	37.2



Instrument :
BNA_F
ClientSampleId :
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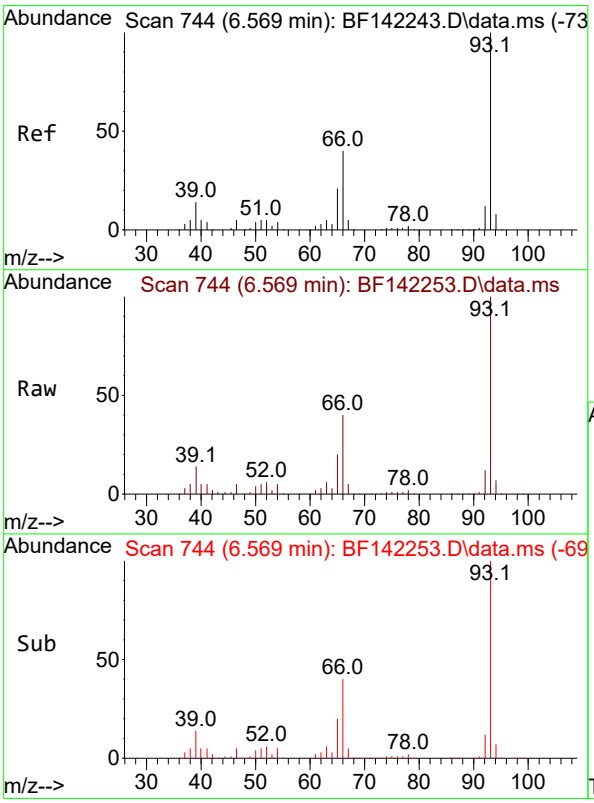
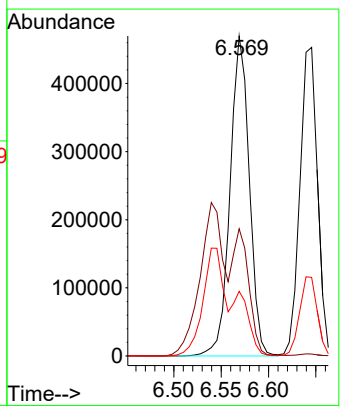
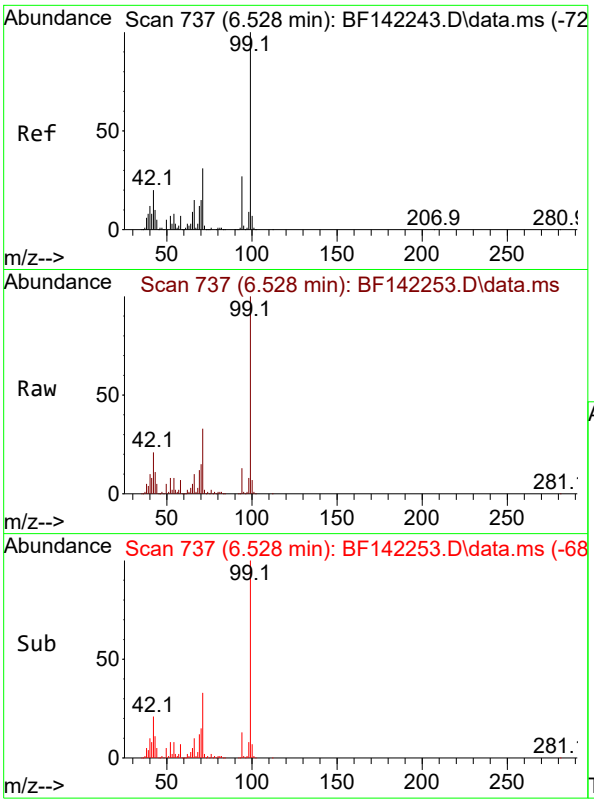


#6
Aniline
Concen: 27.123 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion: 93 Resp: 664275

Ion	Ratio	Lower	Upper
93	100		
66	39.8	32.1	48.1
65	20.2	16.6	24.8

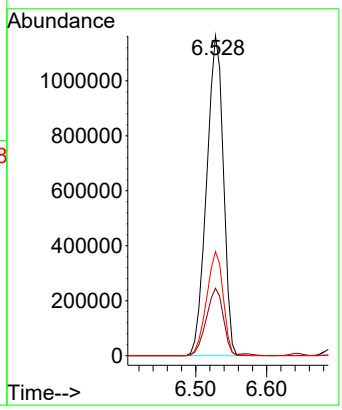




#7
Phenol-d6
Concen: 110.435 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion: 99 Resp: 191088

Ion	Ratio	Lower	Upper
99	100		
42	21.1	16.3	24.5
71	32.5	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
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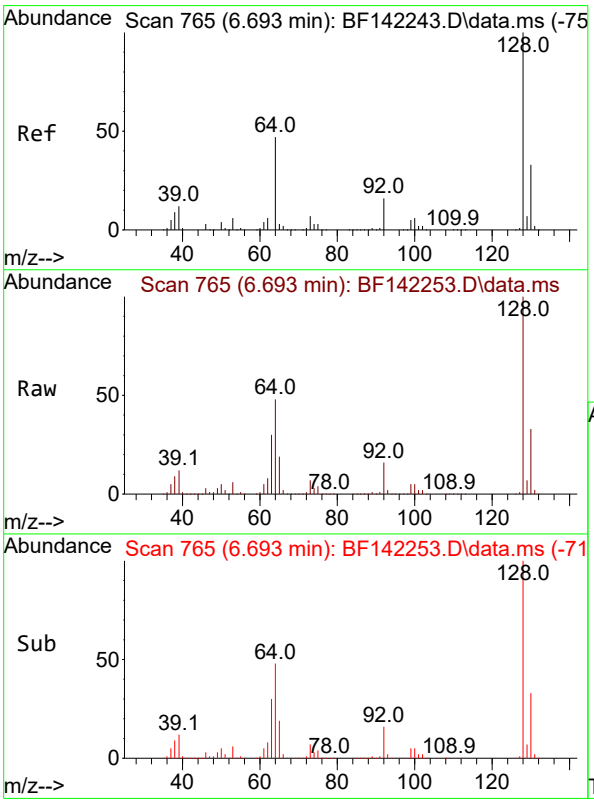
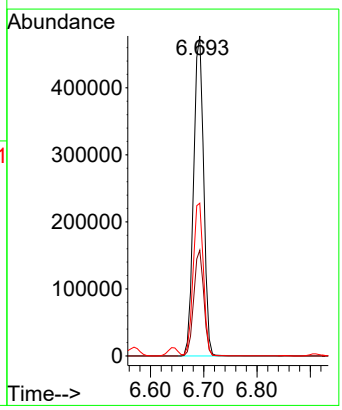
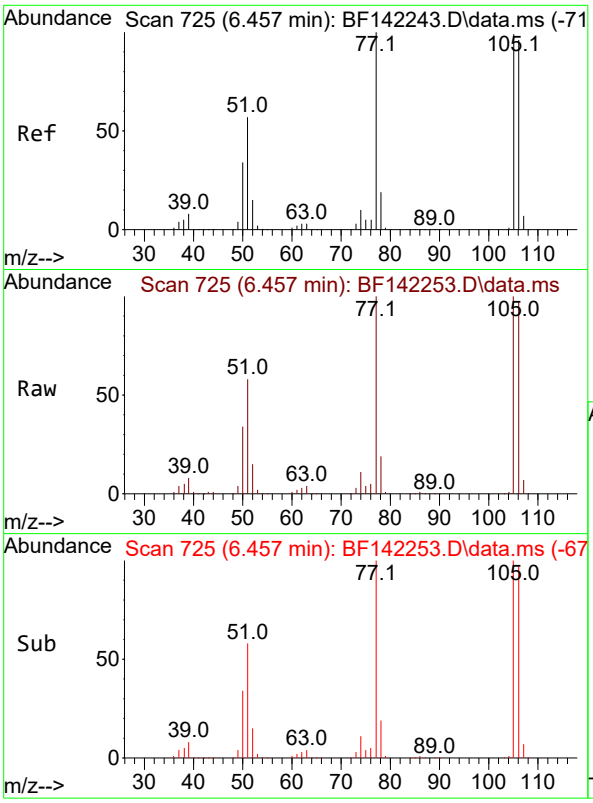


#8
2-Chlorophenol
Concen: 42.460 ng
RT: 6.693 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:128 Resp: 628695

Ion	Ratio	Lower	Upper
128	100		
130	33.1	13.1	53.1
64	47.7	28.6	68.6

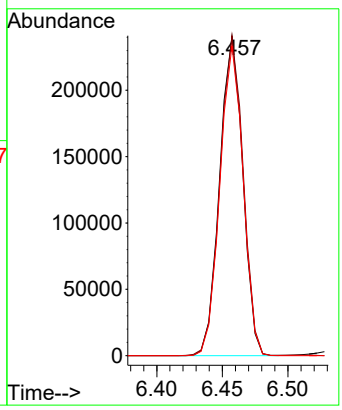




#9
Benzaldehyde
Concen: 24.312 ng
RT: 6.457 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion: 77 Resp: 29402

Ion	Ratio	Lower	Upper
77	100		
105	100.3	79.1	119.1
106	97.2	76.0	116.0



Instrument :
BNA_F
ClientSampleId :
PB167798BSD

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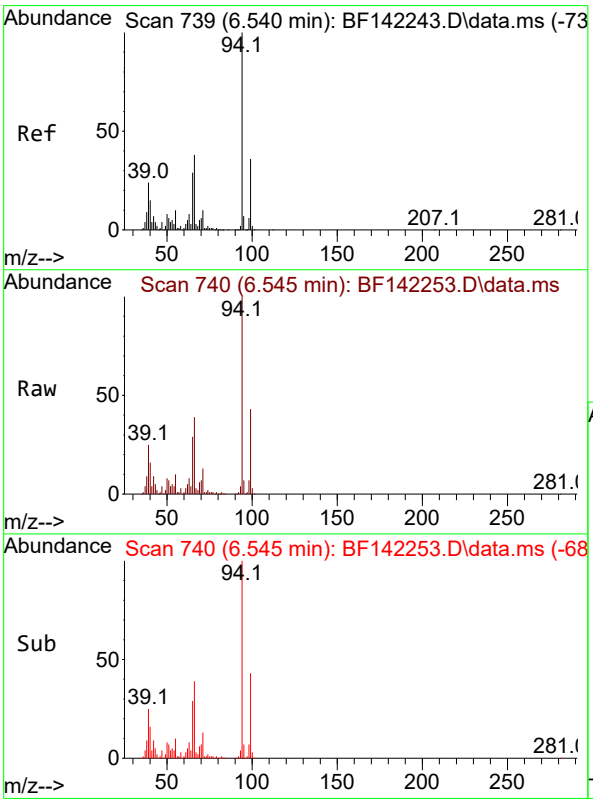
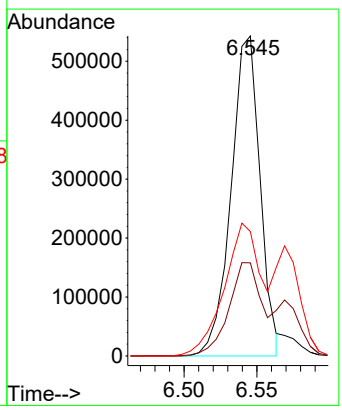
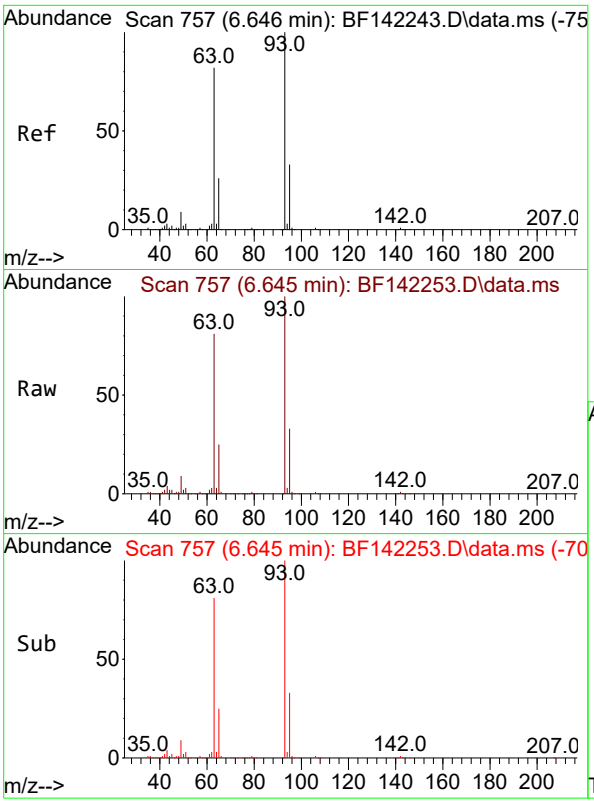


#10
Phenol
Concen: 40.313 ng m
RT: 6.545 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion: 94 Resp: 750967

Ion	Ratio	Lower	Upper
94	100		
65	29.1	8.9	48.9
66	38.9	18.7	58.7

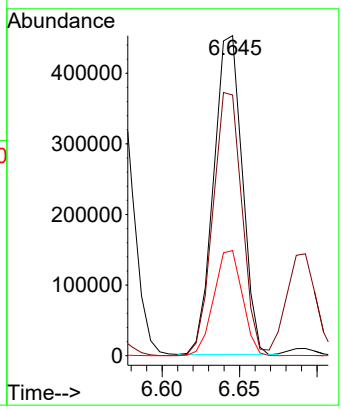




#11
bis(2-Chloroethyl)ether
Concen: 40.214 ng
RT: 6.645 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion: 93 Resp: 58050

Ion	Ratio	Lower	Upper
93	100		
63	81.4	62.2	102.2
95	32.8	12.7	52.7



Instrument :
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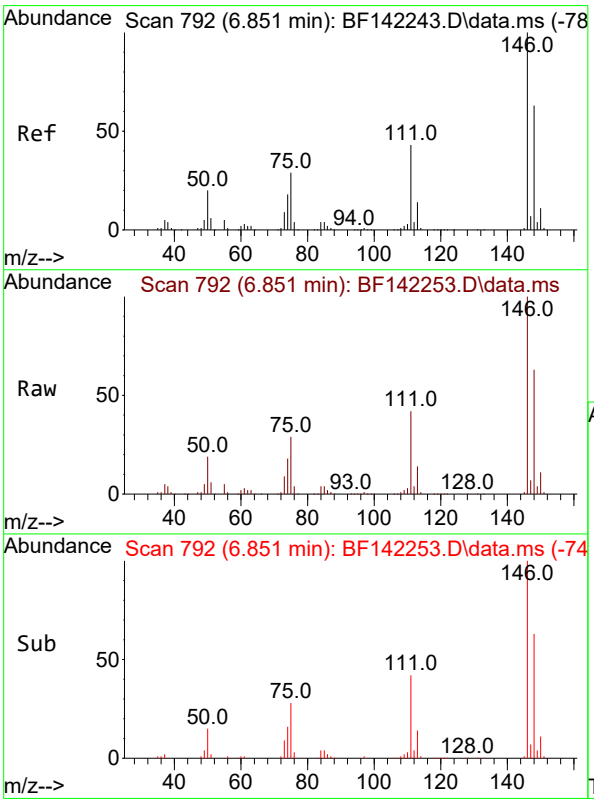
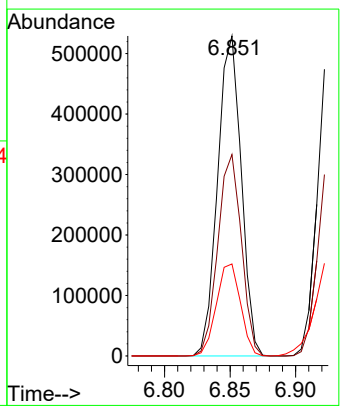
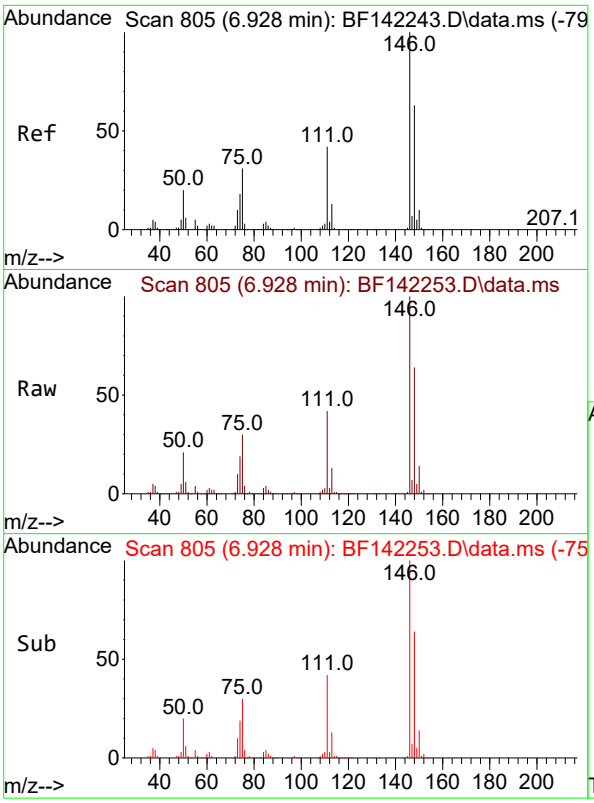


#12
1,3-Dichlorobenzene
Concen: 39.525 ng
RT: 6.851 min Scan# 792
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:146 Resp: 662064

Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.5	75.7
75	28.8	23.2	34.8

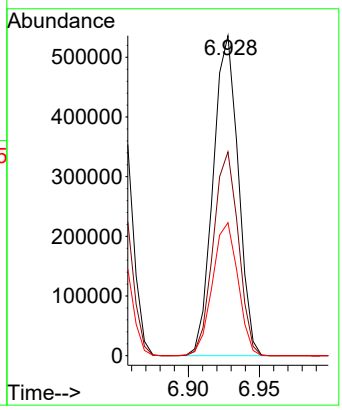




#13
1,4-Dichlorobenzene
Concen: 39.170 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:146 Resp: 66104

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.6	76.0
111	41.5	33.4	50.0



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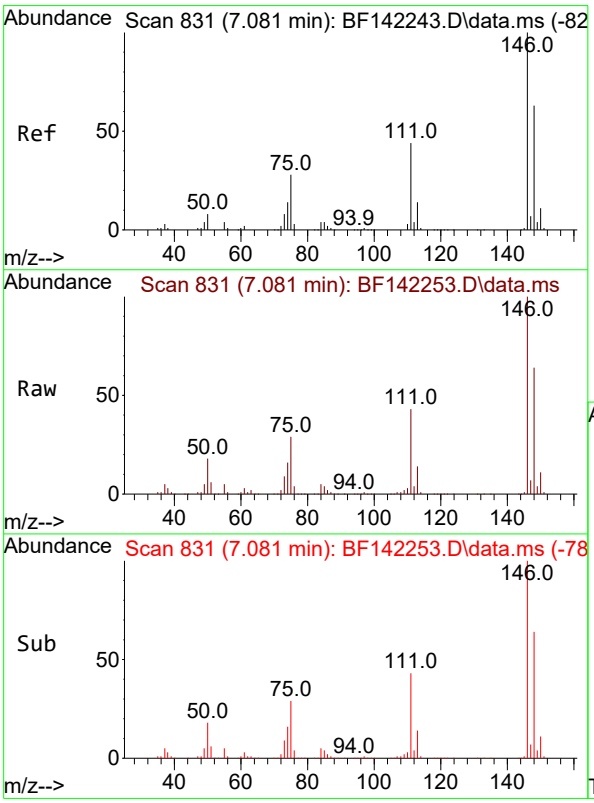
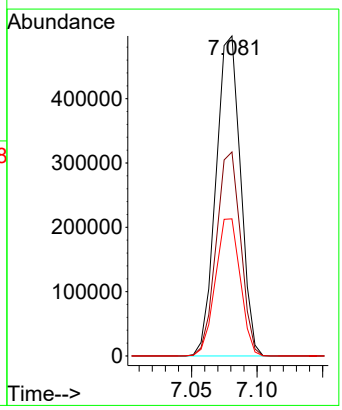
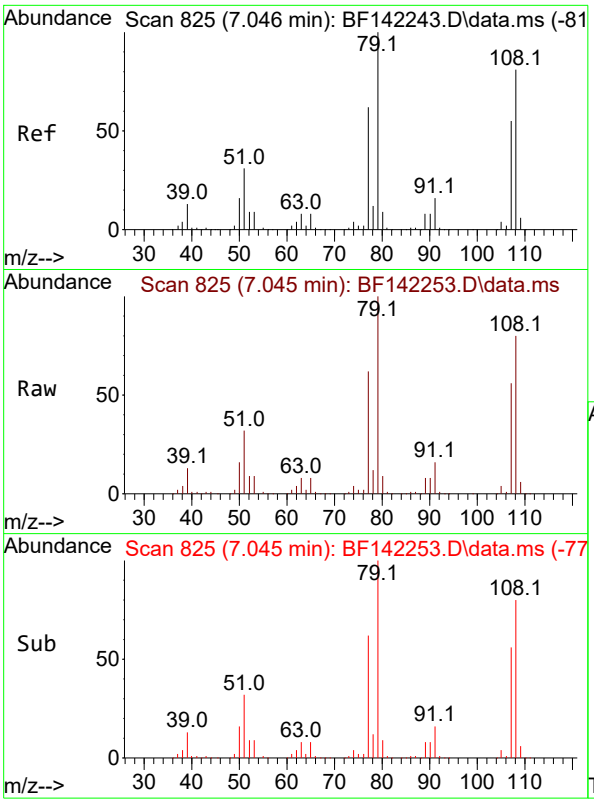


#14
1,2-Dichlorobenzene
Concen: 40.124 ng
RT: 7.081 min Scan# 831
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:146 Resp: 646447

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.5	75.7
111	42.8	34.9	52.3





#15
Benzyl Alcohol
Concen: 42.584 ng
RT: 7.045 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion: 79 Resp: 52260

Ion	Ratio	Lower	Upper
79	100		
108	79.7	64.5	96.7
77	62.0	49.2	73.8

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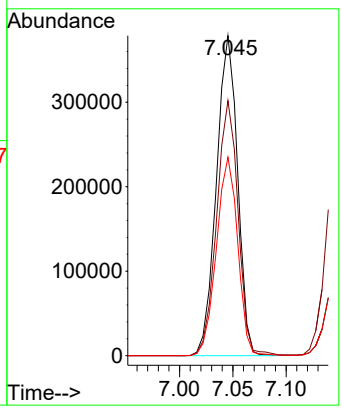
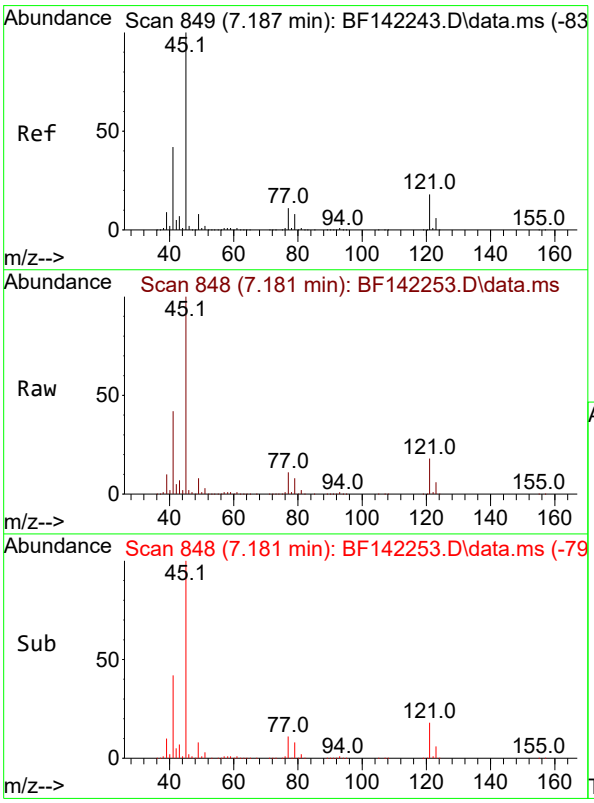
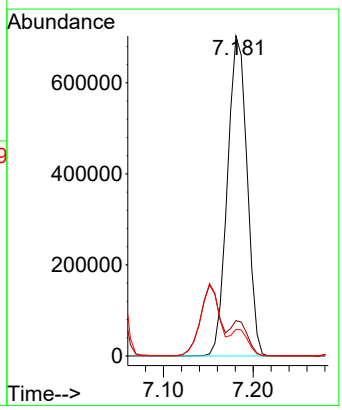


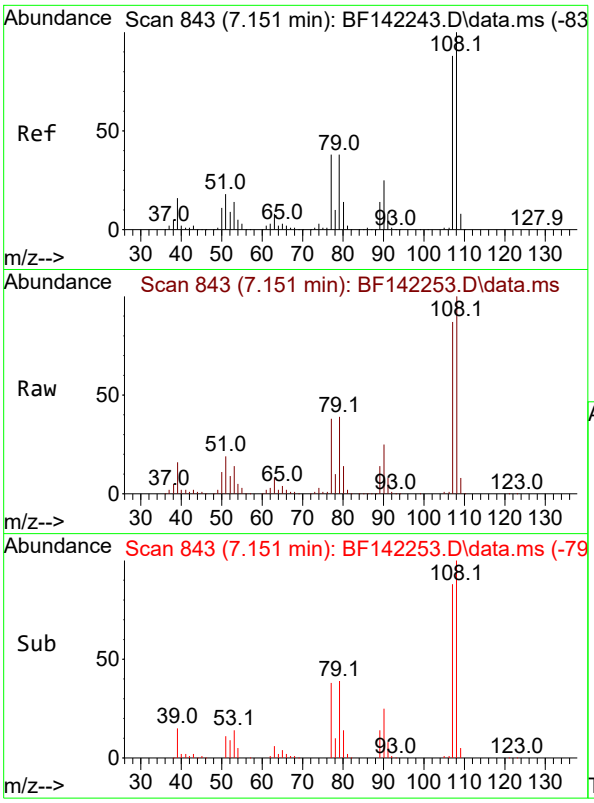


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.987 ng
RT: 7.181 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion: 45 Resp: 1068395

Ion	Ratio	Lower	Upper
45	100		
77	11.1	0.0	31.3
79	8.3	0.0	28.5

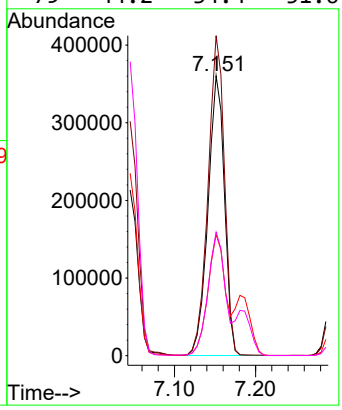




#17
2-Methylphenol
Concen: 41.769 ng
RT: 7.151 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:107 Resp: 50664

Ion	Ratio	Lower	Upper
107	100		
108	114.3	91.0	136.4
77	43.3	34.4	51.6
79	44.2	34.4	51.6



Instrument :
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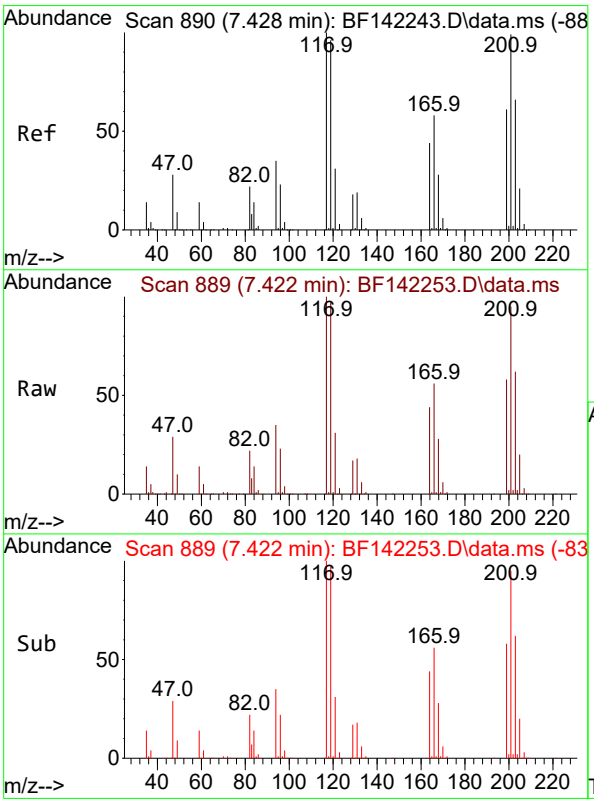
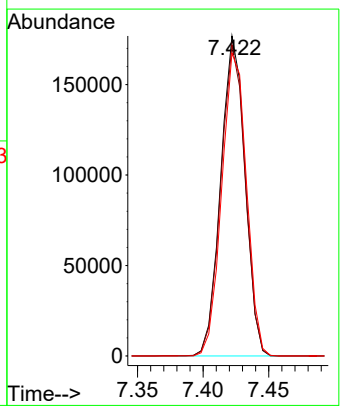
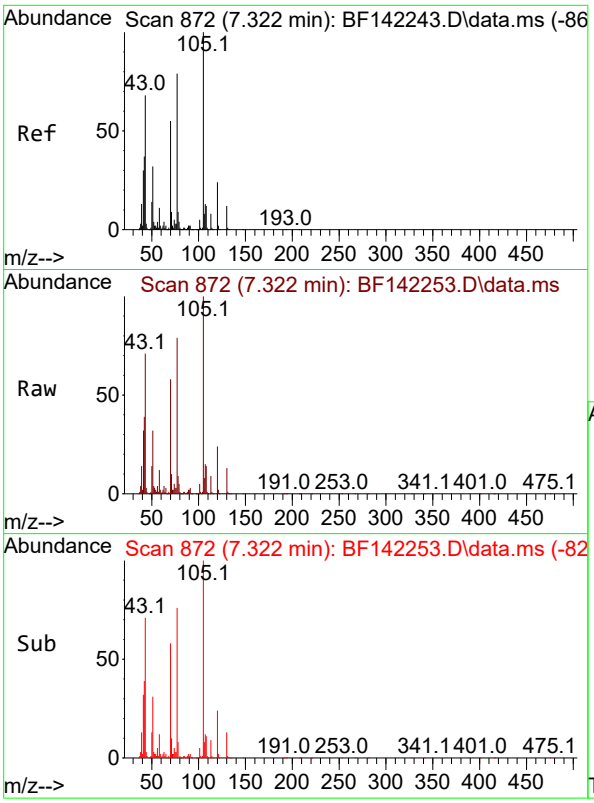


#18
Hexachloroethane
Concen: 41.260 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.006 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:117 Resp: 227904

Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.1	115.7
201	94.6	79.4	119.2

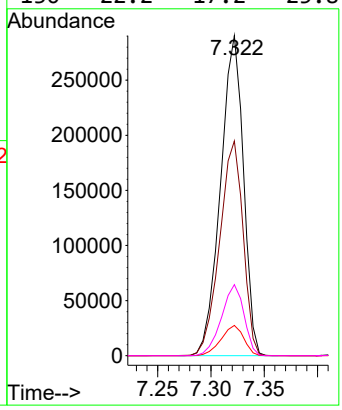




#19
n-Nitroso-di-n-propylamine
Concen: 40.572 ng
RT: 7.322 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion: 70 Resp: 43382

Ion	Ratio	Lower	Upper
70	100		
42	67.1	53.4	80.2
101	9.5	7.7	11.5
130	22.2	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
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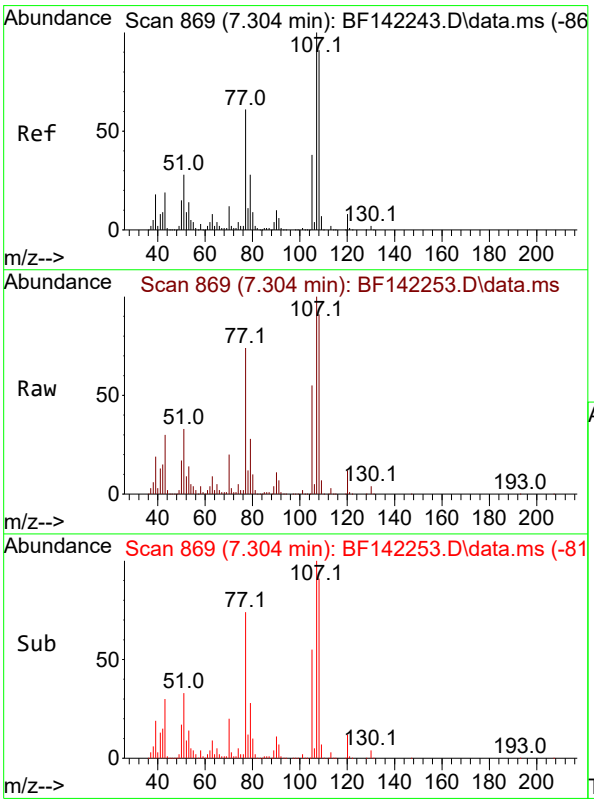
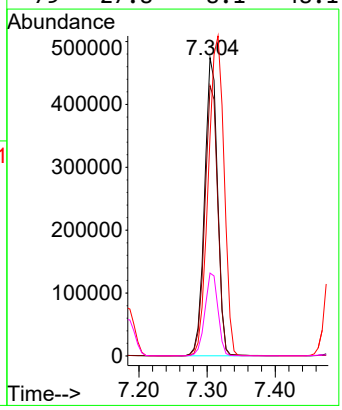
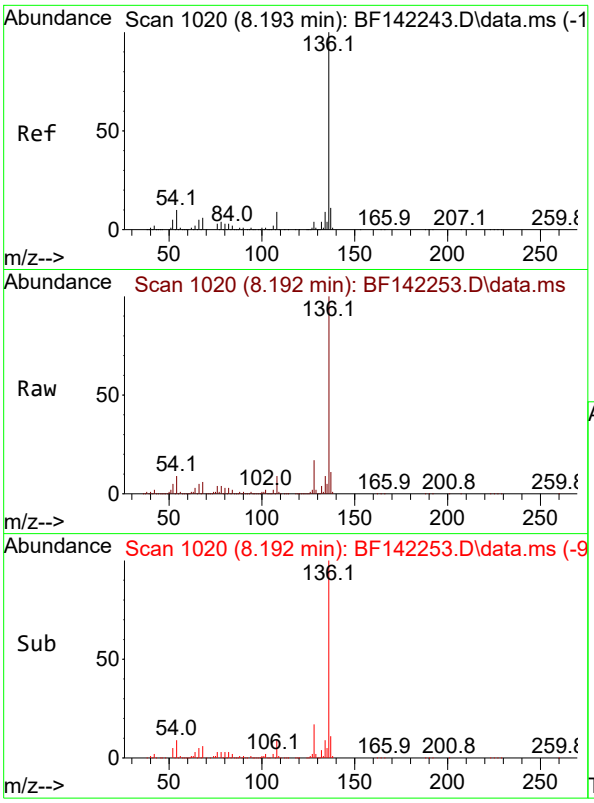


#20
3+4-Methylphenols
Concen: 41.251 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:107 Resp: 625731

Ion	Ratio	Lower	Upper
107	100		
108	90.6	71.2	111.2
77	73.8	41.1	81.1
79	27.8	8.1	48.1

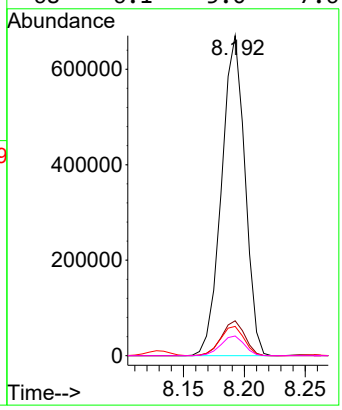




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:136 Resp: 89550

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	9.2	7.7	11.5
68	6.1	5.0	7.6



Instrument :
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ClientSampleId :
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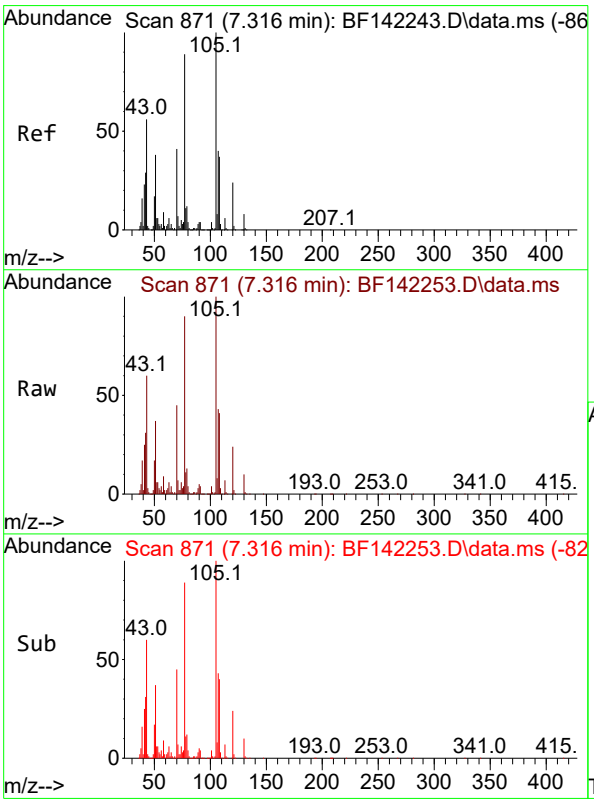
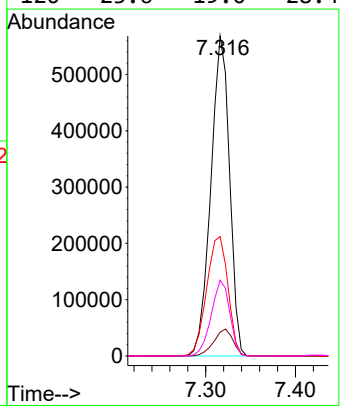
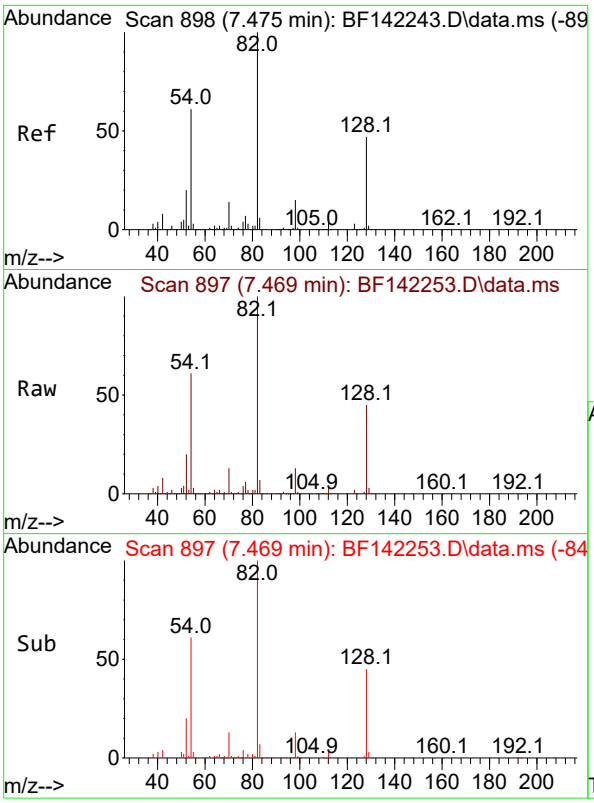


#22
Acetophenone
Concen: 39.692 ng
RT: 7.316 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:105 Resp: 822300

Ion	Ratio	Lower	Upper
105	100		
71	7.4	5.7	8.5
51	37.3	30.1	45.1
120	23.6	19.0	28.4





#23
Nitrobenzene-d5
Concen: 80.319 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion: 82 Resp: 109480

Ion	Ratio	Lower	Upper
82	100		
128	45.2	37.0	55.6
54	61.1	48.0	72.0

Instrument :
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ClientSampleId :
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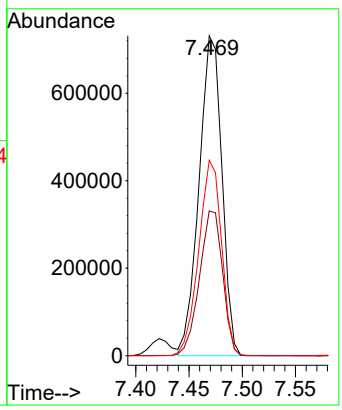
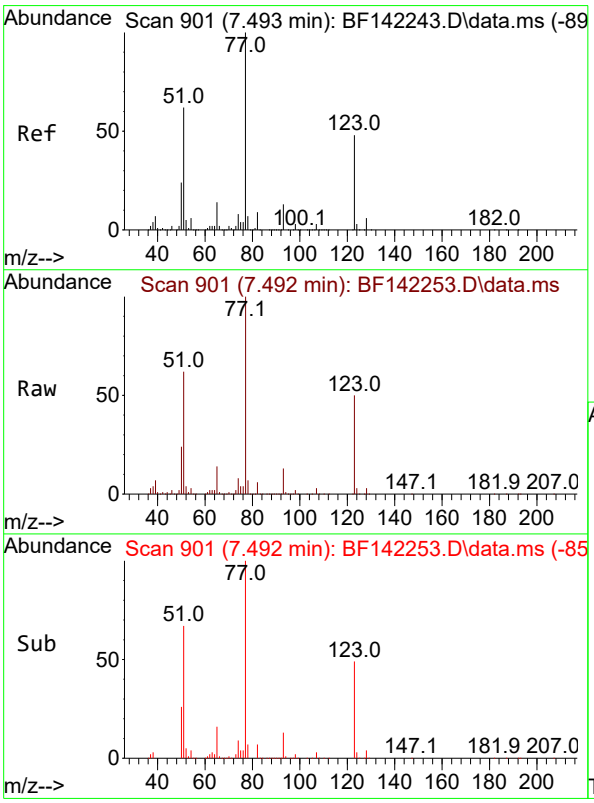
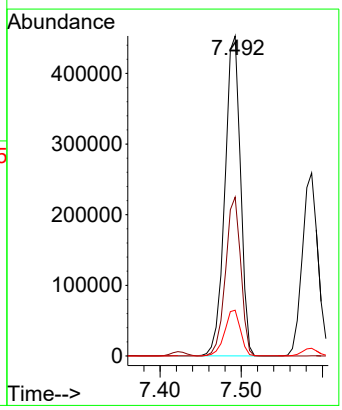


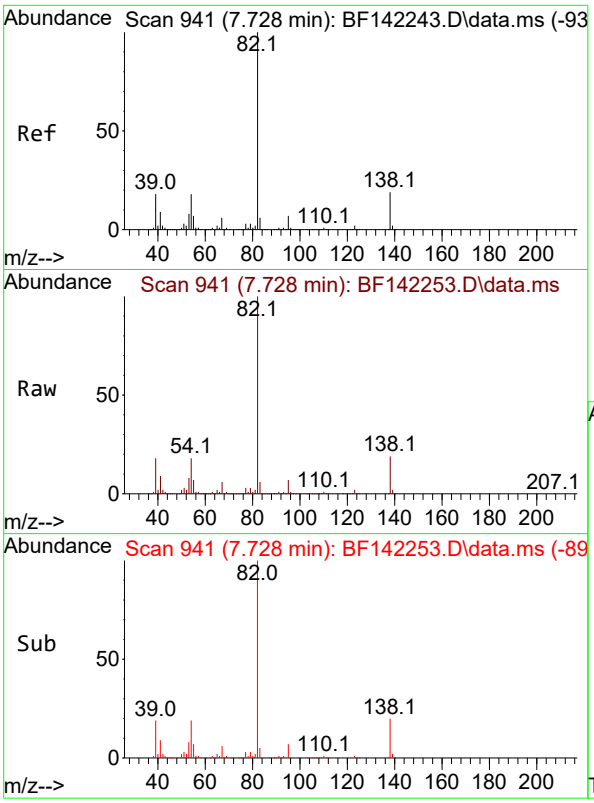


#24
Nitrobenzene
Concen: 45.294 ng
RT: 7.492 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion: 77 Resp: 605776

Ion	Ratio	Lower	Upper
77	100		
123	49.7	38.6	58.0
65	14.3	11.5	17.3





#25
Isophorone
Concen: 41.096 ng
RT: 7.728 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion: 82 Resp: 117565

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.6	8.4
138	19.4	15.3	22.9

Instrument :
BNA_F
ClientSampleId :
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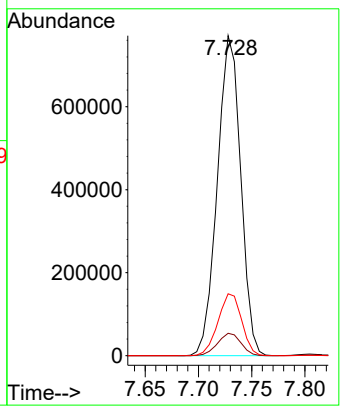
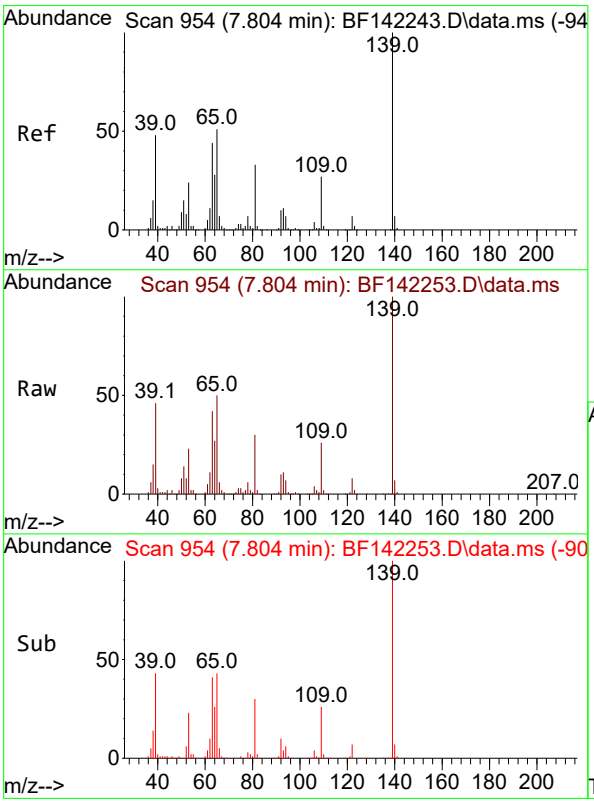
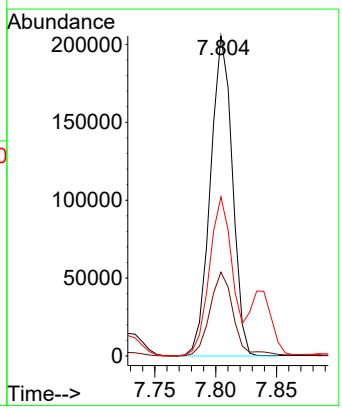


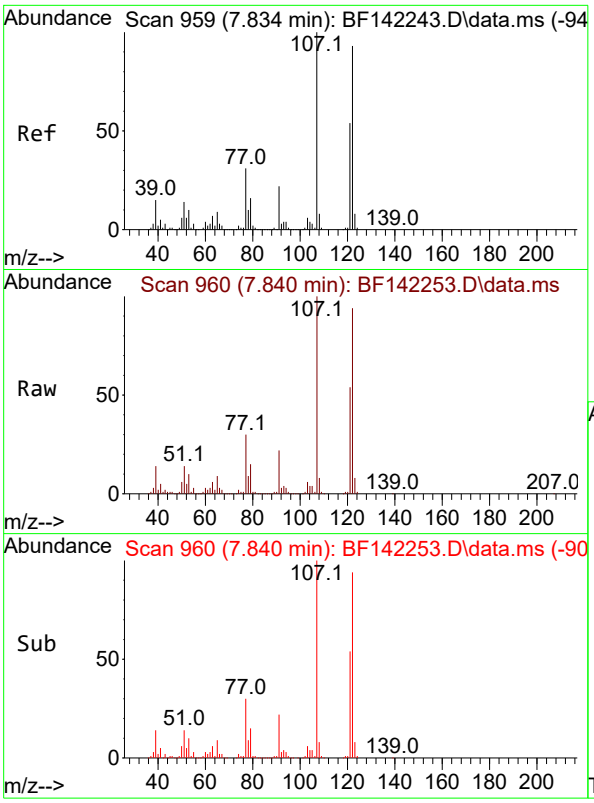


#26
2-Nitrophenol
Concen: 46.327 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:139 Resp: 258365

Ion	Ratio	Lower	Upper
139	100		
109	26.2	21.8	32.8
65	49.7	41.1	61.7

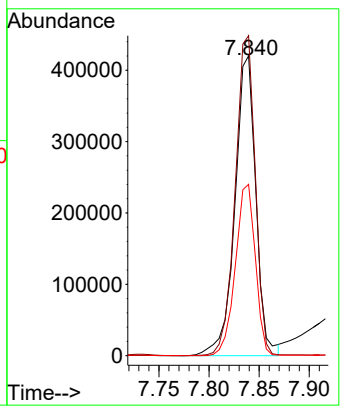




#27
2,4-Dimethylphenol
Concen: 42.472 ng
RT: 7.840 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:122 Resp: 61259

Ion	Ratio	Lower	Upper
122	100		
107	106.7	86.0	129.0
121	57.2	46.3	69.5



Instrument :
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ClientSampleId :
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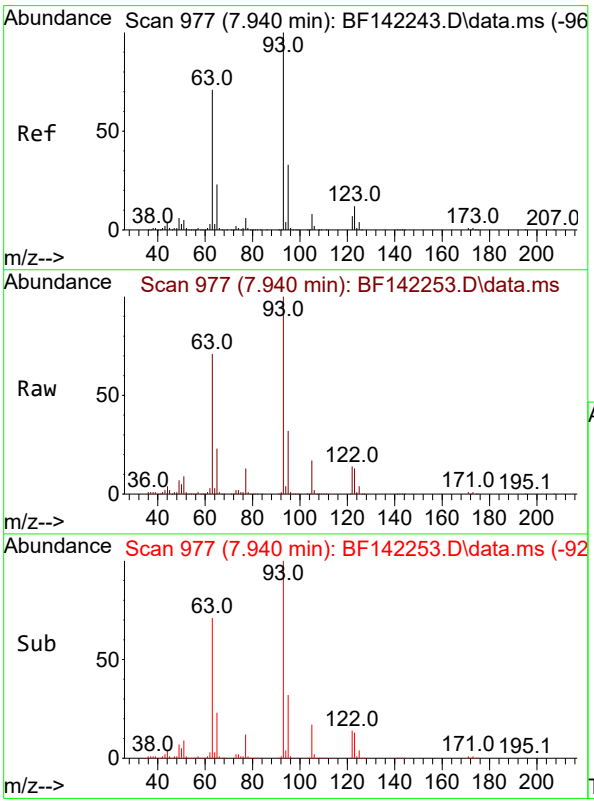
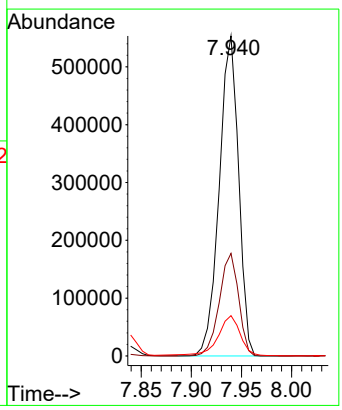
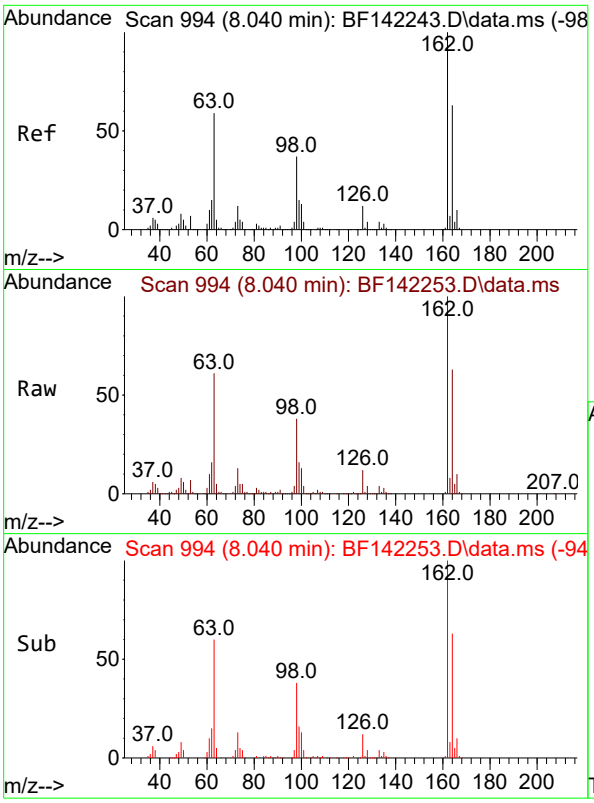


#28
bis(2-Chloroethoxy)methane
Concen: 41.043 ng
RT: 7.940 min Scan# 977
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion: 93 Resp: 740492

Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.2	39.2
123	12.6	9.7	14.5

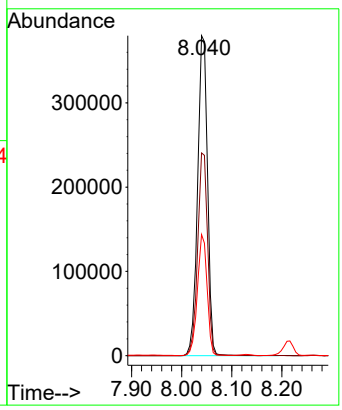




#29
2,4-Dichlorophenol
Concen: 43.259 ng
RT: 8.040 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:162 Resp: 52164

Ion	Ratio	Lower	Upper
162	100		
164	63.3	43.0	83.0
98	37.8	16.7	56.7



Instrument :
BNA_F
ClientSampleId :
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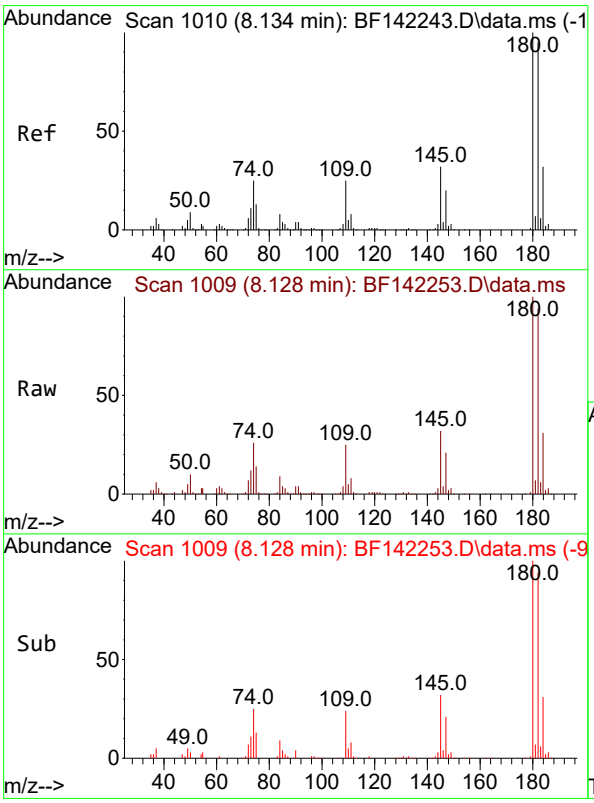
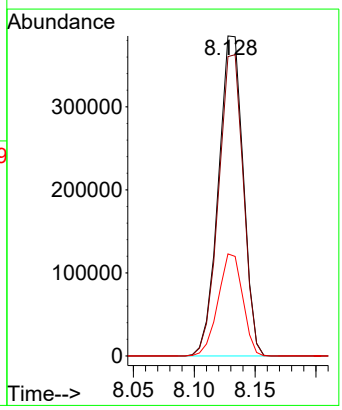
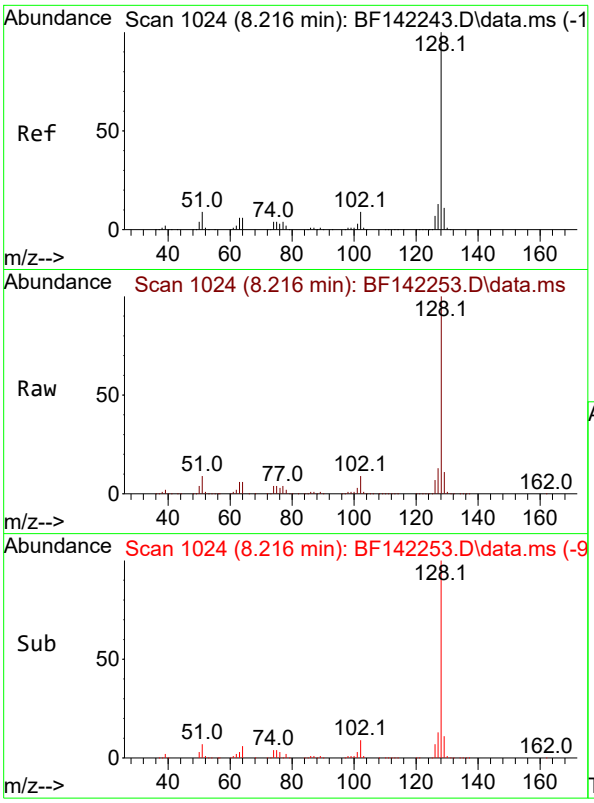


#30
1,2,4-Trichlorobenzene
Concen: 40.582 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:180 Resp: 546079

Ion	Ratio	Lower	Upper
180	100		
182	93.5	75.7	113.5
145	31.9	25.4	38.0





#31
Naphthalene
Concen: 39.820 ng
RT: 8.216 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:128 Resp: 177832

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.4
127	13.1	10.6	15.8

Instrument :
BNA_F
ClientSampleId :
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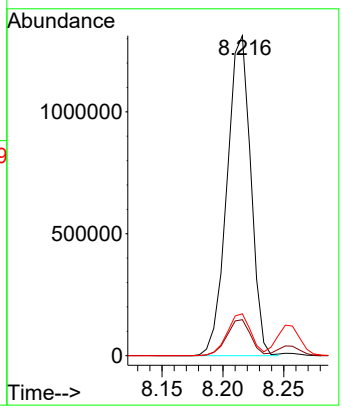
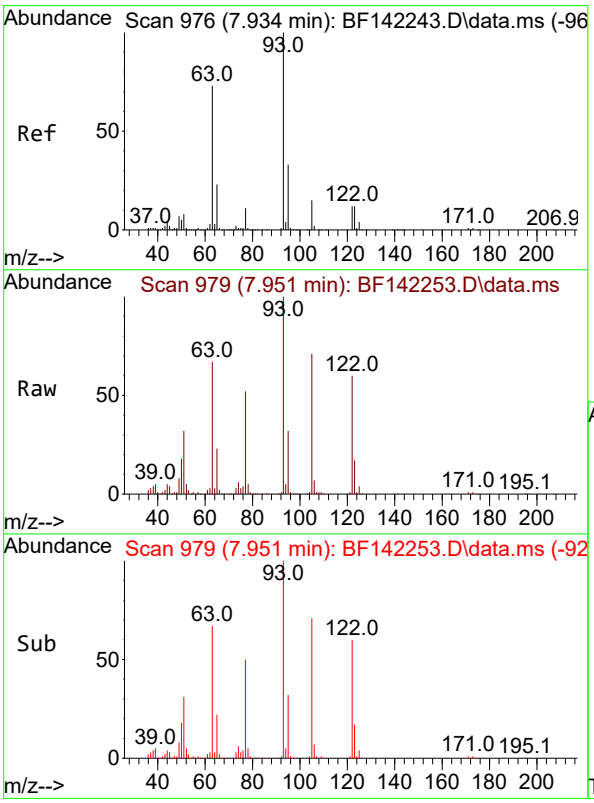
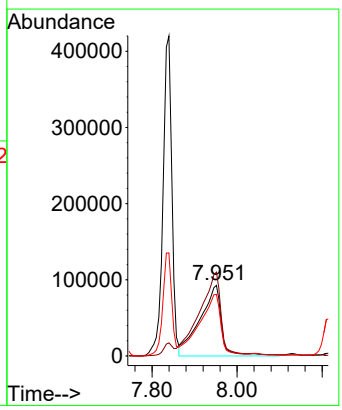


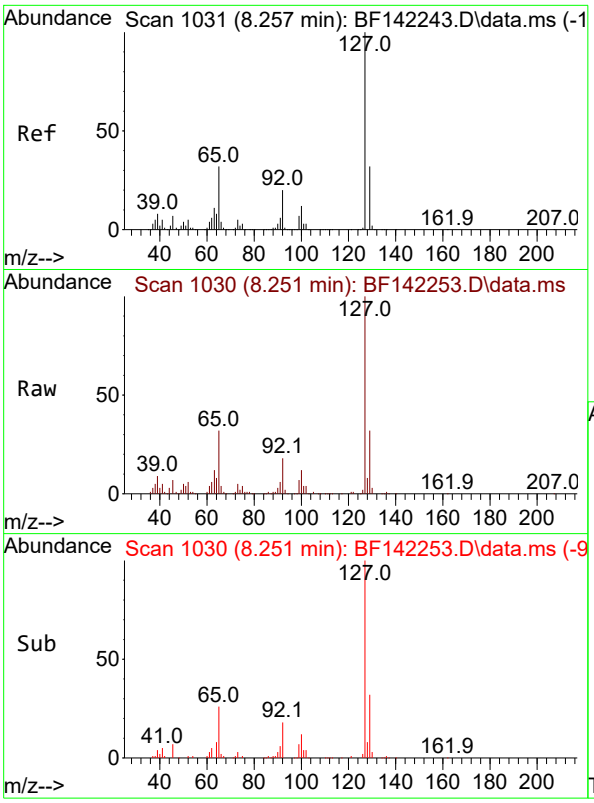


#32
Benzoic acid
Concen: 48.183 ng m
RT: 7.951 min Scan# 979
Delta R.T. 0.017 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:122 Resp: 331051

Ion	Ratio	Lower	Upper
122	100		
105	118.7	98.2	138.2
77	87.4	66.8	106.8

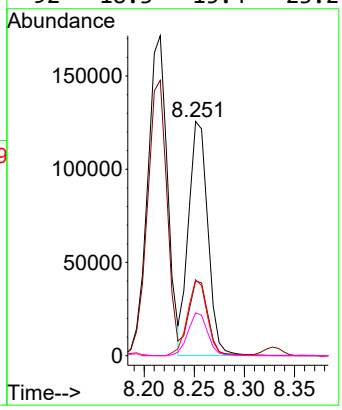




#33
4-Chloroaniline
Concen: 9.036 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:127 Resp: 16804

Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.1	39.1
65	32.5	25.5	38.3
92	18.3	15.4	23.2



Instrument :
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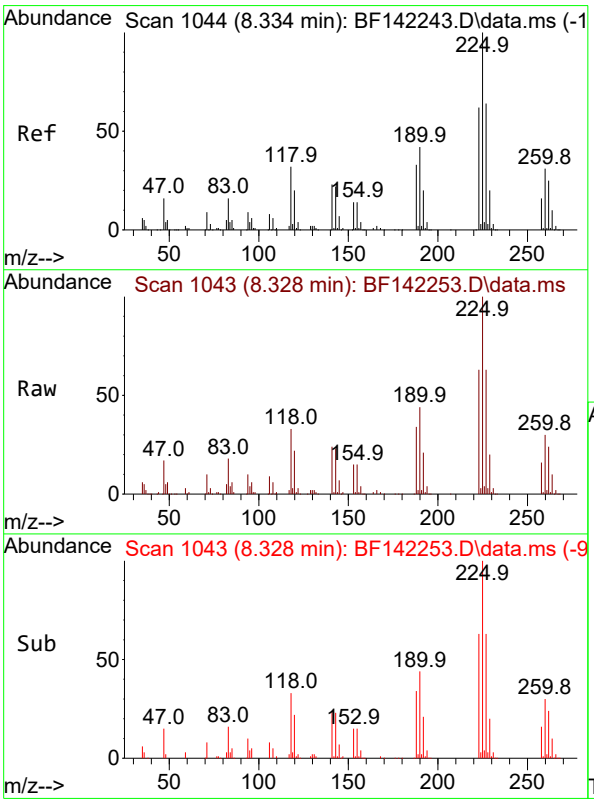
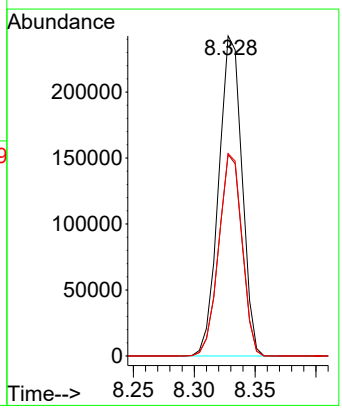
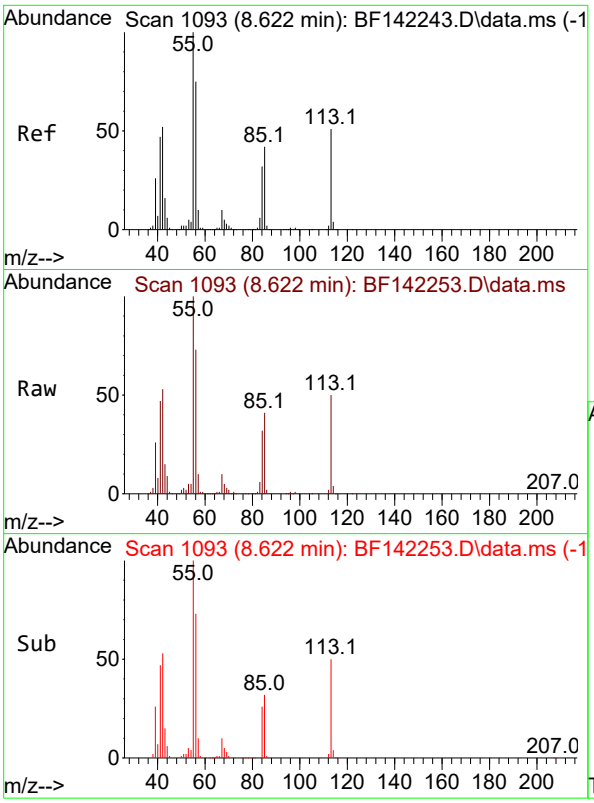


#34
Hexachlorobutadiene
Concen: 41.113 ng
RT: 8.328 min Scan# 1043
Delta R.T. -0.006 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:225 Resp: 322773

Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.7	74.5
227	63.3	51.0	76.4

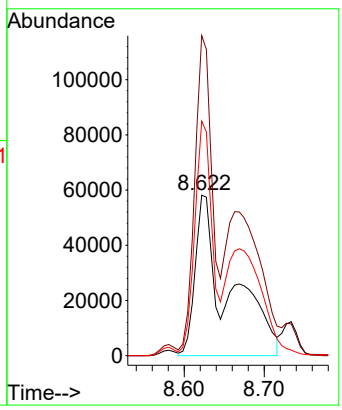




#35
Caprolactam
Concen: 46.407 ng m
RT: 8.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:113 Resp: 16820

Ion	Ratio	Lower	Upper
113	100		
55	199.5	177.7	217.7
56	146.2	127.1	167.1



Instrument :
BNA_F
ClientSampleId :
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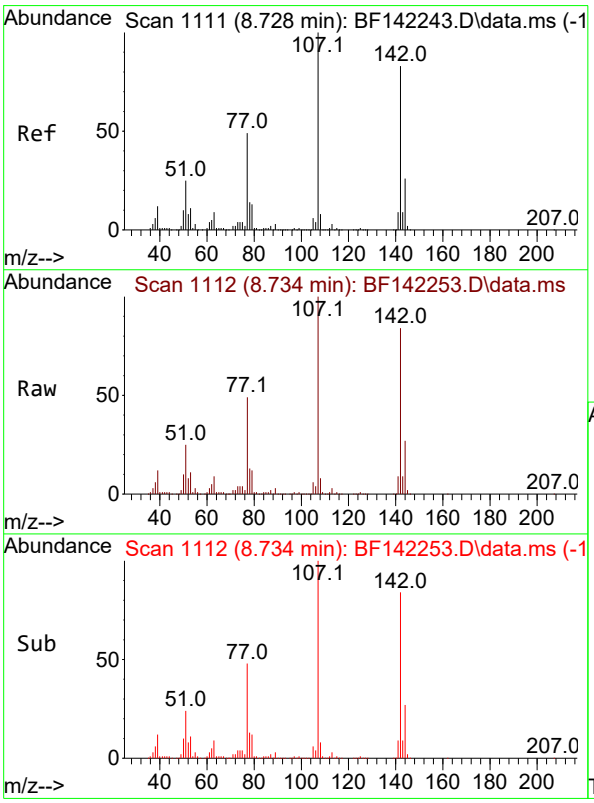
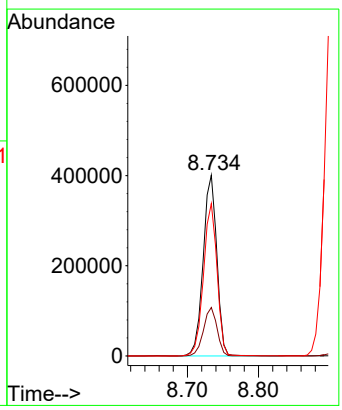
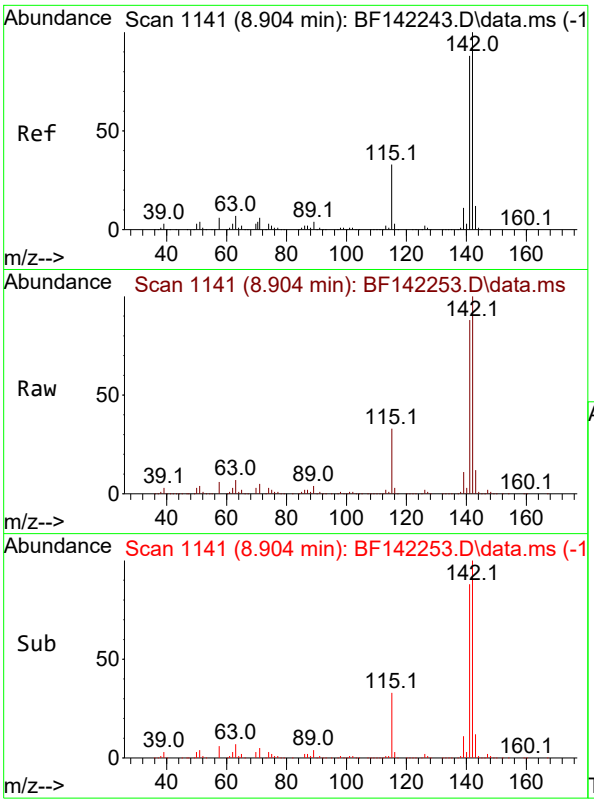


#36
4-Chloro-3-methylphenol
Concen: 43.445 ng
RT: 8.734 min Scan# 1112
Delta R.T. 0.006 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:107 Resp: 537952

Ion	Ratio	Lower	Upper
107	100		
144	26.9	21.0	31.4
142	84.2	66.1	99.1

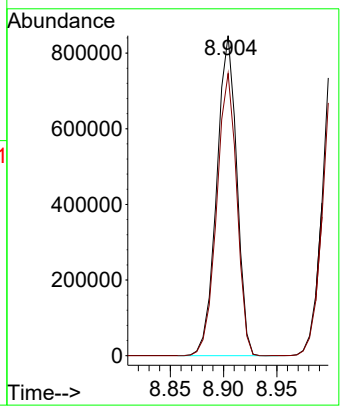




#37
2-Methylnaphthalene
Concen: 40.241 ng
RT: 8.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:142 Resp: 110493

Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.5	105.7



Instrument :
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ClientSampleId :
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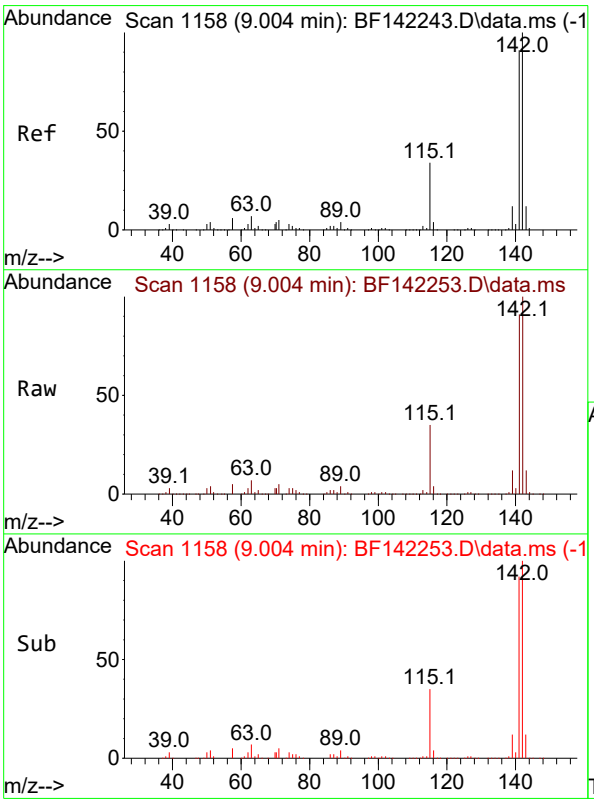
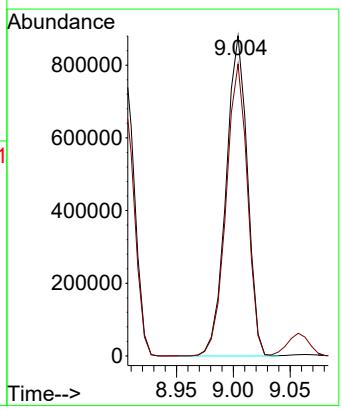
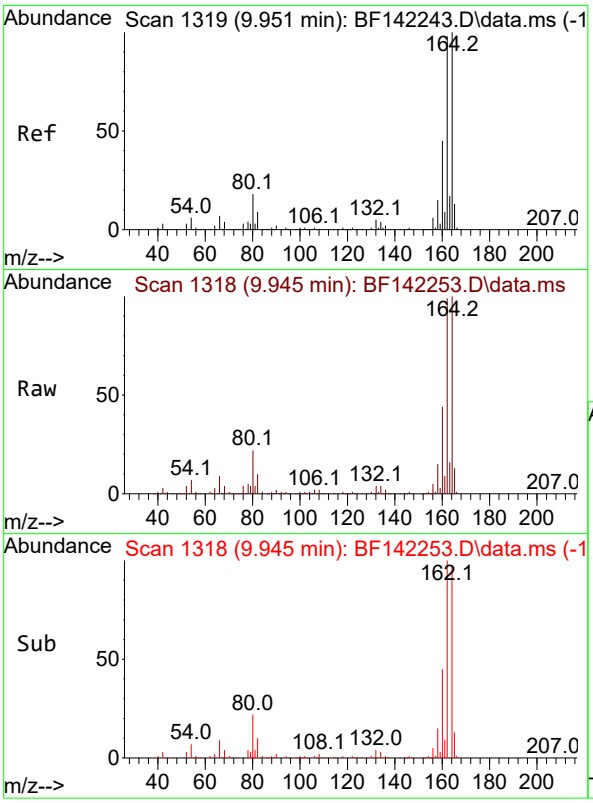


#38
1-Methylnaphthalene
Concen: 40.445 ng
RT: 9.004 min Scan# 1158
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:142 Resp: 1150453

Ion	Ratio	Lower	Upper
142	100		
141	91.2	72.8	109.2

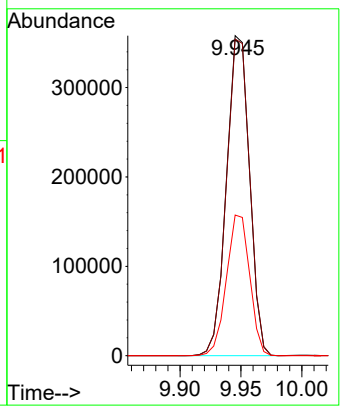




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:164 Resp: 47203

Ion	Ratio	Lower	Upper
164	100		
162	99.0	78.6	117.8
160	44.0	35.7	53.5



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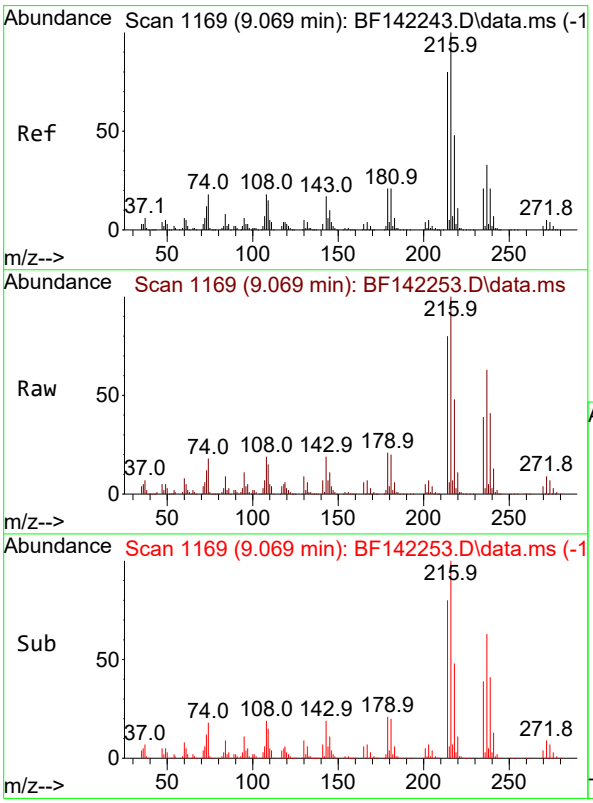
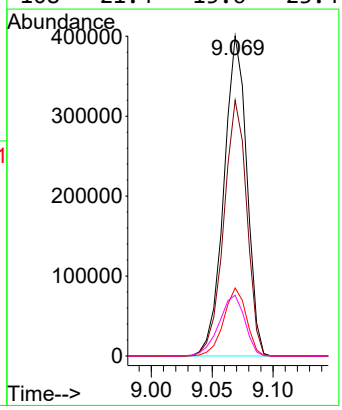
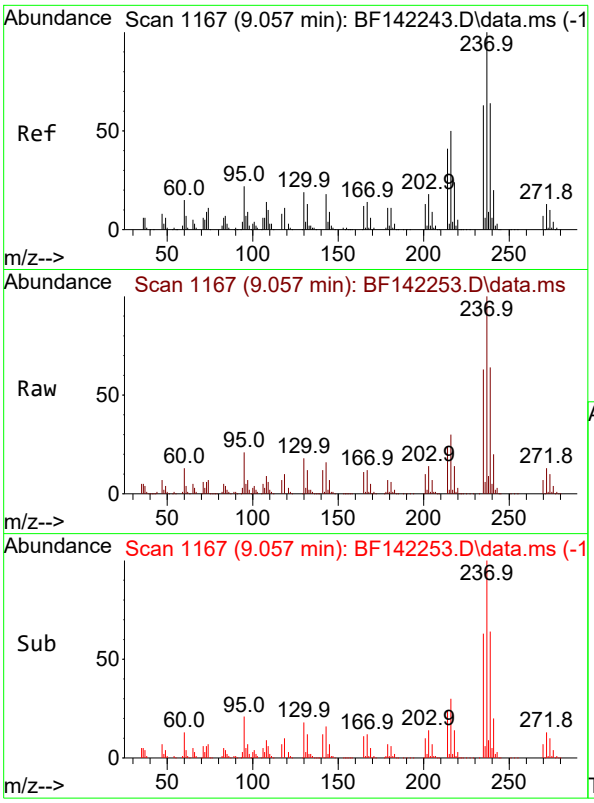


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.515 ng
RT: 9.069 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:216 Resp: 524934

Ion	Ratio	Lower	Upper
216	100		
214	79.8	63.8	95.6
179	21.0	16.7	25.1
108	21.4	15.6	23.4

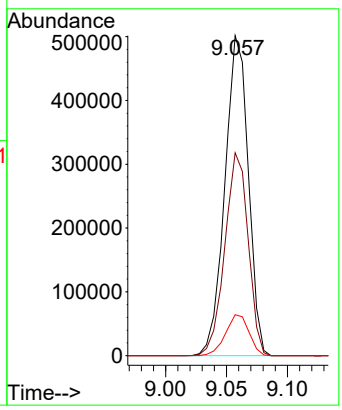




#41
Hexachlorocyclopentadiene
Concen: 89.128 ng
RT: 9.057 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:237 Resp: 67198

Ion	Ratio	Lower	Upper
237	100		
235	63.4	43.5	83.5
272	12.8	0.0	32.9



Instrument :
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ClientSampleId :
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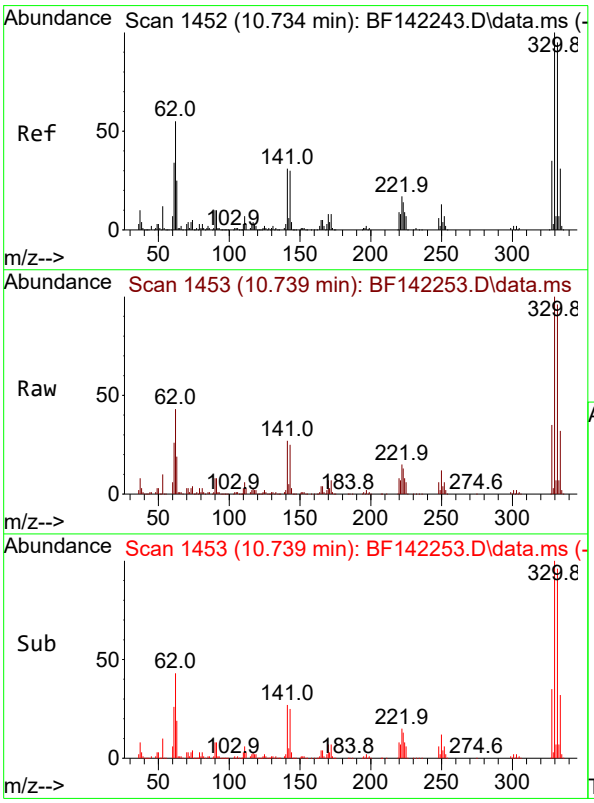
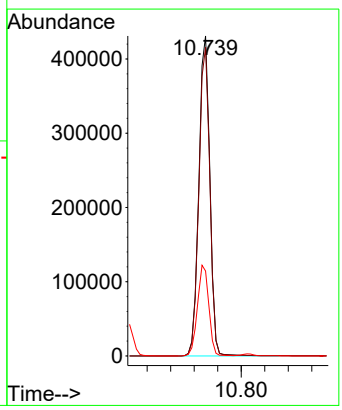
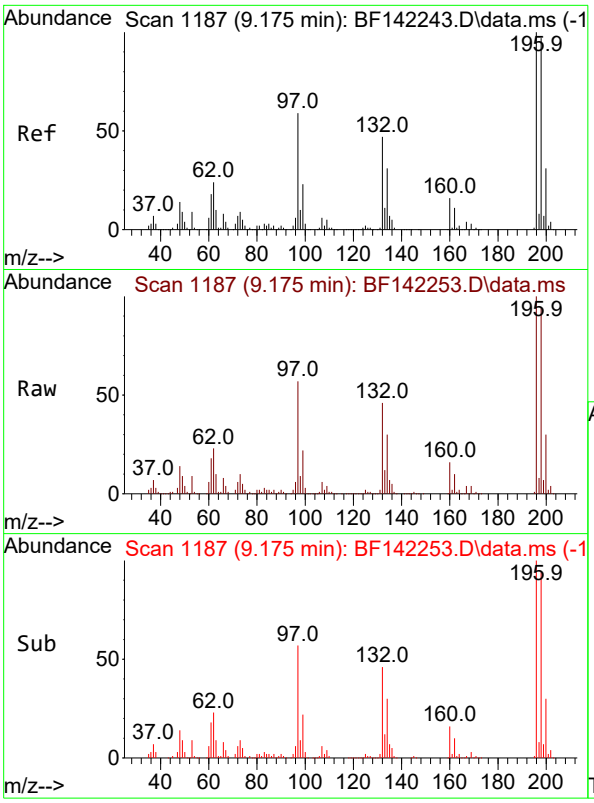


#42
2,4,6-Tribromophenol
Concen: 129.885 ng
RT: 10.739 min Scan# 1453
Delta R.T. 0.006 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:330 Resp: 558926

Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.5	114.7
141	29.3	24.3	36.5

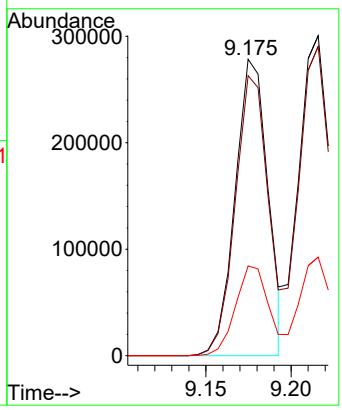




#43
2,4,6-Trichlorophenol
Concen: 45.244 ng
RT: 9.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:196 Resp: 37245

Ion	Ratio	Lower	Upper
196	100		
198	94.4	77.4	116.2
200	30.3	24.6	37.0



Instrument :
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ClientSampleId :
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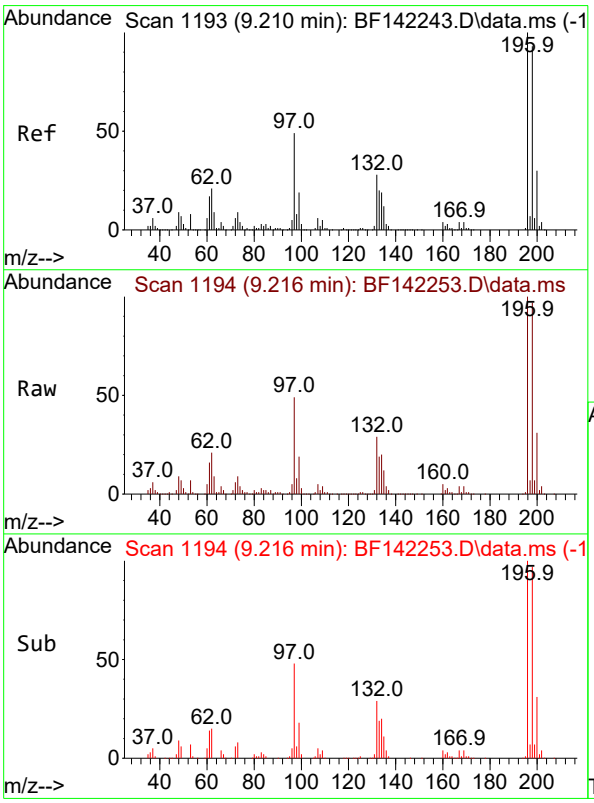
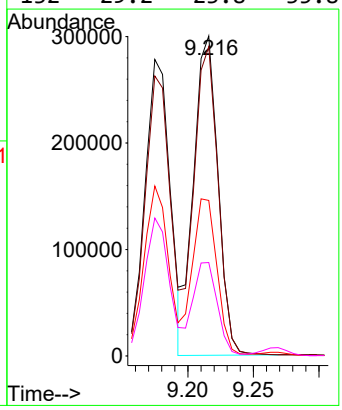
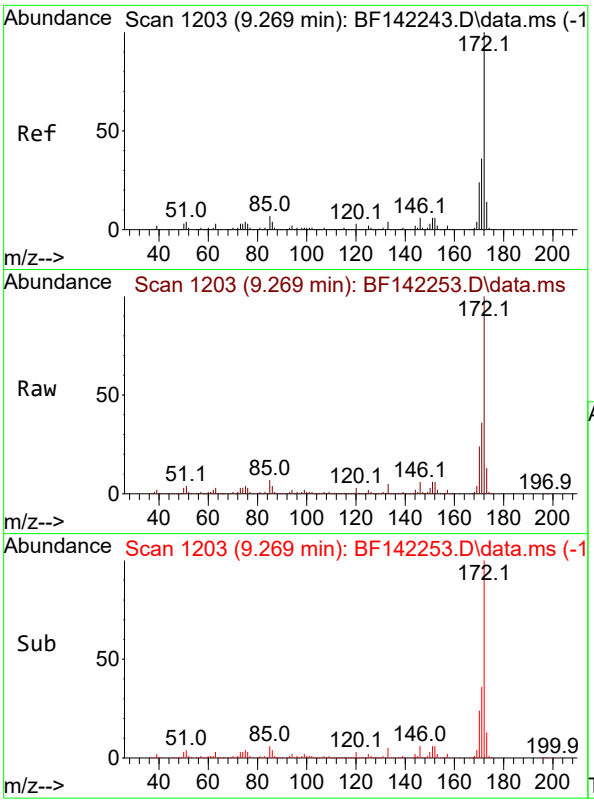


#44
2,4,5-Trichlorophenol
Concen: 44.810 ng
RT: 9.216 min Scan# 1194
Delta R.T. 0.006 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:196 Resp: 387830

Ion	Ratio	Lower	Upper
196	100		
198	96.6	75.2	112.8
97	48.6	39.8	59.8
132	29.2	23.8	35.8

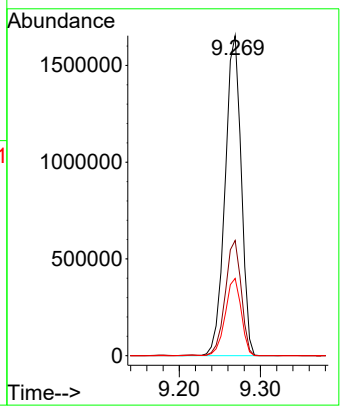




#45
2-Fluorobiphenyl
Concen: 68.240 ng
RT: 9.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:172 Resp: 228457

