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

Order ID : Q2458

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number	Client Sample Number
Q2458-01	TP-76
Q2458-02	TP-55
Q2458-03	TP-68
Q2458-04	TP-67
Q2458-05	TP-66
Q2458-06	TP-60
Q2458-07	TP-62
Q2458-08	TP-63
Q2458-09	TP-59
Q2458-10	FB-06272025

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: 7/9/2025

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 #: **Q2458**

	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: **PRADIP PRAJAPATI** **Date:** **07/09/2025**

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LAB CHRONICLE

OrderID:	Q2458	**OrderDate:**	6/27/2025 4:22:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	D51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2458-01	**TP-76**	**SOIL**			**06/26/25**			**06/27/25**
			SVOC-TCL BNA -20	8270E		07/01/25	07/02/25	
Q2458-02	**TP-55**	**SOIL**			**06/26/25**			**06/27/25**
			SVOC-TCL BNA -20	8270E		07/01/25	07/02/25	
Q2458-03	**TP-68**	**SOIL**			**06/27/25**			**06/27/25**
			SVOC-TCL BNA -20	8270E		07/01/25	07/02/25	
Q2458-04	**TP-67**	**SOIL**			**06/27/25**			**06/27/25**
			SVOC-TCL BNA -20	8270E		07/01/25	07/02/25	
Q2458-05	**TP-66**	**SOIL**			**06/27/25**			**06/27/25**
			SVOC-TCL BNA -20	8270E		07/01/25	07/02/25	
Q2458-06	**TP-60**	**SOIL**			**06/27/25**			**06/27/25**
			SVOC-TCL BNA -20	8270E		07/01/25	07/01/25	
Q2458-07	**TP-62**	**SOIL**			**06/27/25**			**06/27/25**
			SVOC-TCL BNA -20	8270E		07/01/25	07/01/25	
Q2458-08	**TP-63**	**SOIL**			**06/27/25**			**06/27/25**
			SVOC-TCL BNA -20	8270E		07/01/25	07/01/25	
Q2458-09	**TP-59**	**SOIL**			**06/27/25**			**06/27/25**
			SVOC-TCL BNA -20	8270E		07/01/25	07/02/25	
Q2458-10	**FB-06272025**	**Water**			**06/27/25**			**06/27/25**
			SVOC-TCL BNA -20	8270E		07/03/25	07/03/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2458

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : TP-76									
Q2458-01	TP-76	SOIL	Phenanthrene		130.000	J	23	190	ug/Kg
Q2458-01	TP-76	SOIL	Fluoranthene		380.000		33.1	190	ug/Kg
Q2458-01	TP-76	SOIL	Pyrene		390.000		39.7	190	ug/Kg
Q2458-01	TP-76	SOIL	Benzo(a)anthracene		320.000		25.4	190	ug/Kg
Q2458-01	TP-76	SOIL	Chrysene		320.000		21.9	190	ug/Kg
Q2458-01	TP-76	SOIL	Benzo(b)fluoranthene		450.000		20.9	190	ug/Kg
Q2458-01	TP-76	SOIL	Benzo(k)fluoranthene		140.000	J	24.7	190	ug/Kg
Q2458-01	TP-76	SOIL	Benzo(a)pyrene		310.000		32.5	190	ug/Kg
Q2458-01	TP-76	SOIL	Indeno(1,2,3-cd)pyrene		110.000	J	32.1	190	ug/Kg
Q2458-01	TP-76	SOIL	Benzo(g,h,i)perylene		150.000	J	28.3	190	ug/Kg
			Total Svoc :		**2,700.00**				
Q2458-01	TP-76	SOIL	11H-Benzo[a]fluoren-11-one	*	130.000	J	0	0	ug/Kg
Q2458-01	TP-76	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	220.000	AB	0	0	ug/Kg
Q2458-01	TP-76	SOIL	9,10-Dimethylanthracene	*	130.000	J	0	0	ug/Kg
Q2458-01	TP-76	SOIL	Anthracene, 1-methyl-	*	88.900	J	0	0	ug/Kg
Q2458-01	TP-76	SOIL	Benzo[e]pyrene	*	250.000	J	0	0	ug/Kg
Q2458-01	TP-76	SOIL	Benzophenone	*	210.000	J	0	0	ug/Kg
Q2458-01	TP-76	SOIL	Fluoranthene, 2-methyl-	*	77.900	J	0	0	ug/Kg
Q2458-01	TP-76	SOIL	Pyrene, 1-methyl-	*	81.200	J	0	0	ug/Kg
Q2458-01	TP-76	SOIL	unknown16.698	*	92.200	J	0	0	ug/Kg
Q2458-01	TP-76	SOIL	Phenanthrene, 1-methyl-	*	250.000	J	0	0	ug/Kg
Q2458-01	TP-76	SOIL	Phenanthrene, 2,7-dimethyl-	*	85.200	J	0	0	ug/Kg
			Total Tics :		**1,615.40**				
			Total Concentration:		**4,315.40**				
Client ID : TP-55									
Q2458-02	TP-55	SOIL	Fluoranthene		190.000		32.7	190	ug/Kg
Q2458-02	TP-55	SOIL	Pyrene		200.000		39.3	190	ug/Kg
Q2458-02	TP-55	SOIL	Benzo(a)anthracene		170.000	J	25.1	190	ug/Kg
Q2458-02	TP-55	SOIL	Chrysene		140.000	J	21.7	190	ug/Kg
Q2458-02	TP-55	SOIL	Benzo(b)fluoranthene		270.000		20.7	190	ug/Kg
Q2458-02	TP-55	SOIL	Benzo(k)fluoranthene		98.300	J	24.4	190	ug/Kg
Q2458-02	TP-55	SOIL	Benzo(a)pyrene		200.000		32.2	190	ug/Kg
Q2458-02	TP-55	SOIL	Indeno(1,2,3-cd)pyrene		93.100	J	31.7	190	ug/Kg
Q2458-02	TP-55	SOIL	Benzo(g,h,i)perylene		130.000	J	28	190	ug/Kg
			Total Svoc :		**1,491.40**				
Q2458-02	TP-55	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	210.000	AB	0	0	ug/Kg
Q2458-02	TP-55	SOIL	Benzophenone	*	210.000	J	0	0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2458

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2458-02	TP-55	SOIL	n-Hexadecanoic acid	*	260.000	J	0	0	ug/Kg
Q2458-02	TP-55	SOIL	Trifluoroacetoxy hexadecane	*	130.000	J	0	0	ug/Kg
			Total Tics :		**810.00**				
			Total Concentration:		**2,301.40**				
Client ID :	**TP-68**								
Q2458-03	TP-68	SOIL	Phenanthrene		210.000		22.6	180	ug/Kg
Q2458-03	TP-68	SOIL	Fluoranthene		540.000		32.4	180	ug/Kg
Q2458-03	TP-68	SOIL	Pyrene		390.000		38.9	180	ug/Kg
Q2458-03	TP-68	SOIL	Benzo(a)anthracene		340.000		24.9	180	ug/Kg
Q2458-03	TP-68	SOIL	Chrysene		290.000		21.5	180	ug/Kg
Q2458-03	TP-68	SOIL	Benzo(b)fluoranthene		440.000		20.6	180	ug/Kg
Q2458-03	TP-68	SOIL	Benzo(a)pyrene		270.000		31.9	180	ug/Kg
Q2458-03	TP-68	SOIL	Indeno(1,2,3-cd)pyrene		74.000	J	31.5	180	ug/Kg
Q2458-03	TP-68	SOIL	Benzo(g,h,i)perylene		95.200	J	27.8	180	ug/Kg
			Total Svoc :		**2,649.20**				
Q2458-03	TP-68	SOIL	11H-Benzo[a]fluoren-11-one	*	82.200	J	0	0	ug/Kg
Q2458-03	TP-68	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	210.000	AB	0	0	ug/Kg
Q2458-03	TP-68	SOIL	4H-Cyclopenta[def]phenanthrene	*	140.000	J	0	0	ug/Kg
Q2458-03	TP-68	SOIL	Anthracene, 1-methyl-	*	200.000	J	0	0	ug/Kg
Q2458-03	TP-68	SOIL	Pyrene, 1-methyl-	*	76.400	J	0	0	ug/Kg
Q2458-03	TP-68	SOIL	unknown17.356	*	88.000	J	0	0	ug/Kg
Q2458-03	TP-68	SOIL	Benzo[e]pyrene	*	190.000	J	0	0	ug/Kg
Q2458-03	TP-68	SOIL	Benzophenone	*	170.000	J	0	0	ug/Kg
			Total Tics :		**1,156.60**				
			Total Concentration:		**3,805.80**				
Client ID :	**TP-67**								
Q2458-04	TP-67	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	280.000	AB	0	0	ug/Kg
Q2458-04	TP-67	SOIL	Benzophenone	*	250.000	J	0	0	ug/Kg
Q2458-04	TP-67	SOIL	Heptafluorobutyric acid, pentadec	*	210.000	J	0	0	ug/Kg
Q2458-04	TP-67	SOIL	n-Hexadecanoic acid	*	130.000	J	0	0	ug/Kg
			Total Tics :		**870.00**				
			Total Concentration:		**870.00**				
Client ID :	**TP-66**								
Q2458-05	TP-66	SOIL	Phenanthrene		120.000	J	23.6	190	ug/Kg
Q2458-05	TP-66	SOIL	Fluoranthene		620.000		33.9	190	ug/Kg
Q2458-05	TP-66	SOIL	Pyrene		650.000		40.7	190	ug/Kg
Q2458-05	TP-66	SOIL	Benzo(a)anthracene		550.000		26	190	ug/Kg
Q2458-05	TP-66	SOIL	Chrysene		570.000		22.5	190	ug/Kg
Q2458-05	TP-66	SOIL	Benzo(b)fluoranthene		770.000		21.5	190	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2458

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2458-05	TP-66	SOIL	Benzo(k)fluoranthene		240.000		25.3	190	ug/Kg
Q2458-05	TP-66	SOIL	Benzo(a)pyrene		540.000		33.3	190	ug/Kg
Q2458-05	TP-66	SOIL	Indeno(1,2,3-cd)pyrene		170.000	J	32.9	190	ug/Kg
Q2458-05	TP-66	SOIL	Benzo(g,h,i)perylene		210.000		29	190	ug/Kg
			Total Svoc :		**4,440.00**				
Q2458-05	TP-66	SOIL	11H-Benzo[a]fluoren-11-one	*	82.900	J	0	0	ug/Kg
Q2458-05	TP-66	SOIL	11H-Benzo[b]fluorene	*	82.500	J	0	0	ug/Kg
Q2458-05	TP-66	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	200.000	AB	0	0	ug/Kg
Q2458-05	TP-66	SOIL	4H-Cyclopenta[def]phenanthrene	*	130.000	J	0	0	ug/Kg
Q2458-05	TP-66	SOIL	6H-Benz[de]anthracen-6-one	*	110.000	J	0	0	ug/Kg
Q2458-05	TP-66	SOIL	Anthracene, 1-methyl-	*	77.200	J	0	0	ug/Kg
Q2458-05	TP-66	SOIL	Anthracene, 2-methyl-	*	160.000	J	0	0	ug/Kg
Q2458-05	TP-66	SOIL	Benz[a]anthracene, 7-methyl-	*	130.000	J	0	0	ug/Kg
Q2458-05	TP-66	SOIL	Benzo[b]naphtho[2,1-d]thiophene	*	93.000	J	0	0	ug/Kg
Q2458-05	TP-66	SOIL	Benzo[e]pyrene	*	410.000	J	0	0	ug/Kg
Q2458-05	TP-66	SOIL	Benzophenone	*	180.000	J	0	0	ug/Kg
Q2458-05	TP-66	SOIL	Pyrene, 1-methyl-	*	120.000	J	0	0	ug/Kg
Q2458-05	TP-66	SOIL	Pyrene, 2-methyl-	*	110.000	J	0	0	ug/Kg
Q2458-05	TP-66	SOIL	Pyrene, 4-methyl-	*	81.700	J	0	0	ug/Kg
Q2458-05	TP-66	SOIL	unknown12.545	*	97.200	J	0	0	ug/Kg
Q2458-05	TP-66	SOIL	Fluoranthene, 2-methyl-	*	160.000	J	0	0	ug/Kg
Q2458-05	TP-66	SOIL	Perylene	*	76.100	J	0	0	ug/Kg
Q2458-05	TP-66	SOIL	Phenanthrene, 2,5-dimethyl-	*	170.000	J	0	0	ug/Kg
Q2458-05	TP-66	SOIL	Phenanthrene, 3,6-dimethyl-	*	100.000	J	0	0	ug/Kg
			Total Tics :		**2,570.60**				
			Total Concentration:		**7,010.60**				
Client ID :	**TP-60**								
Q2458-06	TP-60	SOIL	Phenanthrene		150.000	J	22.6	180	ug/Kg
Q2458-06	TP-60	SOIL	Fluoranthene		750.000		32.4	180	ug/Kg
Q2458-06	TP-60	SOIL	Pyrene		460.000		38.9	180	ug/Kg
Q2458-06	TP-60	SOIL	Benzo(a)anthracene		360.000		24.8	180	ug/Kg
Q2458-06	TP-60	SOIL	Chrysene		360.000		21.5	180	ug/Kg
Q2458-06	TP-60	SOIL	Benzo(b)fluoranthene		590.000		20.5	180	ug/Kg
Q2458-06	TP-60	SOIL	Benzo(k)fluoranthene		240.000		24.2	180	ug/Kg
Q2458-06	TP-60	SOIL	Benzo(a)pyrene		400.000		31.8	180	ug/Kg
Q2458-06	TP-60	SOIL	Indeno(1,2,3-cd)pyrene		200.000		31.4	180	ug/Kg
Q2458-06	TP-60	SOIL	Benzo(g,h,i)perylene		270.000		27.7	180	ug/Kg
			Total Svoc :		**3,780.00**				
Q2458-06	TP-60	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	210.000	AB	0	0	ug/Kg
Q2458-06	TP-60	SOIL	4H-Cyclopenta[def]phenanthrene	*	100.000	J	0	0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2458

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2458-06	TP-60	SOIL	Benzophenone	*	200.000	J	0	0	ug/Kg
Q2458-06	TP-60	SOIL	Biphenylene	*	76.300	J	0	0	ug/Kg
Q2458-06	TP-60	SOIL	Tridecane, 5-propyl-	*	75.200	J	0	0	ug/Kg
Q2458-06	TP-60	SOIL	n-Hexadecanoic acid	*	330.000	J	0	0	ug/Kg
			Total Tics :		**991.50**				
			Total Concentration:		**4,771.50**				
Client ID :	**TP-62**								
Q2458-07	TP-62	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	190.000	AB	0	0	ug/Kg
Q2458-07	TP-62	SOIL	Benzophenone	*	160.000	J	0	0	ug/Kg
Q2458-07	TP-62	SOIL	Heptadecyl heptafluorobutyrate	*	190.000	J	0	0	ug/Kg
Q2458-07	TP-62	SOIL	n-Hexadecanoic acid	*	310.000	J	0	0	ug/Kg
			Total Tics :		**850.00**				
			Total Concentration:		**850.00**				
Client ID :	**TP-63**								
Q2458-08	TP-63	SOIL	Phenanthrene		970.000	J	120	980	ug/Kg
Q2458-08	TP-63	SOIL	Fluoranthene		1,700.000		170	980	ug/Kg
Q2458-08	TP-63	SOIL	Pyrene		1,000.000		210	980	ug/Kg
Q2458-08	TP-63	SOIL	Benzo(a)anthracene		590.000	J	130	980	ug/Kg
Q2458-08	TP-63	SOIL	Chrysene		510.000	J	110	980	ug/Kg
Q2458-08	TP-63	SOIL	Benzo(b)fluoranthene		650.000	J	110	980	ug/Kg
Q2458-08	TP-63	SOIL	Benzo(a)pyrene		530.000	J	170	980	ug/Kg
			Total Svoc :		**5,950.00**				
Q2458-08	TP-63	SOIL	Phenanthrene, 2-methyl-	*	400.000	J	0	0	ug/Kg
			Total Tics :		**400.00**				
			Total Concentration:		**6,350.00**				
Client ID :	**TP-59**								
Q2458-09	TP-59	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	250.000	AB	0	0	ug/Kg
Q2458-09	TP-59	SOIL	Benzene, 1,1-methylenebis[2-metl	*	99.800	J	0	0	ug/Kg
Q2458-09	TP-59	SOIL	Benzophenone	*	280.000	J	0	0	ug/Kg
Q2458-09	TP-59	SOIL	Heptafluorobutyric acid, pentadec	*	280.000	J	0	0	ug/Kg
Q2458-09	TP-59	SOIL	n-Hexadecanoic acid	*	120.000	J	0	0	ug/Kg
			Total Tics :		**1,029.80**				
			Total Concentration:		**1,029.80**				
Client ID :	**FB-06272025**								
Q2458-10	FB-06272025	WATER	2,4,7,9-Tetramethyl-5-decyn-4,7-c	*	2.600	J	0	0	ug/L
Q2458-10	FB-06272025	WATER	2,4-Diethyl-6-methyl-1,3,5-trioxa	*	3.900	J	0	0	ug/L
Q2458-10	FB-06272025	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	4.300	AB	0	0	ug/L
Q2458-10	FB-06272025	WATER	2-Propanol, 1,1-[(1-methyl-1,2-et	*	2.700	J	0	0	ug/L
			Total Tics :		**13.50**				

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Hit Summary Sheet
SW-846

SDG No.: Q2458

Client: CDM Smith

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
		Total Concentration:	**13.50**				

QC
SUMMARY

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

SW-846

SDG No.: Q2458

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
PB168674BL	PB168674BL	2-Fluorophenol	150	123	82		18	112
		Phenol-d6	150	122	81		15	107
		Nitrobenzene-d5	100	75.3	75		18	107
		2-Fluorobiphenyl	100	76.1	76		20	109
		2,4,6-Tribromophenol	150	121	81		10	116
		Terphenyl-d14	100	75.1	75		10	105
PB168674BS	PB168674BS	2-Fluorophenol	150	117	78		18	112
		Phenol-d6	150	119	79		15	107
		Nitrobenzene-d5	100	76.0	76		18	107
		2-Fluorobiphenyl	100	78.0	78		20	109
		2,4,6-Tribromophenol	150	125	83		10	116
		Terphenyl-d14	100	74.8	75		10	105
Q2458-01	TP-76	2-Fluorophenol	150	80.3	54		18	112
		Phenol-d6	150	82.8	55		15	107
		Nitrobenzene-d5	100	51.7	52		18	107
		2-Fluorobiphenyl	100	53.5	53		20	109
		2,4,6-Tribromophenol	150	79.4	53		10	116
		Terphenyl-d14	100	37.0	37		10	105
Q2458-02	TP-55	2-Fluorophenol	150	77.6	52		18	112
		Phenol-d6	150	76.8	51		15	107
		Nitrobenzene-d5	100	52.9	53		18	107
		2-Fluorobiphenyl	100	55.6	56		20	109
		2,4,6-Tribromophenol	150	82.2	55		10	116
		Terphenyl-d14	100	52.0	52		10	105
Q2458-03	TP-68	2-Fluorophenol	150	77.3	52		18	112
		Phenol-d6	150	75.8	51		15	107
		Nitrobenzene-d5	100	46.9	47		18	107
		2-Fluorobiphenyl	100	46.9	47		20	109
		2,4,6-Tribromophenol	150	67.4	45		10	116
		Terphenyl-d14	100	31.9	32		10	105
Q2458-04	TP-67	2-Fluorophenol	150	87.4	58		18	112
		Phenol-d6	150	88.6	59		15	107
		Nitrobenzene-d5	100	53.7	54		18	107
		2-Fluorobiphenyl	100	55.9	56		20	109
		2,4,6-Tribromophenol	150	94.1	63		10	116
		Terphenyl-d14	100	57.0	57		10	105
Q2458-04MS	TP-67MS	2-Fluorophenol	150	79.4	53		18	112
		Phenol-d6	150	81.1	54		15	107
		Nitrobenzene-d5	100	50.8	51		18	107
		2-Fluorobiphenyl	100	51.1	51		20	109
		2,4,6-Tribromophenol	150	89.2	59		10	116
		Terphenyl-d14	100	50.0	50		10	105
Q2458-04MSD	TP-67MSD	2-Fluorophenol	150	74.7	50		18	112
		Phenol-d6	150	76.4	51		15	107
		Nitrobenzene-d5	100	46.7	47		18	107
		2-Fluorobiphenyl	100	48.2	48		20	109
		2,4,6-Tribromophenol	150	81.8	55		10	116
		Terphenyl-d14	100	46.6	47		10	105
Q2458-05	TP-66	2-Fluorophenol	150	69.3	46		18	112
		Phenol-d6	150	71.3	48		15	107
		Nitrobenzene-d5	100	44.3	44		18	107

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Surrogate Summary

SW-846

SDG No.: Q2458

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2458-05	TP-66	2-Fluorobiphenyl	100	41.9	42		20	109
		2,4,6-Tribromophenol	150	64.0	43		10	116
		Terphenyl-d14	100	28.5	28		10	105
Q2458-06	TP-60	2-Fluorophenol	150	73.3	49		18	112
		Phenol-d6	150	67.8	45		15	107
		Nitrobenzene-d5	100	46.6	47		18	107
		2-Fluorobiphenyl	100	46.5	47		20	109
		2,4,6-Tribromophenol	150	86.4	58		10	116
		Terphenyl-d14	100	40.3	40		10	105
Q2458-07	TP-62	2-Fluorophenol	150	65.6	44		18	112
		Phenol-d6	150	61.0	41		15	107
		Nitrobenzene-d5	100	45.1	45		18	107
		2-Fluorobiphenyl	100	48.1	48		20	109
		2,4,6-Tribromophenol	150	76.5	51		10	116
		Terphenyl-d14	100	30.2	30		10	105
Q2458-08	TP-63	2-Fluorophenol	150	68.4	46		18	112
		Phenol-d6	150	62.7	42		15	107
		Nitrobenzene-d5	100	38.3	38		18	107
		2-Fluorobiphenyl	100	40.0	40		20	109
		2,4,6-Tribromophenol	150	76.8	51		10	116
		Terphenyl-d14	100	40.9	41		10	105
Q2458-09	TP-59	2-Fluorophenol	150	77.4	52		18	112
		Phenol-d6	150	78.5	52		15	107
		Nitrobenzene-d5	100	47.9	48		18	107
		2-Fluorobiphenyl	100	48.6	49		20	109
		2,4,6-Tribromophenol	150	83.1	55		10	116
		Terphenyl-d14	100	50.6	51		10	105

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Surrogate Summary

SW-846

SDG No.: Q2458

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168716BL	PB168716BL	2-Fluorophenol	150	129	86		23	138
		Phenol-d6	150	129	86		10	134
		Nitrobenzene-d5	100	79.8	80		67	132
		2-Fluorobiphenyl	100	78.6	79		52	132
		2,4,6-Tribromophenol	150	136	91		44	137
		Terphenyl-d14	100	88.2	88		42	152
PB168716BS	PB168716BS	2-Fluorophenol	150	128	85		23	138
		Phenol-d6	150	130	87		10	134
		Nitrobenzene-d5	100	82.0	82		67	132
		2-Fluorobiphenyl	100	82.2	82		52	132
		2,4,6-Tribromophenol	150	138	92		44	137
		Terphenyl-d14	100	87.6	88		42	152
PB168716BSD	PB168716BSD	2-Fluorophenol	150	116	77		23	138
		Phenol-d6	150	116	78		10	134
		Nitrobenzene-d5	100	74.9	75		67	132
		2-Fluorobiphenyl	100	75.5	75		52	132
		2,4,6-Tribromophenol	150	128	85		44	137
		Terphenyl-d14	100	81.6	82		42	152
Q2458-10	FB-06272025	2-Fluorophenol	150	65.5	44		23	138
		Phenol-d6	150	41.0	27		10	134
		Nitrobenzene-d5	100	88.3	88		67	132
		2-Fluorobiphenyl	100	83.7	84		52	132
		2,4,6-Tribromophenol	150	141	94		44	137
		Terphenyl-d14	100	86.4	86		42	152

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2458 **Analytical Method:** SW8270E

Client: CDM Smith **DataFile:** BF142970.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2458-04MS		**Client Sample ID: TP-67MS**									
Benzaldehyde	1900	0	1100	ug/Kg	58				10	171	
Phenol	1900	0	1700	ug/Kg	89				51	122	
bis(2-Chloroethyl)ether	1900	0	1700	ug/Kg	89				54	125	
2-Chlorophenol	1900	0	1700	ug/Kg	89				51	121	
2-Methylphenol	1900	0	1700	ug/Kg	89				47	125	
2,2-oxybis(1-Chloropropane)	1900	0	1600	ug/Kg	84				46	119	
Acetophenone	1900	0	1800	ug/Kg	95				55	128	
3+4-Methylphenols	1900	0	1800	ug/Kg	95				49	125	
N-Nitroso-di-n-propylamine	1900	0	1700	ug/Kg	89				59	119	
Hexachloroethane	1900	0	1700	ug/Kg	89				51	116	
Nitrobenzene	1900	0	1700	ug/Kg	89				47	124	
Isophorone	1900	0	1700	ug/Kg	89				49	127	
2-Nitrophenol	1900	0	1800	ug/Kg	95				43	131	
2,4-Dimethylphenol	1900	0	1800	ug/Kg	95				63	151	
bis(2-Chloroethoxy)methane	1900	0	1700	ug/Kg	89				51	119	
2,4-Dichlorophenol	1900	0	1800	ug/Kg	95				50	122	
Naphthalene	1900	0	1700	ug/Kg	89				51	121	
4-Chloroaniline	1900	0	670	ug/Kg	35				10	100	
Hexachlorobutadiene	1900	0	1800	ug/Kg	95				44	126	
Caprolactam	1900	0	2000	ug/Kg	105				51	134	
4-Chloro-3-methylphenol	1900	0	1800	ug/Kg	95				57	132	
2-Methylnaphthalene	1900	0	1700	ug/Kg	89				59	123	
Hexachlorocyclopentadiene	3700	0	3300	ug/Kg	89				10	175	
2,4,6-Trichlorophenol	1900	0	1800	ug/Kg	95				33	141	
2,4,5-Trichlorophenol	1900	0	1700	ug/Kg	89				38	135	
1,1-Biphenyl	1900	0	1700	ug/Kg	89				55	131	
2-Chloronaphthalene	1900	0	1700	ug/Kg	89				48	124	
2-Nitroaniline	1900	0	1800	ug/Kg	95				47	134	
Dimethylphthalate	1900	0	1800	ug/Kg	95				54	120	
Acenaphthylene	1900	0	1700	ug/Kg	89				57	125	
2,6-Dinitrotoluene	1900	0	1900	ug/Kg	100				48	127	
3-Nitroaniline	1900	0	1000	ug/Kg	53				10	112	
Acenaphthene	1900	0	1900	ug/Kg	100				70	121	
2,4-Dinitrophenol	3700	0	3700	ug/Kg	100				10	155	
4-Nitrophenol	3700	0	3700	ug/Kg	100				10	175	
Dibenzofuran	1900	0	1800	ug/Kg	95				52	114	
2,4-Dinitrotoluene	1900	0	1900	ug/Kg	100				41	140	
Diethylphthalate	1900	0	1900	ug/Kg	100				51	119	
4-Chlorophenyl-phenylether	1900	0	1800	ug/Kg	95				48	122	
Fluorene	1900	0	1800	ug/Kg	95				53	118	
4-Nitroaniline	1900	0	1900	ug/Kg	100				29	140	
4,6-Dinitro-2-methylphenol	1900	0	1800	ug/Kg	95				10	160	
N-Nitrosodiphenylamine	1900	0	1800	ug/Kg	95				73	118	
4-Bromophenyl-phenylether	1900	0	1800	ug/Kg	95				65	121	
Hexachlorobenzene	1900	0	1800	ug/Kg	95				67	118	
Atrazine	1900	0	2100	ug/Kg	111				45	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2458 **Analytical Method:** SW8270E

Client: CDM Smith **DataFile:** BF142970.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	3700	0	3400	ug/Kg	92				13	153	
Phenanthrene	1900	0	1800	ug/Kg	95				52	128	
Anthracene	1900	0	1800	ug/Kg	95				62	124	
Carbazole	1900	0	1800	ug/Kg	95				59	119	
Di-n-butylphthalate	1900	0	2100	ug/Kg	111				55	125	
Fluoranthene	1900	0	1800	ug/Kg	95				44	125	
Pyrene	1900	0	1700	ug/Kg	89				37	122	
Butylbenzylphthalate	1900	0	2100	ug/Kg	111				44	135	
3,3-Dichlorobenzidine	1900	0	620	ug/Kg	33				15	112	
Benzo(a)anthracene	1900	0	1800	ug/Kg	95				53	119	
Chrysene	1900	0	1800	ug/Kg	95				57	121	
bis(2-Ethylhexyl)phthalate	1900	0	1900	ug/Kg	100				42	169	
Di-n-octyl phthalate	1900	0	1500	ug/Kg	79				51	156	
Benzo(b)fluoranthene	1900	0	1900	ug/Kg	100				52	117	
Benzo(k)fluoranthene	1900	0	1900	ug/Kg	100				57	134	
Benzo(a)pyrene	1900	0	1800	ug/Kg	95				70	142	
Indeno(1,2,3-cd)pyrene	1900	0	1600	ug/Kg	84				40	129	
Dibenz(a,h)anthracene	1900	0	1600	ug/Kg	84				43	123	
Benzo(g,h,i)perylene	1900	0	1600	ug/Kg	84				24	125	
1,2,4,5-Tetrachlorobenzene	1900	0	1800	ug/Kg	95				52	134	
1,4-Dioxane	1900	0	1400	ug/Kg	74				46	112	
2,3,4,6-Tetrachlorophenol	1900	0	1800	ug/Kg	95				24	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2458 **Analytical Method:** SW8270E

Client: CDM Smith **DataFile:** BF142971.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2458-04MSD		**Client Sample ID: TP-67MSD**									
Benzaldehyde	1900	0	1000	ug/Kg	53		9		10	171	20
Phenol	1900	0	1600	ug/Kg	84		6		51	122	20
bis(2-Chloroethyl)ether	1900	0	1600	ug/Kg	84		6		54	125	20
2-Chlorophenol	1900	0	1600	ug/Kg	84		6		51	121	20
2-Methylphenol	1900	0	1700	ug/Kg	89		0		47	125	20
2,2-oxybis(1-Chloropropane)	1900	0	1500	ug/Kg	79		6		46	119	20
Acetophenone	1900	0	1700	ug/Kg	89		7		55	128	20
3+4-Methylphenols	1900	0	1700	ug/Kg	89		7		49	125	20
N-Nitroso-di-n-propylamine	1900	0	1600	ug/Kg	84		6		59	119	20
Hexachloroethane	1900	0	1600	ug/Kg	84		6		51	116	20
Nitrobenzene	1900	0	1600	ug/Kg	84		6		47	124	20
Isophorone	1900	0	1600	ug/Kg	84		6		49	127	20
2-Nitrophenol	1900	0	1700	ug/Kg	89		7		43	131	20
2,4-Dimethylphenol	1900	0	1600	ug/Kg	84		12		63	151	20
bis(2-Chloroethoxy)methane	1900	0	1600	ug/Kg	84		6		51	119	20
2,4-Dichlorophenol	1900	0	1700	ug/Kg	89		7		50	122	20
Naphthalene	1900	0	1600	ug/Kg	84		6		51	121	20
4-Chloroaniline	1900	0	680	ug/Kg	36		3		10	100	20
Hexachlorobutadiene	1900	0	1600	ug/Kg	84		12		44	126	20
Caprolactam	1900	0	1900	ug/Kg	100		5		51	134	20
4-Chloro-3-methylphenol	1900	0	1700	ug/Kg	89		7		57	132	20
2-Methylnaphthalene	1900	0	1600	ug/Kg	84		6		59	123	20
Hexachlorocyclopentadiene	3700	0	3000	ug/Kg	81		9		10	175	20
2,4,6-Trichlorophenol	1900	0	1600	ug/Kg	84		12		33	141	20
2,4,5-Trichlorophenol	1900	0	1700	ug/Kg	89		0		38	135	20
1,1-Biphenyl	1900	0	1700	ug/Kg	89		0		55	131	20
2-Chloronaphthalene	1900	0	1600	ug/Kg	84		6		48	124	20
2-Nitroaniline	1900	0	1700	ug/Kg	89		7		47	134	20
Dimethylphthalate	1900	0	1800	ug/Kg	95		0		54	120	20
Acenaphthylene	1900	0	1600	ug/Kg	84		6		57	125	20
2,6-Dinitrotoluene	1900	0	1800	ug/Kg	95		5		48	127	20
3-Nitroaniline	1900	0	1000	ug/Kg	53		0		10	112	20
Acenaphthene	1900	0	1800	ug/Kg	95		5		70	121	20
2,4-Dinitrophenol	3700	0	3400	ug/Kg	92		8		10	155	20
4-Nitrophenol	3700	0	3600	ug/Kg	97		3		10	175	20
Dibenzofuran	1900	0	1700	ug/Kg	89		7		52	114	20
2,4-Dinitrotoluene	1900	0	1800	ug/Kg	95		5		41	140	20
Diethylphthalate	1900	0	1800	ug/Kg	95		5		51	119	20
4-Chlorophenyl-phenylether	1900	0	1700	ug/Kg	89		7		48	122	20
Fluorene	1900	0	1700	ug/Kg	89		7		53	118	20
4-Nitroaniline	1900	0	1800	ug/Kg	95		5		29	140	20
4,6-Dinitro-2-methylphenol	1900	0	1600	ug/Kg	84		12		10	160	20
N-Nitrosodiphenylamine	1900	0	1600	ug/Kg	84		12		73	118	20
4-Bromophenyl-phenylether	1900	0	1700	ug/Kg	89		7		65	121	20
Hexachlorobenzene	1900	0	1600	ug/Kg	84		12		67	118	20
Atrazine	1900	0	2000	ug/Kg	105		6		45	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2458 **Analytical Method:** SW8270E

Client: CDM Smith **DataFile:** BF142971.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	3700	0	3100	ug/Kg	84		9		13	153	20
Phenanthrene	1900	0	1700	ug/Kg	89		7		52	128	20
Anthracene	1900	0	1700	ug/Kg	89		7		62	124	20
Carbazole	1900	0	1700	ug/Kg	89		7		59	119	20
Di-n-butylphthalate	1900	0	2000	ug/Kg	105		6		55	125	20
Fluoranthene	1900	0	1700	ug/Kg	89		7		44	125	20
Pyrene	1900	0	1600	ug/Kg	84		6		37	122	20
Butylbenzylphthalate	1900	0	2000	ug/Kg	105		6		44	135	20
3,3-Dichlorobenzidine	1900	0	650	ug/Kg	34		3		15	112	20
Benzo(a)anthracene	1900	0	1700	ug/Kg	89		7		53	119	20
Chrysene	1900	0	1700	ug/Kg	89		7		57	121	20
bis(2-Ethylhexyl)phthalate	1900	0	1800	ug/Kg	95		5		42	169	20
Di-n-octyl phthalate	1900	0	1500	ug/Kg	79		0		51	156	20
Benzo(b)fluoranthene	1900	0	1800	ug/Kg	95		5		52	117	20
Benzo(k)fluoranthene	1900	0	1800	ug/Kg	95		5		57	134	20
Benzo(a)pyrene	1900	0	1700	ug/Kg	89		7		70	142	20
Indeno(1,2,3-cd)pyrene	1900	0	1500	ug/Kg	79		6		40	129	20
Dibenz(a,h)anthracene	1900	0	1500	ug/Kg	79		6		43	123	20
Benzo(g,h,i)perylene	1900	0	1400	ug/Kg	74		13		24	125	20
1,2,4,5-Tetrachlorobenzene	1900	0	1600	ug/Kg	84		12		52	134	20
1,4-Dioxane	1900	0	1300	ug/Kg	68		8		46	112	20
2,3,4,6-Tetrachlorophenol	1900	0	1700	ug/Kg	89		7		24	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2458 **Analytical Method:** 8270E

Client: CDM Smith **DataFile:** BF142991.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168674BS	Benzaldehyde	1700	920	ug/Kg	54				10	133	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1400	ug/Kg	82				65	112	
	2-Methylphenol	1700	1400	ug/Kg	82				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1500	ug/Kg	88				66	98	
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				63	95	
	Hexachloroethane	1700	1400	ug/Kg	82				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1500	ug/Kg	88				46	141	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				66	97	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	890	ug/Kg	52				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	2800	ug/Kg	85				45	165	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99	
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	1000	ug/Kg	59				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	3100	ug/Kg	94				37	128	
	4-Nitrophenol	3300	2700	ug/Kg	82				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1400	ug/Kg	82				64	103	
	4,6-Dinitro-2-methylphenol	1700	1500	ug/Kg	88				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				71	99	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				66	102	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2458 **Analytical Method:** 8270E

Client: CDM Smith **DataFile:** BF142991.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168674BS	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98	
	Atrazine	1700	1700	ug/Kg	100				47	152	
	Pentachlorophenol	3300	2800	ug/Kg	85				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1700	ug/Kg	100				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Pyrene	1700	1400	ug/Kg	82				59	103	
	Butylbenzylphthalate	1700	1800	ug/Kg	106		*		55	103	
	3,3-Dichlorobenzidine	1700	990	ug/Kg	58				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1900	ug/Kg	112				54	135	
	Di-n-octyl phthalate	1700	1800	ug/Kg	106				52	137	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1400	ug/Kg	82				63	101	
	Dibenz(a,h)anthracene	1700	1400	ug/Kg	82				61	112	
	Benzo(g,h,i)perylene	1700	1400	ug/Kg	82				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1400	ug/Kg	82				59	108	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2458 **Analytical Method:** 8270E

Client: CDM Smith **DataFile:** BF143027.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168716BS	Benzaldehyde	50	26.5	ug/L	53				10	162	
	Phenol	50	43.6	ug/L	87				66	118	
	bis(2-Chloroethyl)ether	50	45.7	ug/L	91				62	103	
	2-Chlorophenol	50	45.5	ug/L	91				70	117	
	2-Methylphenol	50	46.1	ug/L	92				69	109	
	2,2-oxybis(1-Chloropropane)	50	41.7	ug/L	83				65	100	
	Acetophenone	50	46.3	ug/L	93				60	104	
	3+4-Methylphenols	50	47.7	ug/L	95				67	106	
	N-Nitroso-di-n-propylamine	50	46.1	ug/L	92				57	107	
	Hexachloroethane	50	45.2	ug/L	90				76	118	
	Nitrobenzene	50	45.3	ug/L	91				58	106	
	Isophorone	50	45.9	ug/L	92				61	102	
	2-Nitrophenol	50	48.1	ug/L	96				70	115	
	2,4-Dimethylphenol	50	45.8	ug/L	92				42	142	
	bis(2-Chloroethoxy)methane	50	45.6	ug/L	91				58	109	
	2,4-Dichlorophenol	50	46.3	ug/L	93				66	115	
	Naphthalene	50	45.8	ug/L	92				64	107	
	4-Chloroaniline	50	29.9	ug/L	60				10	85	
	Hexachlorobutadiene	50	45.4	ug/L	91				69	101	
	Caprolactam	50	52.1	ug/L	104				58	128	
	4-Chloro-3-methylphenol	50	47.8	ug/L	96				65	114	
	2-Methylnaphthalene	50	45.7	ug/L	91				64	107	
	Hexachlorocyclopentadiene	100	76.6	ug/L	77				36	160	
	2,4,6-Trichlorophenol	50	45.7	ug/L	91				61	110	
	2,4,5-Trichlorophenol	50	45.5	ug/L	91				70	106	
	1,1-Biphenyl	50	47.0	ug/L	94				72	98	
	2-Chloronaphthalene	50	46.1	ug/L	92				59	106	
	2-Nitroaniline	50	47.3	ug/L	95				73	114	
	Dimethylphthalate	50	48.7	ug/L	97				64	103	
	Acenaphthylene	50	46.5	ug/L	93				79	103	
	2,6-Dinitrotoluene	50	48.0	ug/L	96				64	110	
	3-Nitroaniline	50	33.0	ug/L	66				28	100	
	Acenaphthene	50	52.0	ug/L	104				59	113	
	2,4-Dinitrophenol	100	100	ug/L	100				36	166	
	4-Nitrophenol	100	81.5	ug/L	82				45	147	
	Dibenzofuran	50	46.5	ug/L	93				65	106	
	2,4-Dinitrotoluene	50	48.5	ug/L	97				60	115	
	Diethylphthalate	50	49.1	ug/L	98				63	105	
	4-Chlorophenyl-phenylether	50	47.9	ug/L	96				61	104	
	Fluorene	50	47.9	ug/L	96				64	107	
	4-Nitroaniline	50	47.0	ug/L	94				55	125	
	4,6-Dinitro-2-methylphenol	50	48.2	ug/L	96				62	132	
	N-Nitrosodiphenylamine	50	47.5	ug/L	95				61	109	
	4-Bromophenyl-phenylether	50	49.2	ug/L	98				73	103	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2458 **Analytical Method:** 8270E

Client: CDM Smith **DataFile:** BF143027.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168716BS	Hexachlorobenzene	50	47.6	ug/L	95				73	106	
	Atrazine	50	52.6	ug/L	105				76	120	
	Pentachlorophenol	100	82.0	ug/L	82				47	114	
	Phenanthrene	50	47.3	ug/L	95				62	109	
	Anthracene	50	47.3	ug/L	95				65	110	
	Carbazole	50	46.7	ug/L	93				62	106	
	Di-n-butylphthalate	50	51.5	ug/L	103				64	106	
	Fluoranthene	50	46.5	ug/L	93				64	110	
	Pyrene	50	49.6	ug/L	99				71	103	
	Butylbenzylphthalate	50	53.0	ug/L	106		*		61	105	
	3,3-Dichlorobenzidine	50	25.6	ug/L	51				43	108	
	Benzo(a)anthracene	50	48.3	ug/L	97				62	107	
	Chrysene	50	46.8	ug/L	94				61	108	
	bis(2-Ethylhexyl)phthalate	50	46.6	ug/L	93				59	110	
	Di-n-octyl phthalate	50	44.6	ug/L	89				52	139	
	Benzo(b)fluoranthene	50	50.4	ug/L	101				77	113	
	Benzo(k)fluoranthene	50	43.5	ug/L	87				77	105	
	Benzo(a)pyrene	50	47.4	ug/L	95				72	131	
	Indeno(1,2,3-cd)pyrene	50	46.2	ug/L	92				72	105	
	Dibenz(a,h)anthracene	50	45.8	ug/L	92				78	115	
	Benzo(g,h,i)perylene	50	46.4	ug/L	93				75	118	
	1,2,4,5-Tetrachlorobenzene	50	46.6	ug/L	93				72	101	
	1,4-Dioxane	50	35.4	ug/L	71				38	125	
	2,3,4,6-Tetrachlorophenol	50	47.1	ug/L	94				63	116	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2458 **Analytical Method:** 8270E

Client: CDM Smith **DataFile:** BF143028.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168716BSD	Benzaldehyde	50	25.9	ug/L	52	2			10	162	20
	Phenol	50	40.3	ug/L	81	8			66	118	20
	bis(2-Chloroethyl)ether	50	41.2	ug/L	82	10			62	103	20
	2-Chlorophenol	50	41.2	ug/L	82	10			70	117	20
	2-Methylphenol	50	41.4	ug/L	83	11			69	109	20
	2,2-oxybis(1-Chloropropane)	50	37.8	ug/L	76	10			65	100	20
	Acetophenone	50	42.6	ug/L	85	8			60	104	20
	3+4-Methylphenols	50	42.5	ug/L	85	12			67	106	20
	N-Nitroso-di-n-propylamine	50	41.5	ug/L	83	11			57	107	20
	Hexachloroethane	50	40.9	ug/L	82	10			76	118	20
	Nitrobenzene	50	42.3	ug/L	85	7			58	106	20
	Isophorone	50	42.4	ug/L	85	8			61	102	20
	2-Nitrophenol	50	44.2	ug/L	88	8			70	115	20
	2,4-Dimethylphenol	50	42.5	ug/L	85	7			42	142	20
	bis(2-Chloroethoxy)methane	50	42.0	ug/L	84	8			58	109	20
	2,4-Dichlorophenol	50	42.4	ug/L	85	9			66	115	20
	Naphthalene	50	42.2	ug/L	84	8			64	107	20
	4-Chloroaniline	50	37.2	ug/L	74	22		*	10	85	20
	Hexachlorobutadiene	50	42.5	ug/L	85	7			69	101	20
	Caprolactam	50	48.3	ug/L	97	8			58	128	20
	4-Chloro-3-methylphenol	50	44.3	ug/L	89	8			65	114	20
	2-Methylnaphthalene	50	42.5	ug/L	85	7			64	107	20
	Hexachlorocyclopentadiene	100	71.7	ug/L	72	7			36	160	20
	2,4,6-Trichlorophenol	50	41.4	ug/L	83	10			61	110	20
	2,4,5-Trichlorophenol	50	42.1	ug/L	84	8			70	106	20
	1,1-Biphenyl	50	42.6	ug/L	85	10			72	98	20
	2-Chloronaphthalene	50	42.1	ug/L	84	9			59	106	20
	2-Nitroaniline	50	44.5	ug/L	89	6			73	114	20
	Dimethylphthalate	50	44.8	ug/L	90	8			64	103	20
	Acenaphthylene	50	42.7	ug/L	85	9			79	103	20
	2,6-Dinitrotoluene	50	45.4	ug/L	91	6			64	110	20
	3-Nitroaniline	50	37.4	ug/L	75	13			28	100	20
	Acenaphthene	50	46.6	ug/L	93	11			59	113	20
	2,4-Dinitrophenol	100	91.4	ug/L	91	9			36	166	20
	4-Nitrophenol	100	75.8	ug/L	76	7			45	147	20
	Dibenzofuran	50	42.9	ug/L	86	8			65	106	20
	2,4-Dinitrotoluene	50	45.8	ug/L	92	6			60	115	20
	Diethylphthalate	50	45.5	ug/L	91	8			63	105	20
	4-Chlorophenyl-phenylether	50	43.7	ug/L	87	9			61	104	20
	Fluorene	50	44.1	ug/L	88	8			64	107	20
	4-Nitroaniline	50	44.5	ug/L	89	5			55	125	20
	4,6-Dinitro-2-methylphenol	50	44.8	ug/L	90	7			62	132	20
	N-Nitrosodiphenylamine	50	43.7	ug/L	87	8			61	109	20
	4-Bromophenyl-phenylether	50	45.2	ug/L	90	8			73	103	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2458 **Analytical Method:** 8270E

Client: CDM Smith **DataFile:** BF143028.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168716BSD	Hexachlorobenzene	50	43.8	ug/L	88	8			73	106	20
	Atrazine	50	48.4	ug/L	97	8			76	120	20
	Pentachlorophenol	100	78.4	ug/L	78	4			47	114	20
	Phenanthrene	50	43.2	ug/L	86	9			62	109	20
	Anthracene	50	43.9	ug/L	88	7			65	110	20
	Carbazole	50	44.0	ug/L	88	6			62	106	20
	Di-n-butylphthalate	50	46.8	ug/L	94	10			64	106	20
	Fluoranthene	50	43.1	ug/L	86	8			64	110	20
	Pyrene	50	46.3	ug/L	93	7			71	103	20
	Butylbenzylphthalate	50	48.4	ug/L	97	9			61	105	20
	3,3-Dichlorobenzidine	50	36.3	ug/L	73	35		*	43	108	20
	Benzo(a)anthracene	50	45.6	ug/L	91	6			62	107	20
	Chrysene	50	44.0	ug/L	88	6			61	108	20
	bis(2-Ethylhexyl)phthalate	50	44.2	ug/L	88	5			59	110	20
	Di-n-octyl phthalate	50	42.5	ug/L	85	5			52	139	20
	Benzo(b)fluoranthene	50	42.8	ug/L	86	16			77	113	20
	Benzo(k)fluoranthene	50	44.9	ug/L	90	3			77	105	20
	Benzo(a)pyrene	50	44.2	ug/L	88	7			72	131	20
	Indeno(1,2,3-cd)pyrene	50	42.5	ug/L	85	8			72	105	20
	Dibenz(a,h)anthracene	50	42.9	ug/L	86	7			78	115	20
	Benzo(g,h,i)perylene	50	42.8	ug/L	86	8			75	118	20
	1,2,4,5-Tetrachlorobenzene	50	42.9	ug/L	86	8			72	101	20
	1,4-Dioxane	50	32.4	ug/L	65	9			38	125	20
	2,3,4,6-Tetrachlorophenol	50	43.3	ug/L	87	8			63	116	20

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB168674BL

Lab Name: Alliance | Contract: CAMP02

Lab Code: ACE | SDG NO.: Q2458

Lab File ID: BF142990.D | Lab Sample ID: PB168674BL

Instrument ID: BNA_F | Date Extracted: 07/01/2025

Matrix: (soil/water) SOIL | Date Analyzed: 07/03/2025

Level: (low/med) LOW | Time Analyzed: 11:25

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168674BS	PB168674BS	BF142991.D	07/03/2025
TP-60	Q2458-06	BF142955.D	07/01/2025
TP-62	Q2458-07	BF142954.D	07/01/2025
TP-63	Q2458-08	BF142959.D	07/01/2025
TP-76	Q2458-01	BF142978.D	07/02/2025
TP-68	Q2458-03	BF142979.D	07/02/2025
TP-55	Q2458-02	BF142985.D	07/02/2025
TP-67	Q2458-04	BF142969.D	07/02/2025
TP-67MS	Q2458-04MS	BF142970.D	07/02/2025
TP-67MSD	Q2458-04MSD	BF142971.D	07/02/2025
TP-59	Q2458-09	BF142975.D	07/02/2025
TP-66	Q2458-05	BF142977.D	07/02/2025

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB168716BL

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG NO.: Q2458

Lab File ID: BF143026.D Lab Sample ID: PB168716BL

Instrument ID: BNA_F Date Extracted: 07/03/2025

Matrix: (soil/water) Water Date Analyzed: 07/08/2025

Level: (low/med) LOW Time Analyzed: 11:24

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168716BS	PB168716BS	BF143027.D	07/08/2025
PB168716BSD	PB168716BSD	BF143028.D	07/08/2025
FB-06272025	Q2458-10	BF142998.D	07/03/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance — Contract: CAMP02

Lab Code: ACE — SDG NO.: Q2458

Lab File ID: BF142787.D — DFTPP Injection Date: 06/19/2025

Instrument ID: BNA_F — DFTPP Injection Time: 16:37

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.9
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	30.9
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	41.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.8
275	10.0 - 60.0% of mass 198	24.9
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15
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:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF142788.D	06/19/2025	17:07
SSTDICC005	SSTDICC005	BF142789.D	06/19/2025	17:38
SSTDICC010	SSTDICC010	BF142790.D	06/19/2025	18:08
SSTDICC020	SSTDICC020	BF142791.D	06/19/2025	18:39
SSTDICCC040	SSTDICCC040	BF142792.D	06/19/2025	19:09
SSTDICC050	SSTDICC050	BF142793.D	06/19/2025	19:40
SSTDICC060	SSTDICC060	BF142794.D	06/19/2025	20:10
SSTDICC080	SSTDICC080	BF142795.D	06/19/2025	20:40

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance — Contract: CAMP02

Lab Code: ACE — SDG NO.: Q2458

Lab File ID: BF142940.D — DFTPP Injection Date: 07/01/2025

Instrument ID: BNA_F — DFTPP Injection Time: 09:46

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.2
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	27.4
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	38.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.6
275	10.0 - 60.0% of mass 198	24
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142941.D	07/01/2025	10:47
TP-62	Q2458-07	BF142954.D	07/01/2025	17:29
TP-60	Q2458-06	BF142955.D	07/01/2025	18:00
TP-63	Q2458-08	BF142959.D	07/01/2025	20:03

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance — Contract: CAMP02

Lab Code: ACE — SDG NO.: Q2458

Lab File ID: BF142963.D — DFTPP Injection Date: 07/02/2025

Instrument ID: BNA_F — DFTPP Injection Time: 11:11

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.2
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	28.3
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	38.7
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.6
275	10.0 - 60.0% of mass 198	24.9
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.9 (18.9) 2

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

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142964.D	07/02/2025	11:41
TP-67	Q2458-04	BF142969.D	07/02/2025	14:17
TP-67MS	Q2458-04MS	BF142970.D	07/02/2025	14:47
TP-67MSD	Q2458-04MSD	BF142971.D	07/02/2025	15:17
TP-59	Q2458-09	BF142975.D	07/02/2025	17:19
TP-66	Q2458-05	BF142977.D	07/02/2025	18:20
TP-76	Q2458-01	BF142978.D	07/02/2025	18:50
TP-68	Q2458-03	BF142979.D	07/02/2025	19:21
TP-55	Q2458-02	BF142985.D	07/02/2025	22:22

Raw Data: **BF142986.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG NO.: Q2458

Lab File ID: BF142986.D DFTPP Injection Date: 07/03/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:25

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.1
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	28.4
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	39
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.4
275	10.0 - 60.0% of mass 198	24.2
365	Greater than 1% of mass 198	3.2
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	18.8 (18.8) 2

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

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142987.D	07/03/2025	09:55
PB168674BL	PB168674BL	BF142990.D	07/03/2025	11:25
PB168674BS	PB168674BS	BF142991.D	07/03/2025	11:55
FB-06272025	Q2458-10	BF142998.D	07/03/2025	15:58

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance — Contract: CAMP02

Lab Code: ACE — SDG NO.: Q2458

Lab File ID: BF143024.D — DFTPP Injection Date: 07/08/2025

Instrument ID: BNA_F — DFTPP Injection Time: 10:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.6
68	Less than 2.0% of mass 69	0.6 (2) 1
69	Mass 69 relative abundance	32.1
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	44.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6
275	10.0 - 60.0% of mass 198	25.6
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.8 (18.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143025.D	07/08/2025	10:54
PB168716BL	PB168716BL	BF143026.D	07/08/2025	11:24
PB168716BS	PB168716BS	BF143027.D	07/08/2025	11:54
PB168716BSD	PB168716BSD	BF143028.D	07/08/2025	12:25

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2458

Client ID : SSTDCCC040 Date Analyzed: 07/01/2025

Lab File ID: BF142941.D Time Analyzed: 10:47

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	52800	6.875	192179	8.16	92751	9.92
	UPPER LIMIT	105600	7.375	384358	8.657	185502	10.416
	LOWER LIMIT	26400	6.375	96089.5	7.657	46375.5	9.416
	EPA SAMPLE NO.						
01	TP-60	40048	6.88	134037	8.16	70254	9.91
02	TP-62	50422	6.88	167358	8.16	75314	9.91
03	TP-63	41136	6.88	141903	8.16	76687	9.92

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2458

Client ID: SSTDCCC040 Date Analyzed: 07/01/2025

Lab File ID: BF142941.D Time Analyzed: 10:47

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	139048	11.404	102522	14.051	129198	15.539
	UPPER LIMIT	278096	11.904	205044	14.551	258396	16.039
	LOWER LIMIT	69524	10.904	51261	13.551	64599	15.039
	EPA SAMPLE NO.						
01	TP-60	141628	11.40	121309	14.05	87498	15.55
02	TP-62	137885	11.40	148822	14.05	117407	15.54
03	TP-63	148921	11.40	123268	14.05	90968	15.55

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: Alliance

Lab Code: ACE SDG NO.: Q2458

Client ID : SSTDCCC040 Date Analyzed: 07/02/2025

Lab File ID: BF142964.D Time Analyzed: 11:41

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	58835	6.875	223613	8.16	116653	9.92
	UPPER LIMIT	117670	7.375	447226	8.657	233306	10.416
	LOWER LIMIT	29417.5	6.375	111807	7.657	58326.5	9.416
	EPA SAMPLE NO.						
01	TP-76	60838	6.87	230820	8.16	119279	9.91
02	TP-55	53273	6.87	184703	8.16	86853	9.91
03	TP-68	60603	6.87	232159	8.16	115889	9.91
04	TP-67	53005	6.87	205773	8.16	107799	9.92
05	TP-67MS	54262	6.88	204360	8.16	107674	9.92
06	TP-67MSD	56149	6.88	216831	8.16	113581	9.92
07	TP-66	55670	6.87	209987	8.16	105779	9.91
08	TP-59	57945	6.87	223063	8.16	120808	9.91

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: Alliance

Lab Code: ACE SDG NO.: Q2458

Client ID: SSTDCCC040 Date Analyzed: 07/02/2025

Lab File ID: BF142964.D Time Analyzed: 11:41

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	194796	11.404	118183	14.051	123997	15.545
	UPPER LIMIT	389592	11.904	236366	14.551	247994	16.045
	LOWER LIMIT	97398	10.904	59091.5	13.551	61998.5	15.045
	EPA SAMPLE NO.						
01	TP-76	177718	11.40	132715	14.05	116845	15.54
02	TP-55	146004	11.40	91233	14.05	69801	15.55
03	TP-68	161669	11.40	127172	14.05	112443	15.54
04	TP-67	193599	11.40	117849	14.05	100982	15.55
05	TP-67MS	180519	11.40	104217	14.05	110887	15.55
06	TP-67MSD	197962	11.40	113049	14.06	120474	15.55
07	TP-66	154994	11.40	110689	14.05	101919	15.54
08	TP-59	212211	11.40	120436	14.05	122074	15.54

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: Alliance

Lab Code: ACE SDG NO.: Q2458

Client ID : SSTDCCC040 Date Analyzed: 07/03/2025

Lab File ID: BF142987.D Time Analyzed: 09:55

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	62161	6.875	229765	8.16	116751	9.92
	UPPER LIMIT	124322	7.375	459530	8.657	233502	10.416
	LOWER LIMIT	31080.5	6.375	114883	7.657	58375.5	9.416
	EPA SAMPLE NO.						
01	PB168674BL	69300	6.88	271940	8.16	146089	9.92
02	PB168674BS	63885	6.88	241904	8.16	125461	9.92
03	FB-06272025	74550	6.88	284157	8.16	150910	9.91

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: Alliance

Lab Code: ACE SDG NO.: Q2458

Client ID: SSTDCCC040 Date Analyzed: 07/03/2025

Lab File ID: BF142987.D Time Analyzed: 09:55

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	185461	11.404	107728	14.051	131364	15.545
	UPPER LIMIT	370922	11.904	215456	14.551	262728	16.045
	LOWER LIMIT	92730.5	10.904	53864	13.551	65682	15.045
	EPA SAMPLE NO.						
01	PB168674BL	243571	11.40	138339	14.05	149416	15.55
02	PB168674BS	198063	11.41	112102	14.06	135188	15.55
03	FB-06272025	259289	11.40	148740	14.05	177122	15.55

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: Alliance

Lab Code: ACE SDG NO.: Q2458

Client ID : SSTDCCC040 Date Analyzed: 07/08/2025

Lab File ID: BF143025.D Time Analyzed: 10:54

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	66813	6.875	257725	8.16	136330	9.92
	UPPER LIMIT	133626	7.375	515450	8.663	272660	10.422
	LOWER LIMIT	33406.5	6.375	128863	7.663	68165	9.422
	EPA SAMPLE NO.						
01	PB168716BL	62899	6.88	246391	8.16	135369	9.92
02	PB168716BS	58507	6.88	224473	8.16	117882	9.92
03	PB168716BSD	60408	6.88	226362	8.16	118776	9.92

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2458

Client ID: SSTDCCC040 Date Analyzed: 07/08/2025

Lab File ID: BF143025.D Time Analyzed: 10:54

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	218169	11.41	109391	14.063	135350	15.557
	UPPER LIMIT	436338	11.91	218782	14.563	270700	16.057
	LOWER LIMIT	109085	10.91	54695.5	13.563	67675	15.057
	EPA SAMPLE NO.						
01	PB168716BL	247916	11.41	134036	14.06	119715	15.56
02	PB168716BS	196389	11.41	99574	14.06	114876	15.56
03	PB168716BSD	197115	11.41	99617	14.06	118358	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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SAMPLE DATA

Raw Data: **BF142978.D**

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-76	SDG No.:	Q2458
Lab Sample ID:	Q2458-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.6
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
BF142978.D	1	07/01/25 09:30	07/02/25 18:50	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	360	ug/Kg
108-95-2	Phenol	24.4	U	24.4	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.8	U	26.8	190	ug/Kg
95-57-8	2-Chlorophenol	26.9	U	26.9	190	ug/Kg
95-48-7	2-Methylphenol	33.0	U	33.0	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	41.3	U	41.3	190	ug/Kg
98-86-2	Acetophenone	32.5	U	32.5	190	ug/Kg
65794-96-9	3+4-Methylphenols	45.3	U	45.3	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	52.2	U	52.2	88.2	ug/Kg
67-72-1	Hexachloroethane	19.4	U	19.4	190	ug/Kg
98-95-3	Nitrobenzene	20.2	U	20.2	190	ug/Kg
78-59-1	Isophorone	36.2	U	36.2	190	ug/Kg
88-75-5	2-Nitrophenol	64.2	U	64.2	190	ug/Kg
105-67-9	2,4-Dimethylphenol	71.4	U	71.4	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	34.0	U	34.0	190	ug/Kg
120-83-2	2,4-Dichlorophenol	31.2	U	31.2	190	ug/Kg
91-20-3	Naphthalene	25.0	U	25.0	190	ug/Kg
106-47-8	4-Chloroaniline	39.0	U	39.0	190	ug/Kg
87-68-3	Hexachlorobutadiene	27.9	U	27.9	190	ug/Kg
105-60-2	Caprolactam	57.4	U	57.4	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.6	U	31.6	190	ug/Kg
91-57-6	2-Methylnaphthalene	28.2	U	28.2	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.8	U	21.8	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	32.1	U	32.1	190	ug/Kg
92-52-4	1,1-Biphenyl	24.0	U	24.0	190	ug/Kg
91-58-7	2-Chloronaphthalene	24.8	U	24.8	190	ug/Kg
88-74-4	2-Nitroaniline	53.0	U	53.0	190	ug/Kg
131-11-3	Dimethylphthalate	29.9	U	29.9	190	ug/Kg

Raw Data: **BF142978.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-76	SDG No.:	Q2458
Lab Sample ID:	Q2458-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.6
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
BF142978.D	1	07/01/25 09:30	07/02/25 18:50	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.9	U	31.9	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	37.0	U	37.0	190	ug/Kg
99-09-2	3-Nitroaniline	50.7	U	50.7	190	ug/Kg
83-32-9	Acenaphthene	23.5	U	23.5	190	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	360	ug/Kg
132-64-9	Dibenzofuran	25.0	U	25.0	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	55.2	U	55.2	190	ug/Kg
84-66-2	Diethylphthalate	31.2	U	31.2	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29.4	U	29.4	190	ug/Kg
86-73-7	Fluorene	27.9	U	27.9	190	ug/Kg
100-01-6	4-Nitroaniline	70.8	U	70.8	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	36.3	U	36.3	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.6	U	30.6	190	ug/Kg
118-74-1	Hexachlorobenzene	27.9	U	27.9	190	ug/Kg
1912-24-9	Atrazine	37.5	U	37.5	190	ug/Kg
87-86-5	Pentachlorophenol	56.5	U	56.5	360	ug/Kg
85-01-8	Phenanthrene	130	J	23.0	190	ug/Kg
120-12-7	Anthracene	36.7	U	36.7	190	ug/Kg
86-74-8	Carbazole	34.4	U	34.4	190	ug/Kg
84-74-2	Di-n-butylphthalate	52.8	U	52.8	190	ug/Kg
206-44-0	Fluoranthene	380		33.1	190	ug/Kg
129-00-0	Pyrene	390		39.7	190	ug/Kg
85-68-7	Butylbenzylphthalate	78.7	UQ	78.7	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	40.5	U	40.5	360	ug/Kg
56-55-3	Benzo(a)anthracene	320		25.4	190	ug/Kg
218-01-9	Chrysene	320		21.9	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	65.3	U	65.3	190	ug/Kg
117-84-0	Di-n-octyl phthalate	95.7	U	95.7	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	450		20.9	190	ug/Kg

Raw Data: **BF142978.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-76	SDG No.:	Q2458
Lab Sample ID:	Q2458-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.6
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
BF142978.D	1	07/01/25 09:30	07/02/25 18:50	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	140	J	24.7	190	ug/Kg
50-32-8	Benzo(a)pyrene	310		32.5	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	J	32.1	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	30.2	U	30.2	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	J	28.3	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	28.2	U	28.2	190	ug/Kg
123-91-1	1,4-Dioxane	49.8	U	49.8	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	30.2	U	30.2	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	80.3		18 - 112	54%	SPK: 150
13127-88-3	Phenol-d6	82.8		15 - 107	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	51.7		18 - 107	52%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.5		20 - 109	53%	SPK: 100
118-79-6	2,4,6-Tribromophenol	79.4		10 - 116	53%	SPK: 150
1718-51-0	Terphenyl-d14	37.0		10 - 105	37%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	60800	6.869			
1146-65-2	Naphthalene-d8	231000	8.157			
15067-26-2	Acenaphthene-d10	119000	9.91			
1517-22-2	Phenanthrene-d10	178000	11.404			
1719-03-5	Chrysene-d12	133000	14.051			
1520-96-3	Perylene-d12	117000	15.539			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	220	AB		5.08	ug/Kg
000119-61-9	Benzophenone	210	J		10.6	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	250	J		11.9	ug/Kg
000610-48-0	Anthracene, 1-methyl-	88.9	J		12.0	ug/Kg
000781-43-1	9,10-Dimethylanthracene	130	J		12.5	ug/Kg
001576-69-8	Phenanthrene, 2,7-dimethyl-	85.2	J		12.5	ug/Kg
002381-21-7	Pyrene, 1-methyl-	81.2	J		13.1	ug/Kg

Raw Data: **BF142978.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-76	SDG No.:	Q2458
Lab Sample ID:	Q2458-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.6
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
BF142978.D	1	07/01/25 09:30	07/02/25 18:50	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
033543-31-6	Fluoranthene, 2-methyl-	77.9	J		13.2	ug/Kg
000479-79-8	11H-Benzo[a]fluoren-11-one	130	J		13.9	ug/Kg
000192-97-2	Benzo[e]pyrene	250	J		15.4	ug/Kg
	unknown16.698	92.2	J		16.7	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\BF070225\
Data File : BF142978.D
Acq On : 02 Jul 2025 18:50
Operator : RC/JU
Sample : Q2458-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-76

Quant Time: Jul 03 01:07:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

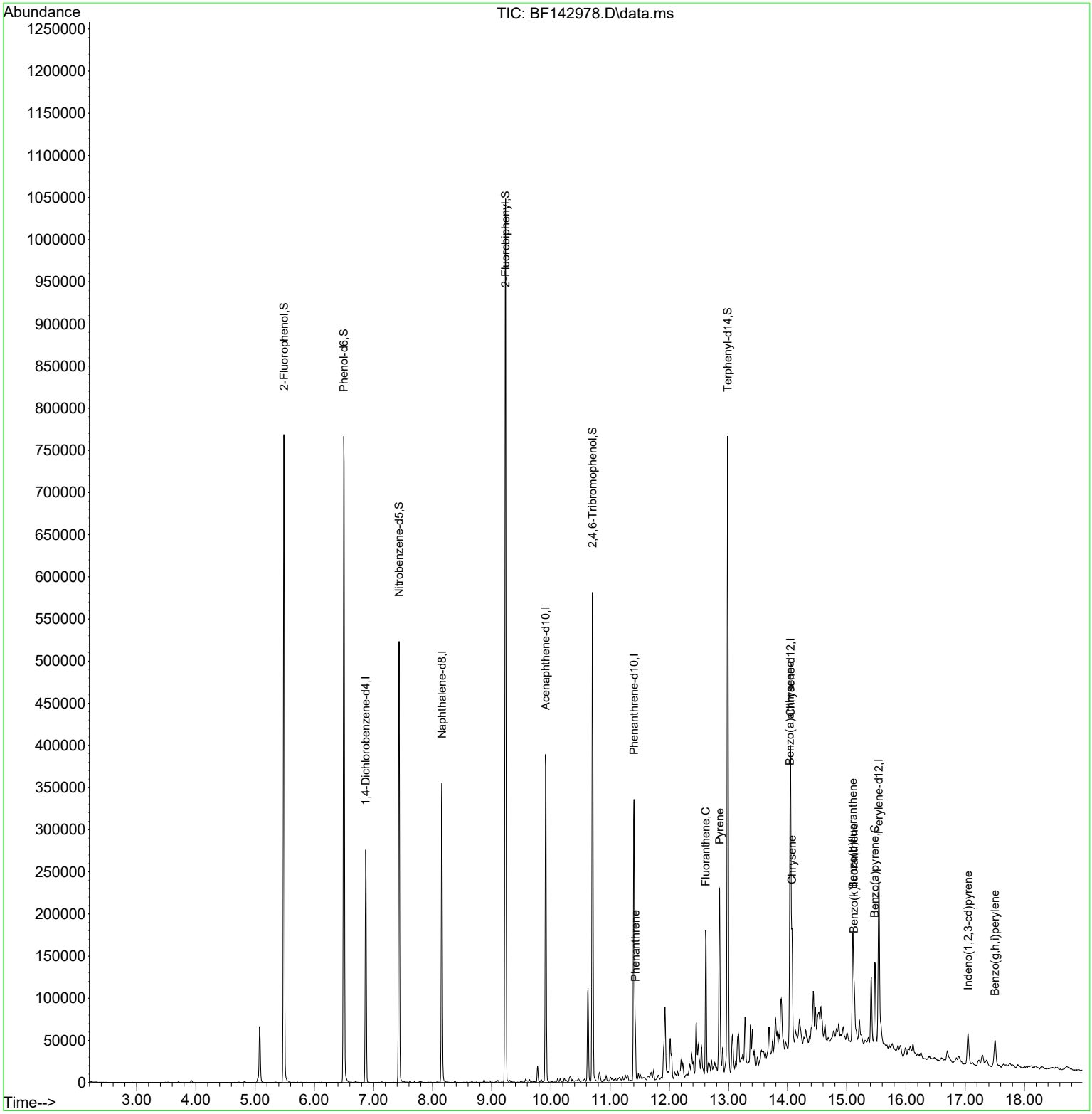
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.869	152	60838	20.000	ng		-0.01
21) Naphthalene-d8	8.157	136	230820	20.000	ng		-0.01
39) Acenaphthene-d10	9.910	164	119279	20.000	ng		-0.01
64) Phenanthrene-d10	11.404	188	177718	20.000	ng		0.00
76) Chrysene-d12	14.051	240	132715	20.000	ng		0.00
86) Perylene-d12	15.539	264	116845	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	293577	80.342	ng		0.00
7) Phenol-d6	6.498	99	357056	82.822	ng		-0.01
23) Nitrobenzene-d5	7.434	82	217595	51.708	ng		-0.01
42) 2,4,6-Tribromophenol	10.704	330	97453	79.394	ng		-0.01
45) 2-Fluorobiphenyl	9.233	172	485442	53.464	ng		-0.01
79) Terphenyl-d14	12.986	244	354954	36.954	ng		-0.01
Target Compounds							Qvalue
71) Phenanthrene	11.427	178	34643	3.599	ng		99
75) Fluoranthene	12.616	202	94671	10.362	ng		99
78) Pyrene	12.851	202	130704	10.507	ng		99
81) Benzo(a)anthracene	14.039	228	78067	8.720	ng		93
83) Chrysene	14.074	228	70229	8.791	ng		98
87) Indeno(1,2,3-cd)pyrene	17.051	276	26510	2.979	ng	#	93
88) Benzo(b)fluoranthene	15.104	252	82289m	12.171	ng		
89) Benzo(k)fluoranthene	15.121	252	24002m	3.794	ng		
90) Benzo(a)pyrene	15.474	252	55182	8.448	ng		98
92) Benzo(g,h,i)perylene	17.503	276	29453	4.085	ng		97

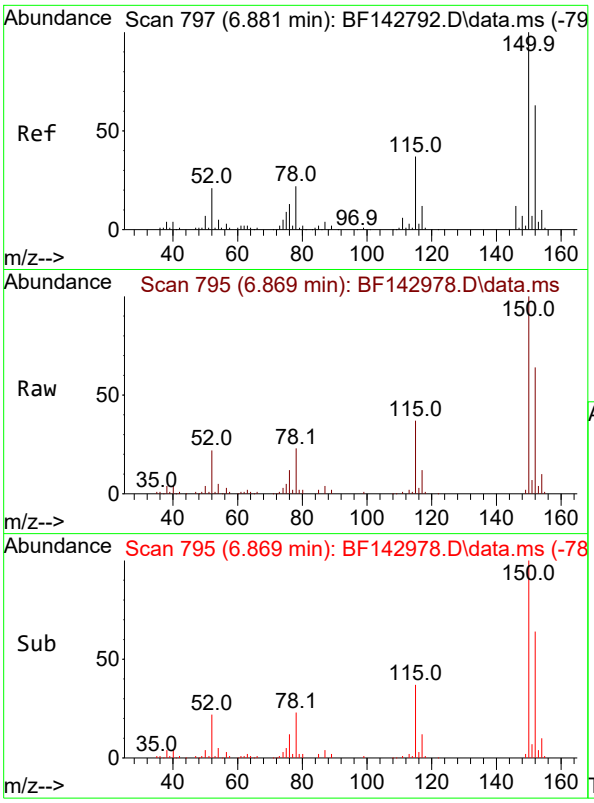
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142978.D
Acq On : 02 Jul 2025 18:50
Operator : RC/JU
Sample : Q2458-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-76

Quant Time: Jul 03 01:07:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



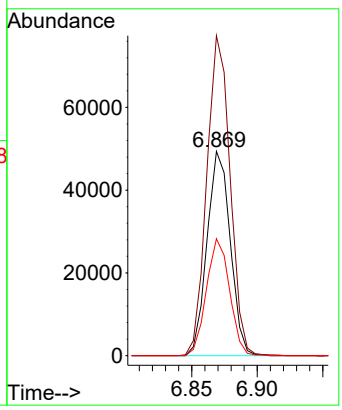


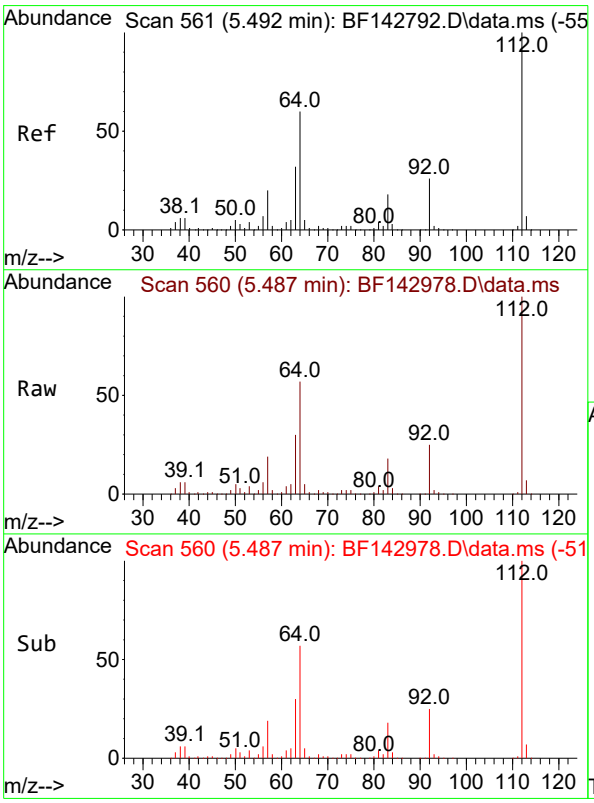
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Instrument :
BNA_F
ClientSampleId :
TP-76

Tgt Ion:152 Resp: 60838

Ion	Ratio	Lower	Upper
152	100		
150	156.7	127.2	190.8
115	57.2	46.6	69.8

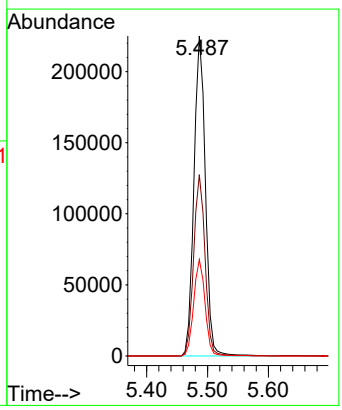


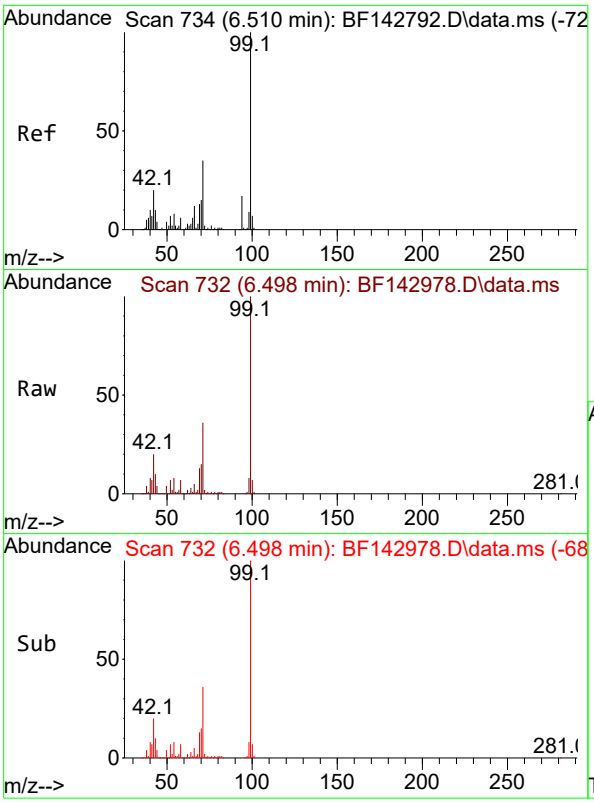


#5
2-Fluorophenol
Concen: 80.342 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Tgt Ion:112 Resp: 293577

Ion	Ratio	Lower	Upper
112	100		
64	56.7	48.2	72.2
63	30.1	25.7	38.5



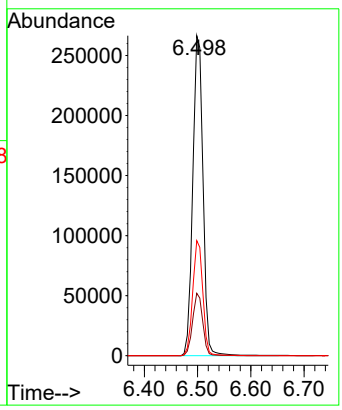


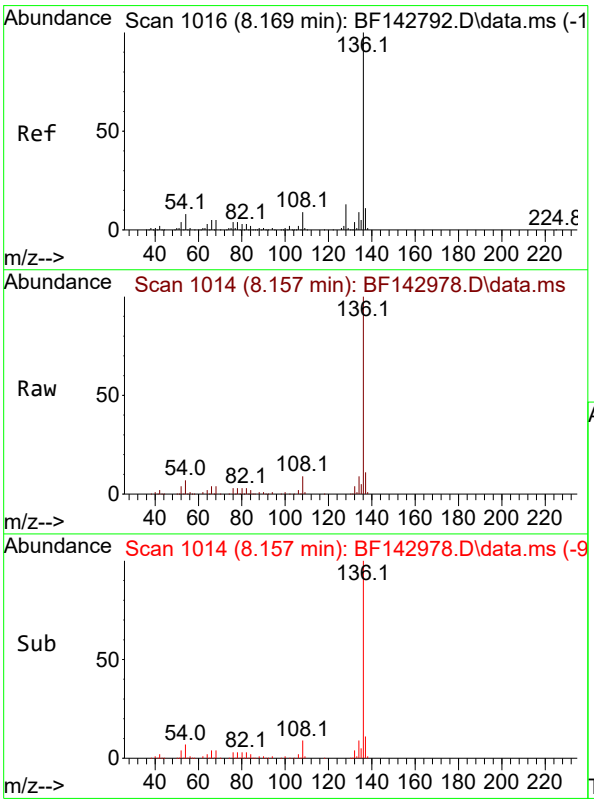
#7
Phenol-d6
Concen: 82.822 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Instrument :
BNA_F
ClientSampleId :
TP-76

Tgt Ion: 99 Resp: 357056

Ion	Ratio	Lower	Upper
99	100		
42	19.5	15.9	23.9
71	35.9	27.8	41.8

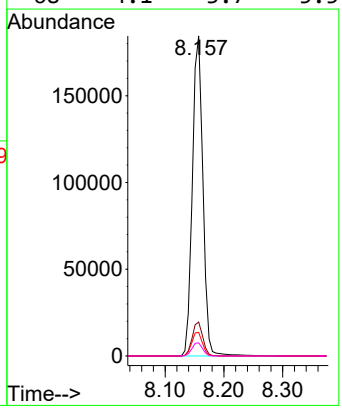


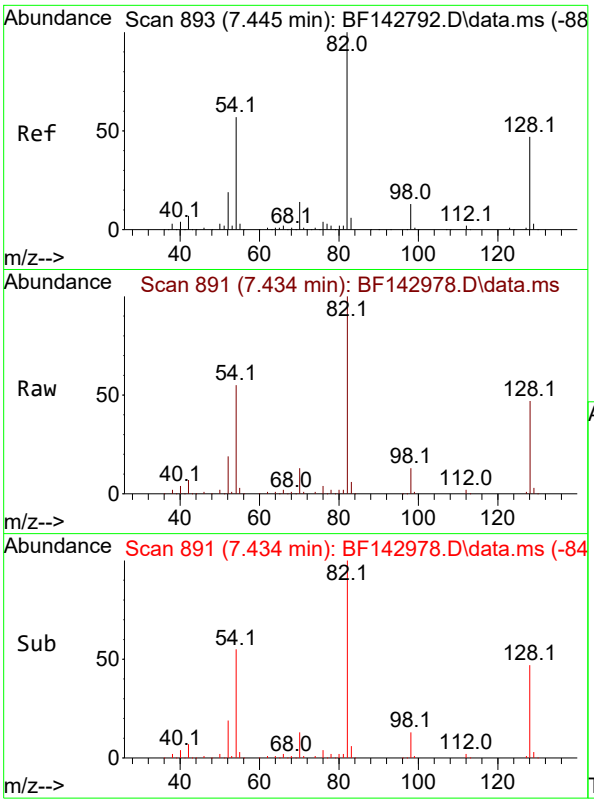


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Tgt Ion:136 Resp: 230820

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	7.3	6.3	9.5
68	4.1	3.7	5.5



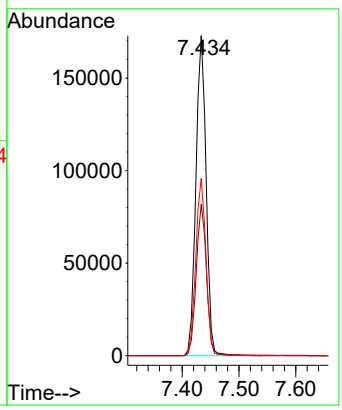


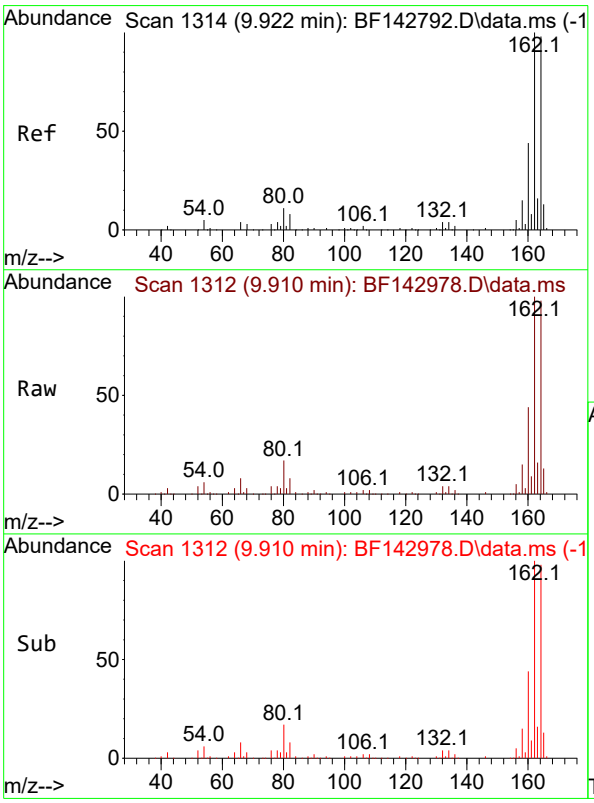
#23
Nitrobenzene-d5
Concen: 51.708 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Instrument :
BNA_F
ClientSampleId :
TP-76

Tgt Ion: 82 Resp: 217595

Ion	Ratio	Lower	Upper
82	100		
128	47.3	37.7	56.5
54	55.4	45.7	68.5

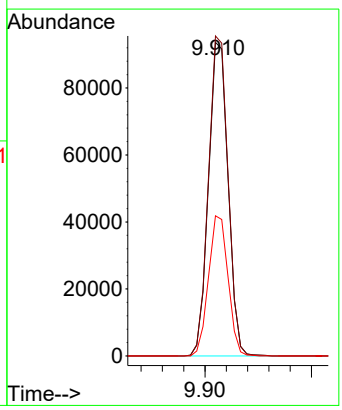


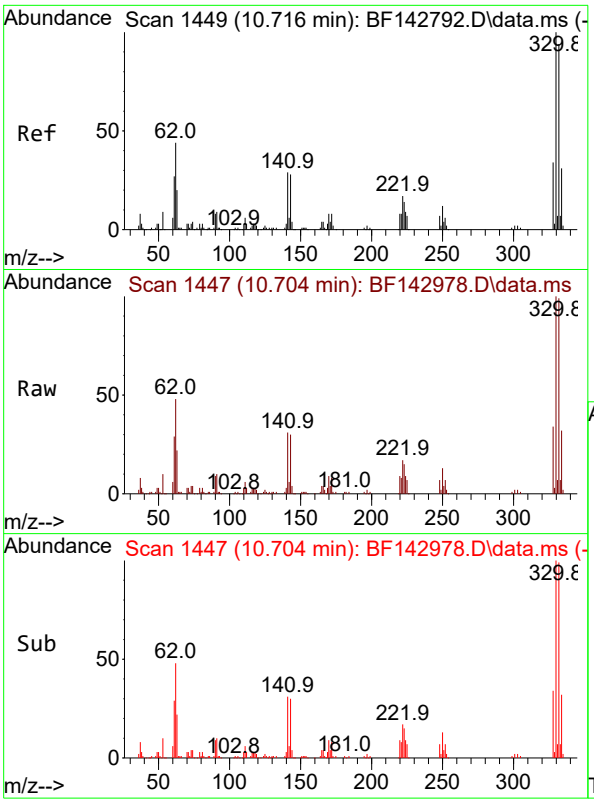


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Tgt Ion:164 Resp: 119279

Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.8	122.8
160	44.7	36.0	54.0



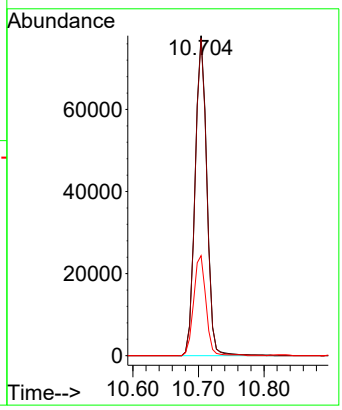


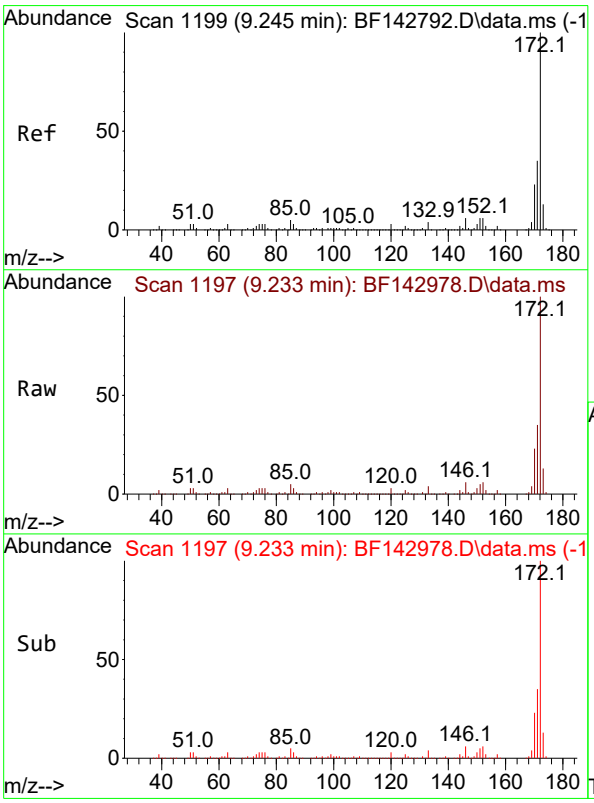
#42
2,4,6-Tribromophenol
Concen: 79.394 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Instrument :
BNA_F
ClientSampleId :
TP-76

Tgt Ion:330 Resp: 97453

Ion	Ratio	Lower	Upper
330	100		
332	98.6	75.0	112.6
141	32.7	25.3	37.9

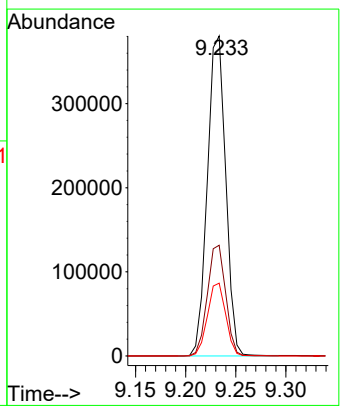


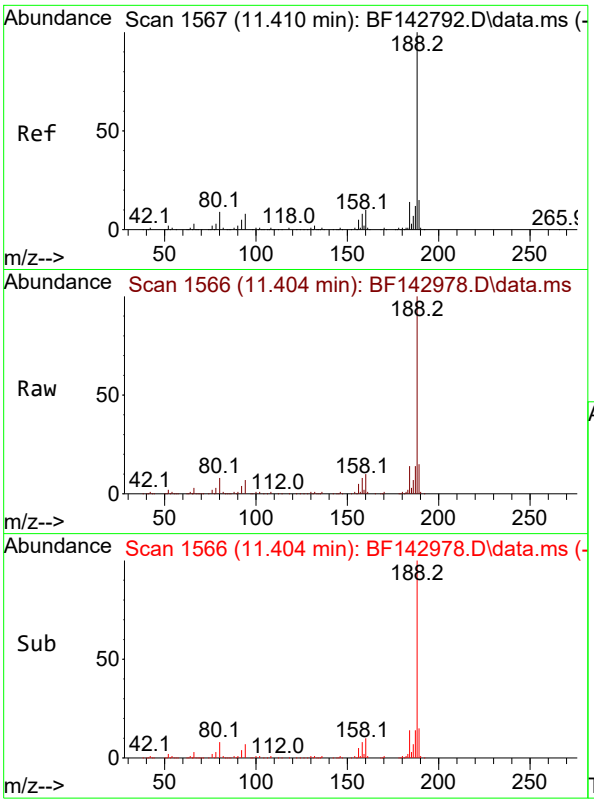


#45
2-Fluorobiphenyl
Concen: 53.464 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Tgt Ion:172 Resp: 485442

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.2	42.4
170	22.7	18.5	27.7



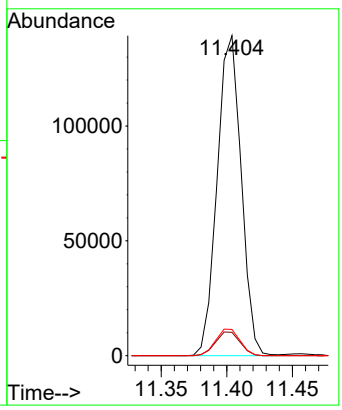


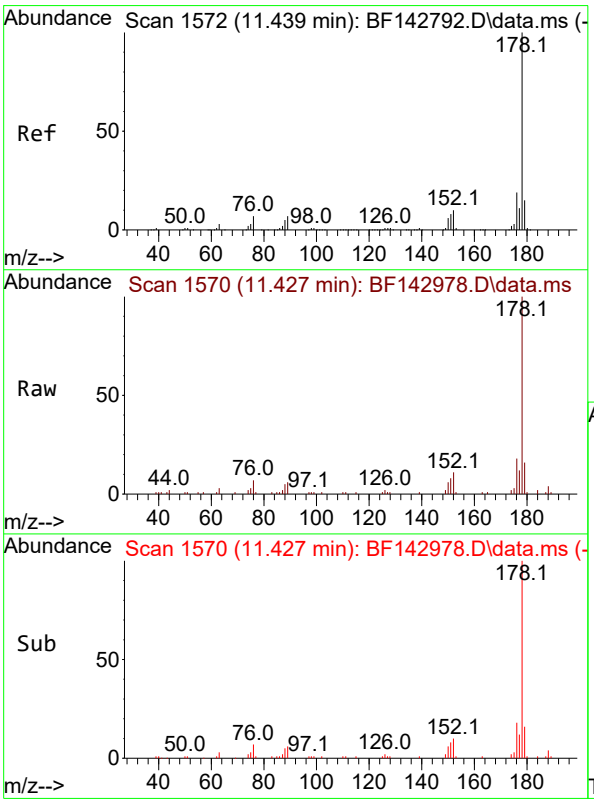
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Instrument :
BNA_F
ClientSampleId :
TP-76

Tgt Ion:188 Resp: 177718

Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.7	10.1
80	8.2	6.9	10.3

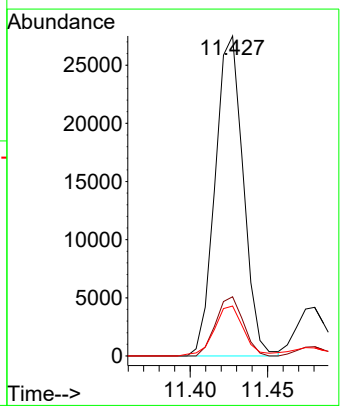


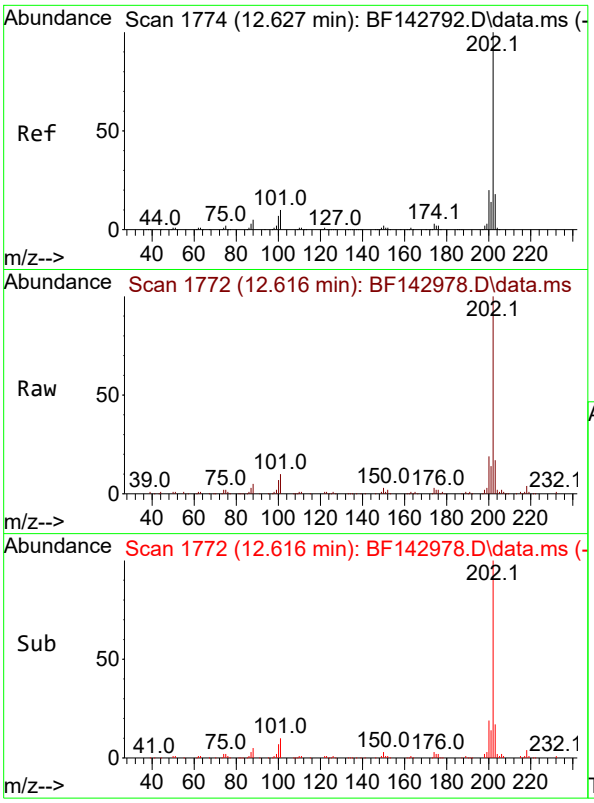


#71
Phenanthrene
Concen: 3.599 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Tgt Ion:178 Resp: 34643

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.1	22.7
179	15.6	12.0	18.0



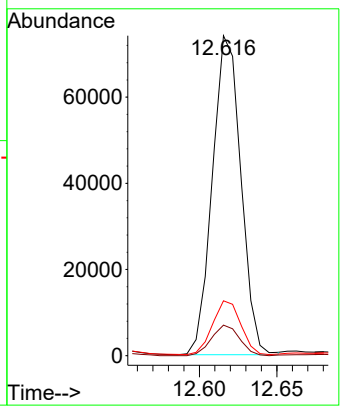


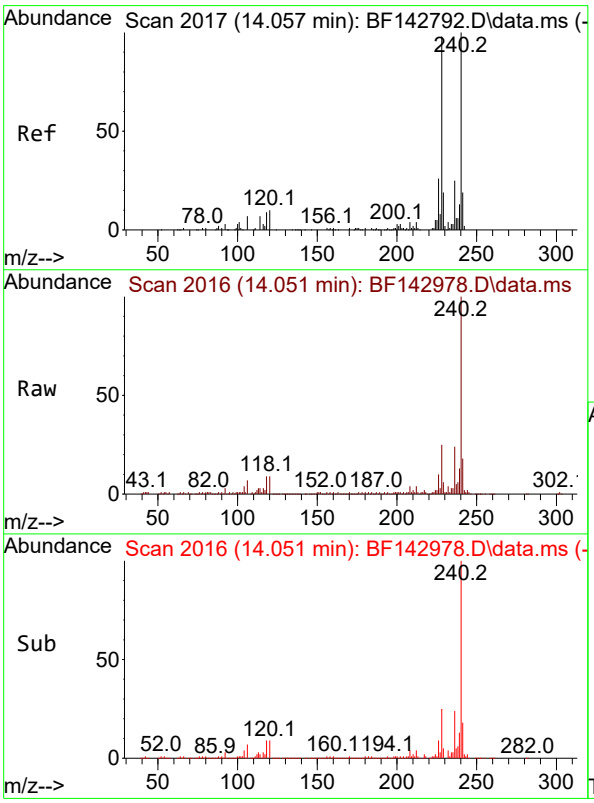
#75
Fluoranthene
Concen: 10.362 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Instrument :
BNA_F
ClientSampleId :
TP-76

Tgt Ion:202 Resp: 94671

Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	29.7
203	17.1	0.0	37.5

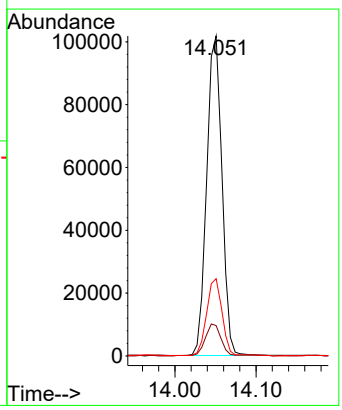


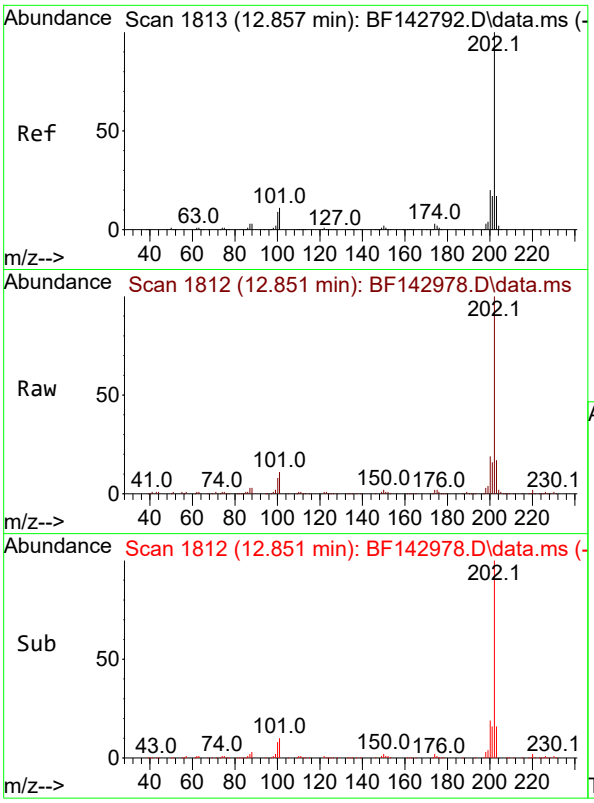


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Tgt Ion:240 Resp: 132715

Ion	Ratio	Lower	Upper
240	100		
120	9.5	8.2	12.2
236	24.2	19.8	29.8



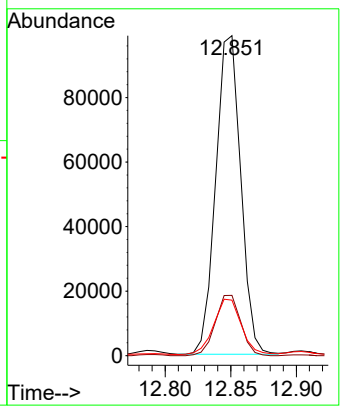


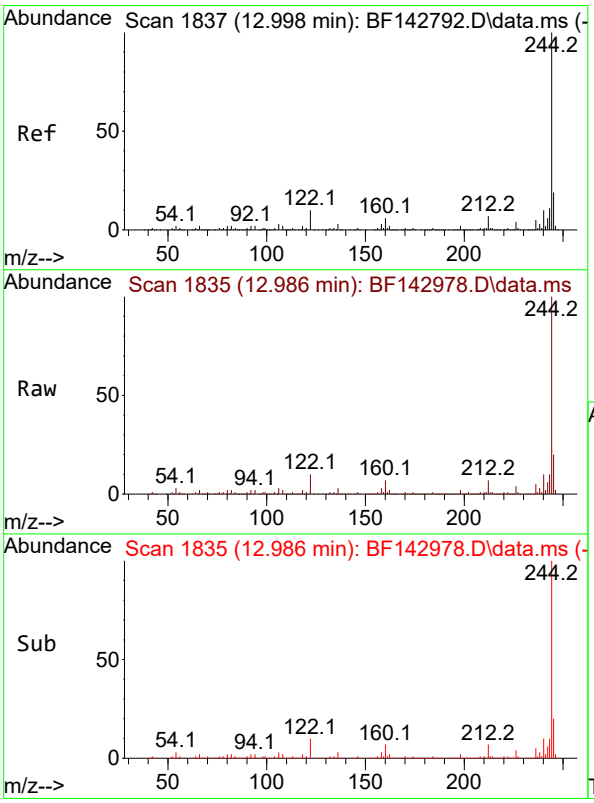
#78
Pyrene
Concen: 10.507 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Instrument :
BNA_F
ClientSampleId :
TP-76

Tgt Ion:202 Resp: 130704

Ion	Ratio	Lower	Upper
202	100		
200	18.9	15.7	23.5
203	17.3	13.8	20.6

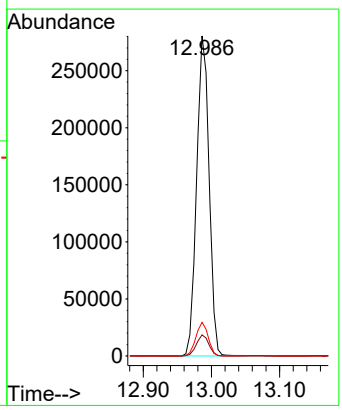


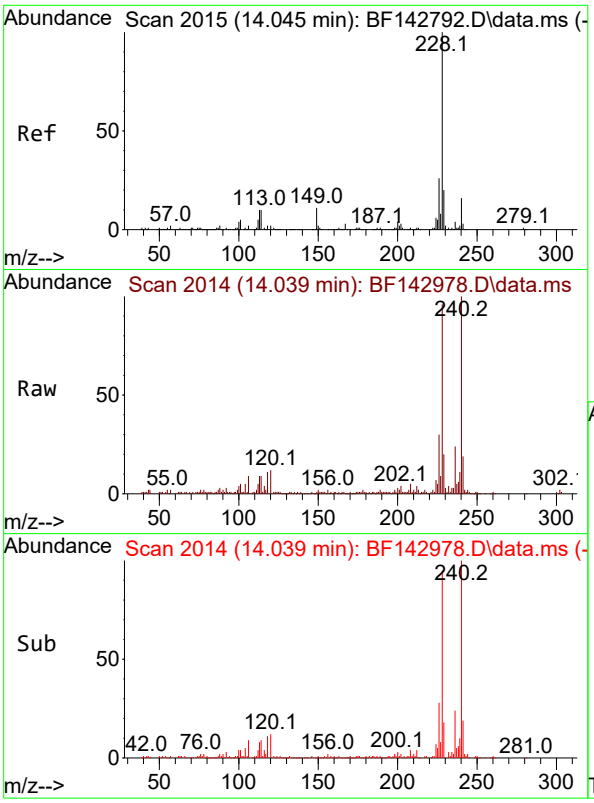


#79
Terphenyl-d14
Concen: 36.954 ng
RT: 12.986 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Tgt Ion:244 Resp: 354954

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.5	8.2	12.2



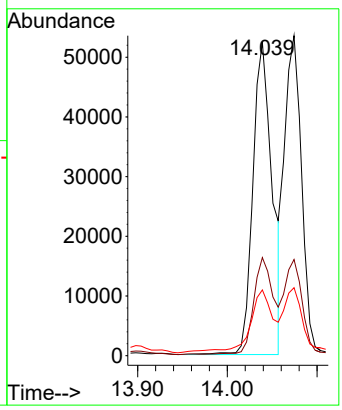


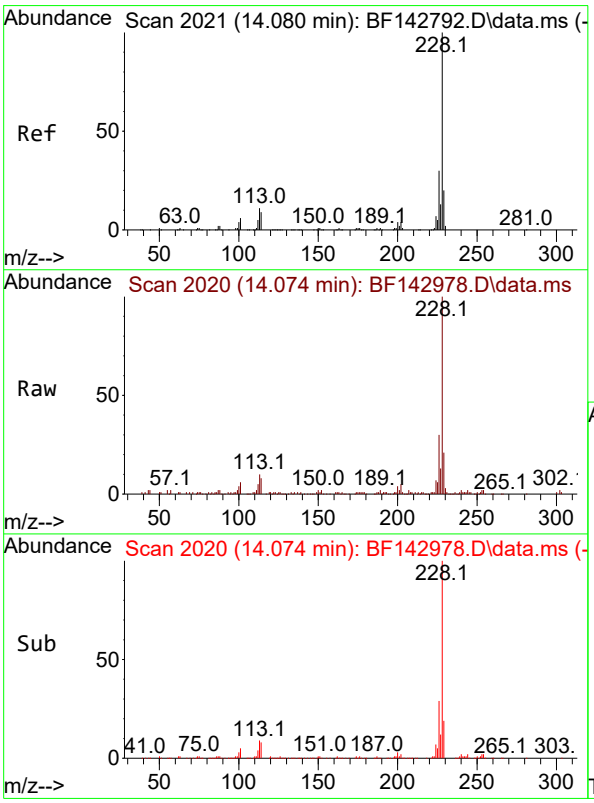
#81
Benzo(a)anthracene
Concen: 8.720 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Instrument :
BNA_F
ClientSampleId :
TP-76

Tgt Ion:228 Resp: 78067

Ion	Ratio	Lower	Upper
228	100		
226	31.3	21.2	31.8
229	21.0	15.6	23.4

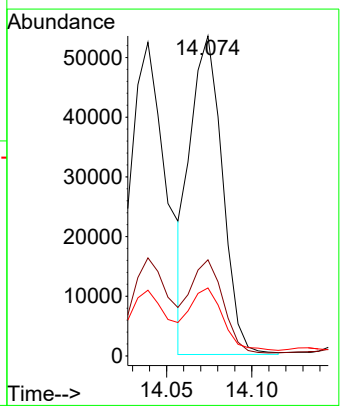


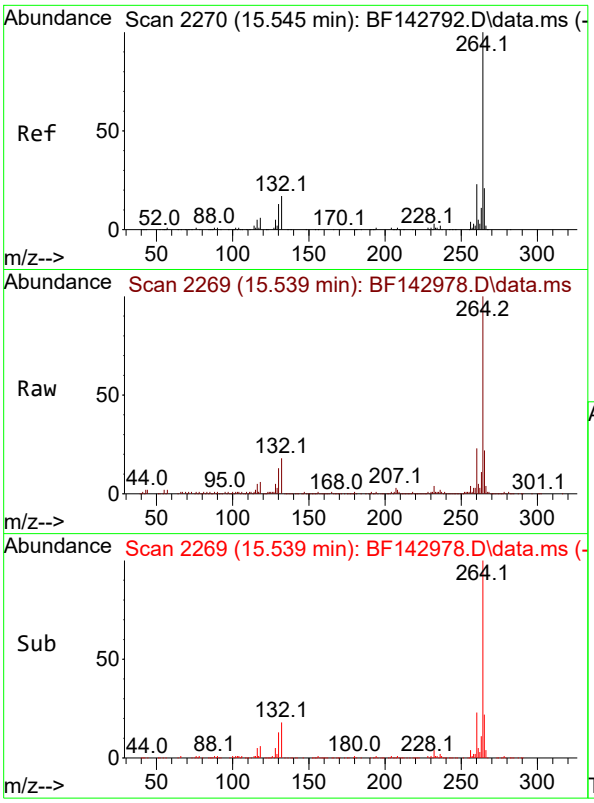


#83
Chrysene
Concen: 8.791 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Tgt Ion:228 Resp: 70229

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.7	35.5
229	21.2	15.7	23.5



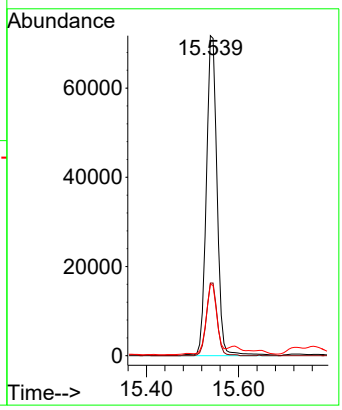


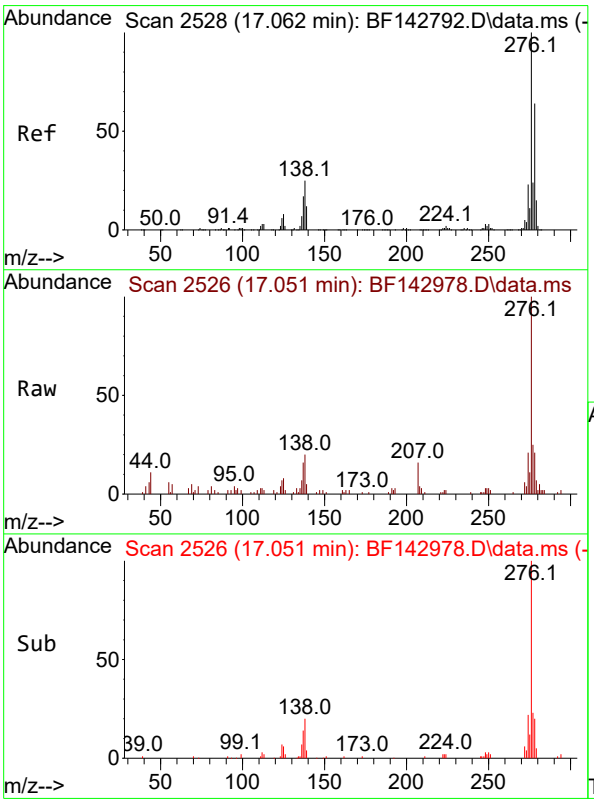
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Instrument :
BNA_F
ClientSampleId :
TP-76

Tgt Ion:264 Resp: 116845

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.1	27.1
265	22.4	16.6	25.0

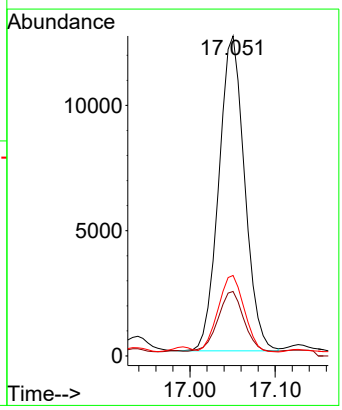


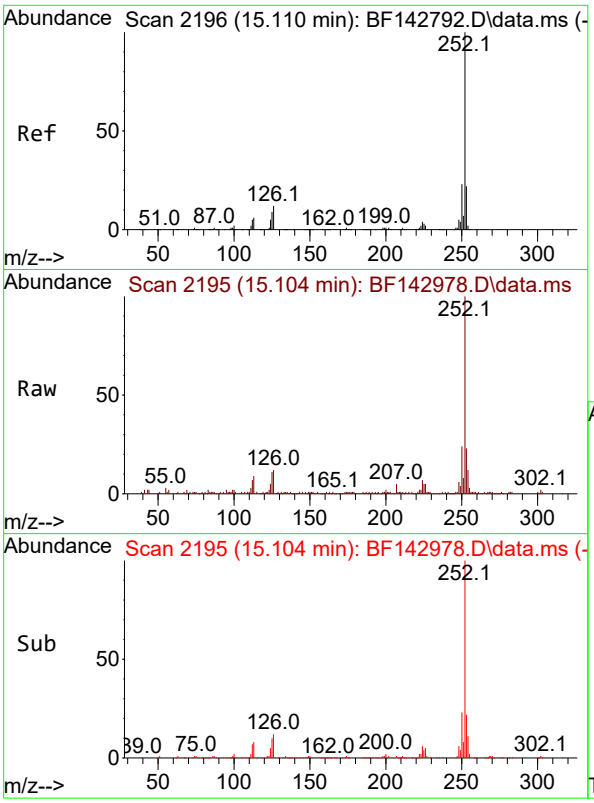


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.979 ng
RT: 17.051 min Scan# 2526
Delta R.T. -0.012 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Tgt Ion:276 Resp: 26510

Ion	Ratio	Lower	Upper
276	100		
138	18.8	20.2	30.4#
277	25.4	19.8	29.6



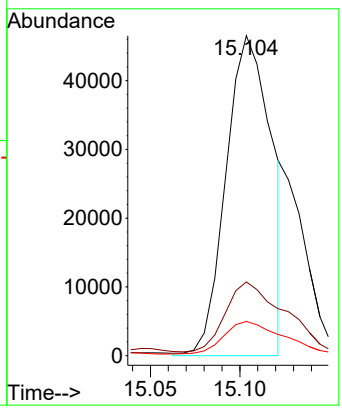


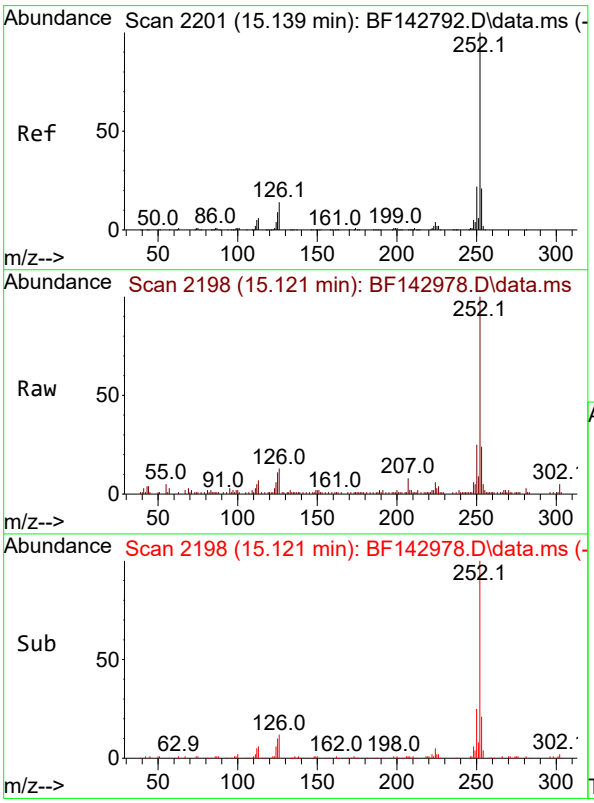
#88
Benzo(b)fluoranthene
Concen: 12.171 ng m
RT: 15.104 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Instrument :
BNA_F
ClientSampleId :
TP-76

Tgt Ion:252 Resp: 82289

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	10.7	7.4	11.0

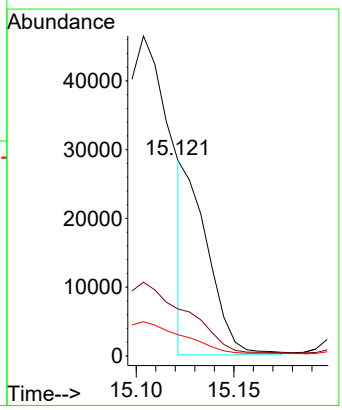


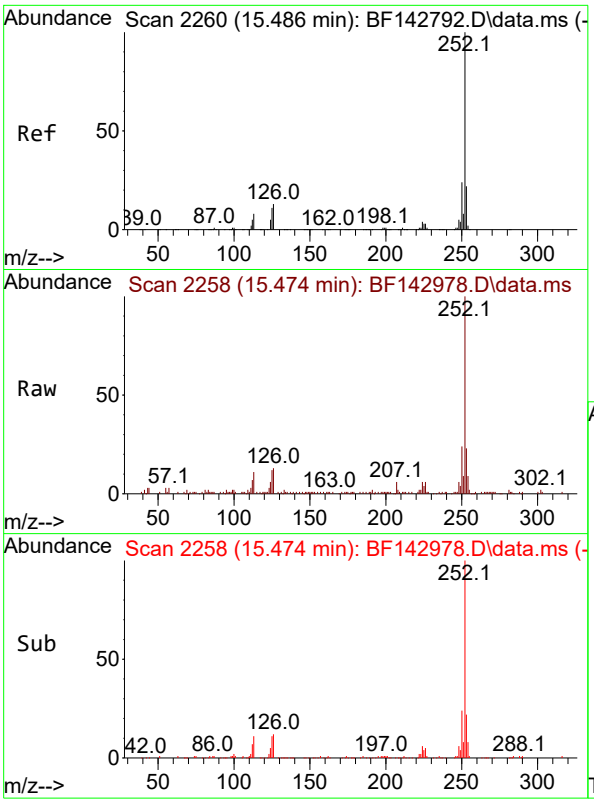


#89
Benzo(k)fluoranthene
Concen: 3.794 ng m
RT: 15.121 min Scan# 2198
Delta R.T. -0.018 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Tgt Ion:252 Resp: 24002

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.2	25.8
125	10.9	7.4	11.2



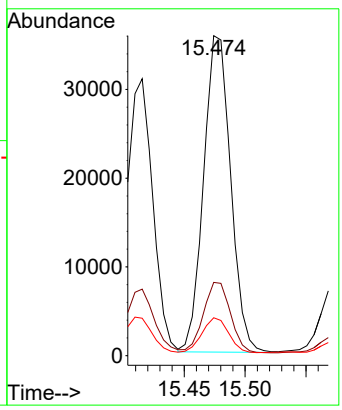


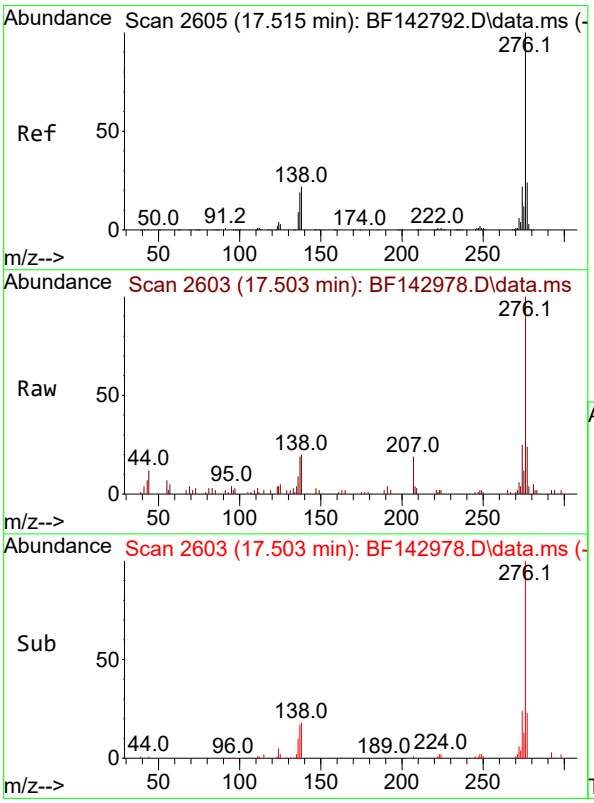
#90
Benzo(a)pyrene
Concen: 8.448 ng
RT: 15.474 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Instrument :
BNA_F
ClientSampleId :
TP-76

Tgt Ion:252 Resp: 55182

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	11.9	8.6	12.8

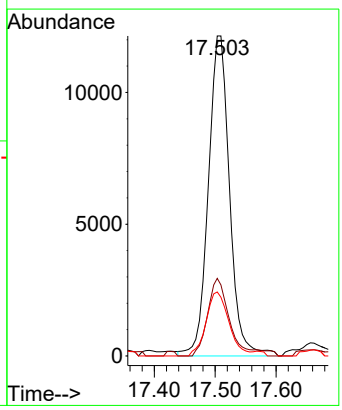




#92
Benzo(g,h,i)perylene
Concen: 4.085 ng
RT: 17.503 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Tgt Ion:276 Resp: 29453

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.8	28.2
138	20.0	17.6	26.4



Sample Results: **BF142978.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142978.D
Acq On : 02 Jul 2025 18:50
Operator : RC/JU
Sample : Q2458-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-76

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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142978.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.075	486	490	505	rVB	65314	100879	7.48%	0.853%
2	5.487	554	560	582	rVB	768730	997050	73.93%	8.433%
3	6.498	727	732	749	rBV	766667	1025114	76.01%	8.670%
4	6.869	790	795	803	rVB	275867	335931	24.91%	2.841%
5	7.434	885	891	896	rBV	523206	651429	48.30%	5.510%
6	8.157	1009	1014	1021	rBV	355066	444724	32.97%	3.761%
7	9.233	1191	1197	1202	rBV	1048020	1348719	100.00%	11.407%
8	9.775	1285	1289	1296	rBV	19747	25113	1.86%	0.212%
9	9.910	1307	1312	1318	rBV	387823	488601	36.23%	4.132%
10	10.627	1428	1434	1441	rBV	110684	142678	10.58%	1.207%
11	10.704	1441	1447	1461	rVV	580556	740752	54.92%	6.265%
12	10.822	1461	1467	1474	rVB5	10899	20980	1.56%	0.177%
13	11.404	1560	1566	1575	rBV2	334277	505981	37.52%	4.279%
14	11.733	1618	1622	1627	rVB2	10927	14789	1.10%	0.125%
15	11.927	1647	1655	1662	rBV4	84278	175364	13.00%	1.483%
16	12.016	1666	1670	1673	rBV	40804	61314	4.55%	0.519%
17	12.198	1698	1701	1704	rBV	13715	17573	1.30%	0.149%
18	12.227	1704	1706	1711	rVB2	16643	21472	1.59%	0.182%
19	12.345	1721	1726	1729	rBV2	13113	22245	1.65%	0.188%
20	12.380	1729	1732	1734	rBV	17716	19041	1.41%	0.161%
21	12.457	1740	1745	1748	rBV	59966	90269	6.69%	0.763%
22	12.486	1748	1750	1757	rVV3	33221	58811	4.36%	0.497%
23	12.545	1757	1760	1768	rVB3	31274	47655	3.53%	0.403%
24	12.616	1768	1772	1777	rBV	169786	215190	15.96%	1.820%
25	12.663	1777	1780	1782	rBV	10744	14178	1.05%	0.120%
26	12.716	1786	1789	1792	rVV	12496	15013	1.11%	0.127%
27	12.768	1792	1798	1801	rVV3	10006	19536	1.45%	0.165%
28	12.851	1805	1812	1817	rBV	215541	324082	24.03%	2.741%
29	12.904	1817	1821	1825	rVB2	28849	38234	2.83%	0.323%
30	12.986	1825	1835	1843	rVB	754685	1002052	74.30%	8.475%
31	13.068	1843	1849	1855	rBV3	44279	84072	6.23%	0.711%
32	13.168	1860	1866	1870	rBV3	36656	80692	5.98%	0.682%
33	13.280	1881	1885	1892	rVB2	55275	71069	5.27%	0.601%
34	13.374	1897	1901	1903	rBV	44392	53128	3.94%	0.449%
35	13.404	1903	1906	1909	rVV2	34808	38608	2.86%	0.327%
36	13.433	1909	1911	1915	rVB4	17810	20125	1.49%	0.170%

Sample Results: **BF142978.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142978.D
Acq On : 02 Jul 2025 18:50
Operator : RC/JU
Sample : Q2458-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-76

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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	13.557	1928	1932	1934	rBV4	12143	18228	1.35%	0.154%
38	13.686	1950	1954	1959	rVB	32286	44449	3.30%	0.376%
39	13.745	1961	1964	1967	rBV	12746	14152	1.05%	0.120%
40	13.798	1967	1973	1976	rBV3	37939	70939	5.26%	0.600%
41	13.892	1984	1989	1999	rVB4	59679	134298	9.96%	1.136%
42	14.045	2009	2015	2027	rBV3	358594	762312	56.52%	6.447%
43	14.133	2028	2030	2035	rVV3	17389	31897	2.36%	0.270%
44	14.198	2038	2041	2050	rVB8	28297	65933	4.89%	0.558%
45	14.433	2078	2081	2084	rVB2	41033	48073	3.56%	0.407%
46	14.468	2084	2087	2091	rVV2	26798	29090	2.16%	0.246%
47	14.527	2091	2097	2100	rVV3	23281	56225	4.17%	0.476%
48	14.562	2100	2103	2110	rVB3	35242	69106	5.12%	0.584%
49	15.104	2190	2195	2208	rBV	126436	294801	21.86%	2.493%
50	15.215	2210	2214	2218	rBV	20168	29927	2.22%	0.253%
51	15.415	2243	2248	2254	rBV	77492	119926	8.89%	1.014%
52	15.474	2254	2258	2264	rVV	95591	143808	10.66%	1.216%
53	15.539	2264	2269	2282	rVB	196323	353536	26.21%	2.990%
54	16.698	2462	2466	2482	rVB	14163	44335	3.29%	0.375%
55	17.051	2520	2526	2534	rVB2	35025	74473	5.52%	0.630%
56	17.292	2562	2567	2572	rBV3	9320	19047	1.41%	0.161%
57	17.503	2597	2603	2613	rVB	29809	66581	4.94%	0.563%

Sum of corrected areas: 11823599

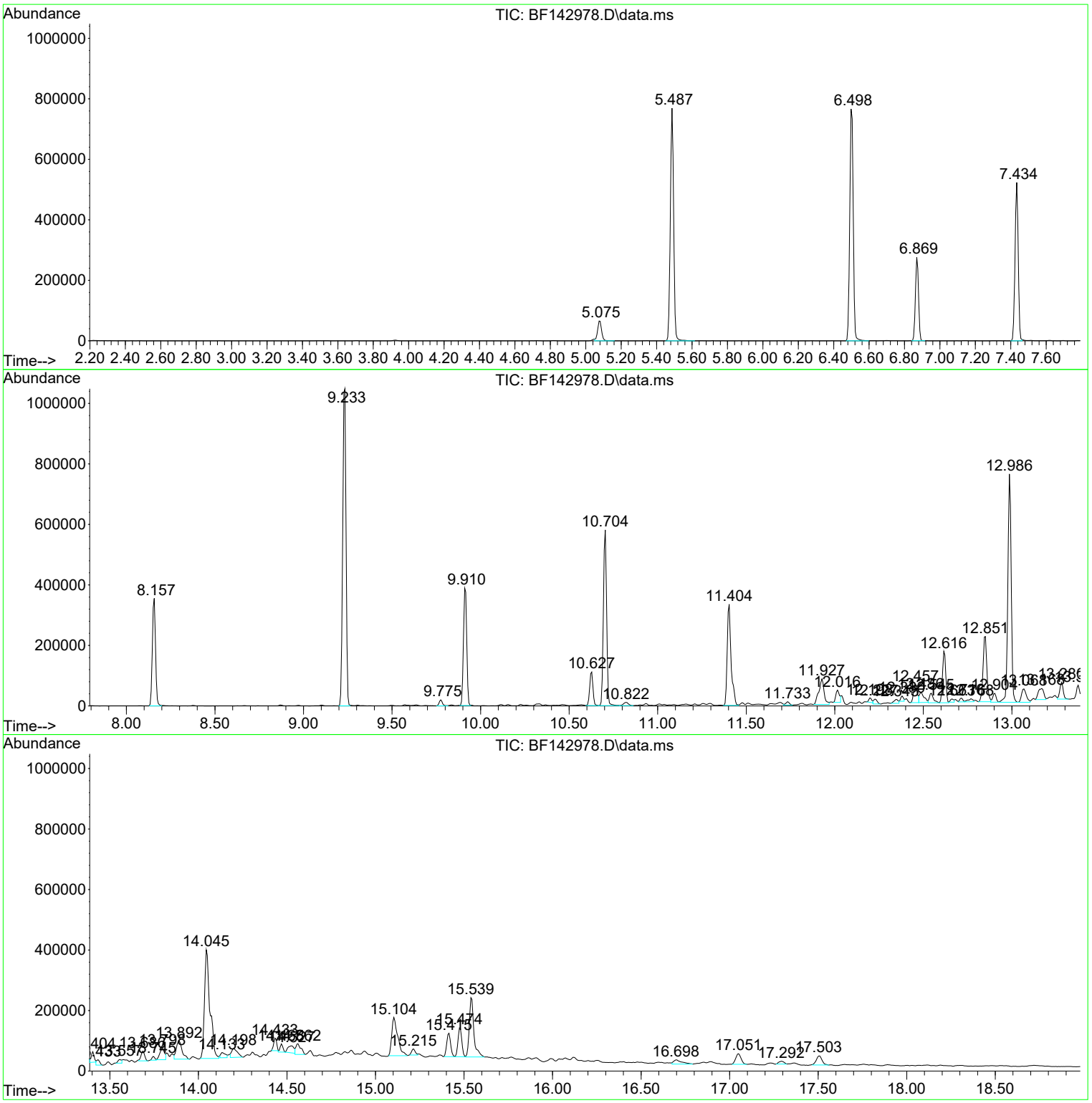
Sample Results: **BF142978.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142978.D
Acq On : 02 Jul 2025 18:50
Operator : RC/JU
Sample : Q2458-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-76

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Acq On : 02 Jul 2025 18:50
Operator : RC/JU
Sample : Q2458-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-76

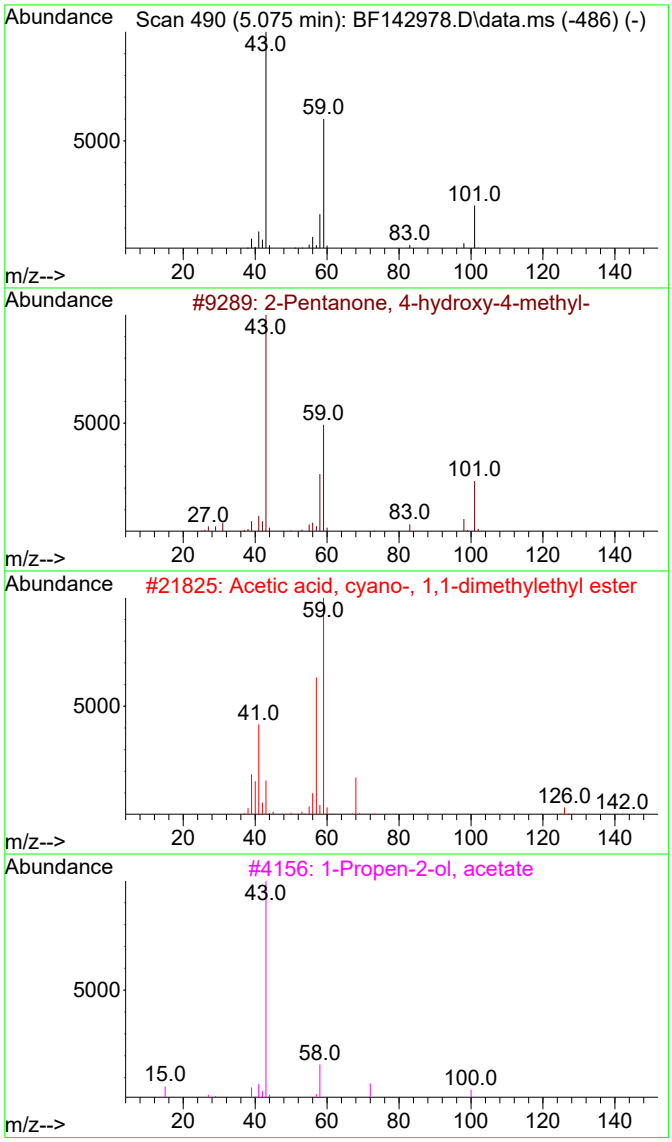
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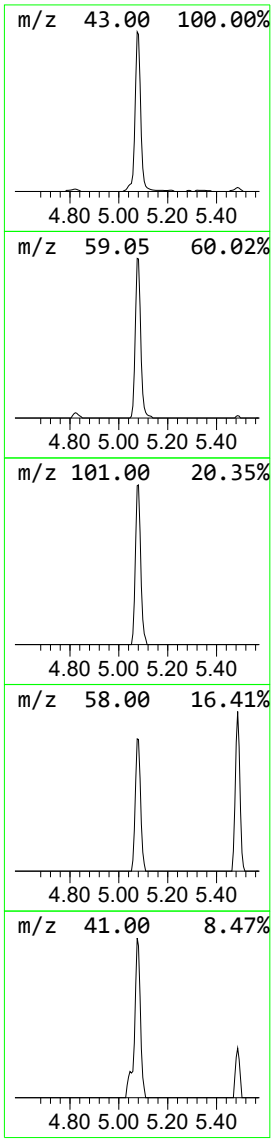
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****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.075	6.01 ng	100879	1,4-Dichlorobenzene-d4	6.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Propanoic acid, 2-hydroxy-2-methyl-	104	C4H8O3	000594-61-6	9
5	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142978.D
Acq On : 02 Jul 2025 18:50
Operator : RC/JU
Sample : Q2458-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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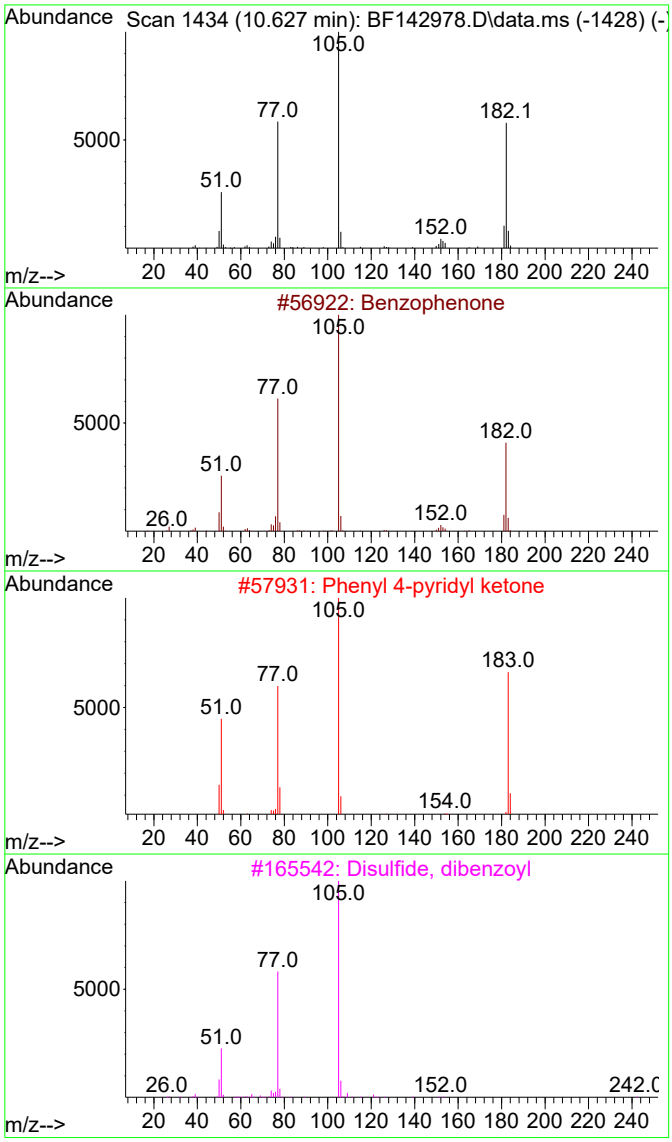
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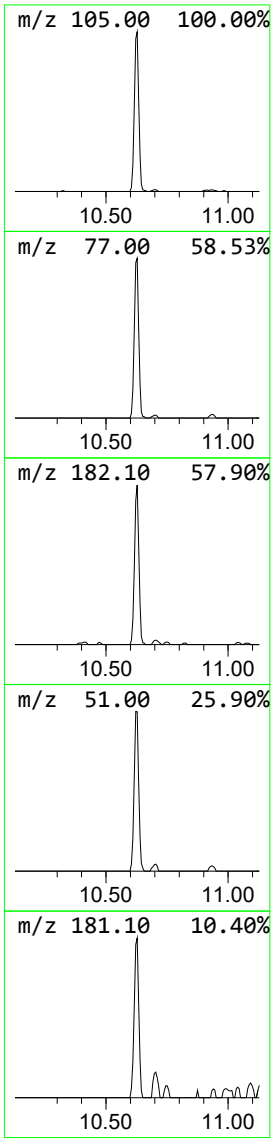
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Peak Number 2 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.627	5.84 ng	142678	Acenaphthene-d10	9.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	53
3	Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	49
4	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
5	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142978.D
Acq On : 02 Jul 2025 18:50
Operator : RC/JU
Sample : Q2458-01
Misc :
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Instrument :
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ClientSampleId :
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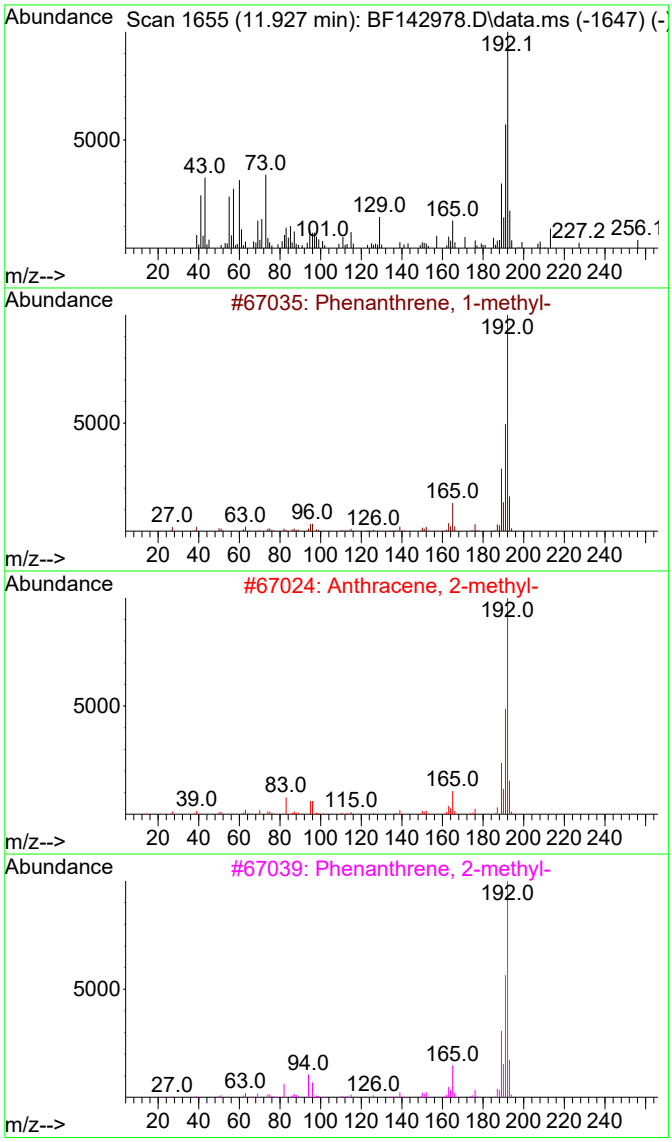
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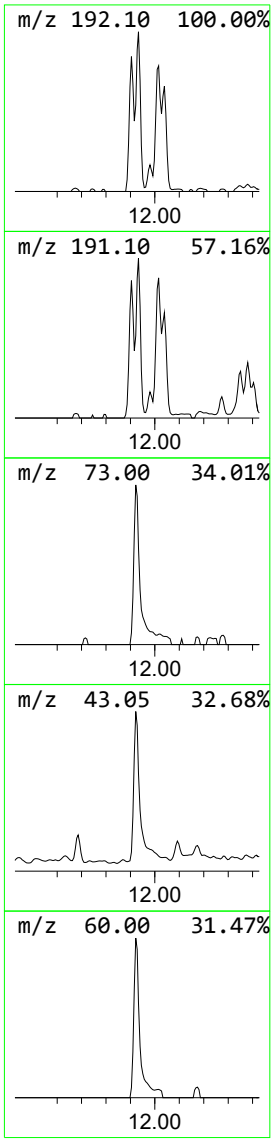
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****
Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	6.93 ng	175364	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142978.D
Acq On : 02 Jul 2025 18:50
Operator : RC/JU
Sample : Q2458-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-76

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

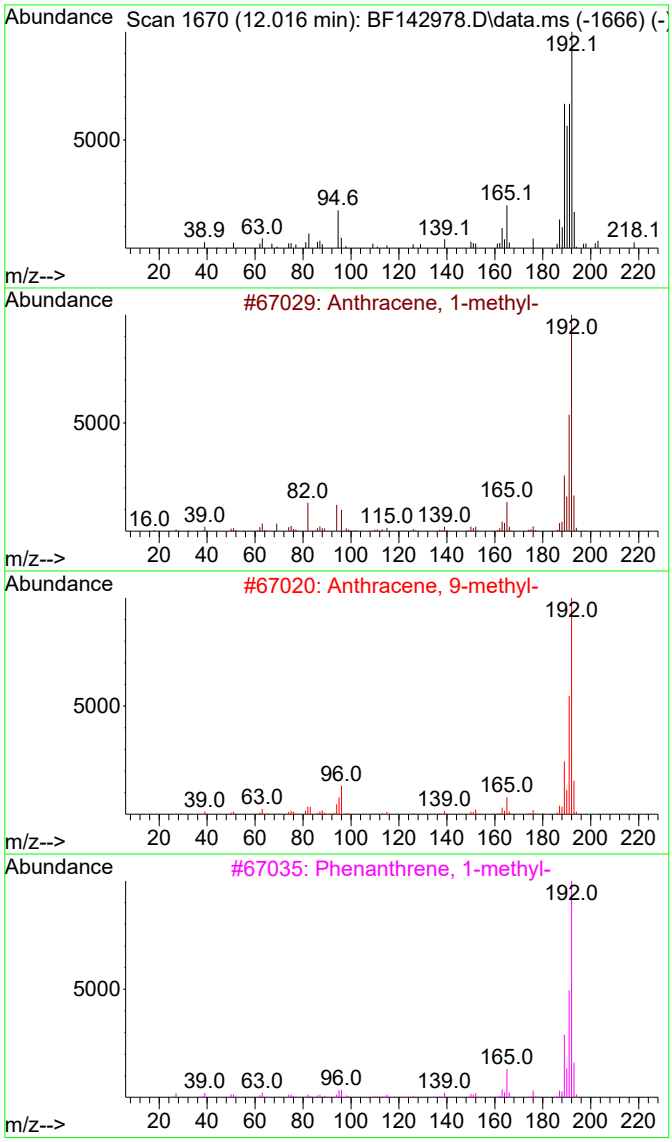
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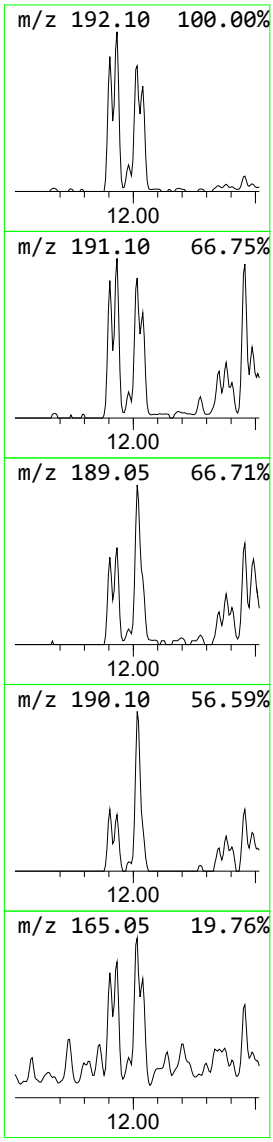
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Peak Number 4 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.016	2.42 ng	61314	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	64
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142978.D
Acq On : 02 Jul 2025 18:50
Operator : RC/JU
Sample : Q2458-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-76

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

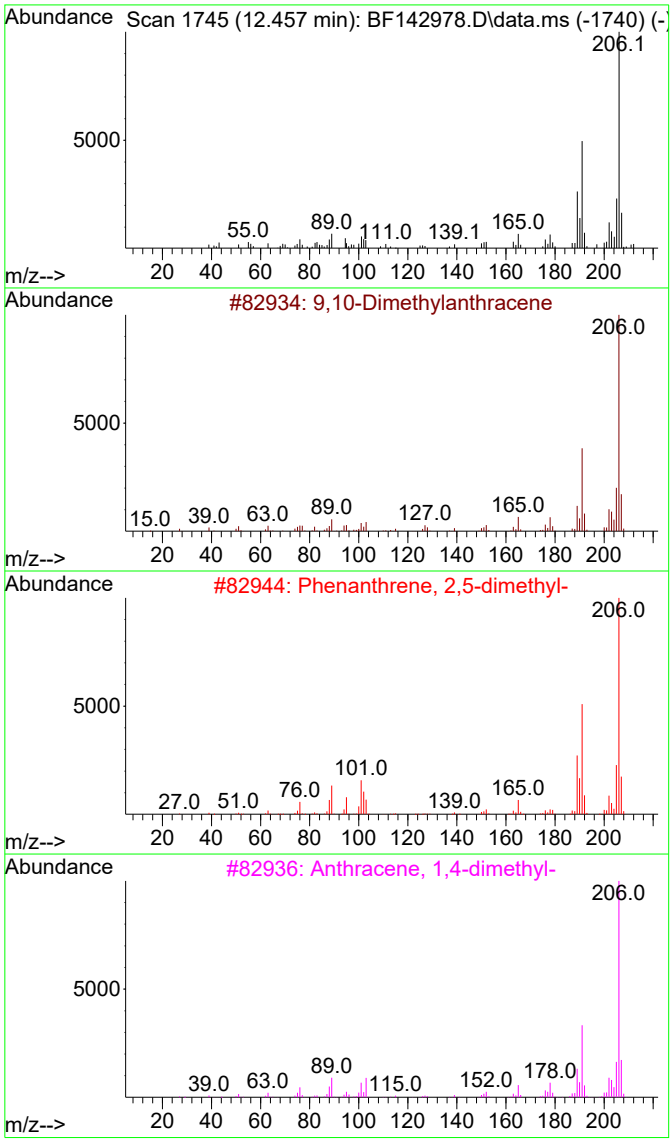
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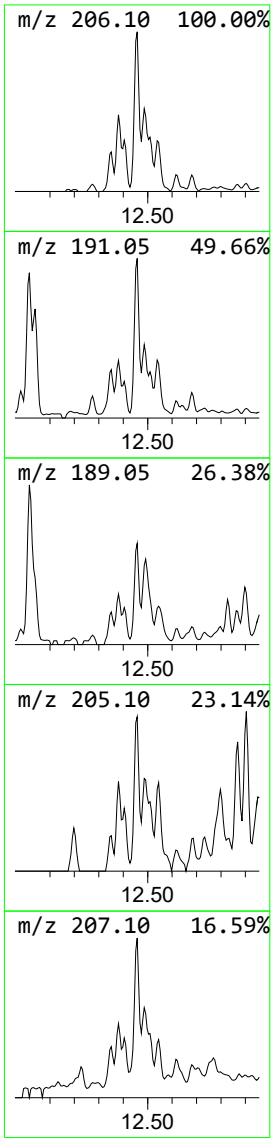
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Peak Number 5 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.457	3.57 ng	90269	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	92
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	86
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	81





Sample Results: **BF142978.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142978.D
Acq On : 02 Jul 2025 18:50
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Misc :
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ClientSampleId :
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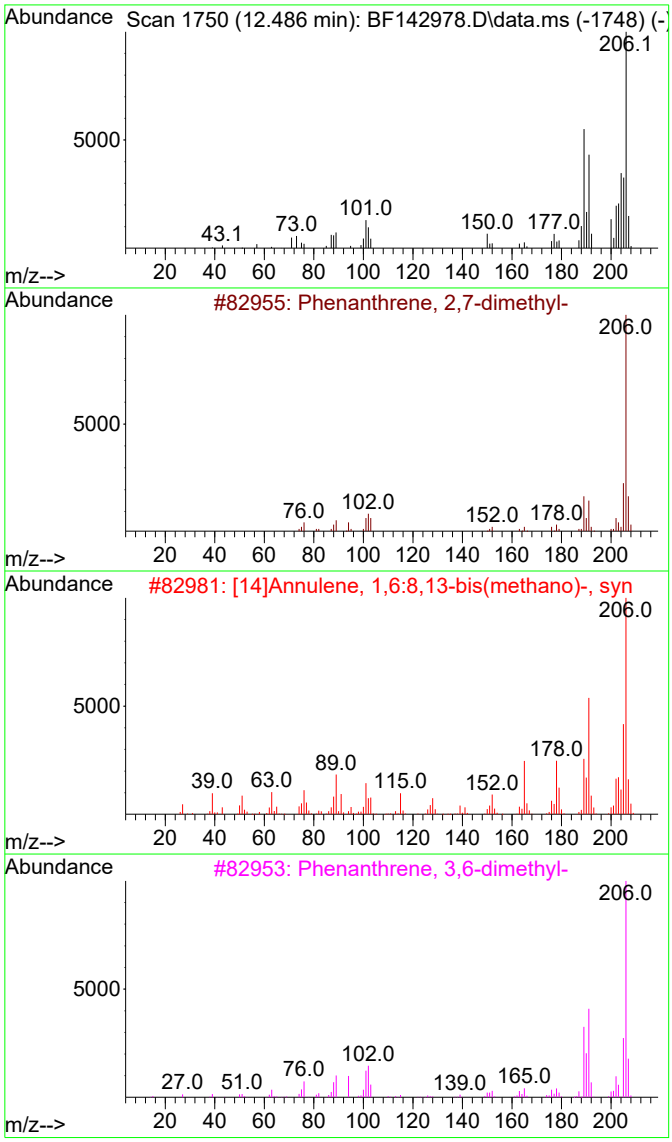
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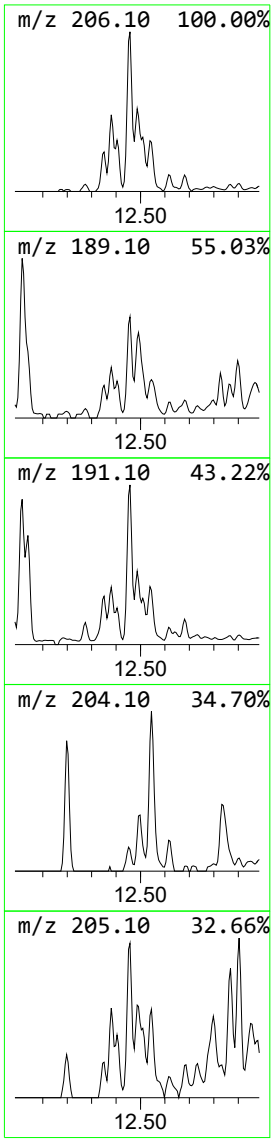
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 Phenanthrene, 2,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.486	2.32 ng	58811	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	76
2	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	58
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	58
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	53
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142978.D
Acq On : 02 Jul 2025 18:50
Operator : RC/JU
Sample : Q2458-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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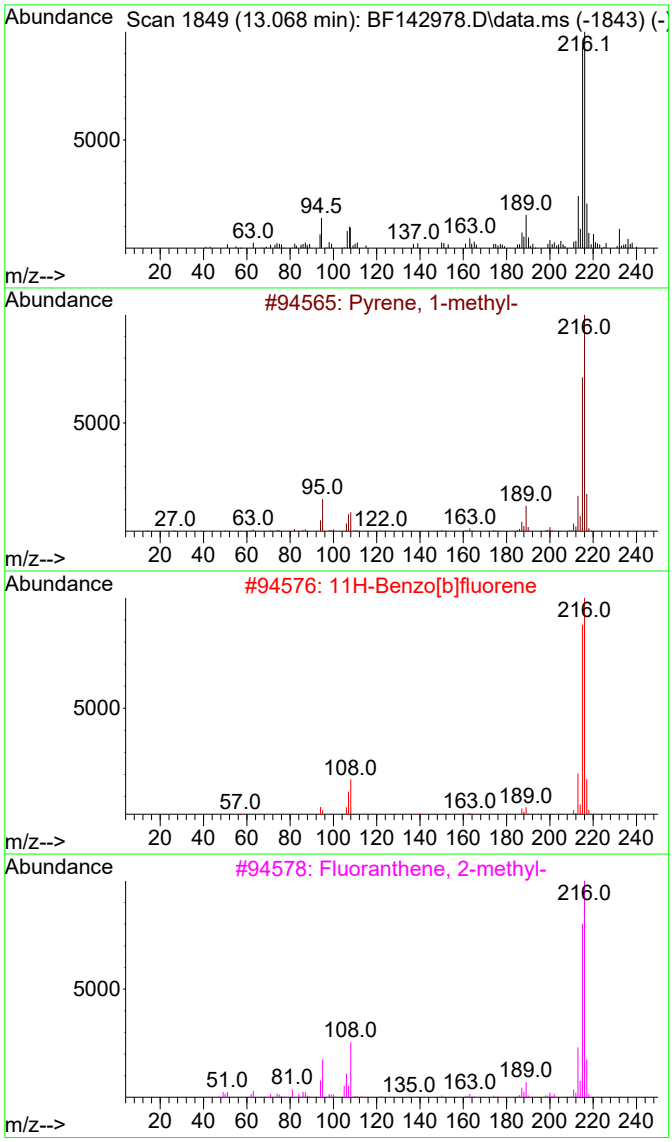
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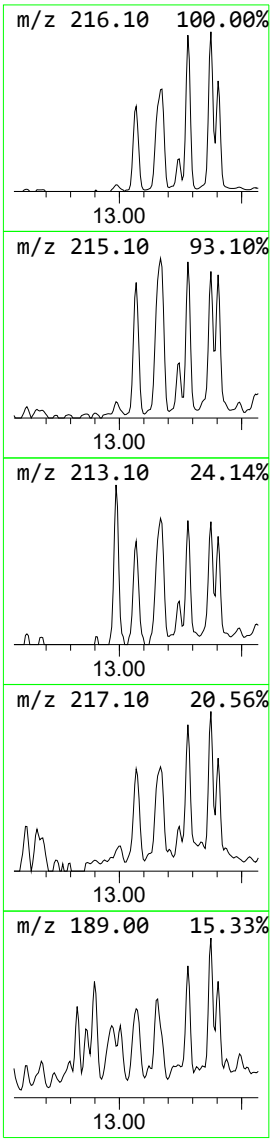
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Peak Number 7 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.069	2.21 ng	84072	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	89
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68





Sample Results: **BF142978.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142978.D
Acq On : 02 Jul 2025 18:50
Operator : RC/JU
Sample : Q2458-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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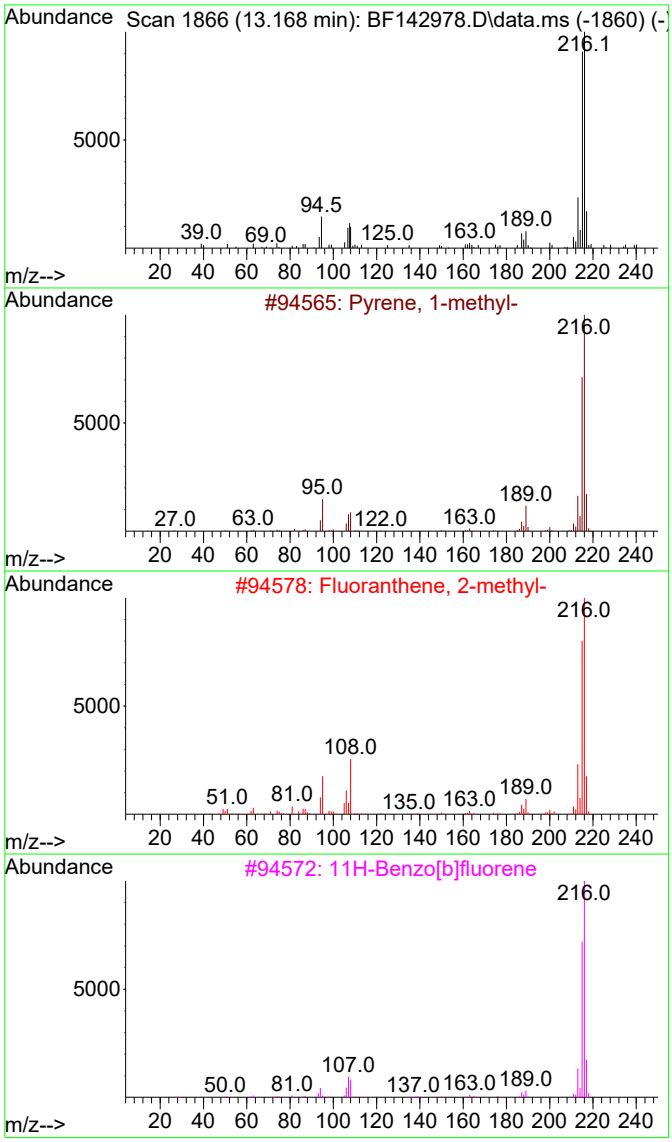
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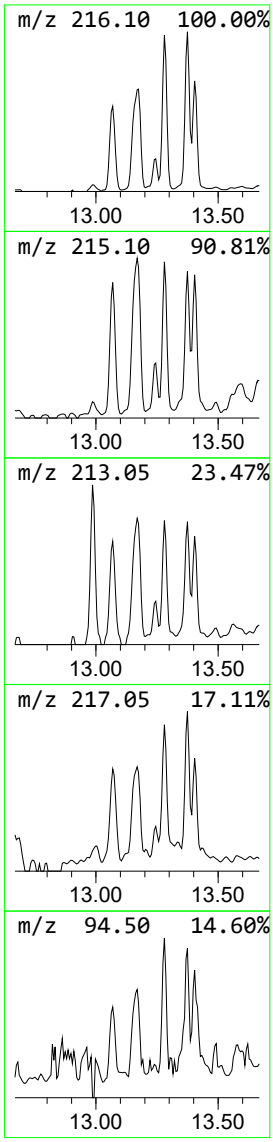
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Peak Number 8 Fluoranthene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.169	2.12 ng	80692	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142978.D
Acq On : 02 Jul 2025 18:50
Operator : RC/JU
Sample : Q2458-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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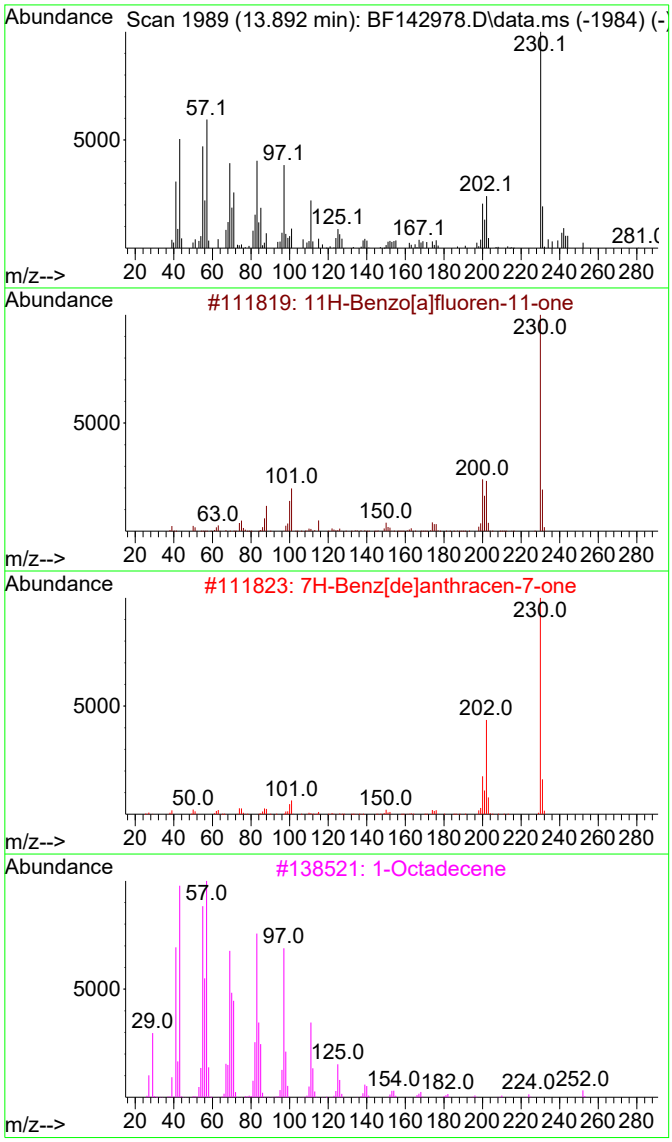
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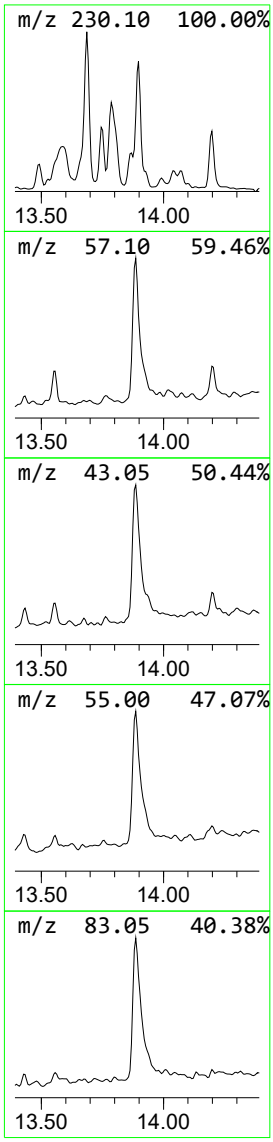
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Peak Number 9 11H-Benzo[a]fluoren-11-one Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	3.52 ng	134298	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	50
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	46
3	1-Octadecene	252	C18H36	000112-88-9	38
4	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	30
5	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142978.D
Acq On : 02 Jul 2025 18:50
Operator : RC/JU
Sample : Q2458-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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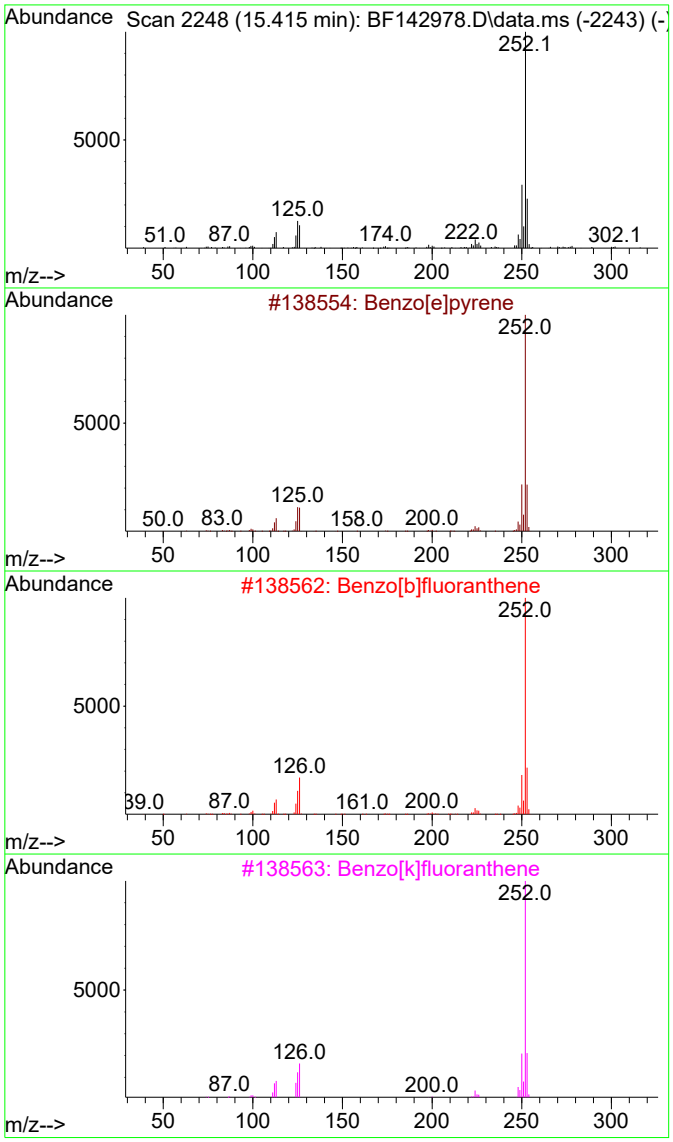
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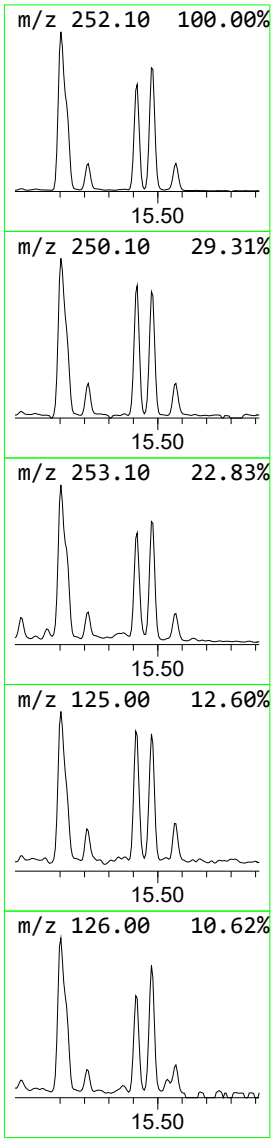
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Peak Number 10 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.415	6.78 ng	119926	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142978.D
Acq On : 02 Jul 2025 18:50
Operator : RC/JU
Sample : Q2458-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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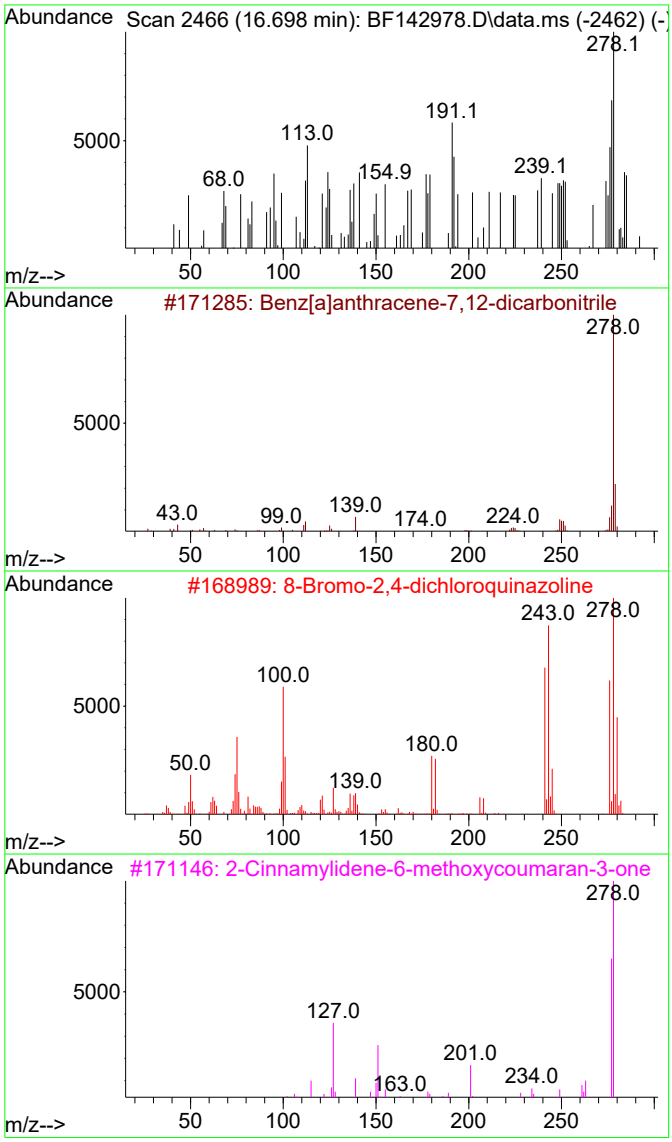
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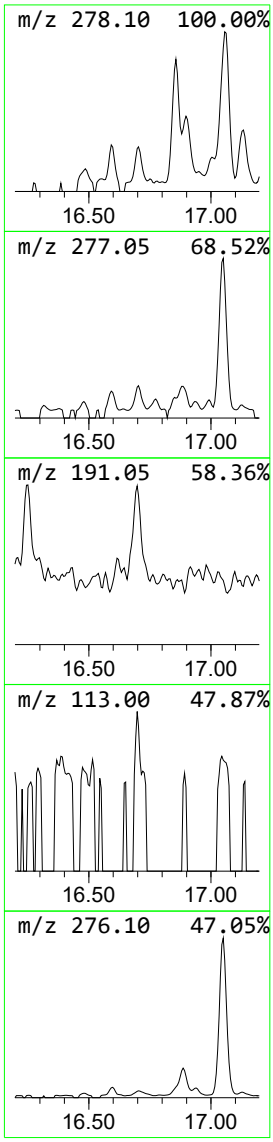
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Peak Number 11 unknown16.698 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.698	2.51 ng	44335	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene-7,12-dicarboni...	278	C20H10N2	035215-32-8	14
2	8-Bromo-2,4-dichloroquinazoline	276	C8H3BrCl2N2	331647-05-3	14
3	2-Cinnamylidene-6-methoxycoumara...	278	C18H14O3	077765-15-2	12
4	Anthra[2,3-b]furan-4,11-dione, 2...	278	C18H14O3	054964-97-5	11
5	Phenanthro[3,2-b]furan-7,11-dion...	278	C18H14O3	020958-18-3	11





Sample Results: **BF142978.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142978.D
Acq On : 02 Jul 2025 18:50
Operator : RC/JU
Sample : Q2458-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-76

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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-...	5.075	6.0	ng	100879	1	6.869	335931	20.0
Benzophenone	10.627	5.8	ng	142678	3	9.910	488601	20.0
Phenanthrene, 1...	11.927	6.9	ng	175364	4	11.404	505981	20.0
Anthracene, 1-m...	12.016	2.4	ng	61314	4	11.404	505981	20.0
9,10-Dimethylan...	12.457	3.6	ng	90269	4	11.404	505981	20.0
Phenanthrene, 2...	12.486	2.3	ng	58811	4	11.404	505981	20.0
Pyrene, 1-methyl-	13.069	2.2	ng	84072	5	14.051	762312	20.0
Fluoranthene, 2...	13.169	2.1	ng	80692	5	14.051	762312	20.0
11H-Benzo[a]flu...	13.892	3.5	ng	134298	5	14.051	762312	20.0
Benzo[e]pyrene	15.415	6.8	ng	119926	6	15.539	353536	20.0
unknown16.698	16.698	2.5	ng	44335	6	15.539	353536	20.0

Raw Data: **BF142985.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-55	SDG No.:	Q2458
Lab Sample ID:	Q2458-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.4
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142985.D	1	07/01/25 09:30	07/02/25 22:22	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	360	ug/Kg
108-95-2	Phenol	24.1	U	24.1	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.5	U	26.5	190	ug/Kg
95-57-8	2-Chlorophenol	26.6	U	26.6	190	ug/Kg
95-48-7	2-Methylphenol	32.6	U	32.6	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40.9	U	40.9	190	ug/Kg
98-86-2	Acetophenone	32.2	U	32.2	190	ug/Kg
65794-96-9	3+4-Methylphenols	44.8	U	44.8	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.7	U	51.7	87.3	ug/Kg
67-72-1	Hexachloroethane	19.2	U	19.2	190	ug/Kg
98-95-3	Nitrobenzene	20.0	U	20.0	190	ug/Kg
78-59-1	Isophorone	35.8	U	35.8	190	ug/Kg
88-75-5	2-Nitrophenol	63.5	U	63.5	190	ug/Kg
105-67-9	2,4-Dimethylphenol	70.7	U	70.7	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	33.6	U	33.6	190	ug/Kg
120-83-2	2,4-Dichlorophenol	30.9	U	30.9	190	ug/Kg
91-20-3	Naphthalene	24.8	U	24.8	190	ug/Kg
106-47-8	4-Chloroaniline	38.6	U	38.6	190	ug/Kg
87-68-3	Hexachlorobutadiene	27.6	U	27.6	190	ug/Kg
105-60-2	Caprolactam	56.8	U	56.8	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.3	U	31.3	190	ug/Kg
91-57-6	2-Methylnaphthalene	27.9	U	27.9	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.6	U	21.6	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	31.7	U	31.7	190	ug/Kg
92-52-4	1,1-Biphenyl	23.8	U	23.8	190	ug/Kg
91-58-7	2-Chloronaphthalene	24.5	U	24.5	190	ug/Kg
88-74-4	2-Nitroaniline	52.5	U	52.5	190	ug/Kg
131-11-3	Dimethylphthalate	29.6	U	29.6	190	ug/Kg

Raw Data: **BF142985.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-55	SDG No.:	Q2458
Lab Sample ID:	Q2458-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.4
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142985.D	1	07/01/25 09:30	07/02/25 22:22	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.5	U	31.5	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	36.7	U	36.7	190	ug/Kg
99-09-2	3-Nitroaniline	50.2	U	50.2	190	ug/Kg
83-32-9	Acenaphthene	23.2	U	23.2	190	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	360	ug/Kg
132-64-9	Dibenzofuran	24.8	U	24.8	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	54.7	U	54.7	190	ug/Kg
84-66-2	Diethylphthalate	30.9	U	30.9	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29.1	U	29.1	190	ug/Kg
86-73-7	Fluorene	27.6	U	27.6	190	ug/Kg
100-01-6	4-Nitroaniline	70.0	U	70.0	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	35.9	U	35.9	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.3	U	30.3	190	ug/Kg
118-74-1	Hexachlorobenzene	27.6	U	27.6	190	ug/Kg
1912-24-9	Atrazine	37.1	U	37.1	190	ug/Kg
87-86-5	Pentachlorophenol	56.0	U	56.0	360	ug/Kg
85-01-8	Phenanthrene	22.8	U	22.8	190	ug/Kg
120-12-7	Anthracene	36.3	U	36.3	190	ug/Kg
86-74-8	Carbazole	34.0	U	34.0	190	ug/Kg
84-74-2	Di-n-butylphthalate	52.3	U	52.3	190	ug/Kg
206-44-0	Fluoranthene	190		32.7	190	ug/Kg
129-00-0	Pyrene	200		39.3	190	ug/Kg
85-68-7	Butylbenzylphthalate	77.9	UQ	77.9	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	40.0	U	40.0	360	ug/Kg
56-55-3	Benzo(a)anthracene	170	J	25.1	190	ug/Kg
218-01-9	Chrysene	140	J	21.7	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	64.6	U	64.6	190	ug/Kg
117-84-0	Di-n-octyl phthalate	94.7	U	94.7	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	270		20.7	190	ug/Kg

Raw Data: **BF142985.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-55	SDG No.:	Q2458
Lab Sample ID:	Q2458-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.4
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142985.D	1	07/01/25 09:30	07/02/25 22:22	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	98.3	J	24.4	190	ug/Kg
50-32-8	Benzo(a)pyrene	200		32.2	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	93.1	J	31.7	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29.9	U	29.9	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	J	28.0	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.9	U	27.9	190	ug/Kg
123-91-1	1,4-Dioxane	49.3	U	49.3	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	29.9	U	29.9	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	77.6		18 - 112	52%	SPK: 150
13127-88-3	Phenol-d6	76.8		15 - 107	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.9		18 - 107	53%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.6		20 - 109	56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	82.2		10 - 116	55%	SPK: 150
1718-51-0	Terphenyl-d14	52.0		10 - 105	52%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	53300	6.869			
1146-65-2	Naphthalene-d8	185000	8.157			
15067-26-2	Acenaphthene-d10	86900	9.91			
1517-22-2	Phenanthrene-d10	146000	11.404			
1719-03-5	Chrysene-d12	91200	14.051			
1520-96-3	Perylene-d12	69800	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	AB		5.08	ug/Kg
000119-61-9	Benzophenone	210	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	260	J		11.9	ug/Kg
006222-03-3	Trifluoroacetoxy hexadecane	130	J		13.9	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-55	SDG No.:	Q2458
Lab Sample ID:	Q2458-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.4
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142985.D	1	07/01/25 09:30	07/02/25 22:22	PB168674

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\BF070225\
Data File : BF142985.D
Acq On : 02 Jul 2025 22:22
Operator : RC/JU
Sample : Q2458-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-55

Quant Time: Jul 03 01:10:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

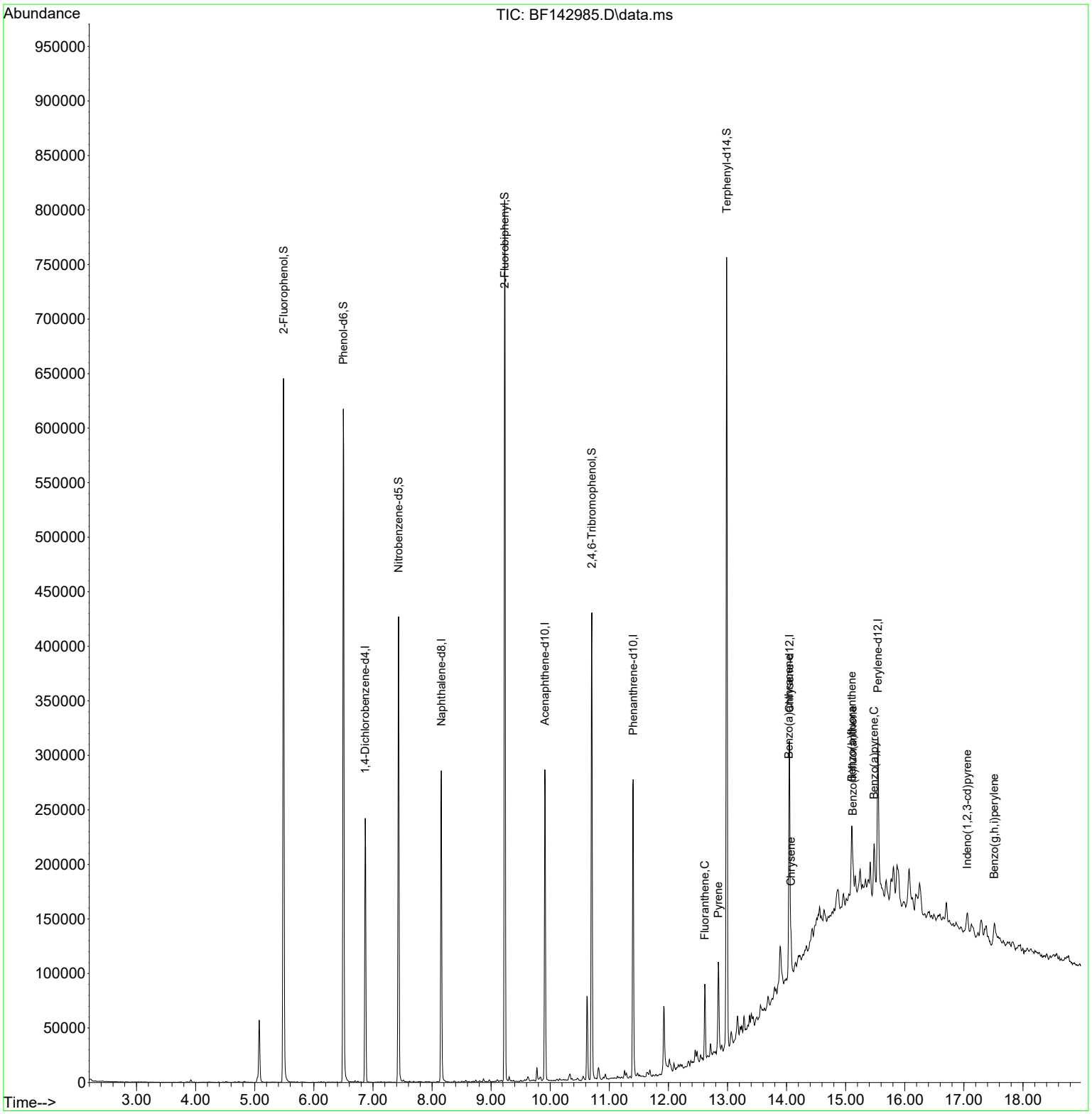
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.869	152	53273	20.000	ng		-0.01
21) Naphthalene-d8	8.157	136	184703	20.000	ng		-0.01
39) Acenaphthene-d10	9.910	164	86853	20.000	ng		-0.01
64) Phenanthrene-d10	11.404	188	146004	20.000	ng		0.00
76) Chrysene-d12	14.051	240	91233	20.000	ng		0.00
86) Perylene-d12	15.545	264	69801	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	248352	77.617	ng		0.00
7) Phenol-d6	6.498	99	289993	76.818	ng		-0.01
23) Nitrobenzene-d5	7.434	82	178114	52.894	ng		-0.01
42) 2,4,6-Tribromophenol	10.704	330	73433	82.160	ng		-0.01
45) 2-Fluorobiphenyl	9.228	172	367305	55.556	ng		-0.02
79) Terphenyl-d14	12.986	244	343356	52.000	ng		-0.01
Target Compounds							Qvalue
75) Fluoranthene	12.616	202	39489	5.261	ng		99
78) Pyrene	12.845	202	45931	5.371	ng		98
81) Benzo(a)anthracene	14.039	228	28893	4.695	ng	#	90
83) Chrysene	14.074	228	21055m	3.834	ng		
87) Indeno(1,2,3-cd)pyrene	17.057	276	13616	2.561	ng		94
88) Benzo(b)fluoranthene	15.104	252	29693m	7.352	ng		
89) Benzo(k)fluoranthene	15.121	252	10217m	2.704	ng		
90) Benzo(a)pyrene	15.480	252	21423	5.490	ng	#	88
92) Benzo(g,h,i)perylene	17.515	276	15818	3.672	ng	#	89

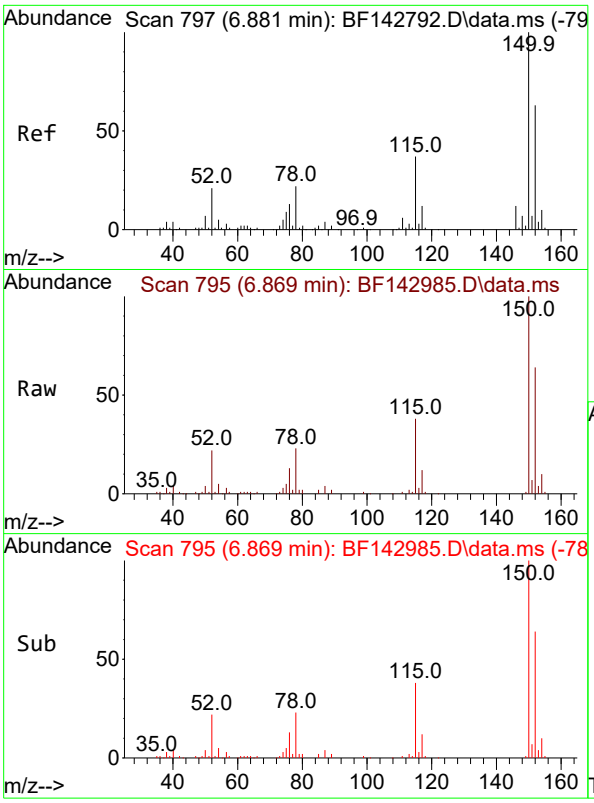
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142985.D
Acq On : 02 Jul 2025 22:22
Operator : RC/JU
Sample : Q2458-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-55

Quant Time: Jul 03 01:10:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



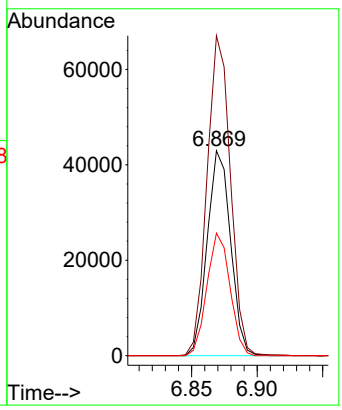


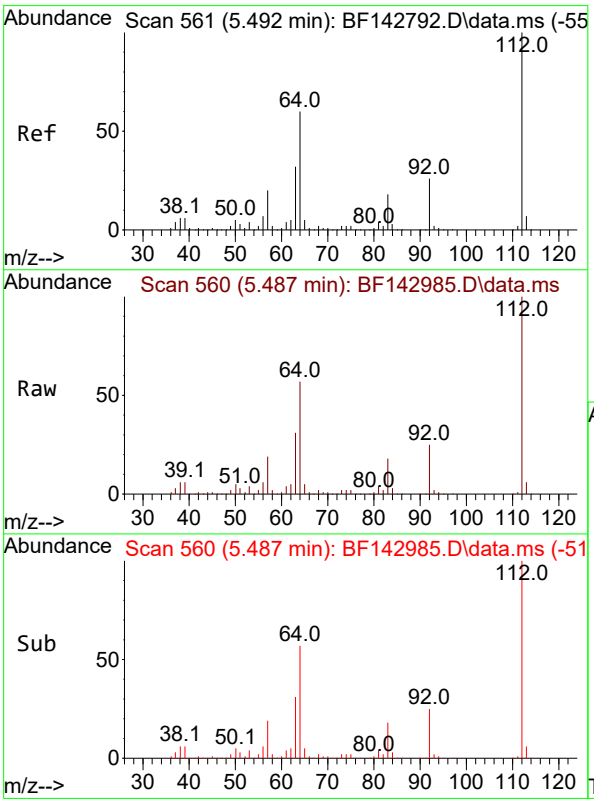
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

Instrument :
BNA_F
ClientSampleId :
TP-55

Tgt Ion:152 Resp: 53273

Ion	Ratio	Lower	Upper
152	100		
150	156.1	127.2	190.8
115	59.8	46.6	69.8

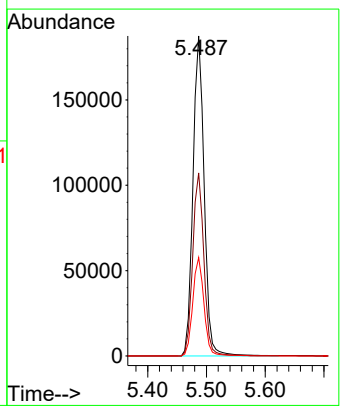


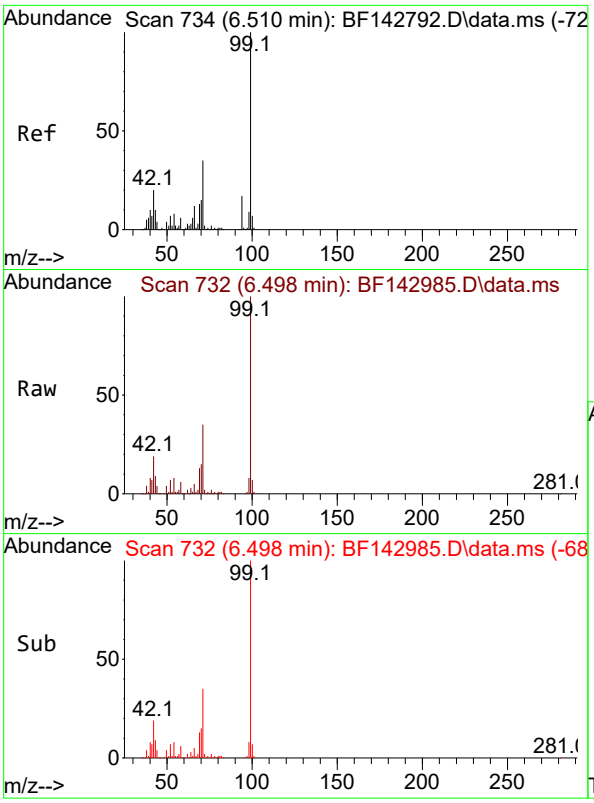


#5
2-Fluorophenol
Concen: 77.617 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

Tgt Ion:112 Resp: 248352

Ion	Ratio	Lower	Upper
112	100		
64	57.2	48.2	72.2
63	30.7	25.7	38.5



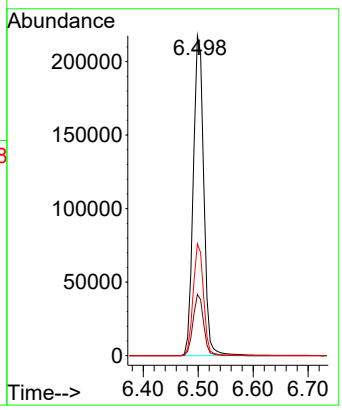


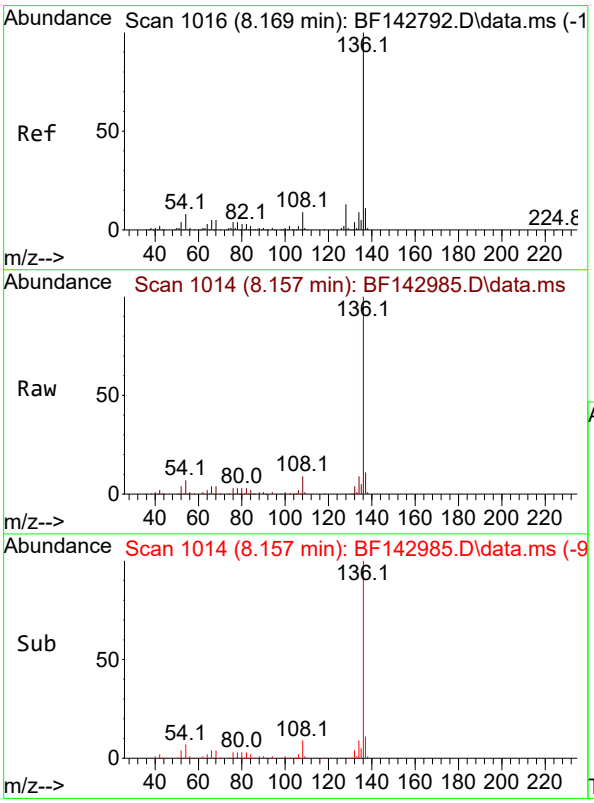
#7
Phenol-d6
Concen: 76.818 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

Instrument :
BNA_F
ClientSampleId :
TP-55

Tgt Ion: 99 Resp: 289993

Ion	Ratio	Lower	Upper
99	100		
42	19.2	15.9	23.9
71	35.0	27.8	41.8

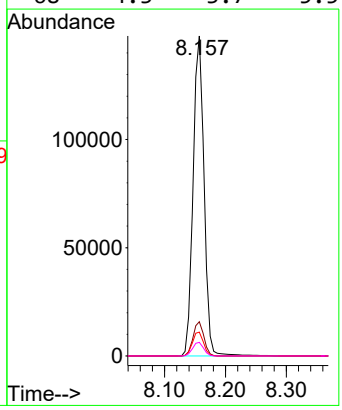


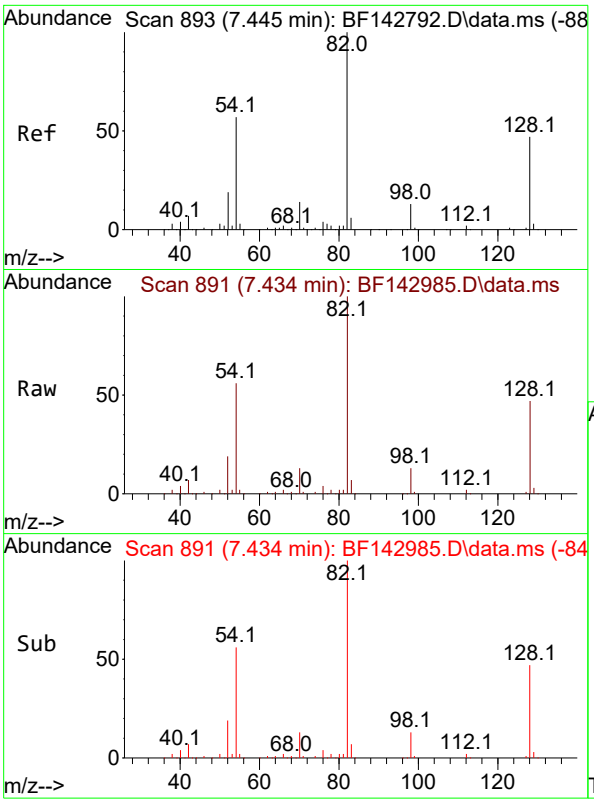


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

Tgt Ion:136 Resp: 184703

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.4	6.3	9.5
68	4.3	3.7	5.5



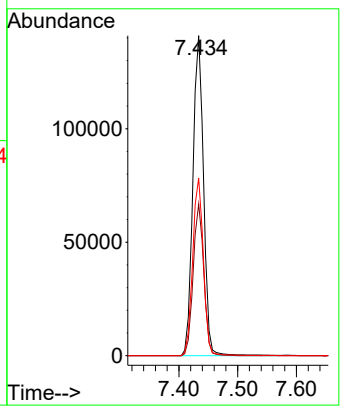


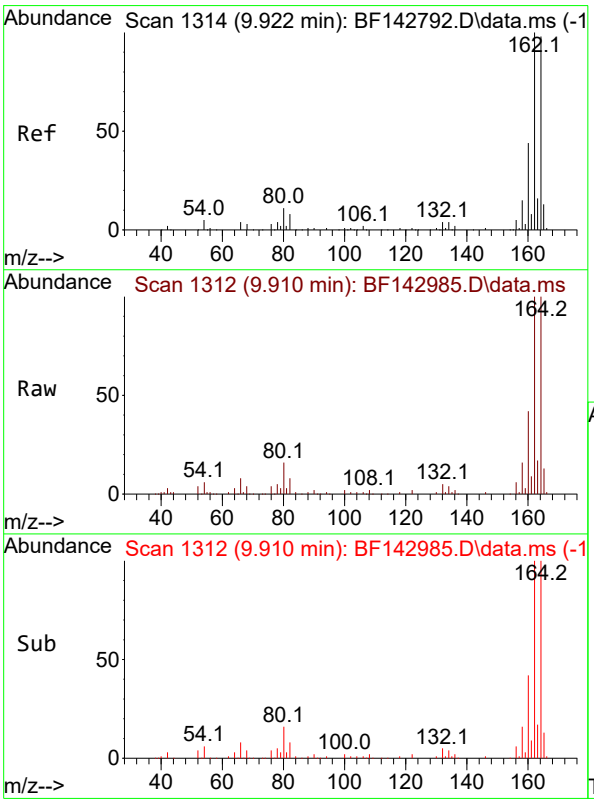
#23
Nitrobenzene-d5
Concen: 52.894 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

Instrument :
BNA_F
ClientSampleId :
TP-55

Tgt Ion: 82 Resp: 178114

Ion	Ratio	Lower	Upper
82	100		
128	47.4	37.7	56.5
54	55.5	45.7	68.5

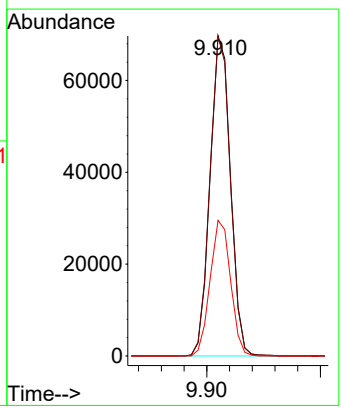


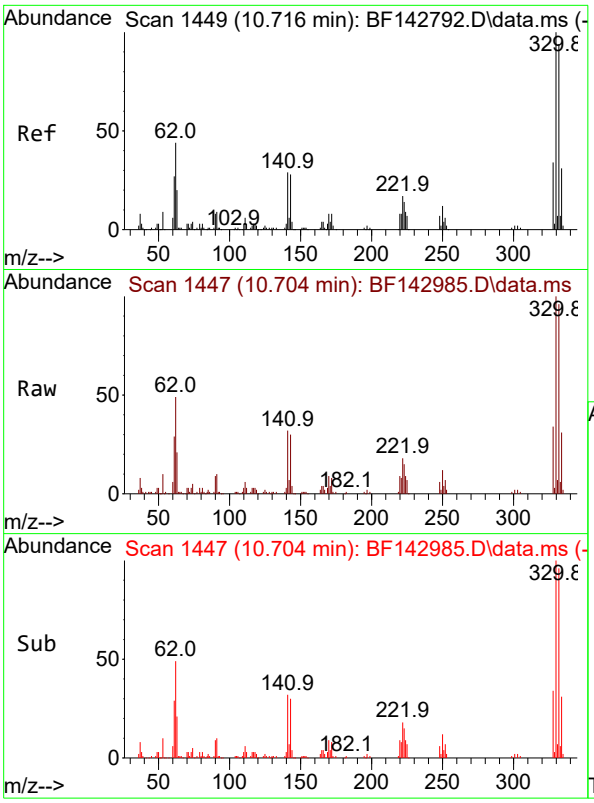


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

Tgt Ion:164 Resp: 86853

Ion	Ratio	Lower	Upper
164	100		
162	99.9	81.8	122.8
160	42.4	36.0	54.0



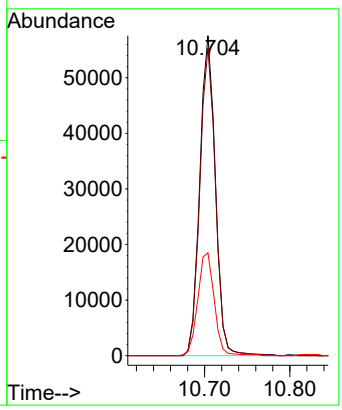


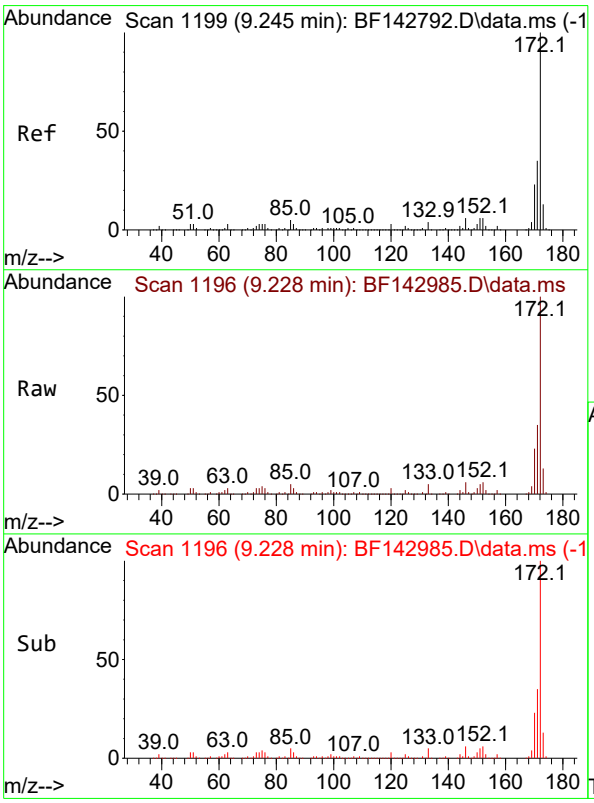
#42
2,4,6-Tribromophenol
Concen: 82.160 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

Instrument :
BNA_F
ClientSampleId :
TP-55

Tgt Ion:330 Resp: 73433

Ion	Ratio	Lower	Upper
330	100		
332	96.2	75.0	112.6
141	34.0	25.3	37.9

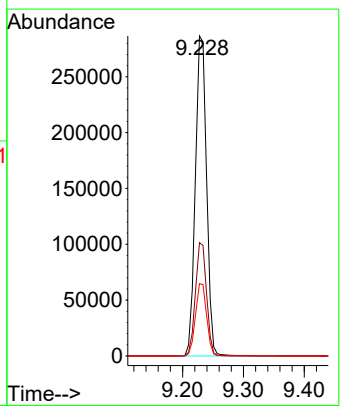


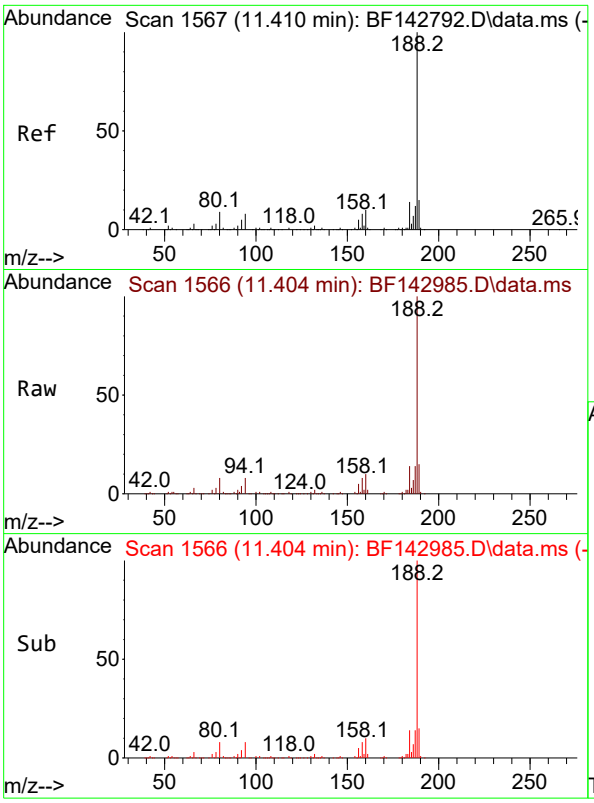


#45
2-Fluorobiphenyl
Concen: 55.556 ng
RT: 9.228 min Scan# 1196
Delta R.T. -0.017 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

Tgt Ion:172 Resp: 367305

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.4
170	22.6	18.5	27.7



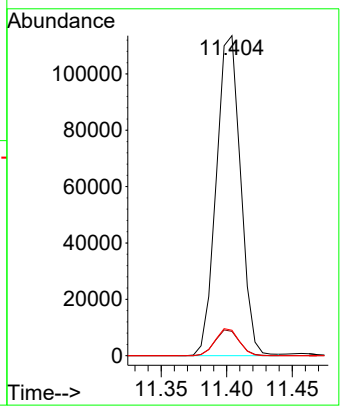


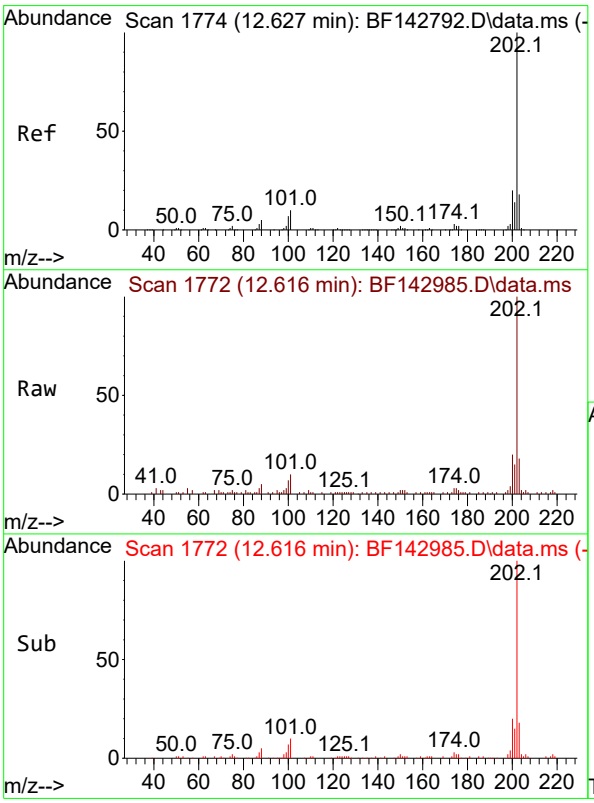
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

Instrument :
BNA_F
ClientSampleId :
TP-55

Tgt Ion:188 Resp: 146004

Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.7	10.1
80	8.0	6.9	10.3

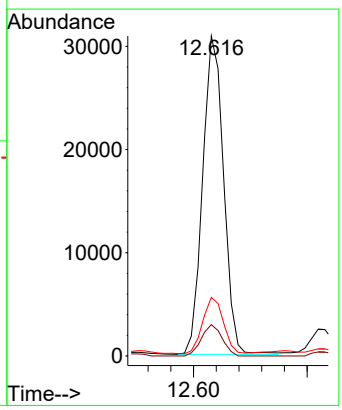


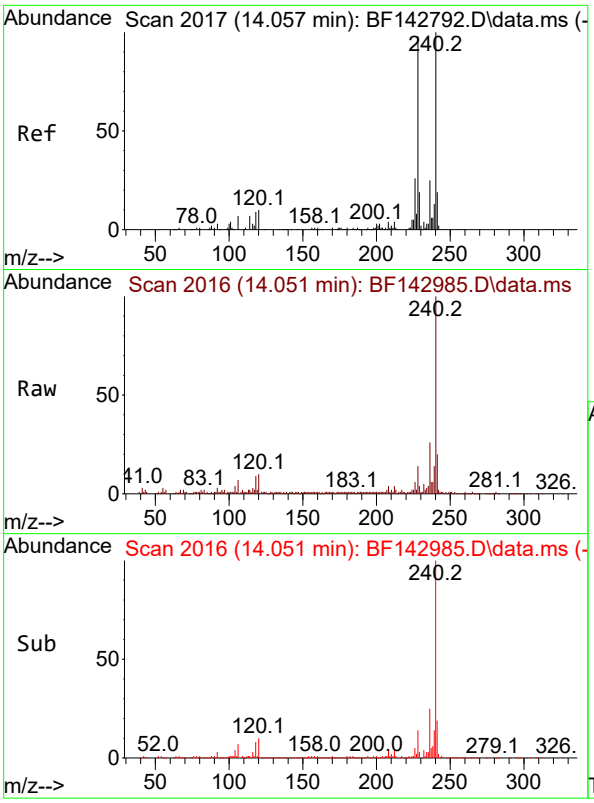


#75
Fluoranthene
Concen: 5.261 ng
RT: 12.616 min Scan# 1772
Delta R.T. -0.012 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

Tgt Ion:202 Resp: 39489

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	29.7
203	18.3	0.0	37.5



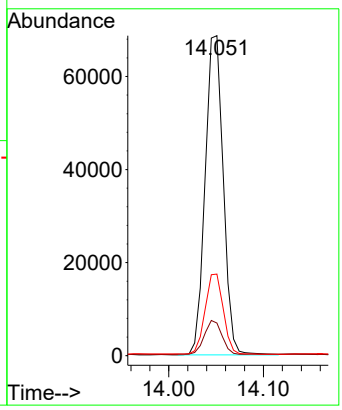


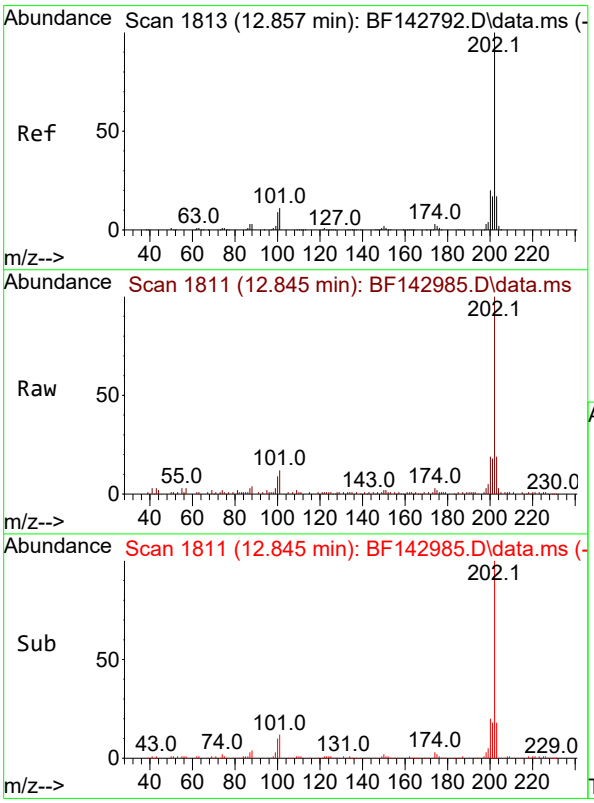
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

Instrument :
BNA_F
ClientSampleId :
TP-55

Tgt Ion:240 Resp: 91233

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.2	12.2
236	25.5	19.8	29.8

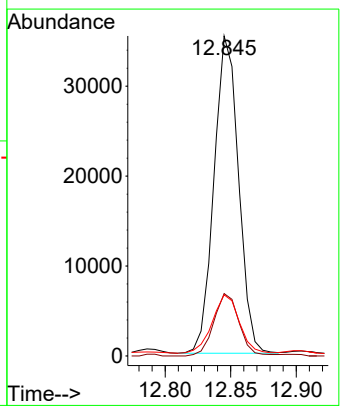


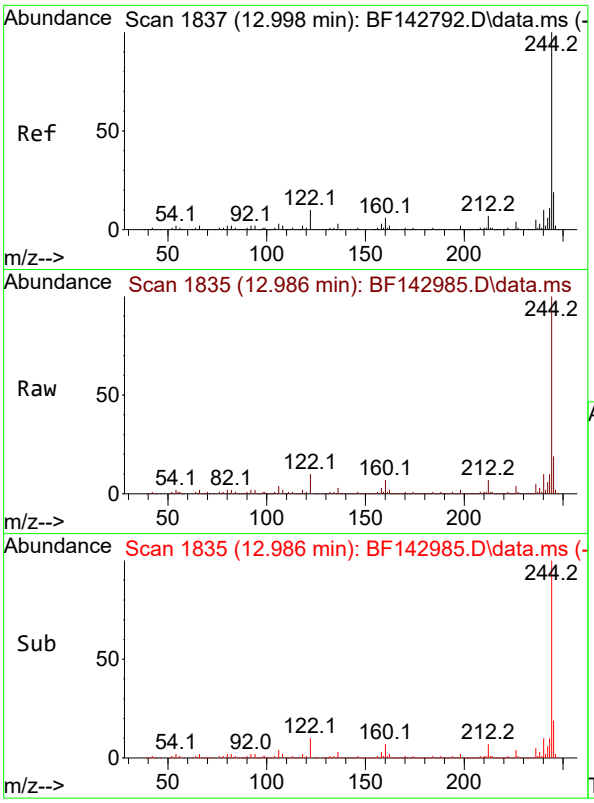


#78
Pyrene
Concen: 5.371 ng
RT: 12.845 min Scan# 1811
Delta R.T. -0.012 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

Tgt Ion:202 Resp: 45931

Ion	Ratio	Lower	Upper
202	100		
200	19.5	15.7	23.5
203	19.1	13.8	20.6



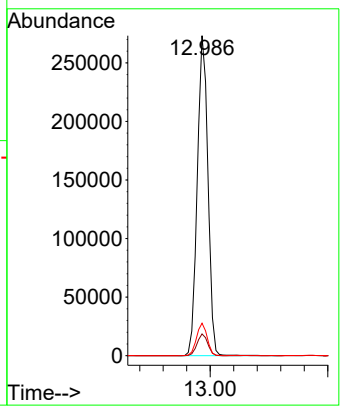


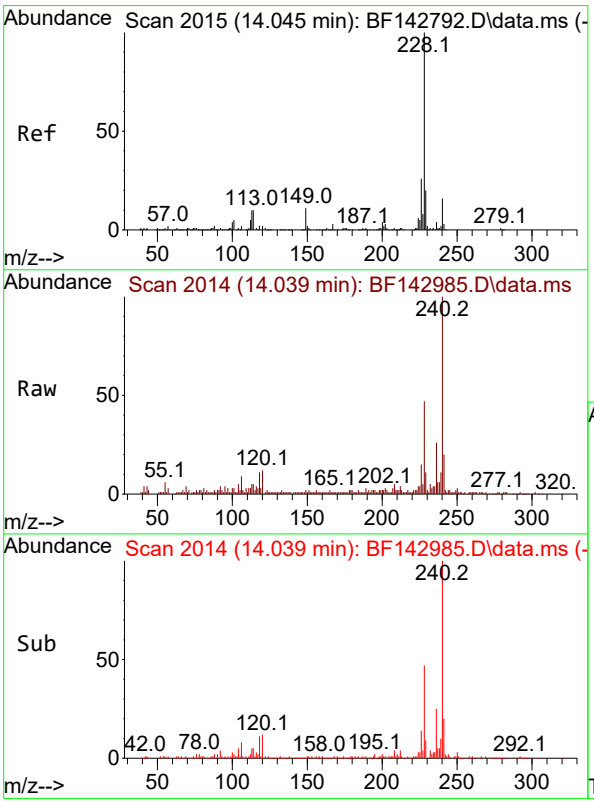
#79
Terphenyl-d14
Concen: 52.000 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

Instrument :
BNA_F
ClientSampleId :
TP-55

Tgt Ion:244 Resp: 343356

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	10.1	8.2	12.2

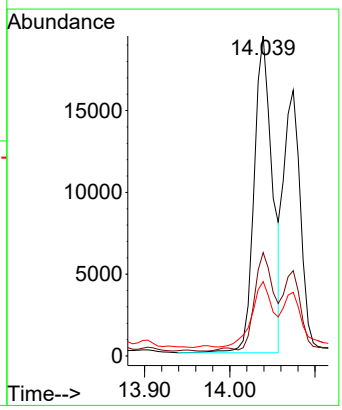


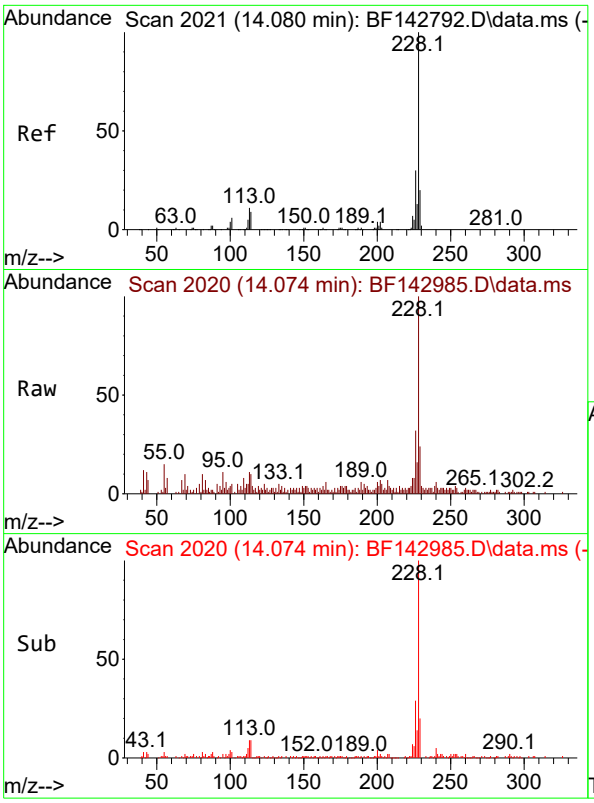


#81
Benzo(a)anthracene
Concen: 4.695 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

Tgt Ion:228 Resp: 28893

Ion	Ratio	Lower	Upper
228	100		
226	32.3	21.2	31.8#
229	23.3	15.6	23.4



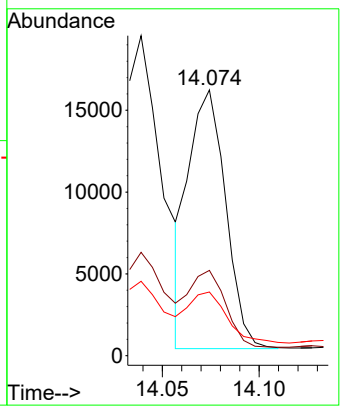


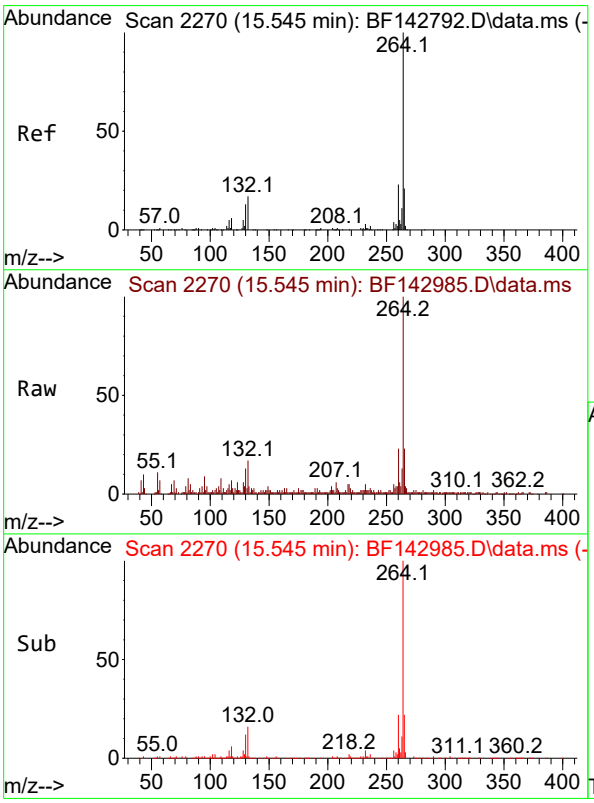
#83
Chrysene
Concen: 3.834 ng m
RT: 14.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

Instrument :
BNA_F
ClientSampleId :
TP-55

Tgt Ion:228 Resp: 21055

Ion	Ratio	Lower	Upper
228	100		
226	32.1	23.7	35.5
229	24.0	15.7	23.5#

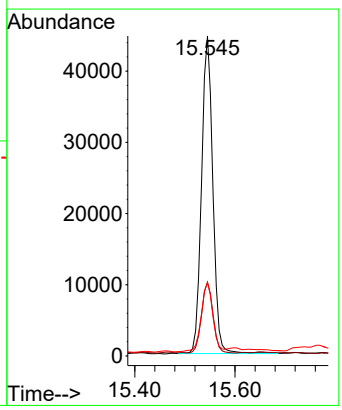


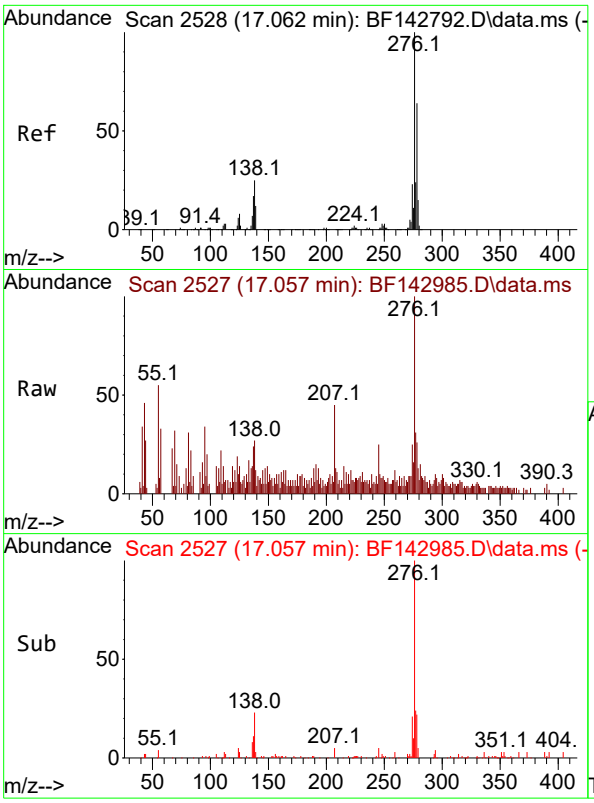


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

Tgt Ion:264 Resp: 69801

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.1	27.1
265	23.0	16.6	25.0



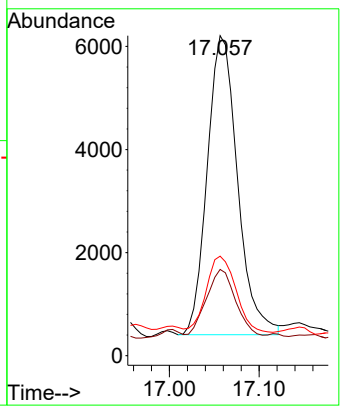


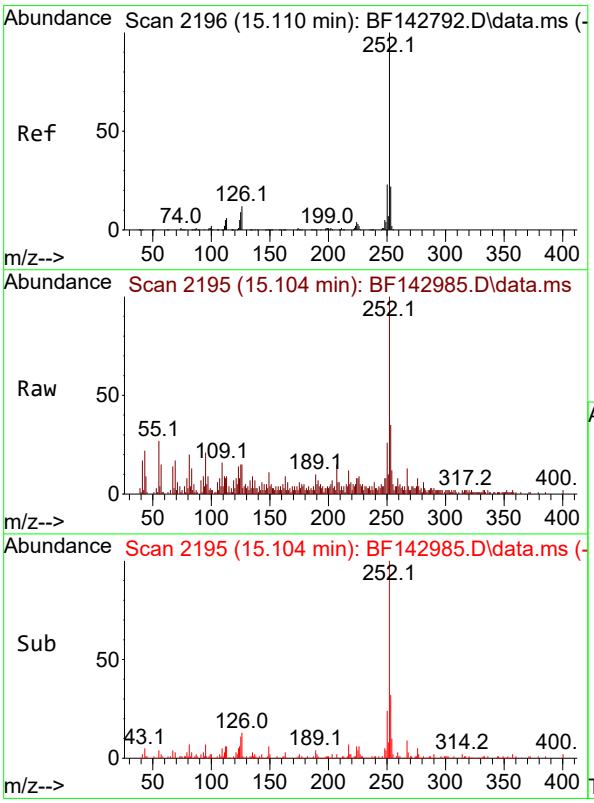
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.561 ng
RT: 17.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

Instrument :
BNA_F
ClientSampleId :
TP-55

Tgt Ion:276 Resp: 13616

Ion	Ratio	Lower	Upper
276	100		
138	21.2	20.2	30.4
277	26.4	19.8	29.6

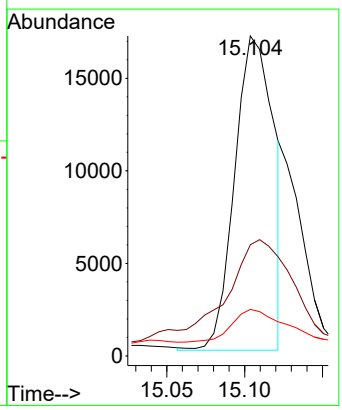


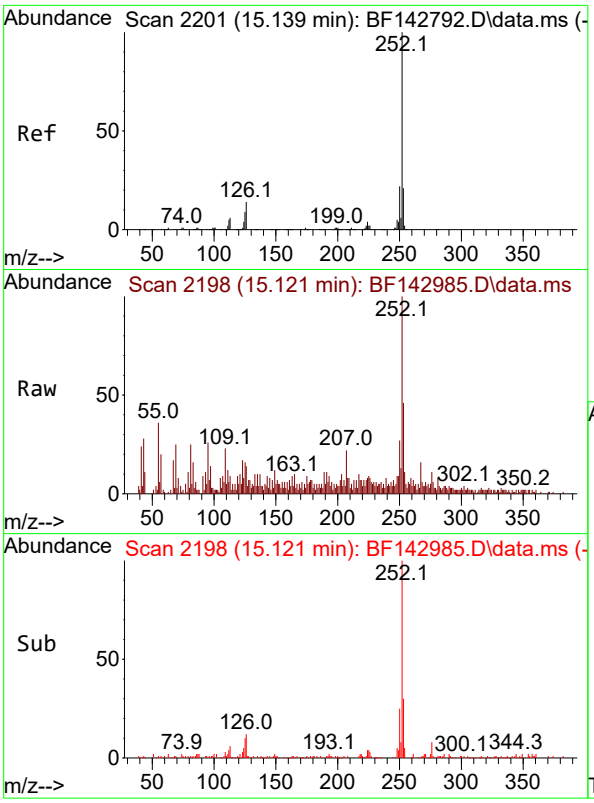


#88
Benzo(b)fluoranthene
Concen: 7.352 ng m
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

Tgt Ion:252 Resp: 29693

Ion	Ratio	Lower	Upper
252	100		
253	34.7	17.5	26.3#
125	14.5	7.4	11.0#



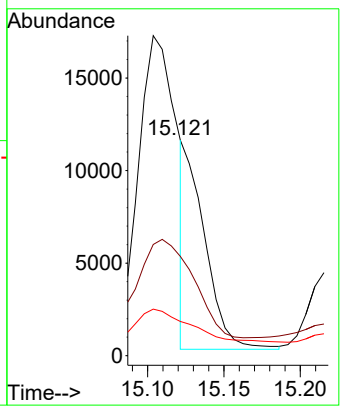


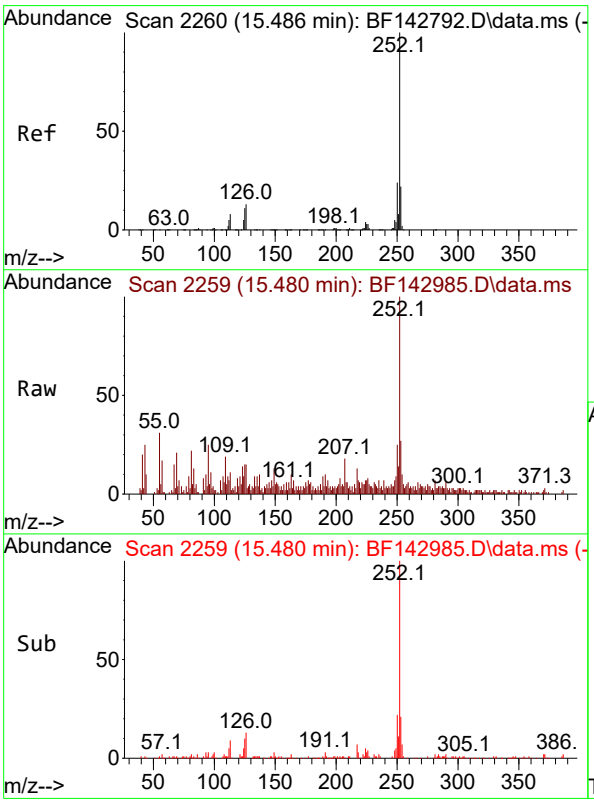
#89
Benzo(k)fluoranthene
Concen: 2.704 ng m
RT: 15.121 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

Instrument :
BNA_F
ClientSampleId :
TP-55

Tgt Ion:252 Resp: 10217

Ion	Ratio	Lower	Upper
252	100		
253	46.1	17.2	25.8#
125	15.8	7.4	11.2#

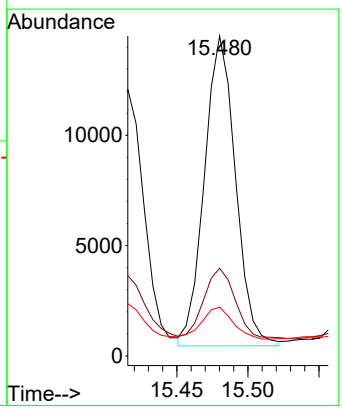


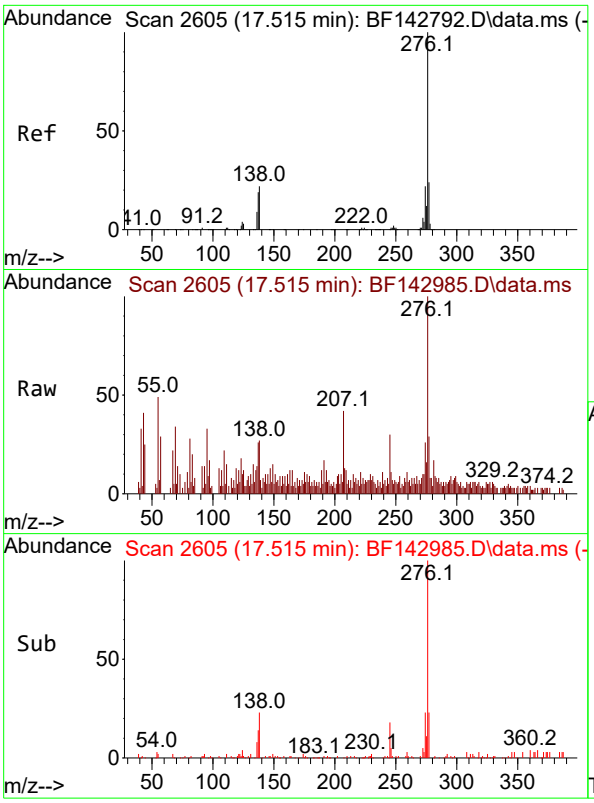


#90
Benzo(a)pyrene
Concen: 5.490 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

Tgt Ion:252 Resp: 21423

Ion	Ratio	Lower	Upper
252	100		
253	27.4	17.5	26.3#
125	15.2	8.6	12.8#



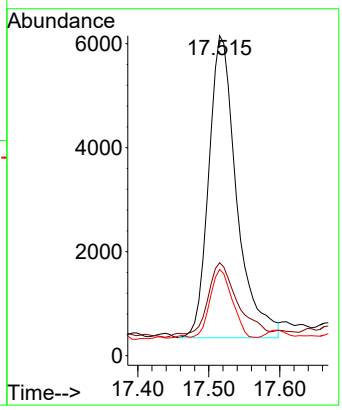


#92
Benzo(g,h,i)perylene
Concen: 3.672 ng
RT: 17.515 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

Instrument :
BNA_F
ClientSampleId :
TP-55

Tgt Ion:276 Resp: 15818

Ion	Ratio	Lower	Upper
276	100		
277	29.1	18.8	28.2#
138	26.9	17.6	26.4#



Sample Results: **BF142985.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142985.D
Acq On : 02 Jul 2025 22:22
Operator : RC/JU
Sample : Q2458-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-55

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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142985.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.075	485	490	503	rVB	56912	85405	8.40%	1.155%
2	5.487	554	560	581	rVB	645134	848669	83.51%	11.473%
3	6.498	727	732	749	rBV	617385	822896	80.97%	11.124%
4	6.869	790	795	801	rBV	241978	295480	29.07%	3.994%
5	7.434	885	891	902	rBV	426846	537078	52.85%	7.260%
6	8.157	1009	1014	1033	rVB	285355	359690	35.39%	4.862%
7	9.228	1191	1196	1201	rBV	808254	1016302	100.00%	13.739%
8	9.775	1285	1289	1293	rBV	12392	15478	1.52%	0.209%
9	9.910	1307	1312	1318	rVB	284037	351075	34.54%	4.746%
10	10.622	1428	1433	1441	rVV	76449	100563	9.89%	1.359%
11	10.704	1441	1447	1455	rBV	428129	558418	54.95%	7.549%
12	10.816	1461	1466	1474	rVB2	10927	20774	2.04%	0.281%
13	11.404	1560	1566	1574	rBV	273746	366131	36.03%	4.950%
14	11.922	1647	1654	1667	rBV3	62813	129849	12.78%	1.755%
15	12.016	1667	1670	1679	rVB6	11099	24647	2.43%	0.333%
16	12.092	1679	1683	1688	rBV5	7340	11289	1.11%	0.153%
17	12.457	1741	1745	1747	rBV	11004	15599	1.53%	0.211%
18	12.616	1768	1772	1777	rBV	69435	90968	8.95%	1.230%
19	12.710	1785	1788	1793	rBV	11652	17116	1.68%	0.231%
20	12.845	1805	1811	1818	rBV	84281	131358	12.93%	1.776%
21	12.986	1830	1835	1842	rVB	723342	919313	90.46%	12.428%
22	13.280	1882	1885	1888	rBV2	13501	16889	1.66%	0.228%
23	13.892	1986	1989	1999	rVB6	33886	68801	6.77%	0.930%
24	14.045	2010	2015	2027	rBV2	215939	376377	37.03%	5.088%
25	15.545	2266	2270	2278	rVB	134810	217150	21.37%	2.936%

Sum of corrected areas: 7397315

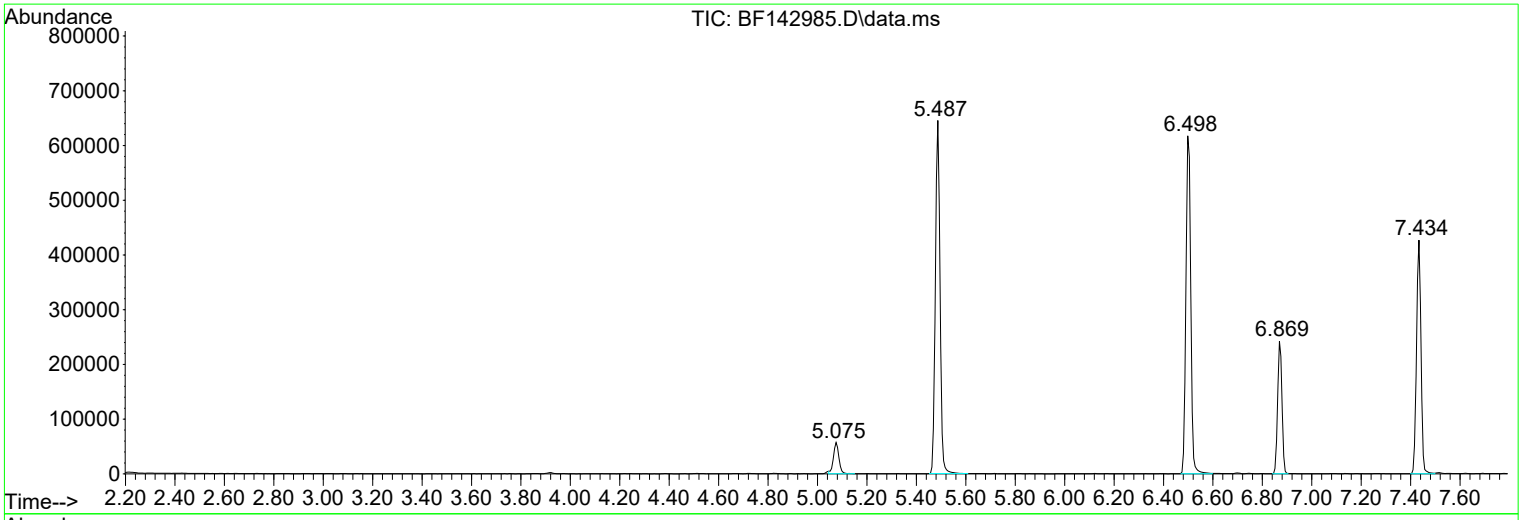
Sample Results: **BF142985.D**

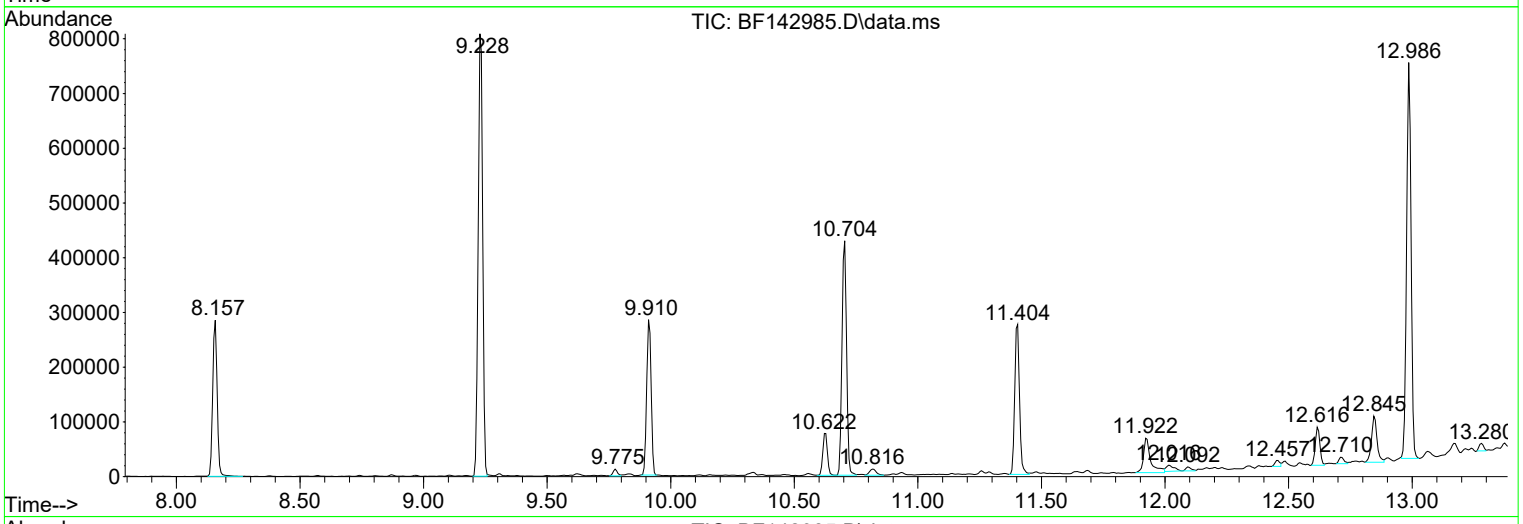
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142985.D
Acq On : 02 Jul 2025 22:22
Operator : RC/JU
Sample : Q2458-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

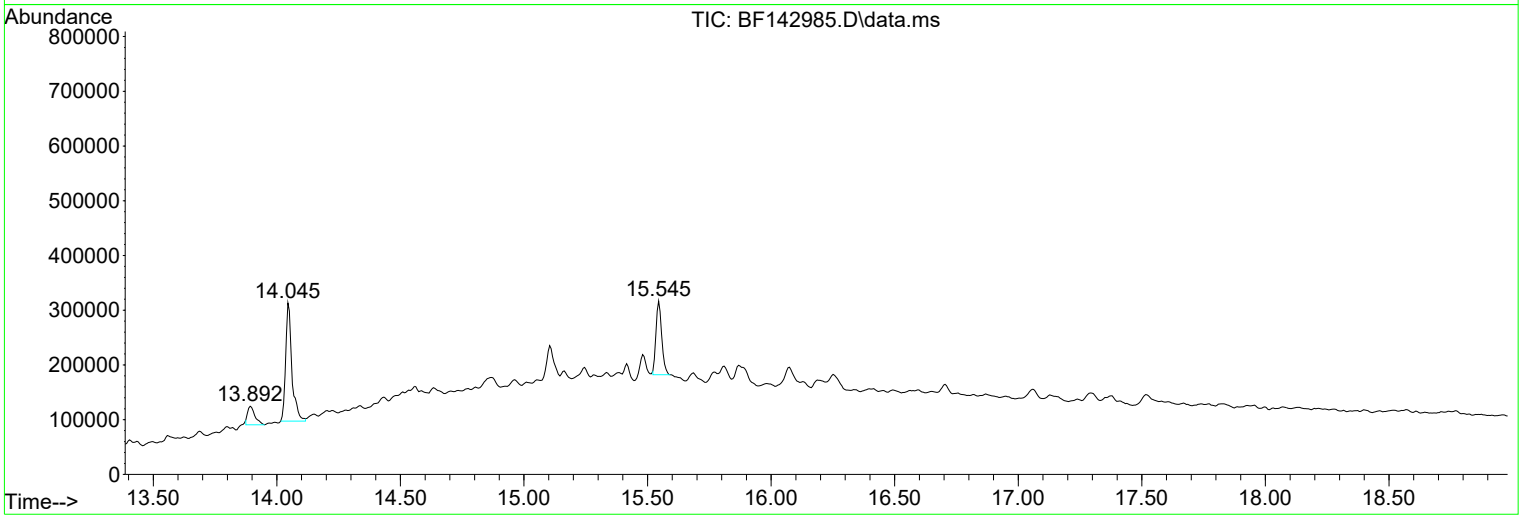
Instrument :
BNA_F
ClientSampleId :
TP-55

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Sample Results: **BF142985.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142985.D
Acq On : 02 Jul 2025 22:22
Operator : RC/JU
Sample : Q2458-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-55

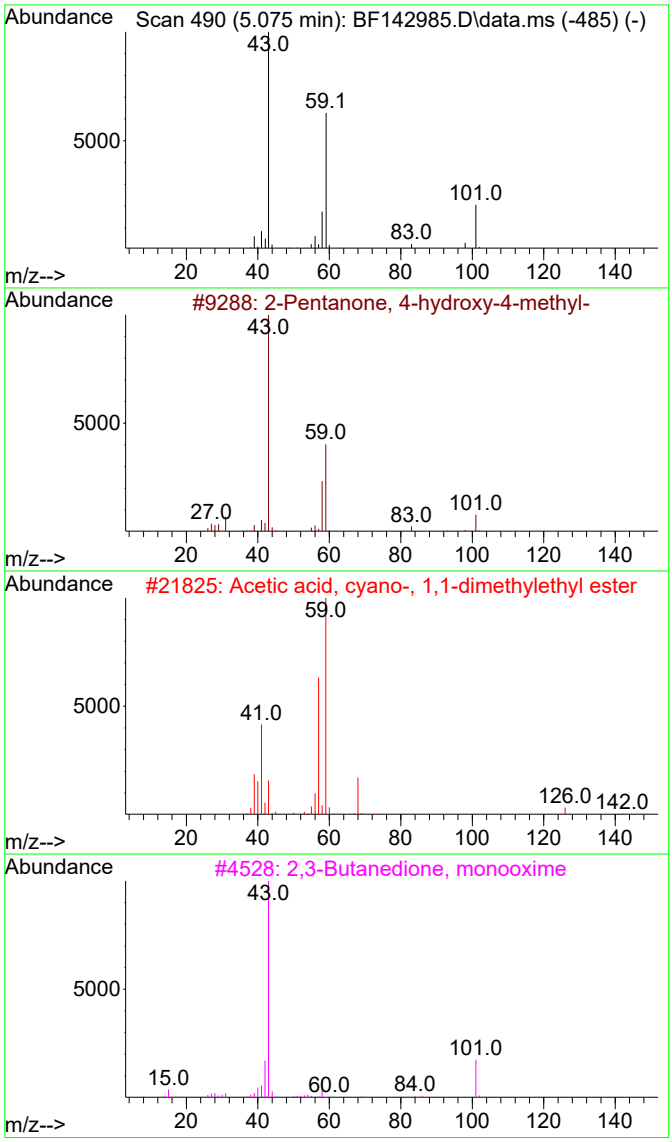
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

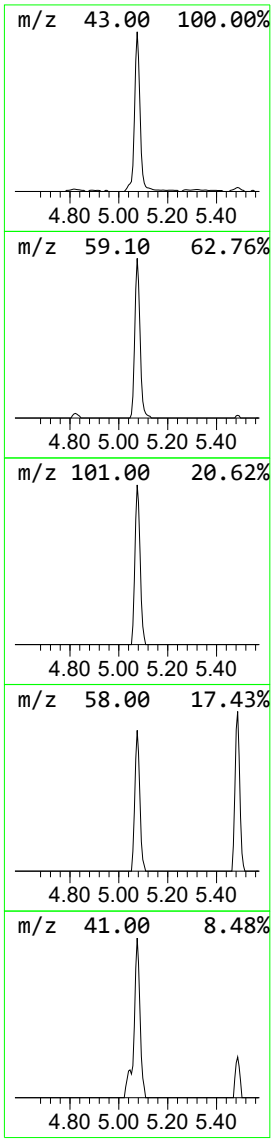
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.075	5.78 ng	85405	1,4-Dichlorobenzene-d4	6.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	12
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Guanidine	59	CH5N3	000113-00-8	9





Sample Results: **BF142985.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142985.D
Acq On : 02 Jul 2025 22:22
Operator : RC/JU
Sample : Q2458-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-55

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

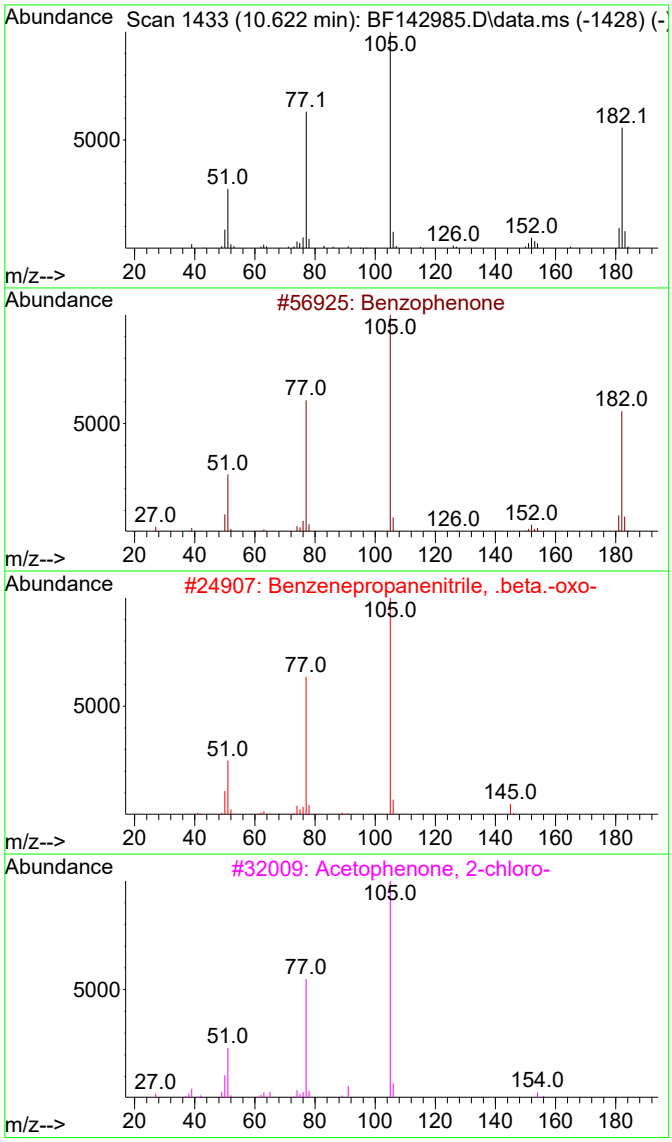
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

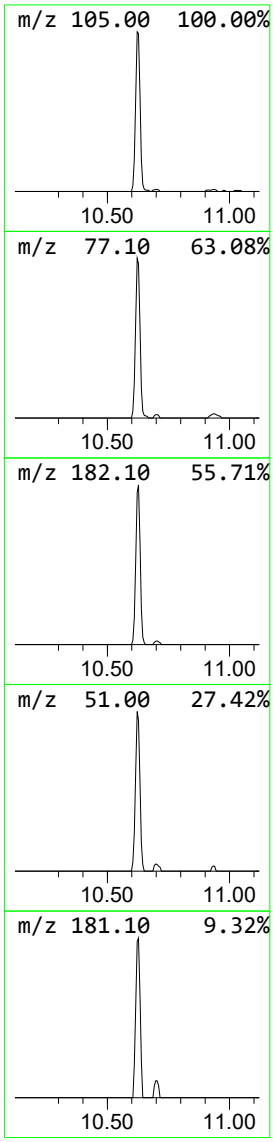
****

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.622	5.73 ng	100563	Acenaphthene-d10	9.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	49
3	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4	Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	49
5	2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142985.D
Acq On : 02 Jul 2025 22:22
Operator : RC/JU
Sample : Q2458-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-55

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

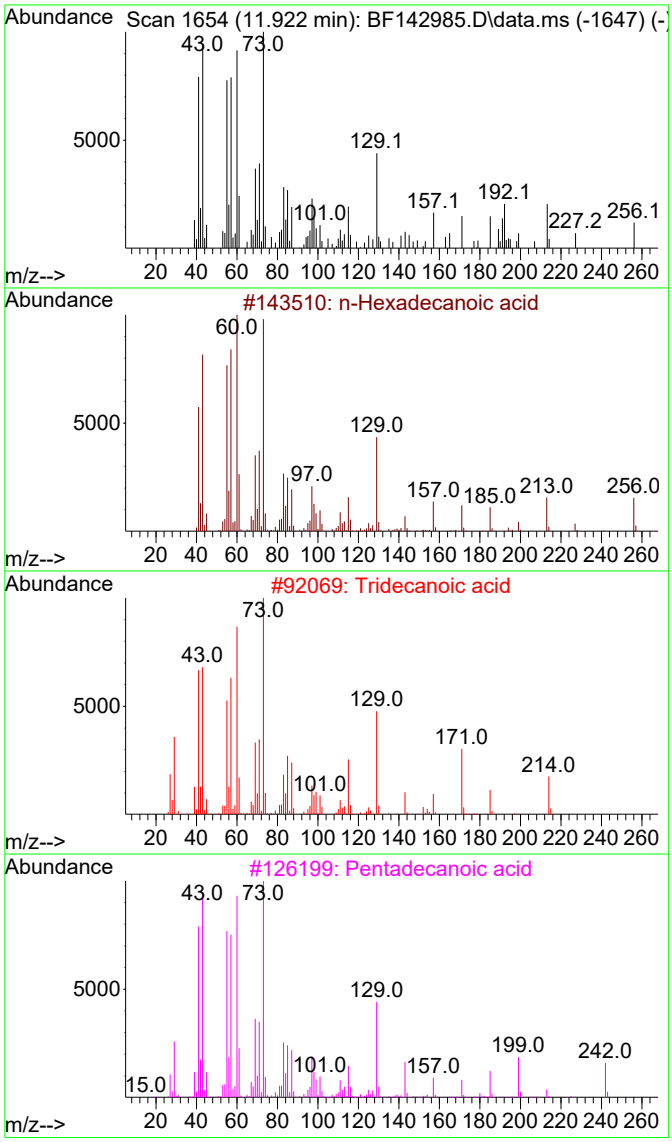
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

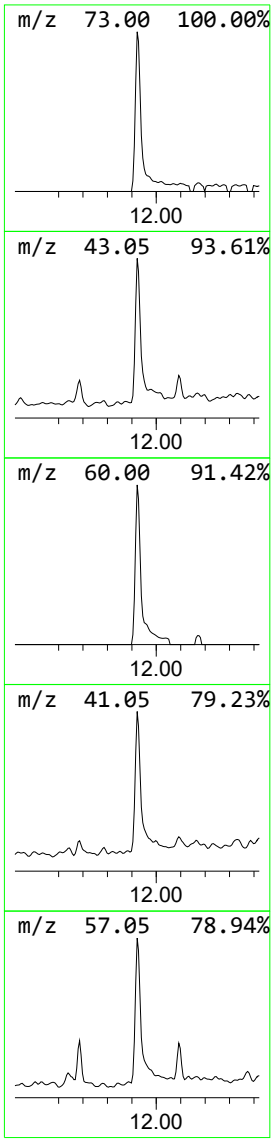
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	7.09 ng	129849	Phenanthrene-d10	11.404

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	95
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5	Oxalic acid, dodecyl propyl ester	300	C17H32O4	1000309-26-5	18





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142985.D
Acq On : 02 Jul 2025 22:22
Operator : RC/JU
Sample : Q2458-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-55

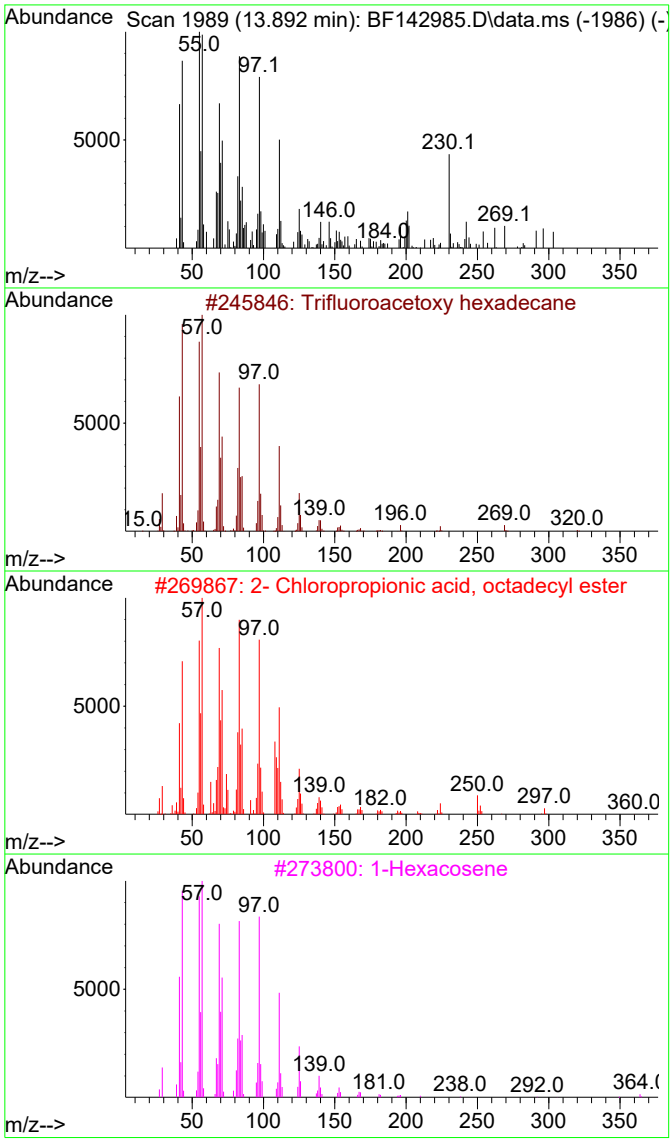
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

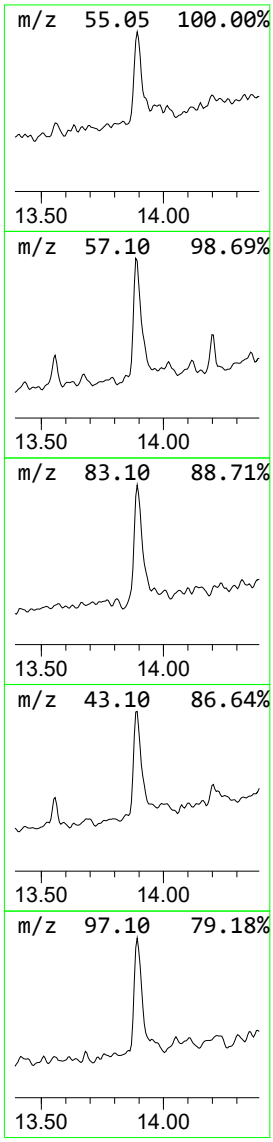
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Trifluoroacetoxy hexadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	3.66 ng	68801	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93
2	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	90
3	1-Hexacosene	364	C26H52	018835-33-1	90
4	1-Tricosene	322	C23H46	018835-32-0	90
5	Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	86





Sample Results: **BF142985.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142985.D
Acq On : 02 Jul 2025 22:22
Operator : RC/JU
Sample : Q2458-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-55

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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-...	5.075	5.8	ng	85405	1	6.869	295480	20.0
Benzophenone	10.622	5.7	ng	100563	3	9.910	351075	20.0
n-Hexadecanoic ...	11.922	7.1	ng	129849	4	11.404	366131	20.0
Trifluoroacetox...	13.892	3.7	ng	68801	5	14.051	376377	20.0

Raw Data: **BF142979.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-68	SDG No.:	Q2458
Lab Sample ID:	Q2458-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142979.D	1	07/01/25 09:30	07/02/25 19:21	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	360	ug/Kg
108-95-2	Phenol	23.9	U	23.9	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.3	U	26.3	180	ug/Kg
95-57-8	2-Chlorophenol	26.4	U	26.4	180	ug/Kg
95-48-7	2-Methylphenol	32.3	U	32.3	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40.6	U	40.6	180	ug/Kg
98-86-2	Acetophenone	31.9	U	31.9	180	ug/Kg
65794-96-9	3+4-Methylphenols	44.5	U	44.5	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.3	U	51.3	86.5	ug/Kg
67-72-1	Hexachloroethane	19.0	U	19.0	180	ug/Kg
98-95-3	Nitrobenzene	19.8	U	19.8	180	ug/Kg
78-59-1	Isophorone	35.5	U	35.5	180	ug/Kg
88-75-5	2-Nitrophenol	63.0	U	63.0	180	ug/Kg
105-67-9	2,4-Dimethylphenol	70.1	U	70.1	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	33.3	U	33.3	180	ug/Kg
120-83-2	2,4-Dichlorophenol	30.6	U	30.6	180	ug/Kg
91-20-3	Naphthalene	24.6	U	24.6	180	ug/Kg
106-47-8	4-Chloroaniline	38.3	U	38.3	180	ug/Kg
87-68-3	Hexachlorobutadiene	27.4	U	27.4	180	ug/Kg
105-60-2	Caprolactam	56.4	U	56.4	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.0	U	31.0	180	ug/Kg
91-57-6	2-Methylnaphthalene	27.7	U	27.7	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.4	U	21.4	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	31.5	U	31.5	180	ug/Kg
92-52-4	1,1-Biphenyl	23.6	U	23.6	180	ug/Kg
91-58-7	2-Chloronaphthalene	24.3	U	24.3	180	ug/Kg
88-74-4	2-Nitroaniline	52.0	U	52.0	180	ug/Kg
131-11-3	Dimethylphthalate	29.3	U	29.3	180	ug/Kg

Raw Data: **BF142979.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-68	SDG No.:	Q2458
Lab Sample ID:	Q2458-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142979.D	1	07/01/25 09:30	07/02/25 19:21	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.3	U	31.3	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	36.3	U	36.3	180	ug/Kg
99-09-2	3-Nitroaniline	49.8	U	49.8	180	ug/Kg
83-32-9	Acenaphthene	23.0	U	23.0	180	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	360	ug/Kg
132-64-9	Dibenzofuran	24.6	U	24.6	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	54.2	U	54.2	180	ug/Kg
84-66-2	Diethylphthalate	30.6	U	30.6	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	28.9	U	28.9	180	ug/Kg
86-73-7	Fluorene	27.4	U	27.4	180	ug/Kg
100-01-6	4-Nitroaniline	69.4	U	69.4	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	35.6	U	35.6	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.1	U	30.1	180	ug/Kg
118-74-1	Hexachlorobenzene	27.4	U	27.4	180	ug/Kg
1912-24-9	Atrazine	36.8	U	36.8	180	ug/Kg
87-86-5	Pentachlorophenol	55.5	U	55.5	360	ug/Kg
85-01-8	Phenanthrene	210		22.6	180	ug/Kg
120-12-7	Anthracene	36.0	U	36.0	180	ug/Kg
86-74-8	Carbazole	33.7	U	33.7	180	ug/Kg
84-74-2	Di-n-butylphthalate	51.8	U	51.8	180	ug/Kg
206-44-0	Fluoranthene	540		32.4	180	ug/Kg
129-00-0	Pyrene	390		38.9	180	ug/Kg
85-68-7	Butylbenzylphthalate	77.2	UQ	77.2	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	39.7	U	39.7	360	ug/Kg
56-55-3	Benzo(a)anthracene	340		24.9	180	ug/Kg
218-01-9	Chrysene	290		21.5	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	64.0	U	64.0	180	ug/Kg
117-84-0	Di-n-octyl phthalate	93.9	U	93.9	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	440		20.6	180	ug/Kg

Raw Data: **BF142979.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-68	SDG No.:	Q2458
Lab Sample ID:	Q2458-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142979.D	1	07/01/25 09:30	07/02/25 19:21	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	24.2	U	24.2	180	ug/Kg
50-32-8	Benzo(a)pyrene	270		31.9	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	74.0	J	31.5	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29.6	U	29.6	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	95.2	J	27.8	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.7	U	27.7	180	ug/Kg
123-91-1	1,4-Dioxane	48.9	U	48.9	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	29.6	U	29.6	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	77.3		18 - 112	52%	SPK: 150
13127-88-3	Phenol-d6	75.8		15 - 107	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.9		18 - 107	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.9		20 - 109	47%	SPK: 100
118-79-6	2,4,6-Tribromophenol	67.4		10 - 116	45%	SPK: 150
1718-51-0	Terphenyl-d14	31.9		10 - 105	32%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	60600	6.869			
1146-65-2	Naphthalene-d8	232000	8.157			
15067-26-2	Acenaphthene-d10	116000	9.91			
1517-22-2	Phenanthrene-d10	162000	11.404			
1719-03-5	Chrysene-d12	127000	14.051			
1520-96-3	Perylene-d12	112000	15.539			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	AB		5.08	ug/Kg
000119-61-9	Benzophenone	170	J		10.6	ug/Kg
000610-48-0	Anthracene, 1-methyl-	200	J		11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	140	J		12.0	ug/Kg
002381-21-7	Pyrene, 1-methyl-	76.4	J		13.2	ug/Kg
000479-79-8	11H-Benzo[a]fluoren-11-one	82.2	J		13.9	ug/Kg
000192-97-2	Benzo[e]pyrene	190	J		15.4	ug/Kg

Raw Data: **BF142979.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-68	SDG No.:	Q2458
Lab Sample ID:	Q2458-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142979.D	1	07/01/25 09:30	07/02/25 19:21	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown17.356	88.0	J		17.4	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\BF070225\
Data File : BF142979.D
Acq On : 02 Jul 2025 19:21
Operator : RC/JU
Sample : Q2458-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-68

Quant Time: Jul 03 01:08:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

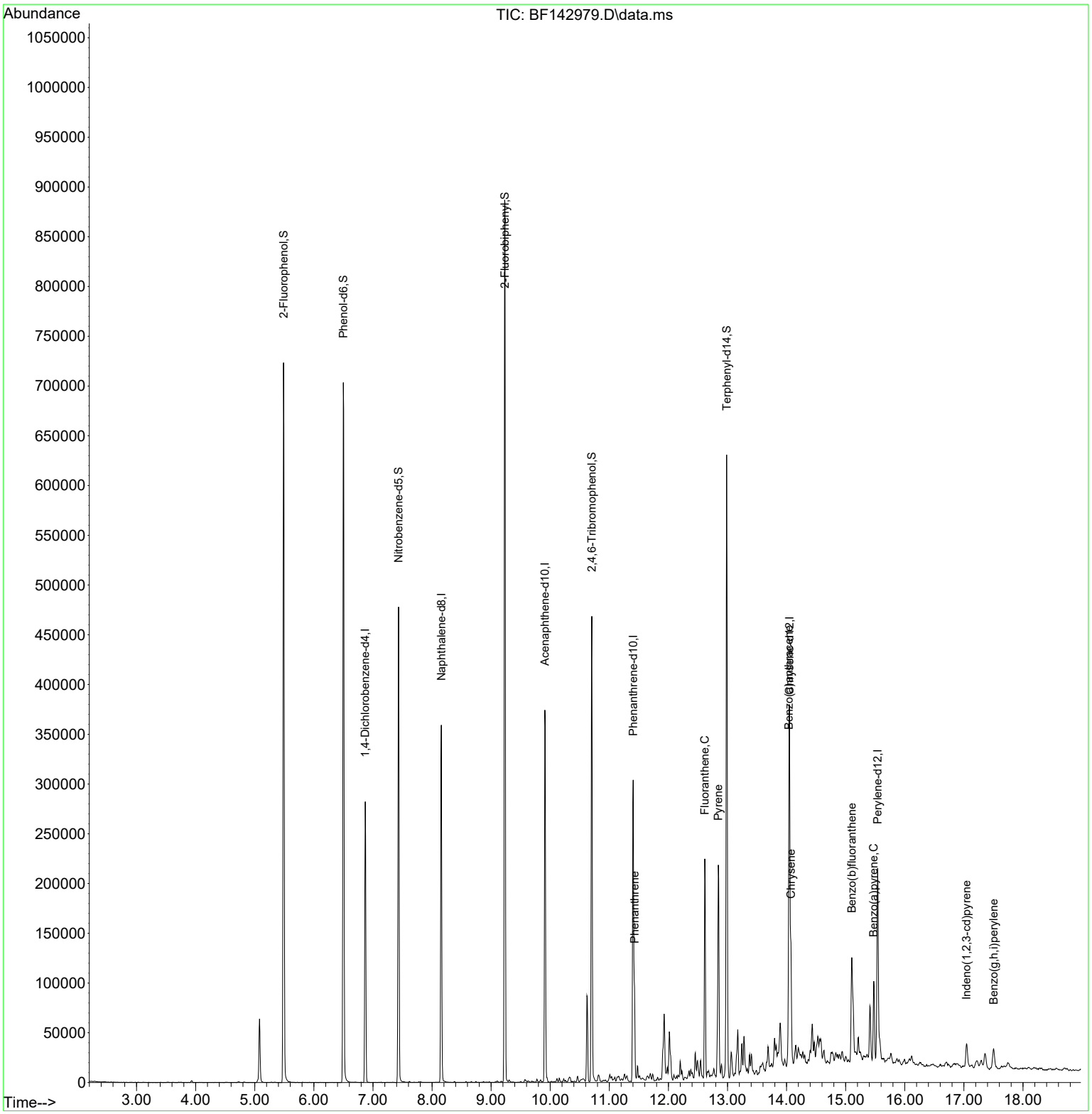
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.869	152	60603	20.000	ng		-0.01
21) Naphthalene-d8	8.157	136	232159	20.000	ng		-0.01
39) Acenaphthene-d10	9.910	164	115889	20.000	ng		-0.01
64) Phenanthrene-d10	11.404	188	161669	20.000	ng		0.00
76) Chrysene-d12	14.051	240	127172	20.000	ng		0.00
86) Perylene-d12	15.539	264	112443	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	281320	77.286	ng		0.00
7) Phenol-d6	6.498	99	325677	75.836	ng		-0.01
23) Nitrobenzene-d5	7.434	82	198638	46.931	ng		-0.01
42) 2,4,6-Tribromophenol	10.704	330	80339	67.366	ng		-0.01
45) 2-Fluorobiphenyl	9.233	172	413980	46.927	ng		-0.01
79) Terphenyl-d14	12.986	244	293990	31.942	ng		-0.01
Target Compounds							Qvalue
71) Phenanthrene	11.427	178	49924	5.701	ng		99
75) Fluoranthene	12.616	202	124077	14.929	ng		100
78) Pyrene	12.845	202	128066	10.743	ng		98
81) Benzo(a)anthracene	14.039	228	81667	9.519	ng		98
83) Chrysene	14.074	228	61225	7.998	ng		97
87) Indeno(1,2,3-cd)pyrene	17.045	276	17586	2.053	ng	#	92
88) Benzo(b)fluoranthene	15.104	252	79050m	12.149	ng		
90) Benzo(a)pyrene	15.474	252	47008	7.479	ng		98
92) Benzo(g,h,i)perylene	17.503	276	18329	2.641	ng		97

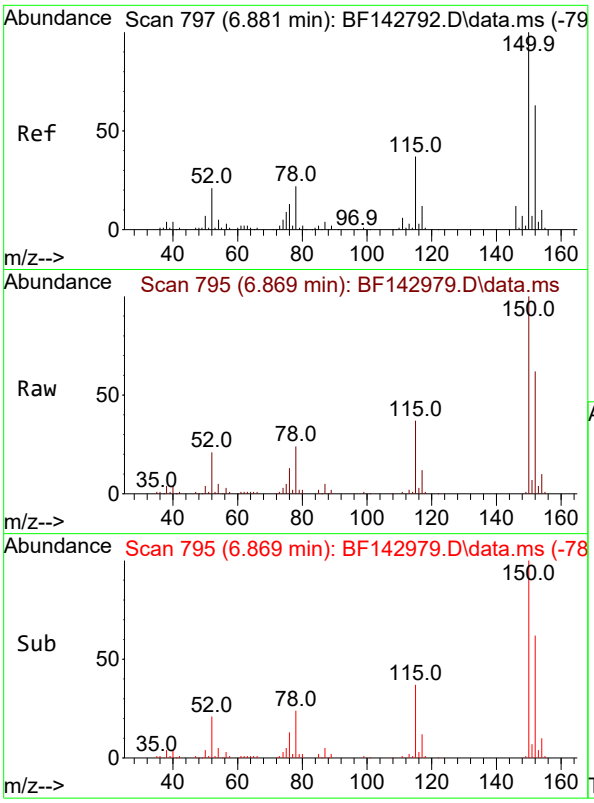
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142979.D
Acq On : 02 Jul 2025 19:21
Operator : RC/JU
Sample : Q2458-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-68

Quant Time: Jul 03 01:08:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



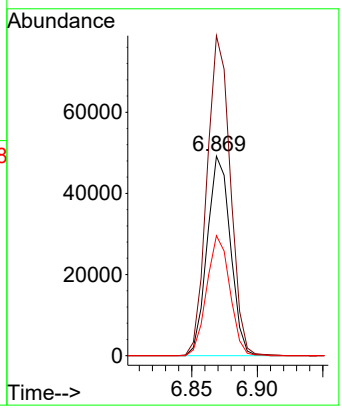


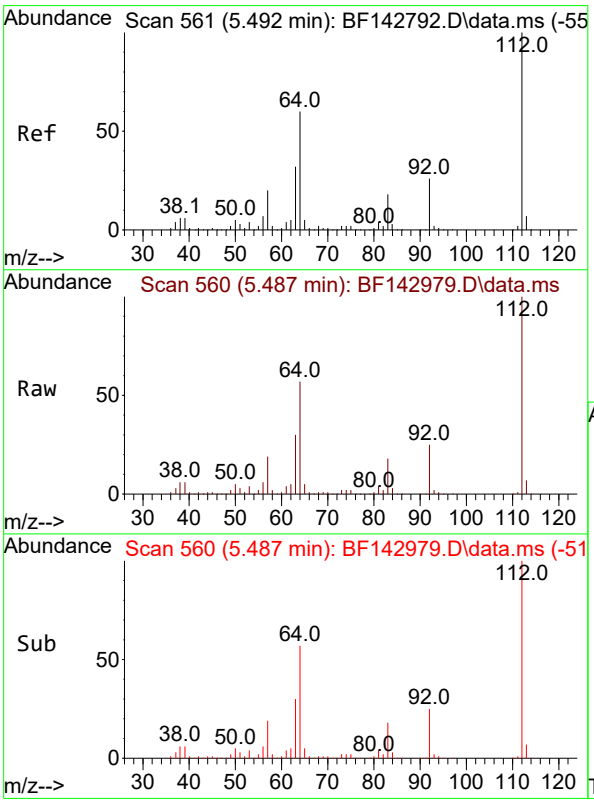
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

Instrument :
BNA_F
ClientSampleId :
TP-68

Tgt Ion:152 Resp: 60603

Ion	Ratio	Lower	Upper
152	100		
150	160.3	127.2	190.8
115	60.1	46.6	69.8

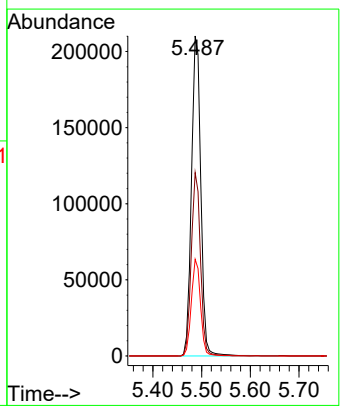


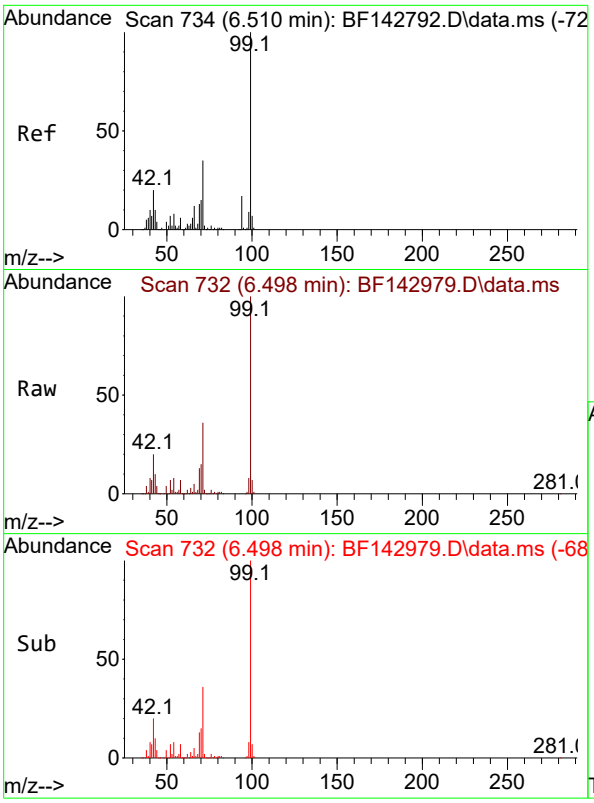


#5
2-Fluorophenol
Concen: 77.286 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

Tgt Ion:112 Resp: 281320

Ion	Ratio	Lower	Upper
112	100		
64	57.3	48.2	72.2
63	30.2	25.7	38.5



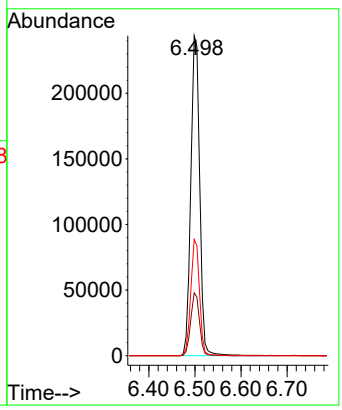


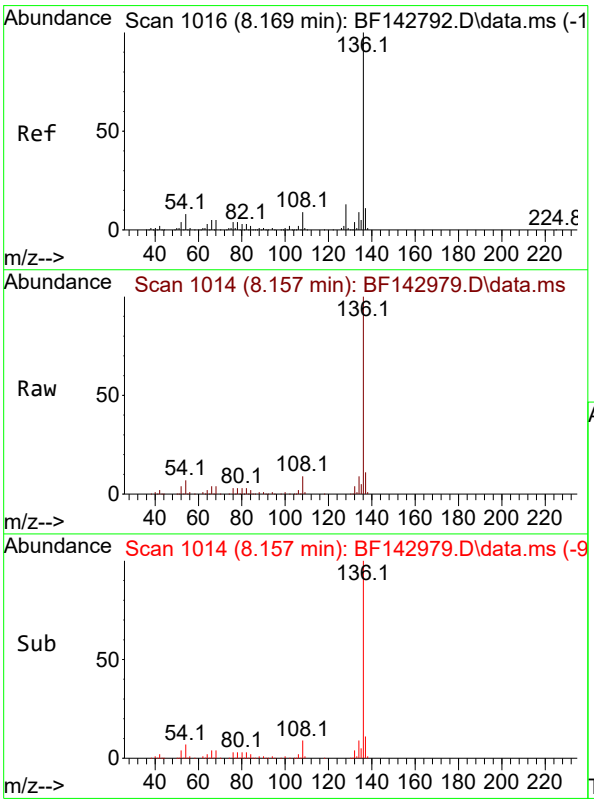
#7
Phenol-d6
Concen: 75.836 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

Instrument :
BNA_F
ClientSampleId :
TP-68

Tgt Ion: 99 Resp: 325677

Ion	Ratio	Lower	Upper
99	100		
42	19.7	15.9	23.9
71	36.3	27.8	41.8

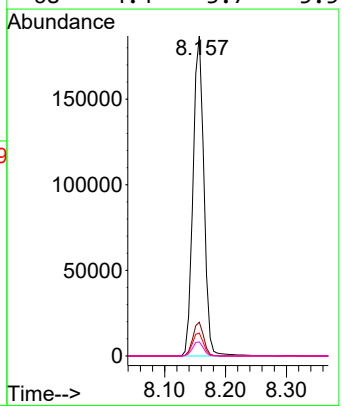


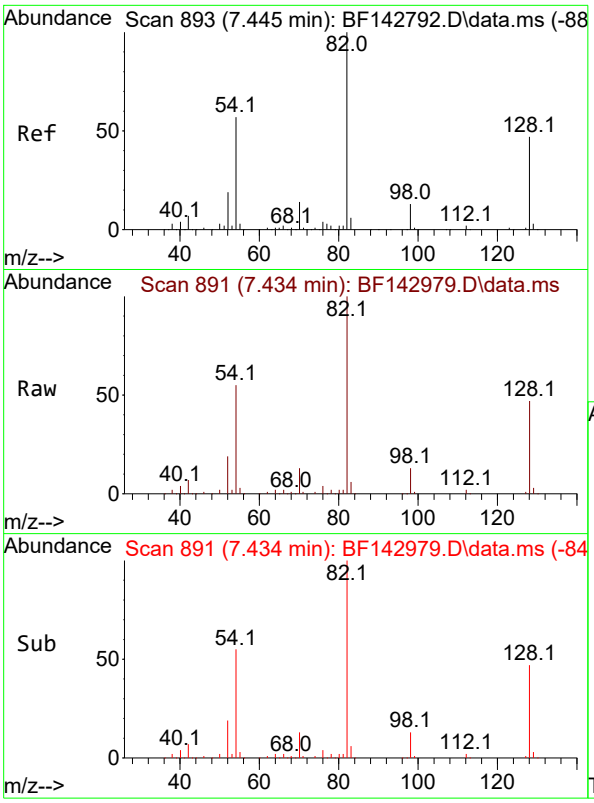


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

Tgt Ion:136 Resp: 232159

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	7.1	6.3	9.5
68	4.4	3.7	5.5



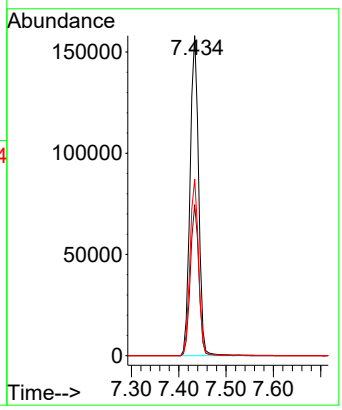


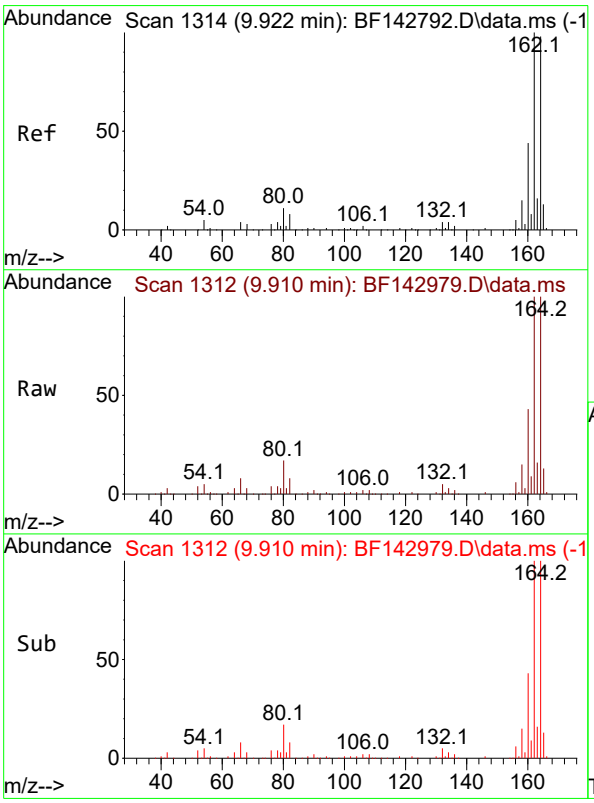
#23
Nitrobenzene-d5
Concen: 46.931 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

Instrument :
BNA_F
ClientSampleId :
TP-68

Tgt Ion: 82 Resp: 198638

Ion	Ratio	Lower	Upper
82	100		
128	47.2	37.7	56.5
54	55.2	45.7	68.5

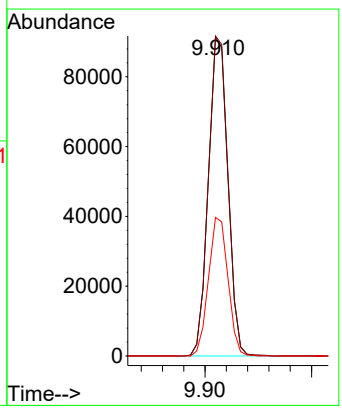


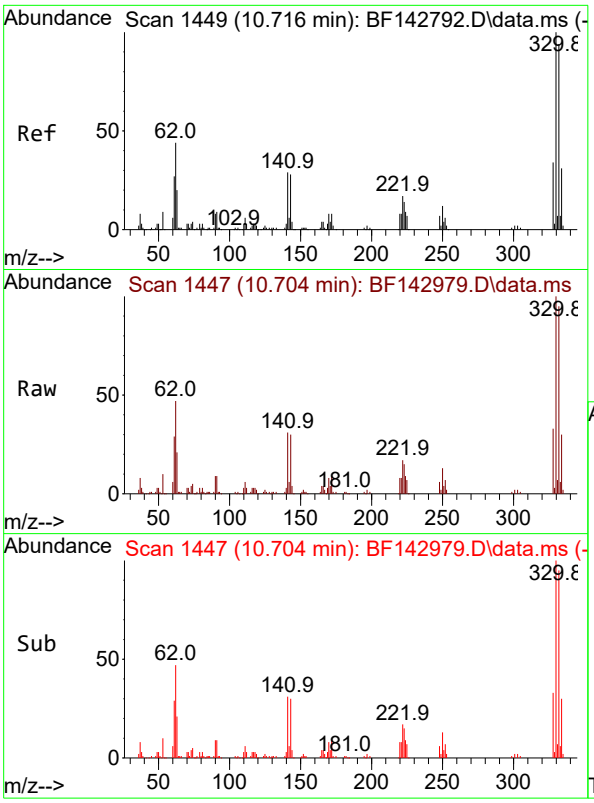


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

Tgt Ion:164 Resp: 115889

Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.8	122.8
160	43.4	36.0	54.0



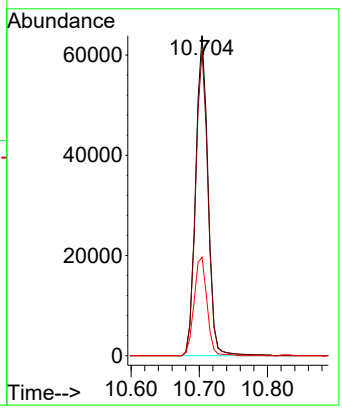


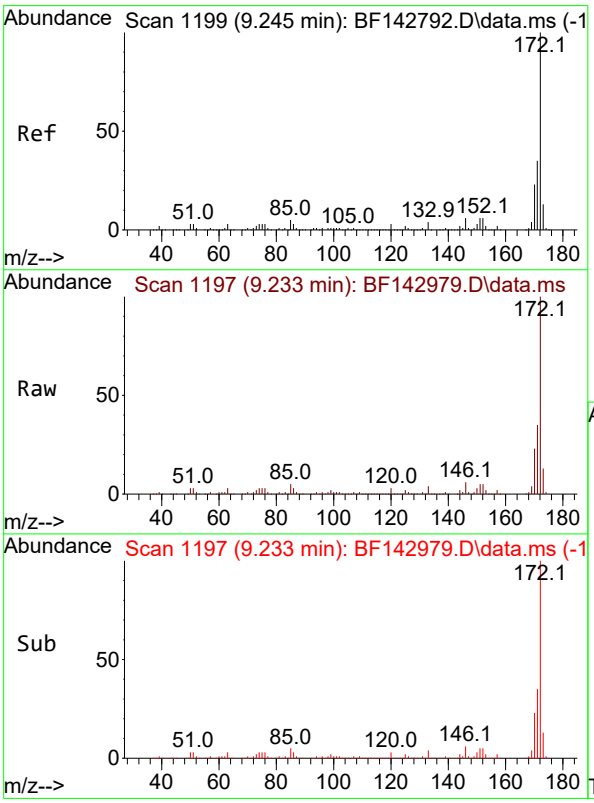
#42
2,4,6-Tribromophenol
Concen: 67.366 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

Instrument :
BNA_F
ClientSampleId :
TP-68

Tgt Ion:330 Resp: 80339

Ion	Ratio	Lower	Upper
330	100		
332	95.3	75.0	112.6
141	32.1	25.3	37.9

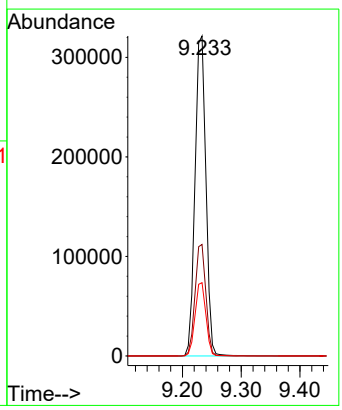


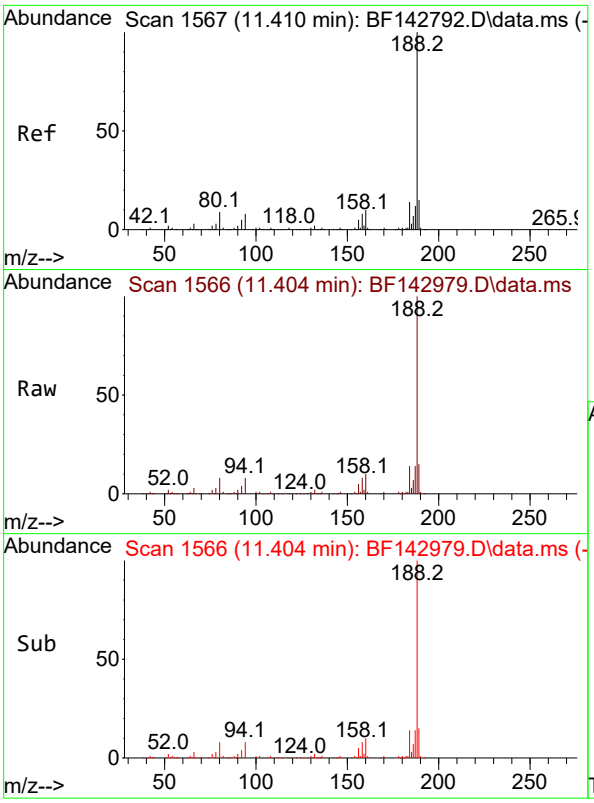


#45
2-Fluorobiphenyl
Concen: 46.927 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

Tgt Ion:172 Resp: 413980

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.2	42.4
170	22.9	18.5	27.7



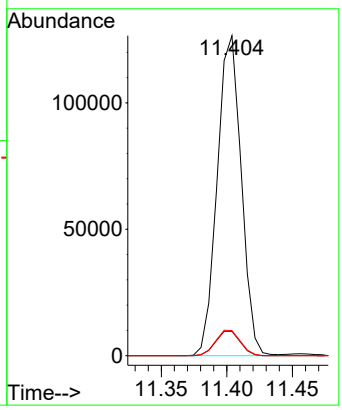


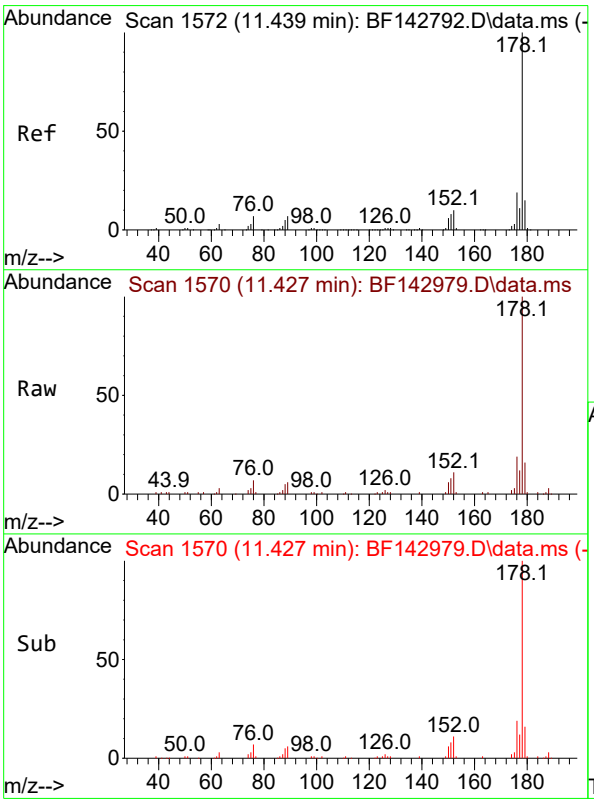
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

Instrument :
BNA_F
ClientSampleId :
TP-68

Tgt Ion:188 Resp: 161669

Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.7	10.1
80	7.9	6.9	10.3

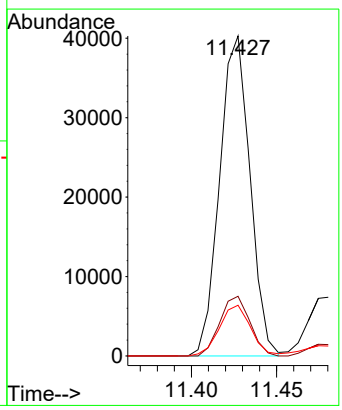


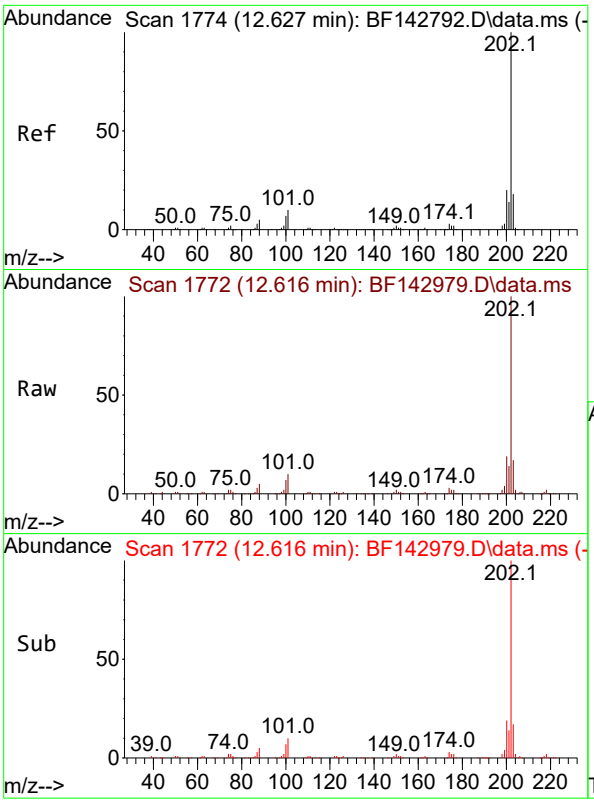


#71
Phenanthrene
Concen: 5.701 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

Tgt Ion:178 Resp: 49924

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.8	12.0	18.0



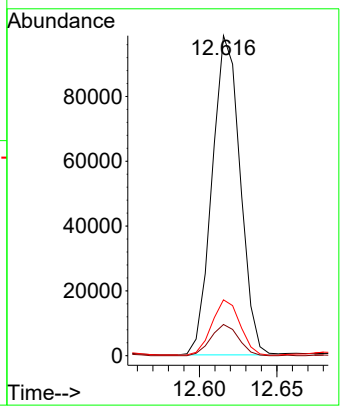


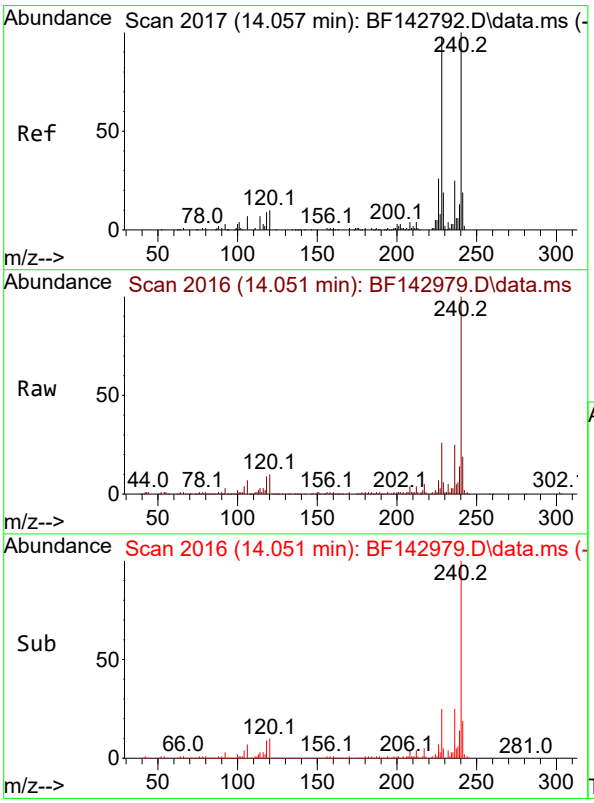
#75
Fluoranthene
Concen: 14.929 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

Instrument :
BNA_F
ClientSampleId :
TP-68

Tgt Ion:202 Resp: 124077

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	29.7
203	17.5	0.0	37.5

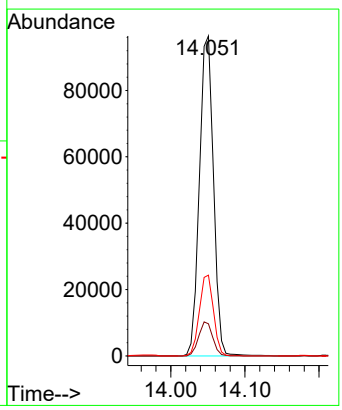


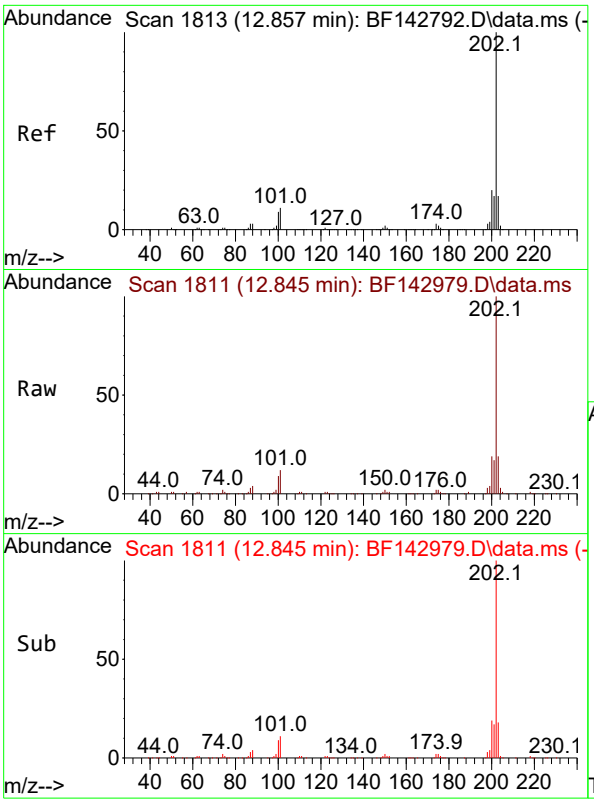


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

Tgt Ion:240 Resp: 127172

Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.2	12.2
236	25.3	19.8	29.8



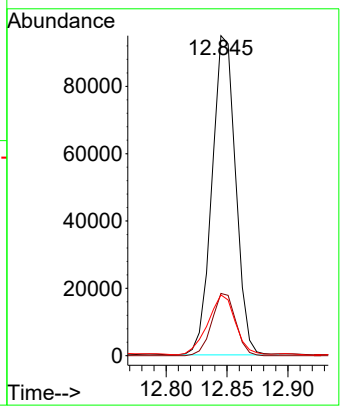


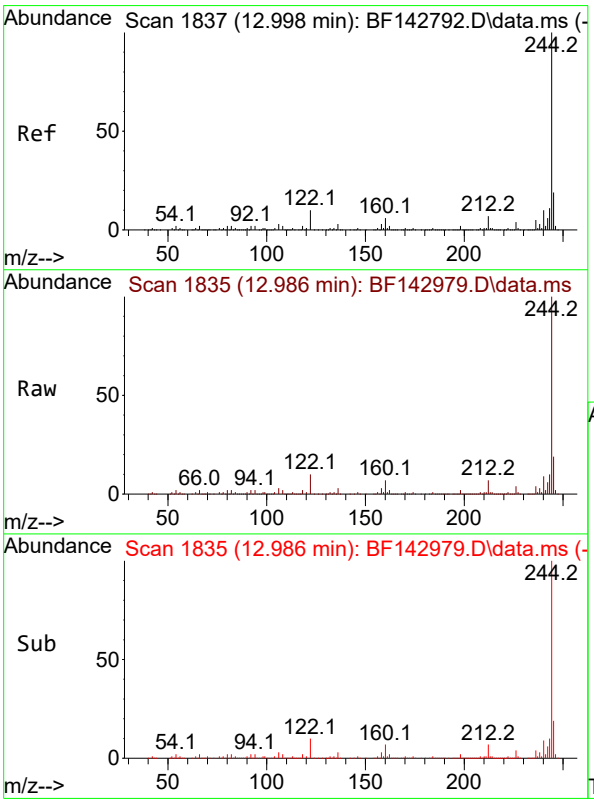
#78
Pyrene
Concen: 10.743 ng
RT: 12.845 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

Instrument :
BNA_F
ClientSampleId :
TP-68

Tgt Ion:202 Resp: 128066

Ion	Ratio	Lower	Upper
202	100		
200	19.5	15.7	23.5
203	19.0	13.8	20.6

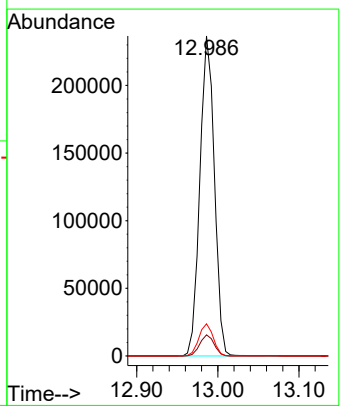


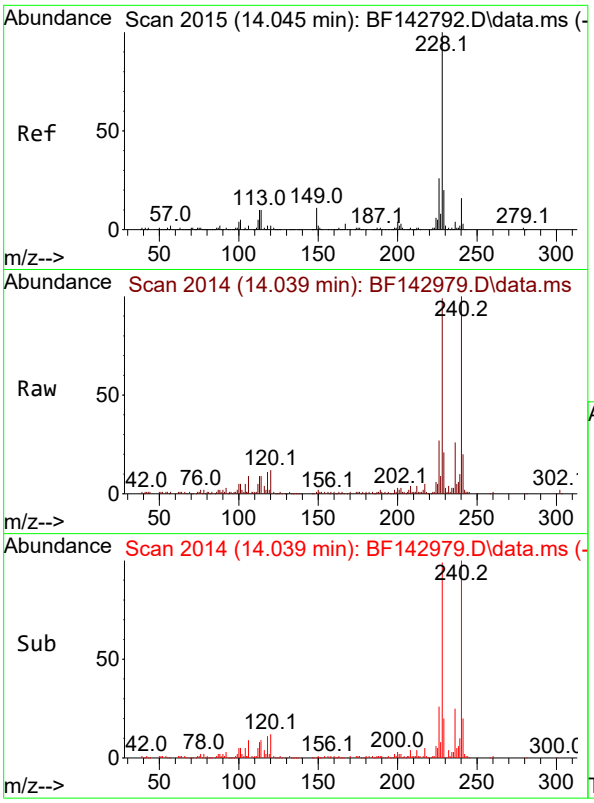


#79
Terphenyl-d14
Concen: 31.942 ng
RT: 12.986 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

Tgt Ion:244 Resp: 293990

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.1	8.2	12.2



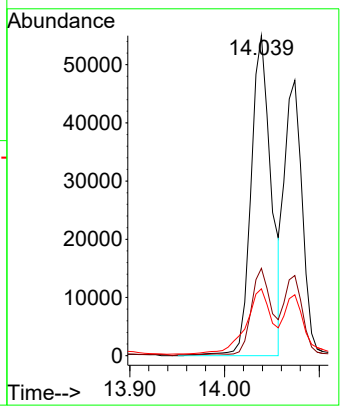


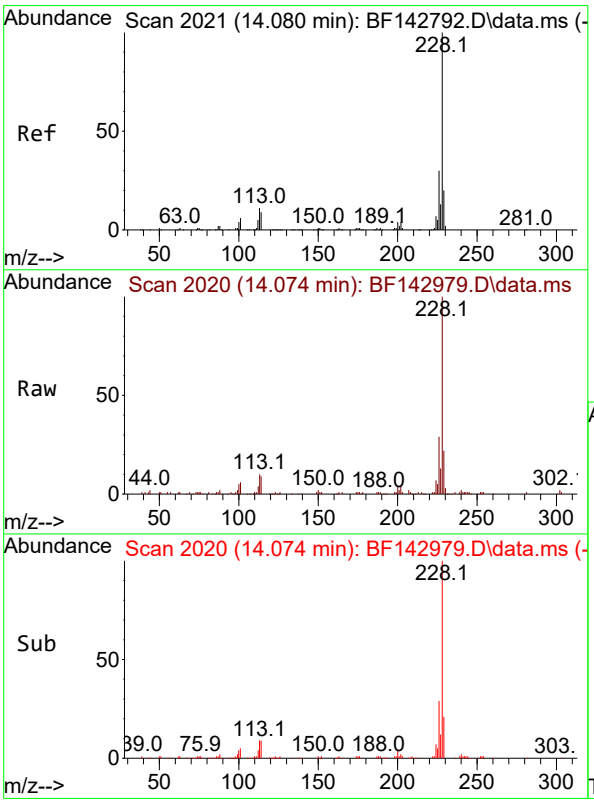
#81
Benzo(a)anthracene
Concen: 9.519 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

Instrument :
BNA_F
ClientSampleId :
TP-68

Tgt Ion:228 Resp: 81667

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.2	31.8
229	20.9	15.6	23.4

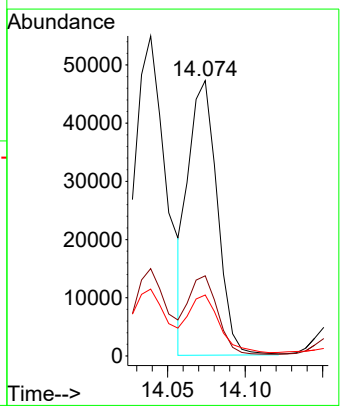


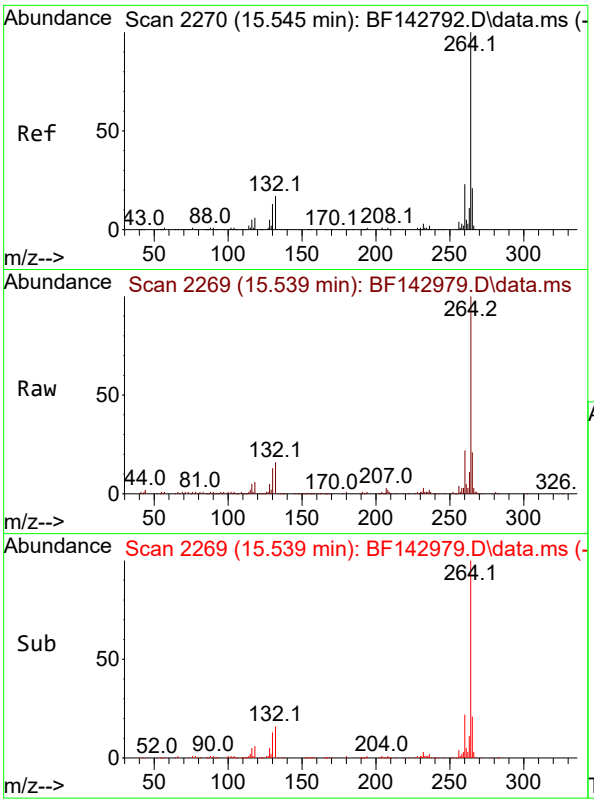


#83
Chrysene
Concen: 7.998 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

Tgt Ion:228 Resp: 61225

Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.7	35.5
229	22.1	15.7	23.5



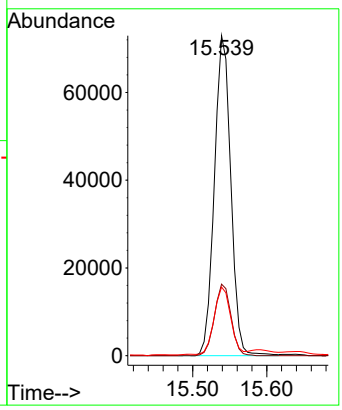


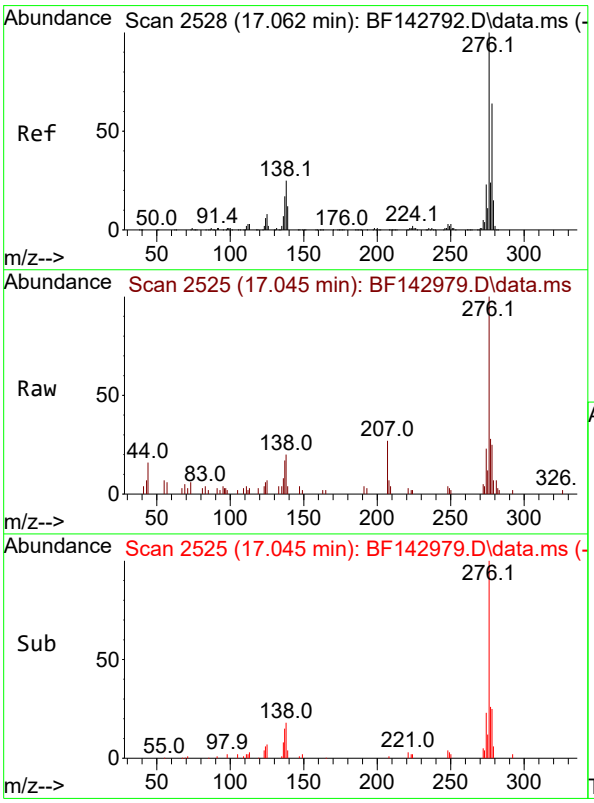
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