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.4
170	24.2	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
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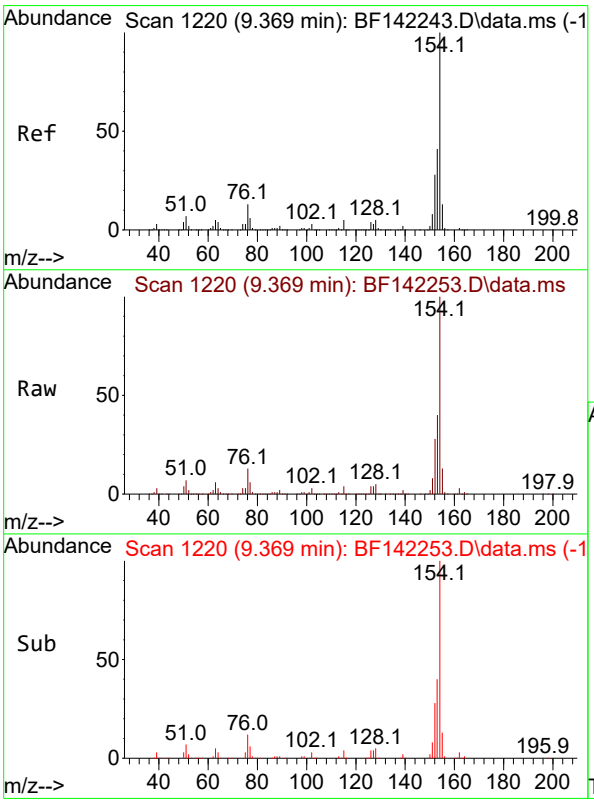
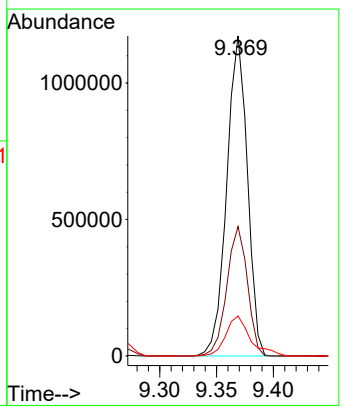
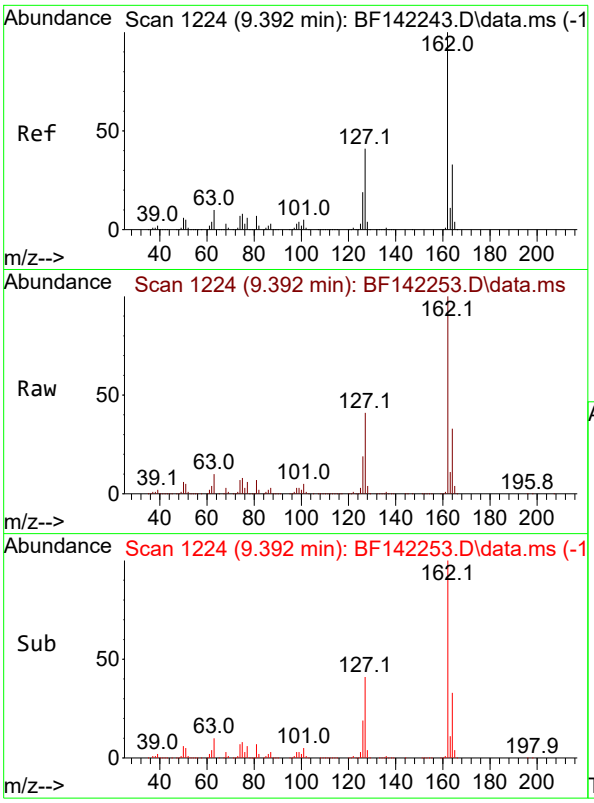


#46
1,1'-Biphenyl
Concen: 40.340 ng
RT: 9.369 min Scan# 1220
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:154 Resp: 1480347

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.5	60.5
76	12.5	0.0	32.8

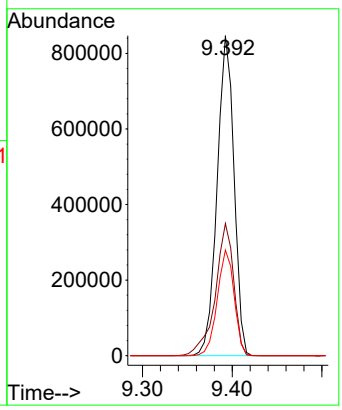




#47
2-Chloronaphthalene
Concen: 40.476 ng
RT: 9.392 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:162 Resp: 110508

Ion	Ratio	Lower	Upper
162	100		
127	41.3	32.6	49.0
164	33.0	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
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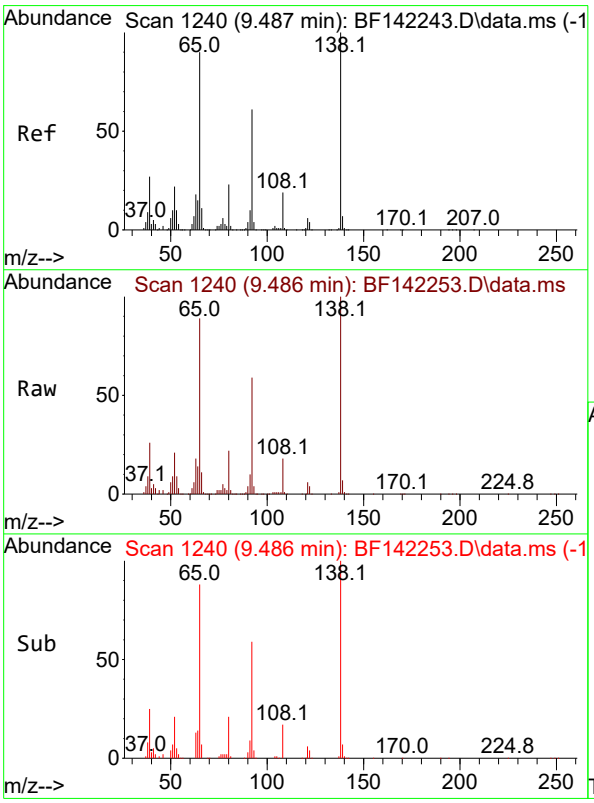
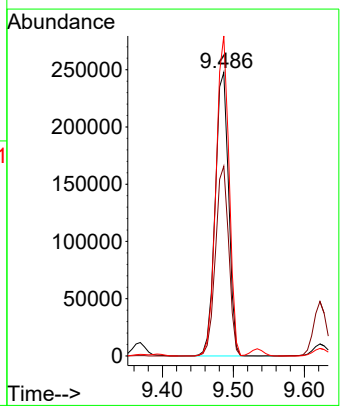
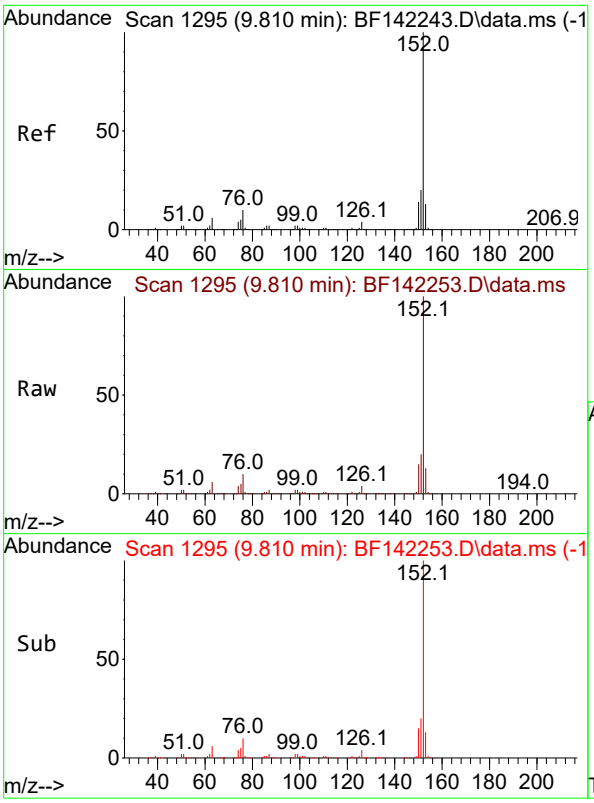


#48
2-Nitroaniline
Concen: 45.363 ng
RT: 9.486 min Scan# 1240
Delta R.T. -0.001 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion: 65 Resp: 324508

Ion	Ratio	Lower	Upper
65	100		
92	66.9	54.3	81.5
138	112.9	88.6	133.0

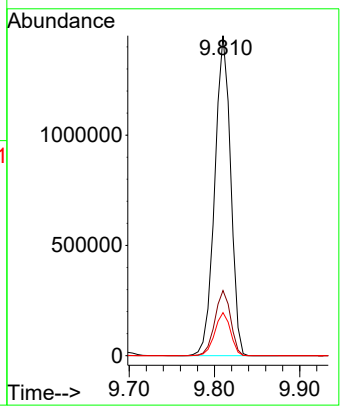




#49
Acenaphthylene
Concen: 40.794 ng
RT: 9.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:152 Resp: 187945

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.2
153	13.4	10.7	16.1



Instrument :
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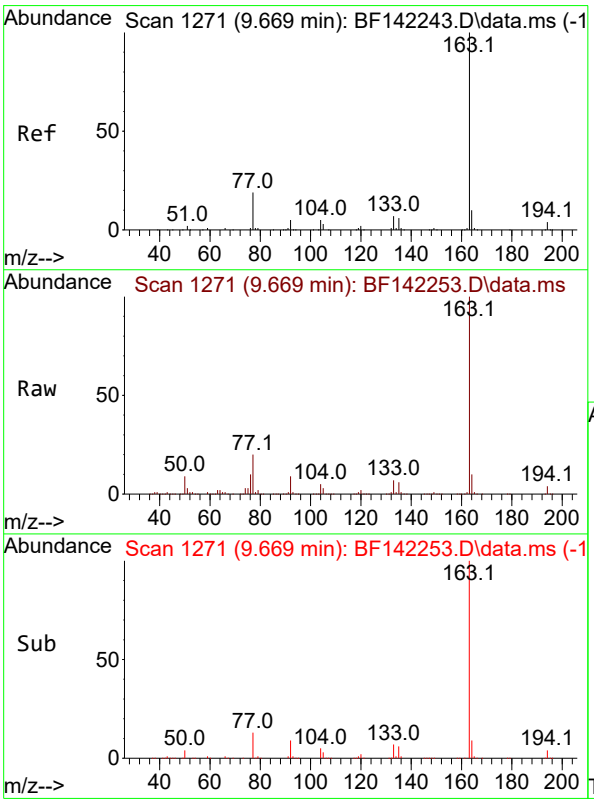
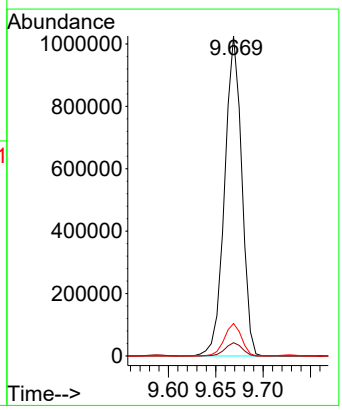
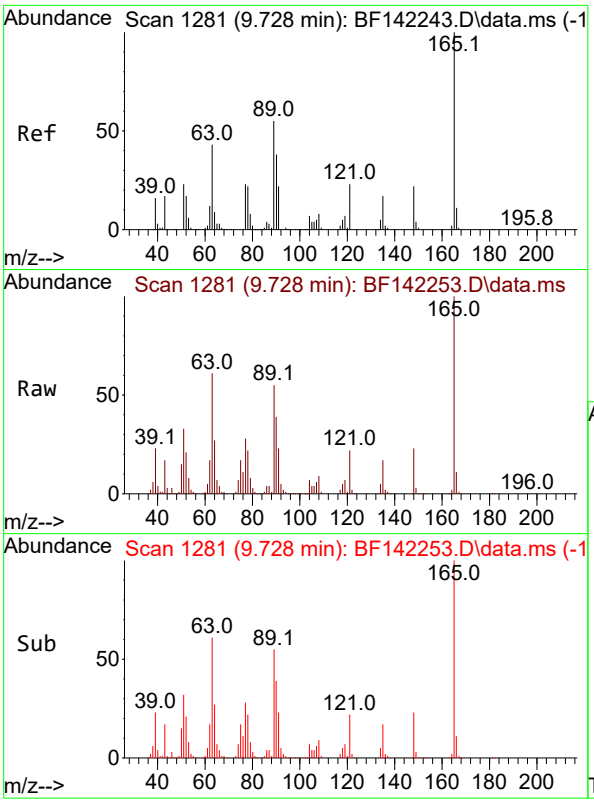


#50
Dimethylphthalate
Concen: 42.733 ng
RT: 9.669 min Scan# 1271
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:163 Resp: 1290455

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.2	4.8
164	10.1	8.2	12.2

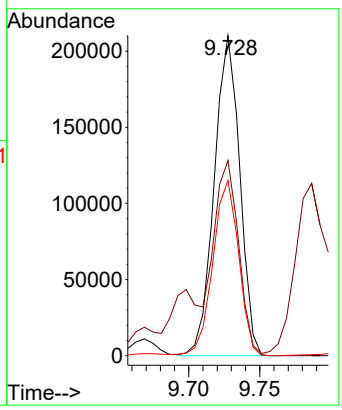




#51
2,6-Dinitrotoluene
Concen: 45.558 ng
RT: 9.728 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:165 Resp: 26258

Ion	Ratio	Lower	Upper
165	100		
63	61.0	48.5	72.7
89	54.8	43.9	65.9



Instrument :
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ClientSampleId :
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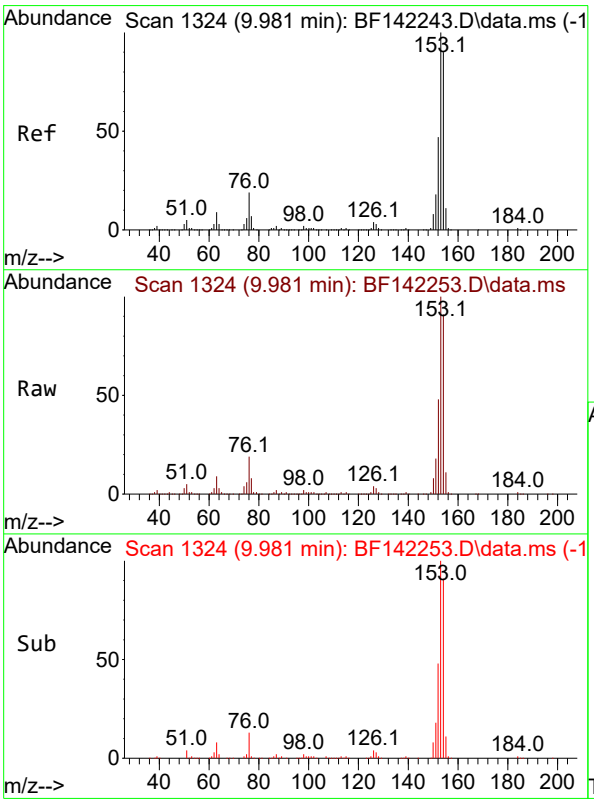
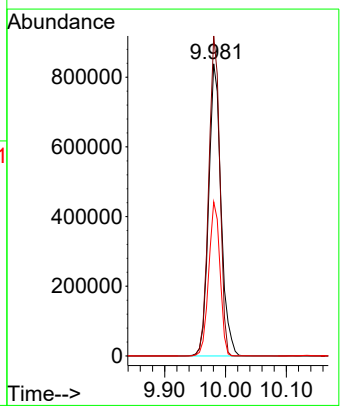
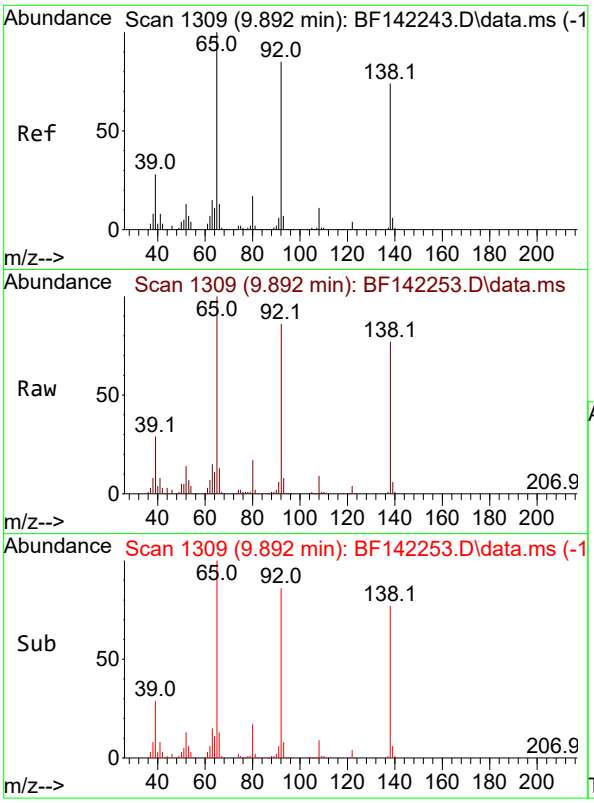


#52
Acenaphthene
Concen: 44.012 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:154 Resp: 1183957

Ion	Ratio	Lower	Upper
154	100		
153	109.6	88.6	133.0
152	52.8	42.1	63.1

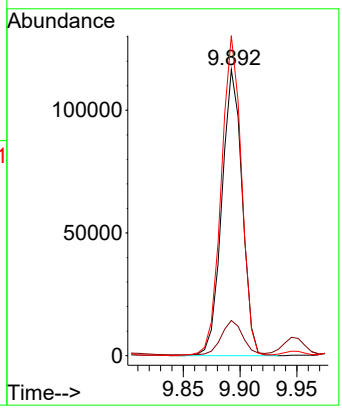




#53
3-Nitroaniline
Concen: 22.378 ng
RT: 9.892 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:138 Resp: 14483

Ion	Ratio	Lower	Upper
138	100		
108	12.3	11.7	17.5
92	111.8	91.2	136.8



Instrument :
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ClientSampleId :
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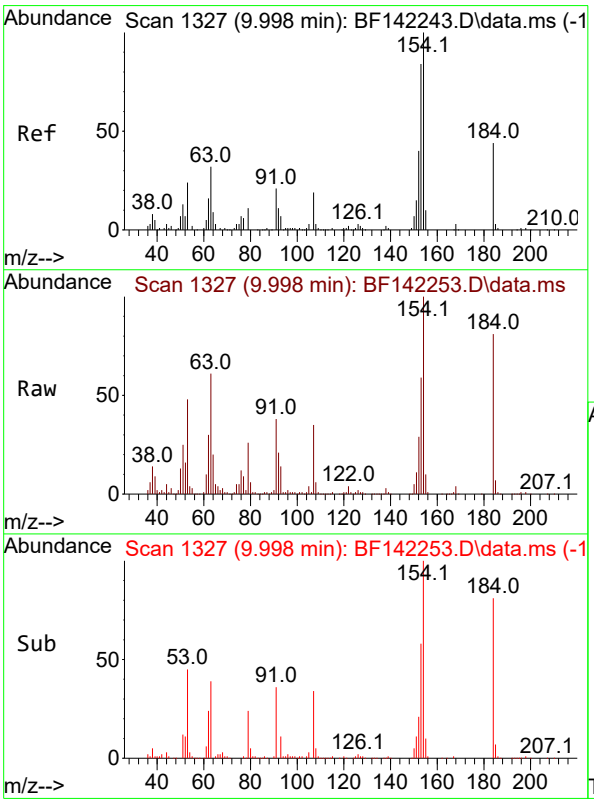
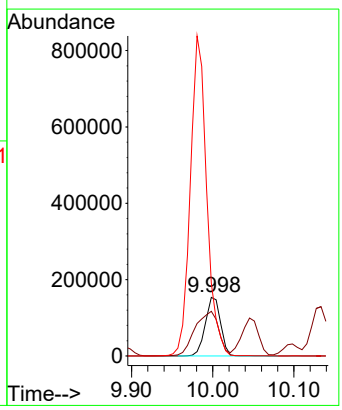
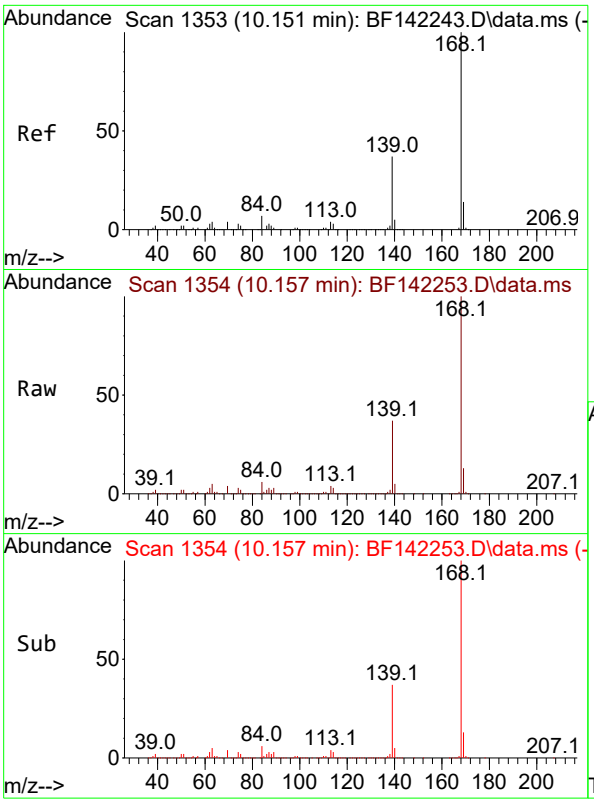


#54
2,4-Dinitrophenol
Concen: 91.584 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:184 Resp: 199878

Ion	Ratio	Lower	Upper
184	100		
63	76.1	69.2	103.8
154	124.0	271.4	407.2#

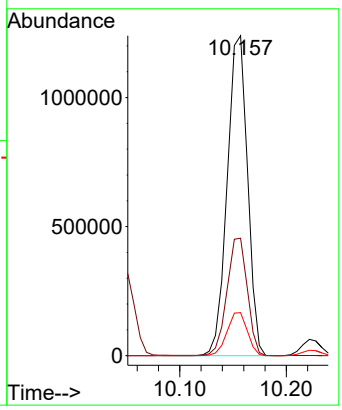




#55
Dibenzofuran
Concen: 40.663 ng
RT: 10.157 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:168 Resp: 163972

Ion	Ratio	Lower	Upper
168	100		
139	36.7	29.4	44.0
169	13.4	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
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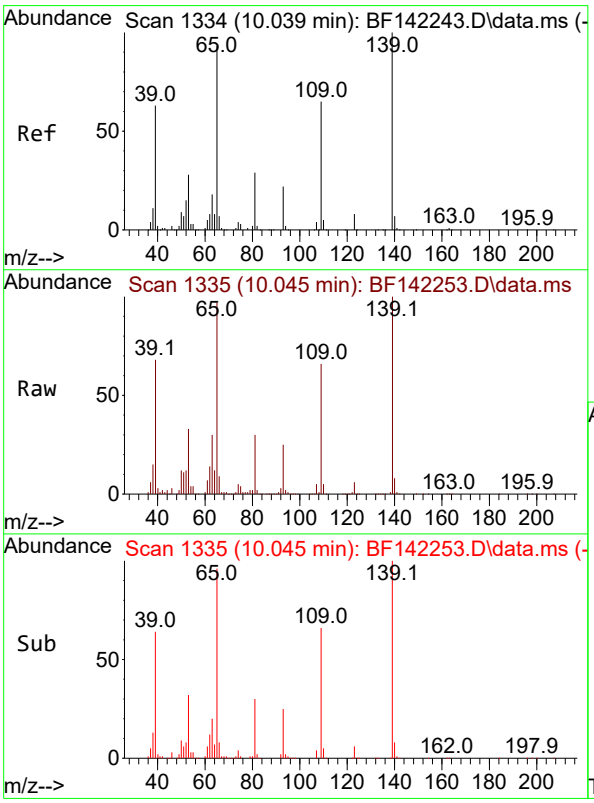
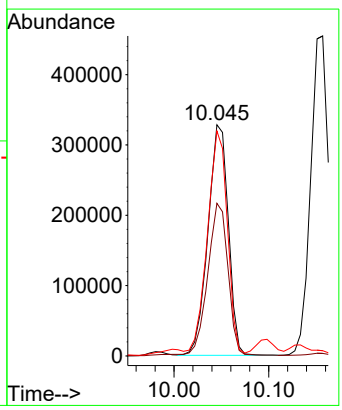
Supervised By :Jagrut Upadhyay 05/02/2025

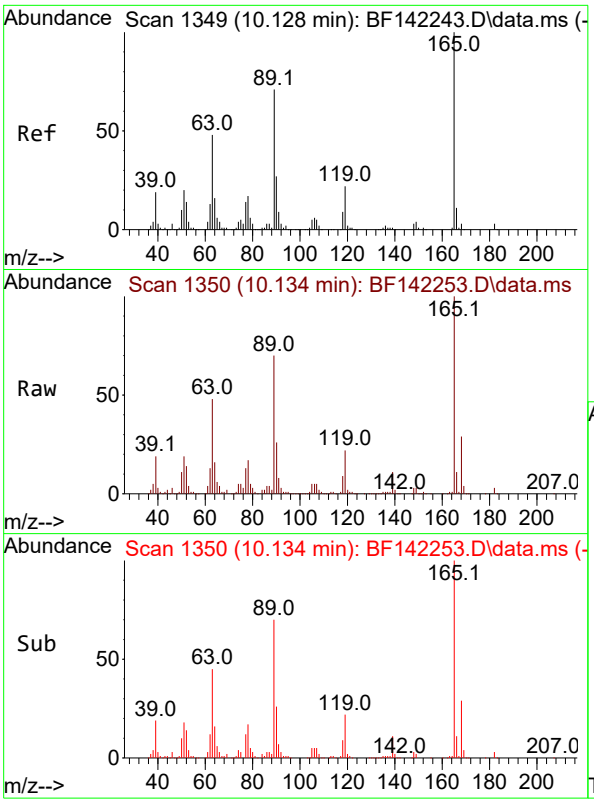


#56
4-Nitrophenol
Concen: 103.057 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:139 Resp: 489174

Ion	Ratio	Lower	Upper
139	100		
109	66.0	44.9	84.9
65	97.3	74.7	114.7

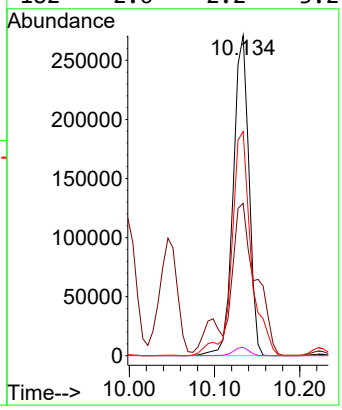




#57
2,4-Dinitrotoluene
Concen: 49.318 ng
RT: 10.134 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:165 Resp: 34688

Ion	Ratio	Lower	Upper
165	100		
63	47.6	38.8	58.2
89	70.1	57.1	85.7
182	2.6	2.2	3.2



Instrument :
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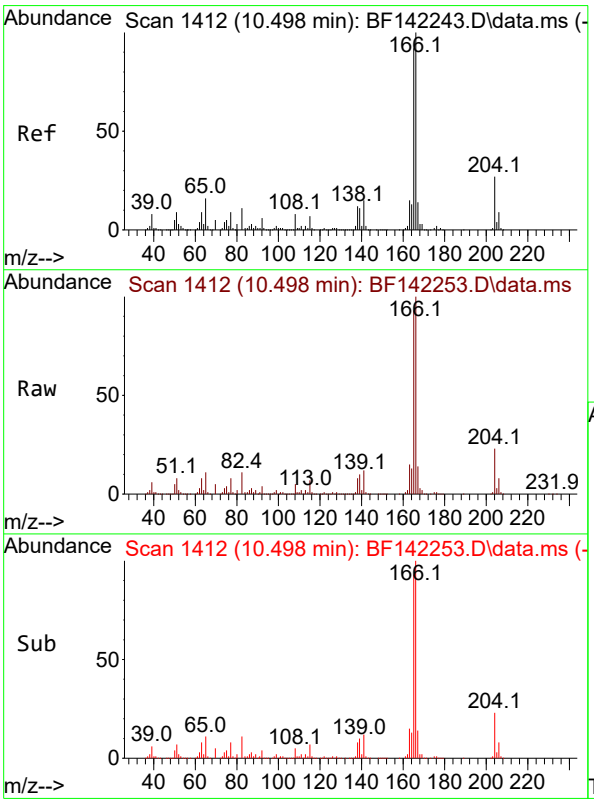
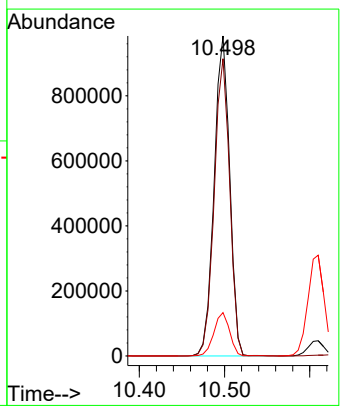
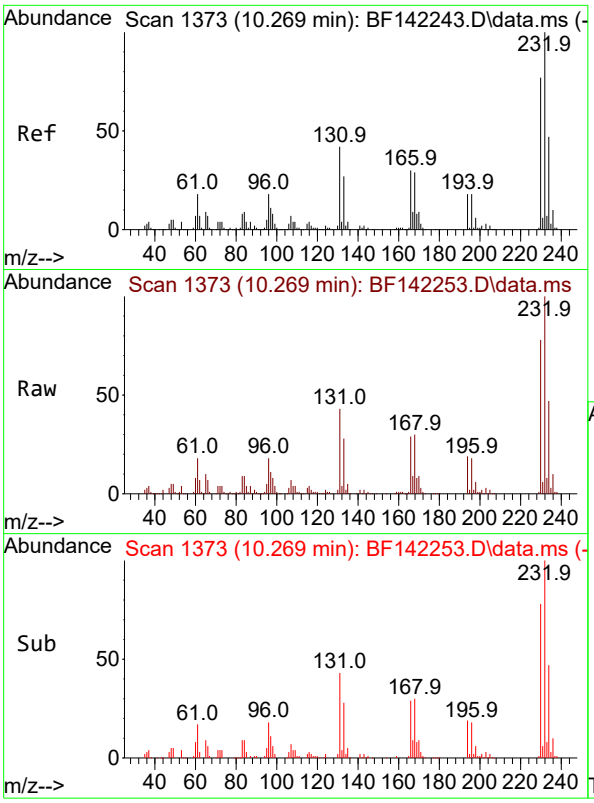


#58
Fluorene
Concen: 40.708 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:166 Resp: 1248146

Ion	Ratio	Lower	Upper
166	100		
165	92.9	73.9	110.9
167	13.6	10.8	16.2

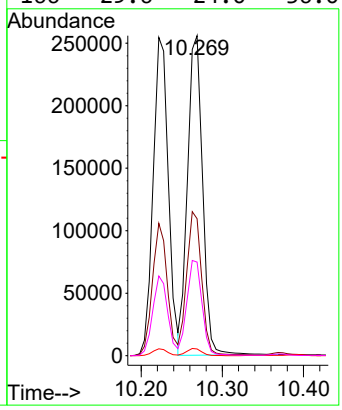




#59
2,3,4,6-Tetrachlorophenol
Concen: 46.189 ng
RT: 10.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:232 Resp: 33114

Ion	Ratio	Lower	Upper
232	100		
131	45.0	35.9	53.9
130	2.3	1.8	2.6
166	29.6	24.0	36.0



Instrument :
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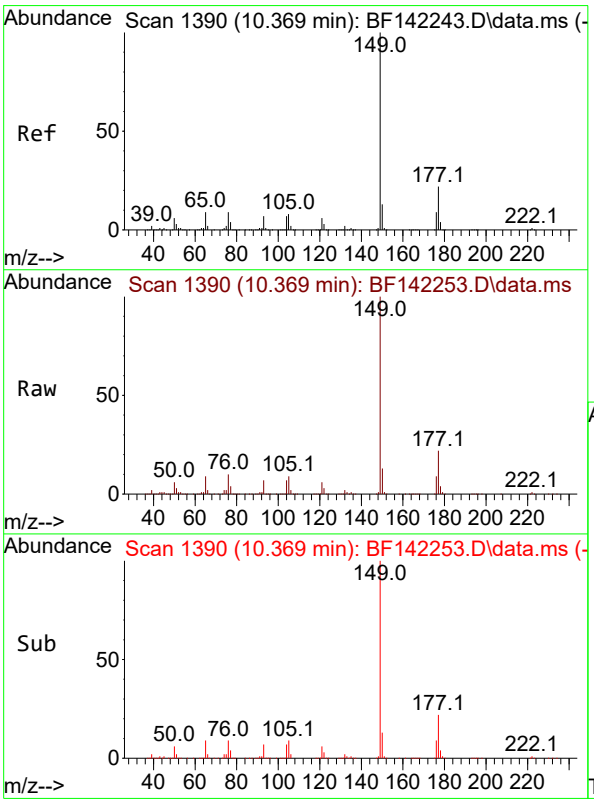
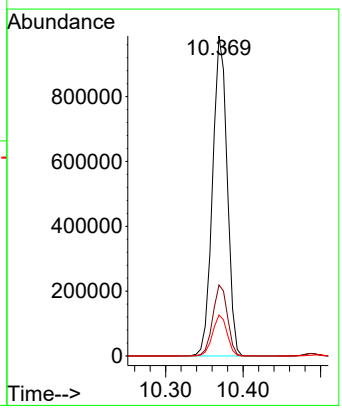
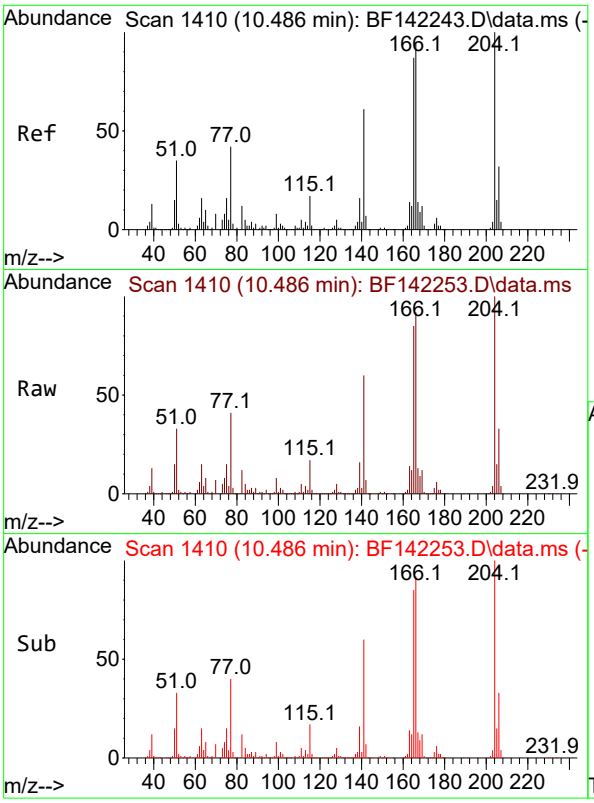


#60
Diethylphthalate
Concen: 43.172 ng
RT: 10.369 min Scan# 1390
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:149 Resp: 1287411

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.6	26.4
150	12.8	10.2	15.2





#61
4-Chlorophenyl-phenylether
Concen: 41.309 ng
RT: 10.486 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:204 Resp: 60150

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.6	38.4
141	60.0	48.9	73.3

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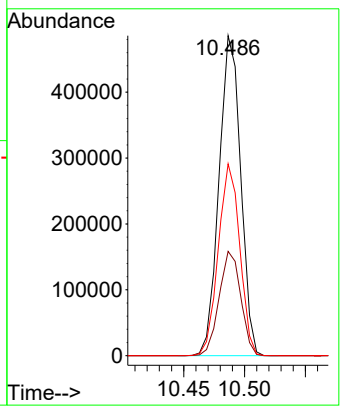
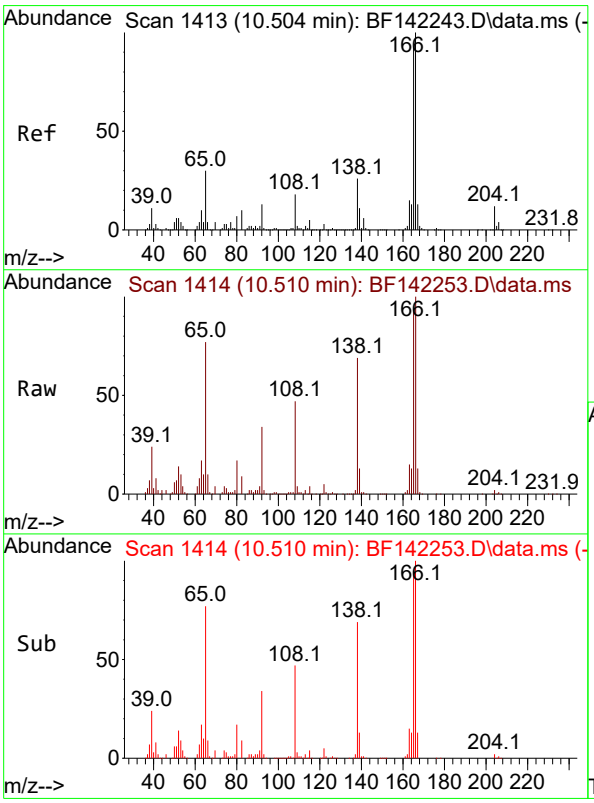
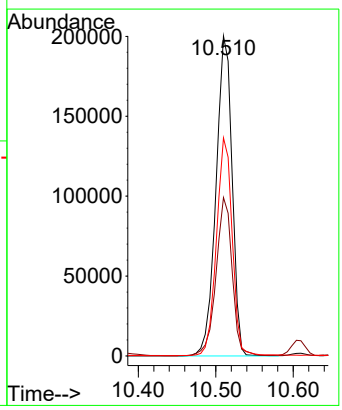


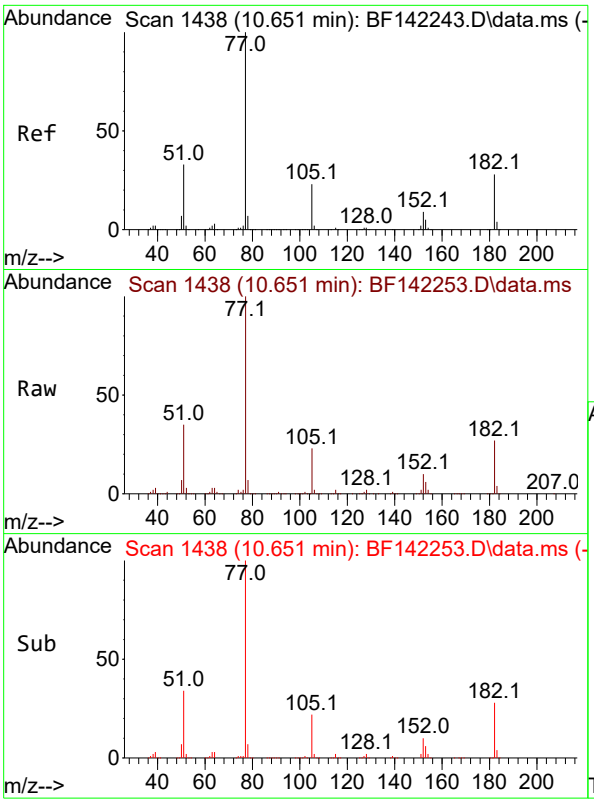


#62
4-Nitroaniline
Concen: 45.282 ng
RT: 10.510 min Scan# 1414
Delta R.T. 0.006 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:138 Resp: 288950

Ion	Ratio	Lower	Upper
138	100		
92	49.5	29.2	69.2
108	68.1	49.1	89.1

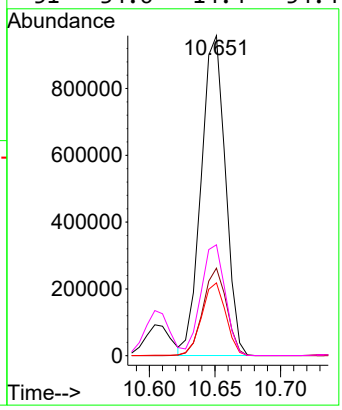




#63
Azobenzene
Concen: 41.902 ng
RT: 10.651 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion: 77 Resp: 123388

Ion	Ratio	Lower	Upper
77	100		
182	27.4	7.3	47.3
105	22.8	2.5	42.5
51	34.6	14.4	54.4



Instrument :
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ClientSampleId :
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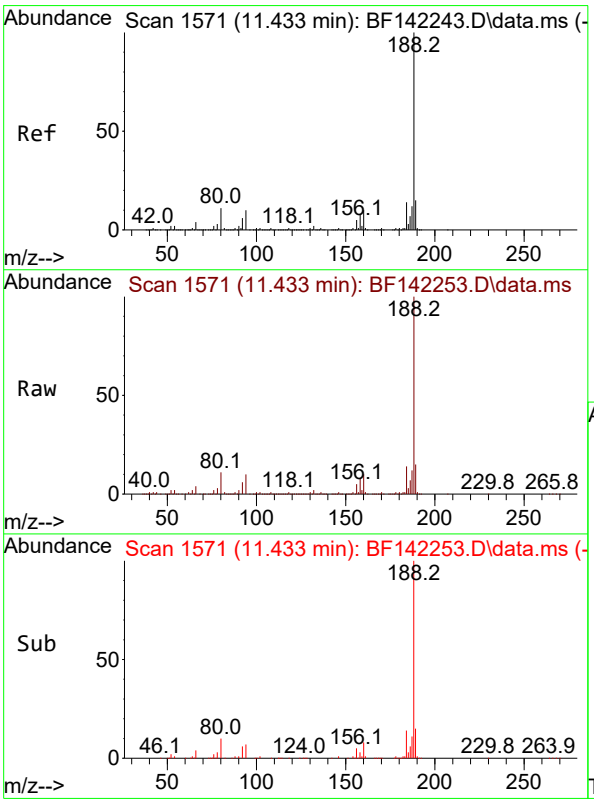
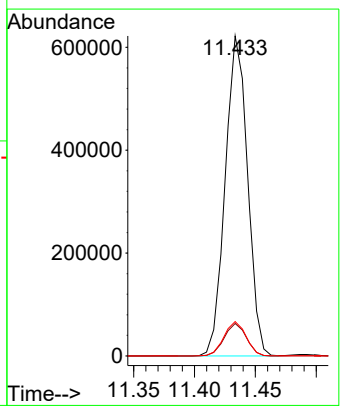
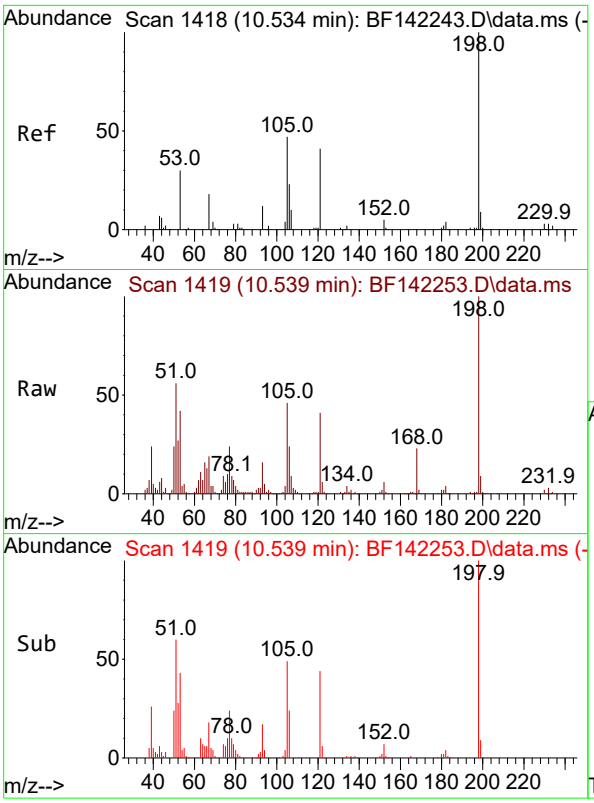


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:188 Resp: 796412

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.2	12.2
80	10.8	8.6	12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 48.731 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.005 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:198 Resp: 12838

Ion	Ratio	Lower	Upper
198	100		
51	55.7	40.6	80.6
105	45.8	29.2	69.2

Instrument :
BNA_F
ClientSampleId :
PB167798BSD

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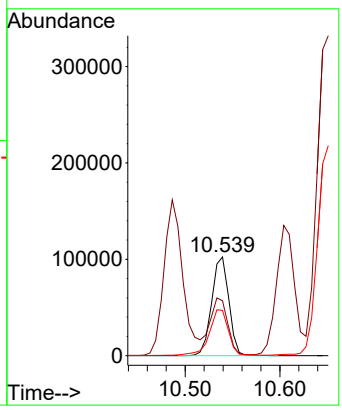
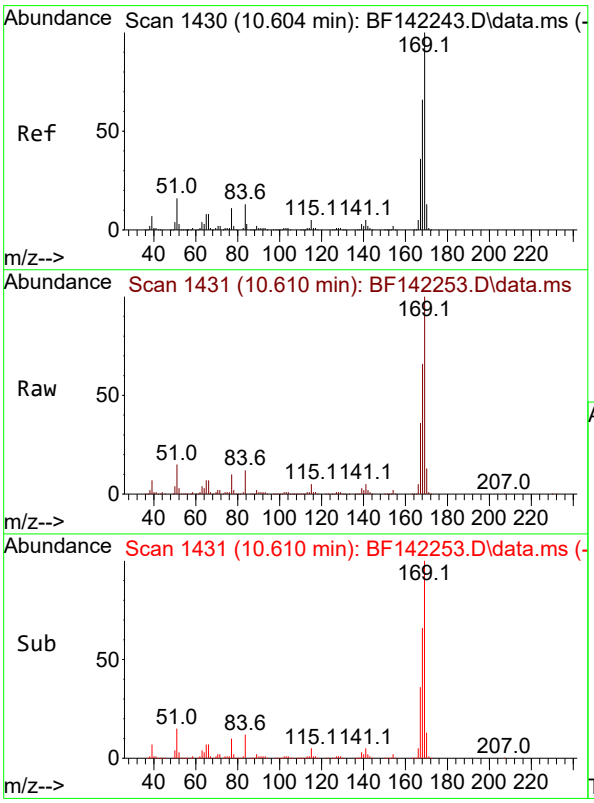
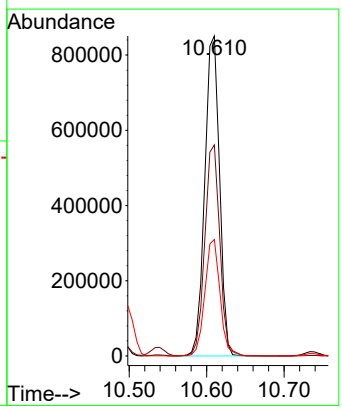


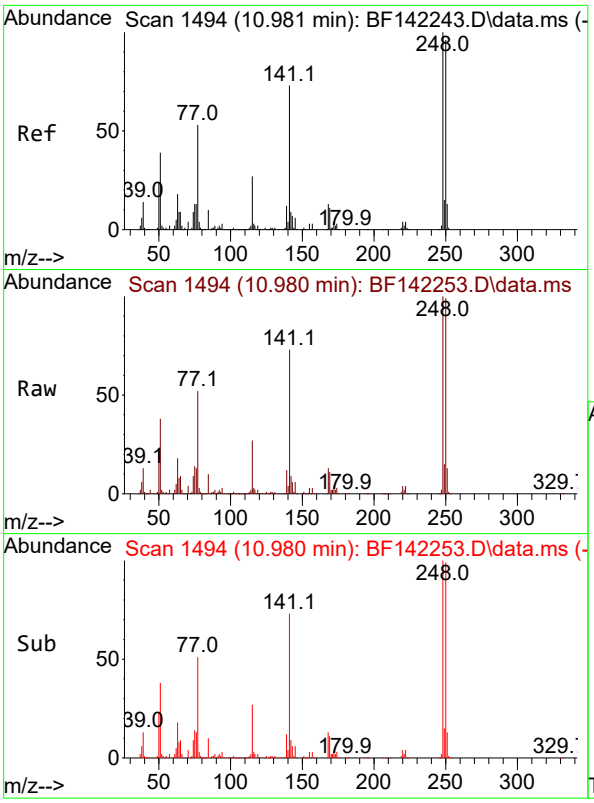


#66
n-Nitrosodiphenylamine
Concen: 41.318 ng
RT: 10.610 min Scan# 1431
Delta R.T. 0.006 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:169 Resp: 1124320

Ion	Ratio	Lower	Upper
169	100		
168	66.0	53.0	79.6
167	36.4	28.8	43.2





#67
4-Bromophenyl-phenylether
Concen: 42.436 ng
RT: 10.980 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:248 Resp: 37638

Ion	Ratio	Lower	Upper
248	100		
250	98.7	77.2	115.8
141	72.7	58.4	87.6

Instrument :
BNA_F
ClientSampleId :
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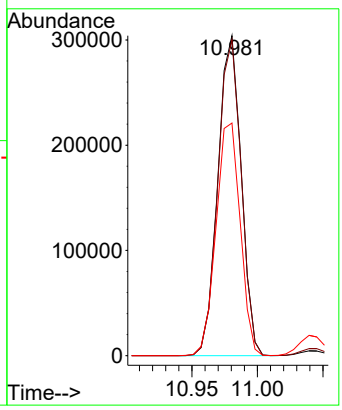
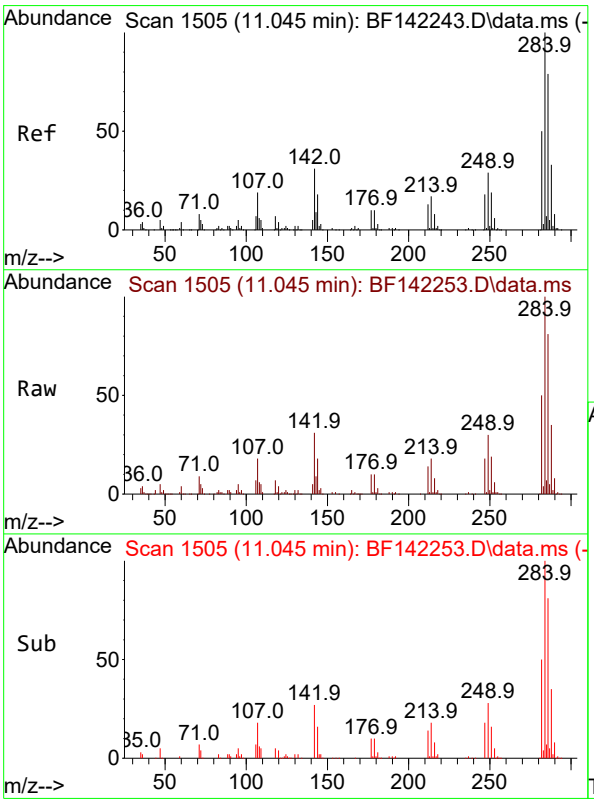
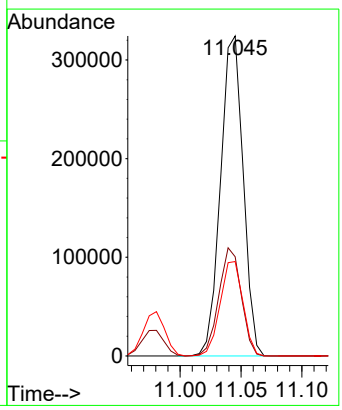


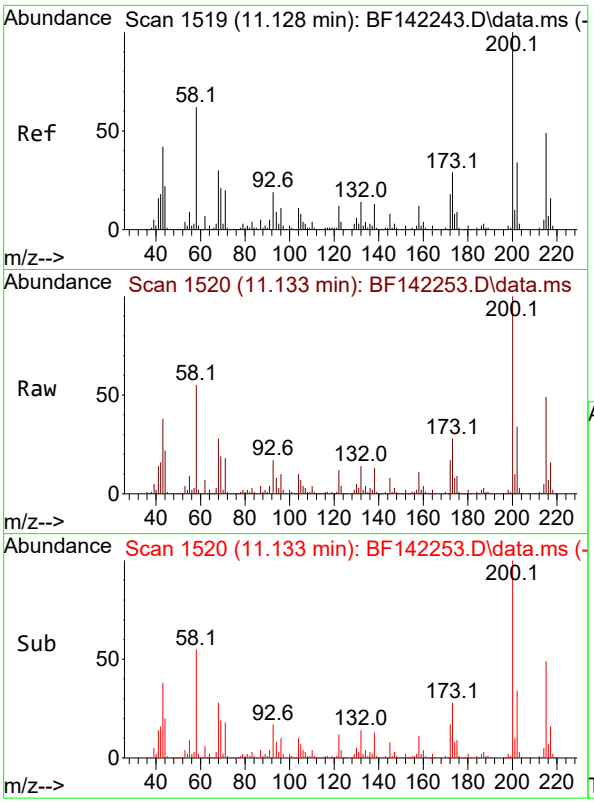


#68
Hexachlorobenzene
Concen: 42.212 ng
RT: 11.045 min Scan# 1505
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:284 Resp: 419316

Ion	Ratio	Lower	Upper
284	100		
142	31.0	24.6	37.0
249	29.5	23.2	34.8

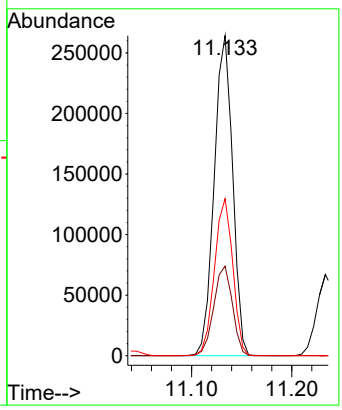




#69
Atrazine
Concen: 47.058 ng
RT: 11.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:200 Resp: 33753

Ion	Ratio	Lower	Upper
200	100		
173	28.0	8.6	48.6
215	49.0	28.5	68.5



Instrument :
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ClientSampleId :
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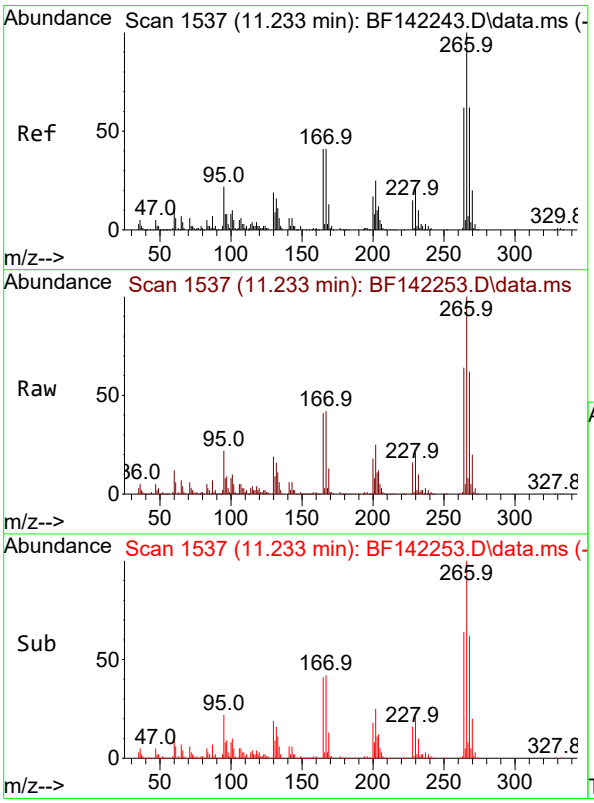
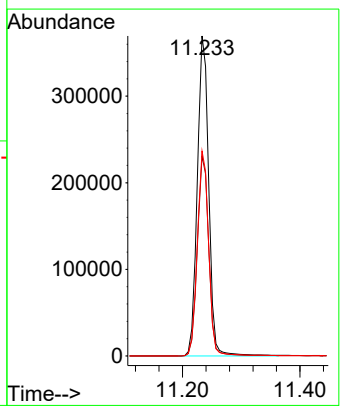
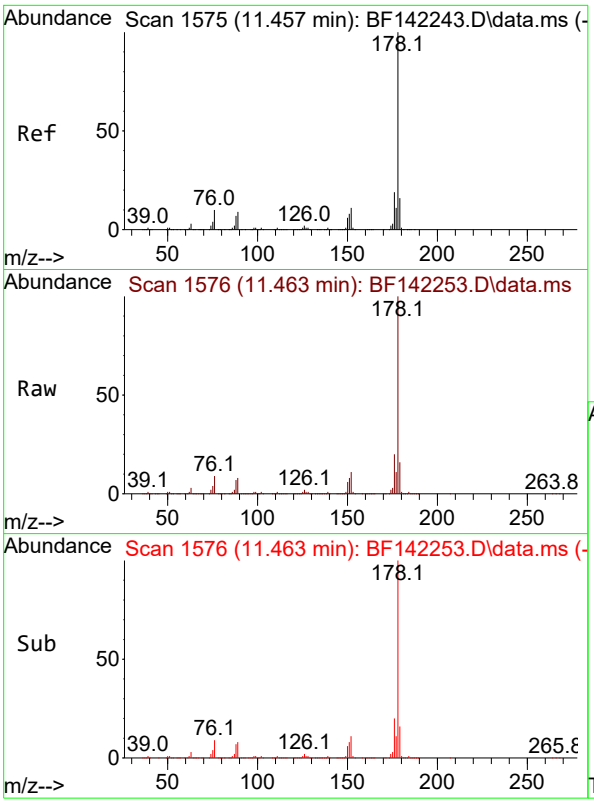


#70
Pentachlorophenol
Concen: 94.688 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:266 Resp: 496901

Ion	Ratio	Lower	Upper
266	100		
268	62.5	50.0	75.0
264	64.1	49.3	73.9





#71
Phenanthrene
Concen: 40.693 ng
RT: 11.463 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:178 Resp: 175055

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.5	23.3
179	15.7	12.6	19.0

Instrument :
BNA_F
ClientSampleId :
PB167798BSD

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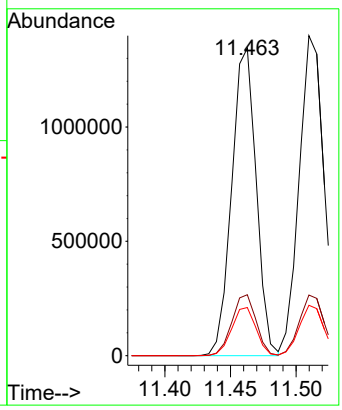
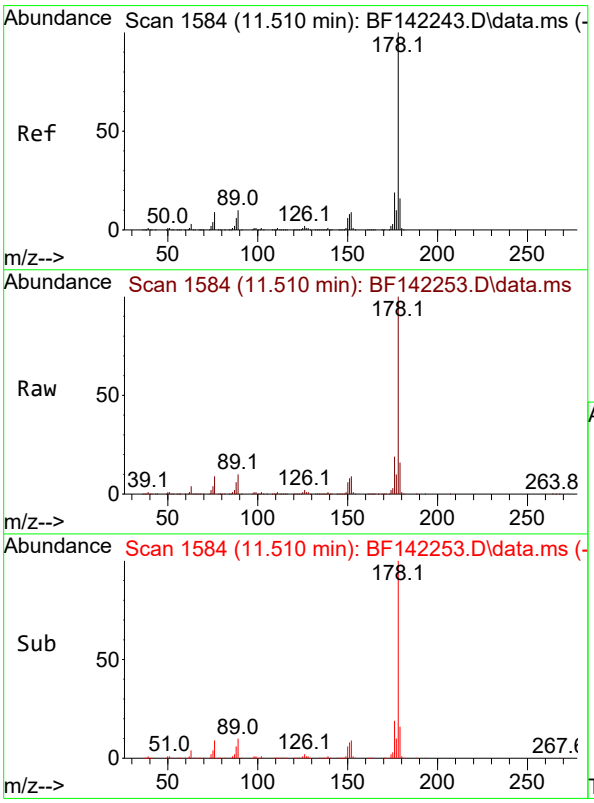
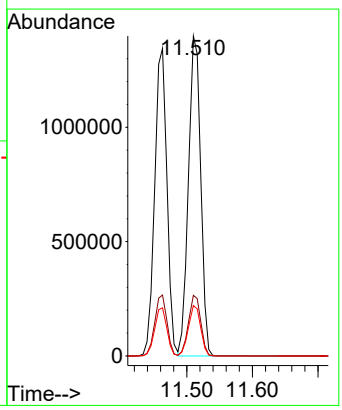


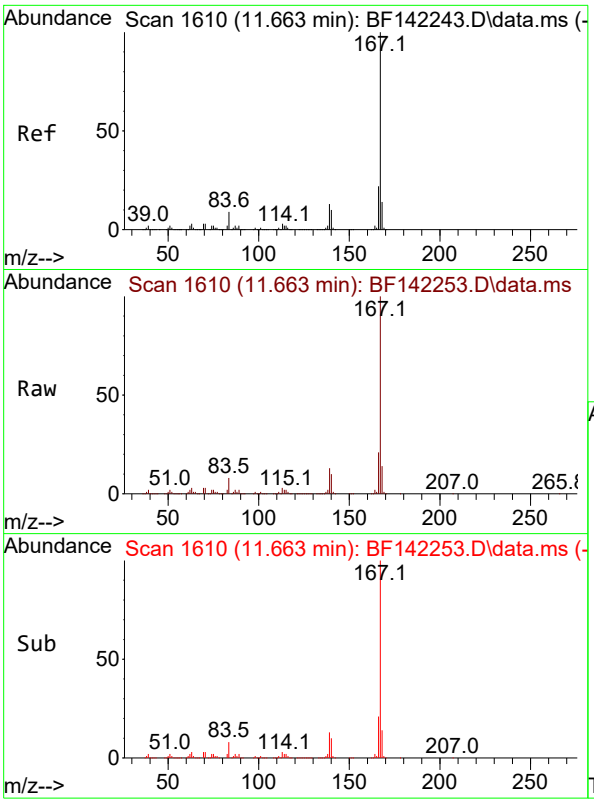


#72
Anthracene
Concen: 41.306 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:178 Resp: 1816790

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.8	12.7	19.1

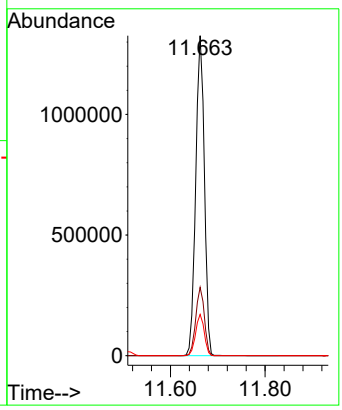




#73
Carbazole
Concen: 42.099 ng
RT: 11.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:167 Resp: 168911

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.3	25.9
139	12.9	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
PB167798BSD

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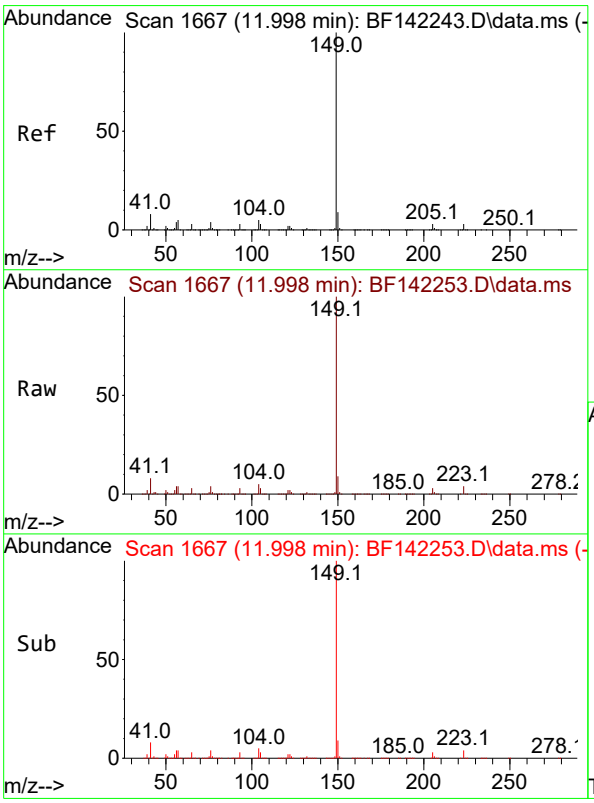
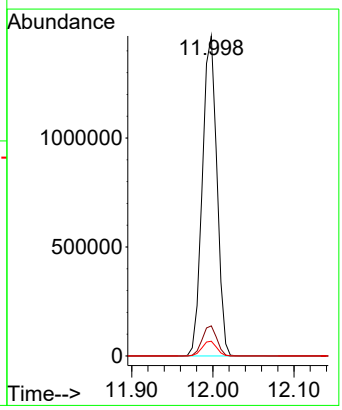
Supervised By :Jagrut Upadhyay 05/02/2025

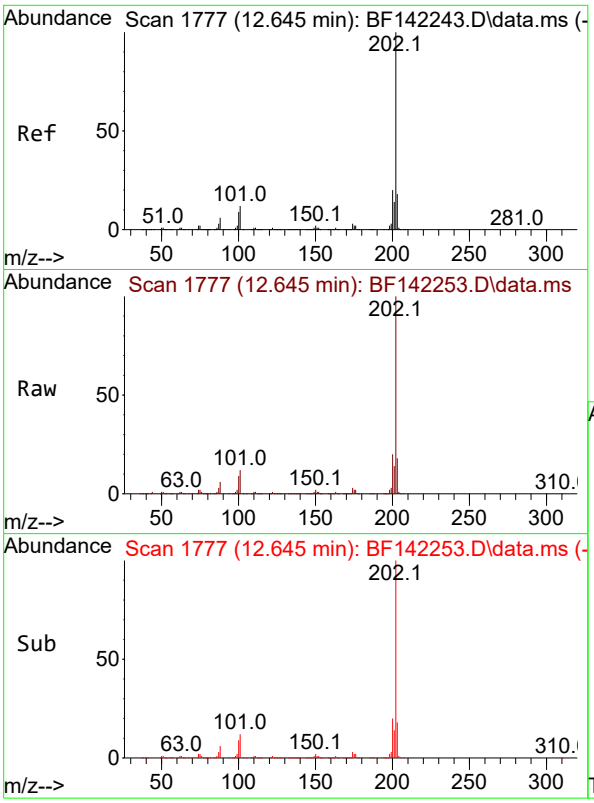


#74
Di-n-butylphthalate
Concen: 45.248 ng
RT: 11.998 min Scan# 1667
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:149 Resp: 1825873

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.6	3.6	5.4

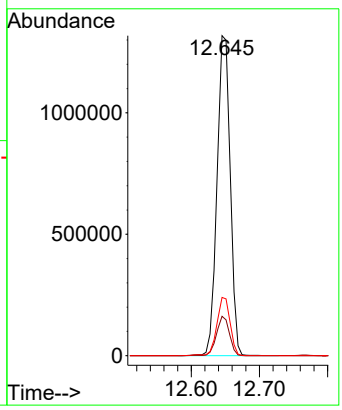




#75
Fluoranthene
Concen: 41.799 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:202 Resp: 177749

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	32.4
203	18.2	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
PB167798BSD

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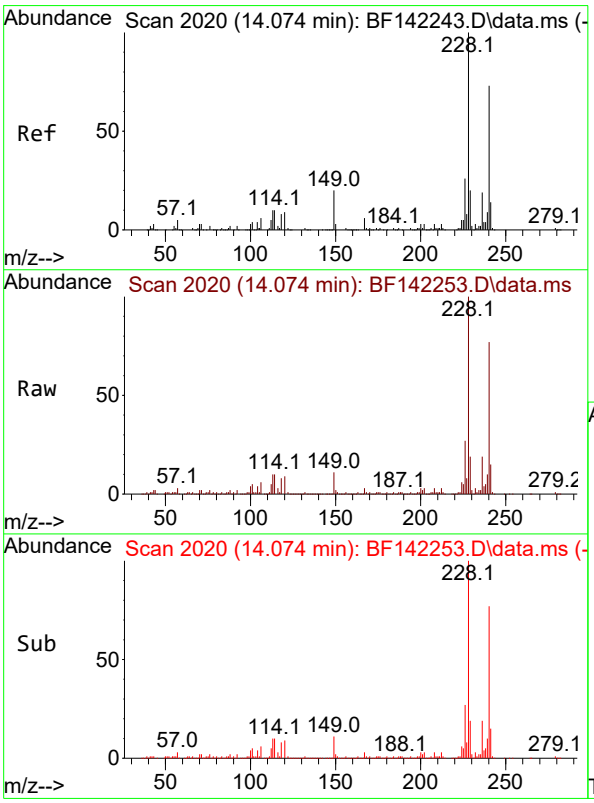
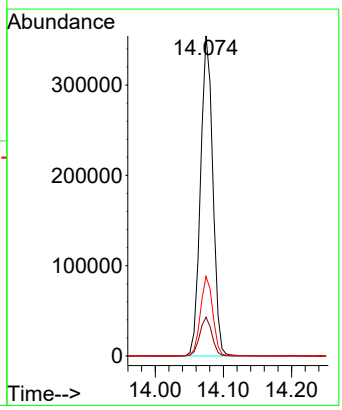
Supervised By :Jagrut Upadhyay 05/02/2025

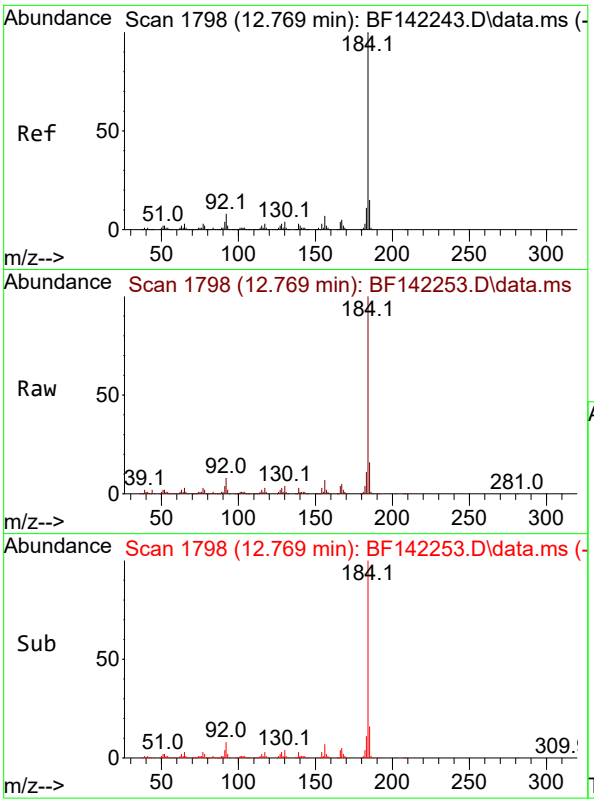


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:240 Resp: 445019

Ion	Ratio	Lower	Upper
240	100		
120	12.1	10.1	15.1
236	24.9	20.5	30.7

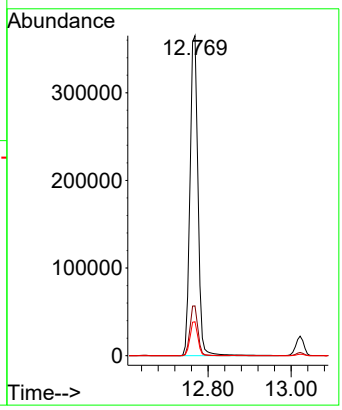




#77
Benzidine
Concen: 25.584 ng
RT: 12.769 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:184 Resp: 48378

Ion	Ratio	Lower	Upper
184	100		
185	15.6	11.8	17.6
183	10.6	8.9	13.3



Instrument :
BNA_F
ClientSampleId :
PB167798BSD

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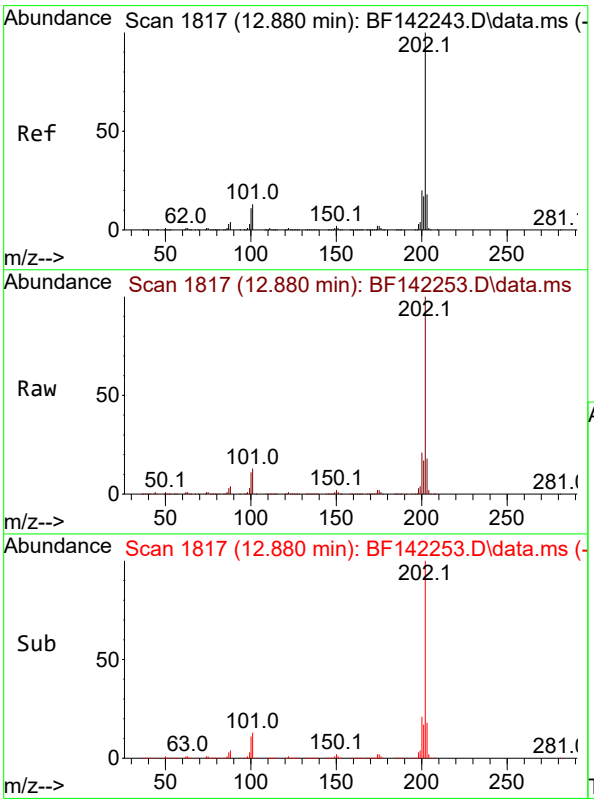
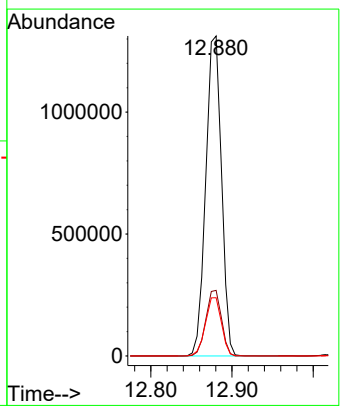
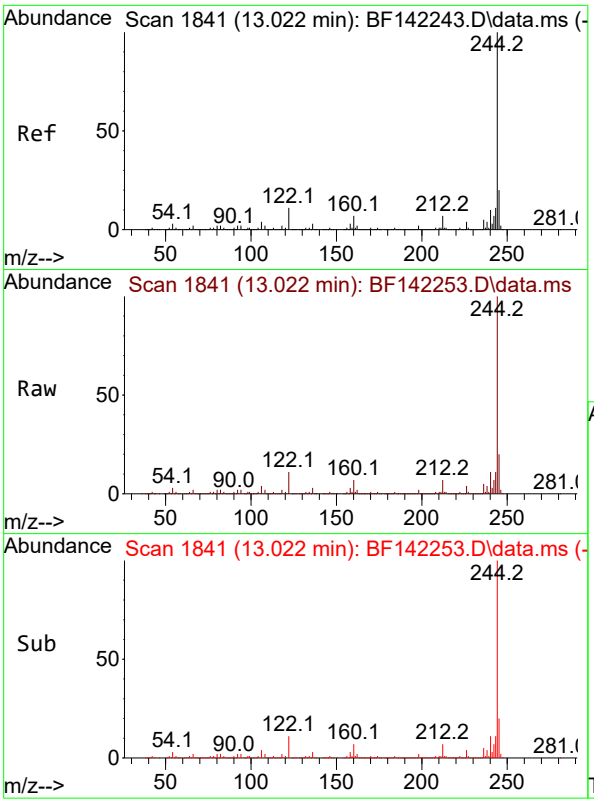


#78
Pyrene
Concen: 42.962 ng
RT: 12.880 min Scan# 1817
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:202 Resp: 1763648

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.1	24.1
203	18.2	14.1	21.1

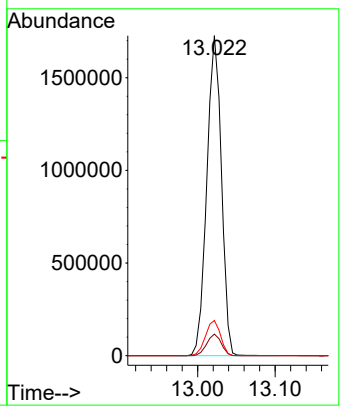




#79
Terphenyl-d14
Concen: 73.788 ng
RT: 13.022 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:244 Resp: 225776

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.3	7.9
122	11.0	9.1	13.7



Instrument :
BNA_F
ClientSampleId :
PB167798BSD

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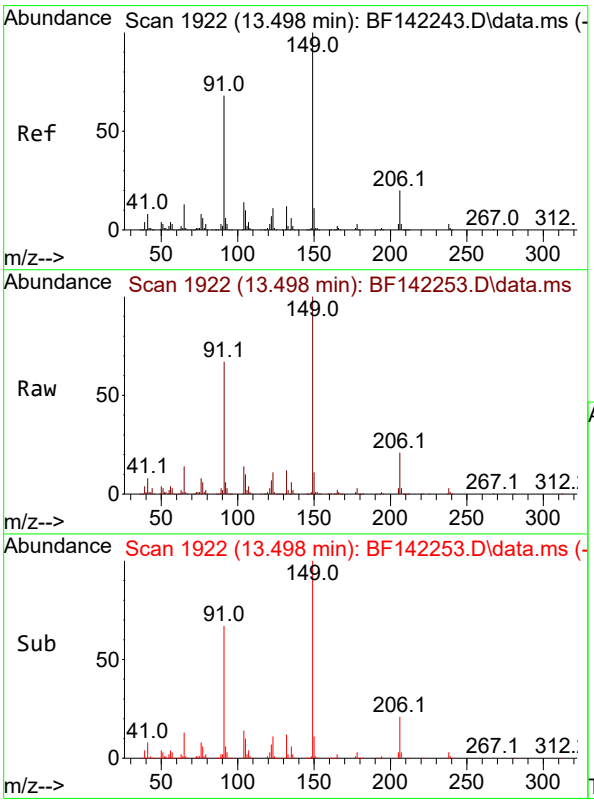
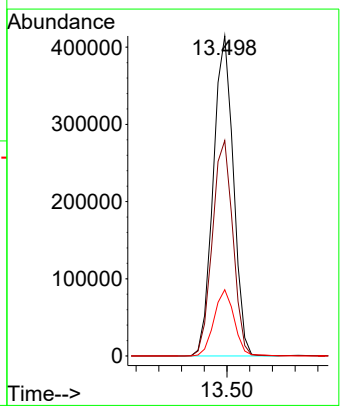
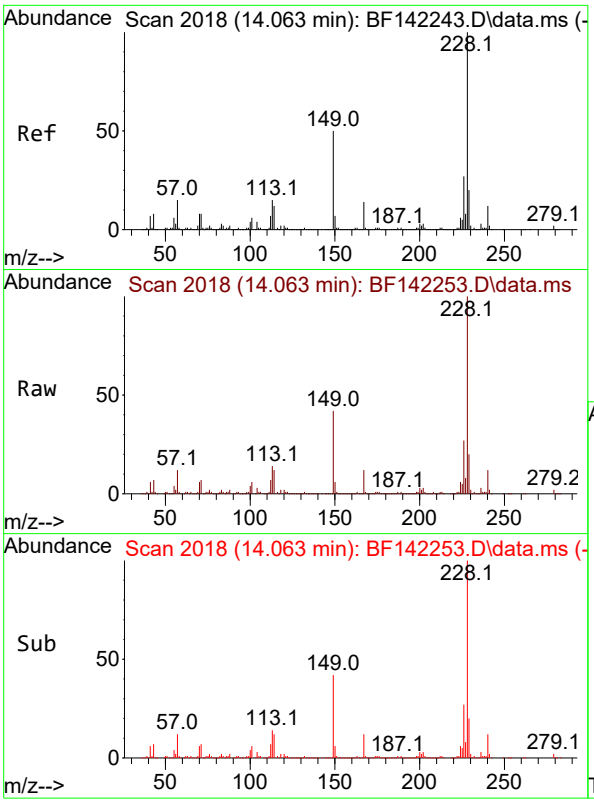


#80
Butylbenzylphthalate
Concen: 45.709 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:149 Resp: 510891

Ion	Ratio	Lower	Upper
149	100		
91	67.3	54.4	81.6
206	20.7	15.9	23.9





#81
Benzo(a)anthracene
Concen: 41.291 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Instrument :
BNA_F
ClientSampleId :
PB167798BSD

Tgt Ion:228 Resp: 123356

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	19.9	16.0	24.0

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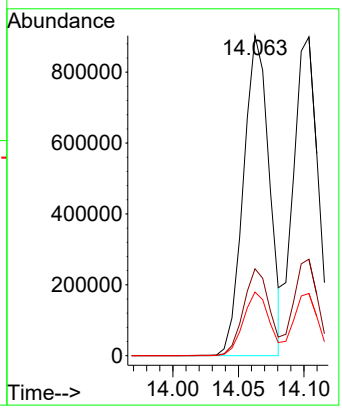
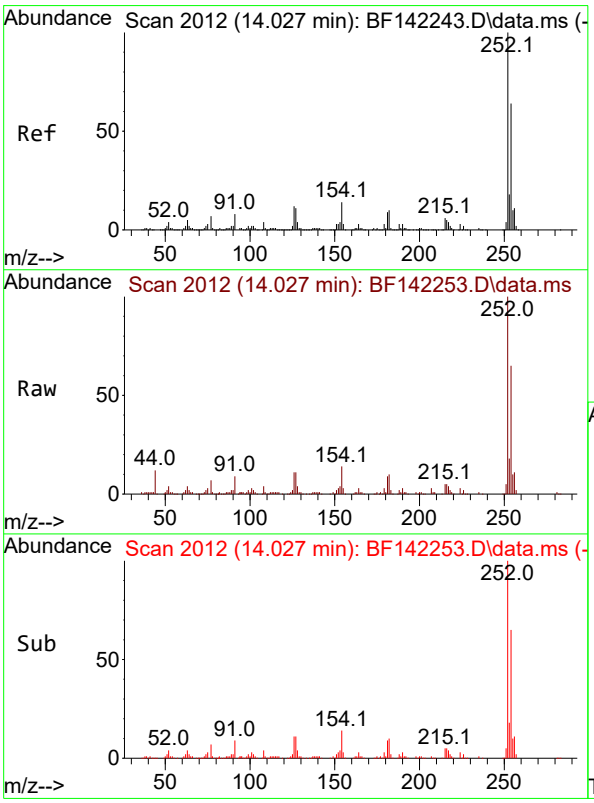
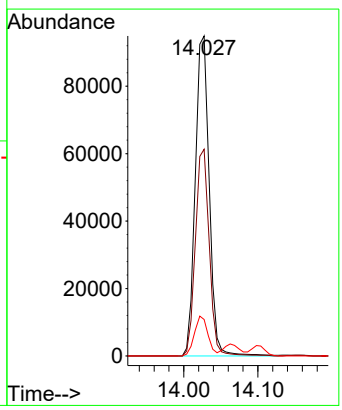


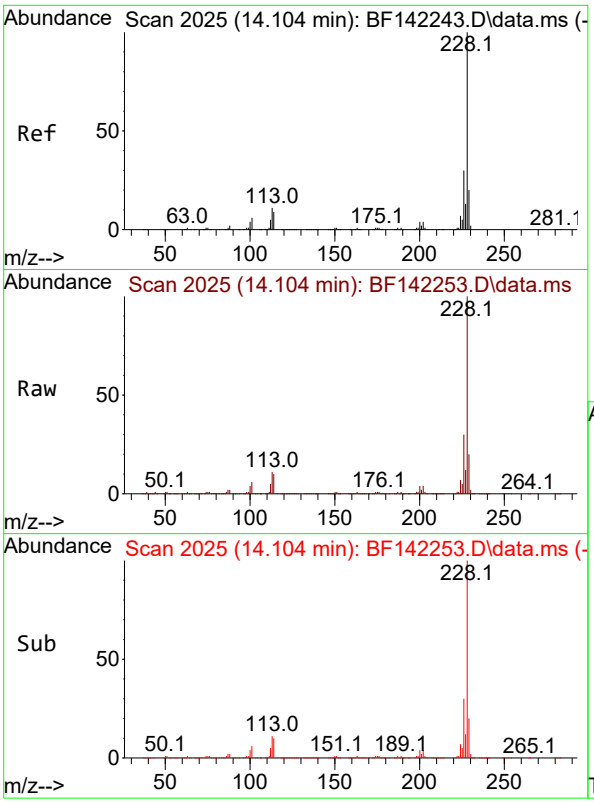


#82
3,3'-Dichlorobenzidine
Concen: 14.182 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:252 Resp: 124446

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.0	76.6
126	11.4	9.4	14.2

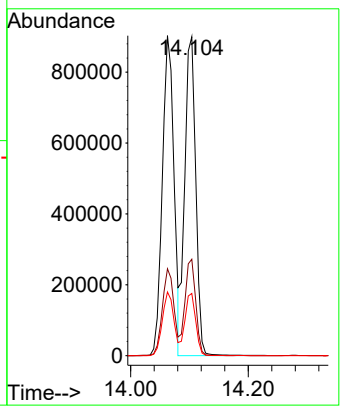




#83
Chrysene
Concen: 43.030 ng
RT: 14.104 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:228 Resp: 117016

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	19.5	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
PB167798BSD

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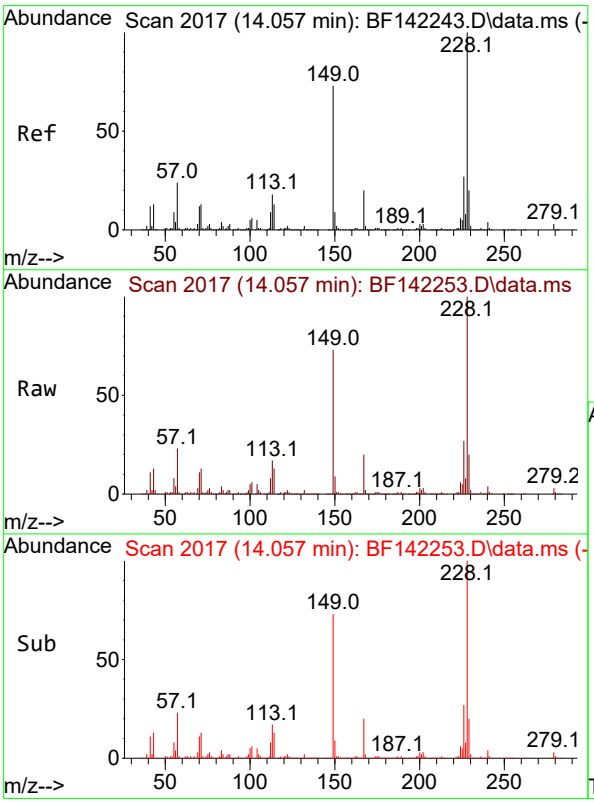
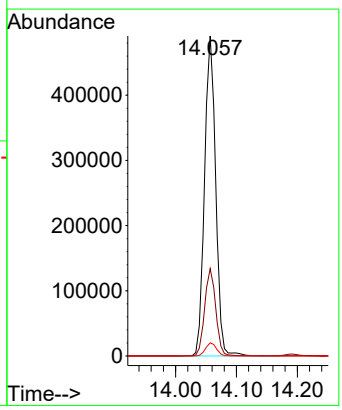
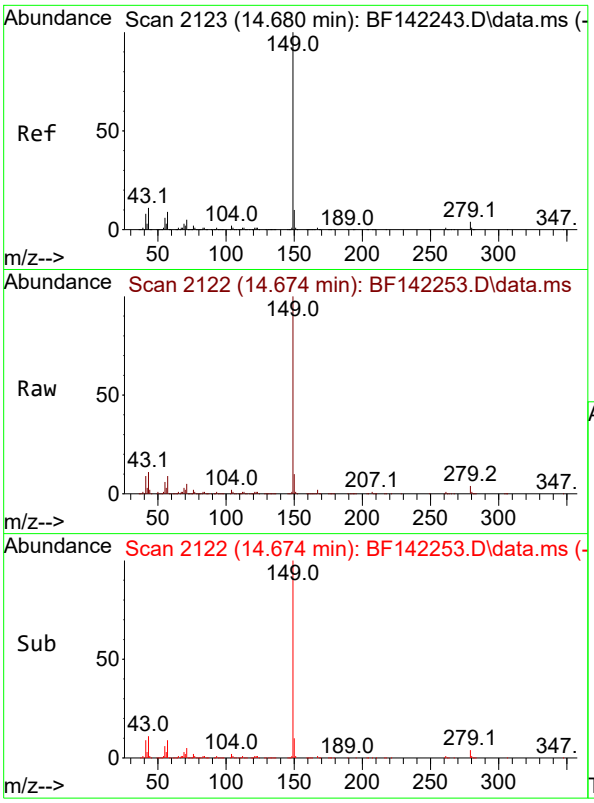


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.625 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:149 Resp: 622700

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.7	32.5
279	4.1	3.0	4.4





#85
Di-n-octyl phthalate
Concen: 41.525 ng
RT: 14.674 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Instrument :
BNA_F
ClientSampleId :
PB167798BSD