Instrument :
BNA_F
ClientSampleId :
TP-68

Tgt Ion:264 Resp: 112443

Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.1	27.1
265	21.5	16.6	25.0

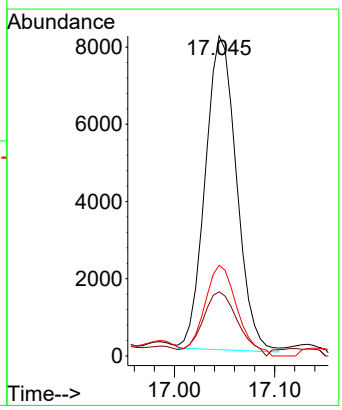


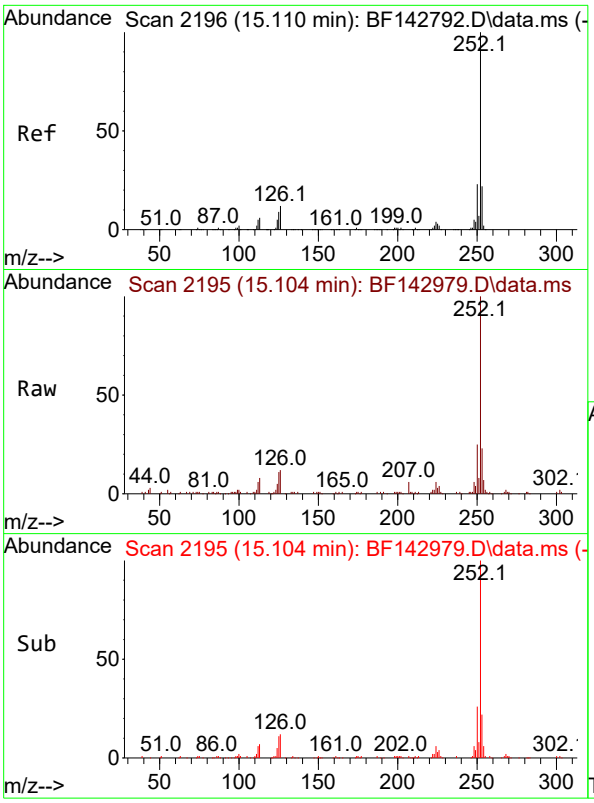


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.053 ng
RT: 17.045 min Scan# 2525
Delta R.T. -0.018 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

Tgt Ion:276 Resp: 17586

Ion	Ratio	Lower	Upper
276	100		
138	23.3	20.2	30.4
277	30.3	19.8	29.6#



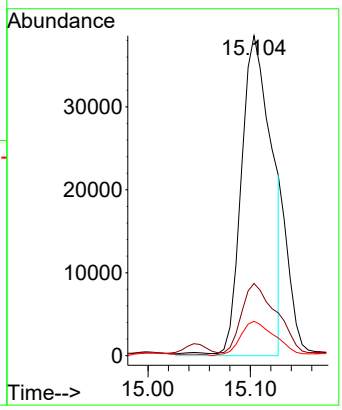


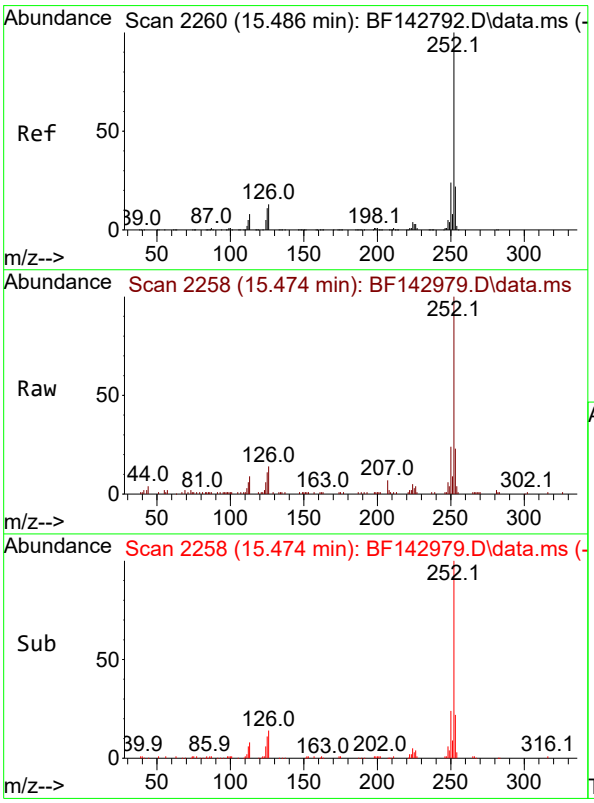
#88
Benzo(b)fluoranthene
Concen: 12.149 ng m
RT: 15.104 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

Instrument :
BNA_F
ClientSampleId :
TP-68

Tgt Ion:252 Resp: 79050

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	10.8	7.4	11.0

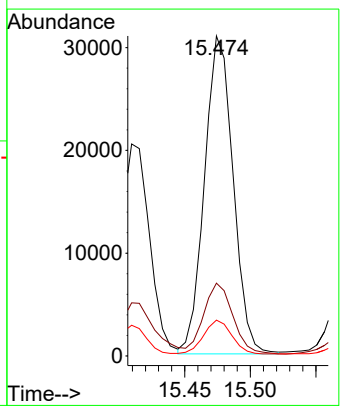


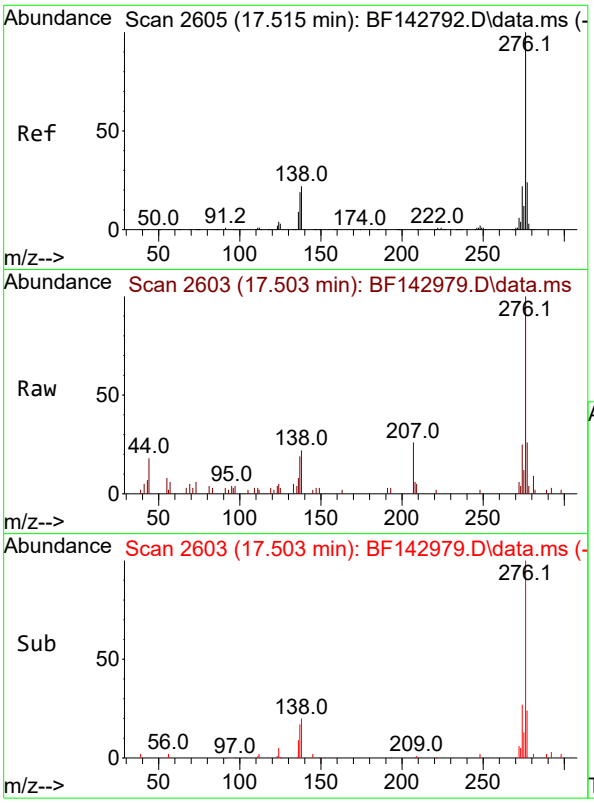


#90
Benzo(a)pyrene
Concen: 7.479 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

Tgt Ion:252 Resp: 47008

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	11.2	8.6	12.8



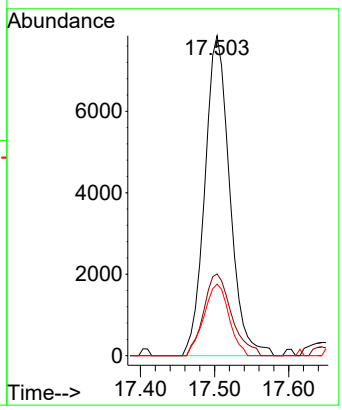


#92
Benzo(g,h,i)perylene
Concen: 2.641 ng
RT: 17.503 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

Instrument :
BNA_F
ClientSampleId :
TP-68

Tgt Ion:276 Resp: 18329

Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.8	28.2
138	22.3	17.6	26.4



Sample Results: **BF142979.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142979.D
Acq On : 02 Jul 2025 19:21
Operator : RC/JU
Sample : Q2458-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-68

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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142979.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.081	482	491	506	rBV	64181	97569	8.54%	0.942%
2	5.487	555	560	580	rBV	723485	954034	83.50%	9.209%
3	6.498	727	732	751	rBV	703279	934854	81.82%	9.023%
4	6.869	790	795	804	rBV	282145	343150	30.03%	3.312%
5	7.434	885	891	896	rBV	477881	591905	51.81%	5.713%
6	8.157	1009	1014	1021	rBV	358643	441304	38.63%	4.260%
7	9.228	1191	1196	1202	rBV	886507	1142507	100.00%	11.028%
8	9.910	1307	1312	1317	rBV	373366	469894	41.13%	4.536%
9	10.622	1428	1433	1441	rVB	86136	111726	9.78%	1.078%
10	10.704	1441	1447	1452	rBV	467572	594704	52.05%	5.740%
11	10.816	1461	1466	1474	rVB5	6606	12698	1.11%	0.123%
12	11.404	1560	1566	1575	rBV2	303089	503280	44.05%	4.858%
13	11.474	1575	1578	1582	rBV	12270	14187	1.24%	0.137%
14	11.927	1646	1655	1661	rBV2	65997	138288	12.10%	1.335%
15	12.016	1666	1670	1680	rVB	48738	96099	8.41%	0.928%
16	12.198	1698	1701	1704	rBV	16017	19284	1.69%	0.186%
17	12.351	1720	1727	1729	rBV3	7732	12030	1.05%	0.116%
18	12.457	1740	1745	1748	rBV	25329	35602	3.12%	0.344%
19	12.492	1748	1751	1756	rVV4	17019	28401	2.49%	0.274%
20	12.545	1756	1760	1768	rVB3	17586	27468	2.40%	0.265%
21	12.616	1768	1772	1777	rBV	220276	274338	24.01%	2.648%
22	12.768	1792	1798	1804	rVB3	8171	14310	1.25%	0.138%
23	12.845	1804	1811	1817	rBV	212984	329530	28.84%	3.181%
24	12.898	1817	1820	1824	rVB2	13593	18107	1.58%	0.175%
25	12.986	1824	1835	1843	rVB	626368	806935	70.63%	7.789%
26	13.063	1843	1848	1855	rBV3	25736	48315	4.23%	0.466%
27	13.174	1860	1867	1871	rVB	45016	78349	6.86%	0.756%
28	13.245	1875	1879	1882	rVV	28123	38200	3.34%	0.369%
29	13.280	1882	1885	1892	rVB3	35059	49897	4.37%	0.482%
30	13.374	1897	1901	1903	rVV	19950	25855	2.26%	0.250%
31	13.404	1903	1906	1915	rVB3	20457	31884	2.79%	0.308%
32	13.663	1946	1950	1951	rBV3	9348	11714	1.03%	0.113%
33	13.686	1951	1954	1959	rVB	21133	29652	2.60%	0.286%
34	13.798	1968	1973	1975	rBV2	28622	41471	3.63%	0.400%
35	13.821	1975	1977	1980	rVV	20240	26191	2.29%	0.253%
36	13.892	1984	1989	1998	rVB4	42590	84163	7.37%	0.812%

Sample Results: **BF142979.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142979.D
Acq On : 02 Jul 2025 19:21
Operator : RC/JU
Sample : Q2458-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-68

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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	14.045	2007	2015	2027	rBV2	363753	738677	64.65%	7.130%
38	14.157	2027	2034	2037	rBV3	18381	35897	3.14%	0.346%
39	14.198	2038	2041	2046	rBV5	9573	15595	1.36%	0.151%
40	14.398	2072	2075	2077	rBV3	10169	13680	1.20%	0.132%
41	14.433	2077	2081	2084	rVV	33094	47311	4.14%	0.457%
42	14.468	2084	2087	2090	rVB2	14842	17532	1.53%	0.169%
43	14.527	2090	2097	2100	rBV4	20375	42949	3.76%	0.415%
44	14.757	2131	2136	2138	rBV4	11250	19643	1.72%	0.190%
45	14.939	2164	2167	2174	rVB4	9859	17612	1.54%	0.170%
46	15.104	2189	2195	2203	rBV	104935	243166	21.28%	2.347%
47	15.215	2210	2214	2217	rBV	17205	22531	1.97%	0.217%
48	15.409	2243	2247	2253	rVB	54204	86159	7.54%	0.832%
49	15.474	2253	2258	2263	rBV	79082	119938	10.50%	1.158%
50	15.539	2263	2269	2281	rVB	191890	332413	29.10%	3.209%
51	17.045	2520	2525	2534	rVB2	22686	48998	4.29%	0.473%
52	17.356	2574	2578	2591	rVB10	16080	40557	3.55%	0.391%
53	17.503	2597	2603	2610	rBV	18143	39787	3.48%	0.384%

Sum of corrected areas: 10360340

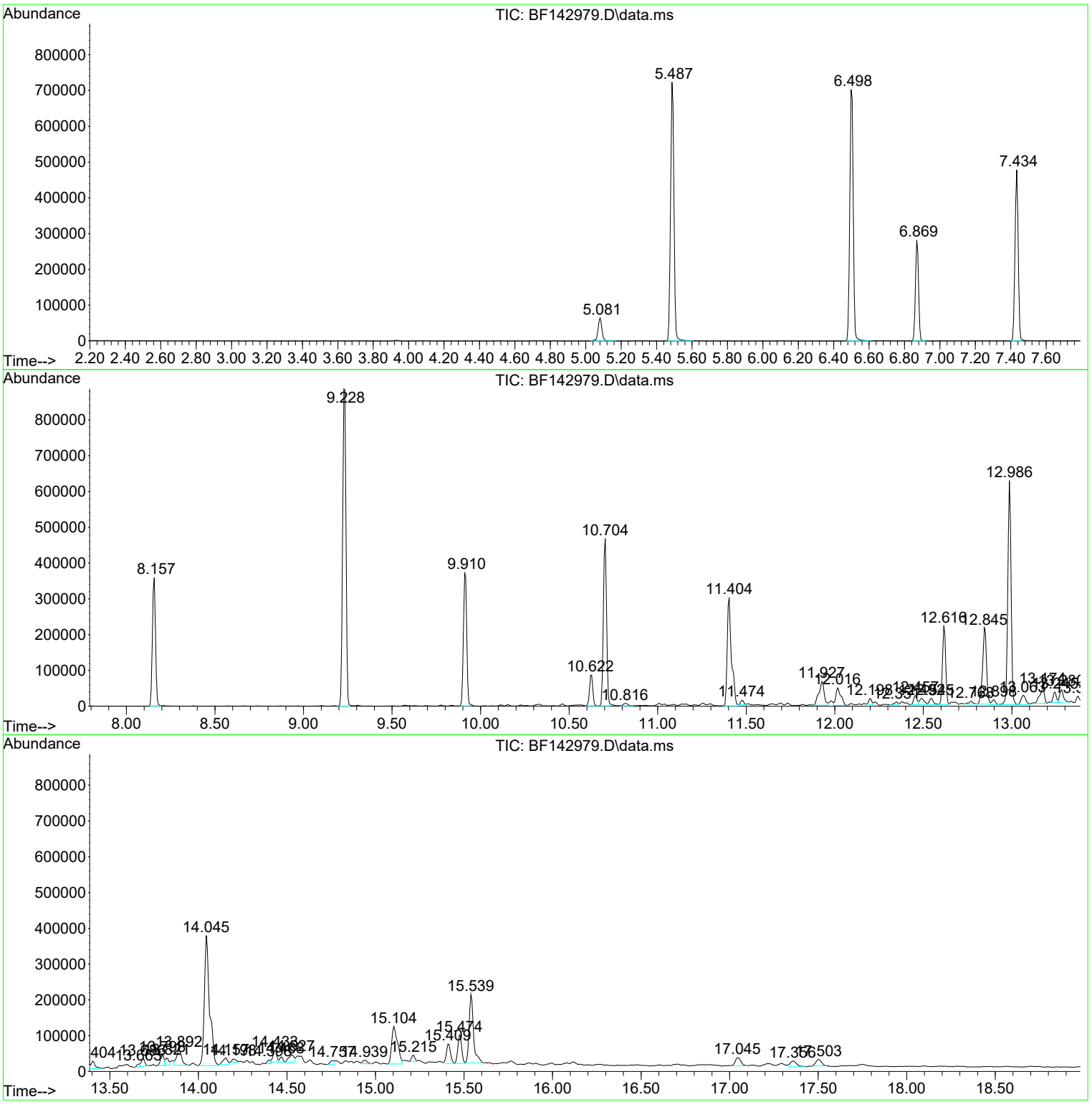
Sample Results: **BF142979.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142979.D
Acq On : 02 Jul 2025 19:21
Operator : RC/JU
Sample : Q2458-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-68

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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\BF070225\
Data File : BF142979.D
Acq On : 02 Jul 2025 19:21
Operator : RC/JU
Sample : Q2458-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-68

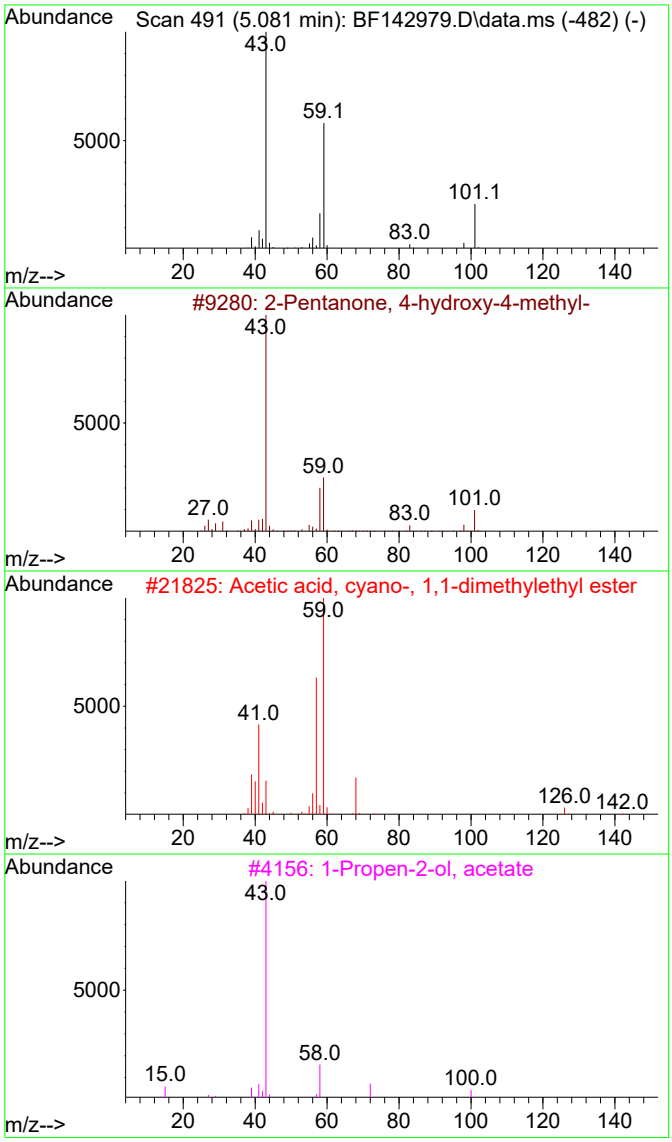
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

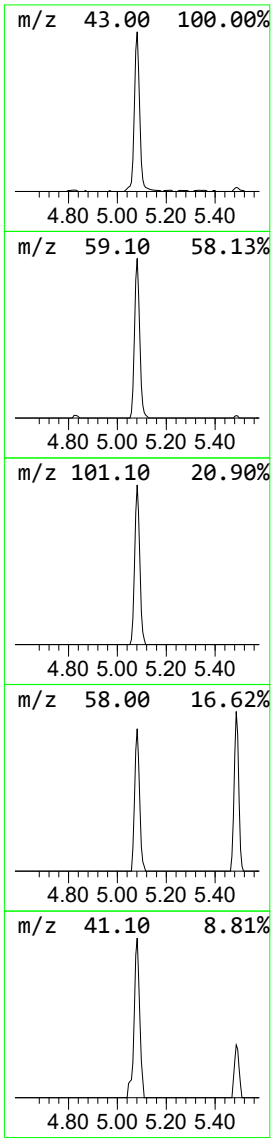
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.081	5.69 ng	97569	1,4-Dichlorobenzene-d4	6.869

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	17
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142979.D
Acq On : 02 Jul 2025 19:21
Operator : RC/JU
Sample : Q2458-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-68

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

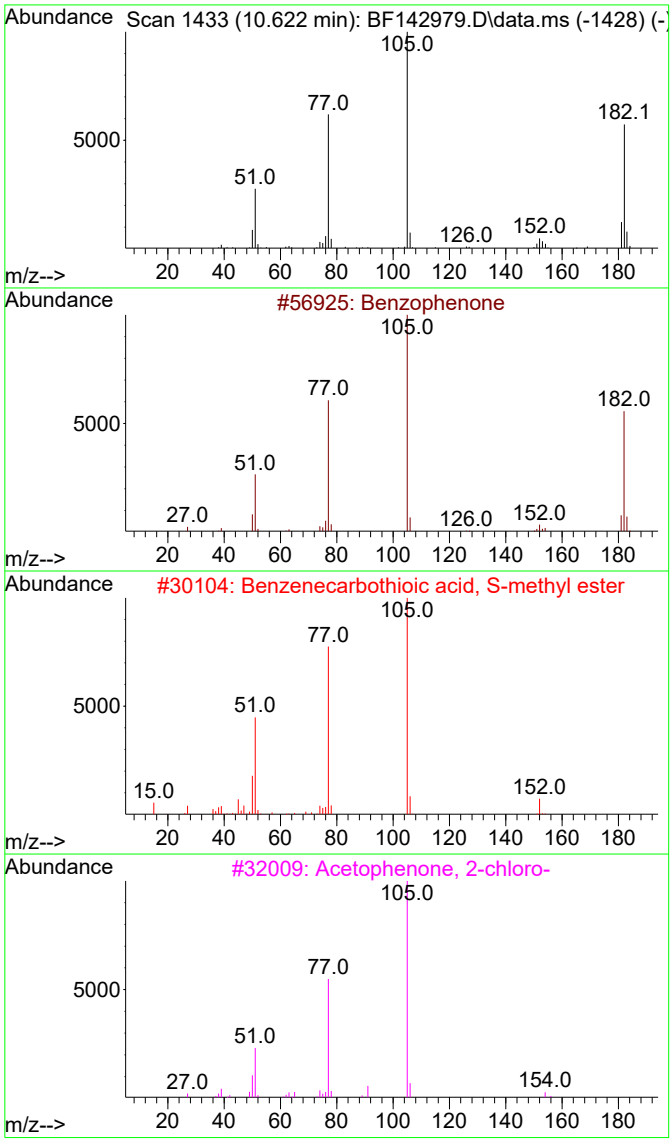
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TIC Integration Parameters: LSCINT.P

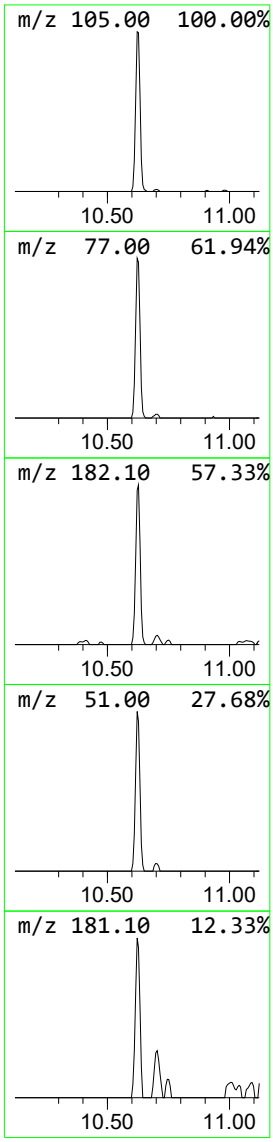
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Peak Number 2 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.621	4.76 ng	111726	Acenaphthene-d10	9.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	47
3	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	46
4	Benzoic acid, 2-propenyl ester	162	C10H10O2	000583-04-0	43
5	N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142979.D
Acq On : 02 Jul 2025 19:21
Operator : RC/JU
Sample : Q2458-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-68

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

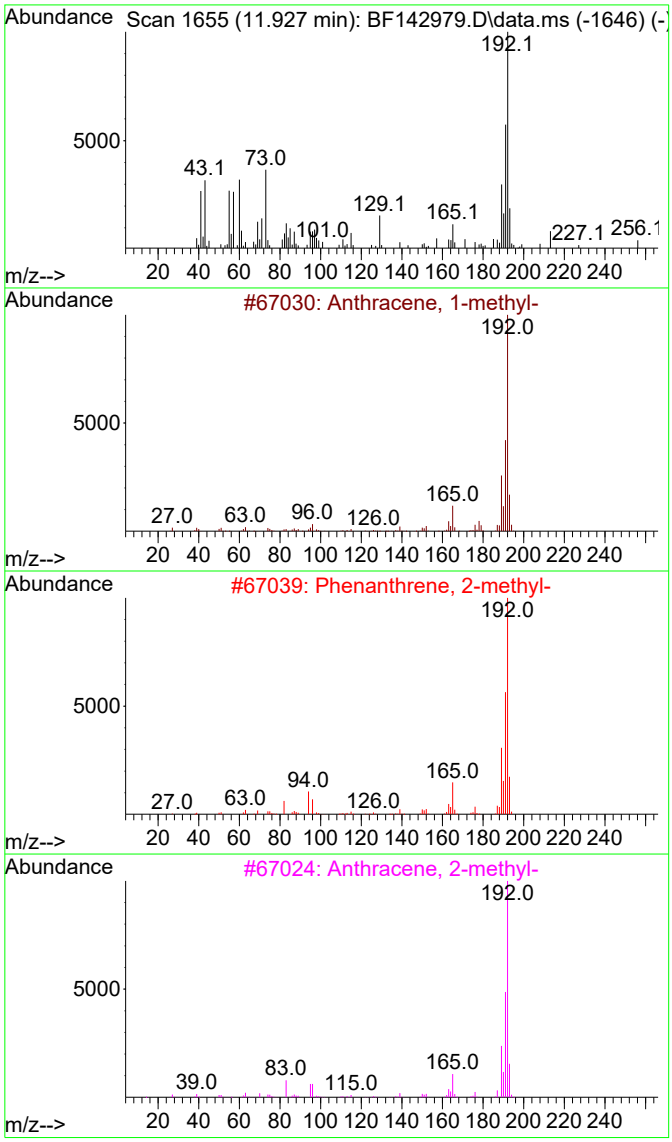
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

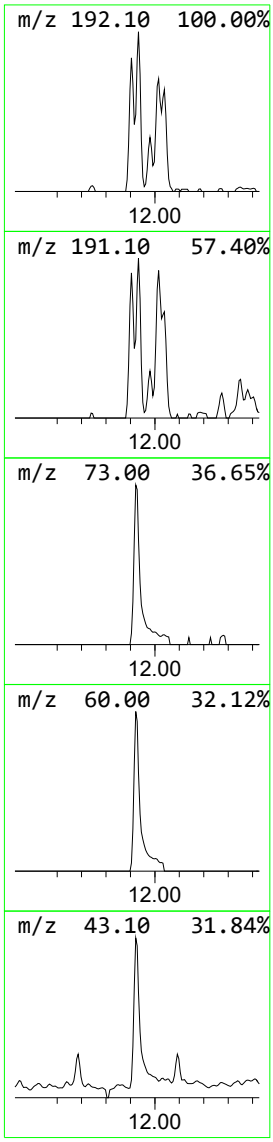
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Peak Number 3 Anthracene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	5.50 ng	138288	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142979.D
Acq On : 02 Jul 2025 19:21
Operator : RC/JU
Sample : Q2458-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-68

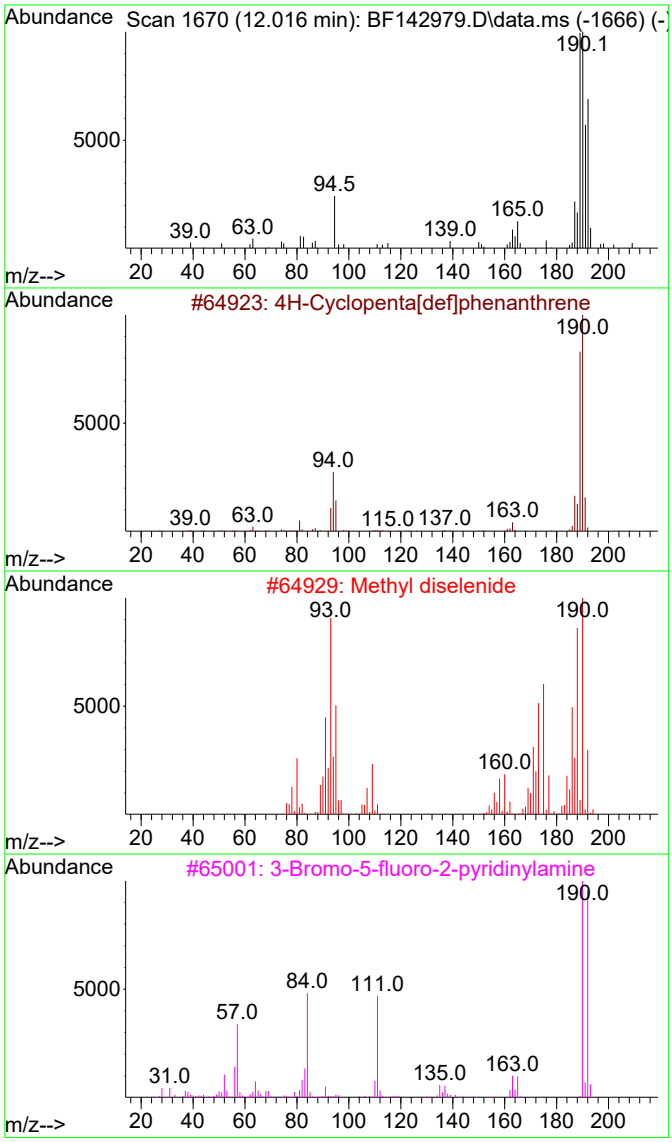
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

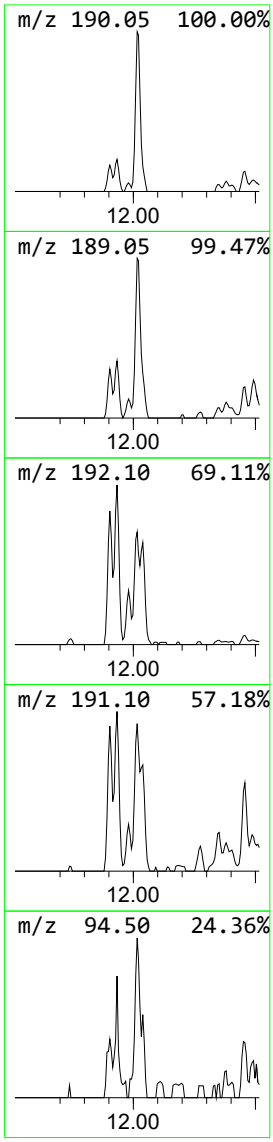
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.016	3.82 ng	96099	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2	Methyl diselenide	190	C2H6Se2	007101-31-7	38
3	3-Bromo-5-fluoro-2-pyridinylamine	190	C5H4BrFN2	869557-43-7	35
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25
5	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142979.D
Acq On : 02 Jul 2025 19:21
Operator : RC/JU
Sample : Q2458-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-68

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

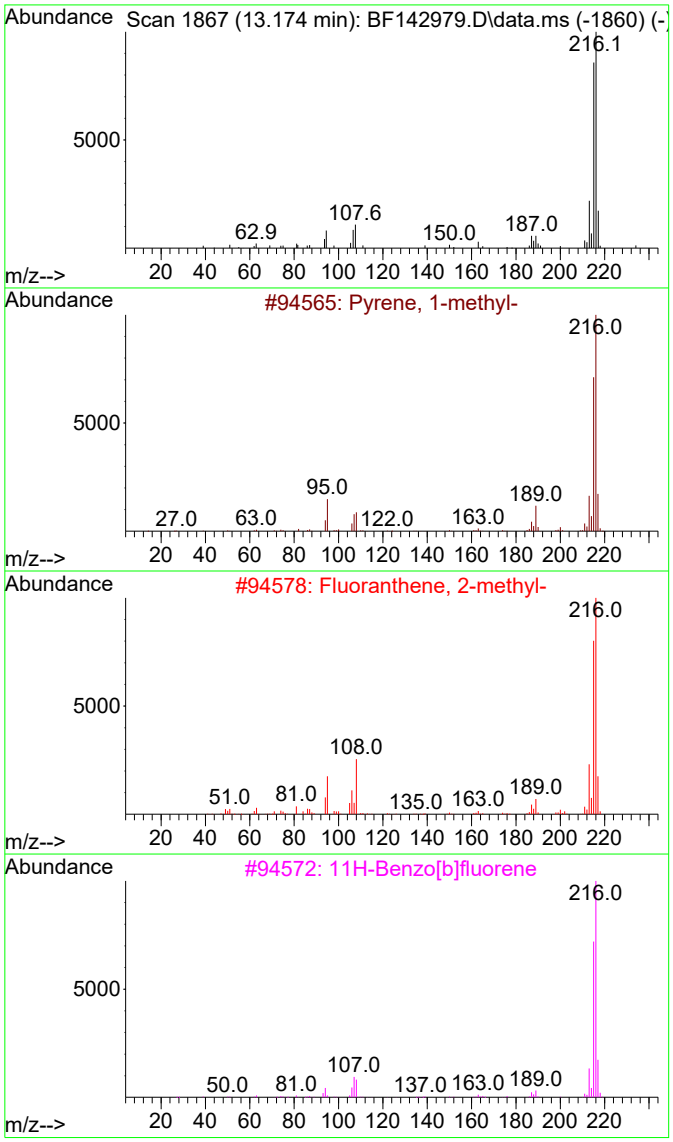
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

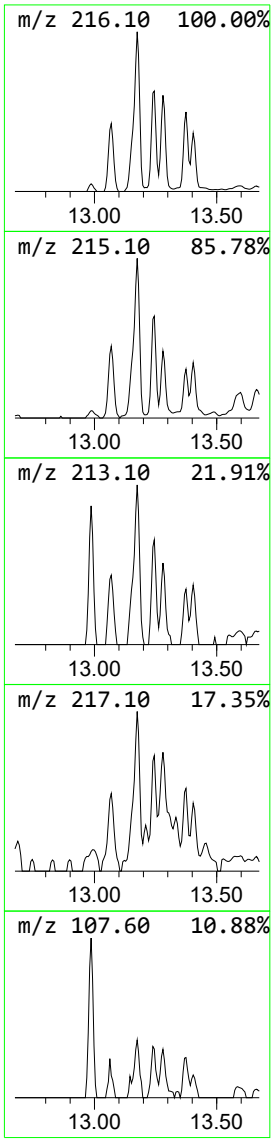
****

Peak Number 5 Pyrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.174	2.12 ng	78349	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142979.D
Acq On : 02 Jul 2025 19:21
Operator : RC/JU
Sample : Q2458-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-68

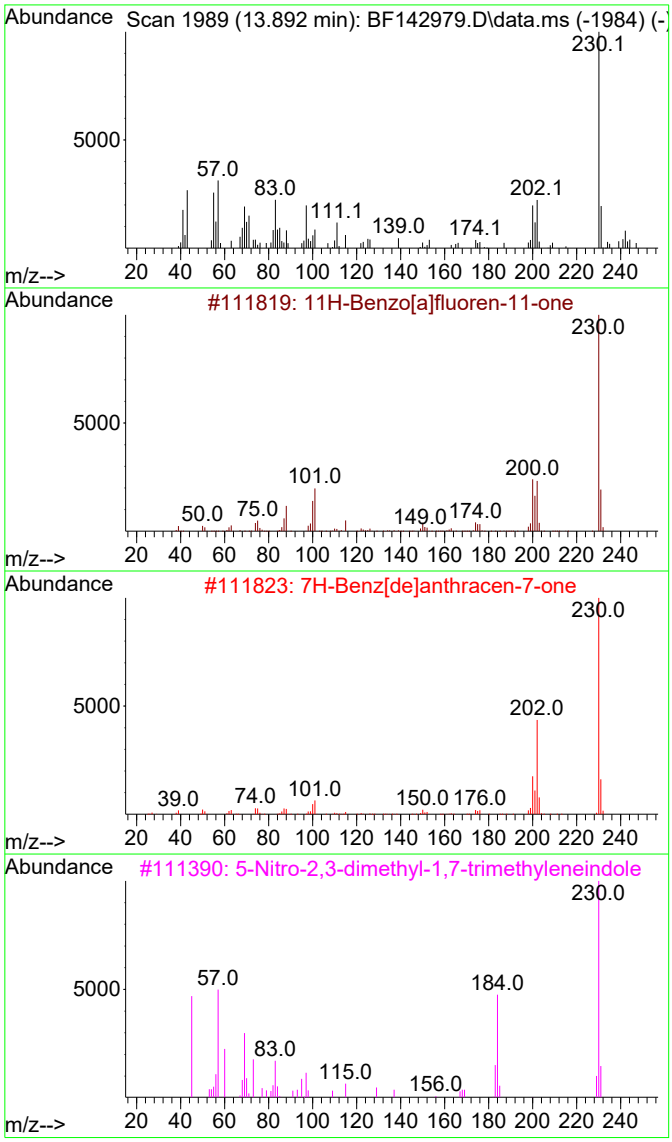
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

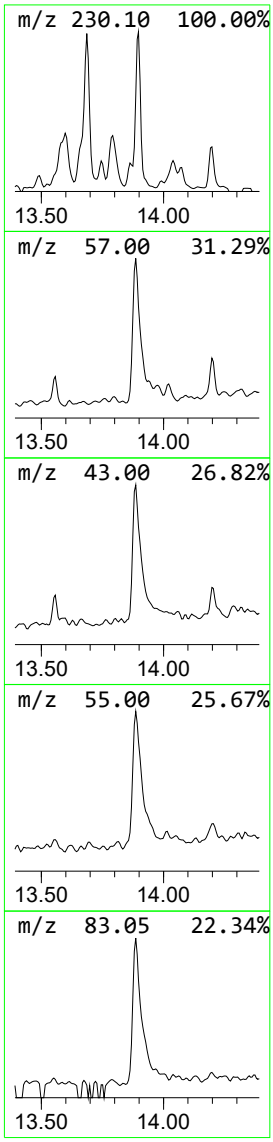
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TIC Integration Parameters: LSCINT.P

****
Peak Number 6 11H-Benzo[a]fluoren-11-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	2.28 ng	84163	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	92
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	78
3	5-Nitro-2,3-dimethyl-1,7-trimeth...	230	C13H14N2O2	003480-19-1	47
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	46
5	p-Terphenyl	230	C18H14	000092-94-4	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142979.D
Acq On : 02 Jul 2025 19:21
Operator : RC/JU
Sample : Q2458-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-68

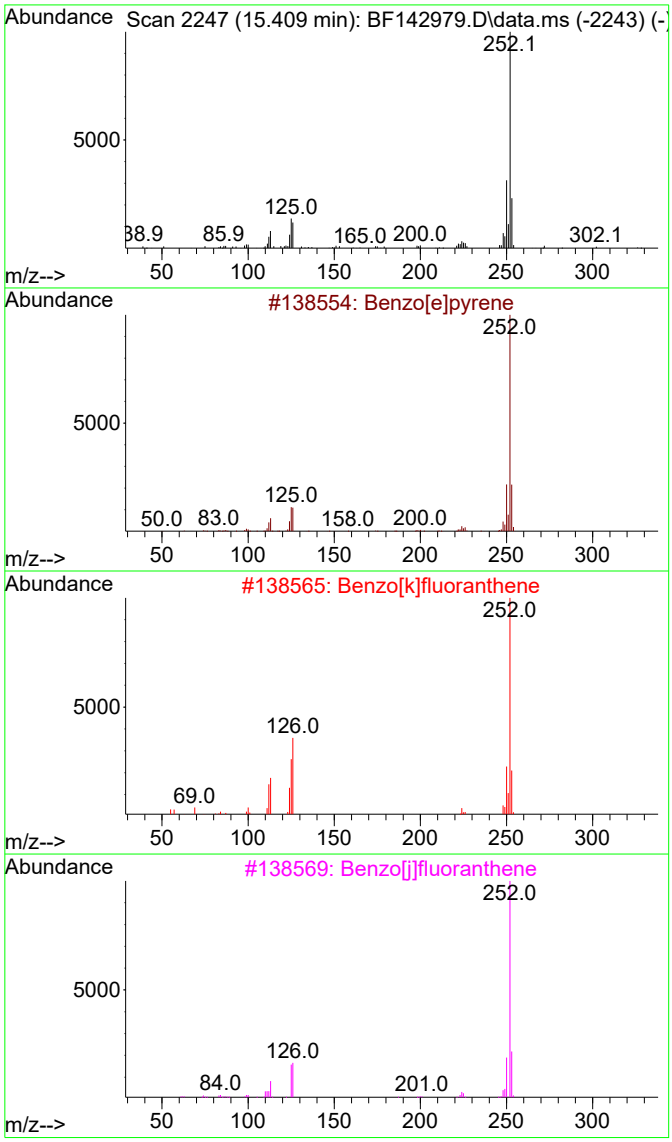
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

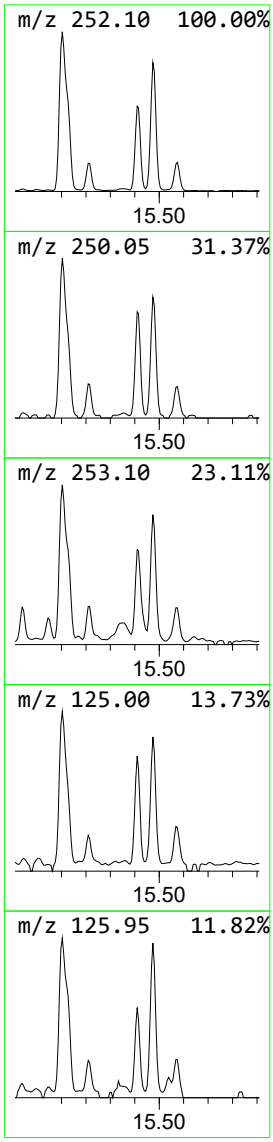
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.410	5.18 ng	86159	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142979.D
Acq On : 02 Jul 2025 19:21
Operator : RC/JU
Sample : Q2458-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-68

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

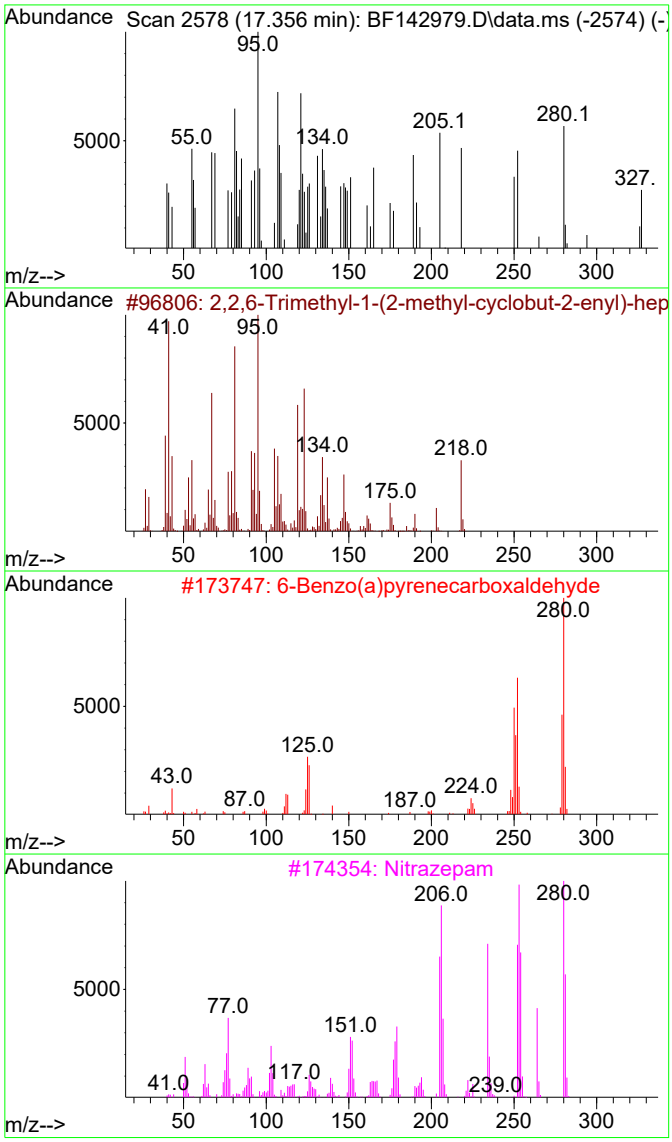
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

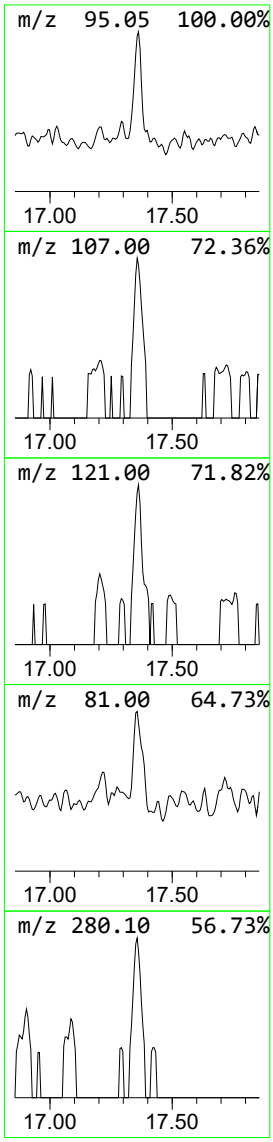
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Peak Number 8 unknown17.356 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.356	2.44 ng	40557	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2,6-Trimethyl-1-(2-methyl-cycl...	218	C15H22O	1000188-72-8	30
2	6-Benzo(a)pyrenecarboxaldehyde	280	C21H12O	013312-42-0	15
3	Nitrazepam	281	C15H11N3O3	000146-22-5	14
4	2-Methyl-6-(4-methylcyclohexa-2,...	218	C15H22O	082508-15-4	10
5	5-Hydroxy-2-pyridinecarbaldehyde	123	C6H5NO2	031191-08-9	10





Sample Results: **BF142979.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142979.D
Acq On : 02 Jul 2025 19:21
Operator : RC/JU
Sample : Q2458-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-68

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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-...	5.081	5.7	ng	97569	1	6.869	343150	20.0
Benzophenone	10.621	4.8	ng	111726	3	9.910	469894	20.0
Anthracene, 1-m...	11.927	5.5	ng	138288	4	11.404	503280	20.0
4H-Cyclopenta[d...	12.016	3.8	ng	96099	4	11.404	503280	20.0
Pyrene, 1-methyl-	13.174	2.1	ng	78349	5	14.051	738677	20.0
11H-Benzo[a]flu...	13.892	2.3	ng	84163	5	14.051	738677	20.0
Benzo[e]pyrene	15.410	5.2	ng	86159	6	15.539	332413	20.0
unknown17.356	17.356	2.4	ng	40557	6	15.539	332413	20.0

Raw Data: **BF142969.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-67	SDG No.:	Q2458
Lab Sample ID:	Q2458-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142969.D	1	07/01/25 09:30	07/02/25 14:17	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	370	ug/Kg
108-95-2	Phenol	24.6	U	24.6	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	27.1	U	27.1	190	ug/Kg
95-57-8	2-Chlorophenol	27.2	U	27.2	190	ug/Kg
95-48-7	2-Methylphenol	33.3	U	33.3	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	41.8	U	41.8	190	ug/Kg
98-86-2	Acetophenone	32.9	U	32.9	190	ug/Kg
65794-96-9	3+4-Methylphenols	45.8	U	45.8	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	52.8	U	52.8	89.1	ug/Kg
67-72-1	Hexachloroethane	19.6	U	19.6	190	ug/Kg
98-95-3	Nitrobenzene	20.4	U	20.4	190	ug/Kg
78-59-1	Isophorone	36.5	U	36.5	190	ug/Kg
88-75-5	2-Nitrophenol	64.8	U	64.8	190	ug/Kg
105-67-9	2,4-Dimethylphenol	72.2	U	72.2	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	34.3	U	34.3	190	ug/Kg
120-83-2	2,4-Dichlorophenol	31.5	U	31.5	190	ug/Kg
91-20-3	Naphthalene	25.3	U	25.3	190	ug/Kg
106-47-8	4-Chloroaniline	39.4	U	39.4	190	ug/Kg
87-68-3	Hexachlorobutadiene	28.2	U	28.2	190	ug/Kg
105-60-2	Caprolactam	58.0	U	58.0	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32.0	U	32.0	190	ug/Kg
91-57-6	2-Methylnaphthalene	28.5	U	28.5	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.1	U	22.1	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	32.4	U	32.4	190	ug/Kg
92-52-4	1,1-Biphenyl	24.3	U	24.3	190	ug/Kg
91-58-7	2-Chloronaphthalene	25.1	U	25.1	190	ug/Kg
88-74-4	2-Nitroaniline	53.6	U	53.6	190	ug/Kg
131-11-3	Dimethylphthalate	30.2	U	30.2	190	ug/Kg

Raw Data: **BF142969.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-67	SDG No.:	Q2458
Lab Sample ID:	Q2458-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142969.D	1	07/01/25 09:30	07/02/25 14:17	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	32.2	U	32.2	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	37.4	U	37.4	190	ug/Kg
99-09-2	3-Nitroaniline	51.2	U	51.2	190	ug/Kg
83-32-9	Acenaphthene	23.7	U	23.7	190	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	370	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	370	ug/Kg
132-64-9	Dibenzofuran	25.3	U	25.3	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	55.8	U	55.8	190	ug/Kg
84-66-2	Diethylphthalate	31.5	U	31.5	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29.7	U	29.7	190	ug/Kg
86-73-7	Fluorene	28.2	U	28.2	190	ug/Kg
100-01-6	4-Nitroaniline	71.5	U	71.5	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	36.7	U	36.7	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	31.0	U	31.0	190	ug/Kg
118-74-1	Hexachlorobenzene	28.2	U	28.2	190	ug/Kg
1912-24-9	Atrazine	37.9	U	37.9	190	ug/Kg
87-86-5	Pentachlorophenol	57.2	U	57.2	370	ug/Kg
85-01-8	Phenanthrene	23.3	U	23.3	190	ug/Kg
120-12-7	Anthracene	37.1	U	37.1	190	ug/Kg
86-74-8	Carbazole	34.8	U	34.8	190	ug/Kg
84-74-2	Di-n-butylphthalate	53.4	U	53.4	190	ug/Kg
206-44-0	Fluoranthene	33.4	U	33.4	190	ug/Kg
129-00-0	Pyrene	40.1	U	40.1	190	ug/Kg
85-68-7	Butylbenzylphthalate	79.5	UQ	79.5	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	40.9	U	40.9	370	ug/Kg
56-55-3	Benzo(a)anthracene	25.6	U	25.6	190	ug/Kg
218-01-9	Chrysene	22.2	U	22.2	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	66.0	U	66.0	190	ug/Kg
117-84-0	Di-n-octyl phthalate	96.7	U	96.7	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	21.2	U	21.2	190	ug/Kg

Raw Data: **BF142969.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-67	SDG No.:	Q2458
Lab Sample ID:	Q2458-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142969.D	1	07/01/25 09:30	07/02/25 14:17	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.0	U	25.0	190	ug/Kg
50-32-8	Benzo(a)pyrene	32.9	U	32.9	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	32.4	U	32.4	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	30.5	U	30.5	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	28.6	U	28.6	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	28.5	U	28.5	190	ug/Kg
123-91-1	1,4-Dioxane	50.4	U	50.4	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	30.5	U	30.5	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	87.4		18 - 112	58%	SPK: 150
13127-88-3	Phenol-d6	88.6		15 - 107	59%	SPK: 150
4165-60-0	Nitrobenzene-d5	53.7		18 - 107	54%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.9		20 - 109	56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	94.1		10 - 116	63%	SPK: 150
1718-51-0	Terphenyl-d14	57.0		10 - 105	57%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	53000	6.869			
1146-65-2	Naphthalene-d8	206000	8.157			
15067-26-2	Acenaphthene-d10	108000	9.916			
1517-22-2	Phenanthrene-d10	194000	11.404			
1719-03-5	Chrysene-d12	118000	14.051			
1520-96-3	Perylene-d12	101000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	280	AB		5.08	ug/Kg
000119-61-9	Benzophenone	250	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	130	J		11.9	ug/Kg
959261-23-5	Heptafluorobutyric acid, pentadecy	210	J		13.9	ug/Kg

Raw Data: **BF142969.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-67	SDG No.:	Q2458
Lab Sample ID:	Q2458-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142969.D	1	07/01/25 09:30	07/02/25 14:17	PB168674

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\BF070225\
Data File : BF142969.D
Acq On : 02 Jul 2025 14:17
Operator : RC/JU
Sample : Q2458-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-67

Quant Time: Jul 02 14:43:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

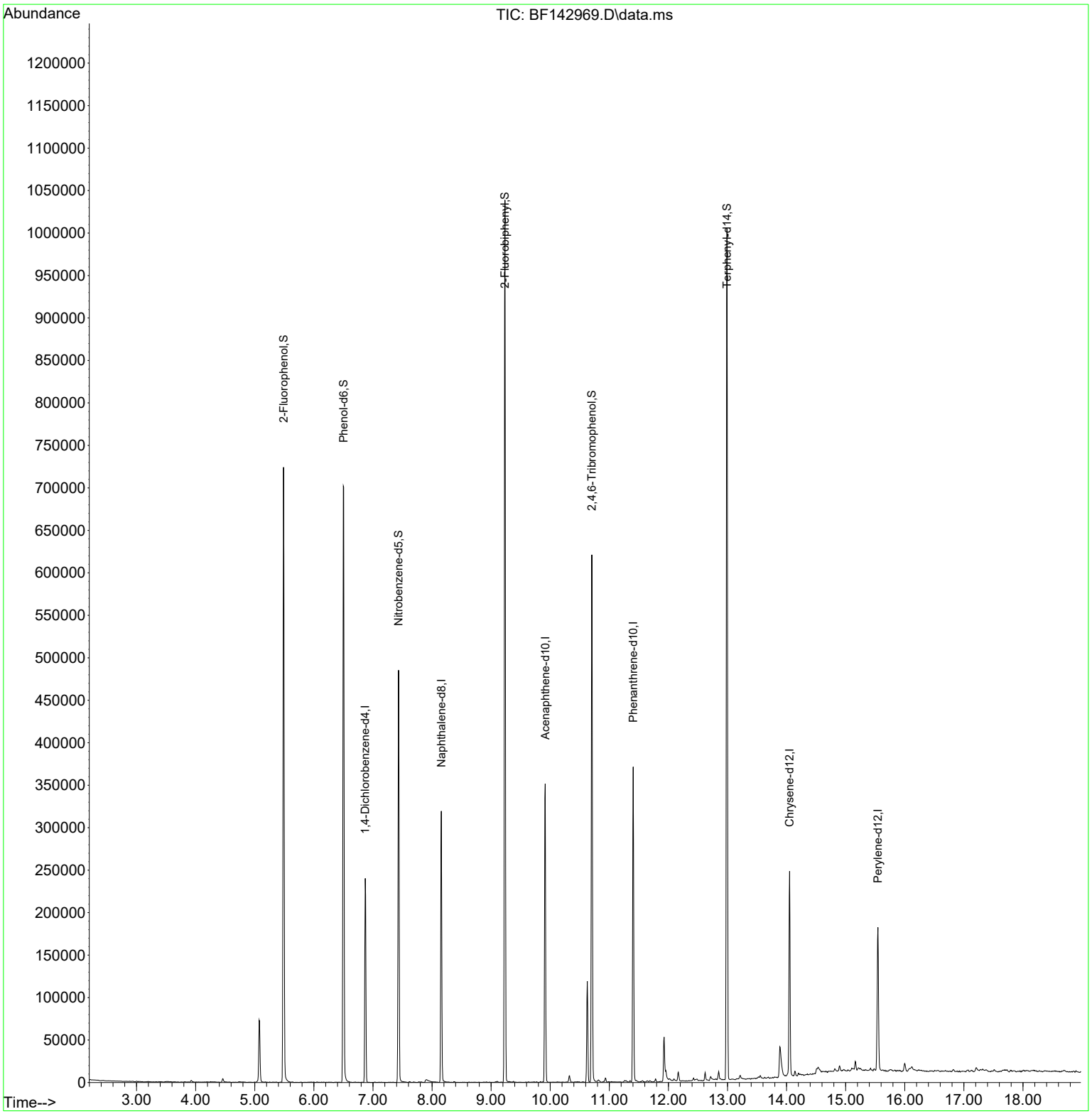
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	53005	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	205773	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	107799	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	193599	20.000	ng	0.00
76) Chrysene-d12	14.051	240	117849	20.000	ng	0.00
86) Perylene-d12	15.545	264	100982	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	278234	87.395	ng	0.00
7) Phenol-d6	6.504	99	332882	88.625	ng	0.00
23) Nitrobenzene-d5	7.434	82	201582	53.734	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	104384	94.097	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	458591	55.885	ng	-0.01
79) Terphenyl-d14	12.992	244	486496	57.038	ng	0.00
Target Compounds						Qvalue

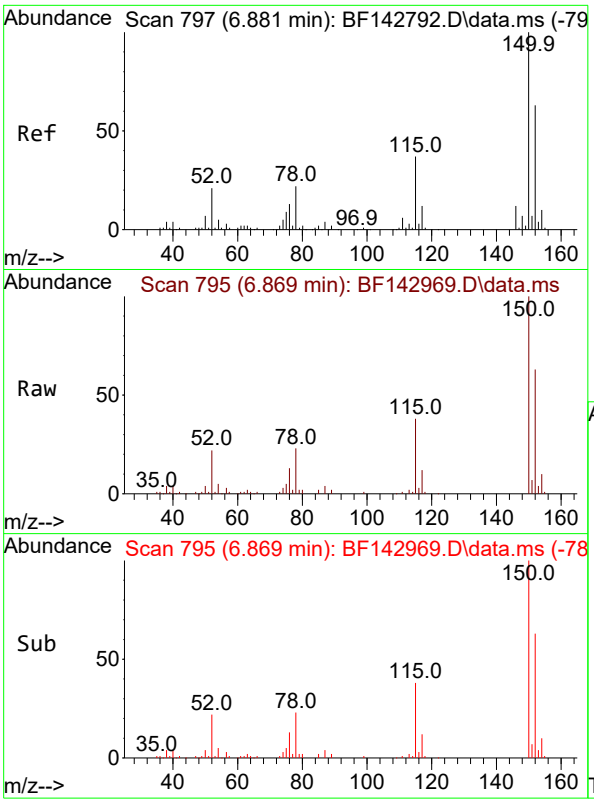
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142969.D
Acq On : 02 Jul 2025 14:17
Operator : RC/JU
Sample : Q2458-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-67

Quant Time: Jul 02 14:43:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



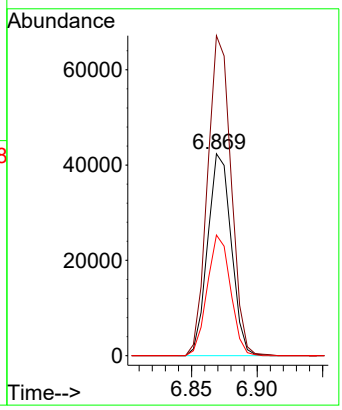


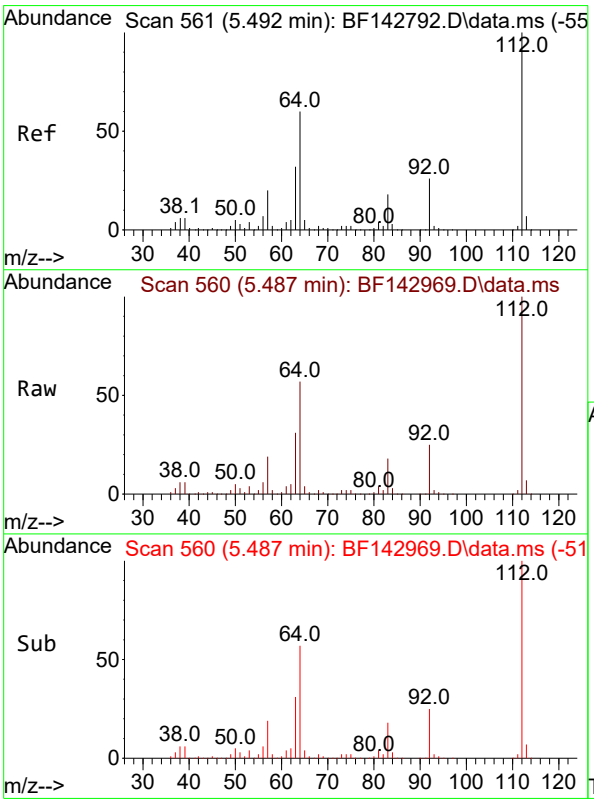
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142969.D
Acq: 02 Jul 2025 14:17

Instrument :
BNA_F
ClientSampleId :
TP-67

Tgt Ion:152 Resp: 53005

Ion	Ratio	Lower	Upper
152	100		
150	158.5	127.2	190.8
115	59.8	46.6	69.8

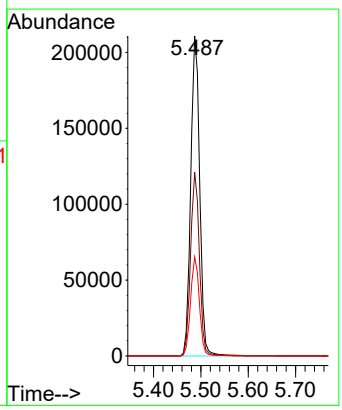


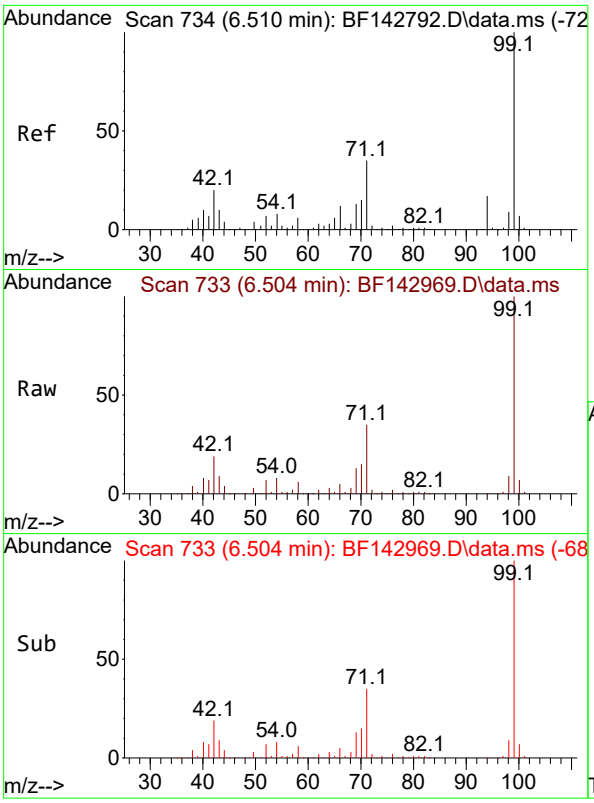


#5
2-Fluorophenol
Concen: 87.395 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF142969.D
Acq: 02 Jul 2025 14:17

Tgt Ion:112 Resp: 278234

Ion	Ratio	Lower	Upper
112	100		
64	57.4	48.2	72.2
63	30.9	25.7	38.5



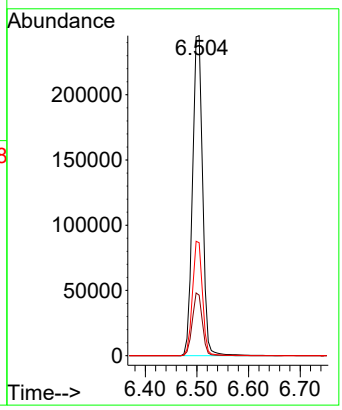


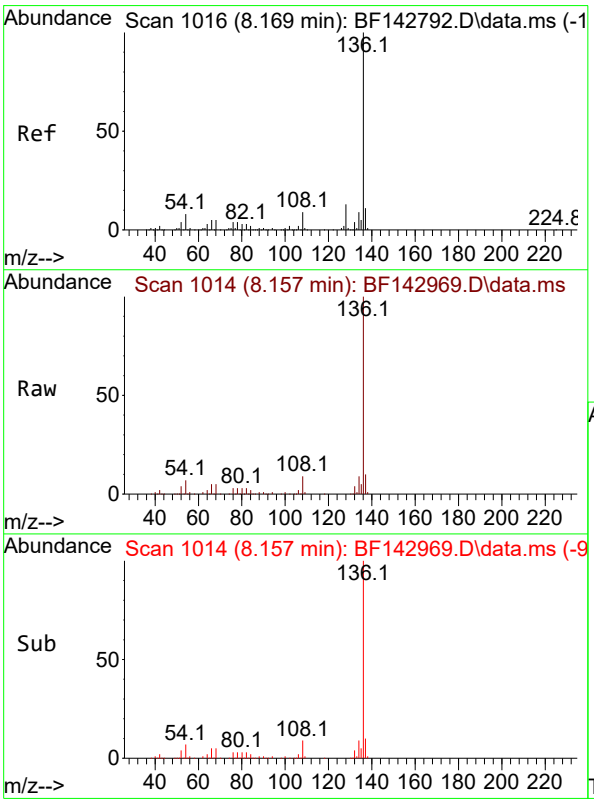
#7
Phenol-d6
Concen: 88.625 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142969.D
Acq: 02 Jul 2025 14:17

Instrument :
BNA_F
ClientSampleId :
TP-67

Tgt Ion: 99 Resp: 332882

Ion	Ratio	Lower	Upper
99	100		
42	18.9	15.9	23.9
71	35.3	27.8	41.8

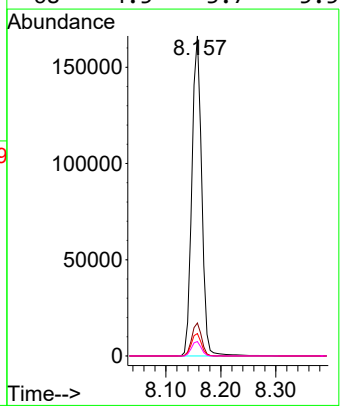


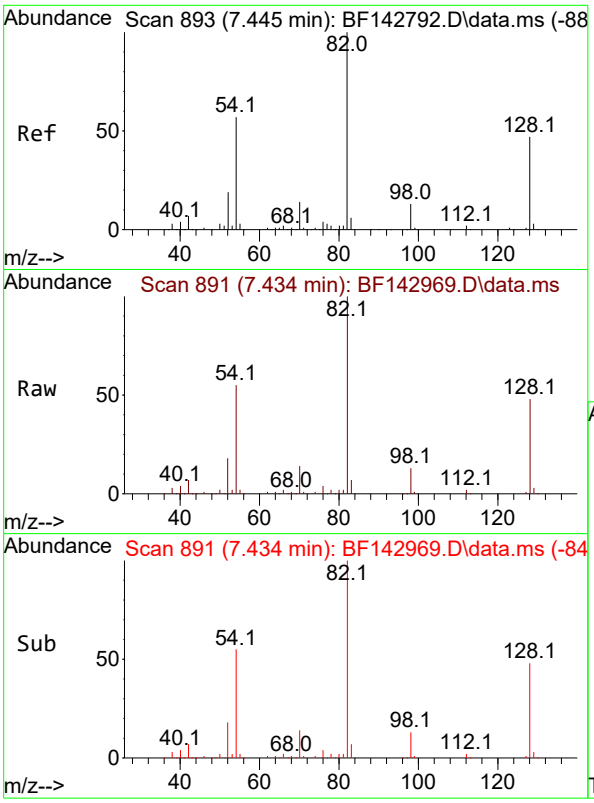


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142969.D
Acq: 02 Jul 2025 14:17

Tgt Ion:136 Resp: 205773

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.4	12.6
54	7.0	6.3	9.5
68	4.5	3.7	5.5



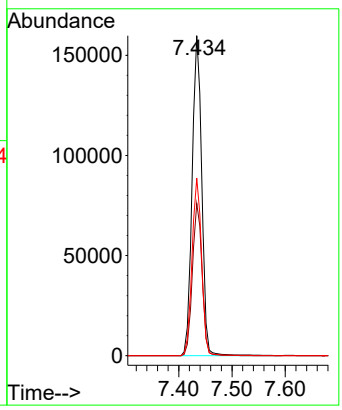


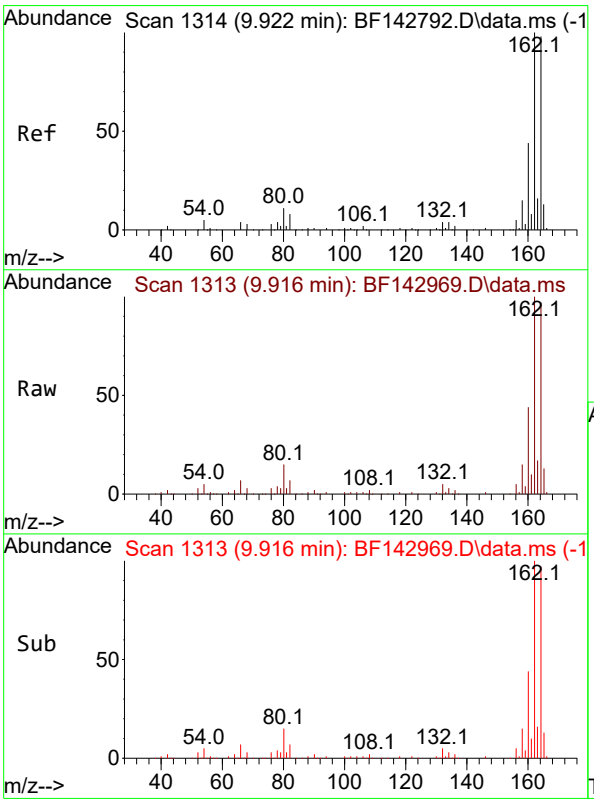
#23
Nitrobenzene-d5
Concen: 53.734 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF142969.D
Acq: 02 Jul 2025 14:17

Instrument :
BNA_F
ClientSampleId :
TP-67

Tgt Ion: 82 Resp: 201582

Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.7	56.5
54	55.4	45.7	68.5

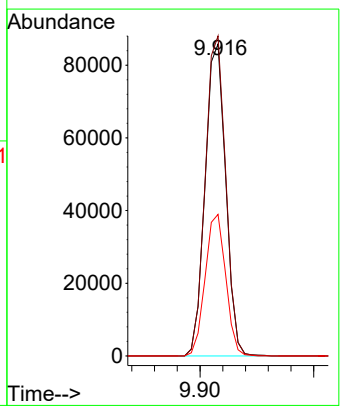


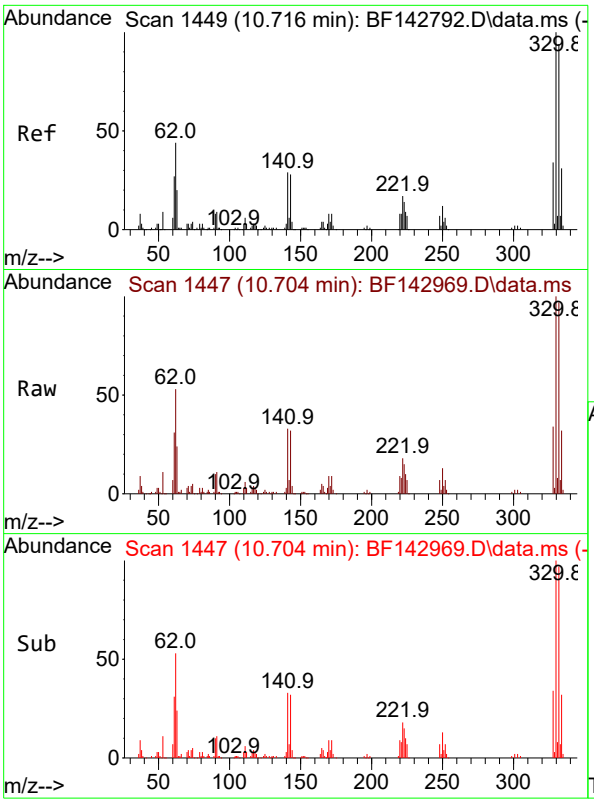


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142969.D
Acq: 02 Jul 2025 14:17

Tgt Ion:164 Resp: 107799

Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.8	122.8
160	45.4	36.0	54.0



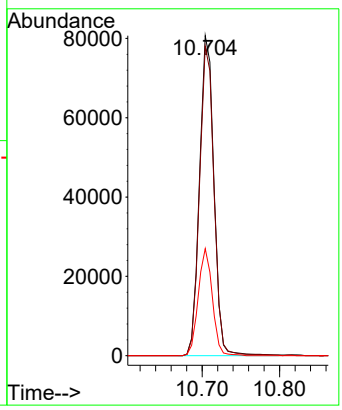


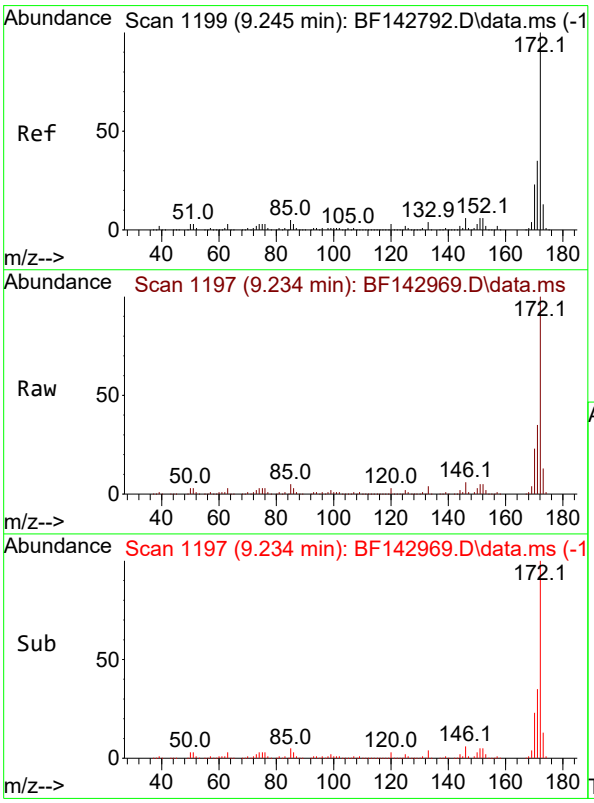
#42
2,4,6-Tribromophenol
Concen: 94.097 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142969.D
Acq: 02 Jul 2025 14:17

Instrument :
BNA_F
ClientSampleId :
TP-67

Tgt Ion:330 Resp: 104384

Ion	Ratio	Lower	Upper
330	100		
332	96.8	75.0	112.6
141	32.7	25.3	37.9

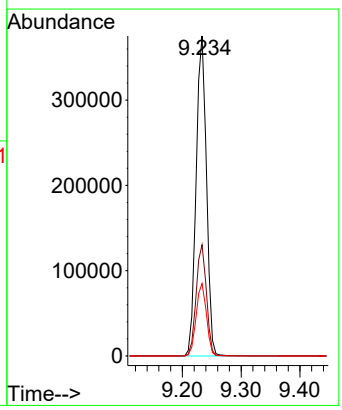


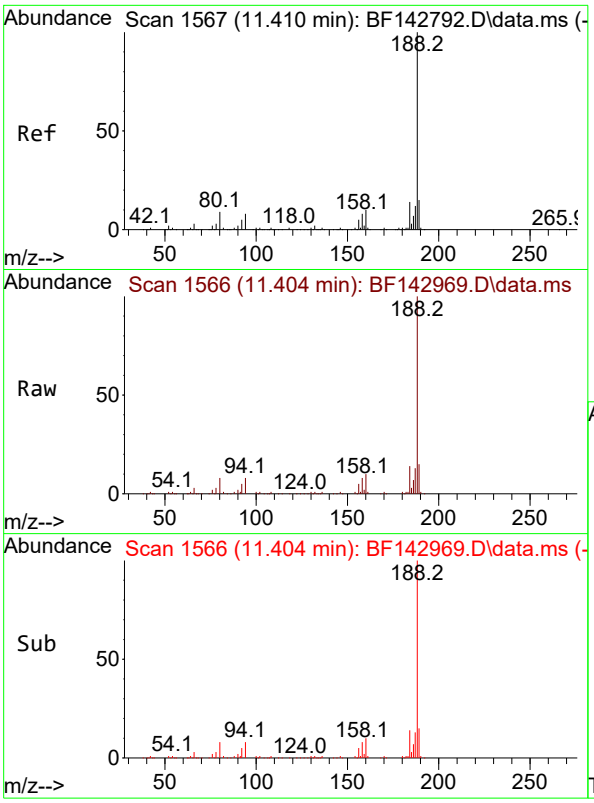


#45
2-Fluorobiphenyl
Concen: 55.885 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142969.D
Acq: 02 Jul 2025 14:17

Tgt Ion:172 Resp: 458591

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.2	42.4
170	22.6	18.5	27.7



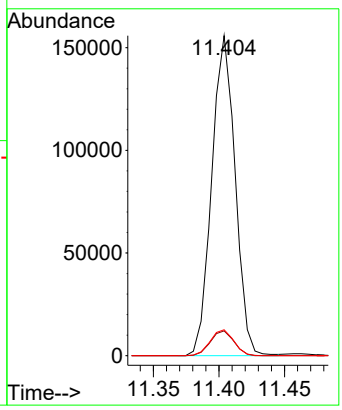


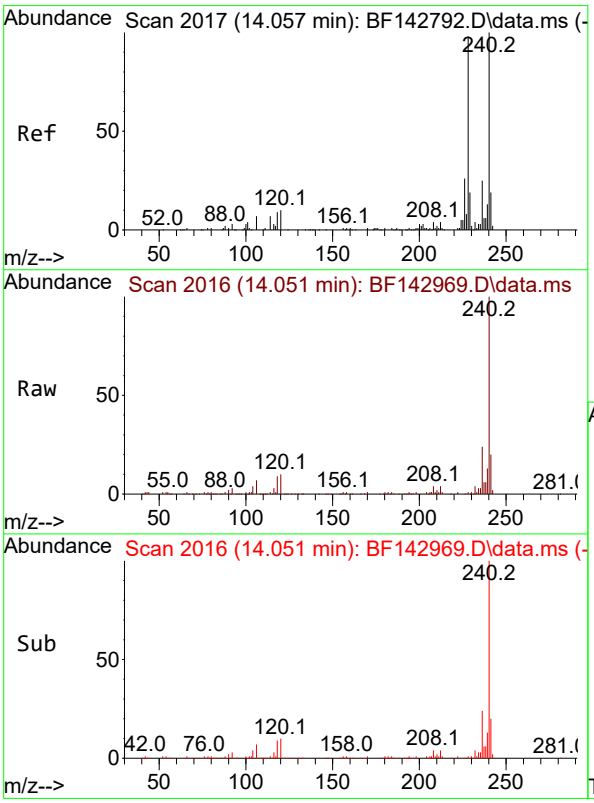
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142969.D
Acq: 02 Jul 2025 14:17

Instrument :
BNA_F
ClientSampleId :
TP-67

Tgt Ion:188 Resp: 193599

Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.7	10.1
80	8.1	6.9	10.3

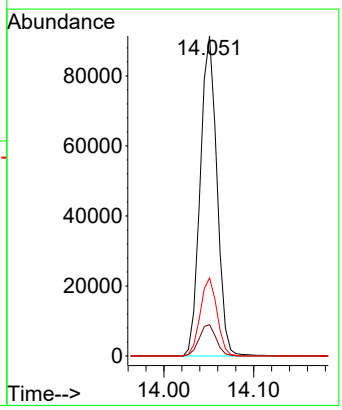


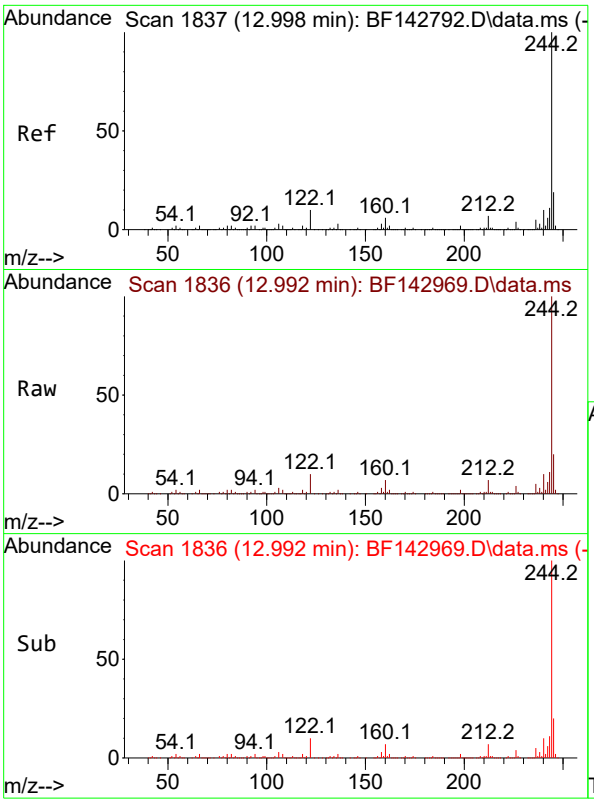


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142969.D
Acq: 02 Jul 2025 14:17

Tgt Ion:240 Resp: 117849

Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.2	12.2
236	24.4	19.8	29.8



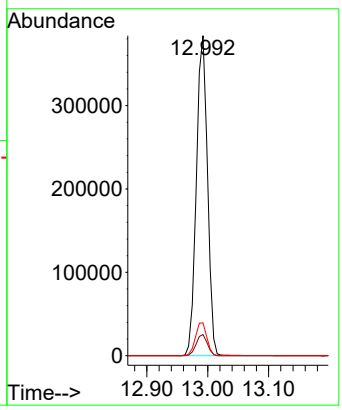


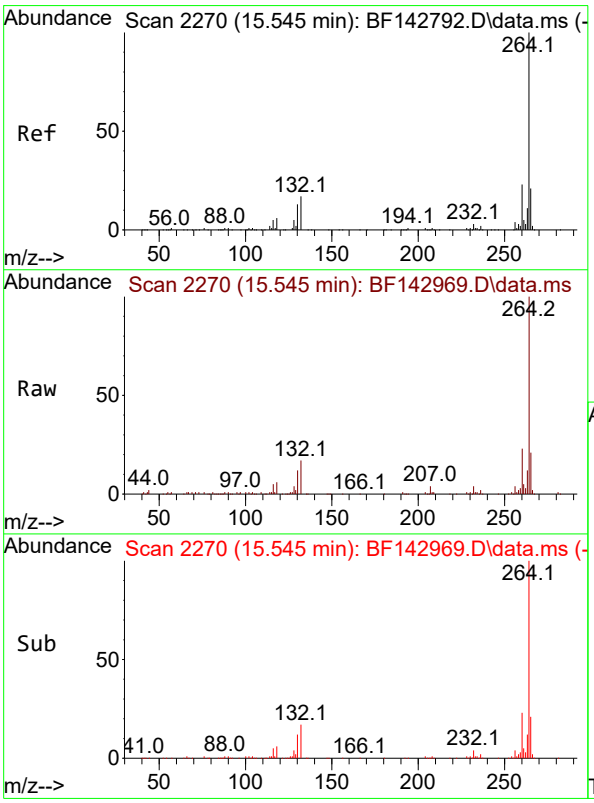
#79
Terphenyl-d14
Concen: 57.038 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142969.D
Acq: 02 Jul 2025 14:17

Instrument :
BNA_F
ClientSampleId :
TP-67

Tgt Ion:244 Resp: 486496

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.2	8.2	12.2

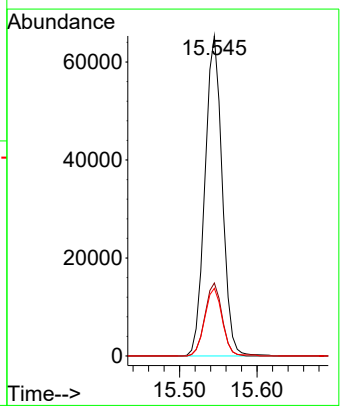




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142969.D
Acq: 02 Jul 2025 14:17

Tgt Ion:264 Resp: 100982

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.1	27.1
265	21.2	16.6	25.0



Sample Results: **BF142969.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142969.D
Acq On : 02 Jul 2025 14:17
Operator : RC/JU
Sample : Q2458-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-67

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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142969.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.075	481	490	505	rVB	73066	113220	8.89%	1.336%
2	5.487	555	560	582	rBV	724006	943771	74.13%	11.138%
3	6.498	727	732	747	rBV	702209	952531	74.82%	11.241%
4	6.869	791	795	804	rVB	240177	295980	23.25%	3.493%
5	7.434	886	891	896	rBV	485237	602962	47.36%	7.116%
6	8.157	1009	1014	1027	rBV	319034	390884	30.70%	4.613%
7	9.234	1191	1197	1202	rBV	1038609	1267270	99.54%	14.956%
8	9.916	1308	1313	1318	rBV	350863	438644	34.45%	5.177%
9	10.628	1428	1434	1442	rBV	119016	145468	11.43%	1.717%
10	10.704	1442	1447	1458	rBV	620783	782316	61.45%	9.232%
11	11.404	1561	1566	1573	rBV	370769	461891	36.28%	5.451%
12	11.927	1649	1655	1659	rBV	52237	78221	6.14%	0.923%
13	12.169	1691	1696	1704	rVB3	10700	15804	1.24%	0.187%
14	12.851	1807	1812	1821	rVB	9749	14862	1.17%	0.175%
15	12.992	1830	1836	1841	rBV	1002329	1273108	100.00%	15.025%
16	13.886	1983	1988	2002	rBV	35750	87991	6.91%	1.038%
17	14.051	2008	2016	2026	rVB	241050	317616	24.95%	3.748%
18	15.163	2202	2205	2210	rVB	10281	13970	1.10%	0.165%
19	15.545	2264	2270	2281	rVB	168592	260687	20.48%	3.076%
20	15.998	2343	2347	2355	rVB3	9248	16338	1.28%	0.193%

Sum of corrected areas: 8473534

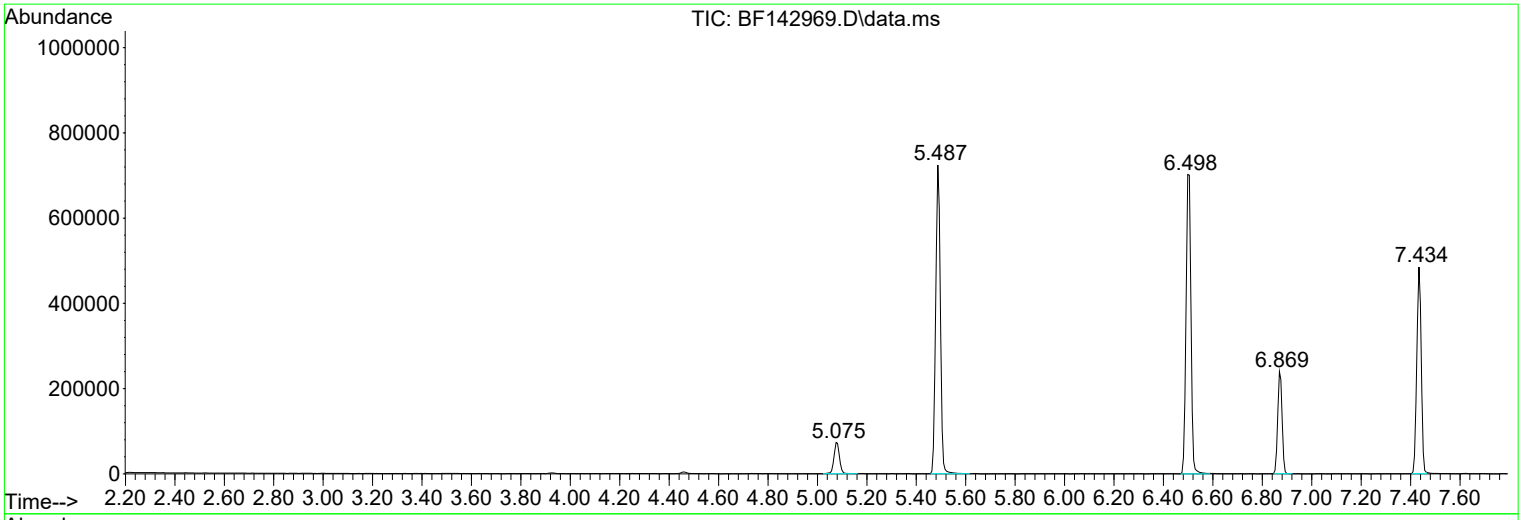
Sample Results: **BF142969.D**

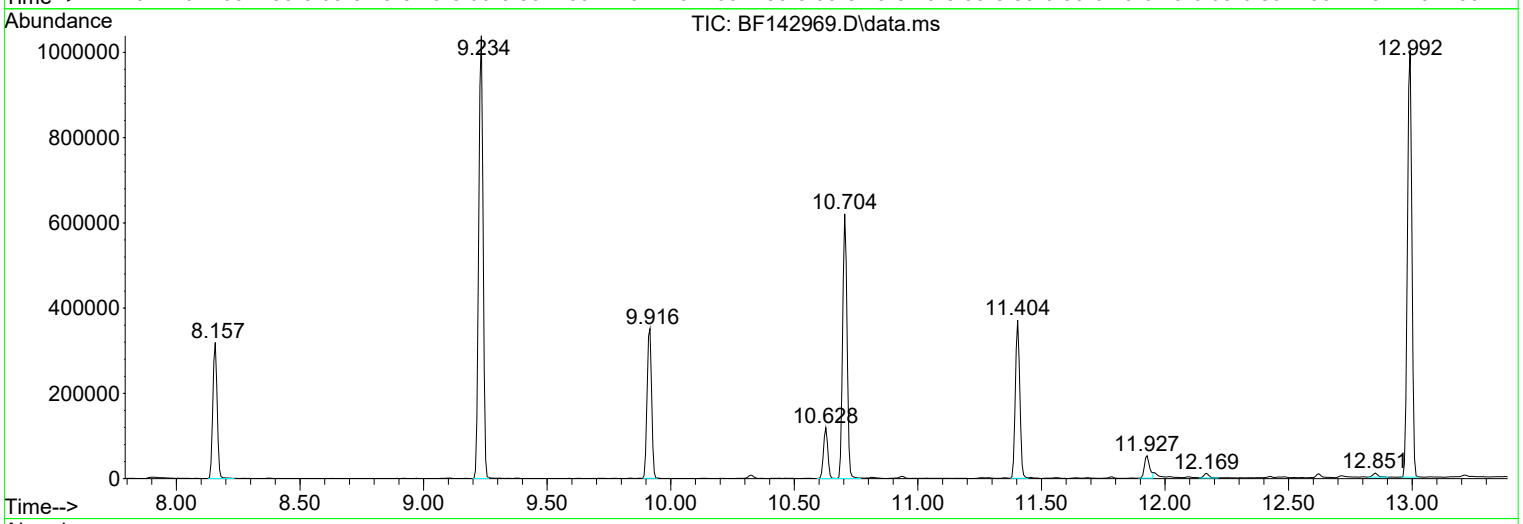
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142969.D
Acq On : 02 Jul 2025 14:17
Operator : RC/JU
Sample : Q2458-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

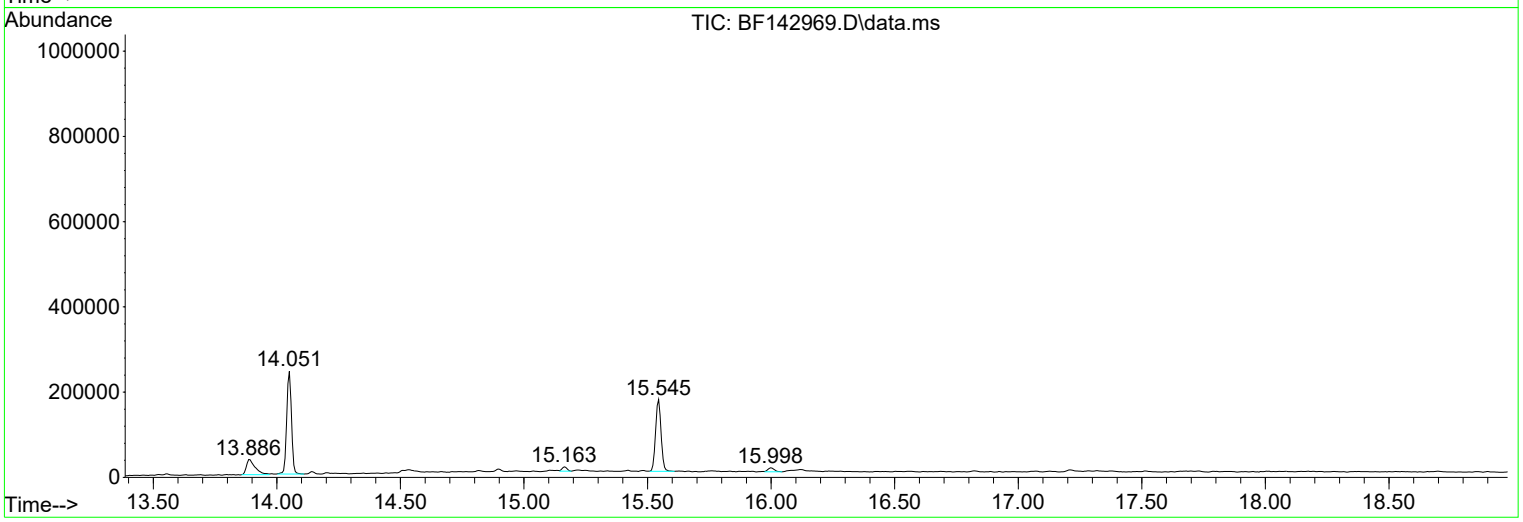
Instrument :
BNA_F
ClientSampleId :
TP-67

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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\BF070225\
Data File : BF142969.D
Acq On : 02 Jul 2025 14:17
Operator : RC/JU
Sample : Q2458-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-67

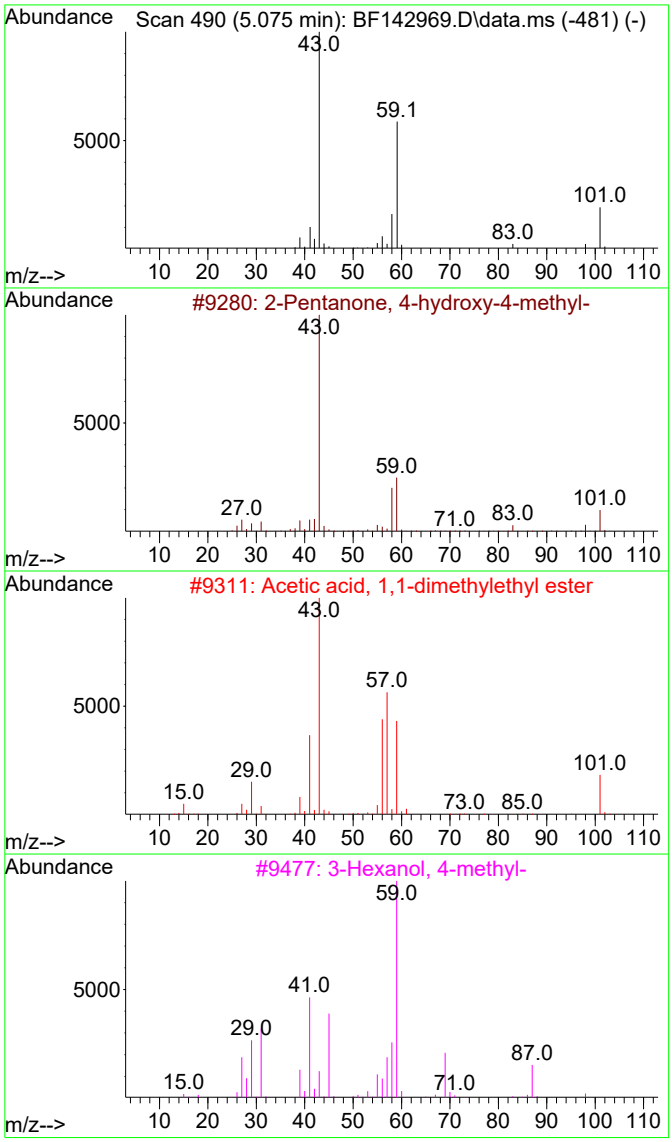
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

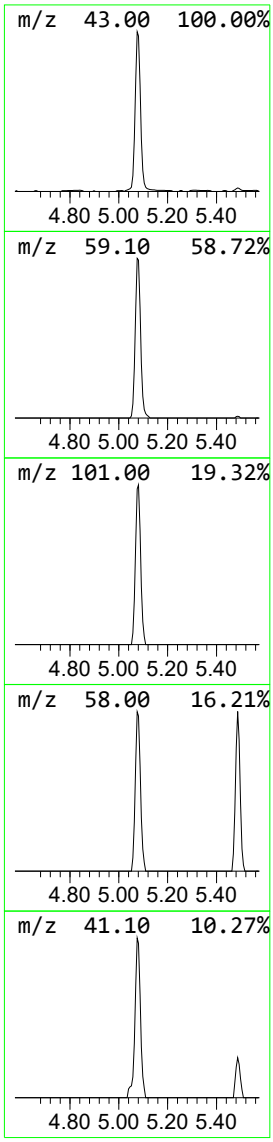
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.075	7.65 ng	113220	1,4-Dichlorobenzene-d4	6.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142969.D
Acq On : 02 Jul 2025 14:17
Operator : RC/JU
Sample : Q2458-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-67

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

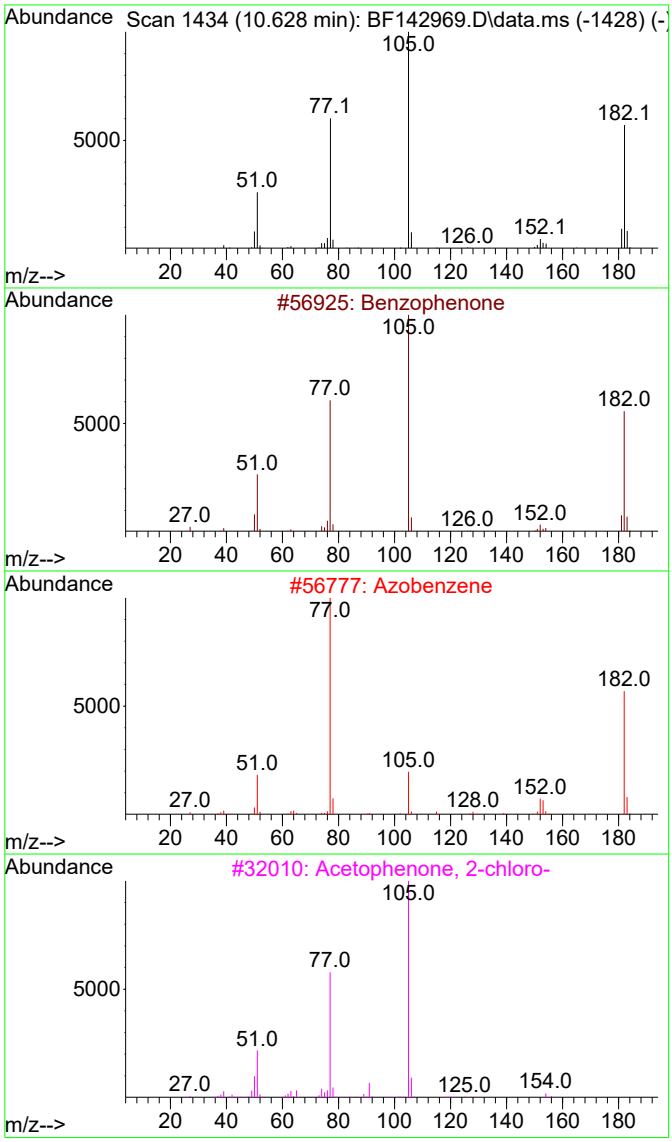
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TIC Integration Parameters: LSCINT.P

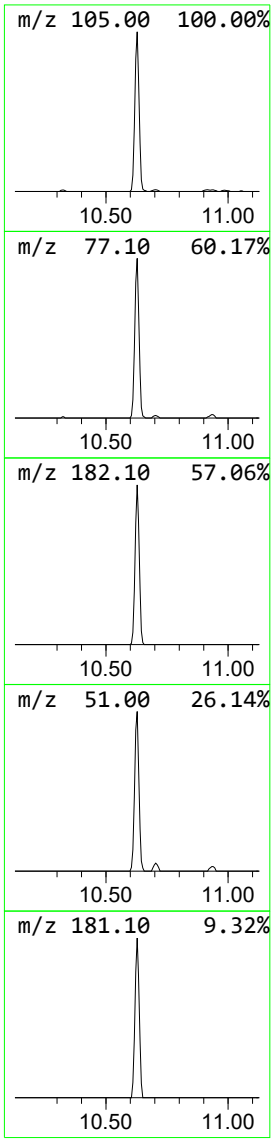
****

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	6.63 ng	145468	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	59
3	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
5	Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142969.D
Acq On : 02 Jul 2025 14:17
Operator : RC/JU
Sample : Q2458-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-67

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

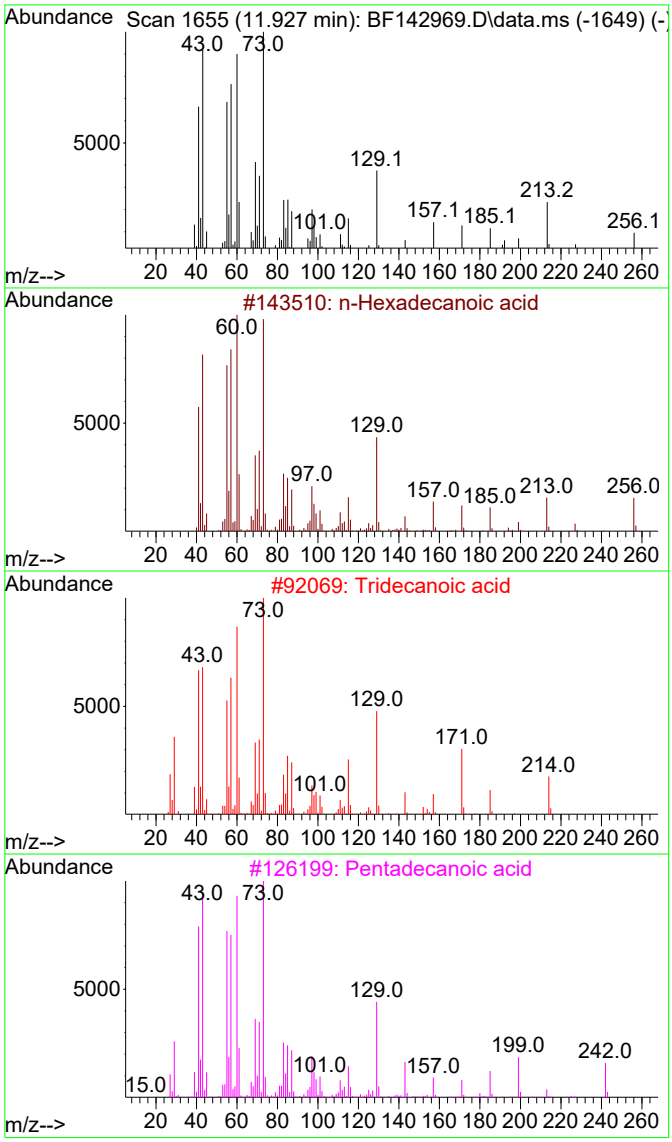
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

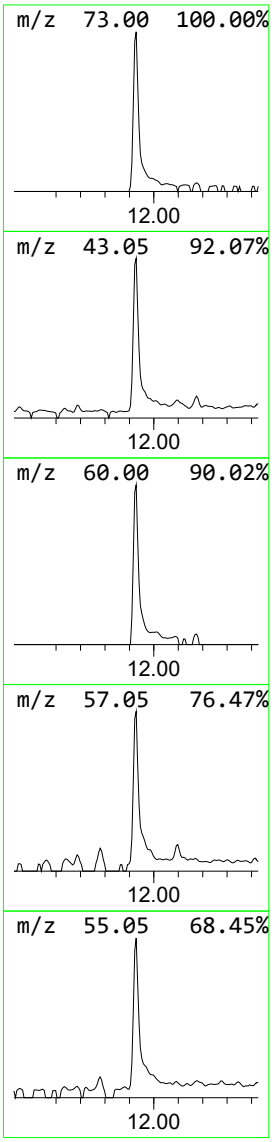
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.928	3.39 ng	78221	Phenanthrene-d10	11.404

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	95
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5	Isoamyl nitrite	117	C5H11NO2	000110-46-3	22





Sample Results: **BF142969.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142969.D
Acq On : 02 Jul 2025 14:17
Operator : RC/JU
Sample : Q2458-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-67

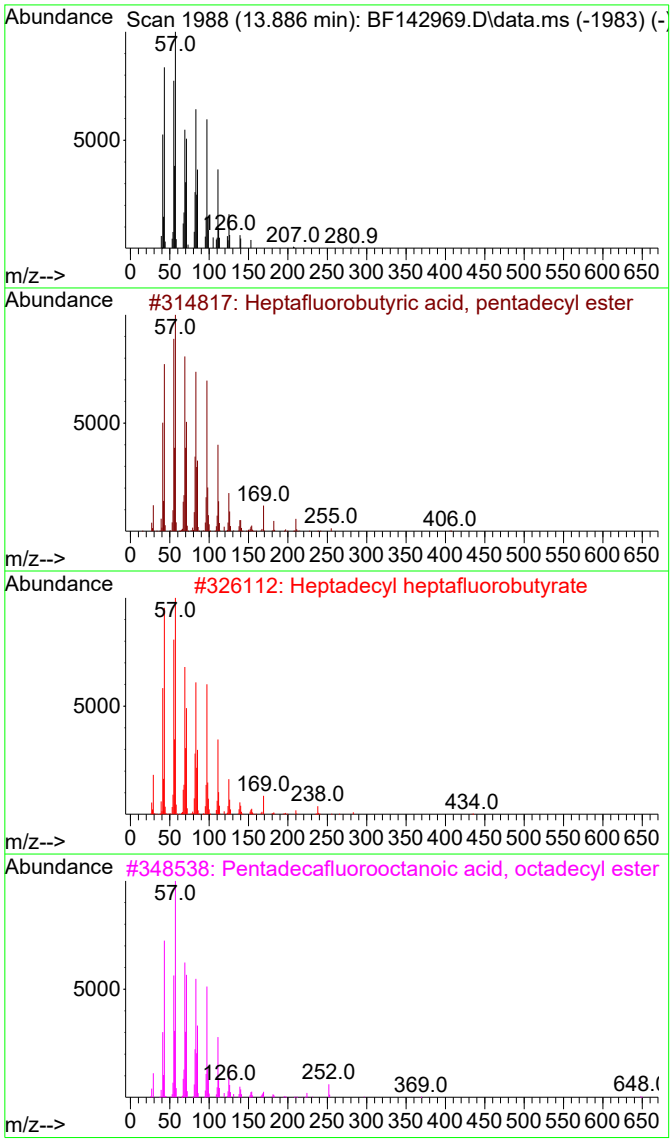
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

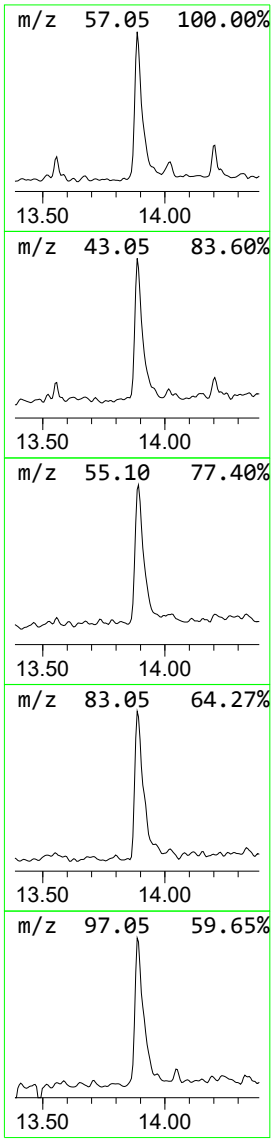
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Heptafluorobutyric acid, pe... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.886	5.54 ng	87991	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	95
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	95
3	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	95
4	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	95
5	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	94





Sample Results: **BF142969.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142969.D
Acq On : 02 Jul 2025 14:17
Operator : RC/JU
Sample : Q2458-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-67

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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-...	5.075	7.7	ng	113220	1	6.869	295980	20.0
Benzophenone	10.628	6.6	ng	145468	3	9.916	438644	20.0
n-Hexadecanoic ...	11.928	3.4	ng	78221	4	11.404	461891	20.0
Heptafluorobuty...	13.886	5.5	ng	87991	5	14.051	317616	20.0

Raw Data: **BF142977.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-66	SDG No.:	Q2458
Lab Sample ID:	Q2458-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142977.D	1	07/01/25 09:30	07/02/25 18:20	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	370	ug/Kg
108-95-2	Phenol	25.0	U	25.0	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	27.5	U	27.5	190	ug/Kg
95-57-8	2-Chlorophenol	27.6	U	27.6	190	ug/Kg
95-48-7	2-Methylphenol	33.8	U	33.8	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	42.4	U	42.4	190	ug/Kg
98-86-2	Acetophenone	33.3	U	33.3	190	ug/Kg
65794-96-9	3+4-Methylphenols	46.4	U	46.4	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	53.6	U	53.6	90.4	ug/Kg
67-72-1	Hexachloroethane	19.9	U	19.9	190	ug/Kg
98-95-3	Nitrobenzene	20.7	U	20.7	190	ug/Kg
78-59-1	Isophorone	37.1	U	37.1	190	ug/Kg
88-75-5	2-Nitrophenol	65.8	U	65.8	190	ug/Kg
105-67-9	2,4-Dimethylphenol	73.2	U	73.2	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	34.8	U	34.8	190	ug/Kg
120-83-2	2,4-Dichlorophenol	32.0	U	32.0	190	ug/Kg
91-20-3	Naphthalene	25.6	U	25.6	190	ug/Kg
106-47-8	4-Chloroaniline	40.0	U	40.0	190	ug/Kg
87-68-3	Hexachlorobutadiene	28.6	U	28.6	190	ug/Kg
105-60-2	Caprolactam	58.9	U	58.9	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32.4	U	32.4	190	ug/Kg
91-57-6	2-Methylnaphthalene	28.9	U	28.9	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.4	U	22.4	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	32.9	U	32.9	190	ug/Kg
92-52-4	1,1-Biphenyl	24.6	U	24.6	190	ug/Kg
91-58-7	2-Chloronaphthalene	25.4	U	25.4	190	ug/Kg
88-74-4	2-Nitroaniline	54.3	U	54.3	190	ug/Kg
131-11-3	Dimethylphthalate	30.6	U	30.6	190	ug/Kg

Raw Data: **BF142977.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-66	SDG No.:	Q2458
Lab Sample ID:	Q2458-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142977.D	1	07/01/25 09:30	07/02/25 18:20	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	32.7	U	32.7	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.0	U	38.0	190	ug/Kg
99-09-2	3-Nitroaniline	52.0	U	52.0	190	ug/Kg
83-32-9	Acenaphthene	24.1	U	24.1	190	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	370	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	370	ug/Kg
132-64-9	Dibenzofuran	25.6	U	25.6	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	56.6	U	56.6	190	ug/Kg
84-66-2	Diethylphthalate	32.0	U	32.0	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.2	U	30.2	190	ug/Kg
86-73-7	Fluorene	28.6	U	28.6	190	ug/Kg
100-01-6	4-Nitroaniline	72.5	U	72.5	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	37.2	U	37.2	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	31.4	U	31.4	190	ug/Kg
118-74-1	Hexachlorobenzene	28.6	U	28.6	190	ug/Kg
1912-24-9	Atrazine	38.4	U	38.4	190	ug/Kg
87-86-5	Pentachlorophenol	58.0	U	58.0	370	ug/Kg
85-01-8	Phenanthrene	120	J	23.6	190	ug/Kg
120-12-7	Anthracene	37.6	U	37.6	190	ug/Kg
86-74-8	Carbazole	35.3	U	35.3	190	ug/Kg
84-74-2	Di-n-butylphthalate	54.1	U	54.1	190	ug/Kg
206-44-0	Fluoranthene	620		33.9	190	ug/Kg
129-00-0	Pyrene	650		40.7	190	ug/Kg
85-68-7	Butylbenzylphthalate	80.7	UQ	80.7	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	41.5	U	41.5	370	ug/Kg
56-55-3	Benzo(a)anthracene	550		26.0	190	ug/Kg
218-01-9	Chrysene	570		22.5	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	66.9	U	66.9	190	ug/Kg
117-84-0	Di-n-octyl phthalate	98.1	U	98.1	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	770		21.5	190	ug/Kg

Raw Data: **BF142977.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-66	SDG No.:	Q2458
Lab Sample ID:	Q2458-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142977.D	1	07/01/25 09:30	07/02/25 18:20	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	240		25.3	190	ug/Kg
50-32-8	Benzo(a)pyrene	540		33.3	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	170	J	32.9	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.0	U	31.0	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	210		29.0	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	28.9	U	28.9	190	ug/Kg
123-91-1	1,4-Dioxane	51.1	U	51.1	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.0	U	31.0	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	69.3		18 - 112	46%	SPK: 150
13127-88-3	Phenol-d6	71.3		15 - 107	48%	SPK: 150
4165-60-0	Nitrobenzene-d5	44.3		18 - 107	44%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.9		20 - 109	42%	SPK: 100
118-79-6	2,4,6-Tribromophenol	64.0		10 - 116	43%	SPK: 150
1718-51-0	Terphenyl-d14	28.5		10 - 105	28%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	55700	6.869			
1146-65-2	Naphthalene-d8	210000	8.157			
15067-26-2	Acenaphthene-d10	106000	9.91			
1517-22-2	Phenanthrene-d10	155000	11.404			
1719-03-5	Chrysene-d12	111000	14.051			
1520-96-3	Perylene-d12	102000	15.539			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	200	AB		5.08	ug/Kg
000119-61-9	Benzophenone	180	J		10.6	ug/Kg
000610-48-0	Anthracene, 1-methyl-	77.2	J		11.9	ug/Kg
000613-12-7	Anthracene, 2-methyl-	160	J		11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	130	J		12.0	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	170	J		12.5	ug/Kg
001576-67-6	Phenanthrene, 3,6-dimethyl-	100	J		12.5	ug/Kg

Raw Data: **BF142977.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-66	SDG No.:	Q2458
Lab Sample ID:	Q2458-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142977.D	1	07/01/25 09:30	07/02/25 18:20	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown12.545	97.2	J		12.5	ug/Kg
002381-21-7	Pyrene, 1-methyl-	120	J		13.1	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	160	J		13.2	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	82.5	J		13.2	ug/Kg
003442-78-2	Pyrene, 2-methyl-	110	J		13.3	ug/Kg
003353-12-6	Pyrene, 4-methyl-	81.7	J		13.4	ug/Kg
000479-79-8	11H-Benzo[a]fluoren-11-one	82.9	J		13.7	ug/Kg
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	93.0	J		13.8	ug/Kg
080252-14-8	6H-Benz[de]anthracen-6-one	110	J		13.9	ug/Kg
002541-69-7	Benz[a]anthracene, 7-methyl-	130	J		14.4	ug/Kg
000198-55-0	Perylene	76.1	J		15.2	ug/Kg
000192-97-2	Benzo[e]pyrene	410	J		15.4	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\BF070225\
Data File : BF142977.D
Acq On : 02 Jul 2025 18:20
Operator : RC/JU
Sample : Q2458-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-66

Quant Time: Jul 02 18:40:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

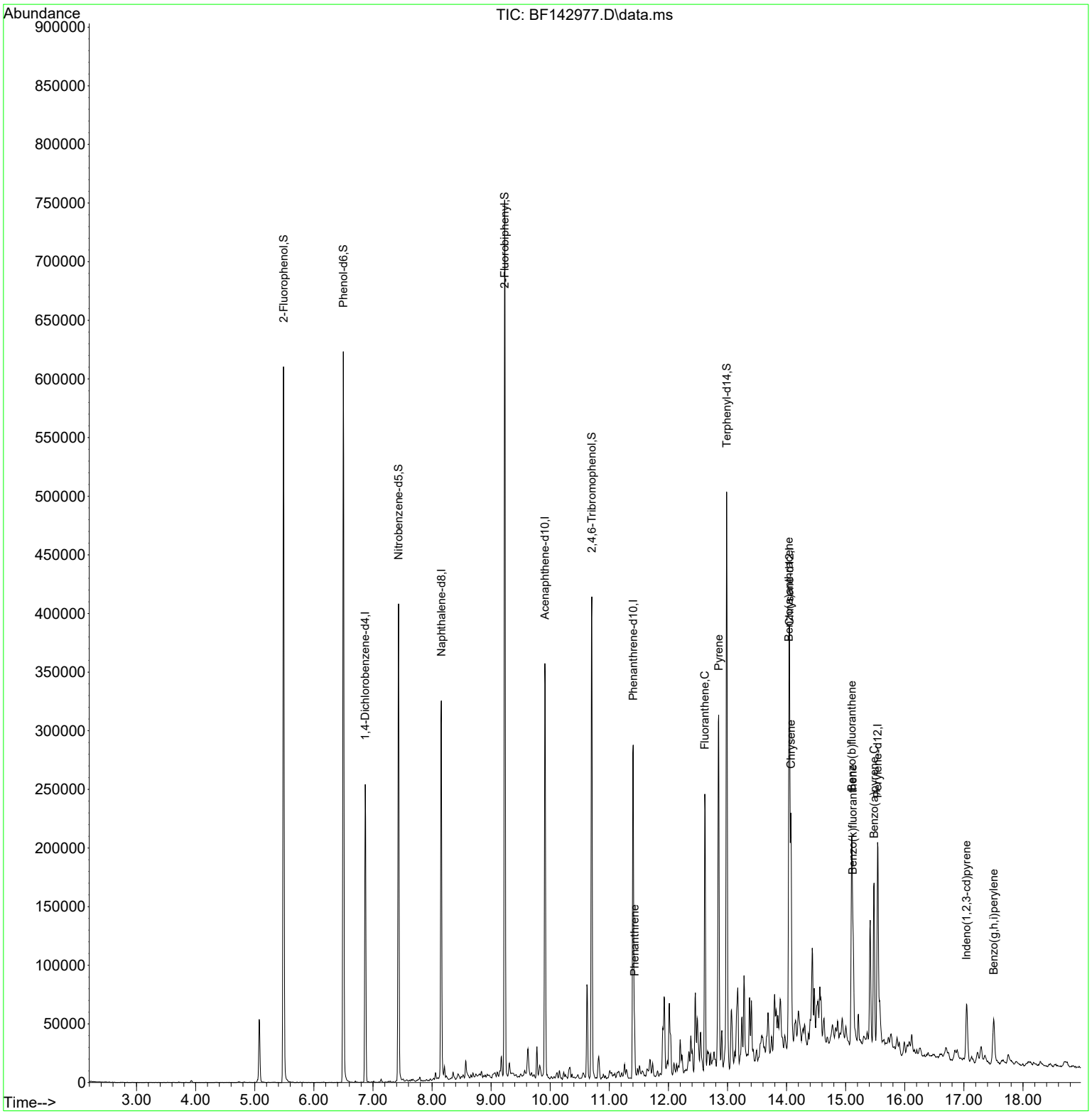
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	55670	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	209987	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	105779	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	154994	20.000	ng	0.00
76) Chrysene-d12	14.051	240	110689	20.000	ng	0.00
86) Perylene-d12	15.539	264	101919	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	231772	69.316	ng	0.00
7) Phenol-d6	6.498	99	281451	71.345	ng	-0.01
23) Nitrobenzene-d5	7.434	82	169665	44.318	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	69711	64.041	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	337312	41.891	ng	-0.02
79) Terphenyl-d14	12.986	244	228076	28.470	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.428	178	27035	3.220	ng	98
75) Fluoranthene	12.616	202	130342	16.358	ng	99
78) Pyrene	12.851	202	179849	17.334	ng	99
81) Benzo(a)anthracene	14.039	228	109600	14.678	ng	95
83) Chrysene	14.074	228	100071	15.019	ng	98
87) Indeno(1,2,3-cd)pyrene	17.045	276	34234	4.410	ng	96
88) Benzo(b)fluoranthene	15.104	252	120161m	20.375	ng	
89) Benzo(k)fluoranthene	15.121	252	35508m	6.435	ng	
90) Benzo(a)pyrene	15.480	252	82011	14.395	ng	98
92) Benzo(g,h,i)perylene	17.504	276	35460	5.638	ng	99

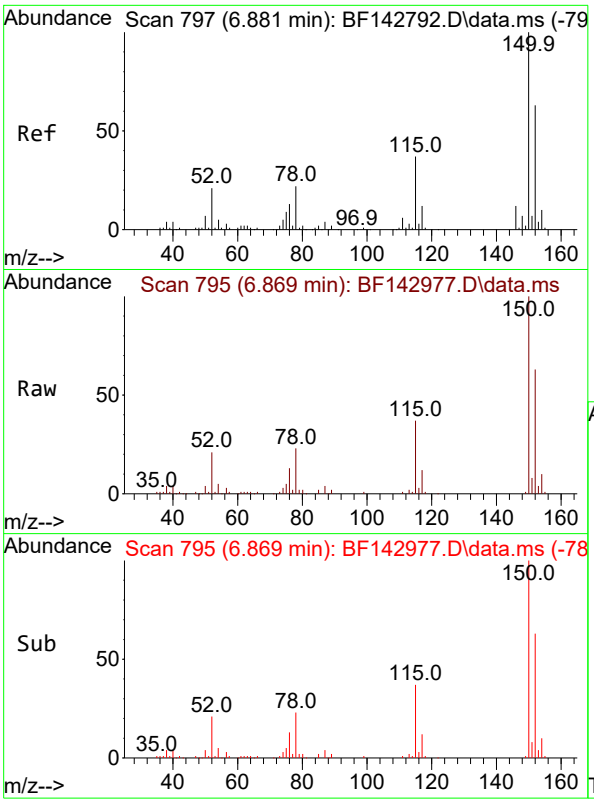
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142977.D
Acq On : 02 Jul 2025 18:20
Operator : RC/JU
Sample : Q2458-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-66

Quant Time: Jul 02 18:40:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



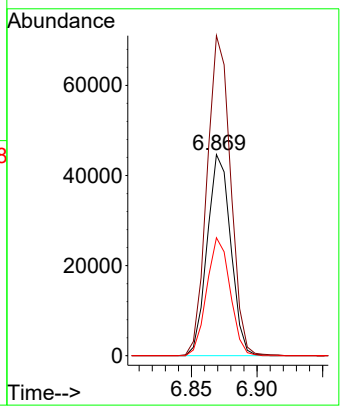


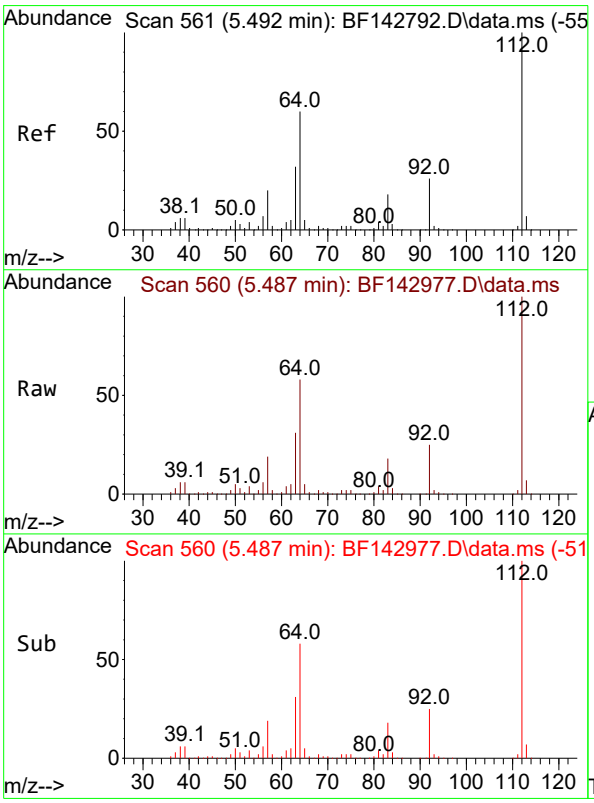
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Instrument :
BNA_F
ClientSampleId :
TP-66

Tgt Ion:152 Resp: 55670

Ion	Ratio	Lower	Upper
152	100		
150	159.1	127.2	190.8
115	58.6	46.6	69.8

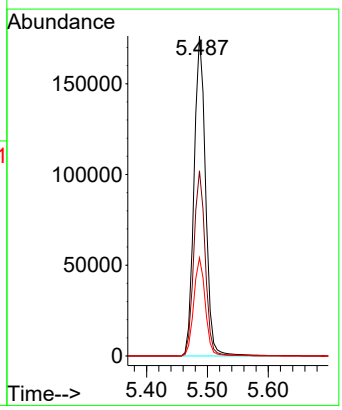


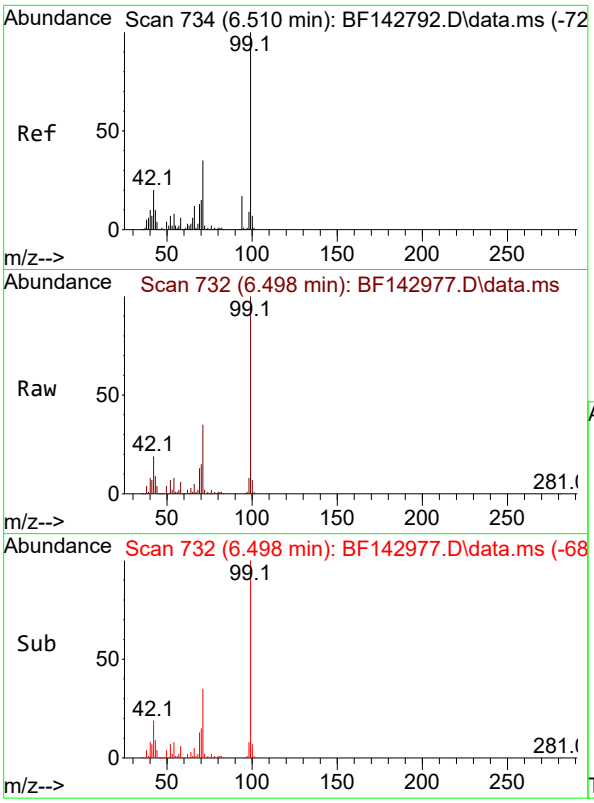


#5
2-Fluorophenol
Concen: 69.316 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Tgt Ion:112 Resp: 231772

Ion	Ratio	Lower	Upper
112	100		
64	57.8	48.2	72.2
63	30.7	25.7	38.5



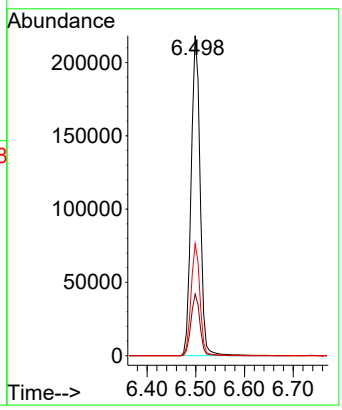


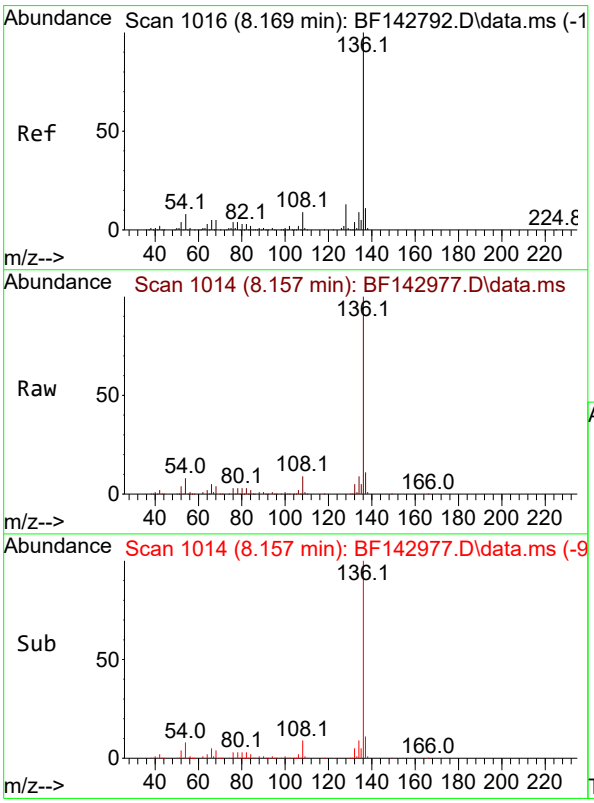
#7
Phenol-d6
Concen: 71.345 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Instrument :
BNA_F
ClientSampleId :
TP-66

Tgt Ion: 99 Resp: 281451

Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.9	23.9
71	34.9	27.8	41.8

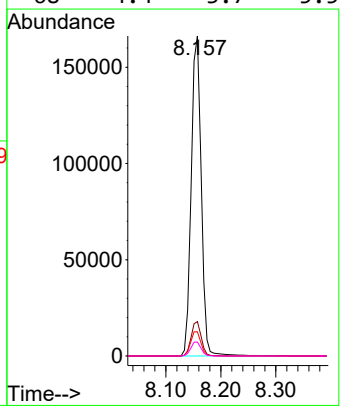


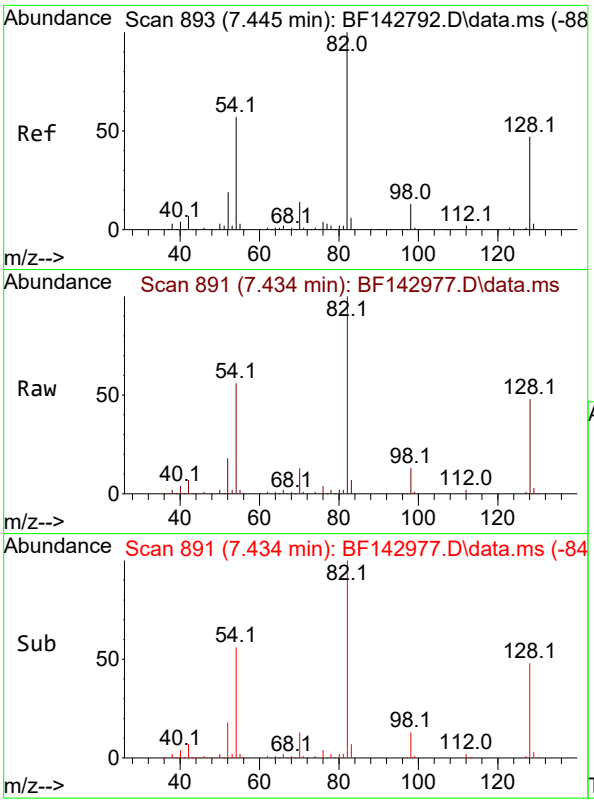


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Tgt Ion:136 Resp: 209987

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.5	6.3	9.5
68	4.4	3.7	5.5



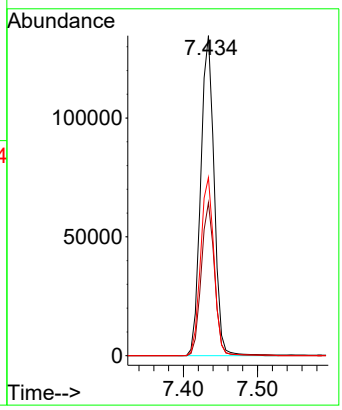


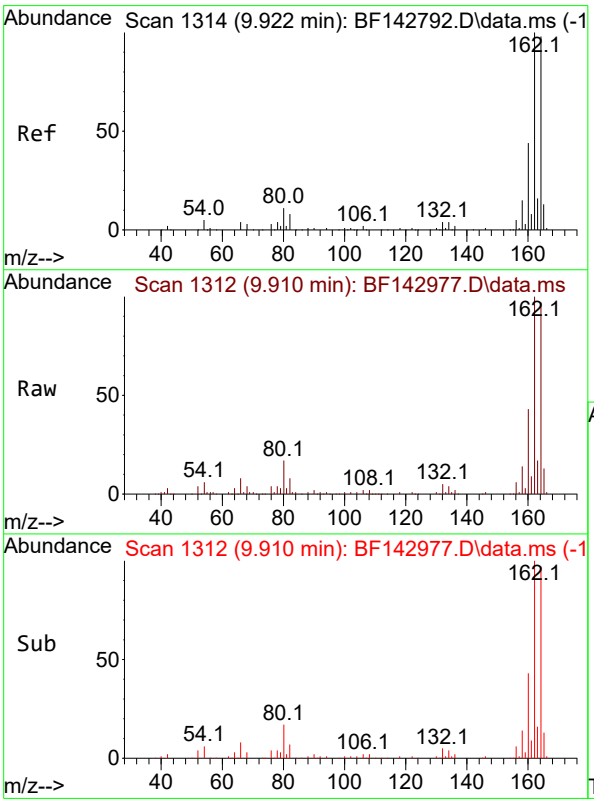
#23
Nitrobenzene-d5
Concen: 44.318 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Instrument :
BNA_F
ClientSampleId :
TP-66

Tgt Ion: 82 Resp: 169665

Ion	Ratio	Lower	Upper
82	100		
128	47.8	37.7	56.5
54	55.7	45.7	68.5

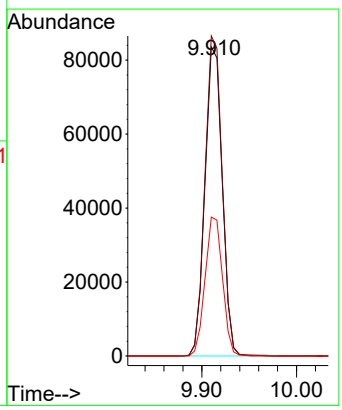


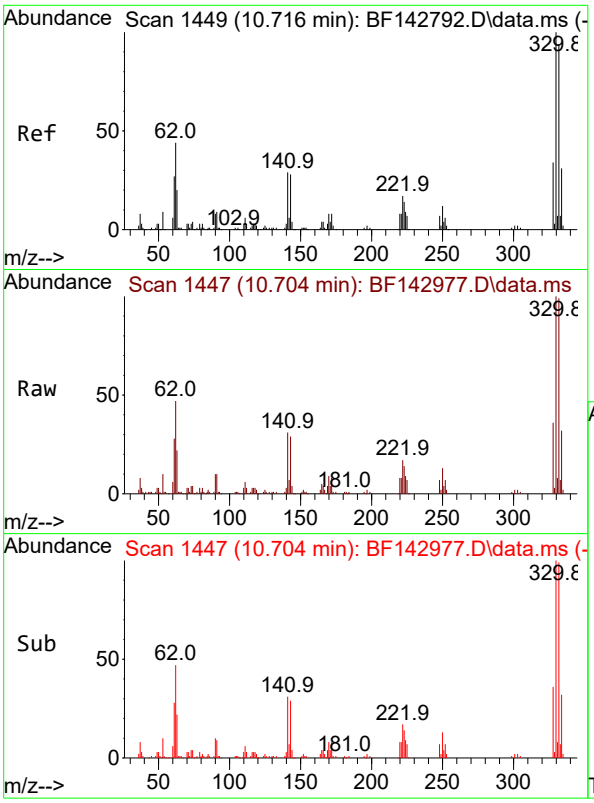


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Tgt Ion:164 Resp: 105779

Ion	Ratio	Lower	Upper
164	100		
162	103.6	81.8	122.8
160	45.0	36.0	54.0



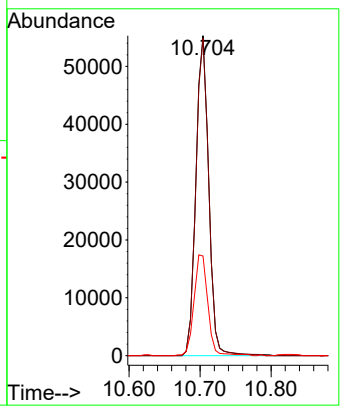


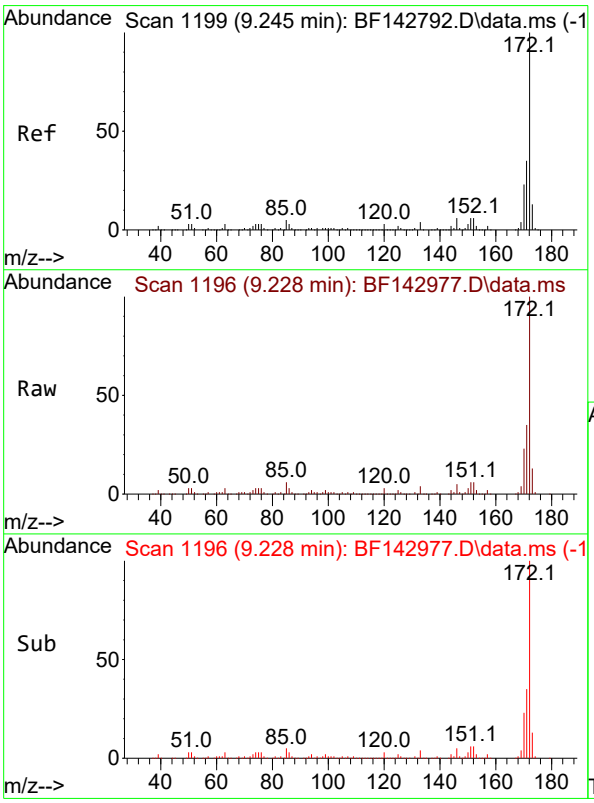
#42
2,4,6-Tribromophenol
Concen: 64.041 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Instrument :
BNA_F
ClientSampleId :
TP-66

Tgt Ion:330 Resp: 69711

Ion	Ratio	Lower	Upper
330	100		
332	99.2	75.0	112.6
141	33.9	25.3	37.9

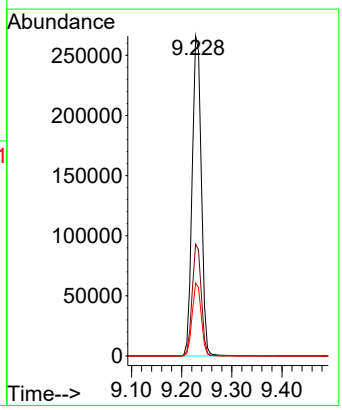


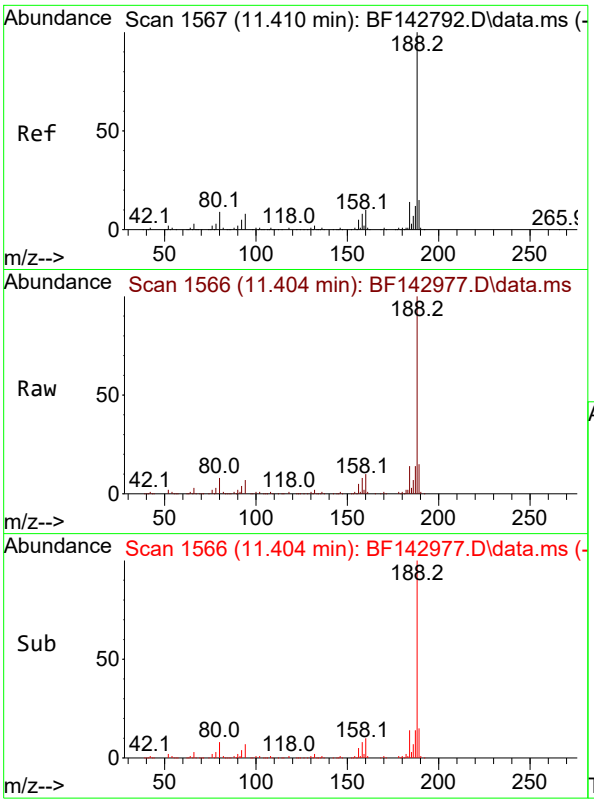


#45
2-Fluorobiphenyl
Concen: 41.891 ng
RT: 9.228 min Scan# 1196
Delta R.T. -0.017 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Tgt Ion:172 Resp: 337312

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.2	42.4
170	22.8	18.5	27.7



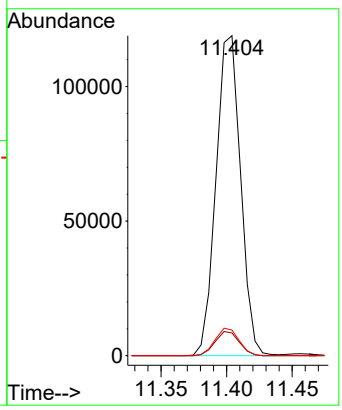


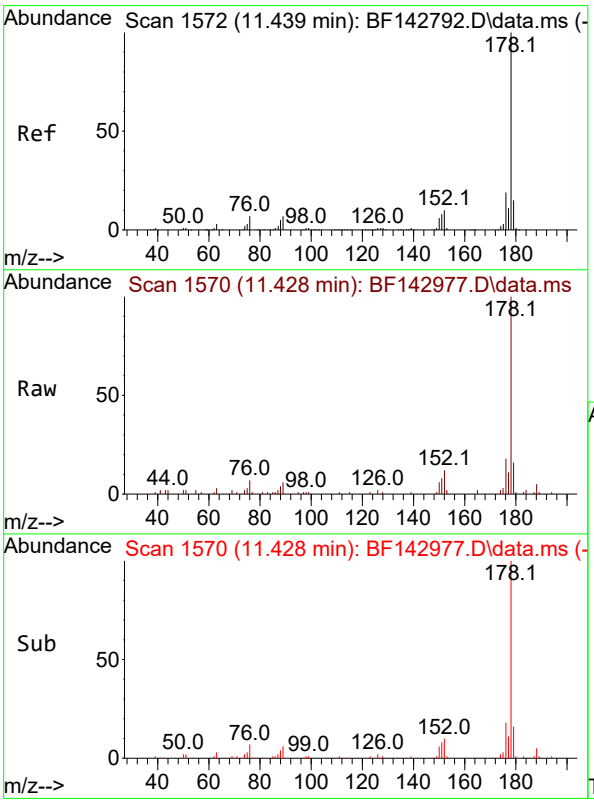
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Instrument :
BNA_F
ClientSampleId :
TP-66

Tgt Ion:188 Resp: 154994

Ion	Ratio	Lower	Upper
188	100		
94	7.1	6.7	10.1
80	8.0	6.9	10.3

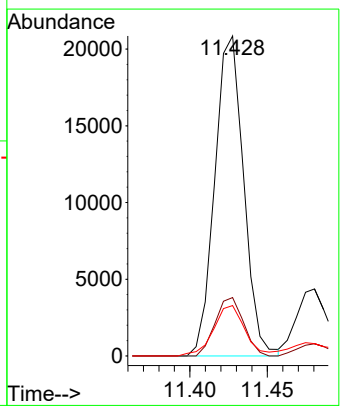


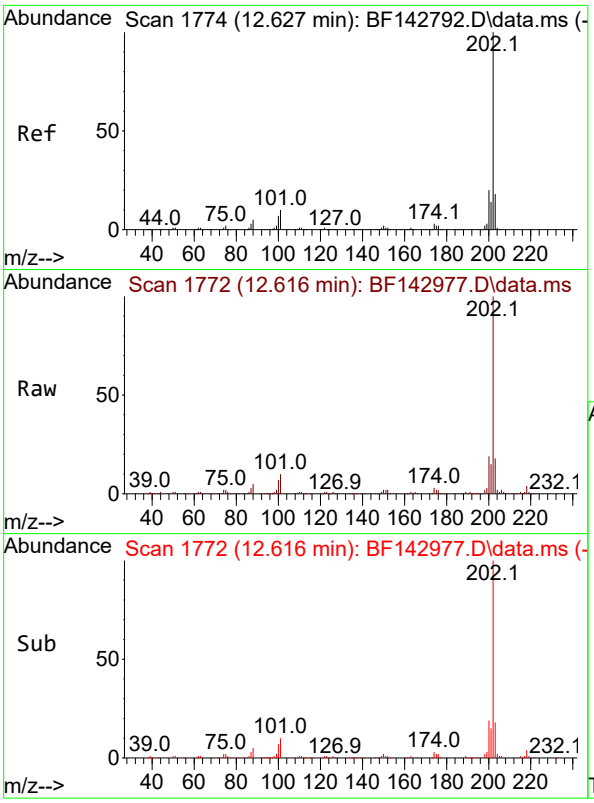


#71
Phenanthrene
Concen: 3.220 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Tgt Ion:178 Resp: 27035

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.1	22.7
179	15.7	12.0	18.0



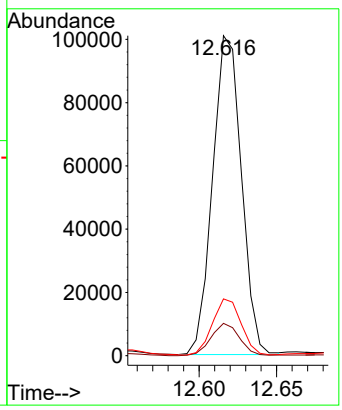


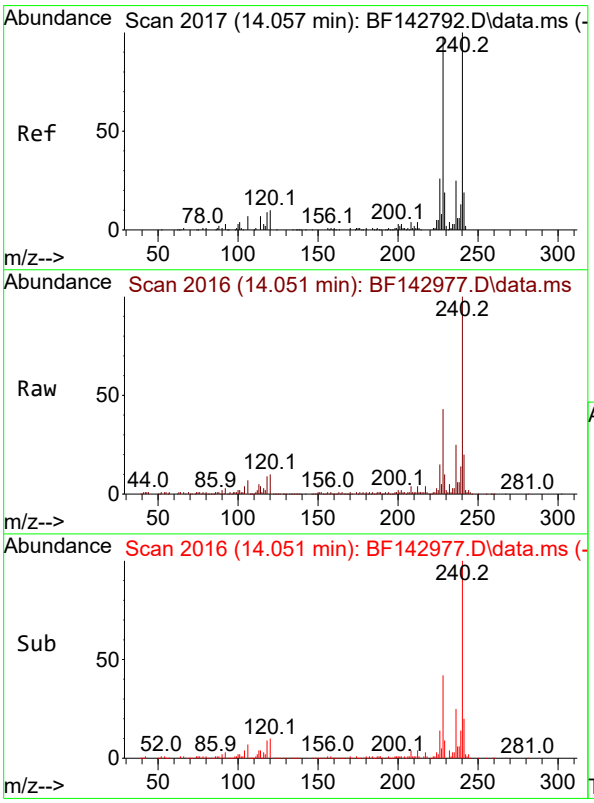
#75
Fluoranthene
Concen: 16.358 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Instrument :
BNA_F
ClientSampleId :
TP-66

Tgt Ion:202 Resp: 130342

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	29.7
203	17.8	0.0	37.5

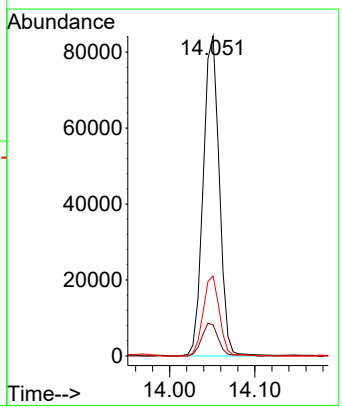


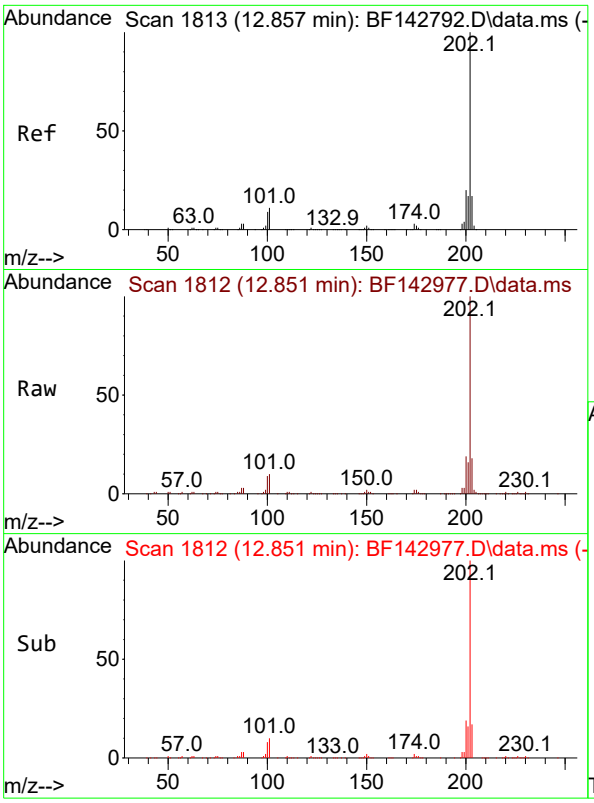


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Tgt Ion:240 Resp: 110689

Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.2	12.2
236	25.0	19.8	29.8



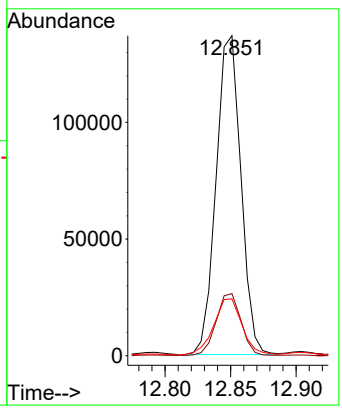


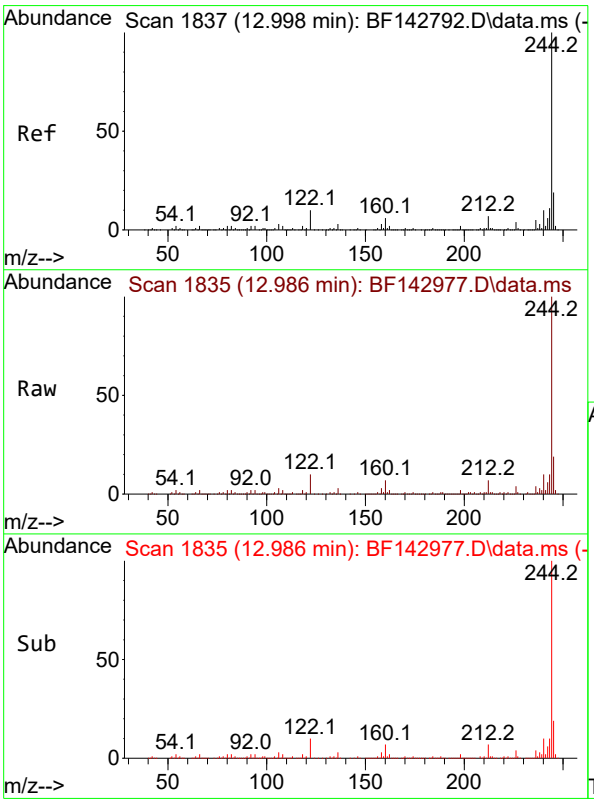
#78
Pyrene
Concen: 17.334 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Instrument :
BNA_F
ClientSampleId :
TP-66

Tgt Ion:202 Resp: 179849

Ion	Ratio	Lower	Upper
202	100		
200	19.4	15.7	23.5
203	17.8	13.8	20.6

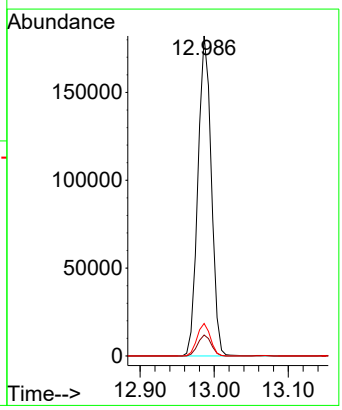


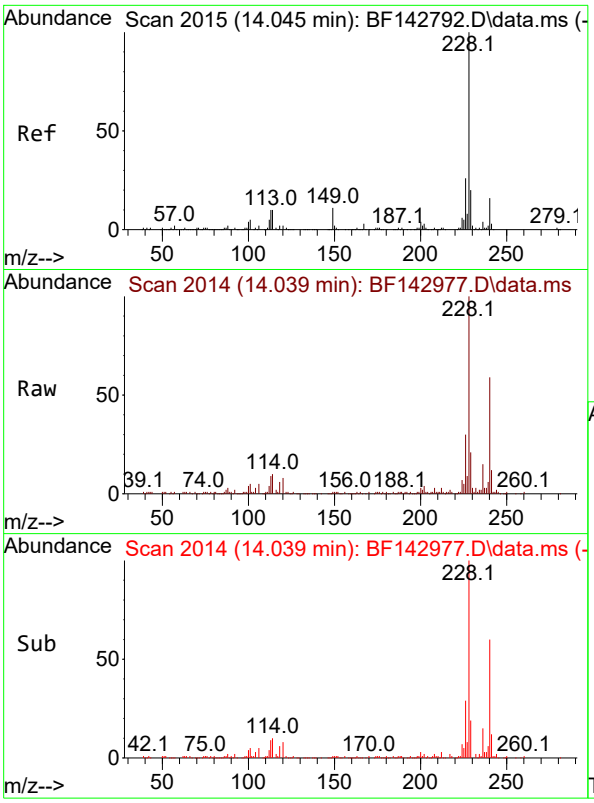


#79
Terphenyl-d14
Concen: 28.470 ng
RT: 12.986 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Tgt Ion:244 Resp: 228076

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.1	8.2	12.2



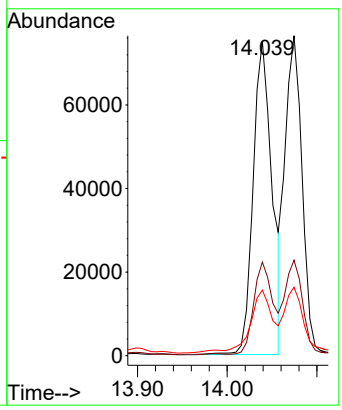


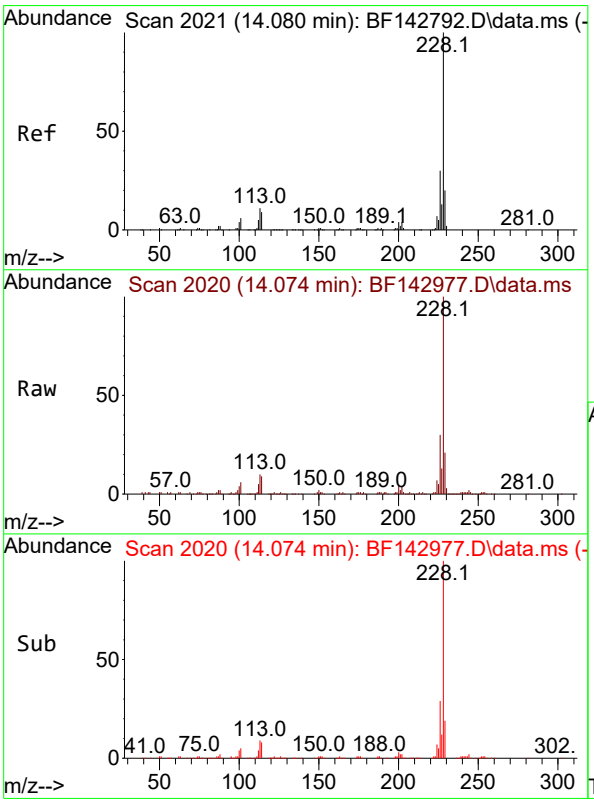
#81
Benzo(a)anthracene
Concen: 14.678 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Instrument :
BNA_F
ClientSampleId :
TP-66

Tgt Ion:228 Resp: 109600

Ion	Ratio	Lower	Upper
228	100		
226	29.8	21.2	31.8
229	20.9	15.6	23.4

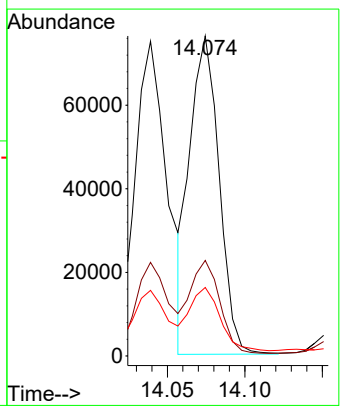


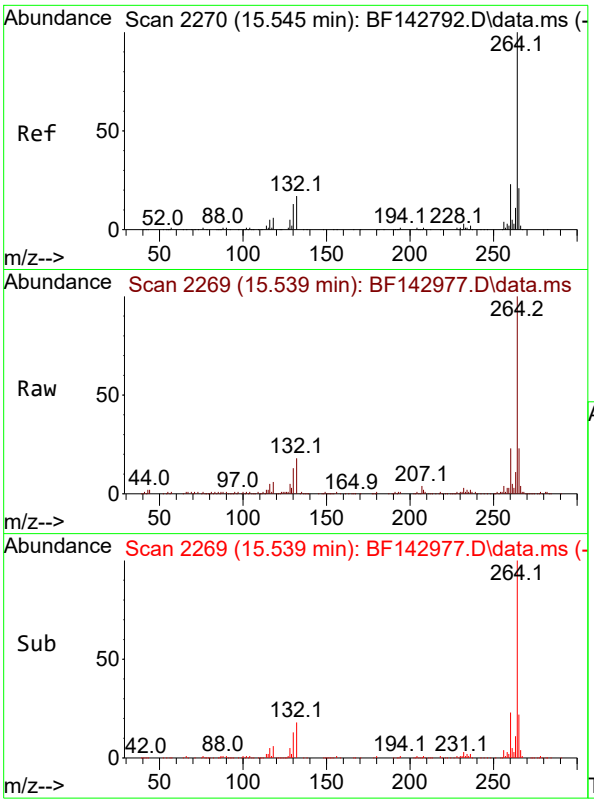


#83
Chrysene
Concen: 15.019 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Tgt Ion:228 Resp: 100071

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.7	35.5
229	21.4	15.7	23.5



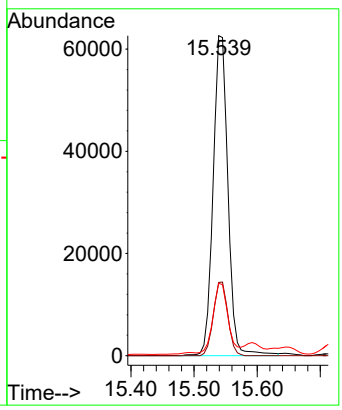


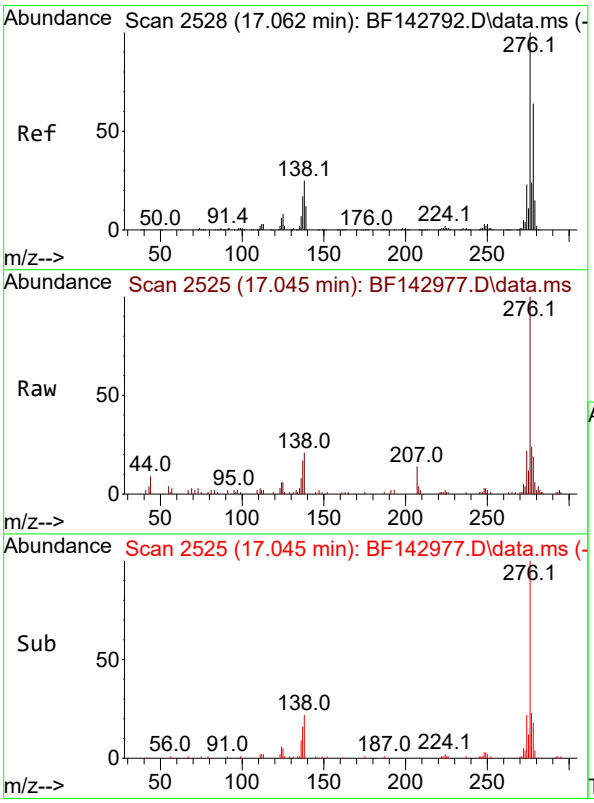
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Instrument :
BNA_F
ClientSampleId :
TP-66

Tgt Ion:264 Resp: 101919

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.1	27.1
265	22.6	16.6	25.0

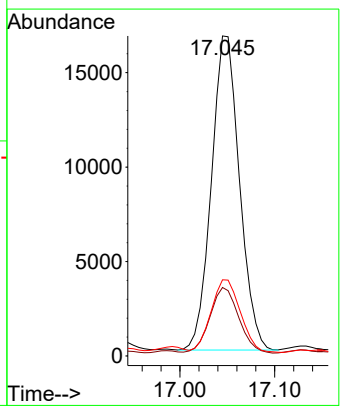


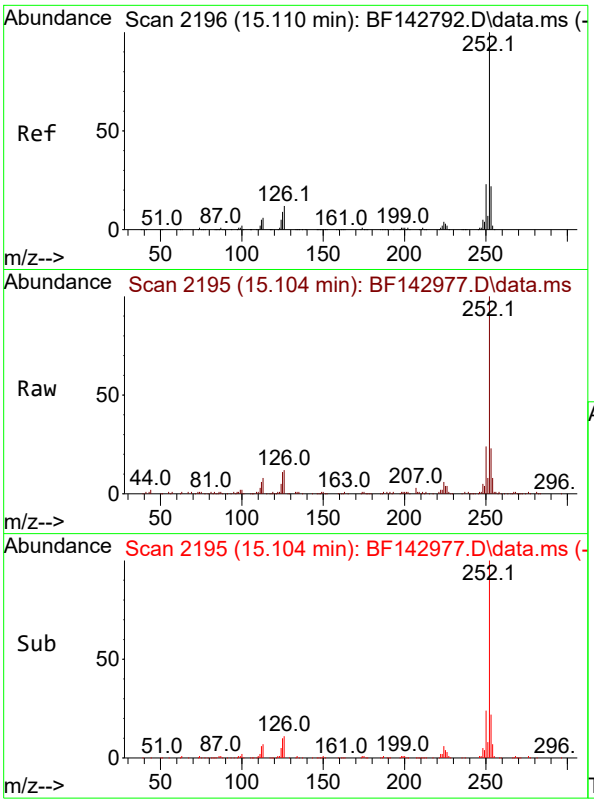


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.410 ng
RT: 17.045 min Scan# 2525
Delta R.T. -0.017 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Tgt Ion:276 Resp: 34234

Ion	Ratio	Lower	Upper
276	100		
138	21.4	20.2	30.4
277	24.2	19.8	29.6



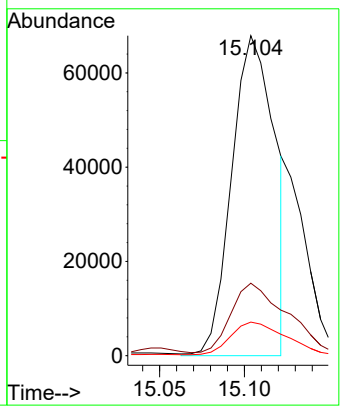


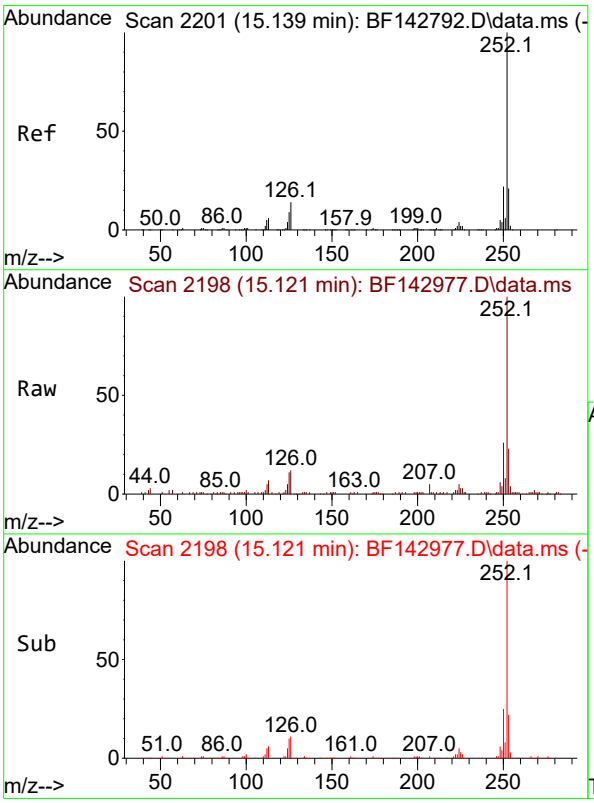
#88
Benzo(b)fluoranthene
Concen: 20.375 ng m
RT: 15.104 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Instrument :
BNA_F
ClientSampleId :
TP-66

Tgt Ion:252 Resp: 120161

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	10.5	7.4	11.0

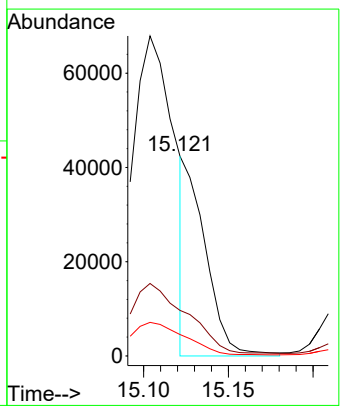


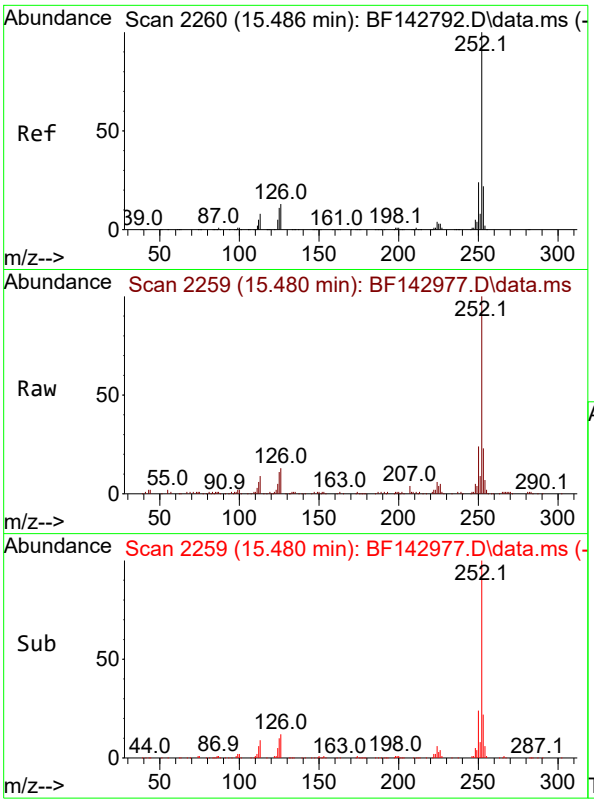


#89
Benzo(k)fluoranthene
Concen: 6.435 ng m
RT: 15.121 min Scan# 2198
Delta R.T. -0.017 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Tgt Ion:252 Resp: 35508

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	10.7	7.4	11.2



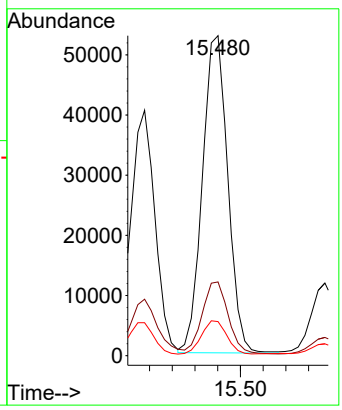


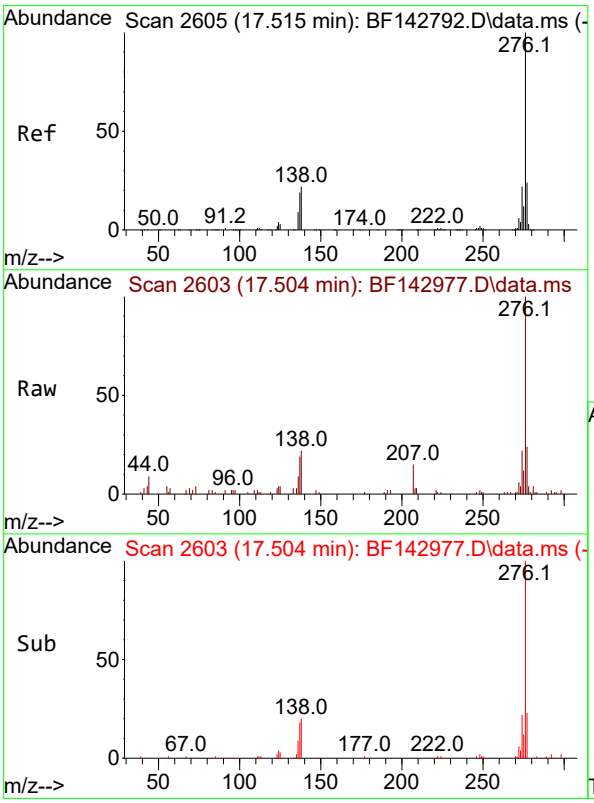
#90
Benzo(a)pyrene
Concen: 14.395 ng
RT: 15.480 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Instrument :
BNA_F
ClientSampleId :
TP-66

Tgt Ion:252 Resp: 82011

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	10.7	8.6	12.8

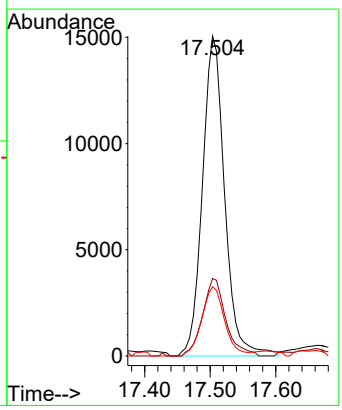




#92
Benzo(g,h,i)perylene
Concen: 5.638 ng
RT: 17.504 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Tgt Ion:276 Resp: 35460

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.8	28.2
138	21.6	17.6	26.4



Sample Results: **BF142977.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142977.D
Acq On : 02 Jul 2025 18:20
Operator : RC/JU
Sample : Q2458-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-66

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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142977.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.075	480	490	501	rBV	53934	83031	8.94%	0.741%
2	5.487	555	560	578	rBV	610582	795037	85.58%	7.099%
3	6.498	727	732	754	rBV	623223	801725	86.30%	7.158%
4	6.869	790	795	802	rBV	253740	312367	33.62%	2.789%
5	7.434	886	891	901	rBV	406702	508500	54.74%	4.540%
6	8.157	1006	1014	1020	rBV	322185	412541	44.41%	3.683%
7	8.210	1020	1023	1026	rVB	9342	10527	1.13%	0.094%
8	8.357	1045	1048	1055	rVB4	6162	9819	1.06%	0.088%
9	8.440	1055	1062	1068	rBV7	4728	11148	1.20%	0.100%
10	8.569	1080	1084	1096	rVB	14787	25086	2.70%	0.224%
11	9.063	1159	1168	1172	rBV7	4525	14312	1.54%	0.128%
12	9.175	1184	1187	1191	rVB2	16225	20108	2.16%	0.180%
13	9.228	1191	1196	1201	rBV	746809	929010	100.00%	8.295%
14	9.310	1205	1210	1214	rBV2	11090	17306	1.86%	0.155%
15	9.622	1258	1263	1270	rVB5	22551	39028	4.20%	0.348%
16	9.775	1285	1289	1293	rBV	26737	33757	3.63%	0.301%
17	9.822	1293	1297	1303	rVV2	9728	17640	1.90%	0.158%
18	9.910	1307	1312	1317	rVB	351060	441580	47.53%	3.943%
19	10.333	1377	1384	1387	rBV3	9513	19408	2.09%	0.173%
20	10.557	1417	1422	1428	rBV2	4539	9451	1.02%	0.084%
21	10.622	1428	1433	1440	rVB	80190	106949	11.51%	0.955%
22	10.704	1441	1447	1457	rVV	411100	538500	57.96%	4.808%
23	10.822	1461	1467	1473	rVB3	19218	34551	3.72%	0.308%
24	11.010	1494	1499	1502	rBV5	6176	11354	1.22%	0.101%
25	11.257	1537	1541	1544	rBV2	10105	13631	1.47%	0.122%
26	11.286	1544	1546	1553	rVB5	7476	11974	1.29%	0.107%
27	11.404	1561	1566	1575	rBV2	284341	433820	46.70%	3.873%
28	11.639	1602	1606	1610	rBV3	6288	12313	1.33%	0.110%
29	11.686	1610	1614	1618	rVV4	13814	24412	2.63%	0.218%
30	11.733	1618	1622	1630	rVB	11451	17306	1.86%	0.155%
31	11.904	1646	1651	1652	rBV	39757	44491	4.79%	0.397%
32	11.928	1652	1655	1661	rVB2	61335	91372	9.84%	0.816%
33	12.016	1666	1670	1673	rBV2	51927	77715	8.37%	0.694%
34	12.092	1679	1683	1688	rBV4	10039	16951	1.82%	0.151%
35	12.198	1698	1701	1704	rBV	24029	31187	3.36%	0.278%
36	12.227	1704	1706	1711	rVB2	15262	20618	2.22%	0.184%

Sample Results: **BF142977.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142977.D
Acq On : 02 Jul 2025 18:20
Operator : RC/JU
Sample : Q2458-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-66

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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.345	1720	1726	1729	rBV2	15968	27324	2.94%	0.244%
38	12.380	1729	1732	1735	rBV	21904	25472	2.74%	0.227%
39	12.457	1740	1745	1748	rBV	67082	99933	10.76%	0.892%
40	12.486	1748	1750	1757	rVB2	37248	59203	6.37%	0.529%
41	12.545	1757	1760	1768	rVB4	32600	55916	6.02%	0.499%
42	12.616	1768	1772	1777	rBV	235661	304191	32.74%	2.716%
43	12.663	1777	1780	1781	rBV	12087	12705	1.37%	0.113%
44	12.716	1786	1789	1792	rBV	10051	10742	1.16%	0.096%
45	12.851	1805	1812	1817	rBV	299753	448795	48.31%	4.007%
46	12.904	1817	1821	1825	rVB2	30876	39829	4.29%	0.356%
47	12.986	1825	1835	1843	rVB	491935	674273	72.58%	6.020%
48	13.069	1843	1849	1855	rBV3	50154	97332	10.48%	0.869%
49	13.122	1855	1858	1860	rBV2	9580	11200	1.21%	0.100%
50	13.174	1860	1867	1871	rVB	64462	134247	14.45%	1.199%
51	13.245	1871	1879	1882	rBV	39410	67284	7.24%	0.601%
52	13.280	1882	1885	1892	rVB2	68772	91035	9.80%	0.813%
53	13.374	1897	1901	1904	rBV	49203	66712	7.18%	0.596%
54	13.404	1904	1906	1910	rVB	42855	42764	4.60%	0.382%
55	13.492	1917	1921	1924	rBV2	9218	11476	1.24%	0.102%
56	13.686	1946	1954	1959	rVB2	34586	67572	7.27%	0.603%
57	13.745	1961	1964	1967	rBV	12505	14613	1.57%	0.130%
58	13.798	1967	1973	1975	rBV2	47906	75945	8.17%	0.678%
59	13.851	1980	1982	1985	rVV2	28516	40389	4.35%	0.361%
60	13.892	1985	1989	1999	rVB5	41724	90043	9.69%	0.804%
61	13.969	1999	2002	2008	rVB4	11351	17583	1.89%	0.157%
62	14.045	2008	2015	2018	rBV2	360602	614556	66.15%	5.487%
63	14.074	2018	2020	2027	rVV	196933	243064	26.16%	2.170%
64	14.151	2027	2033	2037	rVV3	18829	43847	4.72%	0.391%
65	14.198	2038	2041	2050	rVB5	25389	60067	6.47%	0.536%
66	14.398	2072	2075	2077	rBV3	16843	22249	2.39%	0.199%
67	14.433	2077	2081	2085	rVV	70734	104398	11.24%	0.932%
68	14.469	2085	2087	2091	rVB	33853	35195	3.79%	0.314%
69	14.527	2091	2097	2100	rBV4	22935	50742	5.46%	0.453%
70	14.563	2100	2103	2105	rBV2	26749	32446	3.49%	0.290%
71	14.633	2111	2115	2121	rVB2	20307	33347	3.59%	0.298%
72	14.939	2164	2167	2174	rVB3	16658	27948	3.01%	0.250%
73	15.104	2189	2195	2210	rBV	178017	420629	45.28%	3.756%
74	15.216	2210	2214	2218	rVV	22497	28717	3.09%	0.256%
75	15.416	2243	2248	2253	rVB	103381	156162	16.81%	1.394%
76	15.480	2253	2259	2264	rBV	135224	207441	22.33%	1.852%

Sample Results: **BF142977.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142977.D
Acq On : 02 Jul 2025 18:20
Operator : RC/JU
Sample : Q2458-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-66

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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	15.539	2264	2269	2274	rBV	168956	284819	30.66%	2.543%
78	15.992	2342	2346	2350	rBV3	8942	13326	1.43%	0.119%
79	16.115	2364	2367	2372	rVB	14357	22853	2.46%	0.204%
80	17.045	2519	2525	2534	rVB2	48618	105871	11.40%	0.945%
81	17.292	2562	2567	2574	rVB2	10627	20309	2.19%	0.181%
82	17.504	2597	2603	2612	rVB	35249	76443	8.23%	0.683%
83	17.751	2642	2645	2653	rVB2	5411	10238	1.10%	0.091%

Sum of corrected areas: 11199770

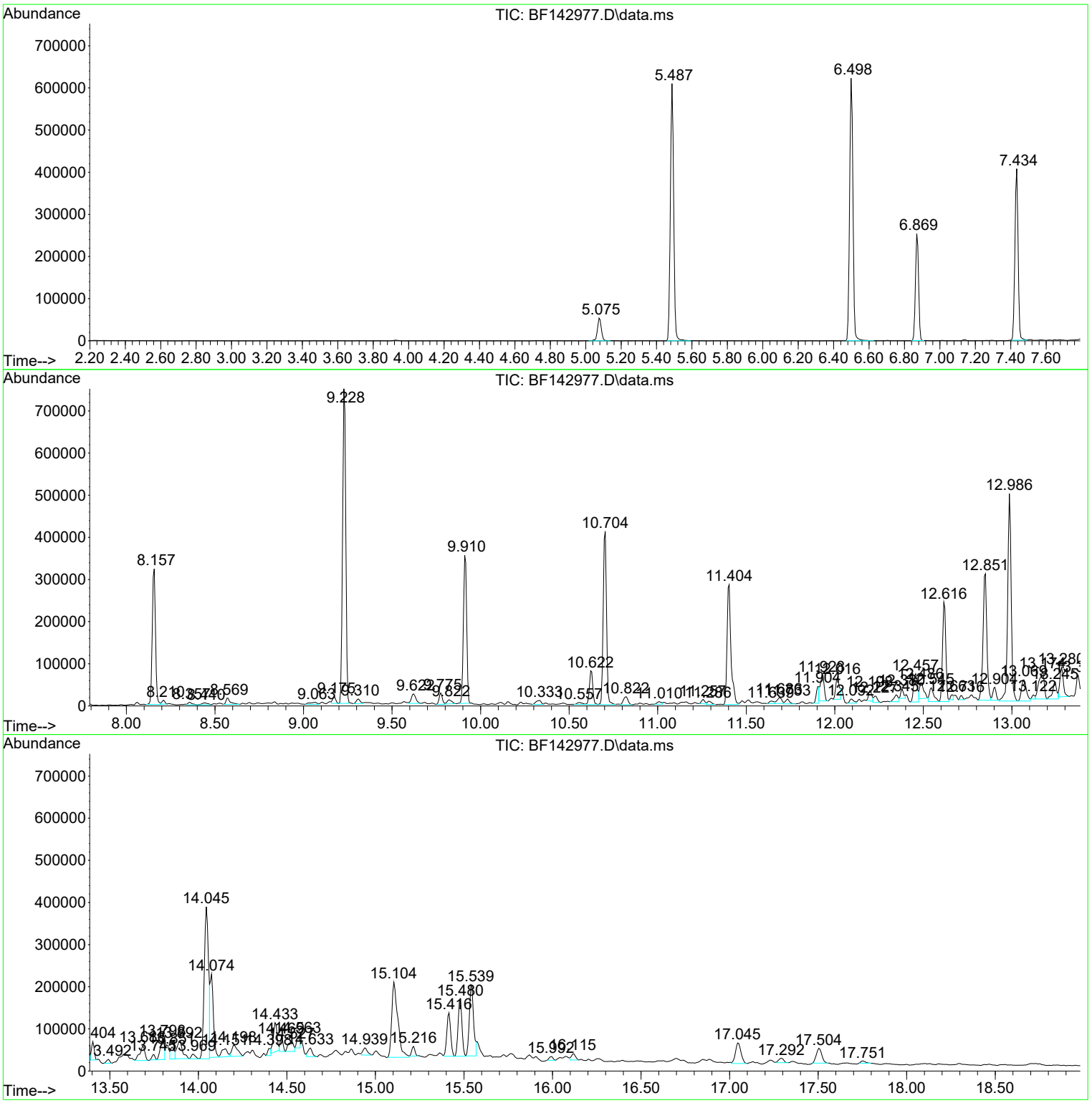
Sample Results: **BF142977.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142977.D
Acq On : 02 Jul 2025 18:20
Operator : RC/JU
Sample : Q2458-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-66

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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\BF070225\
Data File : BF142977.D
Acq On : 02 Jul 2025 18:20
Operator : RC/JU
Sample : Q2458-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-66

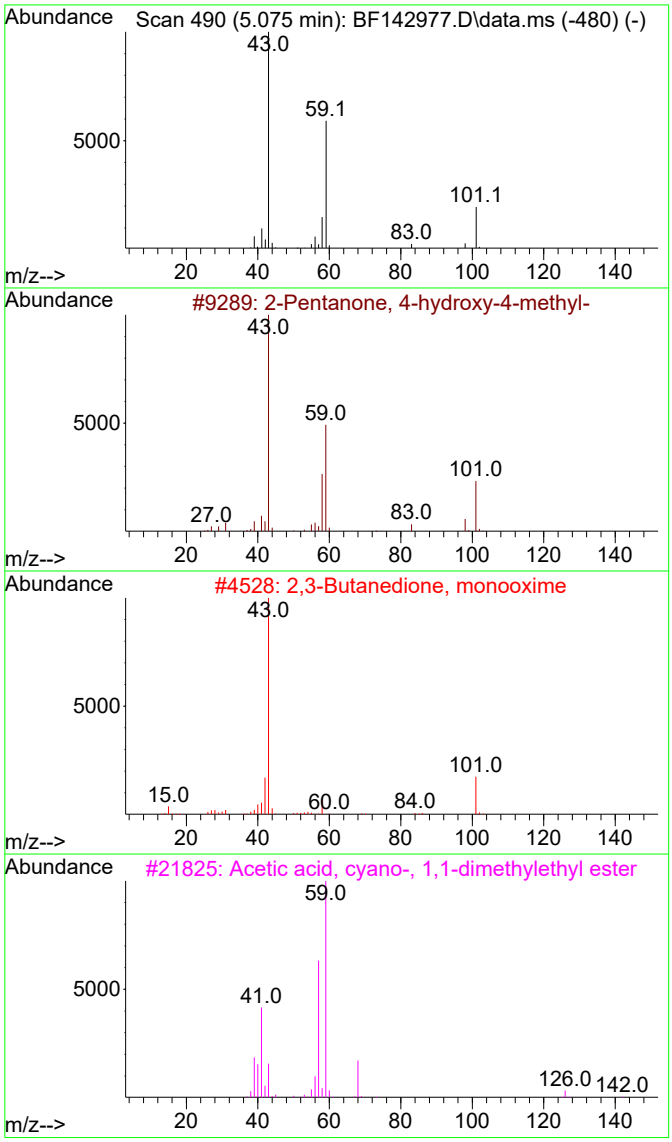
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

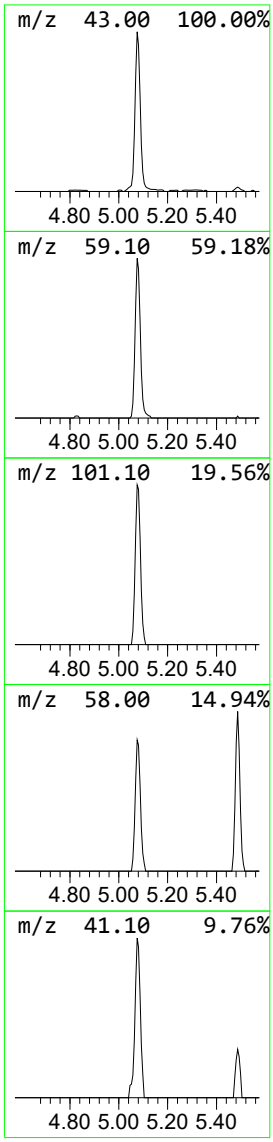
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.075	5.32 ng	83031	1,4-Dichlorobenzene-d4	6.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Sample Results: **BF142977.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142977.D
Acq On : 02 Jul 2025 18:20
Operator : RC/JU
Sample : Q2458-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-66

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

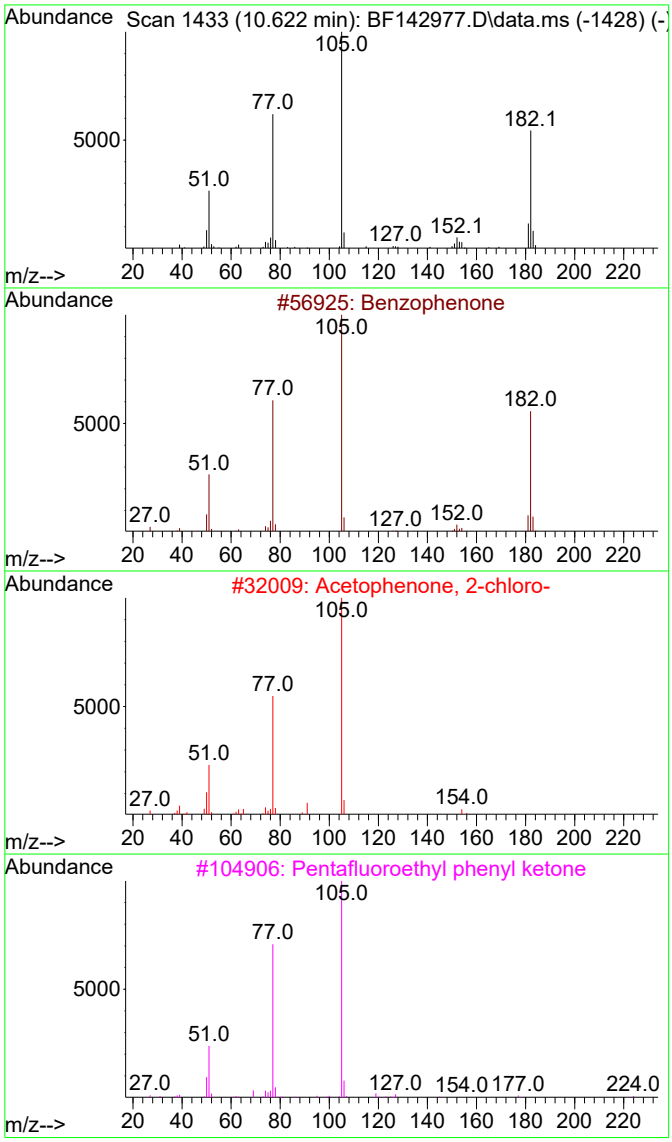
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

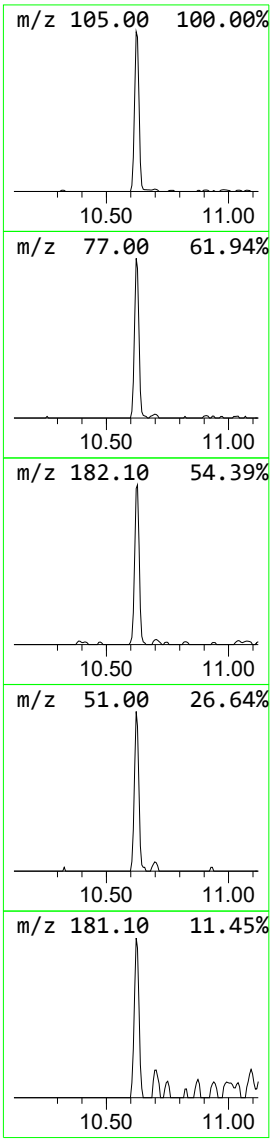
****

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.622	4.84 ng	106949	Acenaphthene-d10	9.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
3	Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	47
4	N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47
5	Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142977.D
Acq On : 02 Jul 2025 18:20
Operator : RC/JU
Sample : Q2458-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-66

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

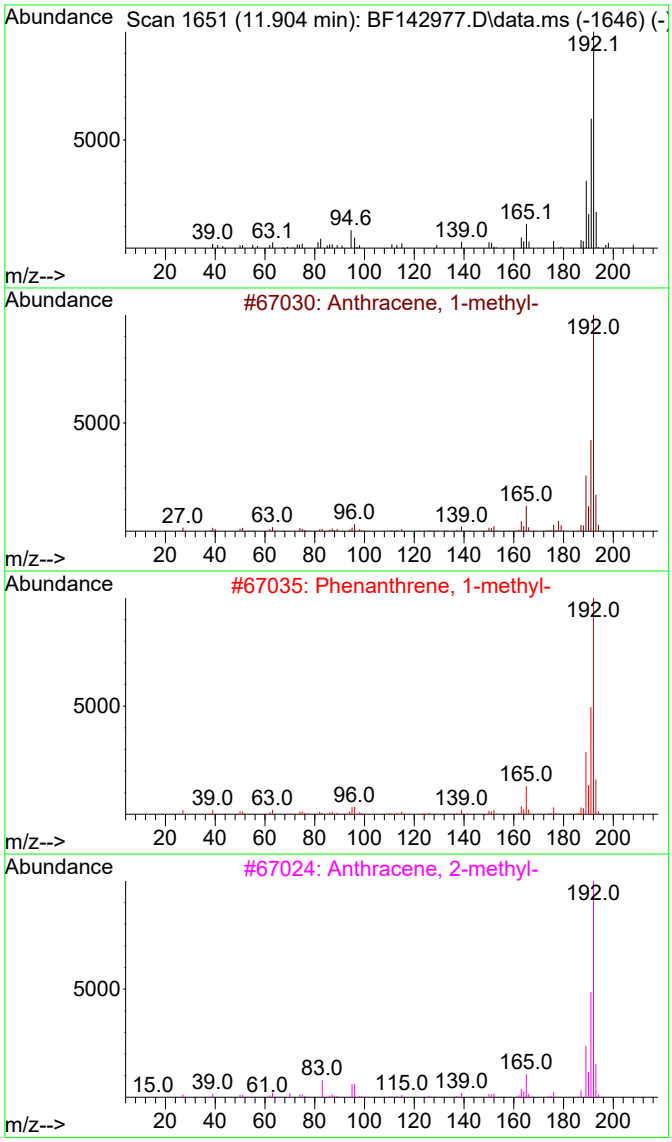
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

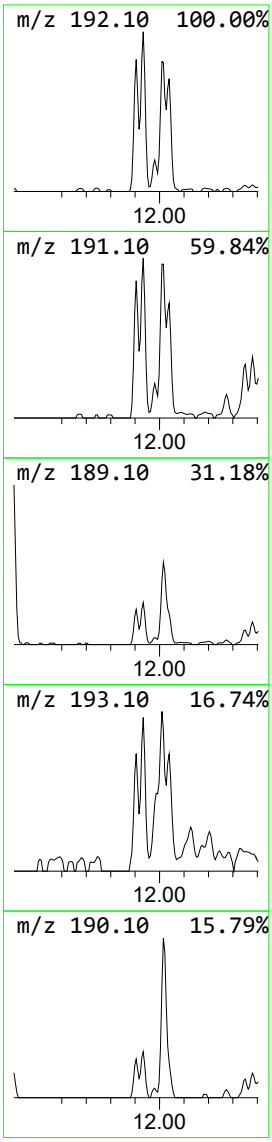
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Peak Number 3 Anthracene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.904	2.05 ng	44491	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142977.D
Acq On : 02 Jul 2025 18:20
Operator : RC/JU
Sample : Q2458-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-66

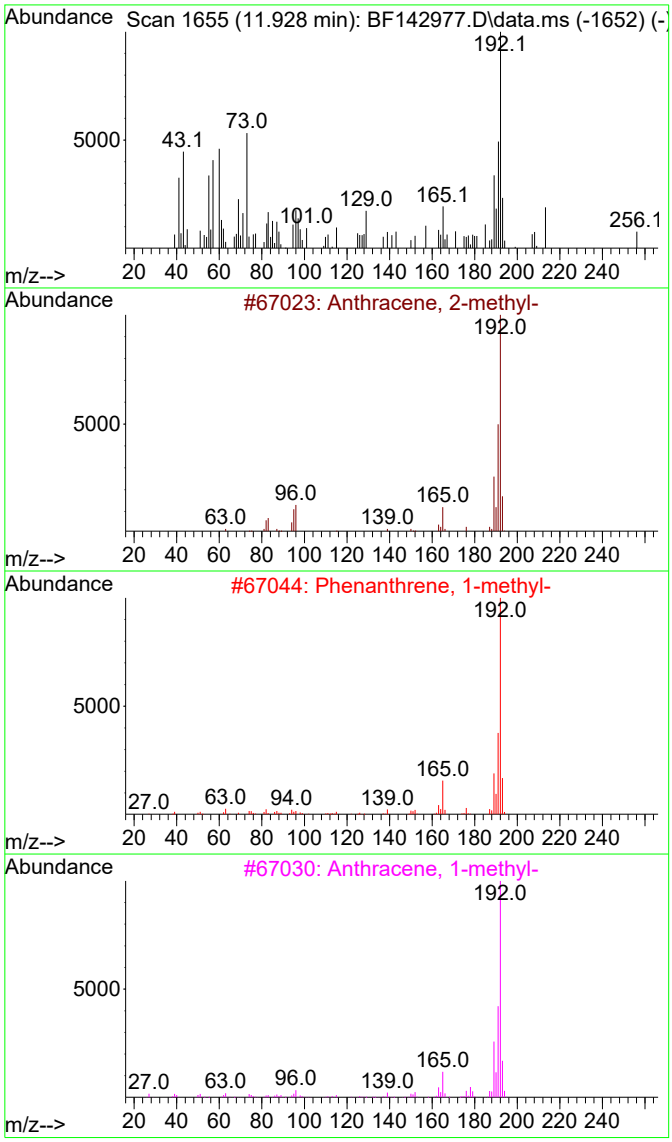
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

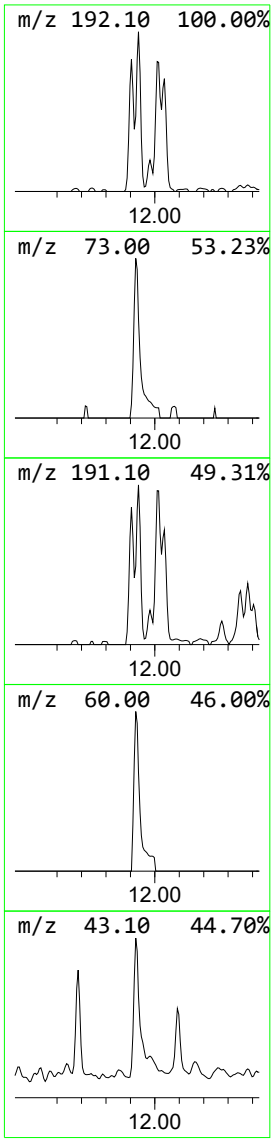
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.928	4.21 ng	91372	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142977.D
Acq On : 02 Jul 2025 18:20
Operator : RC/JU
Sample : Q2458-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-66

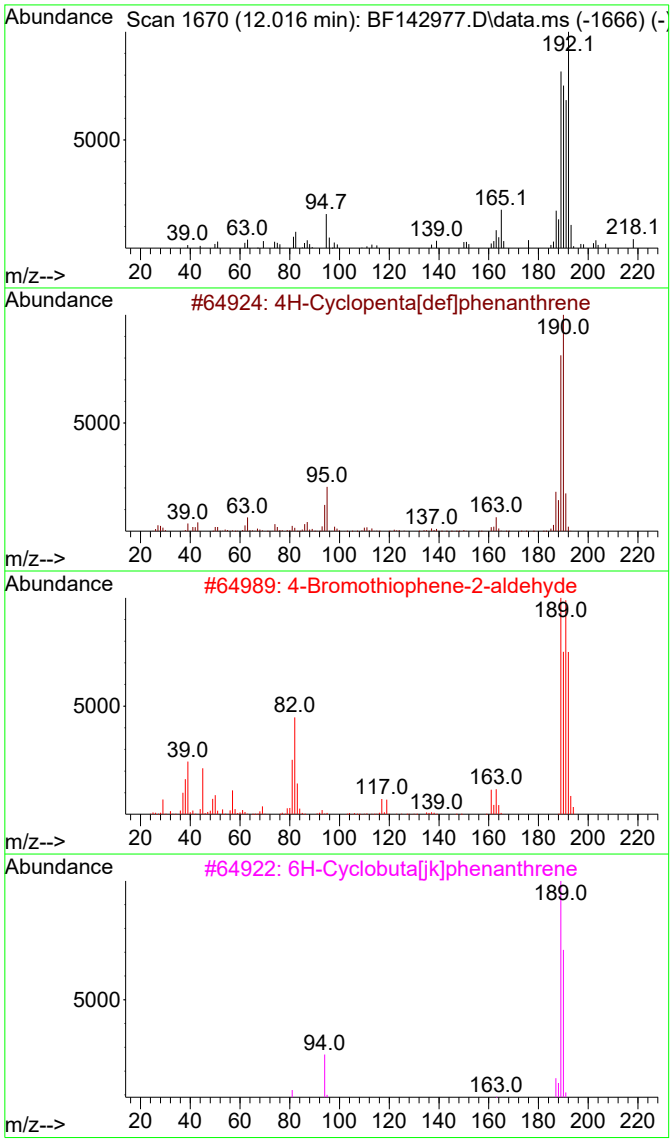
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

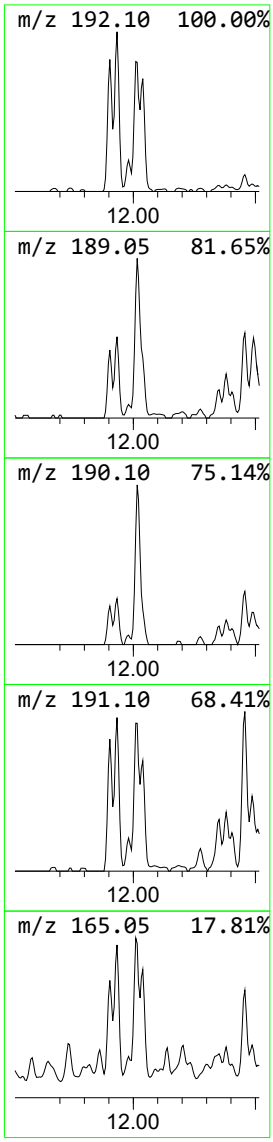
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TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.016	3.58 ng	77715	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	4-Bromothiophene-2-aldehyde	190	C5H3BrOS	018791-75-8	64
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	46
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142977.D
Acq On : 02 Jul 2025 18:20
Operator : RC/JU
Sample : Q2458-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-66

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

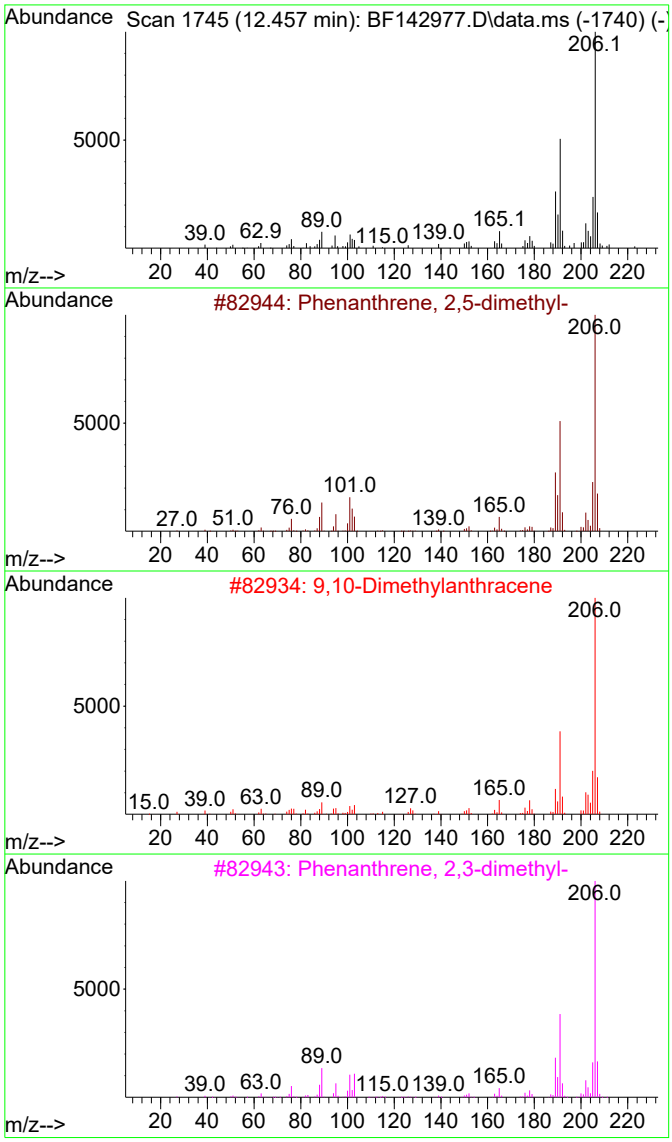
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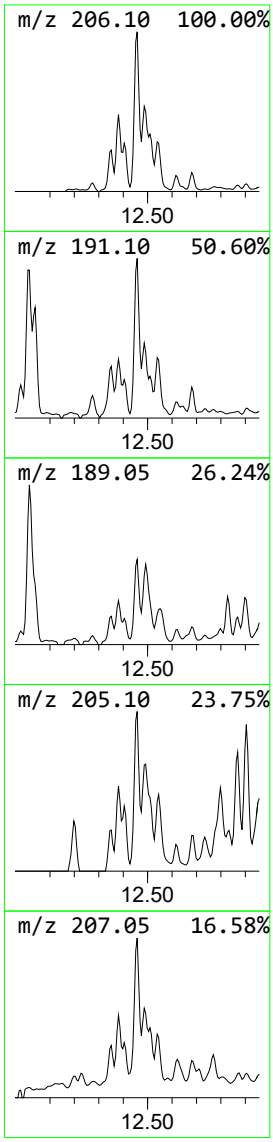
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Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.457	4.61 ng	99933	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





Sample Results: **BF142977.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142977.D
Acq On : 02 Jul 2025 18:20
Operator : RC/JU
Sample : Q2458-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-66

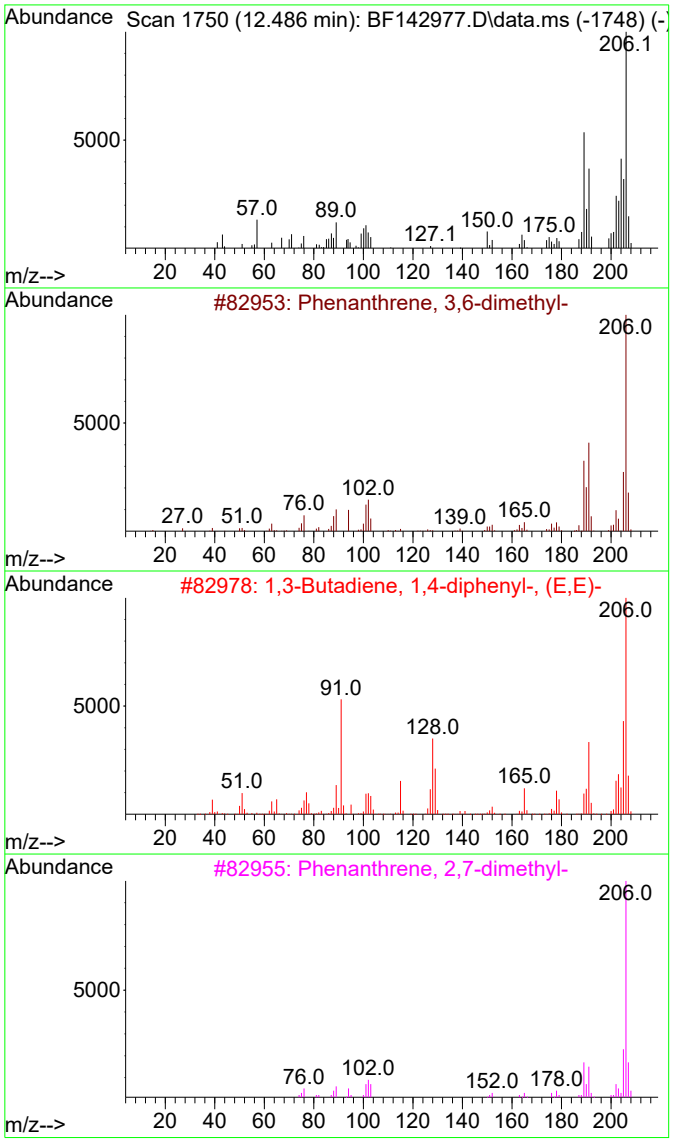
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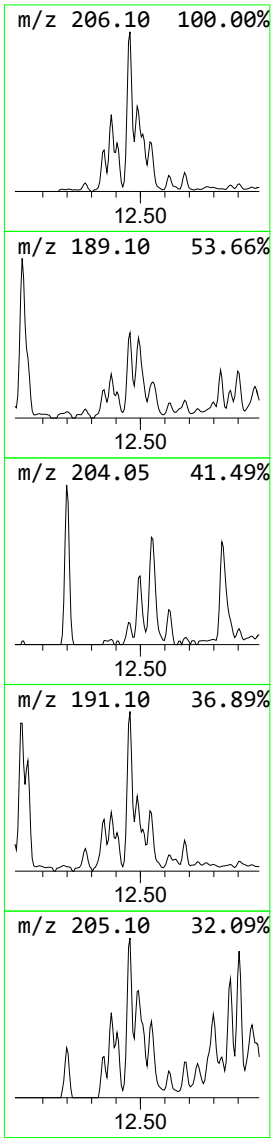
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TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Phenanthrene, 3,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.486	2.73 ng	59203	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
2	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	60
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	58
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	55
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142977.D
Acq On : 02 Jul 2025 18:20
Operator : RC/JU
Sample : Q2458-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-66

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

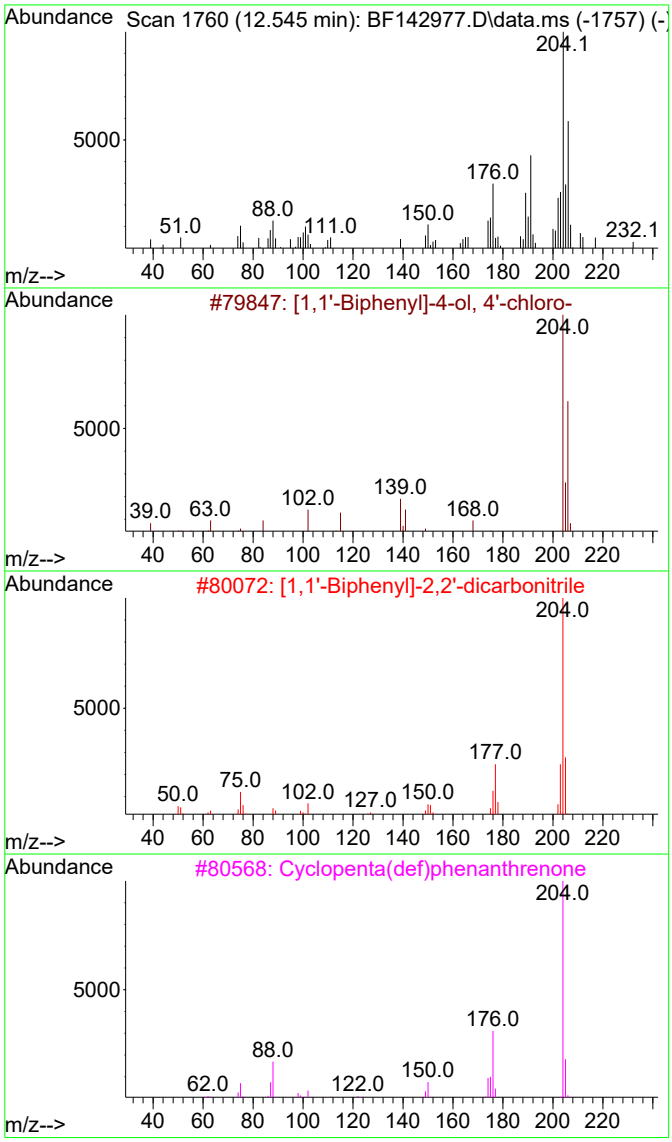
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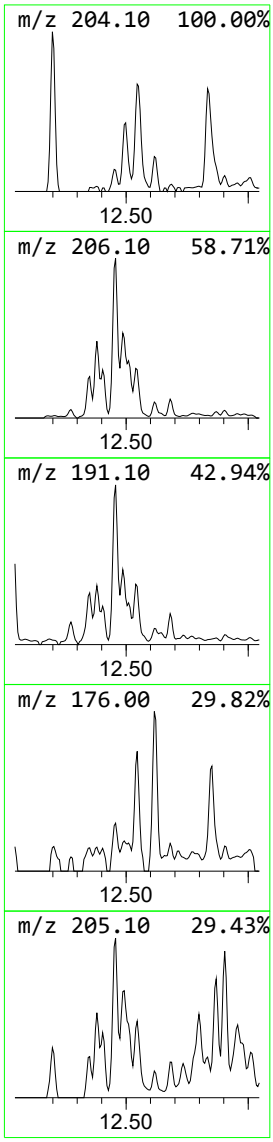
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Peak Number 8 unknown12.545 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.545	2.58 ng	55916	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
3	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	42
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	41
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	41





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142977.D
Acq On : 02 Jul 2025 18:20
Operator : RC/JU
Sample : Q2458-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-66

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
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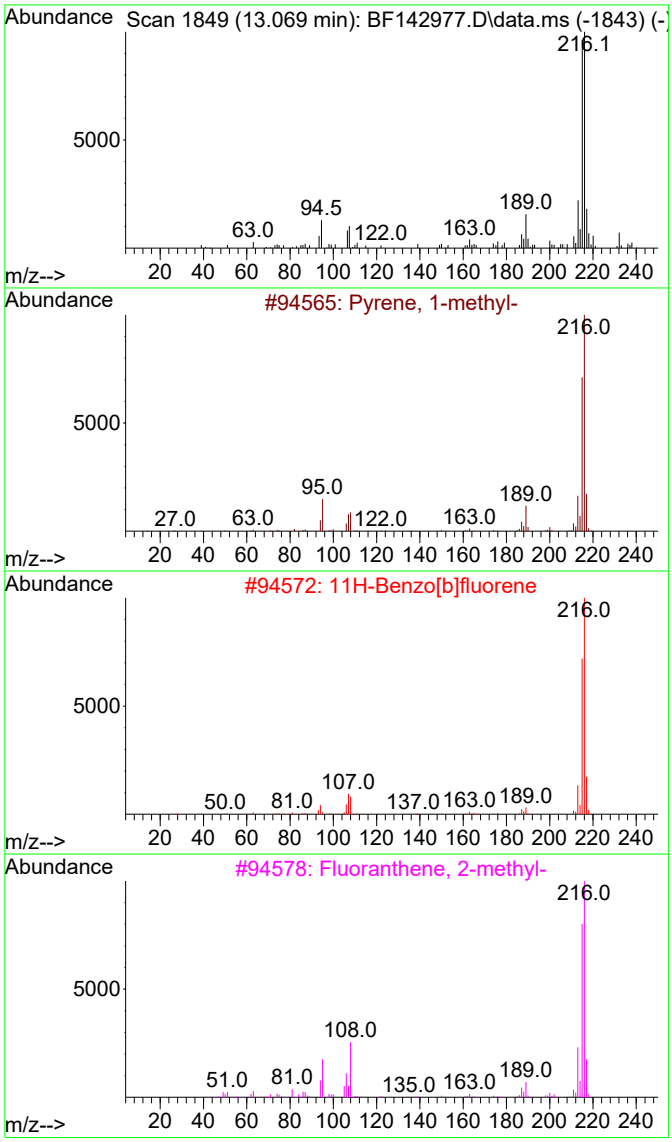
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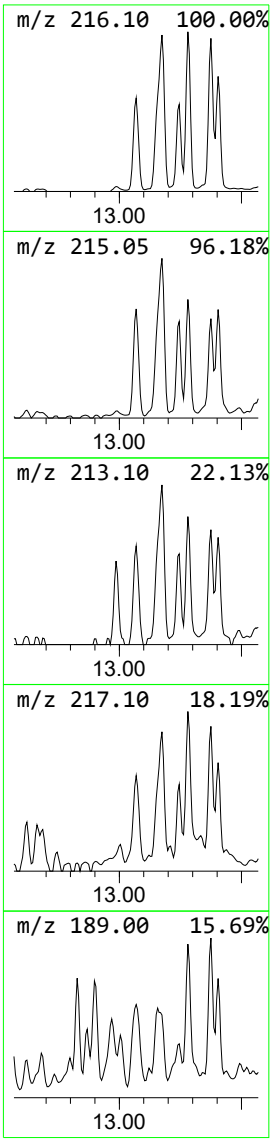
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Peak Number 9 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.069	3.17 ng	97332	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142977.D
Acq On : 02 Jul 2025 18:20
Operator : RC/JU
Sample : Q2458-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-66

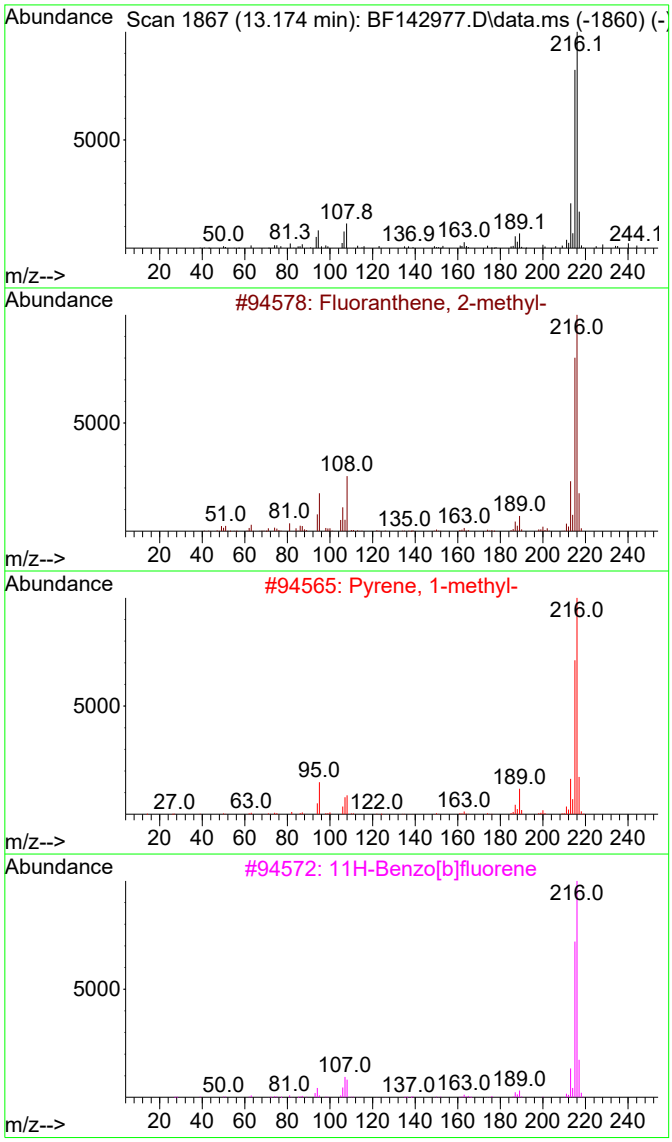
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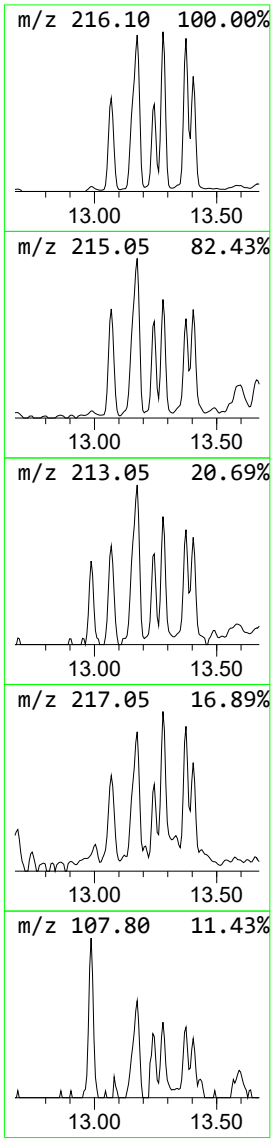
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TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Fluoranthene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.175	4.37 ng	134247	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142977.D
Acq On : 02 Jul 2025 18:20
Operator : RC/JU
Sample : Q2458-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
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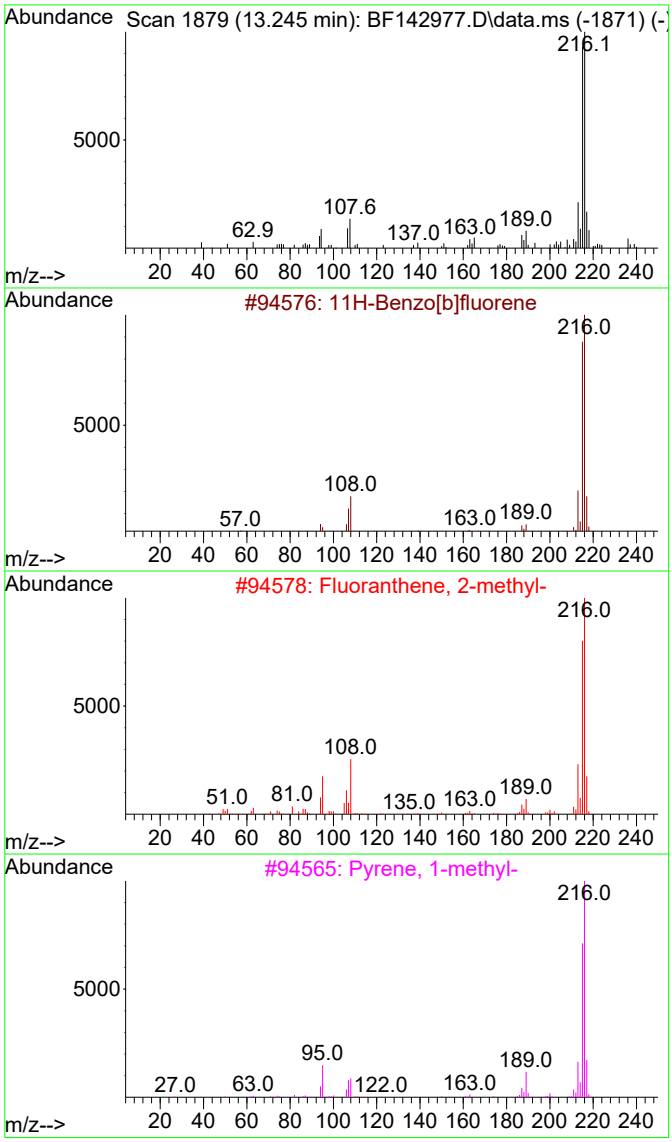
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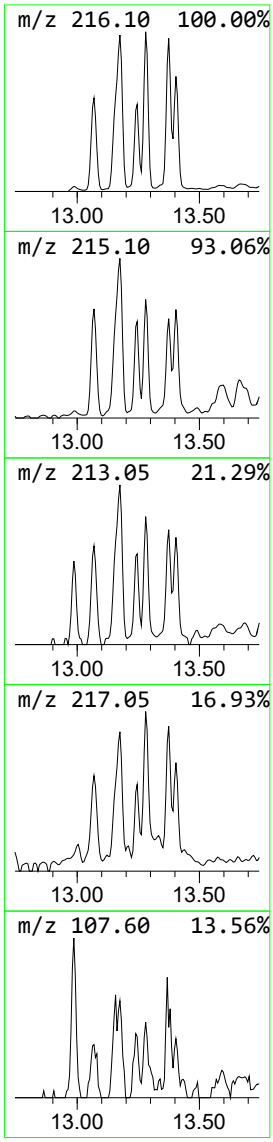
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Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.245	2.19 ng	67284	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142977.D
Acq On : 02 Jul 2025 18:20
Operator : RC/JU
Sample : Q2458-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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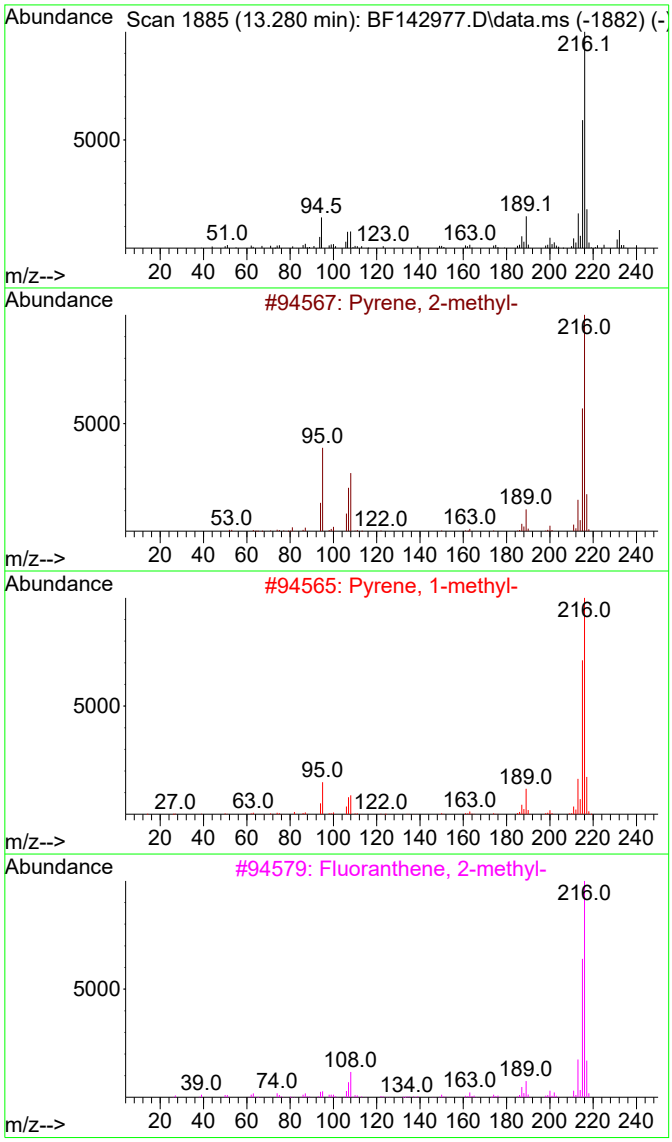
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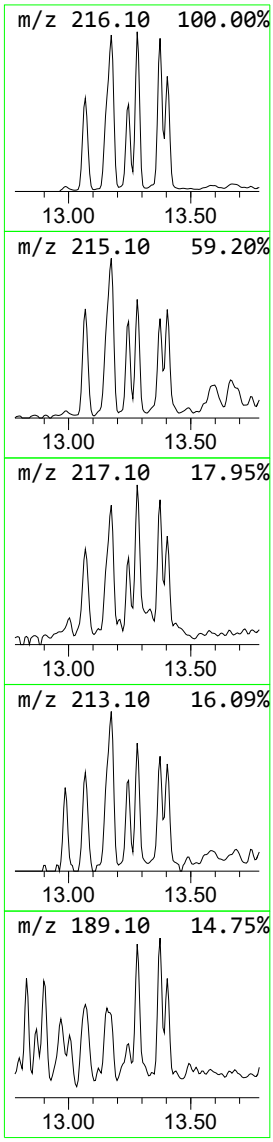
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Peak Number 12 Pyrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.280	2.96 ng	91035	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142977.D
Acq On : 02 Jul 2025 18:20
Operator : RC/JU
Sample : Q2458-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

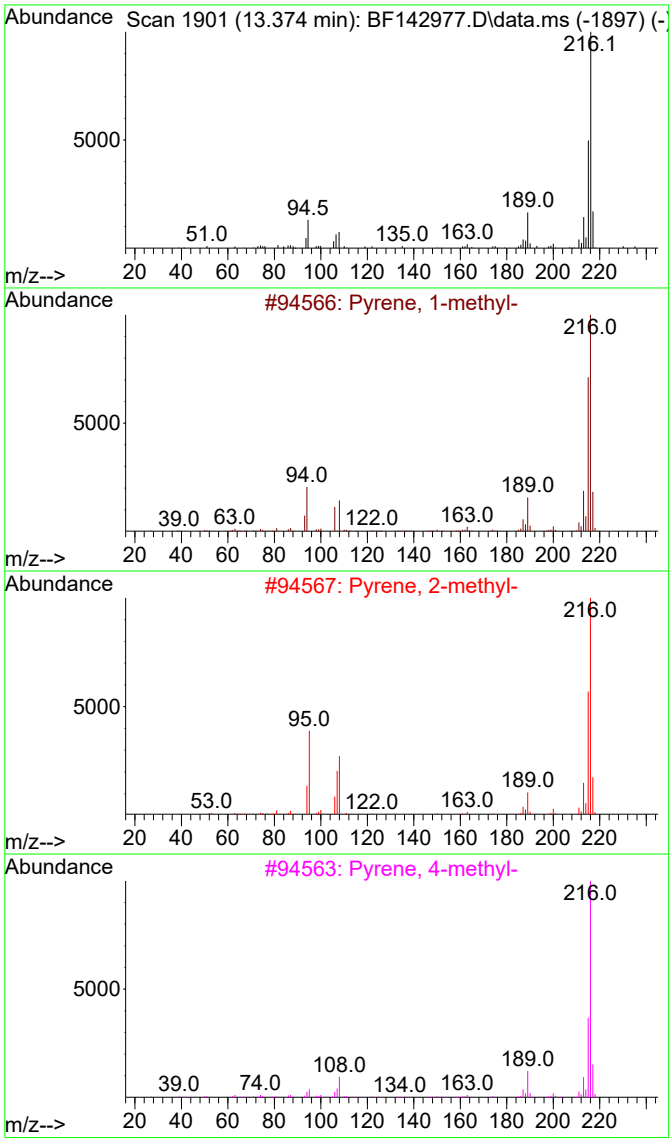
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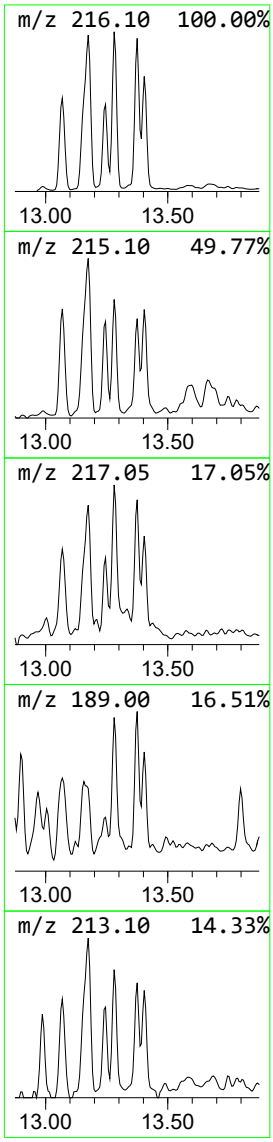
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Peak Number 13 Pyrene, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.374	2.17 ng	66712	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142977.D
Acq On : 02 Jul 2025 18:20
Operator : RC/JU
Sample : Q2458-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
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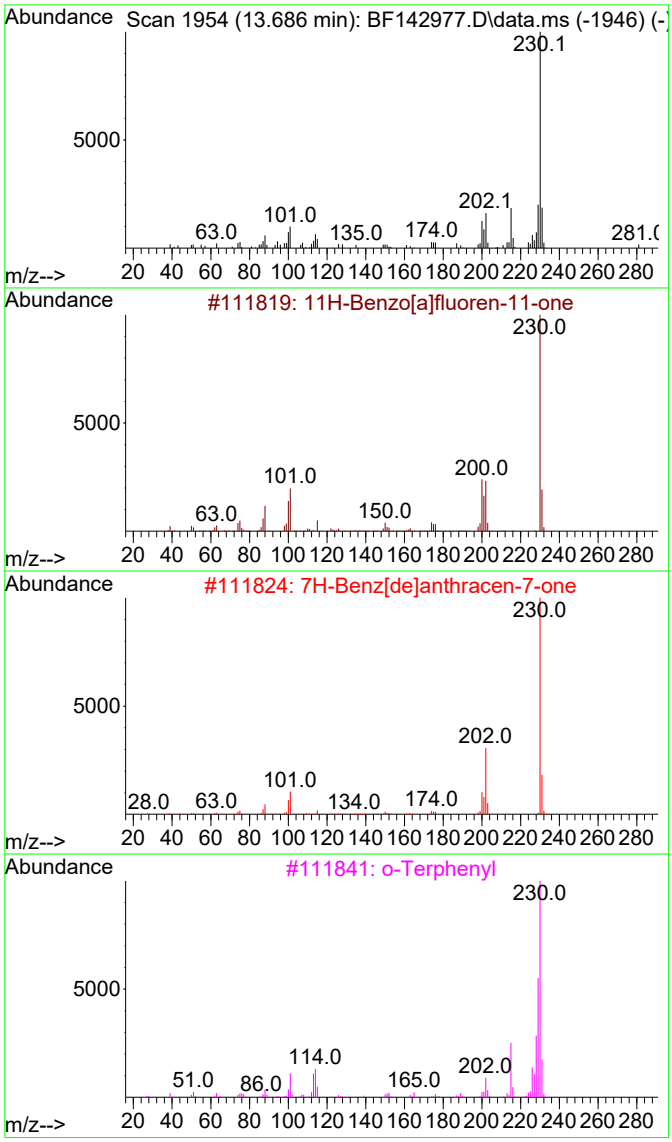
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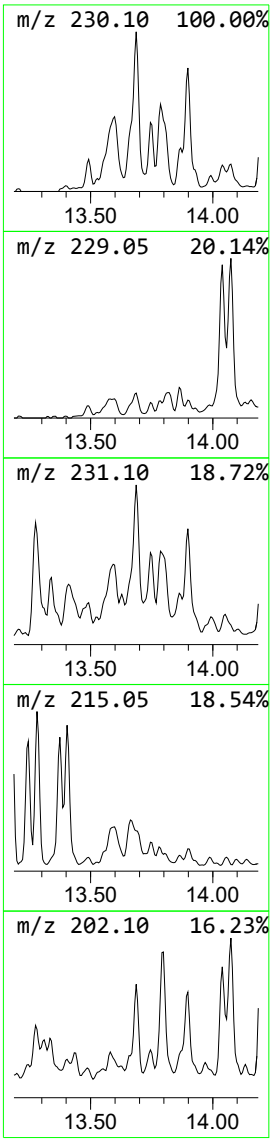
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Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.686	2.20 ng	67572	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
3	o-Terphenyl	230	C18H14	000084-15-1	76
4	Visnagin	230	C13H10O4	000082-57-5	64
5	6,6-Diphenylfulvene	230	C18H14	002175-90-8	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142977.D
Acq On : 02 Jul 2025 18:20
Operator : RC/JU
Sample : Q2458-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-66

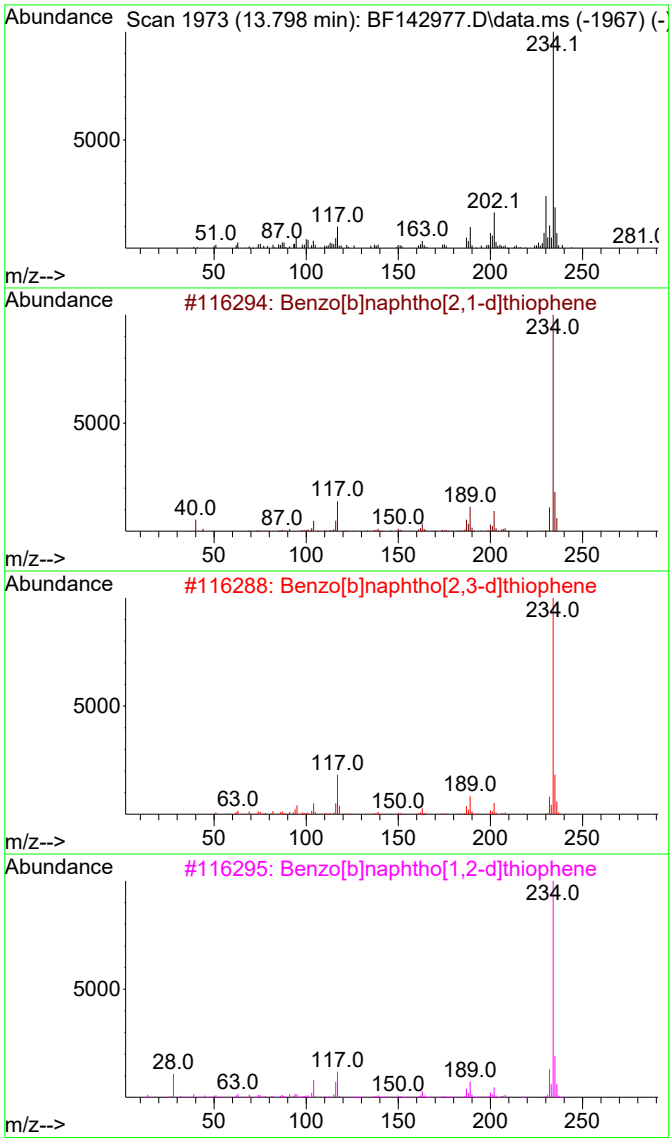
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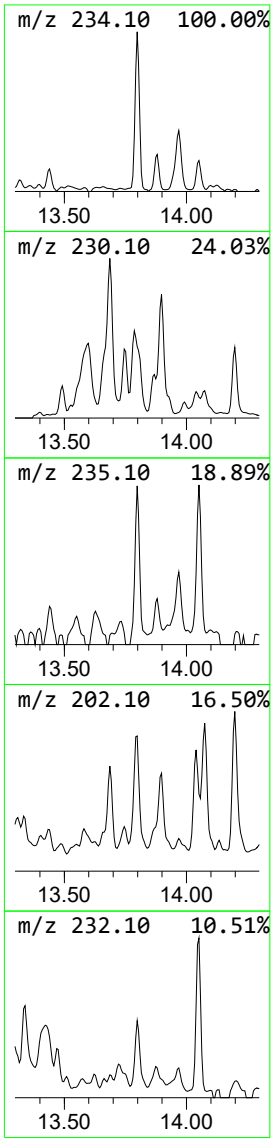
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Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.798	2.47 ng	75945	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	89
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	76
4	1,3,6,8-Tetramethylanthracene	234	C18H18	017526-53-3	59
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	58





Sample Results: **BF142977.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142977.D
Acq On : 02 Jul 2025 18:20
Operator : RC/JU
Sample : Q2458-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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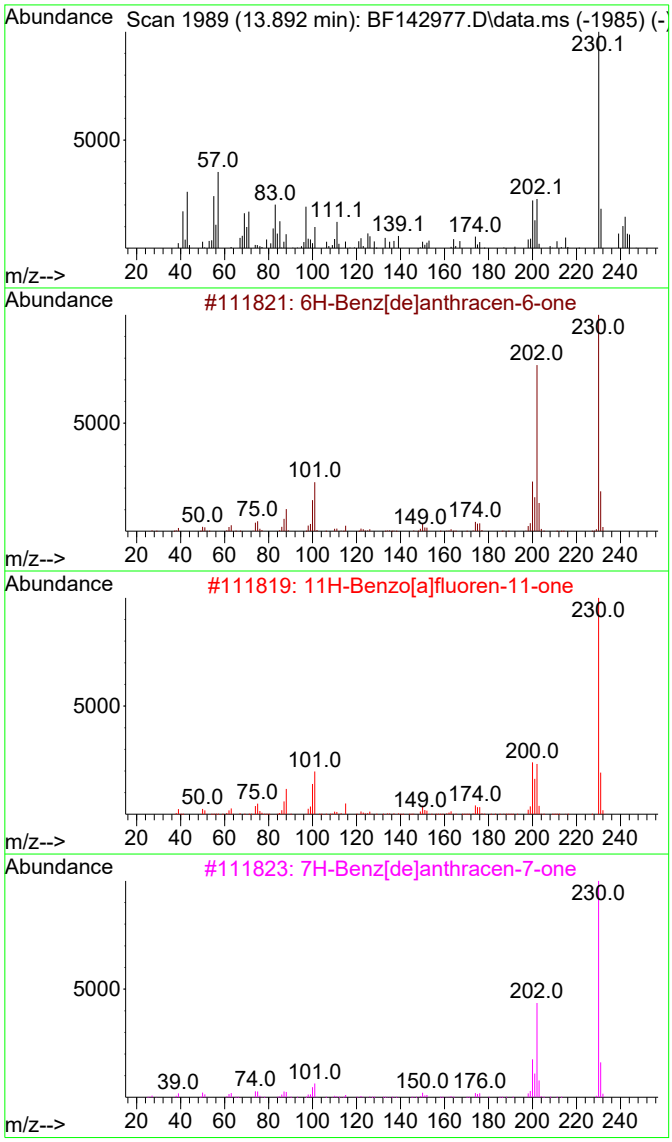
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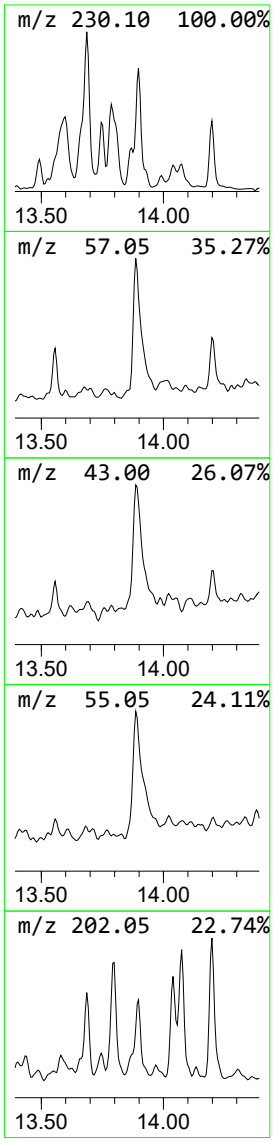
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Peak Number 16 6H-Benz[de]anthracen-6-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	2.93 ng	90043	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	58
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	58
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	52
4	p-Terphenyl	230	C18H14	000092-94-4	43
5	5-Nitro-2,3-dimethyl-1,7-trimeth...	230	C13H14N2O2	003480-19-1	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142977.D
Acq On : 02 Jul 2025 18:20
Operator : RC/JU
Sample : Q2458-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-66

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

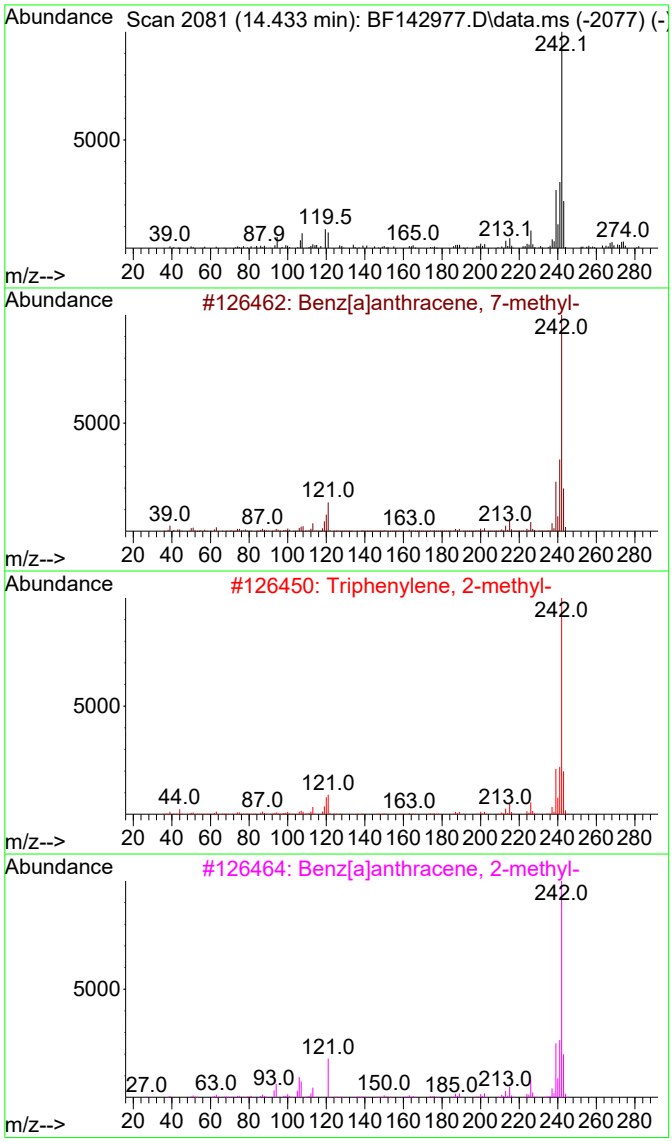
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TIC Integration Parameters: LSCINT.P

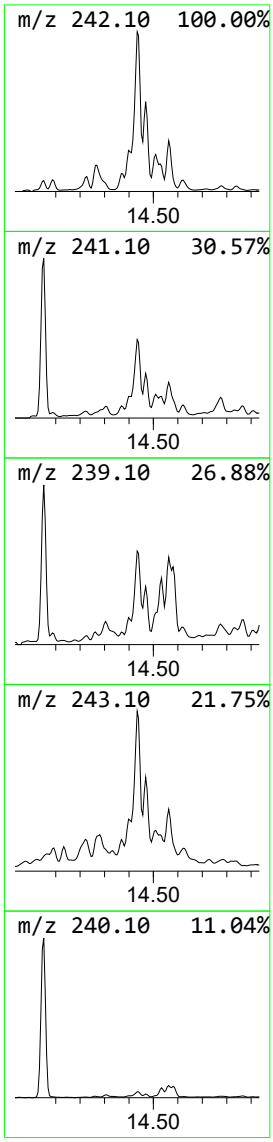
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Peak Number 17 Benz[a]anthracene, 7-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.433	3.40 ng	104398	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	89
3	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	89
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	89
5	2-Methylchrysene	242	C19H14	003351-32-4	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142977.D
Acq On : 02 Jul 2025 18:20
Operator : RC/JU
Sample : Q2458-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-66

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

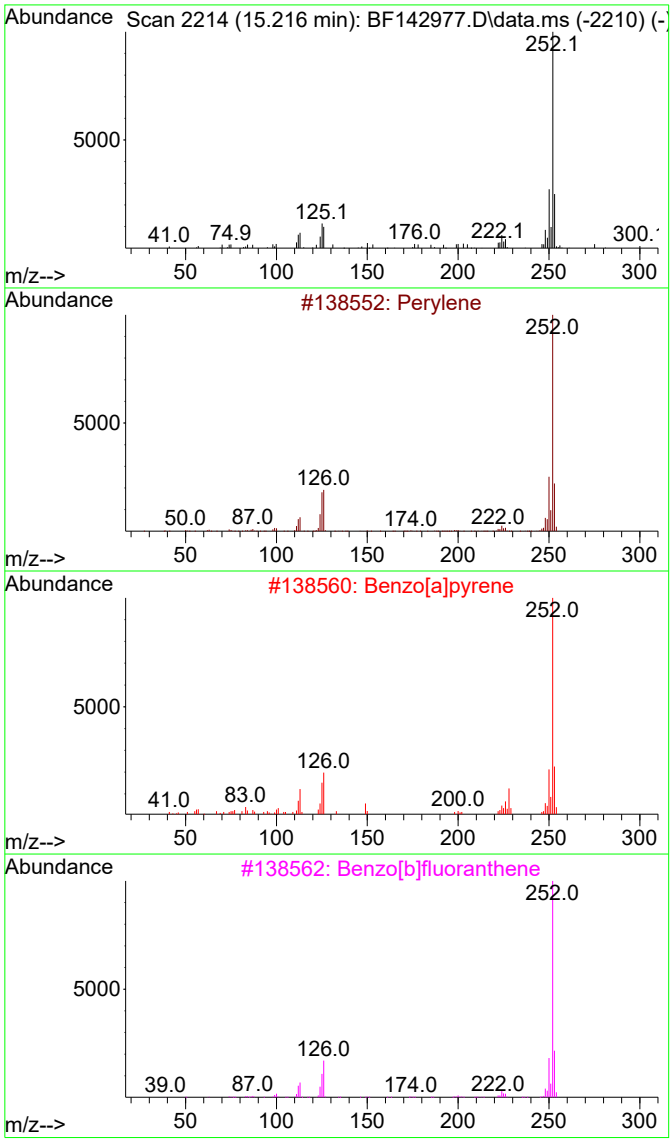
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

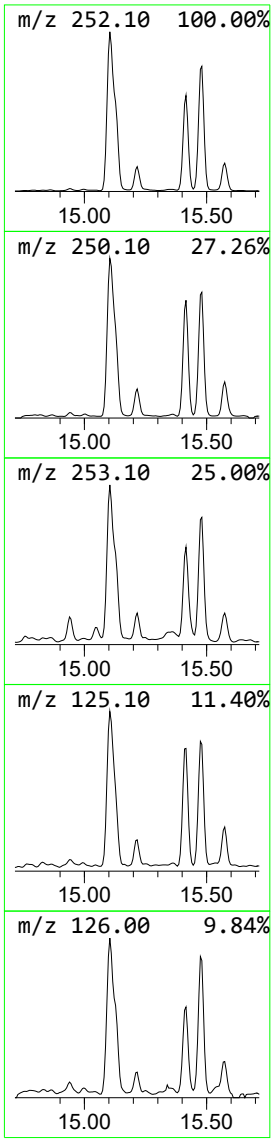
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Peak Number 18 Perylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.216	2.02 ng	28717	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	90
2	Benzo[a]pyrene	252	C20H12	000050-32-8	90
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5	Benzo[e]pyrene	252	C20H12	000192-97-2	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142977.D
Acq On : 02 Jul 2025 18:20
Operator : RC/JU
Sample : Q2458-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-66

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

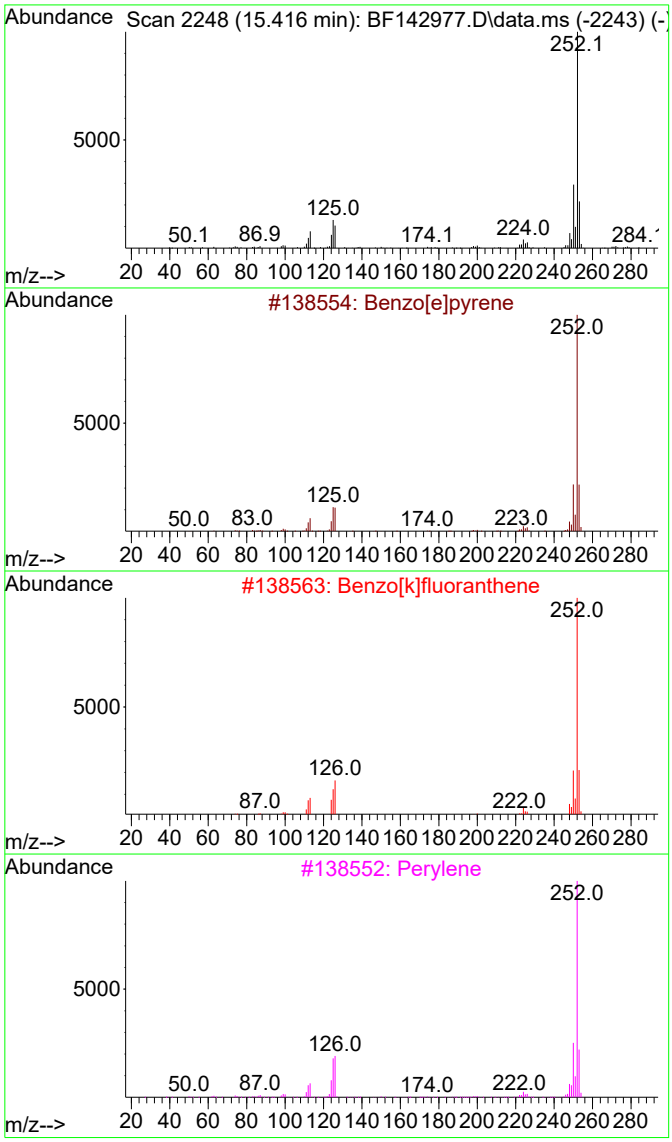
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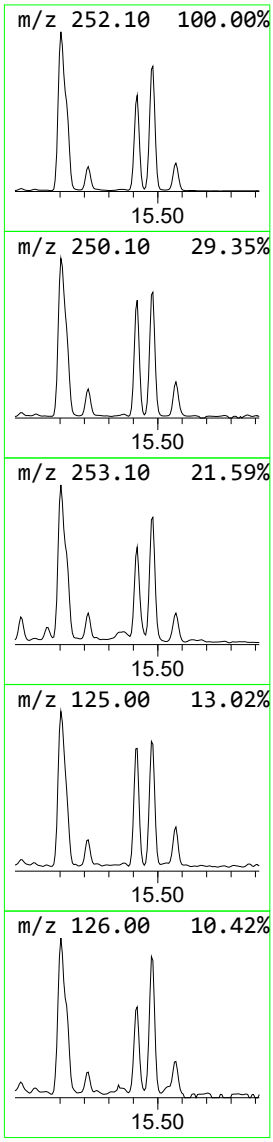
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Peak Number 19 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.416	10.97 ng	156162	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142977.D
Acq On : 02 Jul 2025 18:20
Operator : RC/JU
Sample : Q2458-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-66

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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-...	5.075	5.3	ng	83031	1	6.869	312367	20.0
Benzophenone	10.622	4.8	ng	106949	3	9.910	441580	20.0
Anthracene, 1-m...	11.904	2.0	ng	44491	4	11.404	433820	20.0
Anthracene, 2-m...	11.928	4.2	ng	91372	4	11.404	433820	20.0
4H-Cyclopenta[d...	12.016	3.6	ng	77715	4	11.404	433820	20.0
Phenanthrene, 2...	12.457	4.6	ng	99933	4	11.404	433820	20.0
Phenanthrene, 3...	12.486	2.7	ng	59203	4	11.404	433820	20.0
unknown12.545	12.545	2.6	ng	55916	4	11.404	433820	20.0
Pyrene, 1-methyl-	13.069	3.2	ng	97332	5	14.051	614556	20.0
Fluoranthene, 2...	13.175	4.4	ng	134247	5	14.051	614556	20.0
11H-Benzo[b]flu...	13.245	2.2	ng	67284	5	14.051	614556	20.0
Pyrene, 2-methyl-	13.280	3.0	ng	91035	5	14.051	614556	20.0
Pyrene, 4-methyl-	13.374	2.2	ng	66712	5	14.051	614556	20.0
11H-Benzo[a]flu...	13.686	2.2	ng	67572	5	14.051	614556	20.0
Benzo[b]naphtho...	13.798	2.5	ng	75945	5	14.051	614556	20.0
6H-Benz[de]anth...	13.892	2.9	ng	90043	5	14.051	614556	20.0
Benz[a]anthrace...	14.433	3.4	ng	104398	5	14.051	614556	20.0
Perylene	15.216	2.0	ng	28717	6	15.539	284819	20.0
Benzo[e]pyrene	15.416	11.0	ng	156162	6	15.539	284819	20.0

Raw Data: **BF142955.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-60	SDG No.:	Q2458
Lab Sample ID:	Q2458-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.5
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
BF142955.D	1	07/01/25 09:30	07/01/25 18:00	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	360	ug/Kg
108-95-2	Phenol	23.9	U	23.9	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.2	U	26.2	180	ug/Kg
95-57-8	2-Chlorophenol	26.3	U	26.3	180	ug/Kg
95-48-7	2-Methylphenol	32.3	U	32.3	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40.5	U	40.5	180	ug/Kg
98-86-2	Acetophenone	31.8	U	31.8	180	ug/Kg
65794-96-9	3+4-Methylphenols	44.4	U	44.4	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.2	U	51.2	86.4	ug/Kg
67-72-1	Hexachloroethane	19.0	U	19.0	180	ug/Kg
98-95-3	Nitrobenzene	19.8	U	19.8	180	ug/Kg
78-59-1	Isophorone	35.4	U	35.4	180	ug/Kg
88-75-5	2-Nitrophenol	62.8	U	62.8	180	ug/Kg
105-67-9	2,4-Dimethylphenol	70.0	U	70.0	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	33.3	U	33.3	180	ug/Kg
120-83-2	2,4-Dichlorophenol	30.6	U	30.6	180	ug/Kg
91-20-3	Naphthalene	24.5	U	24.5	180	ug/Kg
106-47-8	4-Chloroaniline	38.2	U	38.2	180	ug/Kg
87-68-3	Hexachlorobutadiene	27.3	U	27.3	180	ug/Kg
105-60-2	Caprolactam	56.2	U	56.2	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.0	U	31.0	180	ug/Kg
91-57-6	2-Methylnaphthalene	27.6	U	27.6	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.4	U	21.4	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	31.4	U	31.4	180	ug/Kg
92-52-4	1,1-Biphenyl	23.5	U	23.5	180	ug/Kg
91-58-7	2-Chloronaphthalene	24.3	U	24.3	180	ug/Kg
88-74-4	2-Nitroaniline	51.9	U	51.9	180	ug/Kg
131-11-3	Dimethylphthalate	29.3	U	29.3	180	ug/Kg

Raw Data: **BF142955.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-60	SDG No.:	Q2458
Lab Sample ID:	Q2458-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.5
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
BF142955.D	1	07/01/25 09:30	07/01/25 18:00	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.2	U	31.2	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	36.3	U	36.3	180	ug/Kg
99-09-2	3-Nitroaniline	49.7	U	49.7	180	ug/Kg
83-32-9	Acenaphthene	23.0	U	23.0	180	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	360	ug/Kg
132-64-9	Dibenzofuran	24.5	U	24.5	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	54.1	U	54.1	180	ug/Kg
84-66-2	Diethylphthalate	30.6	U	30.6	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	28.8	U	28.8	180	ug/Kg
86-73-7	Fluorene	27.3	U	27.3	180	ug/Kg
100-01-6	4-Nitroaniline	69.3	U	69.3	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	35.5	U	35.5	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.0	U	30.0	180	ug/Kg
118-74-1	Hexachlorobenzene	27.3	U	27.3	180	ug/Kg
1912-24-9	Atrazine	36.7	U	36.7	180	ug/Kg
87-86-5	Pentachlorophenol	55.4	U	55.4	360	ug/Kg
85-01-8	Phenanthrene	150	J	22.6	180	ug/Kg
120-12-7	Anthracene	36.0	U	36.0	180	ug/Kg
86-74-8	Carbazole	33.7	U	33.7	180	ug/Kg
84-74-2	Di-n-butylphthalate	51.7	U	51.7	180	ug/Kg
206-44-0	Fluoranthene	750		32.4	180	ug/Kg
129-00-0	Pyrene	460		38.9	180	ug/Kg
85-68-7	Butylbenzylphthalate	77.1	UQ	77.1	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	39.6	U	39.6	360	ug/Kg
56-55-3	Benzo(a)anthracene	360		24.8	180	ug/Kg
218-01-9	Chrysene	360		21.5	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	63.9	U	63.9	180	ug/Kg
117-84-0	Di-n-octyl phthalate	93.7	U	93.7	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	590		20.5	180	ug/Kg

Raw Data: **BF142955.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-60	SDG No.:	Q2458
Lab Sample ID:	Q2458-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.5
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
BF142955.D	1	07/01/25 09:30	07/01/25 18:00	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	240		24.2	180	ug/Kg
50-32-8	Benzo(a)pyrene	400		31.8	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	200		31.4	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29.6	U	29.6	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	270		27.7	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.6	U	27.6	180	ug/Kg
123-91-1	1,4-Dioxane	48.8	U	48.8	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	29.6	U	29.6	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	73.3		18 - 112	49%	SPK: 150
13127-88-3	Phenol-d6	67.8		15 - 107	45%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.6		18 - 107	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.5		20 - 109	47%	SPK: 100
118-79-6	2,4,6-Tribromophenol	86.4		10 - 116	58%	SPK: 150
1718-51-0	Terphenyl-d14	40.3		10 - 105	40%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	40000	6.875			
1146-65-2	Naphthalene-d8	134000	8.157			
15067-26-2	Acenaphthene-d10	70300	9.91			
1517-22-2	Phenanthrene-d10	142000	11.404			
1719-03-5	Chrysene-d12	121000	14.051			
1520-96-3	Perylene-d12	87500	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	AB		5.08	ug/Kg
000259-79-0	Biphenylene	76.3	J		9.78	ug/Kg
000119-61-9	Benzophenone	200	J		10.6	ug/Kg
055045-11-9	Tridecane, 5-propyl-	75.2	J		10.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	330	J		11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	100	J		12.0	ug/Kg

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-60	SDG No.:	Q2458
Lab Sample ID:	Q2458-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.5
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
BF142955.D	1	07/01/25 09:30	07/01/25 18:00	PB168674

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\BF070125\
Data File : BF142955.D
Acq On : 01 Jul 2025 18:00
Operator : RC/JU
Sample : Q2458-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-60

Quant Time: Jul 01 18:22:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

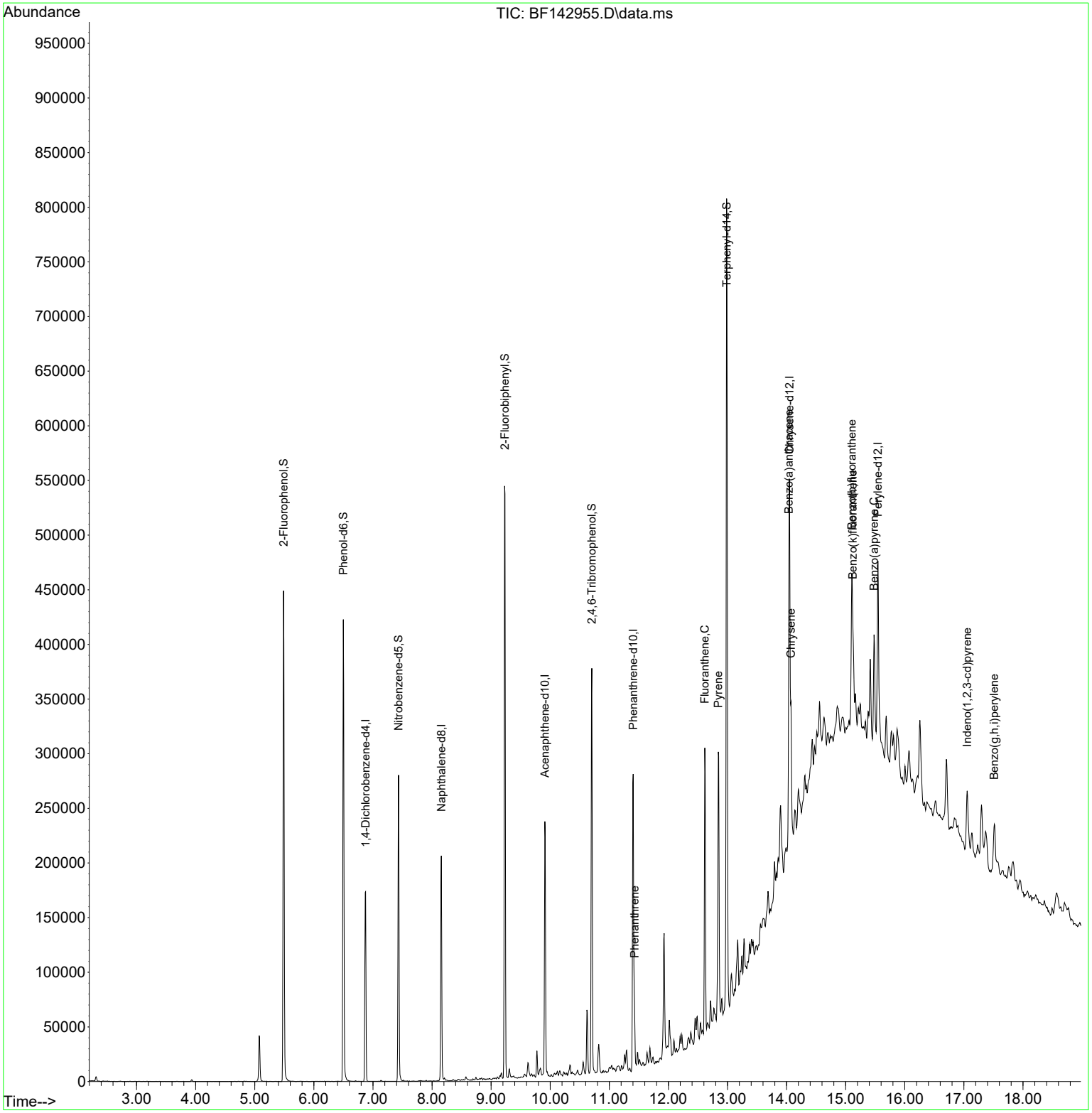
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	40048	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	134037	20.000	ng		-0.01
39) Acenaphthene-d10	9.910	164	70254	20.000	ng		-0.01
64) Phenanthrene-d10	11.404	188	141628	20.000	ng		0.00
76) Chrysene-d12	14.051	240	121309	20.000	ng		0.00
86) Perylene-d12	15.545	264	87498	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	176207	73.255	ng		0.00
7) Phenol-d6	6.498	99	192270	67.751	ng		-0.01
23) Nitrobenzene-d5	7.434	82	113844	46.587	ng		-0.01
42) 2,4,6-Tribromophenol	10.704	330	62492	86.439	ng		-0.01
45) 2-Fluorobiphenyl	9.234	172	248940	46.549	ng		-0.01
79) Terphenyl-d14	12.986	244	354143	40.337	ng		-0.01
Target Compounds							Qvalue
71) Phenanthrene	11.428	178	32686	4.260	ng		98
75) Fluoranthene	12.616	202	152352	20.924	ng		100
78) Pyrene	12.845	202	146607	12.893	ng		98
81) Benzo(a)anthracene	14.039	228	80992	9.897	ng		92
83) Chrysene	14.074	228	72314m	9.903	ng		
87) Indeno(1,2,3-cd)pyrene	17.057	276	37828	5.676	ng		95
88) Benzo(b)fluoranthene	15.104	252	83510m	16.494	ng		
89) Benzo(k)fluoranthene	15.121	252	31097m	6.565	ng		
90) Benzo(a)pyrene	15.480	252	54461	11.134	ng	#	90
92) Benzo(g,h,i)perylene	17.515	276	40486	7.498	ng		98

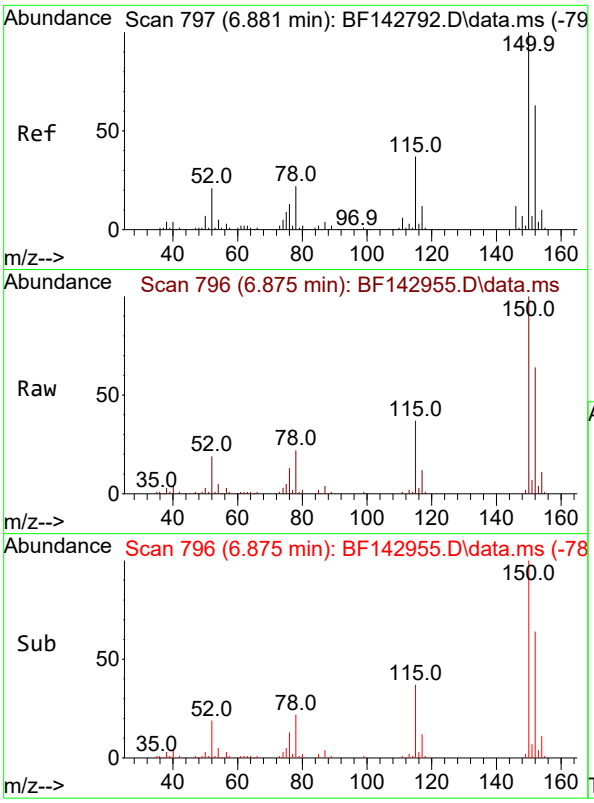
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142955.D
Acq On : 01 Jul 2025 18:00
Operator : RC/JU
Sample : Q2458-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-60

Quant Time: Jul 01 18:22:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



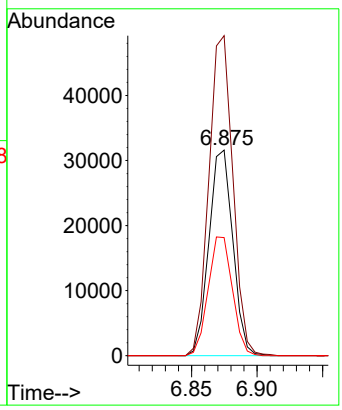


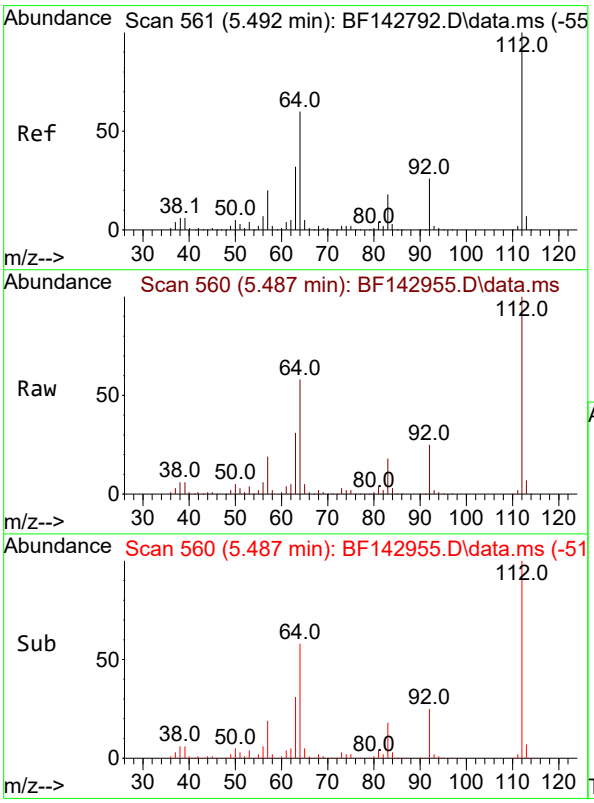
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Instrument :
BNA_F
ClientSampleId :
TP-60

Tgt Ion:152 Resp: 40048

Ion	Ratio	Lower	Upper
152	100		
150	155.7	127.2	190.8
115	57.4	46.6	69.8

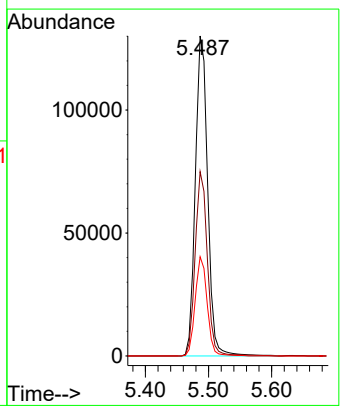


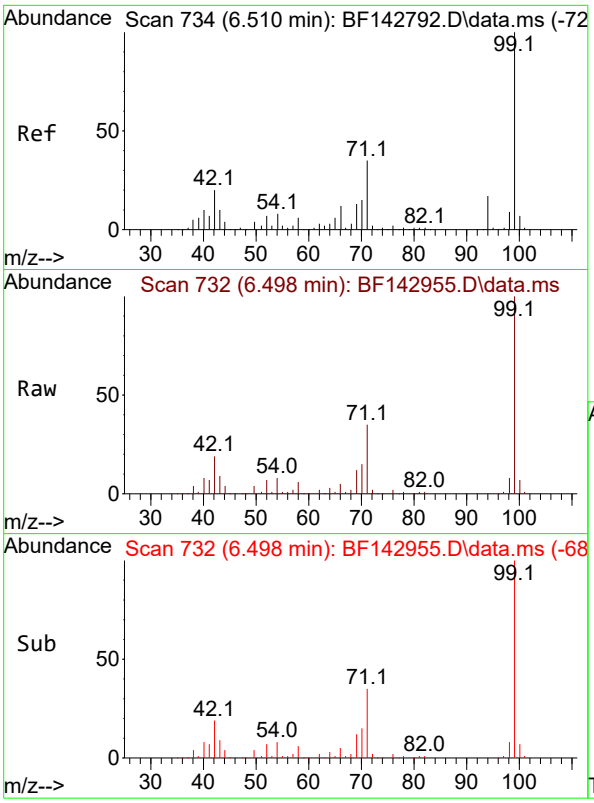


#5
2-Fluorophenol
Concen: 73.255 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Tgt Ion:112 Resp: 176207

Ion	Ratio	Lower	Upper
112	100		
64	57.6	48.2	72.2
63	31.0	25.7	38.5



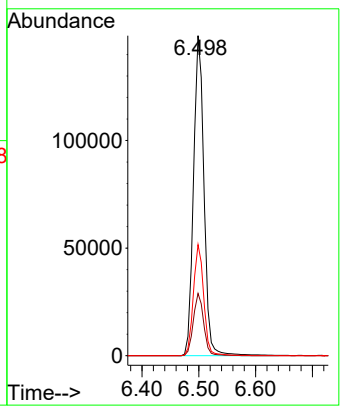


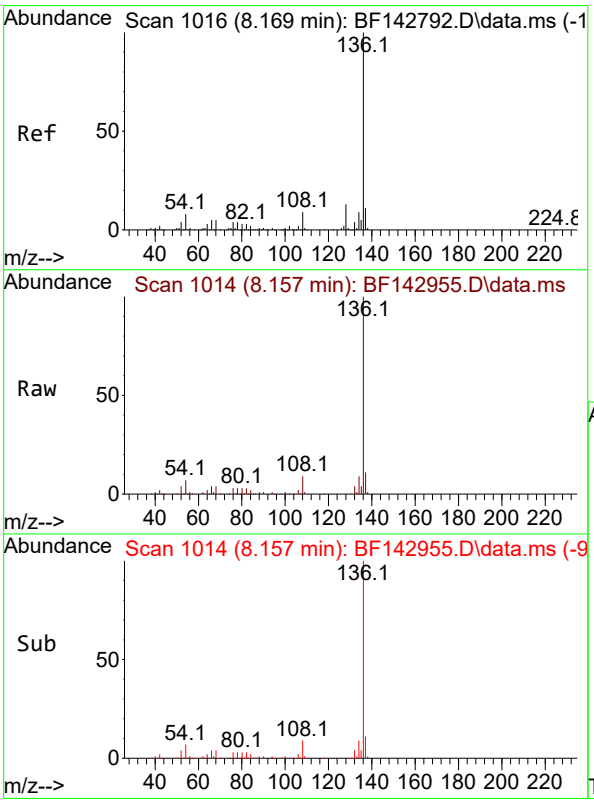
#7
Phenol-d6
Concen: 67.751 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Instrument :
BNA_F
ClientSampleId :
TP-60

Tgt Ion: 99 Resp: 192270

Ion	Ratio	Lower	Upper
99	100		
42	19.5	15.9	23.9
71	34.7	27.8	41.8

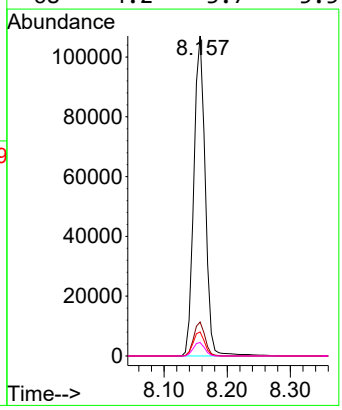


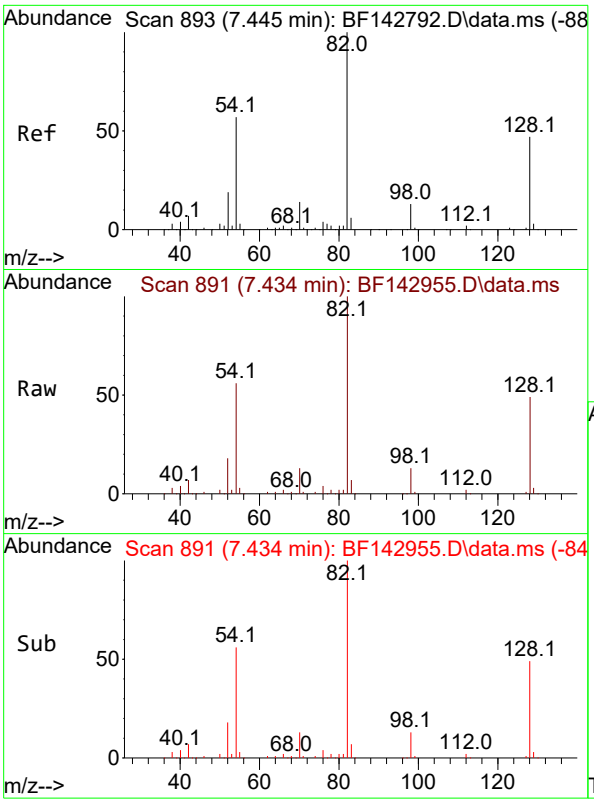


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Tgt Ion:136 Resp: 134037

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	7.5	6.3	9.5
68	4.2	3.7	5.5



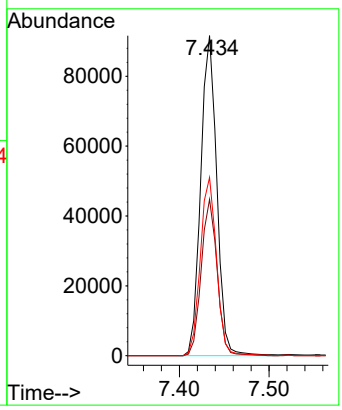


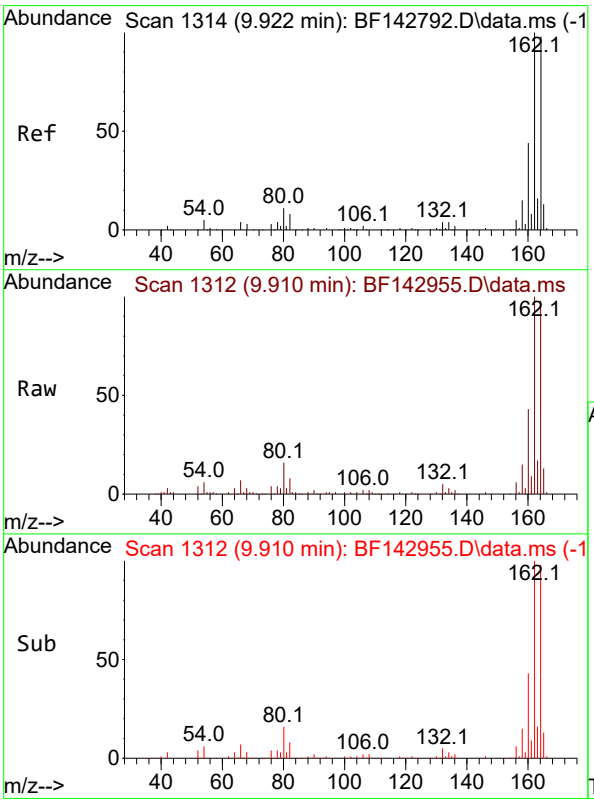
#23
Nitrobenzene-d5
Concen: 46.587 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Instrument :
BNA_F
ClientSampleId :
TP-60

Tgt Ion: 82 Resp: 113844

Ion	Ratio	Lower	Upper
82	100		
128	48.8	37.7	56.5
54	55.7	45.7	68.5

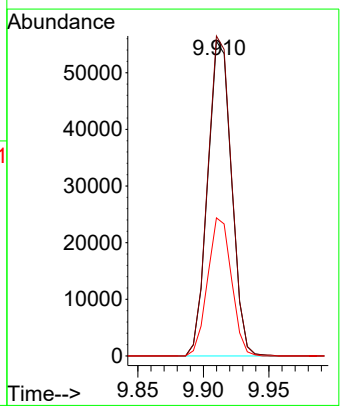


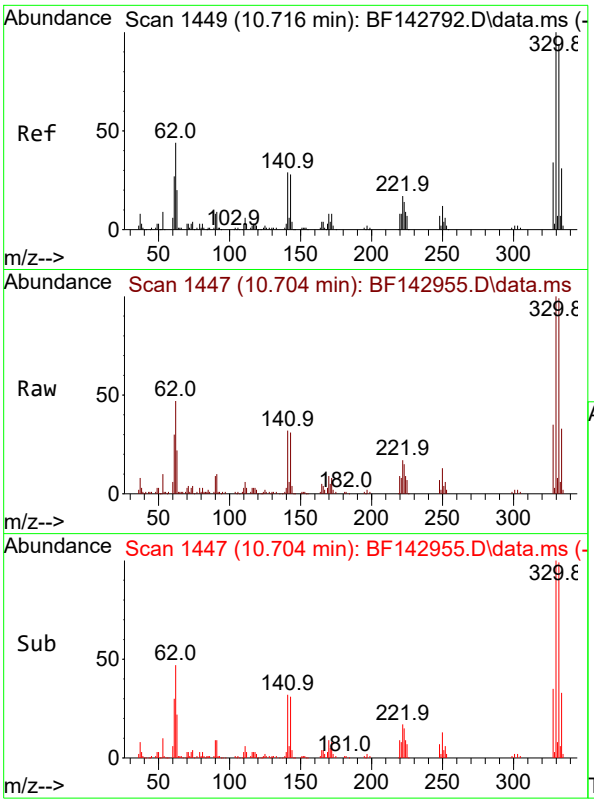


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Tgt Ion:164 Resp: 70254

Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.8	122.8
160	43.9	36.0	54.0



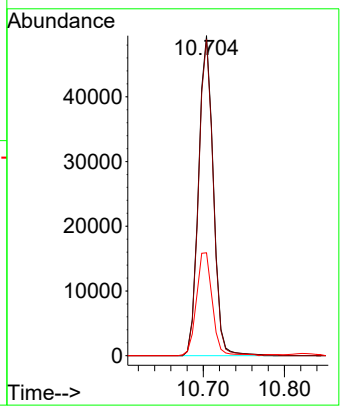


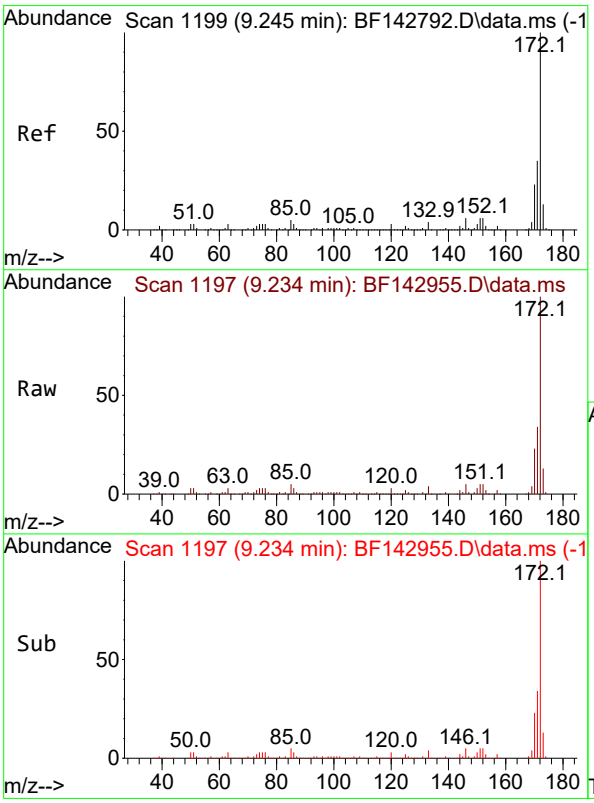
#42
2,4,6-Tribromophenol
Concen: 86.439 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Instrument :
BNA_F
ClientSampleId :
TP-60

Tgt Ion:330 Resp: 62492

Ion	Ratio	Lower	Upper
330	100		
332	97.7	75.0	112.6
141	34.7	25.3	37.9

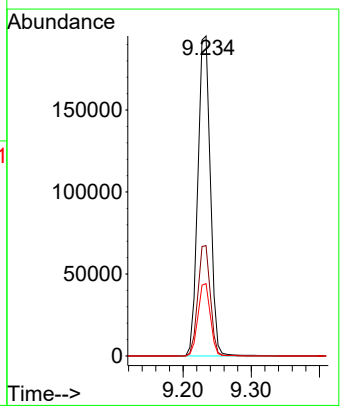


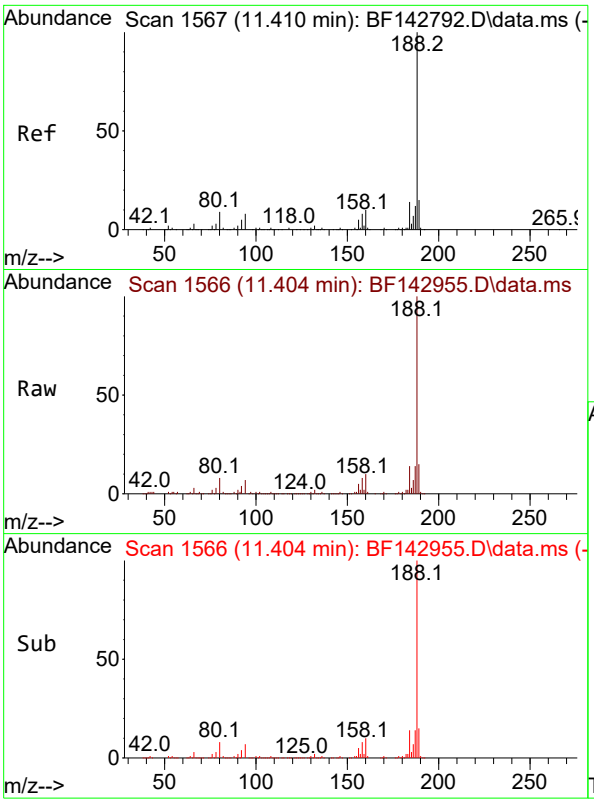


#45
2-Fluorobiphenyl
Concen: 46.549 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Tgt Ion:172 Resp: 248940

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.2	42.4
170	22.6	18.5	27.7



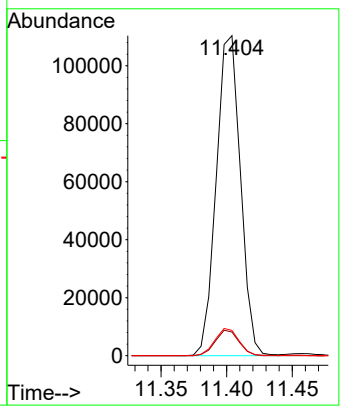


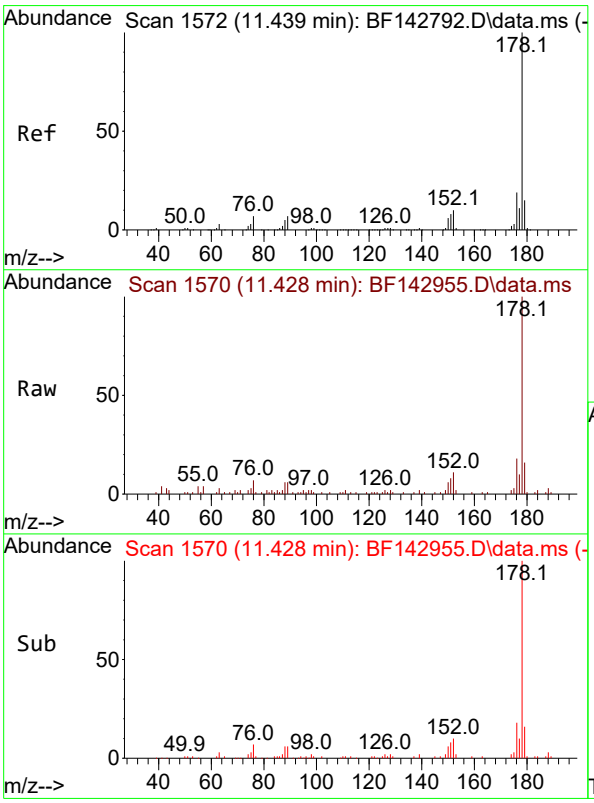
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Instrument :
BNA_F
ClientSampleId :
TP-60

Tgt Ion:188 Resp: 141628

Ion	Ratio	Lower	Upper
188	100		
94	7.4	6.7	10.1
80	7.9	6.9	10.3

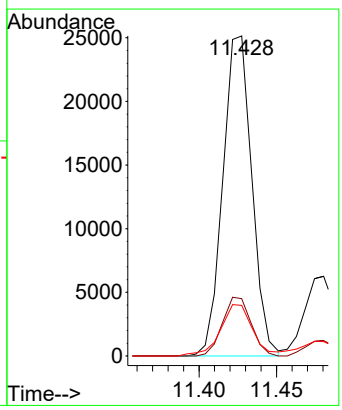


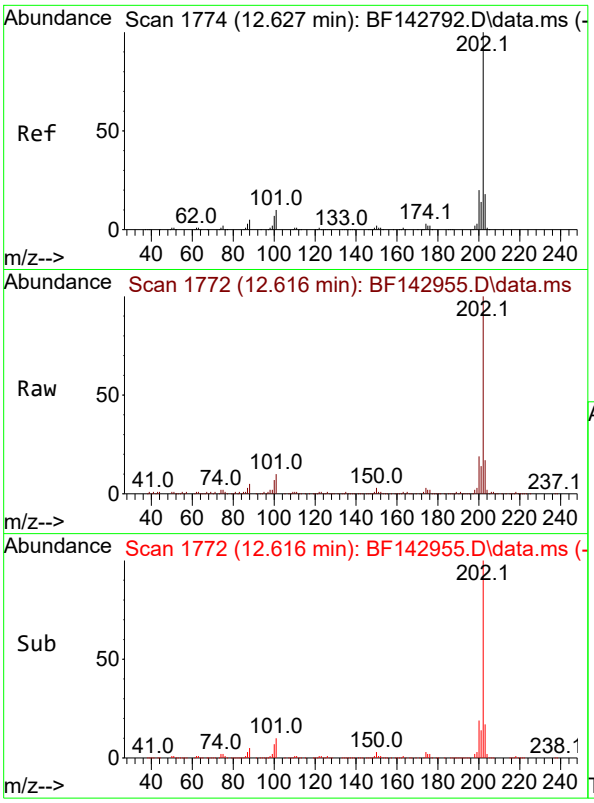


#71
Phenanthrene
Concen: 4.260 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Tgt Ion:178 Resp: 32686

Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.1	22.7
179	15.8	12.0	18.0



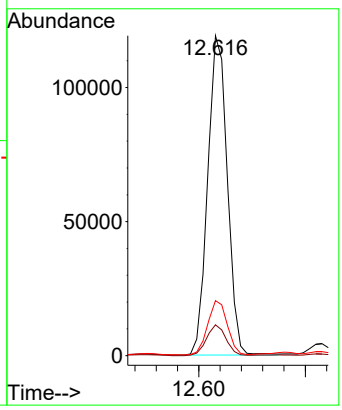


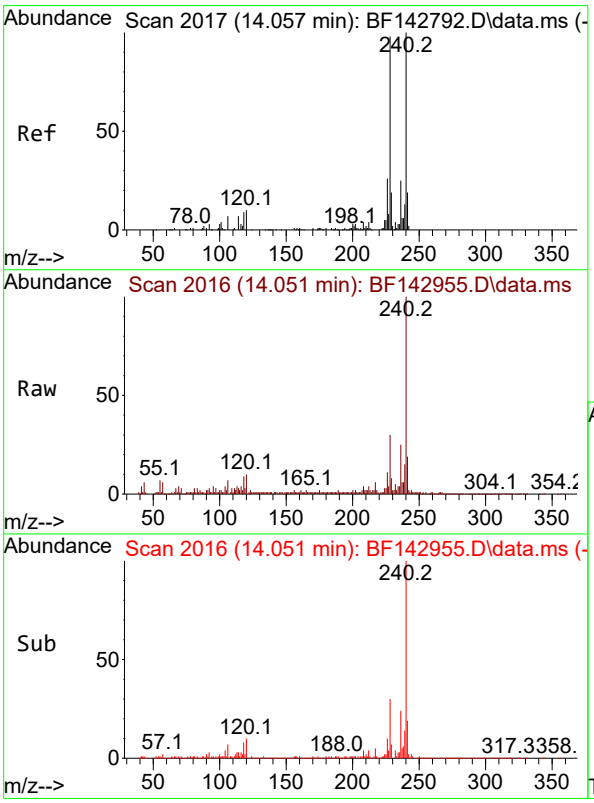
#75
Fluoranthene
Concen: 20.924 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Instrument :
BNA_F
ClientSampleId :
TP-60

Tgt Ion:202 Resp: 152352

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	29.7
203	17.2	0.0	37.5

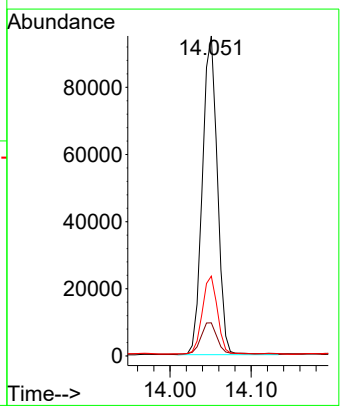


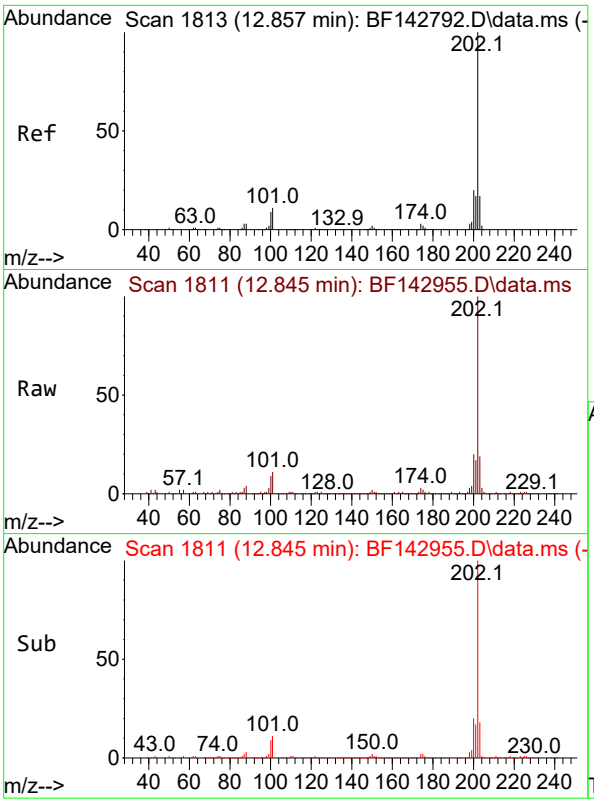


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Tgt Ion:240 Resp: 121309

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.2	12.2
236	24.9	19.8	29.8



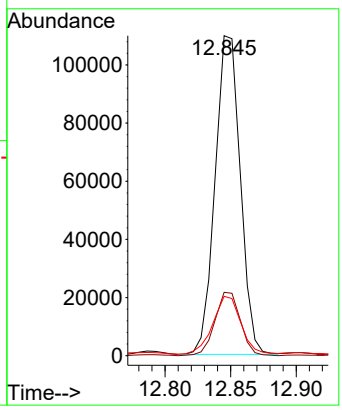


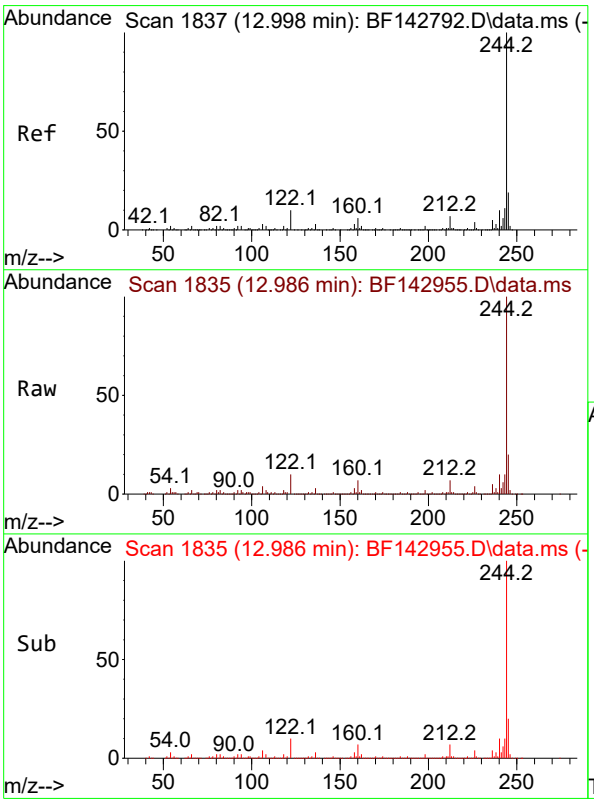
#78
Pyrene
Concen: 12.893 ng
RT: 12.845 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Instrument :
BNA_F
ClientSampleId :
TP-60

Tgt Ion:202 Resp: 146607

Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.7	23.5
203	18.6	13.8	20.6

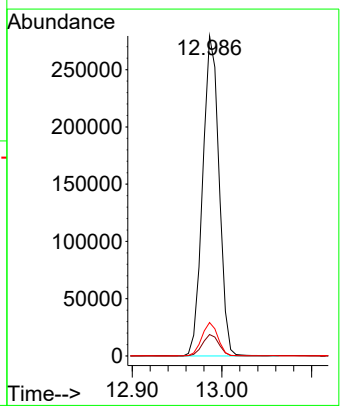


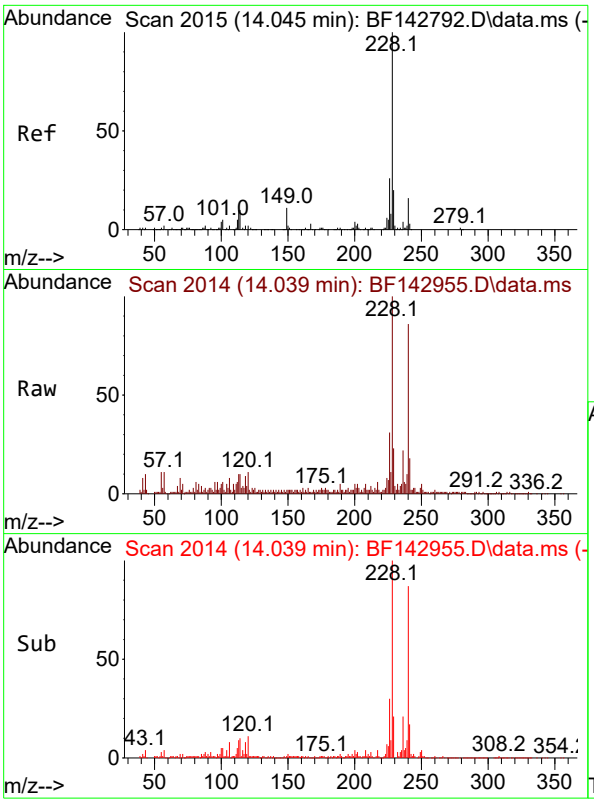


#79
Terphenyl-d14
Concen: 40.337 ng
RT: 12.986 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Tgt Ion:244 Resp: 354143

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.5	8.2	12.2



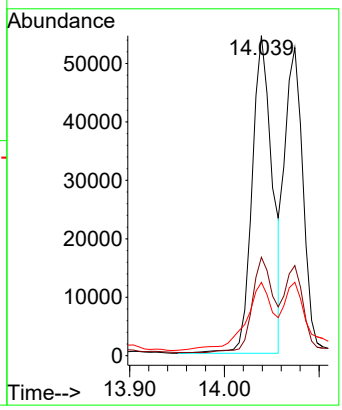


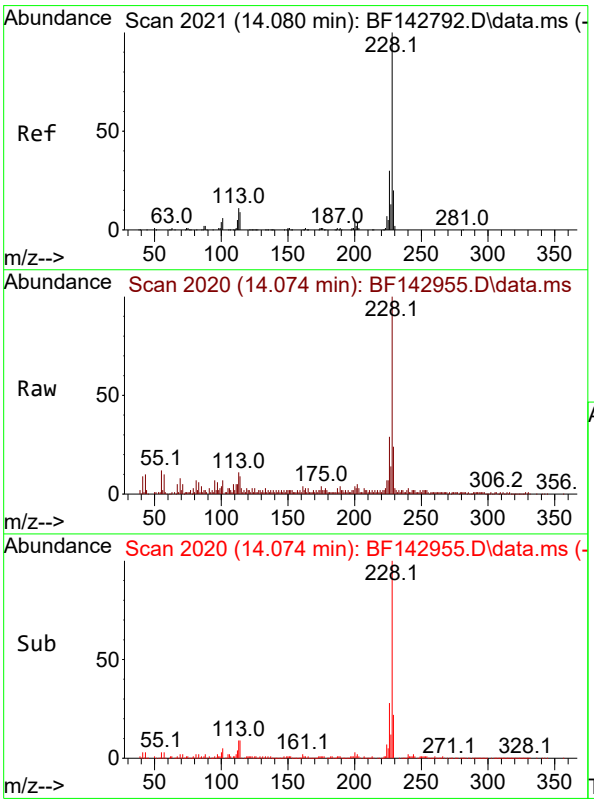
#81
Benzo(a)anthracene
Concen: 9.897 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Instrument :
BNA_F
ClientSampleId :
TP-60

Tgt Ion:228 Resp: 80992

Ion	Ratio	Lower	Upper
228	100		
226	30.7	21.2	31.8
229	22.9	15.6	23.4

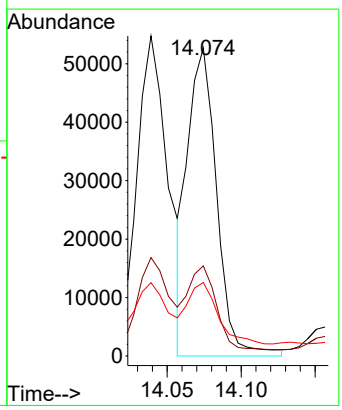


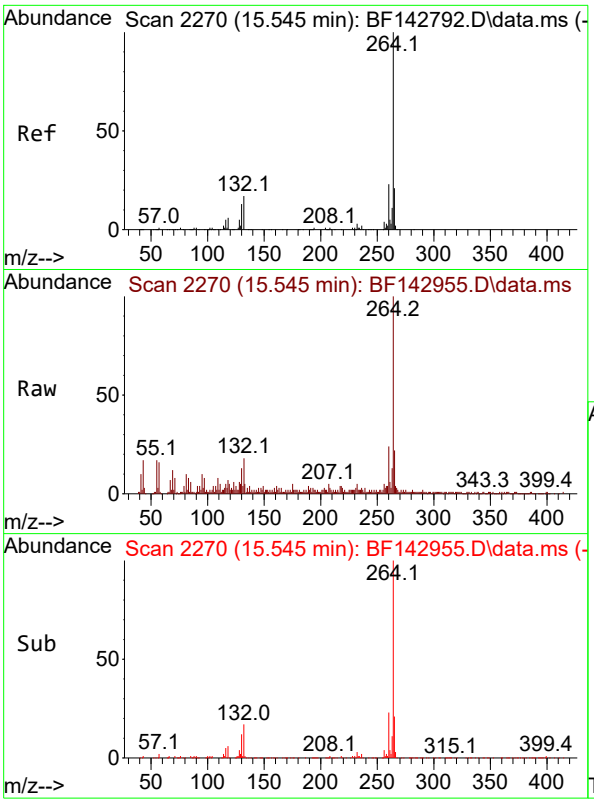


#83
Chrysene
Concen: 9.903 ng m
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Tgt Ion:228 Resp: 72314

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.7	35.5
229	23.9	15.7	23.5#



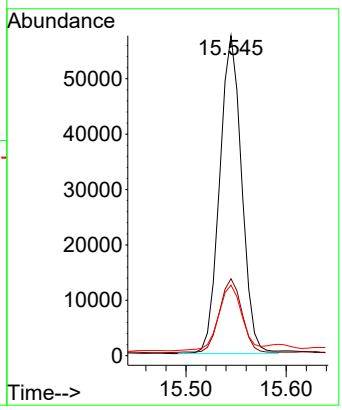


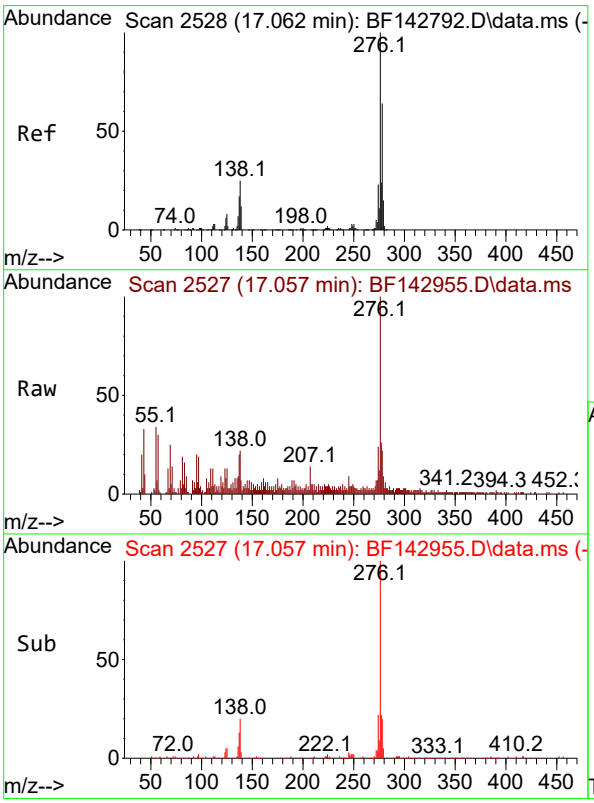
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Instrument :
BNA_F
ClientSampleId :
TP-60

Tgt Ion:264 Resp: 87498

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.1	27.1
265	22.1	16.6	25.0

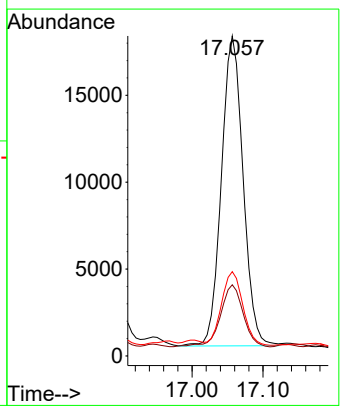


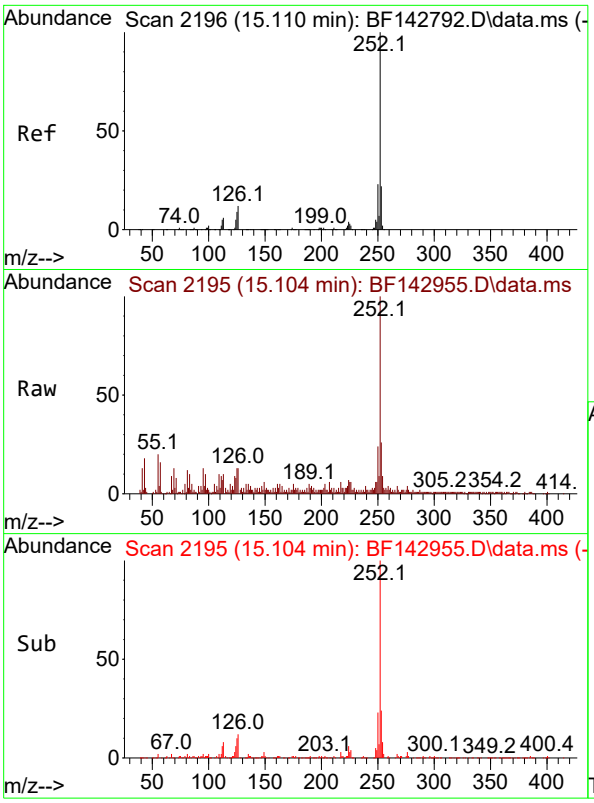


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.676 ng
RT: 17.057 min Scan# 2527
Delta R.T. -0.006 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Tgt Ion:276 Resp: 37828

Ion	Ratio	Lower	Upper
276	100		
138	21.6	20.2	30.4
277	23.2	19.8	29.6



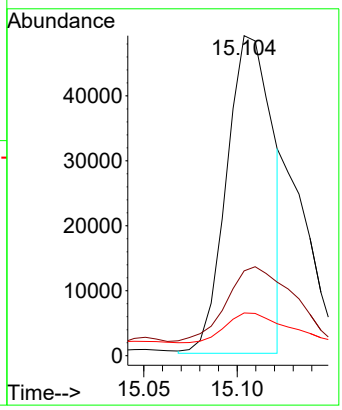


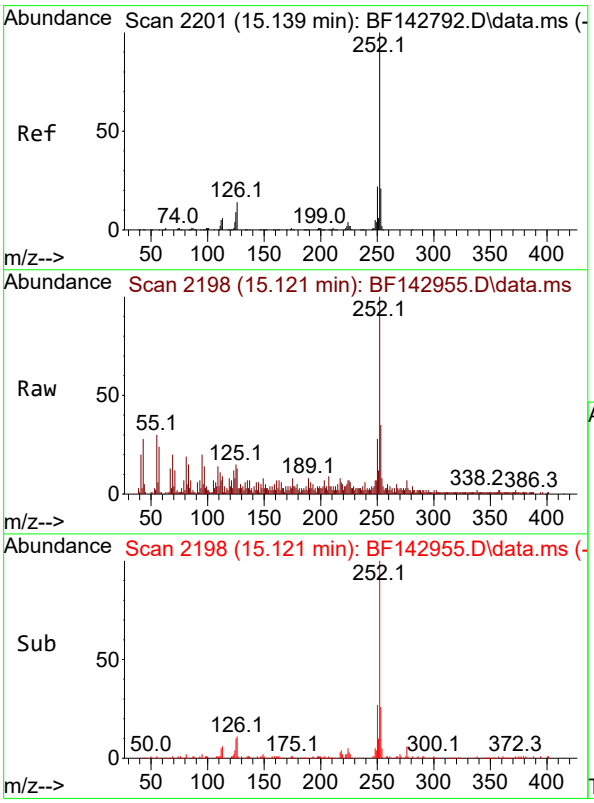
#88
Benzo(b)fluoranthene
Concen: 16.494 ng m
RT: 15.104 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Instrument :
BNA_F
ClientSampleId :
TP-60