Tgt Ion:149 Resp: 115671

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.1	1.7
43	11.4	9.3	13.9

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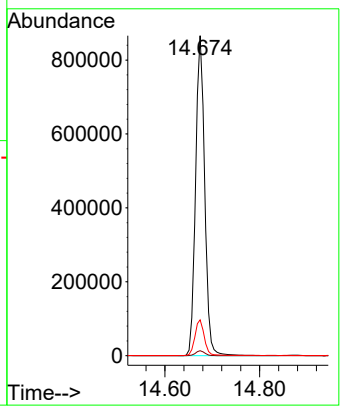
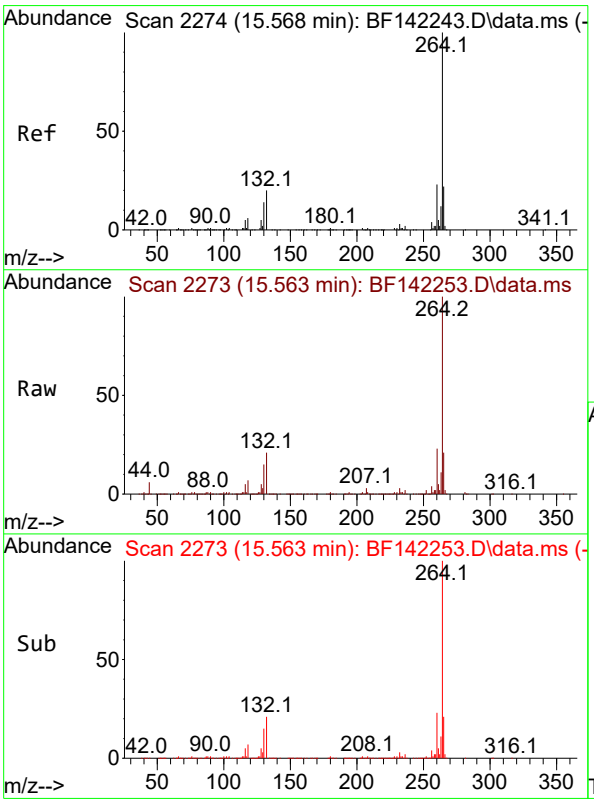
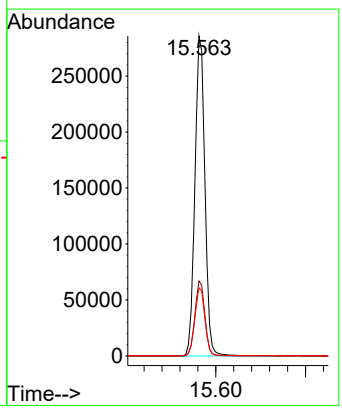


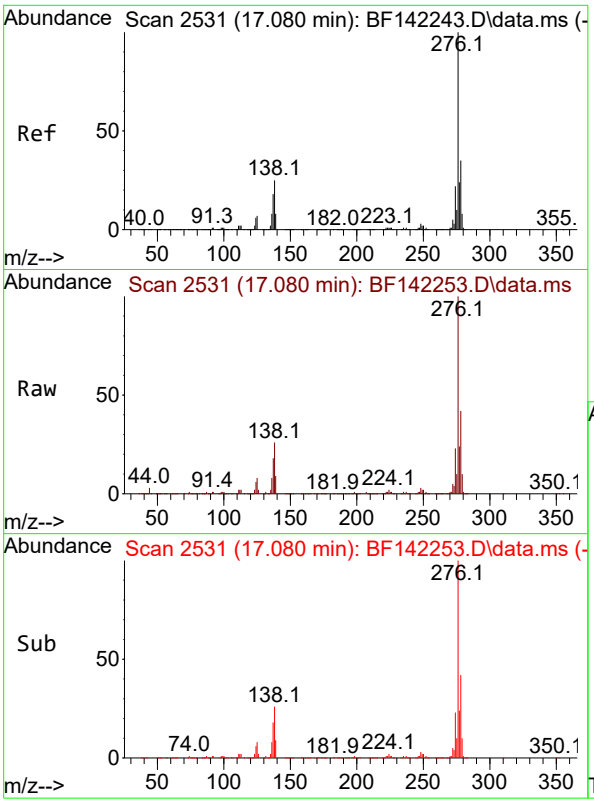


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:264 Resp: 441873

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.4	27.6
265	21.3	17.3	25.9





#87
Indeno(1,2,3-cd)pyrene
Concen: 42.786 ng
RT: 17.080 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:276 Resp: 138479

Ion	Ratio	Lower	Upper
276	100		
138	28.4	22.6	33.8
277	25.2	20.1	30.1

Instrument :
BNA_F
ClientSampleId :
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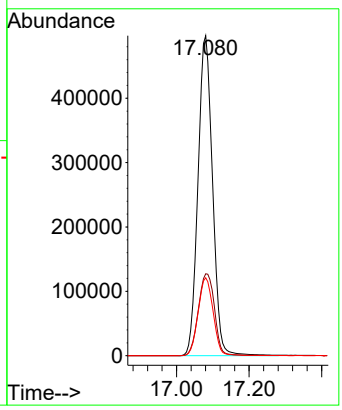
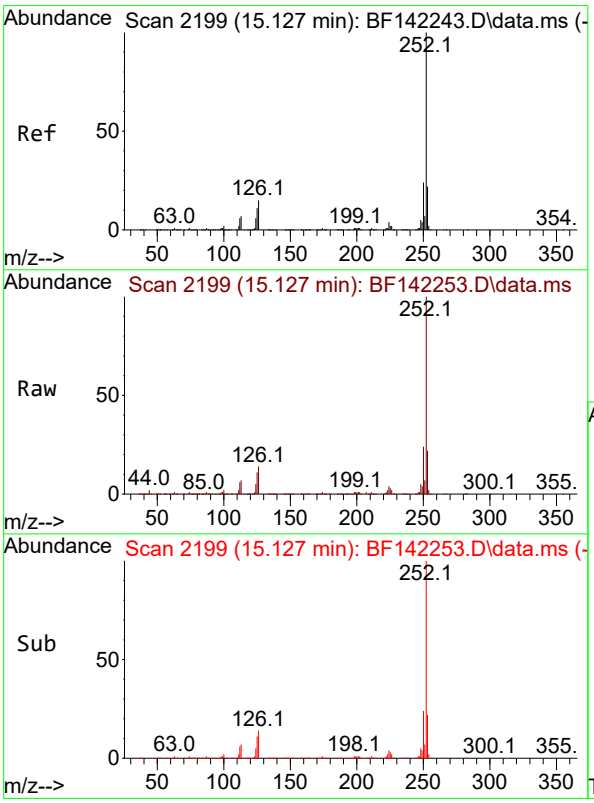
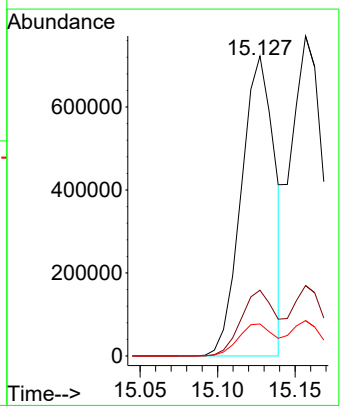


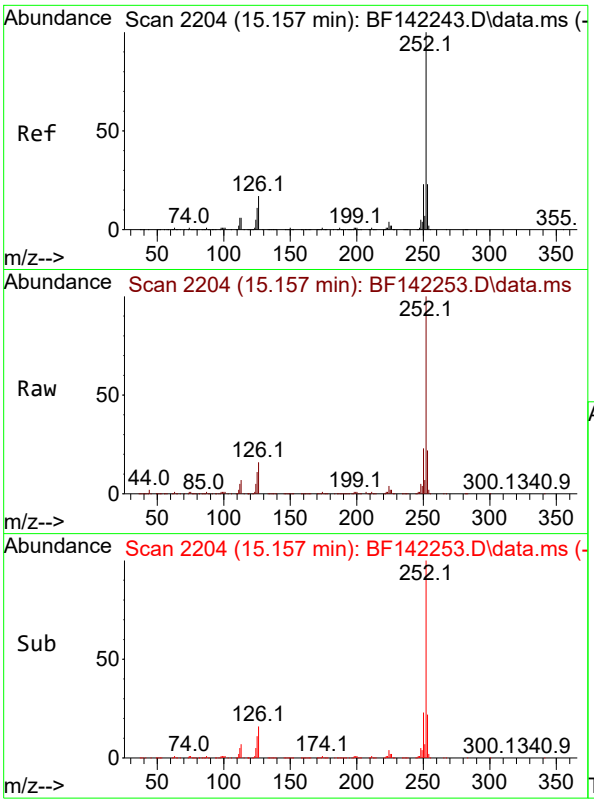


#88
Benzo(b)fluoranthene
Concen: 39.254 ng
RT: 15.127 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:252 Resp: 1077406

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	10.7	9.0	13.4

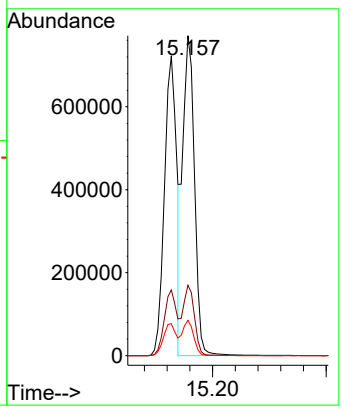




#89
Benzo(k)fluoranthene
Concen: 44.533 ng
RT: 15.157 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:252 Resp: 111801

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	11.0	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
PB167798BSD

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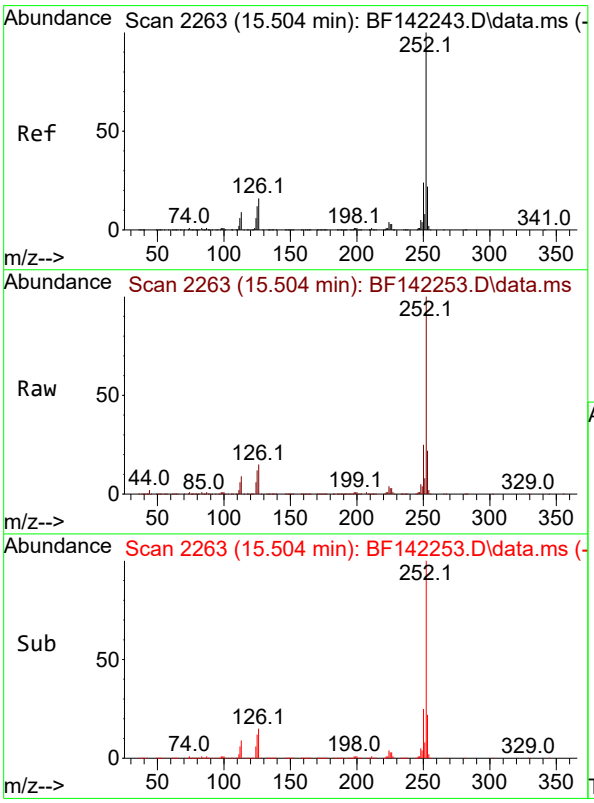
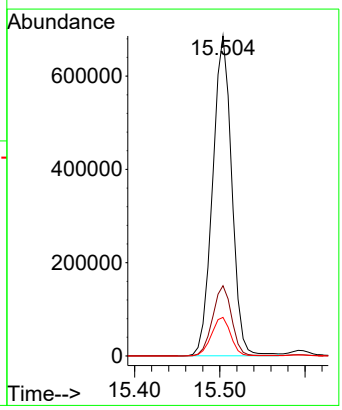
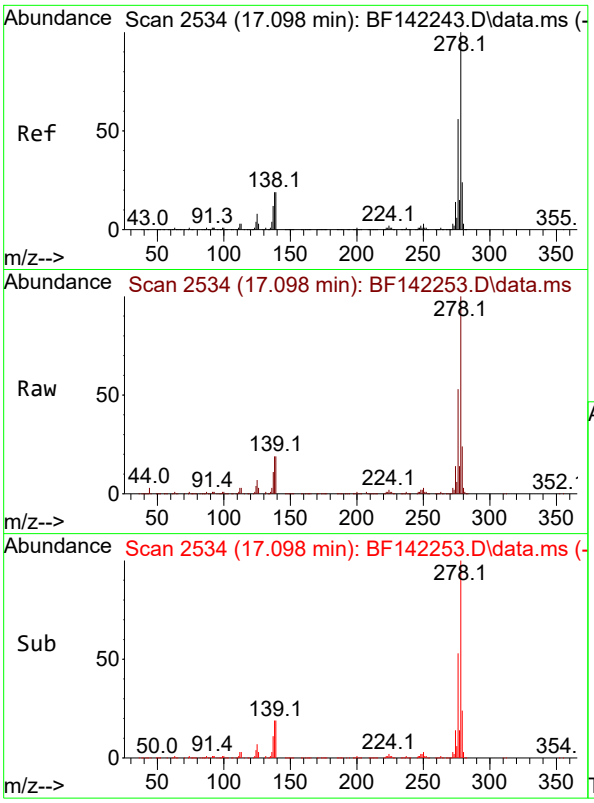


#90
Benzo(a)pyrene
Concen: 42.614 ng
RT: 15.504 min Scan# 2263
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:252 Resp: 1070836

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	12.0	9.5	14.3





#91
Dibenzo(a,h)anthracene
Concen: 42.952 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

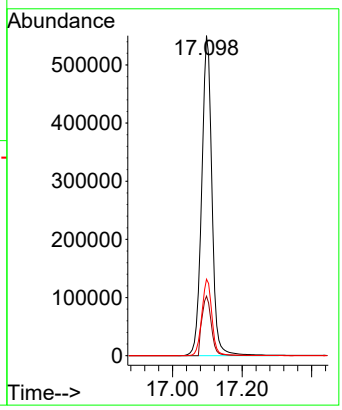
Instrument :
BNA_F
ClientSampleId :
PB167798BSD

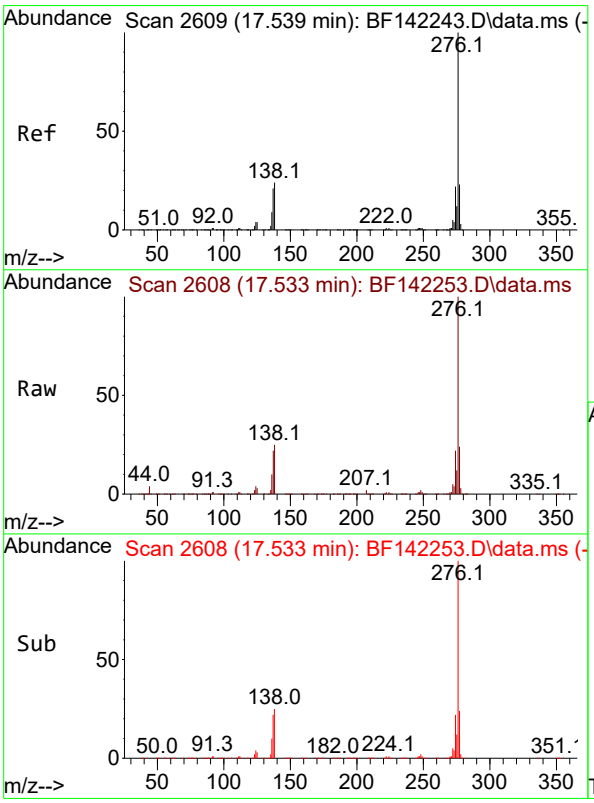
Tgt Ion:278 Resp: 112828

Ion	Ratio	Lower	Upper
278	100		
139	18.6	15.2	22.8
279	23.9	19.0	28.6

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

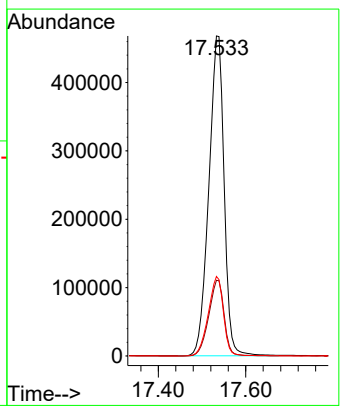




#92
Benzo(g,h,i)perylene
Concen: 43.077 ng
RT: 17.533 min Scan# 2608
Delta R.T. -0.006 min
Lab File: BF142253.D
Acq: 01 May 2025 11:42

Tgt Ion:276 Resp: 1137552

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.7	28.1
138	24.9	19.4	29.0



Raw Data: **BF142269.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:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB01MS	SDG No.:	Q1901
Lab Sample ID:	Q1901-02MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	82.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142269.D	1	04/29/25 09:30	05/01/25 19:24	PB167779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1100		190	400	ug/Kg
108-95-2	Phenol	1800		26.7	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1800		29.3	210	ug/Kg
95-57-8	2-Chlorophenol	1800		29.5	210	ug/Kg
95-48-7	2-Methylphenol	1700		36.1	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1800		45.3	210	ug/Kg
98-86-2	Acetophenone	1800		35.6	210	ug/Kg
65794-96-9	3+4-Methylphenols	1700		49.6	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		57.2	96.6	ug/Kg
67-72-1	Hexachloroethane	1900		21.3	210	ug/Kg
98-95-3	Nitrobenzene	2100		22.1	210	ug/Kg
78-59-1	Isophorone	1800		39.6	210	ug/Kg
88-75-5	2-Nitrophenol	2200		70.3	210	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		78.2	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		37.2	210	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		34.2	210	ug/Kg
91-20-3	Naphthalene	1800		27.4	210	ug/Kg
106-47-8	4-Chloroaniline	420		42.7	210	ug/Kg
87-68-3	Hexachlorobutadiene	1900		30.5	210	ug/Kg
105-60-2	Caprolactam	1700		62.9	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		34.7	210	ug/Kg
91-57-6	2-Methylnaphthalene	1700		30.9	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4000	E	140	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2100		23.9	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1900		35.1	210	ug/Kg
92-52-4	1,1-Biphenyl	1900		26.3	210	ug/Kg
91-58-7	2-Chloronaphthalene	1900		27.2	210	ug/Kg
88-74-4	2-Nitroaniline	1900		58.1	210	ug/Kg
131-11-3	Dimethylphthalate	1900		32.7	210	ug/Kg

Raw Data: **BF142269.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:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB01MS	SDG No.:	Q1901
Lab Sample ID:	Q1901-02MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	82.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142269.D	1	04/29/25 09:30	05/01/25 19:24	PB167779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1800		34.9	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	2000		40.6	210	ug/Kg
99-09-2	3-Nitroaniline	1000		55.5	210	ug/Kg
83-32-9	Acenaphthene	1900		25.7	210	ug/Kg
51-28-5	2,4-Dinitrophenol	3300	E	280	400	ug/Kg
100-02-7	4-Nitrophenol	3700	E	130	400	ug/Kg
132-64-9	Dibenzofuran	1800		27.4	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		60.5	210	ug/Kg
84-66-2	Diethylphthalate	1800		34.2	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		32.2	210	ug/Kg
86-73-7	Fluorene	1700		30.5	210	ug/Kg
100-01-6	4-Nitroaniline	1600		77.5	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2100		120	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2100		39.7	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2100		33.6	210	ug/Kg
118-74-1	Hexachlorobenzene	2000		30.5	210	ug/Kg
1912-24-9	Atrazine	2200		41.1	210	ug/Kg
87-86-5	Pentachlorophenol	4100	E	61.9	400	ug/Kg
85-01-8	Phenanthrene	2000		25.2	210	ug/Kg
120-12-7	Anthracene	1900		40.2	210	ug/Kg
86-74-8	Carbazole	1800		37.7	210	ug/Kg
84-74-2	Di-n-butylphthalate	2300		57.8	210	ug/Kg
206-44-0	Fluoranthene	2000		36.2	210	ug/Kg
129-00-0	Pyrene	1400		43.5	210	ug/Kg
85-68-7	Butylbenzylphthalate	2100		86.2	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		44.3	400	ug/Kg
56-55-3	Benzo(a)anthracene	1900		27.8	210	ug/Kg
218-01-9	Chrysene	1900		24.0	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2100		71.5	210	ug/Kg
117-84-0	Di-n-octyl phthalate	2200		100	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000		22.9	210	ug/Kg

Raw Data: **BF142269.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:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB01MS	SDG No.:	Q1901
Lab Sample ID:	Q1901-02MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	82.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142269.D	1	04/29/25 09:30	05/01/25 19:24	PB167779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1900		27.0	210	ug/Kg
50-32-8	Benzo(a)pyrene	1900		35.6	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		35.1	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		33.1	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		31.0	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2000		30.9	210	ug/Kg
123-91-1	1,4-Dioxane	1600		54.6	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		33.1	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	87.3		30 (18) - 130 (112)	58%	SPK: 150
13127-88-3	Phenol-d6	90.2		30 (15) - 130 (107)	60%	SPK: 150
4165-60-0	Nitrobenzene-d5	68.1		30 (18) - 130 (107)	68%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.1		30 (20) - 130 (109)	63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	90.8		30 (10) - 130 (116)	61%	SPK: 150
1718-51-0	Terphenyl-d14	43.9		30 (10) - 130 (105)	44%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	208000	6.91			
1146-65-2	Naphthalene-d8	777000	8.192			
15067-26-2	Acenaphthene-d10	360000	9.945			
1517-22-2	Phenanthrene-d10	495000	11.427			
1719-03-5	Chrysene-d12	428000	14.074			
1520-96-3	Perylene-d12	473000	15.562			

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\BF050125\
Data File : BF142269.D
Acq On : 01 May 2025 19:24
Operator : RC/JU
Sample : Q1901-02MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 02 01:08:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	207729	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	776941	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	359640	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	495470	20.000	ng	0.00
76) Chrysene-d12	14.074	240	427878	20.000	ng	0.00
86) Perylene-d12	15.562	264	472653	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1135655	87.311	ng	0.00
7) Phenol-d6	6.528	99	1416560	90.188	ng	0.00
23) Nitrobenzene-d5	7.469	82	805120	68.080	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	297829	90.840	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1610323	63.132	ng	0.00
79) Terphenyl-d14	13.015	244	1290400	43.862	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.757	88	227396	39.145	ng	99
3) Pyridine	3.516	79	610565	40.441	ng	100
4) n-Nitrosodimethylamine	3.469	42	354637	45.391	ng	100
6) Aniline	6.569	93	670525	30.161	ng	100
8) 2-Chlorophenol	6.692	128	603690	44.916	ng	100
9) Benzaldehyde	6.457	77	303867	27.680	ng	99
10) Phenol	6.539	94	746973m	44.175	ng	
11) bis(2-Chloroethyl)ether	6.639	93	585375	44.673	ng	98
12) 1,3-Dichlorobenzene	6.851	146	664859	43.727	ng	99
13) 1,4-Dichlorobenzene	6.928	146	668597	43.645	ng	100
14) 1,2-Dichlorobenzene	7.081	146	646554	44.210	ng	100
15) Benzyl Alcohol	7.045	79	489425	43.935	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.181	45	1075078	45.436	ng	99
17) 2-Methylphenol	7.151	107	477055	43.327	ng	99
18) Hexachloroethane	7.422	117	236235	47.116	ng	97
19) n-Nitroso-di-n-propyla...	7.316	70	416439	42.906	ng	98
20) 3+4-Methylphenols	7.304	107	589920	42.844	ng	92
22) Acetophenone	7.316	105	790127	43.959	ng	98
24) Nitrobenzene	7.486	77	591434	50.970	ng	100
25) Isophorone	7.728	82	1114078	44.887	ng	99
26) 2-Nitrophenol	7.804	139	273106	54.190	ng	97
27) 2,4-Dimethylphenol	7.833	122	550527	43.994	ng	100
28) bis(2-Chloroethoxy)met...	7.933	93	701365	44.807	ng	99
29) 2,4-Dichlorophenol	8.039	162	476870	45.581	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	532603	45.620	ng	100
31) Naphthalene	8.210	128	1700955	43.900	ng	100
32) Benzoic acid	7.933	122	283194	47.659	ng	98
33) 4-Chloroaniline	8.251	127	170132	10.545	ng	100
34) Hexachlorobutadiene	8.328	225	319589	46.920	ng	99
35) Caprolactam	8.622	113	132868m	42.252	ng	
36) 4-Chloro-3-methylphenol	8.728	107	452691	42.138	ng	99
37) 2-Methylnaphthalene	8.904	142	1023582	42.967	ng	100
38) 1-Methylnaphthalene	9.004	142	1068100	43.280	ng	99
40) 1,2,4,5-Tetrachloroben...	9.069	216	495043	48.910	ng	99
41) Hexachlorocyclopentadiene	9.057	237	577255	100.490	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	321539	51.266	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142269.D
Acq On : 01 May 2025 19:24
Operator : RC/JU
Sample : Q1901-02MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 02 01:08:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	318776	48.342	ng		99
46) 1,1'-Biphenyl	9.363	154	1334117	47.717	ng		99
47) 2-Chloronaphthalene	9.392	162	976038	46.922	ng		99
48) 2-Nitroaniline	9.480	65	259849	47.433	ng		99
49) Acenaphthylene	9.804	152	1594521	45.426	ng		100
50) Dimethylphthalate	9.663	163	1066261	46.343	ng		100
51) 2,6-Dinitrotoluene	9.722	165	215101	48.680	ng		99
52) Acenaphthene	9.980	154	982506	47.938	ng		98
53) 3-Nitroaniline	9.886	138	127102	25.292	ng		98
54) 2,4-Dinitrophenol	9.992	184	128668	82.147	ng	#	53
55) Dibenzofuran	10.151	168	1363907	44.394	ng		99
56) 4-Nitrophenol	10.039	139	331460	91.654	ng		98
57) 2,4-Dinitrotoluene	10.127	165	257086	48.111	ng		95
58) Fluorene	10.492	166	997907	42.717	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.263	232	246538	45.135	ng		99
60) Diethylphthalate	10.363	149	1031674	45.408	ng		100
61) 4-Chlorophenyl-phenyle...	10.486	204	491200	44.277	ng		97
62) 4-Nitroaniline	10.504	138	193314	40.097	ng		95
63) Azobenzene	10.645	77	1084746	48.349	ng		95
65) 4,6-Dinitro-2-methylph...	10.527	198	87116	52.188	ng		97
66) n-Nitrosodiphenylamine	10.604	169	868383	51.295	ng		100
67) 4-Bromophenyl-phenylether	10.974	248	294375	53.349	ng		99
68) Hexachlorobenzene	11.039	284	307669	49.785	ng		99
69) Atrazine	11.127	200	242733	54.396	ng		99
70) Pentachlorophenol	11.227	266	331283	101.471	ng		98
71) Phenanthrene	11.457	178	1297633	48.485	ng		99
72) Anthracene	11.504	178	1269418	46.391	ng		99
73) Carbazole	11.657	167	1127973	45.188	ng		99
74) Di-n-butylphthalate	11.992	149	1427936	56.880	ng		100
75) Fluoranthene	12.645	202	1336936	50.534	ng		99
77) Benzidine	12.763	184	486096	26.736	ng		99
78) Pyrene	12.874	202	1363266	34.539	ng		100
80) Butylbenzylphthalate	13.492	149	571179	52.545	ng		100
81) Benzo(a)anthracene	14.062	228	1336806	46.539	ng		100
82) 3,3'-Dichlorobenzidine	14.021	252	271966	32.235	ng		100
83) Chrysene	14.098	228	1219993	46.660	ng		99
84) Bis(2-ethylhexyl)phtha...	14.051	149	801117	53.190	ng		99
85) Di-n-octyl phthalate	14.668	149	1516655	54.420	ng		99
87) Indeno(1,2,3-cd)pyrene	17.068	276	1171487	33.838	ng		100
88) Benzo(b)fluoranthene	15.121	252	1455180	49.565	ng		100
89) Benzo(k)fluoranthene	15.156	252	1286491	47.906	ng		99
90) Benzo(a)pyrene	15.498	252	1294646	48.165	ng		100
91) Dibenzo(a,h)anthracene	17.092	278	967006	34.415	ng		98
92) Benzo(g,h,i)perylene	17.521	276	881265	31.198	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142269.D
Acq On : 01 May 2025 19:24
Operator : RC/JU
Sample : Q1901-02MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 02 01:08:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

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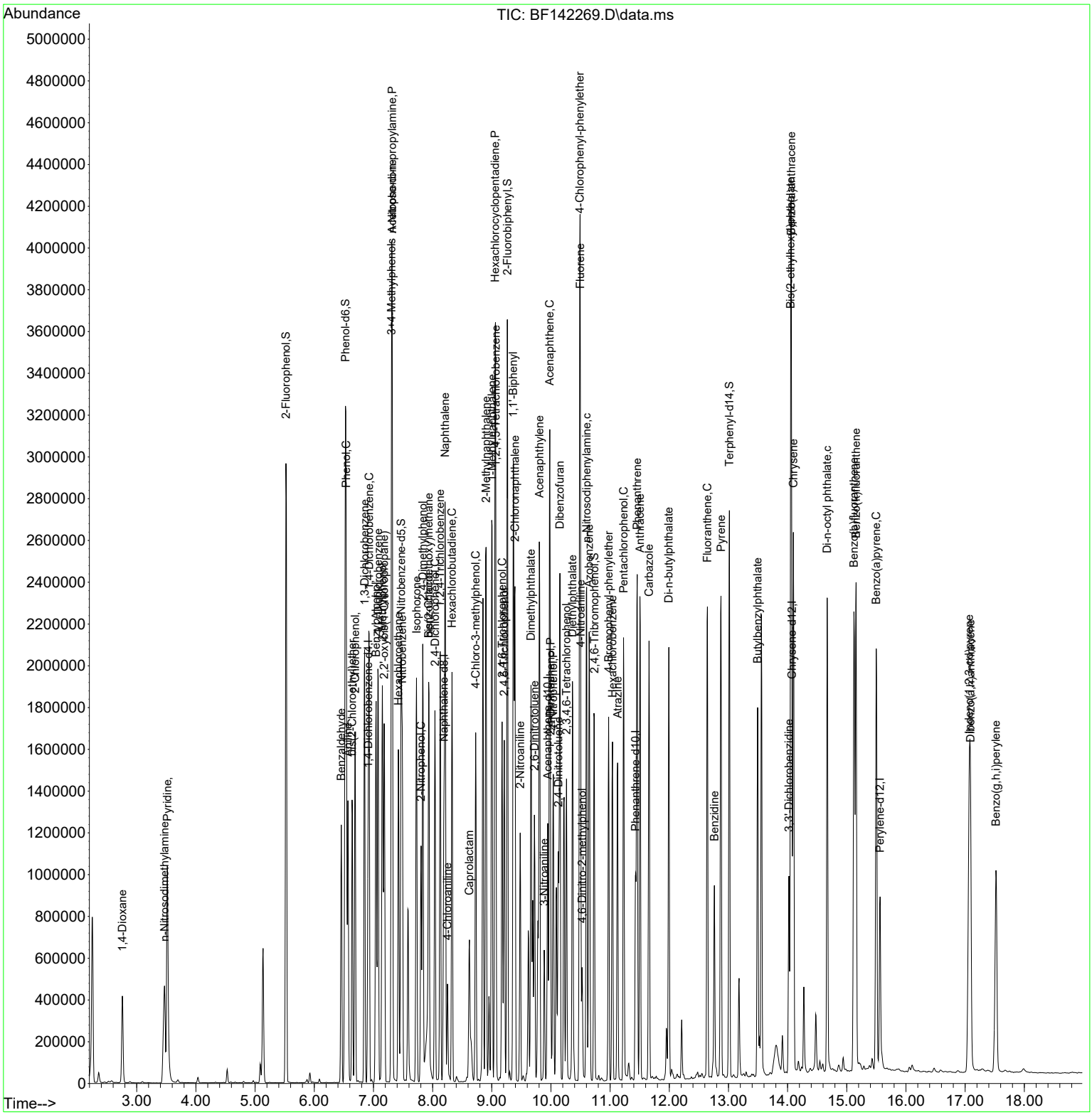
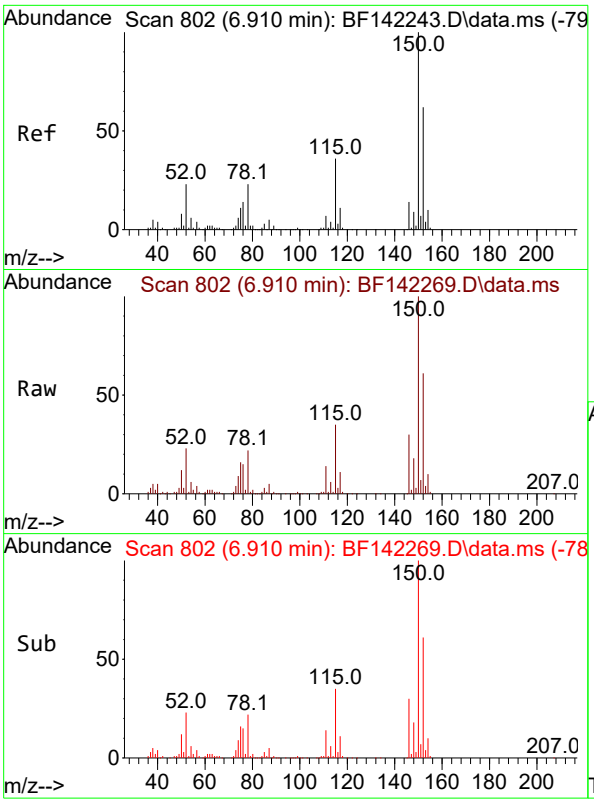
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

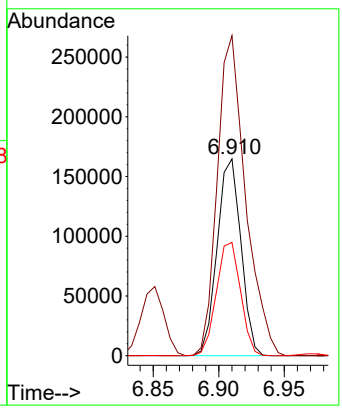




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:152 Resp: 20772

Ion	Ratio	Lower	Upper
152	100		
150	162.6	130.2	195.2
115	57.6	47.0	70.4



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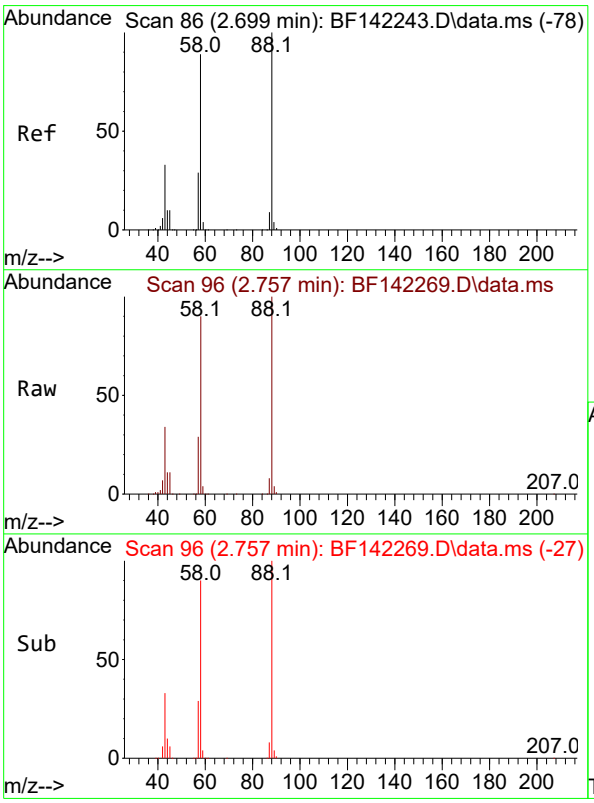
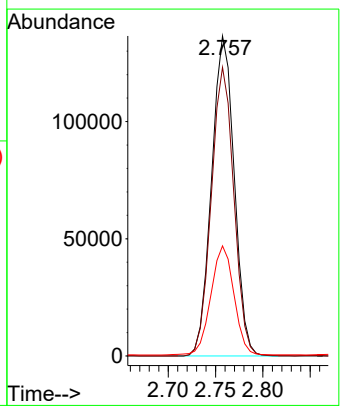
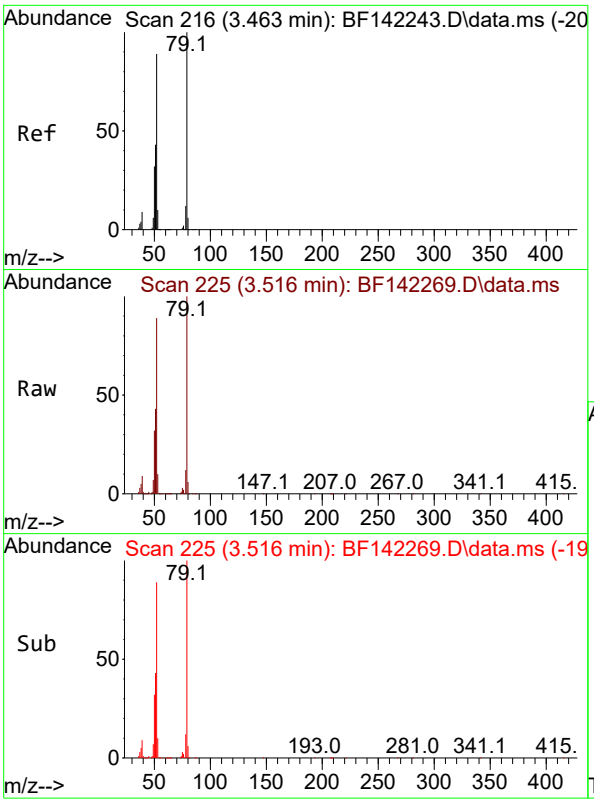


#2
1,4-Dioxane
Concen: 39.145 ng
RT: 2.757 min Scan# 96
Delta R.T. 0.059 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion: 88 Resp: 227396

Ion	Ratio	Lower	Upper
88	100		
58	89.8	72.2	108.2
43	34.6	27.0	40.6

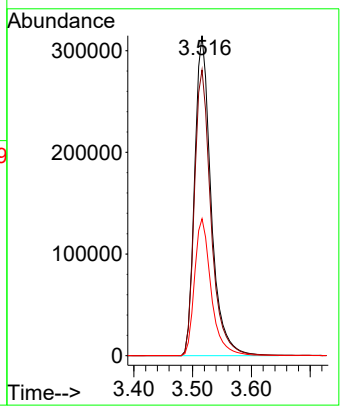




#3
Pyridine
Concen: 40.441 ng
RT: 3.516 min Scan# 2
Delta R.T. 0.053 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion: 79 Resp: 61056

Ion	Ratio	Lower	Upper
79	100		
52	89.3	71.5	107.3
51	42.8	34.5	51.7



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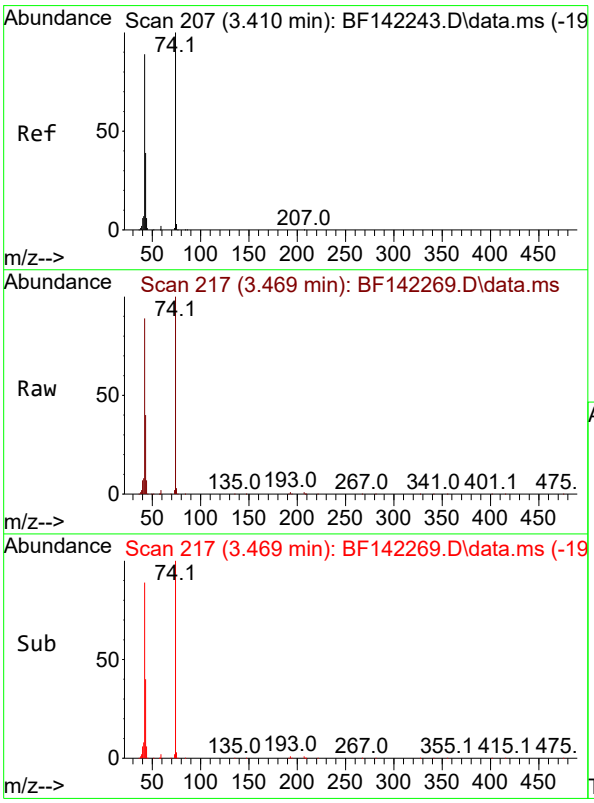
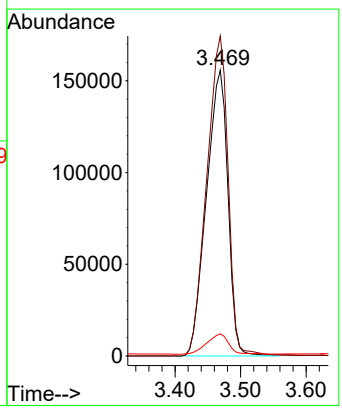
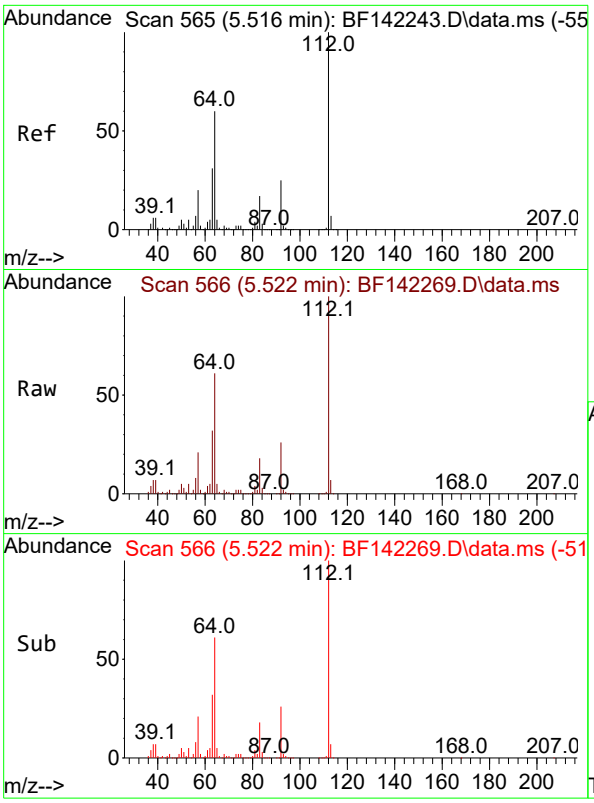


#4
n-Nitrosodimethylamine
Concen: 45.391 ng
RT: 3.469 min Scan# 217
Delta R.T. 0.059 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion: 42 Resp: 354637

Ion	Ratio	Lower	Upper
42	100		
74	112.0	89.5	134.3
44	7.7	6.6	9.8





#5
2-Fluorophenol
Concen: 87.311 ng
RT: 5.522 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:112 Resp: 113565

Ion	Ratio	Lower	Upper
112	100		
64	61.5	48.4	72.6
63	31.9	24.8	37.2

Instrument :
BNA_F
ClientSampleId :
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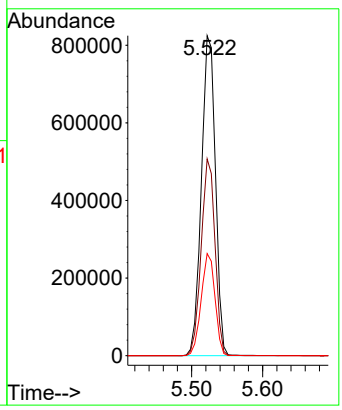
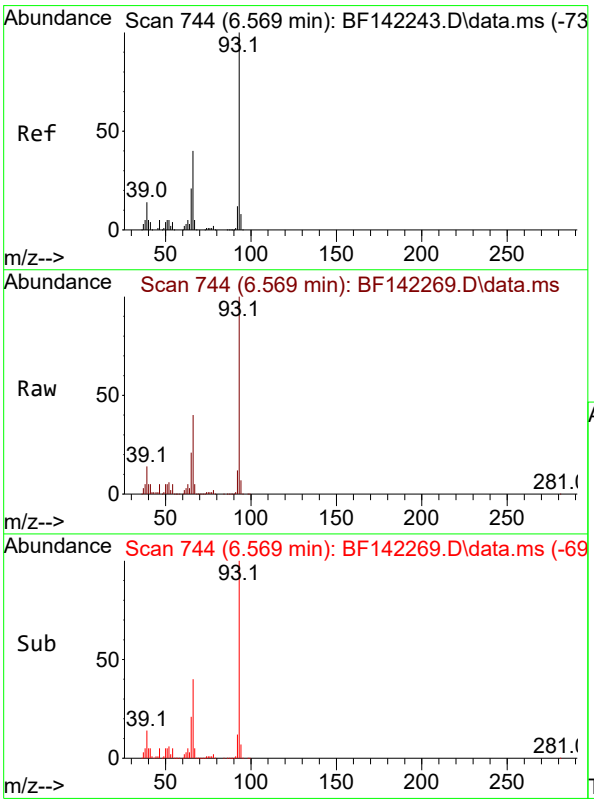
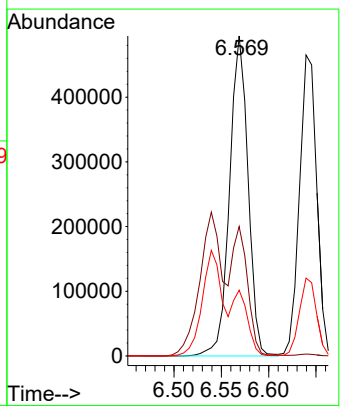


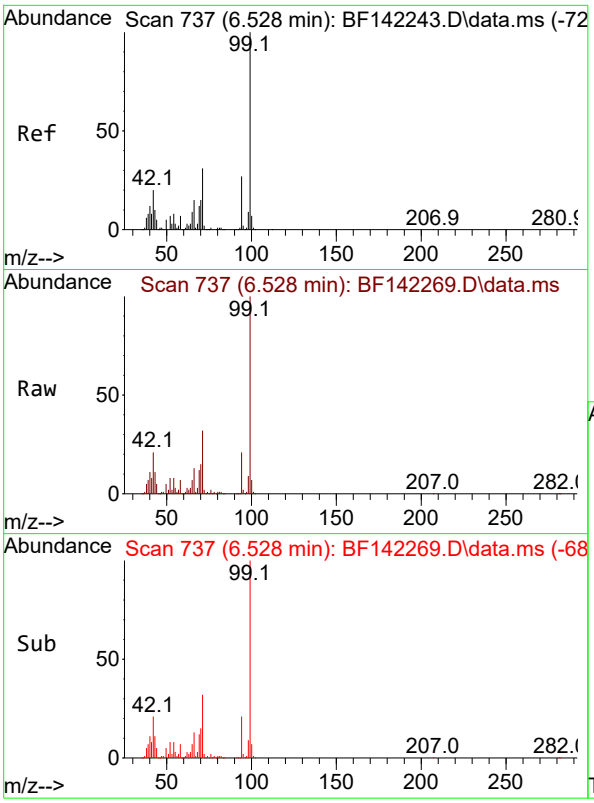


#6
Aniline
Concen: 30.161 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion: 93 Resp: 670525

Ion	Ratio	Lower	Upper
93	100		
66	40.4	32.1	48.1
65	20.5	16.6	24.8

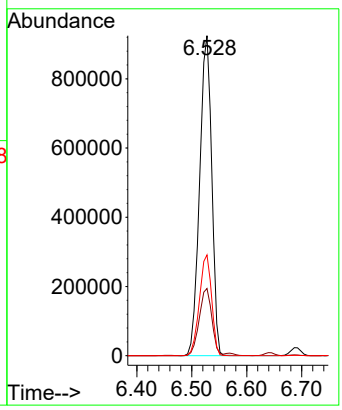




#7
Phenol-d6
Concen: 90.188 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion: 99 Resp: 141656

Ion	Ratio	Lower	Upper
99	100		
42	21.0	16.3	24.5
71	31.5	25.0	37.4



Instrument :
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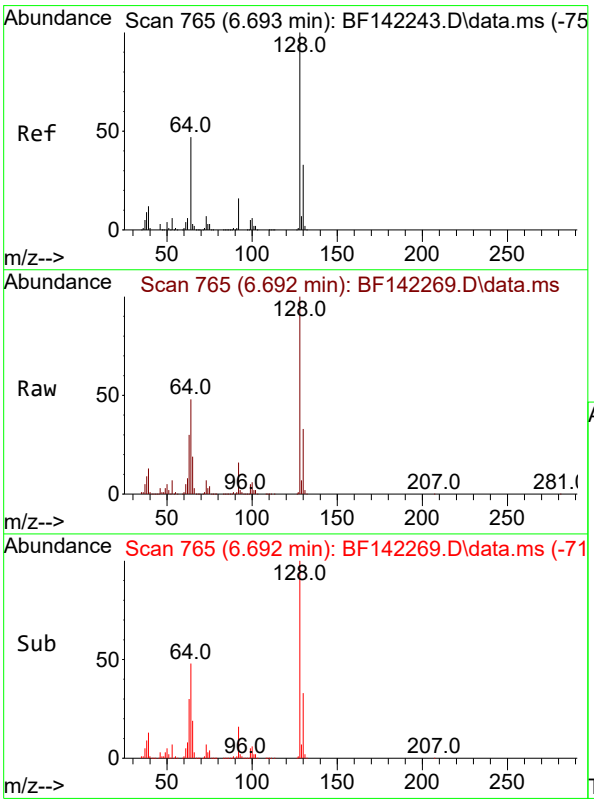
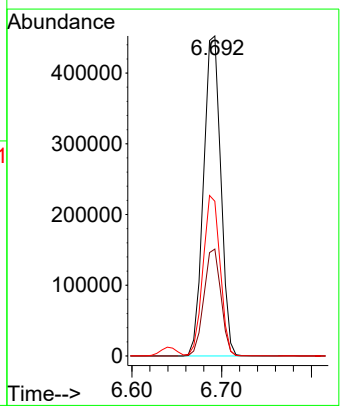
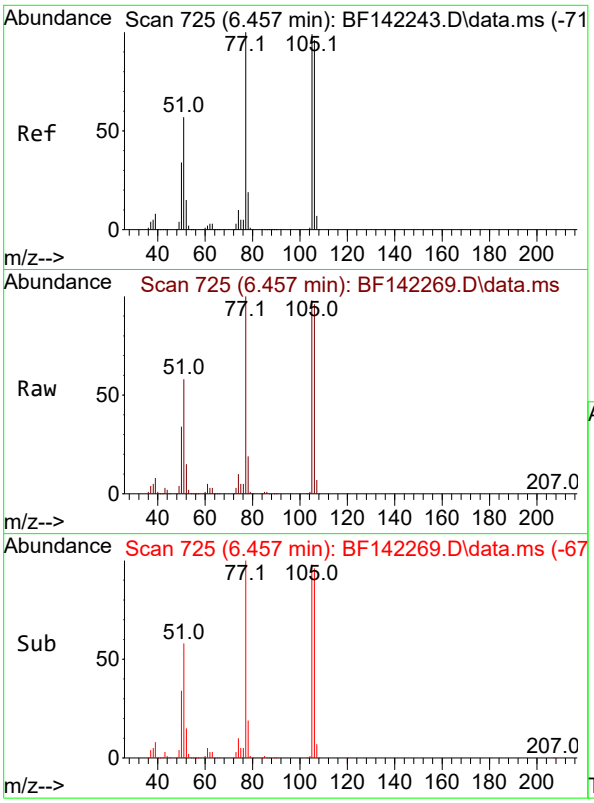


#8
2-Chlorophenol
Concen: 44.916 ng
RT: 6.692 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:128 Resp: 603690

Ion	Ratio	Lower	Upper
128	100		
130	33.4	13.1	53.1
64	48.4	28.6	68.6





#9
Benzaldehyde
Concen: 27.680 ng
RT: 6.457 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion: 77 Resp: 30386

Ion	Ratio	Lower	Upper
77	100		
105	98.4	79.1	119.1
106	95.6	76.0	116.0

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

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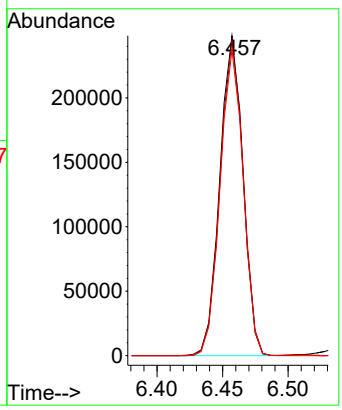
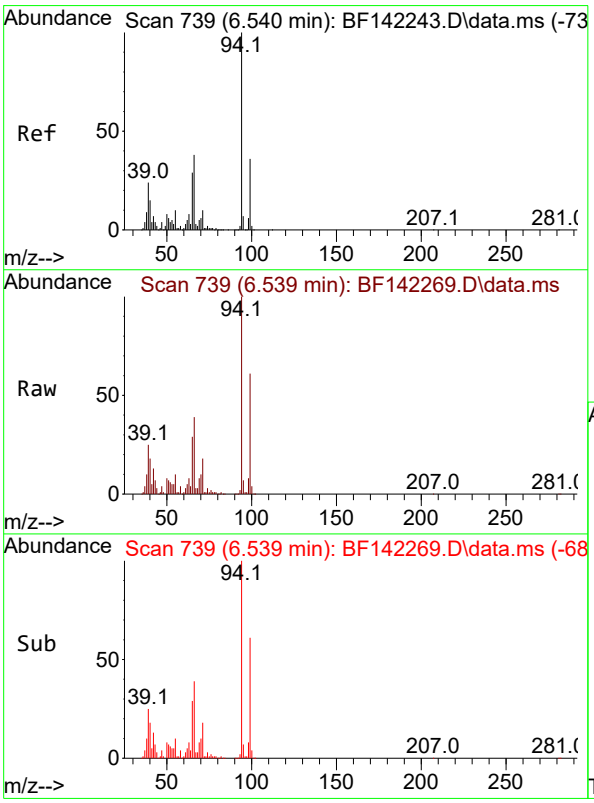
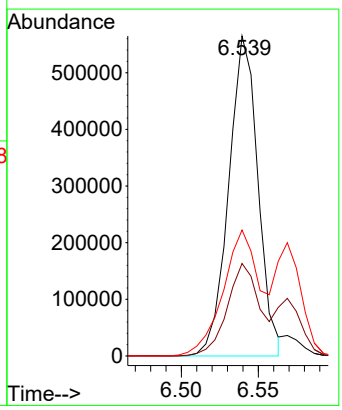


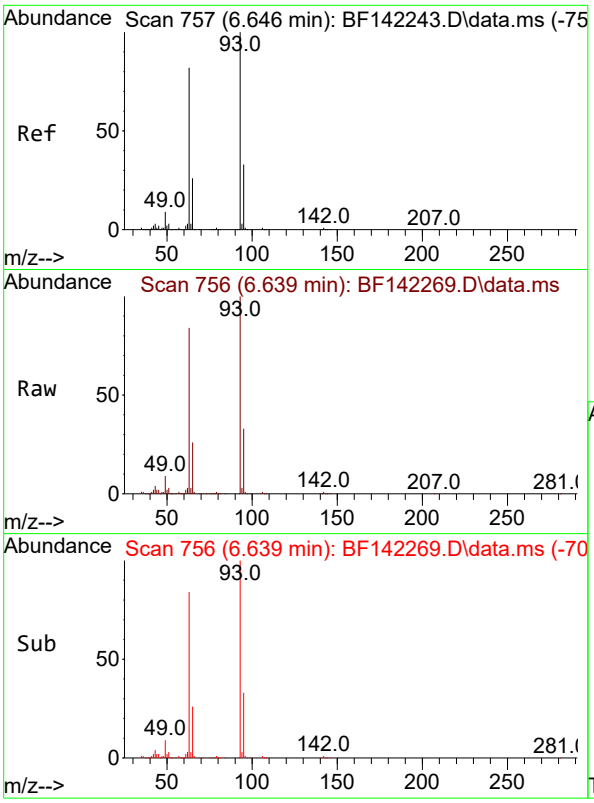


#10
Phenol
Concen: 44.175 ng m
RT: 6.539 min Scan# 739
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion: 94 Resp: 746973

Ion	Ratio	Lower	Upper
94	100		
65	28.9	8.9	48.9
66	39.4	18.7	58.7

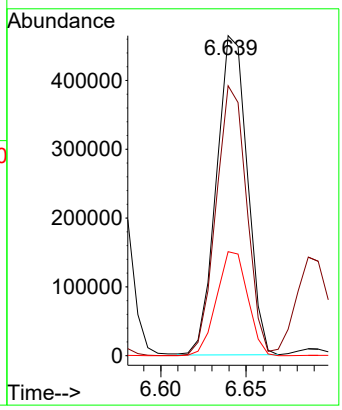




#11
bis(2-Chloroethyl)ether
Concen: 44.673 ng
RT: 6.639 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion: 93 Resp: 58537

Ion	Ratio	Lower	Upper
93	100		
63	84.4	62.2	102.2
95	32.5	12.7	52.7



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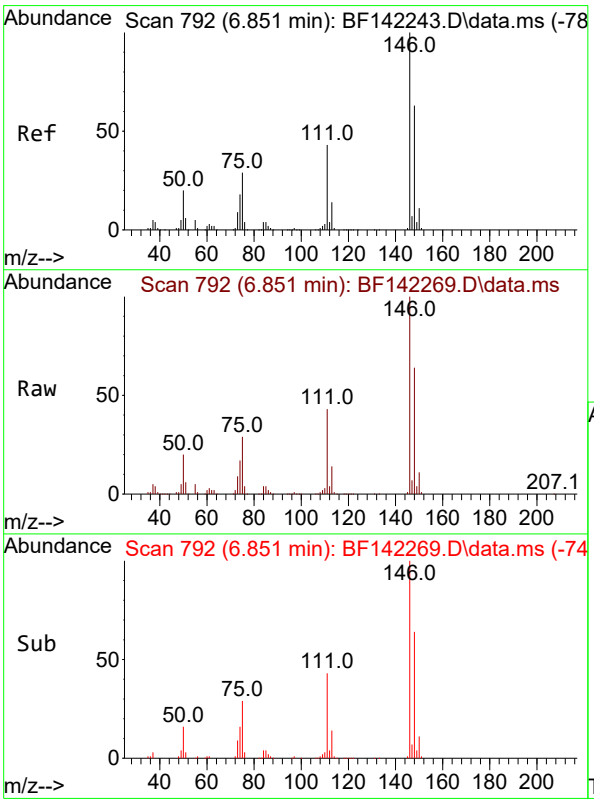
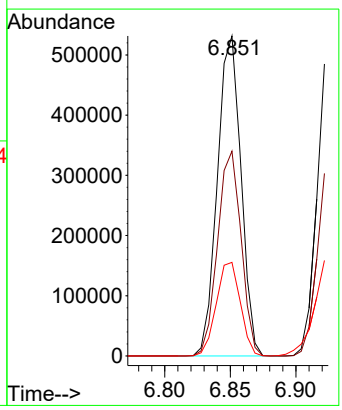
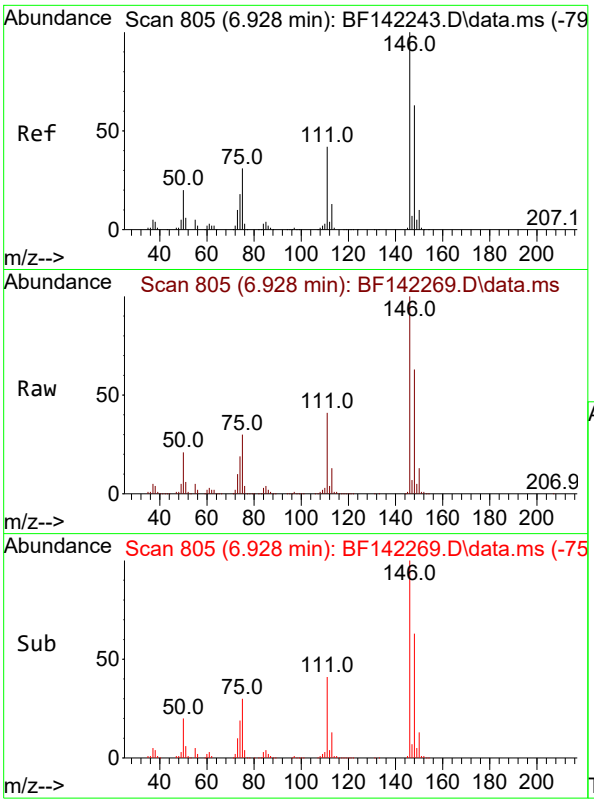


#12
1,3-Dichlorobenzene
Concen: 43.727 ng
RT: 6.851 min Scan# 792
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:146 Resp: 664859

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.5	75.7
75	29.3	23.2	34.8

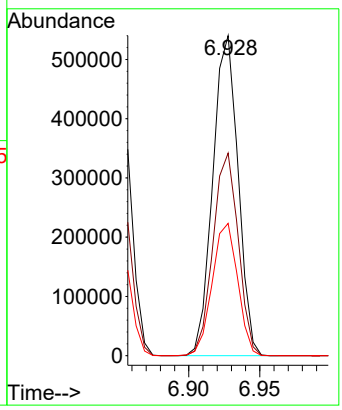




#13
1,4-Dichlorobenzene
Concen: 43.645 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:146 Resp: 66859

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.6	76.0
111	41.3	33.4	50.0



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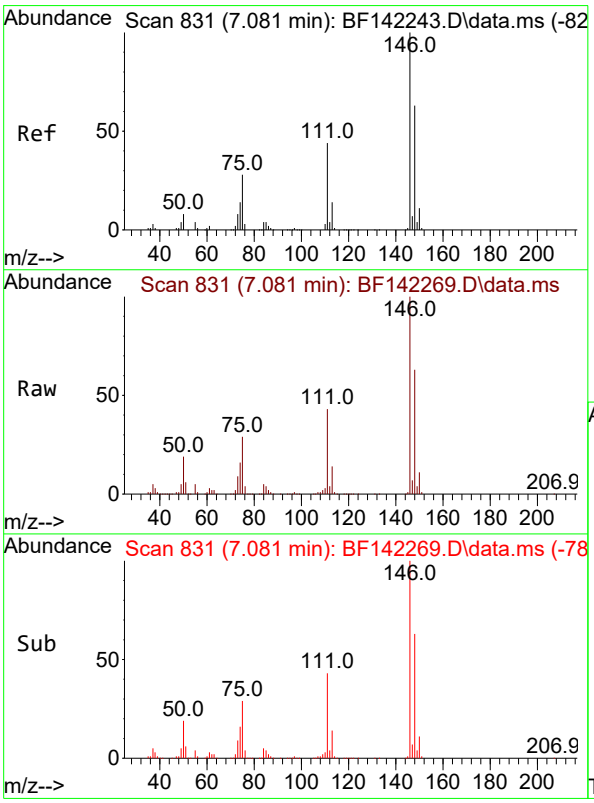
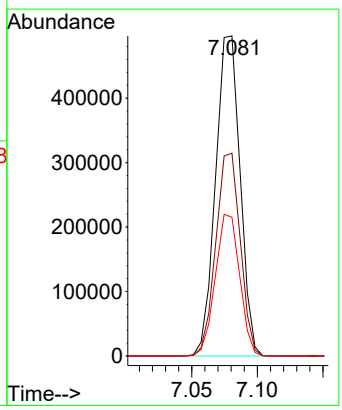
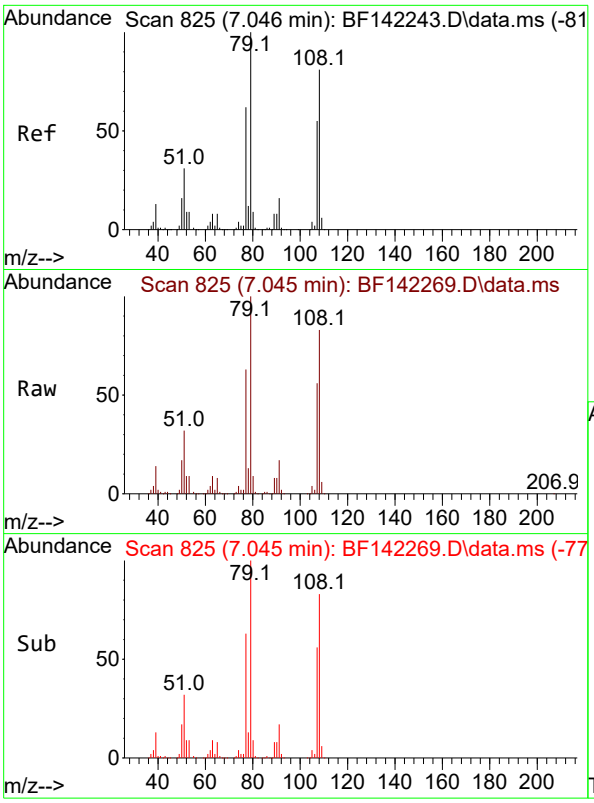


#14
1,2-Dichlorobenzene
Concen: 44.210 ng
RT: 7.081 min Scan# 831
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:146 Resp: 646554

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.5	75.7
111	43.4	34.9	52.3





#15
Benzyl Alcohol
Concen: 43.935 ng
RT: 7.045 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion: 79 Resp: 48942

Ion	Ratio	Lower	Upper
79	100		
108	82.6	64.5	96.7
77	63.3	49.2	73.8

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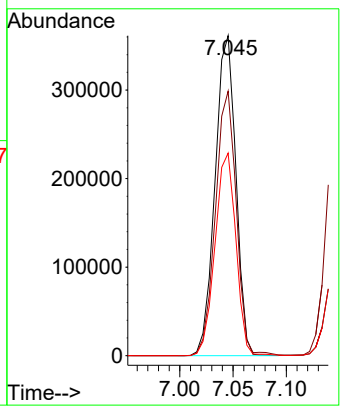
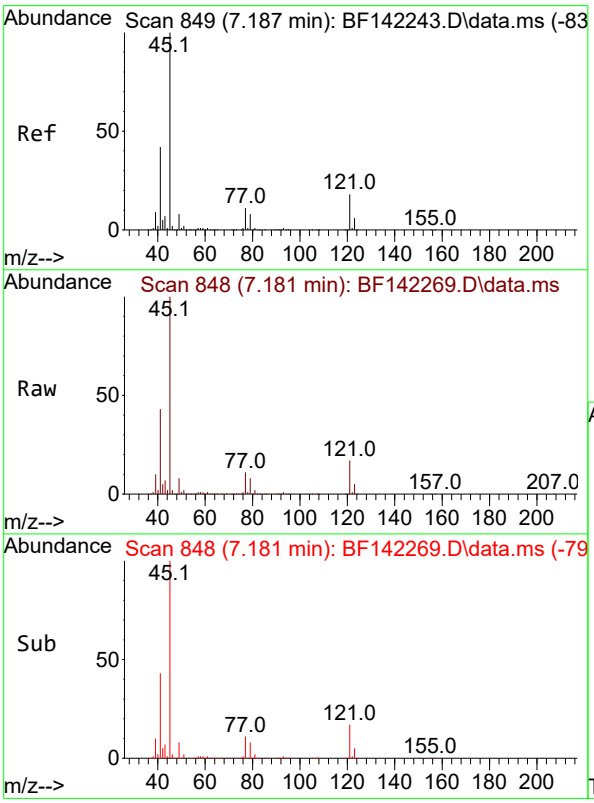
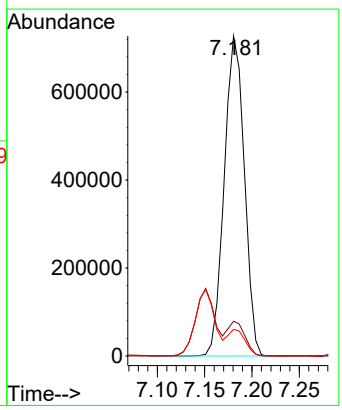


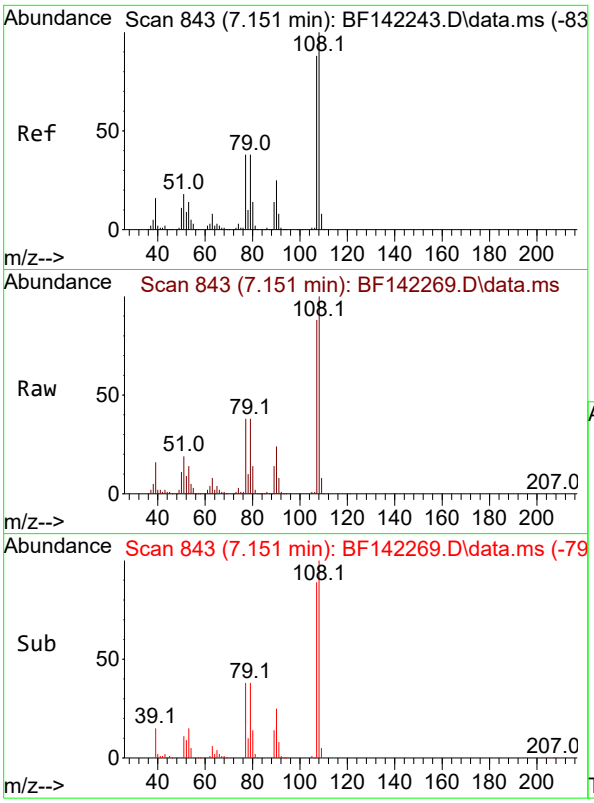


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.436 ng
RT: 7.181 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion: 45 Resp: 1075078

Ion	Ratio	Lower	Upper
45	100		
77	10.8	0.0	31.3
79	8.3	0.0	28.5

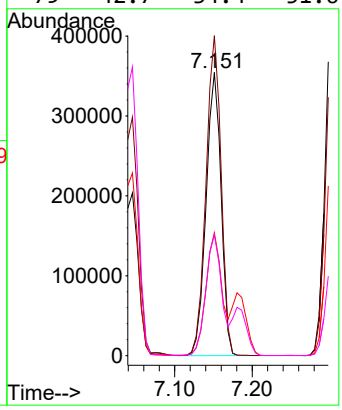




#17
2-Methylphenol
Concen: 43.327 ng
RT: 7.151 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:107 Resp: 47705

Ion	Ratio	Lower	Upper
107	100		
108	113.0	91.0	136.4
77	43.4	34.4	51.6
79	42.7	34.4	51.6



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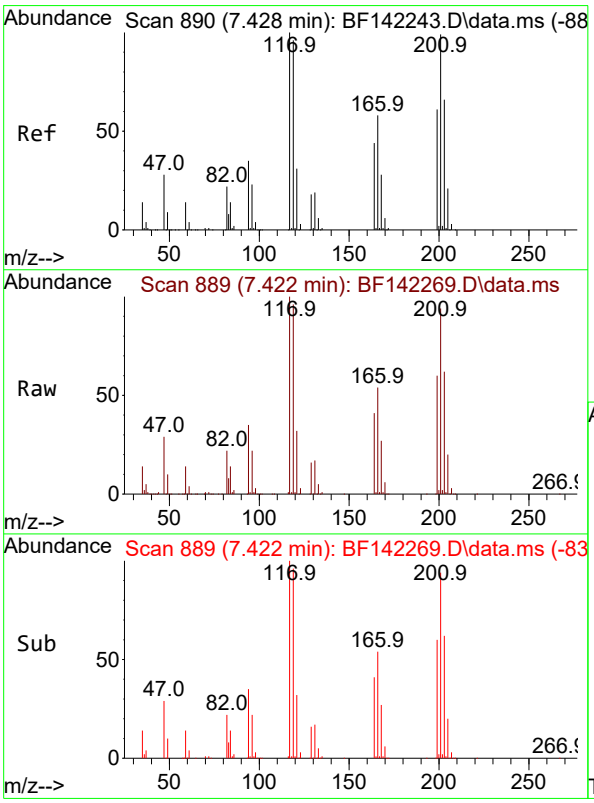
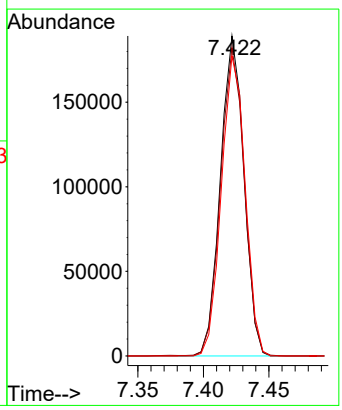
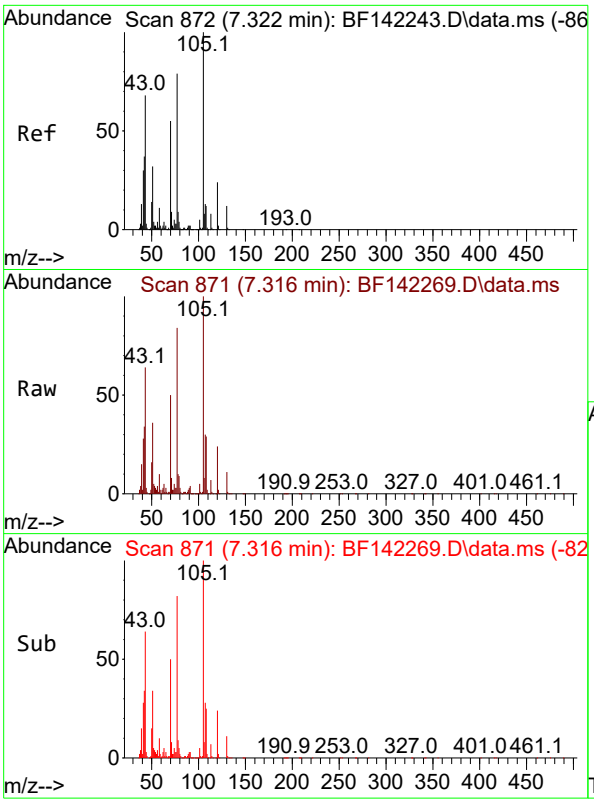


#18
Hexachloroethane
Concen: 47.116 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:117 Resp: 236235

Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.1	115.7
201	93.7	79.4	119.2





#19
n-Nitroso-di-n-propylamine
Concen: 42.906 ng
RT: 7.316 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

Tgt Ion: 70 Resp: 41643

Ion	Ratio	Lower	Upper
70	100		
42	69.2	53.4	80.2
101	9.5	7.7	11.5
130	21.8	17.2	25.8

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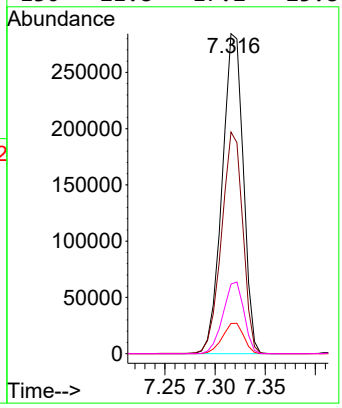
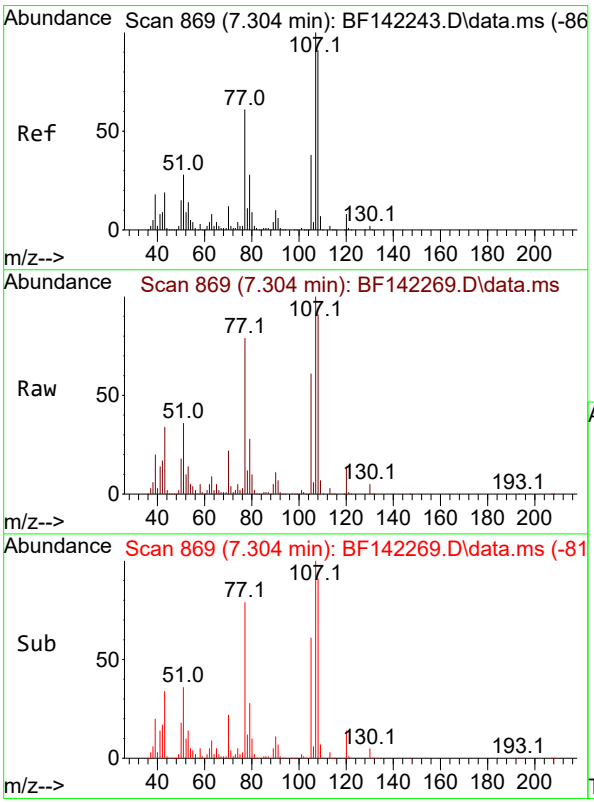
Supervised By :Jagrut Upadhyay 05/02/2025

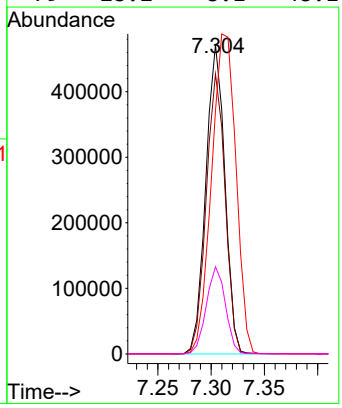


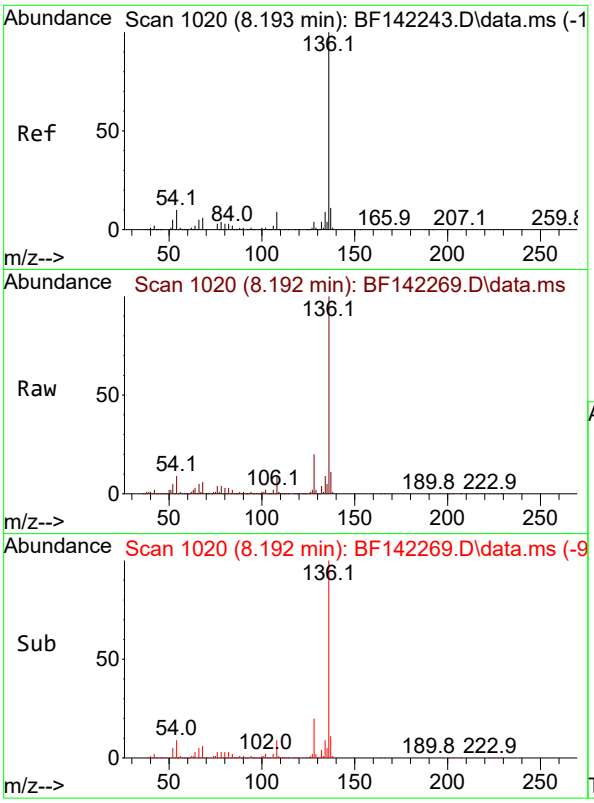


#20
3+4-Methylphenols
Concen: 42.844 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:107 Resp: 589920

Ion	Ratio	Lower	Upper
107	100		
108	90.5	71.2	111.2
77	78.7	41.1	81.1
79	28.2	8.1	48.1

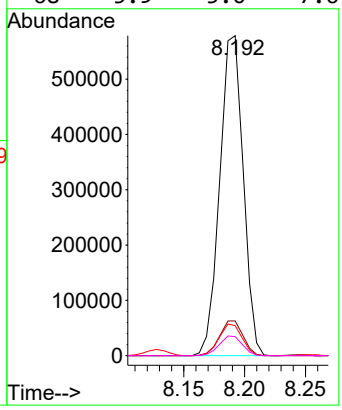




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:136 Resp: 77694

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	9.4	7.7	11.5
68	5.9	5.0	7.6



Instrument :
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ClientSampleId :
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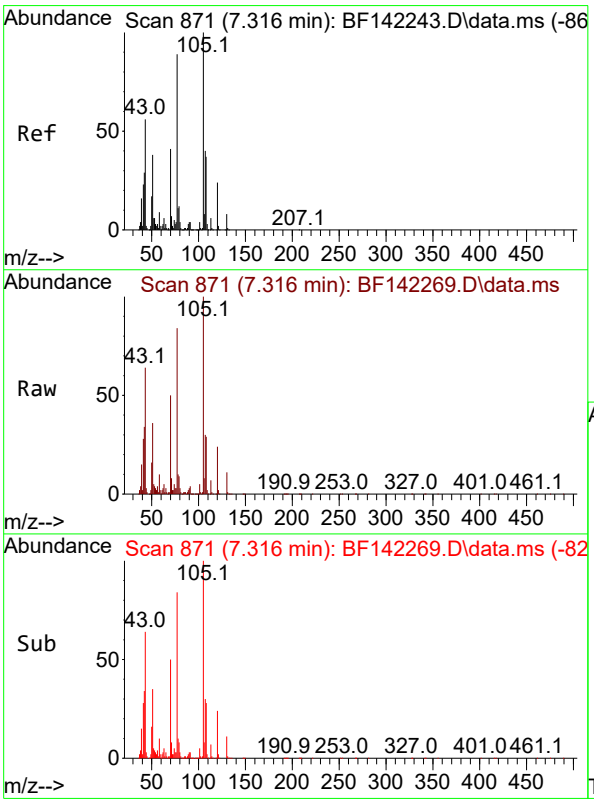
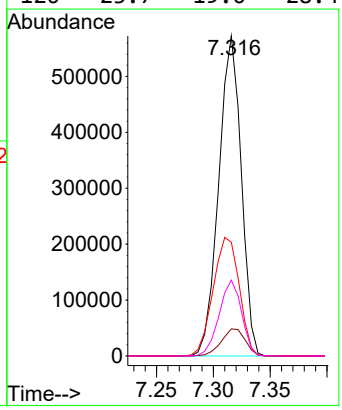
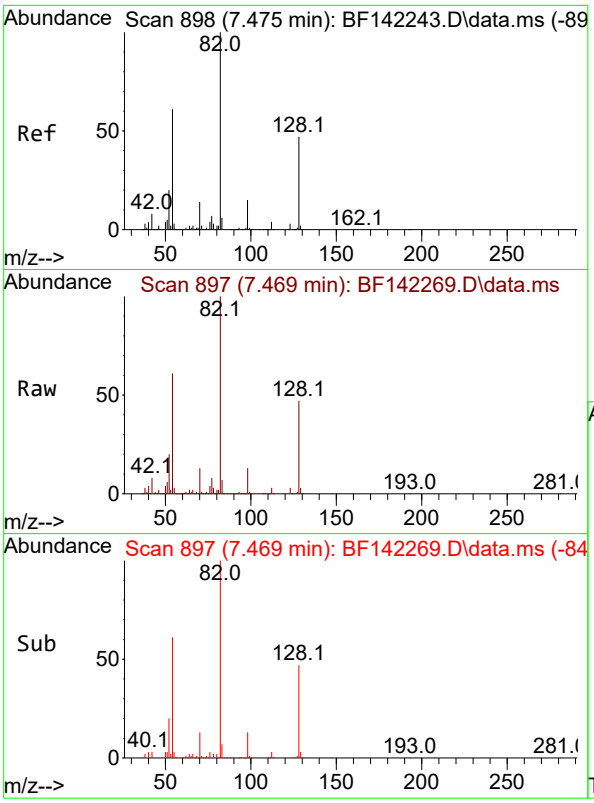


#22
Acetophenone
Concen: 43.959 ng
RT: 7.316 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:105 Resp: 790127

Ion	Ratio	Lower	Upper
105	100		
71	8.4	5.7	8.5
51	35.6	30.1	45.1
120	23.7	19.0	28.4

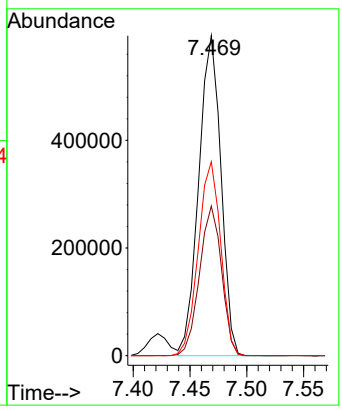




#23
Nitrobenzene-d5
Concen: 68.080 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion: 82 Resp: 80512

Ion	Ratio	Lower	Upper
82	100		
128	46.8	37.0	55.6
54	60.6	48.0	72.0



Instrument :
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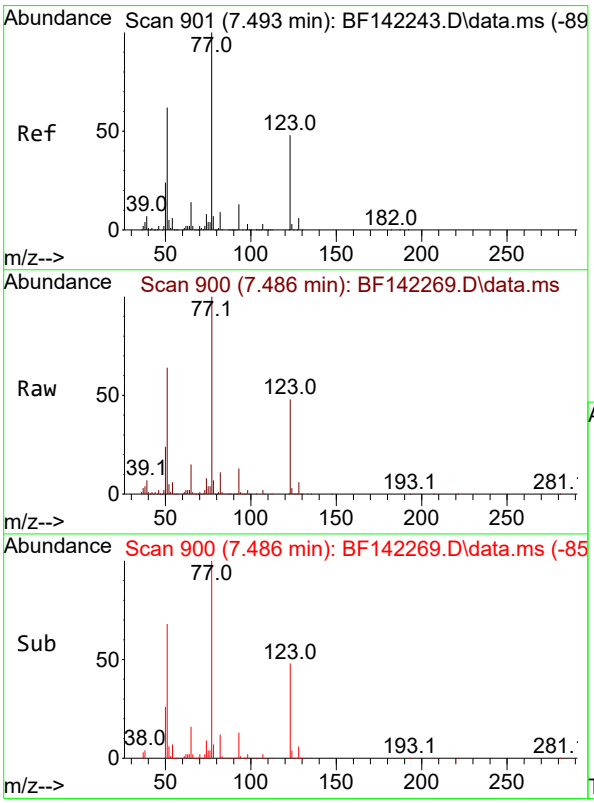
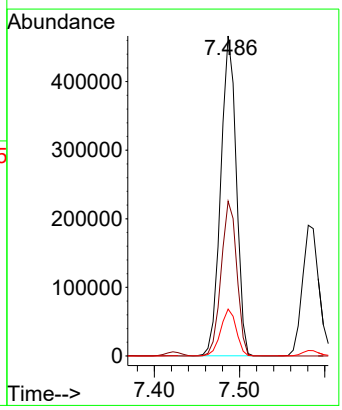
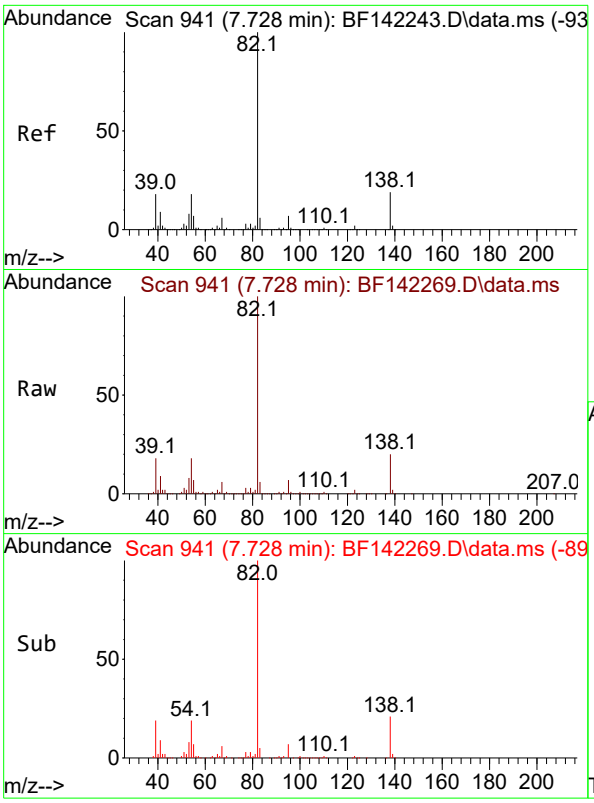


#24
Nitrobenzene
Concen: 50.970 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion: 77 Resp: 591434

Ion	Ratio	Lower	Upper
77	100		
123	48.3	38.6	58.0
65	14.7	11.5	17.3





#25
Isophorone
Concen: 44.887 ng
RT: 7.728 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion: 82 Resp: 111407

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.6	8.4
138	19.9	15.3	22.9

Instrument :
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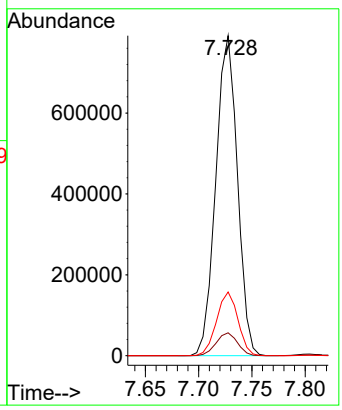
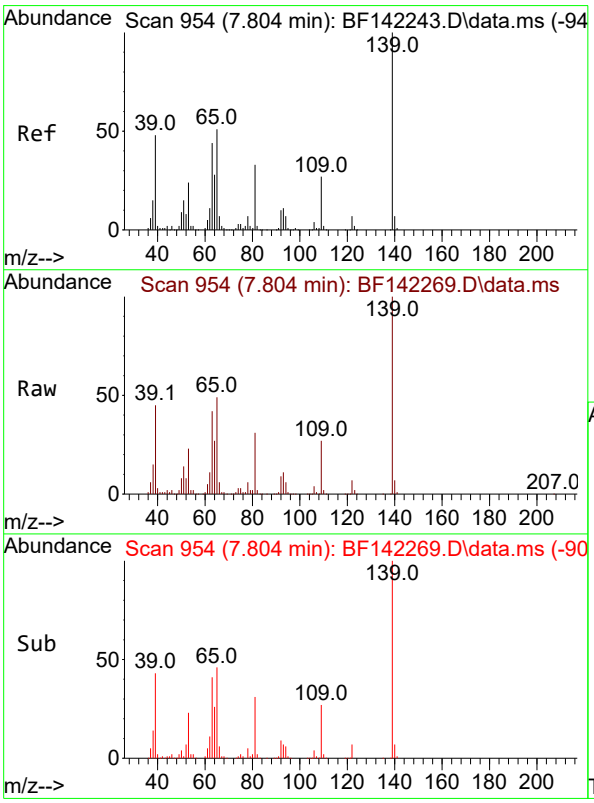
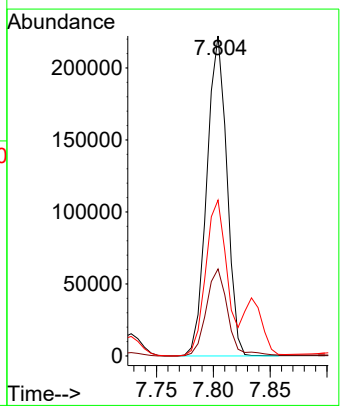


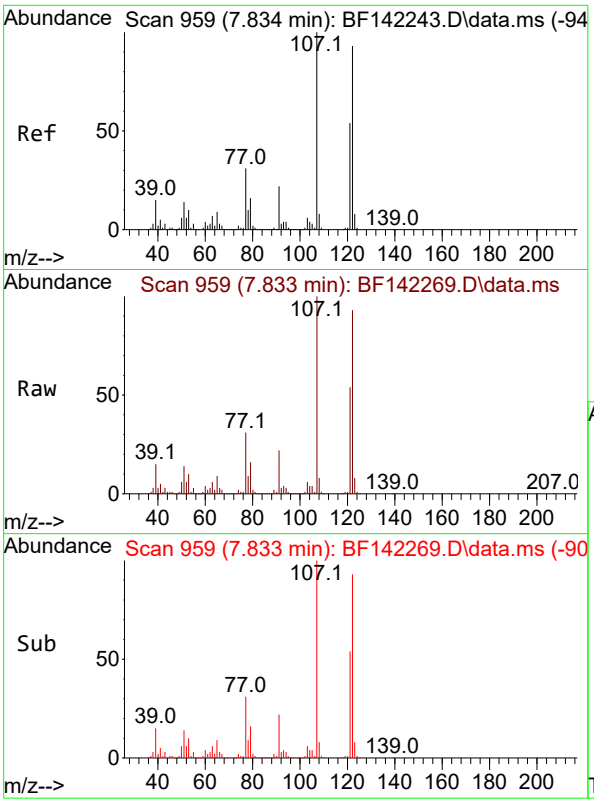


#26
2-Nitrophenol
Concen: 54.190 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:139 Resp: 273106

Ion	Ratio	Lower	Upper
139	100		
109	27.2	21.8	32.8
65	48.7	41.1	61.7

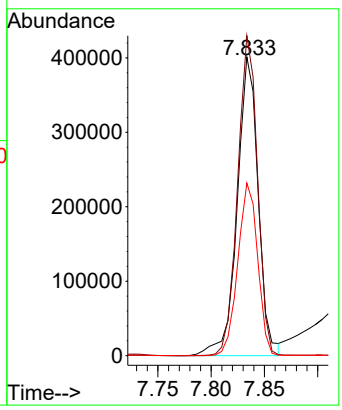




#27
2,4-Dimethylphenol
Concen: 43.994 ng
RT: 7.833 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:122 Resp: 55052

Ion	Ratio	Lower	Upper
122	100		
107	107.1	86.0	129.0
121	57.8	46.3	69.5



Instrument :
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ClientSampleId :
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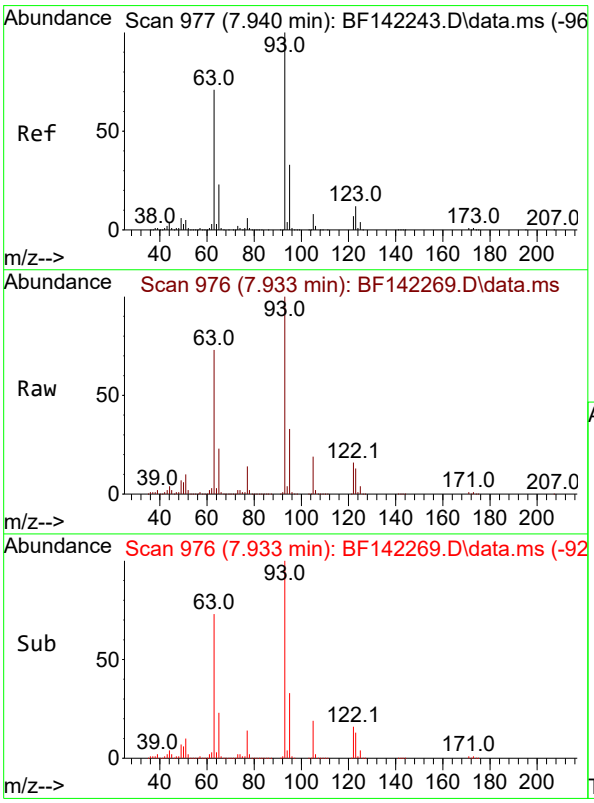
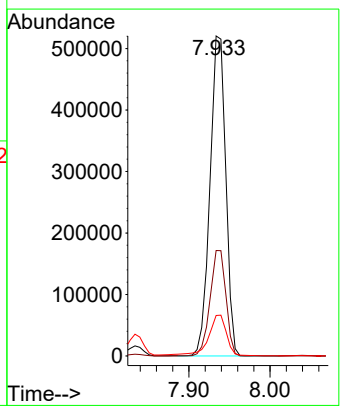
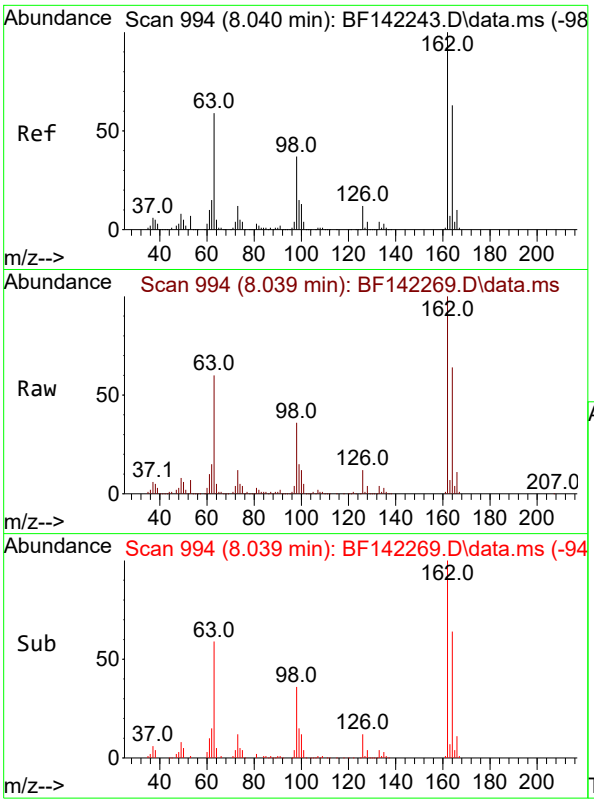


#28
bis(2-Chloroethoxy)methane
Concen: 44.807 ng
RT: 7.933 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion: 93 Resp: 701365

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.2	39.2
123	12.6	9.7	14.5

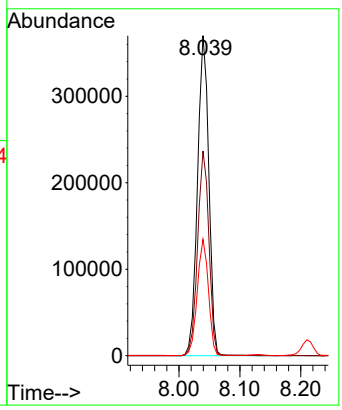




#29
2,4-Dichlorophenol
Concen: 45.581 ng
RT: 8.039 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:162 Resp: 47687

Ion	Ratio	Lower	Upper
162	100		
164	63.9	43.0	83.0
98	36.4	16.7	56.7



Instrument :
BNA_F
ClientSampleId :
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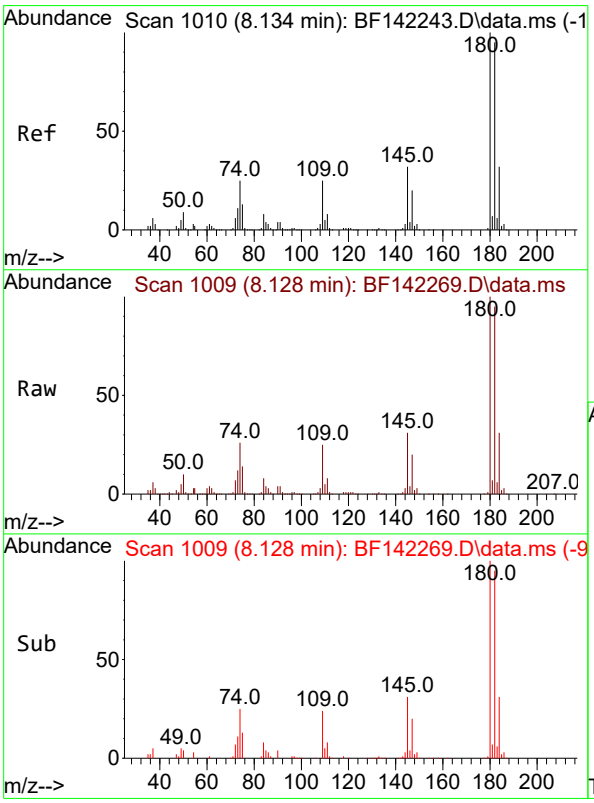
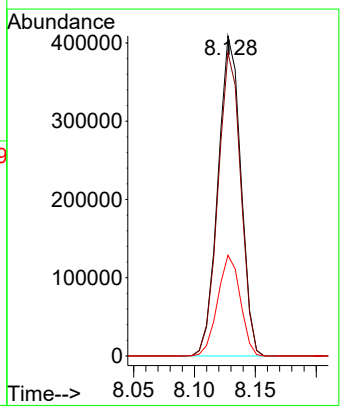
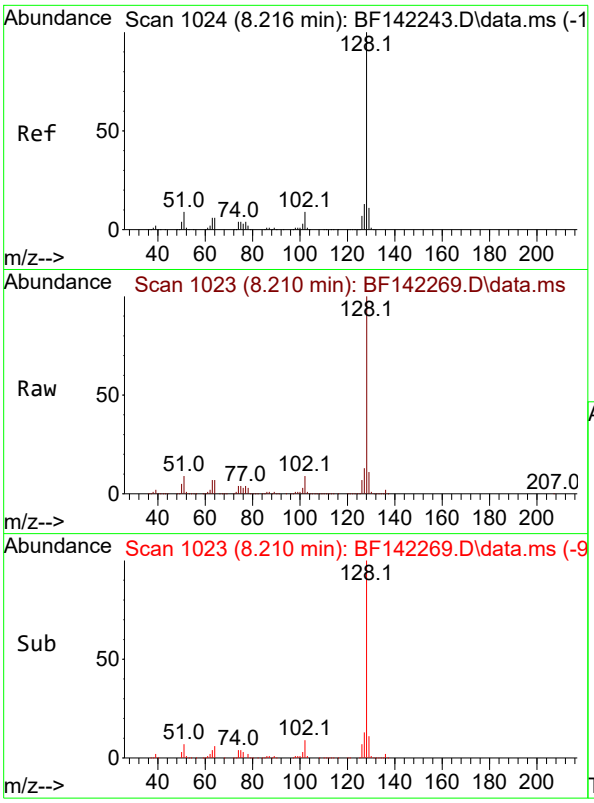


#30
1,2,4-Trichlorobenzene
Concen: 45.620 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:180 Resp: 532603

Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.7	113.5
145	31.5	25.4	38.0





#31
Naphthalene
Concen: 43.900 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:128 Resp: 170095

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.4
127	13.3	10.6	15.8

Instrument :
BNA_F
ClientSampleId :
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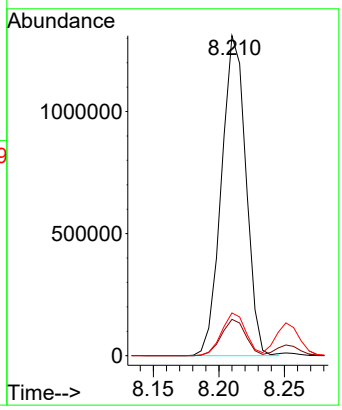
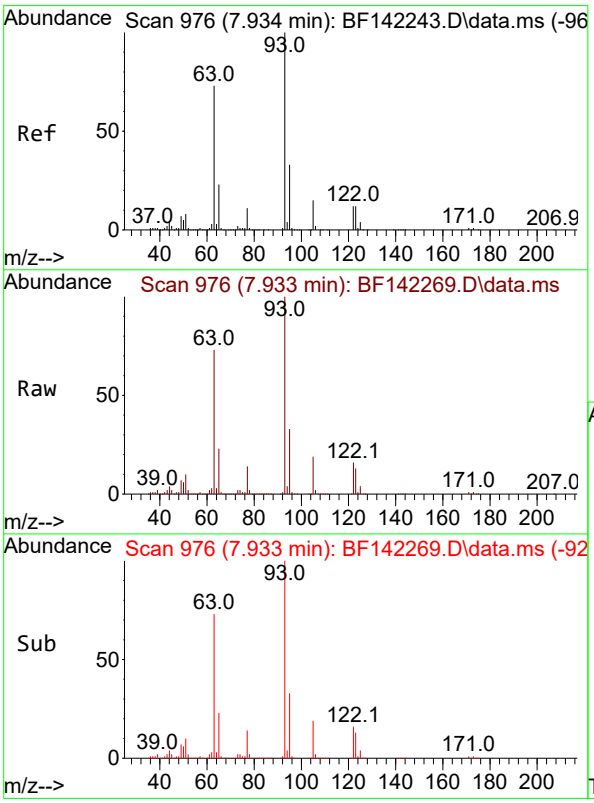
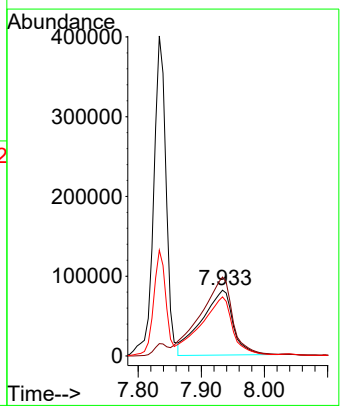


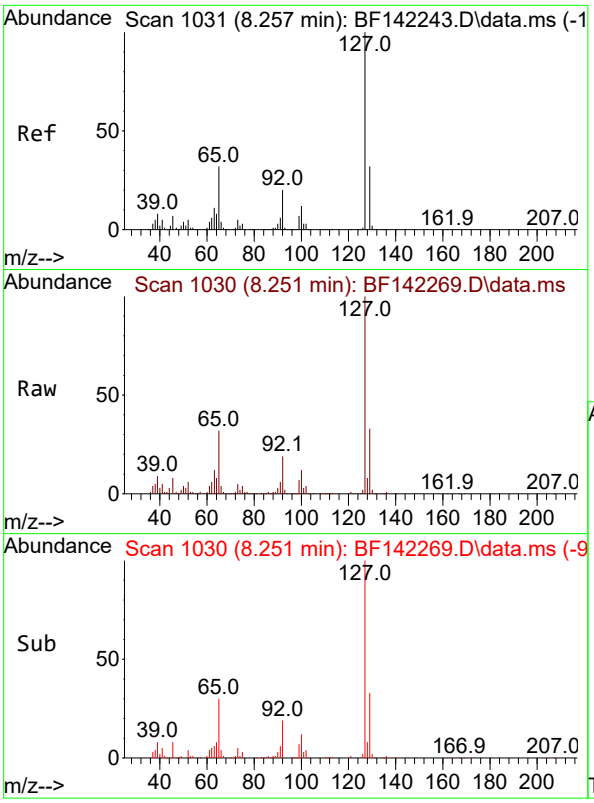


#32
Benzoic acid
Concen: 47.659 ng
RT: 7.933 min Scan# 976
Delta R.T. -0.001 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:122 Resp: 283194

Ion	Ratio	Lower	Upper
122	100		
105	120.2	98.2	138.2
77	89.8	66.8	106.8

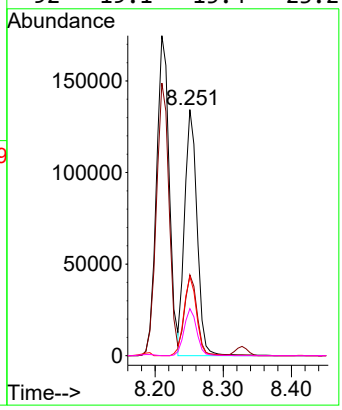




#33
4-Chloroaniline
Concen: 10.545 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:127 Resp: 17013

Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.1	39.1
65	32.2	25.5	38.3
92	19.1	15.4	23.2



Instrument :
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ClientSampleId :
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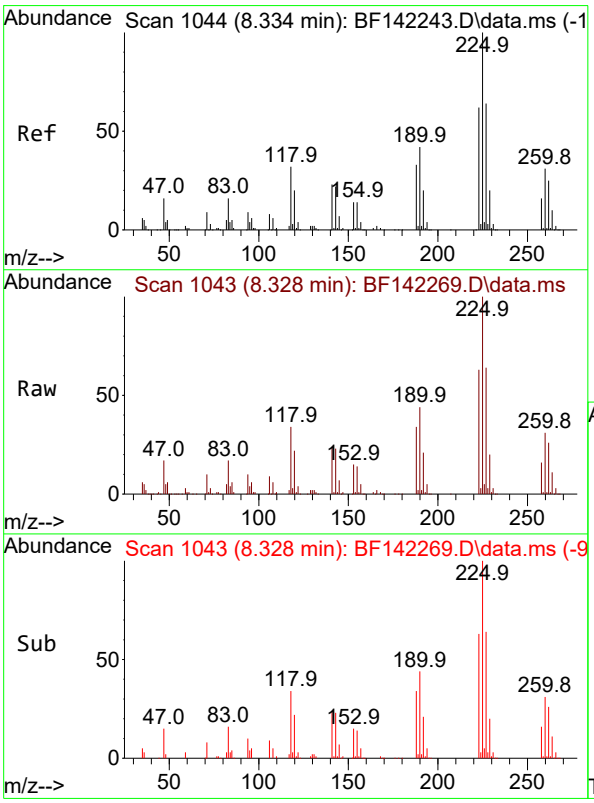
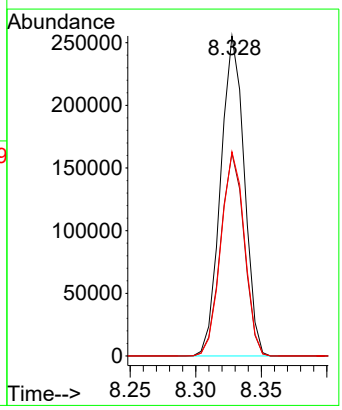
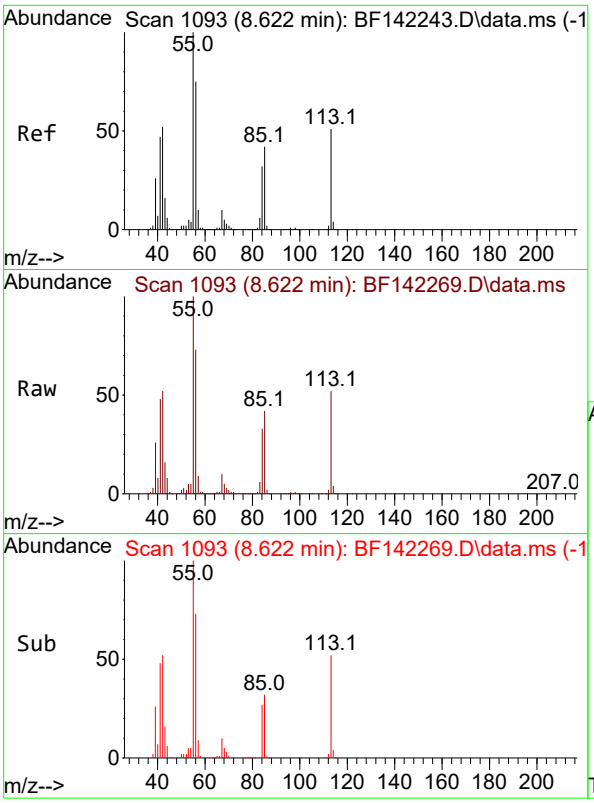


#34
Hexachlorobutadiene
Concen: 46.920 ng
RT: 8.328 min Scan# 1043
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:225 Resp: 319589

Ion	Ratio	Lower	Upper
225	100		
223	63.4	49.7	74.5
227	63.8	51.0	76.4

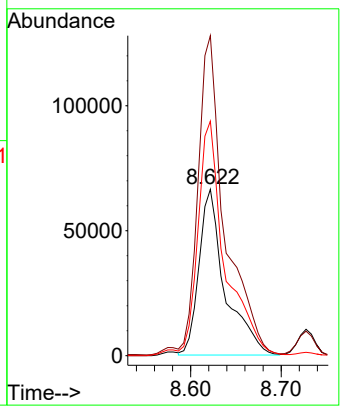




#35
Caprolactam
Concen: 42.252 ng m
RT: 8.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:113 Resp: 13286

Ion	Ratio	Lower	Upper
113	100		
55	192.3	177.7	217.7
56	141.0	127.1	167.1



Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

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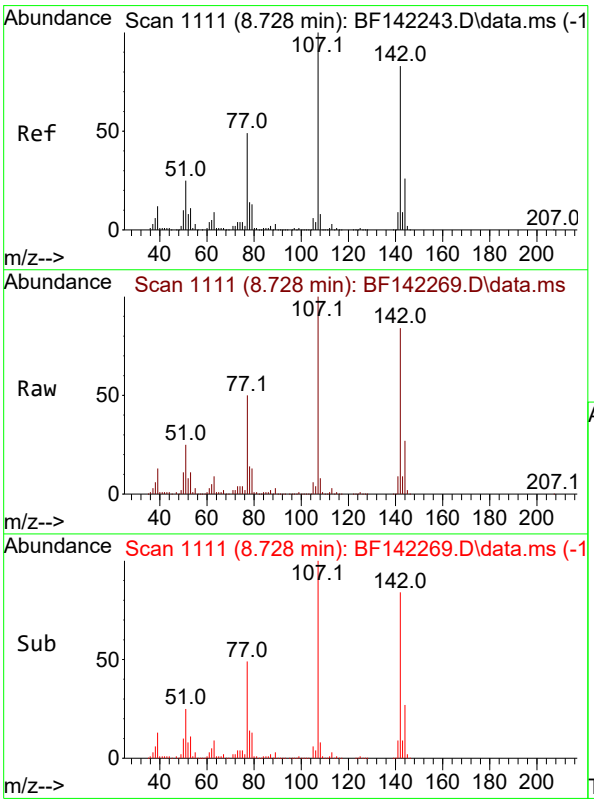
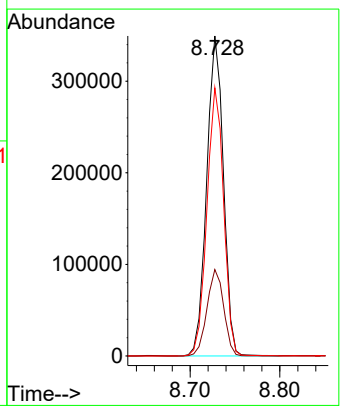
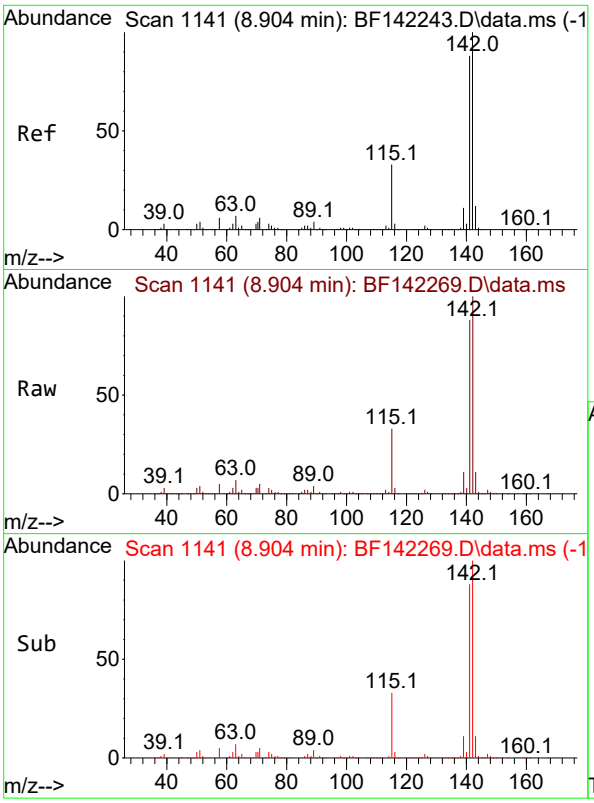


#36
4-Chloro-3-methylphenol
Concen: 42.138 ng
RT: 8.728 min Scan# 1111
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:107 Resp: 452691

Ion	Ratio	Lower	Upper
107	100		
144	27.0	21.0	31.4
142	83.8	66.1	99.1





#37
2-Methylnaphthalene
Concen: 42.967 ng
RT: 8.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:142 Resp: 102358

Ion	Ratio	Lower	Upper
142	100		
141	87.7	70.5	105.7

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

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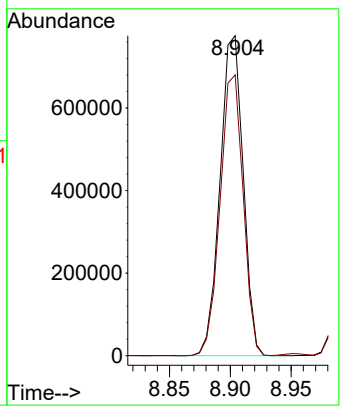
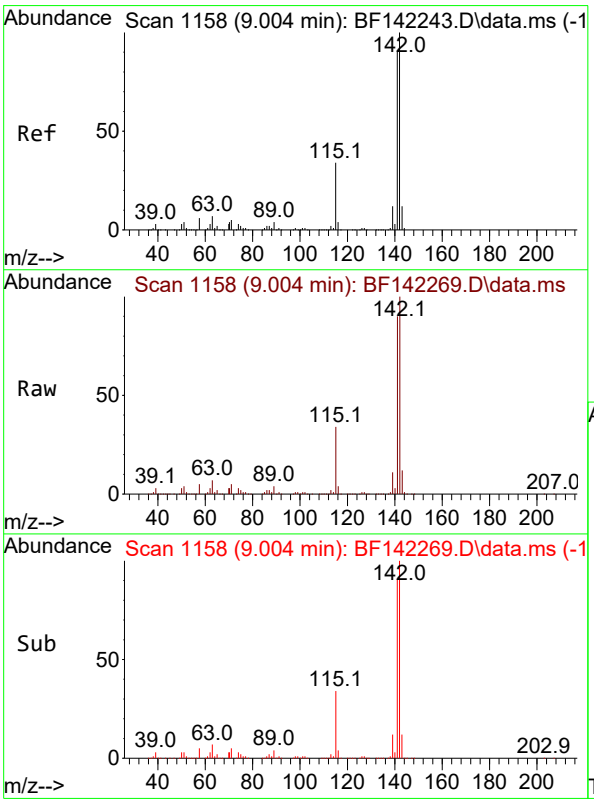
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

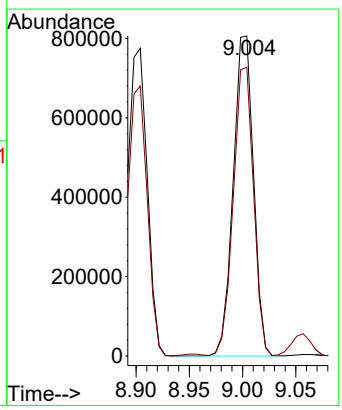


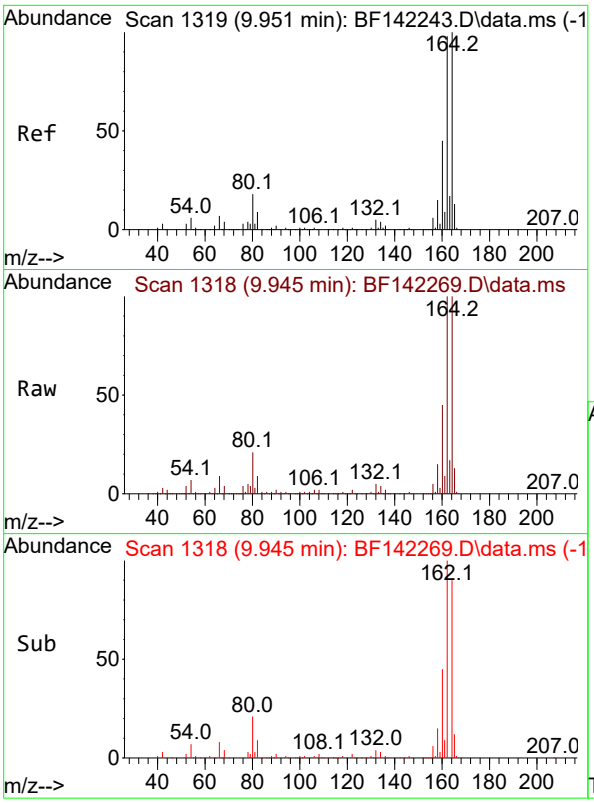


#38
1-Methylnaphthalene
Concen: 43.280 ng
RT: 9.004 min Scan# 1158
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:142 Resp: 1068100

Ion	Ratio	Lower	Upper
142	100		
141	90.2	72.8	109.2

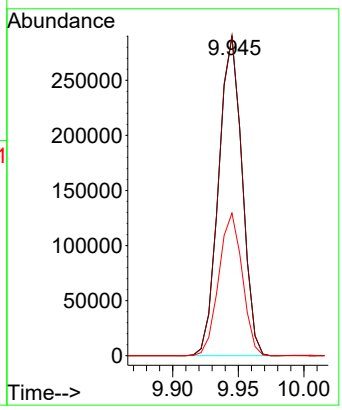




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:164 Resp: 35964

Ion	Ratio	Lower	Upper
164	100		
162	100.5	78.6	117.8
160	44.8	35.7	53.5



Instrument :
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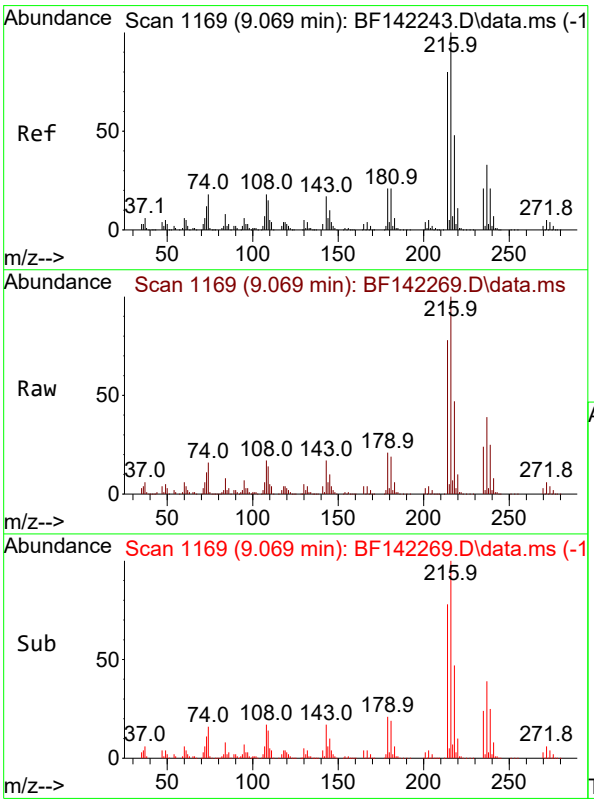
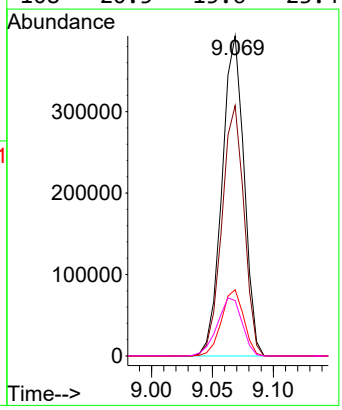
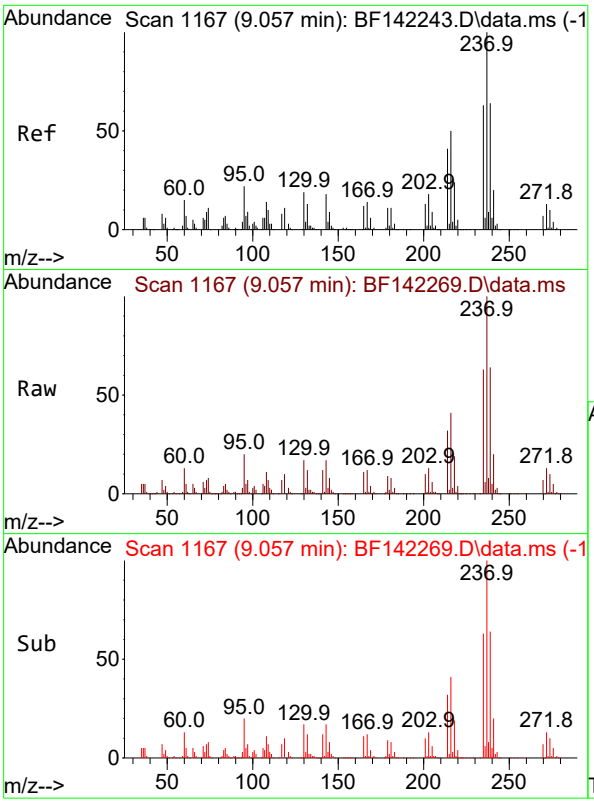


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.910 ng
RT: 9.069 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:216 Resp: 495043

Ion	Ratio	Lower	Upper
216	100		
214	78.4	63.8	95.6
179	20.8	16.7	25.1
108	20.5	15.6	23.4

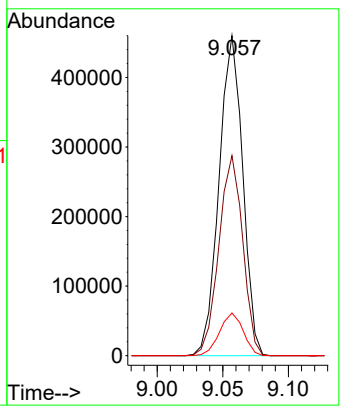




#41
Hexachlorocyclopentadiene
Concen: 100.490 ng
RT: 9.057 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:237 Resp: 57725

Ion	Ratio	Lower	Upper
237	100		
235	62.5	43.5	83.5
272	13.3	0.0	32.9



Instrument :
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ClientSampleId :
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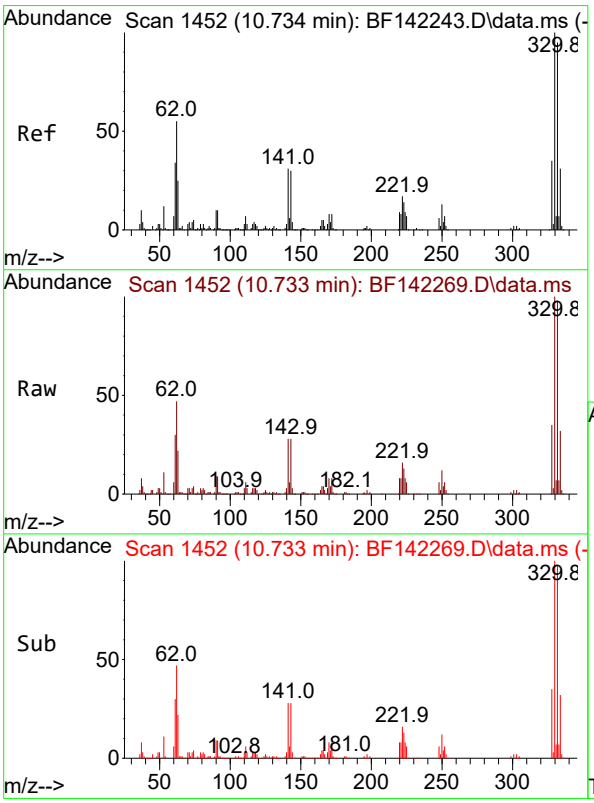
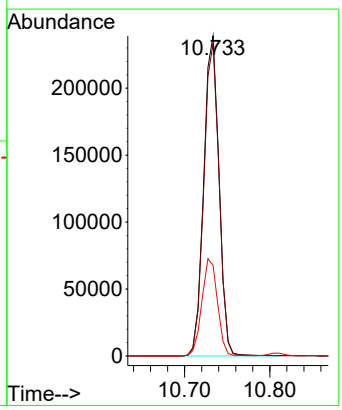
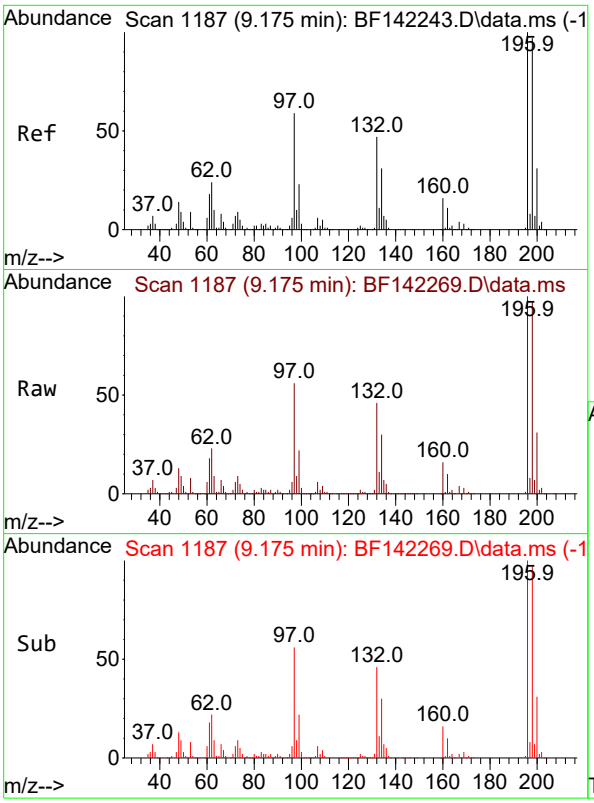


#42
2,4,6-Tribromophenol
Concen: 90.840 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:330 Resp: 297829

Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.5	114.7
141	31.1	24.3	36.5

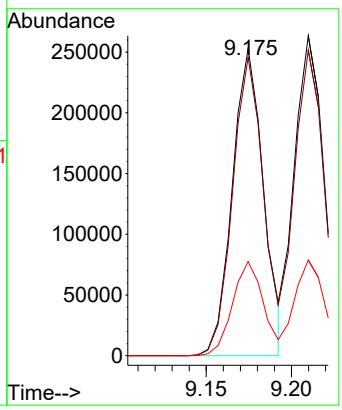




#43
2,4,6-Trichlorophenol
Concen: 51.266 ng
RT: 9.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:196 Resp: 32153

Ion	Ratio	Lower	Upper
196	100		
198	97.1	77.4	116.2
200	30.7	24.6	37.0



Instrument :
BNA_F
ClientSampleId :
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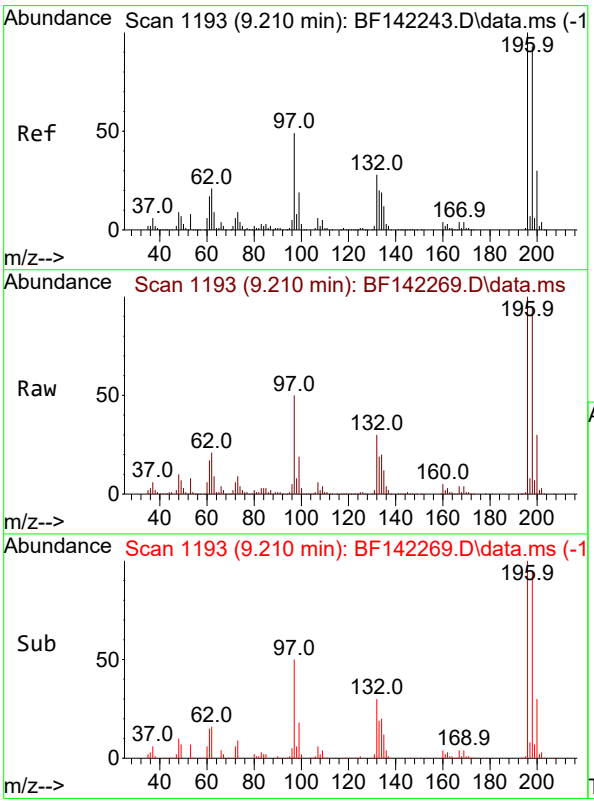
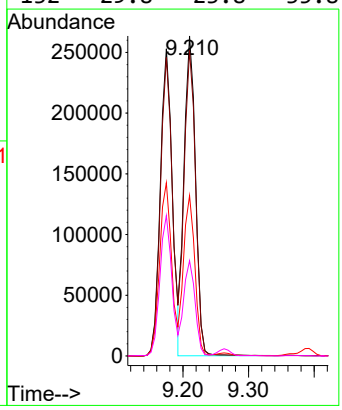
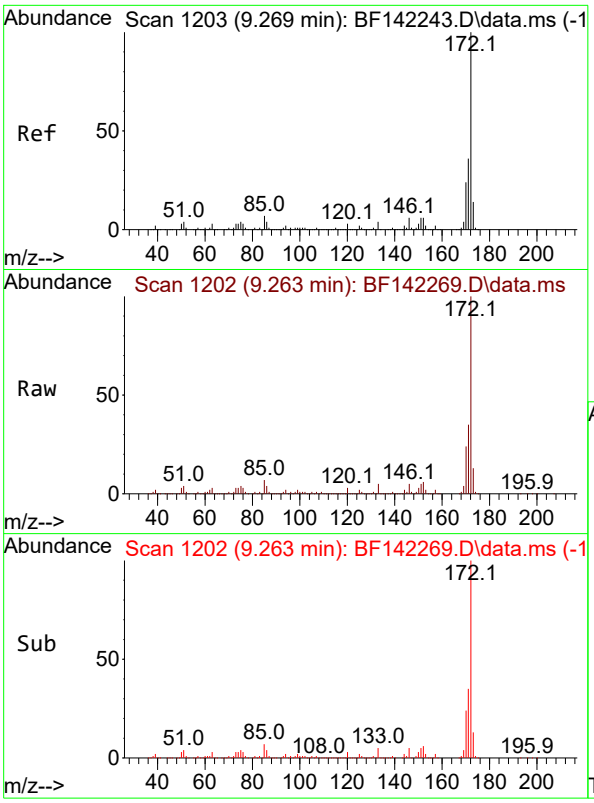


#44
2,4,5-Trichlorophenol
Concen: 48.342 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:196 Resp: 318776

Ion	Ratio	Lower	Upper
196	100		
198	95.5	75.2	112.8
97	50.1	39.8	59.8
132	29.8	23.8	35.8

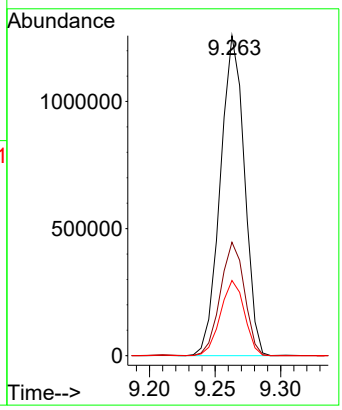




#45
2-Fluorobiphenyl
Concen: 63.132 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:172 Resp: 161032

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.0	43.4
170	23.5	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
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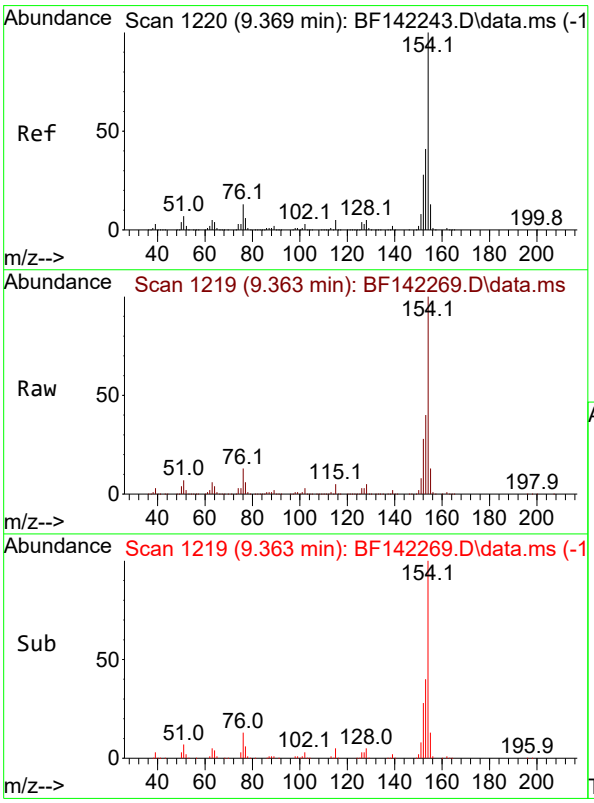
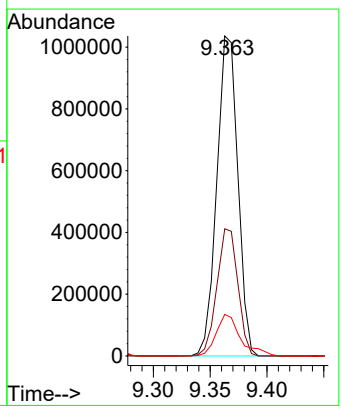
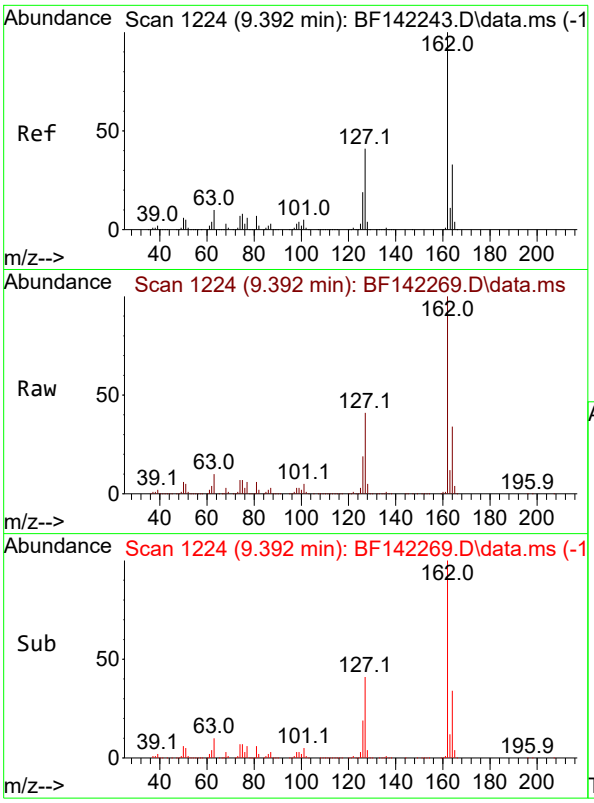


#46
1,1'-Biphenyl
Concen: 47.717 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:154 Resp: 1334117

Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.5	60.5
76	13.0	0.0	32.8

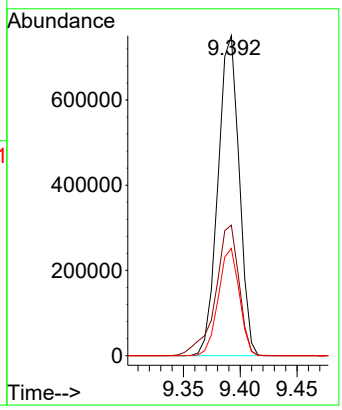




#47
2-Chloronaphthalene
Concen: 46.922 ng
RT: 9.392 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:162 Resp: 97603

Ion	Ratio	Lower	Upper
162	100		
127	40.8	32.6	49.0
164	33.5	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
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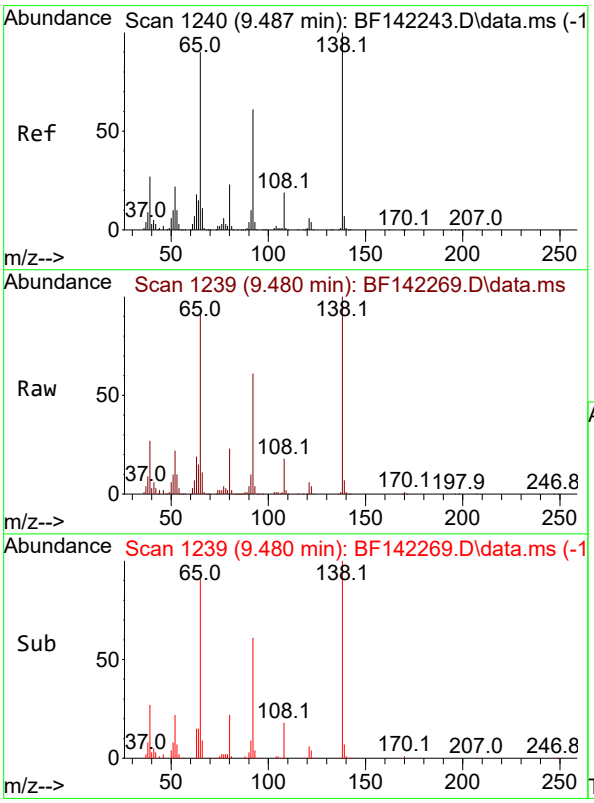
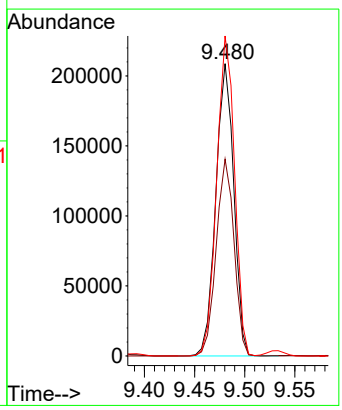
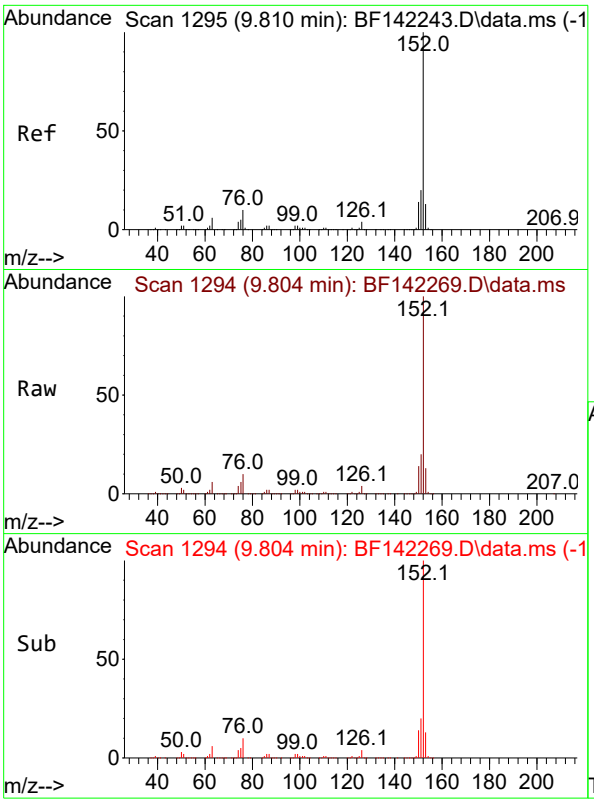


#48
2-Nitroaniline
Concen: 47.433 ng
RT: 9.480 min Scan# 1239
Delta R.T. -0.007 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion: 65 Resp: 259849

Ion	Ratio	Lower	Upper
65	100		
92	67.3	54.3	81.5
138	109.4	88.6	133.0

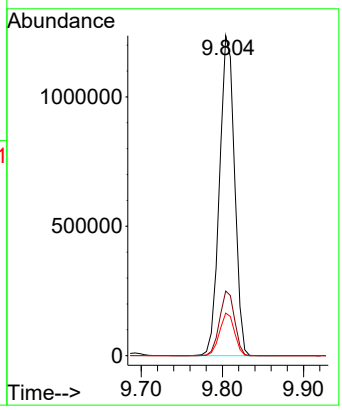




#49
Acenaphthylene
Concen: 45.426 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:152 Resp: 159452

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.3	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
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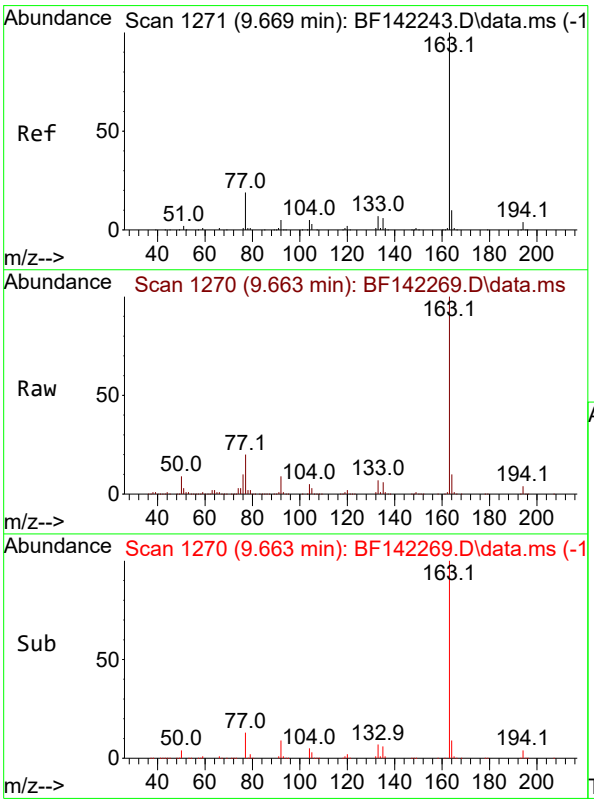
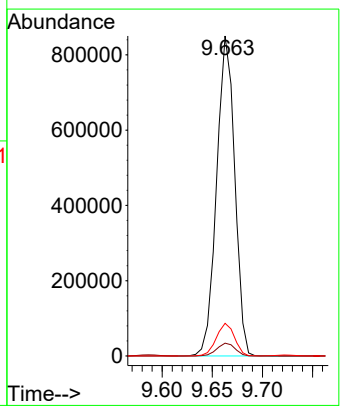
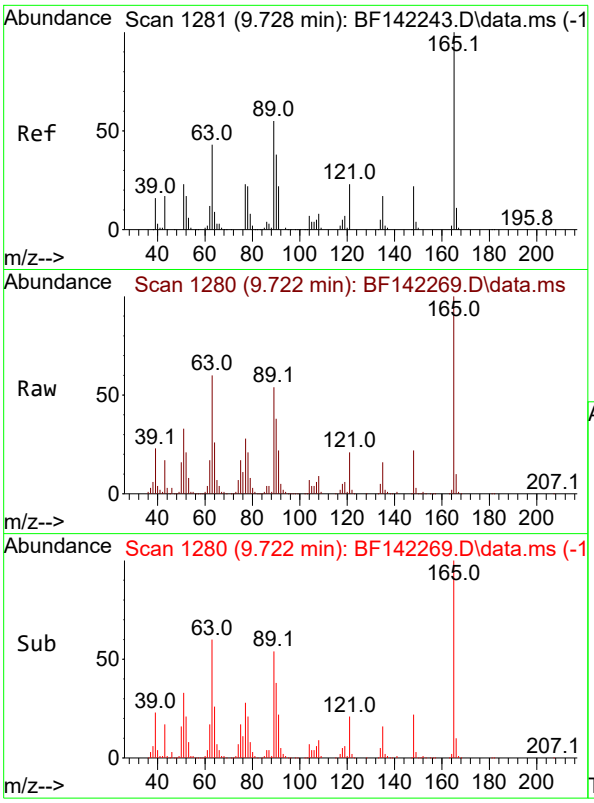


#50
Dimethylphthalate
Concen: 46.343 ng
RT: 9.663 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:163 Resp: 1066261

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.2	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 48.680 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:165 Resp: 21510

Ion	Ratio	Lower	Upper
165	100		
63	60.1	48.5	72.7
89	53.6	43.9	65.9

Instrument :
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ClientSampleId :
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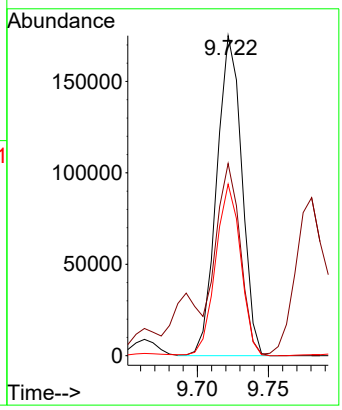
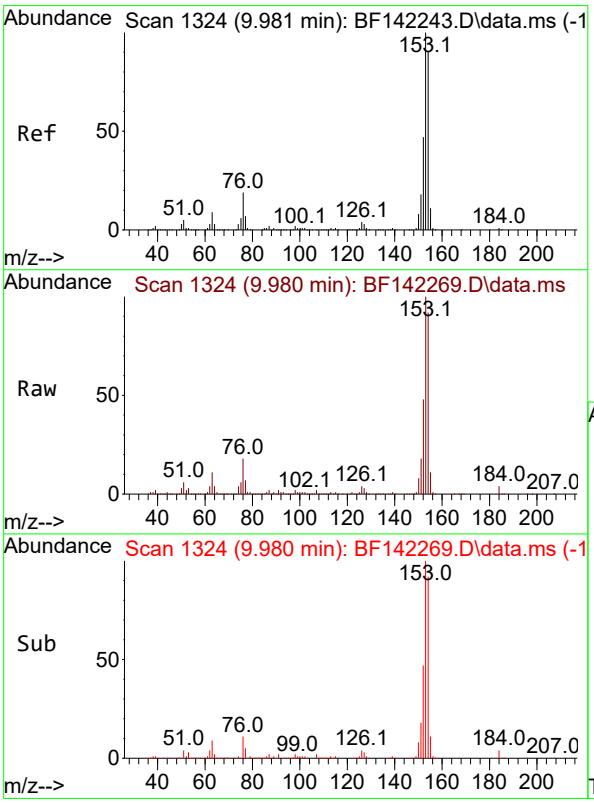
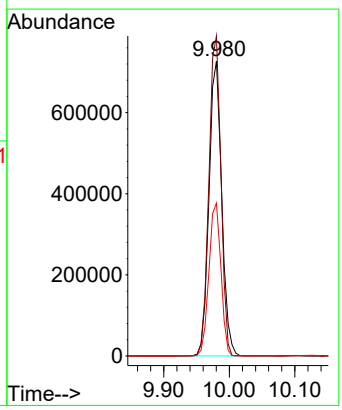


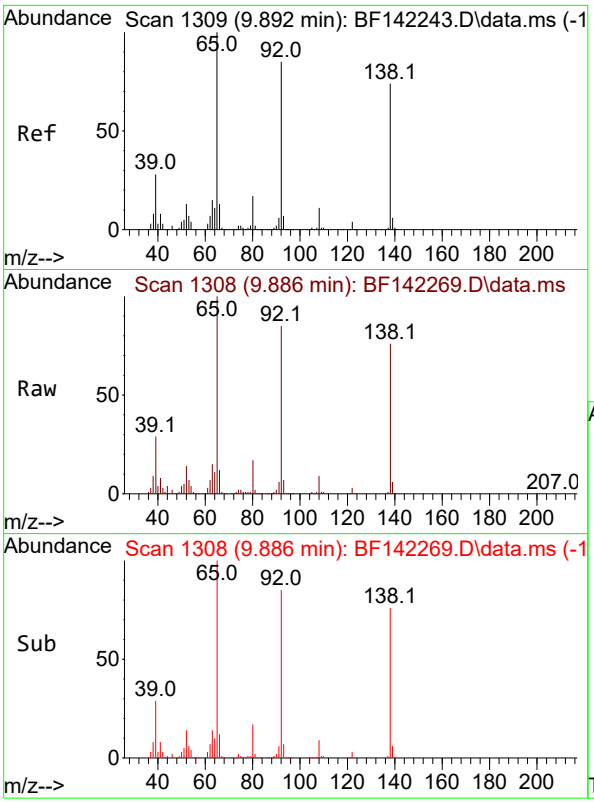


#52
Acenaphthene
Concen: 47.938 ng
RT: 9.980 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:154 Resp: 982506

Ion	Ratio	Lower	Upper
154	100		
153	108.5	88.6	133.0
152	51.8	42.1	63.1





#53
3-Nitroaniline
Concen: 25.292 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:138 Resp: 12710

Ion	Ratio	Lower	Upper
138	100		
108	12.1	11.7	17.5
92	112.1	91.2	136.8

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

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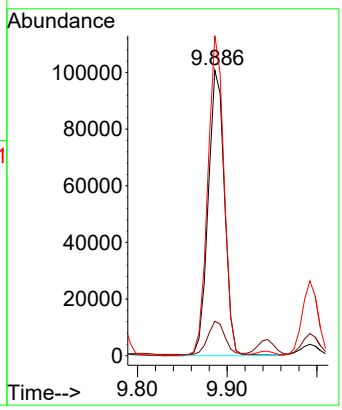
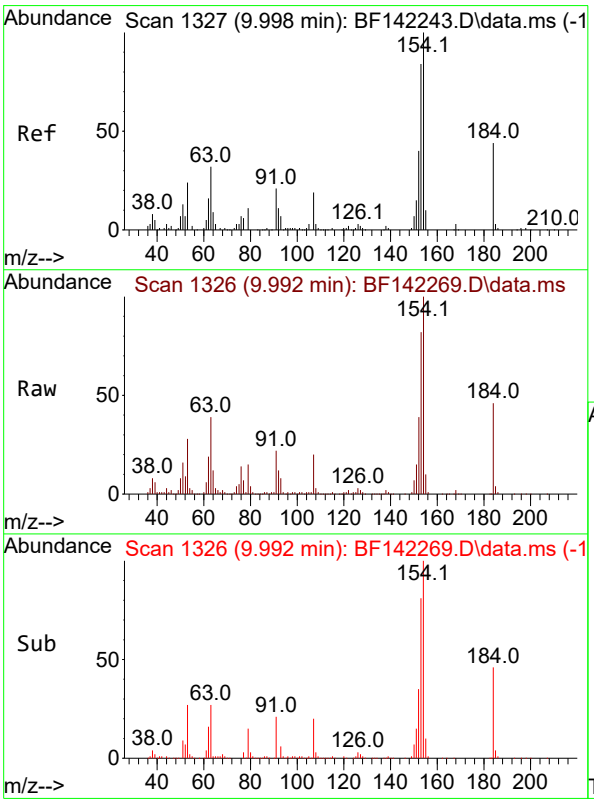
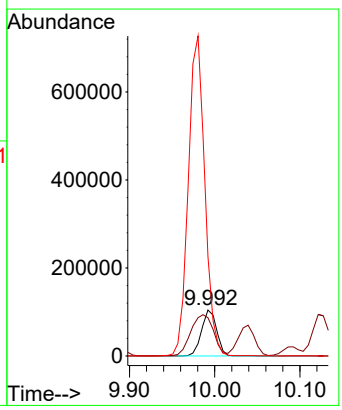


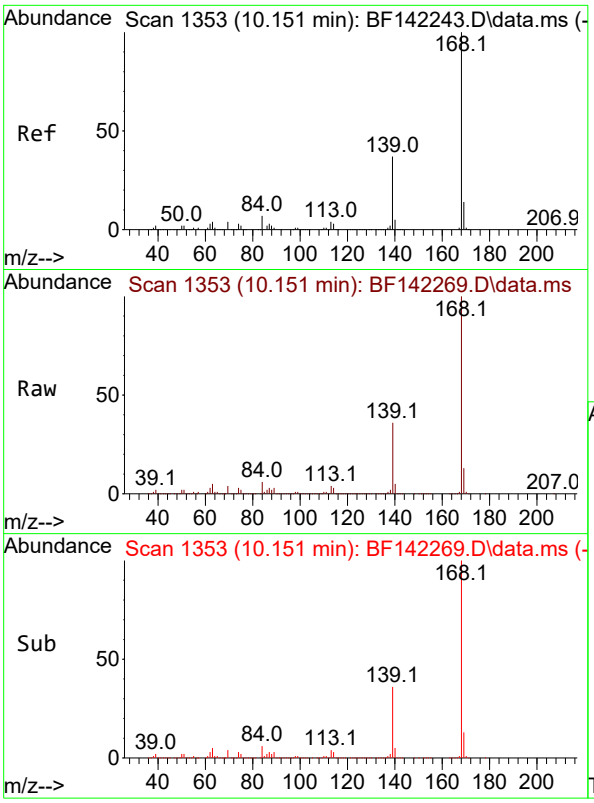


#54
2,4-Dinitrophenol
Concen: 82.147 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:184 Resp: 128668

Ion	Ratio	Lower	Upper
184	100		
63	83.3	69.2	103.8
154	216.1	271.4	407.2#

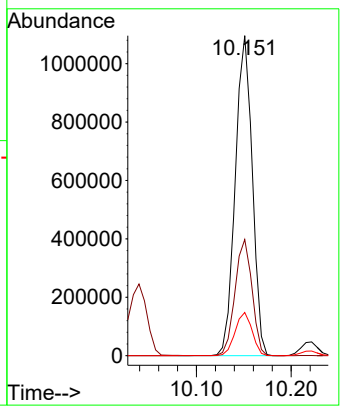




#55
Dibenzofuran
Concen: 44.394 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:168 Resp: 136390

Ion	Ratio	Lower	Upper
168	100		
139	36.3	29.4	44.0
169	13.5	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
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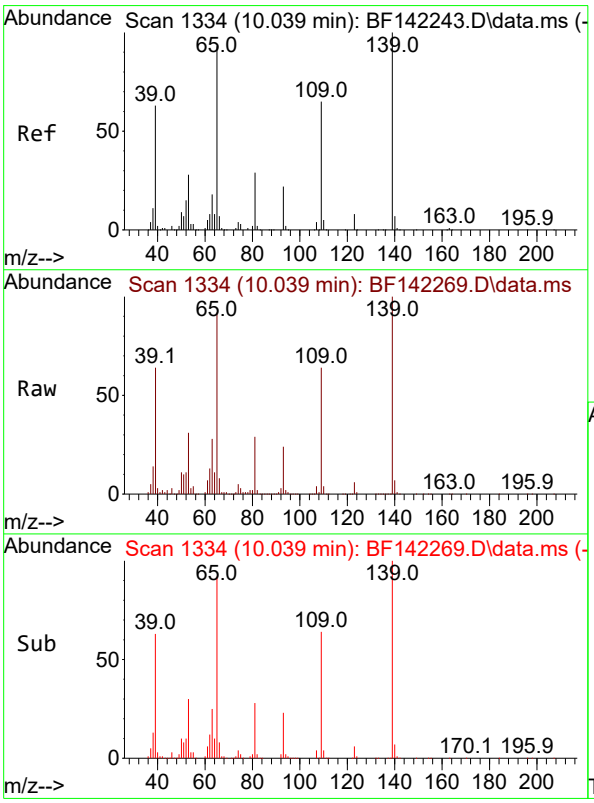
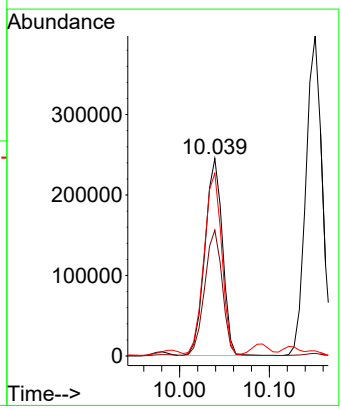
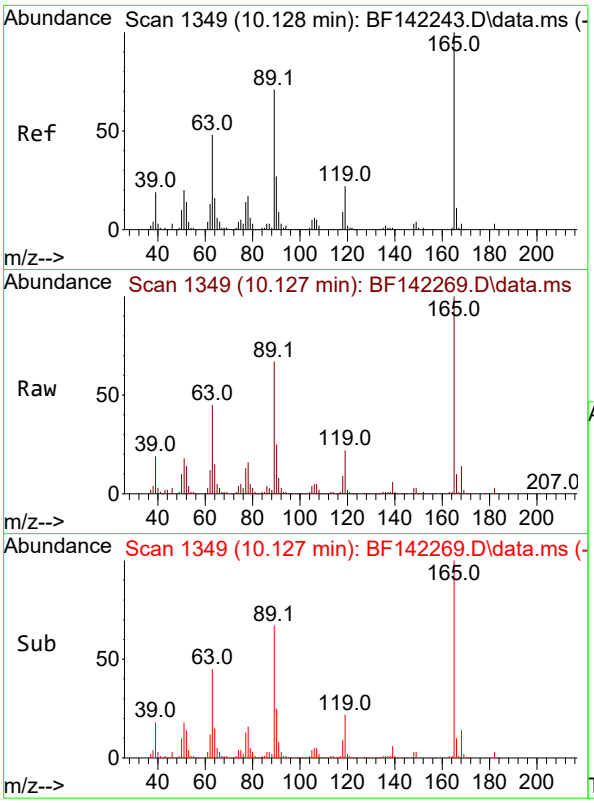


#56
4-Nitrophenol
Concen: 91.654 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:139 Resp: 331460

Ion	Ratio	Lower	Upper
139	100		
109	63.8	44.9	84.9
65	92.5	74.7	114.7

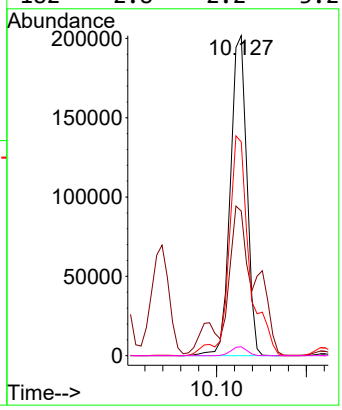




#57
2,4-Dinitrotoluene
Concen: 48.111 ng
RT: 10.127 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:165 Resp: 25708

Ion	Ratio	Lower	Upper
165	100		
63	45.2	38.8	58.2
89	66.8	57.1	85.7
182	2.8	2.2	3.2



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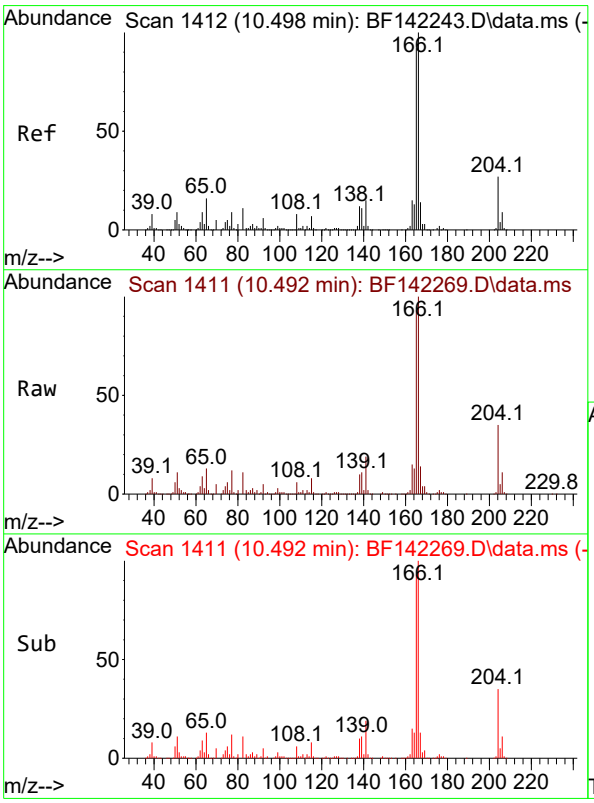
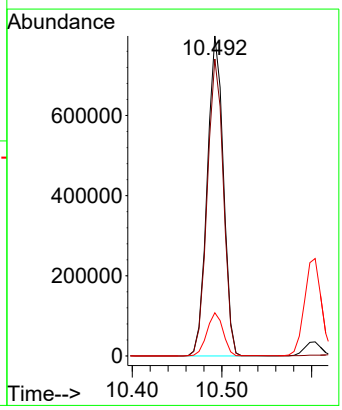
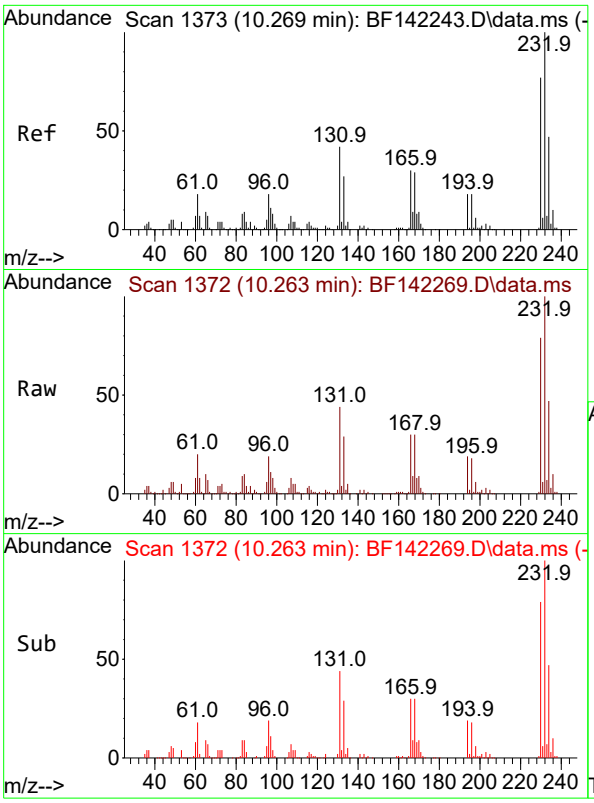


#58
Fluorene
Concen: 42.717 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:166 Resp: 997907

Ion	Ratio	Lower	Upper
166	100		
165	92.8	73.9	110.9
167	13.5	10.8	16.2

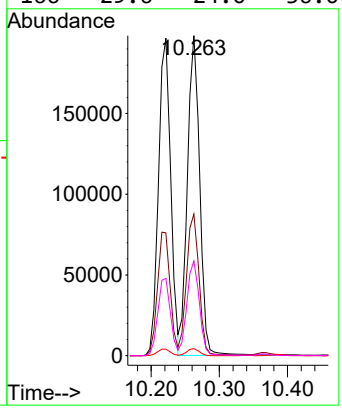




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.135 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:232 Resp: 24653

Ion	Ratio	Lower	Upper
232	100		
131	45.3	35.9	53.9
130	2.2	1.8	2.6
166	29.6	24.0	36.0



Instrument :
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ClientSampleId :
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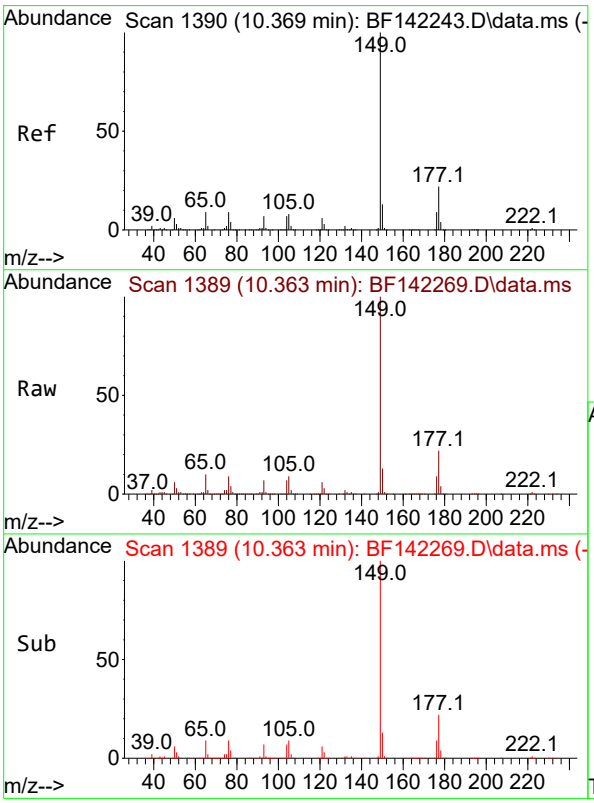
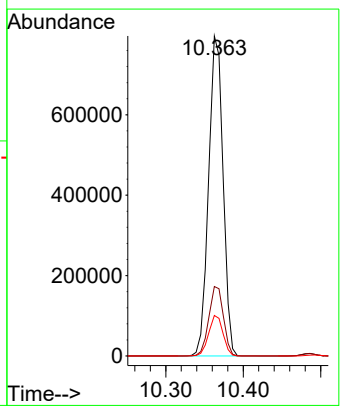
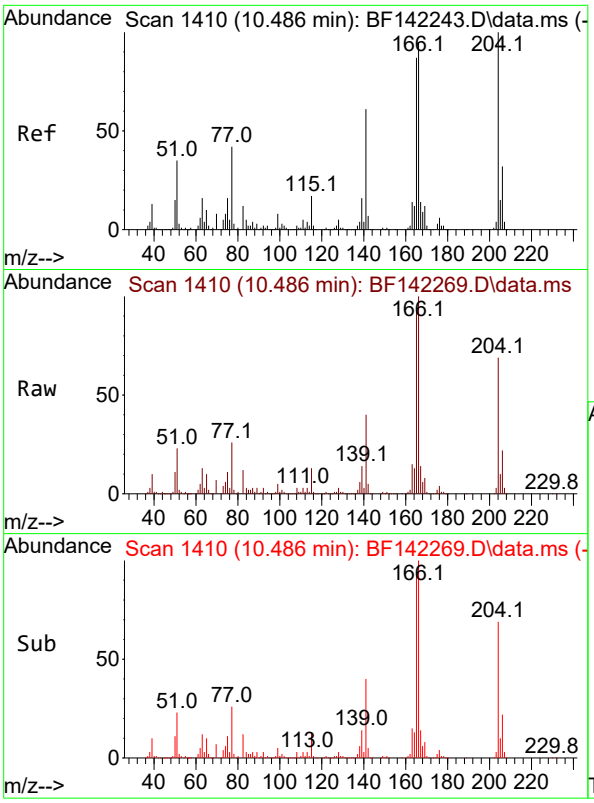


#60
Diethylphthalate
Concen: 45.408 ng
RT: 10.363 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:149 Resp: 1031674

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.6	26.4
150	12.6	10.2	15.2





#61
4-Chlorophenyl-phenylether
Concen: 44.277 ng
RT: 10.486 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:204 Resp: 49120

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.6	38.4
141	58.3	48.9	73.3

Instrument :
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ClientSampleId :
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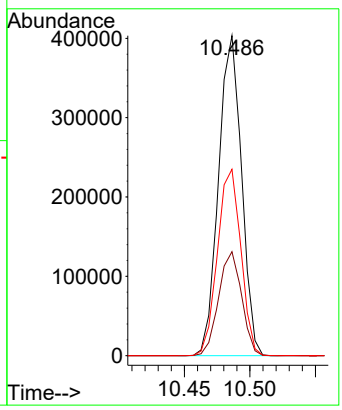
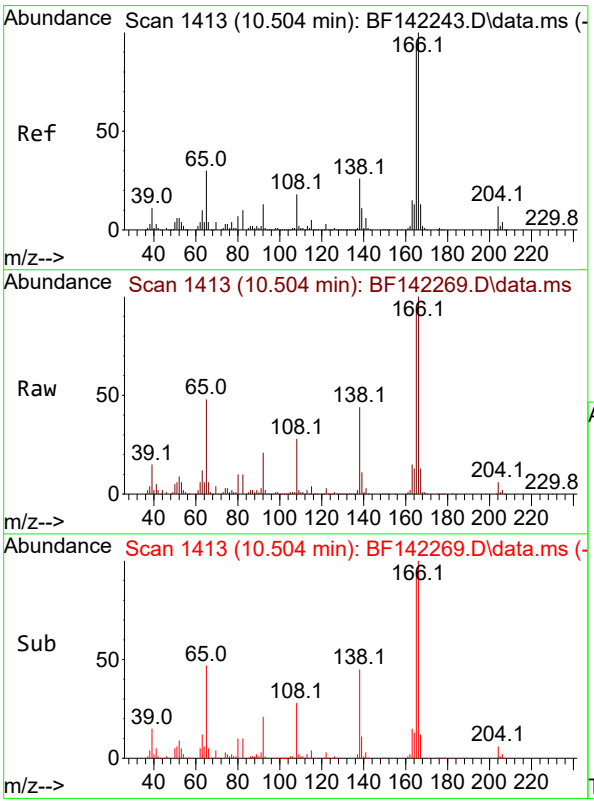
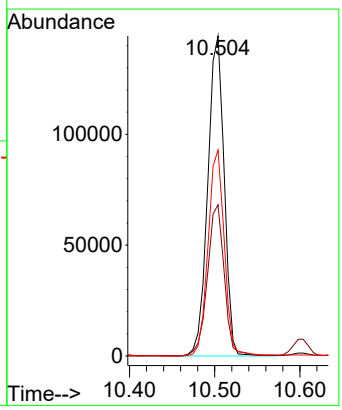


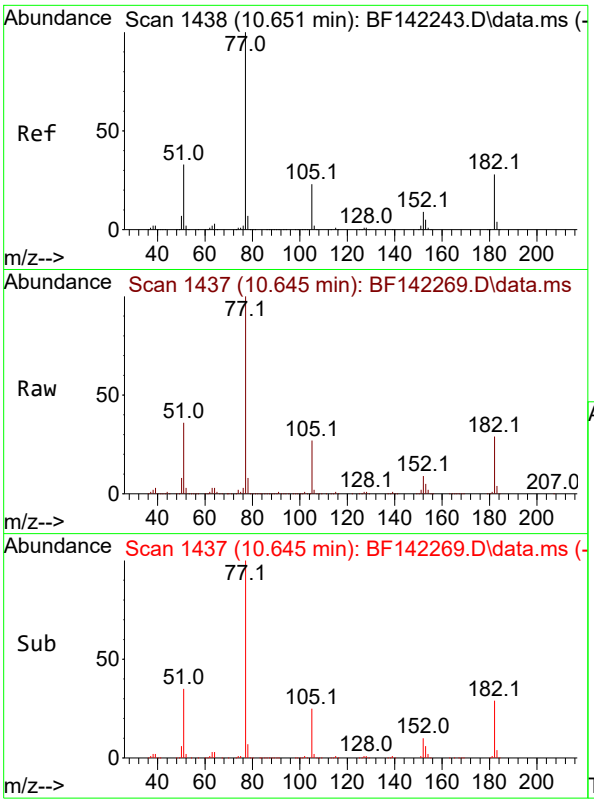


#62
4-Nitroaniline
Concen: 40.097 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:138 Resp: 193314

Ion	Ratio	Lower	Upper
138	100		
92	47.3	29.2	69.2
108	64.3	49.1	89.1

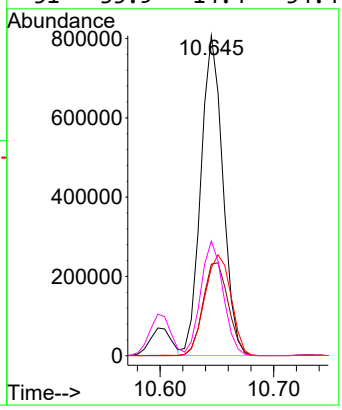




#63
Azobenzene
Concen: 48.349 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion: 77 Resp: 108474

Ion	Ratio	Lower	Upper
77	100		
182	28.6	7.3	47.3
105	27.5	2.5	42.5
51	35.9	14.4	54.4



Instrument :
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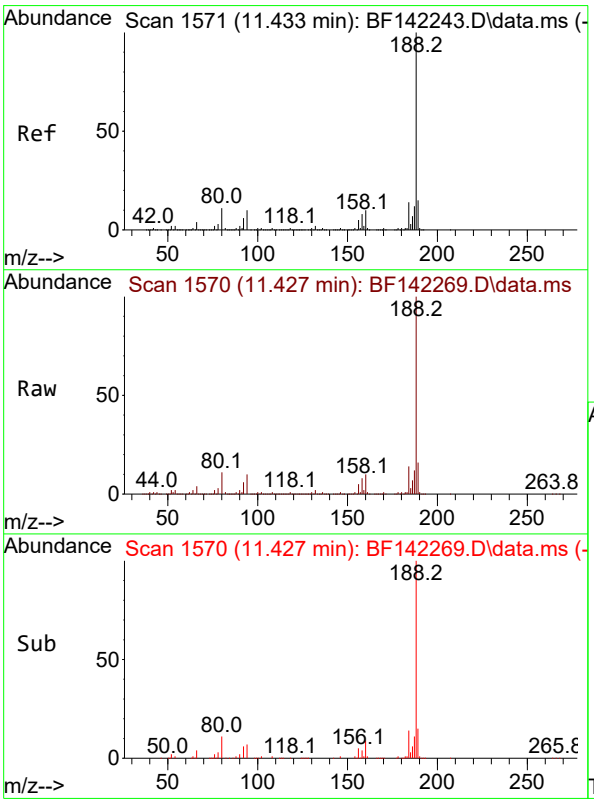
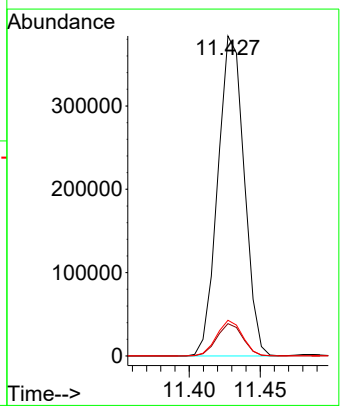
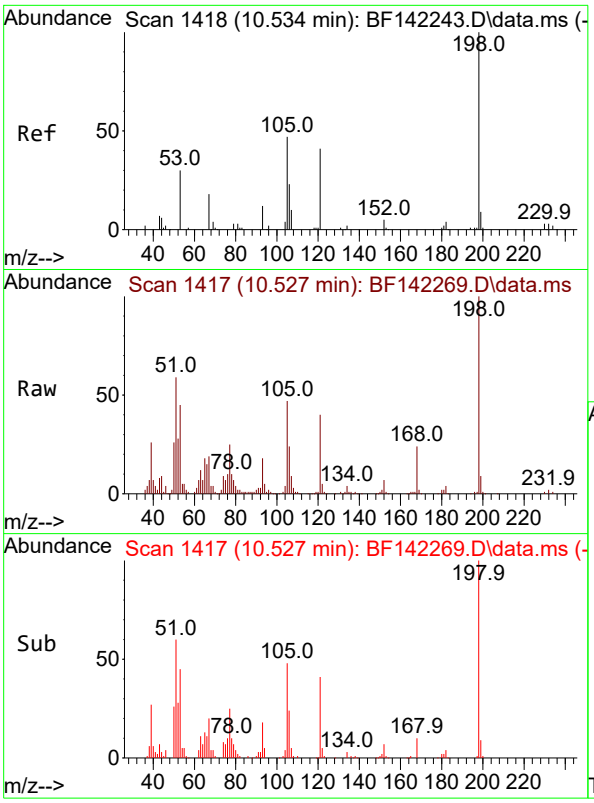


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:188 Resp: 495470

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.2	12.2
80	11.1	8.6	12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 52.188 ng
RT: 10.527 min Scan# 14
Delta R.T. -0.007 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:198 Resp: 8711(

Ion	Ratio	Lower	Upper
198	100		
51	58.7	40.6	80.6
105	46.5	29.2	69.2

Instrument :
BNA_F
ClientSampleId :
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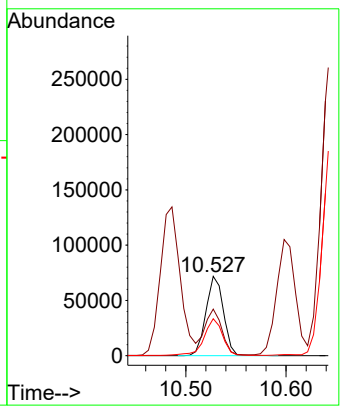
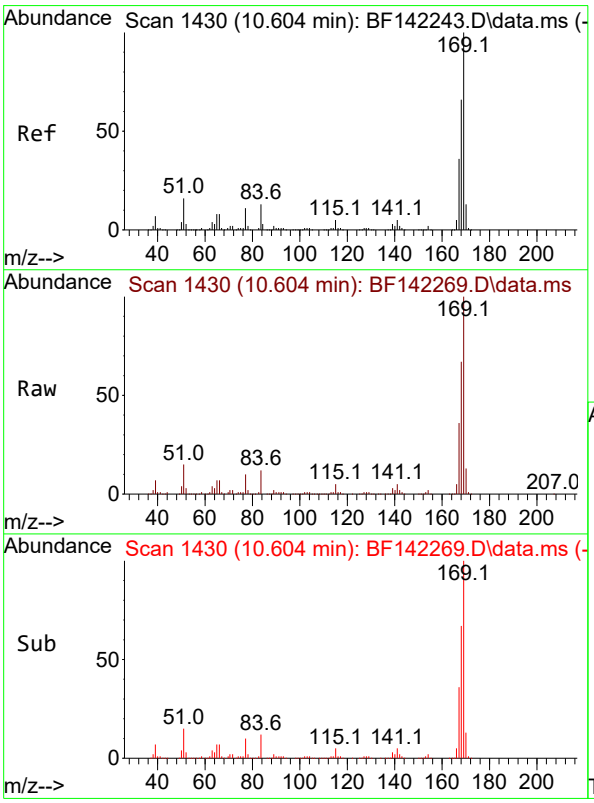
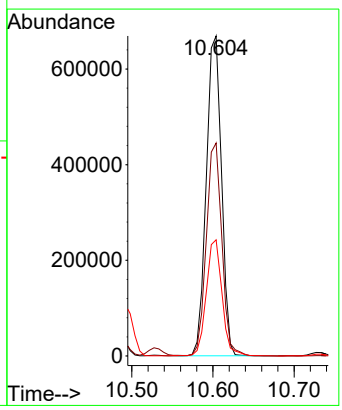