Tgt Ion:252 Resp: 83510

Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.5	26.3#
125	13.3	7.4	11.0#

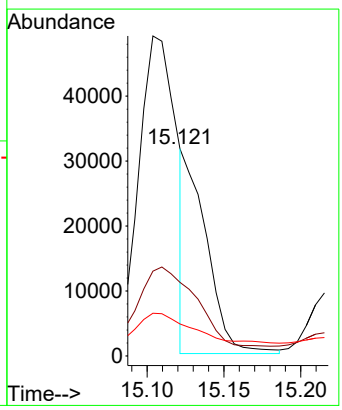


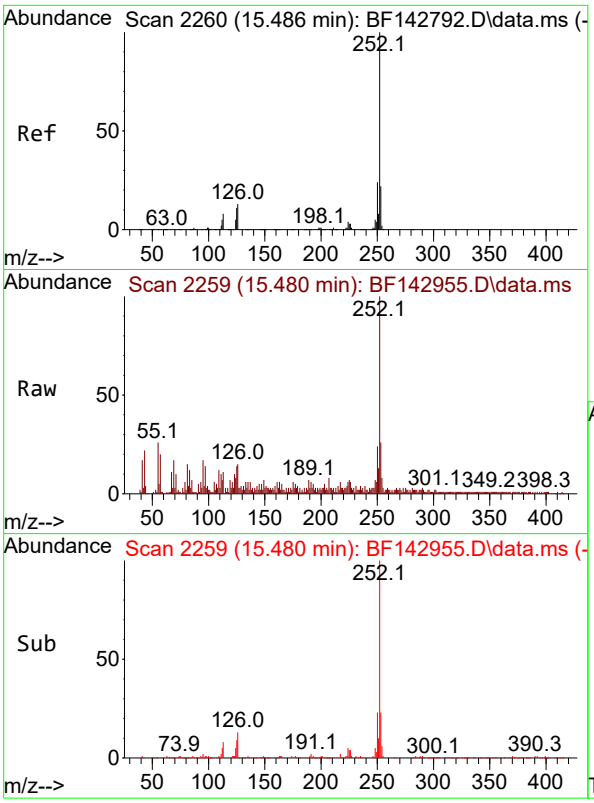


#89
Benzo(k)fluoranthene
Concen: 6.565 ng m
RT: 15.121 min Scan# 2198
Delta R.T. -0.018 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Tgt Ion:252 Resp: 31097

Ion	Ratio	Lower	Upper
252	100		
253	35.5	17.2	25.8#
125	15.5	7.4	11.2#



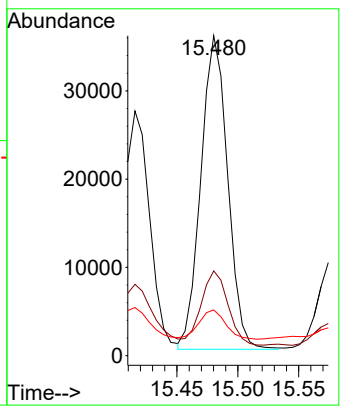


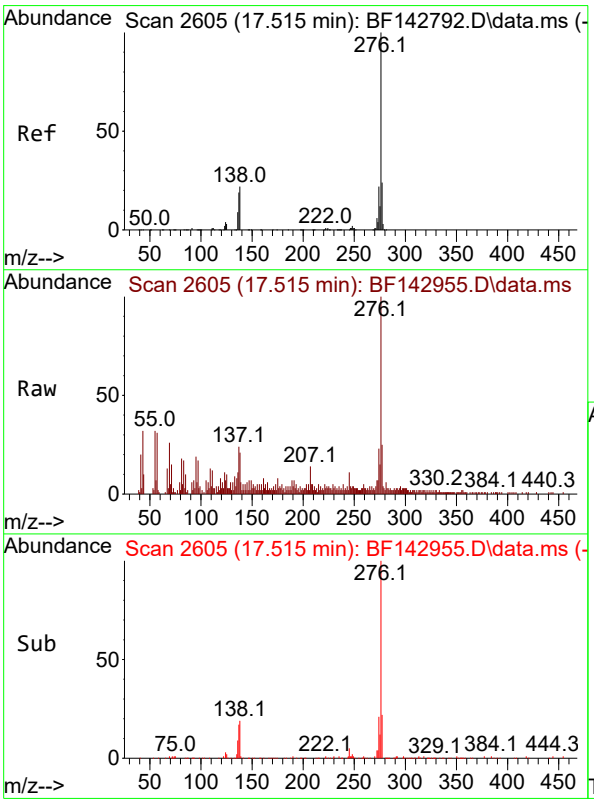
#90
Benzo(a)pyrene
Concen: 11.134 ng
RT: 15.480 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Instrument :
BNA_F
ClientSampleId :
TP-60

Tgt Ion:252 Resp: 54461

Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.5	26.3#
125	14.3	8.6	12.8#

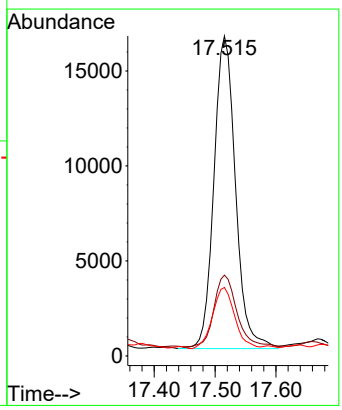




#92
Benzo(g,h,i)perylene
Concen: 7.498 ng
RT: 17.515 min Scan# 2605
Delta R.T. 0.000 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Tgt Ion:276 Resp: 40486

Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.8	28.2
138	21.4	17.6	26.4



Sample Results: **BF142955.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142955.D
Acq On : 01 Jul 2025 18:00
Operator : RC/JU
Sample : Q2458-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-60

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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142955.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.075	482	490	504	rBV	42024	63672	6.59%	0.825%
2	5.487	555	560	578	rBV	449093	595796	61.65%	7.719%
3	6.498	727	732	758	rBV	422616	543498	56.24%	7.042%
4	6.875	791	796	803	rBV	173477	220985	22.87%	2.863%
5	7.434	886	891	903	rBV	280193	347532	35.96%	4.503%
6	8.157	1006	1014	1021	rBV	205747	256712	26.56%	3.326%
7	9.228	1191	1196	1202	rBV	542018	685059	70.88%	8.876%
8	9.310	1206	1210	1215	rVV3	7920	10980	1.14%	0.142%
9	9.622	1259	1263	1270	rBV3	12672	22149	2.29%	0.287%
10	9.775	1285	1289	1293	rBV	24118	30643	3.17%	0.397%
11	9.833	1293	1299	1303	rVB3	6639	12352	1.28%	0.160%
12	9.910	1307	1312	1317	rBV	230777	289442	29.95%	3.750%
13	10.333	1377	1384	1387	rBV3	9571	16075	1.66%	0.208%
14	10.557	1417	1422	1428	rBV2	11174	18300	1.89%	0.237%
15	10.622	1428	1433	1439	rVV	58591	78555	8.13%	1.018%
16	10.704	1440	1447	1457	rVV	370765	485872	50.27%	6.295%
17	10.822	1461	1467	1475	rVB	26231	46113	4.77%	0.597%
18	11.157	1517	1524	1529	rVB9	4404	11911	1.23%	0.154%
19	11.257	1537	1541	1544	rBV2	12749	18495	1.91%	0.240%
20	11.292	1544	1547	1553	rVB3	18583	27828	2.88%	0.361%
21	11.404	1560	1566	1575	rBV2	272363	442294	45.77%	5.730%
22	11.475	1575	1578	1581	rVV	14343	19351	2.00%	0.251%
23	11.510	1582	1584	1590	rVB6	5966	9919	1.03%	0.129%
24	11.639	1602	1606	1610	rBV4	11191	16495	1.71%	0.214%
25	11.686	1610	1614	1619	rVB2	13817	18506	1.91%	0.240%
26	11.927	1647	1655	1662	rBV2	115418	204314	21.14%	2.647%
27	12.016	1666	1670	1677	rVB	32744	61379	6.35%	0.795%
28	12.092	1680	1683	1687	rBV	12573	16352	1.69%	0.212%
29	12.198	1698	1701	1704	rBV	11588	14885	1.54%	0.193%
30	12.227	1704	1706	1712	rVB4	14180	16447	1.70%	0.213%
31	12.345	1721	1726	1729	rBV3	8894	17959	1.86%	0.233%
32	12.380	1729	1732	1739	rVB2	11452	18362	1.90%	0.238%
33	12.451	1741	1744	1747	rBV	21927	31892	3.30%	0.413%
34	12.486	1747	1750	1756	rVB5	20378	30598	3.17%	0.396%
35	12.545	1756	1760	1763	rBV	14667	21657	2.24%	0.281%
36	12.616	1768	1772	1777	rBV	261763	334083	34.57%	4.328%

Sample Results: **BF142955.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142955.D
Acq On : 01 Jul 2025 18:00
Operator : RC/JU
Sample : Q2458-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-60

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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.710	1785	1788	1792	rBV2	24963	36457	3.77%	0.472%
38	12.845	1805	1811	1818	rBV	245431	379845	39.30%	4.921%
39	12.986	1830	1835	1843	rVB	739203	966443	100.00%	12.521%
40	13.069	1845	1849	1855	rBV2	24082	45809	4.74%	0.594%
41	13.280	1882	1885	1889	rBV2	31331	42589	4.41%	0.552%
42	14.045	2010	2015	2019	rBV2	336549	583850	60.41%	7.564%
43	15.104	2192	2195	2203	rVB	117947	231886	23.99%	3.004%
44	15.545	2266	2270	2289	rVB2	180101	375080	38.81%	4.860%

Sum of corrected areas: 7718421

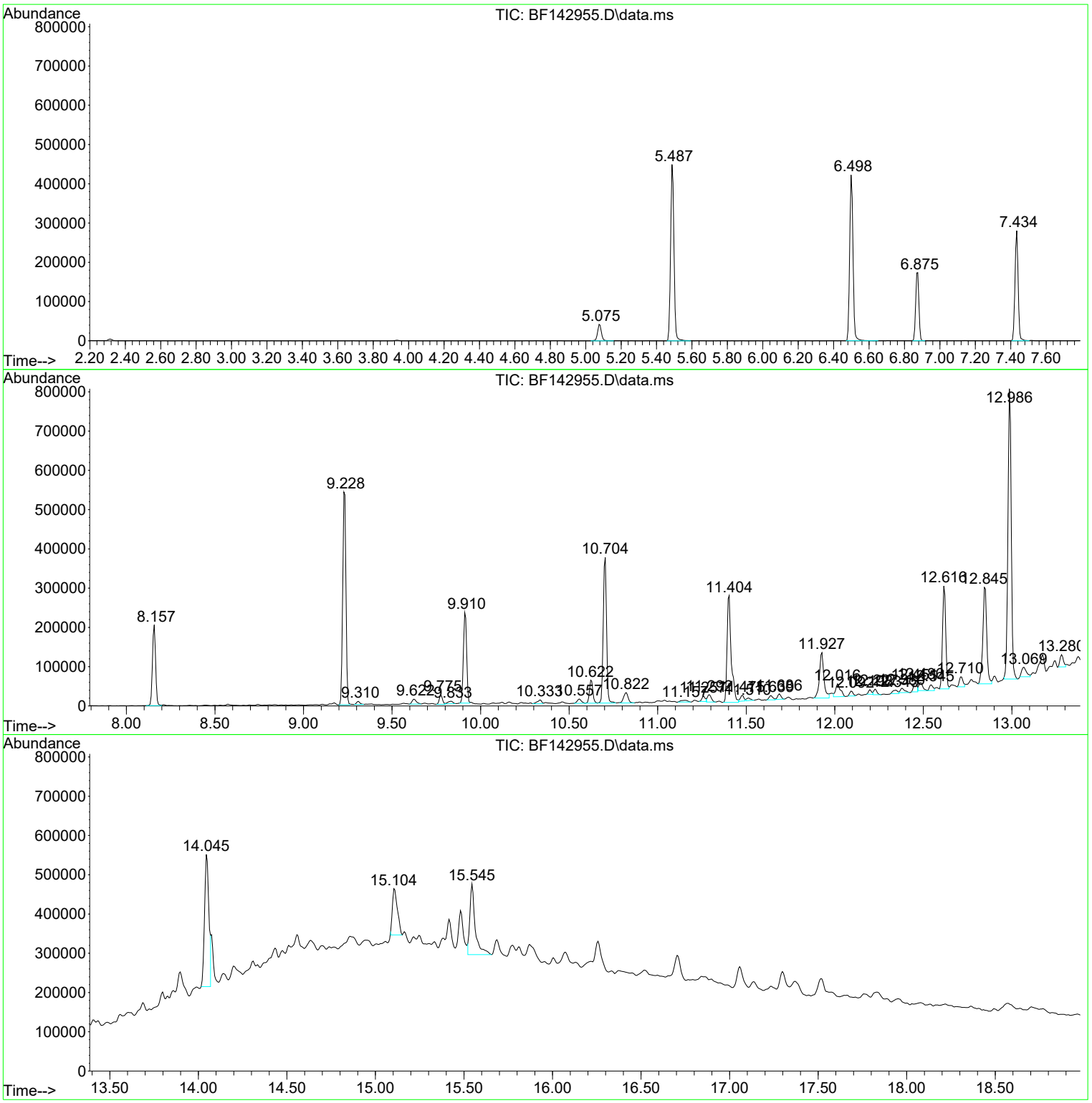
Sample Results: **BF142955.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142955.D
Acq On : 01 Jul 2025 18:00
Operator : RC/JU
Sample : Q2458-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-60

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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\BF070125\
Data File : BF142955.D
Acq On : 01 Jul 2025 18:00
Operator : RC/JU
Sample : Q2458-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-60

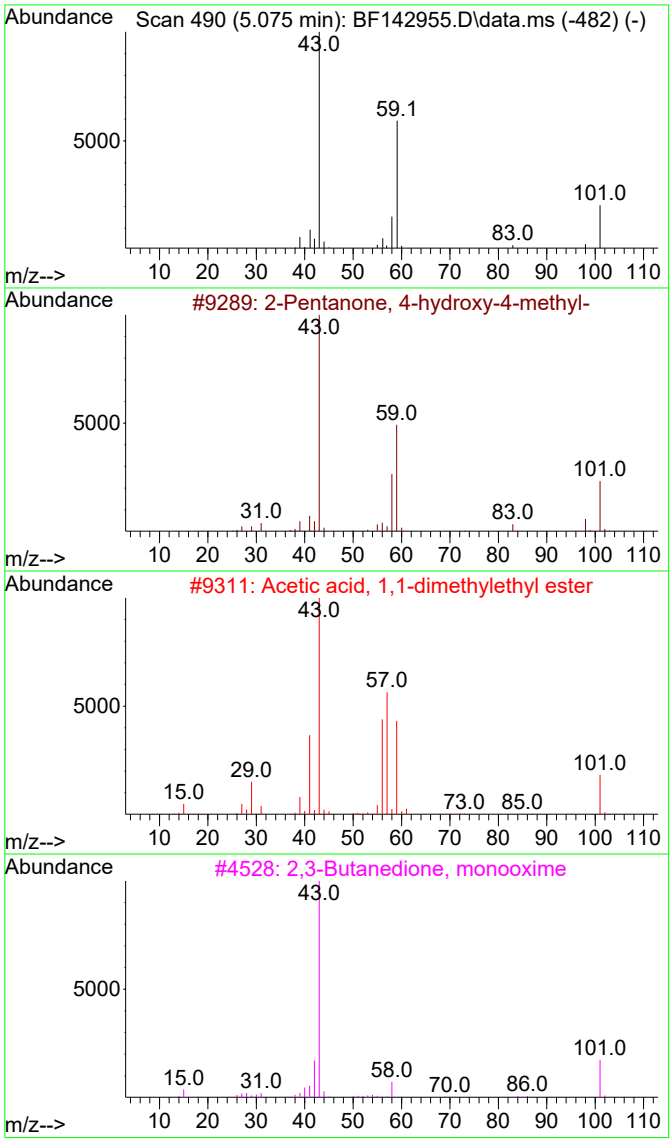
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

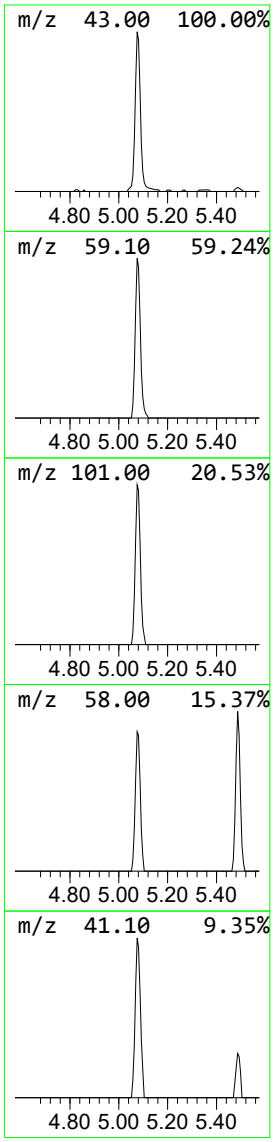
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.075	5.76 ng	63672	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	38
4	3-Octanol	130	C8H18O	000589-98-0	33
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142955.D
Acq On : 01 Jul 2025 18:00
Operator : RC/JU
Sample : Q2458-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-60

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

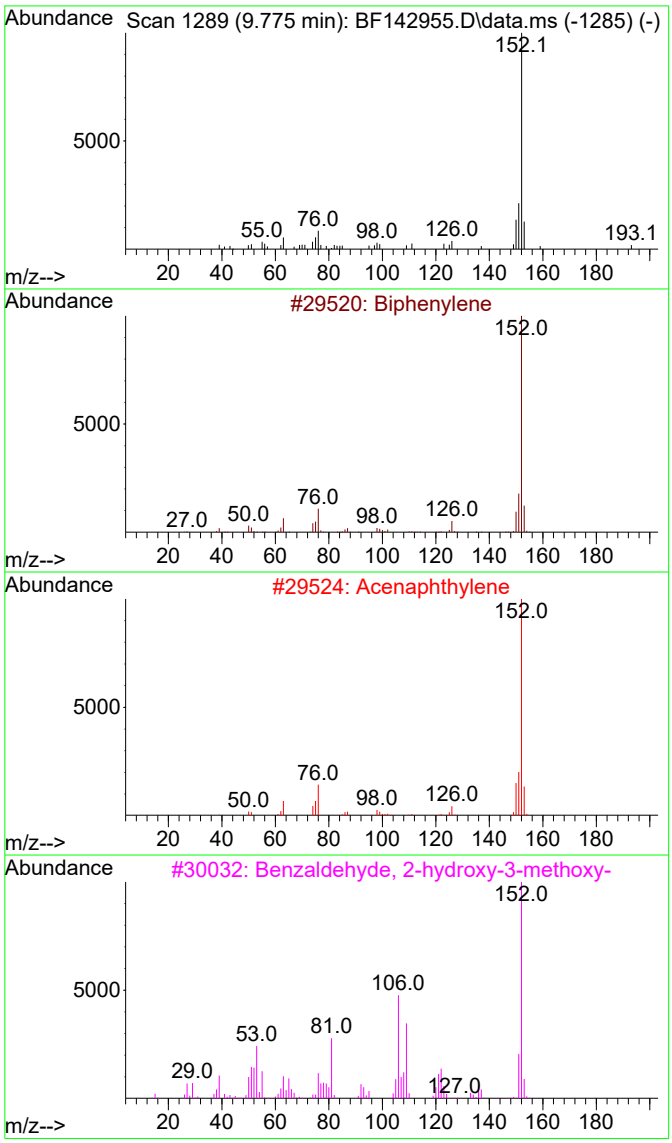
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TIC Integration Parameters: LSCINT.P

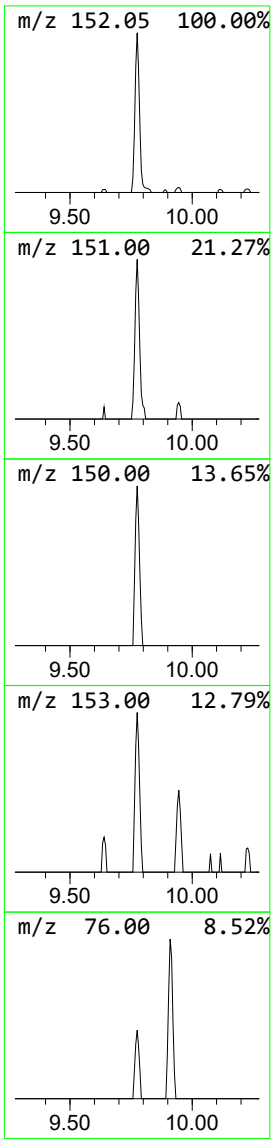
****

Peak Number 2 Biphenylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.775	2.12 ng	30643	Acenaphthene-d10	9.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene	152	C12H8	000259-79-0	87
2	Acenaphthylene	152	C12H8	000208-96-8	87
3	Benzaldehyde, 2-hydroxy-3-methoxy-	152	C8H8O3	000148-53-8	64
4	5,6-Dihydro-4-methylthieno(2,3-d...	152	C7H8N2S	092204-06-3	59
5	4-Methylbenzoic acid, (octahydro...	287	C18H25NO2	1000310-94-6	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142955.D
Acq On : 01 Jul 2025 18:00
Operator : RC/JU
Sample : Q2458-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-60

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

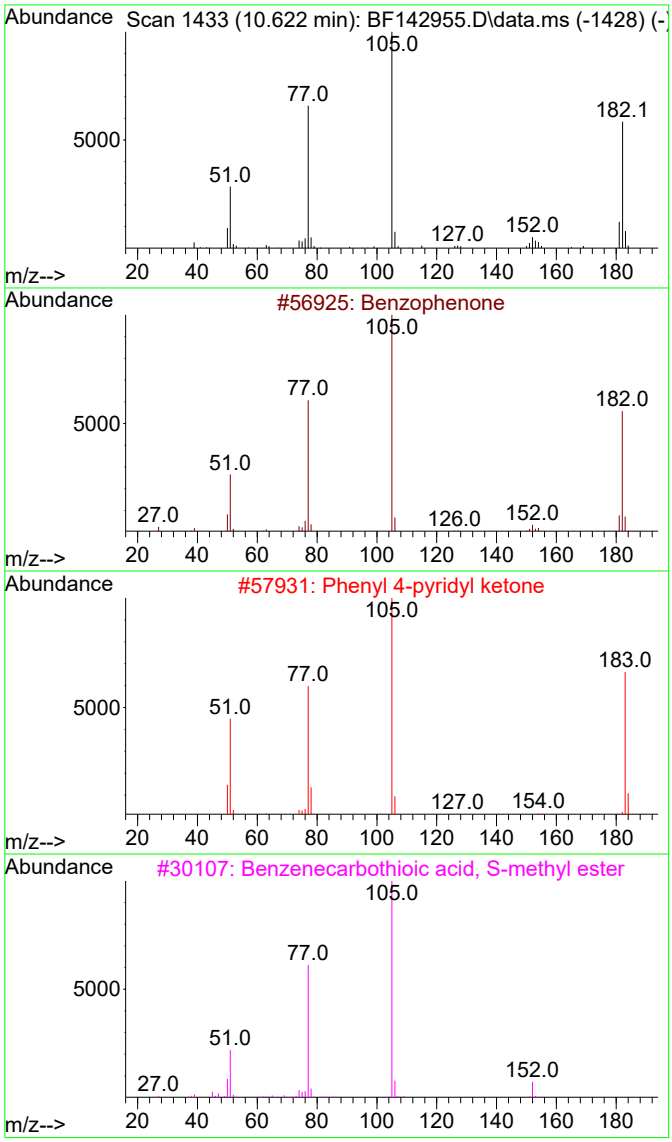
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TIC Integration Parameters: LSCINT.P

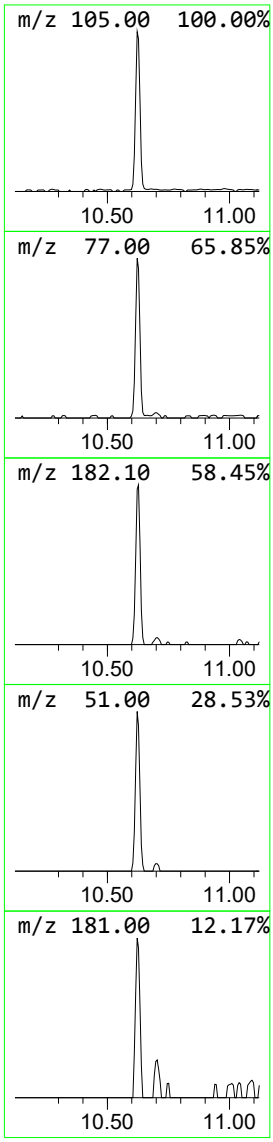
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Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.622	5.43 ng	78555	Acenaphthene-d10	9.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	60
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	49
4	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	46
5	Benzoylformic acid	150	C8H6O3	000611-73-4	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142955.D
Acq On : 01 Jul 2025 18:00
Operator : RC/JU
Sample : Q2458-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-60

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

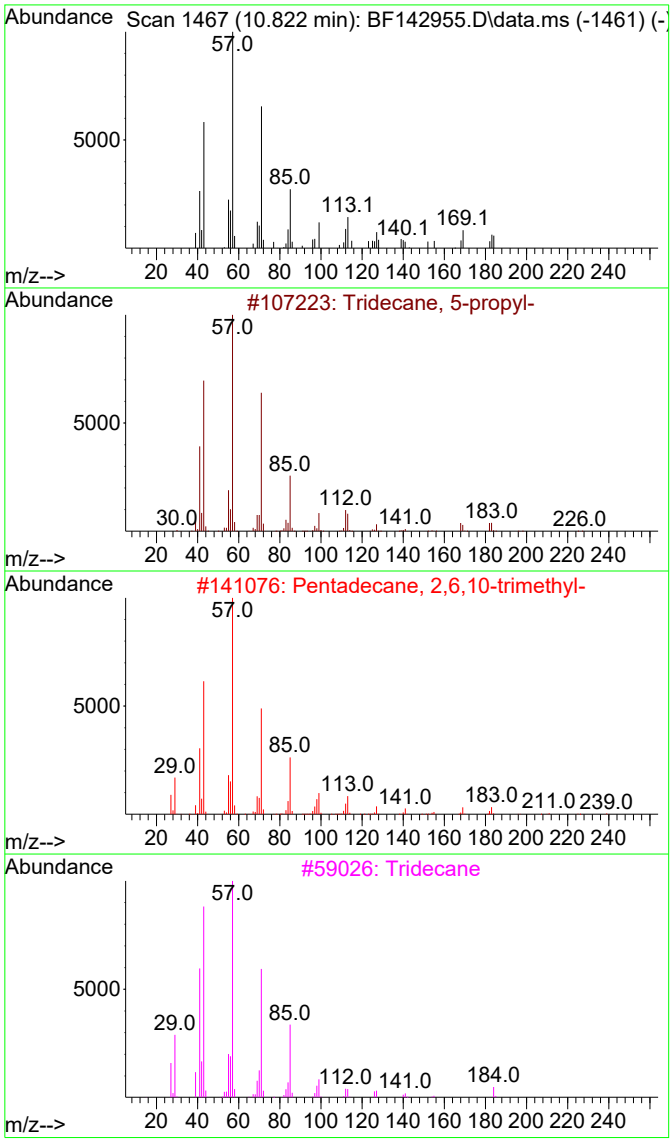
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

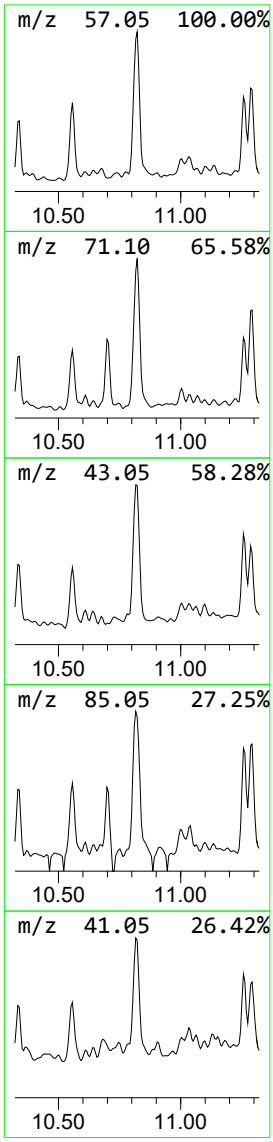
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Peak Number 4 Tridecane, 5-propyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.822	2.09 ng	46113	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	86
2	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	80
3	Tridecane	184	C13H28	000629-50-5	74
4	3-Ethyl-2,6,10-trimethylundecane	226	C16H34	1000432-25-9	72
5	Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142955.D
Acq On : 01 Jul 2025 18:00
Operator : RC/JU
Sample : Q2458-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-60

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

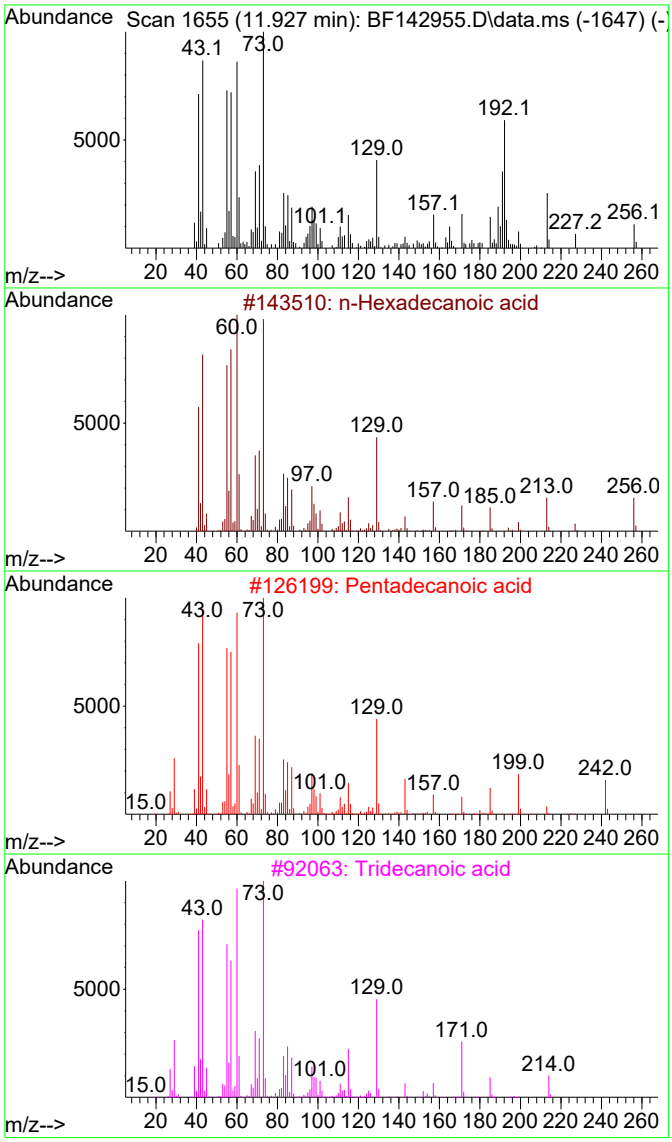
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

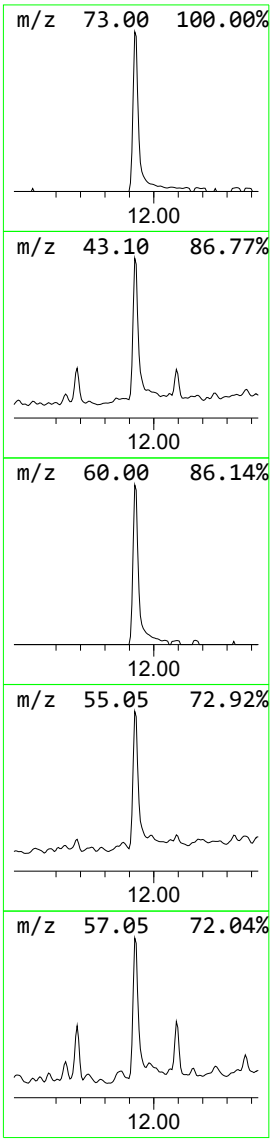
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Peak Number 5 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.928	9.24 ng	204314	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
3	Tridecanoic acid	214	C13H26O2	000638-53-9	78
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	59
5	n-Decanoic acid	172	C10H20O2	000334-48-5	55





Sample Results: **BF142955.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142955.D
Acq On : 01 Jul 2025 18:00
Operator : RC/JU
Sample : Q2458-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-60

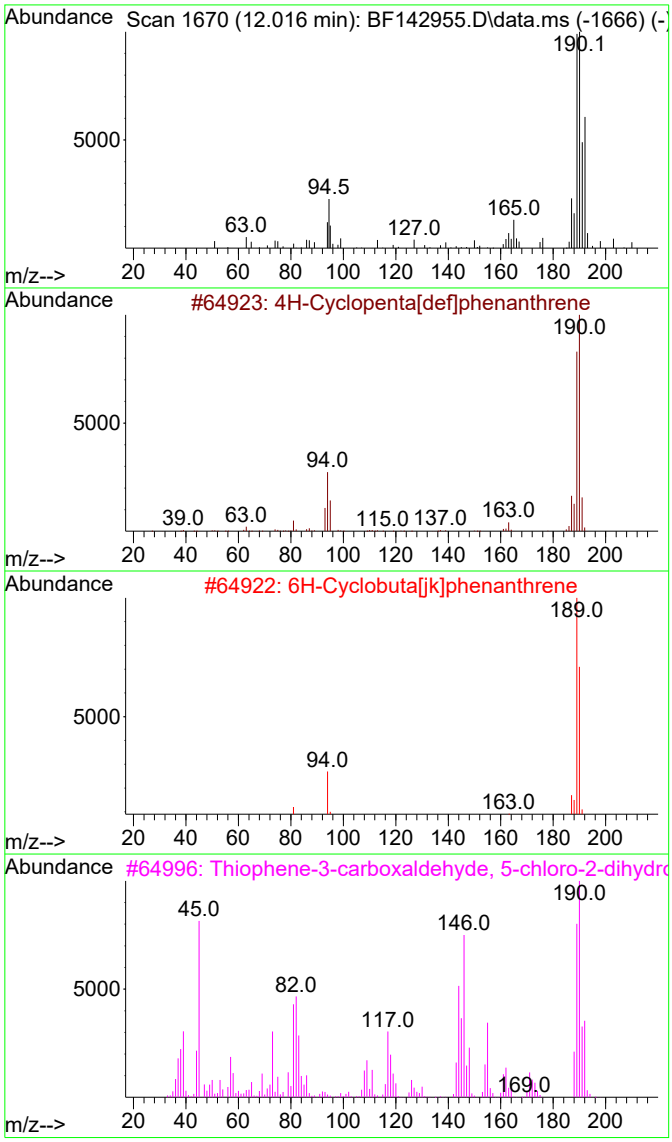
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

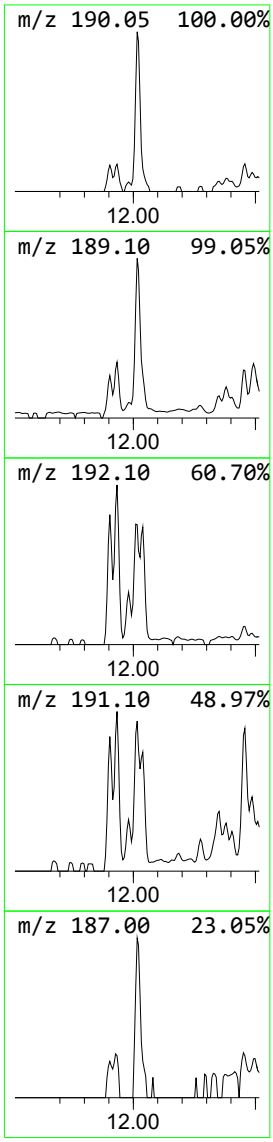
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.016	2.78 ng	61379	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	45
5	4,6-Dichloro-2-ethylpyrimidin-5-...	191	C6H7Cl2N3	006237-96-3	32





Sample Results: **BF142955.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142955.D
Acq On : 01 Jul 2025 18:00
Operator : RC/JU
Sample : Q2458-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-60

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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-...	5.075	5.8	ng	63672	1	6.875	220985	20.0
Biphenylene	9.775	2.1	ng	30643	3	9.910	289442	20.0
Benzophenone	10.622	5.4	ng	78555	3	9.910	289442	20.0
Tridecane, 5-pr...	10.822	2.1	ng	46113	4	11.404	442294	20.0
n-Hexadecanoic ...	11.928	9.2	ng	204314	4	11.404	442294	20.0
4H-Cyclopenta[d...	12.016	2.8	ng	61379	4	11.404	442294	20.0

Raw Data: **BF142954.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-62	SDG No.:	Q2458
Lab Sample ID:	Q2458-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.1
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
BF142954.D	1	07/01/25 09:30	07/01/25 17:29	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	360	ug/Kg
108-95-2	Phenol	24.2	U	24.2	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.6	U	26.6	190	ug/Kg
95-57-8	2-Chlorophenol	26.7	U	26.7	190	ug/Kg
95-48-7	2-Methylphenol	32.7	U	32.7	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	41.1	U	41.1	190	ug/Kg
98-86-2	Acetophenone	32.3	U	32.3	190	ug/Kg
65794-96-9	3+4-Methylphenols	45.0	U	45.0	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.9	U	51.9	87.6	ug/Kg
67-72-1	Hexachloroethane	19.3	U	19.3	190	ug/Kg
98-95-3	Nitrobenzene	20.0	U	20.0	190	ug/Kg
78-59-1	Isophorone	35.9	U	35.9	190	ug/Kg
88-75-5	2-Nitrophenol	63.7	U	63.7	190	ug/Kg
105-67-9	2,4-Dimethylphenol	70.9	U	70.9	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	33.7	U	33.7	190	ug/Kg
120-83-2	2,4-Dichlorophenol	31.0	U	31.0	190	ug/Kg
91-20-3	Naphthalene	24.9	U	24.9	190	ug/Kg
106-47-8	4-Chloroaniline	38.8	U	38.8	190	ug/Kg
87-68-3	Hexachlorobutadiene	27.7	U	27.7	190	ug/Kg
105-60-2	Caprolactam	57.0	U	57.0	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.4	U	31.4	190	ug/Kg
91-57-6	2-Methylnaphthalene	28.0	U	28.0	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.7	U	21.7	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	31.9	U	31.9	190	ug/Kg
92-52-4	1,1-Biphenyl	23.9	U	23.9	190	ug/Kg
91-58-7	2-Chloronaphthalene	24.6	U	24.6	190	ug/Kg
88-74-4	2-Nitroaniline	52.7	U	52.7	190	ug/Kg
131-11-3	Dimethylphthalate	29.7	U	29.7	190	ug/Kg

Raw Data: **BF142954.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-62	SDG No.:	Q2458
Lab Sample ID:	Q2458-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.1
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
BF142954.D	1	07/01/25 09:30	07/01/25 17:29	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.6	U	31.6	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	36.8	U	36.8	190	ug/Kg
99-09-2	3-Nitroaniline	50.4	U	50.4	190	ug/Kg
83-32-9	Acenaphthene	23.3	U	23.3	190	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	360	ug/Kg
132-64-9	Dibenzofuran	24.9	U	24.9	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	54.8	U	54.8	190	ug/Kg
84-66-2	Diethylphthalate	31.0	U	31.0	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29.2	U	29.2	190	ug/Kg
86-73-7	Fluorene	27.7	U	27.7	190	ug/Kg
100-01-6	4-Nitroaniline	70.3	U	70.3	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	36.0	U	36.0	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.4	U	30.4	190	ug/Kg
118-74-1	Hexachlorobenzene	27.7	U	27.7	190	ug/Kg
1912-24-9	Atrazine	37.2	U	37.2	190	ug/Kg
87-86-5	Pentachlorophenol	56.2	U	56.2	360	ug/Kg
85-01-8	Phenanthrene	22.9	U	22.9	190	ug/Kg
120-12-7	Anthracene	36.5	U	36.5	190	ug/Kg
86-74-8	Carbazole	34.2	U	34.2	190	ug/Kg
84-74-2	Di-n-butylphthalate	52.4	U	52.4	190	ug/Kg
206-44-0	Fluoranthene	32.8	U	32.8	190	ug/Kg
129-00-0	Pyrene	39.4	U	39.4	190	ug/Kg
85-68-7	Butylbenzylphthalate	78.2	UQ	78.2	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	40.2	U	40.2	360	ug/Kg
56-55-3	Benzo(a)anthracene	25.2	U	25.2	190	ug/Kg
218-01-9	Chrysene	21.8	U	21.8	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	64.8	U	64.8	190	ug/Kg
117-84-0	Di-n-octyl phthalate	95.0	U	95.0	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.8	U	20.8	190	ug/Kg

Raw Data: **BF142954.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-62	SDG No.:	Q2458
Lab Sample ID:	Q2458-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.1
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
BF142954.D	1	07/01/25 09:30	07/01/25 17:29	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	24.5	U	24.5	190	ug/Kg
50-32-8	Benzo(a)pyrene	32.3	U	32.3	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31.9	U	31.9	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	30.0	U	30.0	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	28.1	U	28.1	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	28.0	U	28.0	190	ug/Kg
123-91-1	1,4-Dioxane	49.5	U	49.5	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	30.0	U	30.0	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	65.6		18 - 112	44%	SPK: 150
13127-88-3	Phenol-d6	61.0		15 - 107	41%	SPK: 150
4165-60-0	Nitrobenzene-d5	45.1		18 - 107	45%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.1		20 - 109	48%	SPK: 100
118-79-6	2,4,6-Tribromophenol	76.5		10 - 116	51%	SPK: 150
1718-51-0	Terphenyl-d14	30.2		10 - 105	30%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	50400	6.875			
1146-65-2	Naphthalene-d8	167000	8.157			
15067-26-2	Acenaphthene-d10	75300	9.91			
1517-22-2	Phenanthrene-d10	138000	11.398			
1719-03-5	Chrysene-d12	149000	14.045			
1520-96-3	Perylene-d12	117000	15.539			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	190	AB		5.08	ug/Kg
000119-61-9	Benzophenone	160	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	310	J		11.9	ug/Kg
959085-66-6	Heptadecyl heptafluorobutyrate	190	J		13.9	ug/Kg

Raw Data: **BF142954.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-62	SDG No.:	Q2458
Lab Sample ID:	Q2458-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.1
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
BF142954.D	1	07/01/25 09:30	07/01/25 17:29	PB168674

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\BF070125\
Data File : BF142954.D
Acq On : 01 Jul 2025 17:29
Operator : RC/JU
Sample : Q2458-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-62

Quant Time: Jul 01 17:49:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

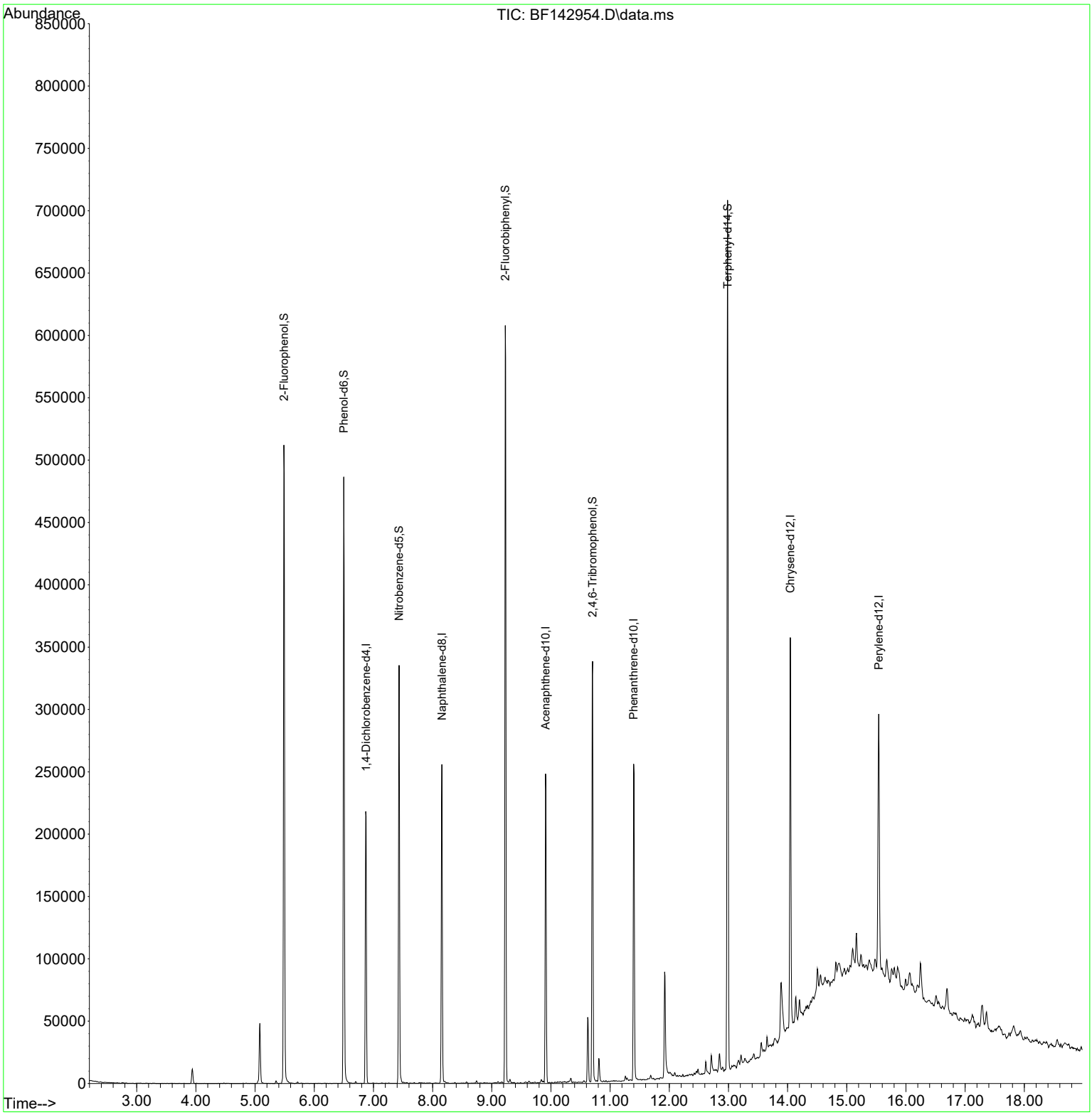
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	50422	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	167358	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	75314	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	137885	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	148822	20.000	ng	-0.01
86) Perylene-d12	15.539	264	117407	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	198796	65.642	ng	0.00
7) Phenol-d6	6.498	99	217893	60.983	ng	-0.01
23) Nitrobenzene-d5	7.434	82	137581	45.092	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	59306	76.521	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	275617	48.075	ng	-0.02
79) Terphenyl-d14	12.986	244	325214	30.194	ng	-0.01
Target Compounds						Qvalue

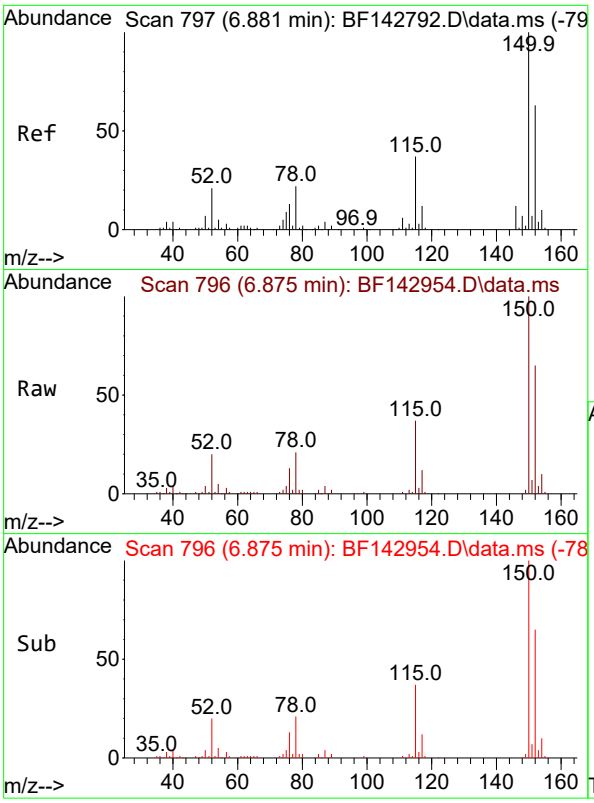
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142954.D
Acq On : 01 Jul 2025 17:29
Operator : RC/JU
Sample : Q2458-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-62

Quant Time: Jul 01 17:49:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



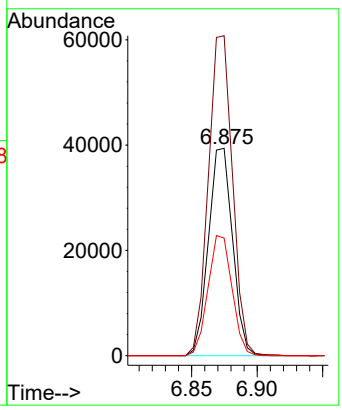


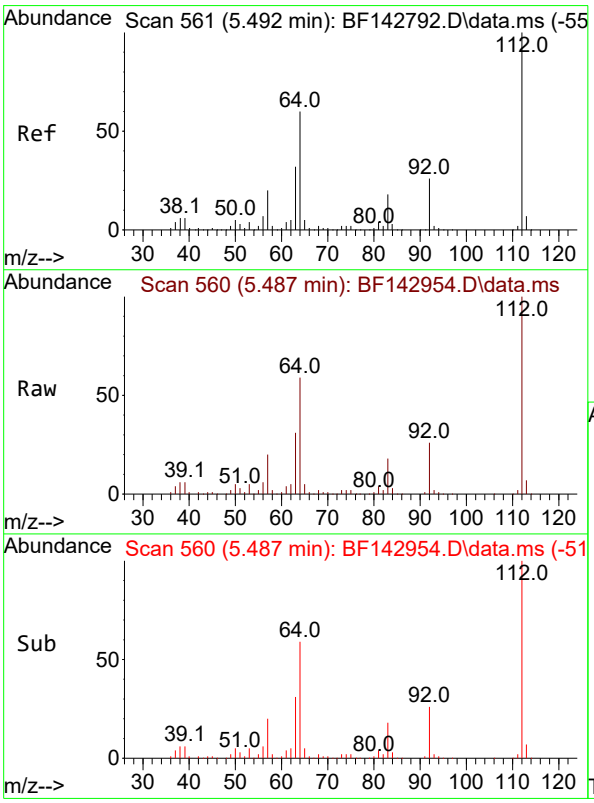
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142954.D
Acq: 01 Jul 2025 17:29

Instrument :
BNA_F
ClientSampleId :
TP-62

Tgt Ion:152 Resp: 50422

Ion	Ratio	Lower	Upper
152	100		
150	154.4	127.2	190.8
115	56.7	46.6	69.8

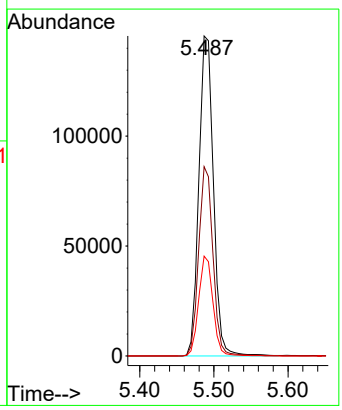


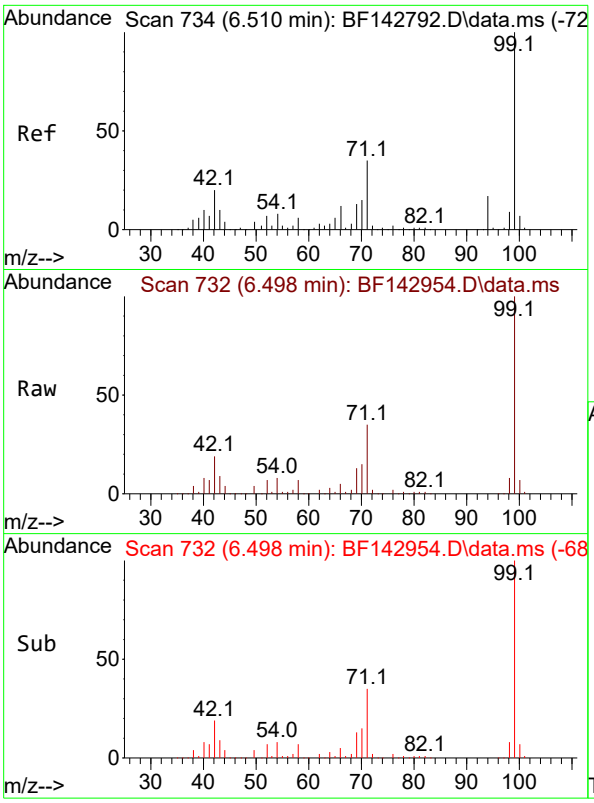


#5
2-Fluorophenol
Concen: 65.642 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF142954.D
Acq: 01 Jul 2025 17:29

Tgt Ion:112 Resp: 198796

Ion	Ratio	Lower	Upper
112	100		
64	59.2	48.2	72.2
63	31.2	25.7	38.5



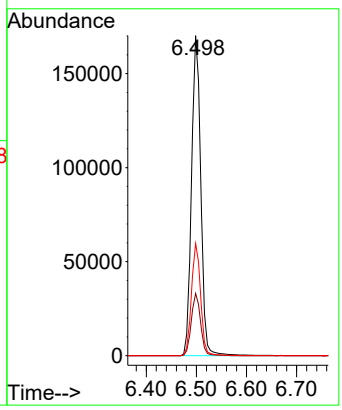


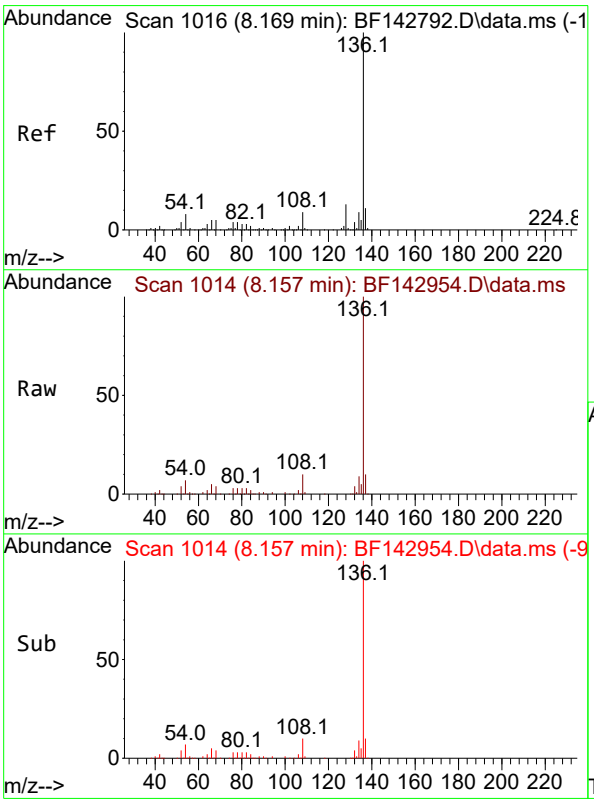
#7
Phenol-d6
Concen: 60.983 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142954.D
Acq: 01 Jul 2025 17:29

Instrument :
BNA_F
ClientSampleId :
TP-62

Tgt Ion: 99 Resp: 217893

Ion	Ratio	Lower	Upper
99	100		
42	19.5	15.9	23.9
71	35.0	27.8	41.8

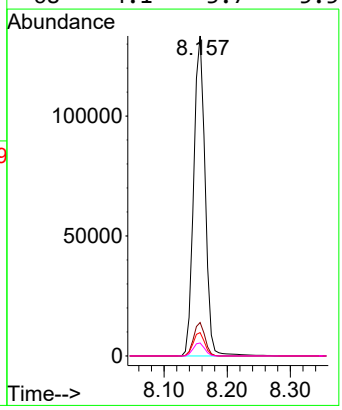


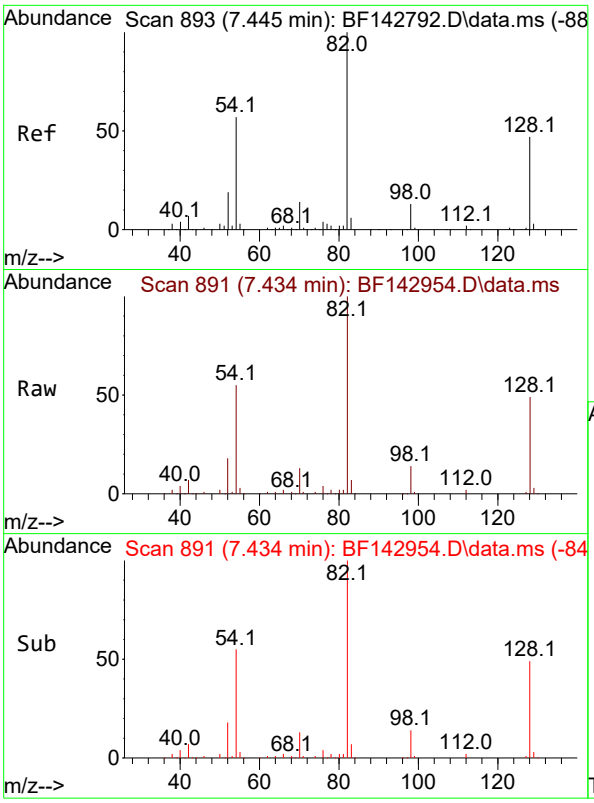


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142954.D
Acq: 01 Jul 2025 17:29

Tgt Ion:136 Resp: 167358

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	7.3	6.3	9.5
68	4.1	3.7	5.5



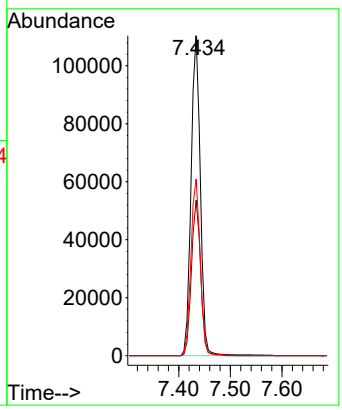


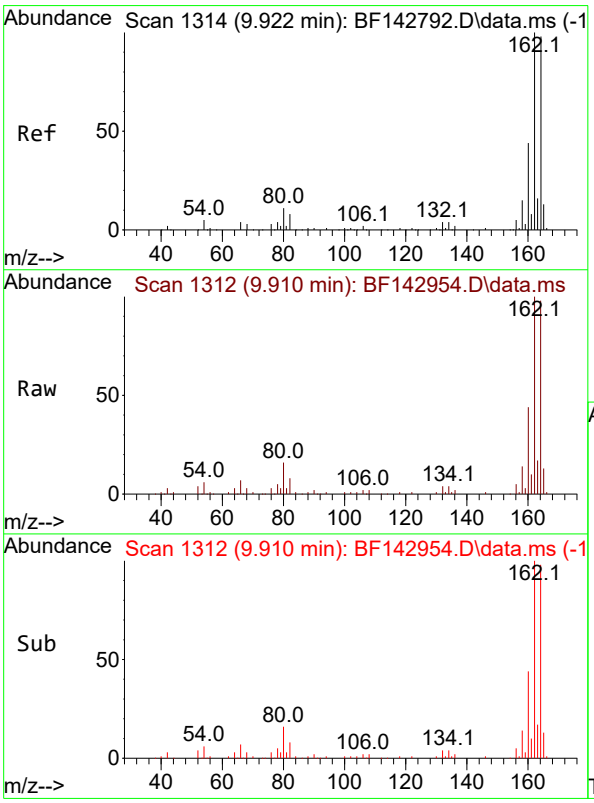
#23
Nitrobenzene-d5
Concen: 45.092 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF142954.D
Acq: 01 Jul 2025 17:29

Instrument :
BNA_F
ClientSampleId :
TP-62

Tgt Ion: 82 Resp: 137581

Ion	Ratio	Lower	Upper
82	100		
128	48.6	37.7	56.5
54	55.2	45.7	68.5

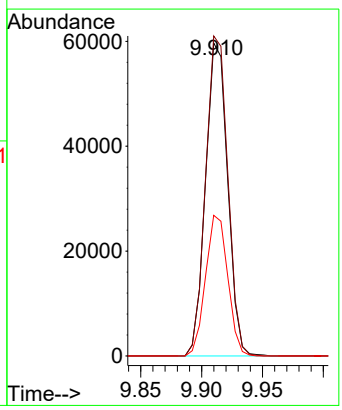


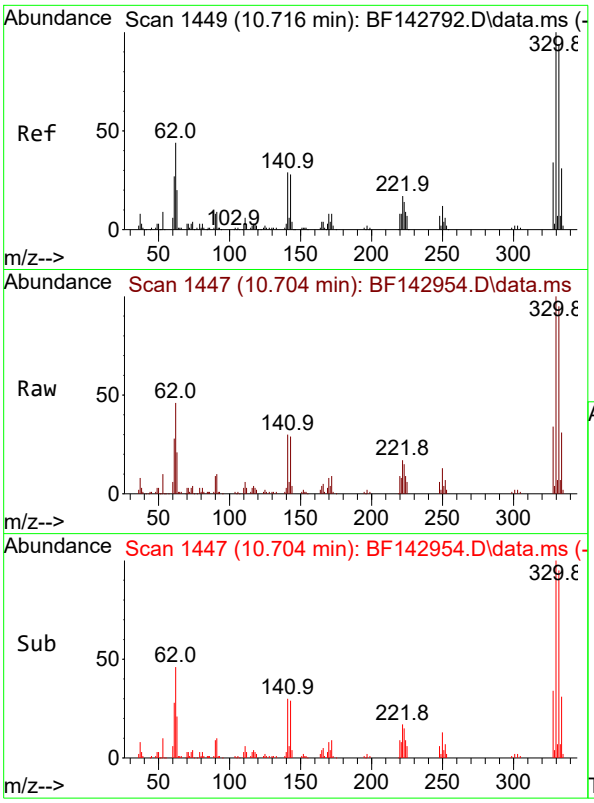


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142954.D
Acq: 01 Jul 2025 17:29

Tgt Ion:164 Resp: 75314

Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.8	122.8
160	44.9	36.0	54.0



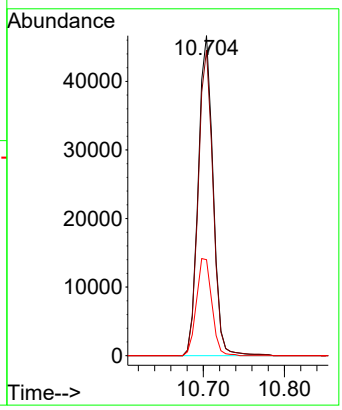


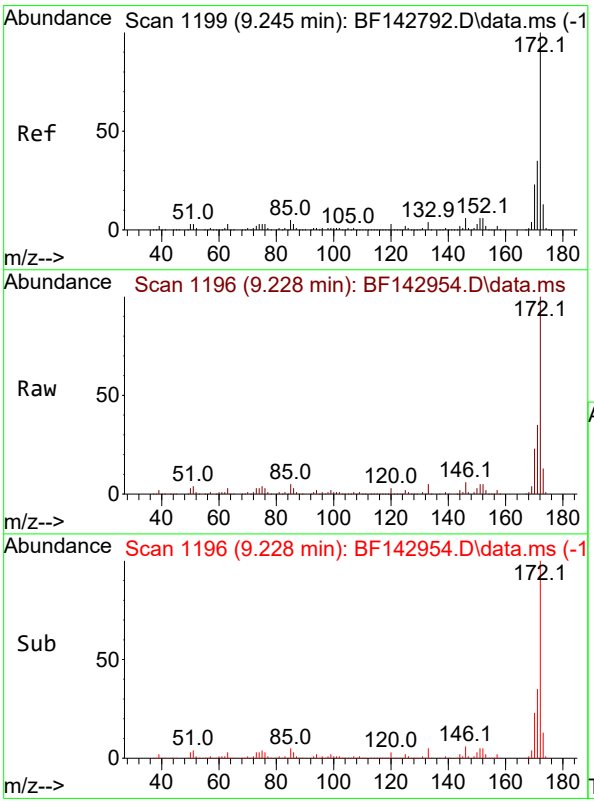
#42
2,4,6-Tribromophenol
Concen: 76.521 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142954.D
Acq: 01 Jul 2025 17:29

Instrument :
BNA_F
ClientSampleId :
TP-62

Tgt Ion:330 Resp: 59306

Ion	Ratio	Lower	Upper
330	100		
332	95.6	75.0	112.6
141	31.6	25.3	37.9

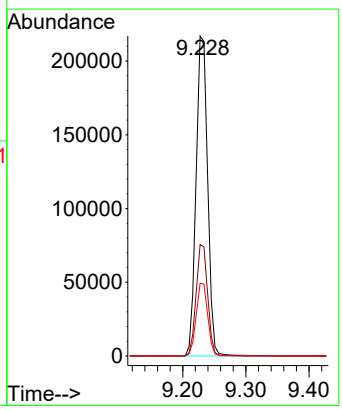


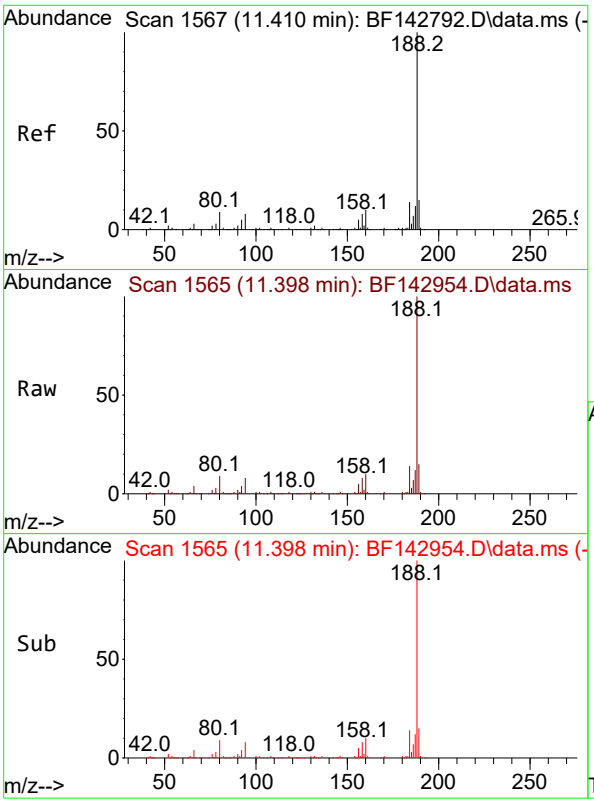


#45
2-Fluorobiphenyl
Concen: 48.075 ng
RT: 9.228 min Scan# 1196
Delta R.T. -0.017 min
Lab File: BF142954.D
Acq: 01 Jul 2025 17:29

Tgt Ion:172 Resp: 275617

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.2	42.4
170	22.7	18.5	27.7



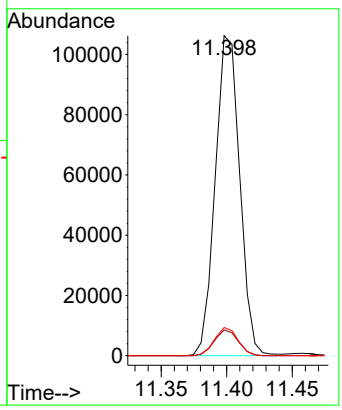


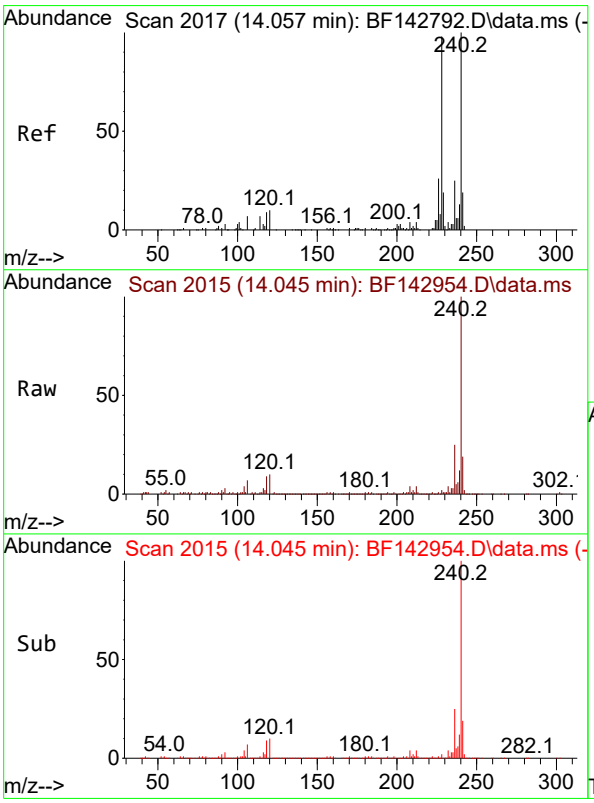
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142954.D
Acq: 01 Jul 2025 17:29

Instrument :
BNA_F
ClientSampleId :
TP-62

Tgt Ion:188 Resp: 137885

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.7	10.1
80	8.8	6.9	10.3

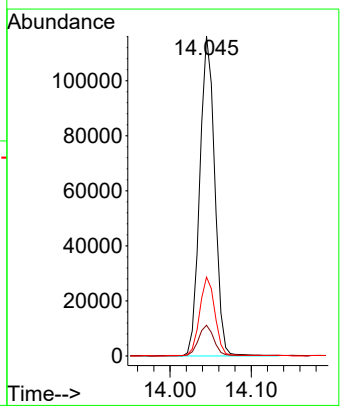


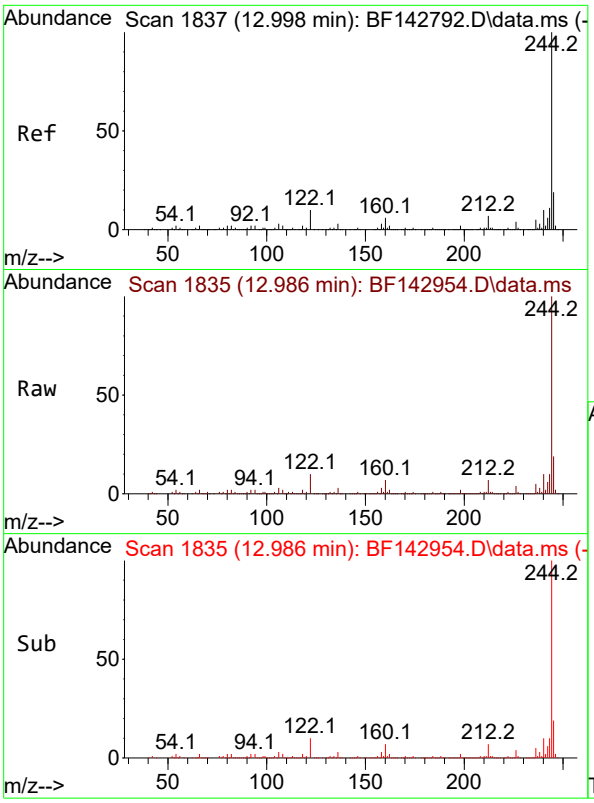


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF142954.D
Acq: 01 Jul 2025 17:29

Tgt Ion:240 Resp: 148822

Ion	Ratio	Lower	Upper
240	100		
120	9.6	8.2	12.2
236	24.7	19.8	29.8



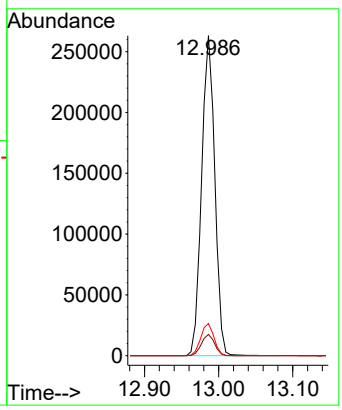


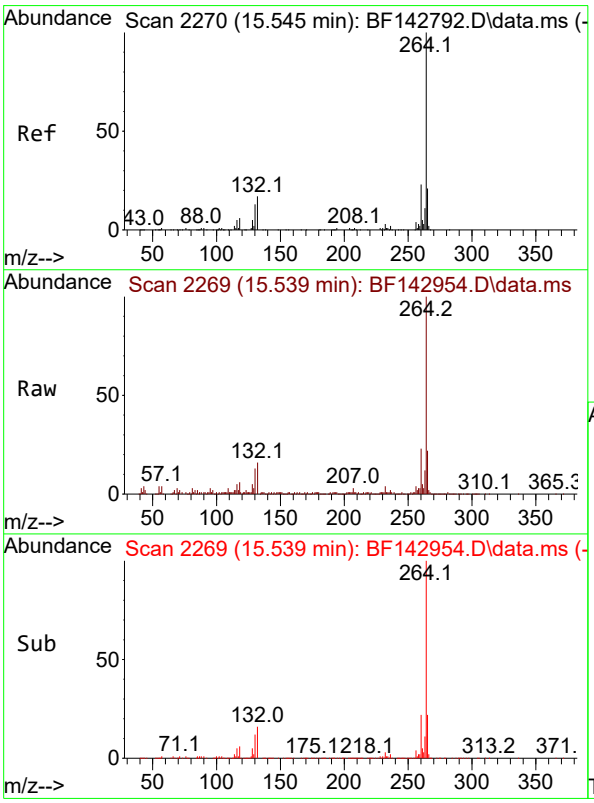
#79
Terphenyl-d14
Concen: 30.194 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142954.D
Acq: 01 Jul 2025 17:29

Instrument :
BNA_F
ClientSampleId :
TP-62

Tgt Ion:244 Resp: 325214

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.1	8.2	12.2

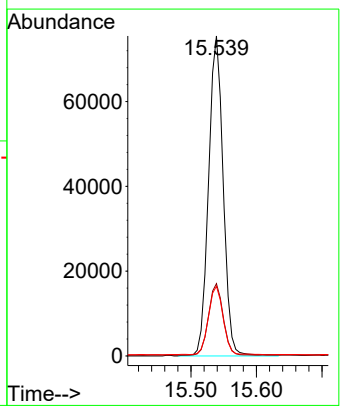




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF142954.D
Acq: 01 Jul 2025 17:29

Tgt Ion:264 Resp: 117407

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.1	27.1
265	21.8	16.6	25.0



Sample Results: **BF142954.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142954.D
Acq On : 01 Jul 2025 17:29
Operator : RC/JU
Sample : Q2458-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-62

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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142954.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.940	290	297	303	rBB	11713	18940	2.19%	0.299%
2	5.081	482	491	502	rBV	48374	73078	8.45%	1.153%
3	5.487	555	560	571	rVB	510524	678218	78.40%	10.698%
4	6.498	727	732	748	rBV	486313	619510	71.62%	9.772%
5	6.869	791	795	804	rBV	218032	276312	31.94%	4.358%
6	7.434	886	891	901	rBV	335103	414406	47.91%	6.537%
7	8.157	1009	1014	1020	rBV	254773	313119	36.20%	4.939%
8	9.228	1191	1196	1201	rBV	607601	754235	87.19%	11.897%
9	9.910	1308	1312	1319	rVB	247904	310049	35.84%	4.891%
10	10.622	1428	1433	1442	rBV	52134	67403	7.79%	1.063%
11	10.704	1442	1447	1456	rVV	337084	439893	50.85%	6.939%
12	10.810	1461	1465	1475	rVB	18865	26632	3.08%	0.420%
13	11.398	1560	1565	1573	rBV	253862	333233	38.52%	5.256%
14	11.922	1649	1654	1667	rBV	85088	142313	16.45%	2.245%
15	12.616	1769	1772	1783	rVB	9815	15330	1.77%	0.242%
16	12.710	1784	1788	1795	rBV4	14506	25887	2.99%	0.408%
17	12.851	1806	1812	1817	rBV2	14469	25533	2.95%	0.403%
18	12.986	1830	1835	1840	rBV	696267	865049	100.00%	13.645%
19	13.169	1861	1866	1870	rBV6	5469	11529	1.33%	0.182%
20	13.210	1870	1873	1879	rVV6	7631	12707	1.47%	0.200%
21	13.557	1928	1932	1937	rBV2	10395	19420	2.24%	0.306%
22	13.651	1945	1948	1952	rBV3	9878	12603	1.46%	0.199%
23	13.892	1984	1989	2000	rBV	43184	111320	12.87%	1.756%
24	14.045	2010	2015	2022	rBV	313217	424168	49.03%	6.691%
25	14.139	2028	2031	2036	rVB	18184	23660	2.74%	0.373%
26	15.539	2264	2269	2277	rVB	205107	325179	37.59%	5.129%

Sum of corrected areas: 6339726

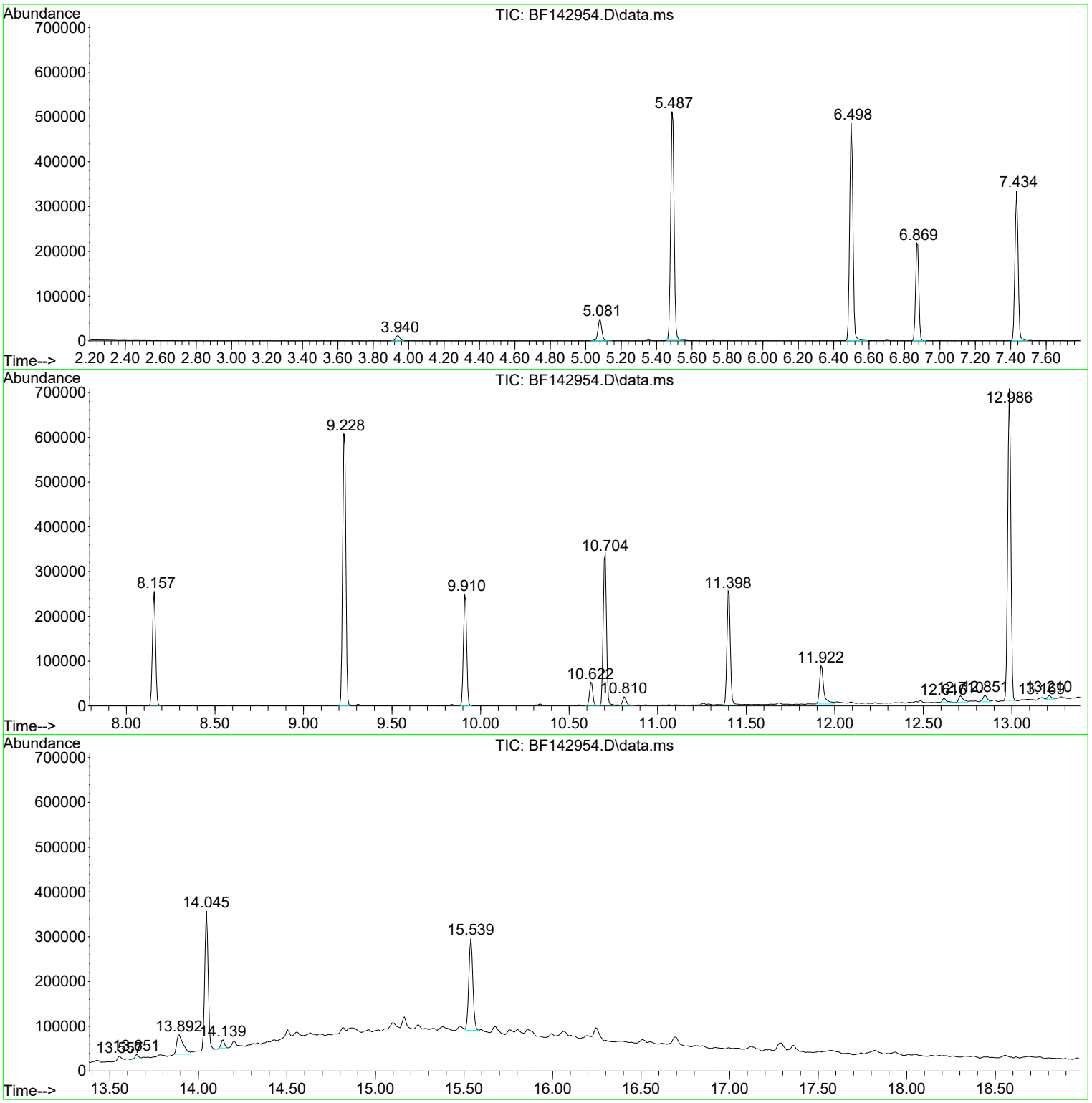
Sample Results: **BF142954.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142954.D
Acq On : 01 Jul 2025 17:29
Operator : RC/JU
Sample : Q2458-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-62

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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\BF070125\
Data File : BF142954.D
Acq On : 01 Jul 2025 17:29
Operator : RC/JU
Sample : Q2458-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-62

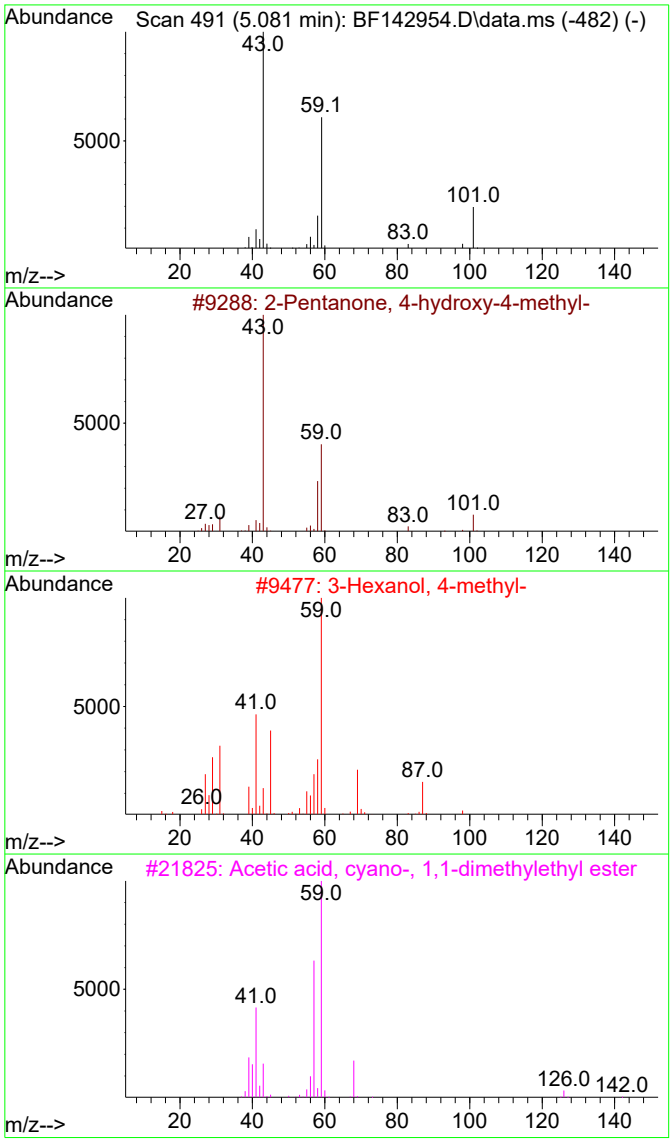
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

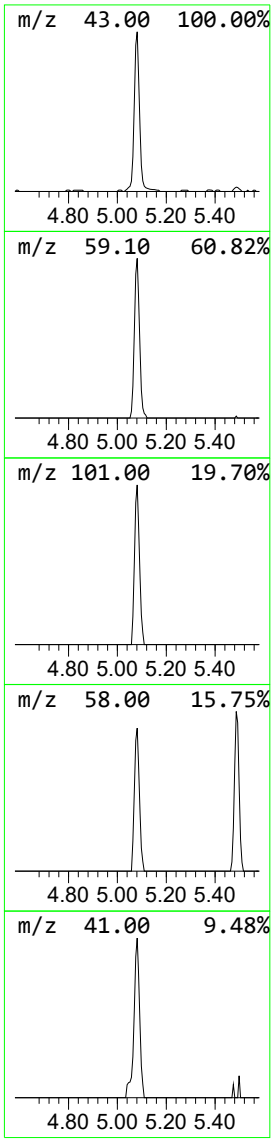
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.081	5.29 ng	73078	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	12
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Sample Results: **BF142954.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142954.D
Acq On : 01 Jul 2025 17:29
Operator : RC/JU
Sample : Q2458-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-62

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

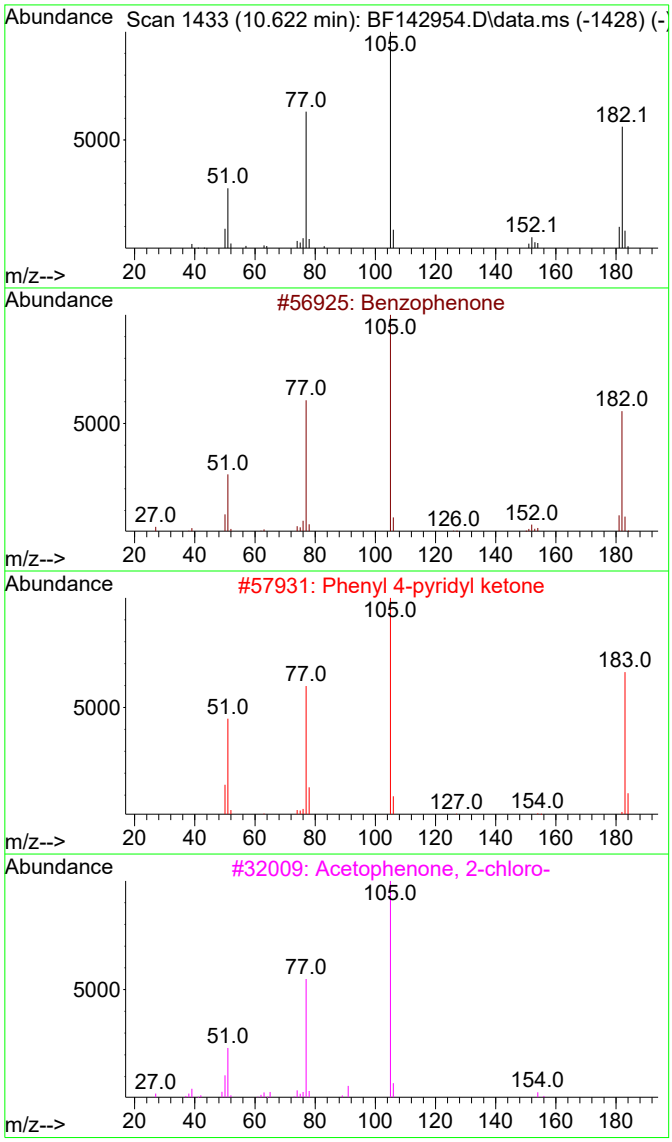
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

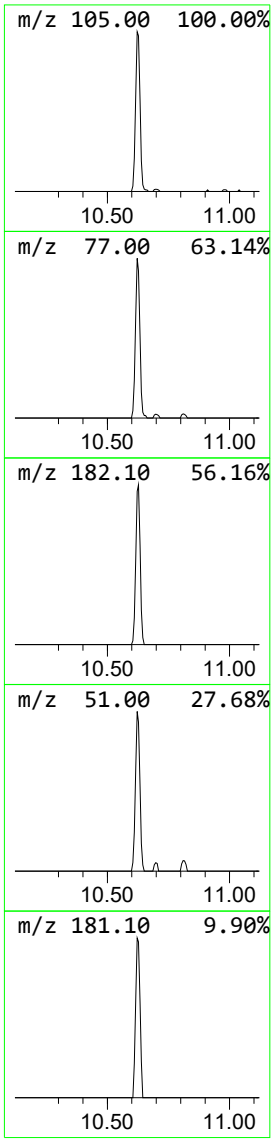
****

Peak Number 2 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.622	4.35 ng	67403	Acenaphthene-d10	9.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	53
3	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	49
5	Phenacyl thiocyanate	177	C9H7NOS	005399-30-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142954.D
Acq On : 01 Jul 2025 17:29
Operator : RC/JU
Sample : Q2458-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-62

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

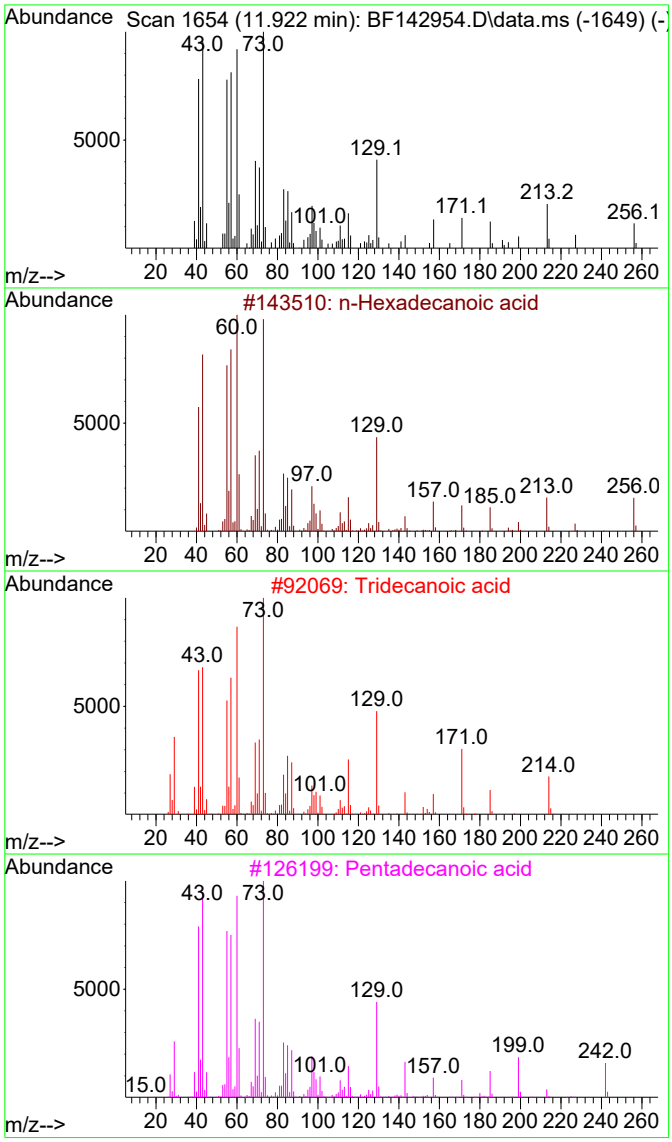
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

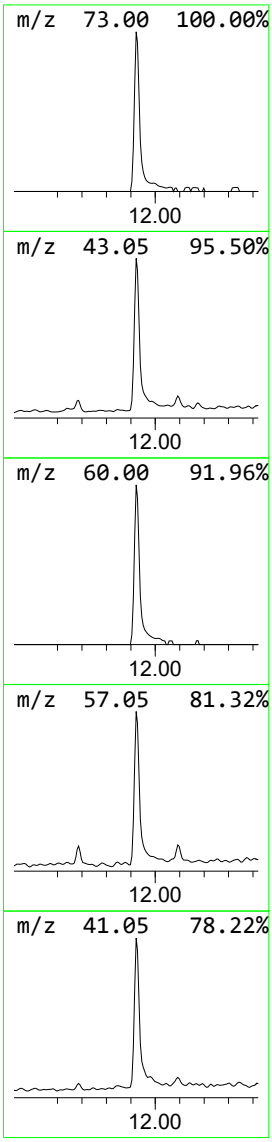
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	8.54 ng	142313	Phenanthrene-d10	11.398

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	92
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5	Undecanoic acid	186	C11H22O2	000112-37-8	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142954.D
Acq On : 01 Jul 2025 17:29
Operator : RC/JU
Sample : Q2458-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-62

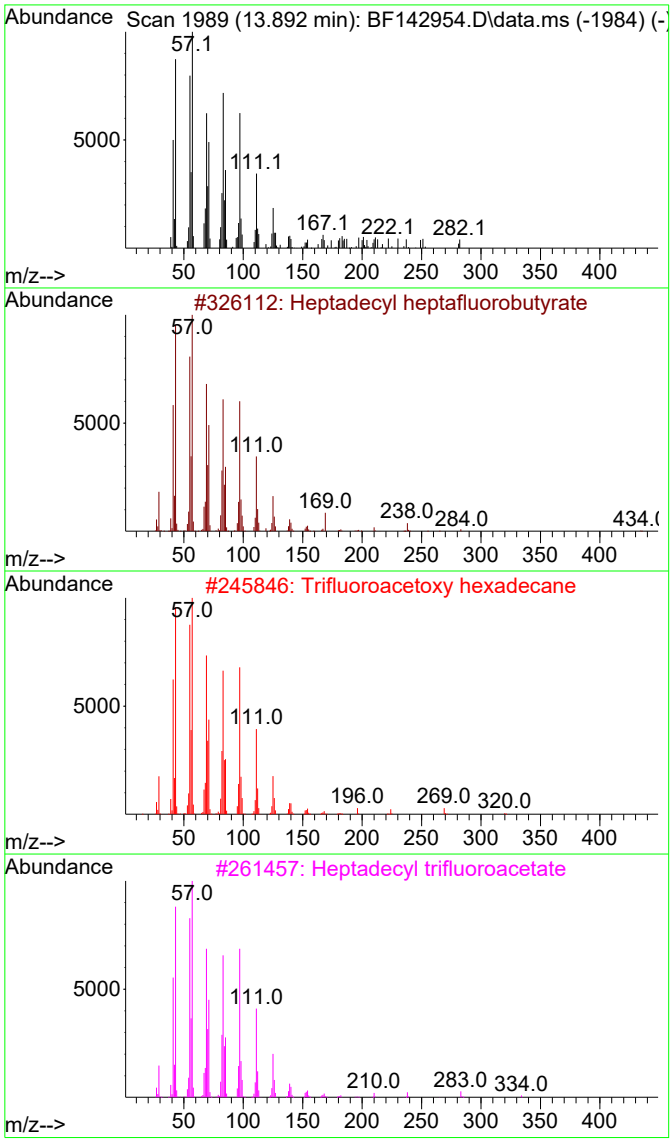
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

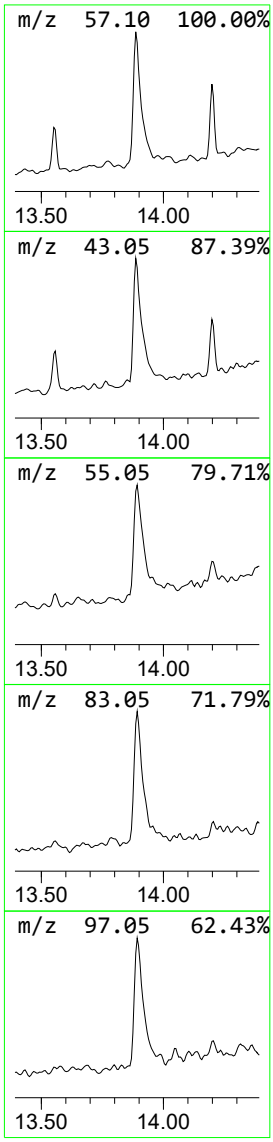
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Heptadecyl heptafluorobutyrate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	5.25 ng	111320	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	93
2	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93
3	Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	93
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	93
5	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	93





Sample Results: **BF142954.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142954.D
Acq On : 01 Jul 2025 17:29
Operator : RC/JU
Sample : Q2458-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-62

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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-...	5.081	5.3	ng	73078	1	6.875	276312	20.0
Benzophenone	10.622	4.3	ng	67403	3	9.910	310049	20.0
n-Hexadecanoic ...	11.922	8.5	ng	142313	4	11.398	333233	20.0
Heptadecyl hept...	13.892	5.3	ng	111320	5	14.045	424168	20.0

Raw Data: **BF142959.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-63	SDG No.:	Q2458
Lab Sample ID:	Q2458-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142959.D	5	07/01/25 09:30	07/01/25 20:03	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	900	U	900	1900	ug/Kg
108-95-2	Phenol	130	U	130	980	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	140	980	ug/Kg
95-57-8	2-Chlorophenol	140	U	140	980	ug/Kg
95-48-7	2-Methylphenol	170	U	170	980	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	220	U	220	980	ug/Kg
98-86-2	Acetophenone	170	U	170	980	ug/Kg
65794-96-9	3+4-Methylphenols	240	U	240	1900	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	270	U	270	460	ug/Kg
67-72-1	Hexachloroethane	100	U	100	980	ug/Kg
98-95-3	Nitrobenzene	110	U	110	980	ug/Kg
78-59-1	Isophorone	190	U	190	980	ug/Kg
88-75-5	2-Nitrophenol	340	U	340	980	ug/Kg
105-67-9	2,4-Dimethylphenol	370	U	370	980	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	180	U	180	980	ug/Kg
120-83-2	2,4-Dichlorophenol	160	U	160	980	ug/Kg
91-20-3	Naphthalene	130	U	130	980	ug/Kg
106-47-8	4-Chloroaniline	200	U	200	980	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	150	980	ug/Kg
105-60-2	Caprolactam	300	U	300	1900	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	U	170	980	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	150	980	ug/Kg
77-47-4	Hexachlorocyclopentadiene	670	U	670	1900	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	U	110	980	ug/Kg
95-95-4	2,4,5-Trichlorophenol	170	U	170	980	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	980	ug/Kg
91-58-7	2-Chloronaphthalene	130	U	130	980	ug/Kg
88-74-4	2-Nitroaniline	280	U	280	980	ug/Kg
131-11-3	Dimethylphthalate	160	U	160	980	ug/Kg

Raw Data: **BF142959.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-63	SDG No.:	Q2458
Lab Sample ID:	Q2458-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142959.D	5	07/01/25 09:30	07/01/25 20:03	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	170	U	170	980	ug/Kg
606-20-2	2,6-Dinitrotoluene	190	U	190	980	ug/Kg
99-09-2	3-Nitroaniline	270	U	270	980	ug/Kg
83-32-9	Acenaphthene	120	U	120	980	ug/Kg
51-28-5	2,4-Dinitrophenol	1300	U	1300	1900	ug/Kg
100-02-7	4-Nitrophenol	620	U	620	1900	ug/Kg
132-64-9	Dibenzofuran	130	U	130	980	ug/Kg
121-14-2	2,4-Dinitrotoluene	290	U	290	980	ug/Kg
84-66-2	Diethylphthalate	160	U	160	980	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	150	980	ug/Kg
86-73-7	Fluorene	150	U	150	980	ug/Kg
100-01-6	4-Nitroaniline	370	U	370	980	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	600	U	600	1900	ug/Kg
86-30-6	n-Nitrosodiphenylamine	190	U	190	980	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	U	160	980	ug/Kg
118-74-1	Hexachlorobenzene	150	U	150	980	ug/Kg
1912-24-9	Atrazine	200	U	200	980	ug/Kg
87-86-5	Pentachlorophenol	300	U	300	1900	ug/Kg
85-01-8	Phenanthrene	970	J	120	980	ug/Kg
120-12-7	Anthracene	190	U	190	980	ug/Kg
86-74-8	Carbazole	180	U	180	980	ug/Kg
84-74-2	Di-n-butylphthalate	280	U	280	980	ug/Kg
206-44-0	Fluoranthene	1700		170	980	ug/Kg
129-00-0	Pyrene	1000		210	980	ug/Kg
85-68-7	Butylbenzylphthalate	410	UQ	410	980	ug/Kg
91-94-1	3,3-Dichlorobenzidine	210	U	210	1900	ug/Kg
56-55-3	Benzo(a)anthracene	590	J	130	980	ug/Kg
218-01-9	Chrysene	510	J	110	980	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	340	U	340	980	ug/Kg
117-84-0	Di-n-octyl phthalate	500	U	500	1900	ug/Kg
205-99-2	Benzo(b)fluoranthene	650	J	110	980	ug/Kg

Raw Data: **BF142959.D**

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-63	SDG No.:	Q2458
Lab Sample ID:	Q2458-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142959.D	5	07/01/25 09:30	07/01/25 20:03	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	130	U	130	980	ug/Kg
50-32-8	Benzo(a)pyrene	530	J	170	980	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	170	980	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	U	160	980	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	150	980	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	150	980	ug/Kg
123-91-1	1,4-Dioxane	260	U	260	980	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	U	160	980	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	68.4		18 - 112	46%	SPK: 150
13127-88-3	Phenol-d6	62.7		15 - 107	42%	SPK: 150
4165-60-0	Nitrobenzene-d5	38.3		18 - 107	38%	SPK: 100
321-60-8	2-Fluorobiphenyl	40.0		20 - 109	40%	SPK: 100
118-79-6	2,4,6-Tribromophenol	76.8		10 - 116	51%	SPK: 150
1718-51-0	Terphenyl-d14	40.9		10 - 105	41%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	41100	6.875			
1146-65-2	Naphthalene-d8	142000	8.157			
15067-26-2	Acenaphthene-d10	76700	9.916			
1517-22-2	Phenanthrene-d10	149000	11.404			
1719-03-5	Chrysene-d12	123000	14.051			
1520-96-3	Perylene-d12	91000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
002531-84-2	Phenanthrene, 2-methyl-	400	J		11.9	ug/Kg

Raw Data: **BF142959.D**

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-63	SDG No.:	Q2458
Lab Sample ID:	Q2458-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142959.D	5	07/01/25 09:30	07/01/25 20:03	PB168674

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\BF070125\
Data File : BF142959.D
Acq On : 01 Jul 2025 20:03
Operator : RC/JU
Sample : Q2458-08 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-63

Quant Time: Jul 02 01:04:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

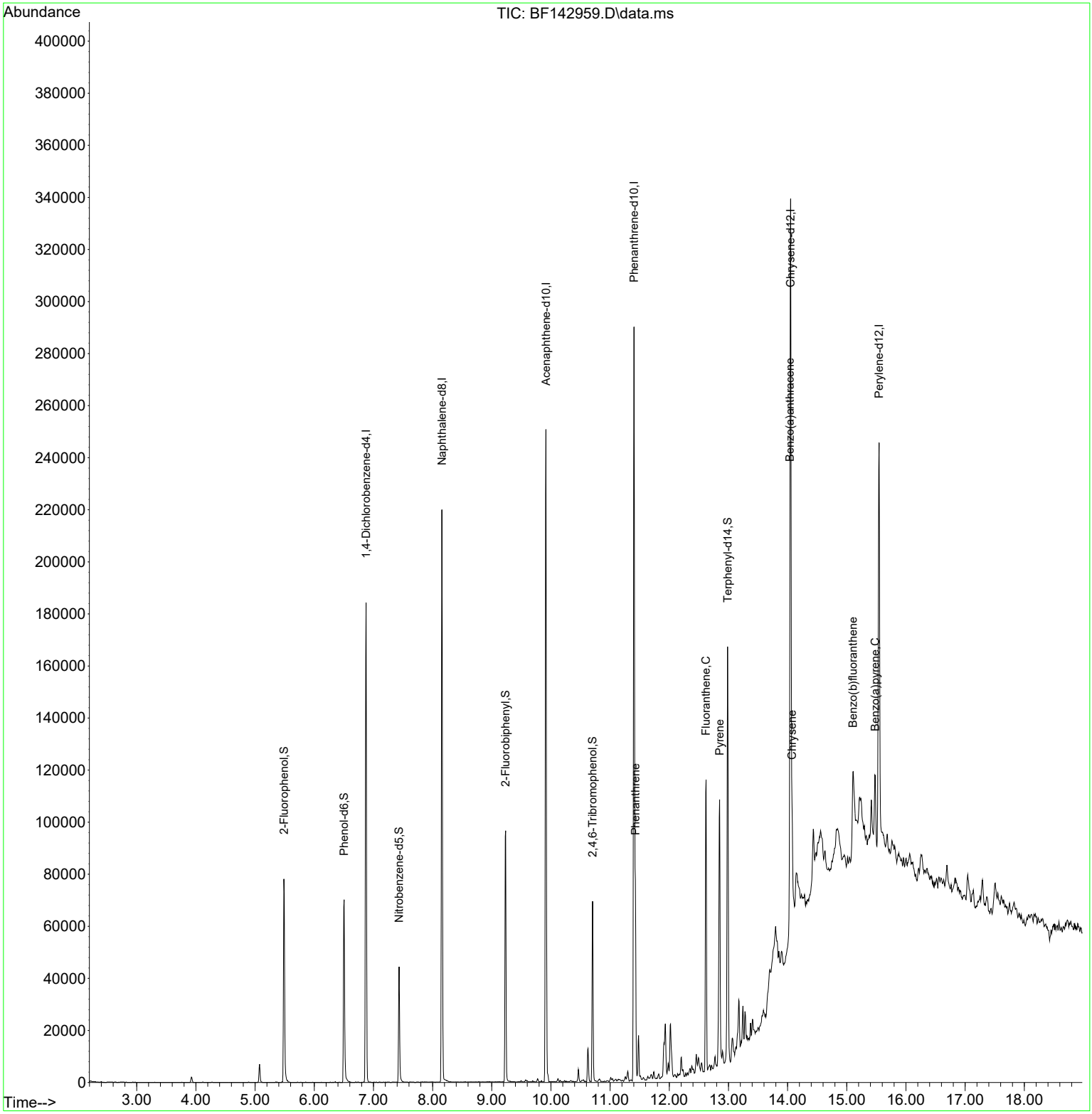
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	41136	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	141903	20.000	ng		-0.01
39) Acenaphthene-d10	9.916	164	76687	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	148921	20.000	ng		0.00
76) Chrysene-d12	14.051	240	123268	20.000	ng		0.00
86) Perylene-d12	15.545	264	90968	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	33820	13.688	ng		0.00
7) Phenol-d6	6.504	99	36542	12.536	ng		0.00
23) Nitrobenzene-d5	7.434	82	19819	7.661	ng		-0.01
42) 2,4,6-Tribromophenol	10.704	330	12116	15.353	ng		-0.01
45) 2-Fluorobiphenyl	9.233	172	46686	7.997	ng		-0.01
79) Terphenyl-d14	12.986	244	72912	8.173	ng		-0.01
Target Compounds							Qvalue
71) Phenanthrene	11.427	178	40421	5.011	ng		99
75) Fluoranthene	12.621	202	65925	8.611	ng		99
78) Pyrene	12.851	202	61465	5.320	ng		98
81) Benzo(a)anthracene	14.039	228	25650	3.085	ng		95
83) Chrysene	14.074	228	19565m	2.637	ng		
88) Benzo(b)fluoranthene	15.104	252	17775m	3.377	ng		
90) Benzo(a)pyrene	15.480	252	14025	2.758	ng	#	90

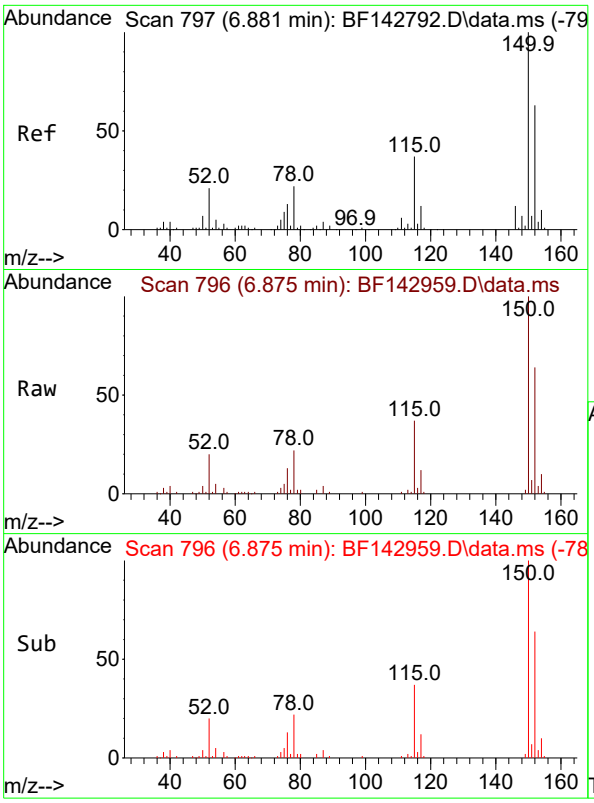
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142959.D
Acq On : 01 Jul 2025 20:03
Operator : RC/JU
Sample : Q2458-08 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-63

Quant Time: Jul 02 01:04:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



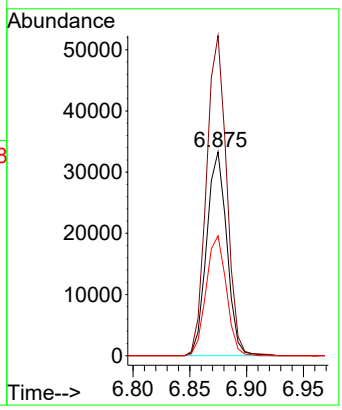


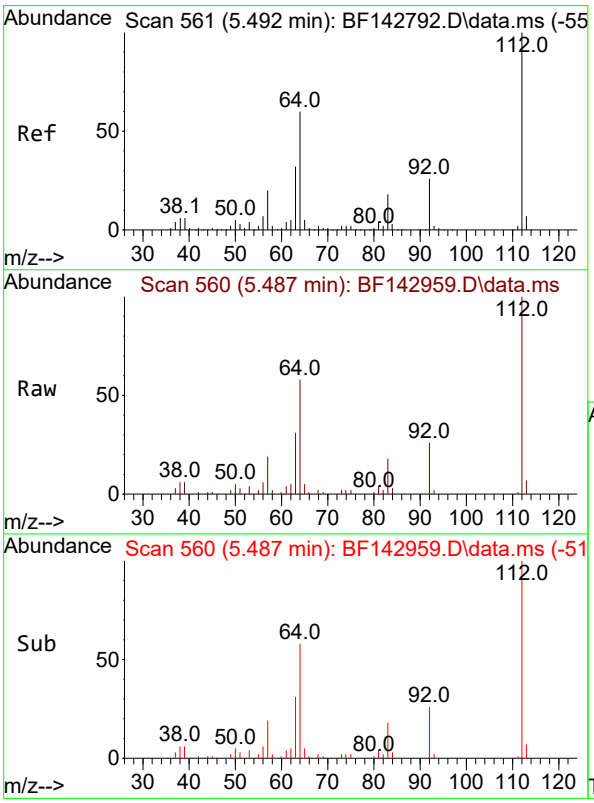
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142959.D
Acq: 01 Jul 2025 20:03

Instrument :
BNA_F
ClientSampleId :
TP-63

Tgt Ion:152 Resp: 41136

Ion	Ratio	Lower	Upper
152	100		
150	156.9	127.2	190.8
115	58.8	46.6	69.8

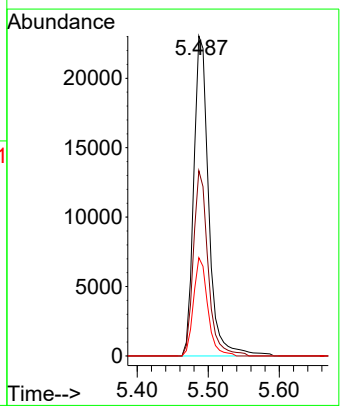


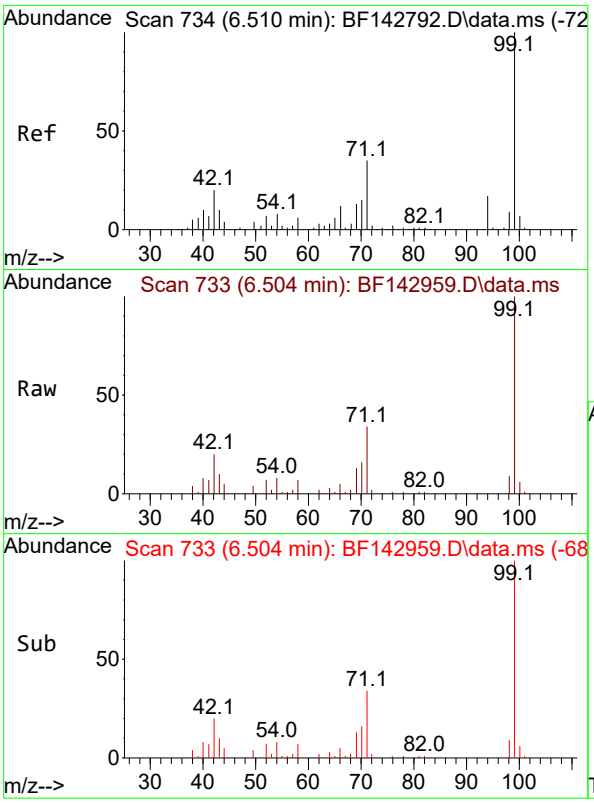


#5
2-Fluorophenol
Concen: 13.688 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF142959.D
Acq: 01 Jul 2025 20:03

Tgt Ion:112 Resp: 33820

Ion	Ratio	Lower	Upper
112	100		
64	57.9	48.2	72.2
63	30.7	25.7	38.5



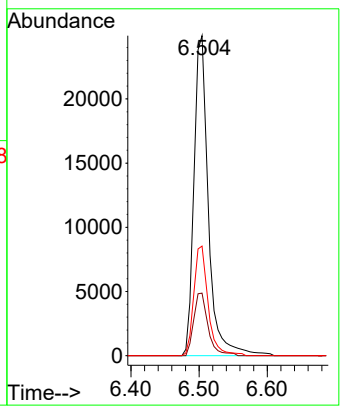


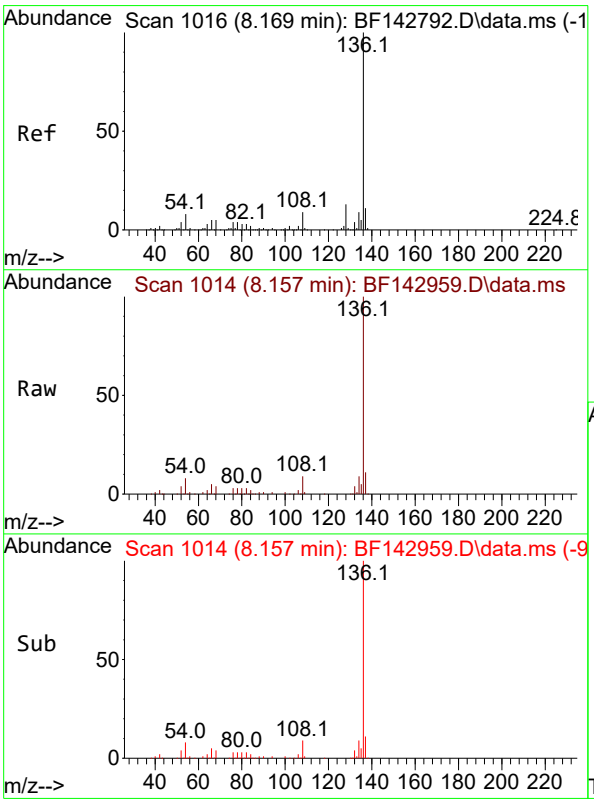
#7
Phenol-d6
Concen: 12.536 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142959.D
Acq: 01 Jul 2025 20:03

Instrument :
BNA_F
ClientSampleId :
TP-63

Tgt Ion: 99 Resp: 36542

Ion	Ratio	Lower	Upper
99	100		
42	19.6	15.9	23.9
71	34.3	27.8	41.8

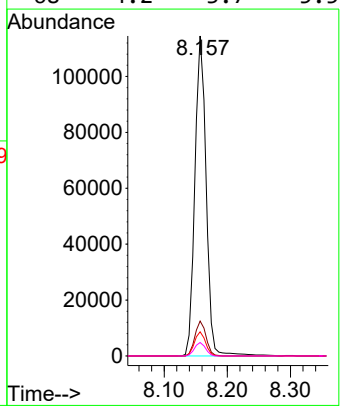


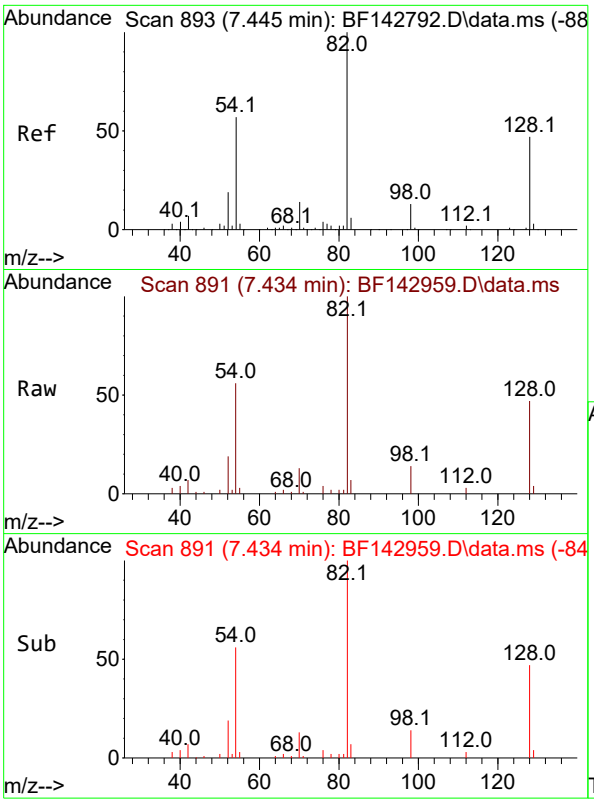


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142959.D
Acq: 01 Jul 2025 20:03

Tgt Ion:136 Resp: 141903

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	7.6	6.3	9.5
68	4.2	3.7	5.5



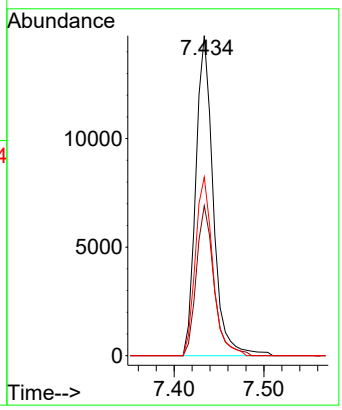


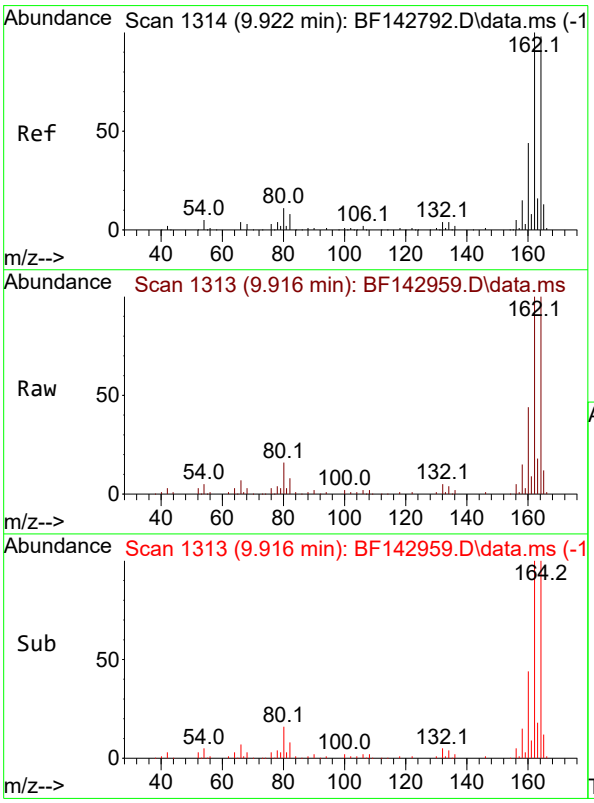
#23
Nitrobenzene-d5
Concen: 7.661 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF142959.D
Acq: 01 Jul 2025 20:03

Instrument :
BNA_F
ClientSampleId :
TP-63

Tgt Ion: 82 Resp: 19819

Ion	Ratio	Lower	Upper
82	100		
128	46.8	37.7	56.5
54	55.8	45.7	68.5

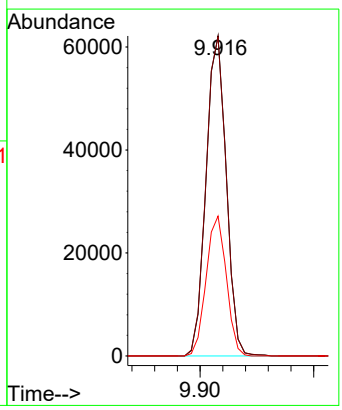


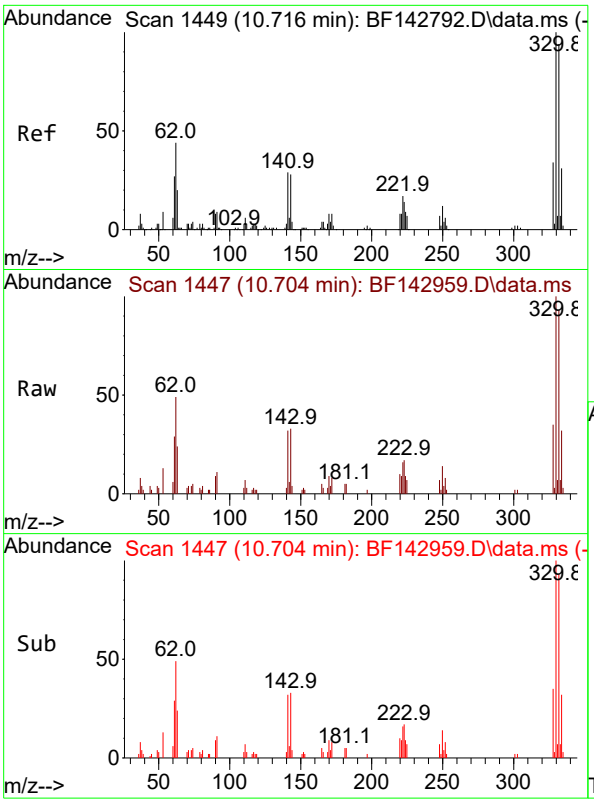


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142959.D
Acq: 01 Jul 2025 20:03

Tgt Ion:164 Resp: 76687

Ion	Ratio	Lower	Upper
164	100		
162	99.8	81.8	122.8
160	43.7	36.0	54.0



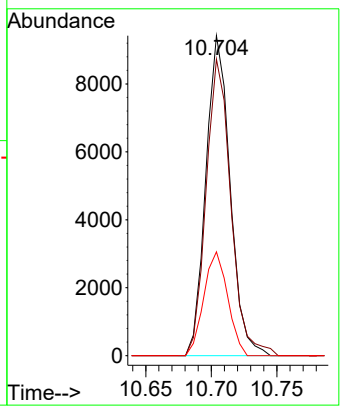


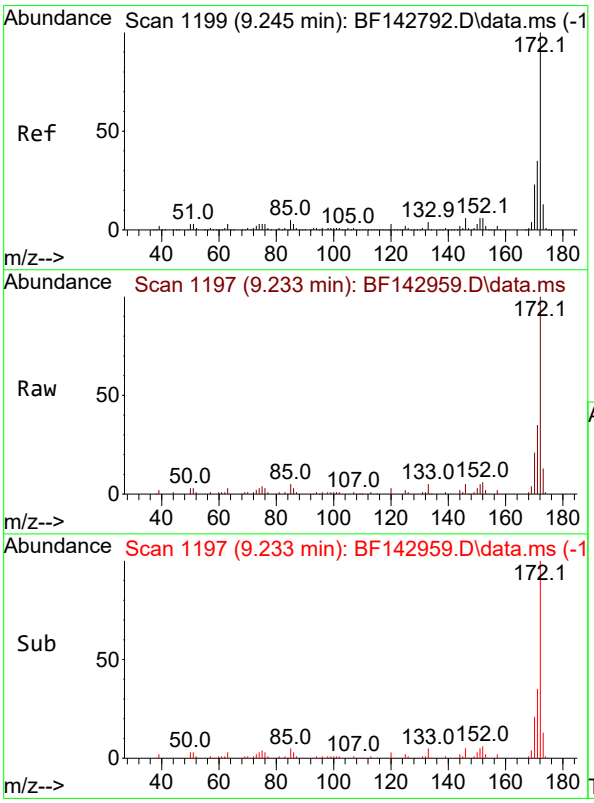
#42
2,4,6-Tribromophenol
Concen: 15.353 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142959.D
Acq: 01 Jul 2025 20:03

Instrument :
BNA_F
ClientSampleId :
TP-63

Tgt Ion:330 Resp: 12116

Ion	Ratio	Lower	Upper
330	100		
332	94.3	75.0	112.6
141	32.0	25.3	37.9

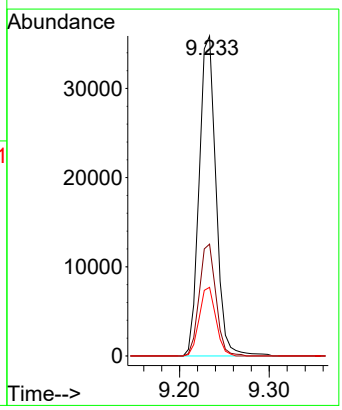


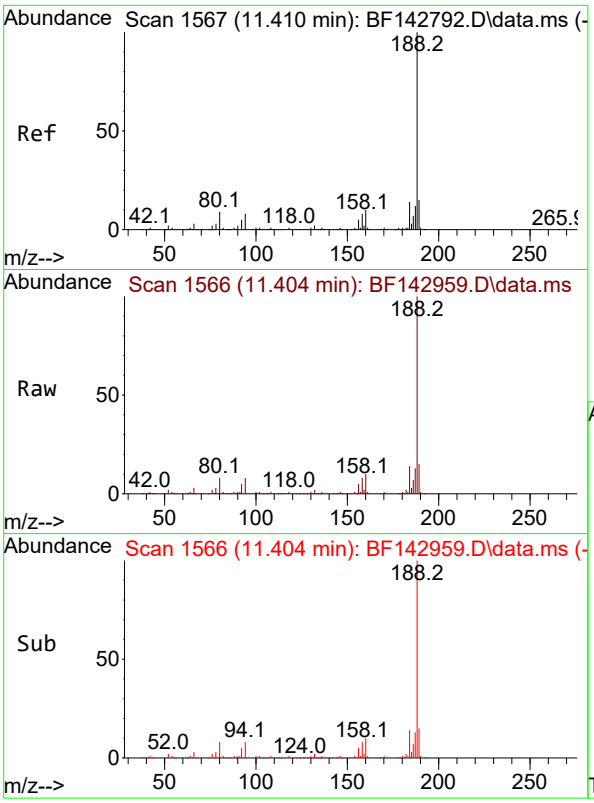


#45
2-Fluorobiphenyl
Concen: 7.997 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142959.D
Acq: 01 Jul 2025 20:03

Tgt Ion:172 Resp: 46686

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.2	42.4
170	21.4	18.5	27.7



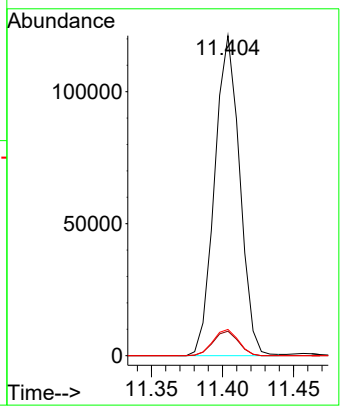


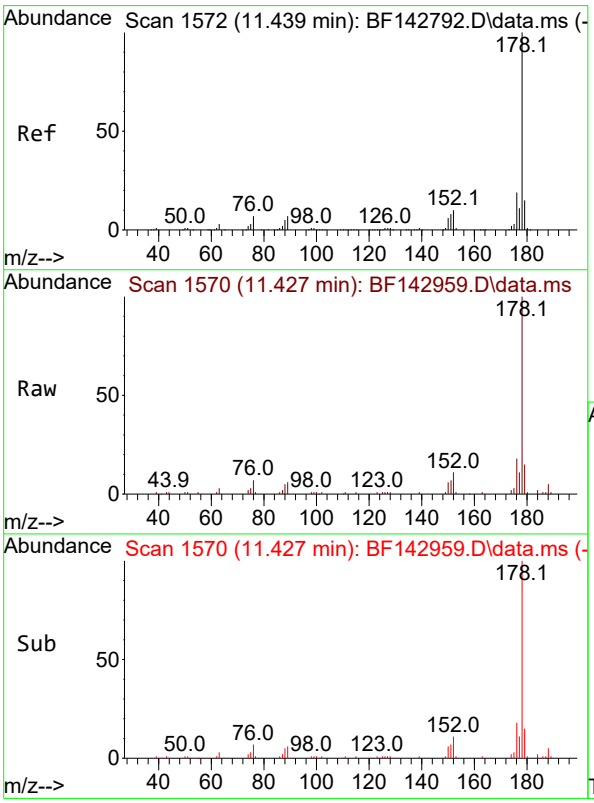
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142959.D
Acq: 01 Jul 2025 20:03

Instrument :
BNA_F
ClientSampleId :
TP-63

Tgt Ion:188 Resp: 148921

Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.7	10.1
80	8.2	6.9	10.3

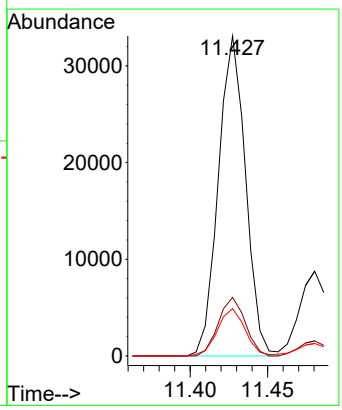


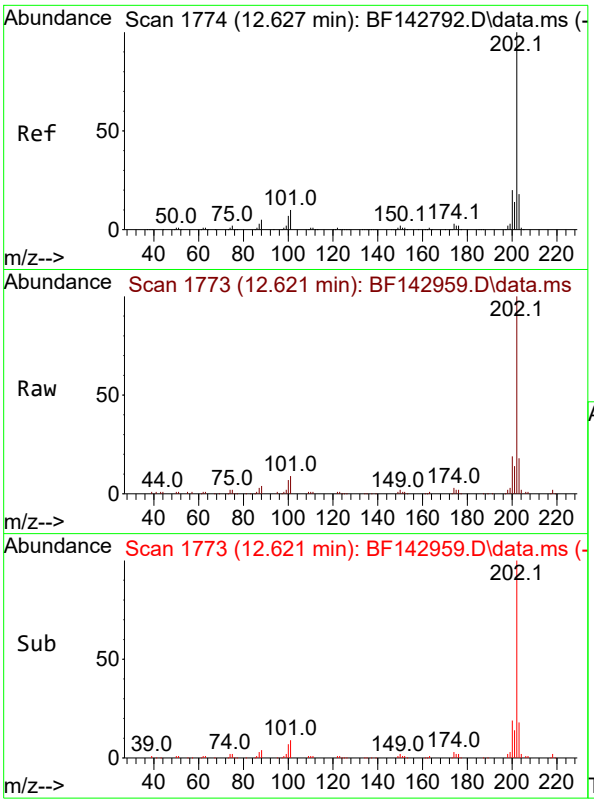


#71
Phenanthrene
Concen: 5.011 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF142959.D
Acq: 01 Jul 2025 20:03

Tgt Ion:178 Resp: 40421

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.1	22.7
179	14.8	12.0	18.0



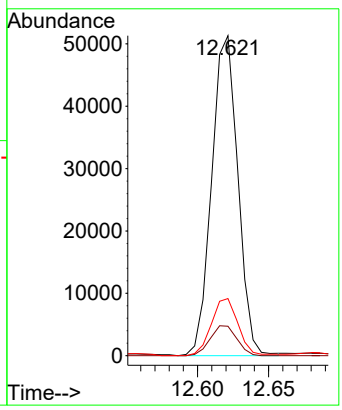


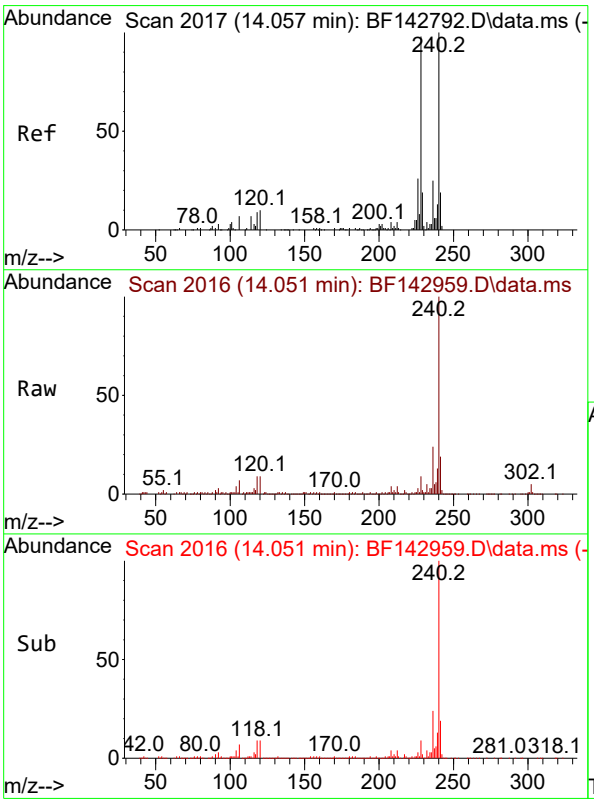
#75
Fluoranthene
Concen: 8.611 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142959.D
Acq: 01 Jul 2025 20:03

Instrument :
BNA_F
ClientSampleId :
TP-63

Tgt Ion:202 Resp: 65925

Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	29.7
203	17.9	0.0	37.5

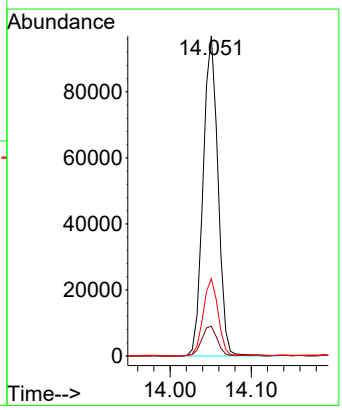


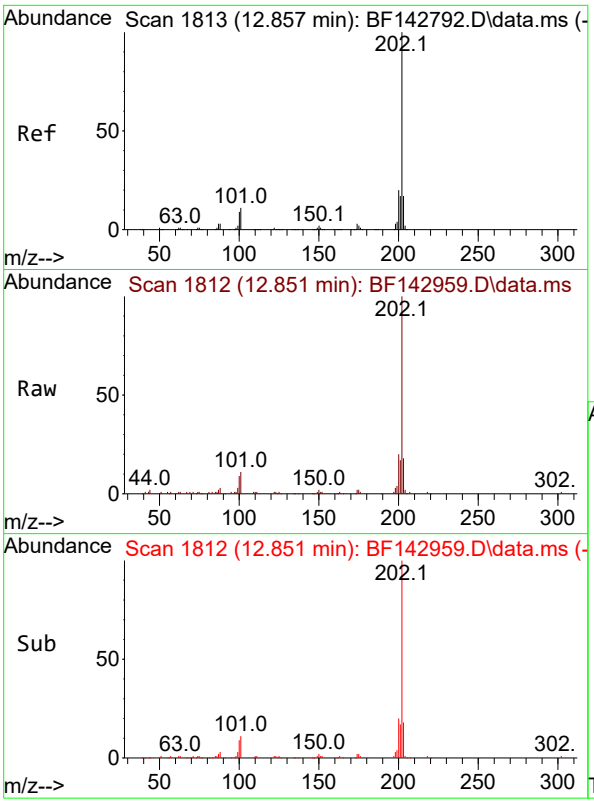


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142959.D
Acq: 01 Jul 2025 20:03

Tgt Ion:240 Resp: 123268

Ion	Ratio	Lower	Upper
240	100		
120	9.3	8.2	12.2
236	24.2	19.8	29.8



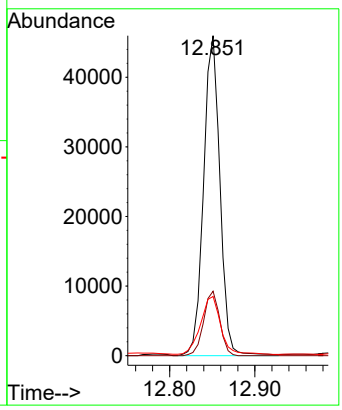


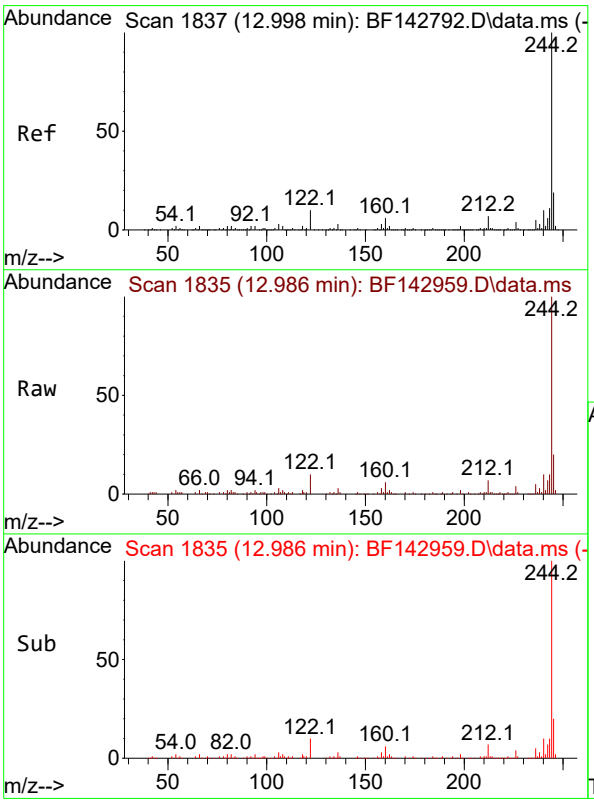
#78
Pyrene
Concen: 5.320 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142959.D
Acq: 01 Jul 2025 20:03

Instrument :
BNA_F
ClientSampleId :
TP-63

Tgt Ion:202 Resp: 61465

Ion	Ratio	Lower	Upper
202	100		
200	20.1	15.7	23.5
203	18.5	13.8	20.6

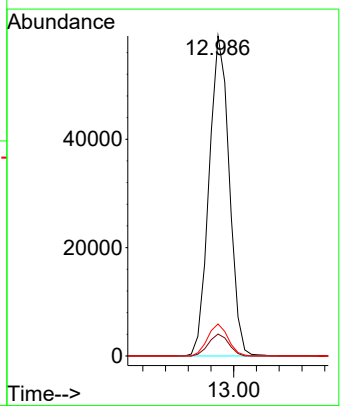


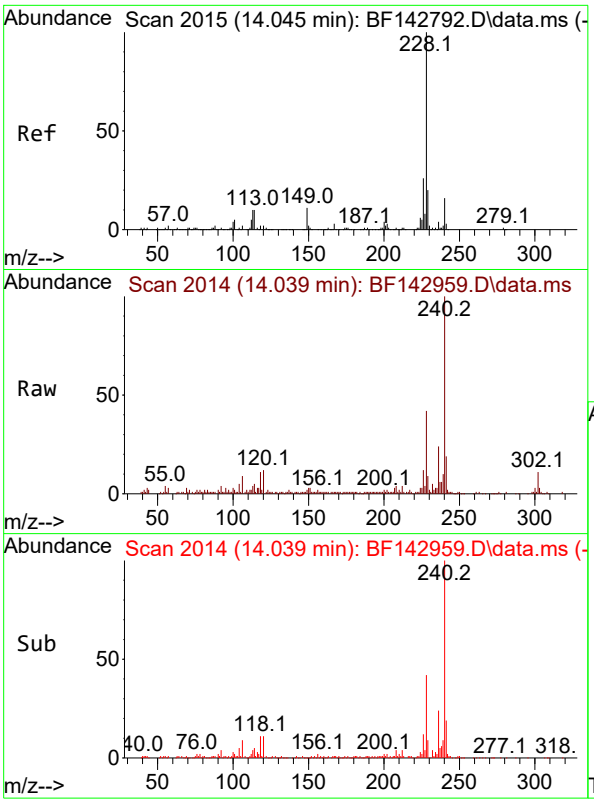


#79
Terphenyl-d14
Concen: 8.173 ng
RT: 12.986 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BF142959.D
Acq: 01 Jul 2025 20:03

Tgt Ion:244 Resp: 72912

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	10.0	8.2	12.2



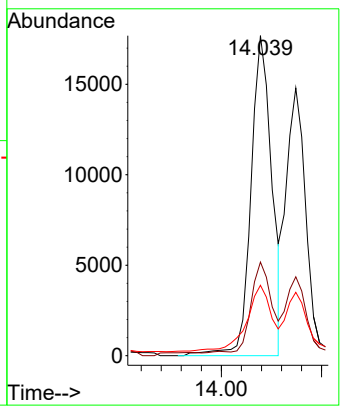


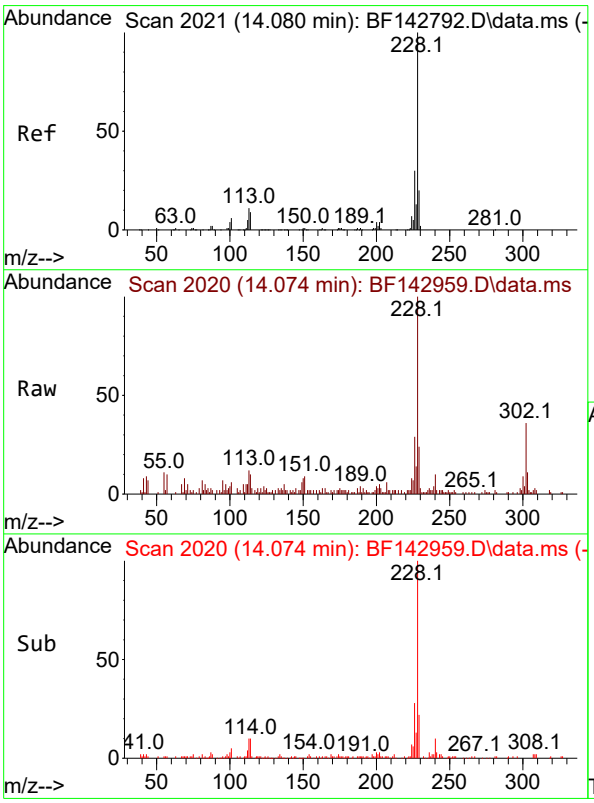
#81
Benzo(a)anthracene
Concen: 3.085 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142959.D
Acq: 01 Jul 2025 20:03

Instrument :
BNA_F
ClientSampleId :
TP-63

Tgt Ion:228 Resp: 25650

Ion	Ratio	Lower	Upper
228	100		
226	29.2	21.2	31.8
229	22.0	15.6	23.4

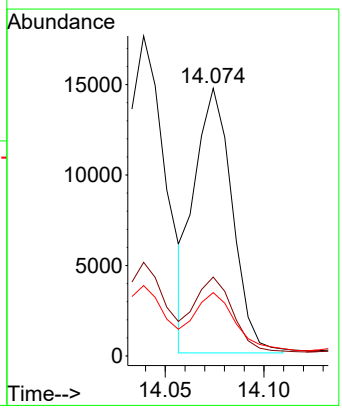


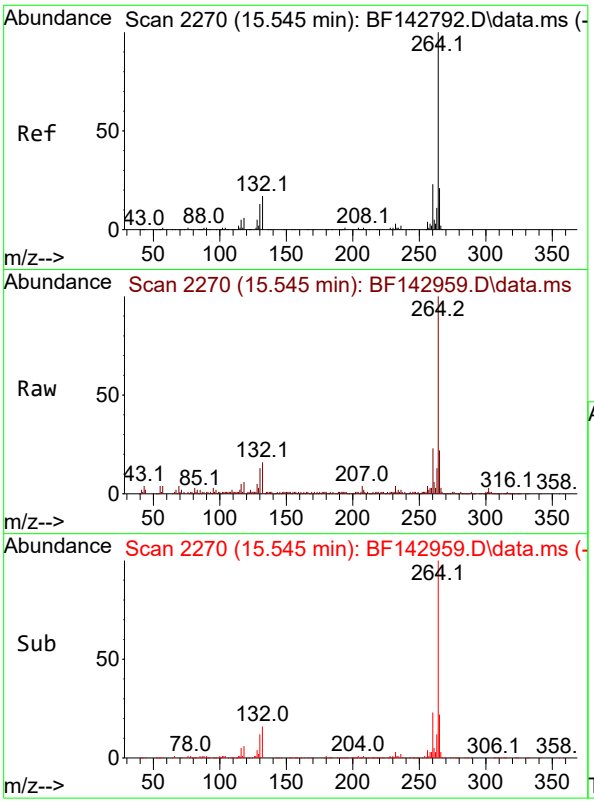


#83
Chrysene
Concen: 2.637 ng m
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF142959.D
Acq: 01 Jul 2025 20:03

Tgt Ion:228 Resp: 19565

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.7	35.5
229	23.7	15.7	23.5#



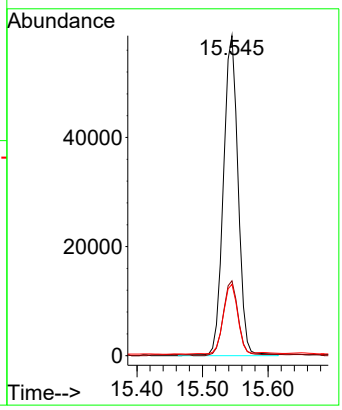


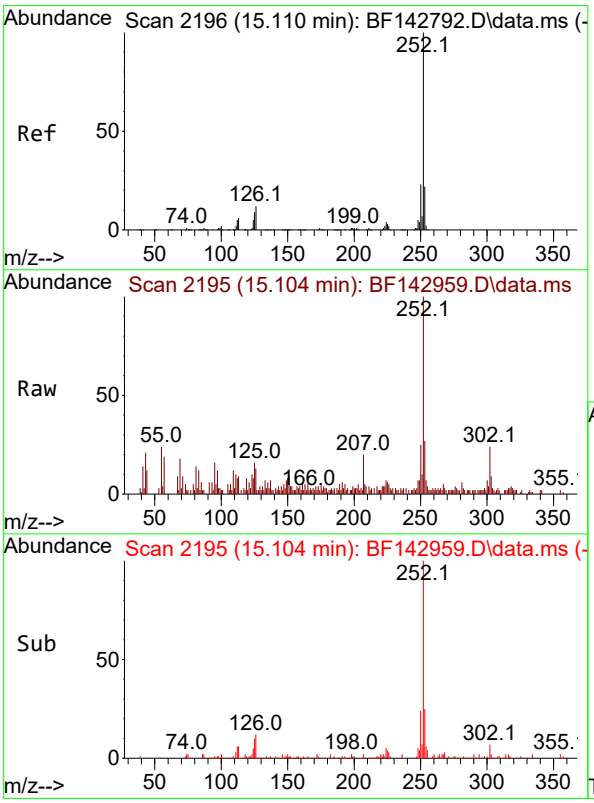
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142959.D
Acq: 01 Jul 2025 20:03

Instrument :
BNA_F
ClientSampleId :
TP-63

Tgt Ion:264 Resp: 90968

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.1	27.1
265	22.3	16.6	25.0

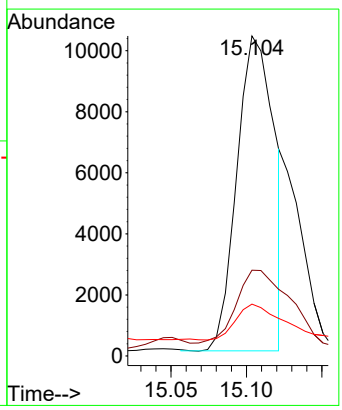


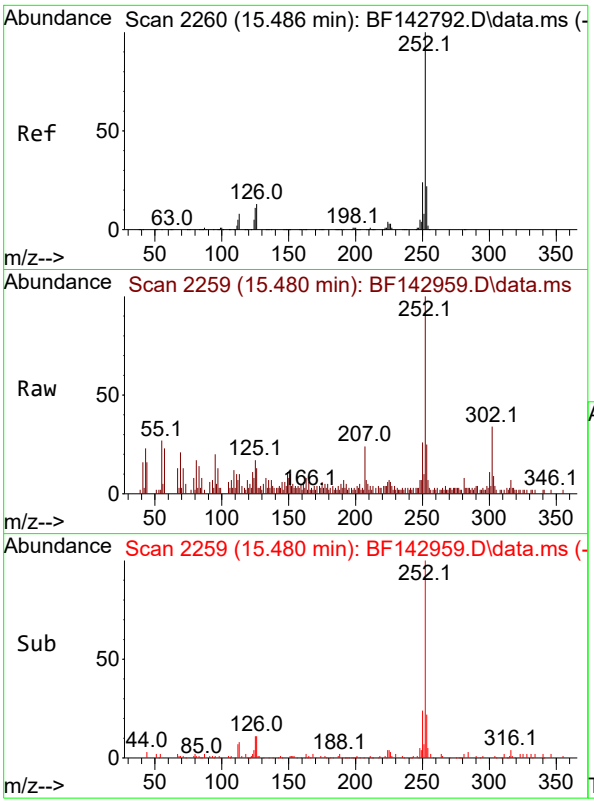


#88
Benzo(b)fluoranthene
Concen: 3.377 ng m
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF142959.D
Acq: 01 Jul 2025 20:03

Tgt Ion:252 Resp: 17775

Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.5	26.3#
125	16.2	7.4	11.0#



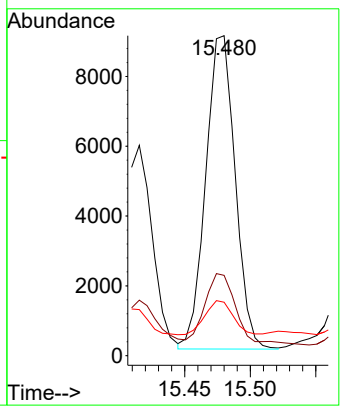


#90
Benzo(a)pyrene
Concen: 2.758 ng
RT: 15.480 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142959.D
Acq: 01 Jul 2025 20:03

Instrument :
BNA_F
ClientSampleId :
TP-63

Tgt Ion:252 Resp: 14025

Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.5	26.3
125	16.7	8.6	12.8#



Sample Results: **BF142959.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142959.D
Acq On : 01 Jul 2025 20:03
Operator : RC/JU
Sample : Q2458-08 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-63

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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142959.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.075	484	490	498	rBB	7047	9590	1.96%	0.296%
2	5.487	556	560	569	rBV	77917	106912	21.89%	3.295%
3	6.504	728	733	751	rBB	70249	99570	20.39%	3.069%
4	6.875	791	796	805	rVB	184126	225507	46.17%	6.950%
5	7.434	887	891	904	rBV	44477	58569	11.99%	1.805%
6	8.157	1009	1014	1030	rBV	219839	267689	54.80%	8.250%
7	9.233	1192	1197	1206	rBV	96428	120557	24.68%	3.715%
8	9.916	1308	1313	1318	rBV	250538	309908	63.45%	9.551%
9	10.463	1401	1406	1411	rVB	4626	5326	1.09%	0.164%
10	10.627	1430	1434	1439	rBV	12718	16240	3.32%	0.500%
11	10.704	1443	1447	1454	rBV	69246	84265	17.25%	2.597%
12	11.298	1543	1548	1552	rVB2	3794	5867	1.20%	0.181%
13	11.404	1561	1566	1574	rBV2	289664	443849	90.87%	13.679%
14	11.480	1574	1579	1583	rVB	15854	19548	4.00%	0.602%
15	11.933	1647	1656	1661	rBV2	20300	45943	9.41%	1.416%
16	11.980	1661	1664	1667	rVV	5151	7203	1.47%	0.222%
17	12.021	1667	1671	1679	rVB2	20227	37411	7.66%	1.153%
18	12.204	1698	1702	1705	rBV	6674	8831	1.81%	0.272%
19	12.457	1740	1745	1748	rVV	7391	10689	2.19%	0.329%
20	12.492	1748	1751	1757	rVV4	5783	10567	2.16%	0.326%
21	12.545	1757	1760	1765	rVB3	3554	5418	1.11%	0.167%
22	12.621	1768	1773	1777	rBV	112218	142668	29.21%	4.397%
23	12.774	1794	1799	1804	rBV2	4549	7342	1.50%	0.226%
24	12.851	1804	1812	1818	rBV	102469	159893	32.73%	4.928%
25	12.898	1818	1820	1825	rVB5	4745	5719	1.17%	0.176%
26	12.986	1828	1835	1843	rVB	159606	207627	42.51%	6.399%
27	13.068	1843	1849	1853	rBV4	9256	19581	4.01%	0.603%
28	13.174	1860	1867	1871	rBV	18701	32601	6.67%	1.005%
29	13.245	1875	1879	1882	rVV	13981	17038	3.49%	0.525%
30	13.280	1882	1885	1889	rVV2	10685	13108	2.68%	0.404%
31	13.374	1898	1901	1903	rBV	6367	6449	1.32%	0.199%
32	13.404	1904	1906	1910	rVV	5779	7666	1.57%	0.236%
33	14.051	2010	2016	2027	rBV2	282743	488447	100.00%	15.053%
34	15.545	2265	2270	2278	rBV	151810	237212	48.56%	7.311%