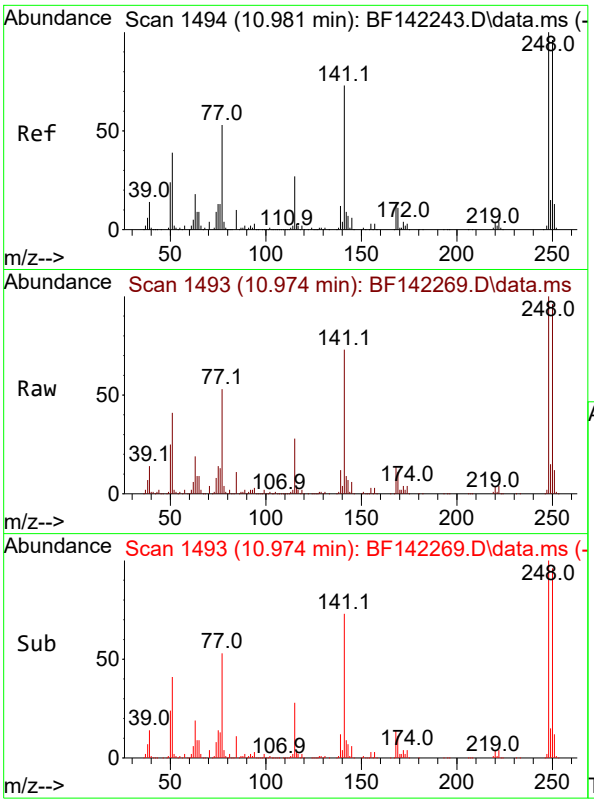


#66
n-Nitrosodiphenylamine
Concen: 51.295 ng
RT: 10.604 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:169 Resp: 868383

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.0	79.6
167	36.3	28.8	43.2

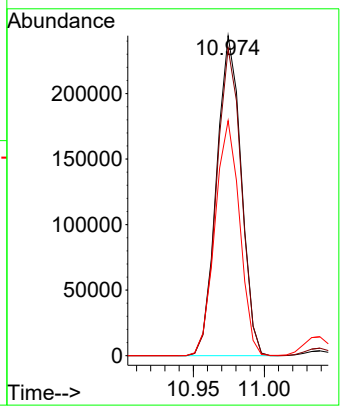




#67
4-Bromophenyl-phenylether
Concen: 53.349 ng
RT: 10.974 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:248 Resp: 29437

Ion	Ratio	Lower	Upper
248	100		
250	96.0	77.2	115.8
141	73.5	58.4	87.6



Instrument :
BNA_F
ClientSampleId :
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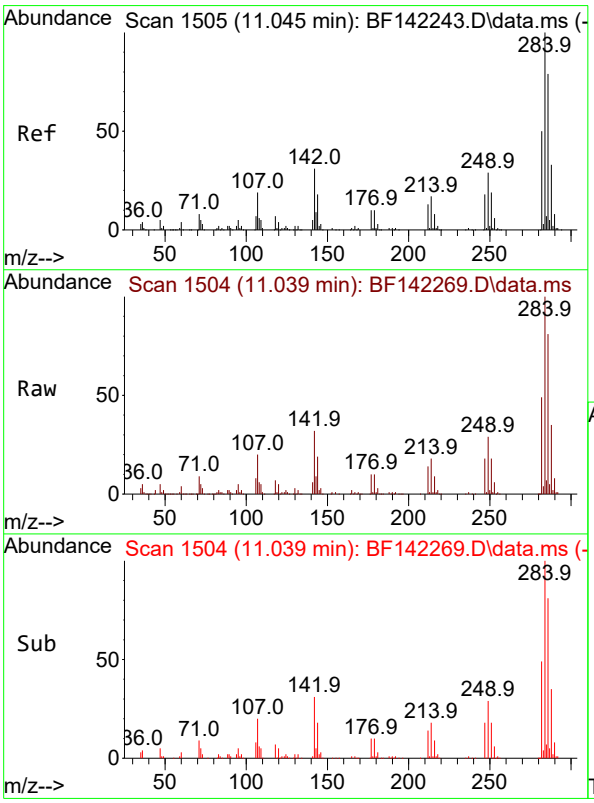
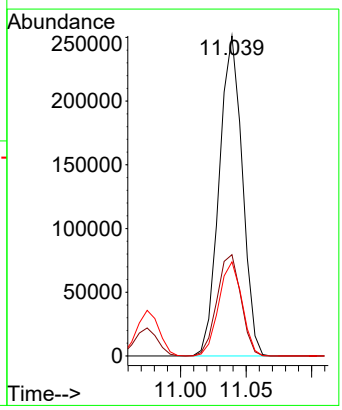
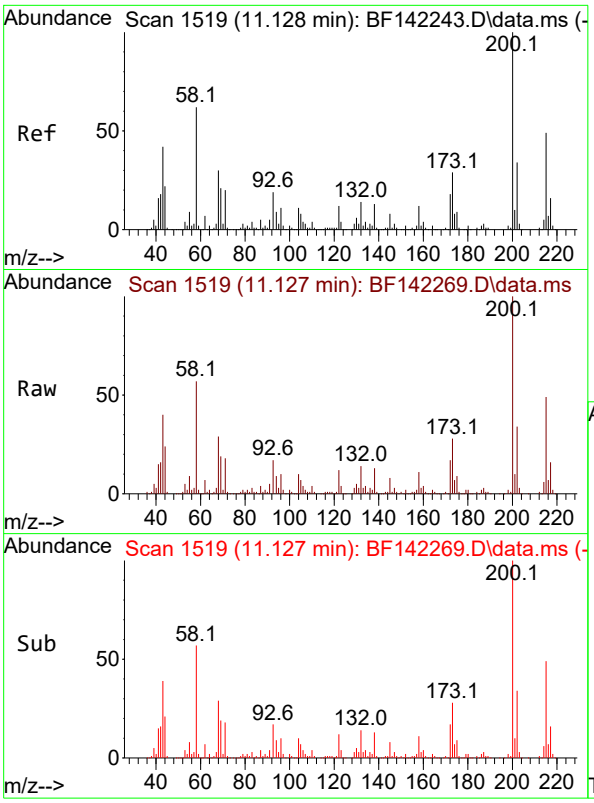


#68
Hexachlorobenzene
Concen: 49.785 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:284 Resp: 307669

Ion	Ratio	Lower	Upper
284	100		
142	31.7	24.6	37.0
249	29.4	23.2	34.8

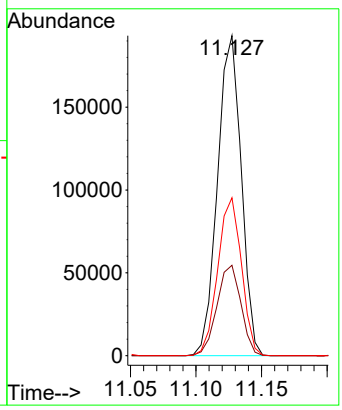




#69
Atrazine
Concen: 54.396 ng
RT: 11.127 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:200 Resp: 24273

Ion	Ratio	Lower	Upper
200	100		
173	28.3	8.6	48.6
215	49.4	28.5	68.5



Instrument :
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ClientSampleId :
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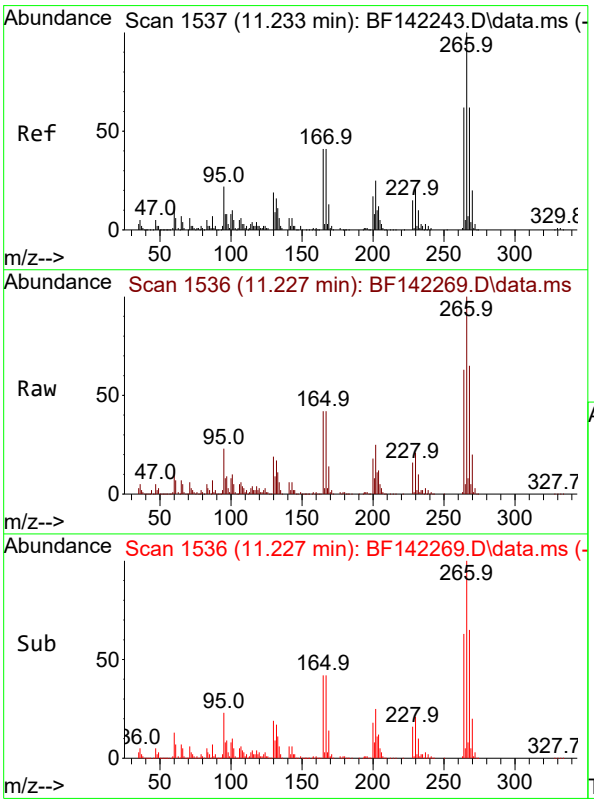
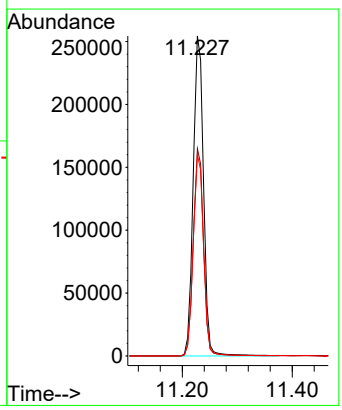
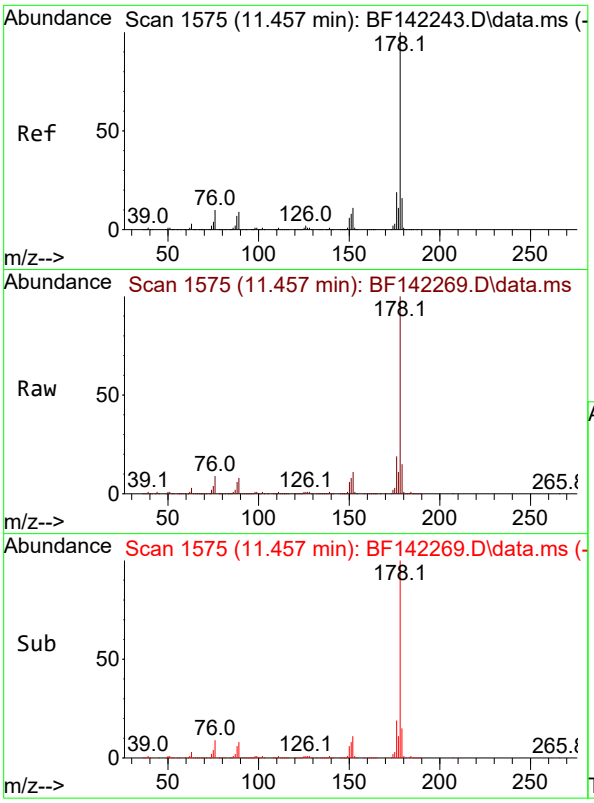


#70
Pentachlorophenol
Concen: 101.471 ng
RT: 11.227 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:266 Resp: 331283

Ion	Ratio	Lower	Upper
266	100		
268	64.8	50.0	75.0
264	62.9	49.3	73.9

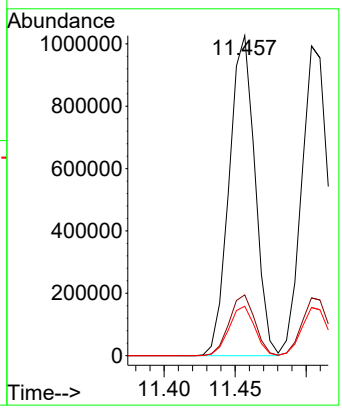




#71
Phenanthrene
Concen: 48.485 ng
RT: 11.457 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:178 Resp: 129763

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.4	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
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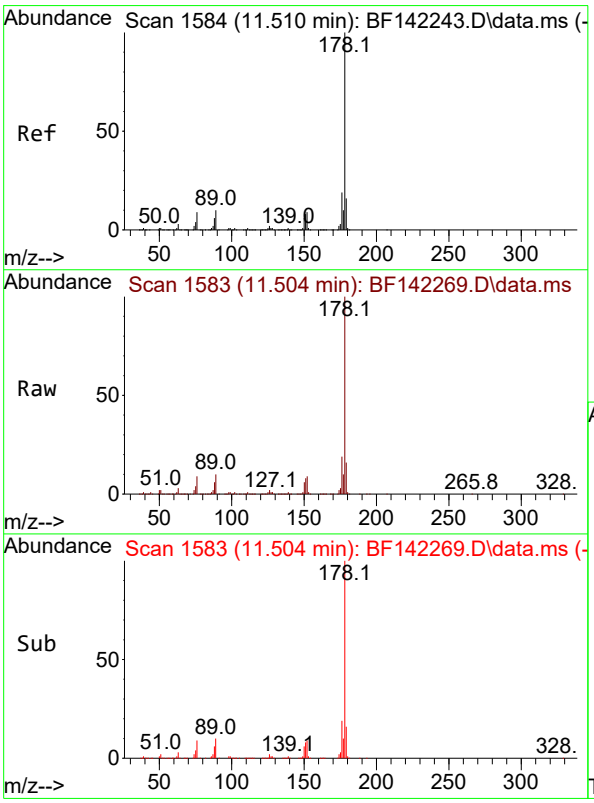
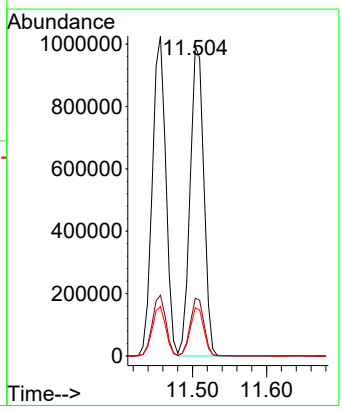
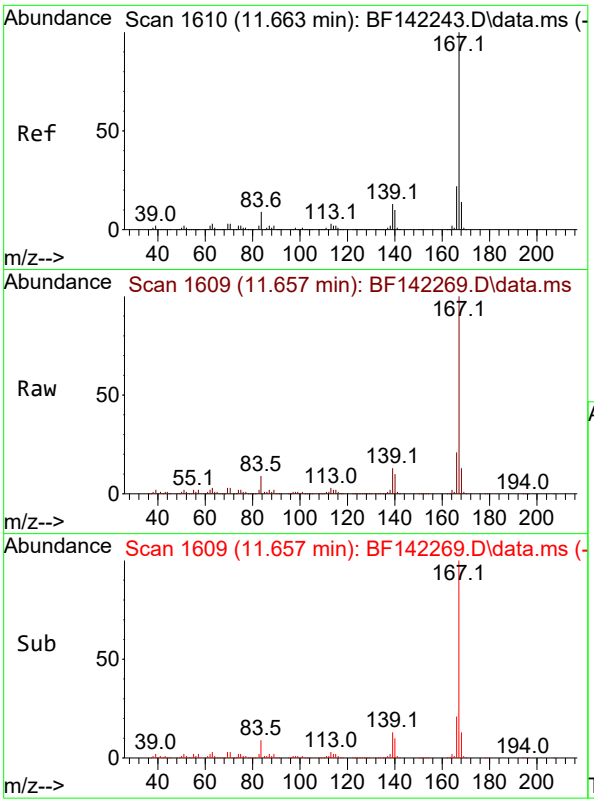


#72
Anthracene
Concen: 46.391 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:178 Resp: 1269418

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.3	22.9
179	15.5	12.7	19.1

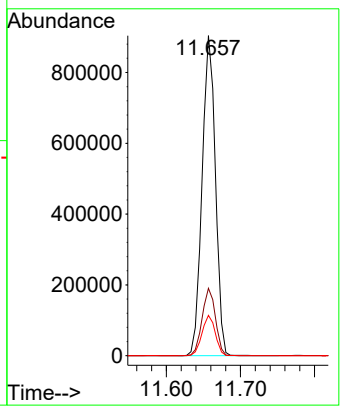




#73
Carbazole
Concen: 45.188 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:167 Resp: 112797

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.3	25.9
139	12.6	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

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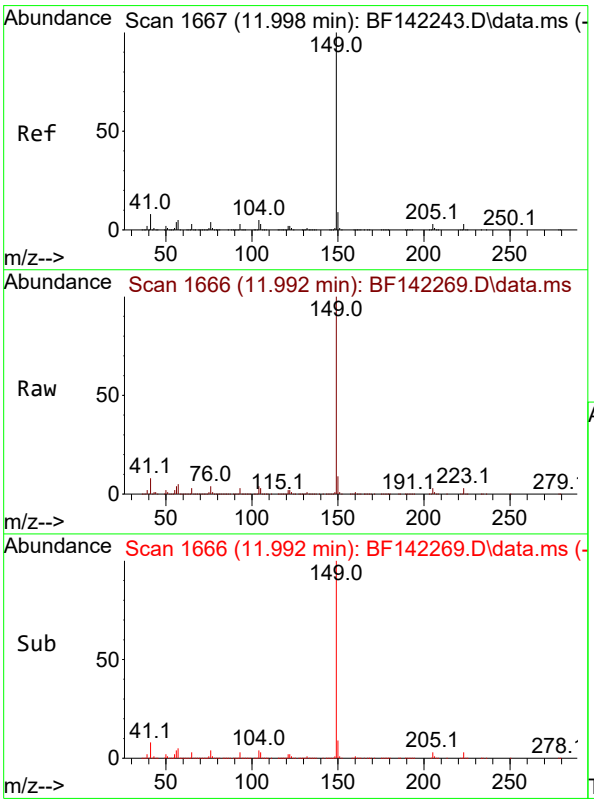
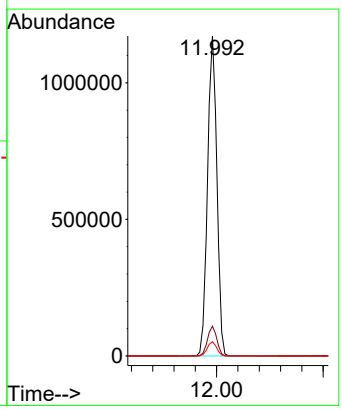
Supervised By :Jagrut Upadhyay 05/02/2025

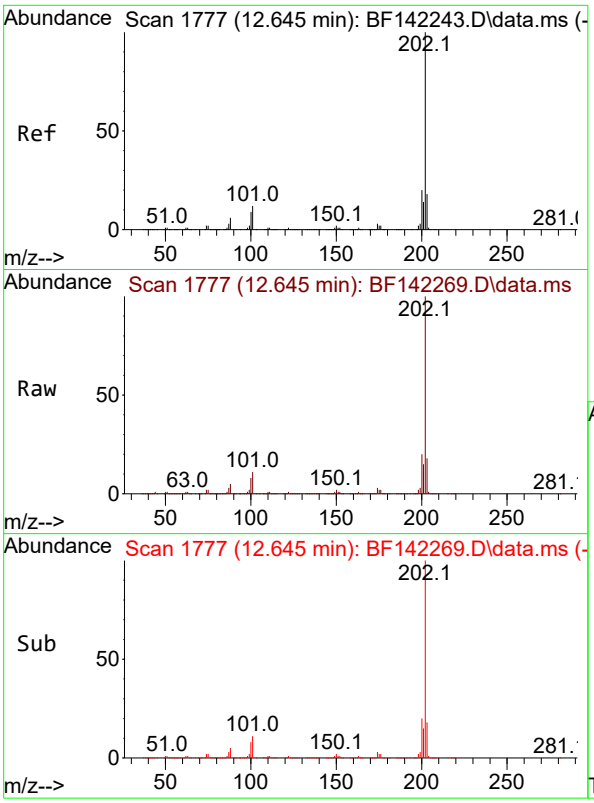


#74
Di-n-butylphthalate
Concen: 56.880 ng
RT: 11.992 min Scan# 1666
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:149 Resp: 1427936

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	4.5	3.6	5.4

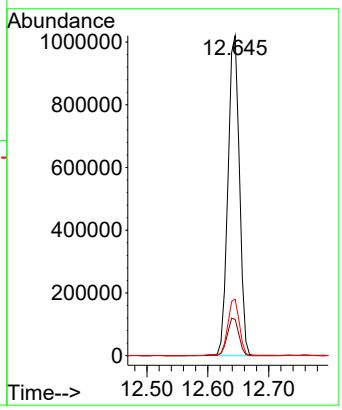




#75
Fluoranthene
Concen: 50.534 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:202 Resp: 133693

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	32.4
203	17.7	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
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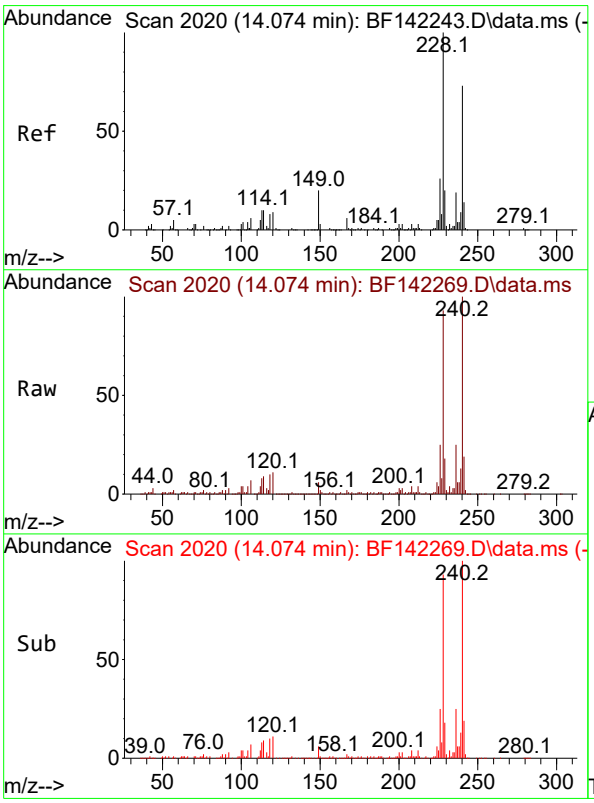
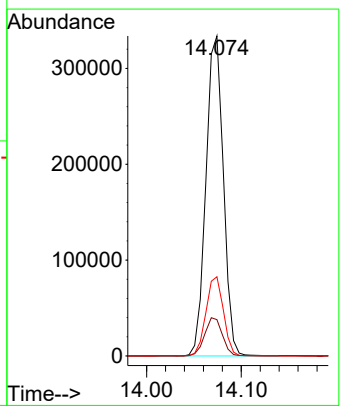
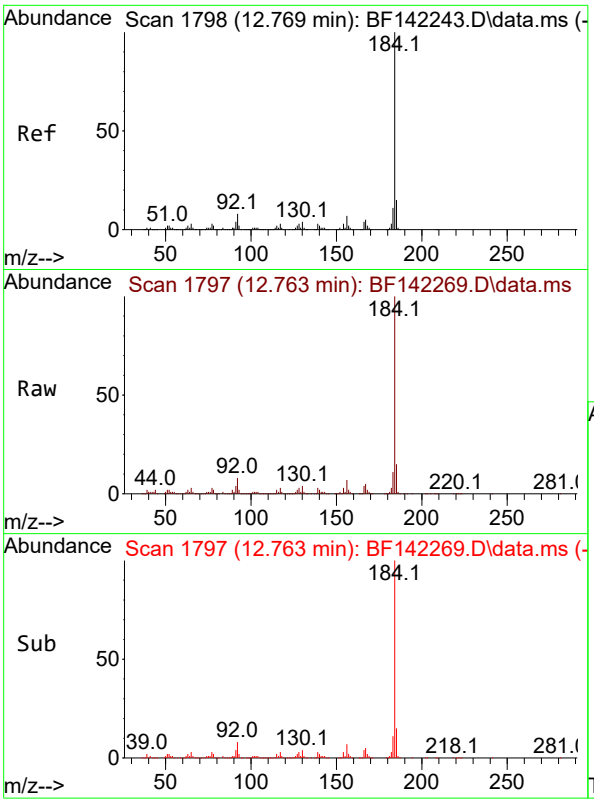


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:240 Resp: 427878

Ion	Ratio	Lower	Upper
240	100		
120	11.4	10.1	15.1
236	24.8	20.5	30.7

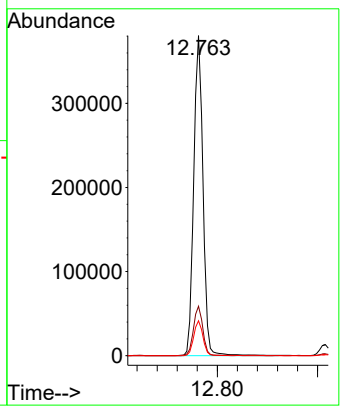




#77
Benzidine
Concen: 26.736 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:184 Resp: 48609

Ion	Ratio	Lower	Upper
184	100		
185	15.5	11.8	17.6
183	10.9	8.9	13.3



Instrument :
BNA_F
ClientSampleId :
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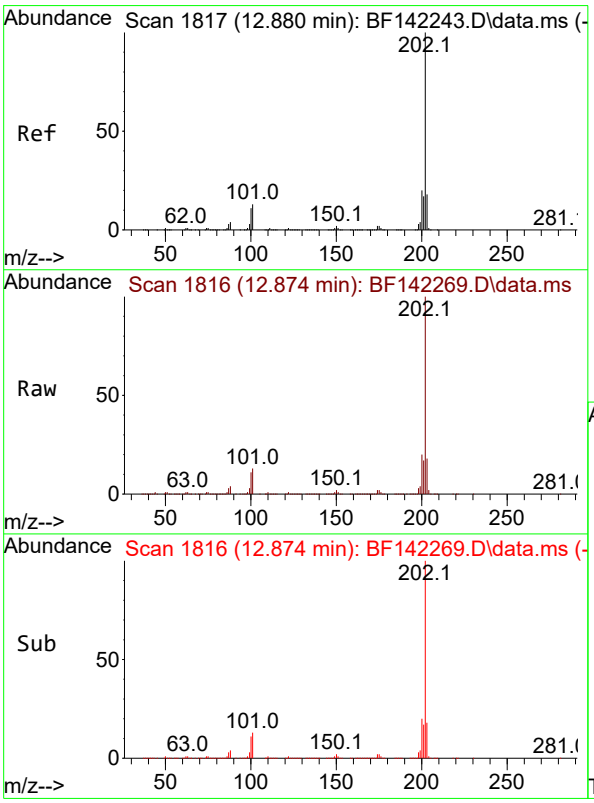
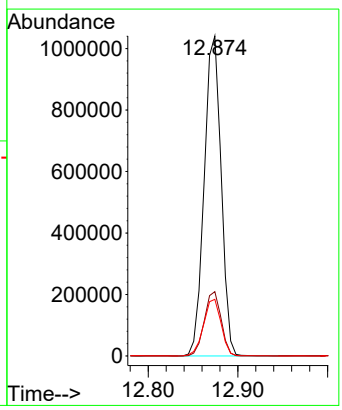
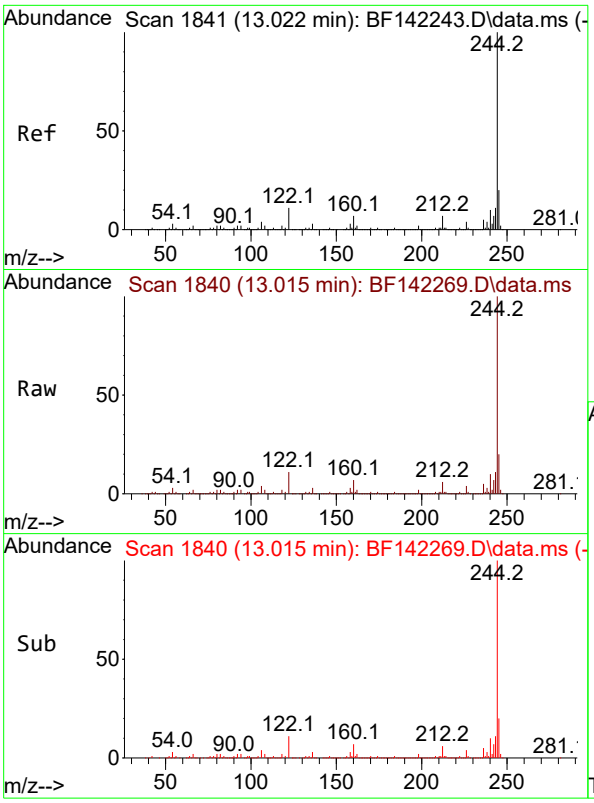


#78
Pyrene
Concen: 34.539 ng
RT: 12.874 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:202 Resp: 1363266

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.1	24.1
203	17.7	14.1	21.1

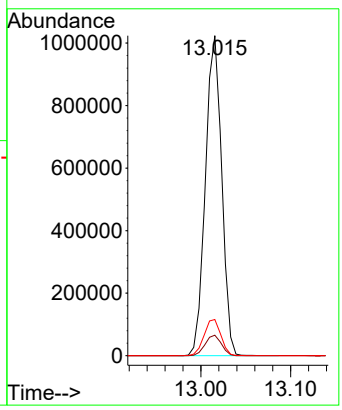




#79
Terphenyl-d14
Concen: 43.862 ng
RT: 13.015 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:244 Resp: 129040

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.3	7.9
122	11.3	9.1	13.7



Instrument :
BNA_F
ClientSampleId :
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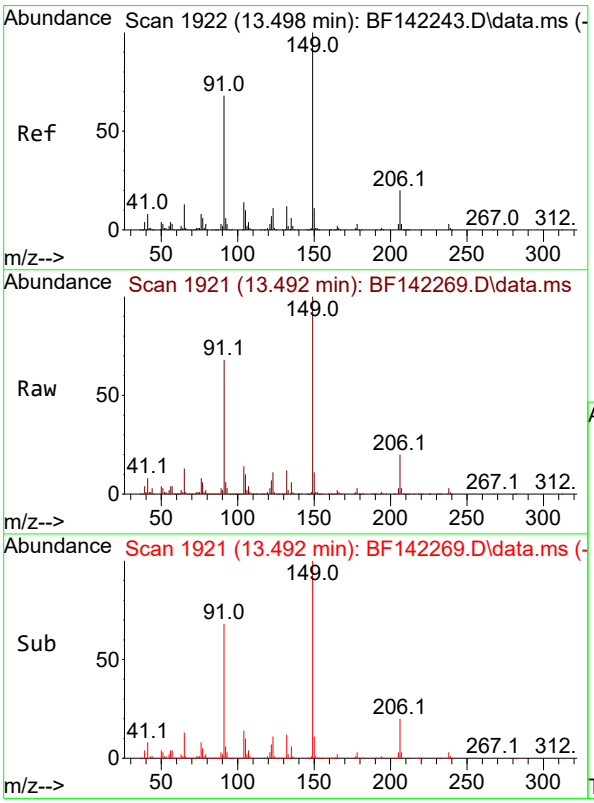
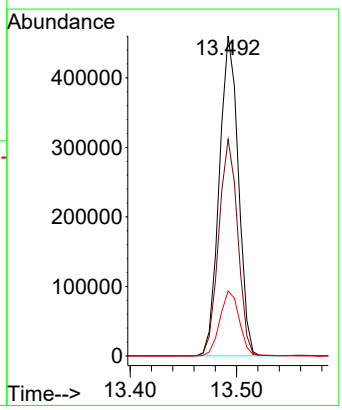
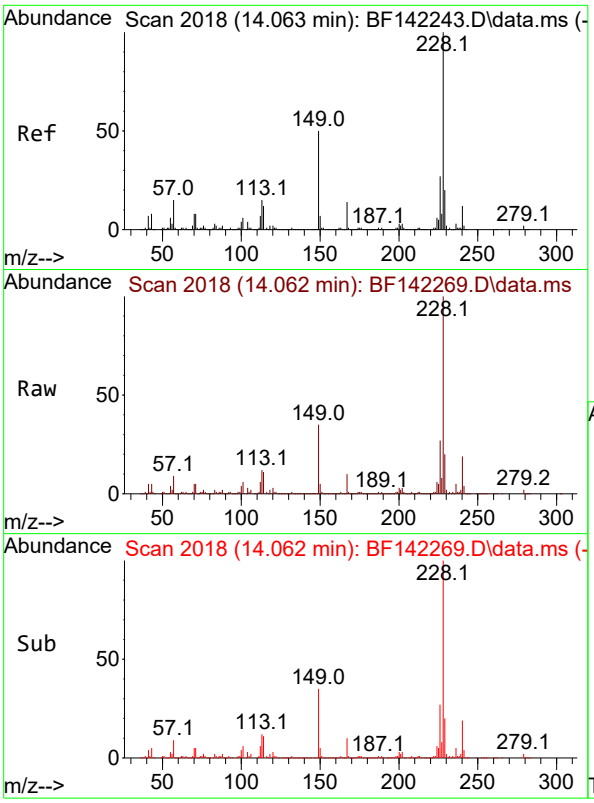


#80
Butylbenzylphthalate
Concen: 52.545 ng
RT: 13.492 min Scan# 1921
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:149 Resp: 571179

Ion	Ratio	Lower	Upper
149	100		
91	67.7	54.4	81.6
206	20.3	15.9	23.9

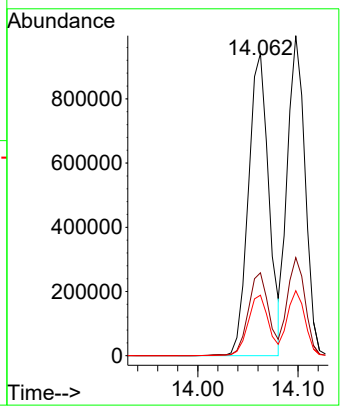




#81
Benzo(a)anthracene
Concen: 46.539 ng
RT: 14.062 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:228 Resp: 133680

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.9	32.9
229	20.0	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
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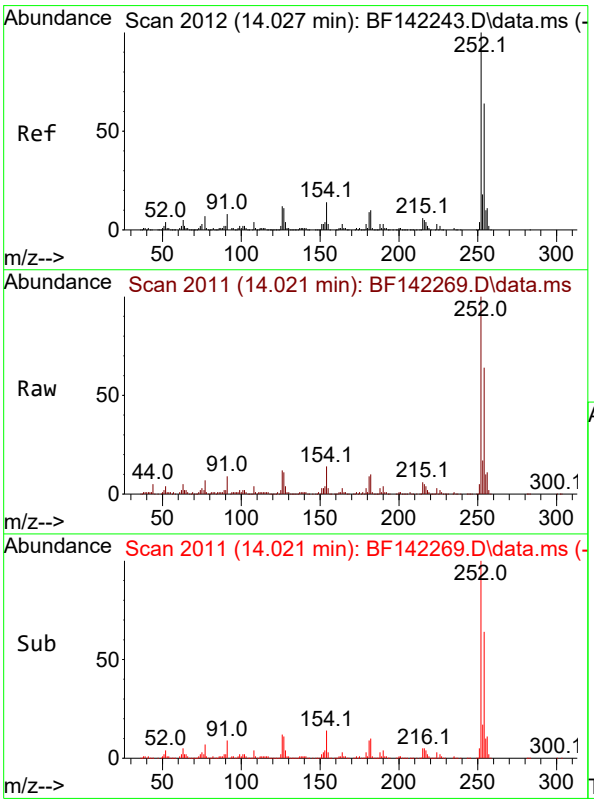
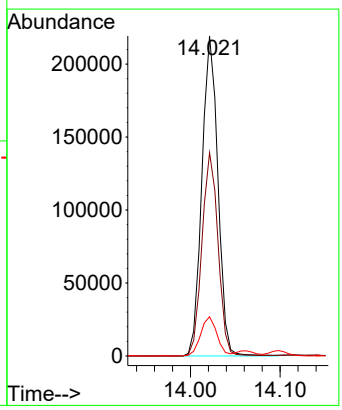
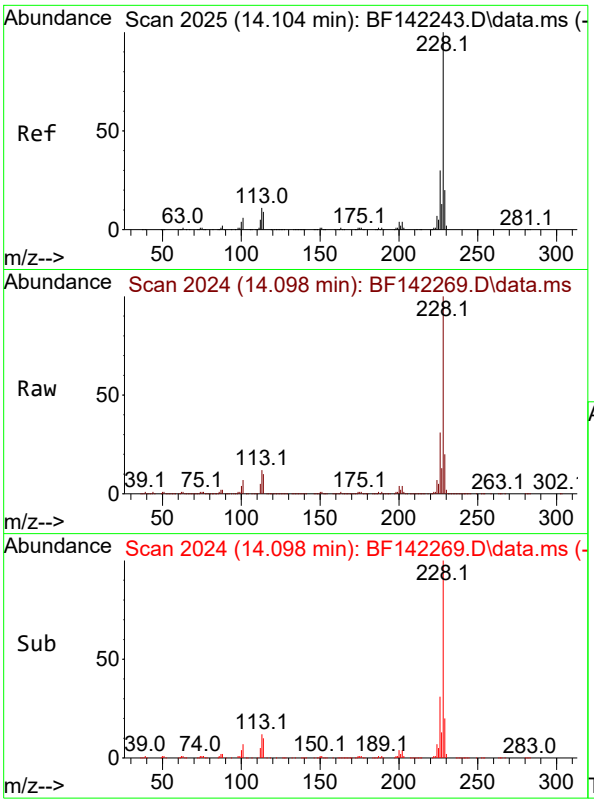


#82
3,3'-Dichlorobenzidine
Concen: 32.235 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:252 Resp: 271966

Ion	Ratio	Lower	Upper
252	100		
254	63.6	51.0	76.6
126	12.2	9.4	14.2

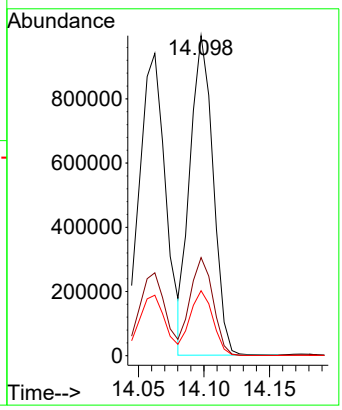




#83
Chrysene
Concen: 46.660 ng
RT: 14.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:228 Resp: 121999

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.0	36.0
229	20.3	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

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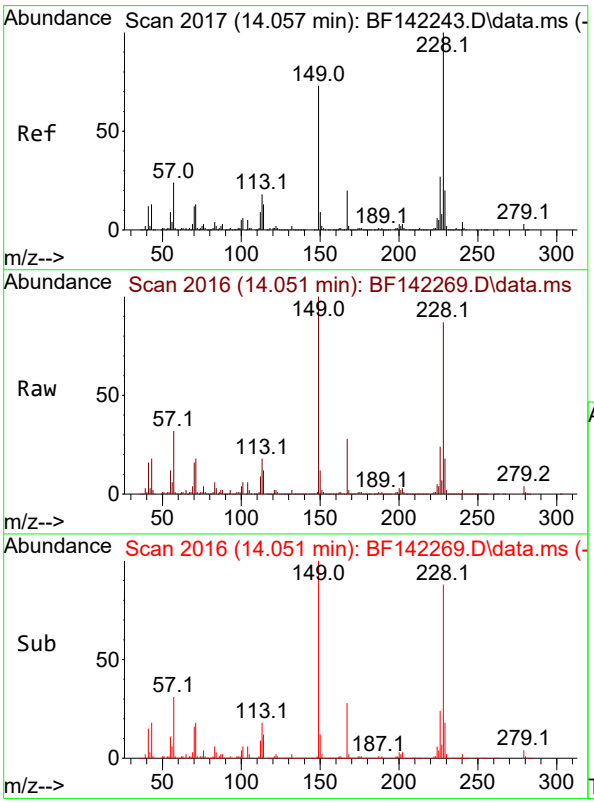
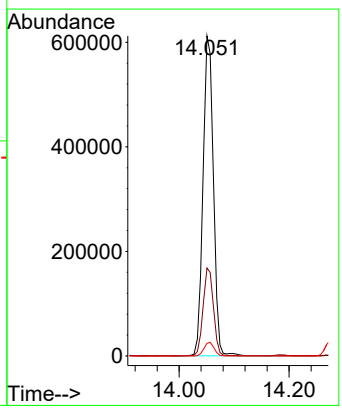
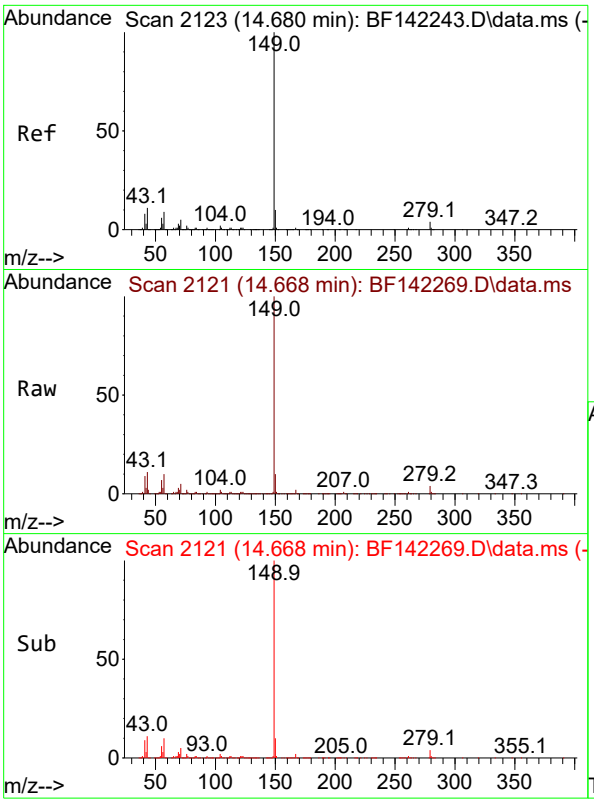


#84
Bis(2-ethylhexyl)phthalate
Concen: 53.190 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:149 Resp: 801117

Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.7	32.5
279	4.0	3.0	4.4

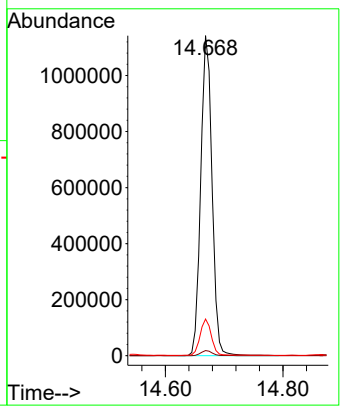




#85
Di-n-octyl phthalate
Concen: 54.420 ng
RT: 14.668 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:149 Resp: 151665

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.1	1.7
43	11.4	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
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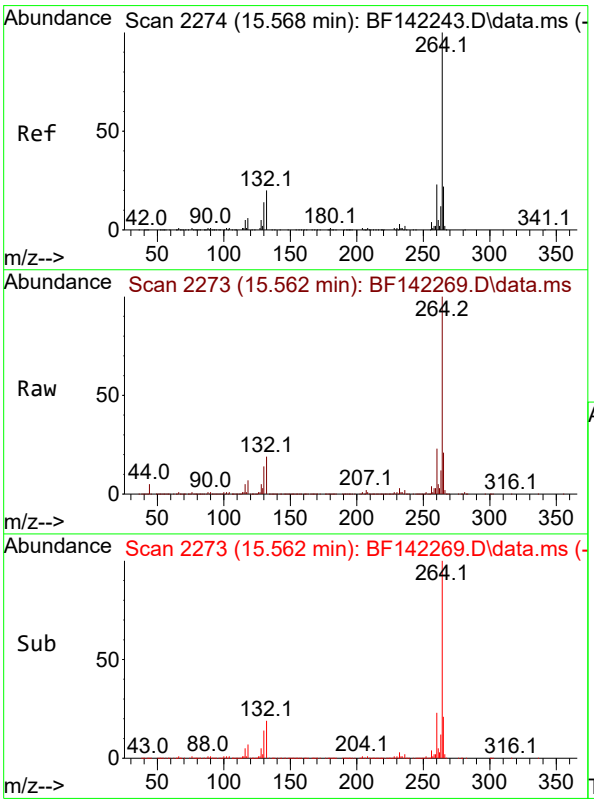
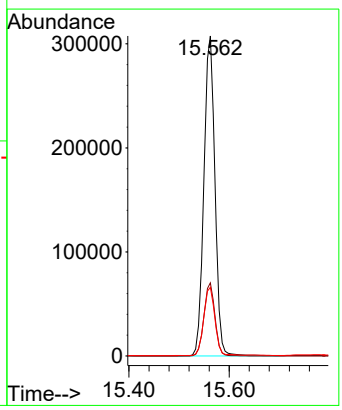
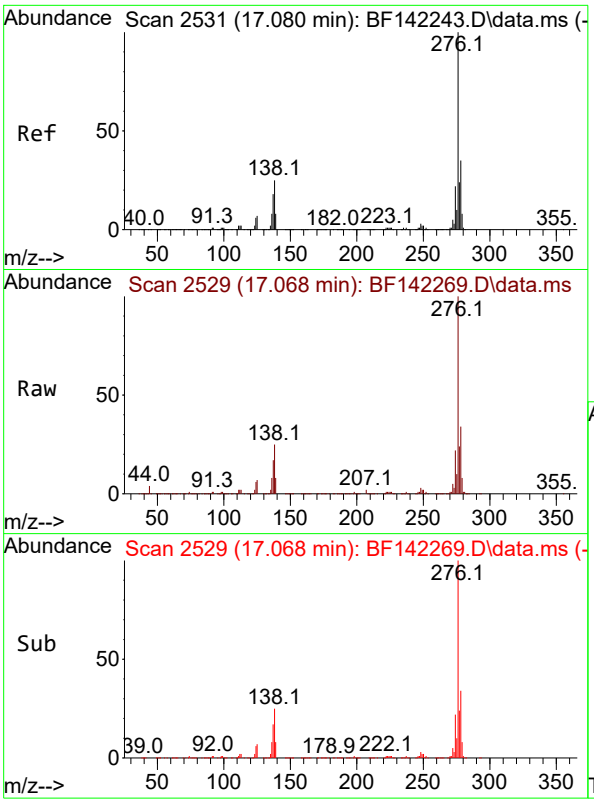


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:264 Resp: 472653

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.4	27.6
265	21.5	17.3	25.9

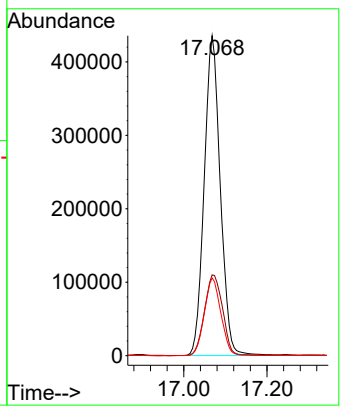




#87
Indeno(1,2,3-cd)pyrene
Concen: 33.838 ng
RT: 17.068 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:276 Resp: 117148

Ion	Ratio	Lower	Upper
276	100		
138	28.5	22.6	33.8
277	25.1	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
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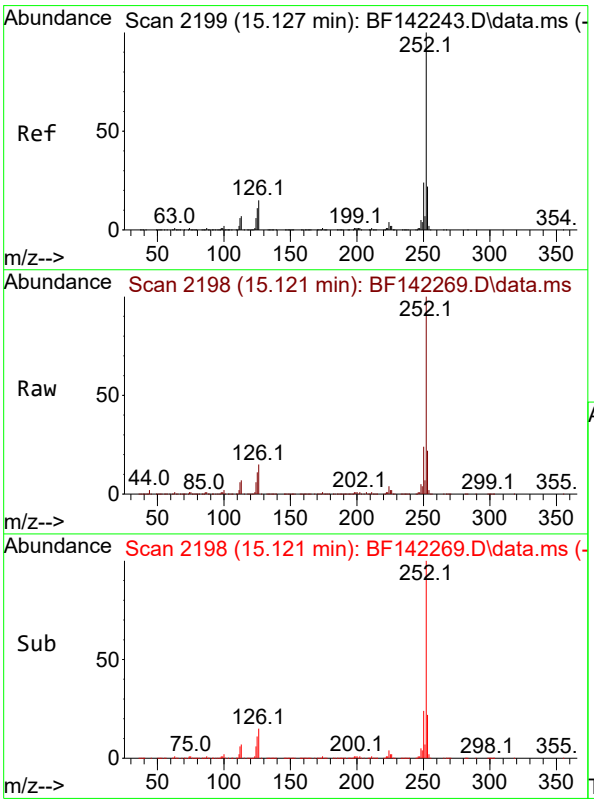
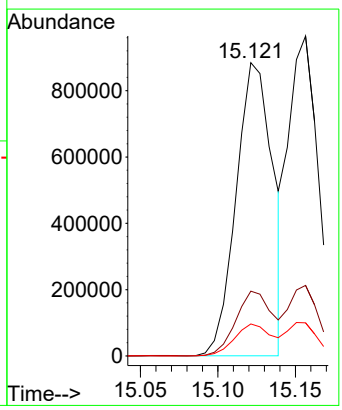
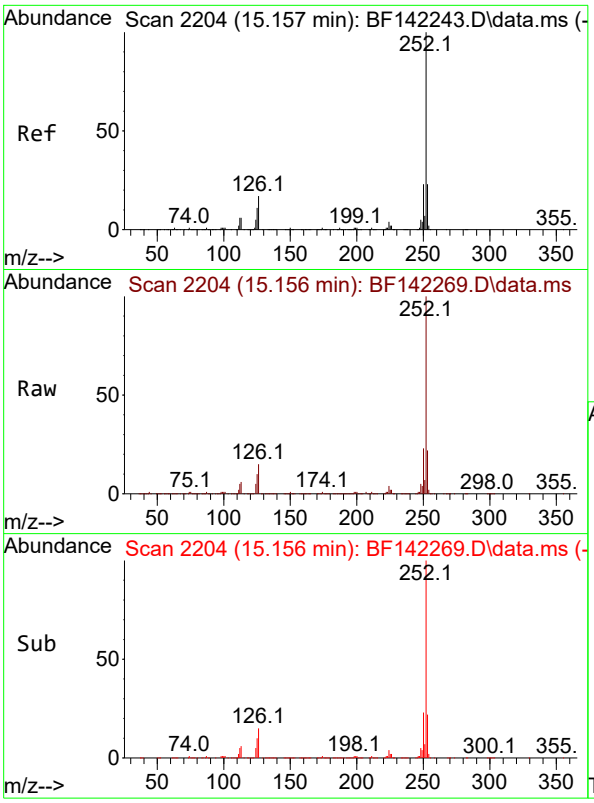


#88
Benzo(b)fluoranthene
Concen: 49.565 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:252 Resp: 1455180

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.9	9.0	13.4

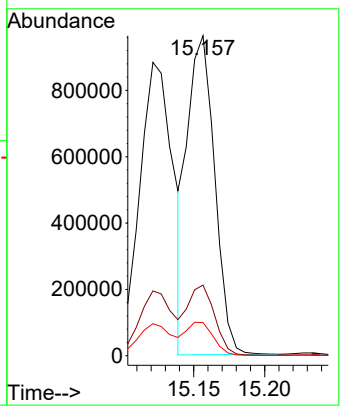




#89
Benzo(k)fluoranthene
Concen: 47.906 ng
RT: 15.156 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:252 Resp: 128649

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	10.4	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
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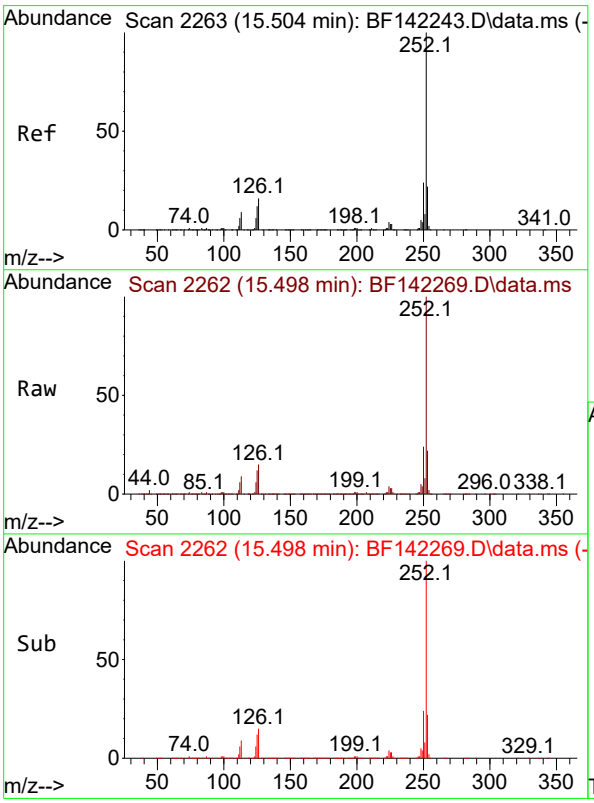
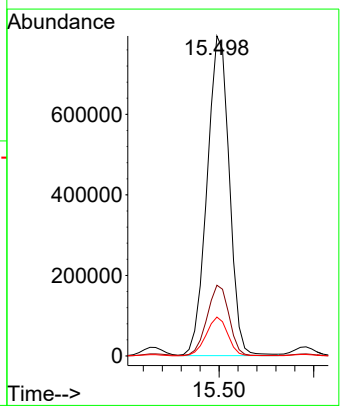
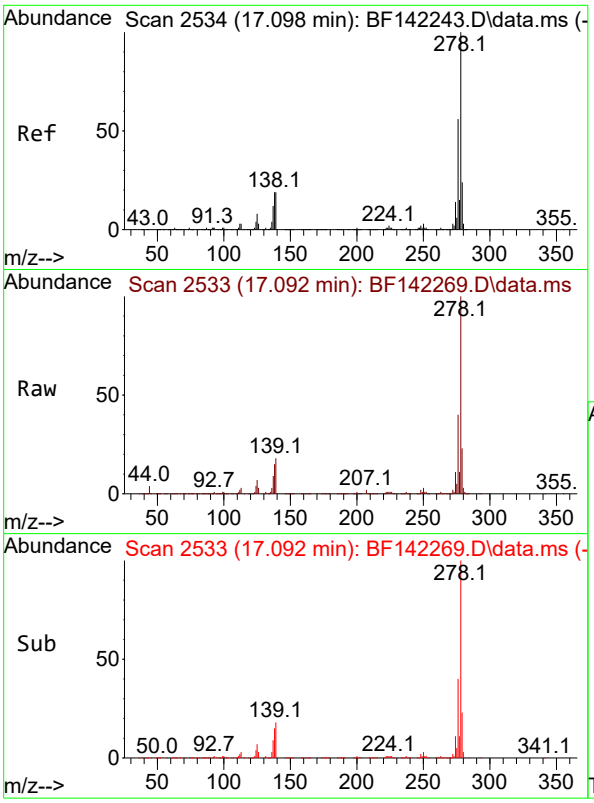


#90
Benzo(a)pyrene
Concen: 48.165 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:252 Resp: 1294646

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	12.2	9.5	14.3





#91
Dibenzo(a,h)anthracene
Concen: 34.415 ng
RT: 17.092 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

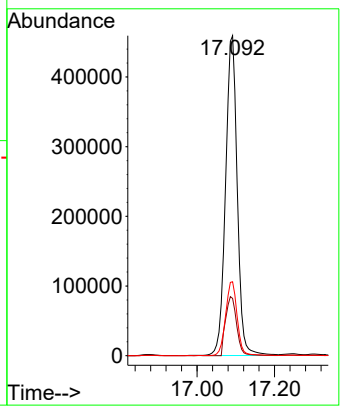
Tgt Ion:278 Resp: 96700

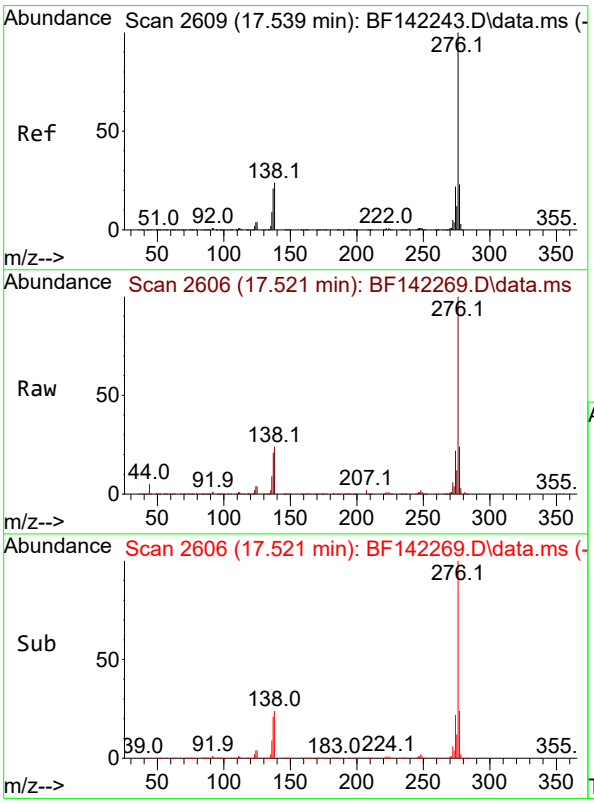
Ion	Ratio	Lower	Upper
278	100		
139	17.9	15.2	22.8
279	23.1	19.0	28.6

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

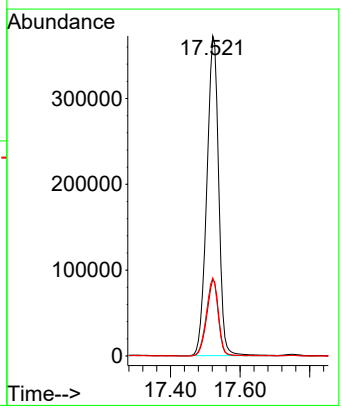




#92
Benzo(g,h,i)perylene
Concen: 31.198 ng
RT: 17.521 min Scan# 2606
Delta R.T. -0.018 min
Lab File: BF142269.D
Acq: 01 May 2025 19:24

Tgt Ion:276 Resp: 881265

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.7	28.1
138	24.4	19.4	29.0



Raw Data: **BF142270.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:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB01MSD	SDG No.:	Q1901
Lab Sample ID:	Q1901-02MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	82.6
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
BF142270.D	1	04/29/25 09:30	05/01/25 19:52	PB167779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1100		190	400	ug/Kg
108-95-2	Phenol	1700		26.7	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		29.4	210	ug/Kg
95-57-8	2-Chlorophenol	1800		29.5	210	ug/Kg
95-48-7	2-Methylphenol	1700		36.1	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1800		45.3	210	ug/Kg
98-86-2	Acetophenone	1700		35.6	210	ug/Kg
65794-96-9	3+4-Methylphenols	1700		49.7	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		57.3	96.7	ug/Kg
67-72-1	Hexachloroethane	1800		21.3	210	ug/Kg
98-95-3	Nitrobenzene	2000		22.1	210	ug/Kg
78-59-1	Isophorone	1700		39.6	210	ug/Kg
88-75-5	2-Nitrophenol	2200		70.3	210	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		78.3	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		37.2	210	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		34.2	210	ug/Kg
91-20-3	Naphthalene	1700		27.4	210	ug/Kg
106-47-8	4-Chloroaniline	480		42.8	210	ug/Kg
87-68-3	Hexachlorobutadiene	1900		30.6	210	ug/Kg
105-60-2	Caprolactam	1600		62.9	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		34.7	210	ug/Kg
91-57-6	2-Methylnaphthalene	1700		30.9	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4000	E	140	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2000		23.9	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1900		35.2	210	ug/Kg
92-52-4	1,1-Biphenyl	1900		26.3	210	ug/Kg
91-58-7	2-Chloronaphthalene	1800		27.2	210	ug/Kg
88-74-4	2-Nitroaniline	1900		58.1	210	ug/Kg
131-11-3	Dimethylphthalate	1800		32.7	210	ug/Kg

Raw Data: **BF142270.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:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB01MSD	SDG No.:	Q1901
Lab Sample ID:	Q1901-02MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	82.6
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
BF142270.D	1	04/29/25 09:30	05/01/25 19:52	PB167779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1800		34.9	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	1900		40.6	210	ug/Kg
99-09-2	3-Nitroaniline	1000		55.6	210	ug/Kg
83-32-9	Acenaphthene	1900		25.7	210	ug/Kg
51-28-5	2,4-Dinitrophenol	3400	E	280	400	ug/Kg
100-02-7	4-Nitrophenol	3600	E	130	400	ug/Kg
132-64-9	Dibenzofuran	1700		27.4	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		60.5	210	ug/Kg
84-66-2	Diethylphthalate	1800		34.2	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		32.3	210	ug/Kg
86-73-7	Fluorene	1700		30.6	210	ug/Kg
100-01-6	4-Nitroaniline	1600		77.6	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2100		120	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1900		39.8	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2000		33.6	210	ug/Kg
118-74-1	Hexachlorobenzene	1900		30.6	210	ug/Kg
1912-24-9	Atrazine	2100		41.1	210	ug/Kg
87-86-5	Pentachlorophenol	3900	E	62.0	400	ug/Kg
85-01-8	Phenanthrene	1900		25.3	210	ug/Kg
120-12-7	Anthracene	1800		40.2	210	ug/Kg
86-74-8	Carbazole	1700		37.7	210	ug/Kg
84-74-2	Di-n-butylphthalate	2200		57.9	210	ug/Kg
206-44-0	Fluoranthene	1900		36.2	210	ug/Kg
129-00-0	Pyrene	1400		43.5	210	ug/Kg
85-68-7	Butylbenzylphthalate	2000		86.3	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		44.3	400	ug/Kg
56-55-3	Benzo(a)anthracene	1800		27.8	210	ug/Kg
218-01-9	Chrysene	1800		24.0	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2100		71.5	210	ug/Kg
117-84-0	Di-n-octyl phthalate	2100		100	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000		23.0	210	ug/Kg

Raw Data: **BF142270.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:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB01MSD	SDG No.:	Q1901
Lab Sample ID:	Q1901-02MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	82.6
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
BF142270.D	1	04/29/25 09:30	05/01/25 19:52	PB167779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1800		27.1	210	ug/Kg
50-32-8	Benzo(a)pyrene	1900		35.6	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1300		35.2	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1300		33.1	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		31.1	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		30.9	210	ug/Kg
123-91-1	1,4-Dioxane	1500		54.6	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		33.1	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	85.7		30 (18) - 130 (112)	57%	SPK: 150
13127-88-3	Phenol-d6	87.2		30 (15) - 130 (107)	58%	SPK: 150
4165-60-0	Nitrobenzene-d5	66.9		30 (18) - 130 (107)	67%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.8		30 (20) - 130 (109)	62%	SPK: 100
118-79-6	2,4,6-Tribromophenol	89.2		30 (10) - 130 (116)	59%	SPK: 150
1718-51-0	Terphenyl-d14	42.1		30 (10) - 130 (105)	42%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	205000	6.91			
1146-65-2	Naphthalene-d8	762000	8.187			
15067-26-2	Acenaphthene-d10	352000	9.945			
1517-22-2	Phenanthrene-d10	496000	11.428			
1719-03-5	Chrysene-d12	430000	14.069			
1520-96-3	Perylene-d12	473000	15.557			

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: **BF142270.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142270.D
Acq On : 01 May 2025 19:52
Operator : RC/JU
Sample : Q1901-02MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 02 01:08:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
05/02/2025
Supervised By :Jagrut Upadhyay
05/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.910	152	204570	20.000	ng		0.00
21) Naphthalene-d8	8.187	136	762454	20.000	ng		0.00
39) Acenaphthene-d10	9.945	164	351872	20.000	ng		0.00
64) Phenanthrene-d10	11.428	188	496148	20.000	ng		0.00
76) Chrysene-d12	14.069	240	429879	20.000	ng		0.00
86) Perylene-d12	15.557	264	473333	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.522	112	1098118	85.729	ng		0.00
7) Phenol-d6	6.528	99	1349184	87.225	ng		0.00
23) Nitrobenzene-d5	7.469	82	776525	66.910	ng		0.00
42) 2,4,6-Tribromophenol	10.733	330	286287	89.247	ng		0.00
45) 2-Fluorobiphenyl	9.263	172	1541618	61.773	ng		0.00
79) Terphenyl-d14	13.016	244	1244500	42.105	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.758	88	213600	37.338	ng		98
3) Pyridine	3.516	79	586468	39.445	ng		99
4) n-Nitrosodimethylamine	3.463	42	336346	43.715	ng		99
6) Aniline	6.569	93	640860	29.271	ng		99
8) 2-Chlorophenol	6.687	128	576726	43.572	ng		98
9) Benzaldehyde	6.457	77	286273	26.480	ng		99
10) Phenol	6.540	94	699472m	42.004	ng		
11) bis(2-Chloroethyl)ether	6.640	93	555314	43.034	ng		99
12) 1,3-Dichlorobenzene	6.851	146	628881	41.999	ng		99
13) 1,4-Dichlorobenzene	6.928	146	637600	42.264	ng		99
14) 1,2-Dichlorobenzene	7.075	146	614756	42.685	ng		99
15) Benzyl Alcohol	7.045	79	471490	42.978	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.181	45	1026846	44.067	ng		99
17) 2-Methylphenol	7.151	107	446076	41.139	ng		99
18) Hexachloroethane	7.422	117	224222	45.411	ng		99
19) n-Nitroso-di-n-propyla...	7.316	70	396481	41.480	ng		98
20) 3+4-Methylphenols	7.304	107	559745	41.280	ng	#	90
22) Acetophenone	7.316	105	751886	42.626	ng	#	97
24) Nitrobenzene	7.487	77	567935	49.874	ng		100
25) Isophorone	7.728	82	1049987	43.109	ng		99
26) 2-Nitrophenol	7.804	139	270273	54.552	ng		98
27) 2,4-Dimethylphenol	7.834	122	530664	43.212	ng		99
28) bis(2-Chloroethoxy)met...	7.934	93	677074	44.077	ng		99
29) 2,4-Dichlorophenol	8.040	162	450996	43.927	ng		99
30) 1,2,4-Trichlorobenzene	8.128	180	505370	44.110	ng		100
31) Naphthalene	8.210	128	1631154	42.898	ng		100
32) Benzoic acid	7.934	122	285536	48.669	ng		99
33) 4-Chloroaniline	8.251	127	188949	11.933	ng		99
34) Hexachlorobutadiene	8.328	225	308153	46.100	ng		99
35) Caprolactam	8.616	113	124087m	40.210	ng		
36) 4-Chloro-3-methylphenol	8.728	107	428130	40.609	ng		98
37) 2-Methylnaphthalene	8.898	142	977255	41.802	ng		99
38) 1-Methylnaphthalene	8.998	142	999740	41.279	ng		100
40) 1,2,4,5-Tetrachloroben...	9.069	216	471907	47.654	ng		99
41) Hexachlorocyclopentadiene	9.057	237	554087	98.586	ng		100
43) 2,4,6-Trichlorophenol	9.175	196	305921	49.853	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142270.D
Acq On : 01 May 2025 19:52
Operator : RC/JU
Sample : Q1901-02MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 02 01:08:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
05/02/2025
Supervised By :Jagrut Upadhyay
05/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	297440	46.102	ng		99
46) 1,1'-Biphenyl	9.363	154	1272788	46.529	ng		99
47) 2-Chloronaphthalene	9.392	162	925740	45.486	ng		99
48) 2-Nitroaniline	9.481	65	252309	47.110	ng		98
49) Acenaphthylene	9.804	152	1503902	43.790	ng		100
50) Dimethylphthalate	9.663	163	1015217	45.099	ng		100
51) 2,6-Dinitrotoluene	9.722	165	204319	47.378	ng		98
52) Acenaphthene	9.981	154	931022	46.429	ng		98
53) 3-Nitroaniline	9.886	138	121932	24.861	ng	#	96
54) 2,4-Dinitrophenol	9.992	184	131189	84.371	ng	#	41
55) Dibenzofuran	10.151	168	1290218	42.922	ng		99
56) 4-Nitrophenol	10.039	139	316946	89.575	ng		99
57) 2,4-Dinitrotoluene	10.122	165	249724	47.801	ng		99
58) Fluorene	10.492	166	945333	41.360	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	232642	43.531	ng		99
60) Diethylphthalate	10.363	149	980867	44.125	ng		100
61) 4-Chlorophenyl-phenyle...	10.486	204	467320	43.054	ng		97
62) 4-Nitroaniline	10.504	138	182663	38.819	ng		95
63) Azobenzene	10.645	77	1027831	46.824	ng		96
65) 4,6-Dinitro-2-methylph...	10.528	198	85960	51.580	ng		96
66) n-Nitrosodiphenylamine	10.604	169	816949	48.191	ng		99
67) 4-Bromophenyl-phenylether	10.975	248	278827	50.462	ng		99
68) Hexachlorobenzene	11.039	284	292279	47.230	ng		99
69) Atrazine	11.128	200	232637	52.062	ng		99
70) Pentachlorophenol	11.228	266	317591	97.144	ng		98
71) Phenanthrene	11.457	178	1239899	46.265	ng		100
72) Anthracene	11.504	178	1211937	44.230	ng		99
73) Carbazole	11.657	167	1076493	43.067	ng		99
74) Di-n-butylphthalate	11.992	149	1373313	54.629	ng		100
75) Fluoranthene	12.645	202	1282408	48.407	ng		99
77) Benzidine	12.763	184	472493	25.867	ng		99
78) Pyrene	12.869	202	1332351	33.599	ng		99
80) Butylbenzylphthalate	13.492	149	544307	50.031	ng		99
81) Benzo(a)anthracene	14.063	228	1310994	45.428	ng		99
82) 3,3'-Dichlorobenzidine	14.022	252	285891	33.727	ng		99
83) Chrysene	14.098	228	1182323	45.008	ng		99
84) Bis(2-ethylhexyl)phtha...	14.051	149	774590	51.320	ng		100
85) Di-n-octyl phthalate	14.669	149	1467740	52.643	ng	#	99
87) Indeno(1,2,3-cd)pyrene	17.068	276	1135807	32.760	ng		99
88) Benzo(b)fluoranthene	15.121	252	1429910	48.634	ng		100
89) Benzo(k)fluoranthene	15.157	252	1218152	45.297	ng		99
90) Benzo(a)pyrene	15.498	252	1262185	46.890	ng		100
91) Dibenzo(a,h)anthracene	17.086	278	932712	33.147	ng		99
92) Benzo(g,h,i)perylene	17.521	276	856464	30.277	ng		100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142270.D
Acq On : 01 May 2025 19:52
Operator : RC/JU
Sample : Q1901-02MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 02 01:08:53 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MSD

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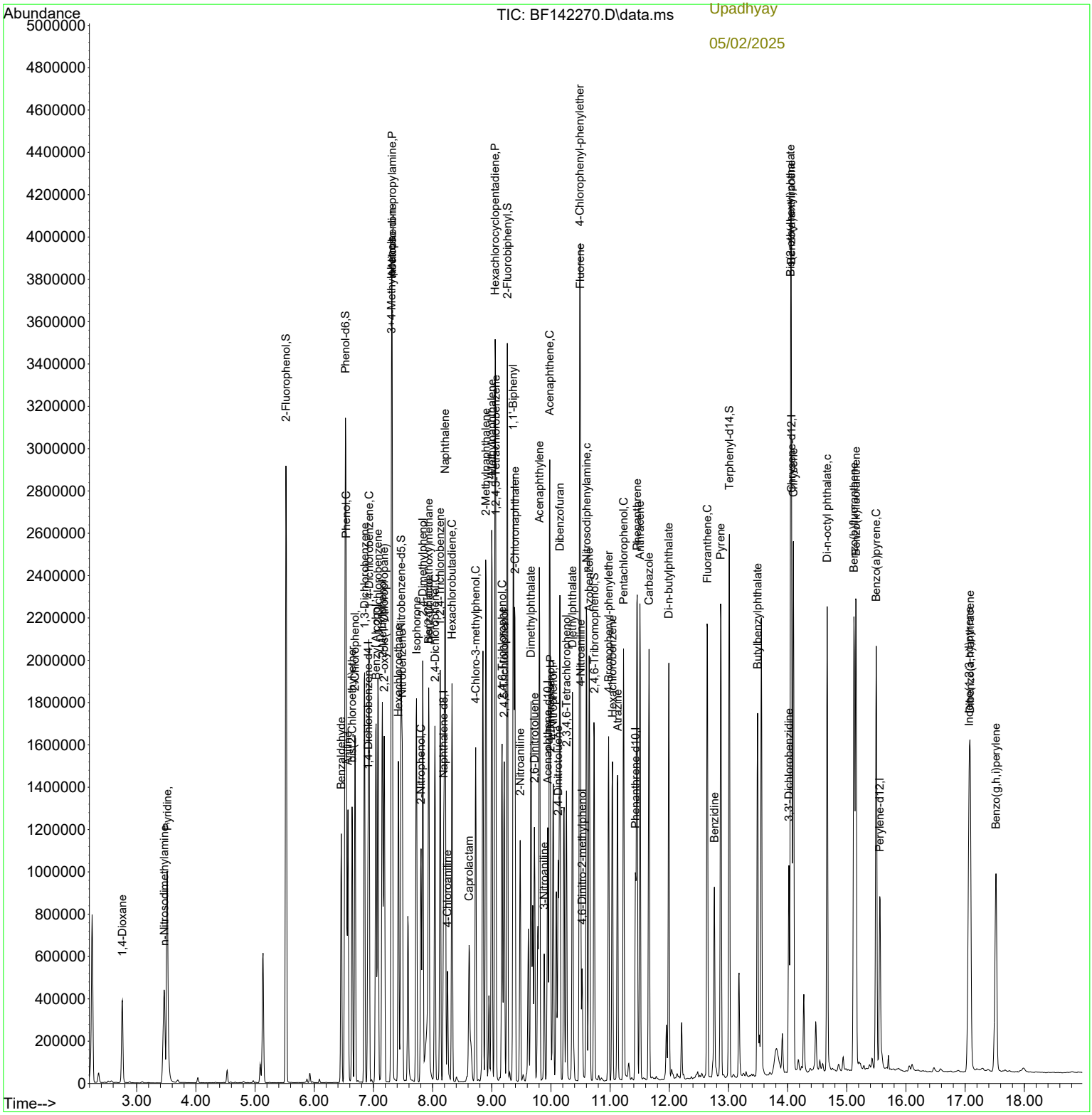
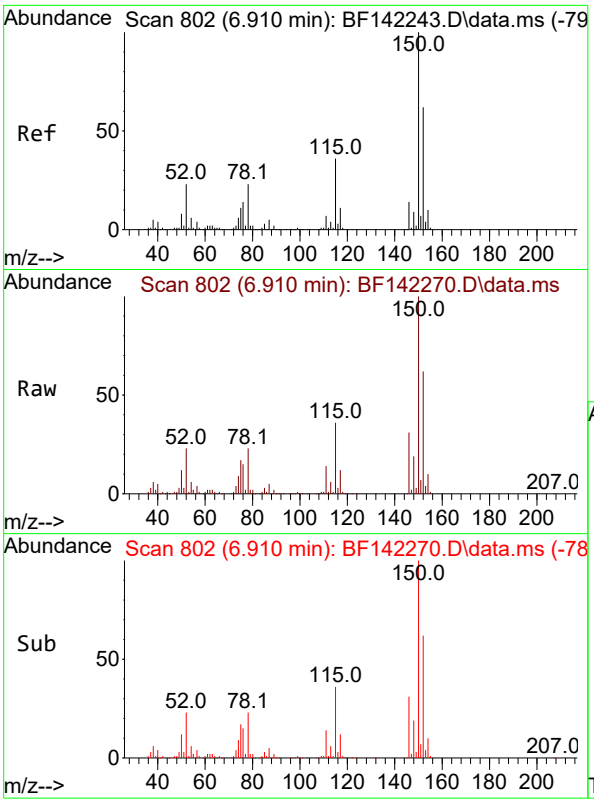
Reviewed By :Rahul Chavli

05/02/2025

Supervised By :Jagrut Upadhyay

05/02/2025

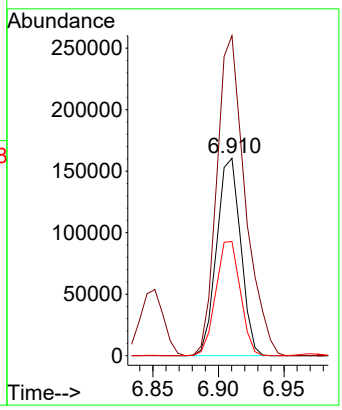




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:152 Resp: 20457

Ion	Ratio	Lower	Upper
152	100		
150	162.1	130.2	195.2
115	57.9	47.0	70.4



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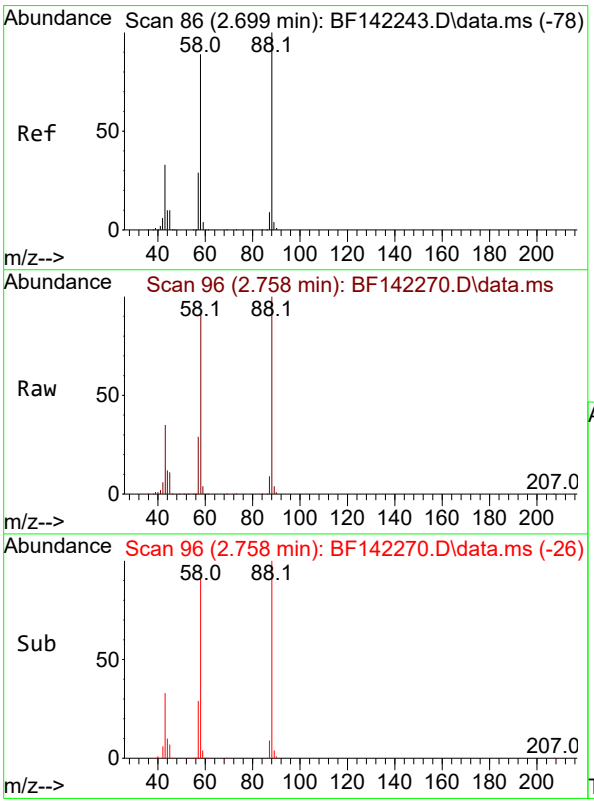
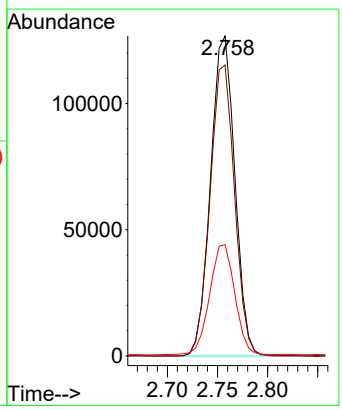
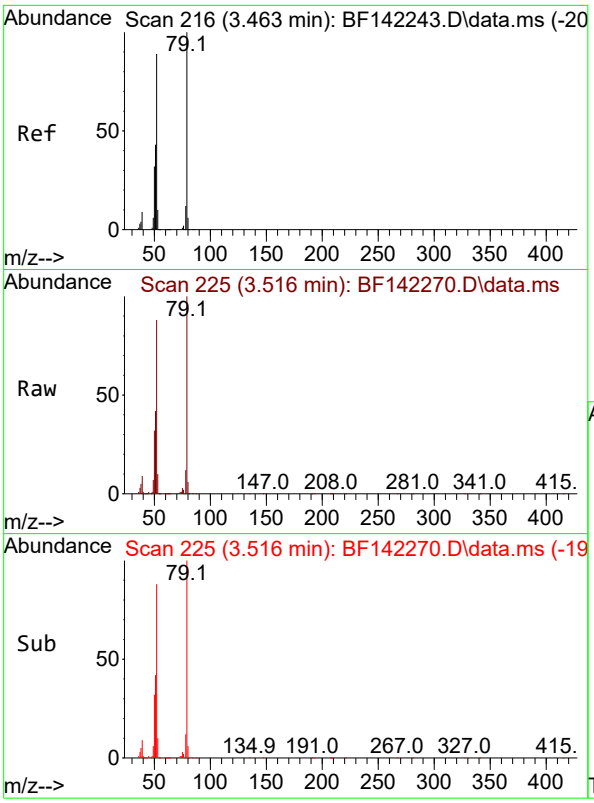


#2
1,4-Dioxane
Concen: 37.338 ng
RT: 2.758 min Scan# 96
Delta R.T. 0.059 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion: 88 Resp: 213600

Ion	Ratio	Lower	Upper
88	100		
58	92.2	72.2	108.2
43	35.6	27.0	40.6

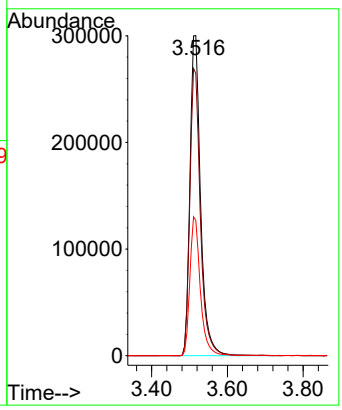




#3
Pyridine
Concen: 39.445 ng
RT: 3.516 min Scan# 2
Delta R.T. 0.053 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion: 79 Resp: 58646

Ion	Ratio	Lower	Upper
79	100		
52	88.2	71.5	107.3
51	42.3	34.5	51.7



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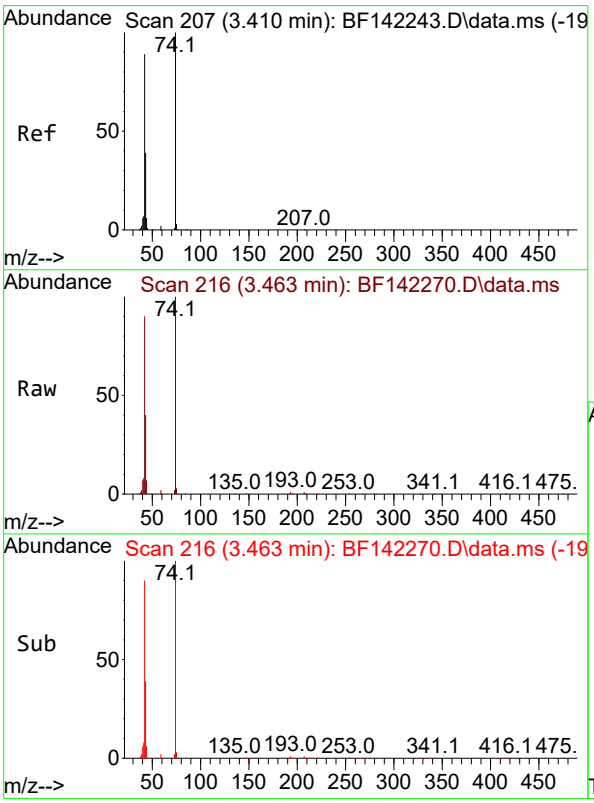
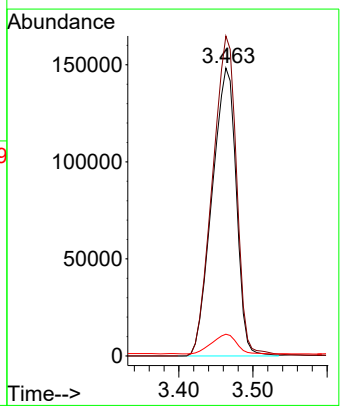
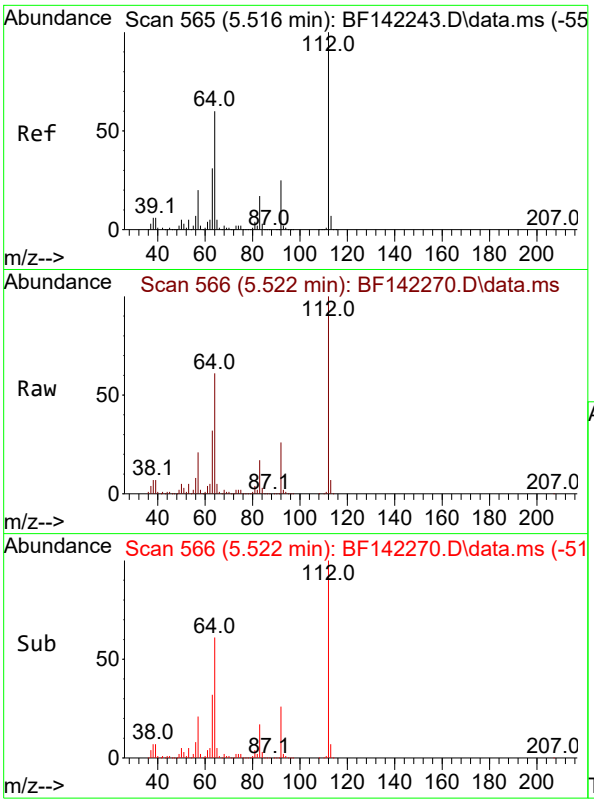


#4
n-Nitrosodimethylamine
Concen: 43.715 ng
RT: 3.463 min Scan# 216
Delta R.T. 0.053 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion: 42 Resp: 336346

Ion	Ratio	Lower	Upper
42	100		
74	111.1	89.5	134.3
44	7.6	6.6	9.8

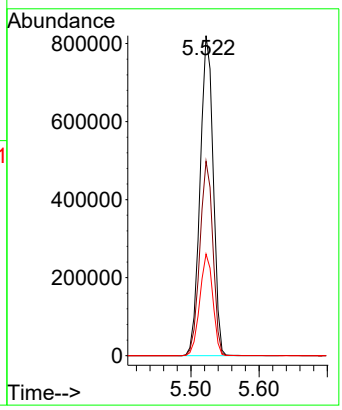




#5
2-Fluorophenol
Concen: 85.729 ng
RT: 5.522 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:112 Resp: 109811

Ion	Ratio	Lower	Upper
112	100		
64	60.8	48.4	72.6
63	31.7	24.8	37.2



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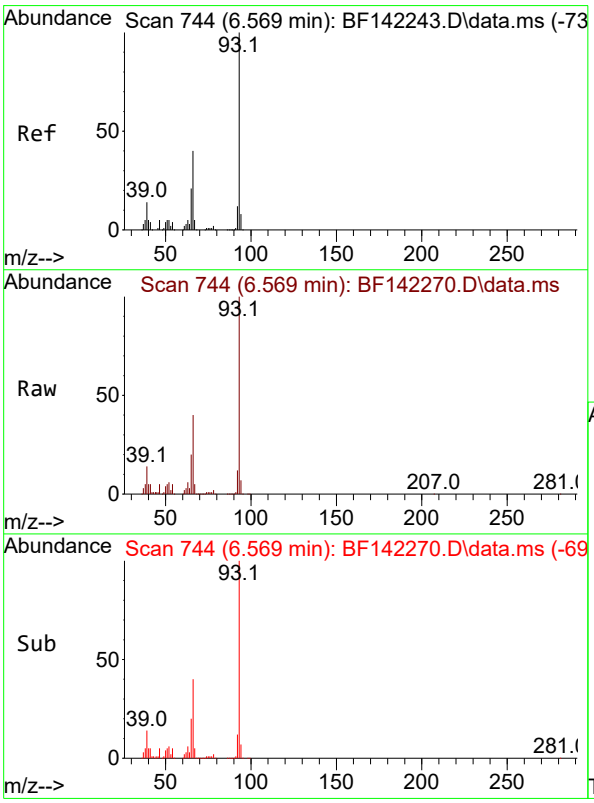
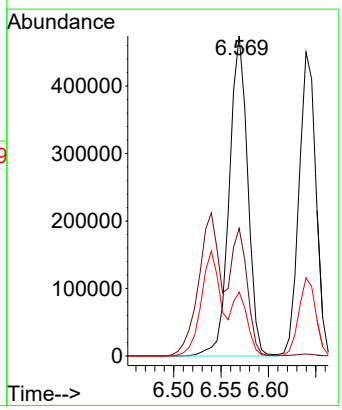
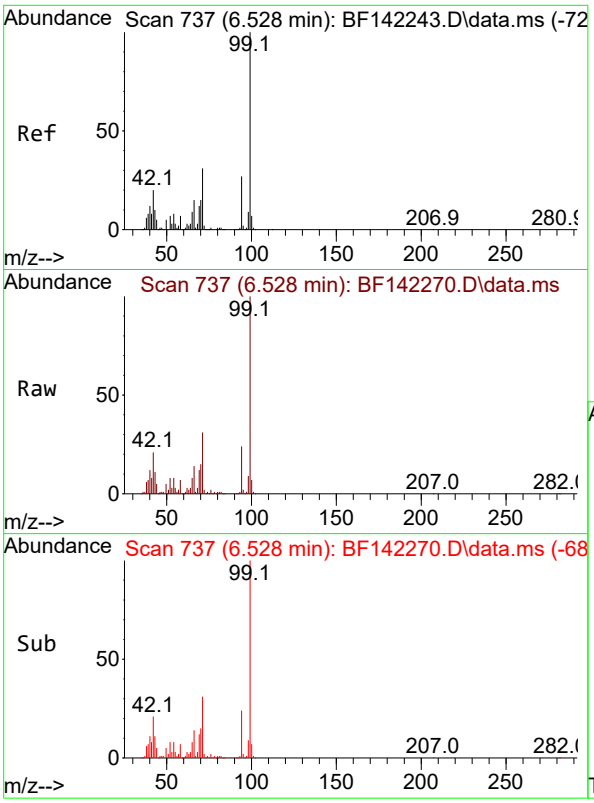


#6
Aniline
Concen: 29.271 ng
RT: 6.569 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion: 93 Resp: 640860

Ion	Ratio	Lower	Upper
93	100		
66	39.9	32.1	48.1
65	20.0	16.6	24.8

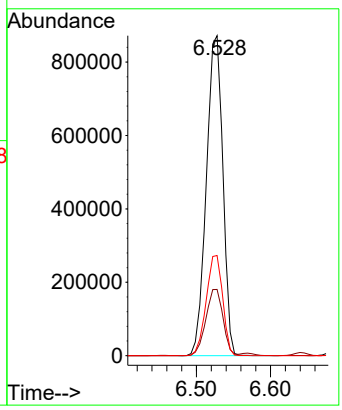




#7
Phenol-d6
Concen: 87.225 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion: 99 Resp: 134918

Ion	Ratio	Lower	Upper
99	100		
42	20.7	16.3	24.5
71	31.3	25.0	37.4



Instrument :
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ClientSampleId :
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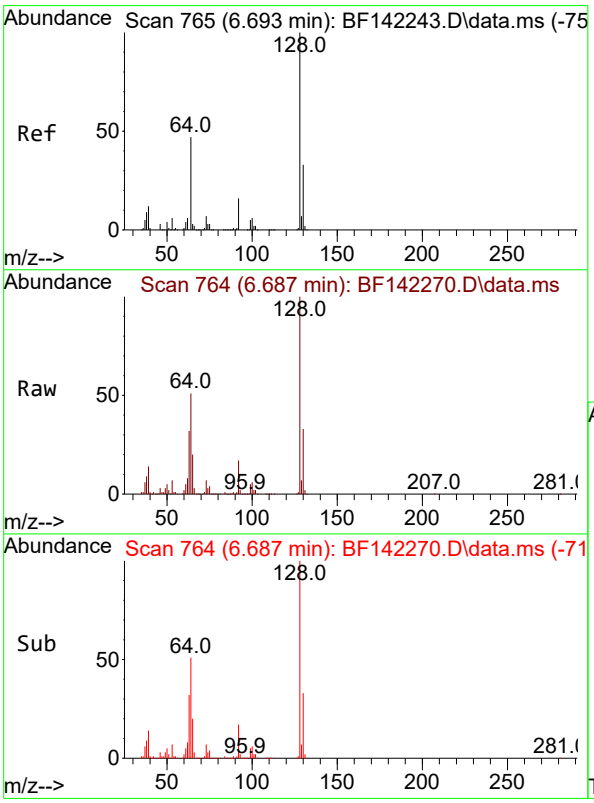
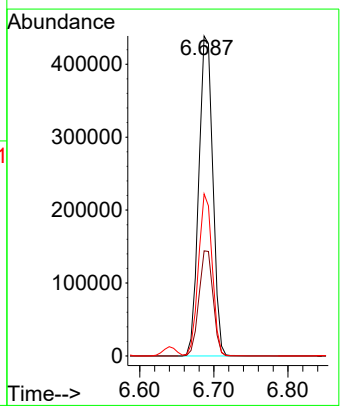
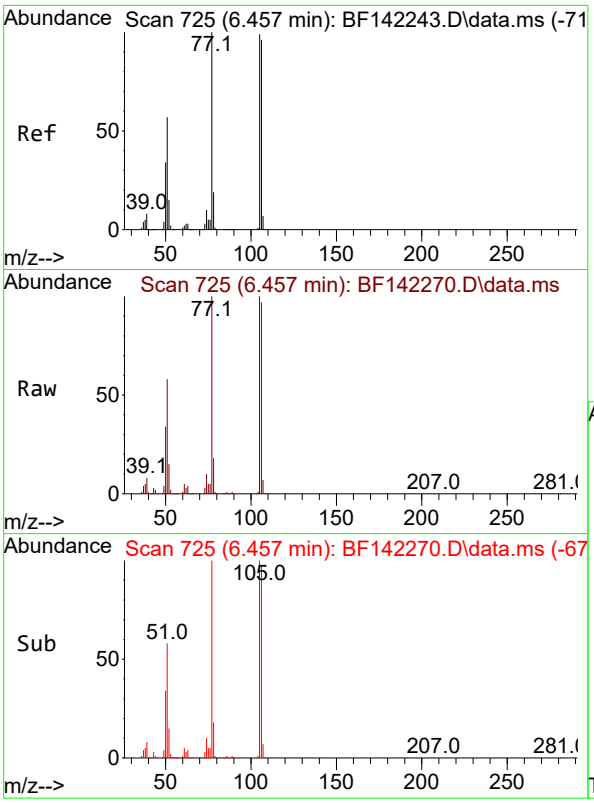


#8
2-Chlorophenol
Concen: 43.572 ng
RT: 6.687 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:128 Resp: 576726

Ion	Ratio	Lower	Upper
128	100		
130	32.9	13.1	53.1
64	50.7	28.6	68.6

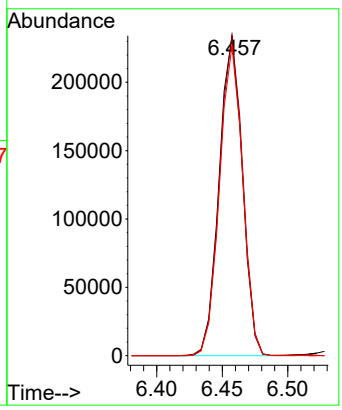




#9
Benzaldehyde
Concen: 26.480 ng
RT: 6.457 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion: 77 Resp: 28627

Ion	Ratio	Lower	Upper
77	100		
105	100.2	79.1	119.1
106	96.9	76.0	116.0



Instrument :
BNA_F
ClientSampleId :
B-167-SB01MSD

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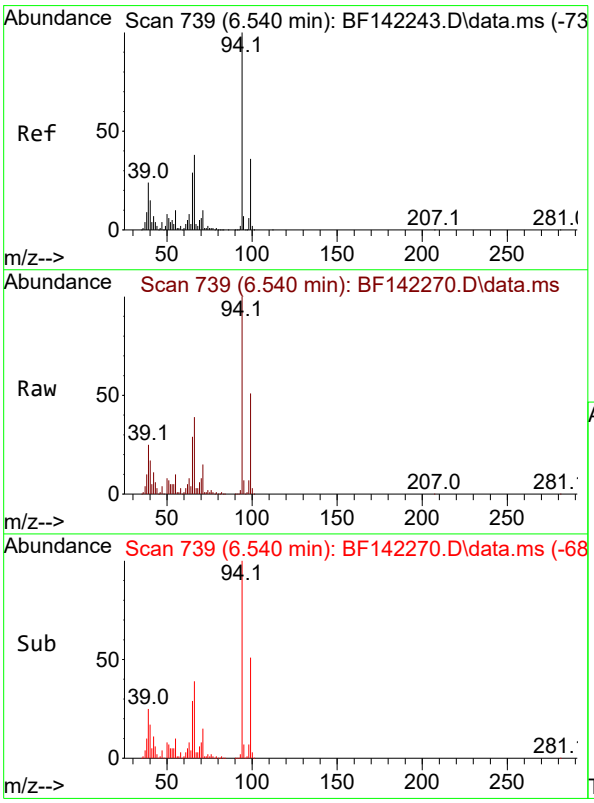
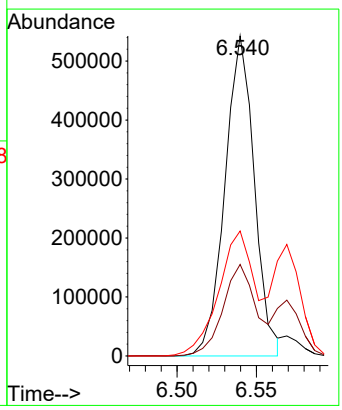
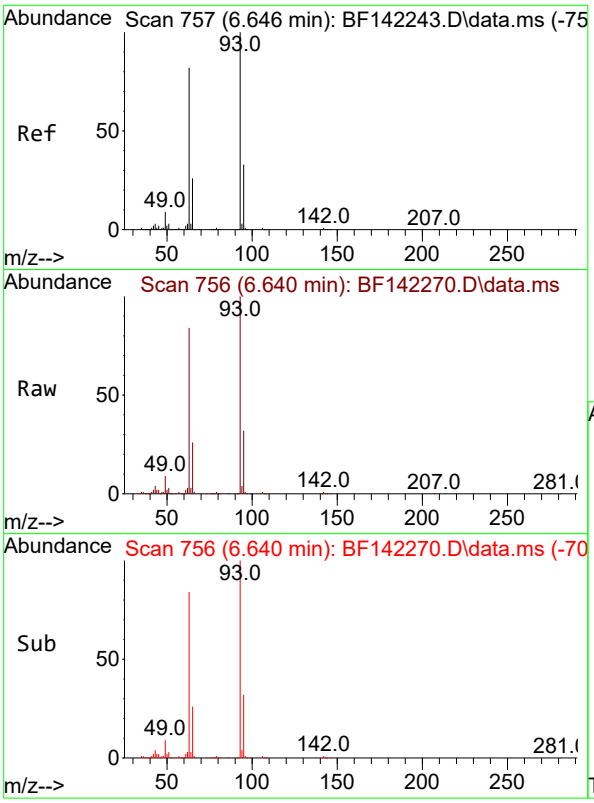


#10
Phenol
Concen: 42.004 ng m
RT: 6.540 min Scan# 739
Delta R.T. -0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion: 94 Resp: 699472

Ion	Ratio	Lower	Upper
94	100		
65	28.6	8.9	48.9
66	39.1	18.7	58.7

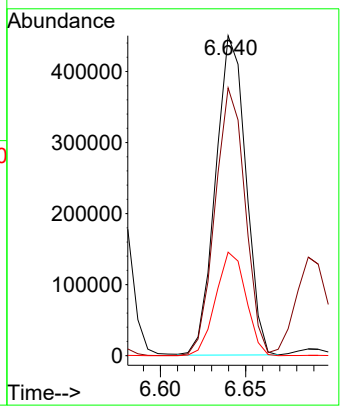




#11
bis(2-Chloroethyl)ether
Concen: 43.034 ng
RT: 6.640 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion: 93 Resp: 55531

Ion	Ratio	Lower	Upper
93	100		
63	83.7	62.2	102.2
95	32.3	12.7	52.7



Instrument :
BNA_F
ClientSampleId :
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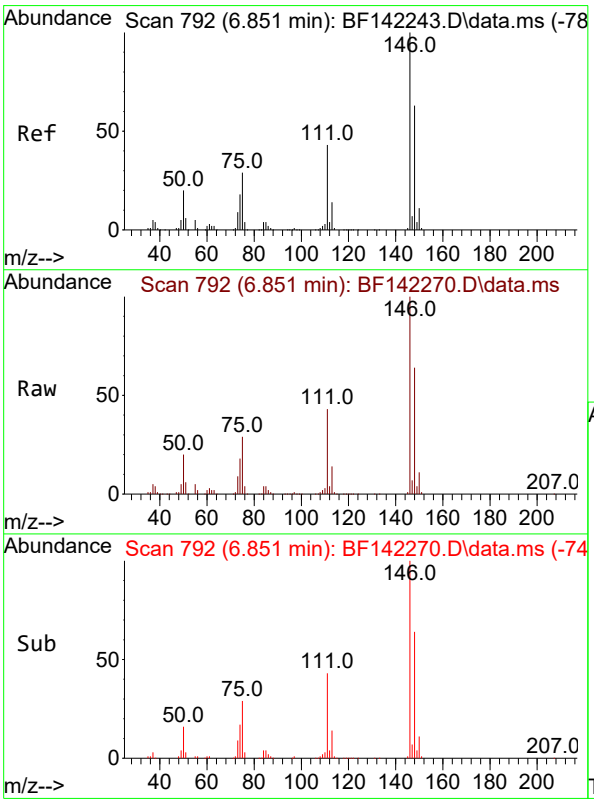
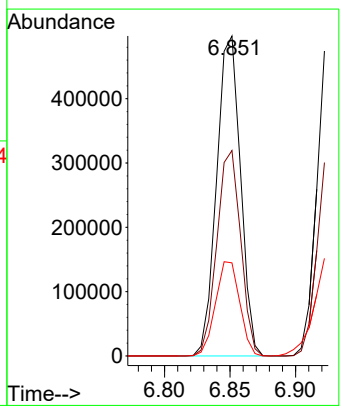
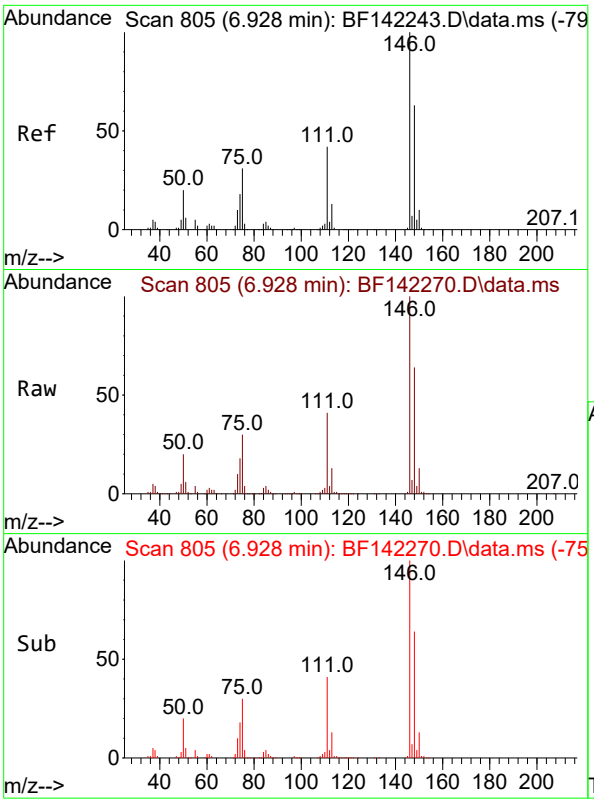


#12
1,3-Dichlorobenzene
Concen: 41.999 ng
RT: 6.851 min Scan# 792
Delta R.T. 0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:146 Resp: 628881

Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.5	75.7
75	29.1	23.2	34.8

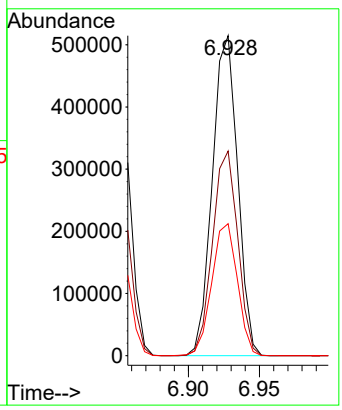




#13
1,4-Dichlorobenzene
Concen: 42.264 ng
RT: 6.928 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:146 Resp: 63760

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.6	76.0
111	41.3	33.4	50.0



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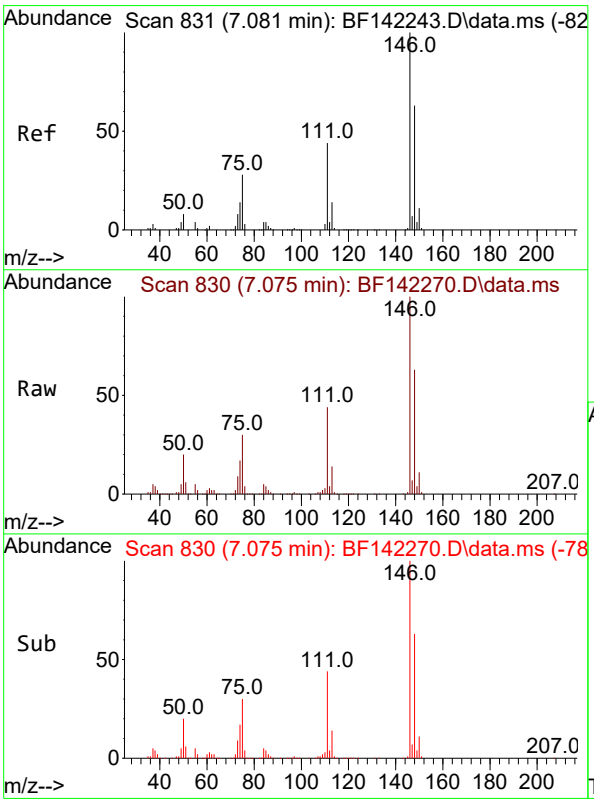
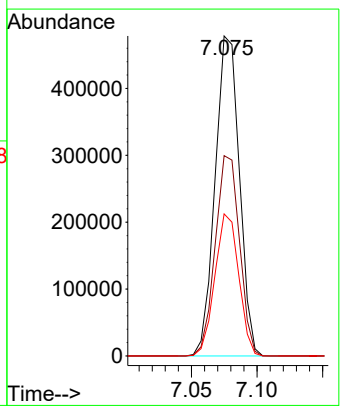
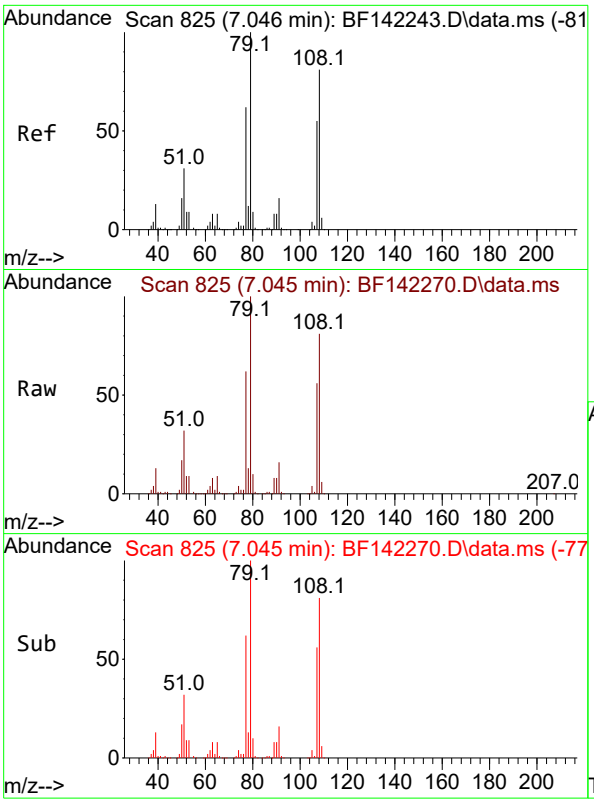


#14
1,2-Dichlorobenzene
Concen: 42.685 ng
RT: 7.075 min Scan# 830
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:146 Resp: 614756

Ion	Ratio	Lower	Upper
146	100		
148	62.6	50.5	75.7
111	44.4	34.9	52.3

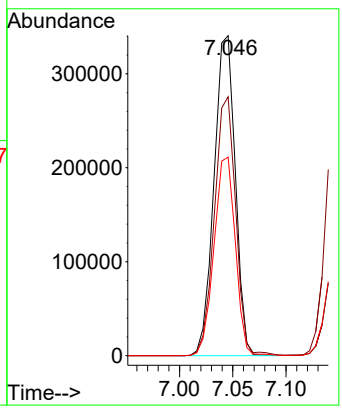




#15
Benzyl Alcohol
Concen: 42.978 ng
RT: 7.045 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion: 79 Resp: 47149

Ion	Ratio	Lower	Upper
79	100		
108	80.9	64.5	96.7
77	62.0	49.2	73.8



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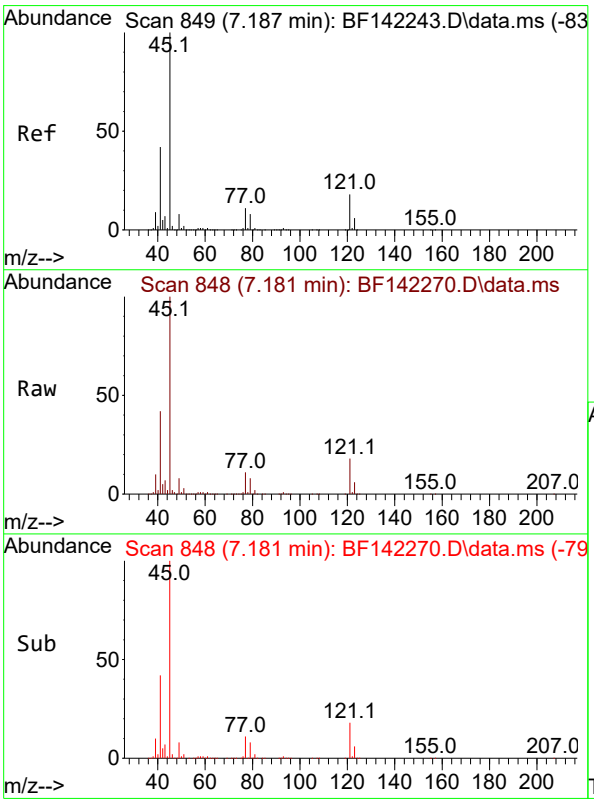
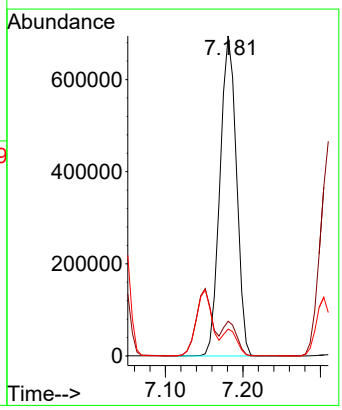
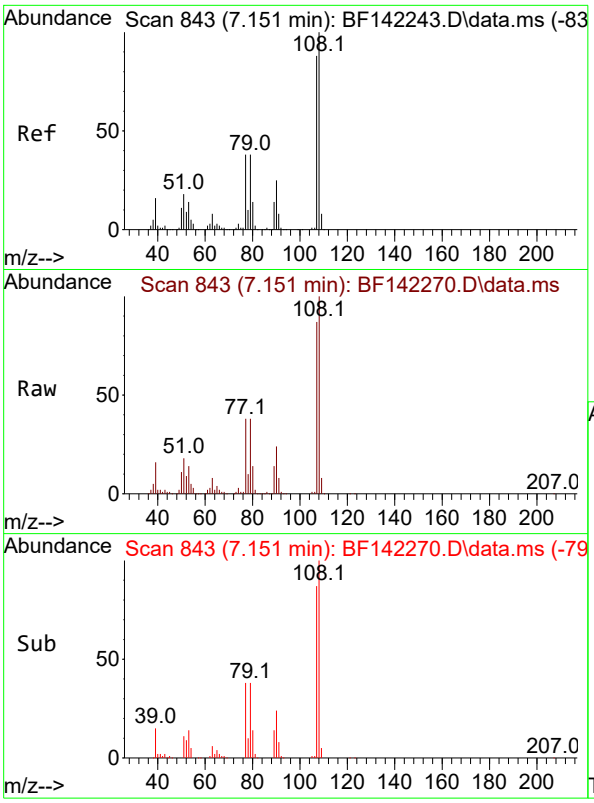


#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.067 ng
RT: 7.181 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion: 45 Resp: 1026846

Ion	Ratio	Lower	Upper
45	100		
77	10.8	0.0	31.3
79	8.4	0.0	28.5

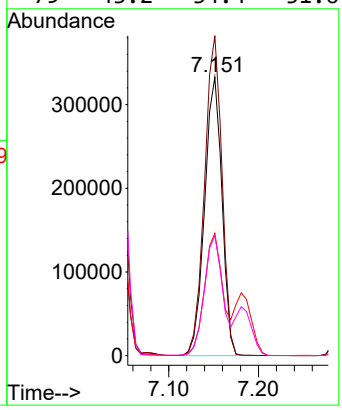




#17
2-Methylphenol
Concen: 41.139 ng
RT: 7.151 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:107 Resp: 44607

Ion	Ratio	Lower	Upper
107	100		
108	114.9	91.0	136.4
77	44.0	34.4	51.6
79	43.2	34.4	51.6



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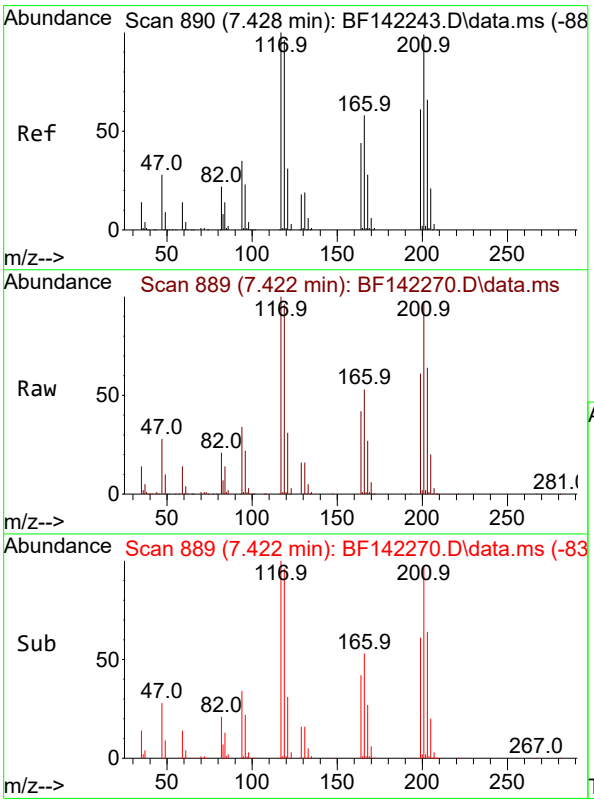
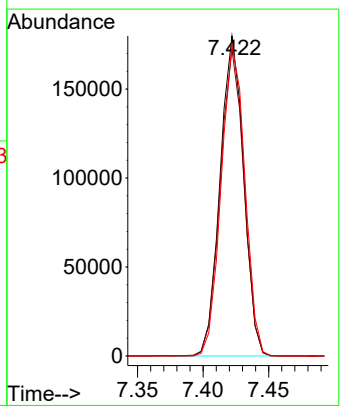
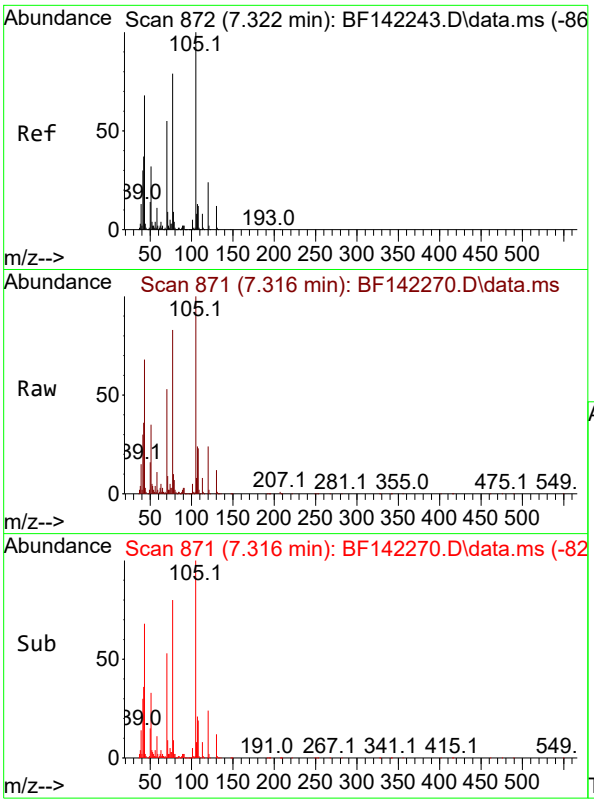


#18
Hexachloroethane
Concen: 45.411 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:117 Resp: 224222

Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.1	115.7
201	97.3	79.4	119.2

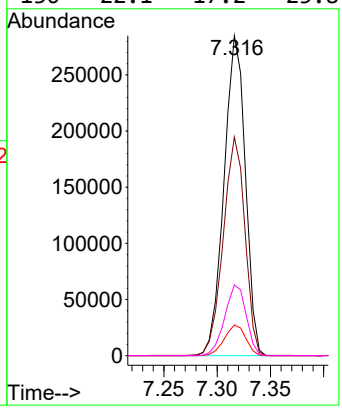




#19
n-Nitroso-di-n-propylamine
Concen: 41.480 ng
RT: 7.316 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion: 70 Resp: 39648

Ion	Ratio	Lower	Upper
70	100		
42	68.4	53.4	80.2
101	9.6	7.7	11.5
130	22.1	17.2	25.8



Instrument :
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ClientSampleId :
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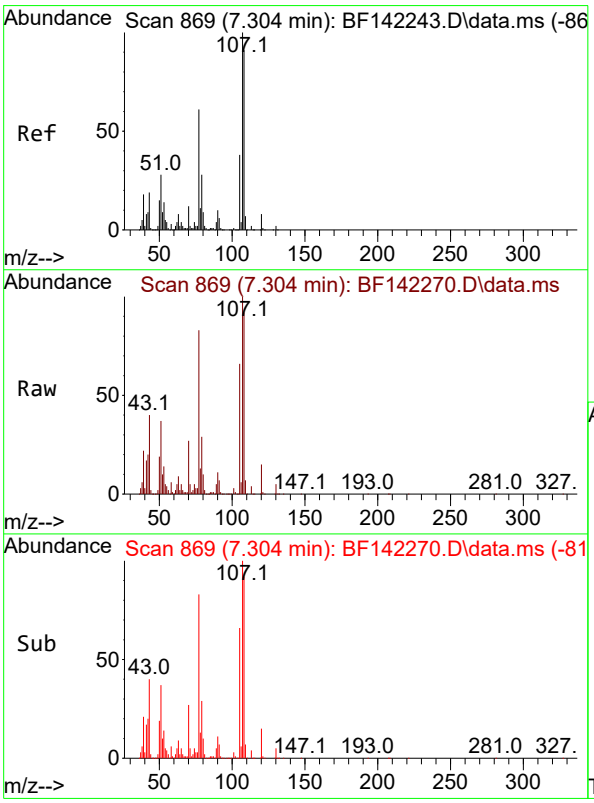
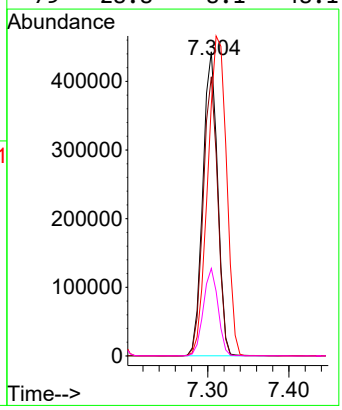
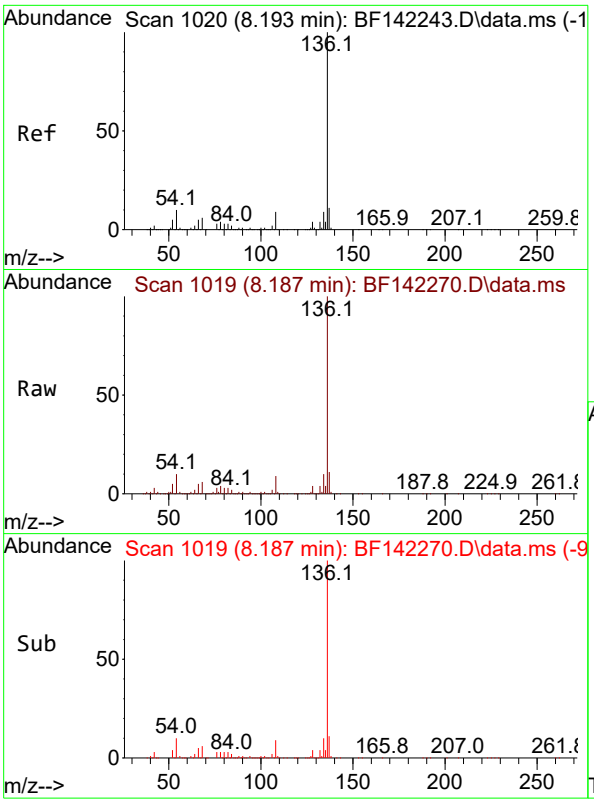


#20
3+4-Methylphenols
Concen: 41.280 ng
RT: 7.304 min Scan# 869
Delta R.T. 0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:107 Resp: 559745

Ion	Ratio	Lower	Upper
107	100		
108	91.8	71.2	111.2
77	82.8	41.1	81.1#
79	28.8	8.1	48.1

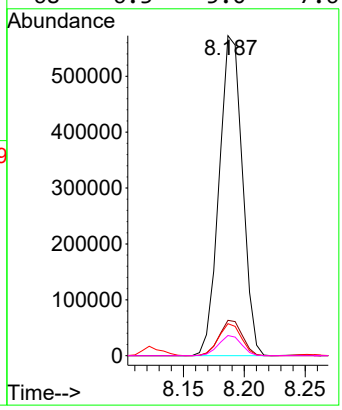




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:136 Resp: 76245

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	10.0	7.7	11.5
68	6.3	5.0	7.6



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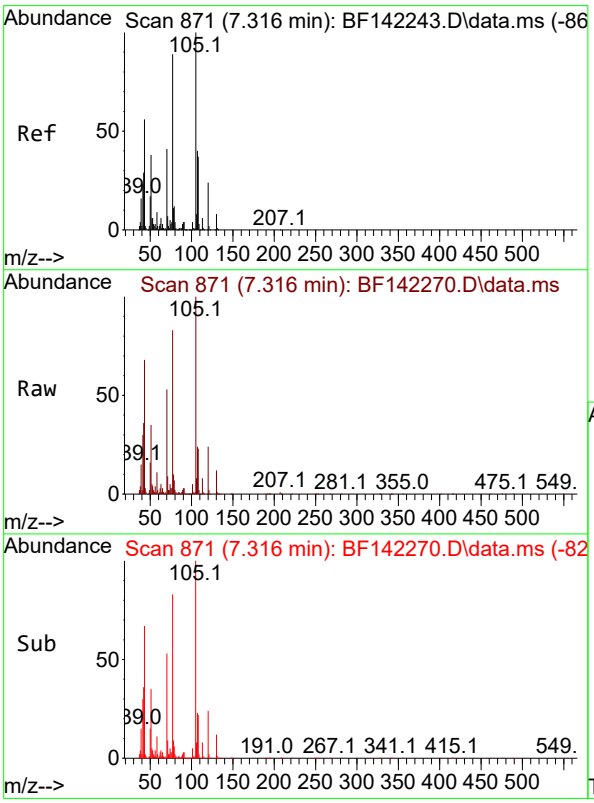
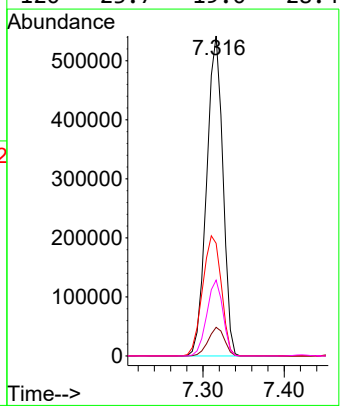
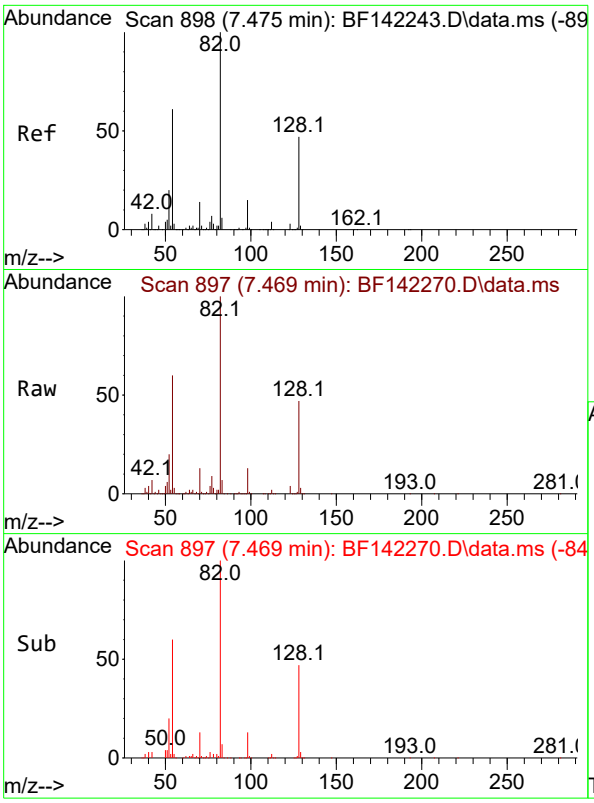


#22
Acetophenone
Concen: 42.626 ng
RT: 7.316 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:105 Resp: 751886

Ion	Ratio	Lower	Upper
105	100		
71	8.9	5.7	8.5#
51	35.2	30.1	45.1
120	23.7	19.0	28.4

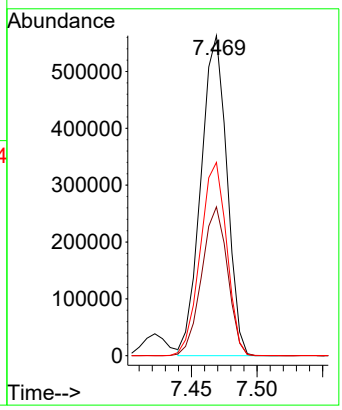




#23
Nitrobenzene-d5
Concen: 66.910 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion: 82 Resp: 77652

Ion	Ratio	Lower	Upper
82	100		
128	46.5	37.0	55.6
54	60.4	48.0	72.0



Instrument :
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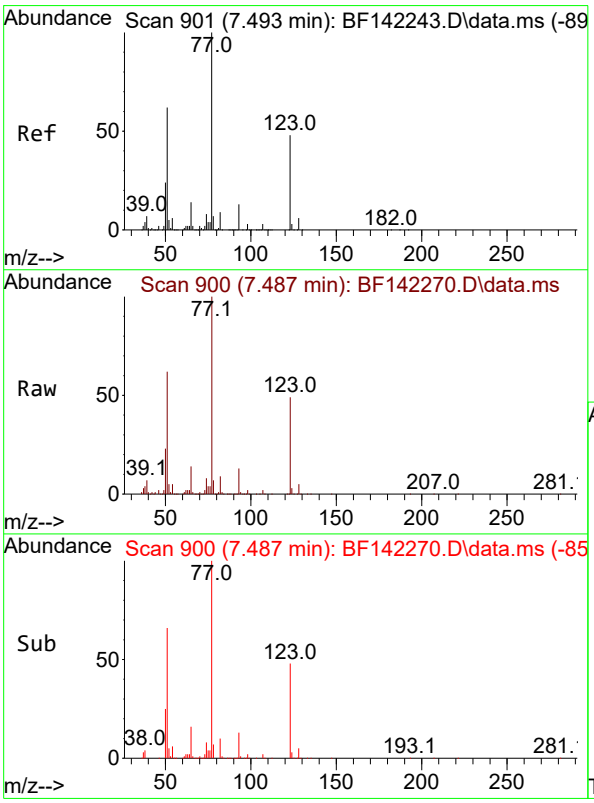
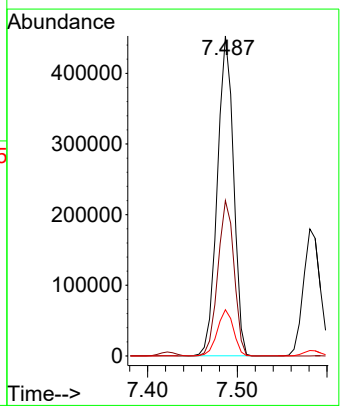
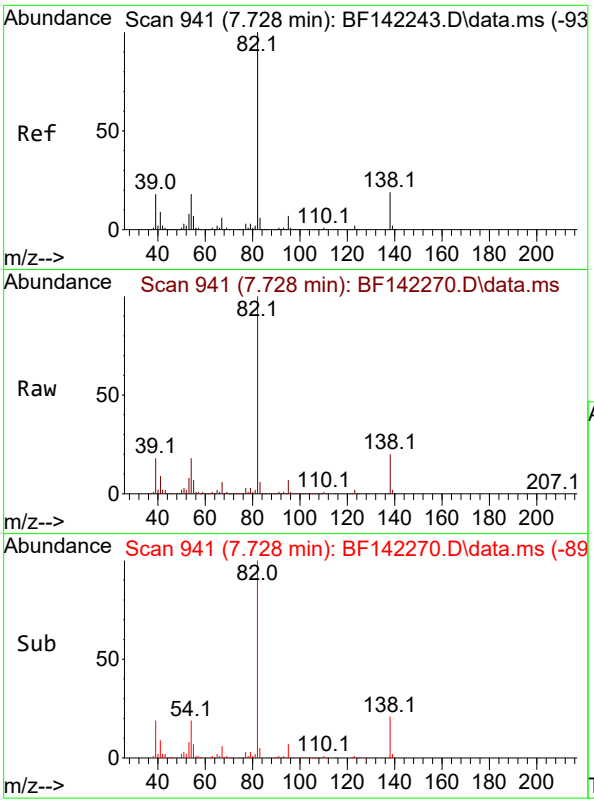


#24
Nitrobenzene
Concen: 49.874 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion: 77 Resp: 567935

Ion	Ratio	Lower	Upper
77	100		
123	48.6	38.6	58.0
65	14.5	11.5	17.3

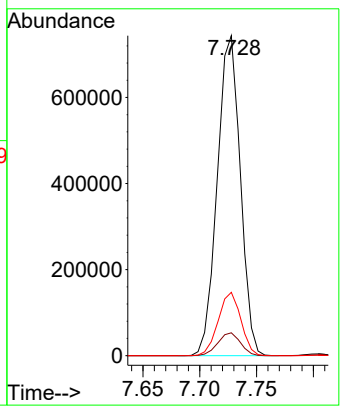




#25
Isophorone
Concen: 43.109 ng
RT: 7.728 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion: 82 Resp: 104998

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.6	8.4
138	19.8	15.3	22.9



Instrument :
BNA_F
ClientSampleId :
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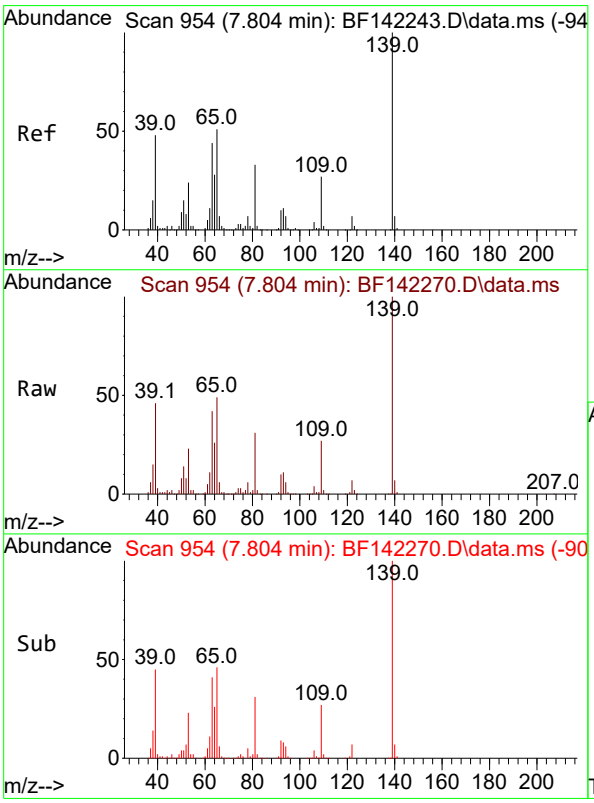
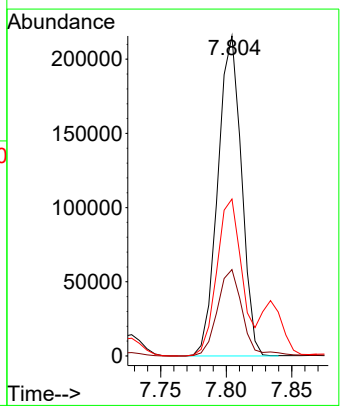
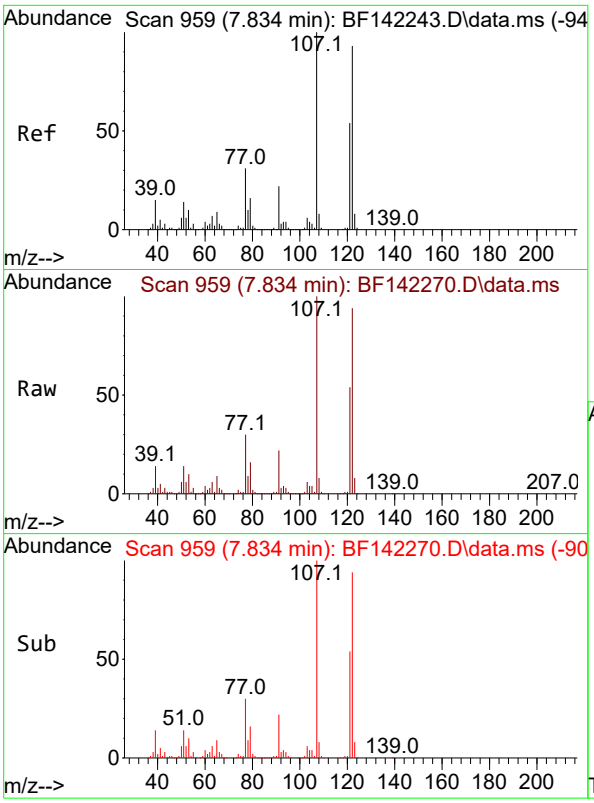


#26
2-Nitrophenol
Concen: 54.552 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:139 Resp: 270273

Ion	Ratio	Lower	Upper
139	100		
109	27.0	21.8	32.8
65	49.1	41.1	61.7

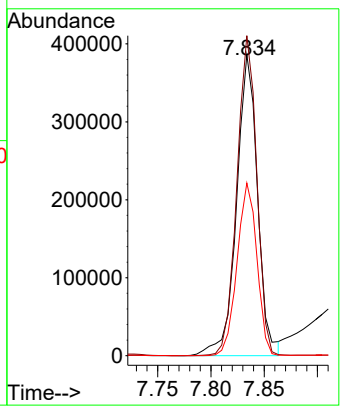




#27
2,4-Dimethylphenol
Concen: 43.212 ng
RT: 7.834 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:122 Resp: 53066

Ion	Ratio	Lower	Upper
122	100		
107	106.3	86.0	129.0
121	57.4	46.3	69.5



Instrument :
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ClientSampleId :
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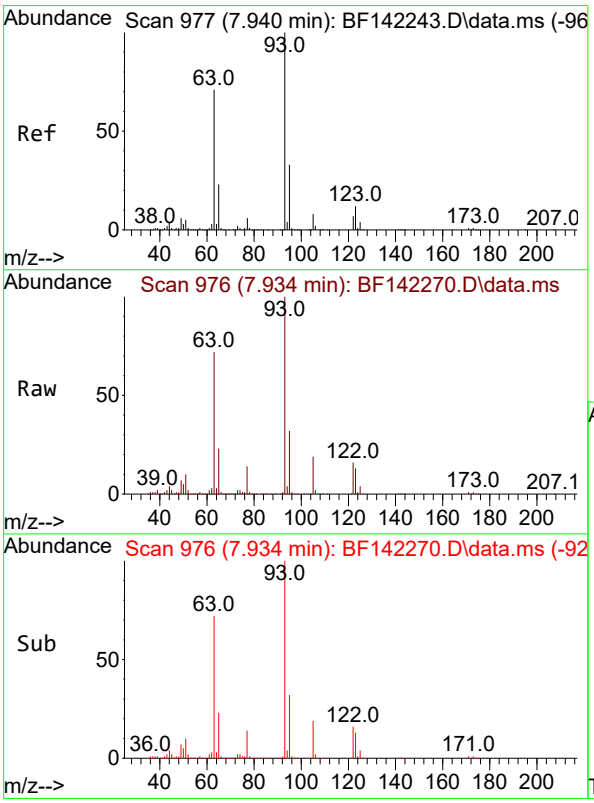
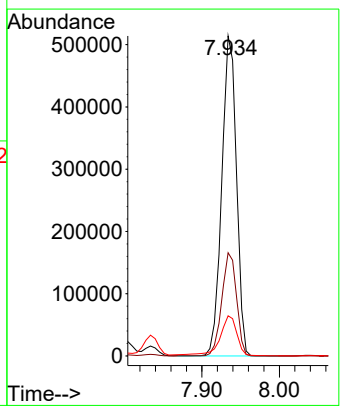
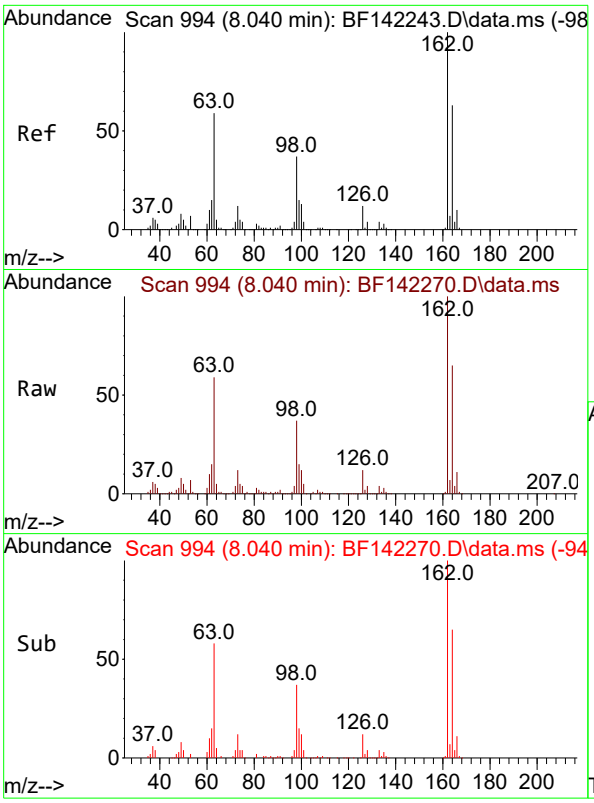


#28
bis(2-Chloroethoxy)methane
Concen: 44.077 ng
RT: 7.934 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion: 93 Resp: 677074

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.2
123	12.6	9.7	14.5

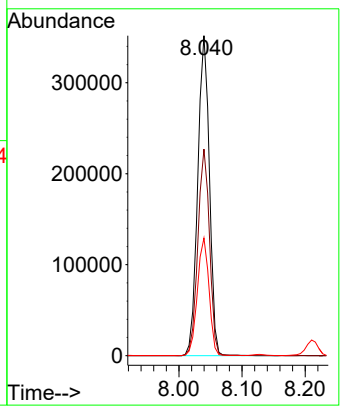




#29
2,4-Dichlorophenol
Concen: 43.927 ng
RT: 8.040 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:162 Resp: 45099

Ion	Ratio	Lower	Upper
162	100		
164	64.6	43.0	83.0
98	36.7	16.7	56.7



Instrument :
BNA_F
ClientSampleId :
B-167-SB01MSD

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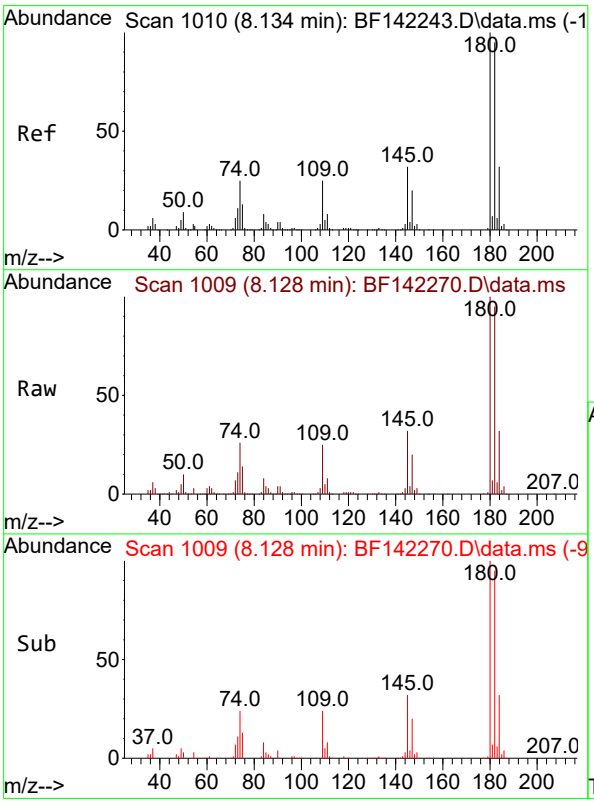
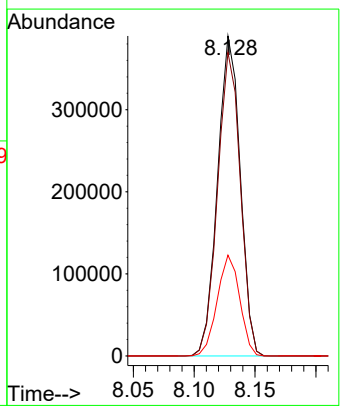
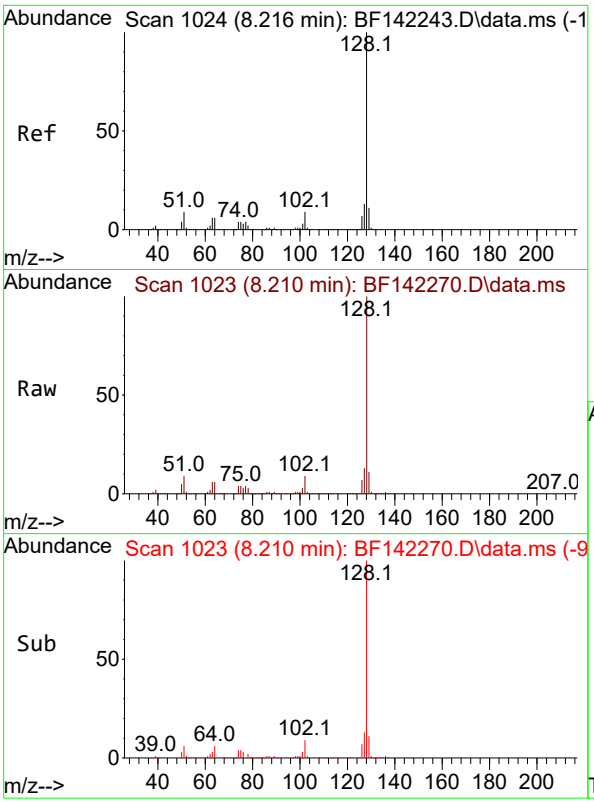


#30
1,2,4-Trichlorobenzene
Concen: 44.110 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:180 Resp: 505370

Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.7	113.5
145	31.5	25.4	38.0

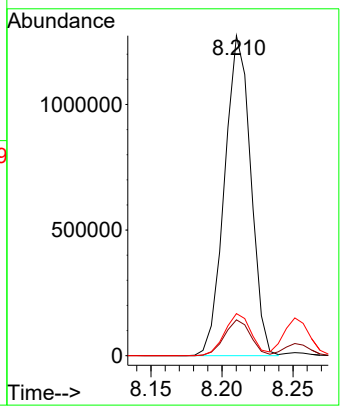




#31
Naphthalene
Concen: 42.898 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:128 Resp: 163115

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	13.2	10.6	15.8



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ClientSampleId :
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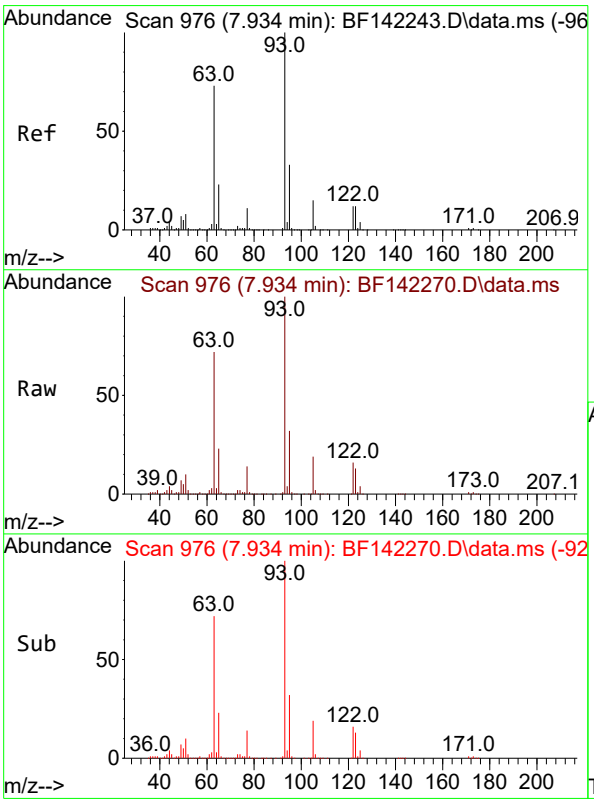
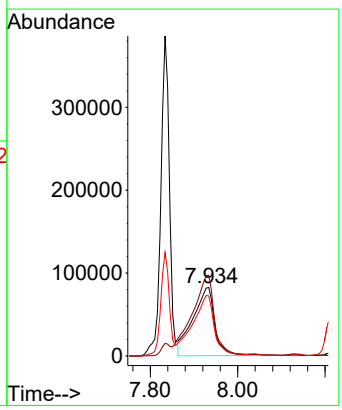
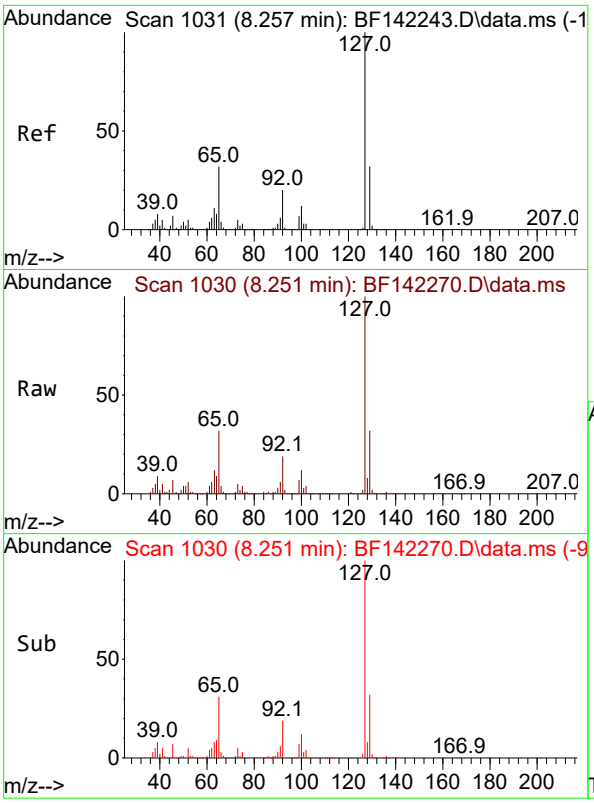


#32
Benzoic acid
Concen: 48.669 ng
RT: 7.934 min Scan# 976
Delta R.T. -0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:122 Resp: 285536

Ion	Ratio	Lower	Upper
122	100		
105	117.7	98.2	138.2
77	87.6	66.8	106.8

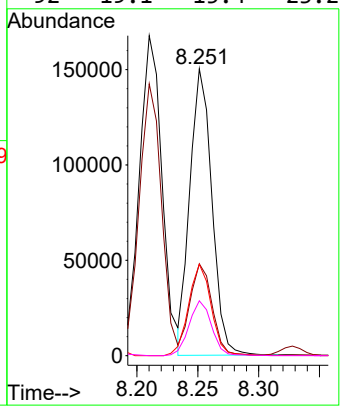




#33
4-Chloroaniline
Concen: 11.933 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:127 Resp: 18894

Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.1	39.1
65	31.9	25.5	38.3
92	19.1	15.4	23.2



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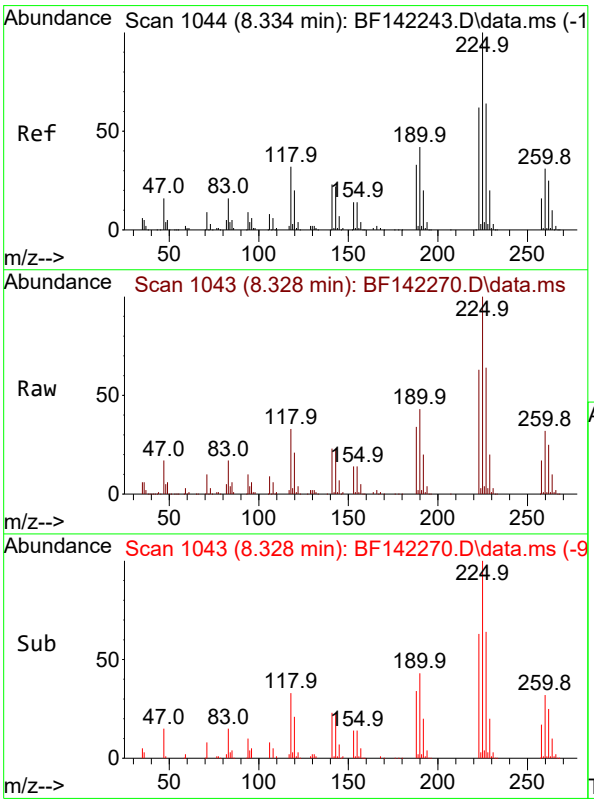
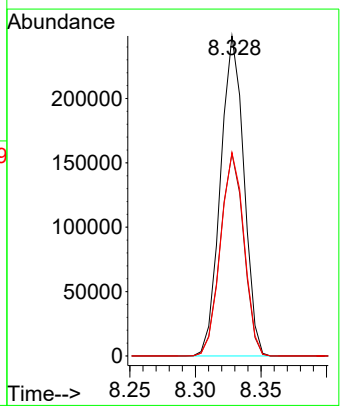
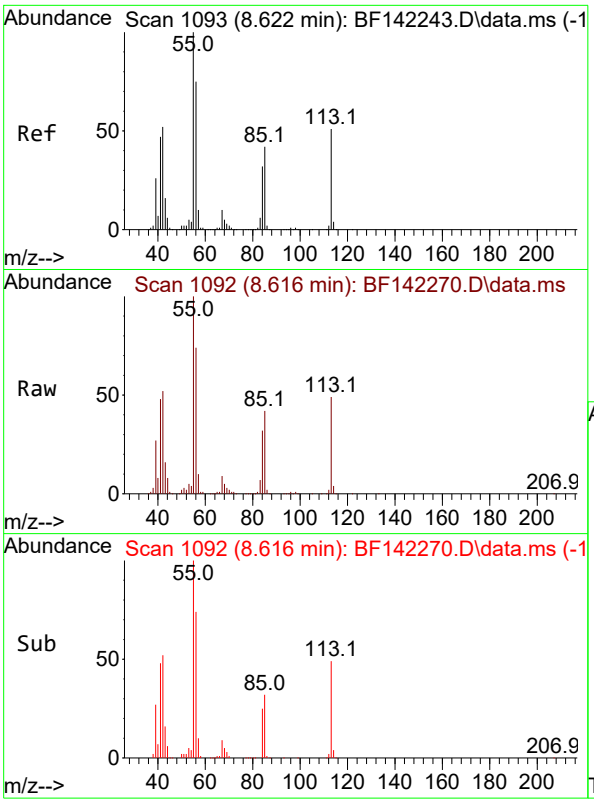


#34
Hexachlorobutadiene
Concen: 46.100 ng
RT: 8.328 min Scan# 1043
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:225 Resp: 308153

Ion	Ratio	Lower	Upper
225	100		
223	63.3	49.7	74.5
227	63.6	51.0	76.4

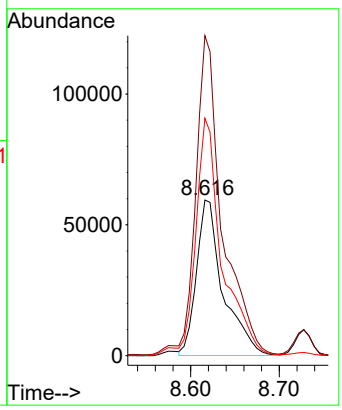




#35
Caprolactam
Concen: 40.210 ng m
RT: 8.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:113 Resp: 12408

Ion	Ratio	Lower	Upper
113	100		
55	205.5	177.7	217.7
56	152.5	127.1	167.1



Instrument :
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ClientSampleId :
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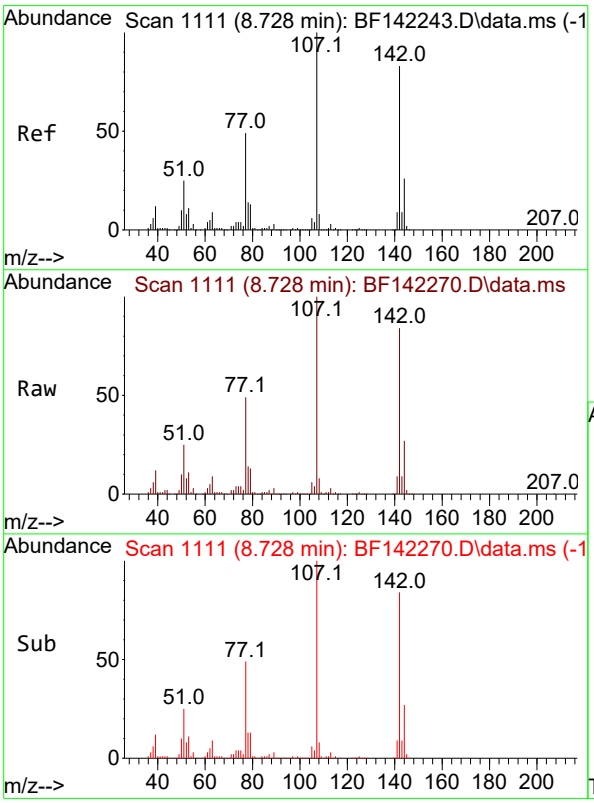
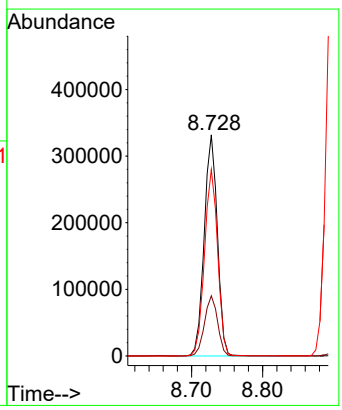
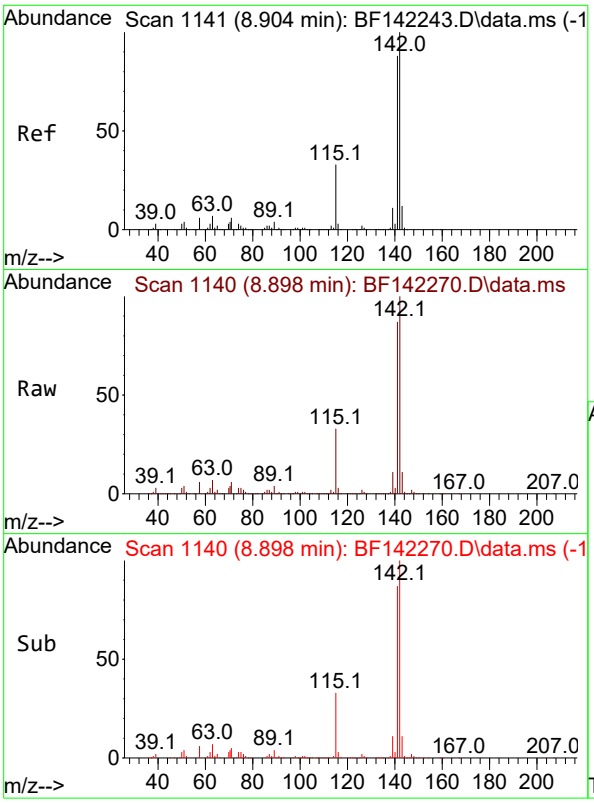


#36
4-Chloro-3-methylphenol
Concen: 40.609 ng
RT: 8.728 min Scan# 1111
Delta R.T. 0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:107 Resp: 428130

Ion	Ratio	Lower	Upper
107	100		
144	27.3	21.0	31.4
142	84.3	66.1	99.1

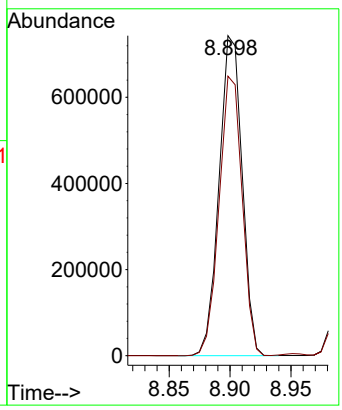




#37
2-Methylnaphthalene
Concen: 41.802 ng
RT: 8.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:142 Resp: 97725

Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.5	105.7



Instrument :
BNA_F
ClientSampleId :
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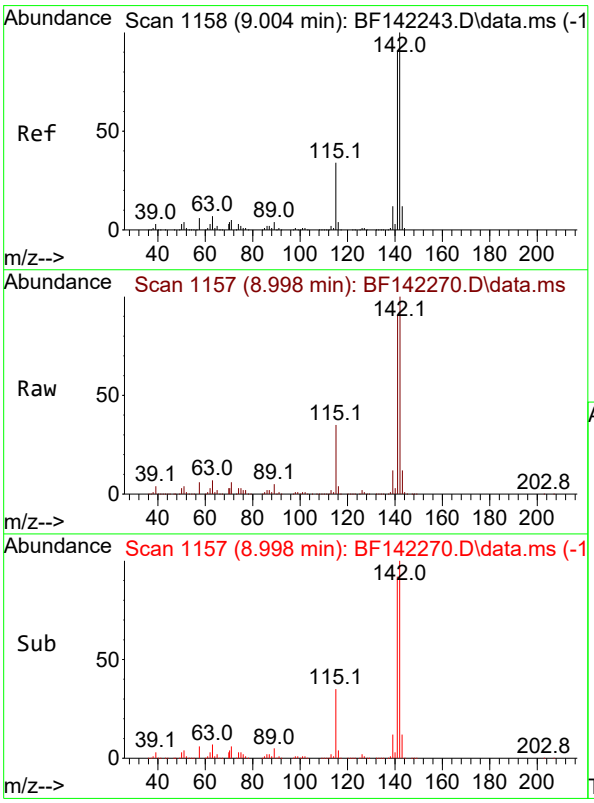
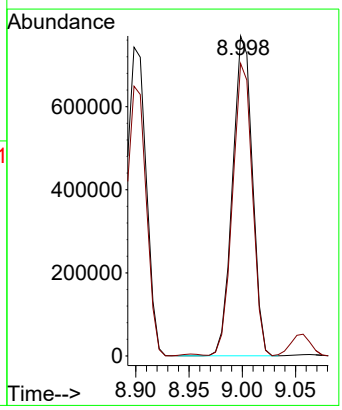
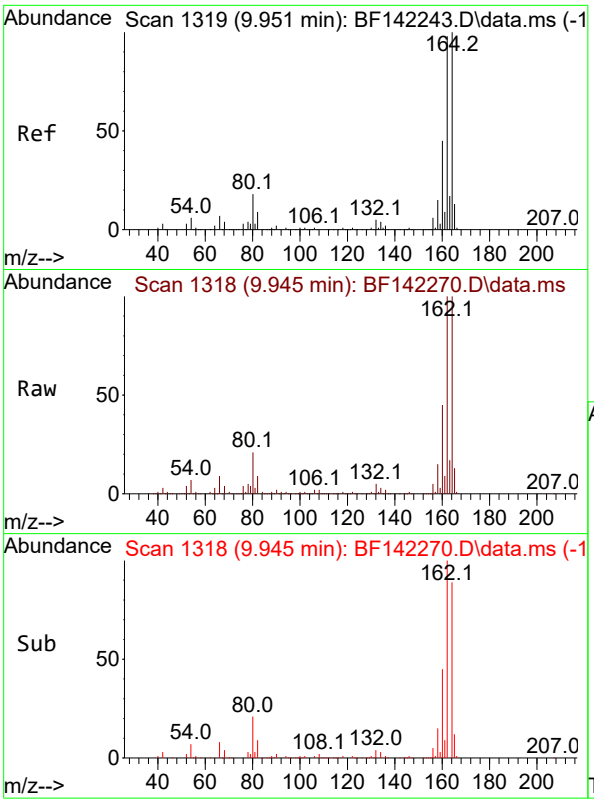


#38
1-Methylnaphthalene
Concen: 41.279 ng
RT: 8.998 min Scan# 1157
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:142 Resp: 999740

Ion	Ratio	Lower	Upper
142	100		
141	91.4	72.8	109.2

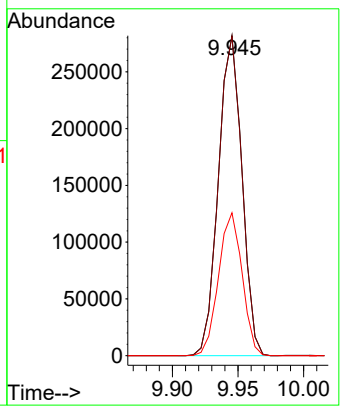




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:164 Resp: 35187

Ion	Ratio	Lower	Upper
164	100		
162	99.8	78.6	117.8
160	44.6	35.7	53.5



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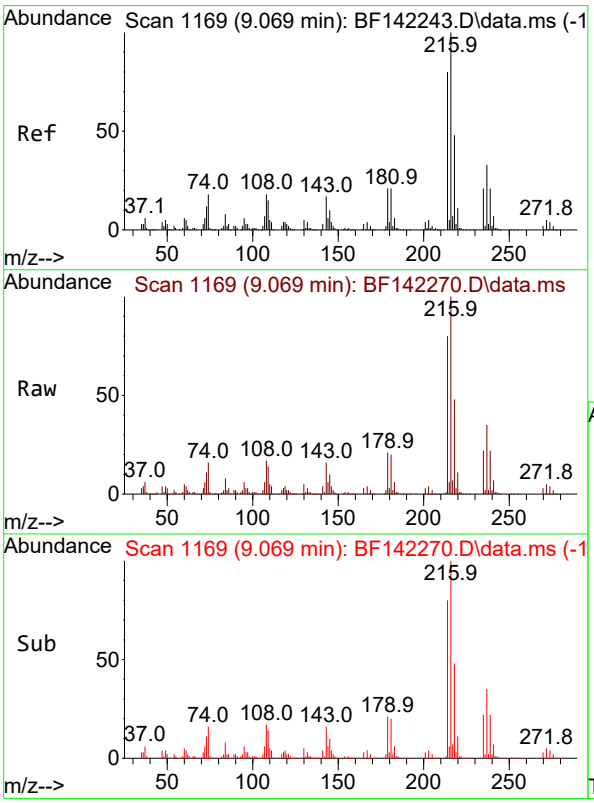
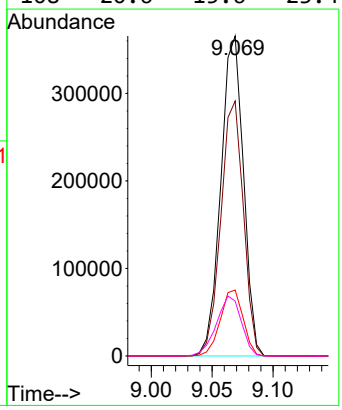
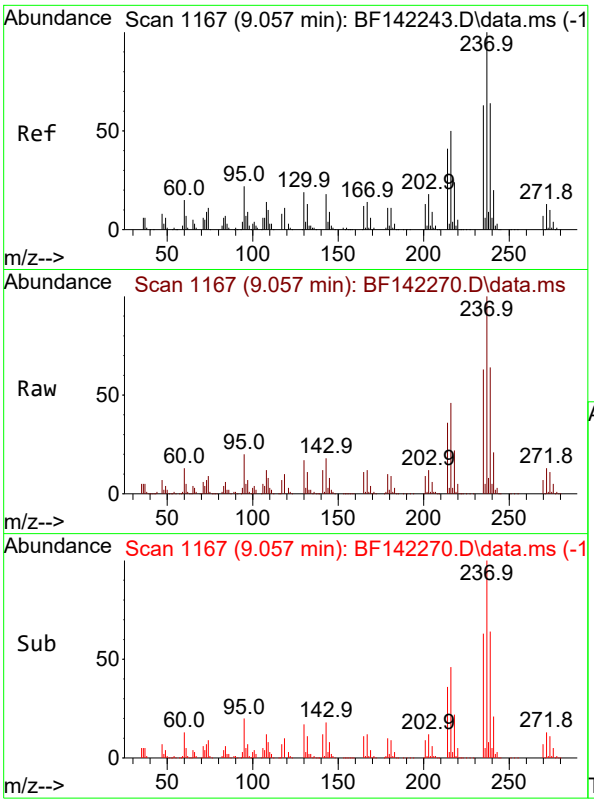


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.654 ng
RT: 9.069 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:216 Resp: 471907

Ion	Ratio	Lower	Upper
216	100		
214	79.4	63.8	95.6
179	20.9	16.7	25.1
108	20.6	15.6	23.4

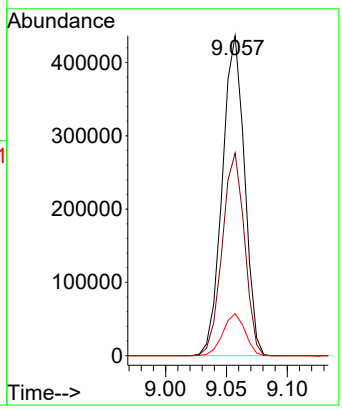




#41
Hexachlorocyclopentadiene
Concen: 98.586 ng
RT: 9.057 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:237 Resp: 55408

Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.5	83.5
272	13.2	0.0	32.9



Instrument :
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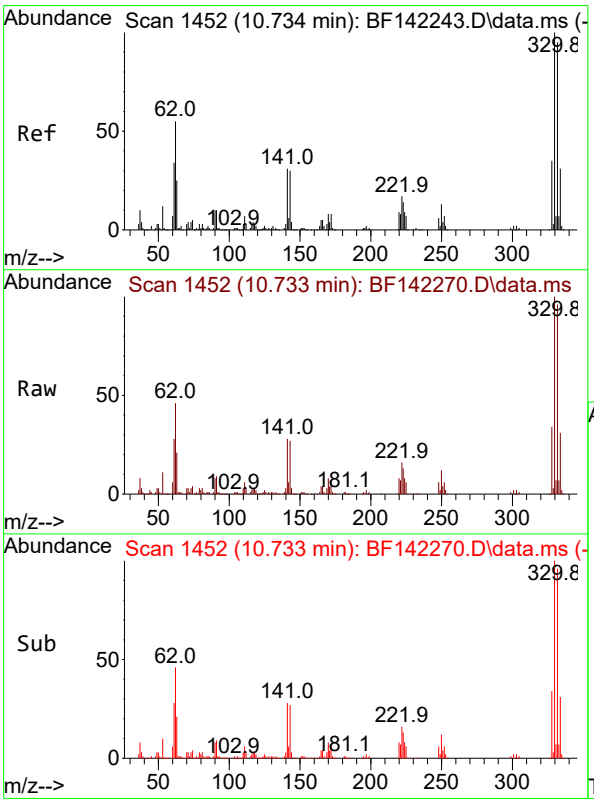
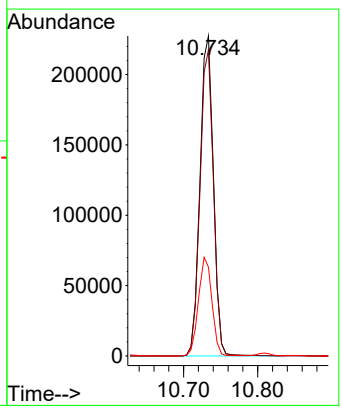
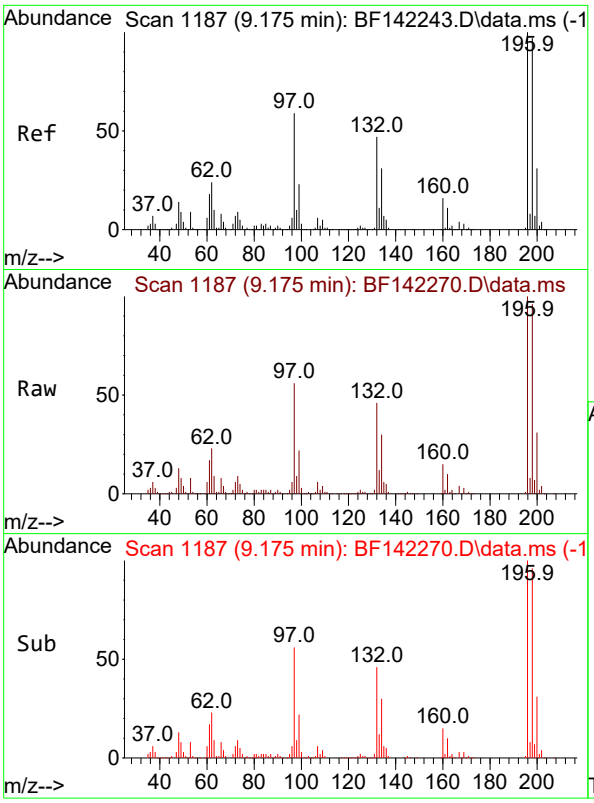


#42
2,4,6-Tribromophenol
Concen: 89.247 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:330 Resp: 286287

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.5	114.7
141	30.9	24.3	36.5

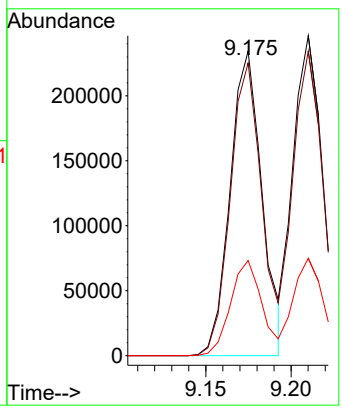




#43
2,4,6-Trichlorophenol
Concen: 49.853 ng
RT: 9.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:196 Resp: 30592

Ion	Ratio	Lower	Upper
196	100		
198	96.2	77.4	116.2
200	31.3	24.6	37.0



Instrument :
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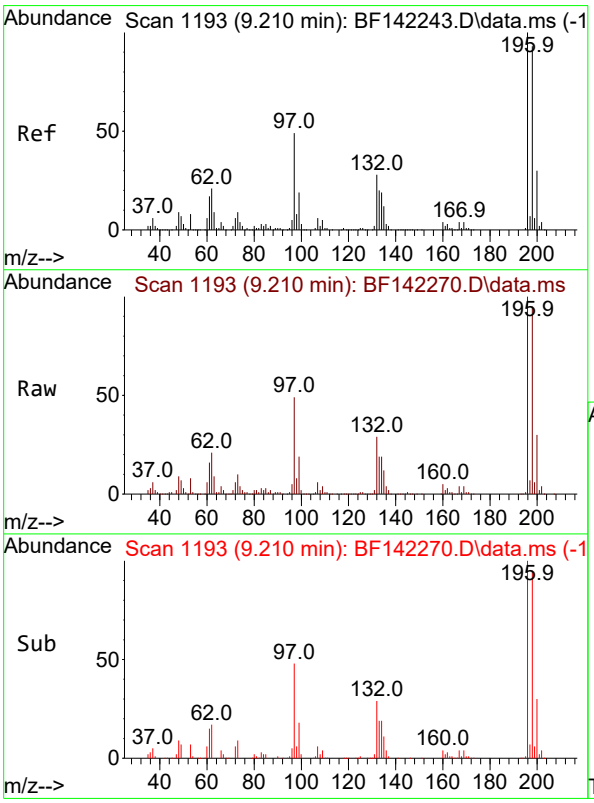
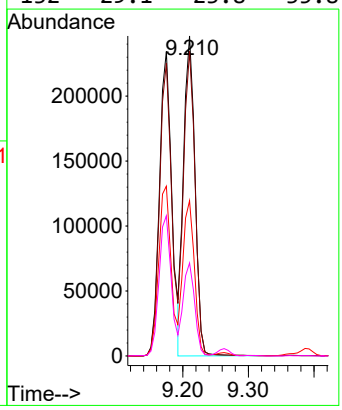
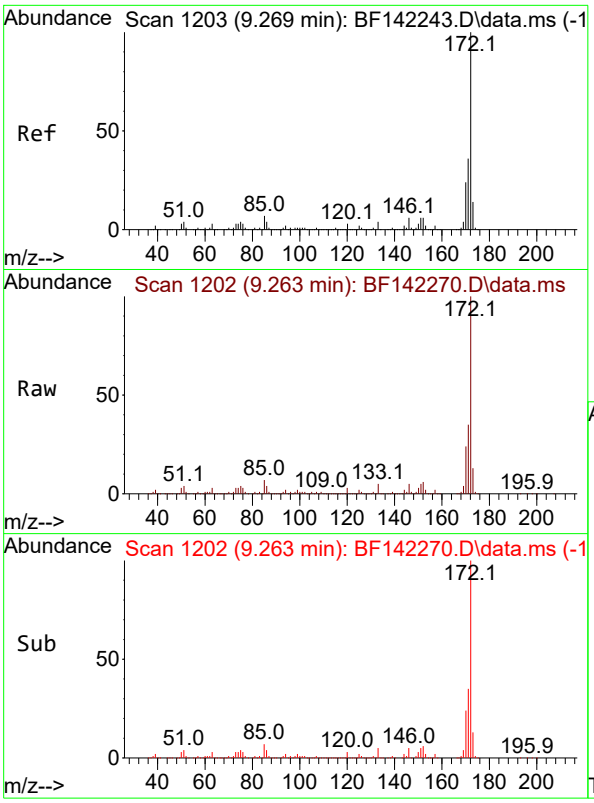


#44
2,4,5-Trichlorophenol
Concen: 46.102 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:196 Resp: 297440

Ion	Ratio	Lower	Upper
196	100		
198	95.2	75.2	112.8
97	48.5	39.8	59.8
132	29.1	23.8	35.8

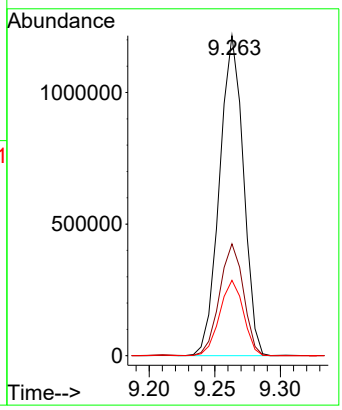




#45
2-Fluorobiphenyl
Concen: 61.773 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:172 Resp: 154161

Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.0	43.4
170	23.5	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
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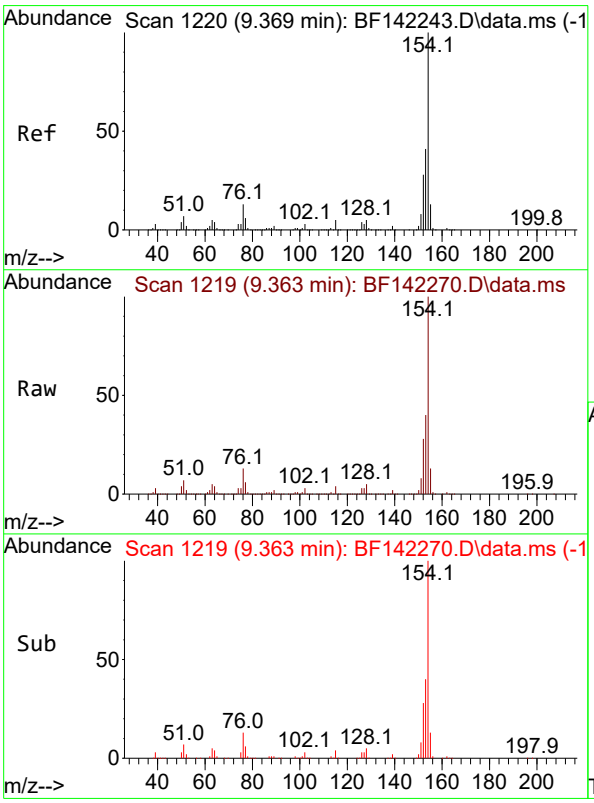
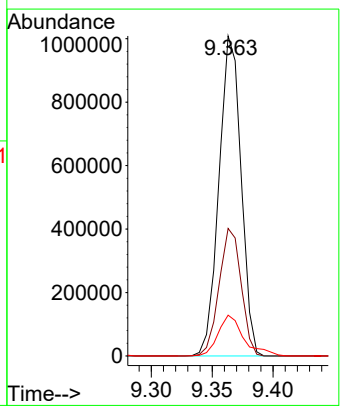
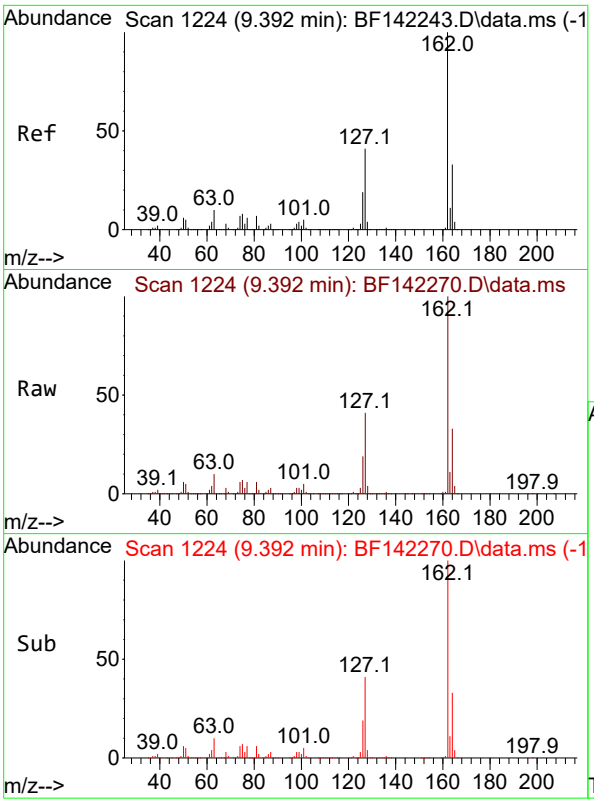


#46
1,1'-Biphenyl
Concen: 46.529 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:154 Resp: 1272788

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.5	60.5
76	12.8	0.0	32.8

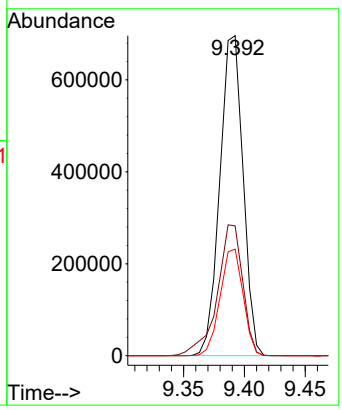




#47
2-Chloronaphthalene
Concen: 45.486 ng
RT: 9.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:162 Resp: 92574