Sum of corrected areas: 3244810

Instrument :
BNA_F
ClientSampleId :
TP-63

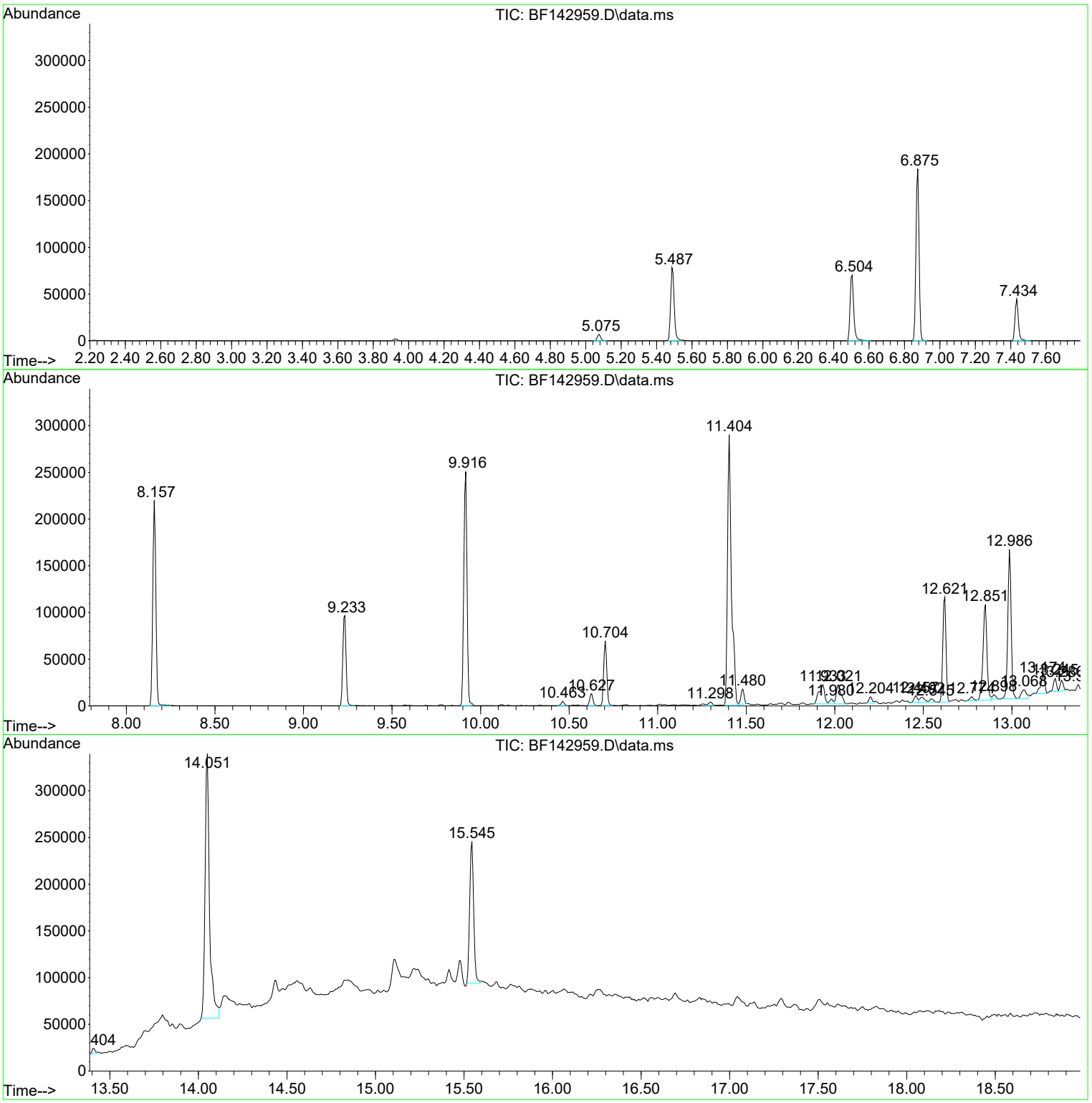
Sample Results: **BF142959.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142959.D
Acq On : 01 Jul 2025 20:03
Operator : RC/JU
Sample : Q2458-08 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-63

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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\BF070125\
Data File : BF142959.D
Acq On : 01 Jul 2025 20:03
Operator : RC/JU
Sample : Q2458-08 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-63

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

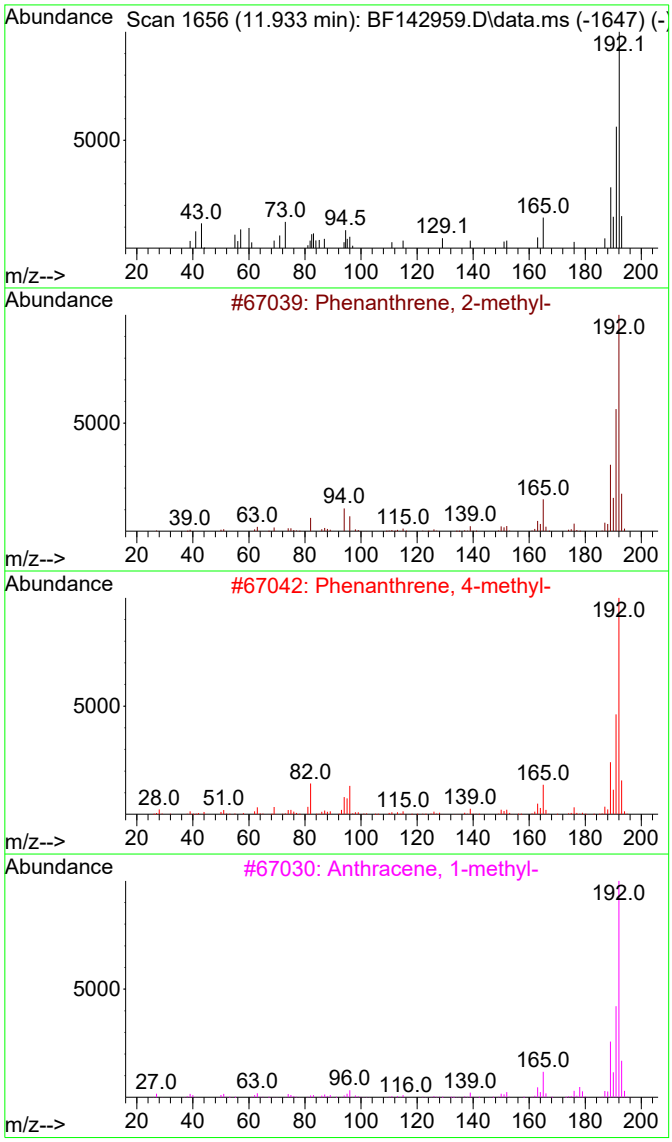
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

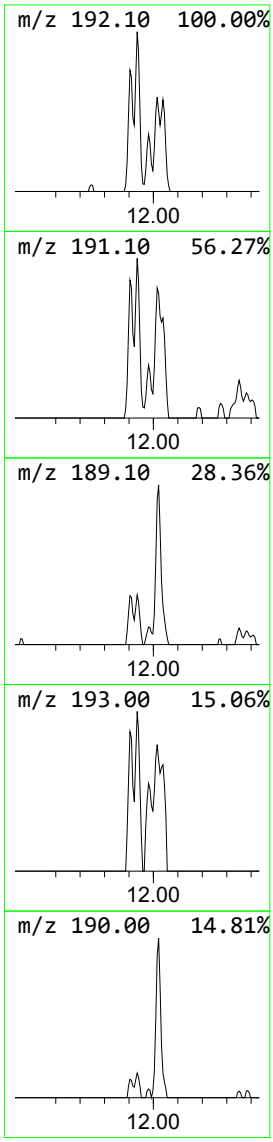
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	2.07 ng	45943	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	76





Sample Results: **BF142959.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142959.D
Acq On : 01 Jul 2025 20:03
Operator : RC/JU
Sample : Q2458-08 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-63

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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
Phenanthrene, 2...	11.933	2.1	ng	45943	4	11.404	443849	20.0

Raw Data: **BF142975.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-59	SDG No.:	Q2458
Lab Sample ID:	Q2458-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	76.6
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142975.D	1	07/01/25 09:30	07/02/25 17:19	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	U	200	430	ug/Kg
108-95-2	Phenol	28.8	U	28.8	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	31.6	U	31.6	220	ug/Kg
95-57-8	2-Chlorophenol	31.8	U	31.8	220	ug/Kg
95-48-7	2-Methylphenol	38.9	U	38.9	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	48.8	U	48.8	220	ug/Kg
98-86-2	Acetophenone	38.4	U	38.4	220	ug/Kg
65794-96-9	3+4-Methylphenols	53.5	U	53.5	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	61.7	U	61.7	100	ug/Kg
67-72-1	Hexachloroethane	22.9	U	22.9	220	ug/Kg
98-95-3	Nitrobenzene	23.8	U	23.8	220	ug/Kg
78-59-1	Isophorone	42.7	U	42.7	220	ug/Kg
88-75-5	2-Nitrophenol	75.8	U	75.8	220	ug/Kg
105-67-9	2,4-Dimethylphenol	84.3	U	84.3	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	40.1	U	40.1	220	ug/Kg
120-83-2	2,4-Dichlorophenol	36.8	U	36.8	220	ug/Kg
91-20-3	Naphthalene	29.5	U	29.5	220	ug/Kg
106-47-8	4-Chloroaniline	46.1	U	46.1	220	ug/Kg
87-68-3	Hexachlorobutadiene	32.9	U	32.9	220	ug/Kg
105-60-2	Caprolactam	67.8	U	67.8	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	37.4	U	37.4	220	ug/Kg
91-57-6	2-Methylnaphthalene	33.3	U	33.3	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	150	U	150	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	25.8	U	25.8	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	37.9	U	37.9	220	ug/Kg
92-52-4	1,1-Biphenyl	28.4	U	28.4	220	ug/Kg
91-58-7	2-Chloronaphthalene	29.3	U	29.3	220	ug/Kg
88-74-4	2-Nitroaniline	62.6	U	62.6	220	ug/Kg
131-11-3	Dimethylphthalate	35.3	U	35.3	220	ug/Kg

Raw Data: **BF142975.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-59	SDG No.:	Q2458
Lab Sample ID:	Q2458-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	76.6
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142975.D	1	07/01/25 09:30	07/02/25 17:19	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	37.6	U	37.6	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	43.7	U	43.7	220	ug/Kg
99-09-2	3-Nitroaniline	59.9	U	59.9	220	ug/Kg
83-32-9	Acenaphthene	27.7	U	27.7	220	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	300	430	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	430	ug/Kg
132-64-9	Dibenzofuran	29.5	U	29.5	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	65.2	U	65.2	220	ug/Kg
84-66-2	Diethylphthalate	36.8	U	36.8	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	34.8	U	34.8	220	ug/Kg
86-73-7	Fluorene	32.9	U	32.9	220	ug/Kg
100-01-6	4-Nitroaniline	83.6	U	83.6	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	42.8	U	42.8	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	36.2	U	36.2	220	ug/Kg
118-74-1	Hexachlorobenzene	32.9	U	32.9	220	ug/Kg
1912-24-9	Atrazine	44.3	U	44.3	220	ug/Kg
87-86-5	Pentachlorophenol	66.8	U	66.8	430	ug/Kg
85-01-8	Phenanthrene	27.2	U	27.2	220	ug/Kg
120-12-7	Anthracene	43.3	U	43.3	220	ug/Kg
86-74-8	Carbazole	40.6	U	40.6	220	ug/Kg
84-74-2	Di-n-butylphthalate	62.3	U	62.3	220	ug/Kg
206-44-0	Fluoranthene	39.0	U	39.0	220	ug/Kg
129-00-0	Pyrene	46.9	U	46.9	220	ug/Kg
85-68-7	Butylbenzylphthalate	92.9	UQ	92.9	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	47.8	U	47.8	430	ug/Kg
56-55-3	Benzo(a)anthracene	29.9	U	29.9	220	ug/Kg
218-01-9	Chrysene	25.9	U	25.9	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	77.1	U	77.1	220	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	24.7	U	24.7	220	ug/Kg

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-59	SDG No.:	Q2458
Lab Sample ID:	Q2458-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	76.6
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142975.D	1	07/01/25 09:30	07/02/25 17:19	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	29.2	U	29.2	220	ug/Kg
50-32-8	Benzo(a)pyrene	38.4	U	38.4	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	37.9	U	37.9	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	35.7	U	35.7	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	33.5	U	33.5	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	33.3	U	33.3	220	ug/Kg
123-91-1	1,4-Dioxane	58.8	U	58.8	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	35.7	U	35.7	220	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	77.4		18 - 112	52%	SPK: 150
13127-88-3	Phenol-d6	78.5		15 - 107	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.9		18 - 107	48%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.6		20 - 109	49%	SPK: 100
118-79-6	2,4,6-Tribromophenol	83.1		10 - 116	55%	SPK: 150
1718-51-0	Terphenyl-d14	50.6		10 - 105	51%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	57900	6.869			
1146-65-2	Naphthalene-d8	223000	8.157			
15067-26-2	Acenaphthene-d10	121000	9.91			
1517-22-2	Phenanthrene-d10	212000	11.404			
1719-03-5	Chrysene-d12	120000	14.051			
1520-96-3	Perylene-d12	122000	15.539			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	AB		5.08	ug/Kg
000119-61-9	Benzophenone	280	J		10.6	ug/Kg
001634-74-8	Benzene, 1,1-methylenebis[2-methy	99.8	J		11.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	120	J		11.9	ug/Kg
959261-23-5	Heptafluorobutyric acid, pentadecy	280	J		13.9	ug/Kg

Raw Data: **BF142975.D**

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-59	SDG No.:	Q2458
Lab Sample ID:	Q2458-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	76.6
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142975.D	1	07/01/25 09:30	07/02/25 17:19	PB168674

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: **BF142975.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142975.D
Acq On : 02 Jul 2025 17:19
Operator : RC/JU
Sample : Q2458-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-59

Quant Time: Jul 02 17:45:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

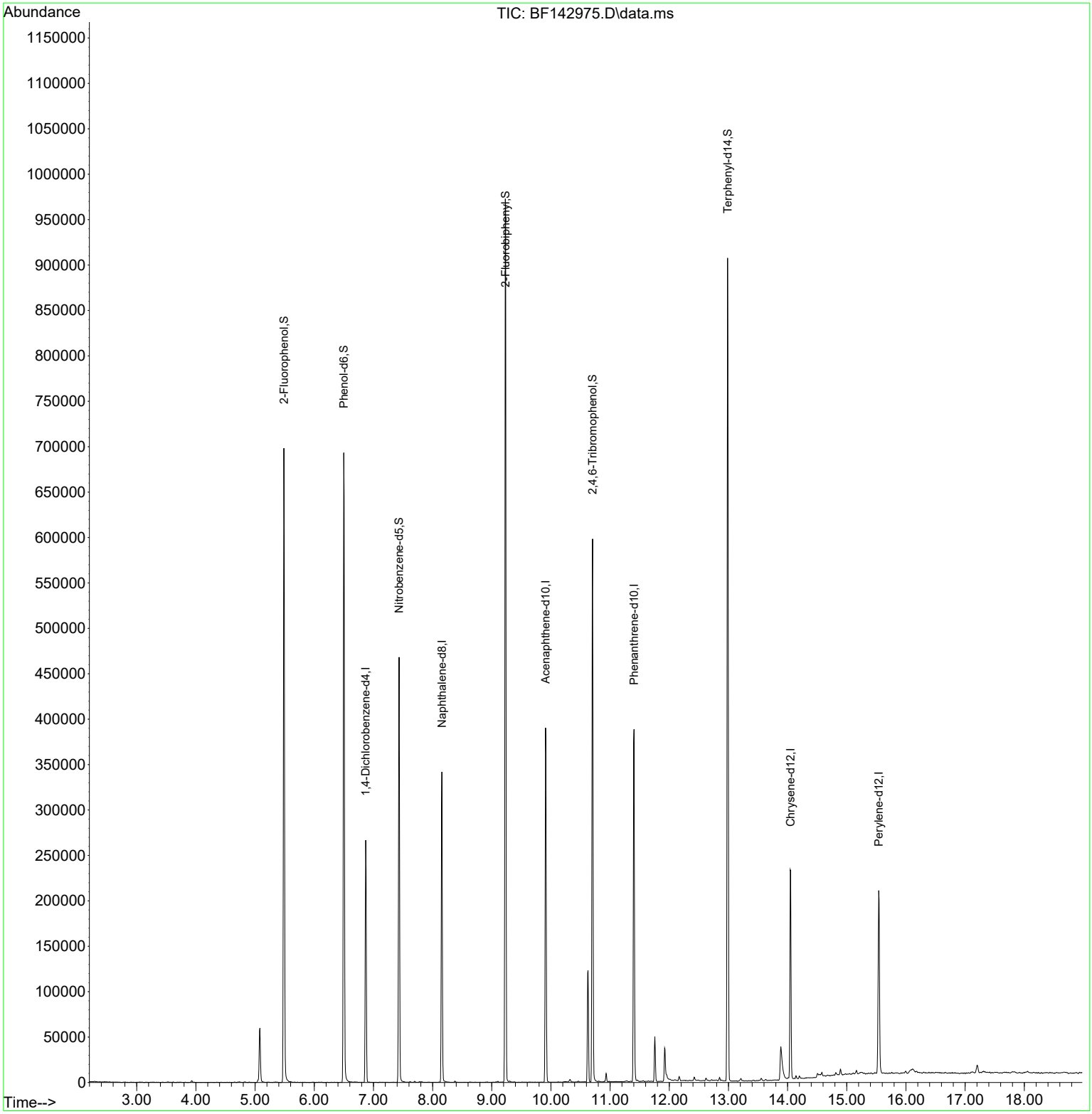
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	57945	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	223063	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	120808	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	212211	20.000	ng	0.00
76) Chrysene-d12	14.051	240	120436	20.000	ng	0.00
86) Perylene-d12	15.539	264	122074	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	269251	77.363	ng	0.00
7) Phenol-d6	6.498	99	322341	78.503	ng	-0.01
23) Nitrobenzene-d5	7.434	82	194996	47.949	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	103320	83.108	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	447320	48.642	ng	-0.01
79) Terphenyl-d14	12.986	244	440678	50.557	ng	-0.01
Target Compounds						Qvalue

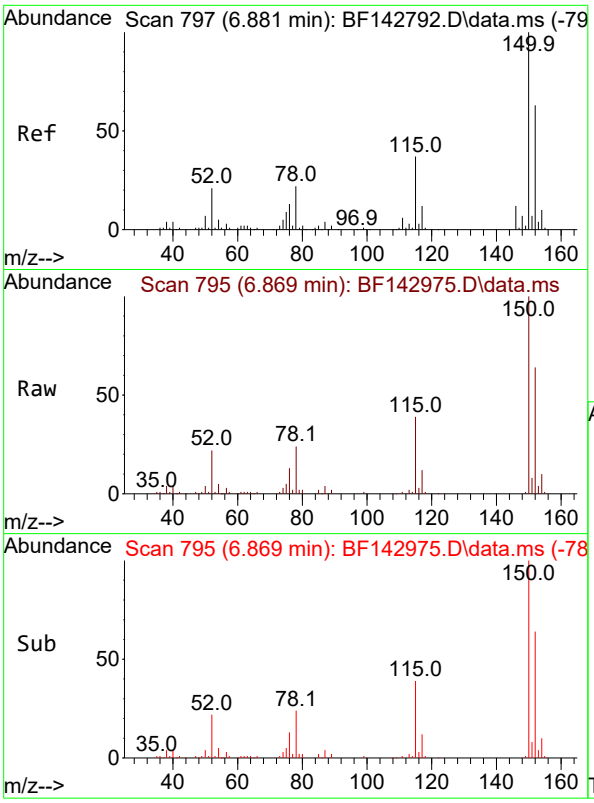
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142975.D
Acq On : 02 Jul 2025 17:19
Operator : RC/JU
Sample : Q2458-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-59

Quant Time: Jul 02 17:45:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



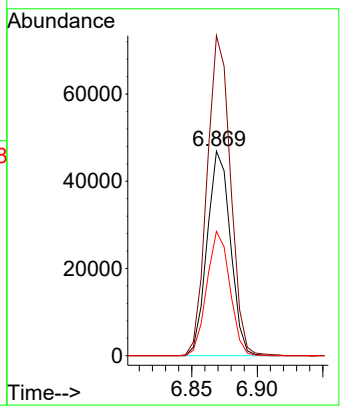


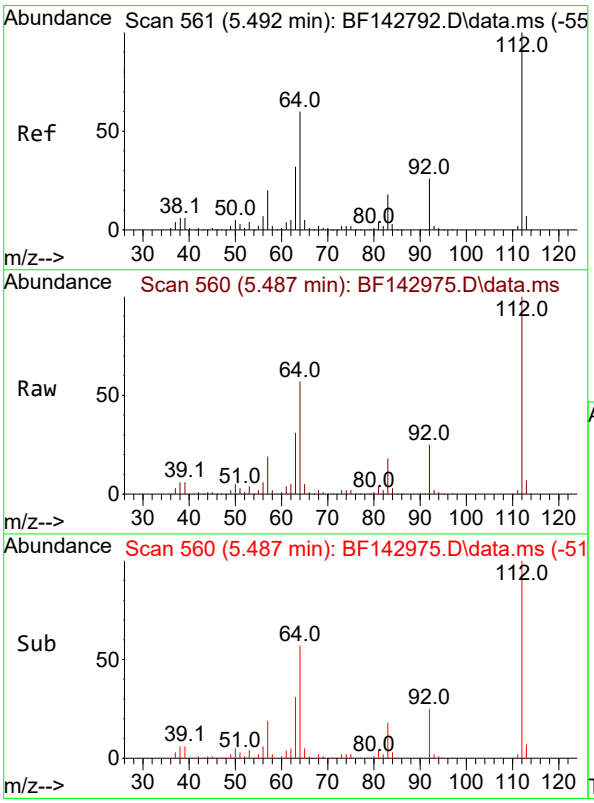
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142975.D
Acq: 02 Jul 2025 17:19

Instrument :
BNA_F
ClientSampleId :
TP-59

Tgt Ion:152 Resp: 57945

Ion	Ratio	Lower	Upper
152	100		
150	156.5	127.2	190.8
115	60.8	46.6	69.8

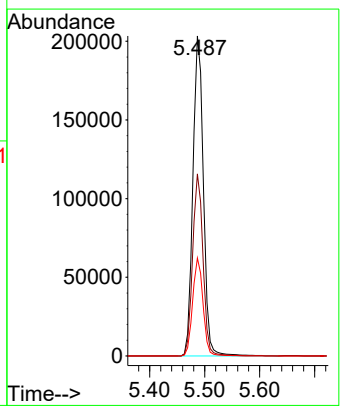


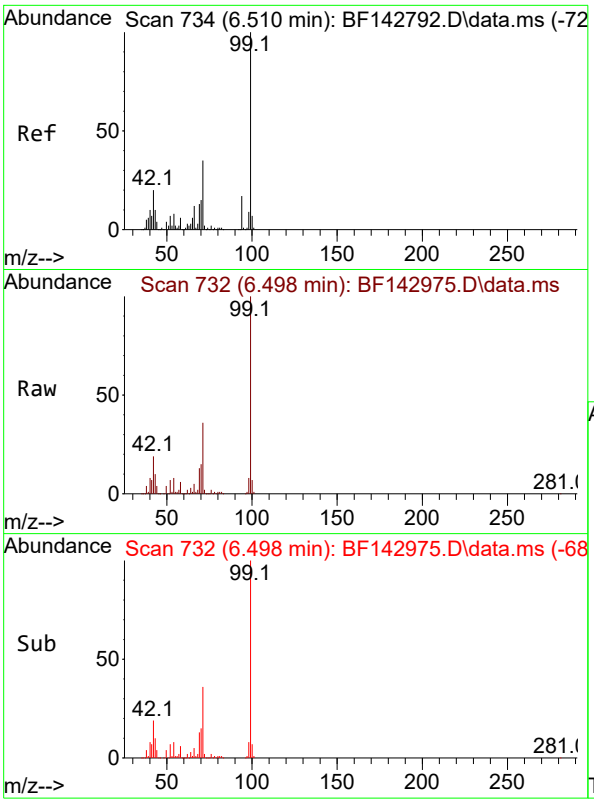


#5
2-Fluorophenol
Concen: 77.363 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF142975.D
Acq: 02 Jul 2025 17:19

Tgt Ion:112 Resp: 269251

Ion	Ratio	Lower	Upper
112	100		
64	56.9	48.2	72.2
63	30.6	25.7	38.5



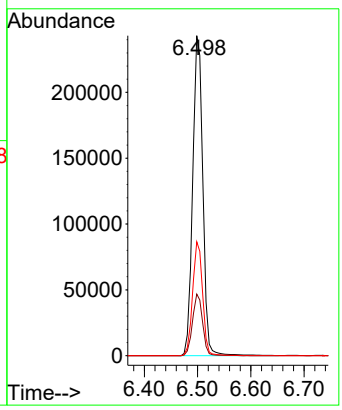


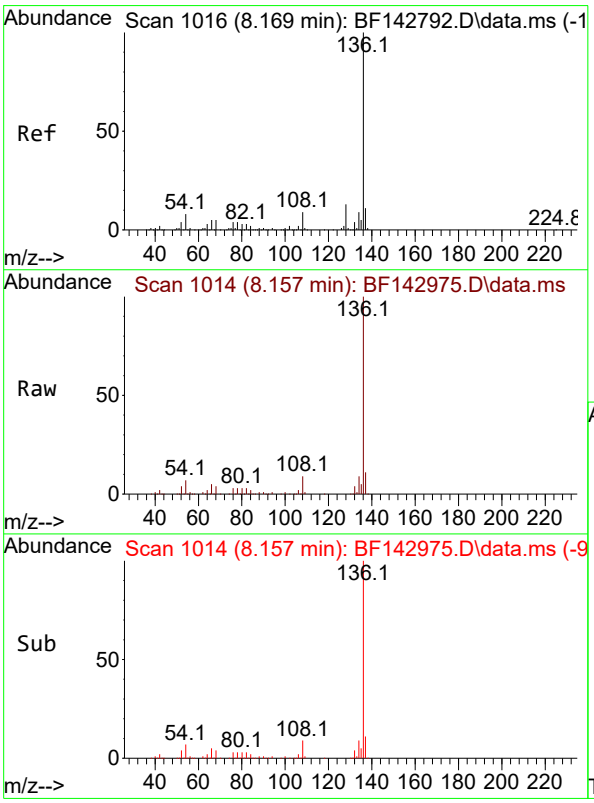
#7
Phenol-d6
Concen: 78.503 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142975.D
Acq: 02 Jul 2025 17:19

Instrument :
BNA_F
ClientSampleId :
TP-59

Tgt Ion: 99 Resp: 322341

Ion	Ratio	Lower	Upper
99	100		
42	19.2	15.9	23.9
71	35.6	27.8	41.8

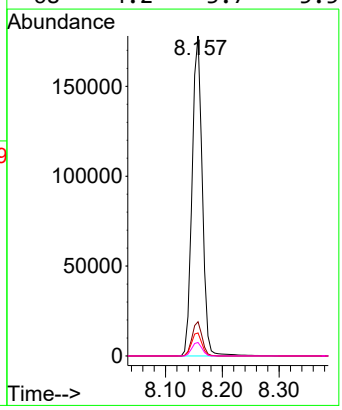


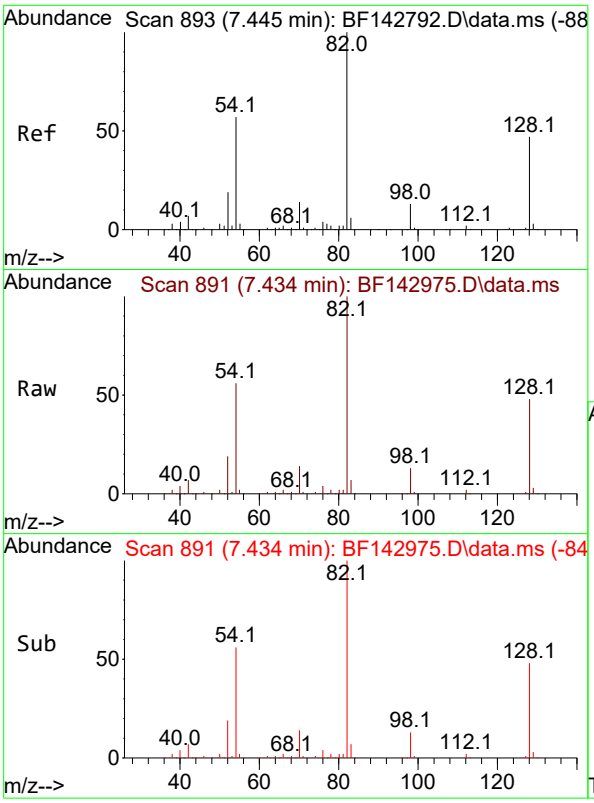


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142975.D
Acq: 02 Jul 2025 17:19

Tgt Ion:136 Resp: 223063

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.2	6.3	9.5
68	4.2	3.7	5.5



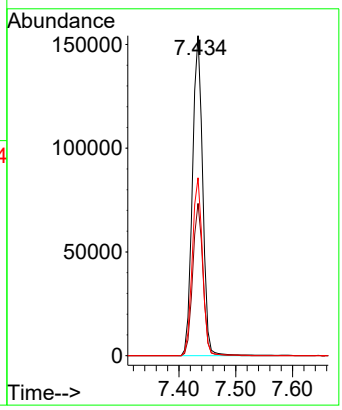


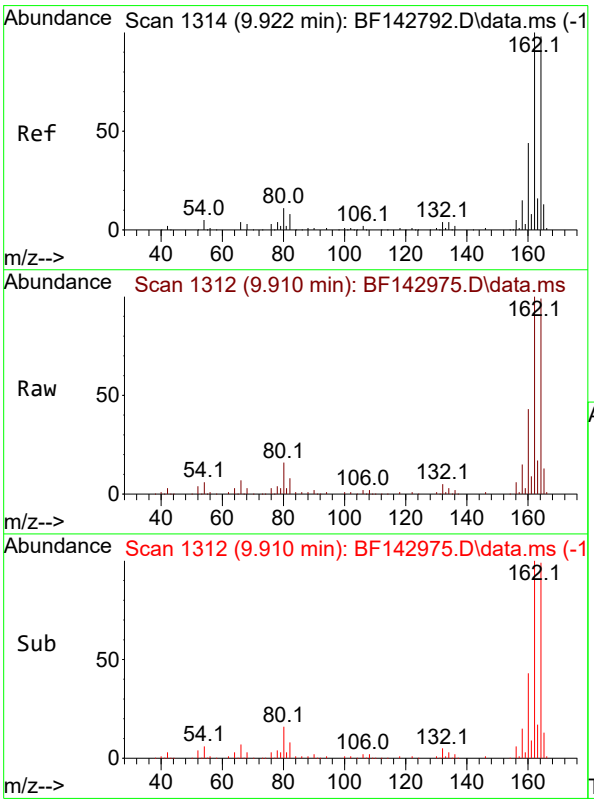
#23
Nitrobenzene-d5
Concen: 47.949 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF142975.D
Acq: 02 Jul 2025 17:19

Instrument :
BNA_F
ClientSampleId :
TP-59

Tgt Ion: 82 Resp: 194996

Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.7	56.5
54	55.6	45.7	68.5

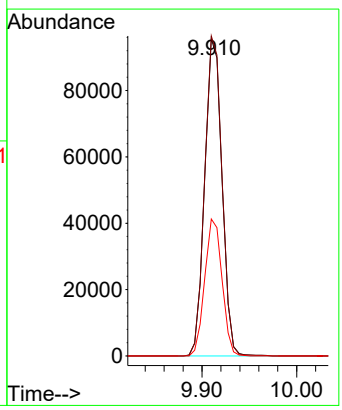


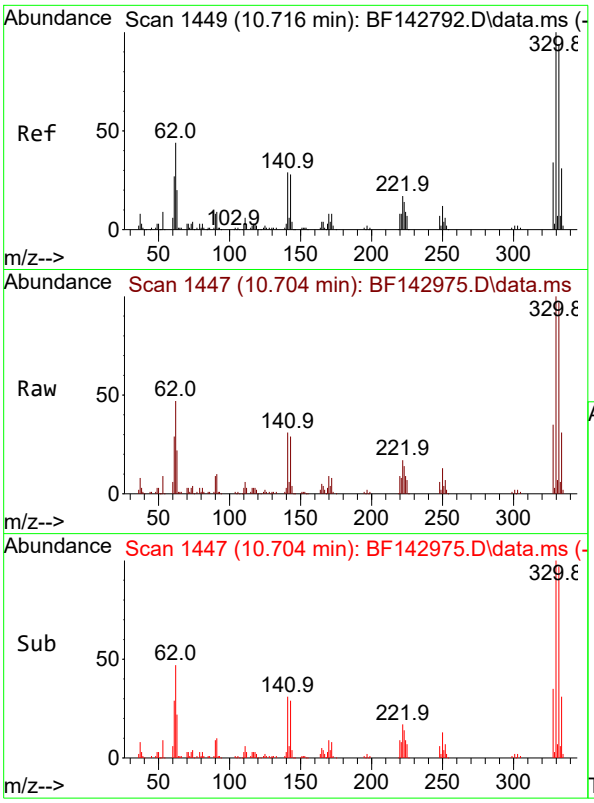


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142975.D
Acq: 02 Jul 2025 17:19

Tgt Ion:164 Resp: 120808

Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.8	122.8
160	43.2	36.0	54.0



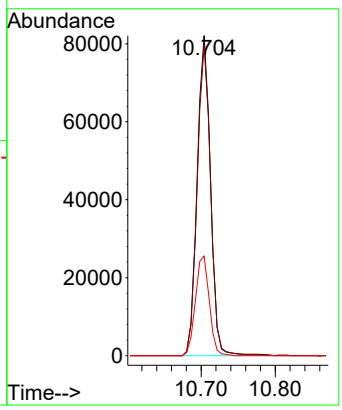


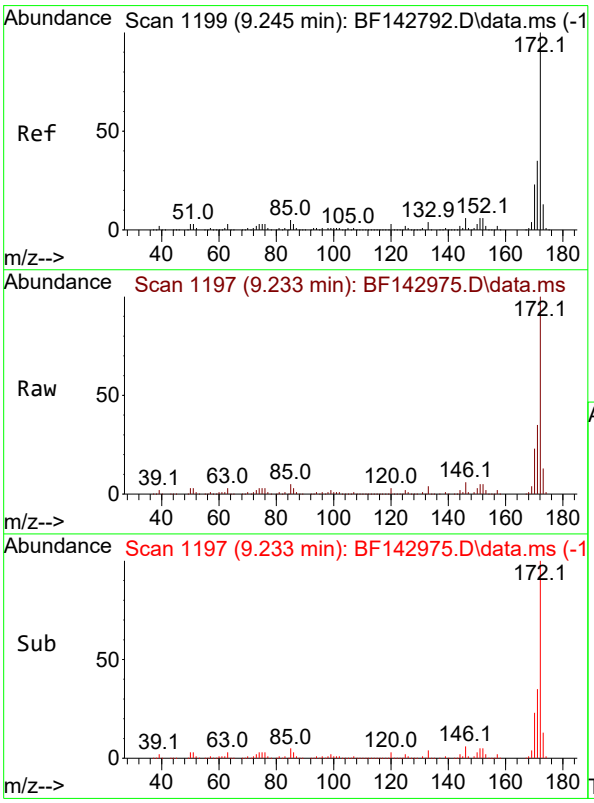
#42
2,4,6-Tribromophenol
Concen: 83.108 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142975.D
Acq: 02 Jul 2025 17:19

Instrument :
BNA_F
ClientSampleId :
TP-59

Tgt Ion:330 Resp: 103320

Ion	Ratio	Lower	Upper
330	100		
332	97.0	75.0	112.6
141	32.1	25.3	37.9

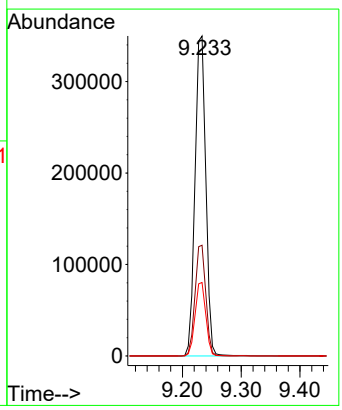


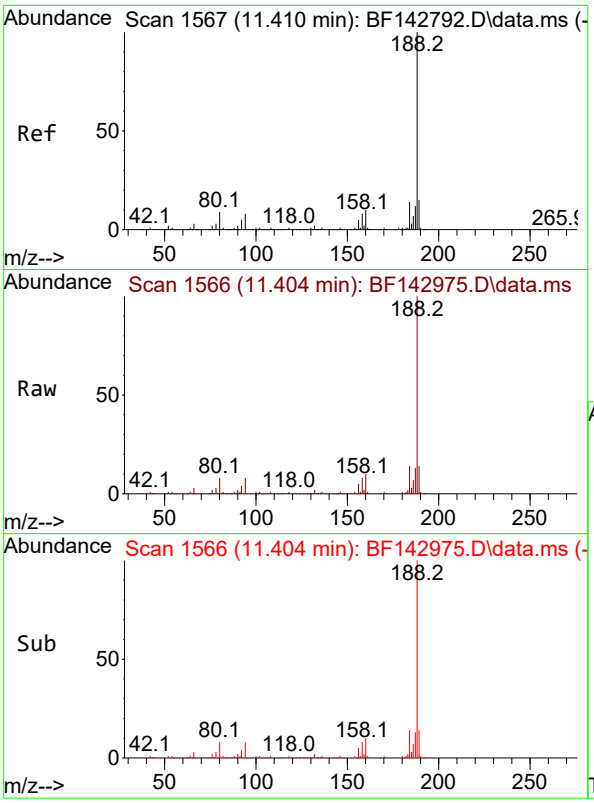


#45
2-Fluorobiphenyl
Concen: 48.642 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142975.D
Acq: 02 Jul 2025 17:19

Tgt Ion:172 Resp: 447320

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.2	42.4
170	23.0	18.5	27.7



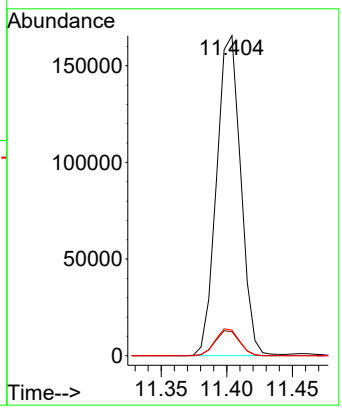


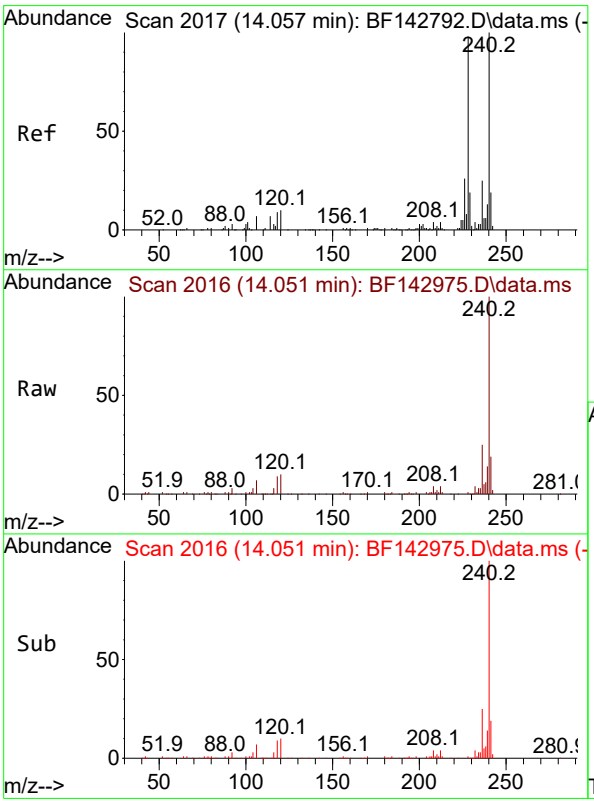
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142975.D
Acq: 02 Jul 2025 17:19

Instrument :
BNA_F
ClientSampleId :
TP-59

Tgt Ion:188 Resp: 212211

Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.7	10.1
80	8.0	6.9	10.3

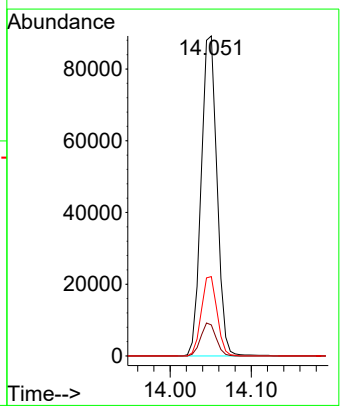


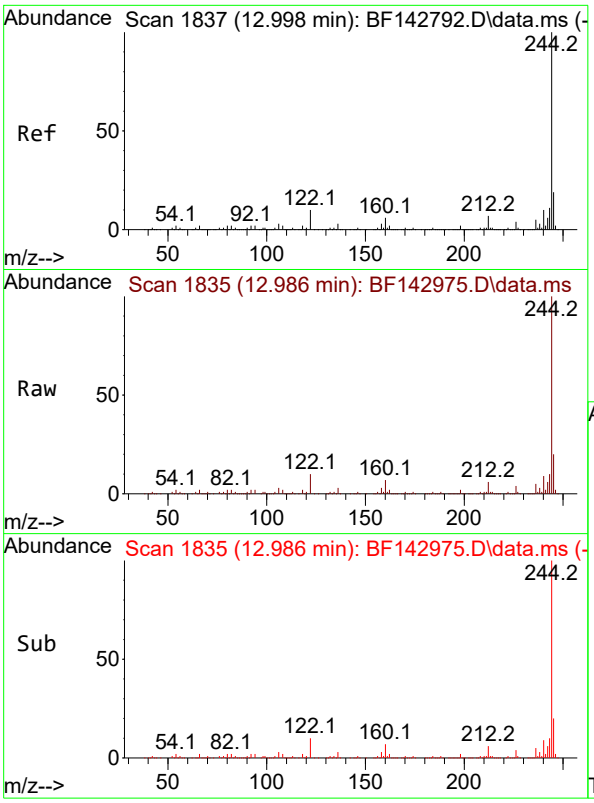


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142975.D
Acq: 02 Jul 2025 17:19

Tgt Ion:240 Resp: 120436

Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.2	12.2
236	24.8	19.8	29.8



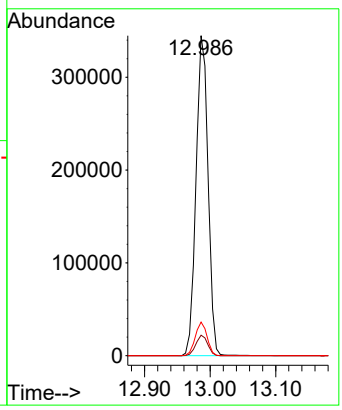


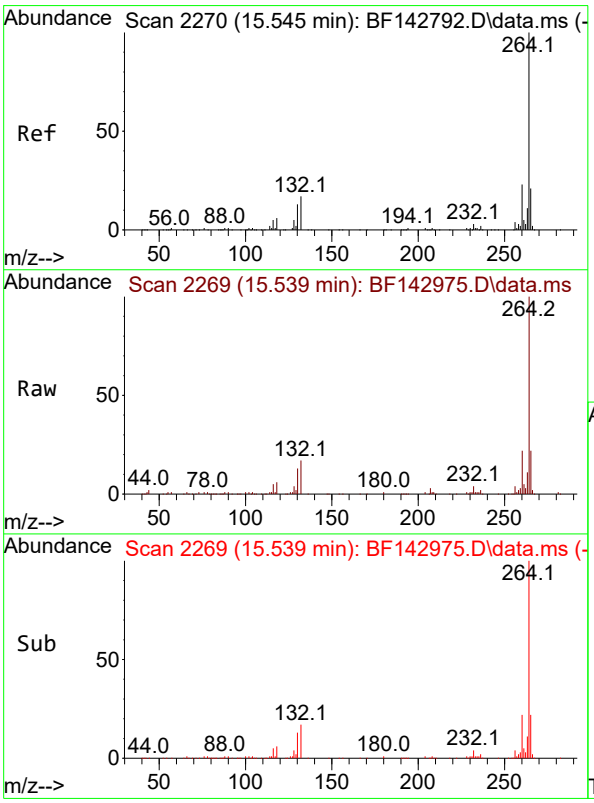
#79
Terphenyl-d14
Concen: 50.557 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142975.D
Acq: 02 Jul 2025 17:19

Instrument :
BNA_F
ClientSampleId :
TP-59

Tgt Ion:244 Resp: 440678

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	10.5	8.2	12.2

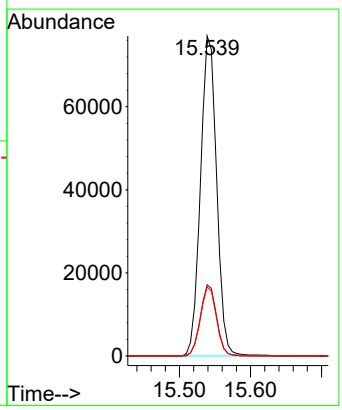




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF142975.D
Acq: 02 Jul 2025 17:19

Tgt Ion:264 Resp: 122074

Ion	Ratio	Lower	Upper
264	100		
260	22.3	18.1	27.1
265	21.6	16.6	25.0



Sample Results: **BF142975.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142975.D
Acq On : 02 Jul 2025 17:19
Operator : RC/JU
Sample : Q2458-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-59

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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142975.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.081	482	491	503	rBV	59831	94359	7.62%	1.121%
2	5.487	555	560	576	rBV	697863	909815	73.46%	10.812%
3	6.498	727	732	747	rBV	693175	917989	74.12%	10.909%
4	6.869	790	795	804	rBV	266604	324860	26.23%	3.860%
5	7.434	885	891	904	rBV	468102	586324	47.34%	6.968%
6	8.157	1009	1014	1033	rBV	341570	423067	34.16%	5.027%
7	9.228	1191	1196	1202	rBV	972382	1238598	100.00%	14.719%
8	9.910	1307	1312	1323	rVB	390172	488370	39.43%	5.804%
9	10.627	1429	1434	1441	rVB	123050	155928	12.59%	1.853%
10	10.704	1441	1447	1462	rBV	598124	766991	61.92%	9.114%
11	11.404	1560	1566	1573	rBV	387868	503749	40.67%	5.986%
12	11.757	1621	1626	1632	rBV	49339	58016	4.68%	0.689%
13	11.921	1649	1654	1668	rBV3	36574	67119	5.42%	0.798%
14	12.986	1830	1835	1840	rBV	905865	1142277	92.22%	13.574%
15	13.886	1981	1988	2006	rBV	36744	98087	7.92%	1.166%
16	14.045	2010	2015	2024	rVB	230057	308659	24.92%	3.668%
17	15.539	2263	2269	2279	rBV	201190	314238	25.37%	3.734%
18	17.203	2547	2552	2559	rVB7	8277	16647	1.34%	0.198%

Sum of corrected areas: 8415093

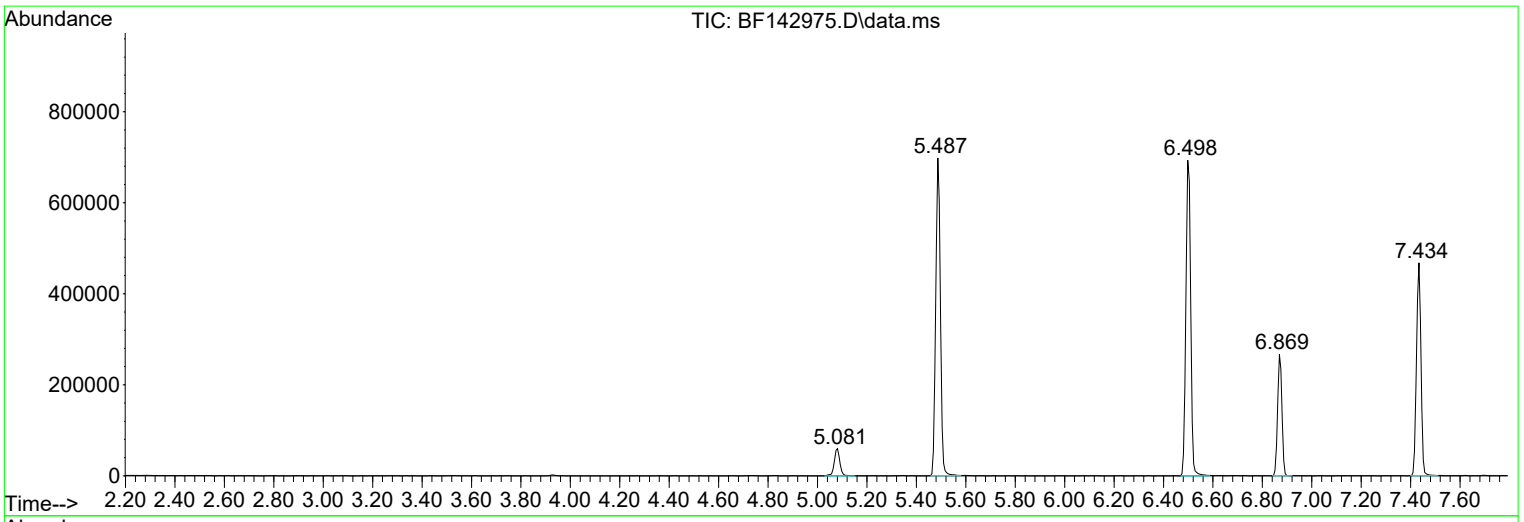
Sample Results: **BF142975.D**

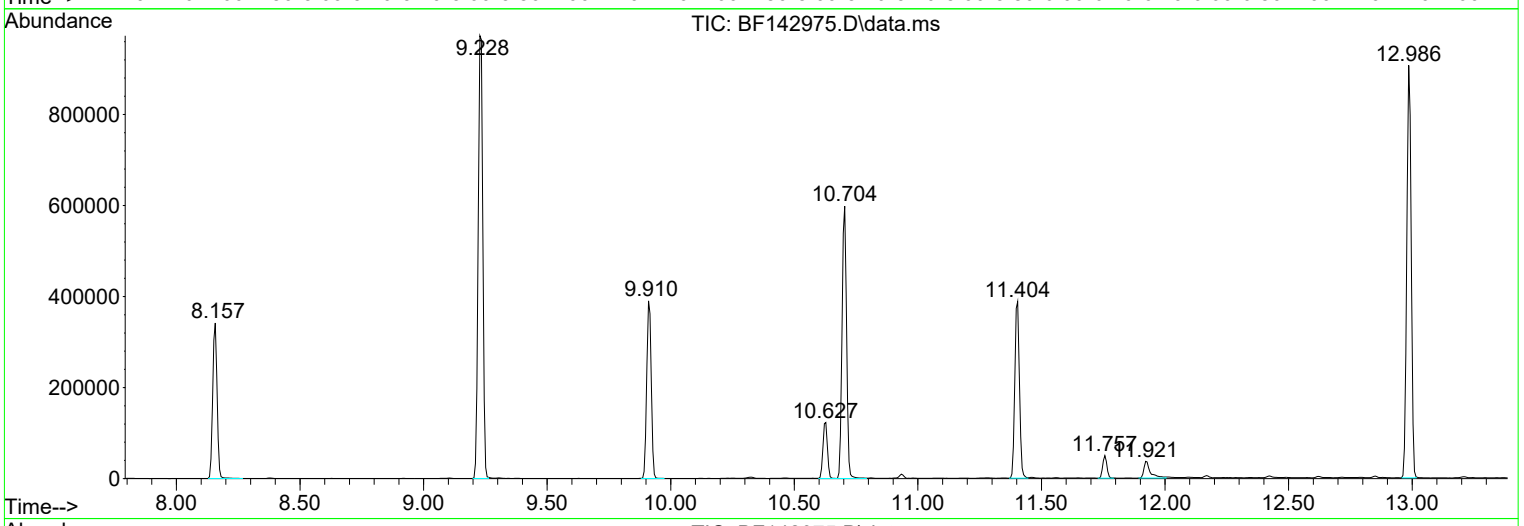
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142975.D
Acq On : 02 Jul 2025 17:19
Operator : RC/JU
Sample : Q2458-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

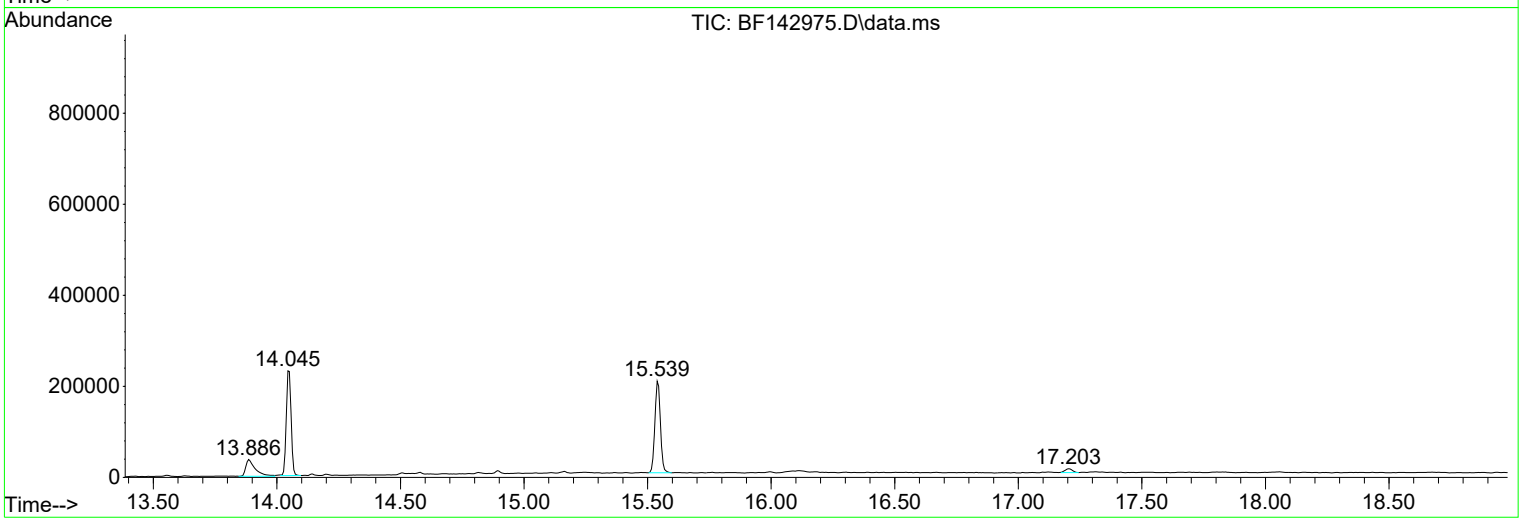
Instrument :
BNA_F
ClientSampleId :
TP-59

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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\BF070225\
Data File : BF142975.D
Acq On : 02 Jul 2025 17:19
Operator : RC/JU
Sample : Q2458-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-59

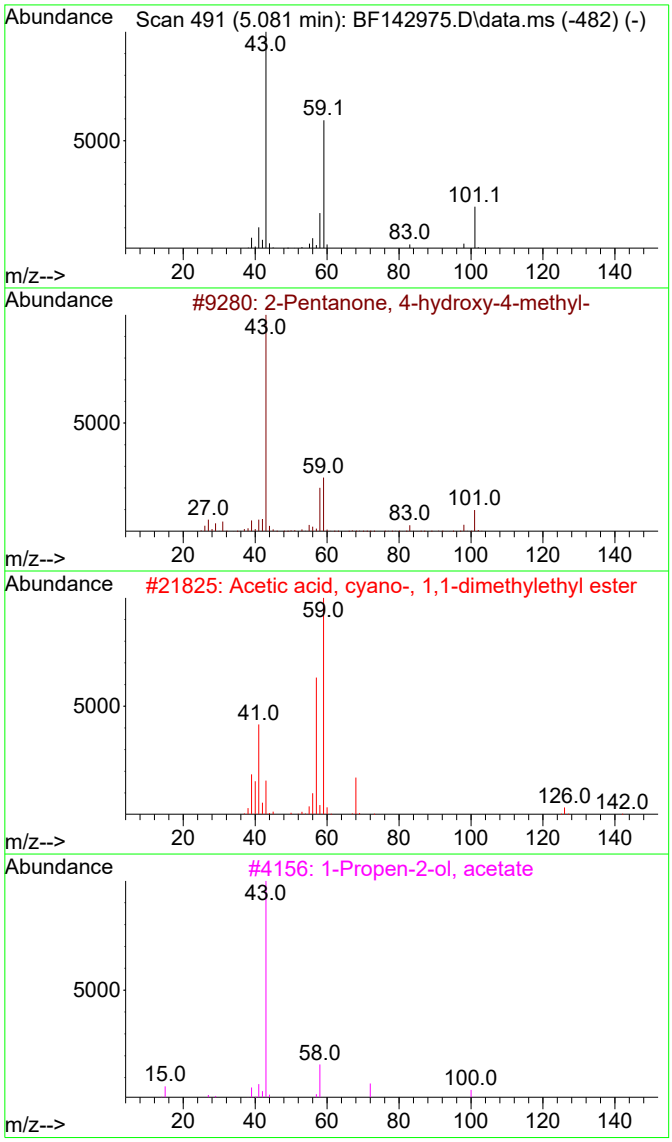
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

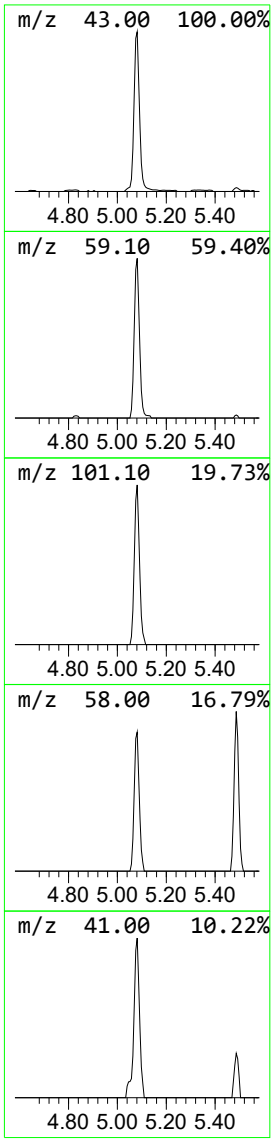
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.081	5.81 ng	94359	1,4-Dichlorobenzene-d4	6.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142975.D
Acq On : 02 Jul 2025 17:19
Operator : RC/JU
Sample : Q2458-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-59

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

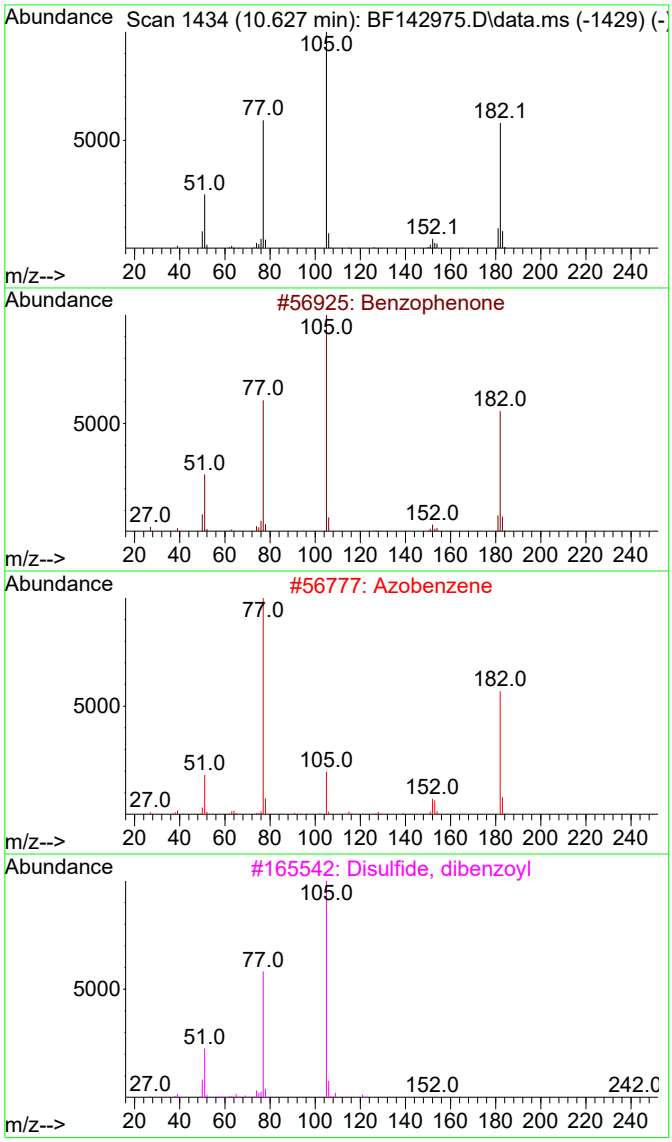
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TIC Integration Parameters: LSCINT.P

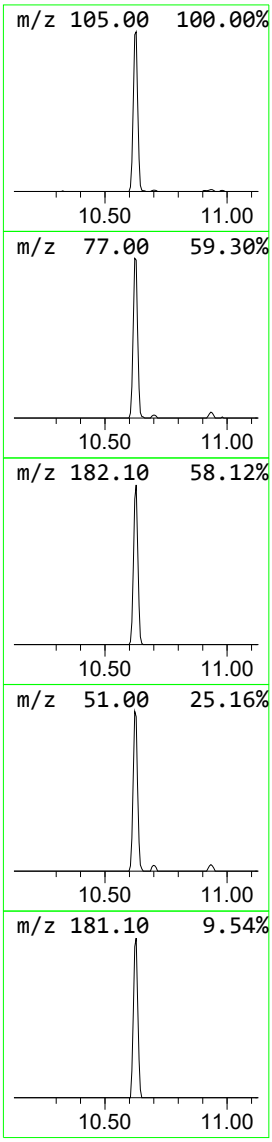
****

Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.627	6.39 ng	155928	Acenaphthene-d10	9.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	59
3	Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	49
4	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
5	acetic acid, 2-bromo-, 2-oxo-2-p...	256	C10H9BrO3	1000401-50-0	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142975.D
Acq On : 02 Jul 2025 17:19
Operator : RC/JU
Sample : Q2458-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-59

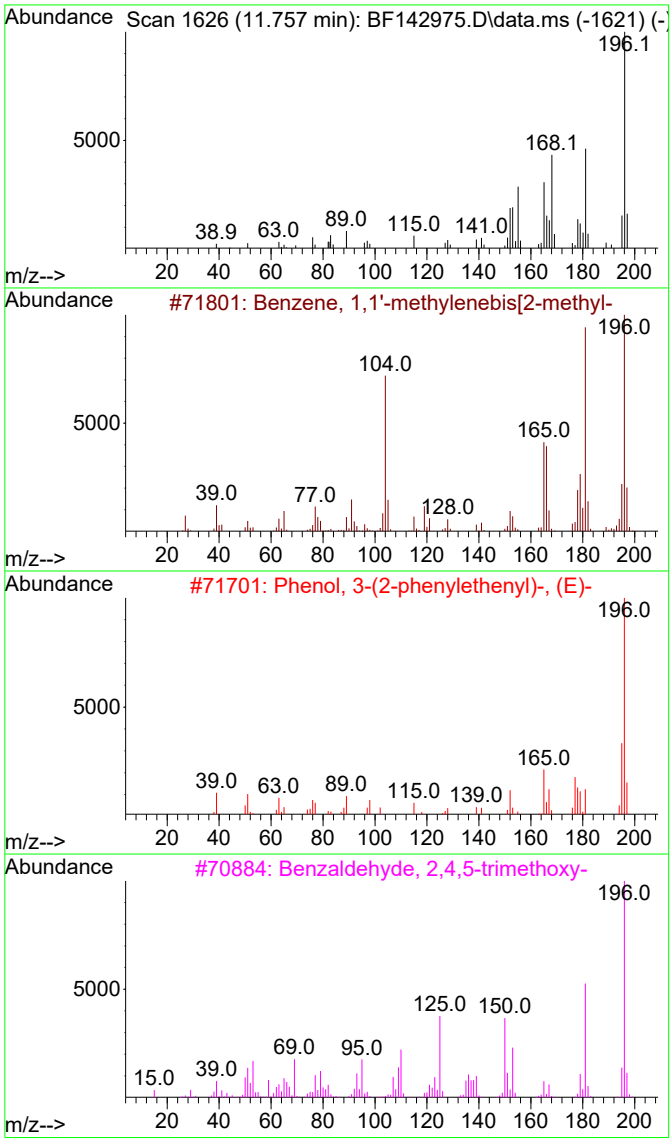
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

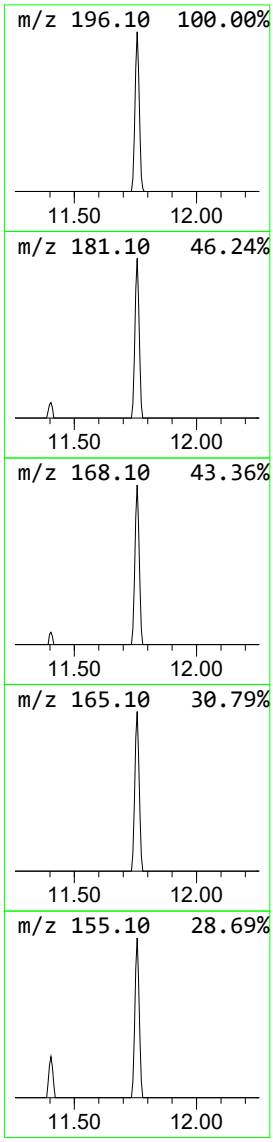
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 1,1'-methylenebis[... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.757	2.30 ng	58016	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-methylenebis[2-met...	196	C15H16	001634-74-8	60
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	55
3	Benzaldehyde, 2,4,5-trimethoxy-	196	C10H12O4	004460-86-0	52
4	9H-Fluorene, 2-methoxy-	196	C14H12O	002523-46-8	49
5	Benzaldehyde, 2,3,4-trimethoxy-	196	C10H12O4	002103-57-3	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142975.D
Acq On : 02 Jul 2025 17:19
Operator : RC/JU
Sample : Q2458-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-59

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

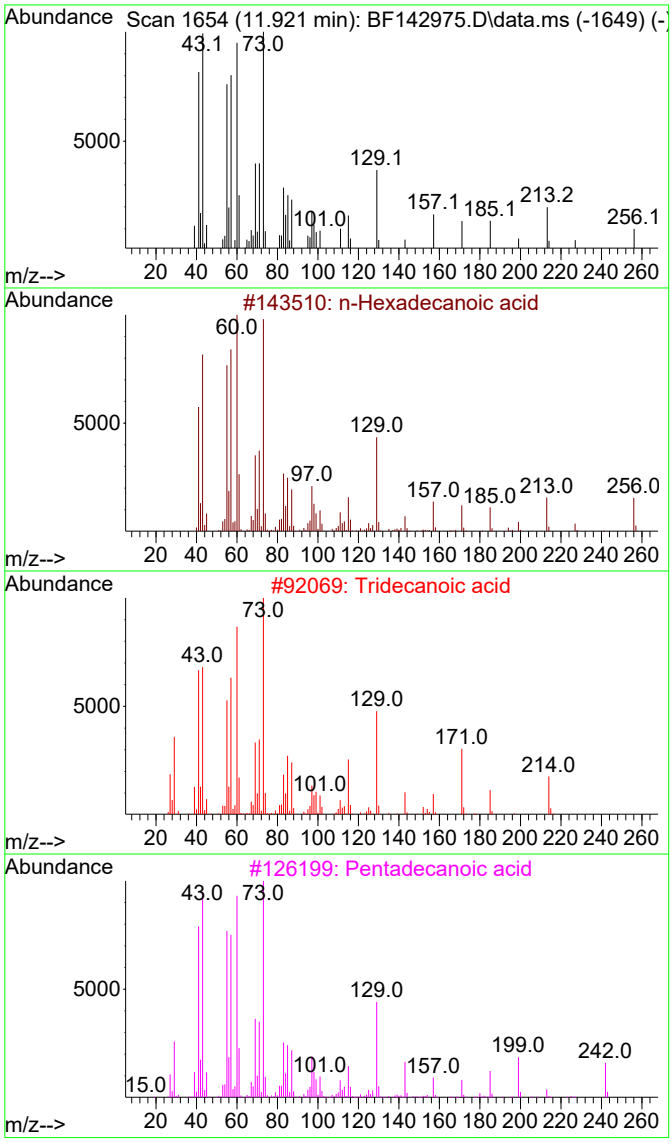
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

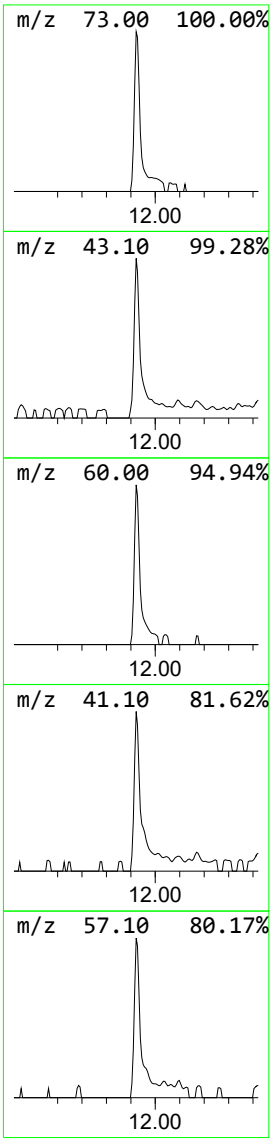
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	2.66 ng	67119	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	n-Decanoic acid	172	C10H20O2	000334-48-5	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142975.D
Acq On : 02 Jul 2025 17:19
Operator : RC/JU
Sample : Q2458-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-59

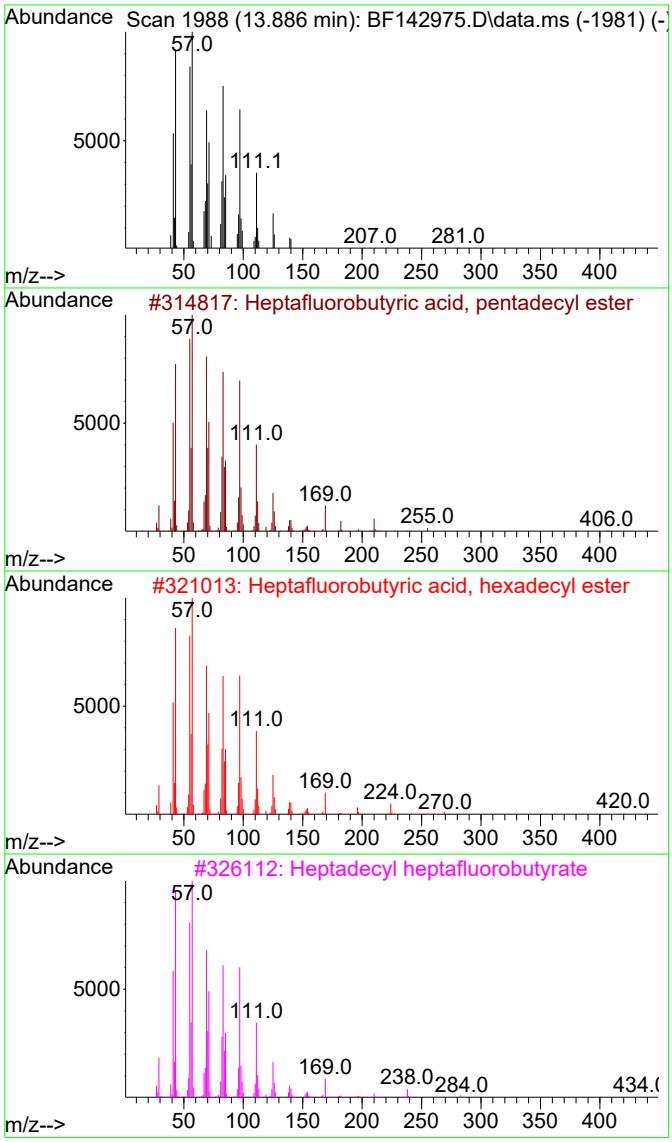
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

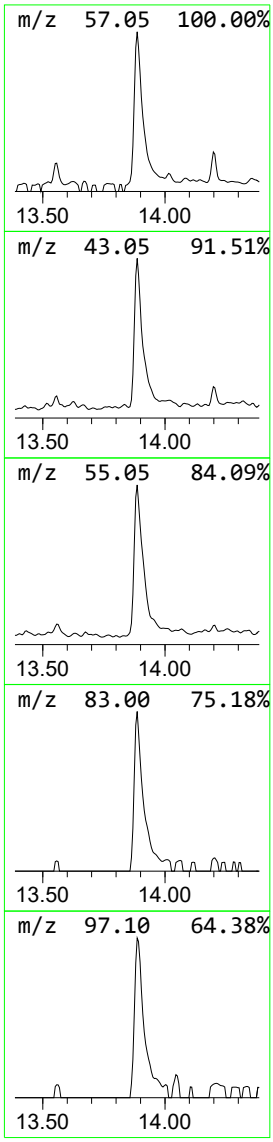
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Heptafluorobutyric acid, pe... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.886	6.36 ng	98087	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	95
2	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	95
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	95
4	Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	95
5	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142975.D
Acq On : 02 Jul 2025 17:19
Operator : RC/JU
Sample : Q2458-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-59

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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-...	5.081	5.8	ng	94359	1	6.869	324860	20.0
Benzophenone	10.627	6.4	ng	155928	3	9.910	488370	20.0
Benzene, 1,1'-m...	11.757	2.3	ng	58016	4	11.404	503749	20.0
n-Hexadecanoic ...	11.922	2.7	ng	67119	4	11.404	503749	20.0
Heptafluorobuty...	13.886	6.4	ng	98087	5	14.051	308659	20.0

Raw Data: **BF142998.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	FB-06272025	SDG No.:	Q2458
Lab Sample ID:	Q2458-10	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142998.D	1	07/03/25 08:56	07/03/25 15:58	PB168716

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.1	ug/L
108-95-2	Phenol	0.92	U	0.92	5.10	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.82	U	0.82	5.10	ug/L
95-57-8	2-Chlorophenol	0.59	U	0.59	5.10	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.10	ug/L
98-86-2	Acetophenone	0.75	U	0.75	5.10	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.1	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.50	ug/L
67-72-1	Hexachloroethane	0.66	U	0.66	5.10	ug/L
98-95-3	Nitrobenzene	0.77	U	0.77	5.10	ug/L
78-59-1	Isophorone	0.76	U	0.76	5.10	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.10	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.69	U	0.69	5.10	ug/L
120-83-2	2,4-Dichlorophenol	0.53	U	0.53	5.10	ug/L
91-20-3	Naphthalene	0.51	U	0.51	5.10	ug/L
106-47-8	4-Chloroaniline	0.85	U	0.85	5.10	ug/L
87-68-3	Hexachlorobutadiene	0.55	U	0.55	5.10	ug/L
105-60-2	Caprolactam	1.10	U	1.10	10.1	ug/L
59-50-7	4-Chloro-3-methylphenol	0.60	U	0.60	5.10	ug/L
91-57-6	2-Methylnaphthalene	0.57	U	0.57	5.10	ug/L
77-47-4	Hexachlorocyclopentadiene	3.70	U	3.70	10.1	ug/L
88-06-2	2,4,6-Trichlorophenol	0.52	U	0.52	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	0.63	U	0.63	5.10	ug/L
92-52-4	1,1-Biphenyl	0.54	U	0.54	5.10	ug/L
91-58-7	2-Chloronaphthalene	0.62	U	0.62	5.10	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.10	ug/L
131-11-3	Dimethylphthalate	0.62	U	0.62	5.10	ug/L

Raw Data: **BF142998.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	FB-06272025	SDG No.:	Q2458
Lab Sample ID:	Q2458-10	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142998.D	1	07/03/25 08:56	07/03/25 15:58	PB168716

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.76	U	0.76	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	0.93	U	0.93	5.10	ug/L
99-09-2	3-Nitroaniline	1.10	U	1.10	5.10	ug/L
83-32-9	Acenaphthene	0.56	U	0.56	5.10	ug/L
51-28-5	2,4-Dinitrophenol	6.00	U	6.00	10.1	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.1	ug/L
132-64-9	Dibenzofuran	0.62	U	0.62	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.10	ug/L
84-66-2	Diethylphthalate	0.70	U	0.70	5.10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.69	U	0.69	5.10	ug/L
86-73-7	Fluorene	0.64	U	0.64	5.10	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.1	ug/L
86-30-6	n-Nitrosodiphenylamine	0.59	U	0.59	5.10	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.10	ug/L
118-74-1	Hexachlorobenzene	0.53	U	0.53	5.10	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.10	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.1	ug/L
85-01-8	Phenanthrene	0.51	U	0.51	5.10	ug/L
120-12-7	Anthracene	0.62	U	0.62	5.10	ug/L
86-74-8	Carbazole	0.73	U	0.73	5.10	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.10	ug/L
206-44-0	Fluoranthene	0.83	U	0.83	5.10	ug/L
129-00-0	Pyrene	0.51	U	0.51	5.10	ug/L
85-68-7	Butylbenzylphthalate	1.90	UQ	1.90	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	0.94	U	0.94	10.1	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.10	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.10	ug/L
117-84-0	Di-n-octyl phthalate	2.40	U	2.40	10.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.10	ug/L

Raw Data: **BF142998.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	FB-06272025	SDG No.:	Q2458
Lab Sample ID:	Q2458-10	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142998.D	1	07/03/25 08:56	07/03/25 15:58	PB168716

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.10	ug/L
50-32-8	Benzo(a)pyrene	0.56	U	0.56	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.60	U	0.60	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.68	U	0.68	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	0.70	U	0.70	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.53	U	0.53	5.10	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.73	U	0.73	5.10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	65.5		23 - 138	44%	SPK: 150
13127-88-3	Phenol-d6	41.0		10 - 134	27%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.3		67 - 132	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.7		52 - 132	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	141		44 - 137	94%	SPK: 150
1718-51-0	Terphenyl-d14	86.4		42 - 152	86%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	74600	6.875			
1146-65-2	Naphthalene-d8	284000	8.157			
15067-26-2	Acenaphthene-d10	151000	9.91			
1517-22-2	Phenanthrene-d10	259000	11.404			
1719-03-5	Chrysene-d12	149000	14.051			
1520-96-3	Perylene-d12	177000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.30	AB		5.09	ug/L
001638-16-0	2-Propanol, 1,1-[(1-methyl-1,2-et	2.70	J		8.37	ug/L
117888-04-7	2,4-Diethyl-6-methyl-1,3,5-trioxan	3.90	J		8.40	ug/L
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	2.60	J		9.35	ug/L

Raw Data: **BF142998.D**

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

Report of Analysis

Client:	CDM Smith			Date Collected:	06/27/25
Project:	South River WM Replacement			Date Received:	06/27/25
Client Sample ID:	FB-06272025			SDG No.:	Q2458
Lab Sample ID:	Q2458-10			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	990	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 :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142998.D	1	07/03/25 08:56	07/03/25 15:58	PB168716

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\BF070325\
Data File : BF142998.D
Acq On : 03 Jul 2025 15:58
Operator : RC/JU
Sample : Q2458-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB-06272025

Quant Time: Jul 03 16:21:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

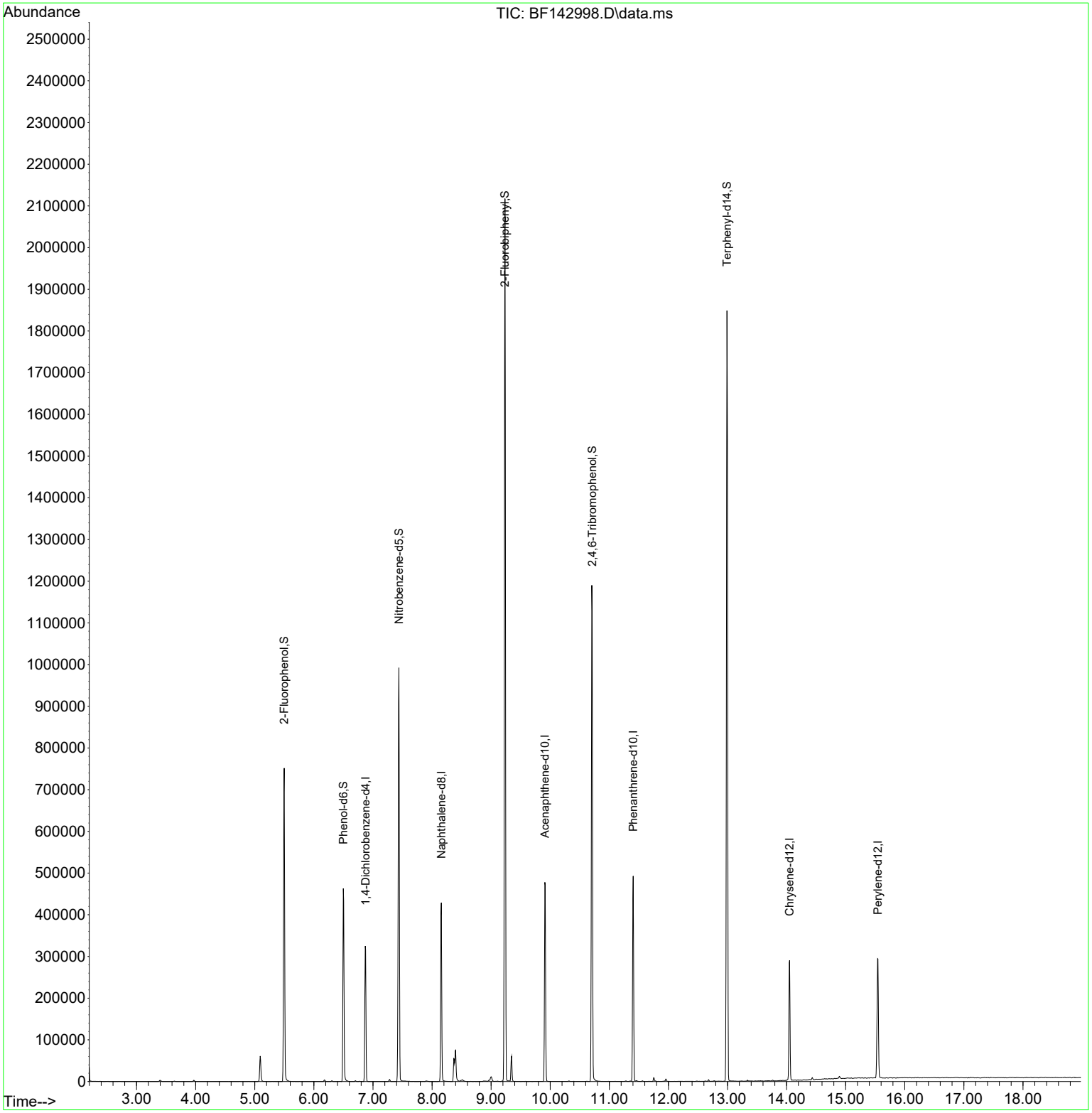
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	74550	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	284157	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	150910	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	259289	20.000	ng	0.00
76) Chrysene-d12	14.051	240	148740	20.000	ng	0.00
86) Perylene-d12	15.545	264	177122	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	293287	65.500	ng	0.00
7) Phenol-d6	6.498	99	216660	41.012	ng	-0.01
23) Nitrobenzene-d5	7.439	82	457582	88.327	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	218827	140.909	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	961589	83.706	ng	-0.01
79) Terphenyl-d14	12.992	244	929825	86.375	ng	0.00
Target Compounds						Qvalue

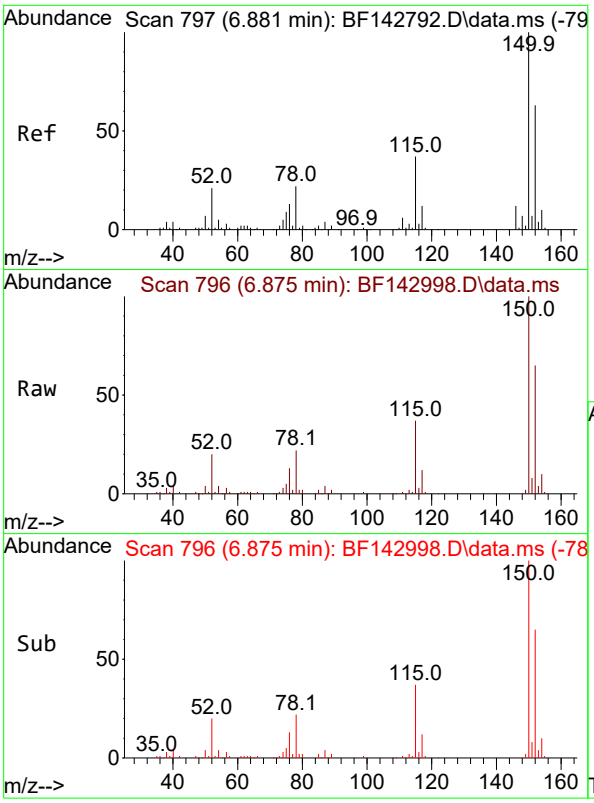
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142998.D
Acq On : 03 Jul 2025 15:58
Operator : RC/JU
Sample : Q2458-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB-06272025

Quant Time: Jul 03 16:21:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



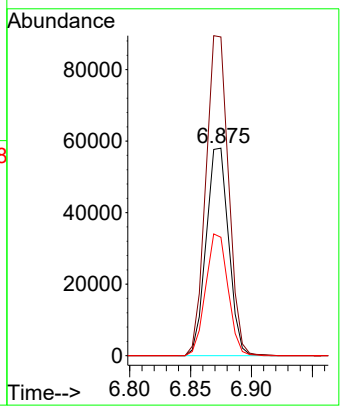


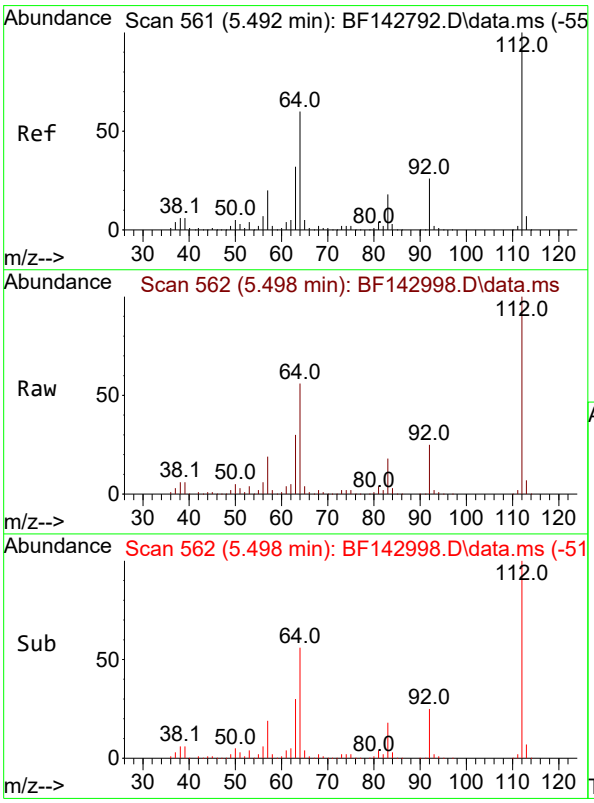
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142998.D
Acq: 03 Jul 2025 15:58

Instrument :
BNA_F
ClientSampleId :
FB-06272025

Tgt Ion:152 Resp: 74550

Ion	Ratio	Lower	Upper
152	100		
150	153.6	127.2	190.8
115	57.0	46.6	69.8

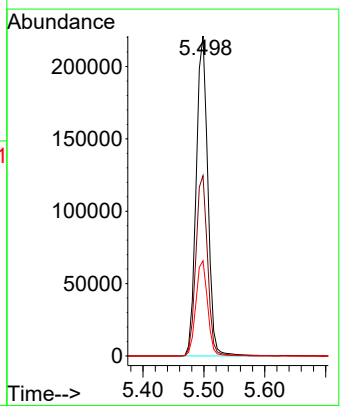


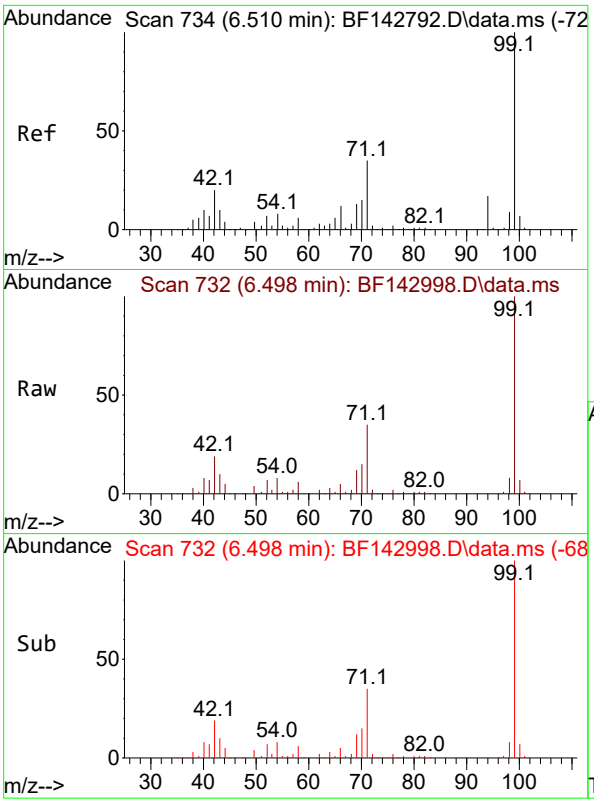


#5
2-Fluorophenol
Concen: 65.500 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF142998.D
Acq: 03 Jul 2025 15:58

Tgt Ion:112 Resp: 293287

Ion	Ratio	Lower	Upper
112	100		
64	56.3	48.2	72.2
63	29.8	25.7	38.5



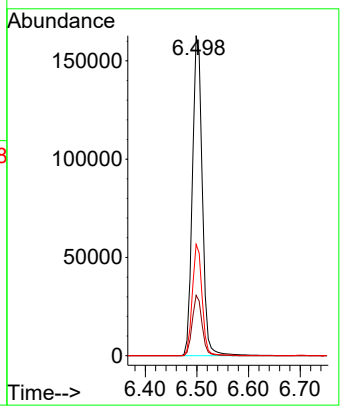


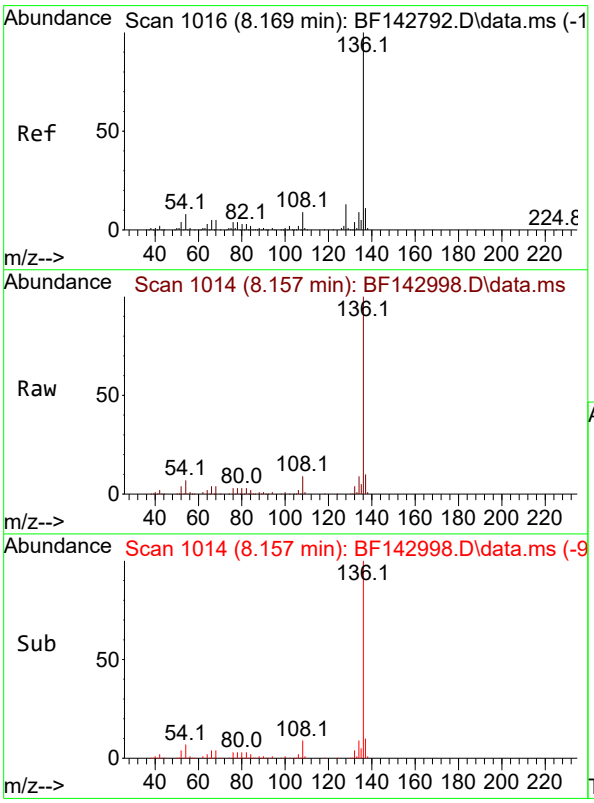
#7
Phenol-d6
Concen: 41.012 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142998.D
Acq: 03 Jul 2025 15:58

Instrument :
BNA_F
ClientSampleId :
FB-06272025

Tgt Ion: 99 Resp: 216660

Ion	Ratio	Lower	Upper
99	100		
42	18.9	15.9	23.9
71	34.8	27.8	41.8

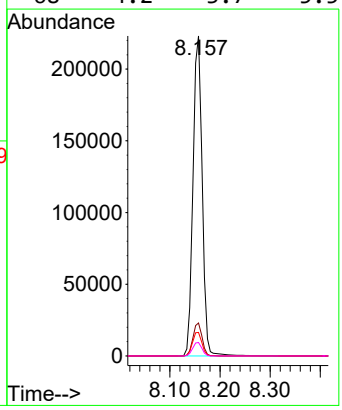


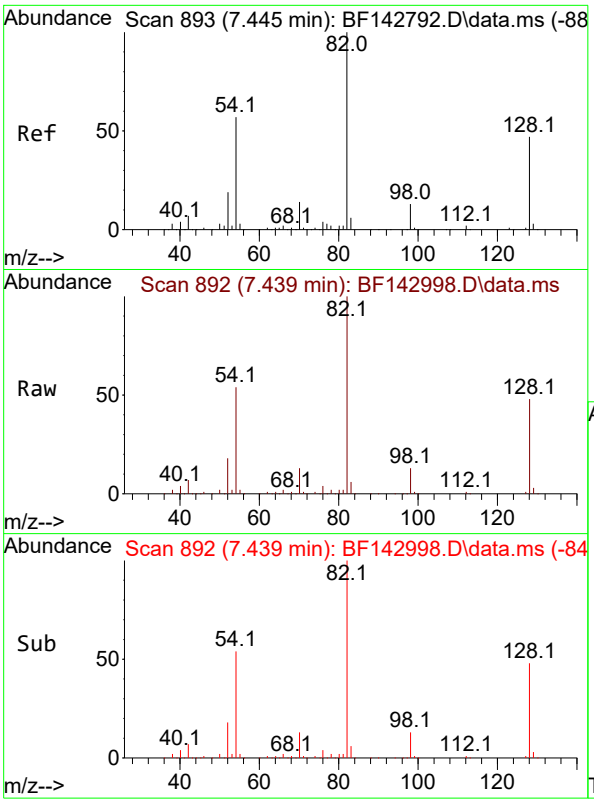


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142998.D
Acq: 03 Jul 2025 15:58

Tgt Ion:136 Resp: 284157

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.4	12.6
54	7.4	6.3	9.5
68	4.2	3.7	5.5



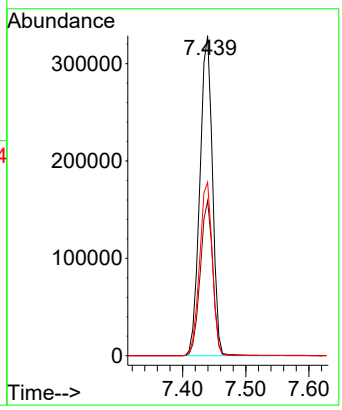


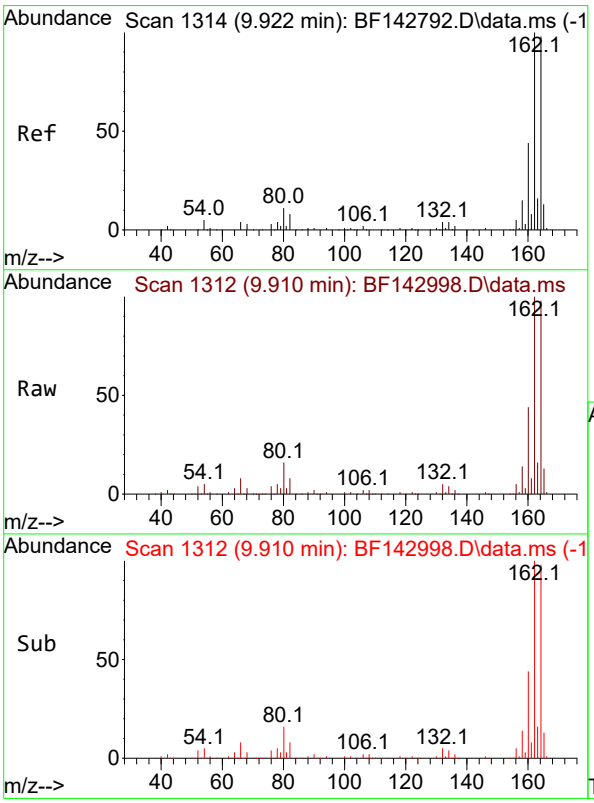
#23
Nitrobenzene-d5
Concen: 88.327 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142998.D
Acq: 03 Jul 2025 15:58

Instrument :
BNA_F
ClientSampleId :
FB-06272025

Tgt Ion: 82 Resp: 457582

Ion	Ratio	Lower	Upper
82	100		
128	48.4	37.7	56.5
54	54.2	45.7	68.5

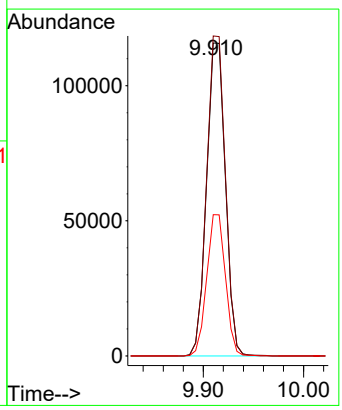


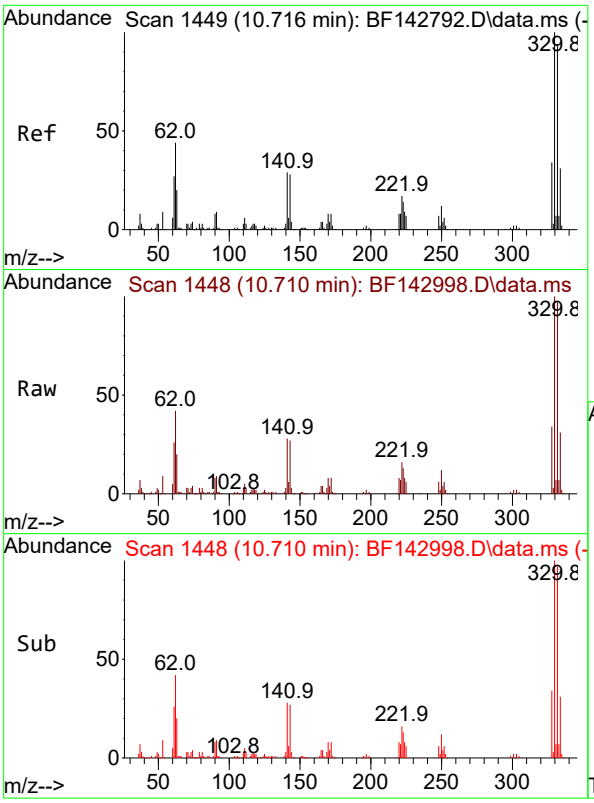


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142998.D
Acq: 03 Jul 2025 15:58

Tgt Ion:164 Resp: 150910

Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.8	122.8
160	45.2	36.0	54.0



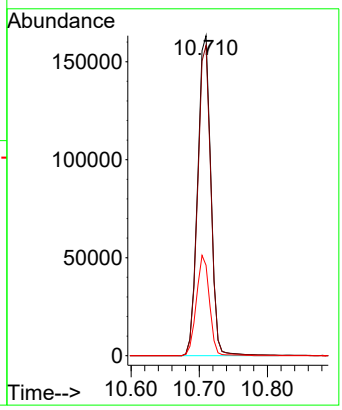


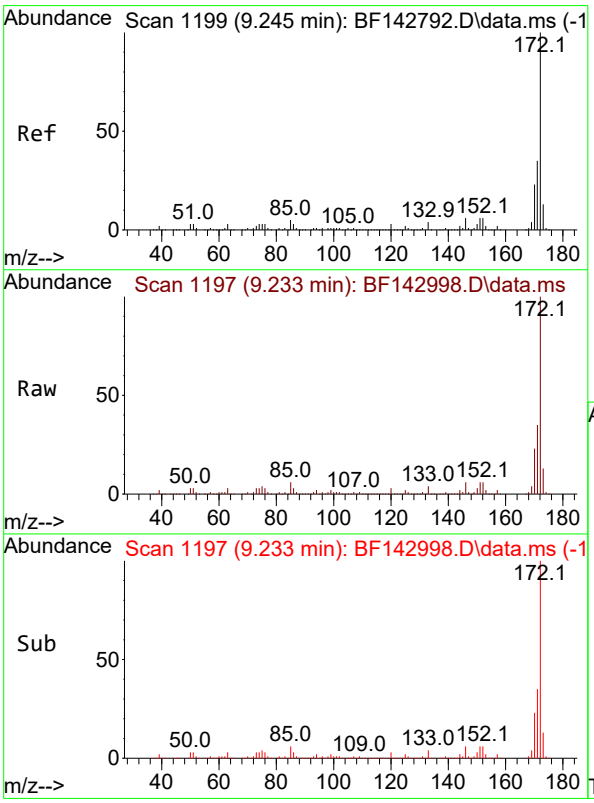
#42
2,4,6-Tribromophenol
Concen: 140.909 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142998.D
Acq: 03 Jul 2025 15:58

Instrument :
BNA_F
ClientSampleId :
FB-06272025

Tgt Ion:330 Resp: 218827

Ion	Ratio	Lower	Upper
330	100		
332	96.9	75.0	112.6
141	31.0	25.3	37.9

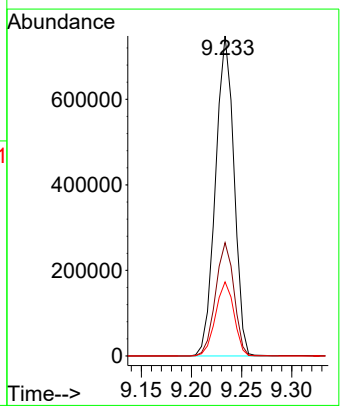


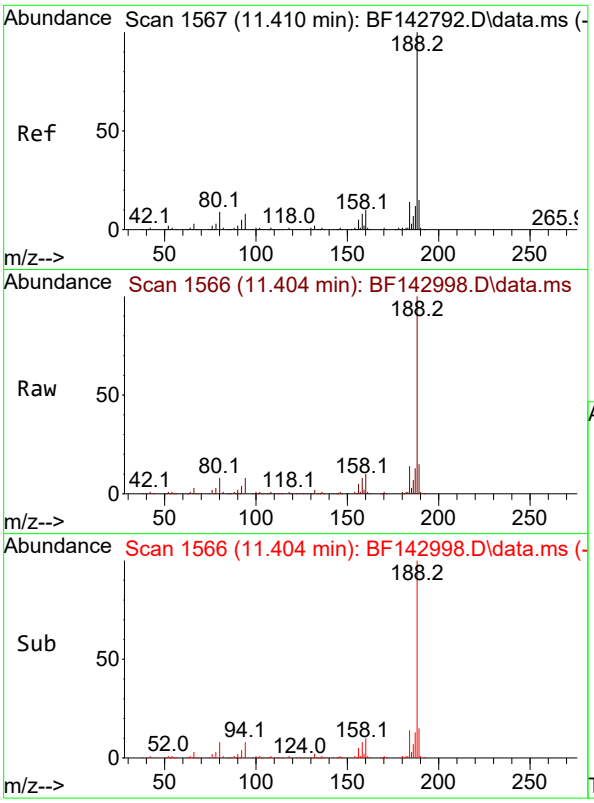


#45
2-Fluorobiphenyl
Concen: 83.706 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142998.D
Acq: 03 Jul 2025 15:58

Tgt Ion:172 Resp: 961589

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.4
170	23.1	18.5	27.7



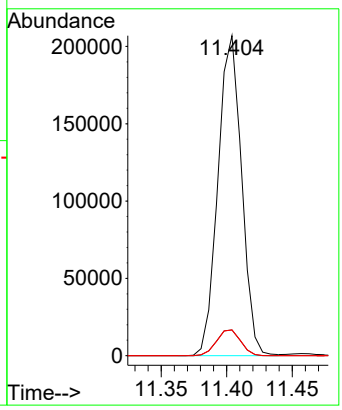


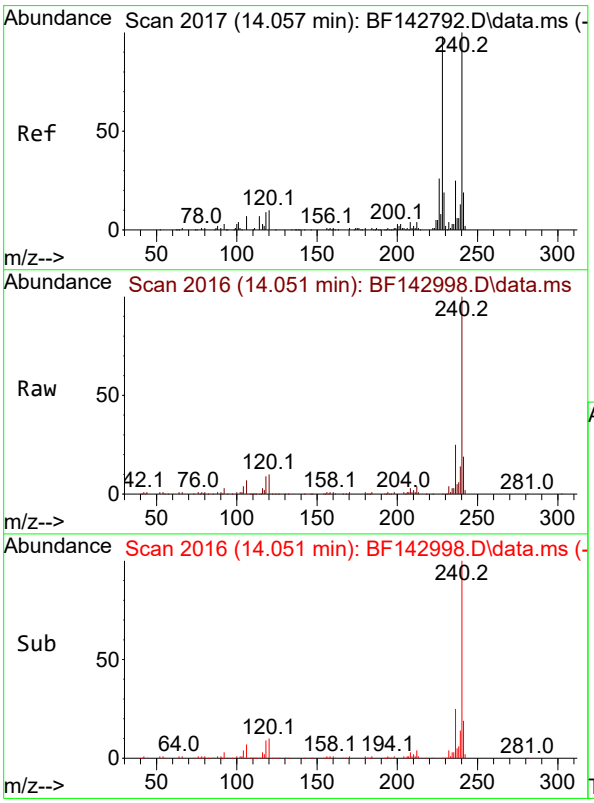
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142998.D
Acq: 03 Jul 2025 15:58

Instrument :
BNA_F
ClientSampleId :
FB-06272025

Tgt Ion:188 Resp: 259289

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.7	10.1
80	8.0	6.9	10.3

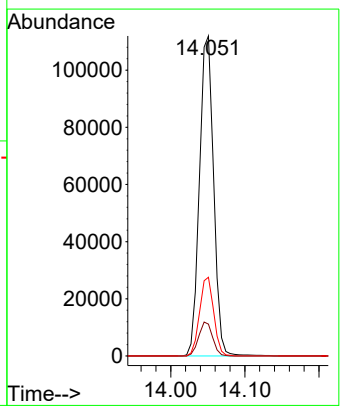


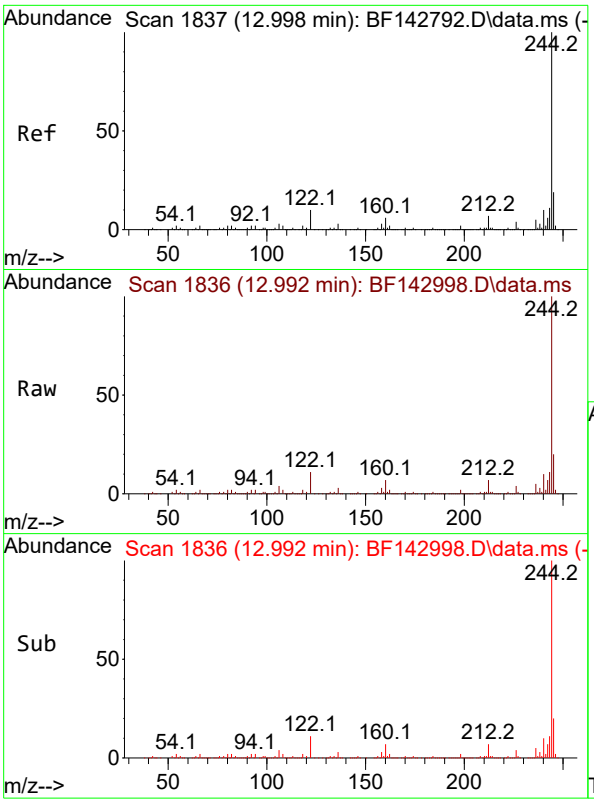


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142998.D
Acq: 03 Jul 2025 15:58

Tgt Ion:240 Resp: 148740

Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.2	12.2
236	24.6	19.8	29.8



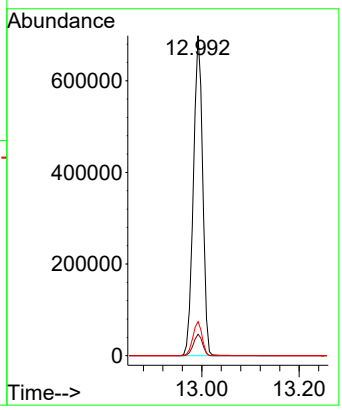


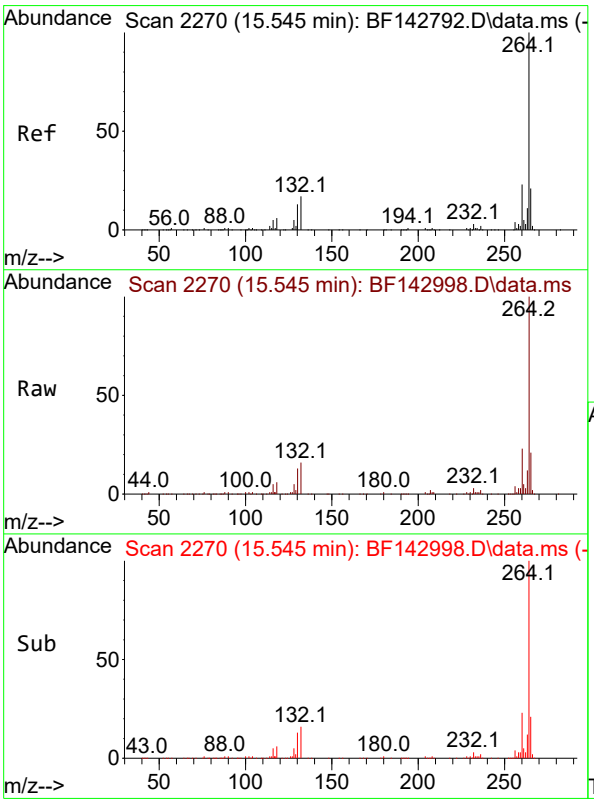
#79
Terphenyl-d14
Concen: 86.375 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142998.D
Acq: 03 Jul 2025 15:58

Instrument :
BNA_F
ClientSampleId :
FB-06272025

Tgt Ion:244 Resp: 929825

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.6	8.2	12.2

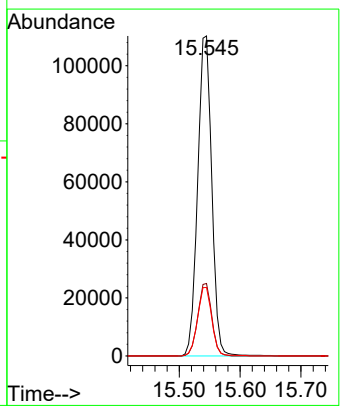




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142998.D
Acq: 03 Jul 2025 15:58

Tgt Ion:264 Resp: 177122

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.1	27.1
265	21.4	16.6	25.0



Sample Results: **BF142998.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142998.D
Acq On : 03 Jul 2025 15:58
Operator : RC/JU
Sample : Q2458-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB-06272025

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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142998.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.093	488	493	503	rVB	60891	88145	3.26%	0.674%
2	5.498	556	562	583	rBV	751655	997525	36.90%	7.623%
3	6.498	727	732	746	rBV	463132	612850	22.67%	4.683%
4	6.869	791	795	804	rVB	324963	412526	15.26%	3.152%
5	7.439	885	892	897	rBV	992039	1373536	50.80%	10.496%
6	8.157	1008	1014	1019	rBV	428330	538253	19.91%	4.113%
7	8.369	1045	1050	1052	rBV	54834	70860	2.62%	0.541%
8	8.398	1052	1055	1066	rVB	74779	105054	3.89%	0.803%
9	9.233	1191	1197	1202	rBV	2116938	2703583	100.00%	20.660%
10	9.345	1211	1216	1225	rVB	60339	78200	2.89%	0.598%
11	9.910	1307	1312	1318	rBV	477688	615523	22.77%	4.704%
12	10.704	1442	1447	1463	rBV	1189894	1599378	59.16%	12.222%
13	11.404	1560	1566	1572	rBV	492578	615681	22.77%	4.705%
14	12.992	1830	1836	1841	rBV	1848286	2439438	90.23%	18.641%
15	14.051	2007	2016	2023	rBV	287909	383313	14.18%	2.929%
16	15.539	2263	2269	2277	rBV	285977	452379	16.73%	3.457%

Sum of corrected areas: 13086244

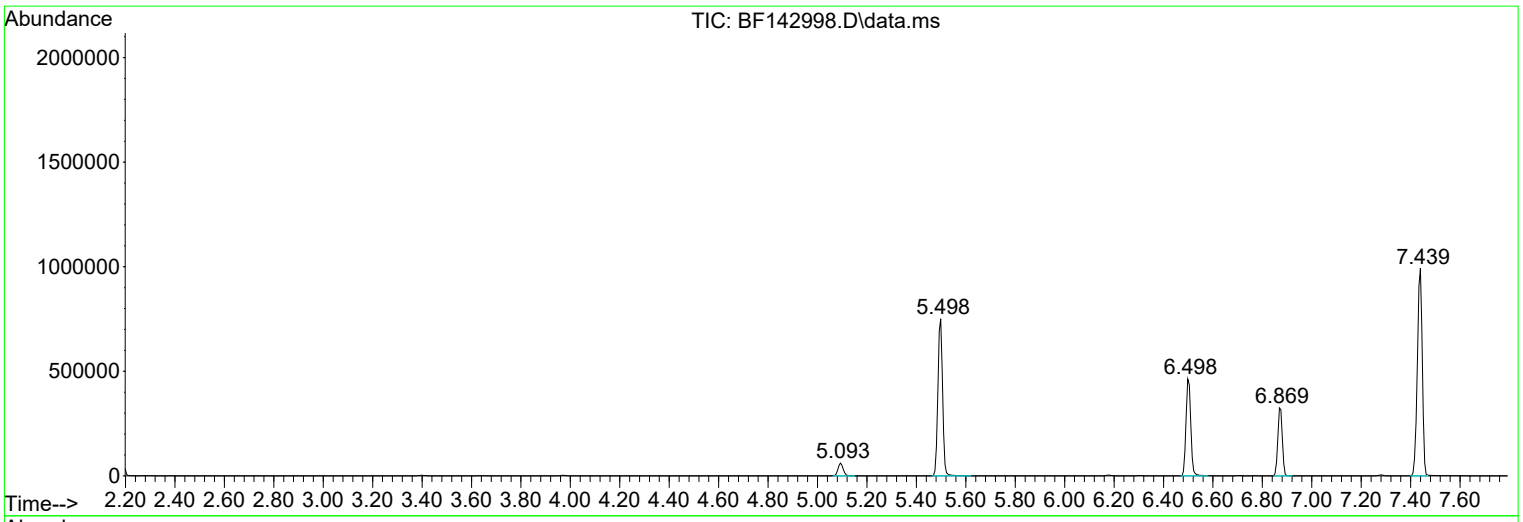
Sample Results: **BF142998.D**

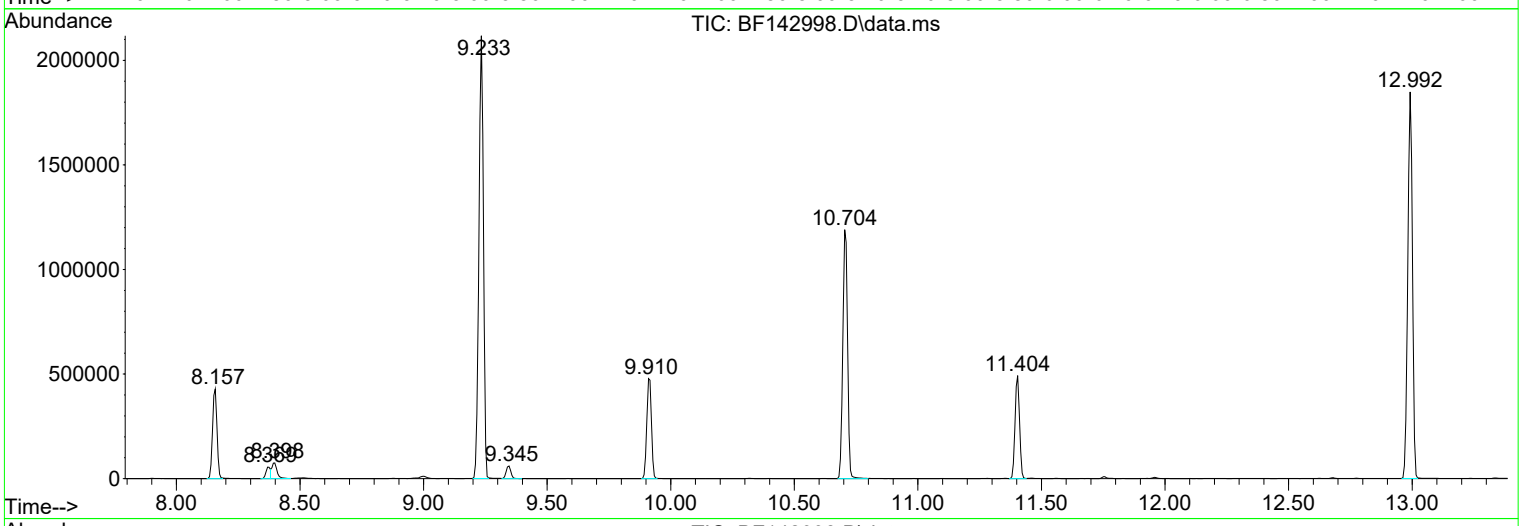
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142998.D
Acq On : 03 Jul 2025 15:58
Operator : RC/JU
Sample : Q2458-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

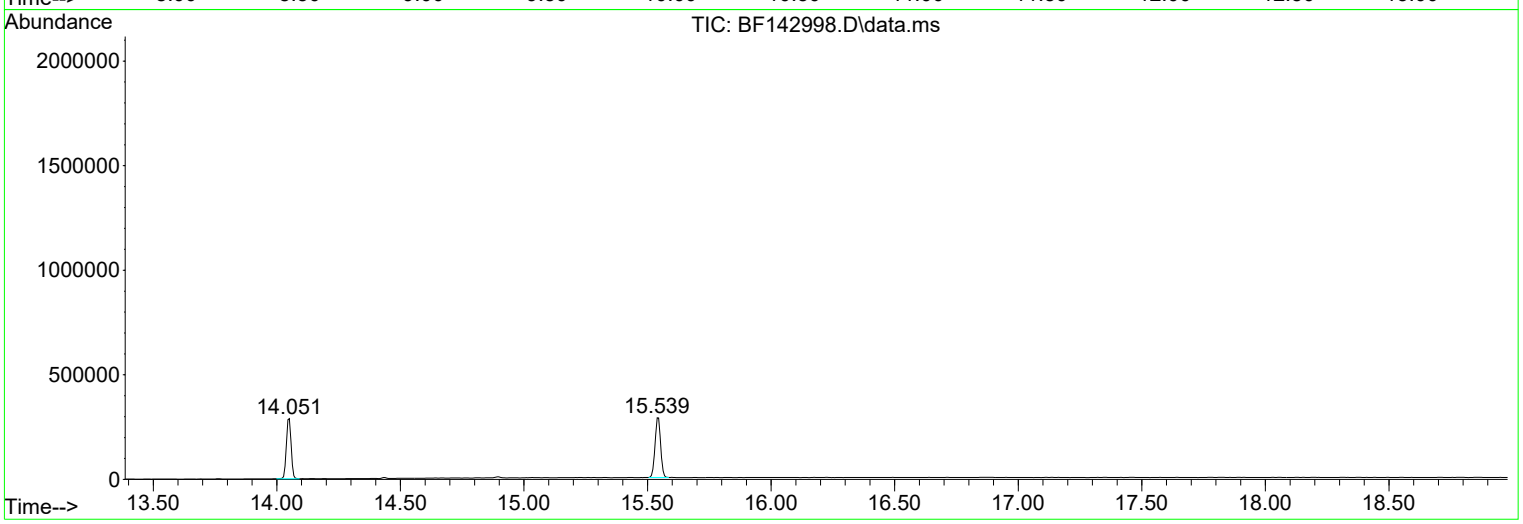
Instrument :
BNA_F
ClientSampleId :
FB-06272025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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\BF070325\
Data File : BF142998.D
Acq On : 03 Jul 2025 15:58
Operator : RC/JU
Sample : Q2458-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB-06272025

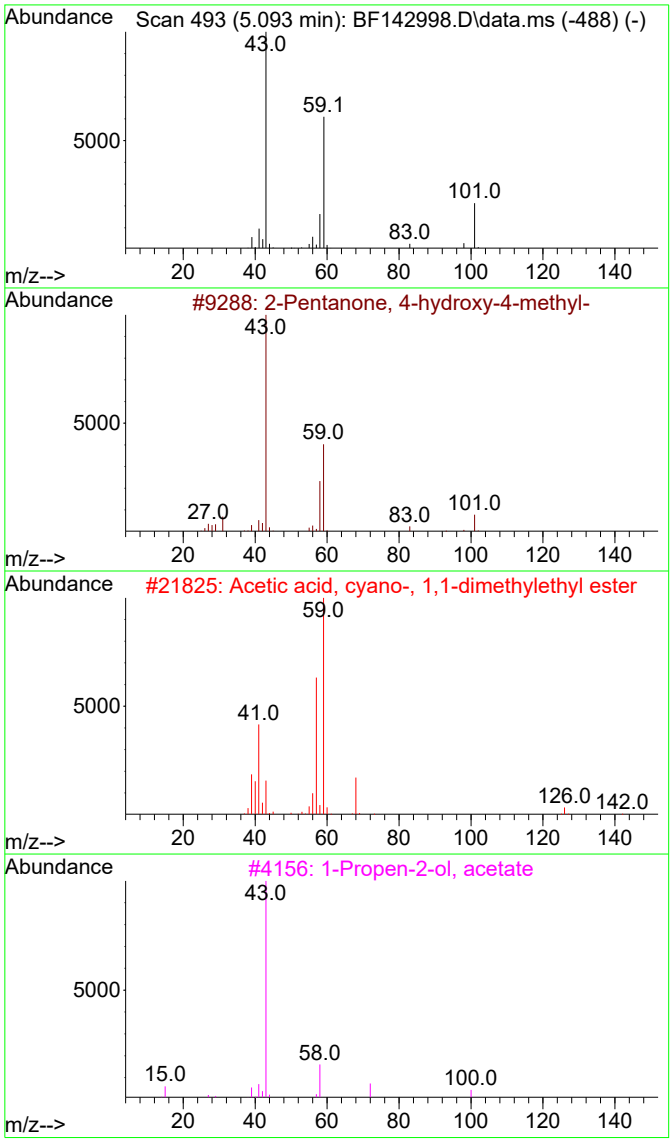
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

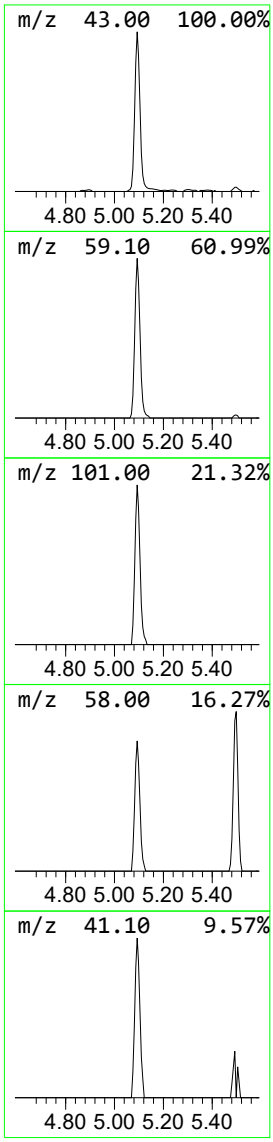
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.093	4.27 ng	88145	1,4-Dichlorobenzene-d4	6.875

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	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142998.D
Acq On : 03 Jul 2025 15:58
Operator : RC/JU
Sample : Q2458-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB-06272025

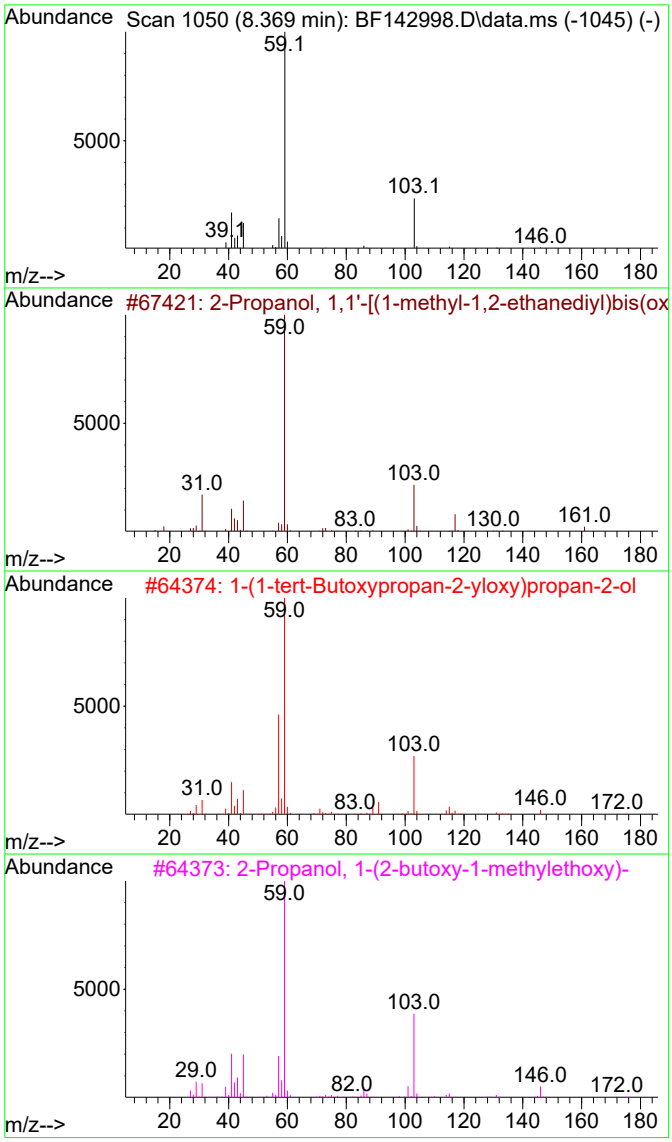
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

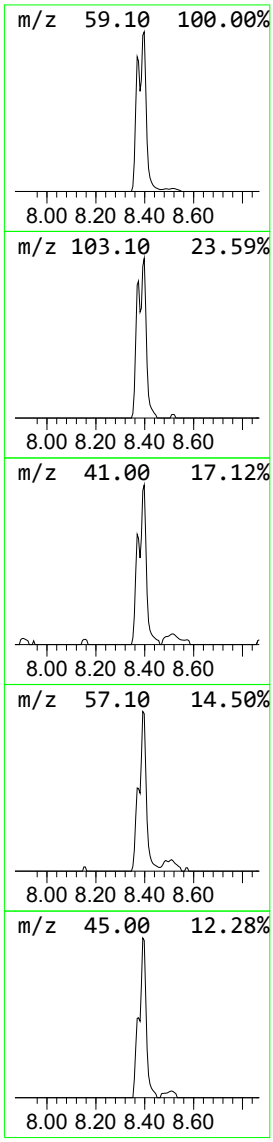
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Propanol, 1,1'-[(1-methyl... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.369	2.63 ng	70860	Naphthalene-d8	8.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1,1'-[(1-methyl-1,2-...	192	C9H20O4	001638-16-0	78
2	1-(1-tert-Butoxypropan-2-yloxy)p...	190	C10H22O3	132739-31-2	78
3	2-Propanol, 1-(2-butoxy-1-methyl...	190	C10H22O3	029911-28-2	74
4	2-Propanol, 1-[1-methyl-2-(2-pro...	174	C9H18O3	055956-25-7	74
5	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142998.D
Acq On : 03 Jul 2025 15:58
Operator : RC/JU
Sample : Q2458-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB-06272025

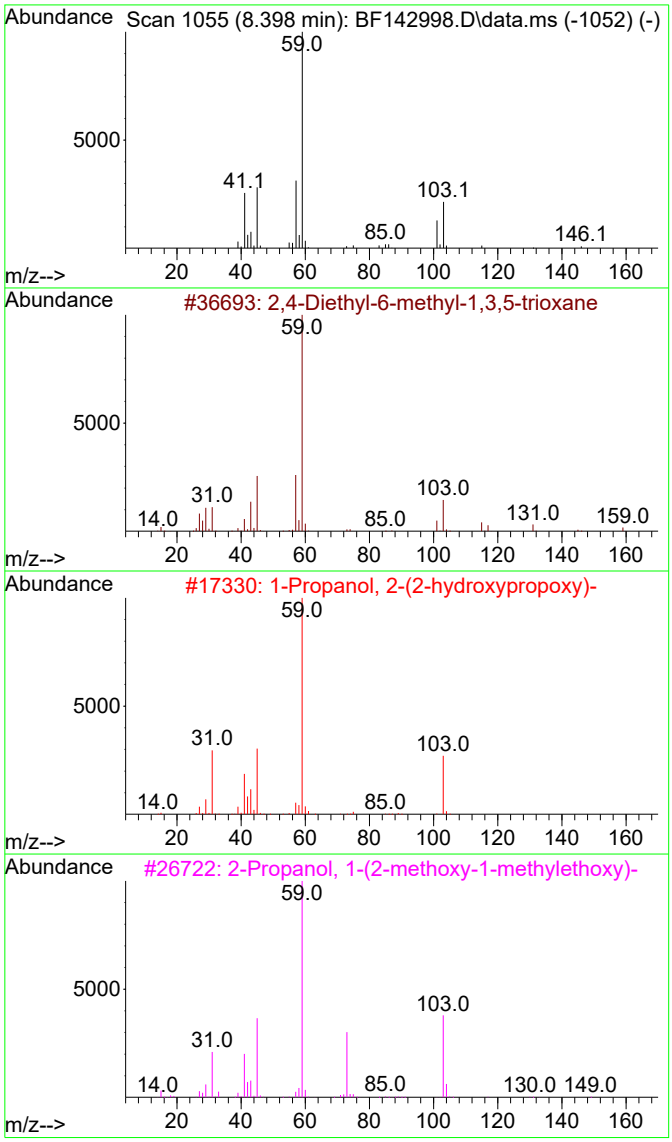
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

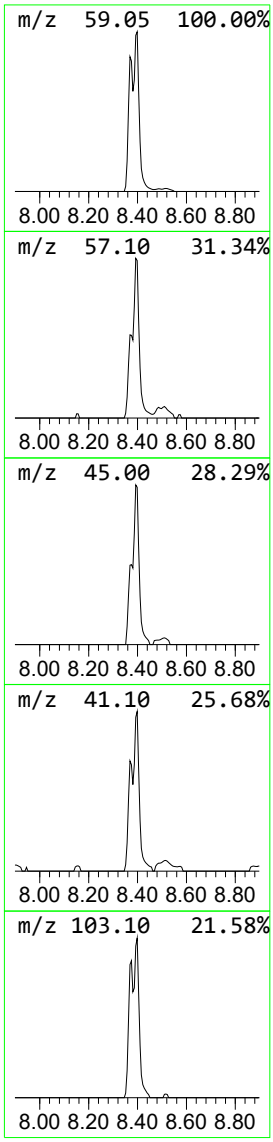
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2,4-Diethyl-6-methyl-1,3,5-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.398	3.90 ng	105054	Naphthalene-d8	8.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Diethyl-6-methyl-1,3,5-trioxane	160	C8H16O3	117888-04-7	78
2	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	72
3	2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3	020324-32-7	72
4	2-Propanol, 1-(2-butoxy-1-methyl...	190	C10H22O3	029911-28-2	64
5	Dipropylene glycol (isomer 2)	134	C6H14O3	1000506-25-4	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142998.D
Acq On : 03 Jul 2025 15:58
Operator : RC/JU
Sample : Q2458-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB-06272025

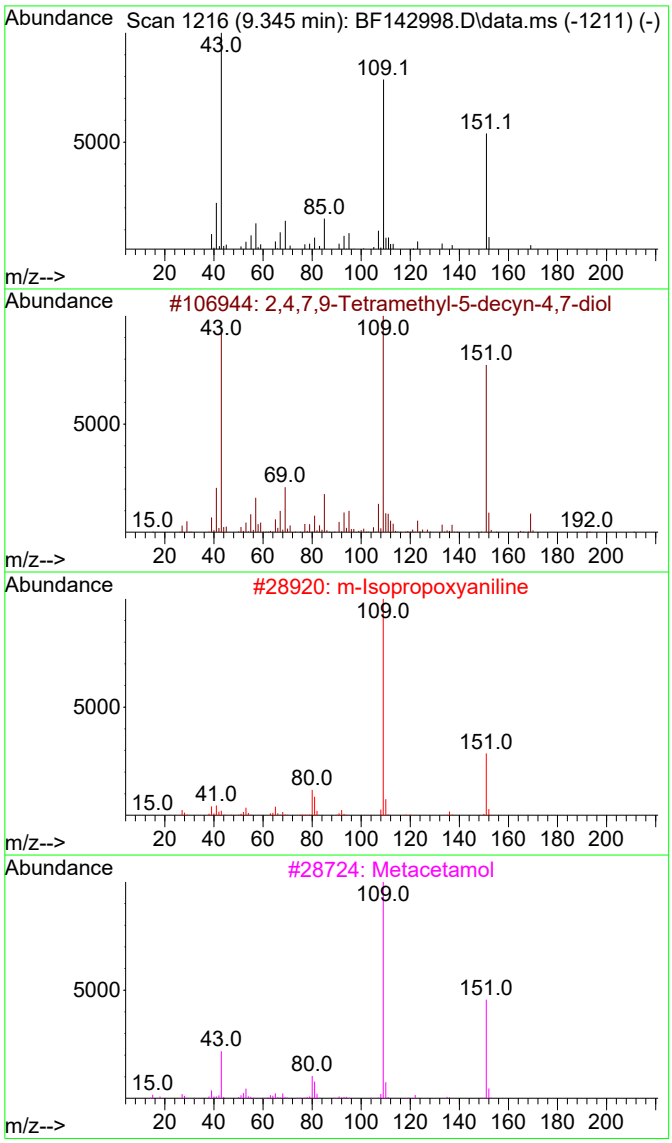
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

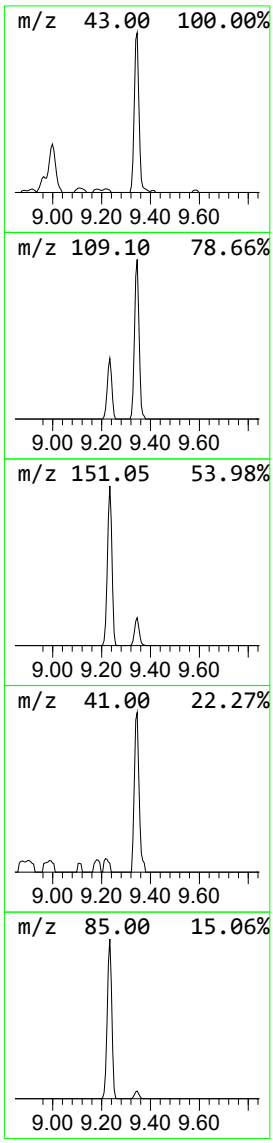
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.345	2.54 ng	78200	Acenaphthene-d10	9.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	91
2	m-Isopropoxyaniline	151	C9H13NO	041406-00-2	58
3	Metacetamol	151	C8H9NO2	000621-42-1	53
4	Butanamide, N-acetyl-N-(4-hydrox...	221	C12H15NO3	1000107-08-7	45
5	benzenamine, 3-[(tetrahydro-2H-p...	193	C11H15NO2	1010400-28-1	38





Sample Results: **BF142998.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142998.D
Acq On : 03 Jul 2025 15:58
Operator : RC/JU
Sample : Q2458-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB-06272025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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-...	5.093	4.3	ng	88145	1	6.875	412526	20.0
2-Propanol, 1,1...	8.369	2.6	ng	70860	2	8.157	538253	20.0
2,4-Diethyl-6-m...	8.398	3.9	ng	105054	2	8.157	538253	20.0
2,4,7,9-Tetrame...	9.345	2.5	ng	78200	3	9.910	615523	20.0

CALIBRATION SUMMARY

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: Alliance Contract: CAMP02

Lab Code: ACE SDG No.: Q2458

Instrument ID: BNA_F Calibration Date(s): 06/19/2025 06/19/2025

Calibration Time(s): 17:07 20:40

LAB FILE ID: RRF2.5 = BF142788.D RRF005 = BF142789.D RRF010 = BF142790.D
RRF020 = BF142791.D RRF040 = BF142792.D RRF050 = BF142793.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.238	1.230	1.230	1.149	1.263	1.201	4.3
Benzaldehyde			0.988	0.943	0.757	0.832	0.841	15.0
Phenol-d6		1.512	1.481	1.423	1.340	1.480	1.417	5.5
Phenol		1.648	1.653	1.591	1.516	1.651	1.575	5.3
bis(2-Chloroethyl)ether		1.167	1.133	1.134	1.072	1.183	1.126	3.7
2-Chlorophenol		1.362	1.303	1.292	1.245	1.366	1.296	4.1
2-Methylphenol		1.015	0.997	0.980	0.938	1.043	0.982	4.1
2,2-oxybis(1-Chloropropane)		1.975	1.869	1.815	1.723	1.879	1.809	6.1
Acetophenone		0.464	0.451	0.459	0.418	0.461	0.441	5.3
3+4-Methylphenols			1.292	1.262	1.176	1.312	1.224	6.4
n-Nitroso-di-n-propylamine	0.831	0.879	0.840	0.833	0.787	0.847	0.824	4.3
Nitrobenzene-d5		0.369	0.362	0.373	0.354	0.386	0.365	3.5
Hexachloroethane		0.533	0.521	0.507	0.499	0.539	0.511	3.9
Nitrobenzene		0.345	0.325	0.332	0.319	0.349	0.330	3.9
Isophorone		0.611	0.582	0.592	0.555	0.616	0.585	4.2
2-Nitrophenol		0.169	0.172	0.182	0.178	0.194	0.180	4.8
2,4-Dimethylphenol		0.322	0.310	0.318	0.300	0.329	0.311	4.0
bis(2-Chloroethoxy)methane		0.386	0.373	0.383	0.355	0.390	0.372	4.1
2,4-Dichlorophenol		0.291	0.280	0.290	0.273	0.298	0.282	3.8
Naphthalene		1.051	1.002	1.004	0.934	1.017	0.979	5.5
4-Chloroaniline		0.414	0.408	0.409	0.379	0.421	0.398	5.3
Hexachlorobutadiene		0.195	0.188	0.198	0.184	0.200	0.190	4.3
Caprolactam			0.073	0.075	0.072	0.081	0.075	5.8
4-Chloro-3-methylphenol		0.300	0.275	0.286	0.269	0.298	0.281	5.2
2-Methylnaphthalene		0.655	0.621	0.629	0.579	0.631	0.607	6.1
Hexachlorocyclopentadiene			0.235	0.308	0.336	0.365	0.335	17.0
2,4,6-Trichlorophenol		0.385	0.380	0.394	0.365	0.408	0.385	3.7
2-Fluorobiphenyl		1.740	1.636	1.592	1.430	1.500	1.522	9.2
2,4,5-Trichlorophenol		0.407	0.403	0.421	0.391	0.416	0.405	3.0
1,1-Biphenyl		1.701	1.616	1.637	1.505	1.609	1.580	5.3
2-Chloronaphthalene		1.300	1.202	1.208	1.129	1.209	1.186	5.5
2-Nitroaniline		0.321	0.329	0.337	0.324	0.358	0.332	3.9
Dimethylphthalate		1.372	1.334	1.330	1.228	1.335	1.295	5.2
Acenaphthylene		2.110	2.006	2.011	1.861	1.995	1.952	5.6

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: Alliance Contract: CAMP02

Lab Code: ACE SDG No.: Q2458

Instrument ID: BNA_F Calibration Date(s): 06/19/2025 06/19/2025

Calibration Time(s): 17:07 20:40

LAB FILE ID: RRF2.5 = BF142788.D RRF005 = BF142789.D RRF010 = BF142790.D
RRF020 = BF142791.D RRF040 = BF142792.D RRF050 = BF142793.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.297	0.279	0.290	0.277	0.294	0.284	3.6
3-Nitroaniline		0.311	0.311	0.316	0.302	0.338	0.313	4.5
Acenaphthene		1.247	1.199	1.241	1.142	1.228	1.191	4.4
2,4-Dinitrophenol			0.095	0.129	0.142	0.173	0.142	19.6
4-Nitrophenol			0.189	0.218	0.208	0.238	0.214	8.3
Dibenzofuran		1.844	1.772	1.763	1.626	1.752	1.708	6.1
2,4-Dinitrotoluene		0.373	0.378	0.397	0.367	0.407	0.378	5.9
Diethylphthalate		1.328	1.302	1.319	1.211	1.318	1.269	5.5
4-Chlorophenyl-phenylether		0.713	0.656	0.669	0.599	0.640	0.636	7.6
Fluorene		1.464	1.412	1.395	1.260	1.362	1.334	7.6
4-Nitroaniline		0.279	0.276	0.297	0.272	0.316	0.286	6.5
4,6-Dinitro-2-methylphenol			0.099	0.119	0.119	0.134	0.121	10.0
n-Nitrosodiphenylamine		0.736	0.686	0.710	0.670	0.717	0.693	4.1
2,4,6-Tribromophenol		0.208	0.207	0.214	0.200	0.219	0.206	5.0
4-Bromophenyl-phenylether		0.231	0.221	0.235	0.218	0.236	0.228	3.0
Hexachlorobenzene		0.263	0.248	0.257	0.241	0.262	0.253	3.3
Atrazine		0.176	0.172	0.180	0.174	0.195	0.179	4.5
Pentachlorophenol			0.102	0.119	0.125	0.142	0.126	11.3
Phenanthrene		1.183	1.113	1.115	1.031	1.122	1.083	6.2
Anthracene		1.226	1.123	1.149	1.064	1.140	1.111	6.3
Carbazole		1.040	0.986	0.999	0.900	1.002	0.959	6.7
Di-n-butylphthalate		0.997	1.006	1.045	0.946	1.073	0.999	4.9
Fluoranthene		1.136	1.088	1.090	0.954	1.059	1.028	8.4
Pyrene		2.110	1.940	1.968	1.742	2.030	1.875	11.4
Terphenyl-d14		1.691	1.556	1.533	1.327	1.535	1.447	13.3
Butylbenzylphthalate		0.478	0.470	0.538	0.547	0.613	0.544	10.0
3,3-Dichlorobenzidine			0.398	0.440	0.429	0.476	0.438	5.7
Benzo(a)anthracene		1.392	1.358	1.366	1.265	1.403	1.349	4.0
Chrysene		1.243	1.191	1.208	1.164	1.295	1.204	4.2
Bis(2-ethylhexyl)phthalate		0.650	0.675	0.767	0.803	0.861	0.782	11.5
Di-n-octyl phthalate			1.207	1.352	1.463	1.610	1.475	11.5
Benzo(b)fluoranthene		1.164	1.220	1.226	1.072	1.152	1.157	5.6
Benzo(k)fluoranthene		1.206	1.004	1.035	1.037	1.193	1.083	7.5
Benzo(a)pyrene		1.142	1.065	1.124	1.069	1.201	1.118	4.4
Indeno(1,2,3-cd)pyrene		1.528	1.488	1.545	1.474	1.648	1.523	4.4

All other compounds must meet a minimum RRF of 0.010.