Ion	Ratio	Lower	Upper
162	100		
127	40.6	32.6	49.0
164	33.3	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
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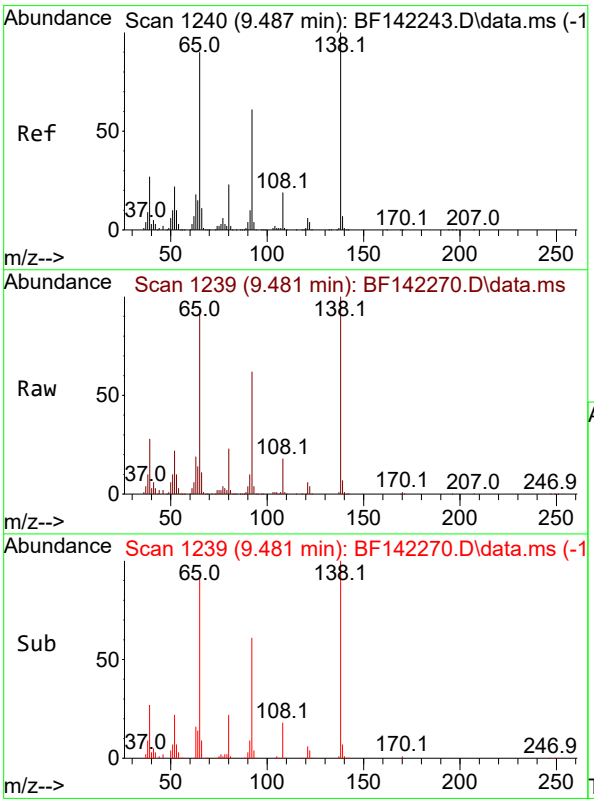
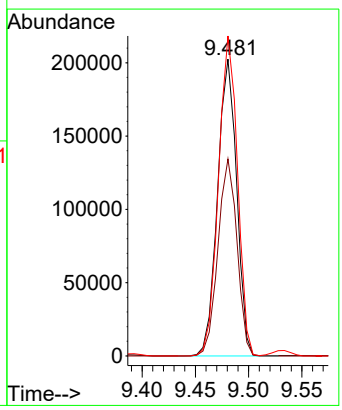
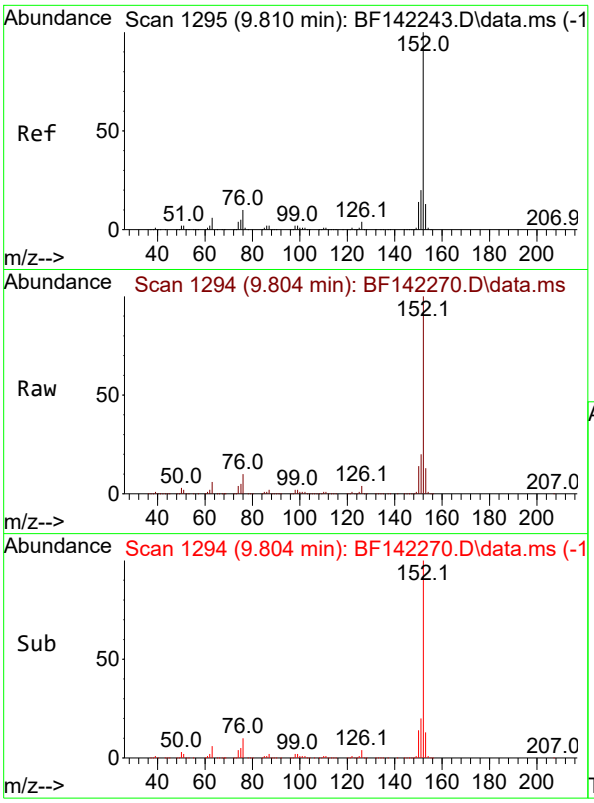


#48
2-Nitroaniline
Concen: 47.110 ng
RT: 9.481 min Scan# 1239
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion: 65 Resp: 252309

Ion	Ratio	Lower	Upper
65	100		
92	66.3	54.3	81.5
138	107.8	88.6	133.0

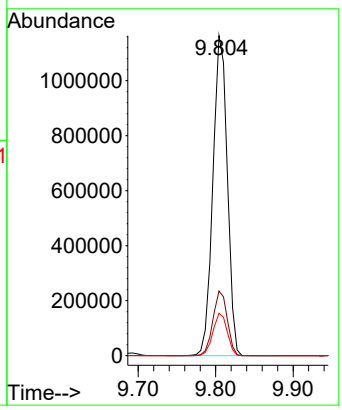




#49
Acenaphthylene
Concen: 43.790 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:152 Resp: 150390

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.3	10.7	16.1



Instrument :
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ClientSampleId :
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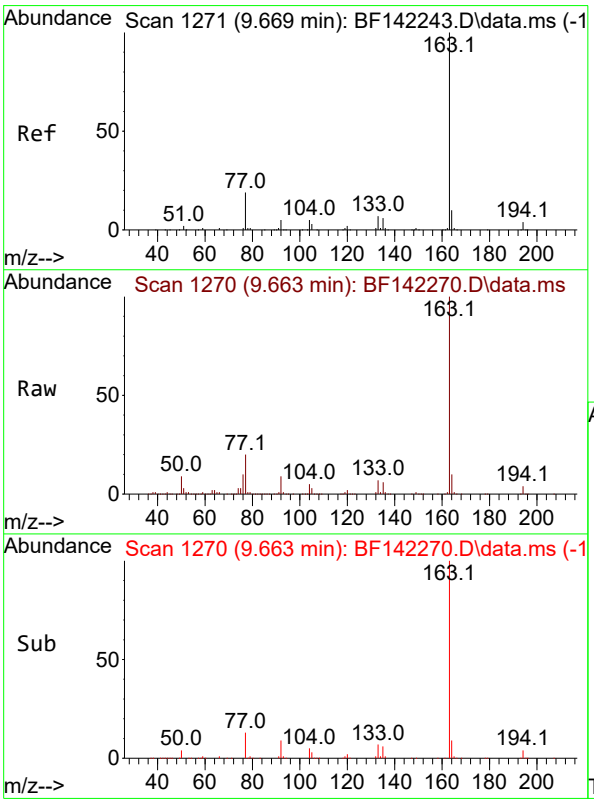
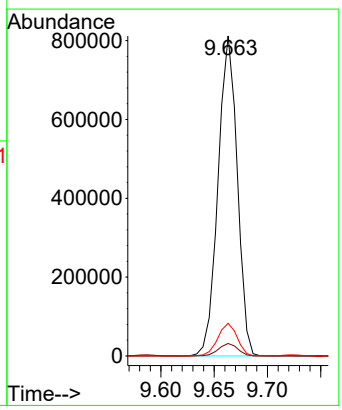
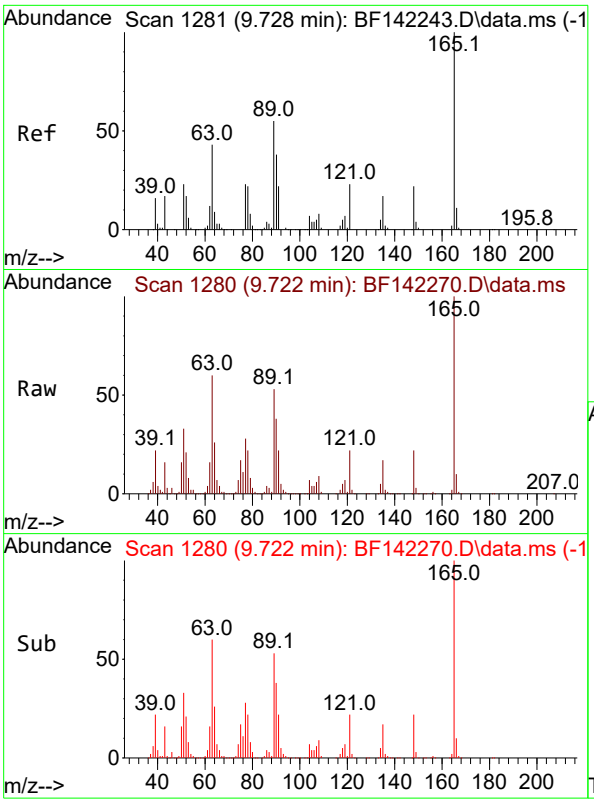


#50
Dimethylphthalate
Concen: 45.099 ng
RT: 9.663 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:163 Resp: 1015217

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.2	8.2	12.2

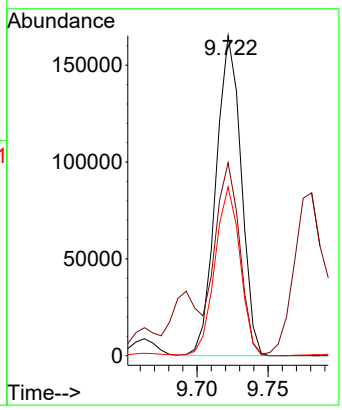




#51
2,6-Dinitrotoluene
Concen: 47.378 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:165 Resp: 20431

Ion	Ratio	Lower	Upper
165	100		
63	60.3	48.5	72.7
89	52.8	43.9	65.9



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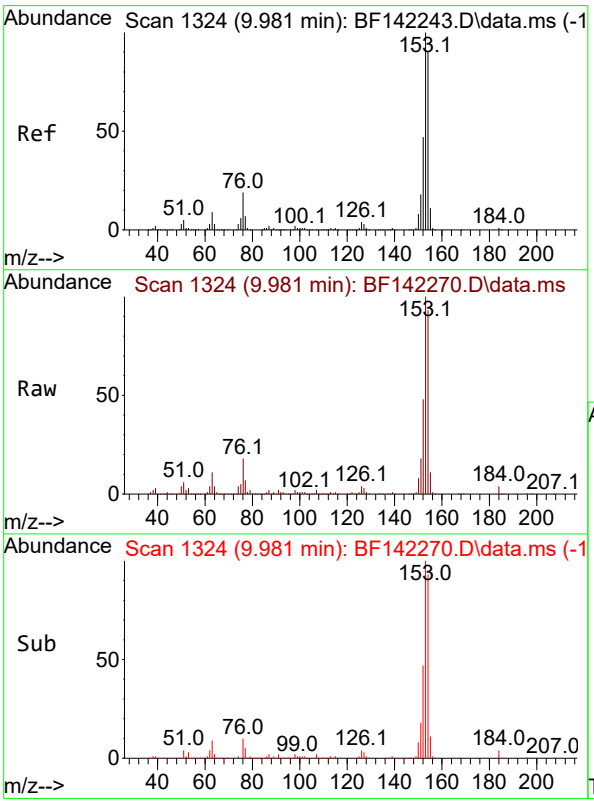
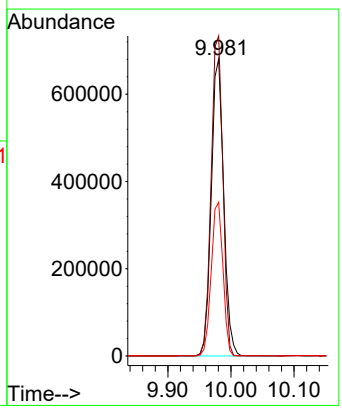
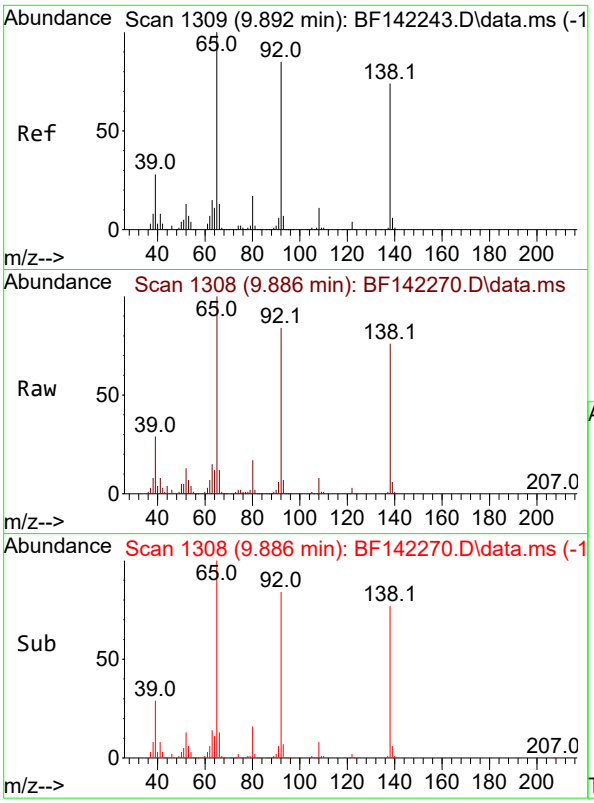


#52
Acenaphthene
Concen: 46.429 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:154 Resp: 931022

Ion	Ratio	Lower	Upper
154	100		
153	107.7	88.6	133.0
152	51.8	42.1	63.1

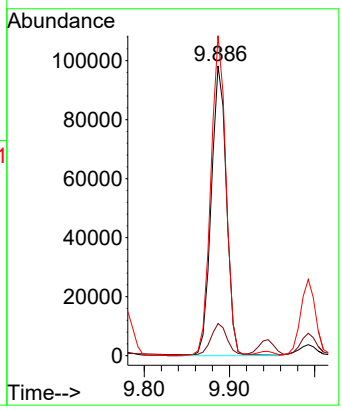




#53
3-Nitroaniline
Concen: 24.861 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:138 Resp: 12193

Ion	Ratio	Lower	Upper
138	100		
108	11.1	11.7	17.5#
92	110.5	91.2	136.8



Instrument :
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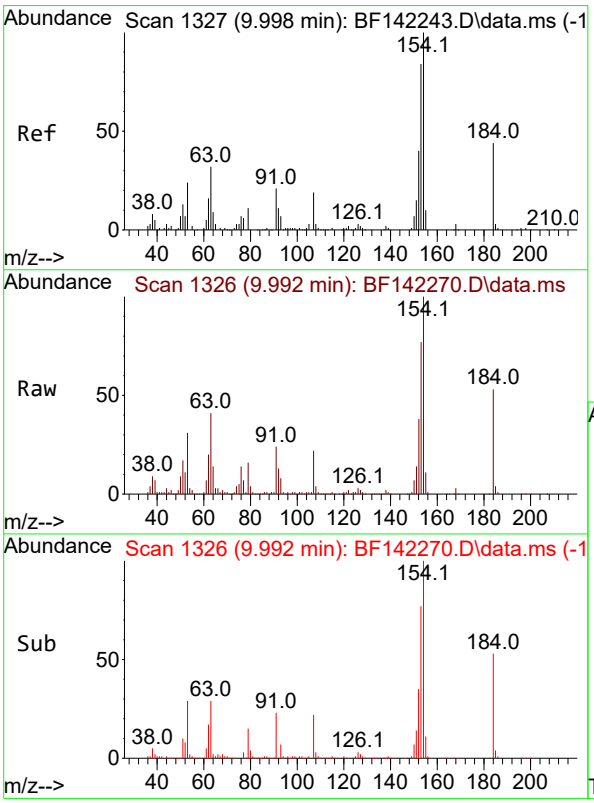
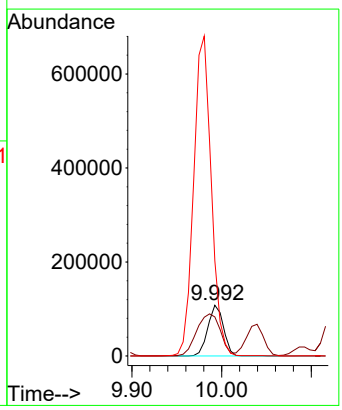
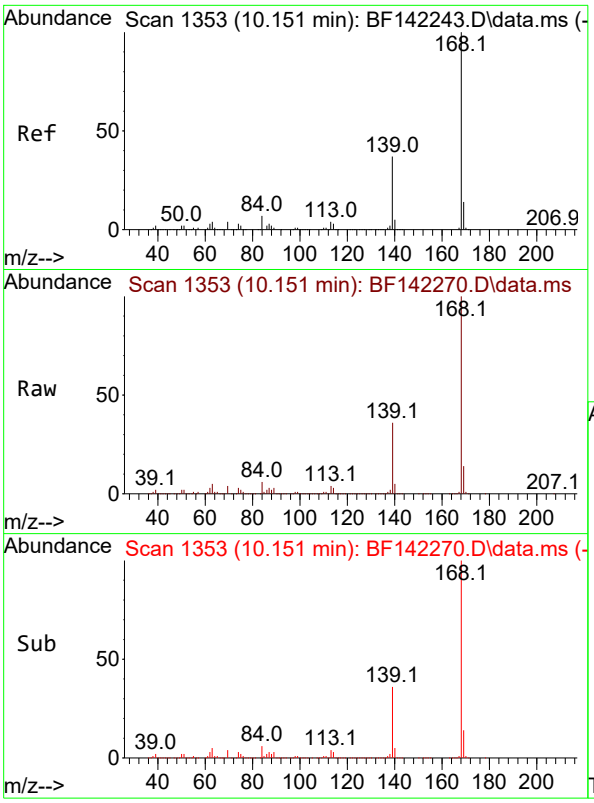


#54
2,4-Dinitrophenol
Concen: 84.371 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:184 Resp: 131189

Ion	Ratio	Lower	Upper
184	100		
63	77.1	69.2	103.8
154	187.8	271.4	407.2#

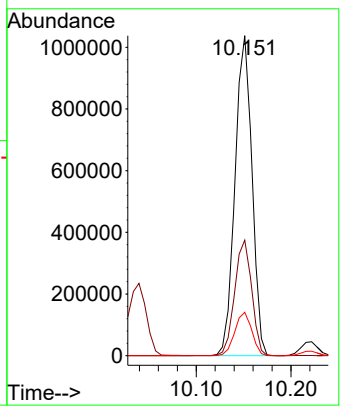




#55
Dibenzofuran
Concen: 42.922 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:168 Resp: 129021

Ion	Ratio	Lower	Upper
168	100		
139	36.1	29.4	44.0
169	13.6	11.0	16.4



Instrument :
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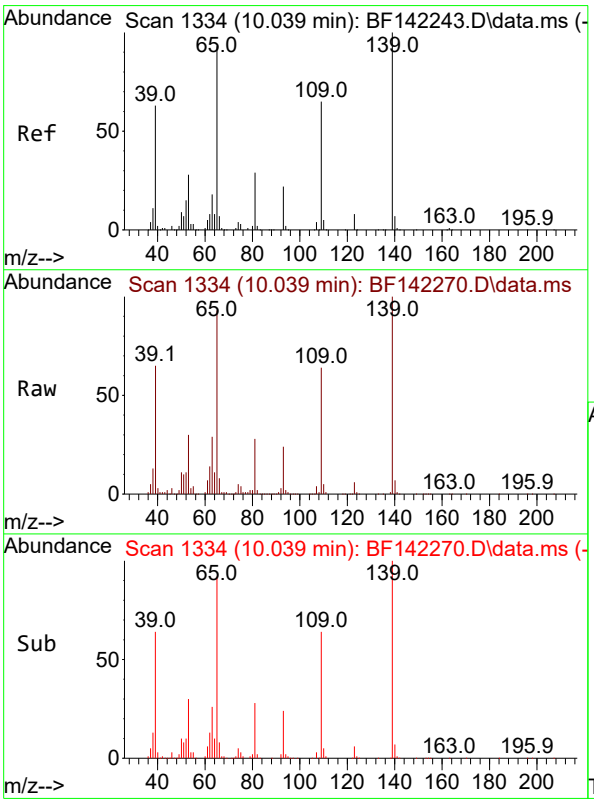
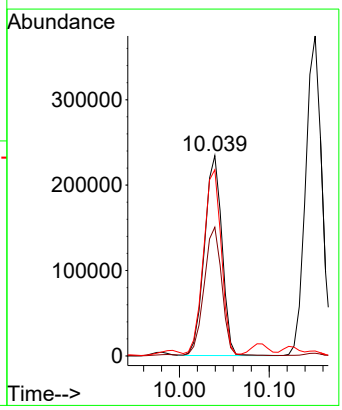
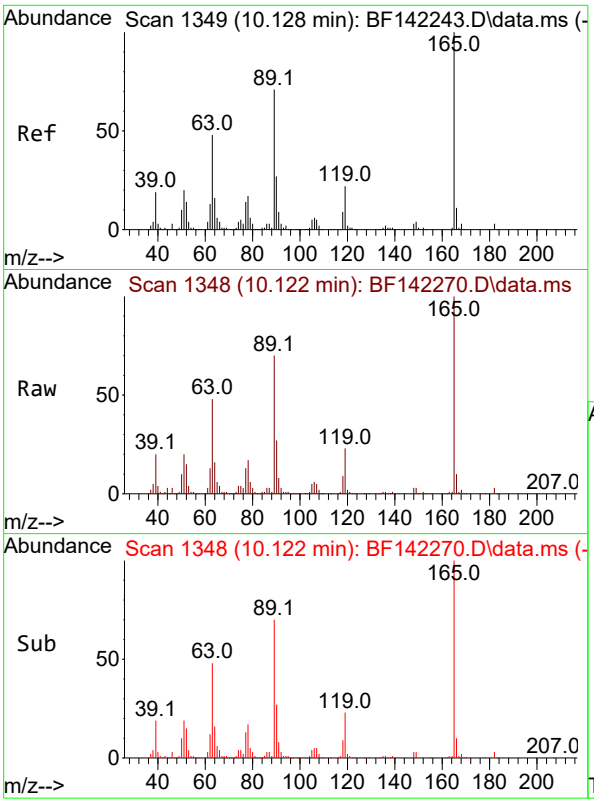


#56
4-Nitrophenol
Concen: 89.575 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:139 Resp: 316946

Ion	Ratio	Lower	Upper
139	100		
109	64.3	44.9	84.9
65	93.0	74.7	114.7

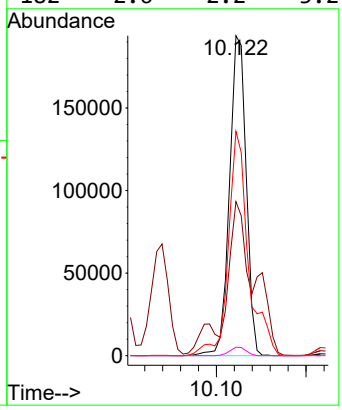




#57
2,4-Dinitrotoluene
Concen: 47.801 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:165 Resp: 24972

Ion	Ratio	Lower	Upper
165	100		
63	48.2	38.8	58.2
89	70.1	57.1	85.7
182	2.6	2.2	3.2



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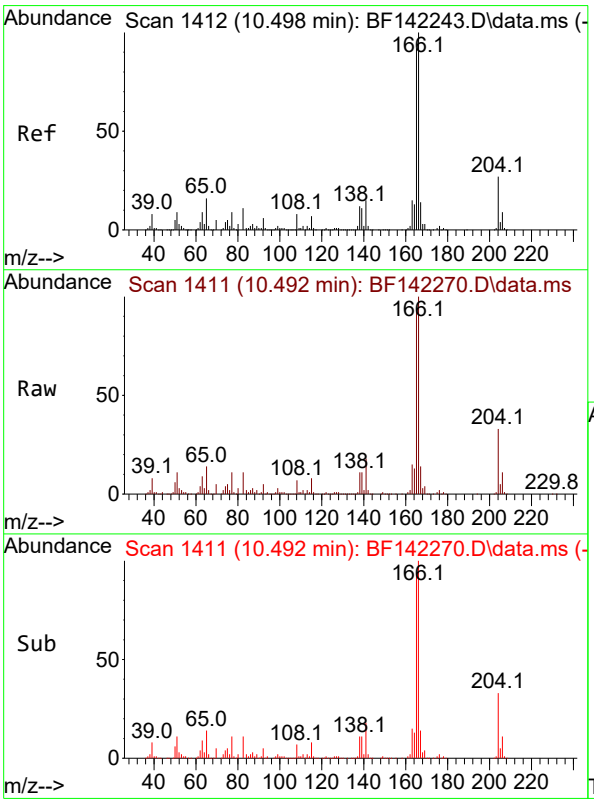
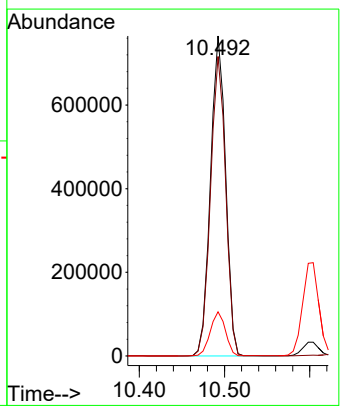
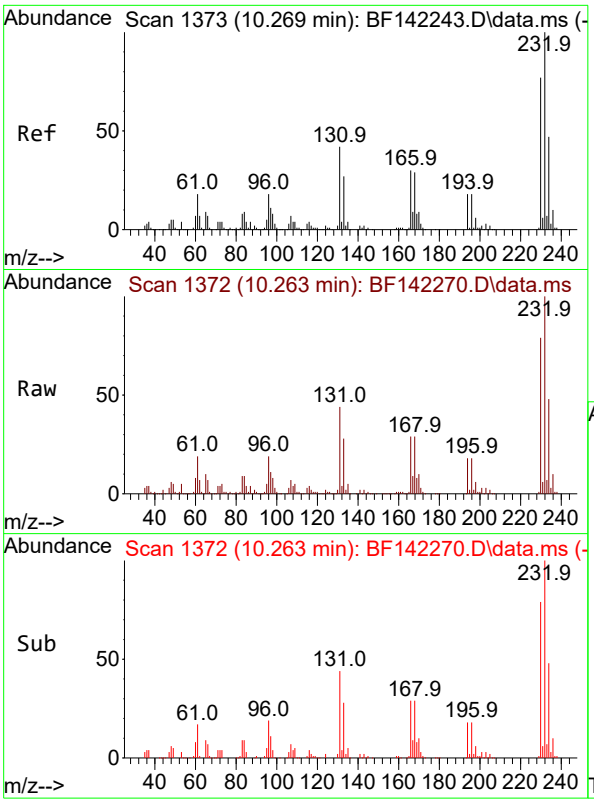


#58
Fluorene
Concen: 41.360 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:166 Resp: 945333

Ion	Ratio	Lower	Upper
166	100		
165	93.6	73.9	110.9
167	13.8	10.8	16.2

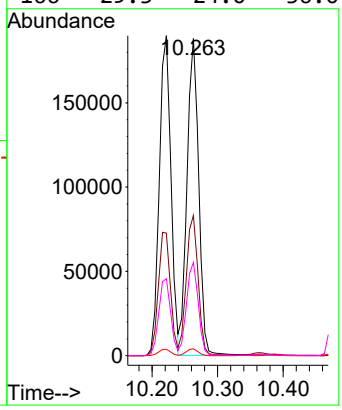




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.531 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:232 Resp: 23264

Ion	Ratio	Lower	Upper
232	100		
131	44.7	35.9	53.9
130	2.2	1.8	2.6
166	29.3	24.0	36.0



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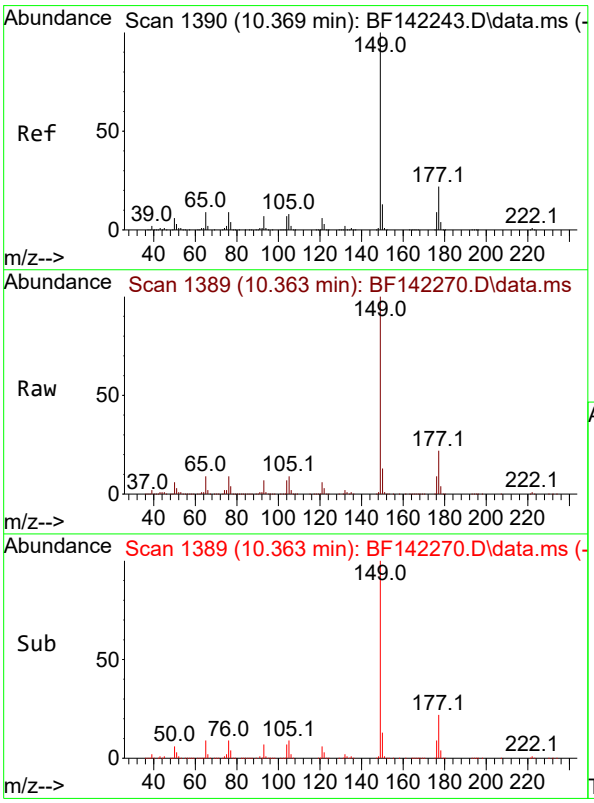
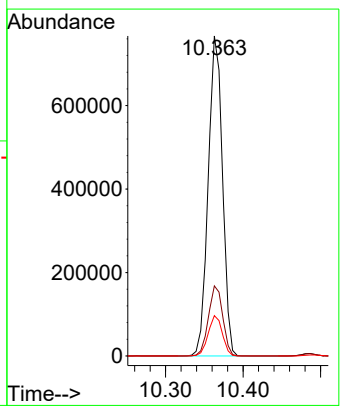
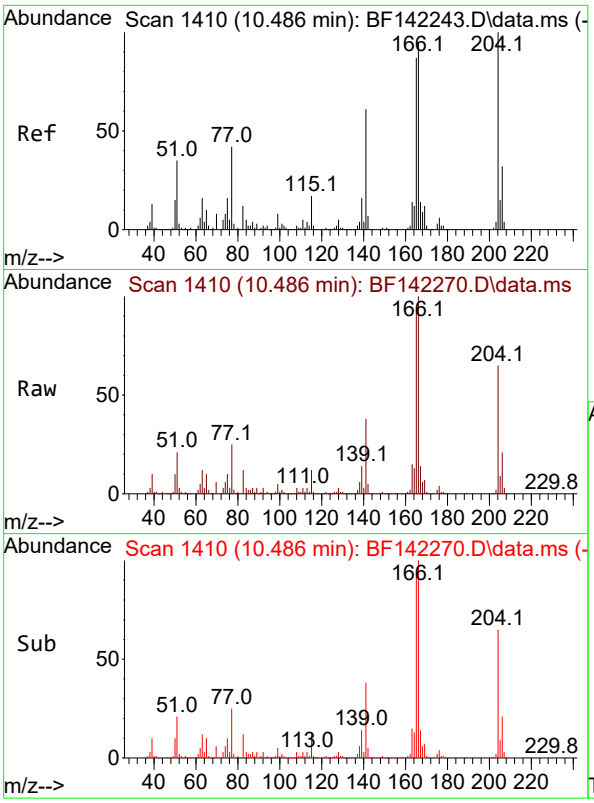


#60
Diethylphthalate
Concen: 44.125 ng
RT: 10.363 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:149 Resp: 980867

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.6	26.4
150	12.6	10.2	15.2

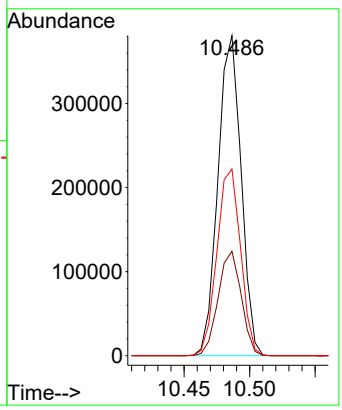




#61
4-Chlorophenyl-phenylether
Concen: 43.054 ng
RT: 10.486 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:204 Resp: 46732

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.6	38.4
141	58.4	48.9	73.3



Instrument :
BNA_F
ClientSampleId :
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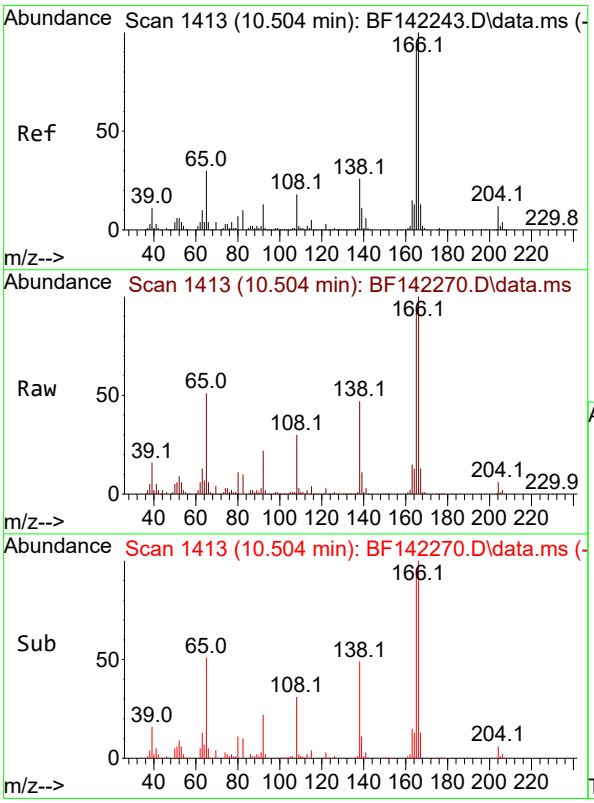
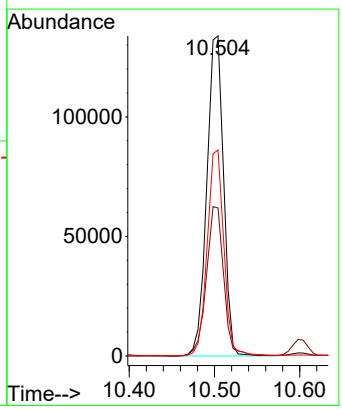
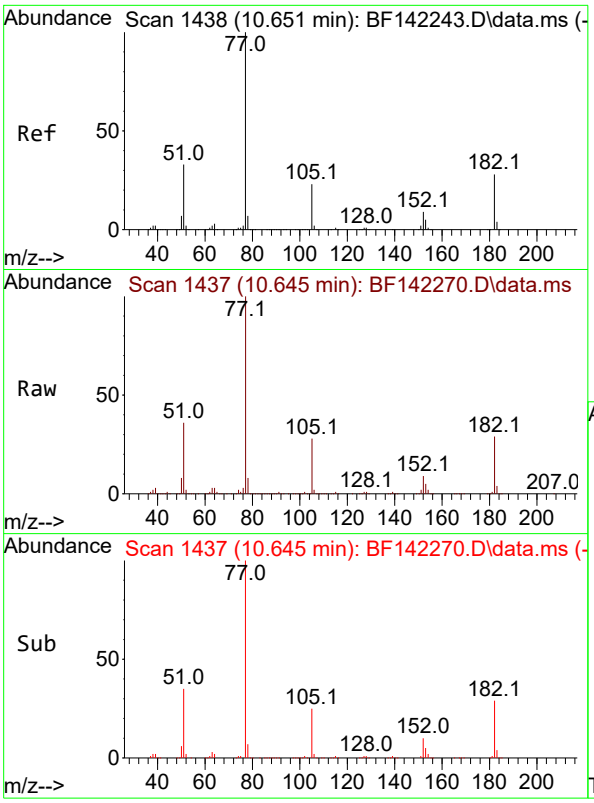


#62
4-Nitroaniline
Concen: 38.819 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:138 Resp: 182663

Ion	Ratio	Lower	Upper
138	100		
92	46.3	29.2	69.2
108	64.3	49.1	89.1

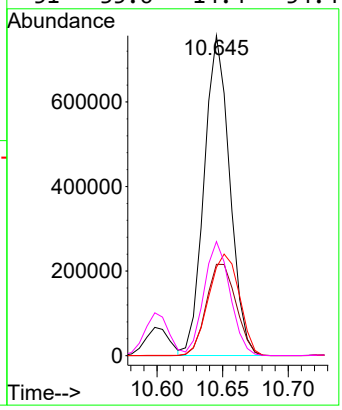




#63
Azobenzene
Concen: 46.824 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion: 77 Resp: 102783

Ion	Ratio	Lower	Upper
77	100		
182	28.6	7.3	47.3
105	27.6	2.5	42.5
51	35.6	14.4	54.4



Instrument :
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ClientSampleId :
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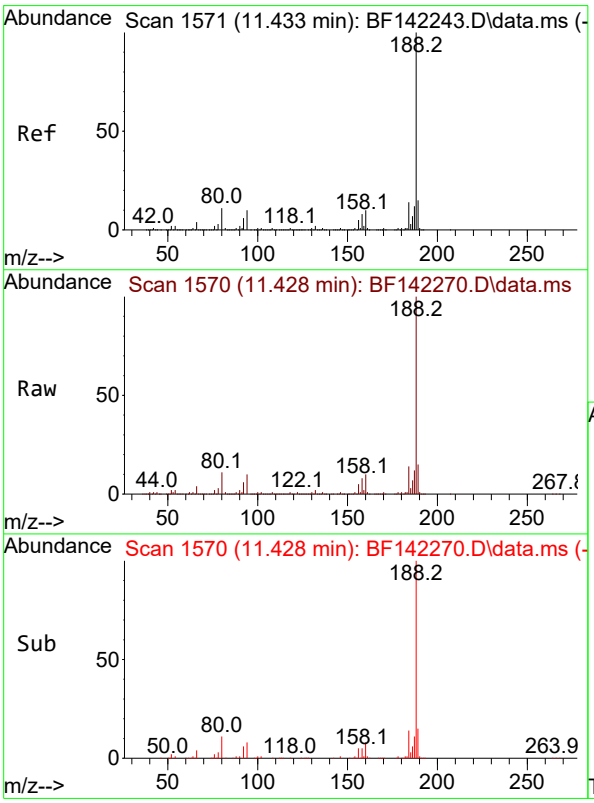
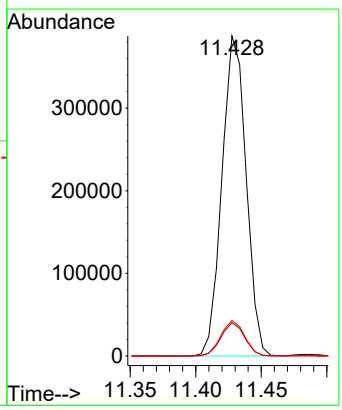
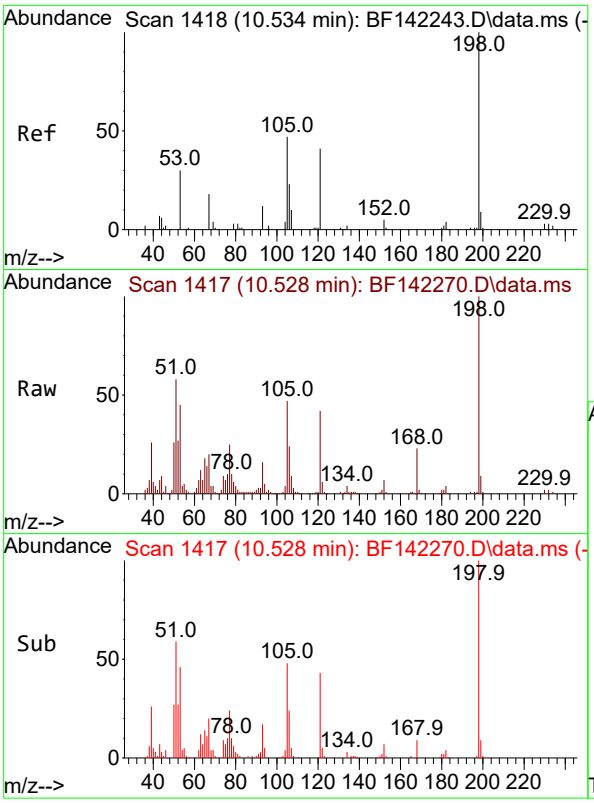


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:188 Resp: 496148

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.2	12.2
80	11.1	8.6	12.8

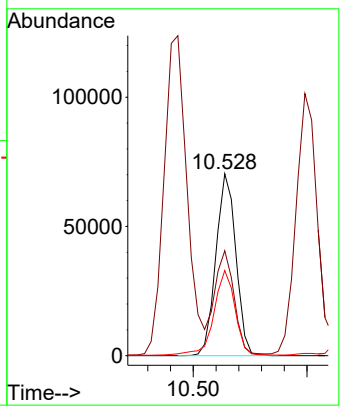




#65
4,6-Dinitro-2-methylphenol
Concen: 51.580 ng
RT: 10.528 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:198 Resp: 8596

Ion	Ratio	Lower	Upper
198	100		
51	57.7	40.6	80.6
105	46.8	29.2	69.2



Instrument :
BNA_F
ClientSampleId :
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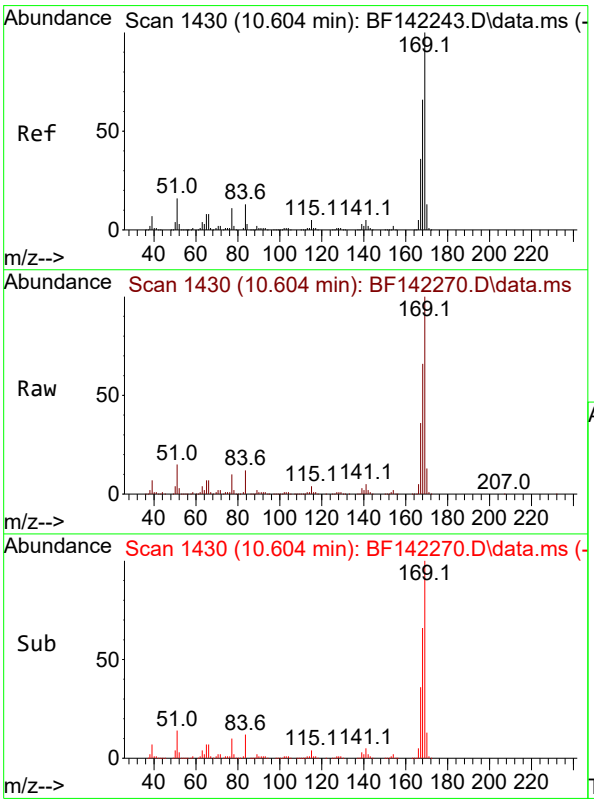
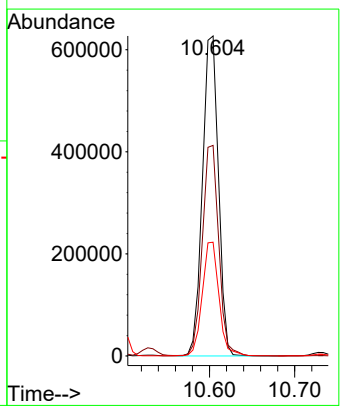
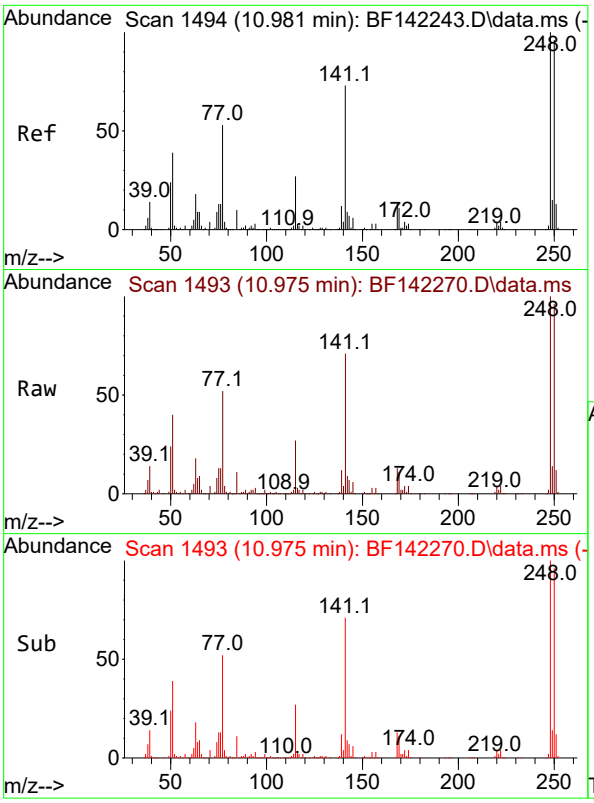


#66
n-Nitrosodiphenylamine
Concen: 48.191 ng
RT: 10.604 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:169 Resp: 816949

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.0	79.6
167	35.6	28.8	43.2

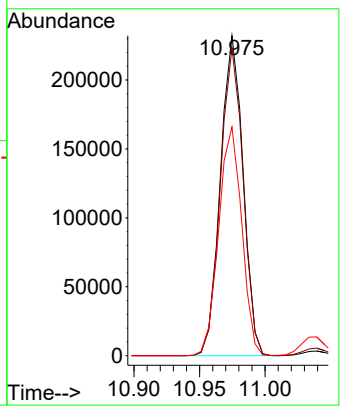




#67
4-Bromophenyl-phenylether
Concen: 50.462 ng
RT: 10.975 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:248 Resp: 27882

Ion	Ratio	Lower	Upper
248	100		
250	96.2	77.2	115.8
141	71.4	58.4	87.6



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ClientSampleId :
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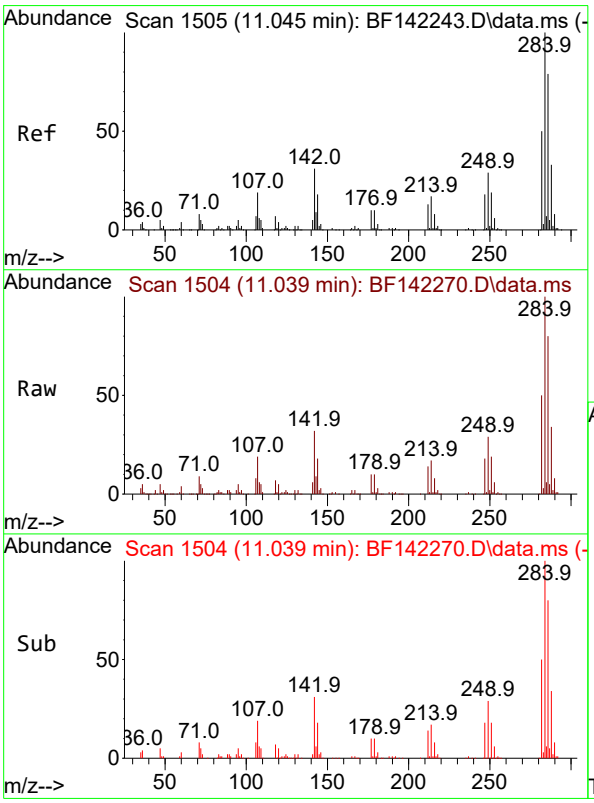
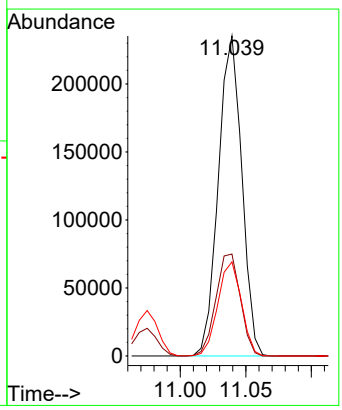
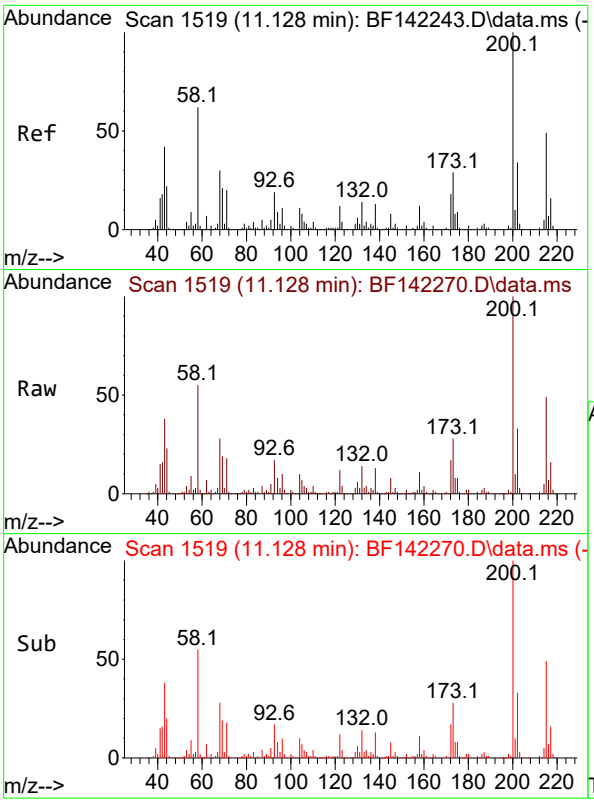


#68
Hexachlorobenzene
Concen: 47.230 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:284 Resp: 292279

Ion	Ratio	Lower	Upper
284	100		
142	31.8	24.6	37.0
249	29.4	23.2	34.8

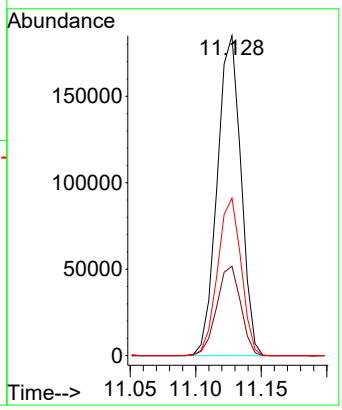




#69
Atrazine
Concen: 52.062 ng
RT: 11.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:200 Resp: 23263

Ion	Ratio	Lower	Upper
200	100		
173	28.0	8.6	48.6
215	49.3	28.5	68.5



Instrument :
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ClientSampleId :
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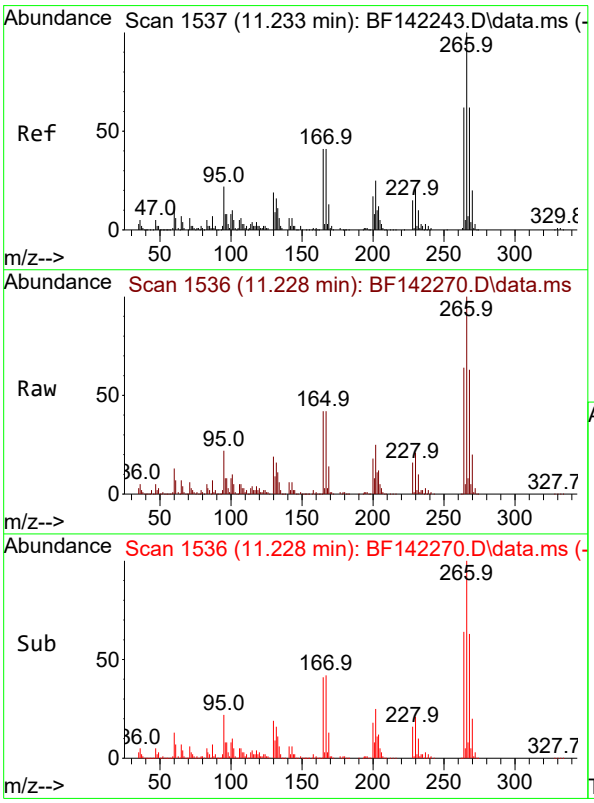
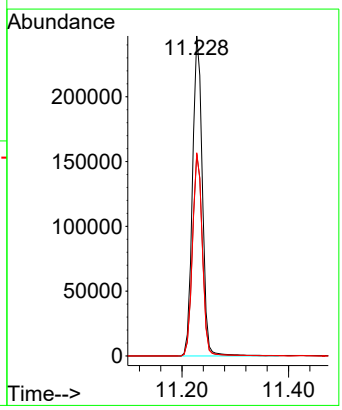
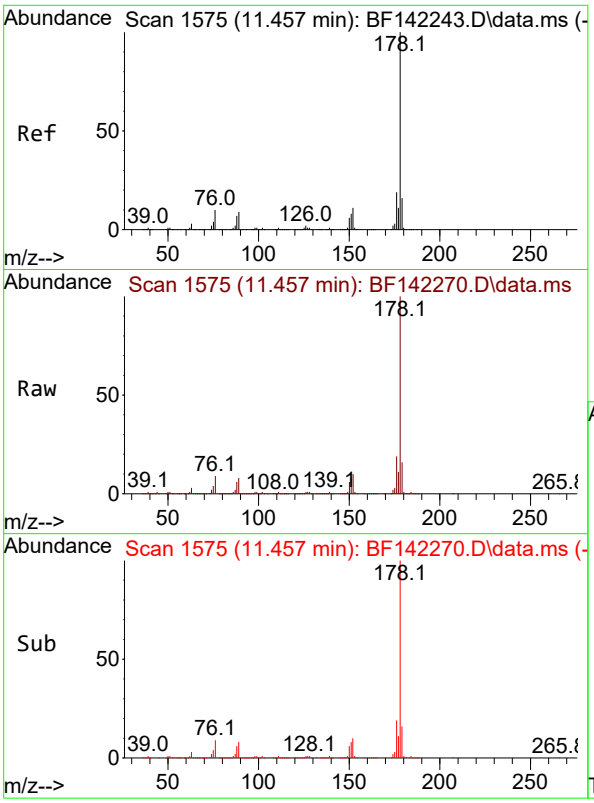


#70
Pentachlorophenol
Concen: 97.144 ng
RT: 11.228 min Scan# 1536
Delta R.T. -0.005 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:266 Resp: 317591

Ion	Ratio	Lower	Upper
266	100		
268	63.0	50.0	75.0
264	63.5	49.3	73.9

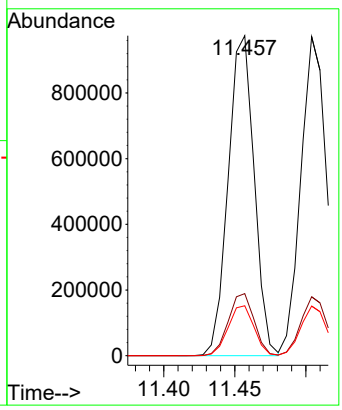




#71
Phenanthrene
Concen: 46.265 ng
RT: 11.457 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:178 Resp: 123989

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.6	12.6	19.0



Instrument :
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ClientSampleId :
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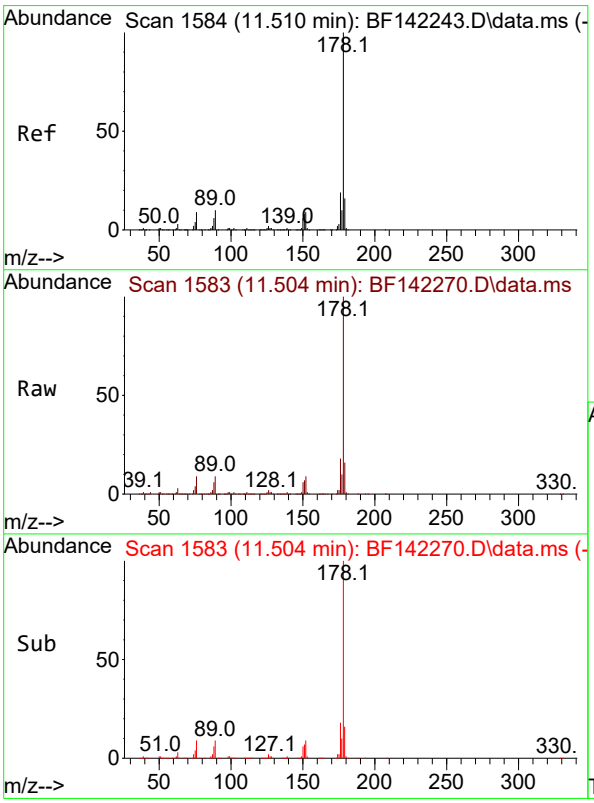
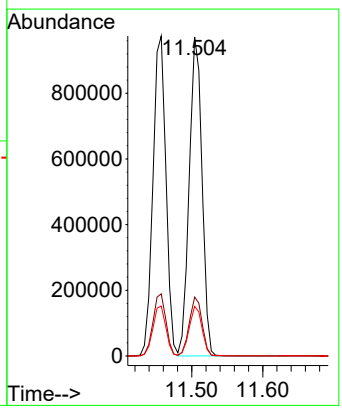
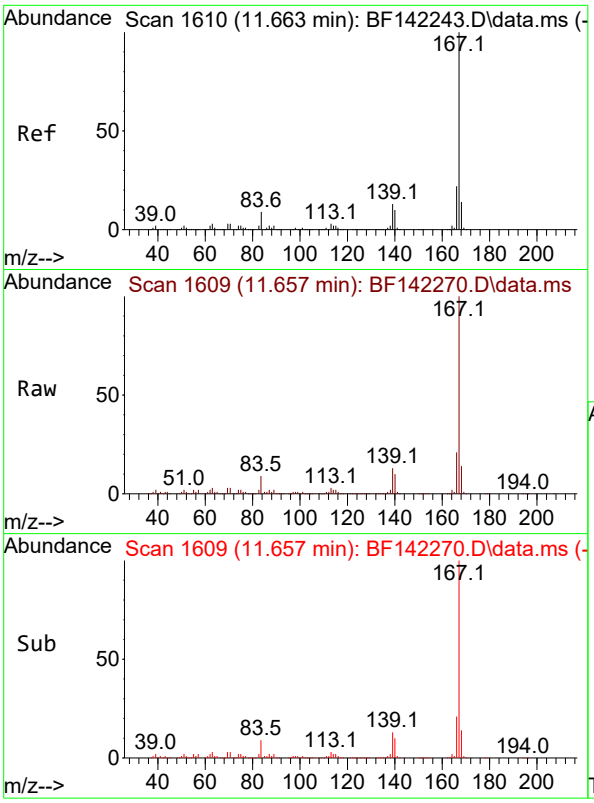


#72
Anthracene
Concen: 44.230 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:178 Resp: 1211937

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.3	22.9
179	15.6	12.7	19.1

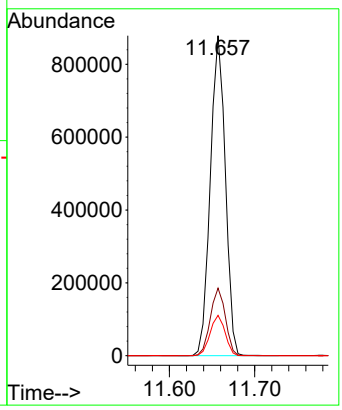




#73
Carbazole
Concen: 43.067 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:167 Resp: 107649

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.3	25.9
139	12.6	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
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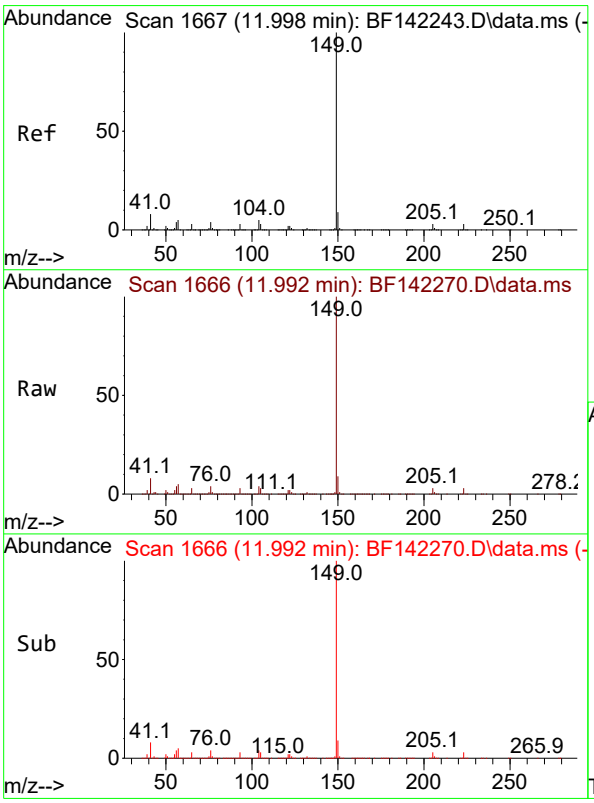
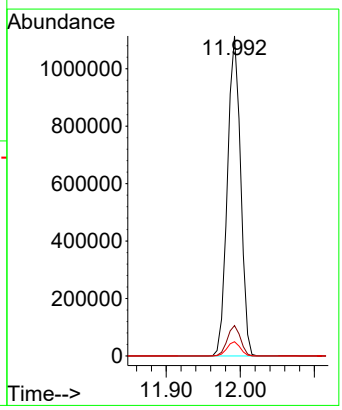
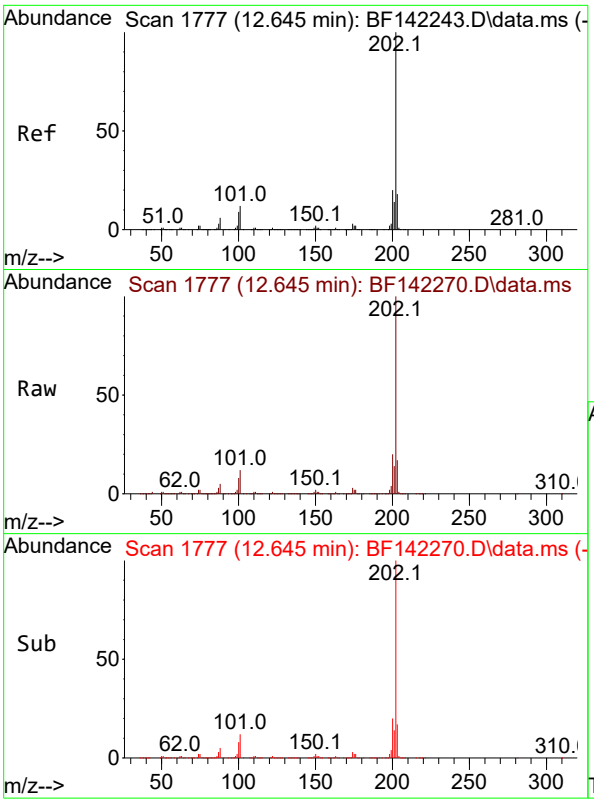


#74
Di-n-butylphthalate
Concen: 54.629 ng
RT: 11.992 min Scan# 1666
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:149 Resp: 1373313

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.5	11.3
104	4.5	3.6	5.4

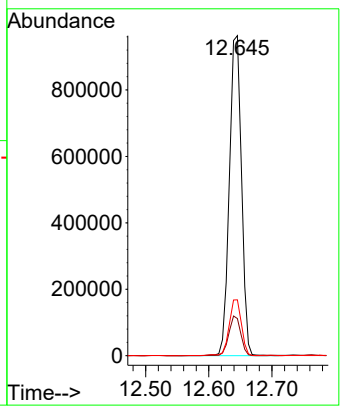




#75
Fluoranthene
Concen: 48.407 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:202 Resp: 128240

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	32.4
203	17.5	0.0	37.5



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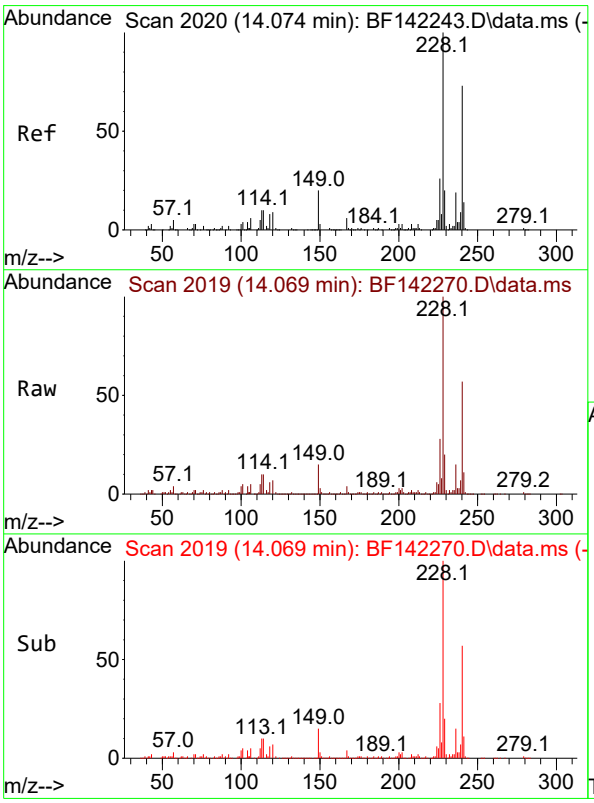
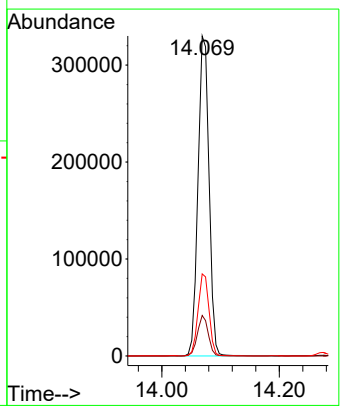
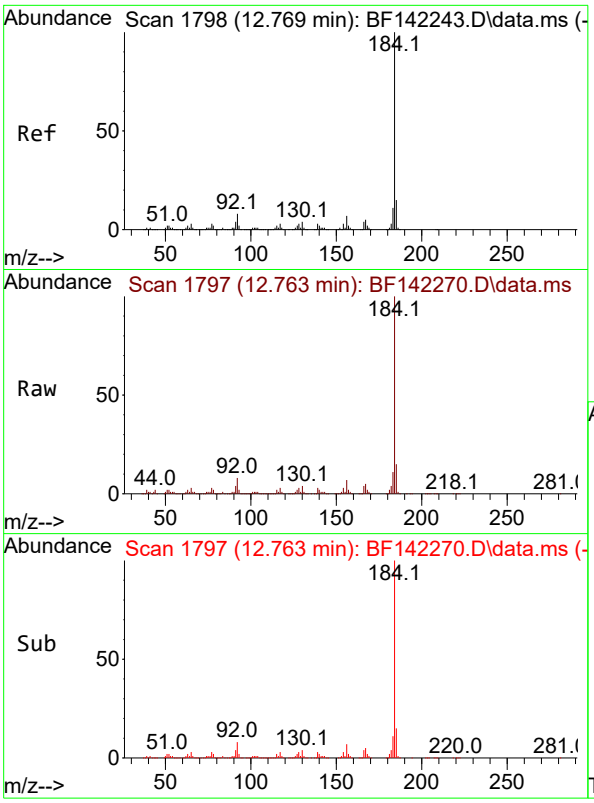


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:240 Resp: 429879

Ion	Ratio	Lower	Upper
240	100		
120	12.6	10.1	15.1
236	25.6	20.5	30.7

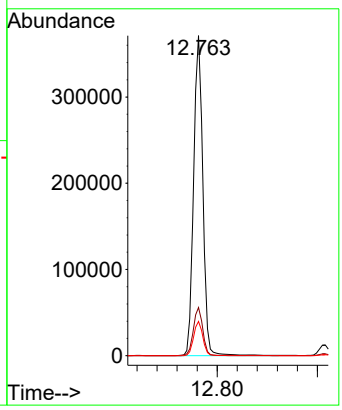




#77
Benzidine
Concen: 25.867 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:184 Resp: 47249

Ion	Ratio	Lower	Upper
184	100		
185	15.1	11.8	17.6
183	10.7	8.9	13.3



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ClientSampleId :
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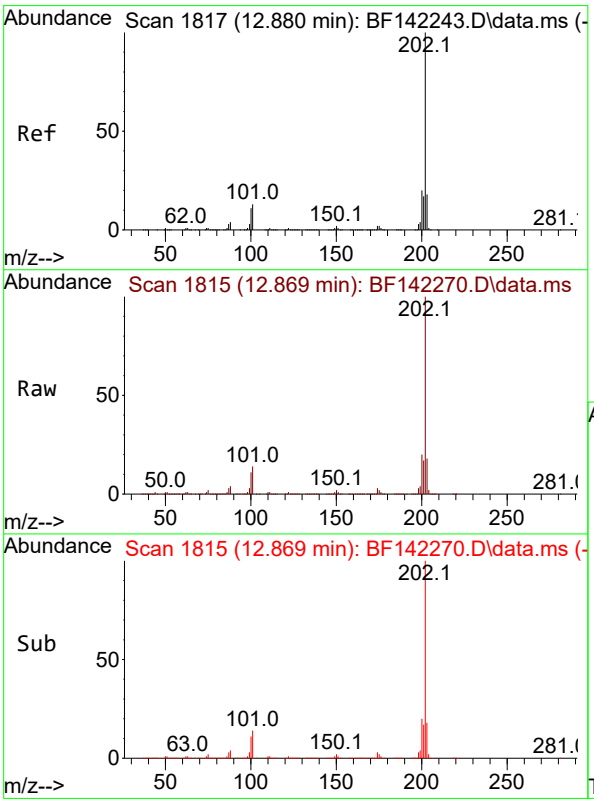
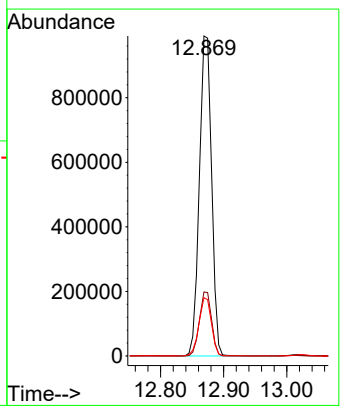
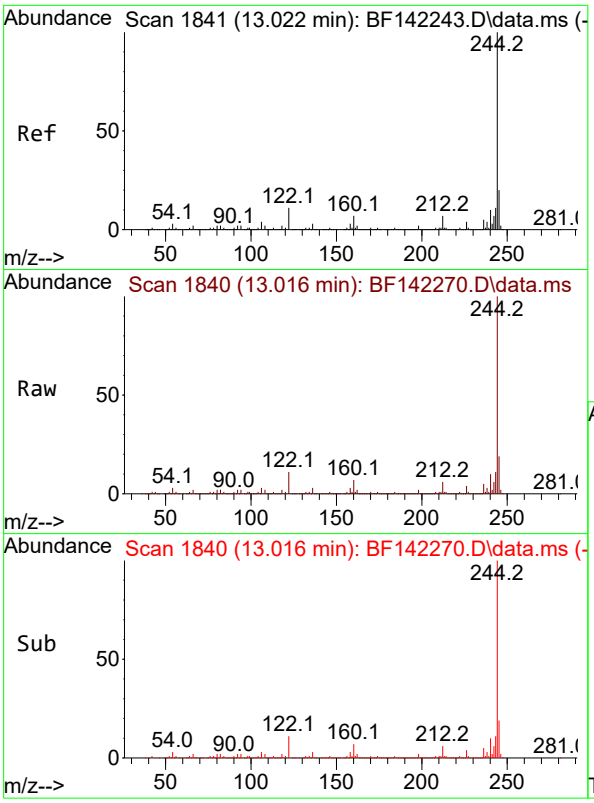


#78
Pyrene
Concen: 33.599 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.012 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:202 Resp: 1332351

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.1	24.1
203	18.2	14.1	21.1

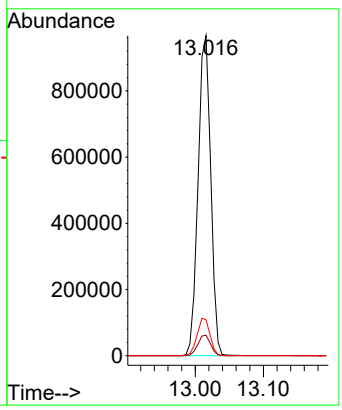




#79
Terphenyl-d14
Concen: 42.105 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:244 Resp: 124450

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.3	7.9
122	11.3	9.1	13.7



Instrument :
BNA_F
ClientSampleId :
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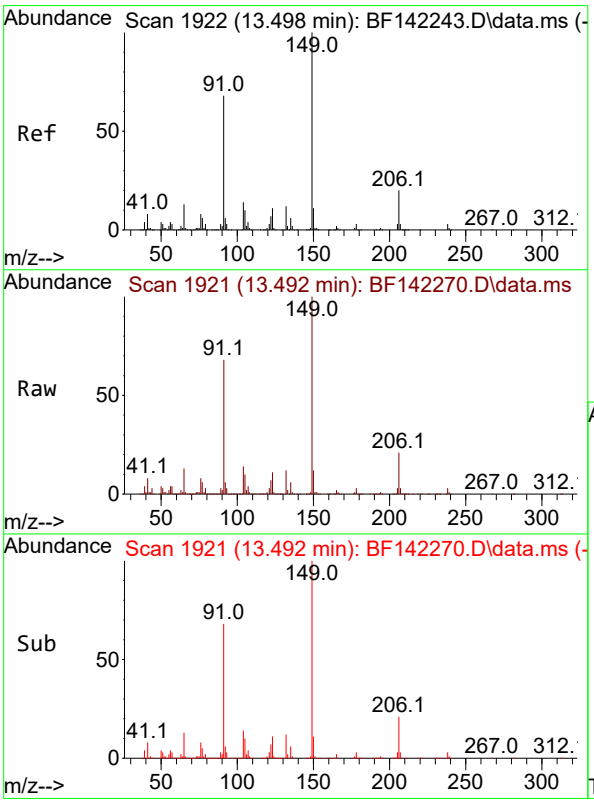
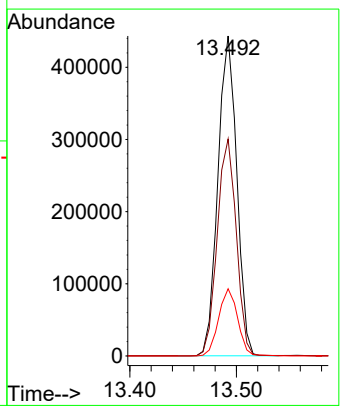
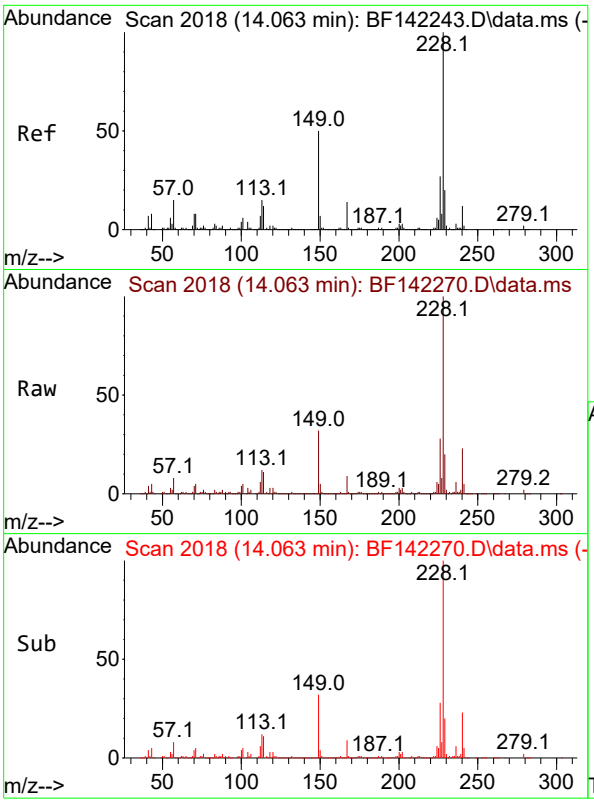


#80
Butylbenzylphthalate
Concen: 50.031 ng
RT: 13.492 min Scan# 1921
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:149 Resp: 544307

Ion	Ratio	Lower	Upper
149	100		
91	67.8	54.4	81.6
206	21.0	15.9	23.9

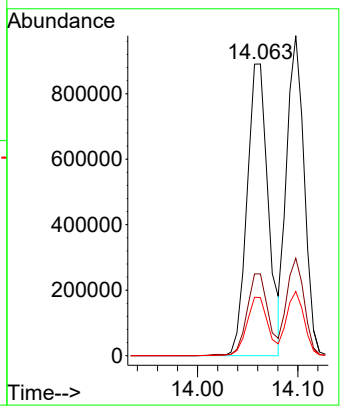




#81
Benzo(a)anthracene
Concen: 45.428 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:228 Resp: 131099

Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.9	32.9
229	19.9	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
B-167-SB01MSD

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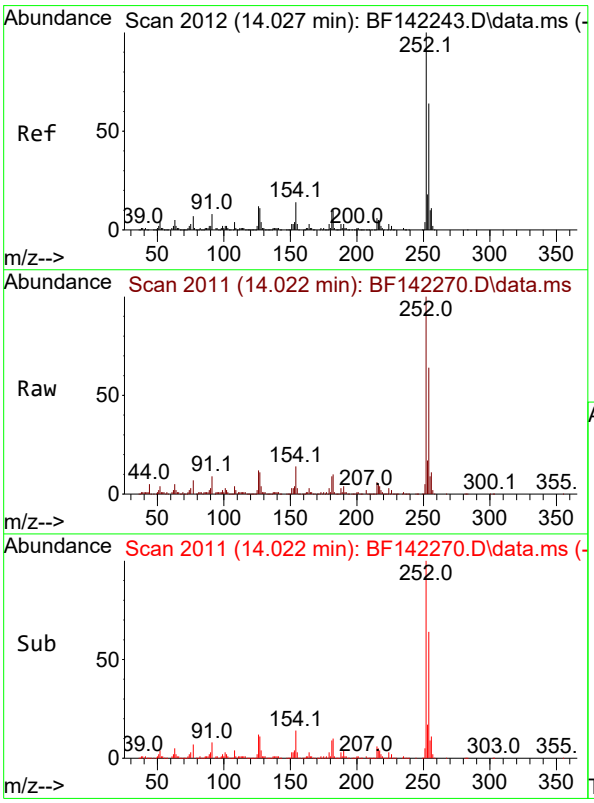
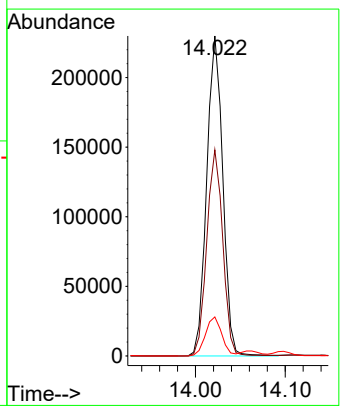
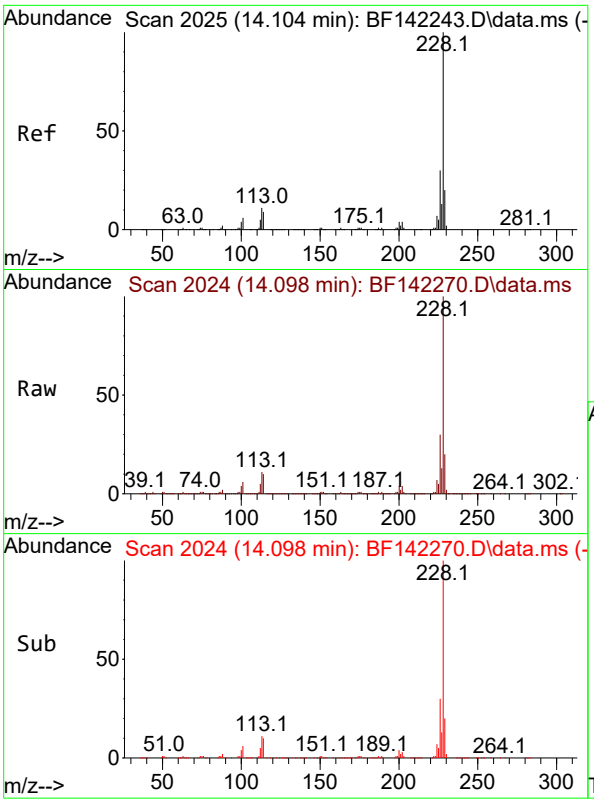


#82
3,3'-Dichlorobenzidine
Concen: 33.727 ng
RT: 14.022 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:252 Resp: 285891

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.0	76.6
126	12.2	9.4	14.2

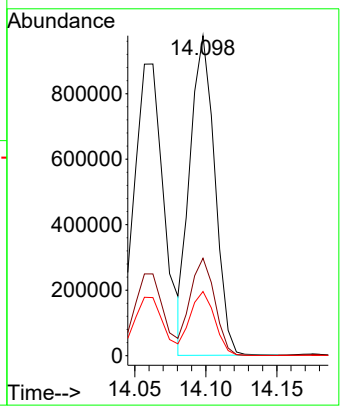




#83
Chrysene
Concen: 45.008 ng
RT: 14.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:228 Resp: 118232

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.0	36.0
229	20.0	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
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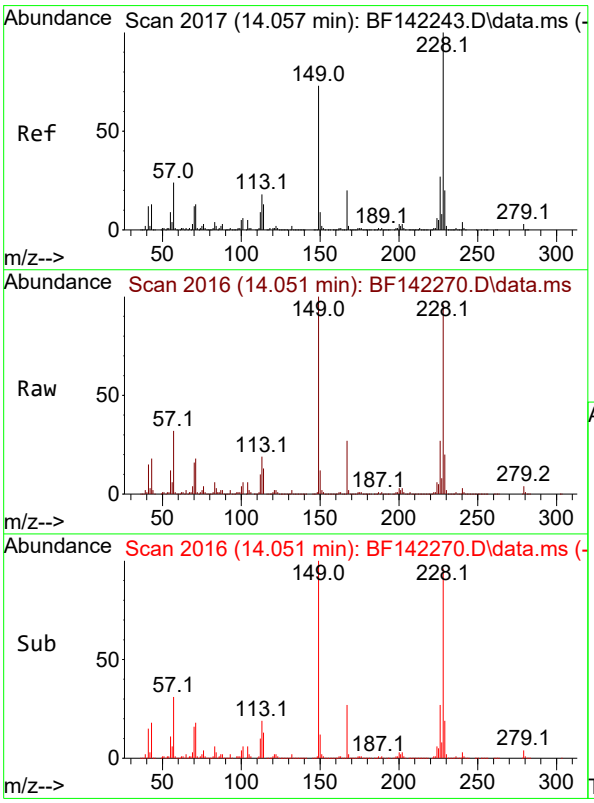
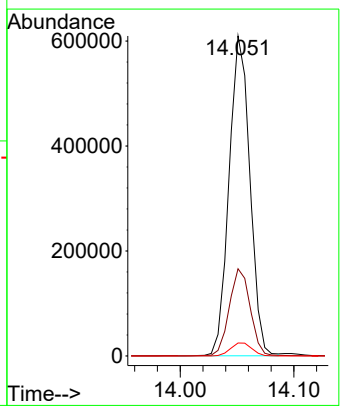
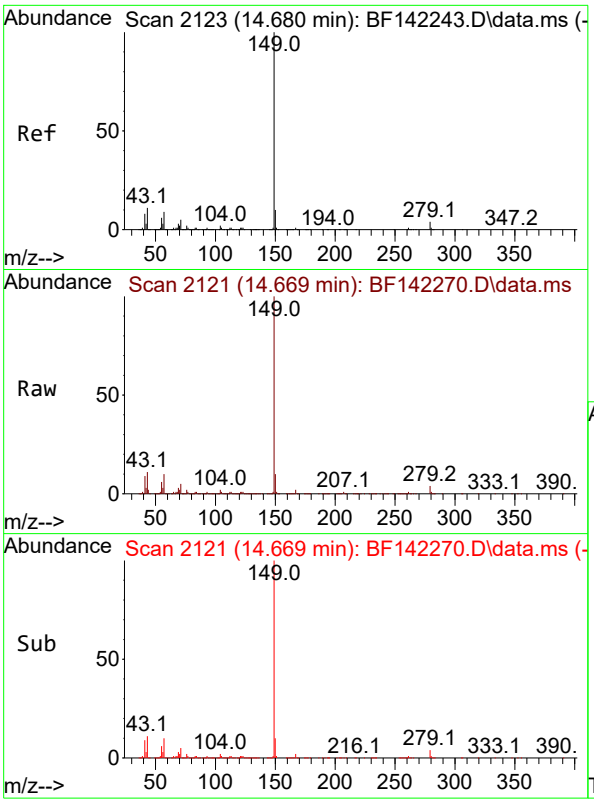


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.320 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:149 Resp: 774590

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.7	32.5
279	4.1	3.0	4.4

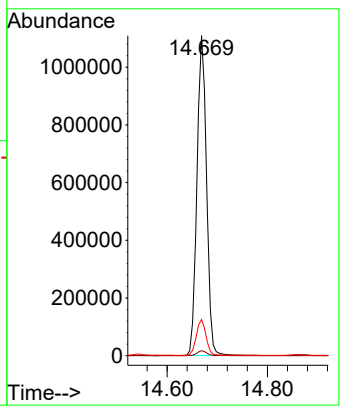




#85
Di-n-octyl phthalate
Concen: 52.643 ng
RT: 14.669 min Scan# 21
Delta R.T. -0.011 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:149 Resp: 146774

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.1	1.7#
43	11.2	9.3	13.9



Instrument :
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ClientSampleId :
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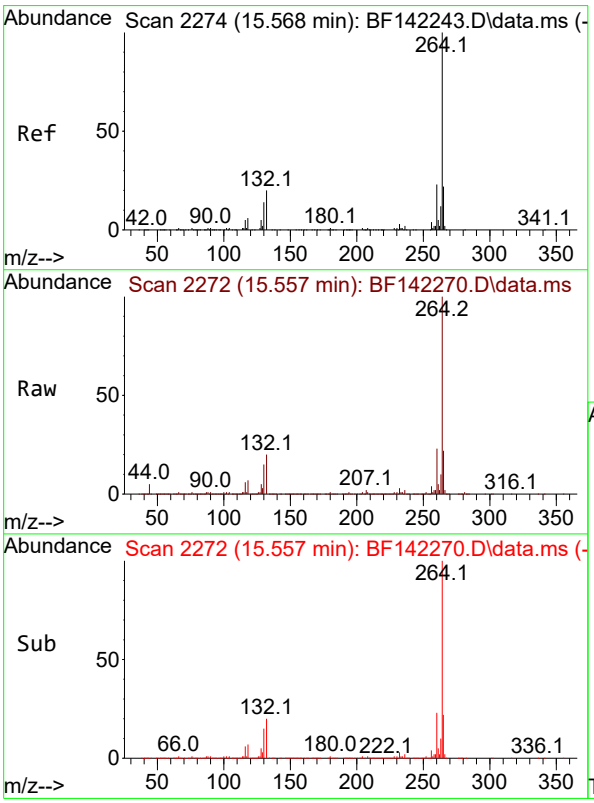
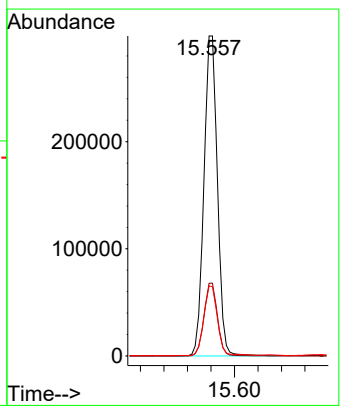
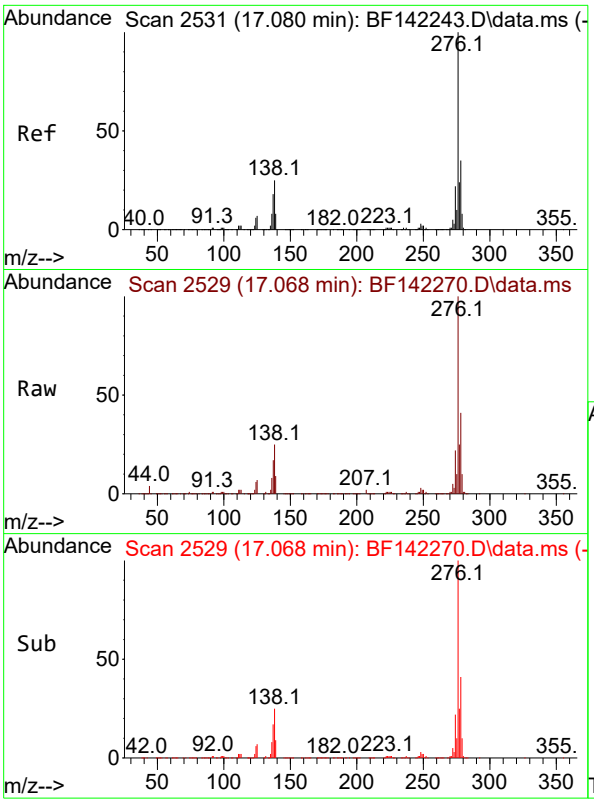


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:264 Resp: 473333

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.4	27.6
265	21.9	17.3	25.9

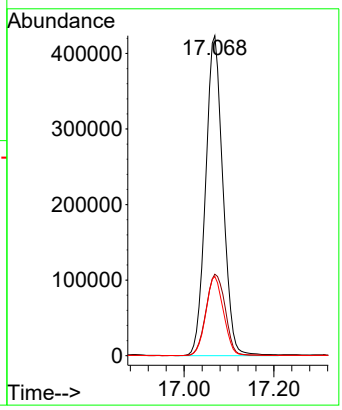




#87
Indeno(1,2,3-cd)pyrene
Concen: 32.760 ng
RT: 17.068 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:276 Resp: 113580