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG No.: Q2458

Instrument ID: BNA_F Calibration Date(s): 06/19/2025 06/19/2025

Calibration Time(s): 17:07 20:40

LAB FILE ID: RRF2.5 = BF142788.D RRF005 = BF142789.D RRF010 = BF142790.D
RRF020 = BF142791.D RRF040 = BF142792.D RRF050 = BF142793.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo(a,h)anthracene		1.249	1.214	1.293	1.180	1.337	1.238	5.1
Benzo(g,h,i)perylene		1.239	1.198	1.266	1.188	1.332	1.234	4.7
1,2,4,5-Tetrachlorobenzene		0.626	0.609	0.602	0.557	0.598	0.590	4.3
1,4-Dioxane		0.479	0.499	0.471	0.461	0.509	0.480	3.6
2,3,4,6-Tetrachlorophenol		0.327	0.327	0.339	0.312	0.345	0.326	4.4

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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jun 20 05:06:14 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF142788.D 5 =BF142789.D 10 =BF142790.D 20 =BF142791.D 40 =BF142792.D 50 =BF142793.D 60 =BF142794.D 80 =BF1427
95.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.479	0.499	0.471	0.461	0.509	0.479	0.467	0.480	3.60
3)		Pyridine		1.190	1.195	1.190	1.164	1.303	1.209	1.181	1.205	3.78
4)		n-Nitrosodimet...			0.610	0.617	0.596	0.668	0.632	0.614	0.623	3.98
5)	S	2-Fluorophenol		2.475	2.460	2.460	2.299	2.525	2.342	2.256	2.403	4.26
6)		Aniline		1.951	1.944	1.891	1.818	1.982	1.869	1.746	1.886	4.41
7)	S	Phenol-d6		3.024	2.962	2.846	2.681	2.959	2.760	2.610	2.834	5.53
8)		2-Chlorophenol		1.362	1.303	1.292	1.245	1.366	1.272	1.231	1.296	4.08
9)		Benzaldehyde			0.988	0.943	0.757	0.832	0.684		0.841	15.02
10)	C	Phenol		1.648	1.653	1.591	1.516	1.651	1.530	1.437	1.575	5.31
11)		bis(2-Chloroet...		1.167	1.133	1.134	1.072	1.183	1.116	1.077	1.126	3.71
12)		1,3-Dichlorobe...		1.536	1.499	1.470	1.377	1.500	1.414	1.348	1.449	4.85
13)	C	1,4-Dichlorobe...		1.563	1.496	1.472	1.409	1.523	1.425	1.347	1.462	5.04
14)		1,2-Dichlorobe...		1.458	1.422	1.409	1.331	1.451	1.353	1.284	1.387	4.72
15)		Benzyl Alcohol			1.023	1.025	0.976	1.106	1.032	0.985	1.025	4.51
16)		2,2'-oxybis(1-...		1.975	1.869	1.815	1.723	1.879	1.758	1.644	1.809	6.12
17)		2-Methylphenol		1.015	0.997	0.980	0.938	1.043	0.972	0.929	0.982	4.13
18)		Hexachloroethane		0.533	0.521	0.507	0.499	0.539	0.498	0.484	0.511	3.89
19)	P	n-Nitroso-di-n...	0.831	0.879	0.840	0.833	0.787	0.847	0.812	0.766	0.824	4.30
20)		3+4-Methylphenols			1.292	1.262	1.176	1.312	1.197	1.108	1.224	6.36
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.464	0.451	0.459	0.418	0.461	0.428	0.406	0.441	5.28
23)	S	Nitrobenzene-d5		0.738	0.724	0.747	0.708	0.771	0.724	0.694	0.729	3.48
24)		Nitrobenzene		0.345	0.325	0.332	0.319	0.349	0.326	0.314	0.330	3.88
25)		Isophorone		0.611	0.582	0.592	0.555	0.616	0.584	0.554	0.585	4.17
26)	C	2-Nitrophenol		0.169	0.172	0.182	0.178	0.194	0.186	0.176	0.180	4.85
27)		2,4-Dimethylph...		0.322	0.310	0.318	0.300	0.329	0.307	0.294	0.311	3.99
28)		bis(2-Chloroet...		0.386	0.373	0.383	0.355	0.390	0.366	0.351	0.372	4.09
29)	C	2,4-Dichloroph...		0.291	0.280	0.290	0.273	0.298	0.277	0.268	0.282	3.77
30)		1,2,4-Trichlor...		0.324	0.316	0.318	0.299	0.324	0.301	0.292	0.310	4.26
31)		Naphthalene		1.051	1.002	1.004	0.934	1.017	0.943	0.902	0.979	5.46
32)		Benzoic acid			0.118	0.147	0.157	0.181	0.180	0.169	0.159	15.08
33)		4-Chloroaniline		0.414	0.408	0.409	0.379	0.421	0.393	0.363	0.398	5.26
34)	C	Hexachlorobuta...		0.195	0.188	0.198	0.184	0.200	0.184	0.179	0.190	4.30
35)		Caprolactam			0.073	0.075	0.072	0.081	0.078	0.069	0.075	5.84
36)	C	4-Chloro-3-met...		0.300	0.275	0.286	0.269	0.298	0.278	0.260	0.281	5.24
37)		2-Methylnaphth...		0.655	0.621	0.629	0.579	0.631	0.583	0.550	0.607	6.12
38)		1-Methylnaphth...		0.684	0.645	0.650	0.598	0.654	0.604	0.563	0.628	6.56

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061925.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.626	0.609	0.602	0.557	0.598	0.577	0.563	0.590	4.27
41)	P	Hexachlorocycl...		0.235	0.308	0.336	0.365	0.376	0.389	0.335	17.02
42)	S	2,4,6-Tribromo...	0.415	0.414	0.428	0.400	0.438	0.411	0.374	0.412	4.96
43)	C	2,4,6-Trichlor...	0.385	0.380	0.394	0.365	0.408	0.389	0.371	0.385	3.71
44)		2,4,5-Trichlor...	0.407	0.403	0.421	0.391	0.416	0.407	0.388	0.405	2.95
45)	S	2-Fluorobiphenyl	3.480	3.272	3.184	2.861	2.999	2.816	2.702	3.045	9.15
46)		1,1'-Biphenyl	1.701	1.616	1.637	1.505	1.609	1.525	1.466	1.580	5.27
47)		2-Chloronaphth...	1.300	1.202	1.208	1.129	1.209	1.145	1.106	1.186	5.50
48)		2-Nitroaniline	0.321	0.329	0.337	0.324	0.358	0.337	0.320	0.332	3.93
49)		Acenaphthylene	2.110	2.006	2.011	1.861	1.995	1.891	1.787	1.952	5.64
50)		Dimethylphthalate	1.372	1.334	1.330	1.228	1.335	1.277	1.186	1.295	5.17
51)		2,6-Dinitrotol...	0.297	0.279	0.290	0.277	0.294	0.284	0.268	0.284	3.57
52)	C	Acenaphthene	1.247	1.199	1.241	1.142	1.228	1.172	1.107	1.191	4.44
53)		3-Nitroaniline	0.311	0.311	0.316	0.302	0.338	0.320	0.292	0.313	4.52
54)	P	2,4-Dinitrophenol		0.095	0.129	0.142	0.173	0.163	0.152	0.142	19.61
55)		Dibenzofuran	1.844	1.772	1.763	1.626	1.752	1.660	1.537	1.708	6.13
56)	P	4-Nitrophenol		0.189	0.218	0.208	0.238	0.229	0.203	0.214	8.25
57)		2,4-Dinitrotol...	0.373	0.378	0.397	0.367	0.407	0.383	0.338	0.378	5.90
58)		Fluorene	1.464	1.412	1.395	1.260	1.362	1.260	1.183	1.334	7.58
59)		2,3,4,6-Tetrac...	0.327	0.327	0.339	0.312	0.345	0.331	0.304	0.326	4.43
60)		Diethylphthalate	1.328	1.302	1.319	1.211	1.318	1.266	1.141	1.269	5.50
61)		4-Chlorophenyl...	0.713	0.656	0.669	0.599	0.640	0.609	0.568	0.636	7.64
62)		4-Nitroaniline	0.279	0.276	0.297	0.272	0.316	0.300	0.264	0.286	6.48
63)		Azobenzene	1.215	1.149	1.167	1.081	1.176	1.122	1.032	1.134	5.47
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.099	0.119	0.119	0.134	0.130	0.125	0.121	10.04
66)	c	n-Nitrosodiphe...	0.736	0.686	0.710	0.670	0.717	0.671	0.662	0.693	4.07
67)		4-Bromophenyl-...	0.231	0.221	0.235	0.218	0.236	0.228	0.225	0.228	3.03
68)		Hexachlorobenzene	0.263	0.248	0.257	0.241	0.262	0.252	0.247	0.253	3.29
69)		Atrazine	0.176	0.172	0.180	0.174	0.195	0.183	0.174	0.179	4.48
70)	C	Pentachlorophenol		0.102	0.119	0.125	0.142	0.135	0.133	0.126	11.30
71)		Phenanthrene	1.183	1.113	1.115	1.031	1.122	1.028	0.992	1.083	6.24
72)		Anthracene	1.226	1.123	1.149	1.064	1.140	1.065	1.011	1.111	6.35
73)		Carbazole	1.040	0.986	0.999	0.900	1.002	0.920	0.866	0.959	6.67
74)		Di-n-butylphth...	0.997	1.006	1.045	0.946	1.073	0.989	0.936	0.999	4.92
75)	C	Fluoranthene	1.136	1.088	1.090	0.954	1.059	0.972	0.899	1.028	8.44
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.745	0.860	0.773	0.824	0.719	0.587	0.751	12.71
78)		Pyrene	2.110	1.940	1.968	1.742	2.030	1.863	1.468	1.875	11.43
79)	S	Terphenyl-d14	3.383	3.111	3.066	2.655	3.070	2.772	2.208	2.895	13.30
80)		Butylbenzylpht...	0.478	0.470	0.538	0.547	0.613	0.597	0.563	0.544	10.01
81)		Benzo(a)anthra...	1.392	1.358	1.366	1.265	1.403	1.376	1.284	1.349	3.98
82)		3,3'-Dichlorob...		0.398	0.440	0.429	0.476	0.445	0.438	0.438	5.73
83)		Chrysene	1.243	1.191	1.208	1.164	1.295	1.177	1.150	1.204	4.17
84)		Bis(2-ethylhex...	0.650	0.675	0.767	0.803	0.861	0.843	0.878	0.782	11.52
85)	c	Di-n-octyl pht...		1.207	1.352	1.463	1.610	1.569	1.651	1.475	11.54

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061925.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.528	1.488	1.545	1.474	1.648	1.539	1.442	1.523	4.38
88)		Benzo(b)fluora...	1.164	1.220	1.226	1.072	1.152	1.197	1.070	1.157	5.61
89)		Benzo(k)fluora...	1.206	1.004	1.035	1.037	1.193	1.038	1.068	1.083	7.55
90)	C	Benzo(a)pyrene	1.142	1.065	1.124	1.069	1.201	1.141	1.084	1.118	4.37
91)		Dibenzo(a,h)an...	1.249	1.214	1.293	1.180	1.337	1.240	1.152	1.238	5.13
92)		Benzo(g,h,i)pe...	1.239	1.198	1.266	1.188	1.332	1.255	1.161	1.234	4.66

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142788.D
Acq On : 19 Jun 2025 17:07
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jun 20 04:37:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	77977	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	295295	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	153580	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	258429	20.000	ng	0.00
76) Chrysene-d12	14.051	240	149767	20.000	ng	0.00
86) Perylene-d12	15.545	264	154736	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...	7.281	70	8100	2.392	ng	97

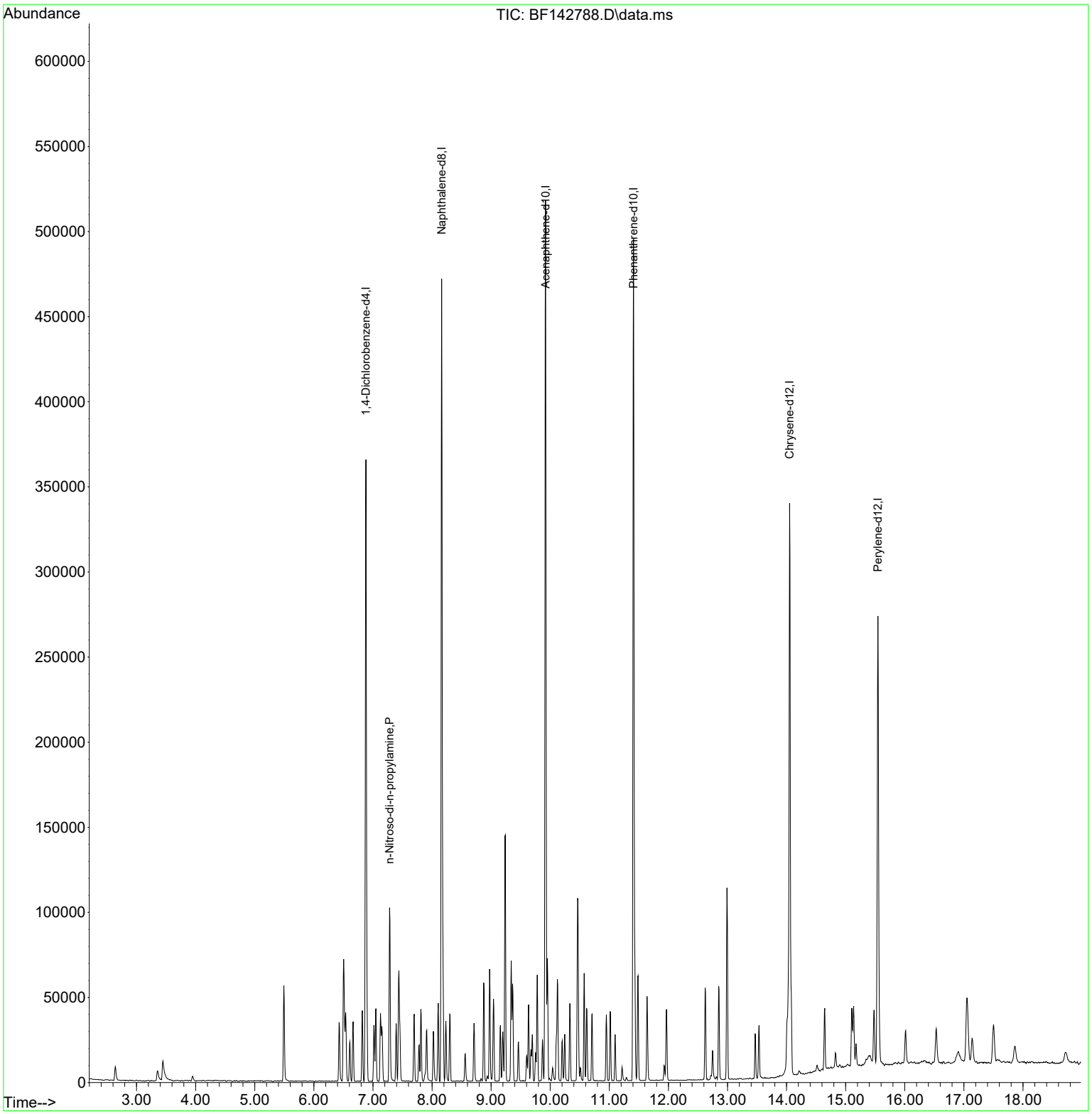
(#) = qualifier out of range (m) = manual integration (+) = signals summed

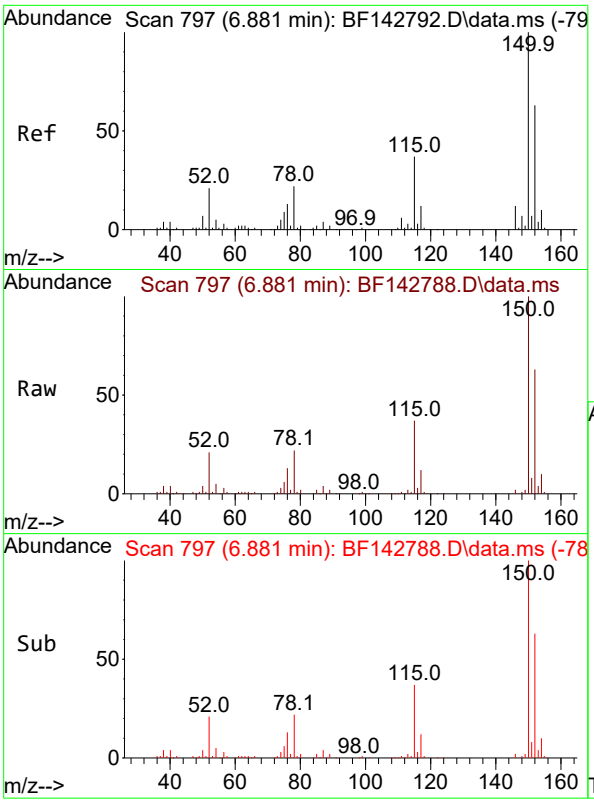
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142788.D
Acq On : 19 Jun 2025 17:07
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jun 20 04:37:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



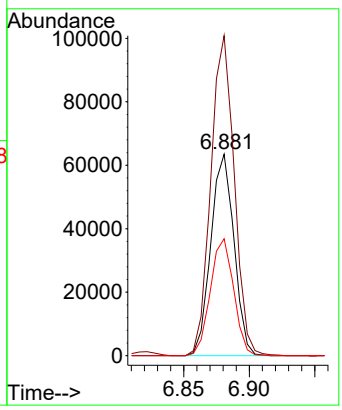


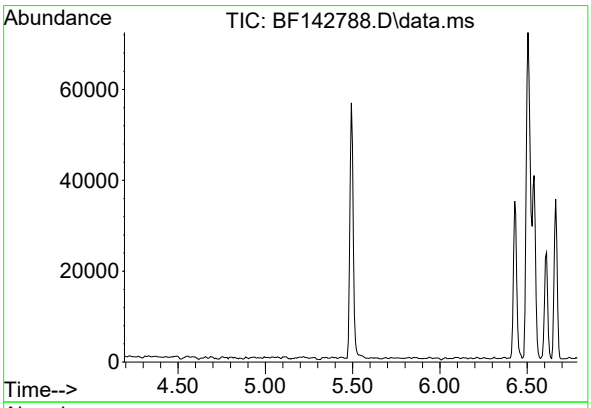
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 77977

Ion	Ratio	Lower	Upper
152	100		
150	158.8	127.2	190.8
115	58.1	46.6	69.8



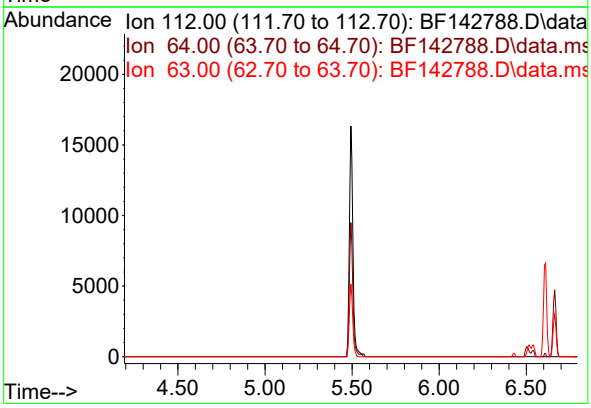


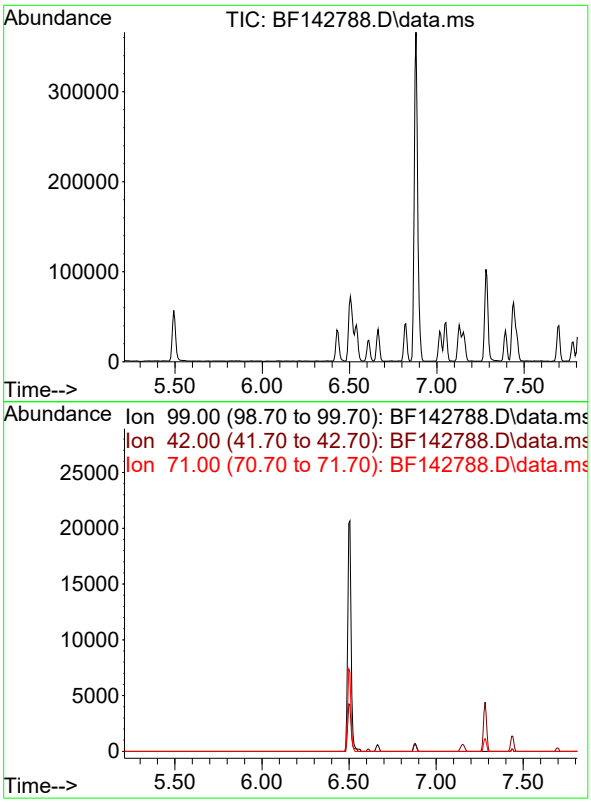
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.49 min

Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	60.2
63	32.1





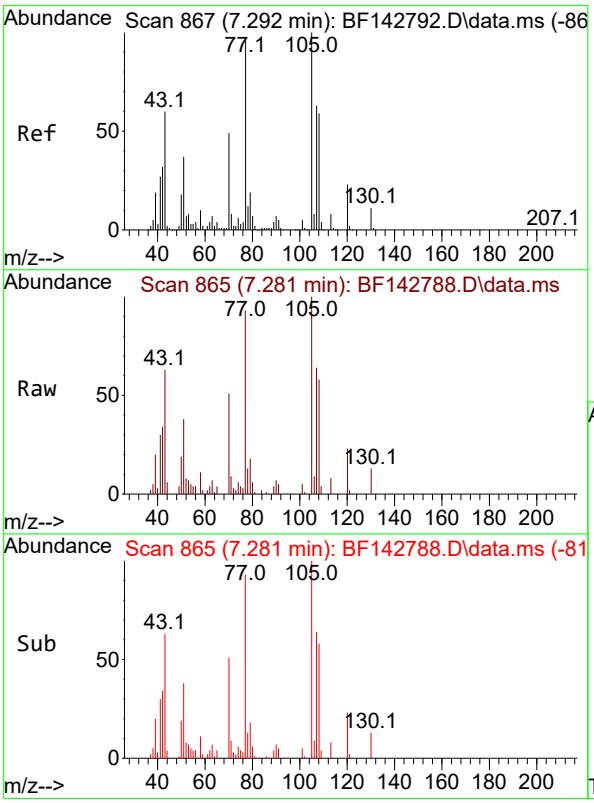
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.51 min

Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

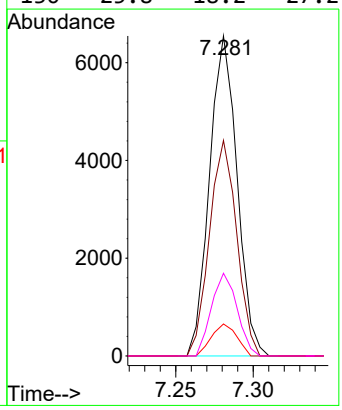
Sig	Exp Ratio
99	100
42	19.9
71	34.8

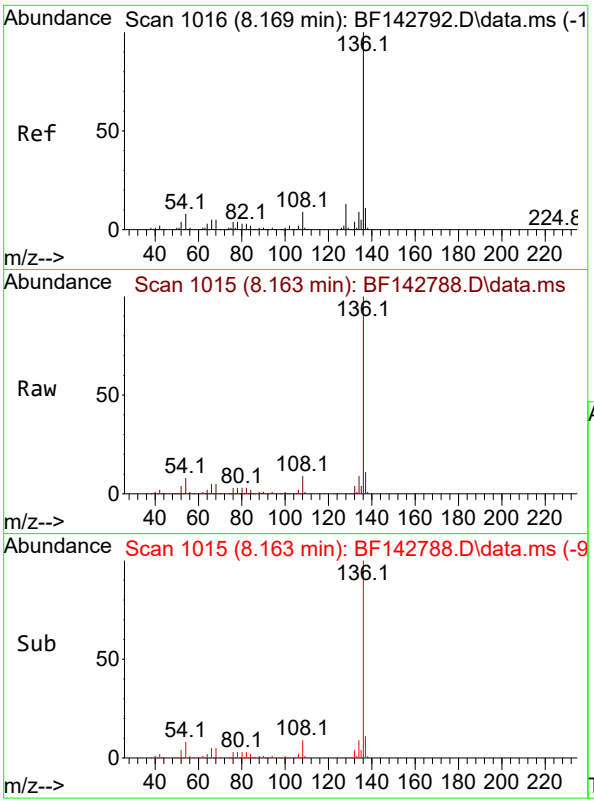


#19
n-Nitroso-di-n-propylamine
Concen: 2.392 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.012 min
Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

Tgt Ion: 70 Resp: 8100

Ion	Ratio	Lower	Upper
70	100		
42	67.3	52.1	78.1
101	10.0	8.2	12.2
130	25.8	18.2	27.2



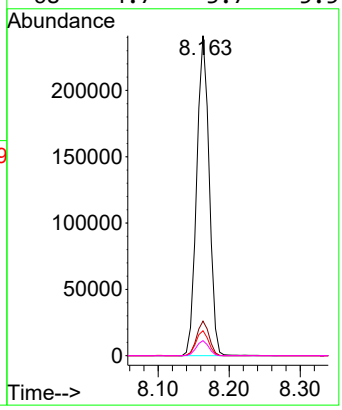


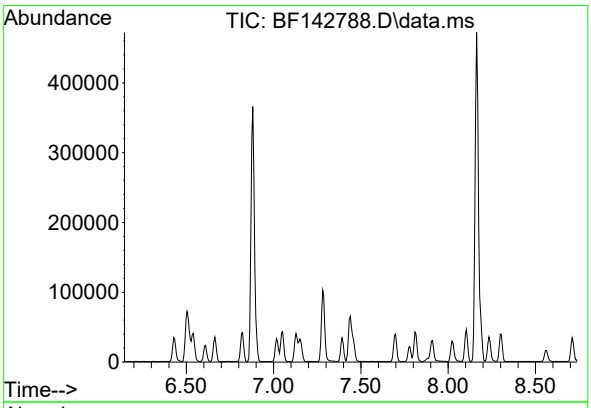
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 295295

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	7.8	6.3	9.5
68	4.7	3.7	5.5



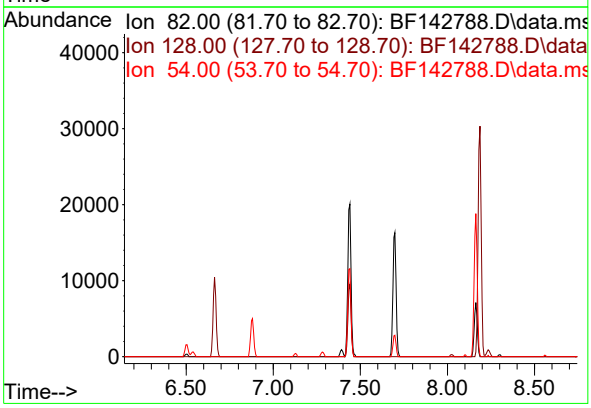


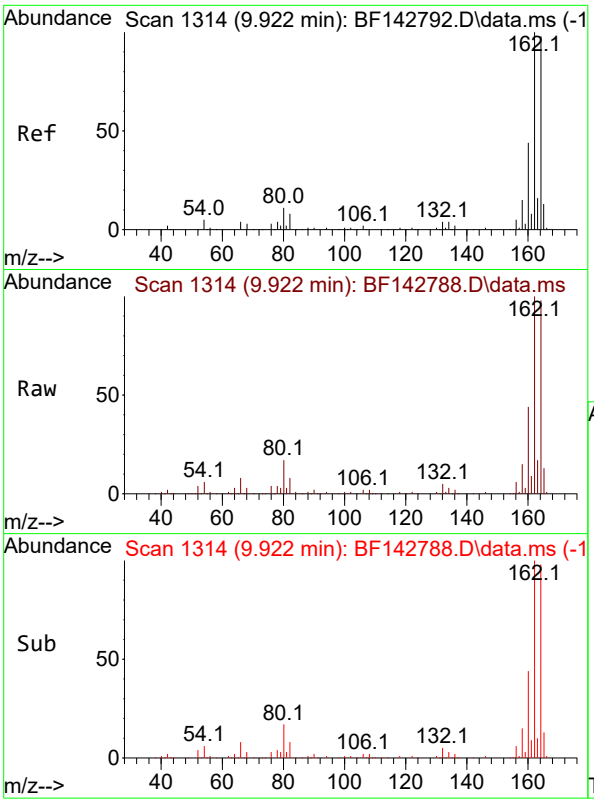
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.45 min

Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	47.1
54	57.1



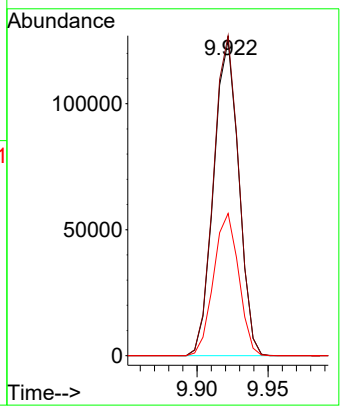


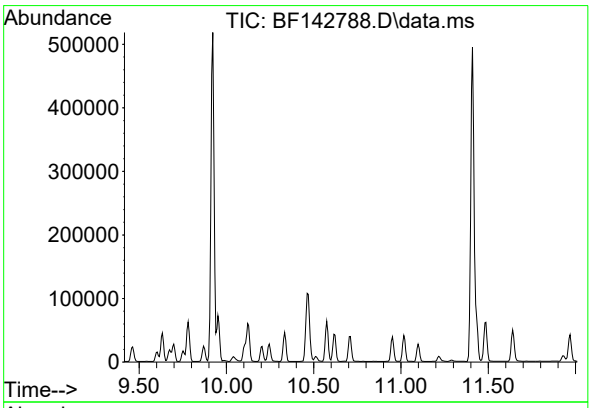
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 153580

Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.8	122.8
160	45.1	36.0	54.0



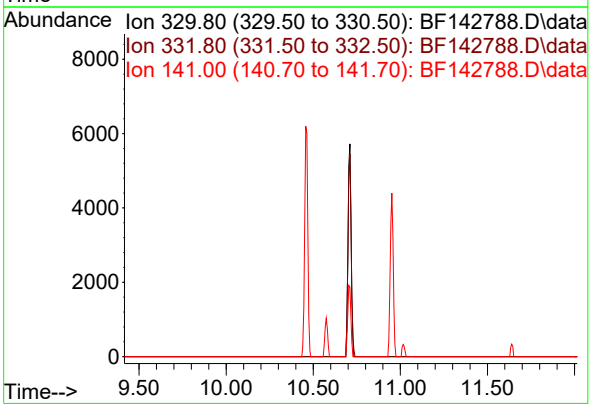


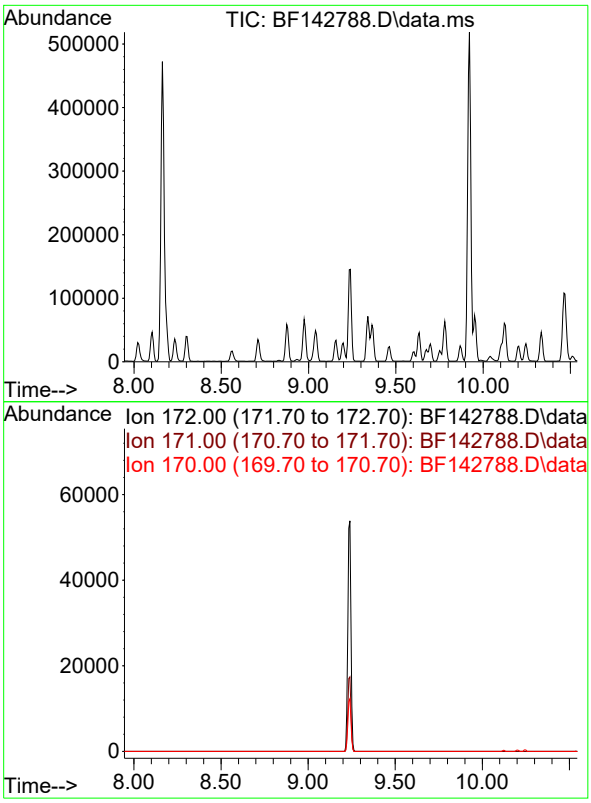
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.72 min

Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	93.8
141	31.6





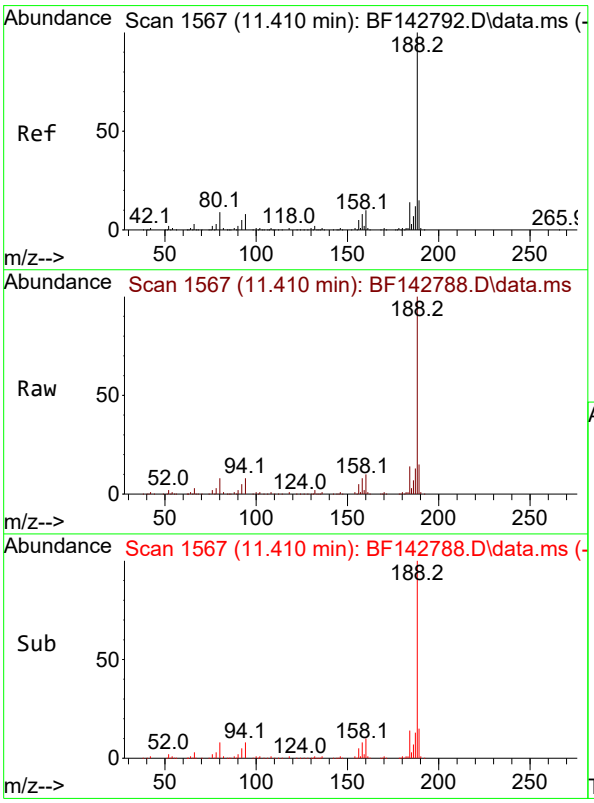
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.25 min

Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

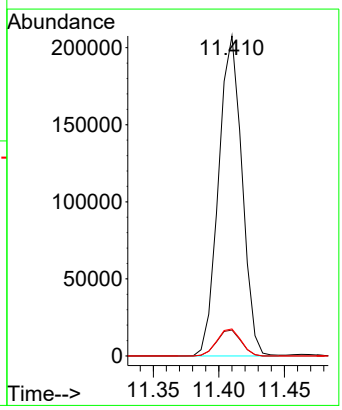
Sig	Exp Ratio
172	100
171	35.3
170	23.1

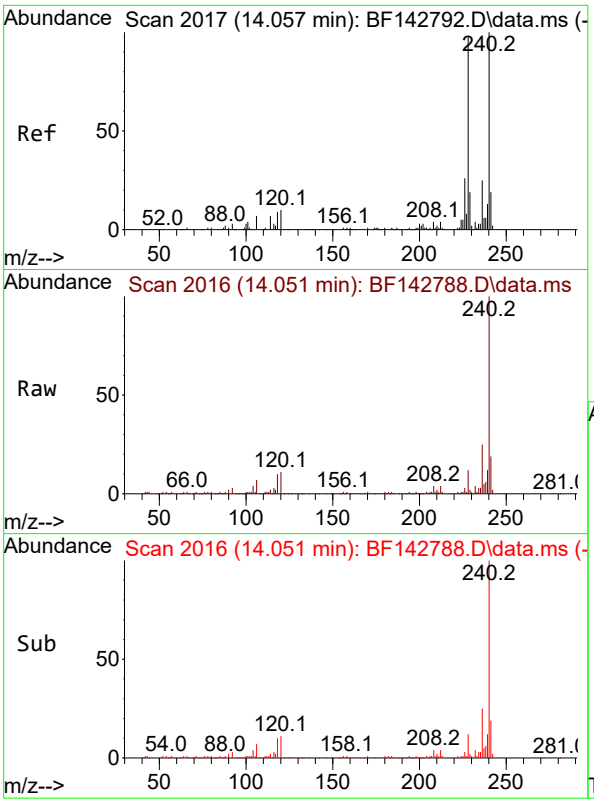


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

Tgt Ion:188 Resp: 258429

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.7	10.1
80	8.5	6.9	10.3



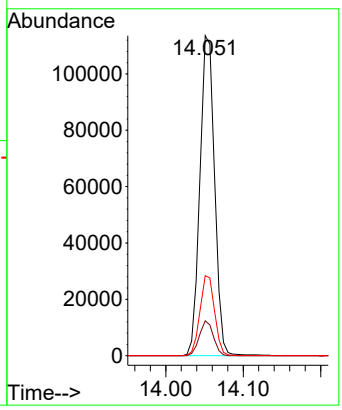


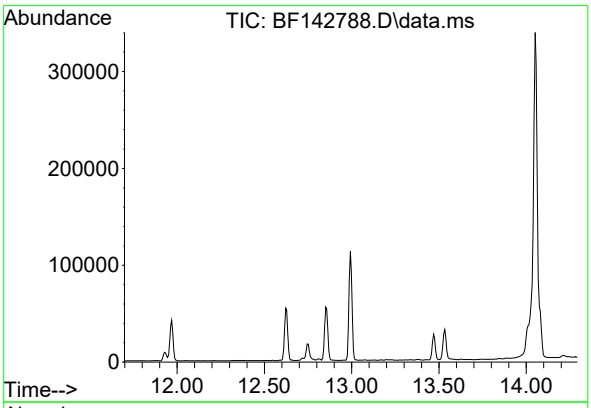
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 149767

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.2	12.2
236	25.0	19.8	29.8



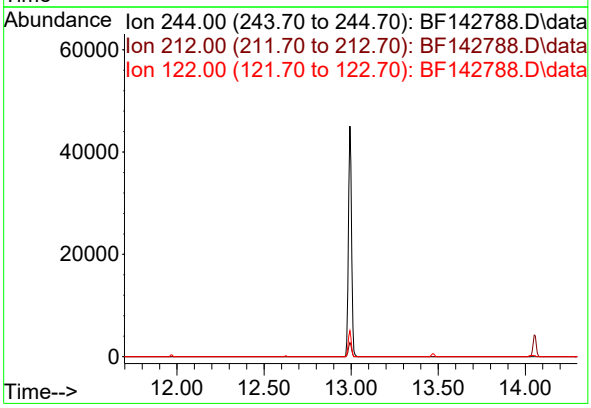


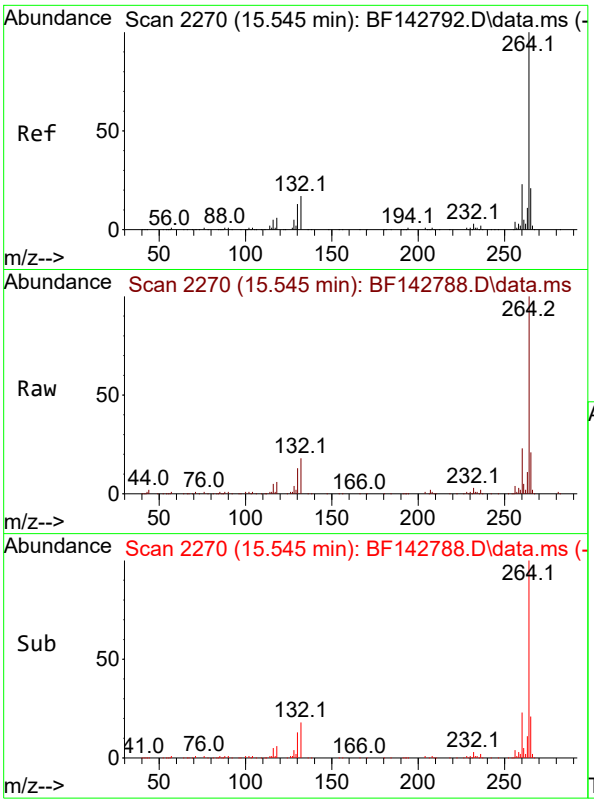
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.00 min

Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.7
122	10.2



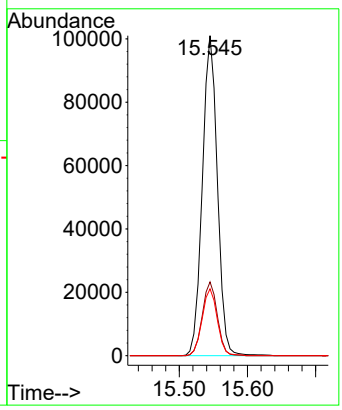


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 154736

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.1	27.1
265	20.9	16.6	25.0



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142789.D
Acq On : 19 Jun 2025 17:38
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jun 20 04:37:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	80144	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	305306	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	162729	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	277233	20.000	ng	0.00
76) Chrysene-d12	14.051	240	151689	20.000	ng	0.00
86) Perylene-d12	15.545	264	132284	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	49599	10.555	ng	0.00
7) Phenol-d6	6.498	99	60590	10.981	ng	-0.01
23) Nitrobenzene-d5	7.439	82	56291	10.106	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	16892	9.551	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	141565	11.573	ng	0.00
79) Terphenyl-d14	12.992	244	128289	11.771	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.652	88	9589	5.139	ng	95
3) Pyridine	3.434	79	23835	5.102	ng	98
6) Aniline	6.540	93	39088	5.286	ng	97
8) 2-Chlorophenol	6.663	128	27282	5.332	ng	96
10) Phenol	6.516	94	33027	5.369	ng	94
11) bis(2-Chloroethyl)ether	6.610	93	23378	5.122	ng	99
12) 1,3-Dichlorobenzene	6.822	146	30770	5.281	ng	99
13) 1,4-Dichlorobenzene	6.898	146	31311	5.302	ng	99
14) 1,2-Dichlorobenzene	7.051	146	29215	5.175	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	39577	5.503	ng	99
17) 2-Methylphenol	7.128	107	20336	5.199	ng	99
18) Hexachloroethane	7.392	117	10670	5.054	ng	98
19) n-Nitroso-di-n-propyla...	7.281	70	17612	5.061	ng	98
22) Acetophenone	7.281	105	35396	5.240	ng	95
24) Nitrobenzene	7.457	77	26353	5.324	ng	98
25) Isophorone	7.698	82	46673	4.997	ng	99
26) 2-Nitrophenol	7.781	139	12914	4.682	ng	99
27) 2,4-Dimethylphenol	7.810	122	24614	5.242	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	29467	5.068	ng	99
29) 2,4-Dichlorophenol	8.022	162	22222	5.134	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	24724	5.171	ng	98
31) Naphthalene	8.187	128	80247	5.344	ng	99
33) 4-Chloroaniline	8.234	127	31626	5.256	ng	98
34) Hexachlorobutadiene	8.304	225	14900	4.918	ng	97
36) 4-Chloro-3-methylphenol	8.710	107	22861	5.113	ng	98
37) 2-Methylnaphthalene	8.875	142	50024	5.281	ng	99
38) 1-Methylnaphthalene	8.975	142	52193	5.307	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	25456	5.419	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	15667	5.154	ng	100
44) 2,4,5-Trichlorophenol	9.192	196	16563	5.045	ng	97
46) 1,1'-Biphenyl	9.339	154	69218	5.478	ng	99
47) 2-Chloronaphthalene	9.363	162	52868	5.670	ng	98
48) 2-Nitroaniline	9.457	65	13076	4.937	ng	96
49) Acenaphthylene	9.781	152	85856	5.477	ng	99
50) Dimethylphthalate	9.633	163	55804	5.170	ng	99
51) 2,6-Dinitrotoluene	9.698	165	12080	5.163	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142789.D
Acq On : 19 Jun 2025 17:38
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jun 20 04:37:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	9.951	154	50726	5.230	ng		97
53) 3-Nitroaniline	9.869	138	12667	4.984	ng		99
55) Dibenzofuran	10.122	168	74998	5.420	ng		99
57) 2,4-Dinitrotoluene	10.104	165	15173	4.904	ng		96
58) Fluorene	10.469	166	59558	5.453	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	13285	4.827	ng	#	97
60) Diethylphthalate	10.333	149	54038	5.040	ng		99
61) 4-Chlorophenyl-phenyle...	10.457	204	29011	5.469	ng		98
62) 4-Nitroaniline	10.475	138	11342	4.971	ng		97
63) Azobenzene	10.616	77	49436	5.276	ng		99
66) n-Nitrosodiphenylamine	10.575	169	51021	5.356	ng		99
67) 4-Bromophenyl-phenylether	10.951	248	15996	4.927	ng		99
68) Hexachlorobenzene	11.016	284	18237	5.059	ng		97
69) Atrazine	11.098	200	12221	4.832	ng		98
71) Phenanthrene	11.433	178	81962	5.522	ng		99
72) Anthracene	11.486	178	84944	5.529	ng		99
73) Carbazole	11.639	167	72067	5.601	ng		100
74) Di-n-butylphthalate	11.969	149	69083	4.850	ng		99
75) Fluoranthene	12.622	202	78721	5.582	ng		99
78) Pyrene	12.851	202	80026	5.739	ng		100
80) Butylbenzylphthalate	13.469	149	18113	4.383	ng		96
81) Benzo(a)anthracene	14.045	228	52785	5.300	ng		100
83) Chrysene	14.080	228	47142	5.084	ng		98
84) Bis(2-ethylhexyl)phtha...	14.027	149	24641	4.002	ng		97
87) Indeno(1,2,3-cd)pyrene	17.045	276	50546	5.168	ng		99
88) Benzo(b)fluoranthene	15.104	252	38493	4.996	ng		99
89) Benzo(k)fluoranthene	15.133	252	39874	5.302	ng		97
90) Benzo(a)pyrene	15.480	252	37779	5.124	ng		99
91) Dibenzo(a,h)anthracene	17.062	278	41301	5.194	ng		100
92) Benzo(g,h,i)perylene	17.504	276	40975	5.165	ng		99

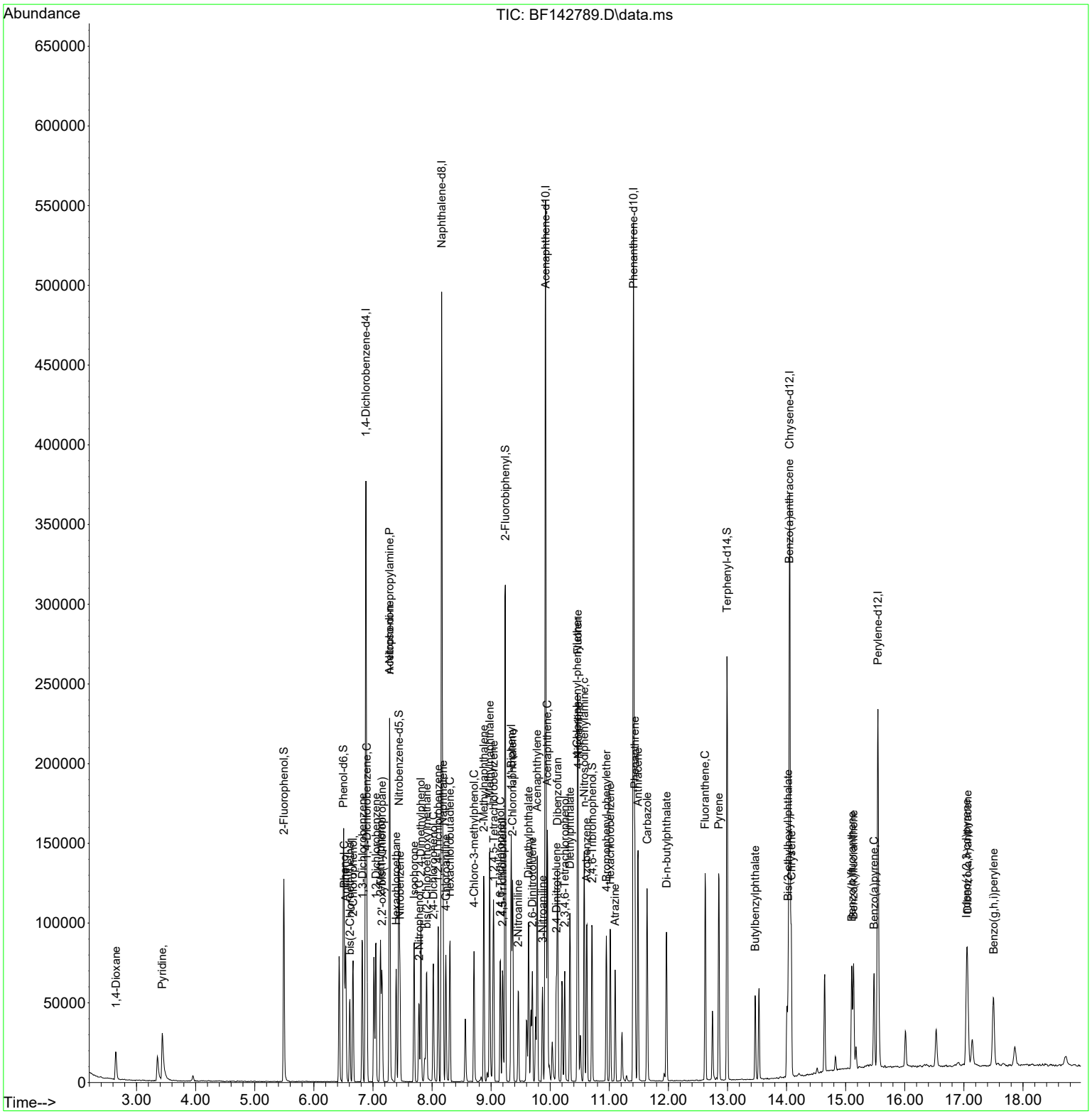
(#) = qualifier out of range (m) = manual integration (+) = signals summed

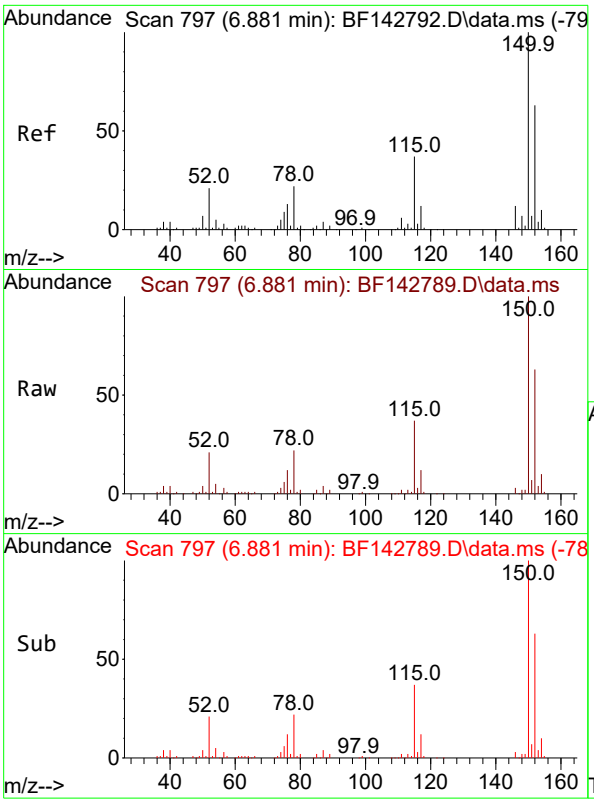
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142789.D
Acq On : 19 Jun 2025 17:38
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jun 20 04:37:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



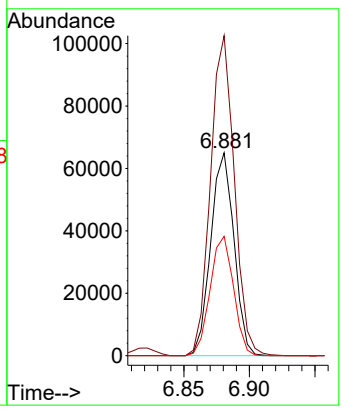


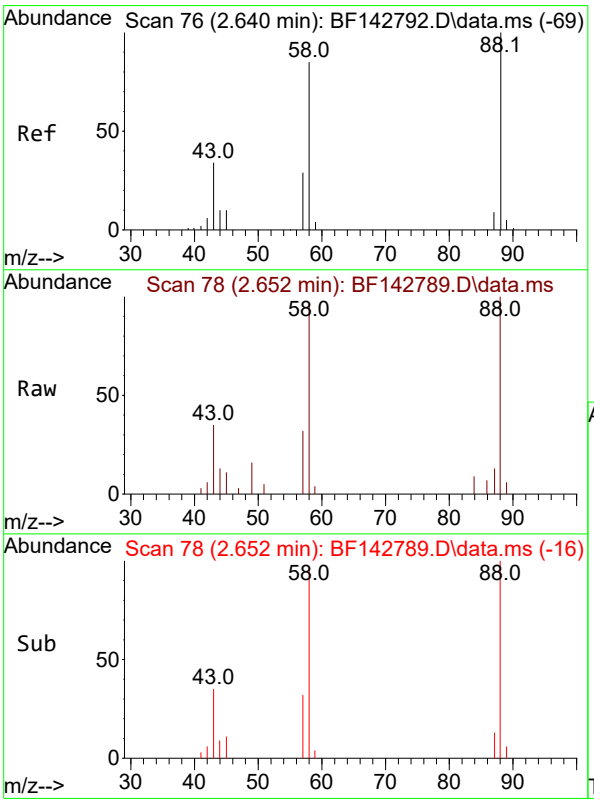
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 80144

Ion	Ratio	Lower	Upper
152	100		
150	157.7	127.2	190.8
115	58.8	46.6	69.8

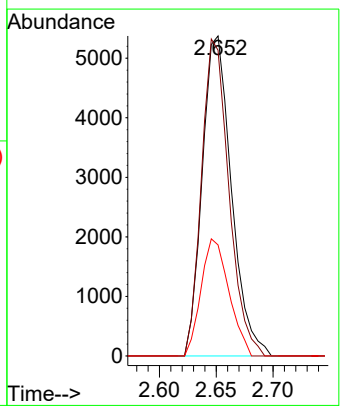


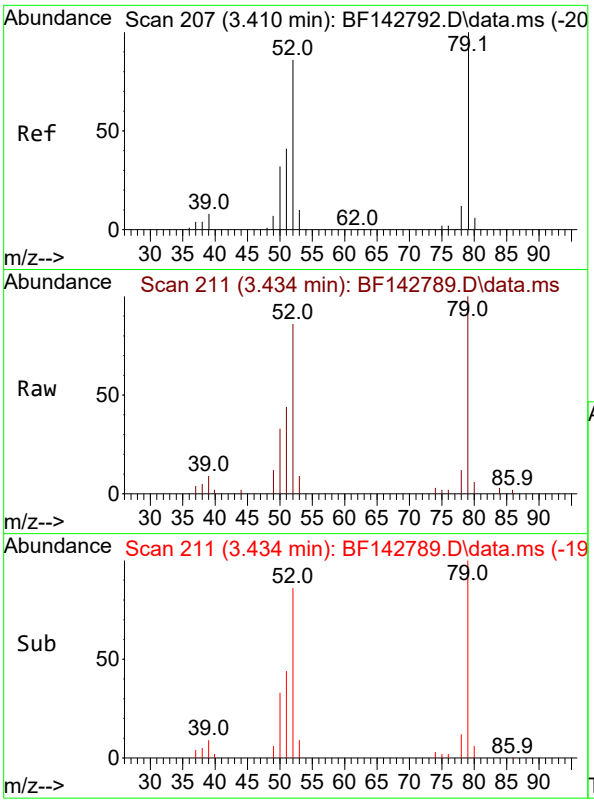


#2
1,4-Dioxane
Concen: 5.139 ng
RT: 2.652 min Scan# 78
Delta R.T. 0.012 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion: 88 Resp: 9589

Ion	Ratio	Lower	Upper
88	100		
58	92.9	69.1	103.7
43	35.1	27.4	41.2



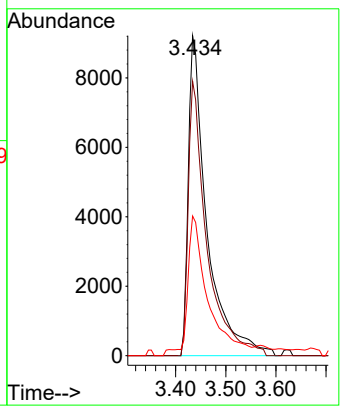


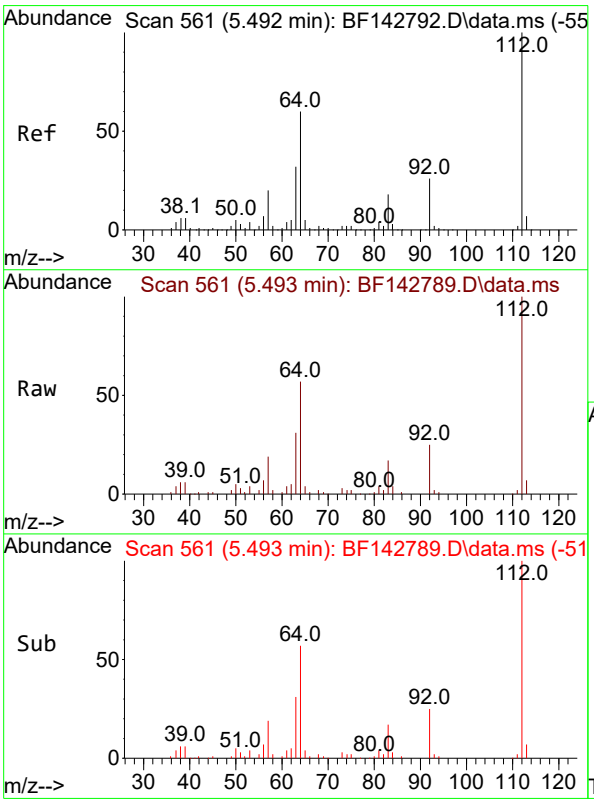
#3
Pyridine
Concen: 5.102 ng
RT: 3.434 min Scan# 21
Delta R.T. 0.024 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 23835

Ion	Ratio	Lower	Upper
79	100		
52	85.8	69.2	103.8
51	43.7	33.2	49.8

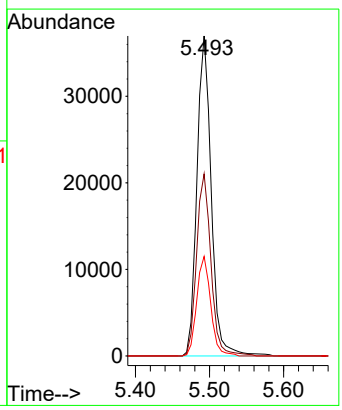


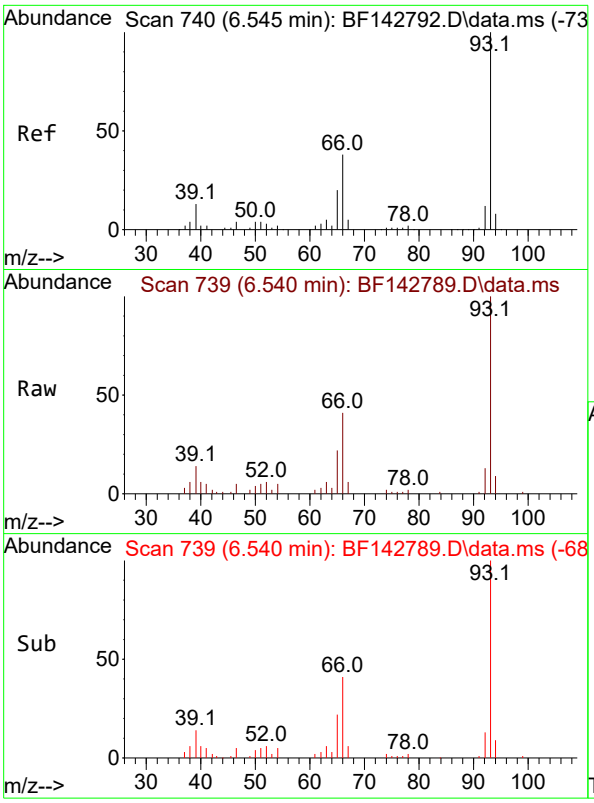


#5
2-Fluorophenol
Concen: 10.555 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:112 Resp: 49599

Ion	Ratio	Lower	Upper
112	100		
64	56.9	48.2	72.2
63	31.1	25.7	38.5



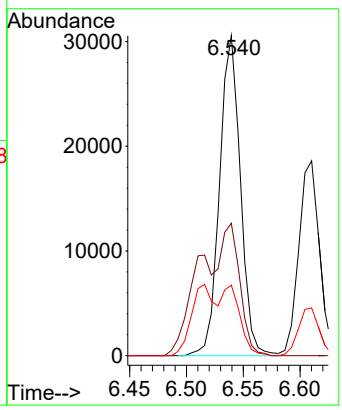


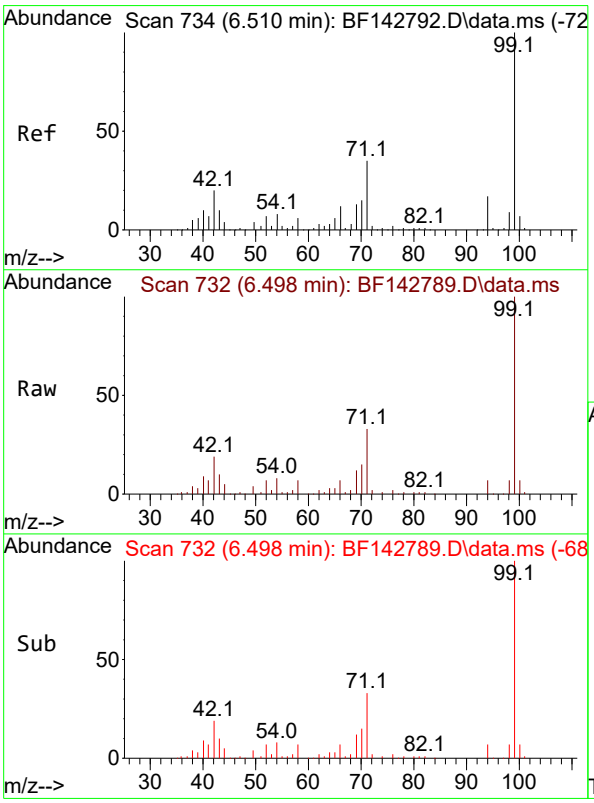
#6
Aniline
Concen: 5.286 ng
RT: 6.540 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 39088

Ion	Ratio	Lower	Upper
93	100		
66	41.4	31.8	47.6
65	22.0	16.2	24.2

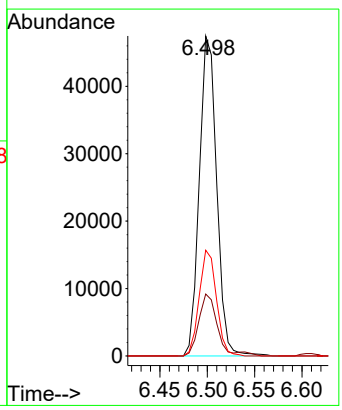


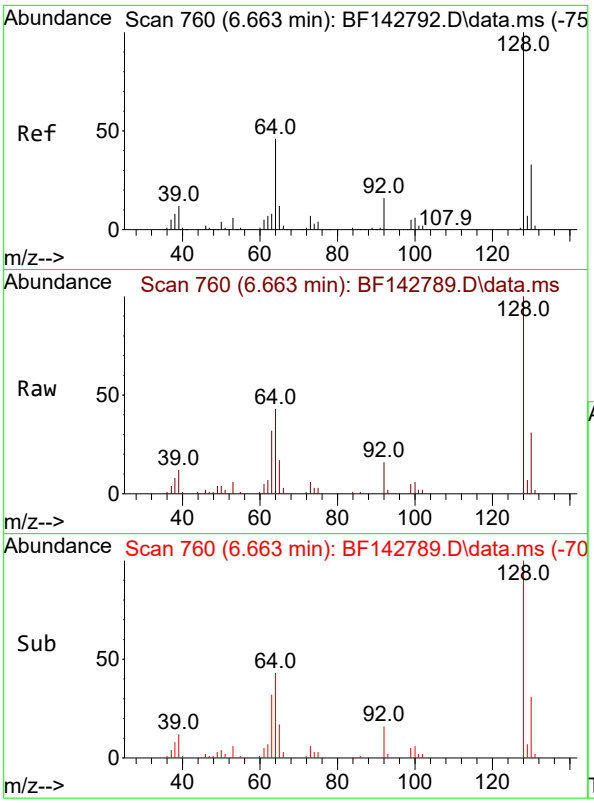


#7
Phenol-d6
Concen: 10.981 ng
RT: 6.498 min Scan# 732
Delta R.T. -0.012 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion: 99 Resp: 60590

Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.9	23.9
71	33.1	27.8	41.8



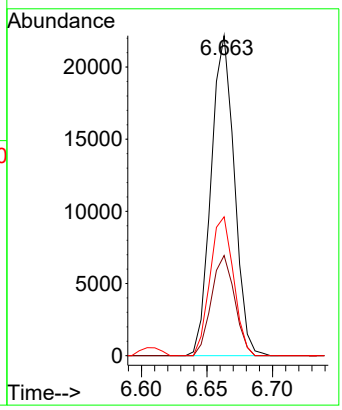


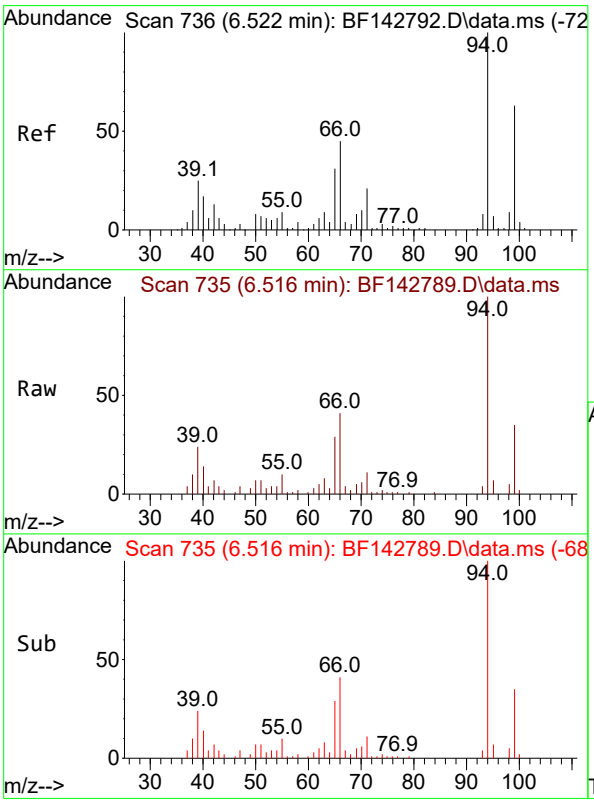
#8
2-Chlorophenol
Concen: 5.332 ng
RT: 6.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 27282

Ion	Ratio	Lower	Upper
128	100		
130	31.3	12.7	52.7
64	43.4	26.5	66.5

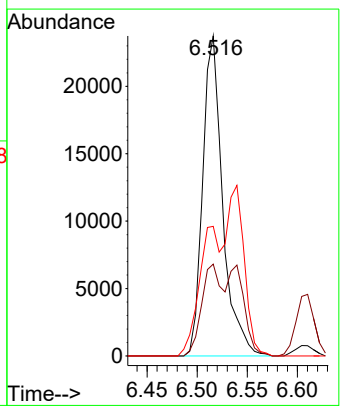


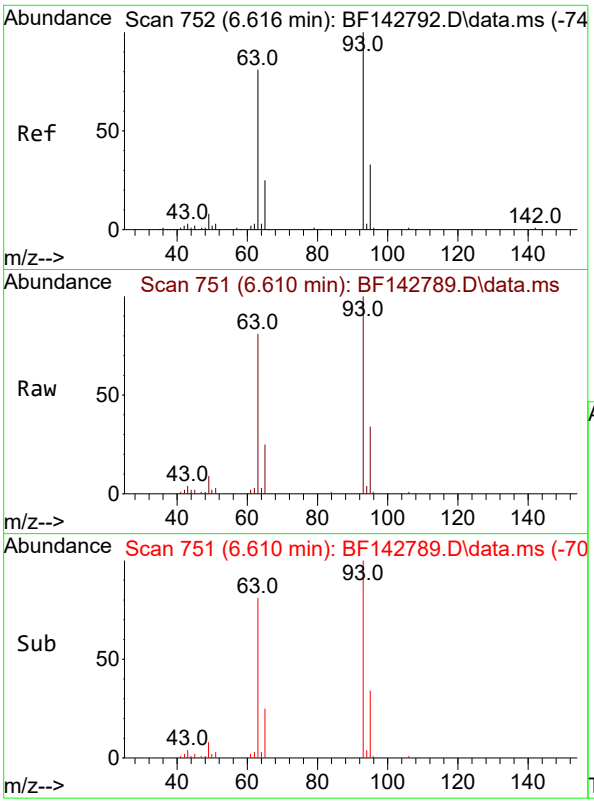


#10
Phenol
Concen: 5.369 ng
RT: 6.516 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion: 94 Resp: 33027

Ion	Ratio	Lower	Upper
94	100		
65	28.7	11.3	51.3
66	40.5	24.9	64.9



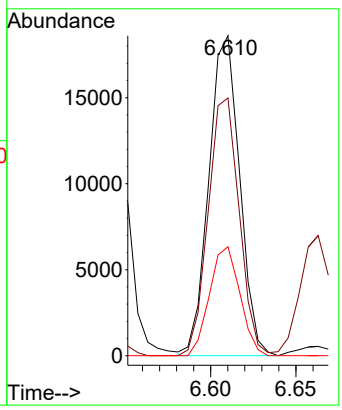


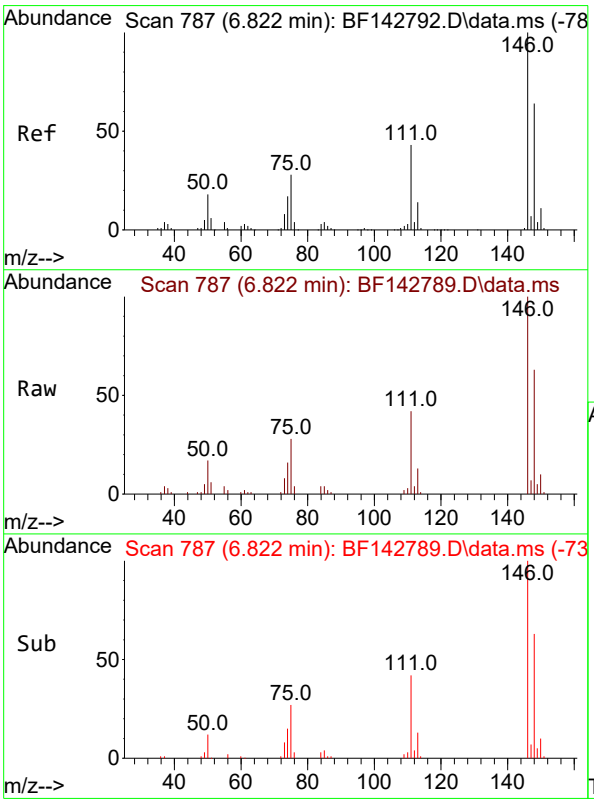
#11
bis(2-Chloroethyl)ether
Concen: 5.122 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 23378

Ion	Ratio	Lower	Upper
93	100		
63	80.6	60.3	100.3
95	34.1	12.5	52.5

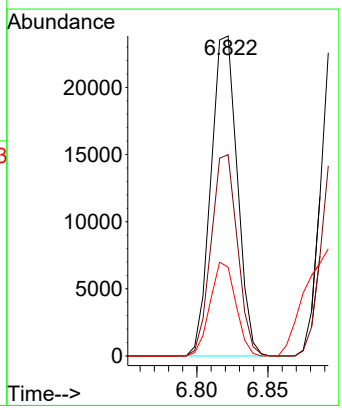


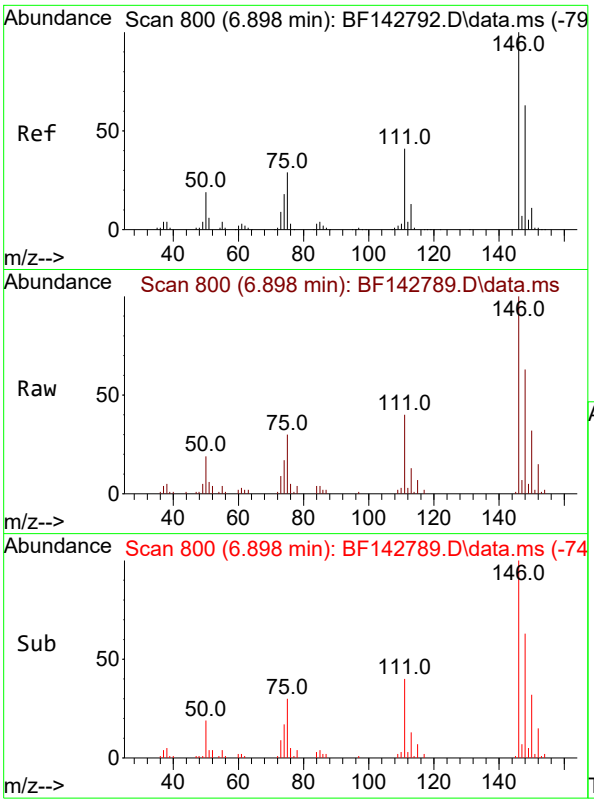


#12
1,3-Dichlorobenzene
Concen: 5.281 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:146 Resp: 30770

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.1	76.7
75	27.7	22.7	34.1



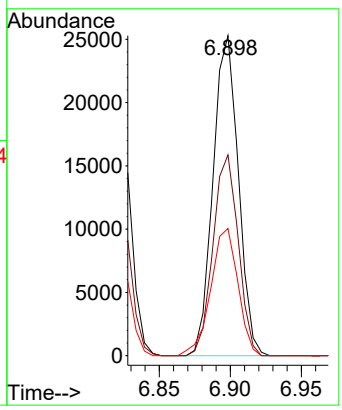


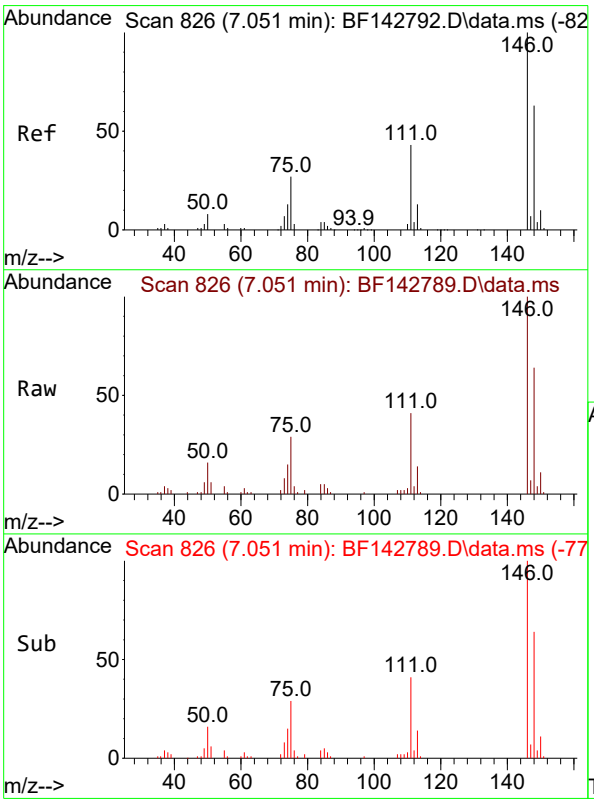
#13
1,4-Dichlorobenzene
Concen: 5.302 ng
RT: 6.898 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 31311

Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.2	75.2
111	39.8	33.2	49.8

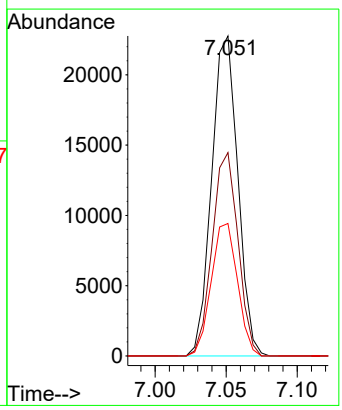


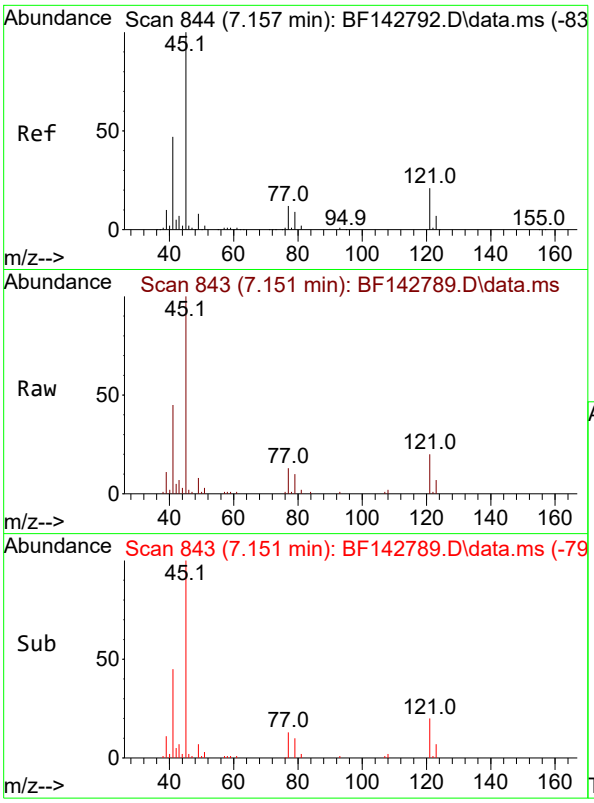


#14
1,2-Dichlorobenzene
Concen: 5.175 ng
RT: 7.051 min Scan# 826
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:146 Resp: 29215

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.4	75.6
111	41.4	34.1	51.1



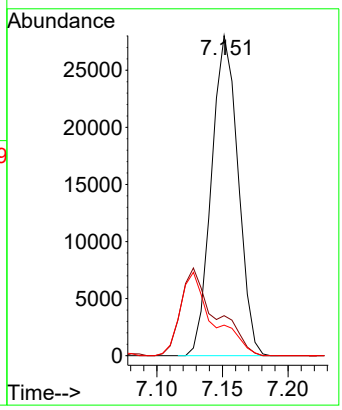


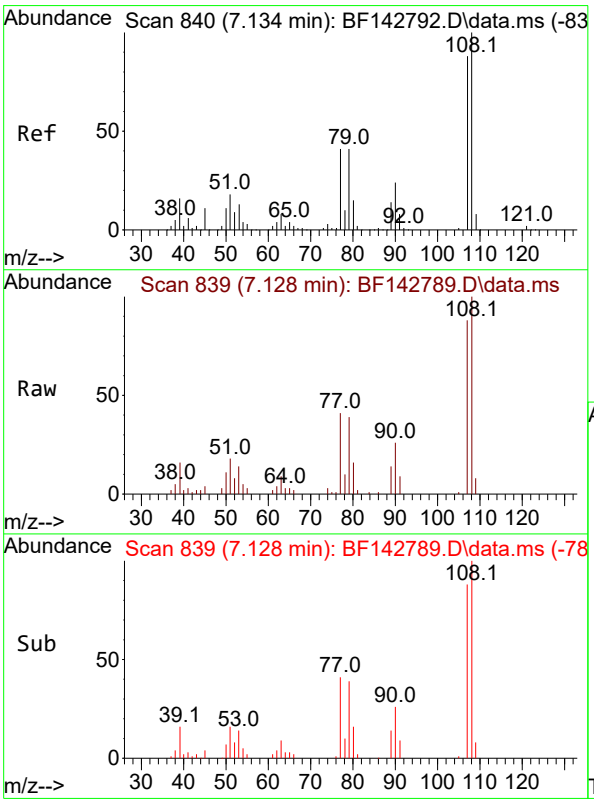
#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.503 ng
RT: 7.151 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 45 Resp: 39577

Ion	Ratio	Lower	Upper
45	100		
77	12.5	0.0	32.8
79	9.5	0.0	29.8

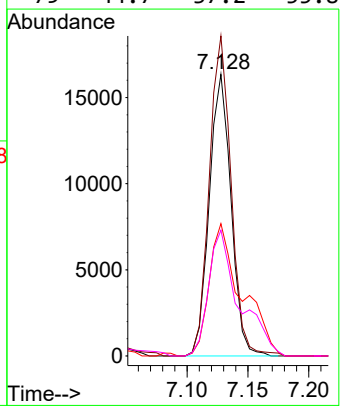


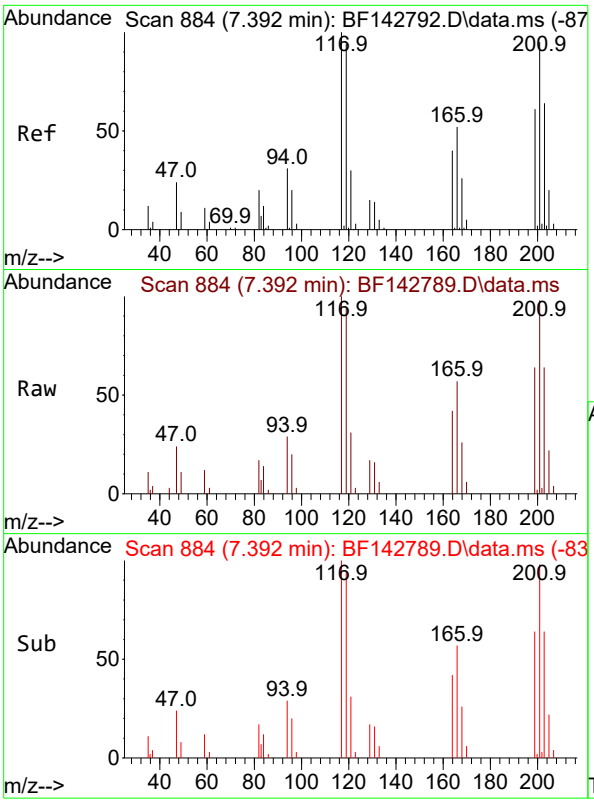


#17
2-Methylphenol
Concen: 5.199 ng
RT: 7.128 min Scan# 839
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:107 Resp: 20336

Ion	Ratio	Lower	Upper
107	100		
108	113.6	90.9	136.3
77	47.0	37.3	55.9
79	44.7	37.2	55.8



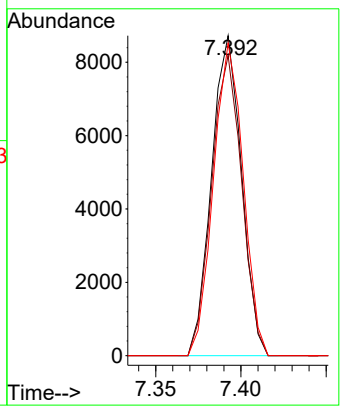


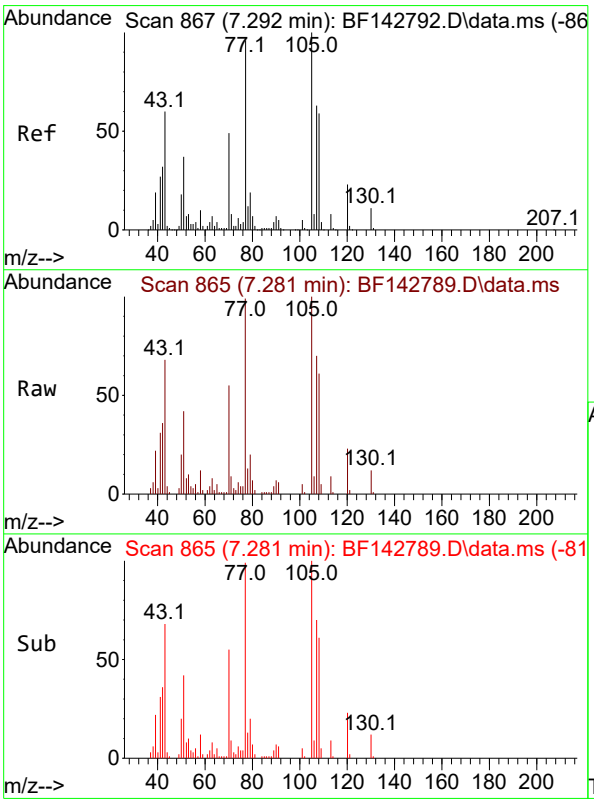
#18
Hexachloroethane
Concen: 5.054 ng
RT: 7.392 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:117 Resp: 10670

Ion	Ratio	Lower	Upper
117	100		
119	93.8	75.4	113.0
201	97.7	75.9	113.9

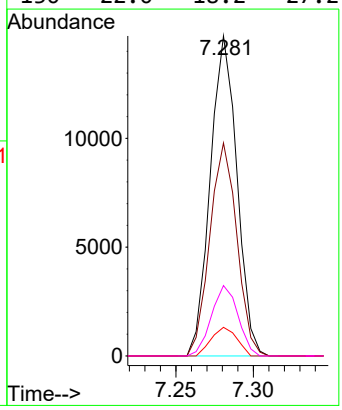


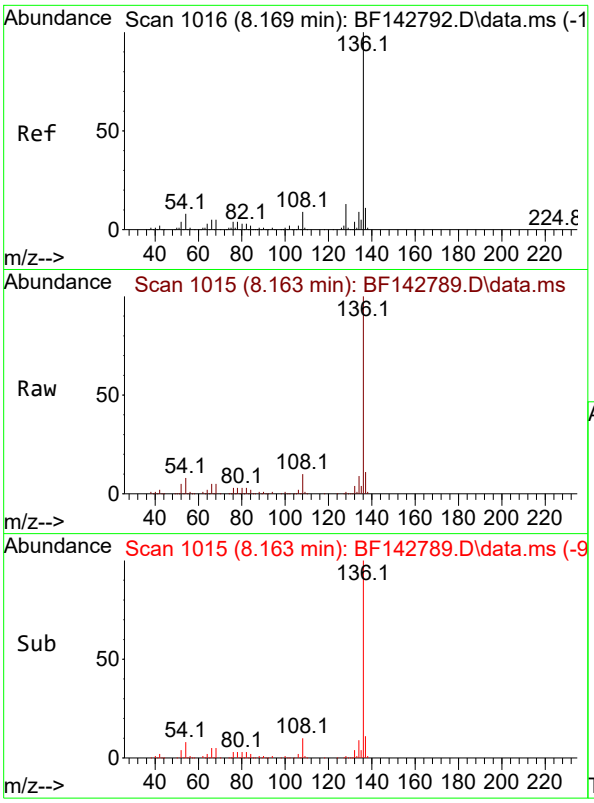


#19
n-Nitroso-di-n-propylamine
Concen: 5.061 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.012 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion: 70 Resp: 17612

Ion	Ratio	Lower	Upper
70	100		
42	66.5	52.1	78.1
101	8.9	8.2	12.2
130	22.0	18.2	27.2



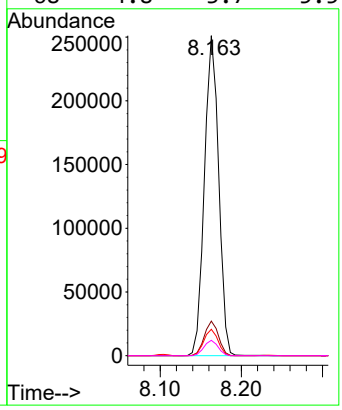


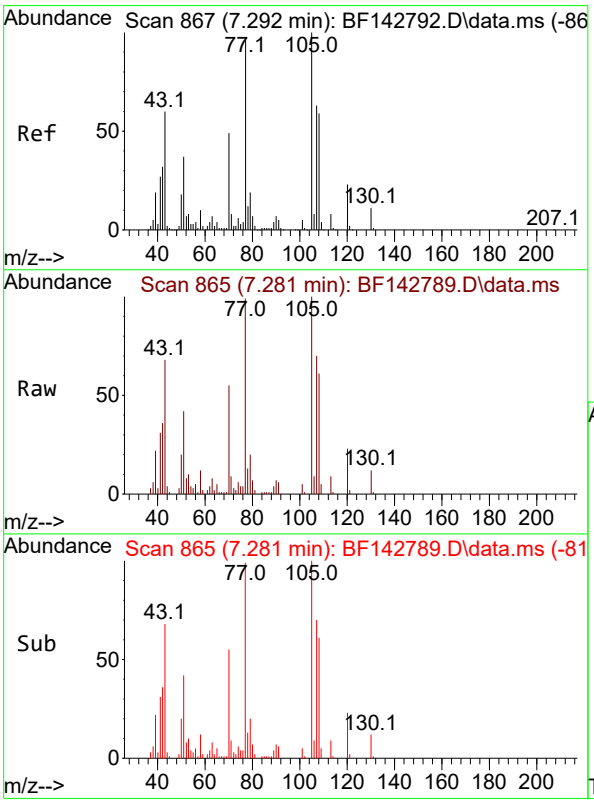
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 305306

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	8.3	6.3	9.5
68	4.8	3.7	5.5

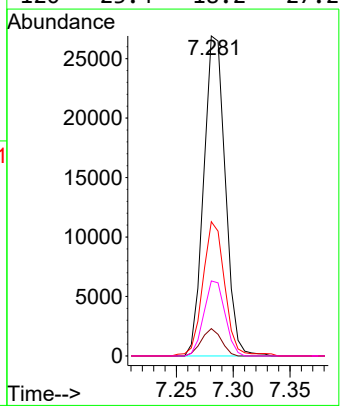


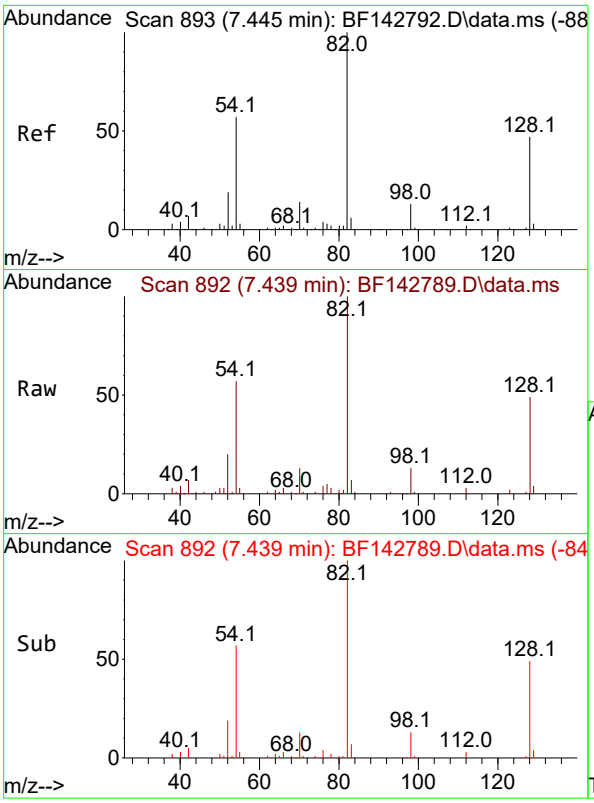


#22
Acetophenone
Concen: 5.240 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.012 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:105 Resp: 35396

Ion	Ratio	Lower	Upper
105	100		
71	8.5	6.5	9.7
51	41.9	29.8	44.8
120	23.4	18.2	27.2



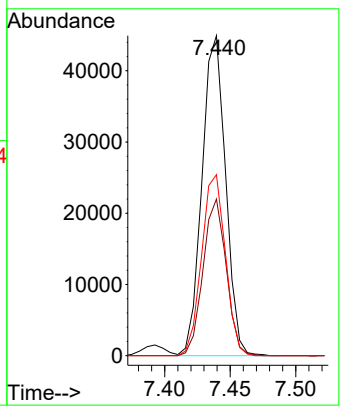


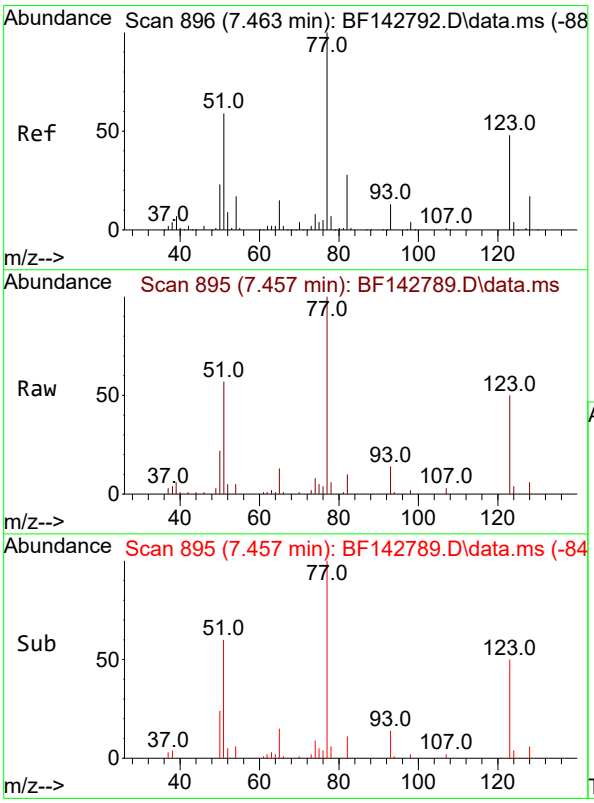
#23
Nitrobenzene-d5
Concen: 10.106 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 56291

Ion	Ratio	Lower	Upper
82	100		
128	48.9	37.7	56.5
54	56.6	45.7	68.5

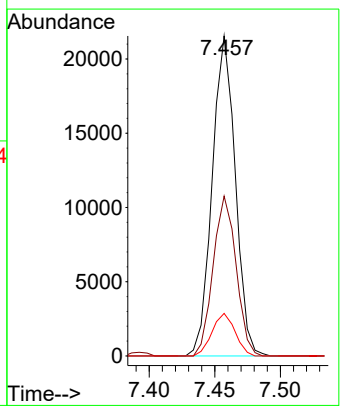


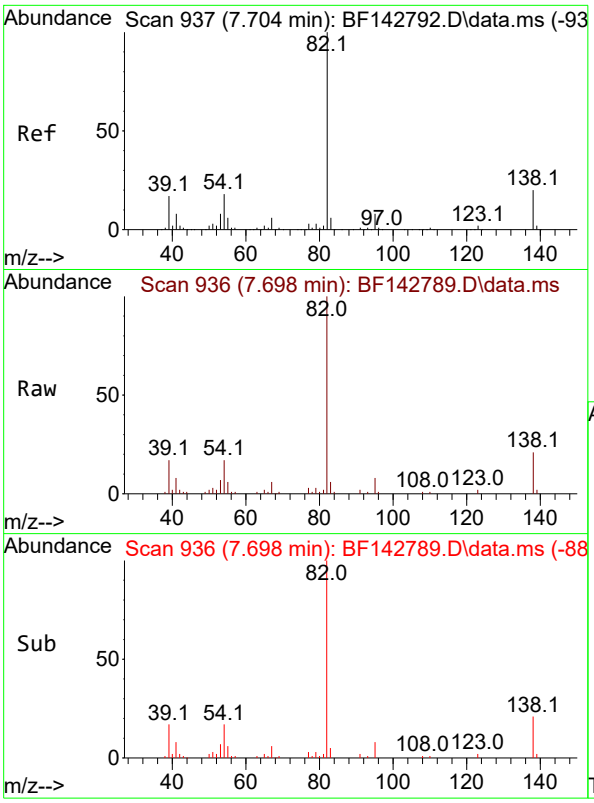


#24
Nitrobenzene
Concen: 5.324 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion: 77 Resp: 26353

Ion	Ratio	Lower	Upper
77	100		
123	49.9	39.2	58.8
65	13.3	11.6	17.4



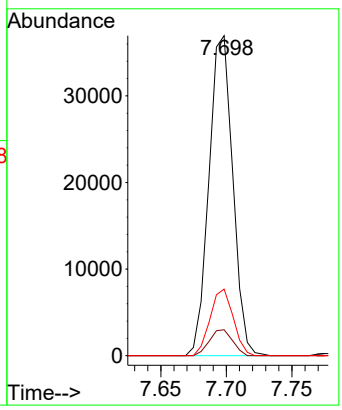


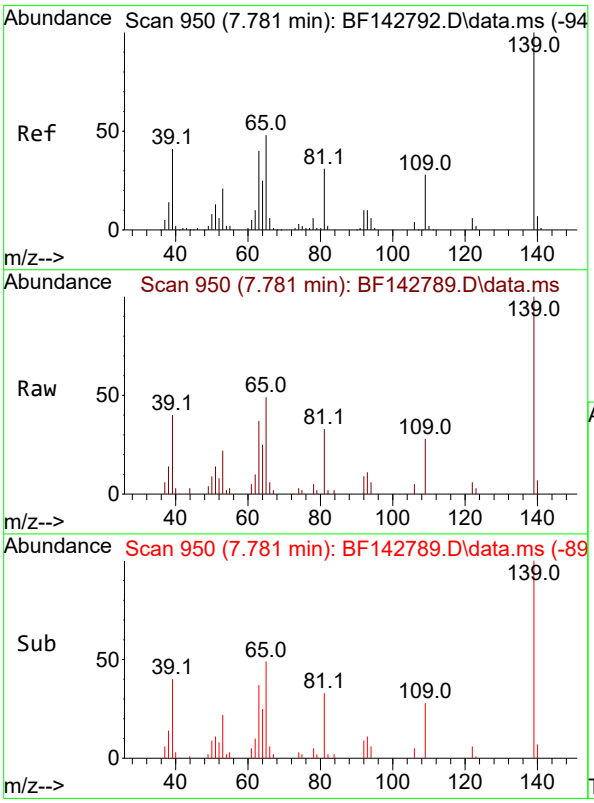
#25
Isophorone
Concen: 4.997 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 46673

Ion	Ratio	Lower	Upper
82	100		
95	8.1	6.2	9.2
138	20.8	16.2	24.4

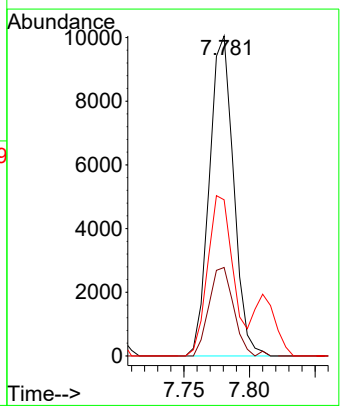


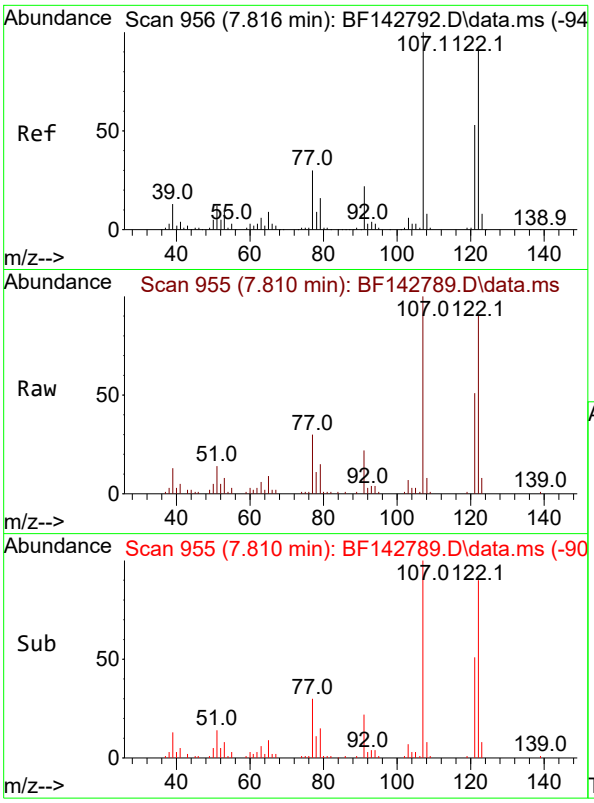


#26
2-Nitrophenol
Concen: 4.682 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:139 Resp: 12914

Ion	Ratio	Lower	Upper
139	100		
109	27.7	22.7	34.1
65	48.8	38.6	58.0



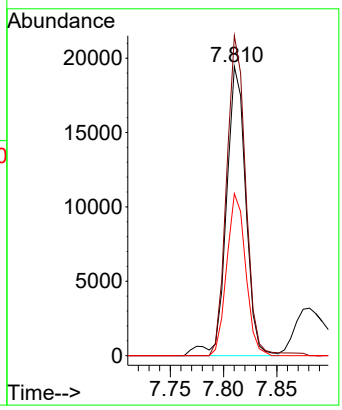


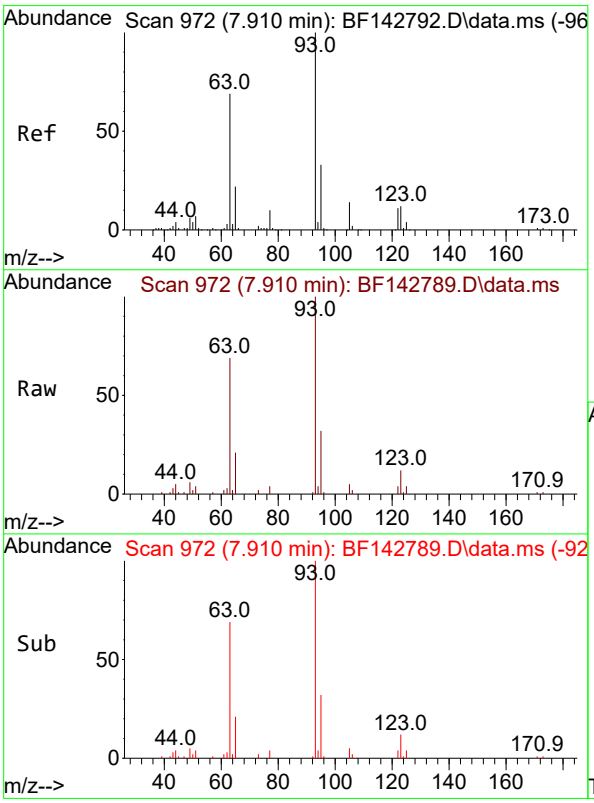
#27
2,4-Dimethylphenol
Concen: 5.242 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 24614

Ion	Ratio	Lower	Upper
122	100		
107	110.7	88.0	132.0
121	56.1	46.3	69.5

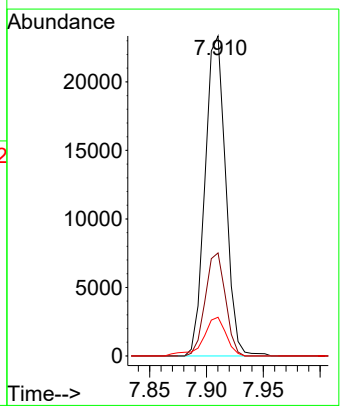


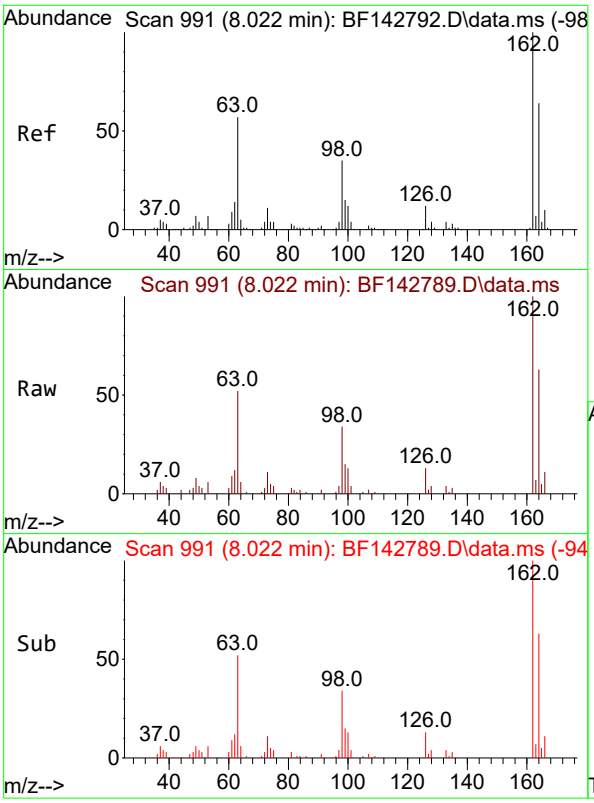


#28
bis(2-Chloroethoxy)methane
Concen: 5.068 ng
RT: 7.910 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion: 93 Resp: 29467

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.2	39.2
123	12.1	9.9	14.9



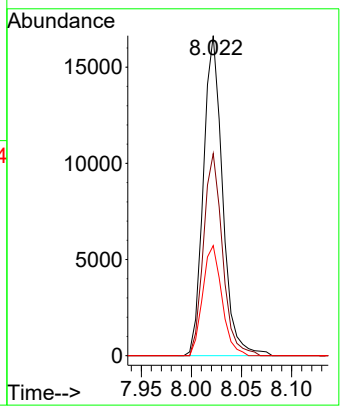


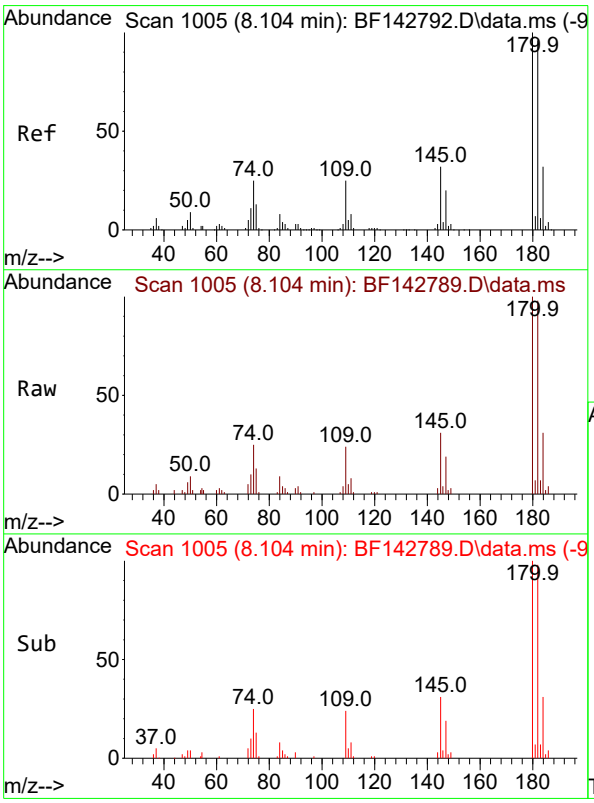
#29
2,4-Dichlorophenol
Concen: 5.134 ng
RT: 8.022 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 22222

Ion	Ratio	Lower	Upper
162	100		
164	63.2	44.0	84.0
98	34.4	15.4	55.4

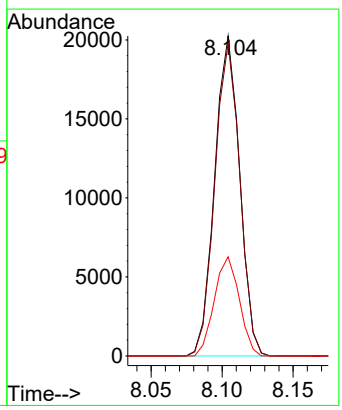


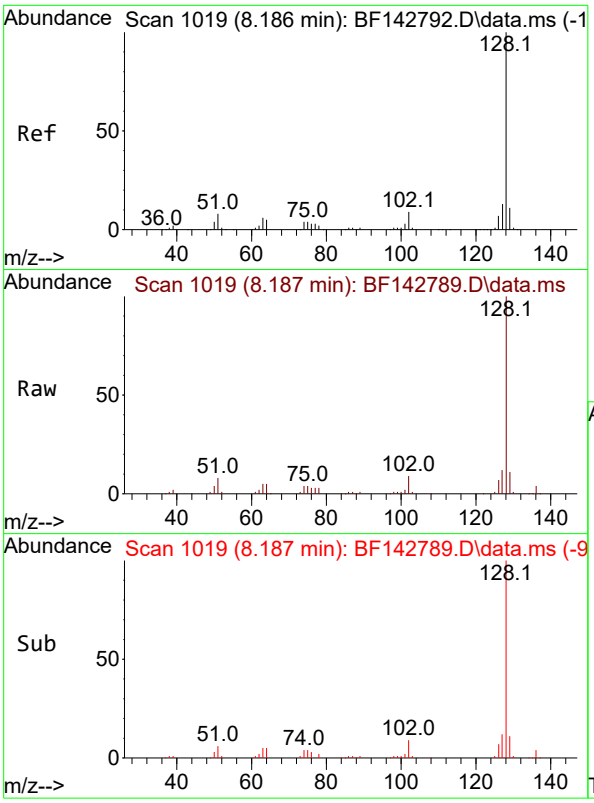


#30
1,2,4-Trichlorobenzene
Concen: 5.171 ng
RT: 8.104 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:180 Resp: 24724

Ion	Ratio	Lower	Upper
180	100		
182	97.8	76.4	114.6
145	31.0	25.8	38.8



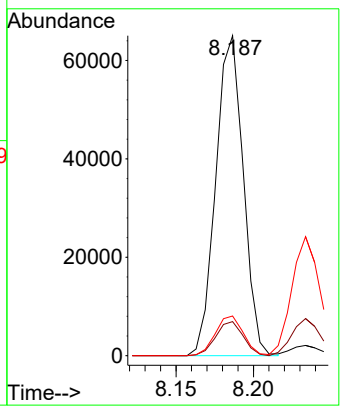


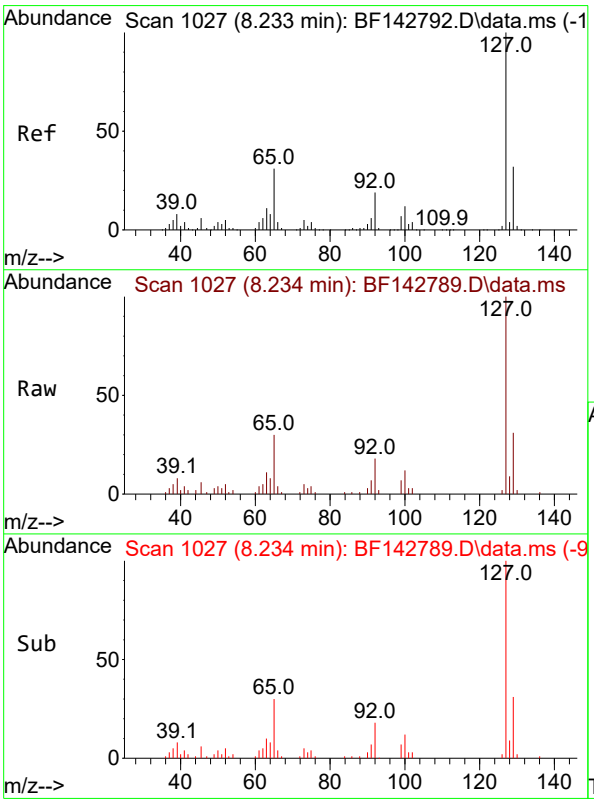
#31
Naphthalene
Concen: 5.344 ng
RT: 8.187 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 80247

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.9	13.3
127	12.4	10.4	15.6

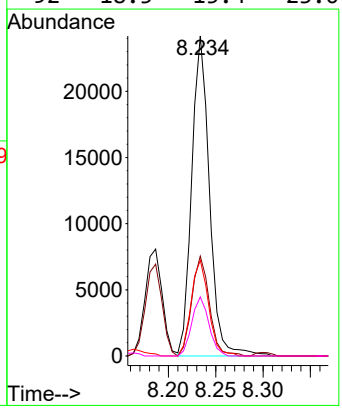


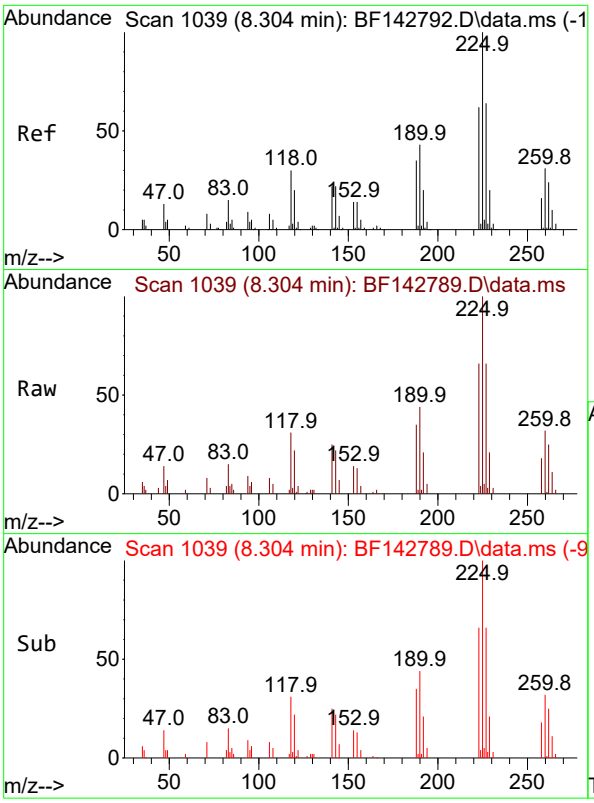


#33
4-Chloroaniline
Concen: 5.256 ng
RT: 8.234 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:127 Resp: 31626

Ion	Ratio	Lower	Upper
127	100		
129	31.2	25.9	38.9
65	29.9	24.6	36.8
92	18.5	15.4	23.0



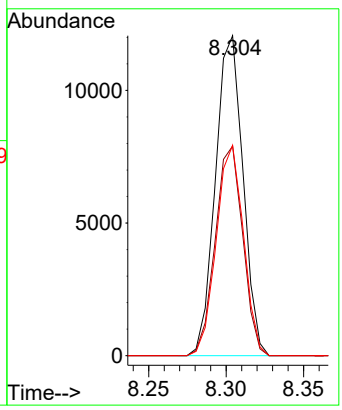


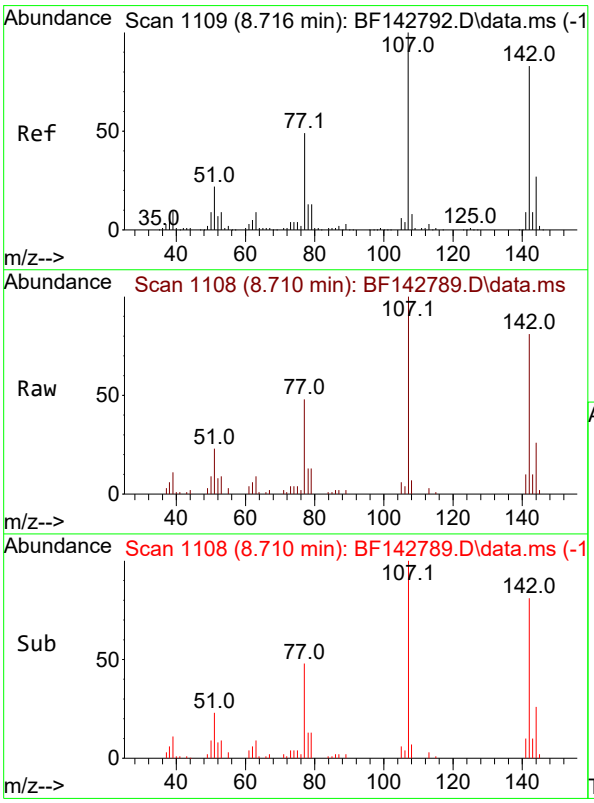
#34
Hexachlorobutadiene
Concen: 4.918 ng
RT: 8.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:225 Resp: 14900

Ion	Ratio	Lower	Upper
225	100		
223	65.5	49.9	74.9
227	65.7	51.4	77.0

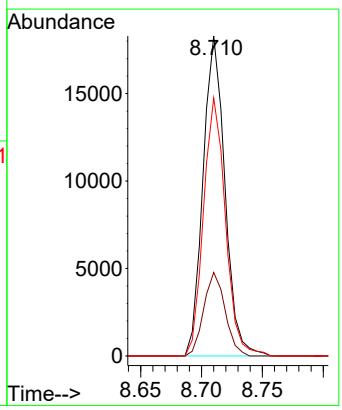


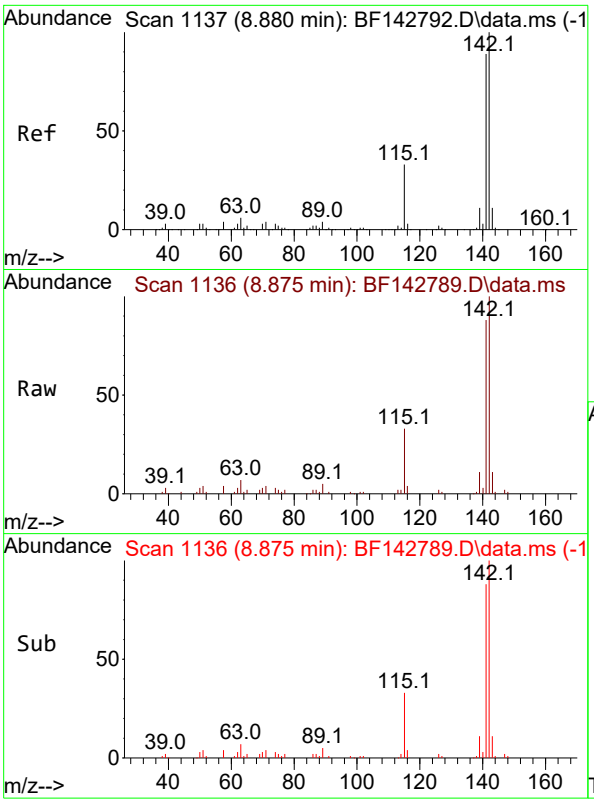


#36
4-Chloro-3-methylphenol
Concen: 5.113 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:107 Resp: 22861

Ion	Ratio	Lower	Upper
107	100		
144	26.1	21.3	31.9
142	80.7	66.6	100.0



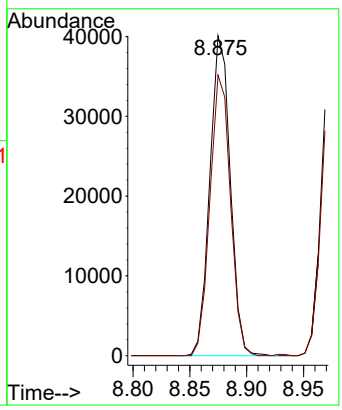


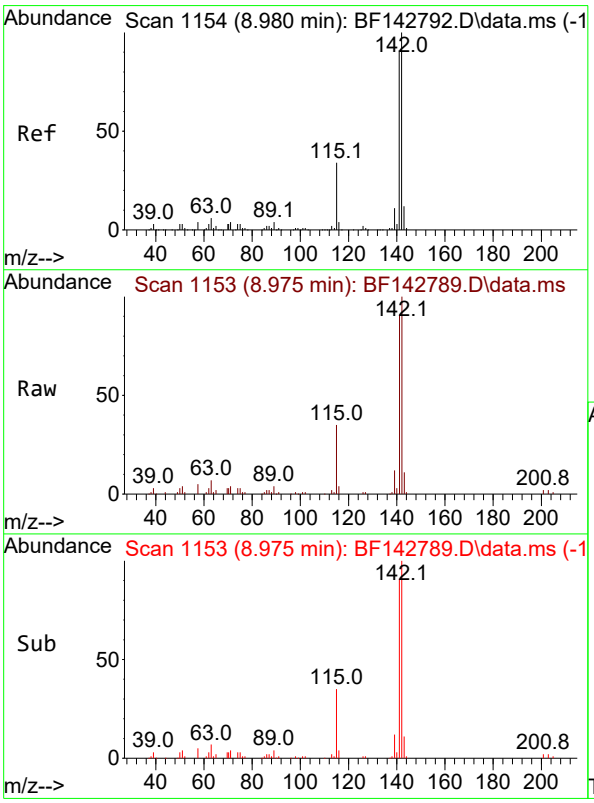
#37
2-Methylnaphthalene
Concen: 5.281 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 50024

Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.9	106.3

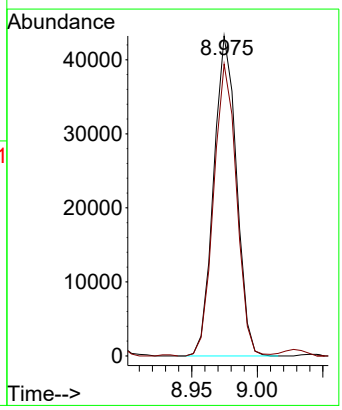


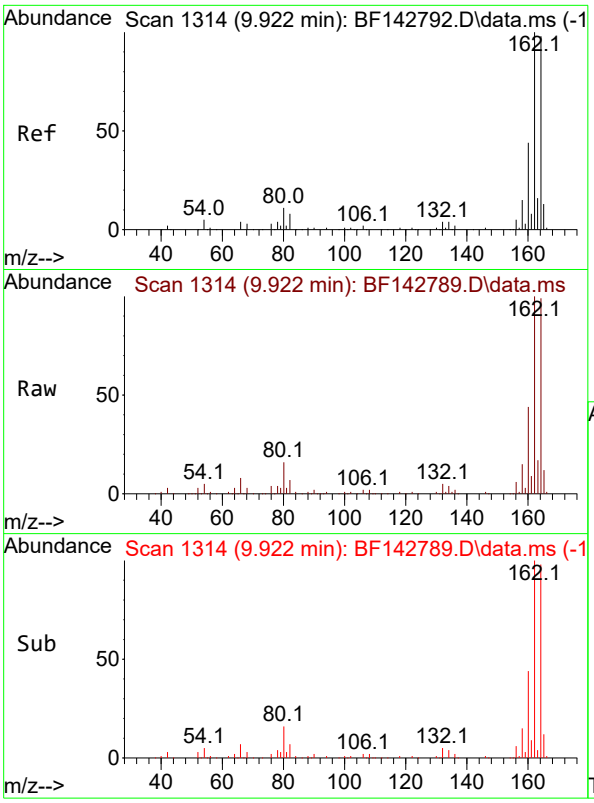


#38
1-Methylnaphthalene
Concen: 5.307 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:142 Resp: 52193

Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.0	109.4



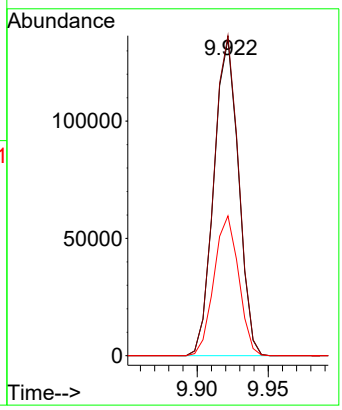


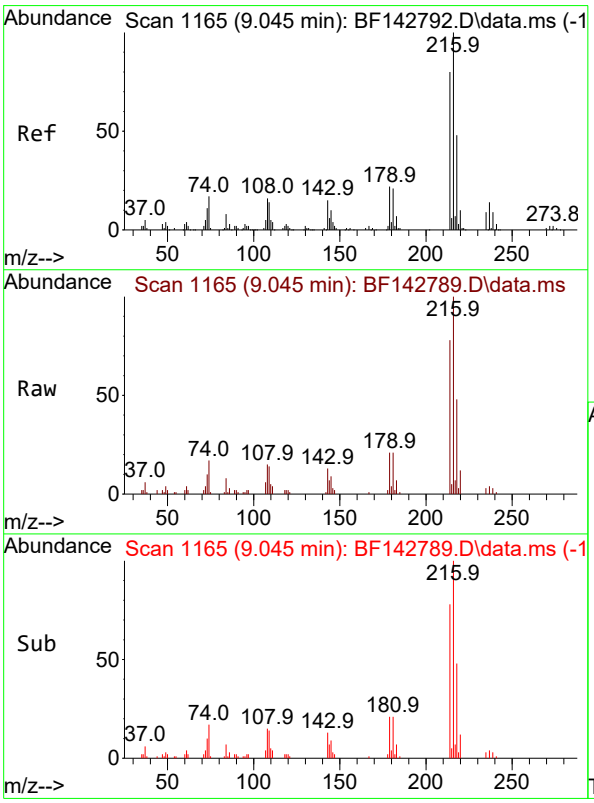
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 162729

Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.8	122.8
160	44.2	36.0	54.0

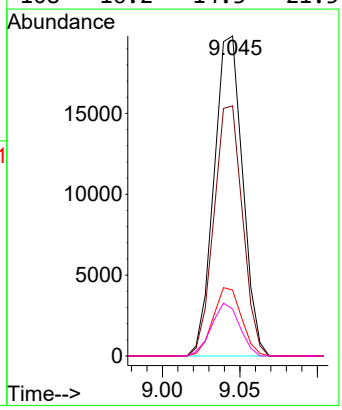


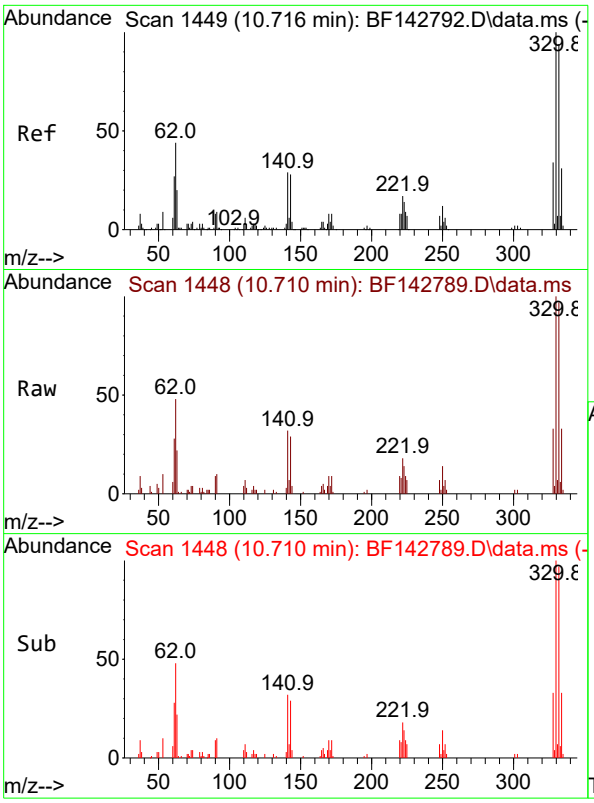


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.419 ng
RT: 9.045 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:216 Resp: 25456

Ion	Ratio	Lower	Upper
216	100		
214	78.0	63.7	95.5
179	21.1	17.6	26.4
108	16.2	14.3	21.5



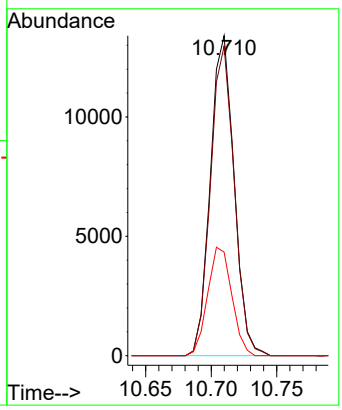


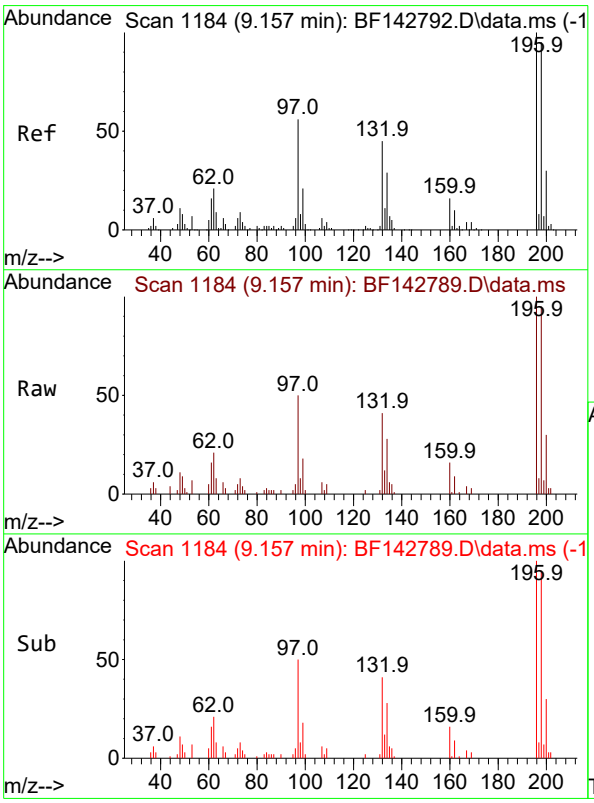
#42
2,4,6-Tribromophenol
Concen: 9.551 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:330 Resp: 16892

Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.0	112.6
141	34.5	25.3	37.9

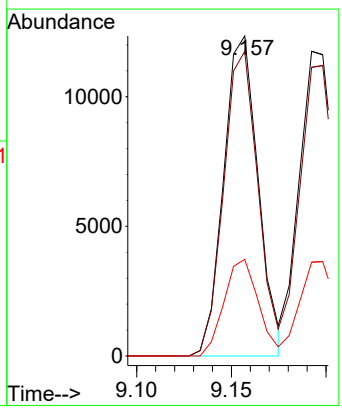


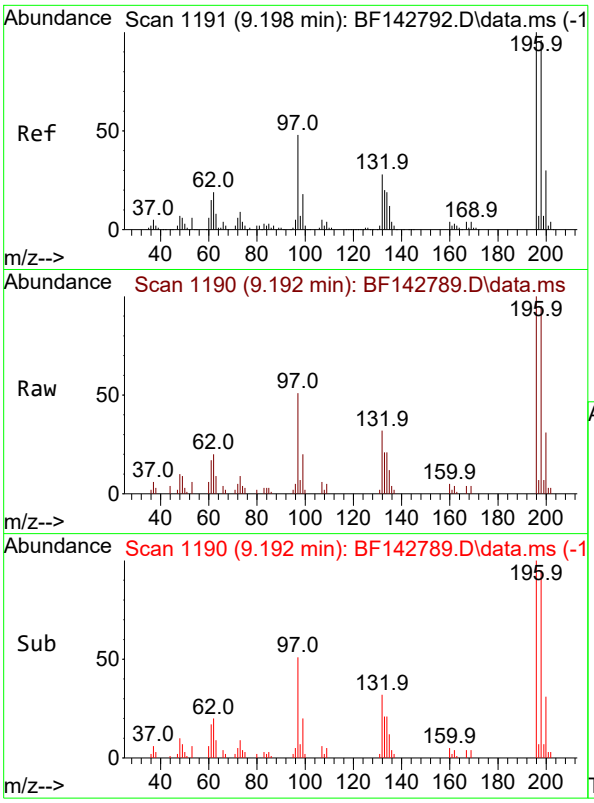


#43
2,4,6-Trichlorophenol
Concen: 5.154 ng
RT: 9.157 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:196 Resp: 15667

Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.2	114.2
200	30.2	24.1	36.1



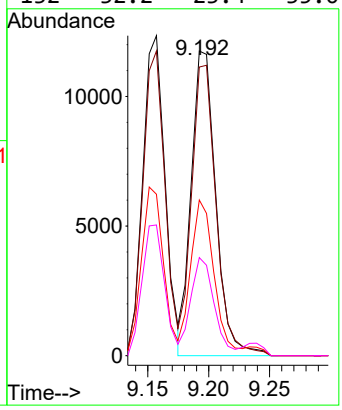


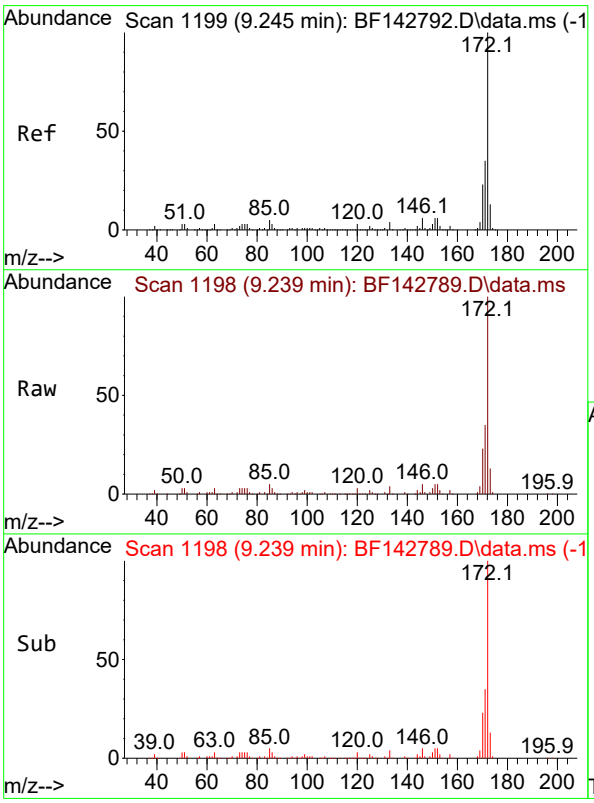
#44
2,4,5-Trichlorophenol
Concen: 5.045 ng
RT: 9.192 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 16563

Ion	Ratio	Lower	Upper
196	100		
198	94.8	76.6	115.0
97	51.1	38.2	57.2
132	32.2	23.4	35.0

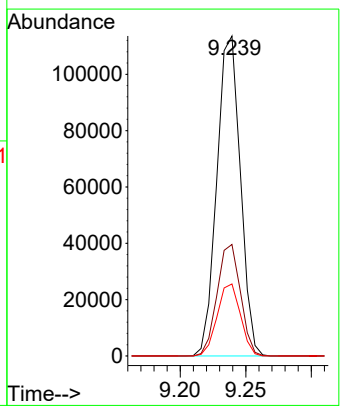


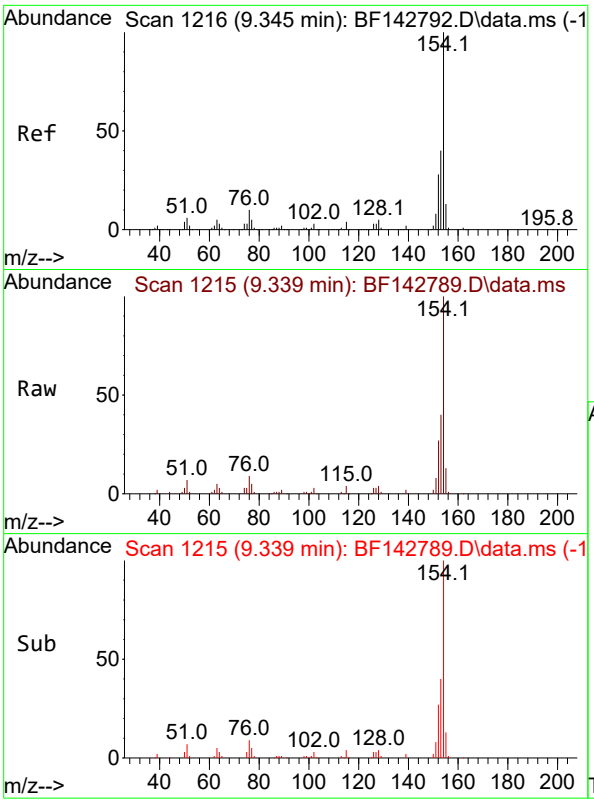


#45
2-Fluorobiphenyl
Concen: 11.573 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:172 Resp: 141565

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.2	42.4
170	22.5	18.5	27.7



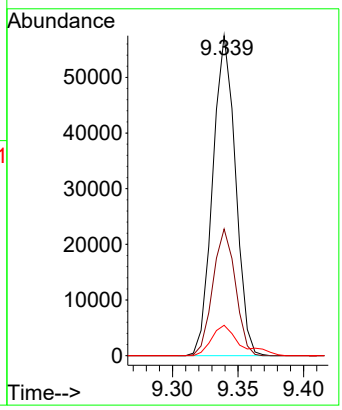


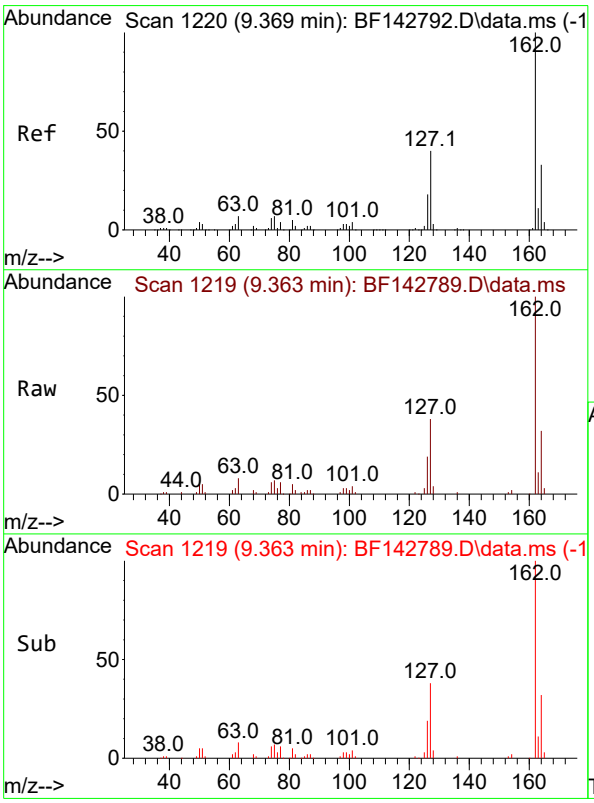
#46
1,1'-Biphenyl
Concen: 5.478 ng
RT: 9.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 69218

Ion	Ratio	Lower	Upper
154	100		
153	39.6	20.3	60.3
76	9.5	0.0	30.3

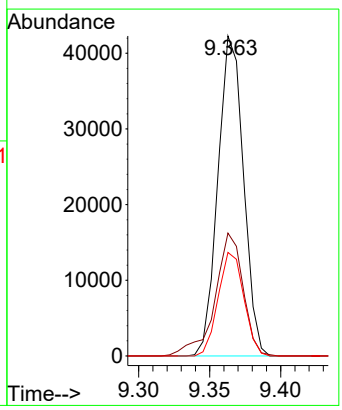


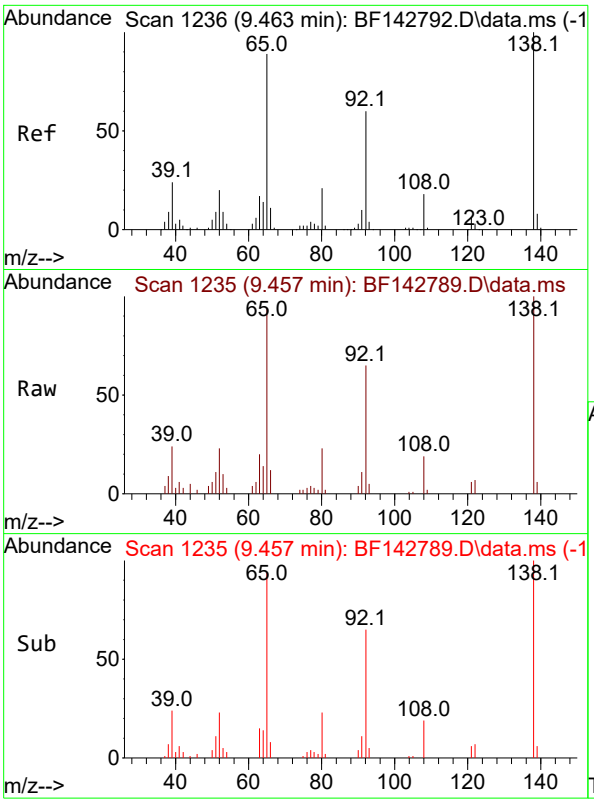


#47
2-Chloronaphthalene
Concen: 5.670 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:162 Resp: 52868

Ion	Ratio	Lower	Upper
162	100		
127	38.4	32.2	48.2
164	32.4	26.1	39.1



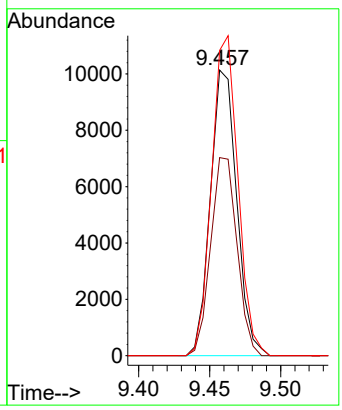


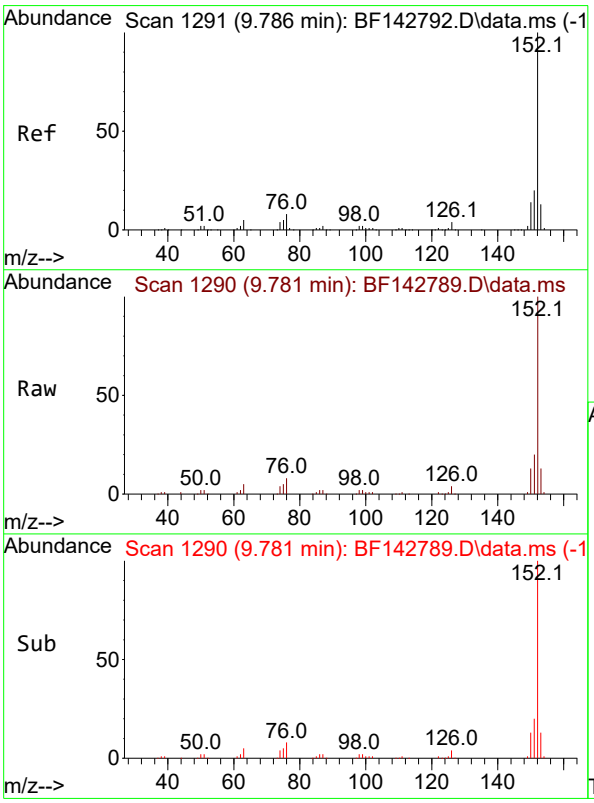
#48
2-Nitroaniline
Concen: 4.937 ng
RT: 9.457 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 65 Resp: 13076

Ion	Ratio	Lower	Upper
65	100		
92	69.4	53.8	80.6
138	106.9	89.6	134.4

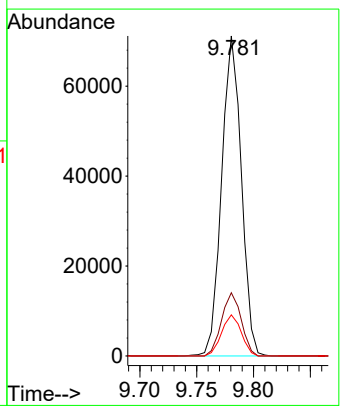


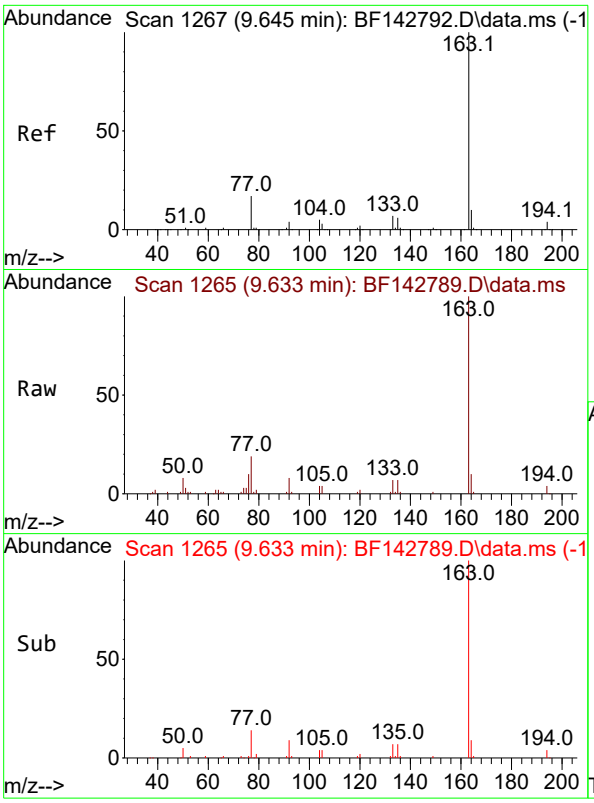


#49
Acenaphthylene
Concen: 5.477 ng
RT: 9.781 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:152 Resp: 85856

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.1	24.1
153	12.8	10.4	15.6



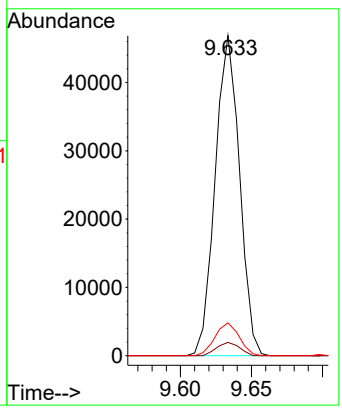


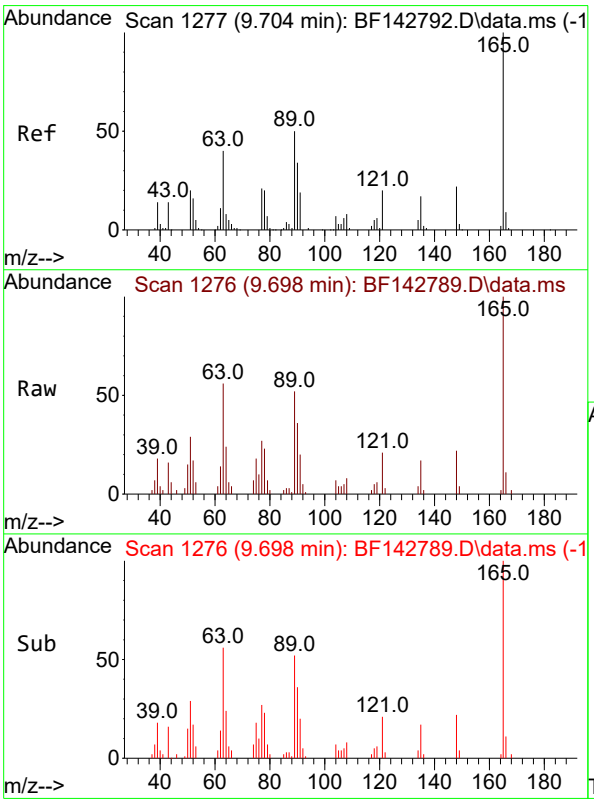
#50
Dimethylphthalate
Concen: 5.170 ng
RT: 9.633 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:163 Resp: 55804

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.2	8.0	12.0

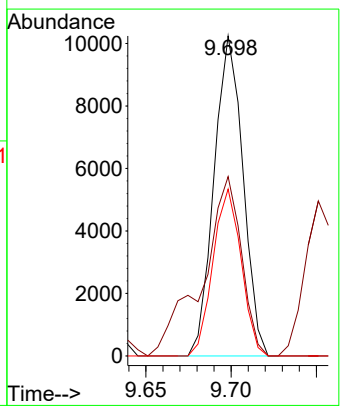


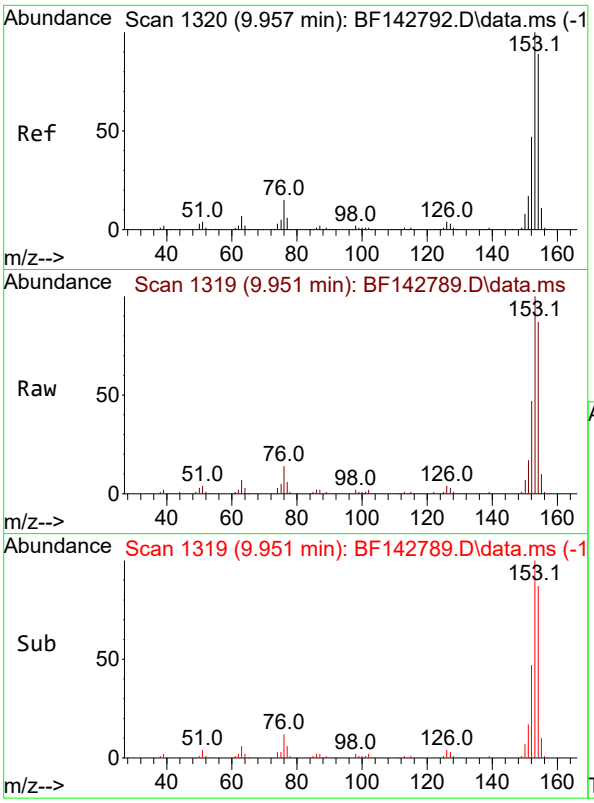


#51
2,6-Dinitrotoluene
Concen: 5.163 ng
RT: 9.698 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:165 Resp: 12080

Ion	Ratio	Lower	Upper
165	100		
63	56.1	44.2	66.4
89	52.1	39.8	59.8



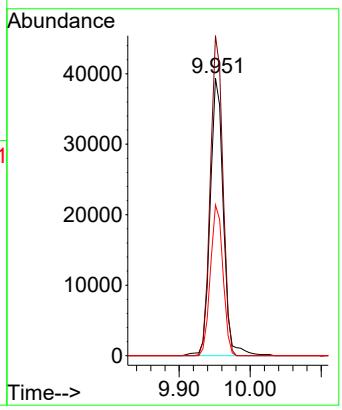


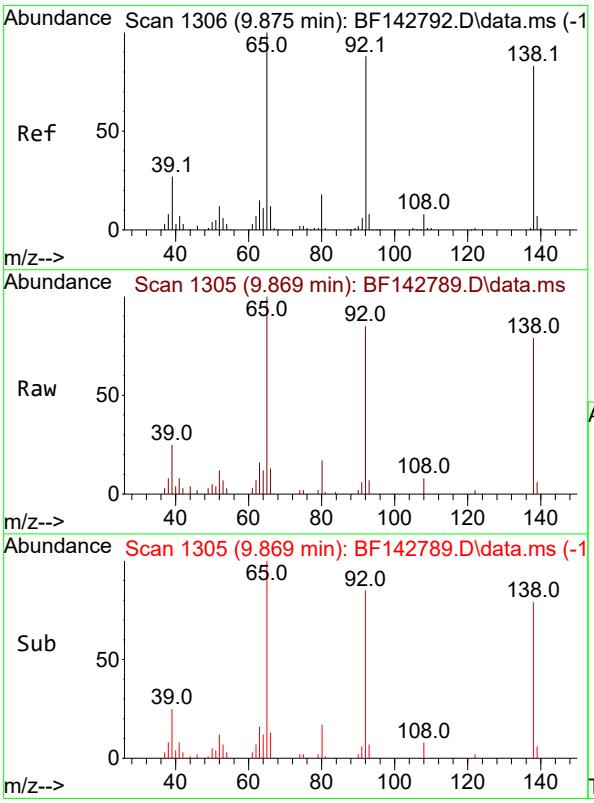
#52
Acenaphthene
Concen: 5.230 ng
RT: 9.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 50726

Ion	Ratio	Lower	Upper
154	100		
153	115.3	90.0	135.0
152	54.3	41.9	62.9

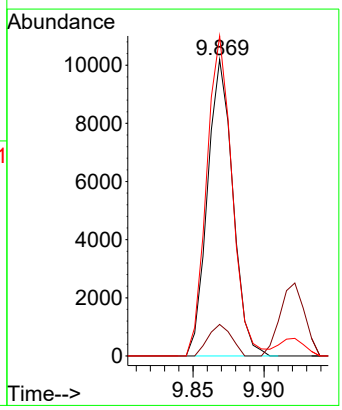


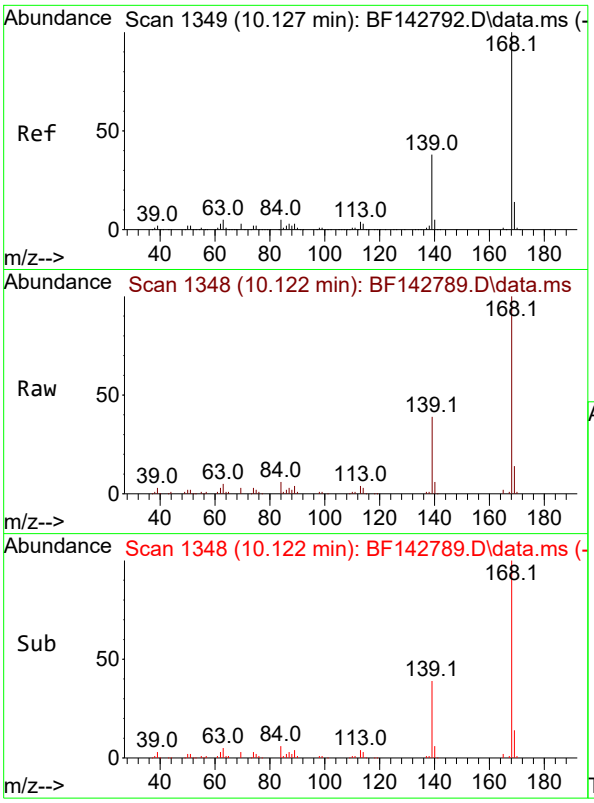


#53
3-Nitroaniline
Concen: 4.984 ng
RT: 9.869 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:138 Resp: 12667

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.1	12.1
92	108.0	85.1	127.7



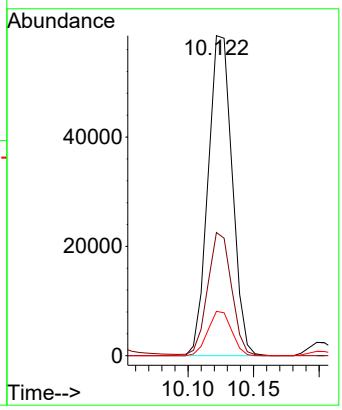


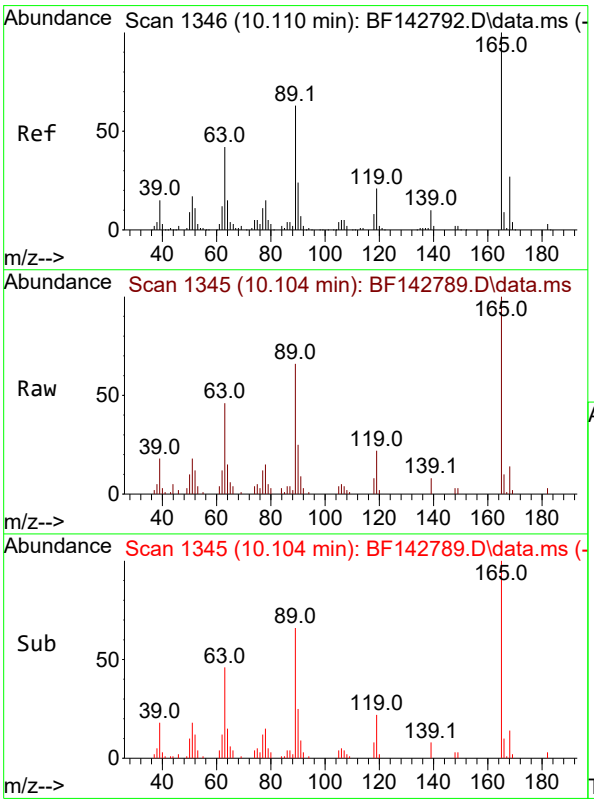
#55
Dibenzofuran
Concen: 5.420 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:168 Resp: 74998

Ion	Ratio	Lower	Upper
168	100		
139	38.5	30.2	45.4
169	13.8	10.8	16.2

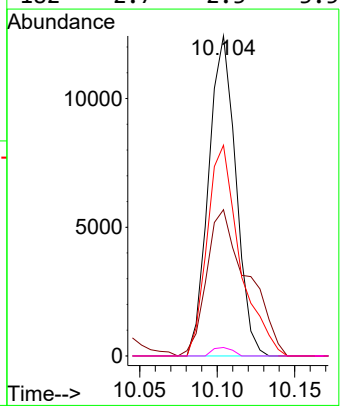


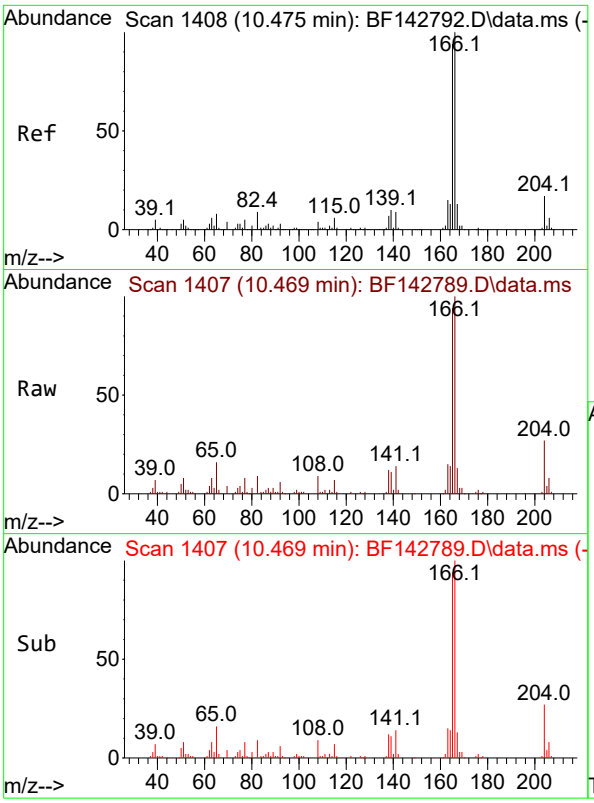


#57
2,4-Dinitrotoluene
Concen: 4.904 ng
RT: 10.104 min Scan# 1345
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:165 Resp: 15173

Ion	Ratio	Lower	Upper
165	100		
63	45.7	33.9	50.9
89	65.9	50.6	75.8
182	2.7	2.3	3.5



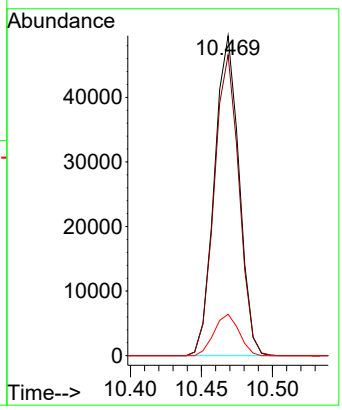


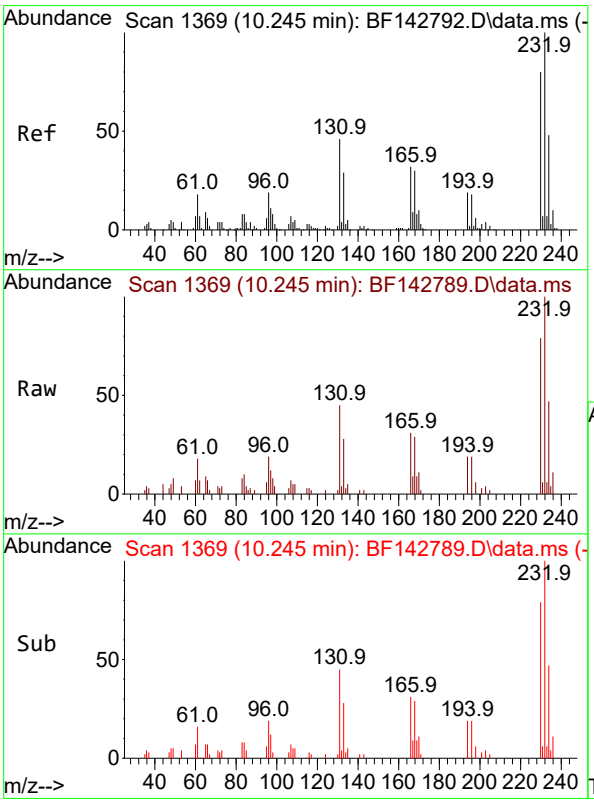
#58
Fluorene
Concen: 5.453 ng
RT: 10.469 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:166 Resp: 59558

Ion	Ratio	Lower	Upper
166	100		
165	94.0	75.2	112.8
167	13.0	10.6	15.8

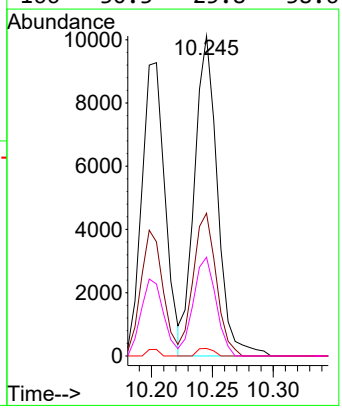


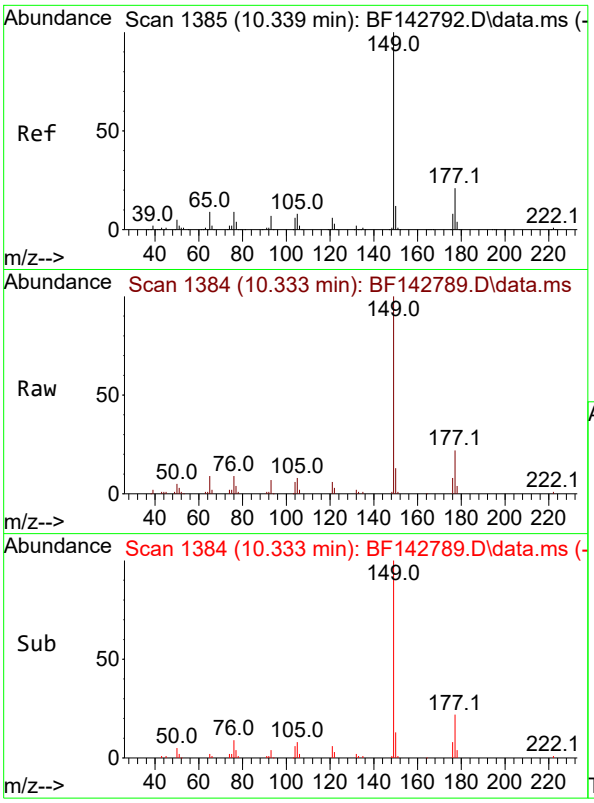


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.827 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:232 Resp: 13285

Ion	Ratio	Lower	Upper
232	100		
131	44.7	37.6	56.4
130	1.7	1.7	2.5#
166	30.3	25.8	38.6



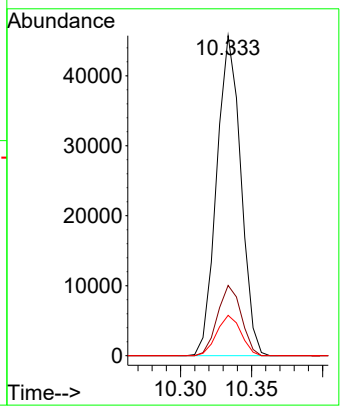


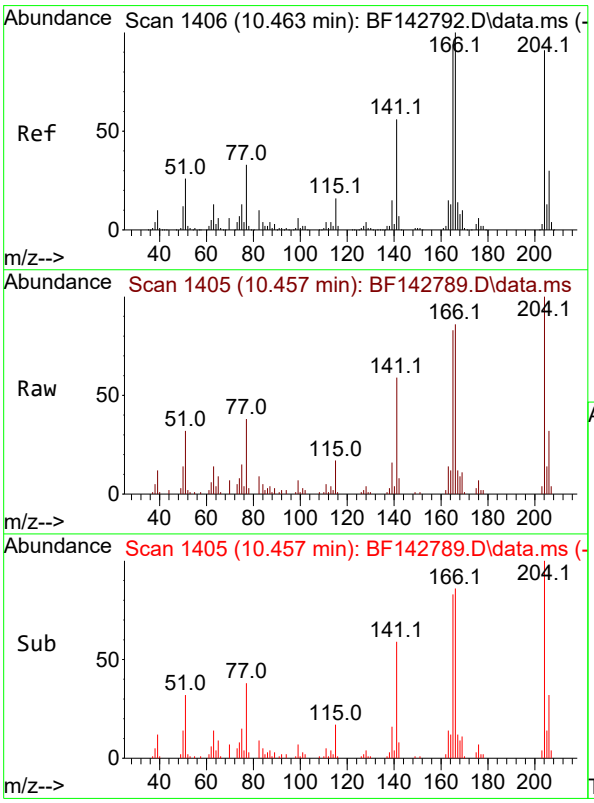
#60
Diethylphthalate
Concen: 5.040 ng
RT: 10.333 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 54038