Ion	Ratio	Lower	Upper
276	100		
138	28.4	22.6	33.8
277	25.5	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
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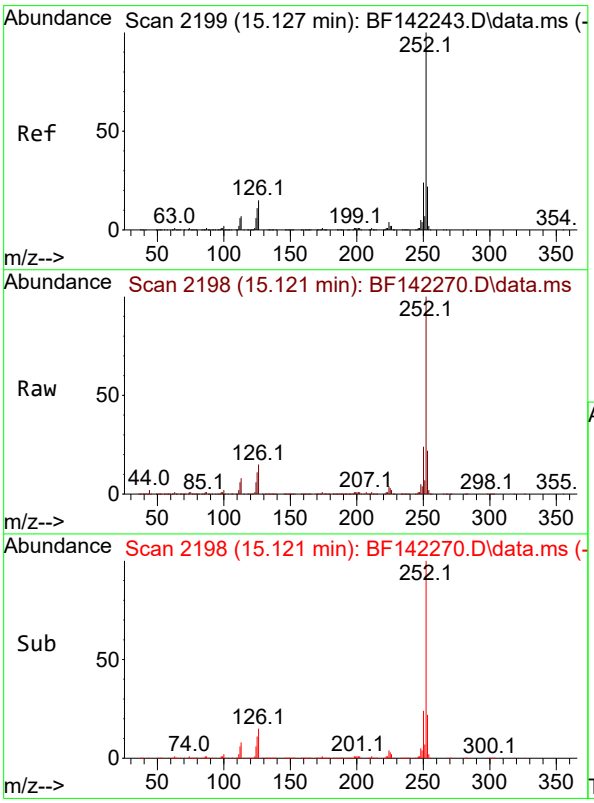
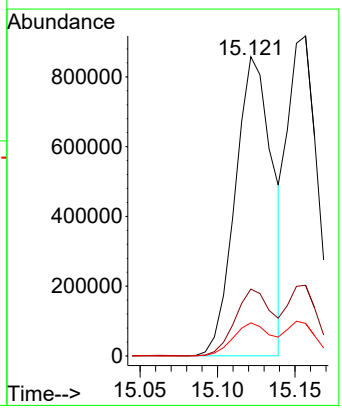
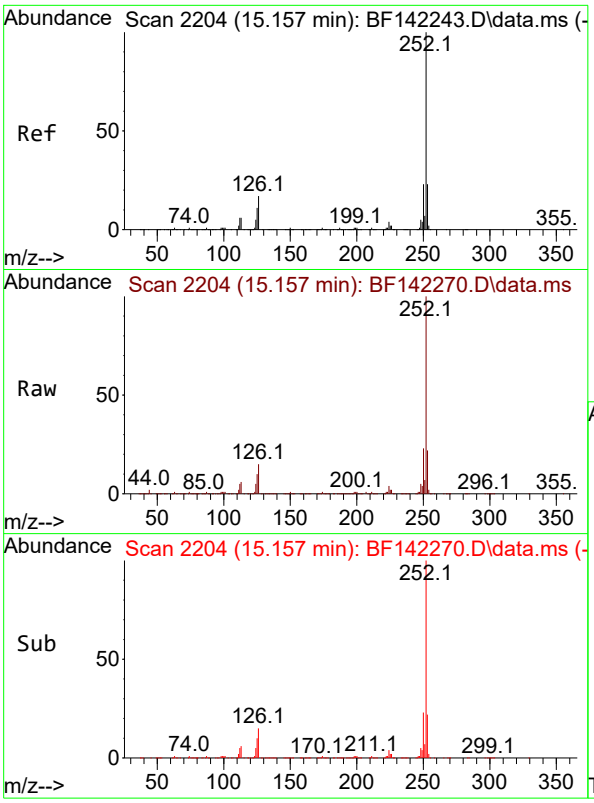


#88
Benzo(b)fluoranthene
Concen: 48.634 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:252 Resp: 1429910

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	11.1	9.0	13.4

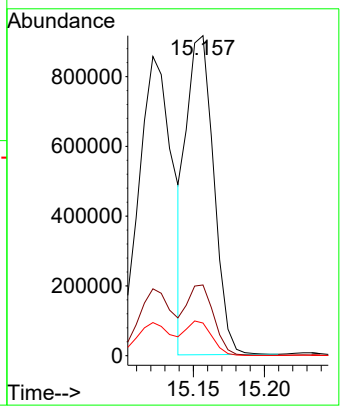




#89
Benzo(k)fluoranthene
Concen: 45.297 ng
RT: 15.157 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:252 Resp: 121815

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	10.2	9.0	13.6



Instrument :
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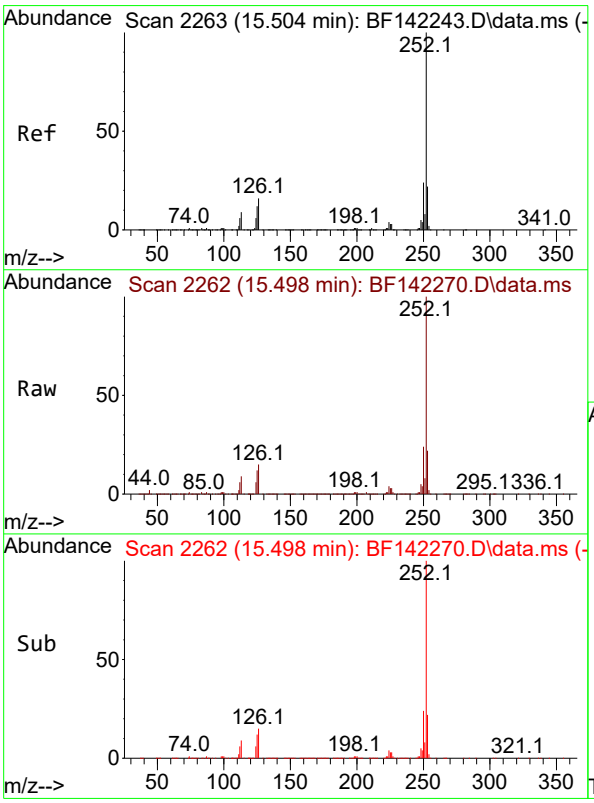
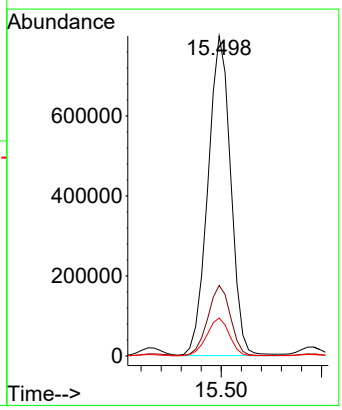
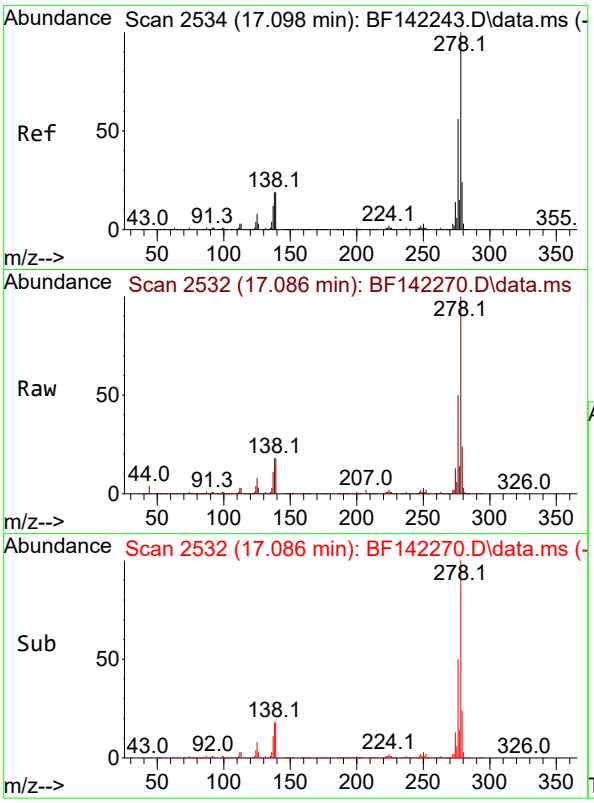


#90
Benzo(a)pyrene
Concen: 46.890 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.006 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:252 Resp: 1262185

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	11.8	9.5	14.3

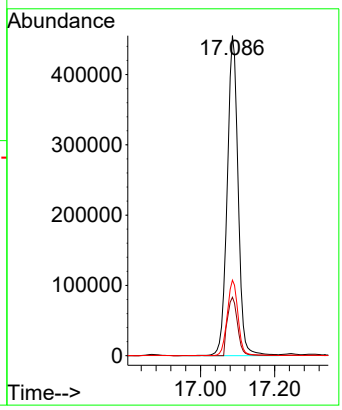




#91
Dibenzo(a,h)anthracene
Concen: 33.147 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:278 Resp: 93271

Ion	Ratio	Lower	Upper
278	100		
139	18.2	15.2	22.8
279	23.6	19.0	28.6



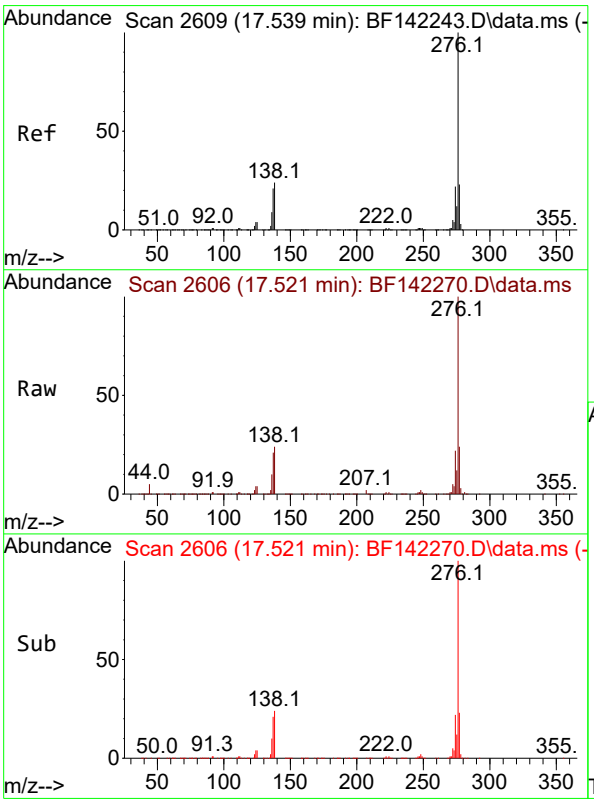
Instrument :
BNA_F
ClientSampleId :
B-167-SB01MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

05/02/2025
Supervised By :Jagrut Upadhyay

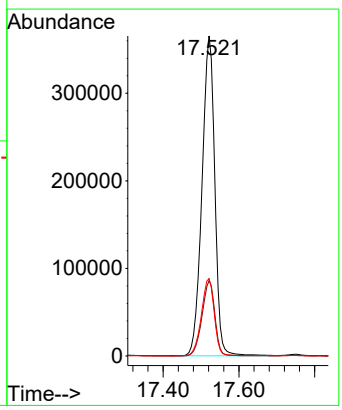
05/02/2025



#92
Benzo(g,h,i)perylene
Concen: 30.277 ng
RT: 17.521 min Scan# 2606
Delta R.T. -0.018 min
Lab File: BF142270.D
Acq: 01 May 2025 19:52

Tgt Ion:276 Resp: 856464

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.7	28.1
138	24.2	19.4	29.0



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Manual Integration Report

Sequence:	BF043025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF142240.D	2,3,4,6-Tetrachlorophenol	Rahul	5/1/2025 11:26:17 AM	Jagrut	5/1/2025 1:17:43 PM	Peak Integrated by Software
SSTDICC020	BF142242.D	Benzoic acid	Rahul	5/1/2025 11:26:23 AM	Jagrut	5/1/2025 1:17:45 PM	Peak Integrated by Software
SSTDICCC040	BF142243.D	Benzoic acid	Rahul	5/1/2025 11:26:25 AM	Jagrut	5/1/2025 1:17:48 PM	Peak Integrated by Software
SSTDICC050	BF142244.D	Phenol	Rahul	5/1/2025 11:26:27 AM	Jagrut	5/1/2025 1:17:50 PM	Peak Integrated by Software
SSTDICC060	BF142245.D	Phenol	Rahul	5/1/2025 11:26:30 AM	Jagrut	5/1/2025 1:17:52 PM	Peak Integrated by Software
SSTDICC080	BF142246.D	Benzoic acid	Rahul	5/1/2025 11:26:33 AM	Jagrut	5/1/2025 1:17:55 PM	Peak Integrated by Software
SSTDICC080	BF142246.D	Phenol	Rahul	5/1/2025 11:26:33 AM	Jagrut	5/1/2025 1:17:55 PM	Peak Integrated by Software
SSTDICV040	BF142247.D	Benzoic acid	Rahul	5/1/2025 11:26:36 AM	Jagrut	5/1/2025 1:17:57 PM	Peak Integrated by Software
SSTDICV040	BF142247.D	Phenol	Rahul	5/1/2025 11:26:36 AM	Jagrut	5/1/2025 1:17:57 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf050125	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF142250.D	Benzoic acid	Rahul	5/2/2025 10:45:14 AM	Jagrut	5/2/2025 4:47:49 PM	Peak Integrated by Software
SSTDCCC040	BF142250.D	Phenol	Rahul	5/2/2025 10:45:14 AM	Jagrut	5/2/2025 4:47:49 PM	Peak Integrated by Software
PB167798BS	BF142252.D	Benzoic acid	Rahul	5/2/2025 10:45:18 AM	Jagrut	5/2/2025 4:47:51 PM	Peak Integrated by Software
PB167798BS	BF142252.D	Caprolactam	Rahul	5/2/2025 10:45:18 AM	Jagrut	5/2/2025 4:47:51 PM	Peak Integrated by Software
PB167798BS	BF142252.D	Phenol	Rahul	5/2/2025 10:45:18 AM	Jagrut	5/2/2025 4:47:51 PM	Peak Integrated by Software
PB167798BSD	BF142253.D	Benzoic acid	Rahul	5/2/2025 10:45:22 AM	Jagrut	5/2/2025 4:47:54 PM	Peak Integrated by Software
PB167798BSD	BF142253.D	Caprolactam	Rahul	5/2/2025 10:45:22 AM	Jagrut	5/2/2025 4:47:54 PM	Peak Integrated by Software
PB167798BSD	BF142253.D	Phenol	Rahul	5/2/2025 10:45:22 AM	Jagrut	5/2/2025 4:47:54 PM	Peak Integrated by Software
Q1901-02	BF142268.D	Benzo(b)fluoranthene	Rahul	5/2/2025 10:45:30 AM	Jagrut	5/2/2025 4:48:02 PM	Peak Integrated by Software
Q1901-02MS	BF142269.D	Caprolactam	Rahul	5/2/2025 10:45:34 AM	Jagrut	5/2/2025 4:48:05 PM	Peak Integrated by Software
Q1901-02MS	BF142269.D	Phenol	Rahul	5/2/2025 10:45:34 AM	Jagrut	5/2/2025 4:48:05 PM	Peak Integrated by Software
Q1901-02MSD	BF142270.D	Caprolactam	Rahul	5/2/2025 10:45:38 AM	Jagrut	5/2/2025 4:48:13 PM	Peak Integrated by Software
Q1901-02MSD	BF142270.D	Phenol	Rahul	5/2/2025 10:45:38 AM	Jagrut	5/2/2025 4:48:13 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf050125	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	BM042825	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BM050025.D	4-Nitroaniline	Rahul	4/29/2025 8:55:04 AM	Jagrut	4/29/2025 11:57:10 AM	Peak Integrated by Software
SSTDICC005	BM050025.D	Benzaldehyde	Rahul	4/29/2025 8:55:04 AM	Jagrut	4/29/2025 11:57:10 AM	Peak Integrated by Software
SSTDICC005	BM050025.D	Benzo(k)fluoranthene	Rahul	4/29/2025 8:55:04 AM	Jagrut	4/29/2025 11:57:10 AM	Peak Integrated by Software
SSTDICC005	BM050025.D	Caprolactam	Rahul	4/29/2025 8:55:04 AM	Jagrut	4/29/2025 11:57:10 AM	Peak Integrated by Software
SSTDICC010	BM050026.D	4-Nitroaniline	Rahul	4/29/2025 8:55:07 AM	Jagrut	4/29/2025 11:57:13 AM	Peak Integrated by Software
SSTDICC010	BM050026.D	Benzaldehyde	Rahul	4/29/2025 8:55:07 AM	Jagrut	4/29/2025 11:57:13 AM	Peak Integrated by Software
SSTDICC010	BM050026.D	Benzoic acid	Rahul	4/29/2025 8:55:07 AM	Jagrut	4/29/2025 11:57:13 AM	Peak Integrated by Software
SSTDICC020	BM050027.D	Benzoic acid	Rahul	4/29/2025 8:55:10 AM	Jagrut	4/29/2025 11:57:15 AM	Peak Integrated by Software
SSTDICV040	BM050032.D	Benzaldehyde	Rahul	4/29/2025 8:55:13 AM	Jagrut	4/29/2025 11:57:18 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bm050125	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1901-03	BM050074.D	Benzo(k)fluoranthene	Rahul	5/2/2025 10:54:03 AM	Jagrut	5/2/2025 4:56:48 PM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF043025

Review By	Rahul	Review On	5/1/2025 1:20:20 PM		
Supervise By	Jagrut	Supervise On	5/1/2025 1:23:08 PM		
SubDirectory	BF043025	HP Acquire Method	BNA_F	HP Processing Method	BF043025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142238.D	30 Apr 2025 10:55	RC/JU	Ok
2	SSTDICC2.5	BF142239.D	30 Apr 2025 11:24	RC/JU	Ok
3	SSTDICC005	BF142240.D	30 Apr 2025 11:52	RC/JU	Ok,M
4	SSTDICC010	BF142241.D	30 Apr 2025 12:20	RC/JU	Ok
5	SSTDICC020	BF142242.D	30 Apr 2025 12:49	RC/JU	Ok,M
6	SSTDICCC040	BF142243.D	30 Apr 2025 13:17	RC/JU	Ok,M
7	SSTDICC050	BF142244.D	30 Apr 2025 13:46	RC/JU	Ok,M
8	SSTDICC060	BF142245.D	30 Apr 2025 14:15	RC/JU	Ok,M
9	SSTDICC080	BF142246.D	30 Apr 2025 14:43	RC/JU	Ok,M
10	SSTDICV040	BF142247.D	30 Apr 2025 16:17	RC/JU	Ok,M
11	PB167726BL	BF142248.D	30 Apr 2025 17:15	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF050125

Review By	Rahul	Review On	5/2/2025 10:46:38 AM				
Supervise By	Jagrut	Supervise On	5/2/2025 4:49:12 PM				
SubDirectory	BF050125	HP Acquire Method	BNA_F		HP Processing Method	BF043025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142249.D	01 May 2025 09:48	RC/JU	Ok
2	SSTDCCC040	BF142250.D	01 May 2025 10:17	RC/JU	Ok,M
3	PB167798BL	BF142251.D	01 May 2025 10:45	RC/JU	Ok
4	PB167798BS	BF142252.D	01 May 2025 11:13	RC/JU	Ok,M
5	PB167798BSD	BF142253.D	01 May 2025 11:42	RC/JU	Ok,M
6	PB167810BL	BF142254.D	01 May 2025 12:10	RC/JU	Ok
7	PB167810BS	BF142255.D	01 May 2025 12:39	RC/JU	Ok,M
8	PB167774TB	BF142256.D	01 May 2025 13:07	RC/JU	Ok
9	Q1890-01	BF142257.D	01 May 2025 13:40	RC/JU	Ok
10	Q1920-01	BF142258.D	01 May 2025 14:09	RC/JU	Ok,M
11	Q1914-14	BF142259.D	01 May 2025 14:37	RC/JU	Ok
12	Q1913-04	BF142260.D	01 May 2025 15:06	RC/JU	Ok
13	Q1915-01	BF142261.D	01 May 2025 15:34	RC/JU	Ok
14	Q1903-01	BF142262.D	01 May 2025 16:03	RC/JU	Ok
15	Q1903-02	BF142263.D	01 May 2025 16:31	RC/JU	Ok
16	Q1903-03	BF142264.D	01 May 2025 17:00	RC/JU	Ok
17	Q1906-01	BF142265.D	01 May 2025 17:29	RC/JU	Ok
18	Q1906-13	BF142266.D	01 May 2025 17:57	RC/JU	Ok
19	Q1901-06	BF142267.D	01 May 2025 18:26	RC/JU	Ok
20	Q1901-02	BF142268.D	01 May 2025 18:55	RC/JU	Ok,M
21	Q1901-02MS	BF142269.D	01 May 2025 19:24	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF050125

Review By	Rahul	Review On	5/2/2025 10:46:38 AM				
Supervise By	Jagrut	Supervise On	5/2/2025 4:49:12 PM				
SubDirectory	BF050125	HP Acquire Method	BNA_F		HP Processing Method	BF043025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1901-02MSD	BF142270.D	01 May 2025 19:52	RC/JU	Ok,M
23	Q1901-04	BF142271.D	01 May 2025 20:20	RC/JU	Ok
24	Q1901-05	BF142272.D	01 May 2025 20:49	RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM042825

Review By	Rahul	Review On	4/29/2025 8:56:26 AM				
Supervise By	Jagrut	Supervise On	4/29/2025 11:57:30 AM				
SubDirectory	BM042825	HP Acquire Method	BNA_M		HP Processing Method	BM042825	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM050023.D	28 Apr 2025 11:46	RC/JU	Ok
2	SSTDICC2.5	BM050024.D	28 Apr 2025 12:30	RC/JU	Ok
3	SSTDICC005	BM050025.D	28 Apr 2025 13:09	RC/JU	Ok,M
4	SSTDICC010	BM050026.D	28 Apr 2025 13:48	RC/JU	Ok,M
5	SSTDICC020	BM050027.D	28 Apr 2025 14:27	RC/JU	Ok,M
6	SSTDICCC040	BM050028.D	28 Apr 2025 15:06	RC/JU	Ok
7	SSTDICC050	BM050029.D	28 Apr 2025 15:45	RC/JU	Ok
8	SSTDICC060	BM050030.D	28 Apr 2025 16:24	RC/JU	Ok
9	SSTDICC080	BM050031.D	28 Apr 2025 17:04	RC/JU	Ok
10	SSTDICV040	BM050032.D	28 Apr 2025 17:43	RC/JU	Ok,M
11	PB167739BL	BM050033.D	28 Apr 2025 19:40	RC/JU	Not Ok

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM050125

Review By	Rahul	Review On	5/1/2025 3:03:06 PM				
Supervise By	Jagrut	Supervise On	5/2/2025 4:57:09 PM				
SubDirectory	BM050125	HP Acquire Method	BNA_M		HP Processing Method	BM042825	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12662,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM050061.D	01 May 2025 12:24	RC/JU	Ok
2	SSTDCCC040	BM050062.D	01 May 2025 13:25	RC/JU	Ok
3	PB167779BL	BM050063.D	01 May 2025 14:04	RC/JU	Ok
4	PB167779BS	BM050064.D	01 May 2025 14:43	RC/JU	Ok
5	Q1900-05	BM050065.D	01 May 2025 15:26	RC/JU	Ok
6	Q1914-01	BM050066.D	01 May 2025 16:05	RC/JU	Ok
7	Q1914-02	BM050067.D	01 May 2025 16:44	RC/JU	Ok
8	Q1905-05	BM050068.D	01 May 2025 17:23	RC/JU	Ok,M
9	Q1900-01	BM050069.D	01 May 2025 18:02	RC/JU	Ok,M
10	Q1906-05	BM050070.D	01 May 2025 18:41	RC/JU	Ok,M
11	Q1914-03	BM050071.D	01 May 2025 19:20	RC/JU	Ok
12	Q1914-05	BM050072.D	01 May 2025 20:00	RC/JU	Ok,M
13	Q1907-01	BM050073.D	01 May 2025 20:39	RC/JU	Dilution
14	Q1901-03	BM050074.D	01 May 2025 21:18	RC/JU	Ok,M
15	Q1900-09	BM050075.D	01 May 2025 21:57	RC/JU	Ok,M
16	Q1905-01	BM050076.D	01 May 2025 22:36	RC/JU	Ok,M
17	Q1906-09	BM050077.D	01 May 2025 23:15	RC/JU	Not Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF043025

Review By	Rahul	Review On	5/1/2025 1:20:20 PM		
Supervise By	Jagrut	Supervise On	5/1/2025 1:23:08 PM		
SubDirectory	BF043025	HP Acquire Method	BNA_F	HP Processing Method	BF043025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142238.D	30 Apr 2025 10:55		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF142239.D	30 Apr 2025 11:24		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF142240.D	30 Apr 2025 11:52	Compound#32,54,56,65,70,85 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF142241.D	30 Apr 2025 12:20		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF142242.D	30 Apr 2025 12:49		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF142243.D	30 Apr 2025 13:17	Compound#32,48,51,53,57,62,65,80,84,85 Kept on LR	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF142244.D	30 Apr 2025 13:46	Compound#26,54 Kept on QR	RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF142245.D	30 Apr 2025 14:15		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF142246.D	30 Apr 2025 14:43		RC/JU	Ok,M
10	SSTDICV040	ICVBF043025	BF142247.D	30 Apr 2025 16:17		RC/JU	Ok,M
11	PB167726BL	PB167726BL	BF142248.D	30 Apr 2025 17:15		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF050125

Review By	Rahul	Review On	5/2/2025 10:46:38 AM		
Supervise By	Jagrut	Supervise On	5/2/2025 4:49:12 PM		
SubDirectory	BF050125	HP Acquire Method	BNA_F	HP Processing Method	BF043025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142249.D	01 May 2025 09:48		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142250.D	01 May 2025 10:17		RC/JU	Ok,M
3	PB167798BL	PB167798BL	BF142251.D	01 May 2025 10:45		RC/JU	Ok
4	PB167798BS	PB167798BS	BF142252.D	01 May 2025 11:13		RC/JU	Ok,M
5	PB167798BSD	PB167798BSD	BF142253.D	01 May 2025 11:42		RC/JU	Ok,M
6	PB167810BL	PB167810BL	BF142254.D	01 May 2025 12:10		RC/JU	Ok
7	PB167810BS	PB167810BS	BF142255.D	01 May 2025 12:39		RC/JU	Ok,M
8	PB167774TB	PB167774TB	BF142256.D	01 May 2025 13:07		RC/JU	Ok
9	Q1890-01	TW-WTS-07	BF142257.D	01 May 2025 13:40		RC/JU	Ok
10	Q1920-01	291	BF142258.D	01 May 2025 14:09		RC/JU	Ok,M
11	Q1914-14	FB04282025	BF142259.D	01 May 2025 14:37		RC/JU	Ok
12	Q1913-04	WC-13-A-202504	BF142260.D	01 May 2025 15:06		RC/JU	Ok
13	Q1915-01	WC-04282025	BF142261.D	01 May 2025 15:34		RC/JU	Ok
14	Q1903-01	COMP-4	BF142262.D	01 May 2025 16:03		RC/JU	Ok
15	Q1903-02	COMP-5	BF142263.D	01 May 2025 16:31		RC/JU	Ok
16	Q1903-03	COMP-6	BF142264.D	01 May 2025 17:00		RC/JU	Ok
17	Q1906-01	WC-4	BF142265.D	01 May 2025 17:29		RC/JU	Ok
18	Q1906-13	WC-7	BF142266.D	01 May 2025 17:57		RC/JU	Ok

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF050125

Review By	Rahul	Review On	5/2/2025 10:46:38 AM		
Supervise By	Jagrut	Supervise On	5/2/2025 4:49:12 PM		
SubDirectory	BF050125	HP Acquire Method	BNA_F	HP Processing Method	BF043025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1901-06	FB04262025	BF142267.D	01 May 2025 18:26		RC/JU	Ok
20	Q1901-02	B-167-SB01	BF142268.D	01 May 2025 18:55		RC/JU	Ok,M
21	Q1901-02MS	B-167-SB01MS	BF142269.D	01 May 2025 19:24		RC/JU	Ok,M
22	Q1901-02MSD	B-167-SB01MSD	BF142270.D	01 May 2025 19:52		RC/JU	Ok,M
23	Q1901-04	B-167-SB02	BF142271.D	01 May 2025 20:20		RC/JU	Ok
24	Q1901-05	B-170-SB02	BF142272.D	01 May 2025 20:49		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM042825

Review By	Rahul	Review On	4/29/2025 8:56:26 AM		
Supervise By	Jagrut	Supervise On	4/29/2025 11:57:30 AM		
SubDirectory	BM042825	HP Acquire Method	BNA_M	HP Processing Method	BM042825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM050023.D	28 Apr 2025 11:46		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BM050024.D	28 Apr 2025 12:30		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BM050025.D	28 Apr 2025 13:09	Compound#32-41-54-56-65-70-77 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BM050026.D	28 Apr 2025 13:48		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BM050027.D	28 Apr 2025 14:27		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BM050028.D	28 Apr 2025 15:06	Compound#54 & 56 Kept on LR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BM050029.D	28 Apr 2025 15:45		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BM050030.D	28 Apr 2025 16:24		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BM050031.D	28 Apr 2025 17:04		RC/JU	Ok
10	SSTDICV040	ICVBM042825	BM050032.D	28 Apr 2025 17:43		RC/JU	Ok,M
11	PB167739BL	PB167739BL	BM050033.D	28 Apr 2025 19:40	Analyzed for contamination check	RC/JU	Not Ok

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM050125

Review By	Rahul	Review On	5/1/2025 3:03:06 PM		
Supervise By	Jagrut	Supervise On	5/2/2025 4:57:09 PM		
SubDirectory	BM050125	HP Acquire Method	BNA_M	HP Processing Method	BM042825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12662,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM050061.D	01 May 2025 12:24		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM050062.D	01 May 2025 13:25		RC/JU	Ok
3	PB167779BL	PB167779BL	BM050063.D	01 May 2025 14:04		RC/JU	Ok
4	PB167779BS	PB167779BS	BM050064.D	01 May 2025 14:43		RC/JU	Ok
5	Q1900-05	WC-2	BM050065.D	01 May 2025 15:26		RC/JU	Ok
6	Q1914-01	SS-1	BM050066.D	01 May 2025 16:05		RC/JU	Ok
7	Q1914-02	SS-91	BM050067.D	01 May 2025 16:44		RC/JU	Ok
8	Q1905-05	MH-H	BM050068.D	01 May 2025 17:23		RC/JU	Ok,M
9	Q1900-01	WC-1	BM050069.D	01 May 2025 18:02		RC/JU	Ok,M
10	Q1906-05	WC-5	BM050070.D	01 May 2025 18:41		RC/JU	Ok,M
11	Q1914-03	SS-2	BM050071.D	01 May 2025 19:20		RC/JU	Ok
12	Q1914-05	SS-4	BM050072.D	01 May 2025 20:00		RC/JU	Ok,M
13	Q1907-01	CO-8R-WC	BM050073.D	01 May 2025 20:39	Need further 5X Dilution	RC/JU	Dilution
14	Q1901-03	B-170-SB01	BM050074.D	01 May 2025 21:18		RC/JU	Ok,M
15	Q1900-09	WC-3	BM050075.D	01 May 2025 21:57		RC/JU	Ok,M
16	Q1905-01	MH-G	BM050076.D	01 May 2025 22:36		RC/JU	Ok,M
17	Q1906-09	WC-6	BM050077.D	01 May 2025 23:15	Need Straight Run	RC/JU	Not Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/29/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:37
Out Date: 04/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135575

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
Q1872-24	HW0425-PT-SOL-SOIL	8	0.92	10.30	11.22	8.82	76.7	
Q1901-01	B-170-SB00	1	1.14	5.55	6.69	6.28	92.6	
Q1901-02	B-167-SB01	2	1.14	10.22	11.36	9.58	82.6	
Q1901-03	B-170-SB01	3	1.19	10.31	11.5	9.75	83.0	
Q1901-04	B-167-SB02	4	1.15	9.78	10.93	6.35	53.2	
Q1901-05	B-170-SB02	5	1.14	10.16	11.3	8.77	75.1	
Q1902-01	343	6	1.19	10.23	11.42	10.7	93.0	
Q1902-02	343	7	1.13	10.19	11.32	10.33	90.3	
Q1903-01	COMP-4	9	1.18	11.14	12.32	10.46	83.3	
Q1903-02	COMP-5	10	1.16	10.50	11.66	9.44	78.9	
Q1903-03	COMP-6	11	1.17	10.60	11.77	10.06	83.9	
Q1904-01	VNJ-210	12	1.19	10.39	11.58	10.6	90.6	
Q1905-01	MH-G	13	1.15	10.35	11.5	10.38	89.2	
Q1905-02	MH-G-EPH	14	1.16	9.65	10.81	9.71	88.6	
Q1905-03	MH-G-VOC	15	1.16	10.33	11.49	10.36	89.1	
Q1905-05	MH-H	16	1.12	10.03	11.15	10.5	93.5	
Q1905-06	MH-H-EPH	17	1.13	10.30	11.43	10.5	91.0	
Q1905-07	MH-H-VOC	18	1.12	10.03	11.15	10.01	88.6	
Q1906-01	WC-4	19	1.15	9.85	11.00	10.14	91.3	
Q1906-02	WC-4-EPH	20	1.16	9.97	11.13	10.17	90.4	
Q1906-03	WC-4-VOC	21	1.18	9.99	11.17	9.91	87.4	
Q1906-05	WC-5	22	1.16	10.82	11.98	10.19	83.5	
Q1906-06	WC-5-EPH	23	1.13	10.41	11.54	9.94	84.6	
Q1906-07	WC-5-VOC	24	1.18	10.47	11.65	11.63	99.8	
Q1906-09	WC-6	25	1.14	10.04	11.18	10.4	92.2	
Q1906-10	WC-6-EPH	26	1.15	10.77	11.92	10.23	84.3	
Q1906-11	WC-6-VOC	27	1.14	10.47	11.61	10.86	92.8	
Q1906-13	WC-7	28	1.14	10.85	11.99	10.31	84.5	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/29/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:37
Out Date: 04/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135575

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
Q1906-14	WC-7-EPH	29	1.12	9.86	10.98	9.7	87.0	
Q1906-15	WC-7-VOC	30	1.13	10.27	11.4	10.23	88.6	
Q1907-01	CO-8R-WC	31	1.13	10.26	11.39	9.81	84.6	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB B5575

WorkList Name : %1-042825 **WorkList ID :** 189159 **Department :** Wet-Chemistry **Date :** 04-28-2025 07:59:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1872-24	HW0425-PT-SOL-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1903-01	COMP-4	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/25/2025	Chemtech -SO
Q1903-02	COMP-5	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/25/2025	Chemtech -SO
Q1903-03	COMP-6	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/25/2025	Chemtech -SO
Q1901-01	B-170-SB00	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-02	B-167-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-03	B-170-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-04	B-167-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-05	B-170-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1902-01	343	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1902-02	343	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1904-01	VNJ-210	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1905-01	MH-G	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1905-02	MH-G-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1905-03	MH-G-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1906-13	WC-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-14	WC-7-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-15	WC-7-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-05	WC-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-06	WC-5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-07	WC-5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO

Date/Time 04/28/25 16:15

Raw Sample Received by: -20 deg C

Raw Sample Relinquished by:

Date/Time 04/28/25 17:30

Raw Sample Received by:

Raw Sample Relinquished by: -20 deg C

WORKLIST(Hardcopy Internal Chain)

WB 1355775

WorkList Name : %1-042825 **WorkList ID :** 189159 **Department :** Wet-Chemistry **Date :** 04-28-2025 07:59:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1906-09	WC-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-10	WC-6-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-11	WC-6-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1905-05	MH-H	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1905-06	MH-H-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1905-07	MH-H-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1906-01	WC-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1906-02	WC-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-03	WC-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1907-01	CO-8R-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
					WALS01	L51	04/28/2025	Chemtech -SO

Date/Time 04/28/25 16:15
Raw Sample Received by: JD WOC
Raw Sample Relinquished by:

Date/Time 04/28/25 17:30
Raw Sample Received by:
Raw Sample Relinquished by: JD WOC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167779

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 04/29/2025

Extraction Start Time : 09:30

Extraction End Date : 04/29/2025

Extraction End Time : 12:30

Concentration By: EH

Supervisor By : RUPESH

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	SP6752
Surrogate	1.0ML	100/150 PPM	SP6754
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	EP2600
Baked Na2SO4	N/A	EP2607
Sand	N/A	EP2865
Methylene Chloride	N/A	E3926
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
4/29/25	RS (EC4 lab).	RC/SVOC
12:35	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167779

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 04/29/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167779BL	SBLK779	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U1-1
PB167779BS	SLCS779	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q1900-01	WC-1	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	E		3
Q1900-05	WC-2	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		4
Q1900-09	WC-3	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		5
Q1901-02	B-167-SB01	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	F		6
Q1901-02MS	B-167-SB01MS	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	F		U2-1
Q1901-02MS D	B-167-SB01MSD	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	F		2
Q1901-03	B-170-SB01	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		3
Q1901-04	B-167-SB02	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	E		4
Q1901-05	B-170-SB02	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		5
Q1902-02	343	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	D		6
Q1903-01	COMP-4	SVOCMS Group1	30.04	N/A	ritesh	Evelyn	1	E		U3-1
Q1903-02	COMP-5	SVOCMS Group1	30.02	N/A	ritesh	Evelyn	1	E		2
Q1903-03	COMP-6	SVOCMS Group1	30.03	N/A	ritesh	Evelyn	1	E		3
Q1904-01	VNJ-210	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	H		4
Q1905-01	MH-G	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	D		5
Q1905-05	MH-H	SVOC-TCL BNA -20	50.01	N/A	ritesh	Evelyn	1	D		6
Q1906-01	WC-4	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	D		U6-1
Q1906-05	WC-5	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	D		2
Q1906-09	WC-6	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	D		3
Q1906-13	WC-7	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	D		4

RS
4/29

* **Extracts relinguished on the same date as received.**

16 7779 9:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1903 **WorkList ID :** 189200 **Department :** Extraction **Date :** 04-29-2025 08:40:06

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1900-01	WC-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	04/25/2025	8270E
Q1900-05	WC-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	04/25/2025	8270E
Q1900-09	WC-3	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	04/25/2025	8270E
Q1901-02	B-167-SB01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L51	04/26/2025	8270E
Q1901-03	B-170-SB01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L51	04/26/2025	8270E
Q1901-04	B-167-SB02	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L51	04/26/2025	8270E
Q1901-05	B-170-SB02	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L51	04/26/2025	8270E
Q1902-02	343	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	04/28/2025	8270E
Q1903-01	COMP-4	Solid	SVOCMS Group1	Cool 4 deg C	POWE02	L51	04/25/2025	8270E
Q1903-02	COMP-5	Solid	SVOCMS Group1	Cool 4 deg C	POWE02	L51	04/25/2025	8270E
Q1903-03	COMP-6	Solid	SVOCMS Group1	Cool 4 deg C	POWE02	L51	04/25/2025	8270E
Q1904-01	VNJ-210	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	04/28/2025	8270E
Q1905-01	MH-G	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L51	04/28/2025	8270E
Q1905-05	MH-H	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L51	04/28/2025	8270E
Q1906-01	WC-4	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	04/28/2025	8270E
Q1906-05	WC-5	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	04/28/2025	8270E
Q1906-09	WC-6	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	04/28/2025	8270E
Q1906-13	WC-7	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	04/28/2025	8270E

Date/Time 04/29/21 9:25
Raw Sample Received by: RJ (EXT-Lab)
Raw Sample Relinquished by: CP

Date/Time 04/29/25 10:00
Raw Sample Received by: CP
Raw Sample Relinquished by: RJ (EXT-Lab)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167798

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	04/30/2025
Matrix :	Water			**Extraction Start Time :**	08:35
Weigh By:	N/A	**Extraction By:**	RJ	**Extraction End Date :**	04/30/2025
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	16:00
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	4,6,7	**Supervisor By :**	RUPESH

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	SP6752
Surrogate	1.0ML	100/150 PPM	SP6754
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
Methylene Chloride	N/A	E3926
Baked Na2SO4	N/A	EP2607
10N NaoH	N/A	EP2559
H2SO4 1:1	N/A	EP2865
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# 2210443. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH. Q1914-14 Added at 11:58 AM.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
4/30/25	RS (Ext-lab)	RC/SVOC
16:05	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167798

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 04/30/2025

Sample ID	Client Sample ID	Test	g / mL*	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167798BL	SBLK798	SVOC-TCL BNA -20	1000	6	ritesh	Evelyn	1			SEP-1
PB167798BS	SLCS798	SVOC-TCL BNA -20	1000	6	ritesh	Evelyn	1			2
PB167798BSD	SLCSD798	SVOC-TCL BNA -20	1000	6	ritesh	Evelyn	1			3
Q1890-01	TW-WTS-07	SVOCMS Group4	960	12	ritesh	Evelyn	1	F		4
Q1901-06	FB04262025	SVOC-TCL BNA -20	940	6	ritesh	Evelyn	1	I		5
Q1914-14	FB04282025	SVOCMS Group3	960	6	ritesh	Evelyn	1	C		6

RS 4/30

* **Extracts relinquished on the same date as received.**

167798
8:35

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1890 **WorkList ID :** 189223 **Department :** Extraction **Date :** 04-30-2025 08:30:00

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1890-01	TW-WTS-07	Water	SVOCMS Group4	Cool 4 deg C	ENTA05	L41	04/24/2025	8270E
Q1901-06	FB04262025	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L51	04/26/2025	8270E

Date/Time 04/30/25 8:30
Raw Sample Received by: RJ (EXT (gb)
Raw Sample Relinquished by: SM

Date/Time 4/30/25 9:00
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (EXT (gb)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1914 **WorkList ID :** 189229 **Department :** Extraction **Date :** 04-30-2025 10:58:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1914-14	FB04282025	Water	SVOCMS Group3	Cool 4 deg C	CAMP02	L41	04/28/2025	8270E

Date/Time 4/30/25 10:58

Raw Sample Received by: RJ (EXT-lab)

Raw Sample Relinquished by: CP SM

Date/Time 4/30/25 11:15

Raw Sample Received by: CP SM

Raw Sample Relinquished by: RJ (EXT-lab)

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Prep Standard - Chemical Standard Summary

Order ID : Q1901

Test : SVOC-TCL BNA -20

Prepbatch ID : PB167779,PB167798,

Sequence ID/Qc Batch ID: bf050125,BM050125,

Standard ID :
EP2559,EP2600,EP2607,EP2865,SP6721,SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729,SP6752,SP6754,SP6757,SP6769,SP6770,

Chemical ID :
10ul/1000ul sample,E3551,E3657,E3874,E3876,E3902,E3904,E3917,E3926,S10104,S10397,S10584,S11087,S11143,S11161,S11487,S11495,S11650,S11785,S11786,S11787,S11788,S12114,S12190,S12191,S12192,S12193,S12194,S12195,S12209,S12210,S12211,S12212,S12213,S12214,S12215,S12216,S12270,S12276,S12478,S12479,S12480,S12481,S12482,S12483,S12484,S12485,S12486,S12525,S12526,S12527,S12528,S12529,S12530,S12531,S12532,S12533,S12534,S12577,S12649,S12658,S12661,S12662,S12791,S12966,S12967,S12968,S12969,S12970,S12971,S12972,S12973,S12974,W3112,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1874	10 N SODIUM HYDROXIDE SOLN	EP2559	11/14/2024	05/14/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 11/14/2024

FROM 1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2600	04/07/2025	10/03/2025	Rajesh Parikh	None	None	Riteshkumar Patel 04/07/2025

FROM 8000.00000ml of E3904 + 8000.00000ml of E3917 = Final Quantity: 16000.000 ml

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2607	04/25/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 04/25/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3764	8270/625 Stock solution 100 ng	SP6721	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.26700ml of S10104 + 0.40000ml of S11495 + 0.50000ml of S12114 + 1.00000ml of S11087 + 1.00000ml of S11161 + 1.00000ml of S12270 + 1.00000ml of S12276 + 1.00000ml of S12791 + 3.83300ml of E3874 = Final Quantity: 10.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
413	80 ng BNA ICC, 80 PPM	SP6722	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.20000ml of E3874 + 0.80000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
412	60 ng BNA ICC, 60 PPM	SP6723	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.40000ml of E3874 + 0.60000ml of SP6721 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
411	50 ng BNA ICC, 50 PPM	SP6724	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
410	40 ng BNA ICC, 40 PPM	SP6725	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.60000ml of E3874 + 0.40000ml of SP6721 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3678	20 ng BNA ICC, 20 PPM	SP6726	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.80000ml of E3874 + 0.20000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
408	10 ng BNA ICC, 10 PPM	SP6727	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.90000ml of E3874 + 0.10000ml of SP6721 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
407	5 ng BNA ICC, 5 PPM	SP6728	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.95000ml of E3874 + 0.05000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
175	2.5 ng BNA ICC, 2.5 PPM	SP6729	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6728 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6752	03/10/2025	05/31/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/03/2025

FROM 0.10000ml of S12478 + 0.30000ml of S12525 + 0.40000ml of S10397 + 0.40000ml of S10584 + 0.40000ml of S11143 + 0.40000ml of S11487 + 0.40000ml of S11650 + 0.40000ml of S12533 + 0.40000ml of S12974 + 0.60000ml of S12486 + 0.80000ml of S12966 + 1.10000ml of S11788 + 1.20000ml of S11785 + 1.20000ml of S12483 + 1.20000ml of S12526 + 1.20000ml of S12967 + 1.20000ml of S12968 + 1.20000ml of S12970 + 1.20000ml of S12972 + 1.30000ml of S11786 + 1.30000ml of S12481 + 1.30000ml of S12482 + 1.30000ml of S12484 + 1.30000ml of S12528 + 1.30000ml of S12529 + 1.30000ml of S12531 + 1.30000ml of S12969 + 1.30000ml of S12973 + 1.40000ml of S11787 + 1.40000ml of S12479 + 1.40000ml of S12480 + 1.40000ml of S12485 + 1.40000ml of S12527 + 1.40000ml of S12530 + 1.40000ml of S12532 + 1.40000ml of S12971 + 163.00000ml of E3876 = Final Quantity: 200.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6754	03/18/2025	09/18/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/03/2025

FROM 1930.00000ml of E3902 + 2.60000ml of S12216 + 2.70000ml of S12195 + 5.20000ml of S12210 + 5.30000ml of S12192 + 5.30000ml of S12194 + 5.30000ml of S12209 + 5.30000ml of S12211 + 5.30000ml of S12212 + 5.30000ml of S12213 + 5.40000ml of S12190 + 5.40000ml of S12214 + 5.60000ml of S12191 + 5.60000ml of S12215 + 5.70000ml of S12193 = Final Quantity: 2000.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6757	03/31/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/01/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3904 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6769	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 04/16/2025

FROM 0.04000ml of S12195 + 0.08000ml of S12216 + 0.10000ml of S11788 + 0.20000ml of S12486 + 0.20000ml of S12534 + 0.20000ml of S12974 + 1.18000ml of E3926 = Final Quantity: 2.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6770	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 04/16/2025

FROM 0.01000ml of S12658 + 0.60000ml of E3926 + 0.40000ml of SP6769 = Final Quantity: 1.010 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4	23B1556310	12/31/2025	12/04/2023 / Rajesh	12/01/2023 / Rajesh	E3657

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	07/30/2025	01/30/2025 / Rajesh	01/20/2025 / Rajesh	E3874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	08/25/2025	02/25/2025 /	02/12/2025 / Rajesh	E3876

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	09/18/2025	03/18/2025 / RUPESH	02/12/2025 / RUPESH	E3902

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	01/07/2026	03/13/2025 /	12/27/2024 / RUPESH	E3904

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	10/03/2025	04/03/2025 / Rajesh	03/31/2025 / Rajesh	E3917

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	10/08/2025	04/08/2025 / Rajesh	02/07/2025 / Rajesh	E3926

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	07/30/2025	01/30/2025 / anahy	12/09/2021 / Christian	S10104

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0185300	05/31/2025	01/29/2025 / anahy	05/18/2022 / Christian	S10397

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0186373	06/30/2025	01/29/2025 / anahy	07/05/2022 / Christian	S10584

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	406703	07/30/2025	01/30/2025 / anahy	02/07/2023 / Christian	S11087

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0194702	07/29/2025	01/29/2025 / anahy	02/20/2023 / Christian	S11143

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	06/21/2025	01/30/2025 / anahy	03/06/2023 / Christian	S11161

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0200549	08/31/2026	01/29/2025 / anahy	08/10/2023 / yogesh	S11487

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	506889	05/12/2025	11/12/2024 / Jagrut	08/11/2023 / Yogesh	S11495

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	07/29/2025	01/29/2025 / anahy	11/09/2023 / Yogesh	S11650

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11785

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11786

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11787

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11788

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	05/12/2025	11/12/2024 / Jagrut	03/08/2024 / Rahul	S12114

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12190

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12191

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12192

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12193

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12194

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12195

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12209

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12210

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12211

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12212

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12213

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12214

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12215

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12216

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	520963	07/30/2025	01/30/2025 / anahy	05/24/2024 / Rahul	S12270

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	05/12/2025	11/12/2024 / Jagrut	05/24/2024 / Rahul	S12276

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12478

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12479

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12480

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12481

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12482

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12483

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12484

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12485

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12486

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12525

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12526

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12527

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12528

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12529

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12530

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12531

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12532

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12533

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	10/10/2025	04/10/2025 / Jagrut	07/23/2024 / RAHUL	S12534

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0212955	06/30/2027	03/31/2025 / Rahul	08/01/2024 / Rahul	S12577

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	07/21/2025	01/21/2025 / anahy	09/20/2024 / anahy	S12649

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	04/30/2030	04/07/2025 / anahy	09/20/2024 / anahy	S12658

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	10/25/2025	04/25/2025 / Rahul	09/20/2024 / anahy	S12661

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	11/01/2025	05/01/2025 / Rahul	09/20/2024 / anahy	S12662

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	06/21/2025	01/30/2025 / anahy	05/24/2024 / Rahul	S12791

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12966

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12967

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12968

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12969

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12970

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12971

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12972

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12973

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12974

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	406703	≤ -10 °C	Methylene Chloride	3/30/2025	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	99.5	74.3.26P	989 ± 7.53

Received on
02/07/23
by
CG

S11084
to
S11088

*Not a certified value

Certified By: _____
Jacob Mulloy
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricllly.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

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Santa Rosa, CA 95403

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(707)545-7901 Fax

Manufacturer's Quality System
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Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090-04	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d_4	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d6	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Erica Castiglione

Erica Castiglione
Chemist

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CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 05/19/22
S10393 to S10402

Catalog No. : 555871 **Lot No.:** A0185300

Description : Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2025 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	4-Nitrophenol	25,060.0 µg/mL	+/- 231.9100	µg/mL	Gravimetric
	CAS # 100-02-7 (Lot MKCN1089)		+/- 753.2622	µg/mL	Unstressed
	Purity 99%		+/- 905.6020	µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Katelyn McGinnis - Operations Tech I

Date Mixed: 16-May-2022 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by
CG
on
07/05/22
S 10583
to
S 10592

Catalog No. : 555868 **Lot No.:** A0186373

Description : Custom Benzidine Standard

Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Benzidine	25,200.0 µg/mL	+/- 233.2055 µg/mL	Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 351.6606 µg/mL	Unstressed
	Purity 99%		+/- 512.6054 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 16-Jun-2022 **Balance:** 1122030677

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

RESTEK
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Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** A0194702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	Hexachlorocyclopentadiene	77-47-4	0012019	99%	25,008.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek Registered Quality Certificate #FM

tified Reference Material Notes

:es:

n date valid for unopened ampul stored in compliance with the recommended conditions.

nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

nds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the mpound in solution.

isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

rtainty Value Notes:

rtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded ty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability ty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

erage factor of 2, which gives a level of confidence of approximately 95%.

ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure nimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability ı, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with ards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, des complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by RB on 7/24/23 E3551

VWR®

Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Pellets

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 0.003 %	<0.003 %	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

E 3657	E 3659
E 3654	E 3660

PO: PO2-1178.2 PRODUCT CODE: SHIP DATE: 1/20/2025

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3874

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

PO: PO2-798 PRODUCT CODE: SHIP DATE: 12/9/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3902

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 03/31/25

E3917

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

PO: PO2-1308 PRODUCT CODE: SHIP DATE: 2/7/25

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3926

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

S11484 ↓ S11493 Y.P. 08/10/23

Catalog No. : 555870 **Lot No.:** A0200549

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 02-Aug-2023 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

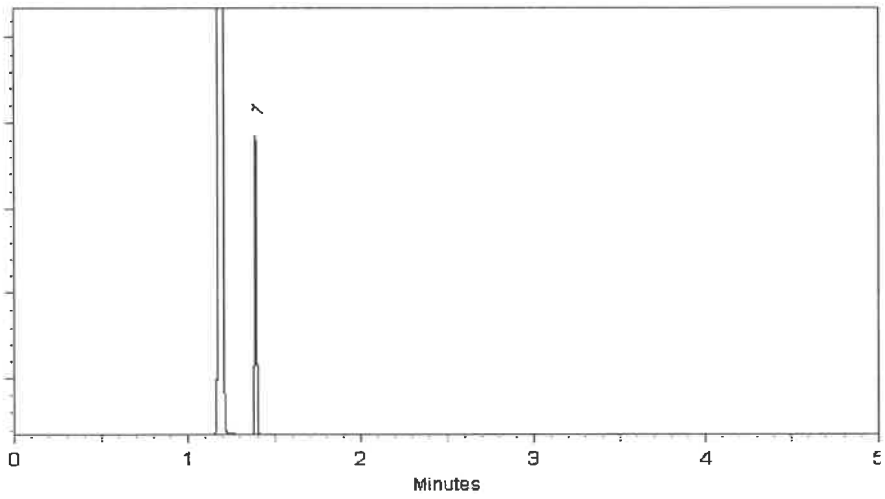
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

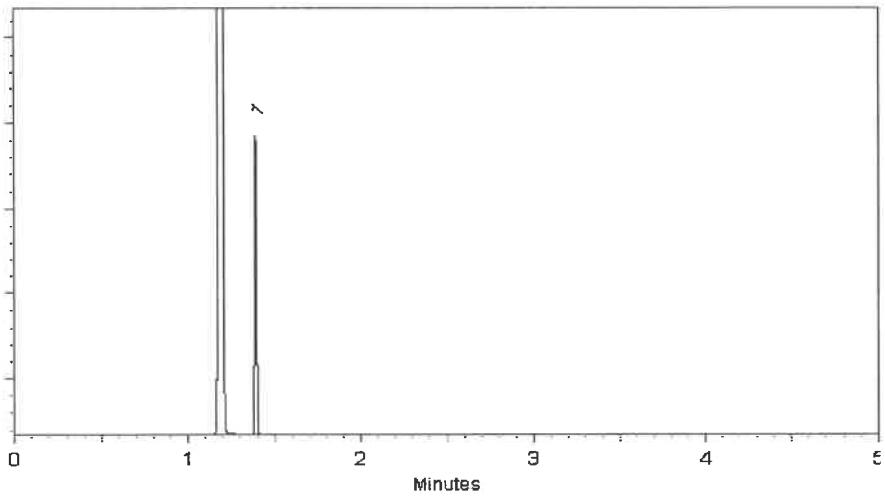
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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Manufacturing Notes:

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Handling Notes:

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

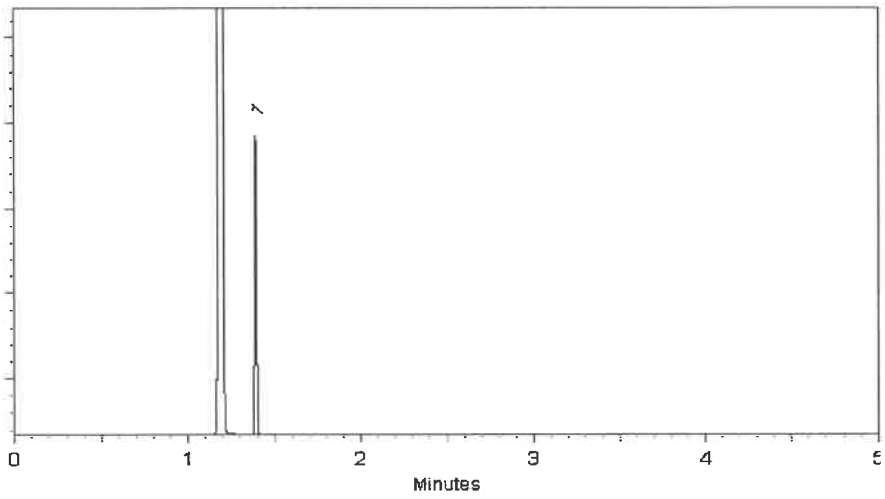
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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Certified Uncertainty Value Notes:

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Manufacturing Notes:

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Certificate of Analysis

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Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

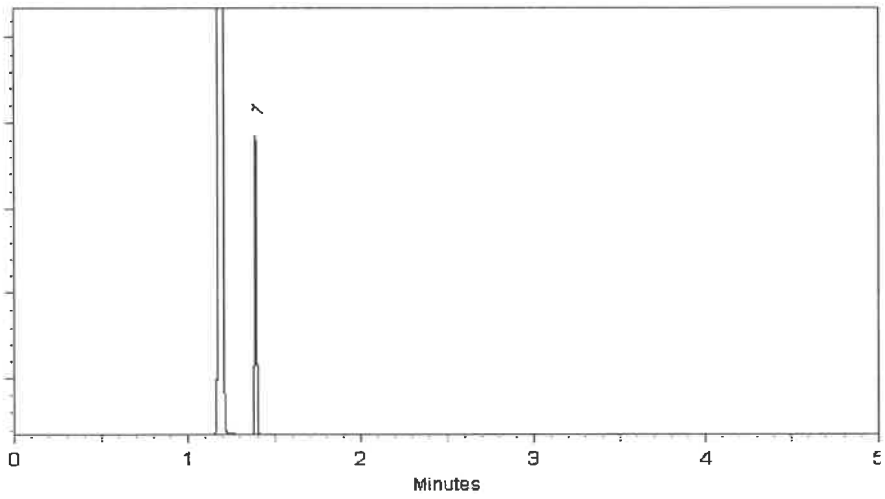
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

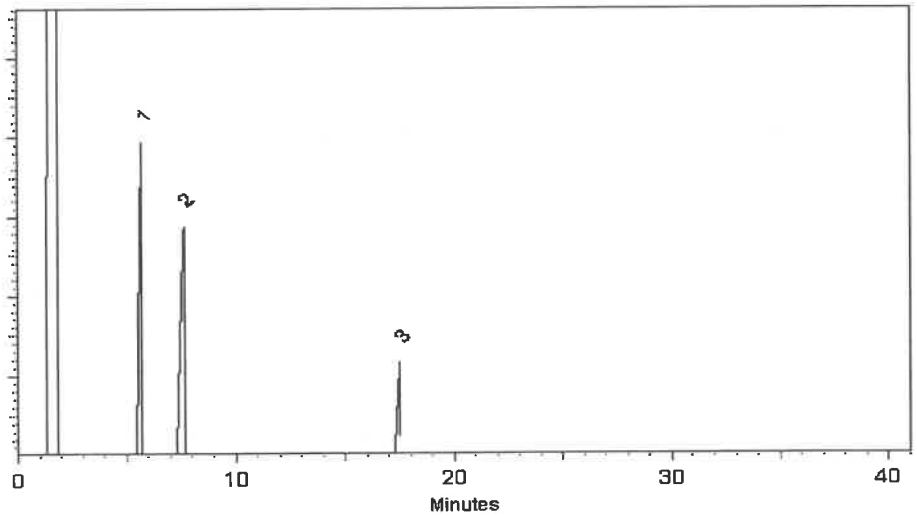
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate of Analysis

chromatographic plus

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

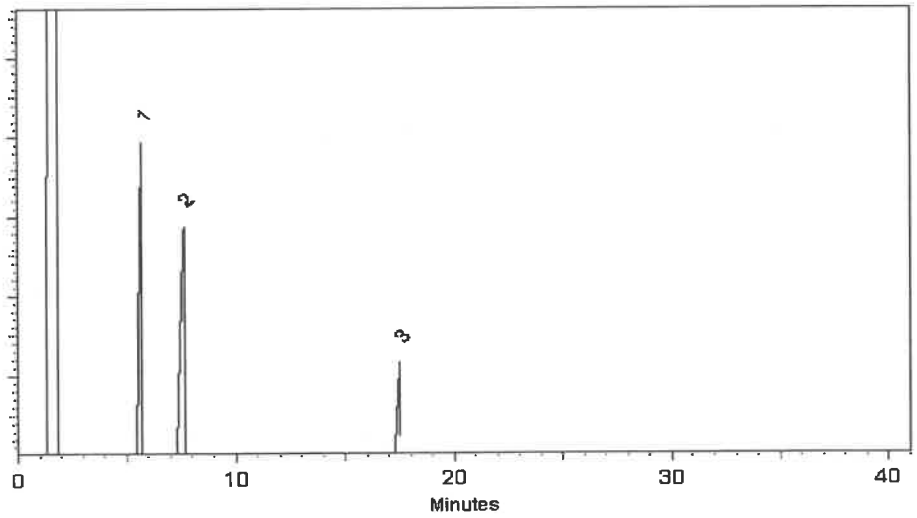
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

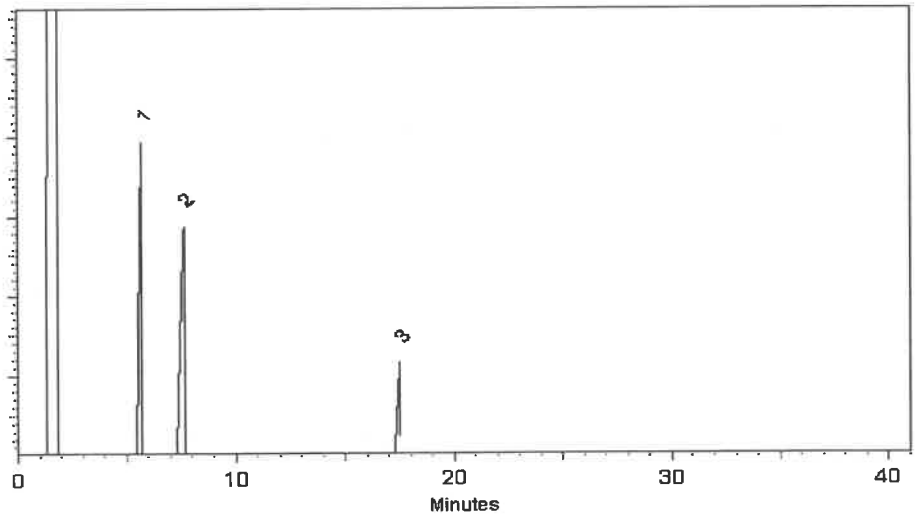
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

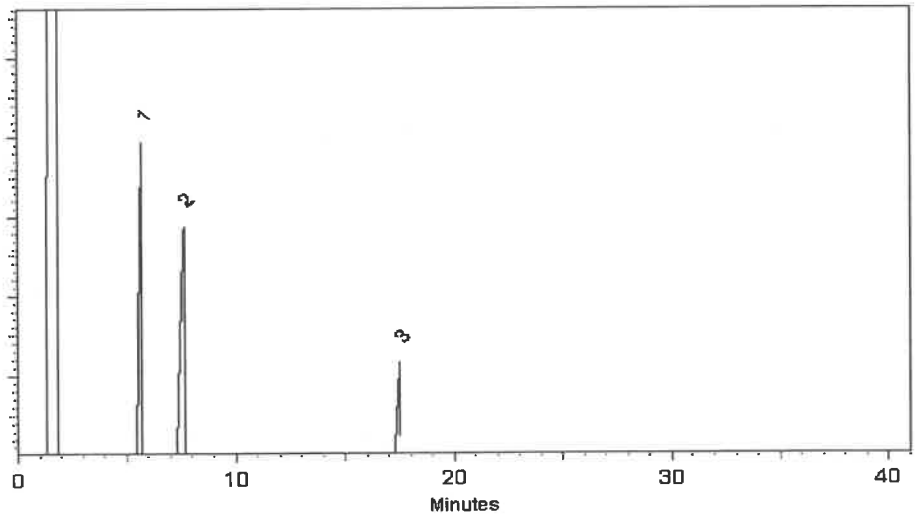
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
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3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

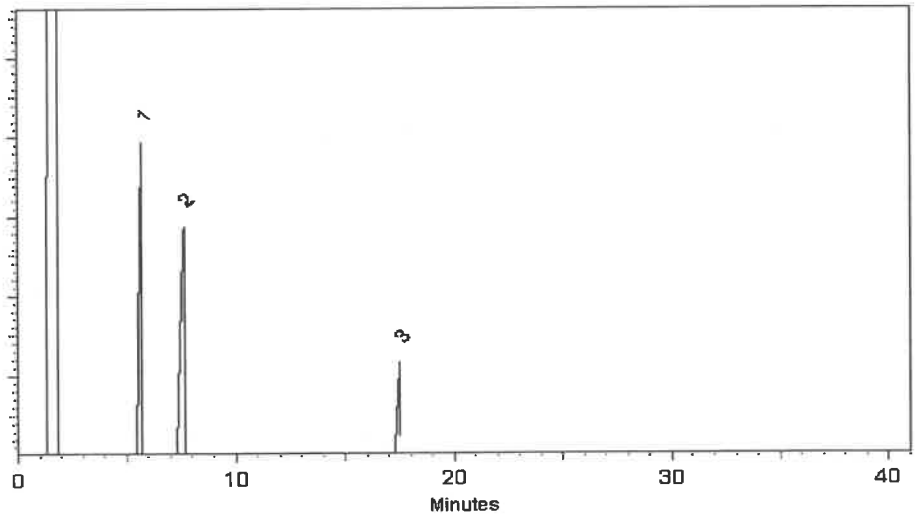
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

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Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
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* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

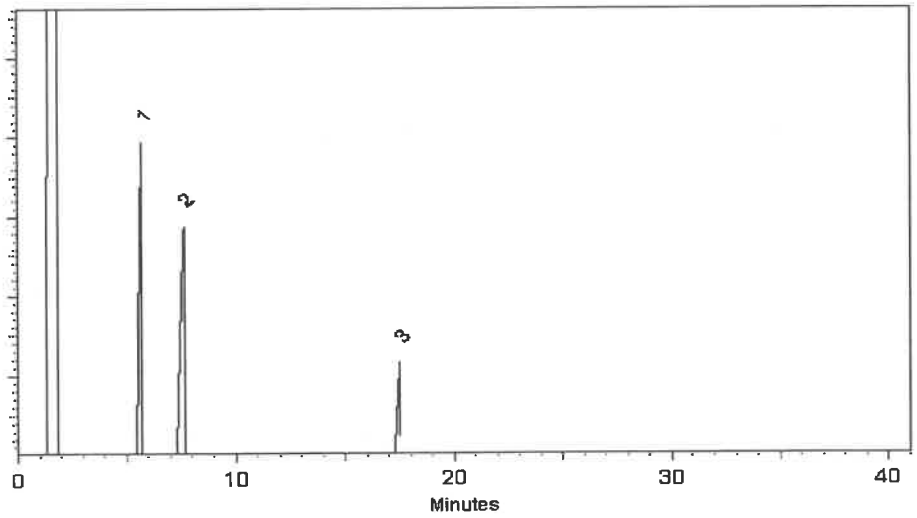
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

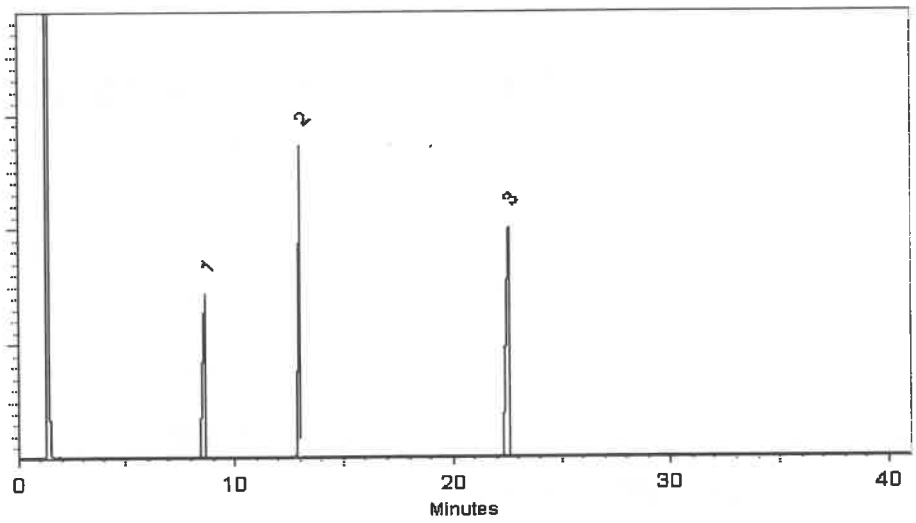
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

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Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

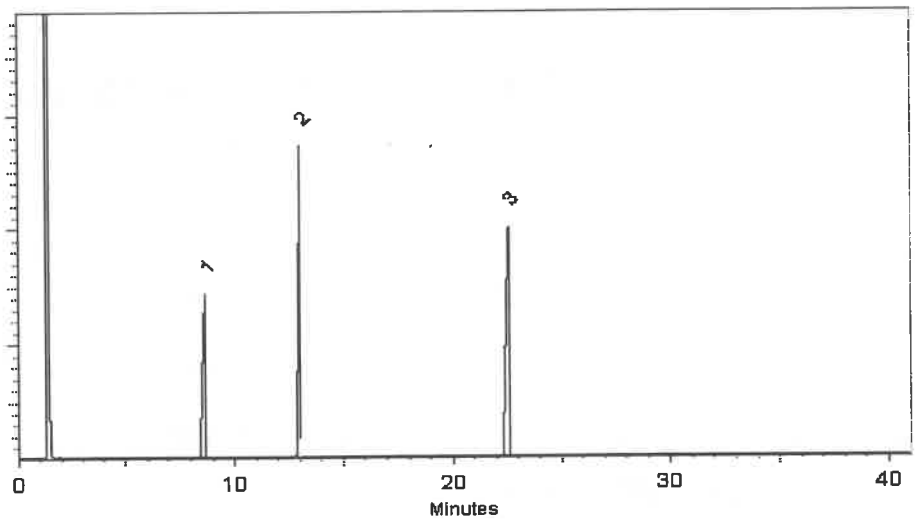
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate of Analysis

chromatographic plus

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Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

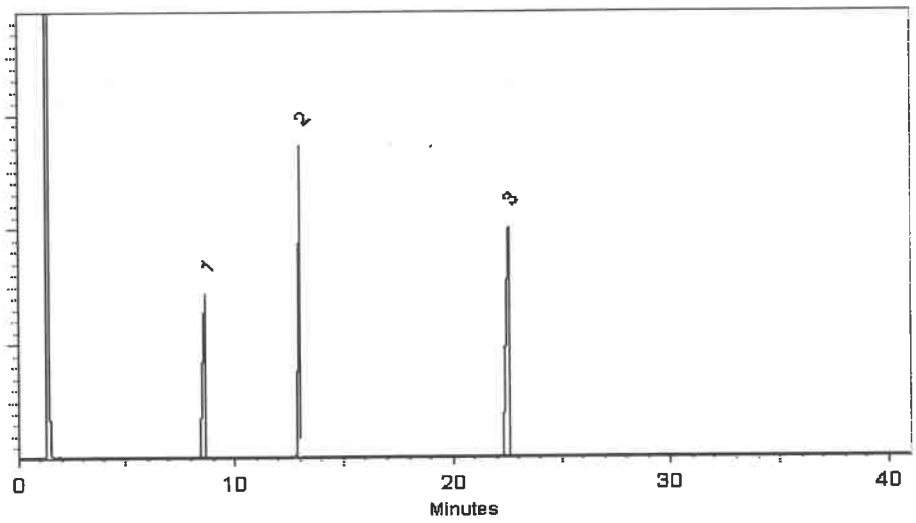
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate of Analysis

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Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

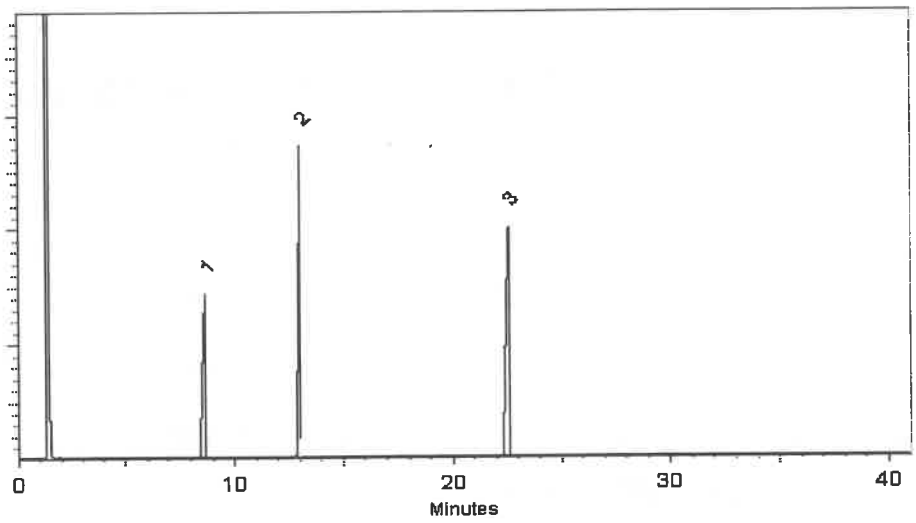
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CERTIFIED REFERENCE MATERIAL

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Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

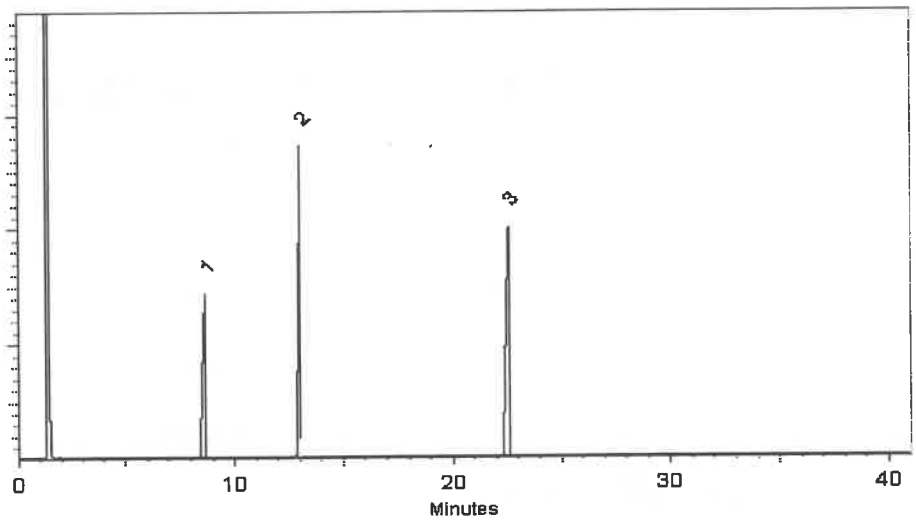
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Fax: 1-814-353-1309

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ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

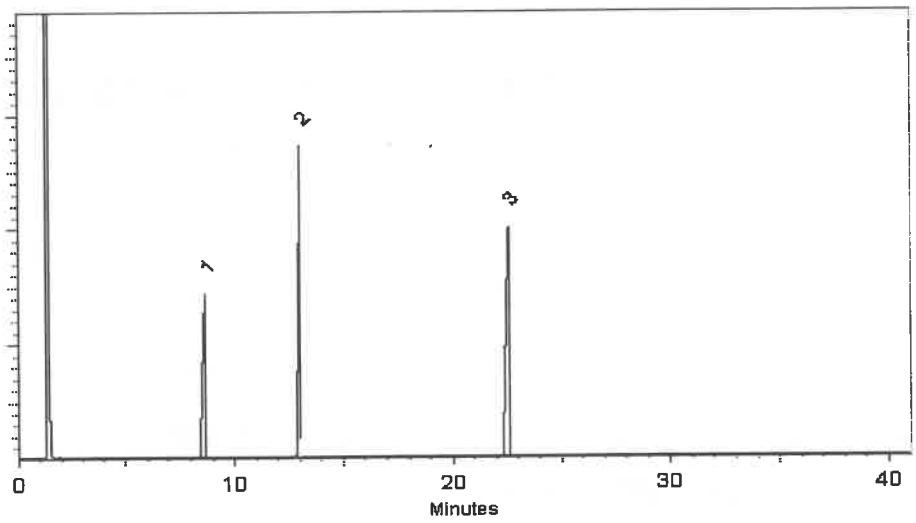
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

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@ 10°C/min. (hold 10 min.)

Inj. Temp:
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Det. Type:
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Split Vent:
2 ml/min.

Inj. Vol
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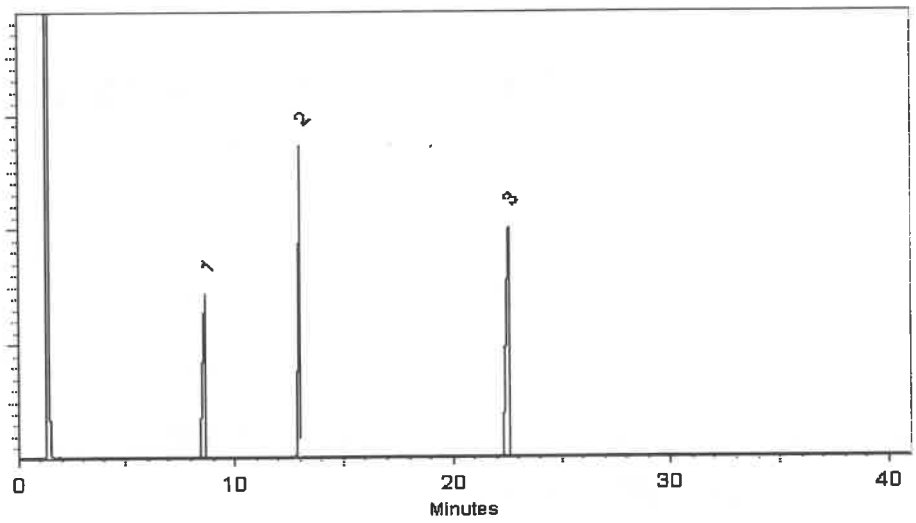

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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate of Analysis

chromatographic plus

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Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
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CAS # 75-09-2
Purity 99%

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Split Vent:
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Inj. Vol
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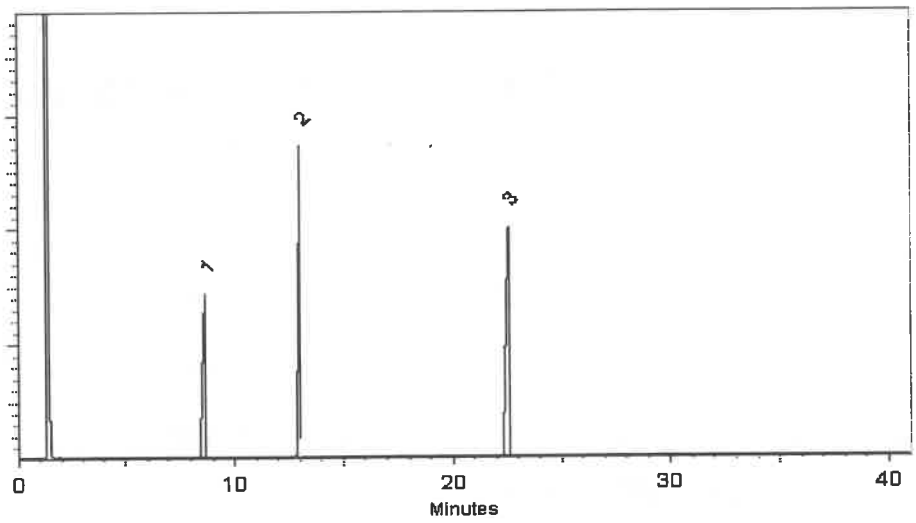

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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	520963	≤ -10 °C	Methylene Chloride	10/10/2028	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1010 ± 9.89
acenaphthylene	208-96-8	97.6	14.290.1P	1014 ± 9.93
aniline	62-53-3	99.97	64.1.4P	1001 ± 9.8
anthracene	120-12-7	99.5	15.7.1P	999.6 ± 9.79
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 9.8
benzo[a]anthracene	56-55-3	100	16.7.3P	1007 ± 9.86
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1011 ± 14.11
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 10.96
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 13.95
benzo[a]pyrene	50-32-8	97	20.286.2P	999.9 ± 22.24
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 9.82
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	1000 ± 14.69
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1003 ± 13.89
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.15P	999.4 ± 14.68
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 9.8
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 17.03
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1.1P	1000 ± 13.85
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 16.79
carbazole	86-74-8	99.4	239.7.2P	1000 ± 9.8

S12270 ↓ S12274 } RC/ 05/24/24

*Not a certified value

Kerry E Kane

Certified By: _____

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
4-chloroaniline	106-47-8	100	66.7.1P	1000 ± 9.79
4-chlorophenylphenyl ether	7005-72-3	98	37.158.2P	1001 ± 17.07
4-chloro-3-methylphenol	59-50-7	99	102.1.2P	1006 ± 17.16
2-chloronaphthalene	91-58-7	99.9	42.7.6P	1000 ± 9.79
2-chlorophenol	95-57-8	99.8	103.7.1P	1007 ± 13.96
chrysene	218-01-9	96	21.286.2P	998.4 ± 12.85
dibenz[a,h]anthracene	53-70-3	99.44	22.286.3P	1000 ± 9.74
dibenzofuran	132-64-9	100	67.7.2.1P	1002 ± 9.77
di-n-butyl phthalate	84-74-2	99.84	40.286.1P	1007 ± 24.48
1,2-dichlorobenzene	95-50-1	99.8	43.7.1P	1000 ± 9.79
1,3-dichlorobenzene	541-73-1	99.5	44.1.3P	999.4 ± 9.79
1,4-dichlorobenzene	106-46-7	99.9	45.29.2P	1000 ± 9.79
2,4-dichlorophenol	120-83-2	99.6	104.7.1.1P	1005 ± 13.93
diethyl phthalate	84-66-2	99.8	38.7.1P	1011 ± 14
2,4-dimethylphenol	105-67-9	99.6	105.7.1.1P	1009 ± 13.98
dimethyl phthalate	131-11-3	99.9	39.9.2P	996.5 ± 13.8
1,2-dinitrobenzene	528-29-0	99.86	86.7.3.1P	999.5 ± 9.75
1,3-dinitrobenzene	99-65-0	100	313.7.2P	998 ± 9.79
1,4-dinitrobenzene	100-25-4	100	907.7.1P	999.5 ± 9.8
2,4-dinitrophenol	51-28-5	99.9	106.1.6DP	1002 ± 13.89
2,4-dinitrotoluene	121-14-2	100	87.7.3P	999.8 ± 13.85
2,6-dinitrotoluene	606-20-2	99.4	88.7.2.1P	999.6 ± 13.85
di-n-octyl phthalate	117-84-0	99.1	41.7.5P	991.6 ± 13.74
diphenylamine	122-39-4	100	78.1.6P	998 ± 13.79
2,3,5,6-tetrachlorophenol	935-95-5	97	1112.286.1P	1004 ± 14.02
fluoranthene	206-44-0	98.6	23.7.4P	999.6 ± 9.79
fluorene	86-73-7	98.4	24.7.1P	999.7 ± 9.79

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
hexachlorobenzene	118-74-1	99	46.158.4P	999.9 ± 13.96
hexachlorobutadiene	87-68-3	97.4	47.1.4P	1000 ± 9.79
hexachlorocyclopentadiene	77-47-4	99.2	48.2.2P	1001 ± 9.8
hexachloroethane	67-72-1	99.9	49.1.4P	1003 ± 9.82
indeno[1,2,3-cd]pyrene	193-39-5	98	25.286.4P	999.4 ± 22.23
isophorone	78-59-1	98.9	90.1.4P	999.9 ± 13.85
2-methyl-4,6-dinitrophenol	534-52-1	99.6	107.421.2DP	991 ± 24.09
1-methylnaphthalene	90-12-0	97.1	249.7.5P	999.2 ± 13.95
2-methylnaphthalene	91-57-6	97.4	68.7.2P	1006 ± 22.38
2-methylphenol	95-48-7	99.6	114.7.3P	1001 ± 13.87
3-methylphenol	108-39-4	99.1	115.7.4P	499.7 ± 6.92
4-methylphenol	106-44-5	99.5	116.7.1P	501.2 ± 6.94
naphthalene	91-20-3	99.8	26.9.1P	1018 ± 9.97
2-nitroaniline	88-74-4	99.7	69.29.1P	999.6 ± 9.79
3-nitroaniline	99-09-2	100	70.7.3P	1000 ± 9.74
4-nitroaniline	100-01-6	99.7	71.29.1P	1001 ± 9.8
nitrobenzene	98-95-3	100	94.7.1P	1000 ± 13.85
2-nitrophenol	88-75-5	99.1	108.29.1P	996.5 ± 13.81
4-nitrophenol	100-02-7	100	109.7.1P	1000 ± 13.82
N-nitrosodimethylamine	62-75-9	99.5	57.3.19P	998.5 ± 14.67
N-nitrosodi-n-propylamine	621-64-7	99.8	59.286.1P	996.8 ± 17
pentachlorophenol	87-86-5	99	110.1.7P	1004 ± 13.92
phenanthrene	85-01-8	99.7	27.1.5P	999 ± 12.87
phenol	108-95-2	100	112.7.1P	998.5 ± 13.8
pyrene	129-00-0	99.2	28.9.2P	998.9 ± 9.78
pyridine	110-86-1	100	101.24.1P	999 ± 9.73
2,3,4,6-Tetrachlorophenol	58-90-2	91.8	120.421.1P	996.5 ± 13.92

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	999.6 ± 9.79
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	999.5 ± 13.85
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	996 ± 13.8

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

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Manufacturer's Quality System
Audited & Registered
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Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

S12275 ↓ S12279 } RC/ 05/24/24

*Not a certified value

Certified By: S. Hunter

Scott Hunter
Chemist

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

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Purity 99%

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Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

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Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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110 Benner Circle
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Fax: 1-814-353-1309

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

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General Certified Reference Material Notes

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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Certificate of Analysis

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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Catalog No. : 31615 **Lot No.:** A0212955

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,004.5 µg/mL	+/- 44.8902
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,004.5 µg/mL	+/- 44.8902
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 44.9572
4	4,4'-DDT	50-29-3	S240530RSR	97%	1,000.1 µg/mL	+/- 44.6922

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12577 ↓ S12579 } RC 8/2/24

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

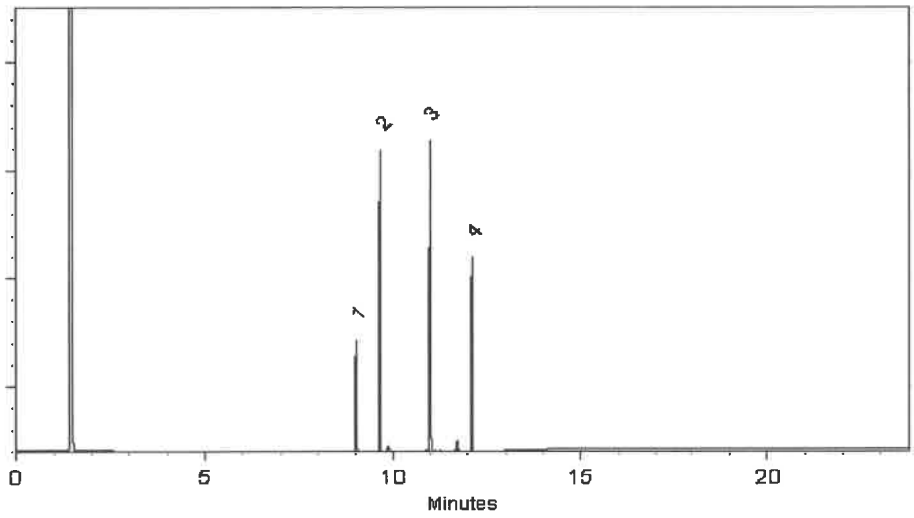
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

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Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

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Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

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Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤-10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

~~S12280~~ → ~~S12284~~ RCI 05/24/24

New numbers Generated.

S12790 → S12794 RCI 11/12/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

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S12963 ↓ S12992 AC 12/17/24

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Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

25-27
30-32

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q1901
COC Number 2046751

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Gannett Fleming
ADDRESS: 1010 Adams Ave
CITY Audubon STATE: PA ZIP: 19403
ATTENTION: Joe Krupnsky
PHONE: 610-301-8342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Amtrak replacement of SB
PROJECT NO.: 95000878 LOCATION: Kearny NJ
PROJECT MANAGER: Joe Krupnsky
e-mail: JaQuc@RamSys.com
PHONE: 610-310-8342 FAX:

CLIENT BILLING INFORMATION

BILL TO: Alliance PO#:
ADDRESS: 284 Sheffield
CITY Mountainside STATE: NJ ZIP: 07092
ATTENTION: Samantha Beasley PHONE: 908-728-3488

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

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B ☐ Other
☐ EDD FORMAT Chem EDD

ANALYSIS

1: TCL-VOLATILES
2: PLABS
3: Cr(VI) Cr(III)
4: TCL-SVOCs BNA
5: TAL Metals
6: EPH
7: TCLP (Full)
8: RCRA (Full)
9:

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	B-170-SB00	S		X	4/26/25	900	4	X									
2.	B-167-SB01	S		X		1000	7	X	X	X	X		X	X	X	X	
3.	B-170-SB01	S		X		1015	7	X	X	X	X		X	X	X	X	
4.	B-167-SB02	S		X		1030	8	X	X	X	X		X	X	X	X	
5.	B-170-SB02	S		X		1145	7	X	X	X	X		X	X	X	X	
6.	FB04262025	DI W				1215	11	X	X	X	X	X	X	X	X	X	pH 1-3
7.	TB04262025	DI W				NA	2	X									
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.	4/26/25 1315	1 4-28-25 0700
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.0 °C
Comments: Trip Blank # 1 "Adjust Factor + 1"

Page _____ of
CLIENT: ☐ Hand Delivered ☐ Other
Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1901 PORT06
Client Name : Portal Partners Tri-Venture
Client Contact : Joseph Krupansky
Invoice Name : Portal Partners Tri-Venture
Invoice Contact : Joseph Krupansky

Order Date : 4/28/2025 10:24:00 AM
Project Name : Amtrak Sawtooth Bridges 2
Receive DateTime : 4/28/2025 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
Q1901-01	B-170-SB00	Solid	04/26/2025	09:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1901-02	B-167-SB01	Solid	04/26/2025	10:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1901-03	B-170-SB01	Solid	04/26/2025	10:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1901-04	B-167-SB02	Solid	04/26/2025	10:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1901-05	B-170-SB02	Solid	04/26/2025	11:45					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1901-06	FB04262025	Water	04/26/2025	12:15					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q1901-07	TB04262025	Water	04/26/2025	00:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

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Fax : 908 789 8922

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Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : CP
Date / Time : 4/28/25 11:45

Received By : JC
Date / Time : 4/28/25 1145

Storage Area : VOA Refridgerator Room