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.0	25.6
150	12.6	9.8	14.6

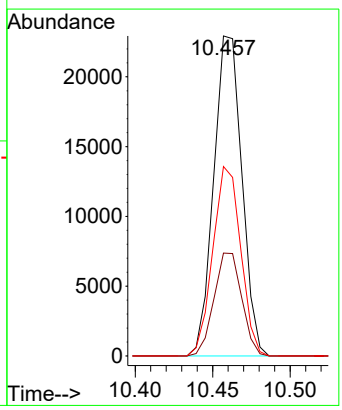


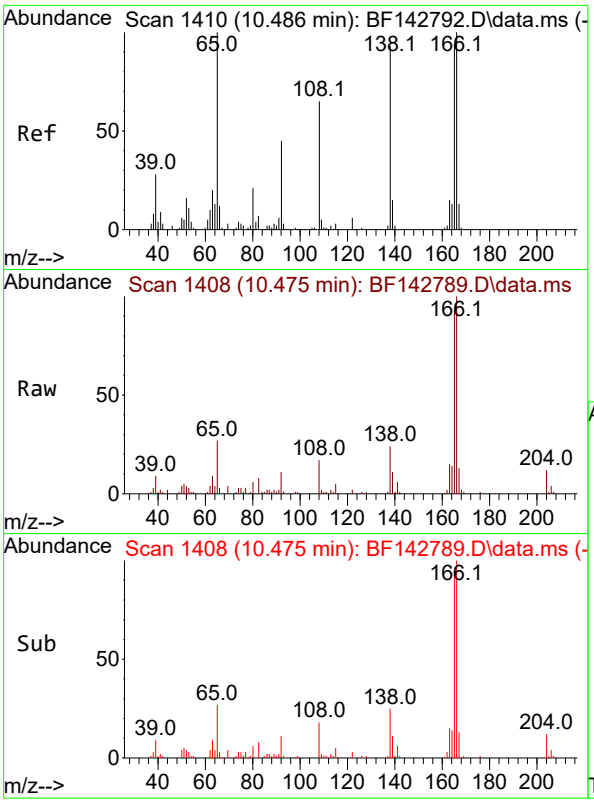


#61
4-Chlorophenyl-phenylether
Concen: 5.469 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:204 Resp: 29011

Ion	Ratio	Lower	Upper
204	100		
206	32.2	26.3	39.5
141	59.2	49.1	73.7



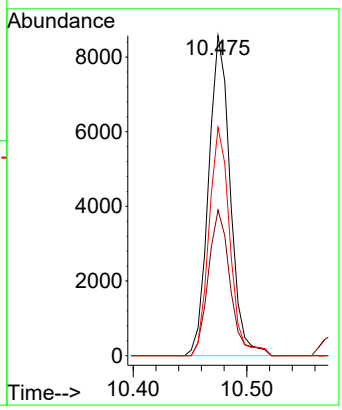


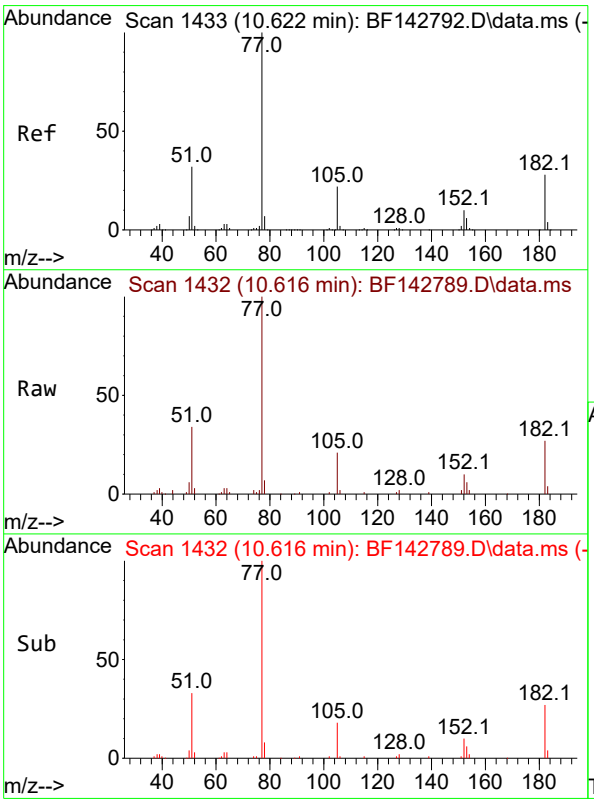
#62
4-Nitroaniline
Concen: 4.971 ng
RT: 10.475 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 11342

Ion	Ratio	Lower	Upper
138	100		
92	45.5	28.4	68.4
108	71.3	50.2	90.2

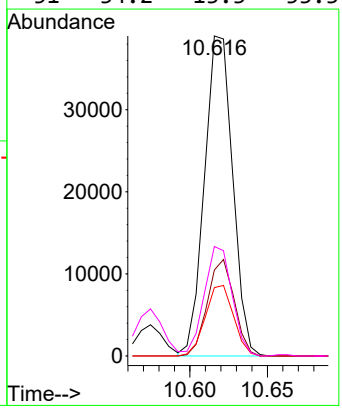


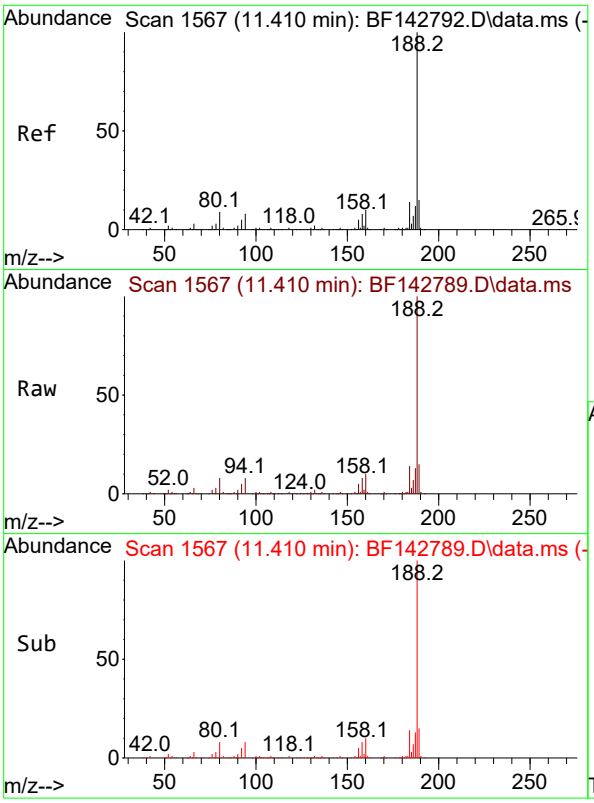


#63
Azobenzene
Concen: 5.276 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion: 77 Resp: 49436

Ion	Ratio	Lower	Upper
77	100		
182	26.8	7.7	47.7
105	21.4	1.9	41.9
51	34.2	13.3	53.3



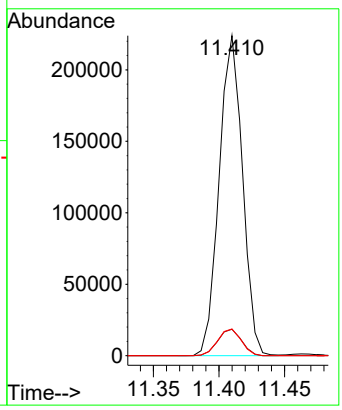


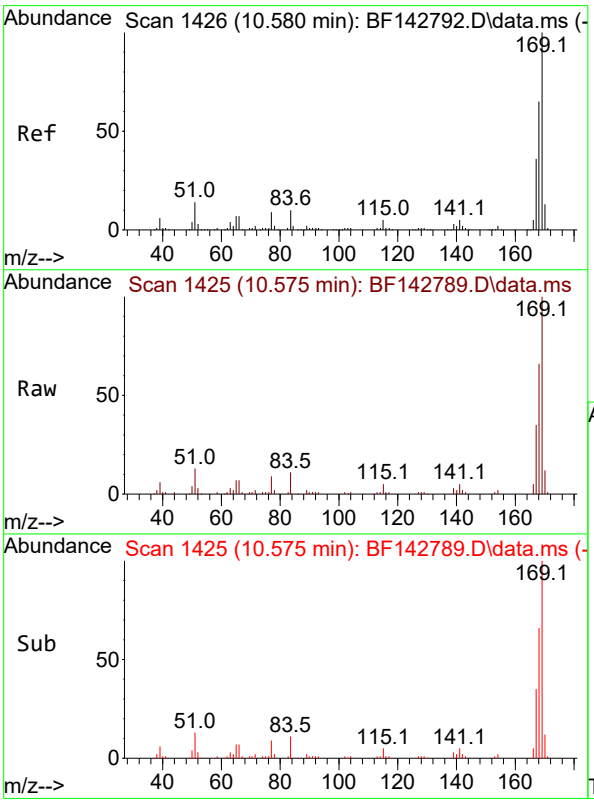
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:188 Resp: 277233

Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.7	10.1
80	8.3	6.9	10.3

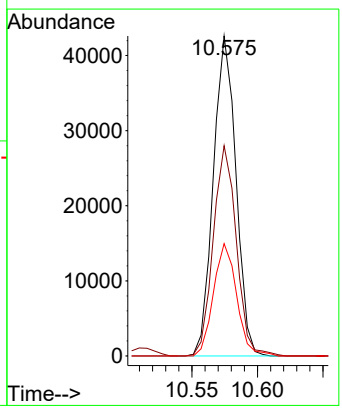


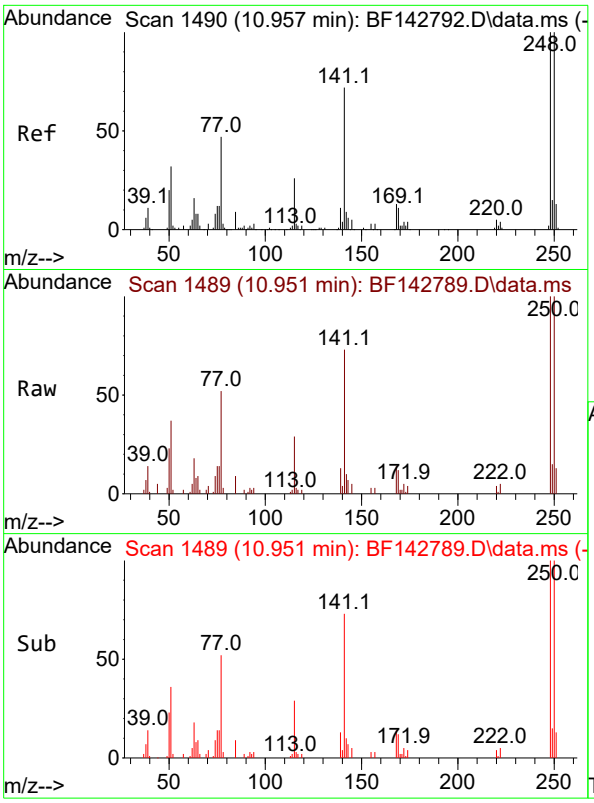


#66
n-Nitrosodiphenylamine
Concen: 5.356 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:169 Resp: 51021

Ion	Ratio	Lower	Upper
169	100		
168	65.7	51.9	77.9
167	35.1	28.5	42.7



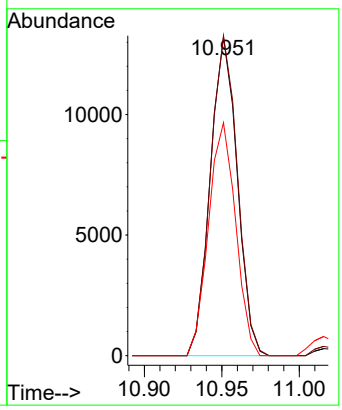


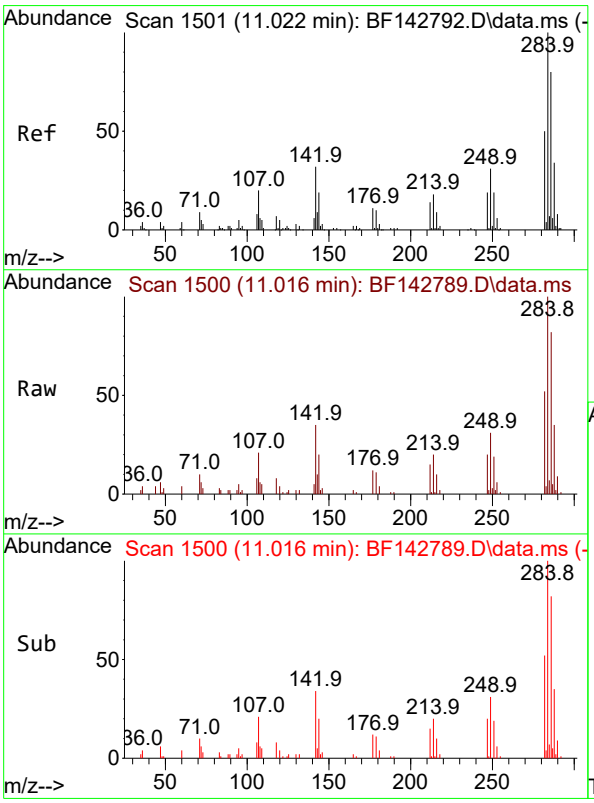
#67
4-Bromophenyl-phenylether
Concen: 4.927 ng
RT: 10.951 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:248 Resp: 15996

Ion	Ratio	Lower	Upper
248	100		
250	100.4	79.8	119.8
141	73.1	57.8	86.6

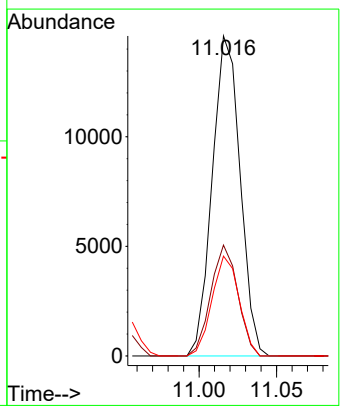


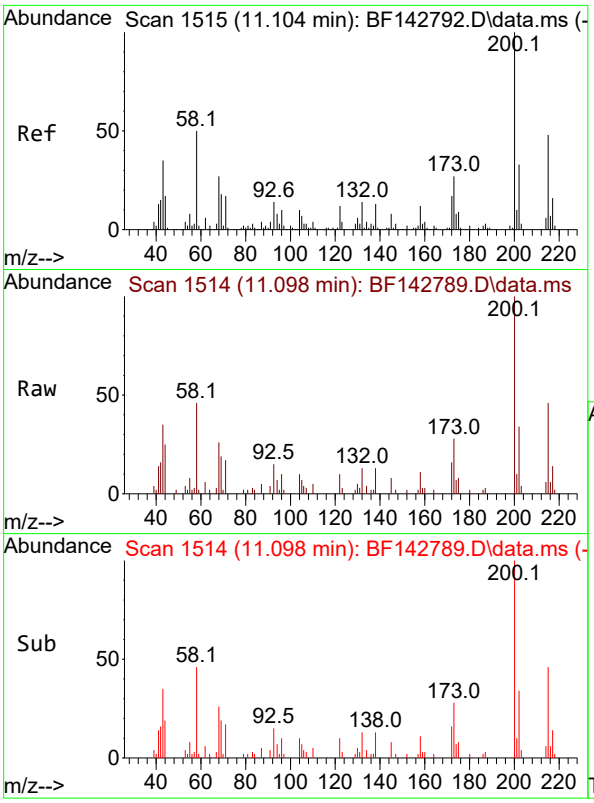


#68
Hexachlorobenzene
Concen: 5.059 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:284 Resp: 18237

Ion	Ratio	Lower	Upper
284	100		
142	34.6	25.5	38.3
249	31.2	24.9	37.3



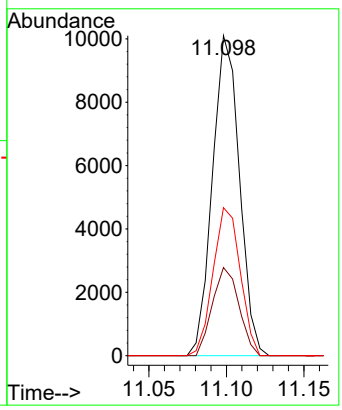


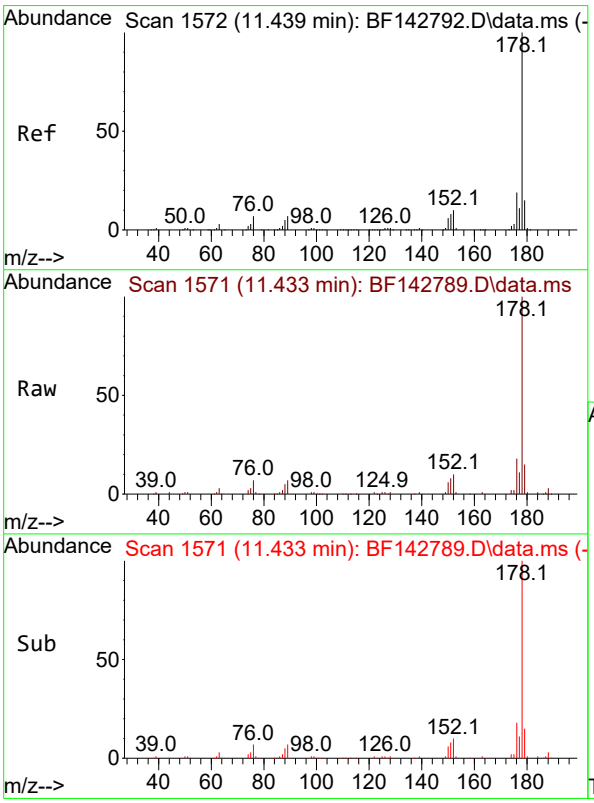
#69
Atrazine
Concen: 4.832 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:200 Resp: 12221

Ion	Ratio	Lower	Upper
200	100		
173	27.6	7.4	47.4
215	46.2	28.4	68.4

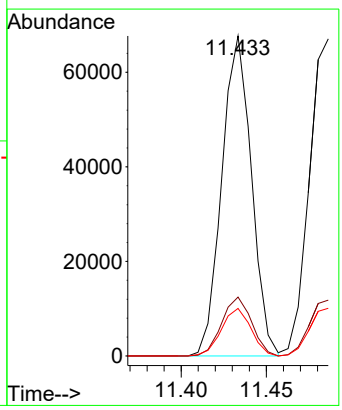


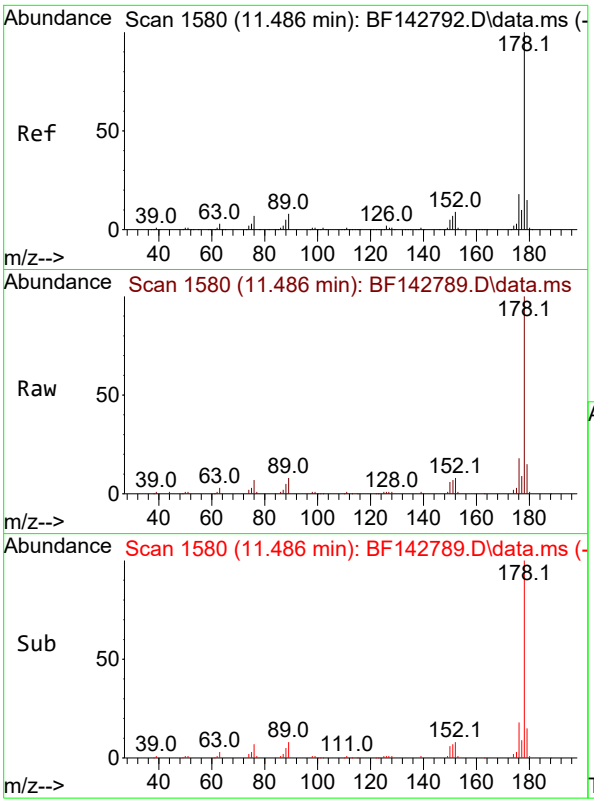


#71
Phenanthrene
Concen: 5.522 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:178 Resp: 81962

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.1	22.7
179	14.8	12.0	18.0



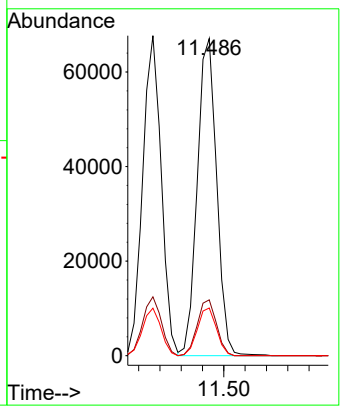


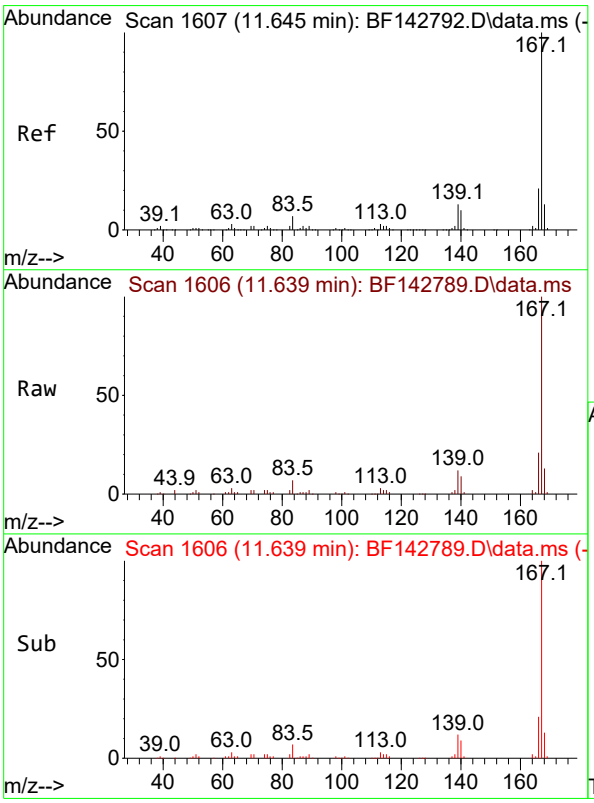
#72
Anthracene
Concen: 5.529 ng
RT: 11.486 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 84944

Ion	Ratio	Lower	Upper
178	100		
176	17.6	14.6	21.8
179	15.1	12.4	18.6

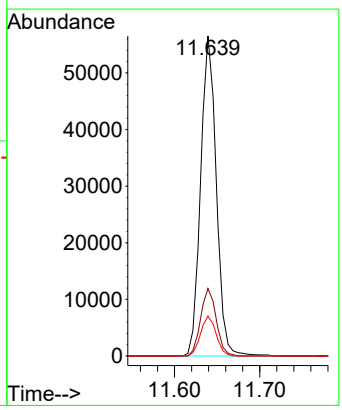


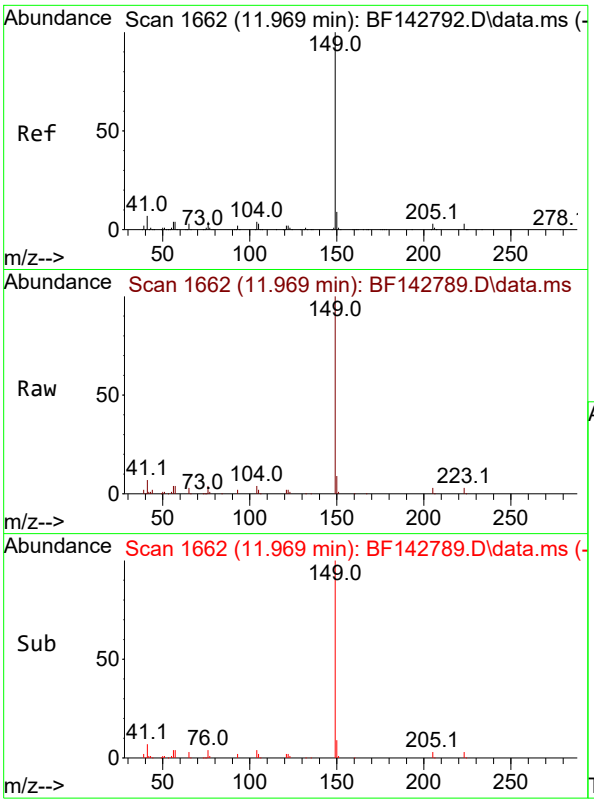


#73
Carbazole
Concen: 5.601 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:167 Resp: 72067

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.4
139	12.5	10.2	15.2



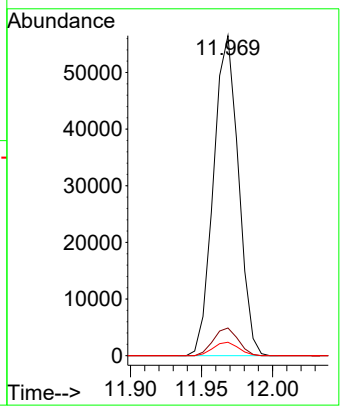


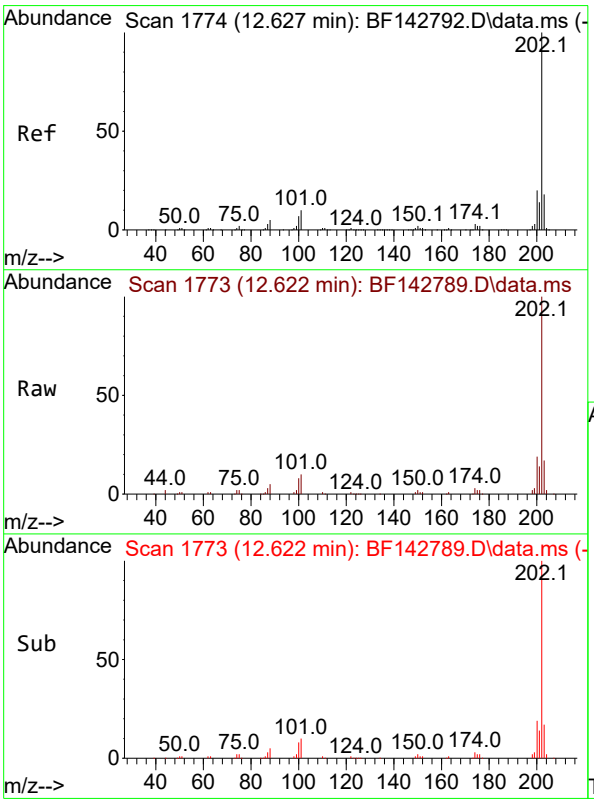
#74
Di-n-butylphthalate
Concen: 4.850 ng
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 69083

Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.4	11.0
104	4.2	3.5	5.3

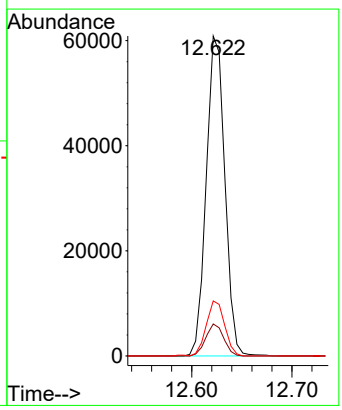


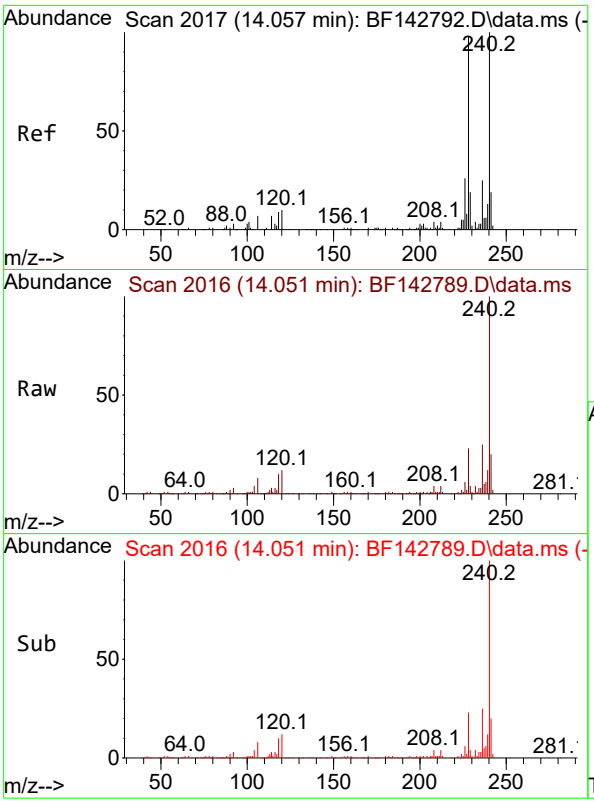


#75
Fluoranthene
Concen: 5.582 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:202 Resp: 78721

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	29.7
203	17.2	0.0	37.5



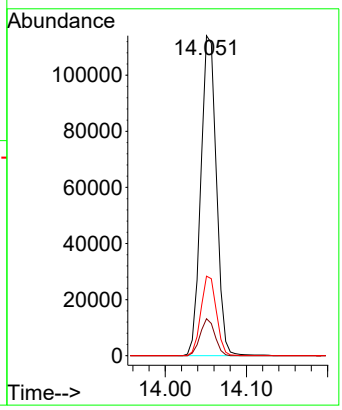


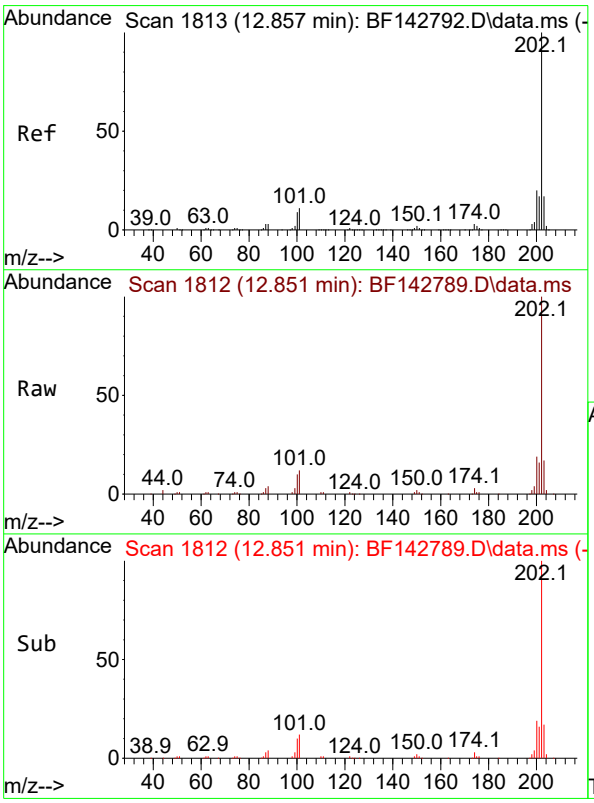
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:240 Resp: 151689

Ion	Ratio	Lower	Upper
240	100		
120	11.5	8.2	12.2
236	24.9	19.8	29.8

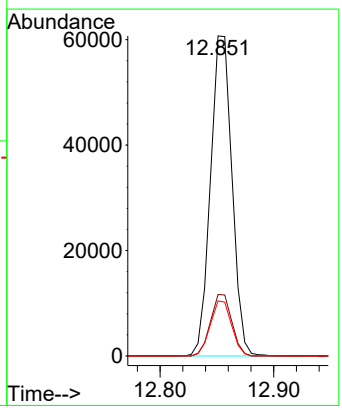


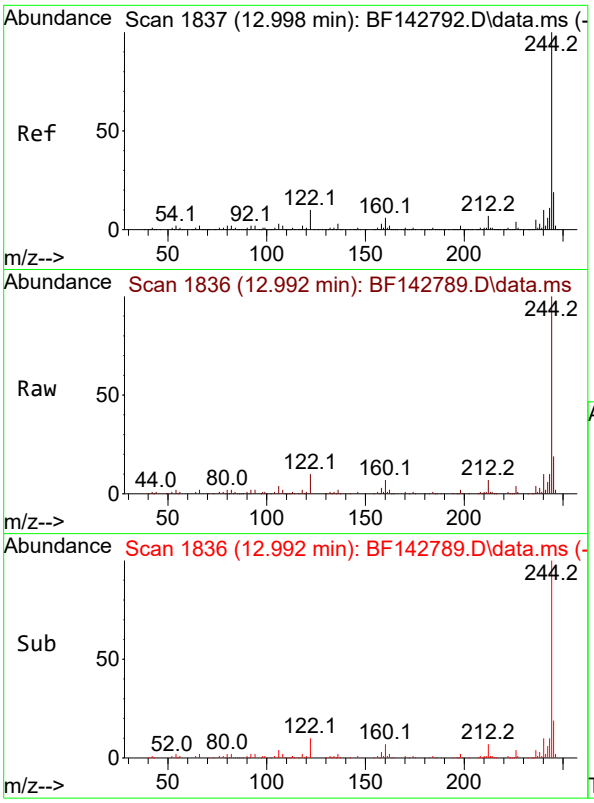


#78
Pyrene
Concen: 5.739 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:202 Resp: 80026

Ion	Ratio	Lower	Upper
202	100		
200	19.2	15.7	23.5
203	17.2	13.8	20.6



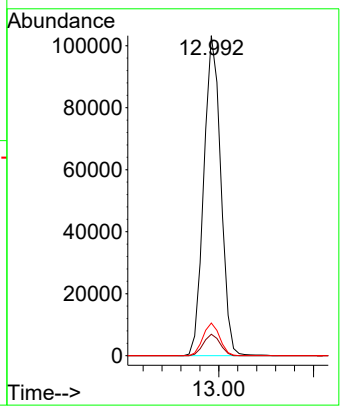


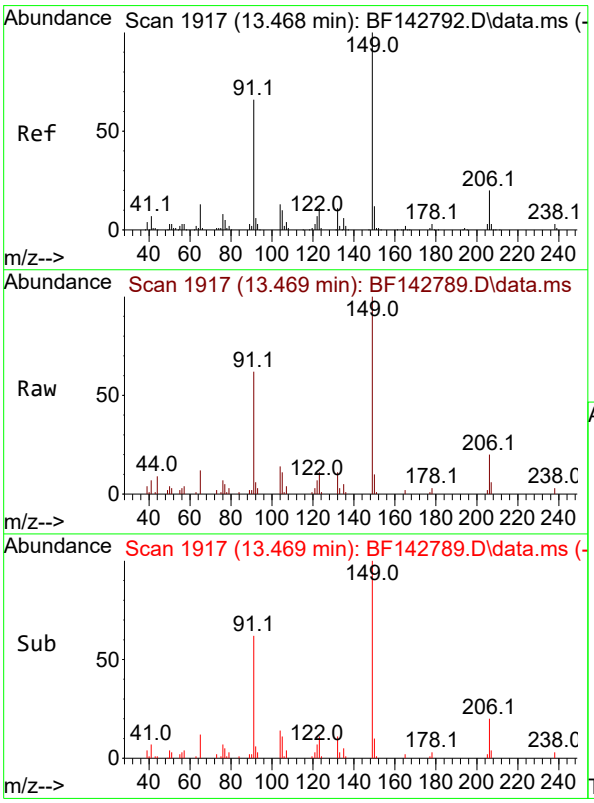
#79
Terphenyl-d14
Concen: 11.771 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:244 Resp: 128289

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.2	8.2	12.2

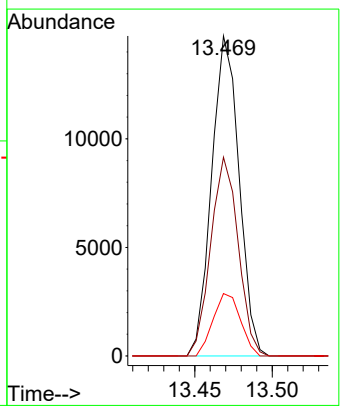


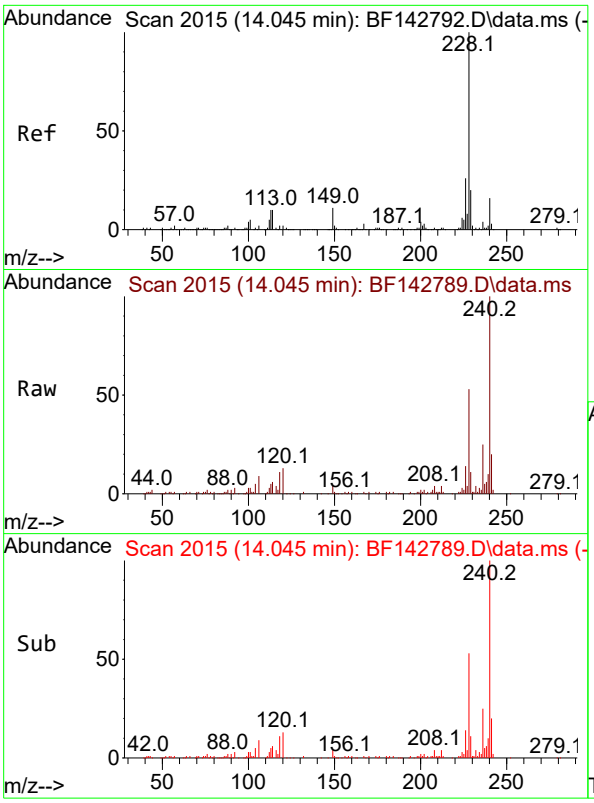


#80
Butylbenzylphthalate
Concen: 4.383 ng
RT: 13.469 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:149 Resp: 18113

Ion	Ratio	Lower	Upper
149	100		
91	62.1	52.9	79.3
206	19.5	16.3	24.5



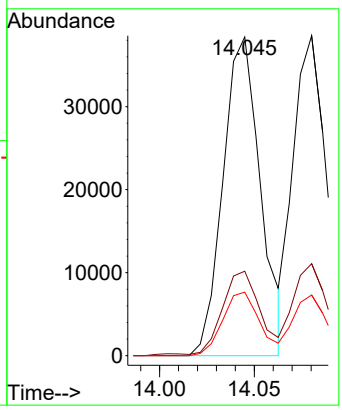


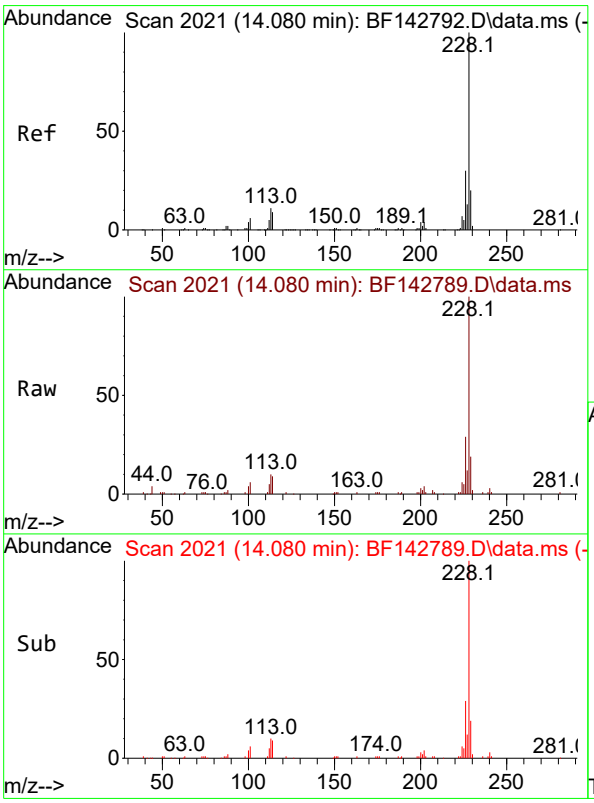
#81
Benzo(a)anthracene
Concen: 5.300 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 52785

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.2	31.8
229	19.9	15.6	23.4

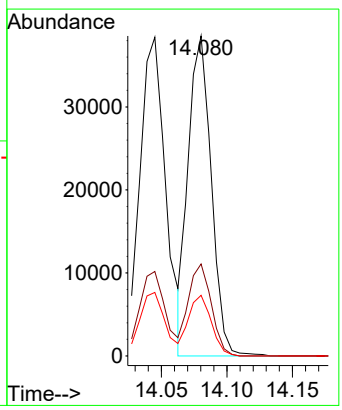


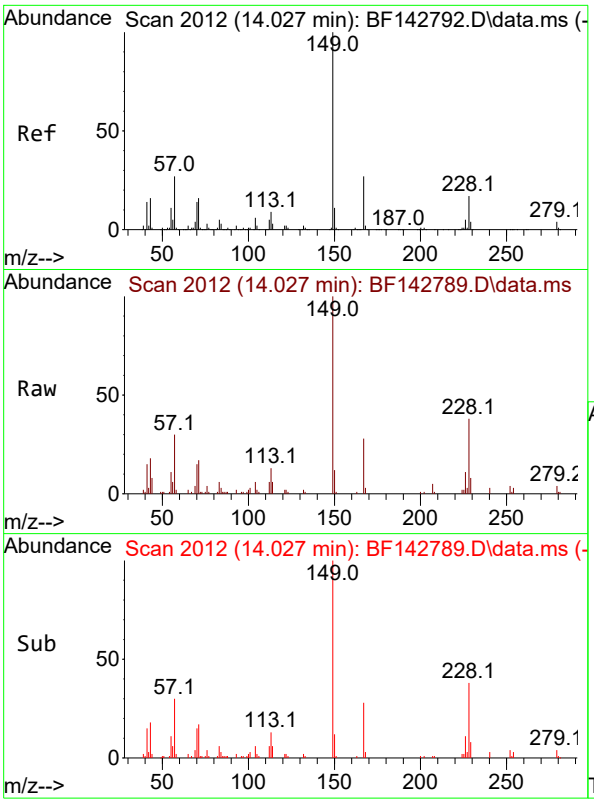


#83
Chrysene
Concen: 5.084 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:228 Resp: 47142

Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.7	35.5
229	18.9	15.7	23.5



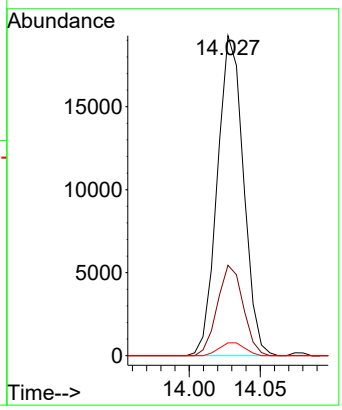


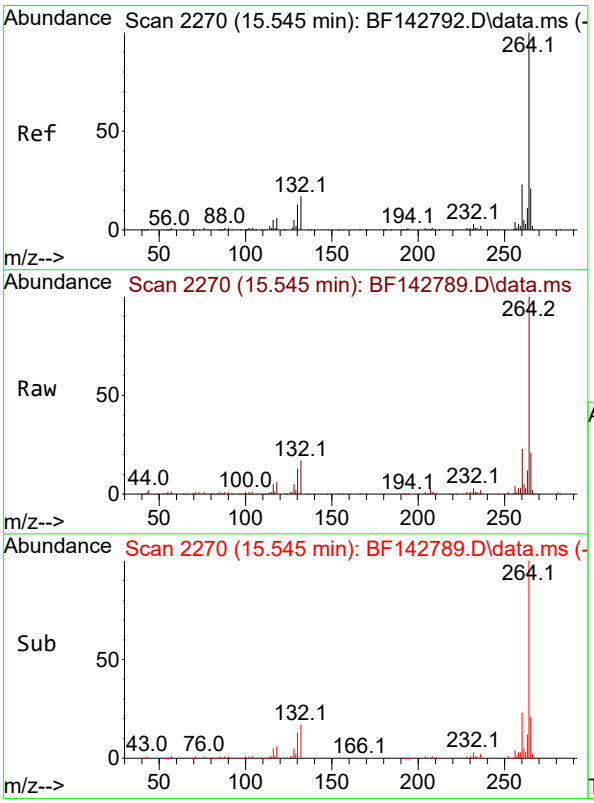
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.002 ng
RT: 14.027 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 24641

Ion	Ratio	Lower	Upper
149	100		
167	28.3	21.4	32.0
279	4.0	3.0	4.6

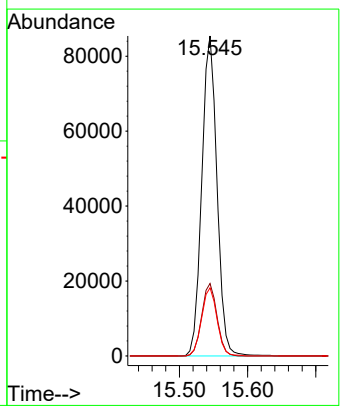


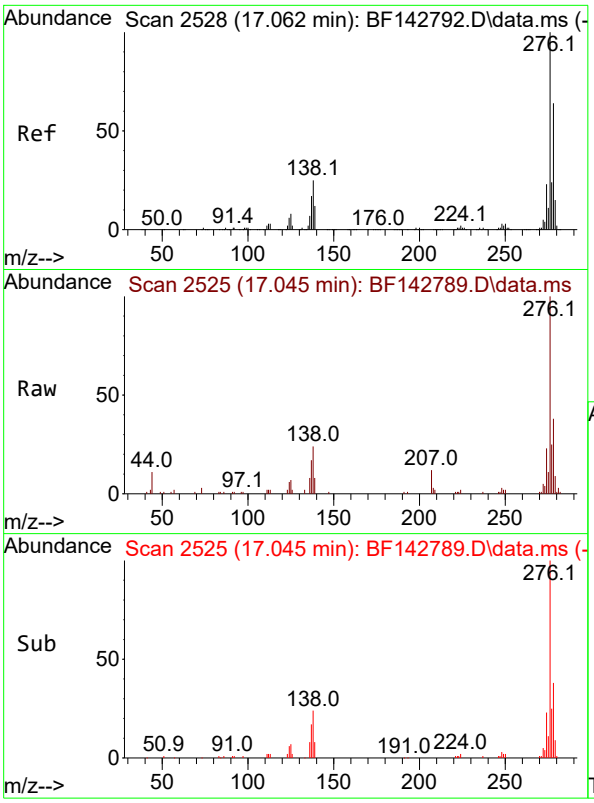


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:264 Resp: 132284

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.1	27.1
265	21.3	16.6	25.0



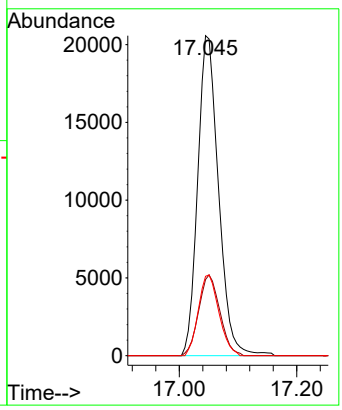


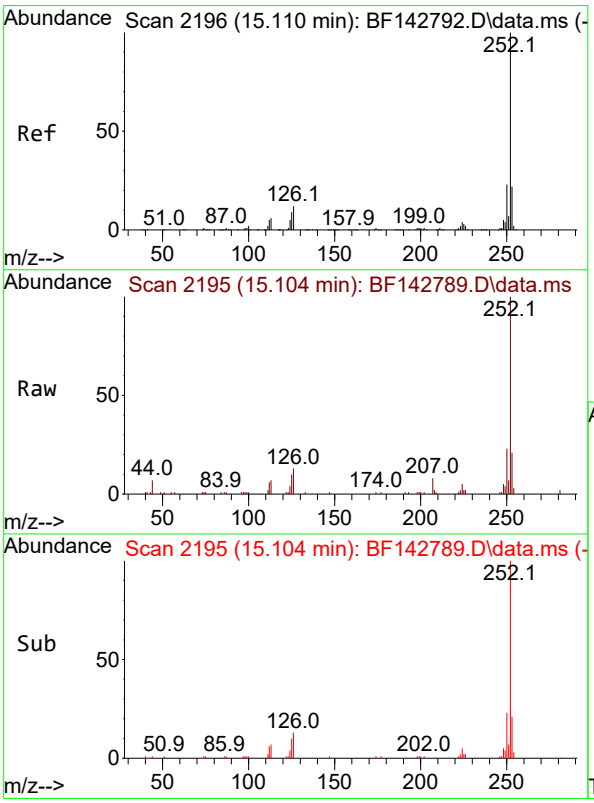
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.168 ng
RT: 17.045 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 50546

Ion	Ratio	Lower	Upper
276	100		
138	25.7	20.2	30.4
277	24.9	19.8	29.6

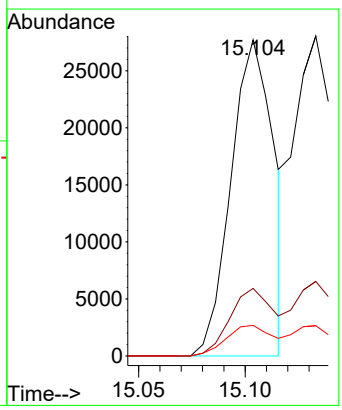


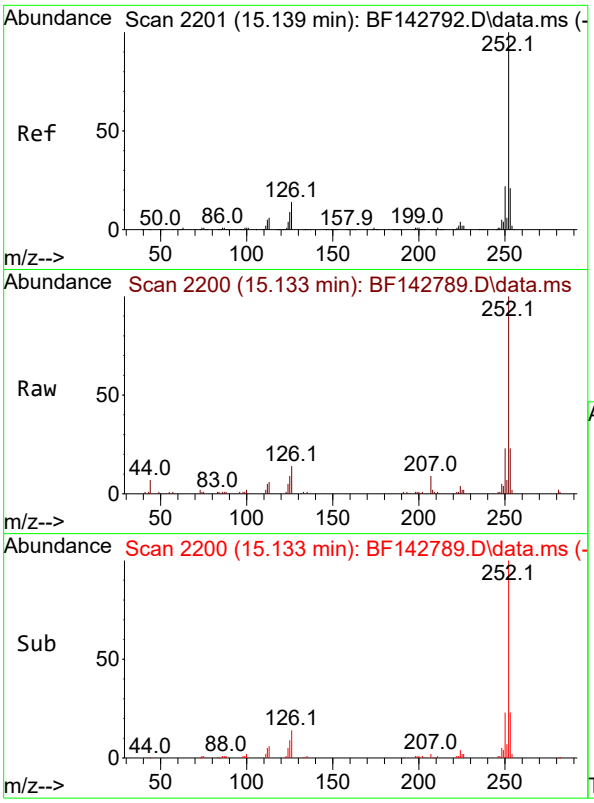


#88
Benzo(b)fluoranthene
Concen: 4.996 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:252 Resp: 38493

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.5	26.3
125	9.7	7.4	11.0



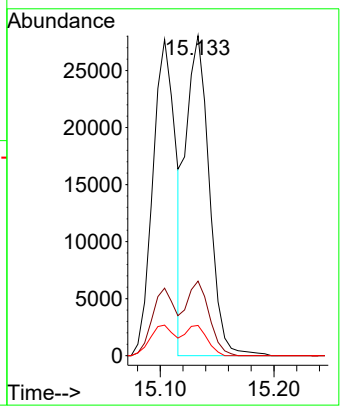


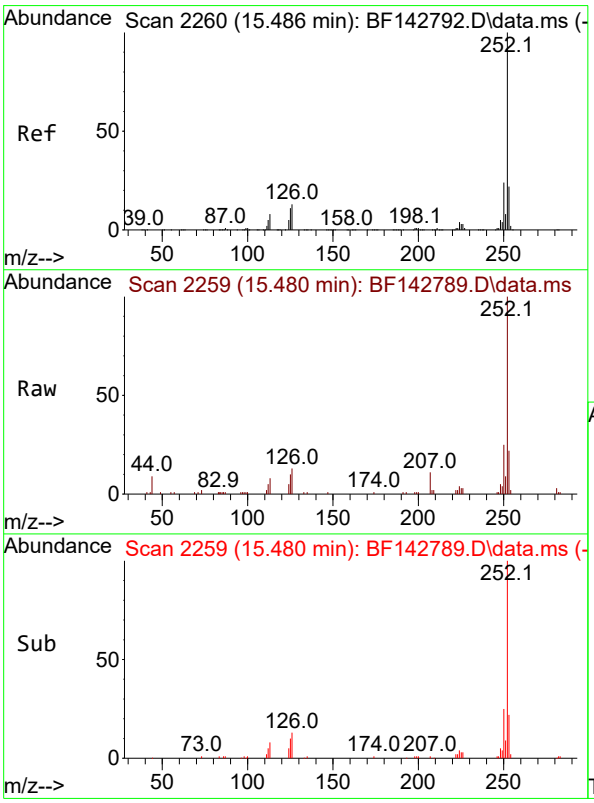
#89
Benzo(k)fluoranthene
Concen: 5.302 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 39874

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	9.4	7.4	11.2

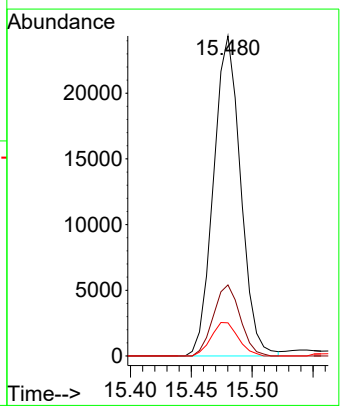


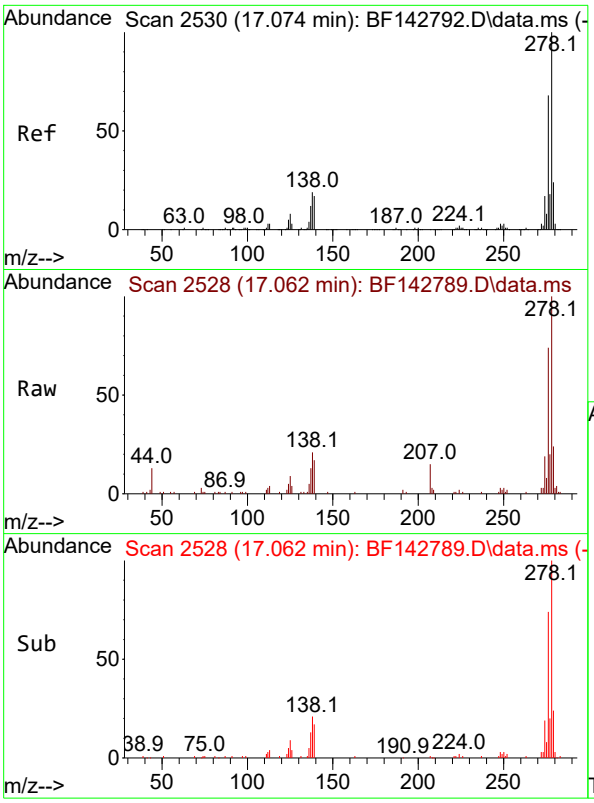


#90
Benzo(a)pyrene
Concen: 5.124 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:252 Resp: 37779

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	10.3	8.6	12.8



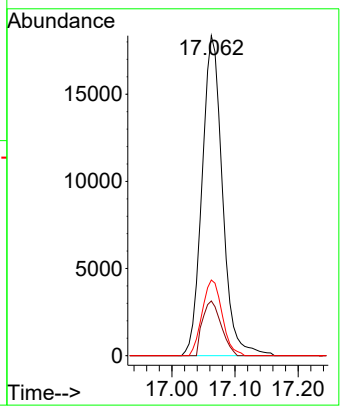


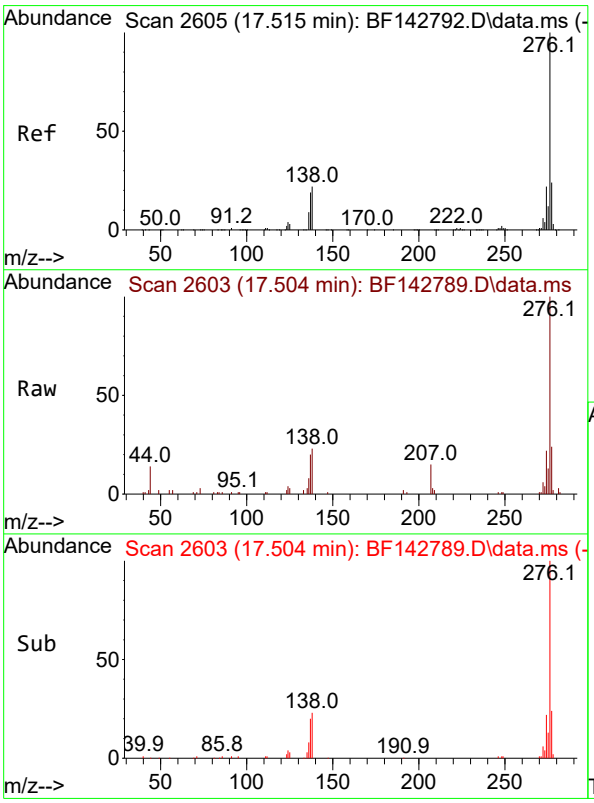
#91
Dibenzo(a,h)anthracene
Concen: 5.194 ng
RT: 17.062 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 41301

Ion	Ratio	Lower	Upper
278	100		
139	17.1	13.5	20.3
279	23.6	18.8	28.2

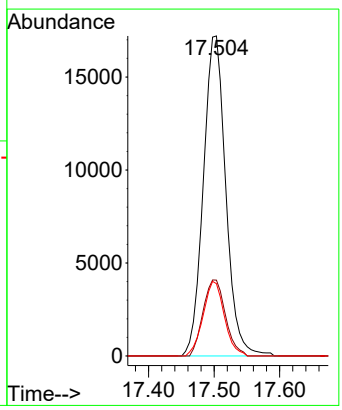




#92
Benzo(g,h,i)perylene
Concen: 5.165 ng
RT: 17.504 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:276 Resp: 40975

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.8	28.2
138	22.6	17.6	26.4



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142790.D
Acq On : 19 Jun 2025 18:08
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Jun 20 04:38:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	76918	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	299903	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	158336	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	273084	20.000	ng	0.00
76) Chrysene-d12	14.057	240	152374	20.000	ng	0.00
86) Perylene-d12	15.545	264	140417	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	94601	20.977	ng	0.00
7) Phenol-d6	6.504	99	113910	21.510	ng	0.00
23) Nitrobenzene-d5	7.440	82	108508	19.832	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	32767	19.042	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	259052	21.765	ng	0.00
79) Terphenyl-d14	12.992	244	237037	21.651	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.640	88	19183	10.712	ng	98
3) Pyridine	3.416	79	45966	10.252	ng	98
4) n-Nitrosodimethylamine	3.346	42	23459	10.216	ng	99
6) Aniline	6.540	93	74779	10.537	ng	100
8) 2-Chlorophenol	6.663	128	50128	10.208	ng	99
9) Benzaldehyde	6.428	77	37993	11.768	ng	98
10) Phenol	6.516	94	63585	10.769	ng	95
11) bis(2-Chloroethyl)ether	6.610	93	43585	9.950	ng	99
12) 1,3-Dichlorobenzene	6.822	146	57659	10.312	ng	97
13) 1,4-Dichlorobenzene	6.898	146	57522	10.149	ng	99
14) 1,2-Dichlorobenzene	7.051	146	54672	10.091	ng	99
15) Benzyl Alcohol	7.016	79	39348	9.927	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	71897	10.417	ng	99
17) 2-Methylphenol	7.128	107	38357	10.217	ng	98
18) Hexachloroethane	7.393	117	20035	9.889	ng	97
19) n-Nitroso-di-n-propyla...	7.281	70	32293	9.670	ng	98
20) 3+4-Methylphenols	7.281	107	49675	10.513	ng	91
22) Acetophenone	7.287	105	67666	10.197	ng	98
24) Nitrobenzene	7.457	77	48789	10.034	ng	99
25) Isophorone	7.698	82	87205	9.504	ng	99
26) 2-Nitrophenol	7.781	139	25734	9.498	ng	99
27) 2,4-Dimethylphenol	7.810	122	46454	10.071	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	55907	9.788	ng	100
29) 2,4-Dichlorophenol	8.022	162	41925	9.861	ng	97
30) 1,2,4-Trichlorobenzene	8.104	180	47419	10.097	ng	99
31) Naphthalene	8.187	128	150265	10.188	ng	100
32) Benzoic acid	7.887	122	17708	6.919	ng	90
33) 4-Chloroaniline	8.234	127	61190	10.352	ng	98
34) Hexachlorobutadiene	8.304	225	28192	9.473	ng	100
35) Caprolactam	8.569	113	10933	9.557	ng	98
36) 4-Chloro-3-methylphenol	8.710	107	41204	9.382	ng	98
37) 2-Methylnaphthalene	8.875	142	93078	10.003	ng	98
38) 1-Methylnaphthalene	8.975	142	96673	10.007	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	48175	10.540	ng	98
41) Hexachlorocyclopentadiene	9.028	237	18602	6.436	ng	97
43) 2,4,6-Trichlorophenol	9.157	196	30118	10.182	ng	96

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142790.D
Acq On : 19 Jun 2025 18:08
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Jun 20 04:38:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

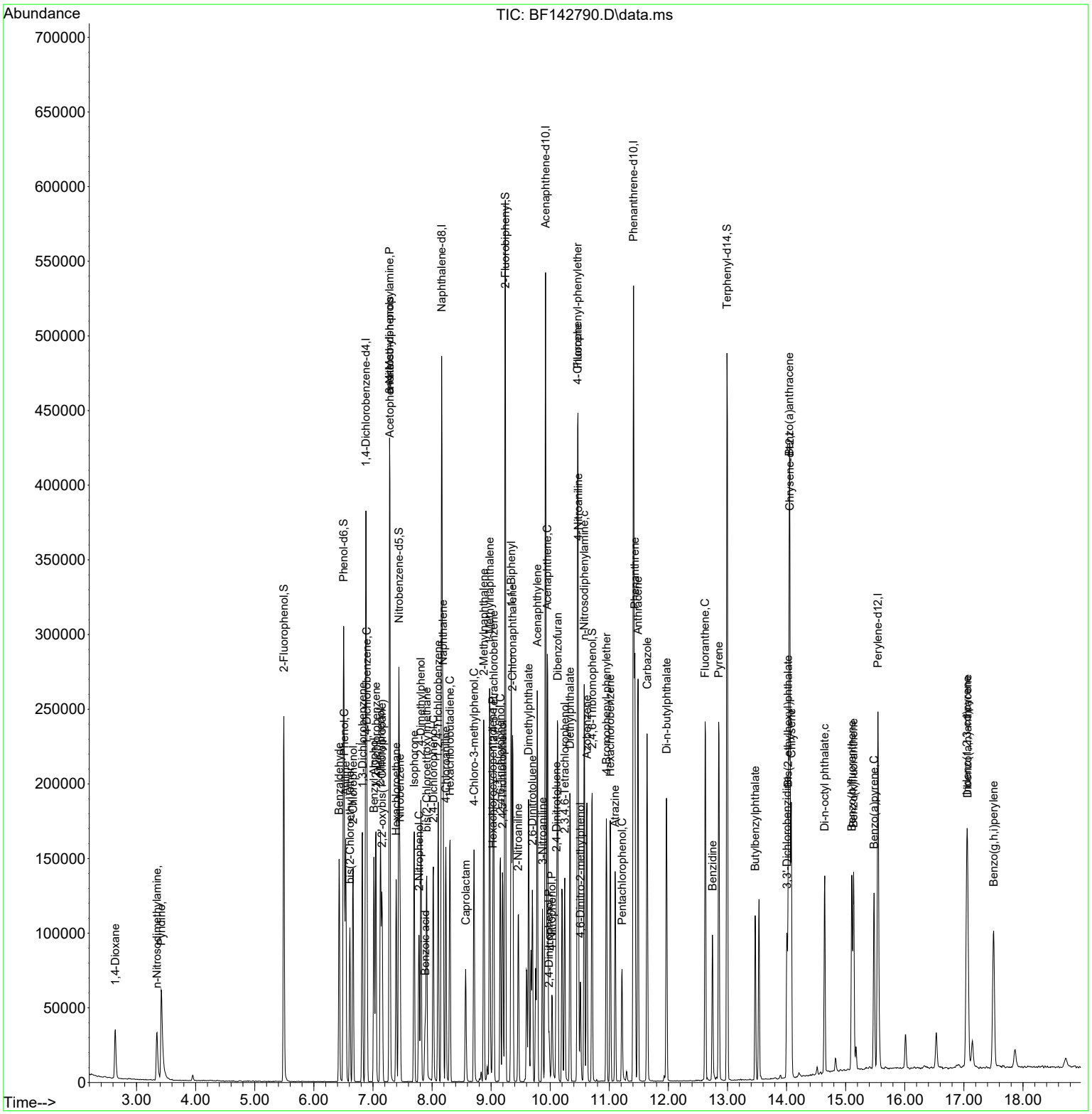
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	31900	9.987	ng	99
46) 1,1'-Biphenyl	9.339	154	127911	10.404	ng	98
47) 2-Chloronaphthalene	9.363	162	95194	10.493	ng	100
48) 2-Nitroaniline	9.457	65	26075	10.117	ng	98
49) Acenaphthylene	9.781	152	158842	10.415	ng	99
50) Dimethylphthalate	9.634	163	105636	10.058	ng	99
51) 2,6-Dinitrotoluene	9.698	165	22116	9.714	ng	97
52) Acenaphthene	9.951	154	94961	10.062	ng	98
53) 3-Nitroaniline	9.869	138	24651	9.968	ng	98
54) 2,4-Dinitrophenol	9.981	184	7521	6.104	ng	97
55) Dibenzofuran	10.128	168	140256	10.416	ng	97
56) 4-Nitrophenol	10.028	139	14986	8.927	ng	94
57) 2,4-Dinitrotoluene	10.104	165	29934	9.943	ng	99
58) Fluorene	10.469	166	111772	10.518	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	25885	9.666	ng	96
60) Diethylphthalate	10.334	149	103048	9.877	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	51958	10.067	ng	96
62) 4-Nitroaniline	10.475	138	21876	9.854	ng	98
63) Azobenzene	10.622	77	90965	9.977	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	13545	7.982	ng	91
66) n-Nitrosodiphenylamine	10.575	169	93632	9.978	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	30145	9.425	ng	97
68) Hexachlorobenzene	11.016	284	33838	9.530	ng	98
69) Atrazine	11.098	200	23423	9.401	ng	98
70) Pentachlorophenol	11.216	266	13894	7.534	ng	96
71) Phenanthrene	11.433	178	151997	10.396	ng	100
72) Anthracene	11.486	178	153376	10.135	ng	99
73) Carbazole	11.639	167	134656	10.625	ng	99
74) Di-n-butylphthalate	11.969	149	137293	9.784	ng	99
75) Fluoranthene	12.622	202	148540	10.693	ng	98
77) Benzidine	12.745	184	56769	10.524	ng	98
78) Pyrene	12.851	202	147819	10.553	ng	100
80) Butylbenzylphthalate	13.469	149	35843	8.635	ng	100
81) Benzo(a)anthracene	14.045	228	103495	10.345	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	30349	9.368	ng	99
83) Chrysene	14.080	228	90725	9.741	ng	98
84) Bis(2-ethylhexyl)phtha...	14.027	149	51432	8.316	ng	99
85) Di-n-octyl phthalate	14.645	149	91989	7.805	ng	100
87) Indeno(1,2,3-cd)pyrene	17.051	276	104445	10.061	ng	100
88) Benzo(b)fluoranthene	15.104	252	85689	10.478	ng	99
89) Benzo(k)fluoranthene	15.133	252	70470	8.828	ng	99
90) Benzo(a)pyrene	15.480	252	74803	9.558	ng	99
91) Dibenzo(a,h)anthracene	17.062	278	85238	10.099	ng	99
92) Benzo(g,h,i)perylene	17.504	276	84115	9.989	ng	98

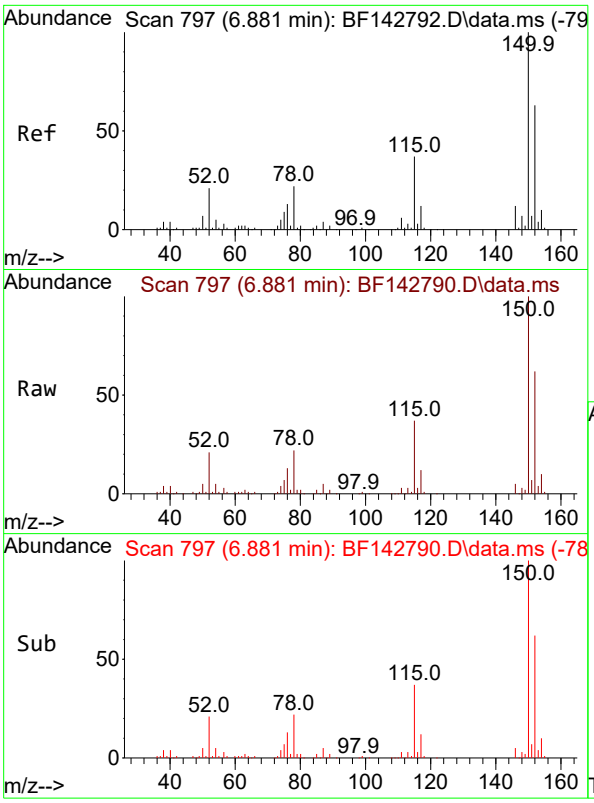
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142790.D
Acq On : 19 Jun 2025 18:08
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Jun 20 04:38:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



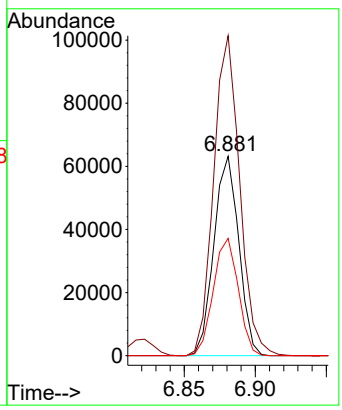


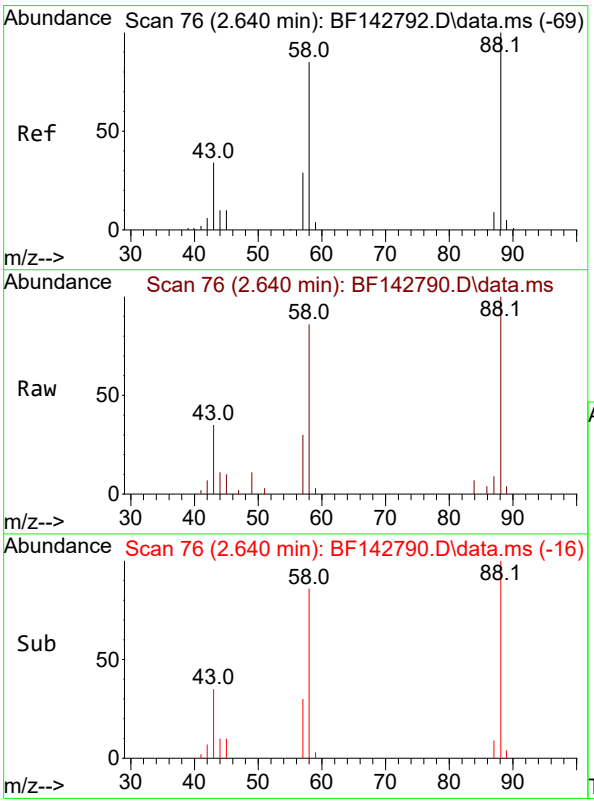
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 76918

Ion	Ratio	Lower	Upper
152	100		
150	160.5	127.2	190.8
115	58.8	46.6	69.8

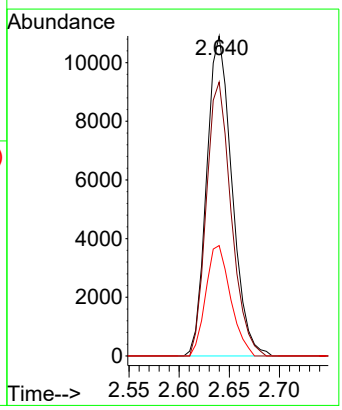


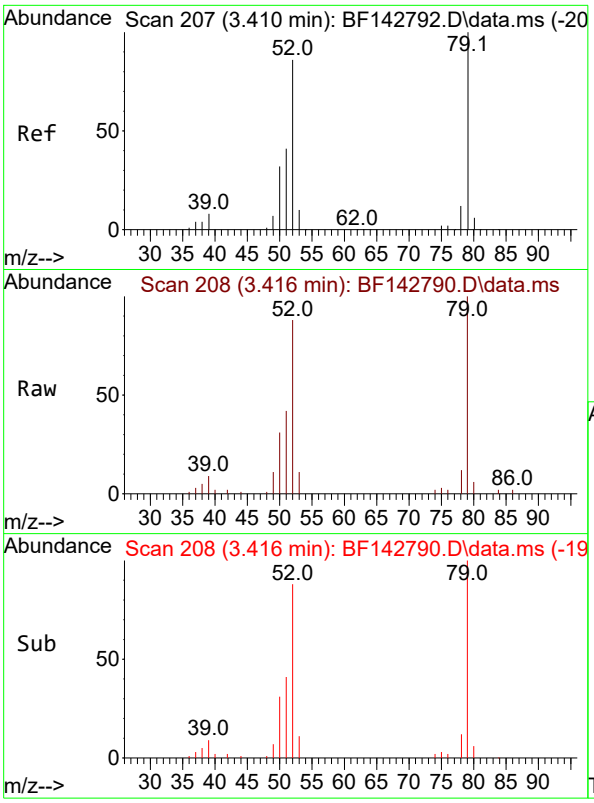


#2
1,4-Dioxane
Concen: 10.712 ng
RT: 2.640 min Scan# 76
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion: 88 Resp: 19183

Ion	Ratio	Lower	Upper
88	100		
58	83.9	69.1	103.7
43	33.7	27.4	41.2



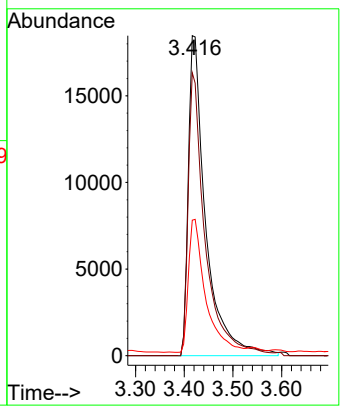


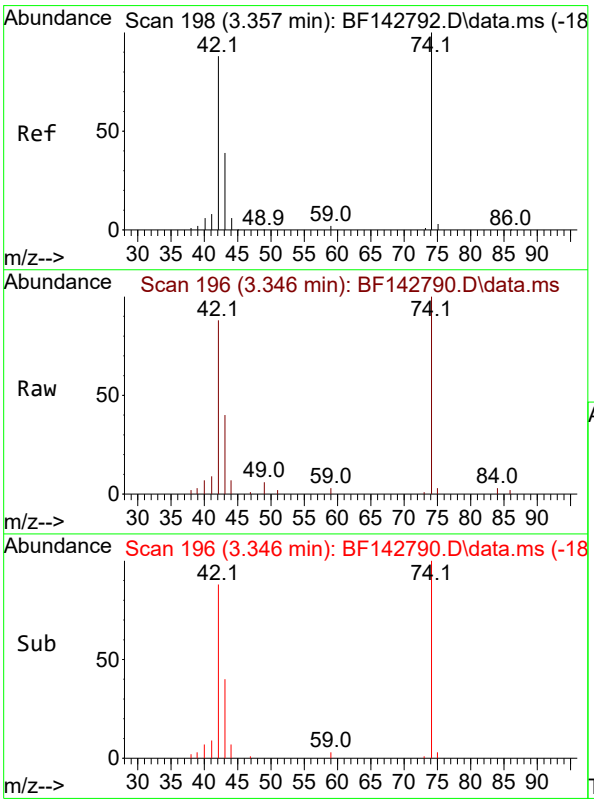
#3
Pyridine
Concen: 10.252 ng
RT: 3.416 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 45966

Ion	Ratio	Lower	Upper
79	100		
52	88.4	69.2	103.8
51	42.4	33.2	49.8

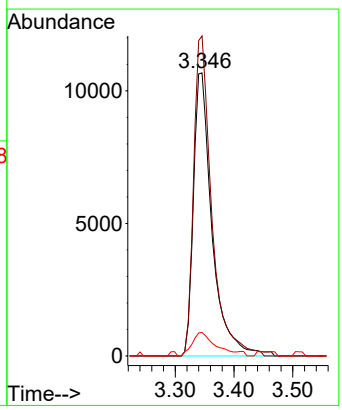


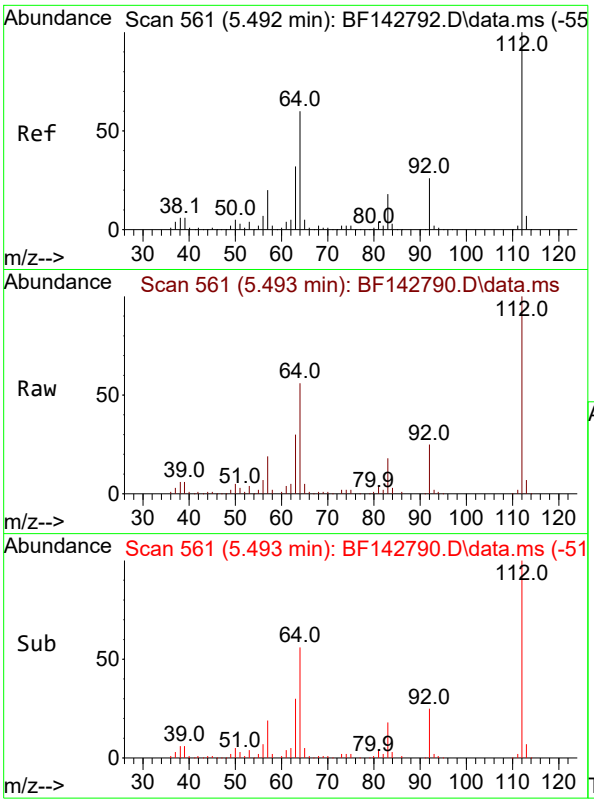


#4
n-Nitrosodimethylamine
Concen: 10.216 ng
RT: 3.346 min Scan# 196
Delta R.T. -0.012 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion: 42 Resp: 23459

Ion	Ratio	Lower	Upper
42	100		
74	113.1	90.9	136.3
44	8.3	5.8	8.6



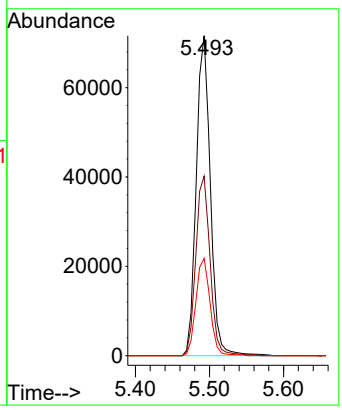


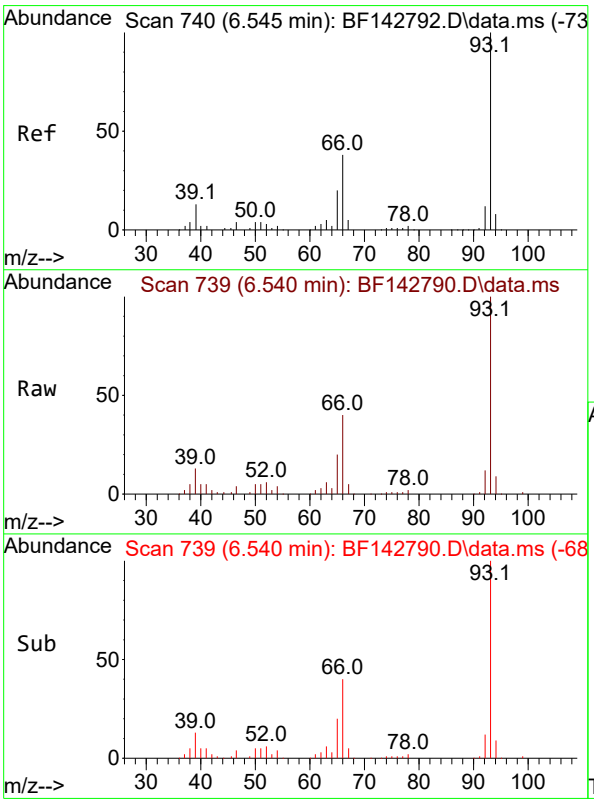
#5
2-Fluorophenol
Concen: 20.977 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 94601

Ion	Ratio	Lower	Upper
112	100		
64	56.1	48.2	72.2
63	30.4	25.7	38.5

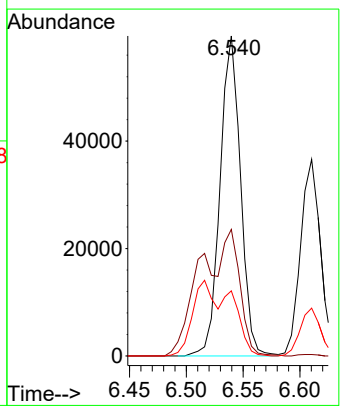


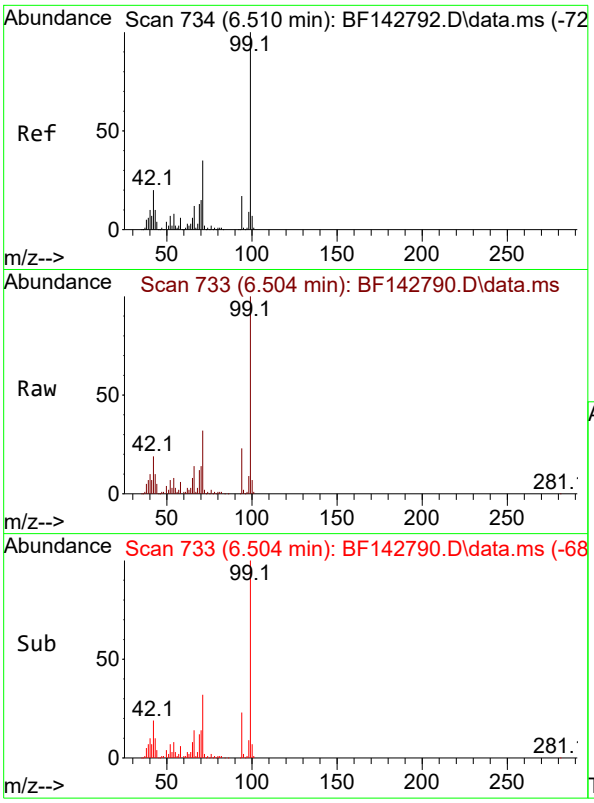


#6
Aniline
Concen: 10.537 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion: 93 Resp: 74779

Ion	Ratio	Lower	Upper
93	100		
66	39.6	31.8	47.6
65	20.4	16.2	24.2



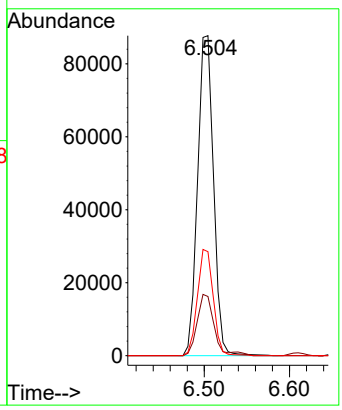


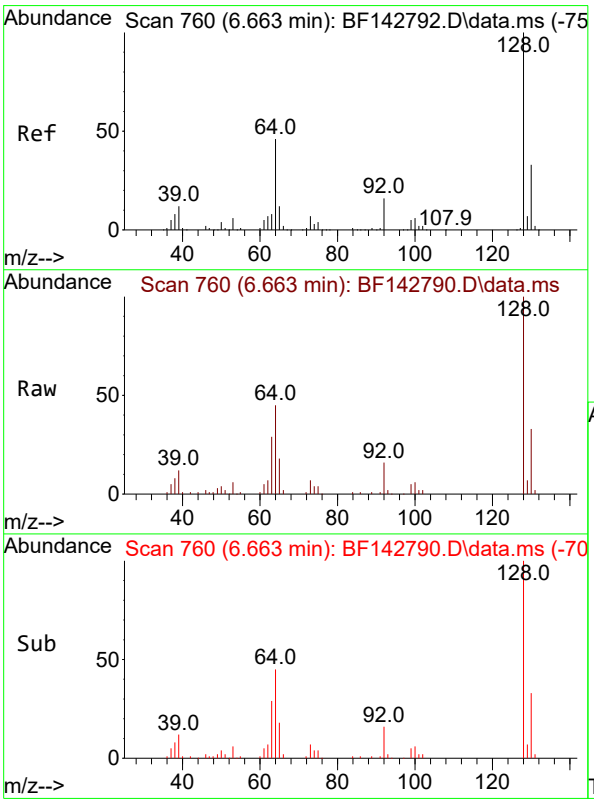
#7
Phenol-d6
Concen: 21.510 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 113910

Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.9	23.9
71	32.5	27.8	41.8

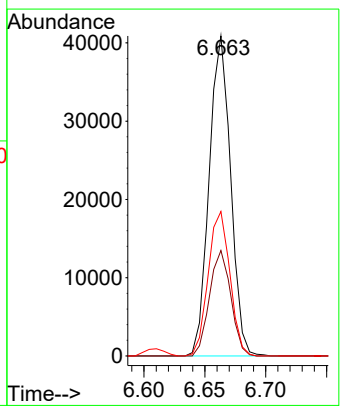


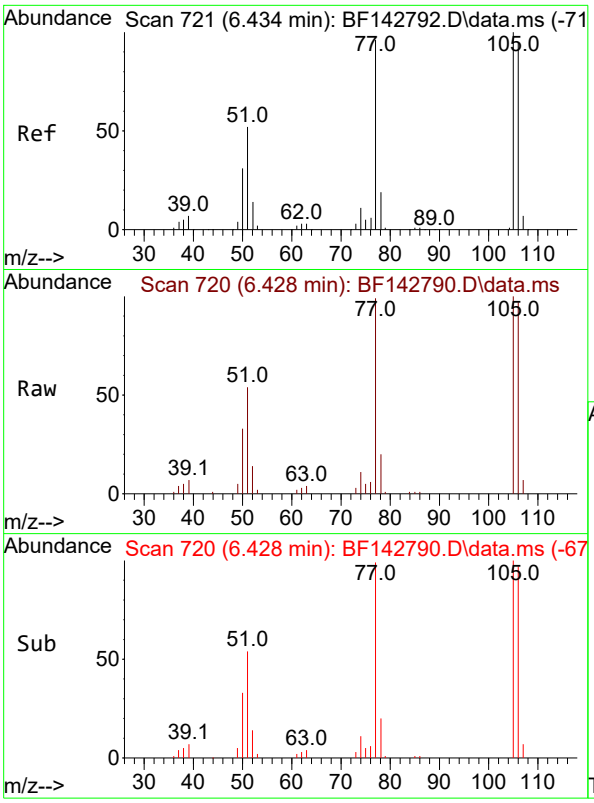


#8
2-Chlorophenol
Concen: 10.208 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:128 Resp: 50128

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.7	52.7
64	45.2	26.5	66.5



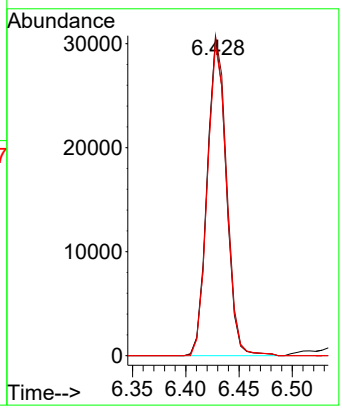


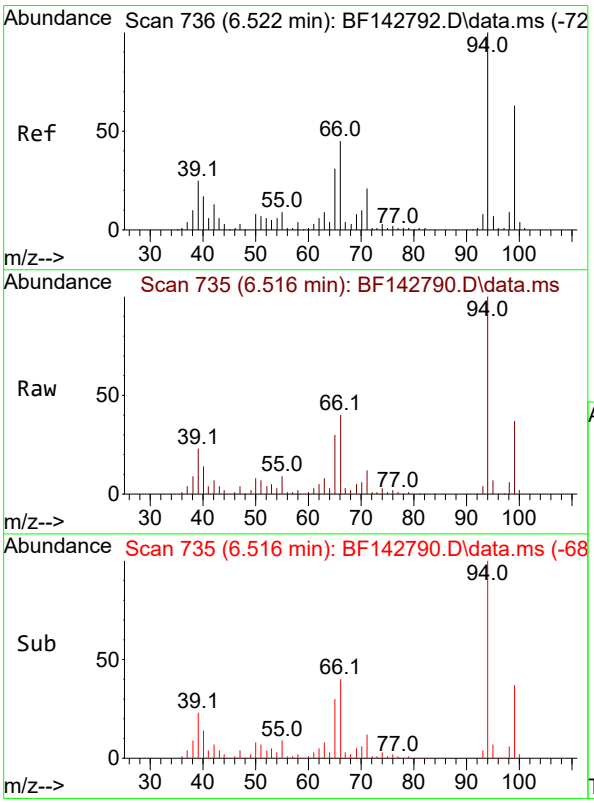
#9
Benzaldehyde
Concen: 11.768 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 37993

Ion	Ratio	Lower	Upper
77	100		
105	100.8	83.8	123.8
106	98.1	78.7	118.7

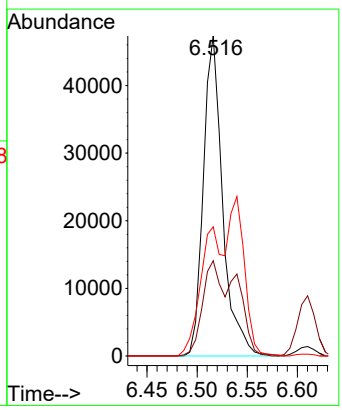


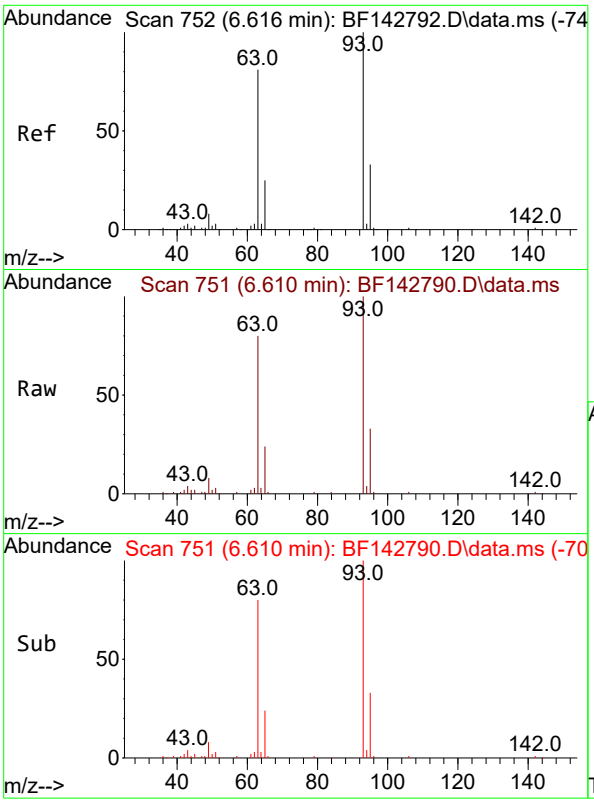


#10
Phenol
Concen: 10.769 ng
RT: 6.516 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion: 94 Resp: 63585

Ion	Ratio	Lower	Upper
94	100		
65	29.8	11.3	51.3
66	40.3	24.9	64.9



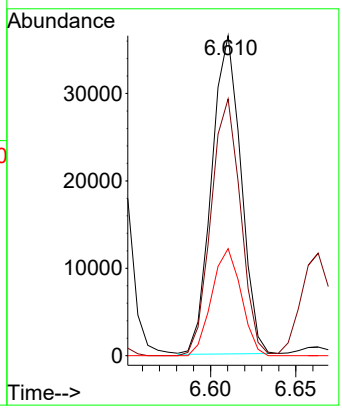


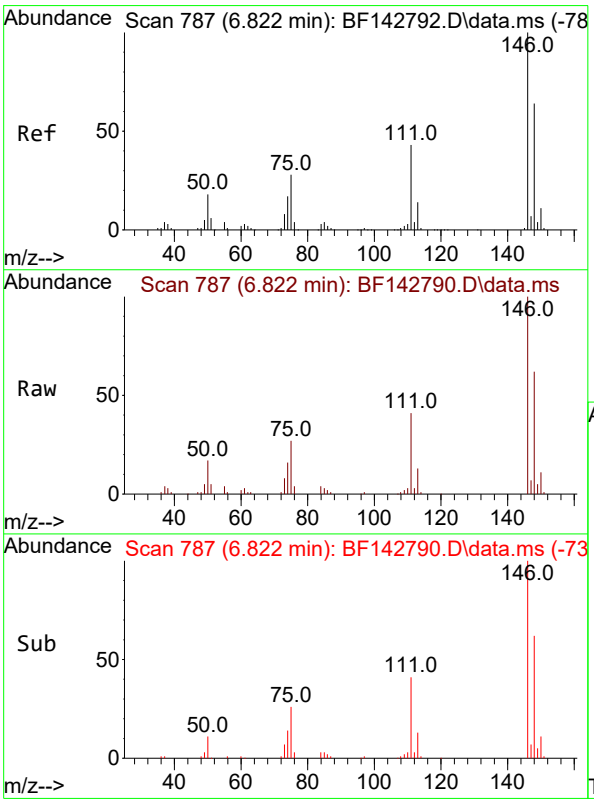
#11
bis(2-Chloroethyl)ether
Concen: 9.950 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 43585

Ion	Ratio	Lower	Upper
93	100		
63	80.2	60.3	100.3
95	33.5	12.5	52.5

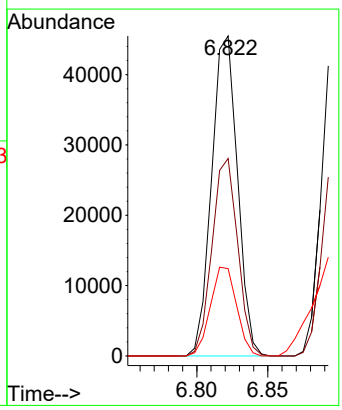


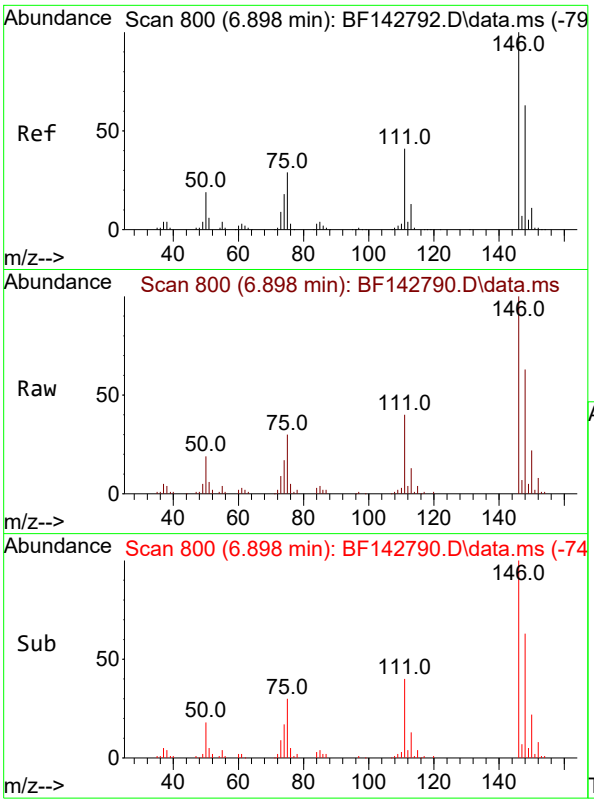


#12
1,3-Dichlorobenzene
Concen: 10.312 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:146 Resp: 57659

Ion	Ratio	Lower	Upper
146	100		
148	61.7	51.1	76.7
75	27.3	22.7	34.1



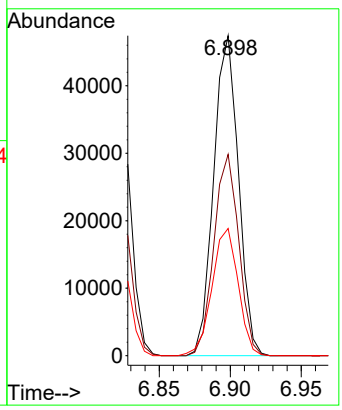


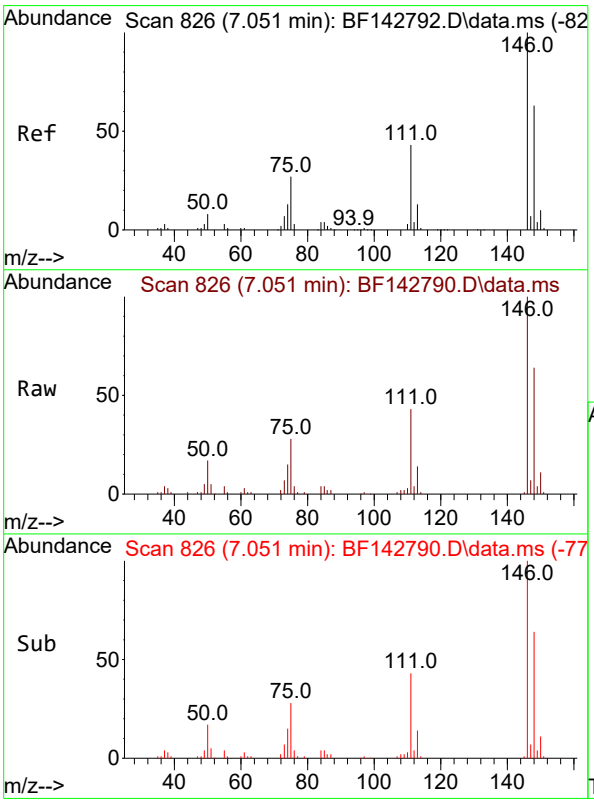
#13
1,4-Dichlorobenzene
Concen: 10.149 ng
RT: 6.898 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 57522

Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.2	75.2
111	39.8	33.2	49.8

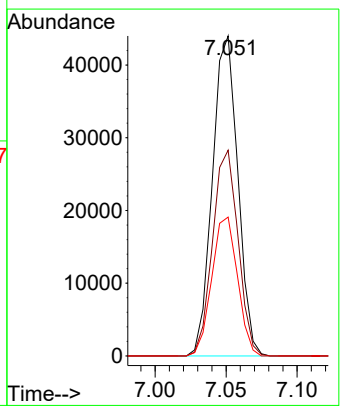


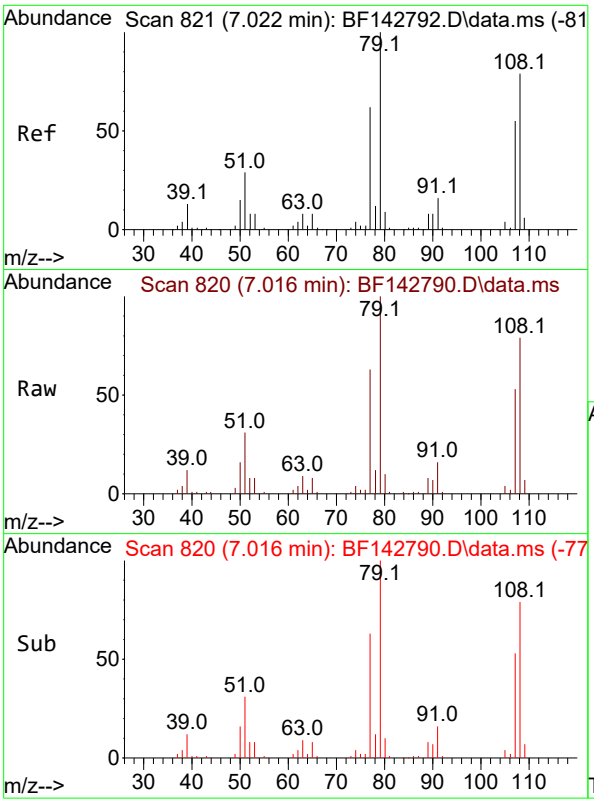


#14
1,2-Dichlorobenzene
Concen: 10.091 ng
RT: 7.051 min Scan# 826
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:146 Resp: 54672

Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.4	75.6
111	43.4	34.1	51.1



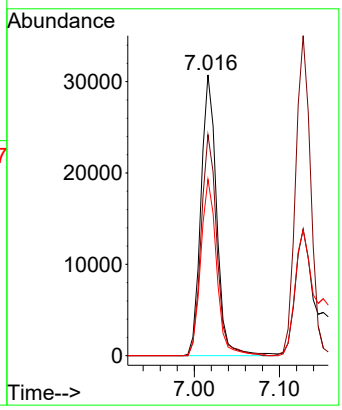


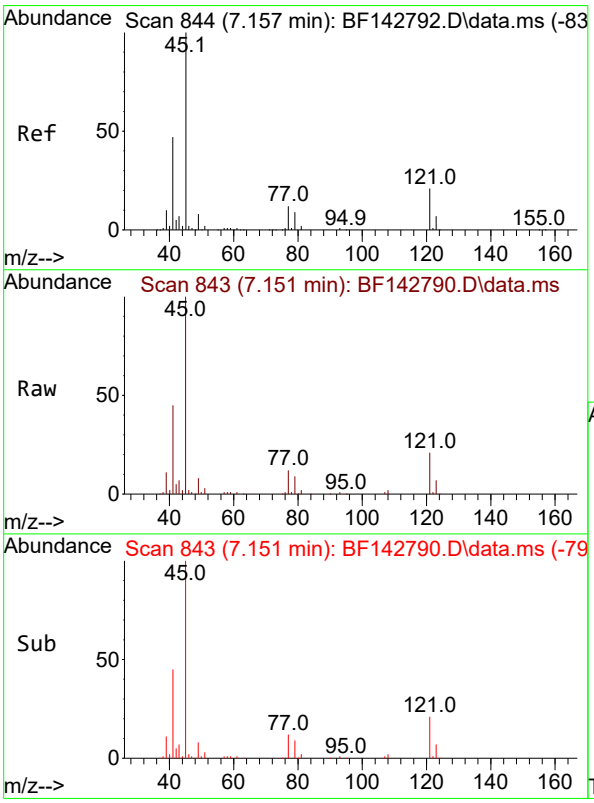
#15
Benzyl Alcohol
Concen: 9.927 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 39348

Ion	Ratio	Lower	Upper
79	100		
108	78.7	63.4	95.0
77	62.8	49.5	74.3

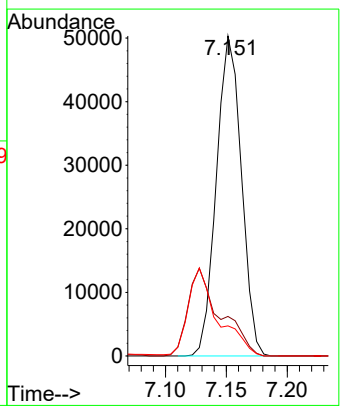


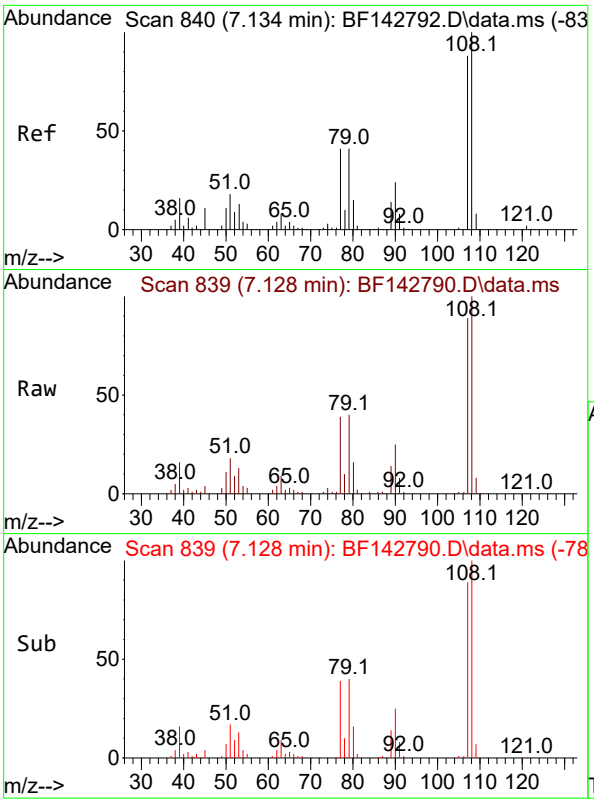


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.417 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion: 45 Resp: 71897

Ion	Ratio	Lower	Upper
45	100		
77	12.4	0.0	32.8
79	9.4	0.0	29.8



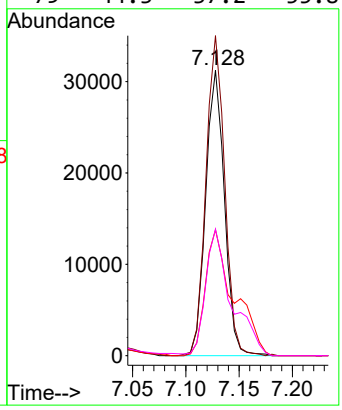


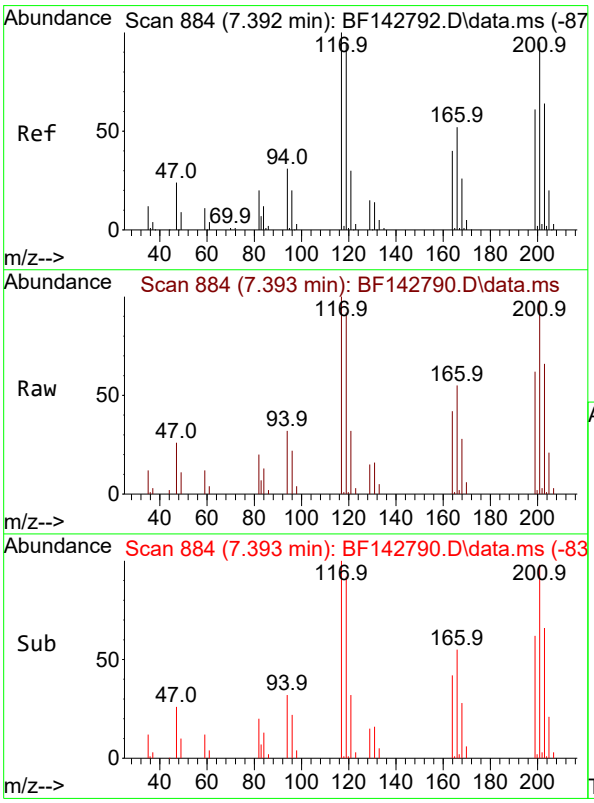
#17
2-Methylphenol
Concen: 10.217 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 38357

Ion	Ratio	Lower	Upper
107	100		
108	112.1	90.9	136.3
77	44.1	37.3	55.9
79	44.3	37.2	55.8

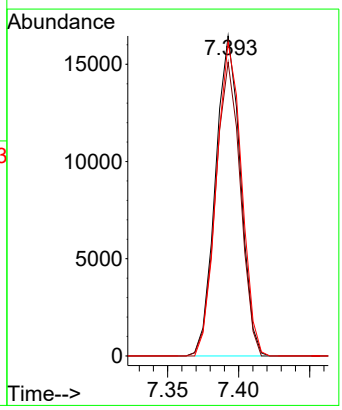


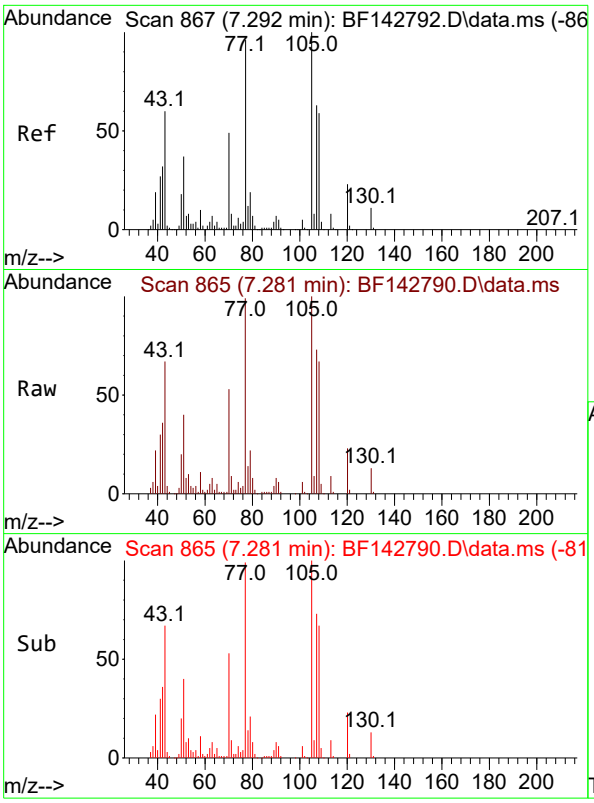


#18
Hexachloroethane
Concen: 9.889 ng
RT: 7.393 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:117 Resp: 20035

Ion	Ratio	Lower	Upper
117	100		
119	91.8	75.4	113.0
201	98.0	75.9	113.9



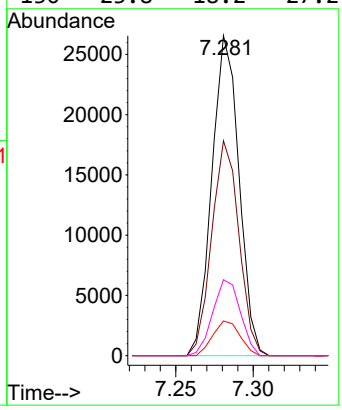


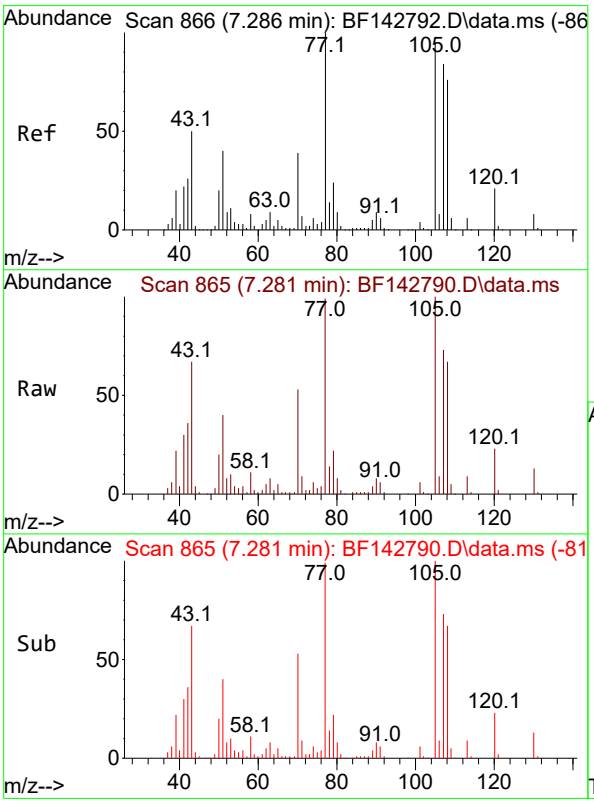
#19
n-Nitroso-di-n-propylamine
Concen: 9.670 ng
RT: 7.281 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 32293

Ion	Ratio	Lower	Upper
70	100		
42	67.1	52.1	78.1
101	10.9	8.2	12.2
130	23.8	18.2	27.2

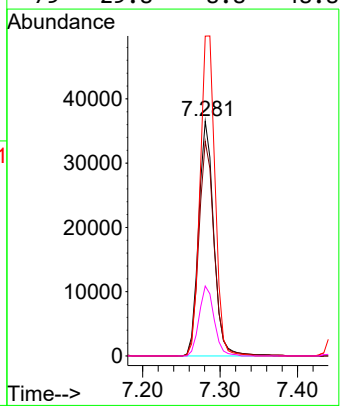


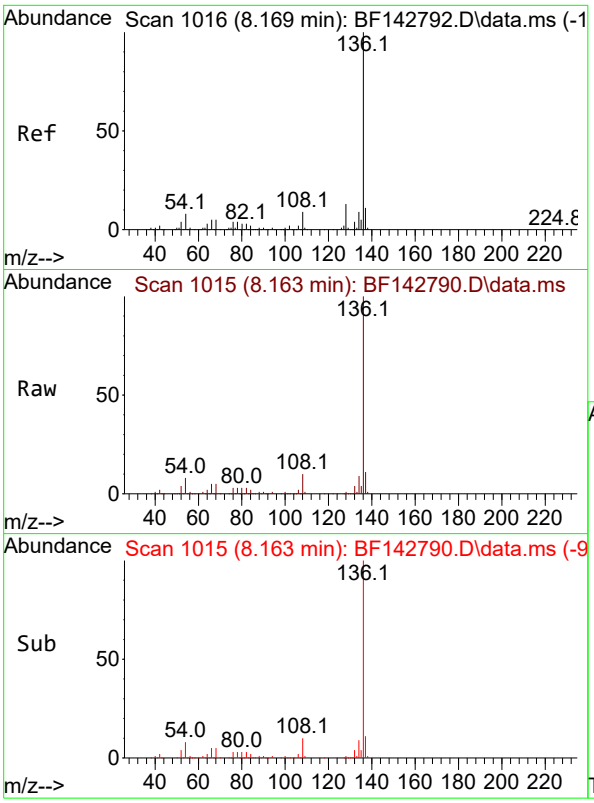


#20
3+4-Methylphenols
Concen: 10.513 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:107 Resp: 49675

Ion	Ratio	Lower	Upper
107	100		
108	91.4	70.0	110.0
77	136.2	98.5	138.5
79	29.8	8.8	48.8



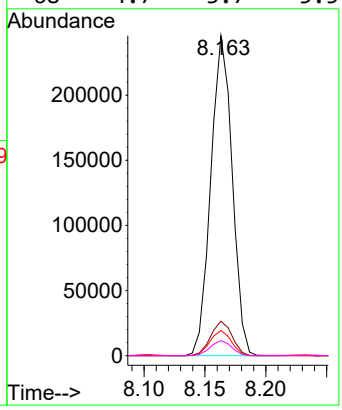


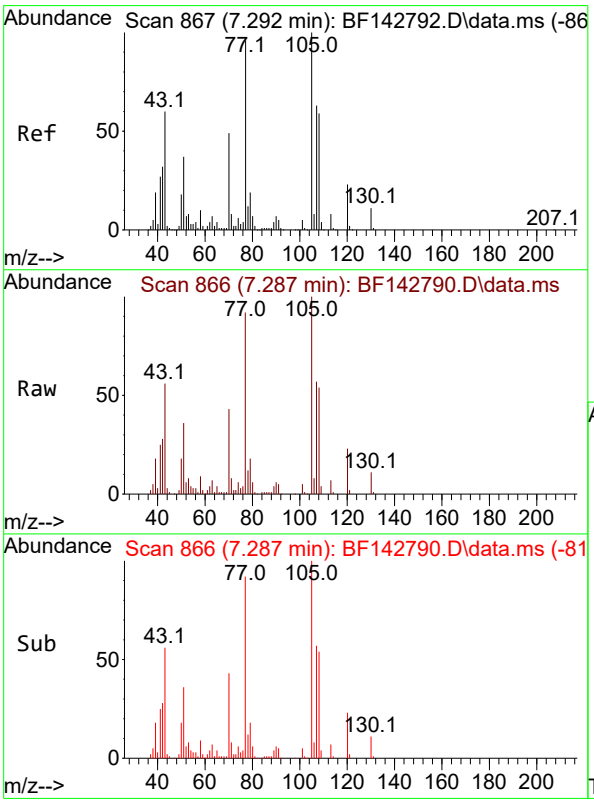
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 299903

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	7.9	6.3	9.5
68	4.7	3.7	5.5

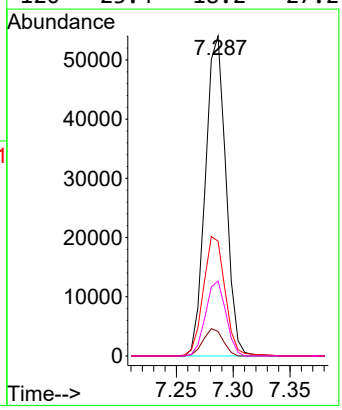


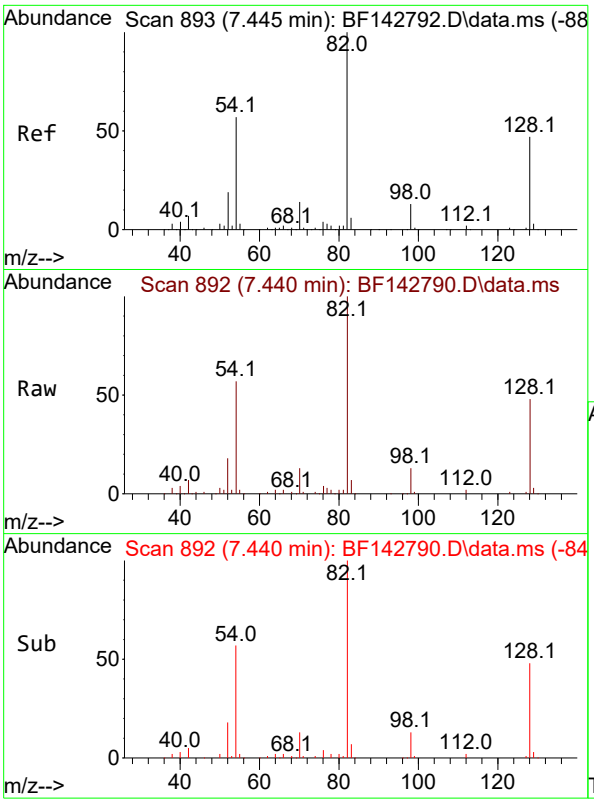


#22
Acetophenone
Concen: 10.197 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:105 Resp: 67666

Ion	Ratio	Lower	Upper
105	100		
71	7.7	6.5	9.7
51	35.9	29.8	44.8
120	23.4	18.2	27.2



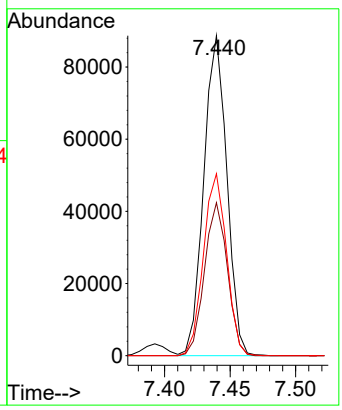


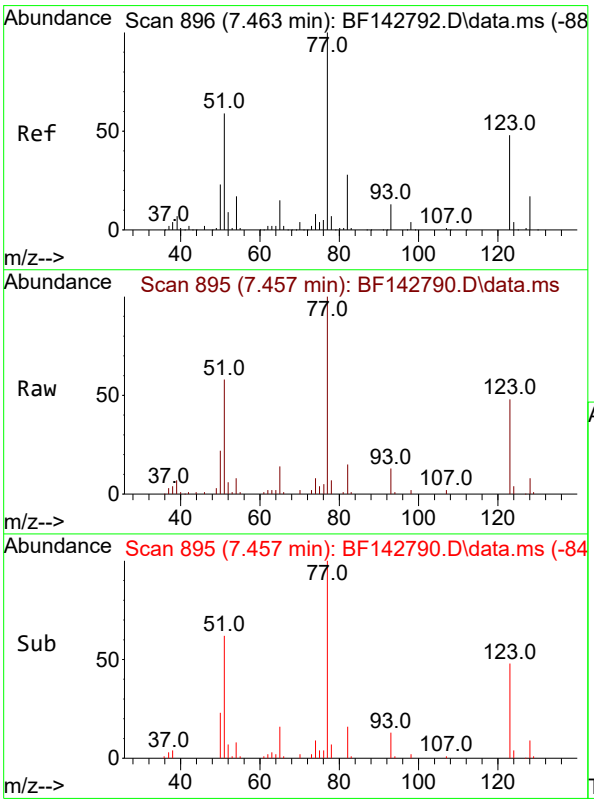
#23
Nitrobenzene-d5
Concen: 19.832 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 108508

Ion	Ratio	Lower	Upper
82	100		
128	47.8	37.7	56.5
54	56.9	45.7	68.5

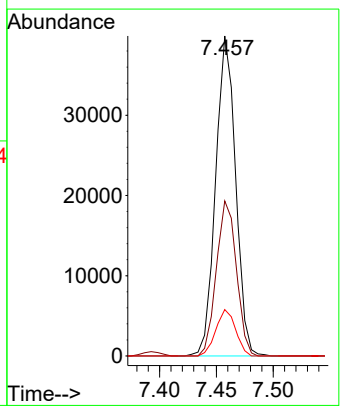


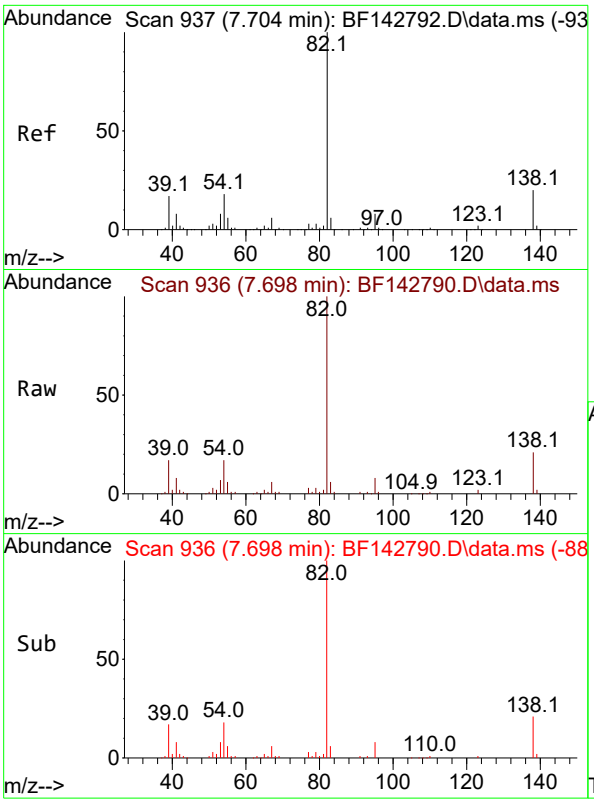


#24
Nitrobenzene
Concen: 10.034 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion: 77 Resp: 48789

Ion	Ratio	Lower	Upper
77	100		
123	48.5	39.2	58.8
65	14.5	11.6	17.4



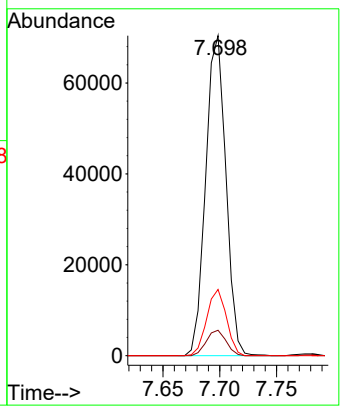


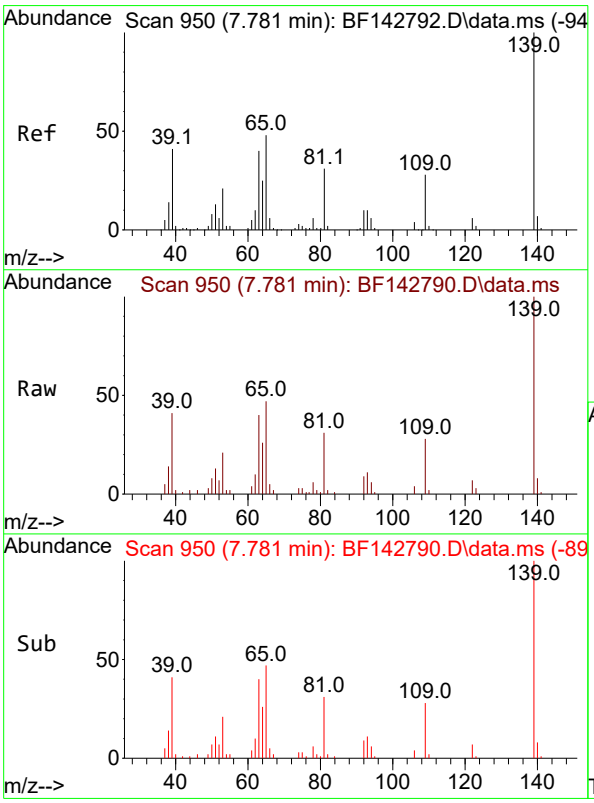
#25
Isophorone
Concen: 9.504 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 87205

Ion	Ratio	Lower	Upper
82	100		
95	8.0	6.2	9.2
138	20.7	16.2	24.4

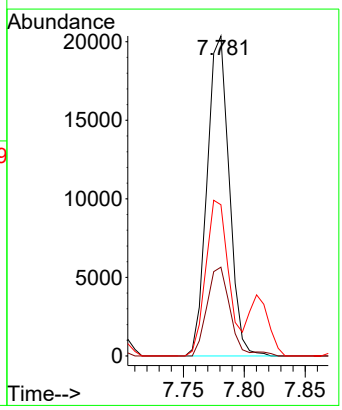


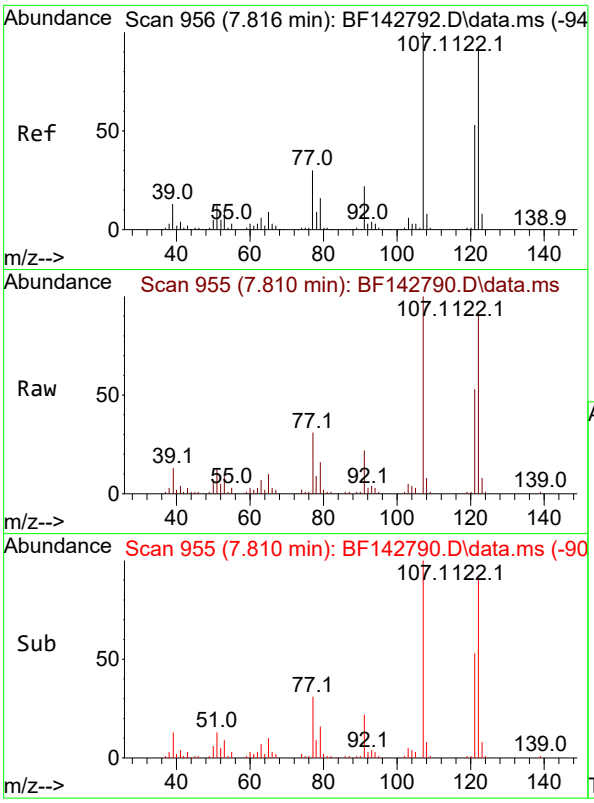


#26
2-Nitrophenol
Concen: 9.498 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:139 Resp: 25734

Ion	Ratio	Lower	Upper
139	100		
109	27.7	22.7	34.1
65	47.2	38.6	58.0



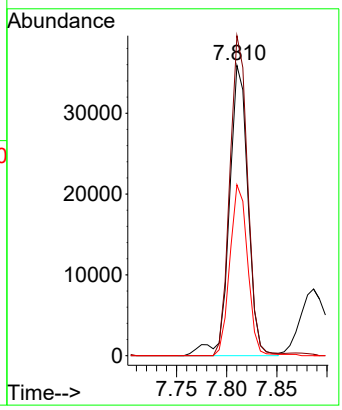


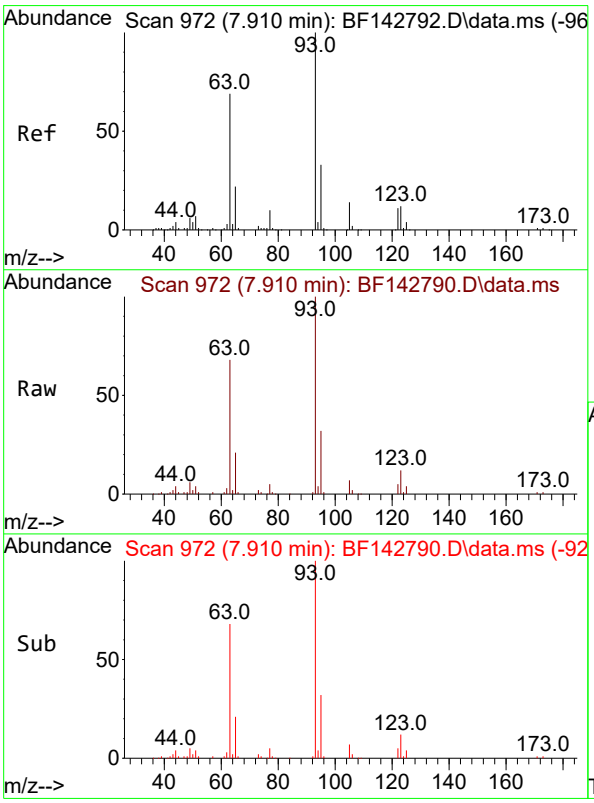
#27
2,4-Dimethylphenol
Concen: 10.071 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 46454

Ion	Ratio	Lower	Upper
122	100		
107	110.2	88.0	132.0
121	58.9	46.3	69.5

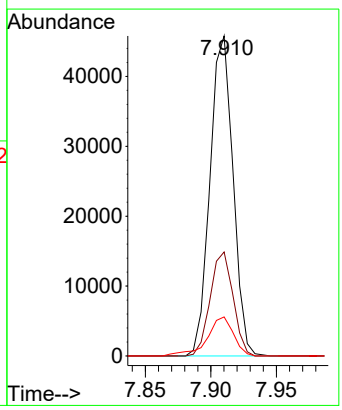


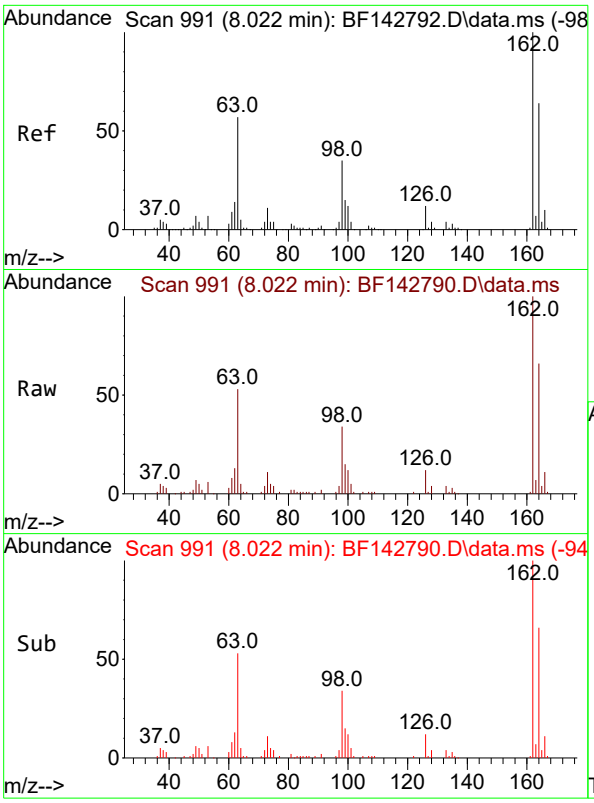


#28
bis(2-Chloroethoxy)methane
Concen: 9.788 ng
RT: 7.910 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion: 93 Resp: 55907

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.2	39.2
123	12.2	9.9	14.9



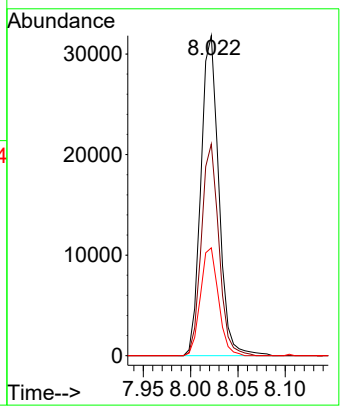


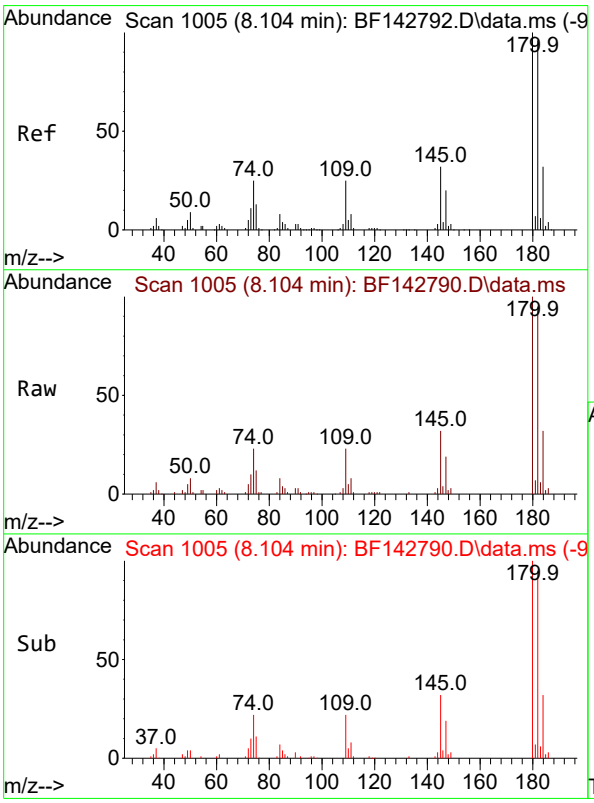
#29
2,4-Dichlorophenol
Concen: 9.861 ng
RT: 8.022 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 41925

Ion	Ratio	Lower	Upper
162	100		
164	66.2	44.0	84.0
98	33.7	15.4	55.4

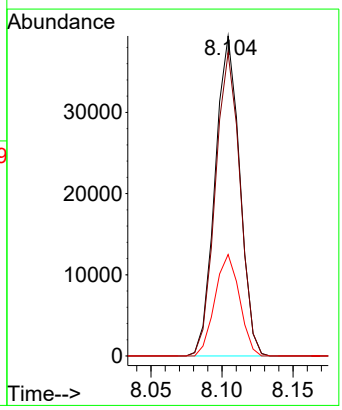


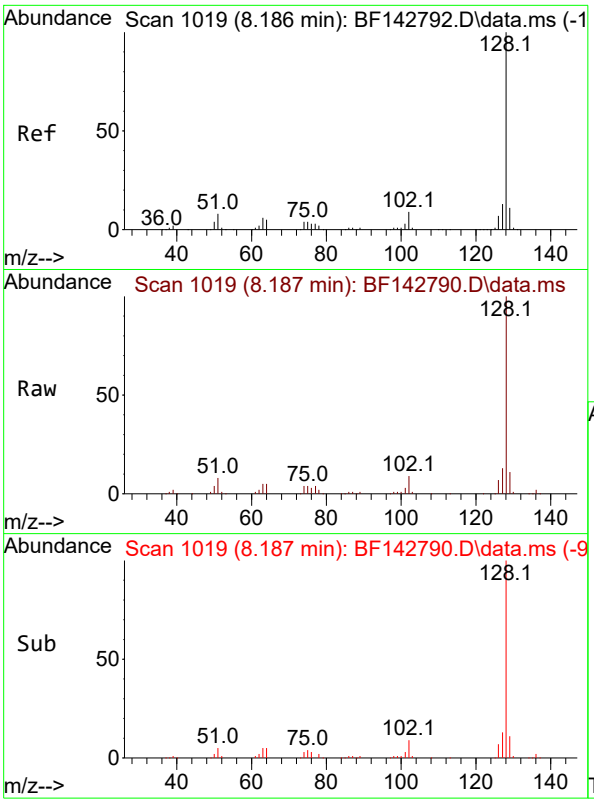


#30
1,2,4-Trichlorobenzene
Concen: 10.097 ng
RT: 8.104 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:180 Resp: 47419

Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.4	114.6
145	31.7	25.8	38.8



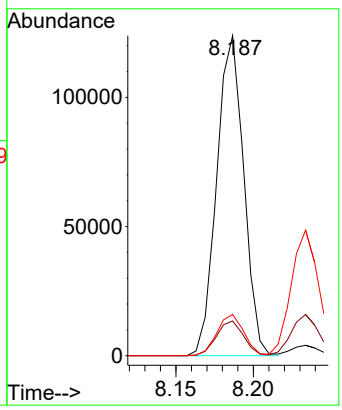


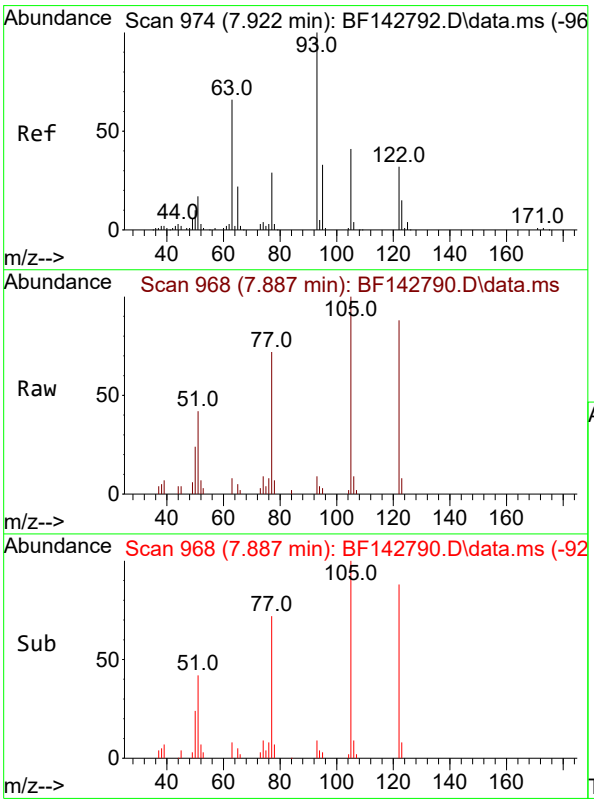
#31
Naphthalene
Concen: 10.188 ng
RT: 8.187 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 150265

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	12.9	10.4	15.6

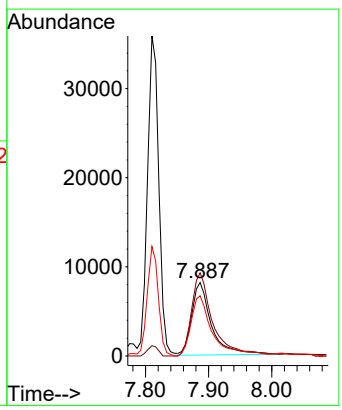


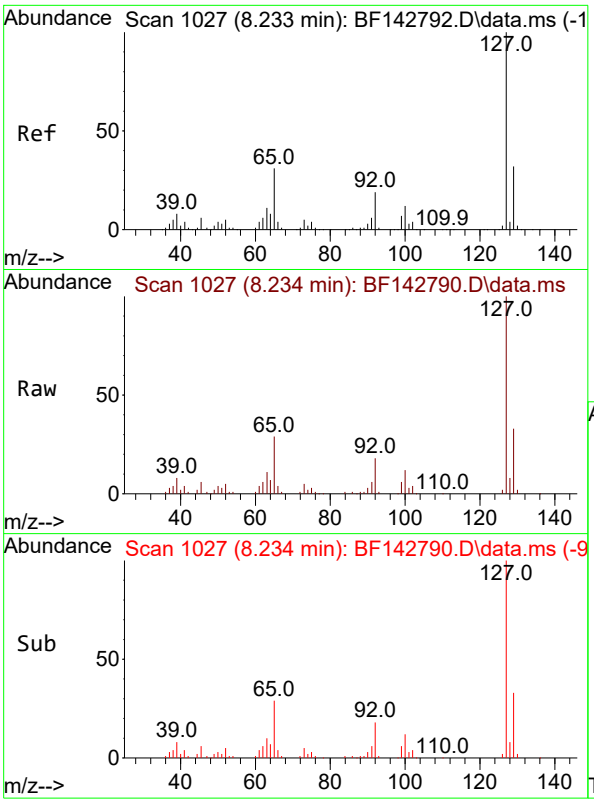


#32
Benzoic acid
Concen: 6.919 ng
RT: 7.887 min Scan# 968
Delta R.T. -0.035 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:122 Resp: 17708

Ion	Ratio	Lower	Upper
122	100		
105	113.1	104.7	144.7
77	81.9	70.2	110.2



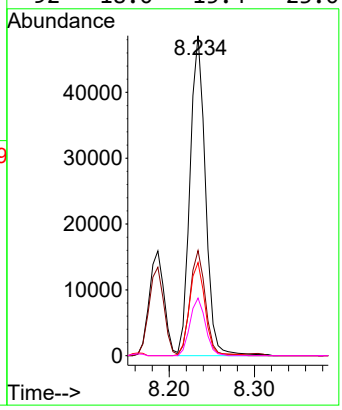


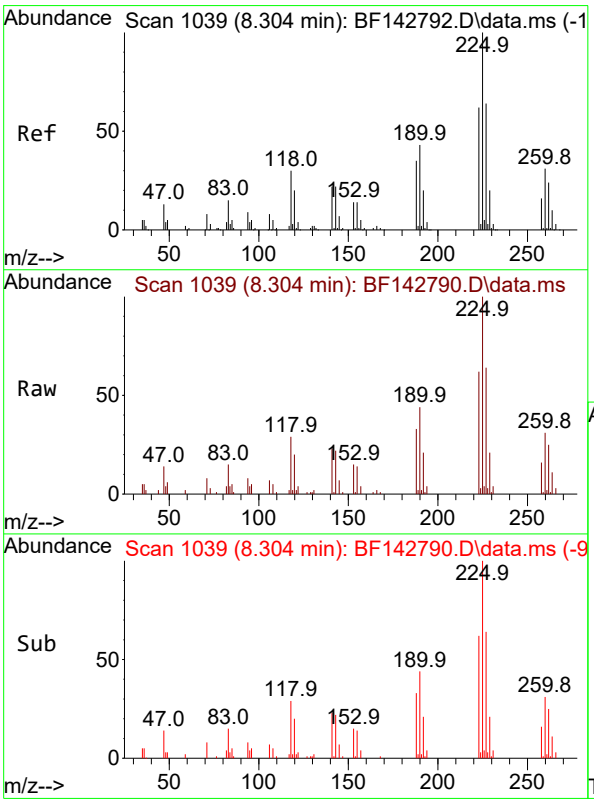
#33
4-Chloroaniline
Concen: 10.352 ng
RT: 8.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 61190

Ion	Ratio	Lower	Upper
127	100		
129	32.8	25.9	38.9
65	29.1	24.6	36.8
92	18.0	15.4	23.0

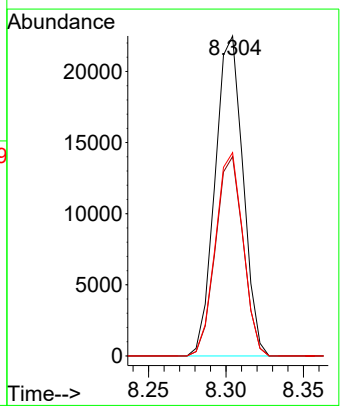


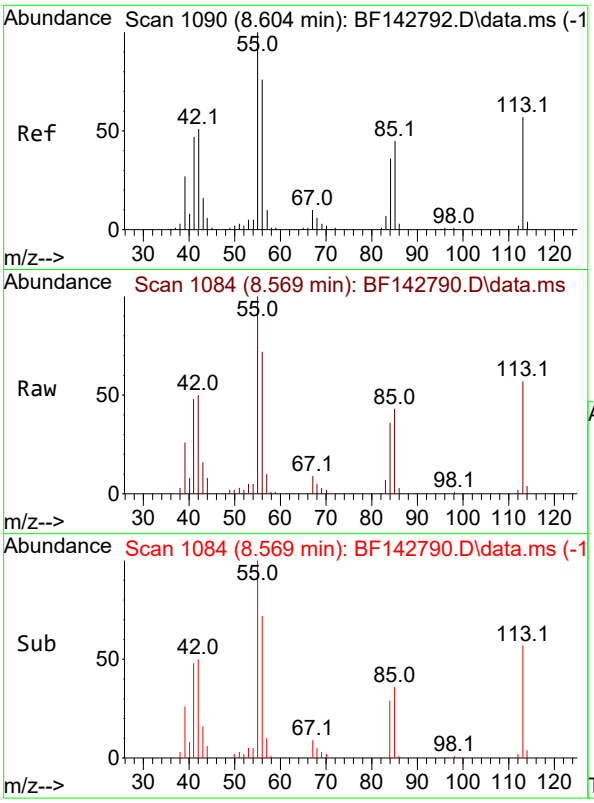


#34
Hexachlorobutadiene
Concen: 9.473 ng
RT: 8.304 min Scan# 1039
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:225 Resp: 28192

Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.9	74.9
227	63.5	51.4	77.0



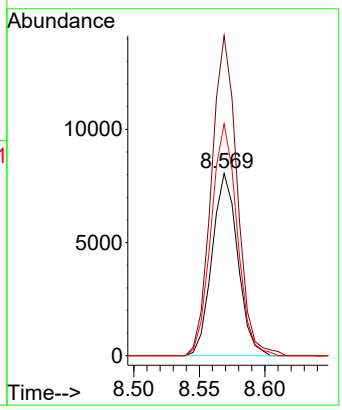


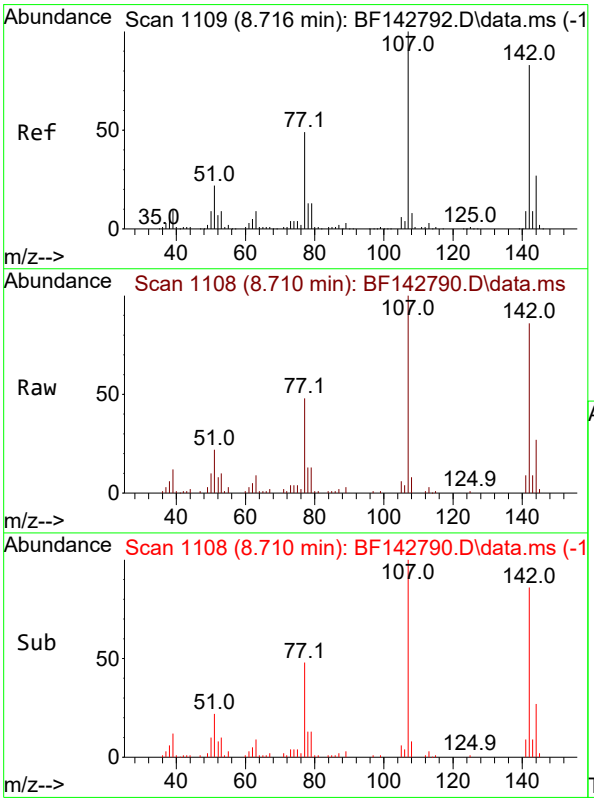
#35
Caprolactam
Concen: 9.557 ng
RT: 8.569 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 10933

Ion	Ratio	Lower	Upper
113	100		
55	175.6	154.4	194.4
56	127.2	112.1	152.1

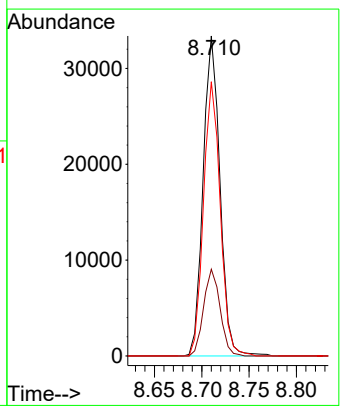


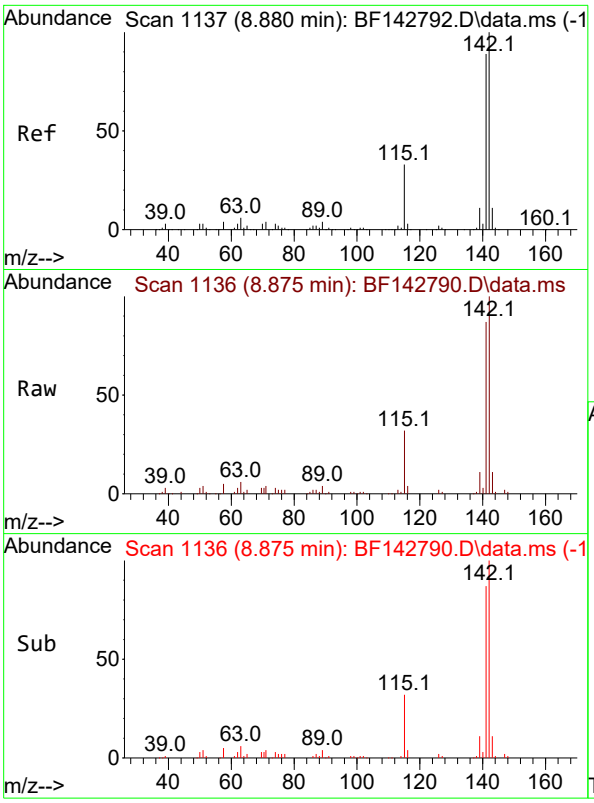


#36
4-Chloro-3-methylphenol
Concen: 9.382 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:107 Resp: 41204

Ion	Ratio	Lower	Upper
107	100		
144	27.1	21.3	31.9
142	85.7	66.6	100.0



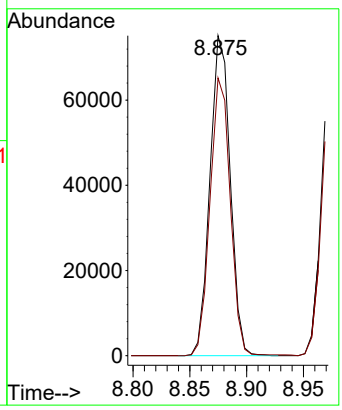


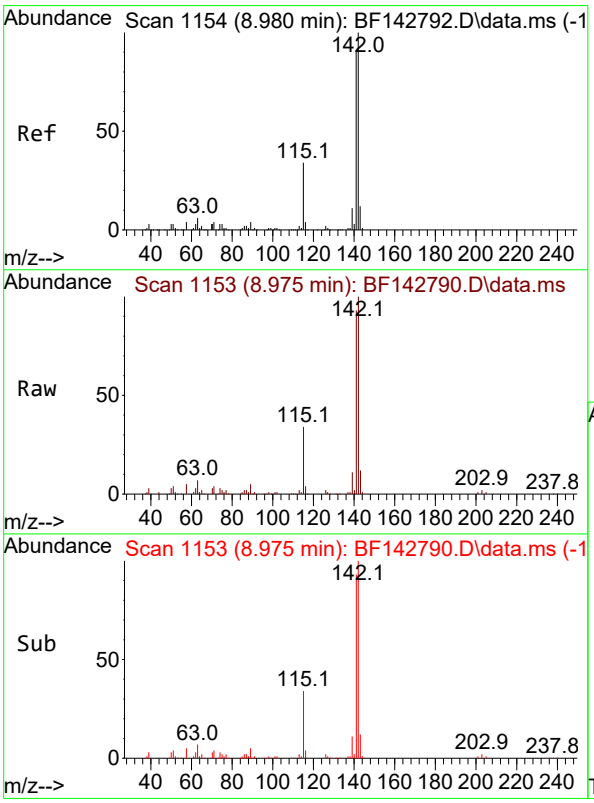
#37
2-Methylnaphthalene
Concen: 10.003 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 93078

Ion	Ratio	Lower	Upper
142	100		
141	86.8	70.9	106.3

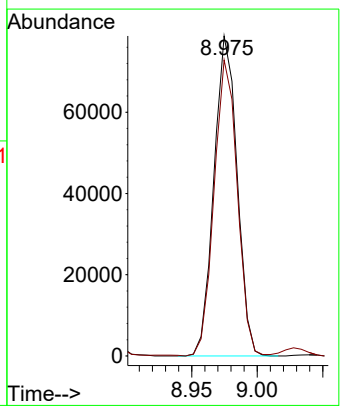


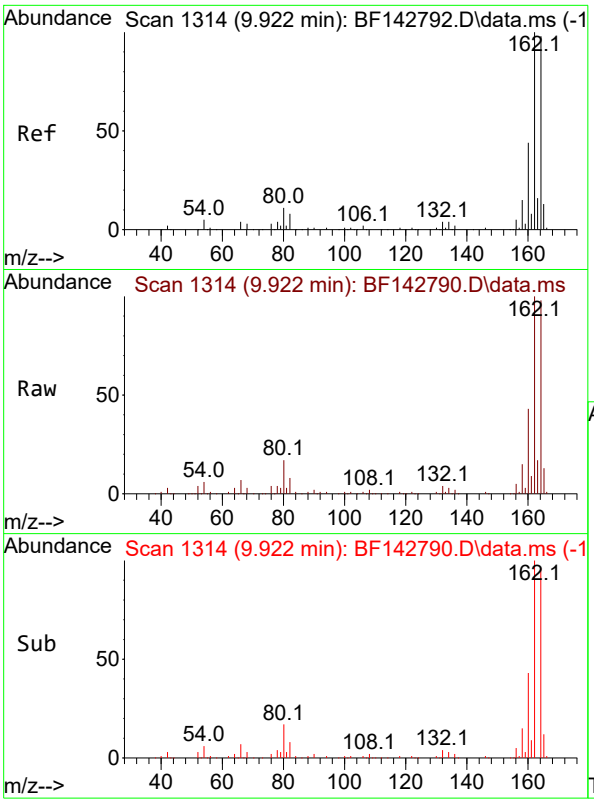


#38
1-Methylnaphthalene
Concen: 10.007 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:142 Resp: 96673

Ion	Ratio	Lower	Upper
142	100		
141	92.5	73.0	109.4



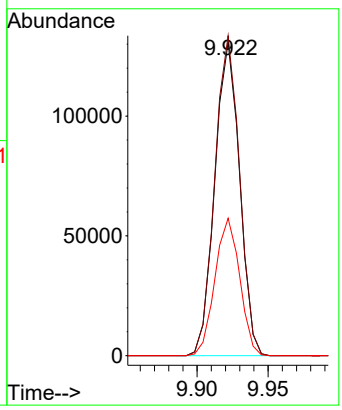


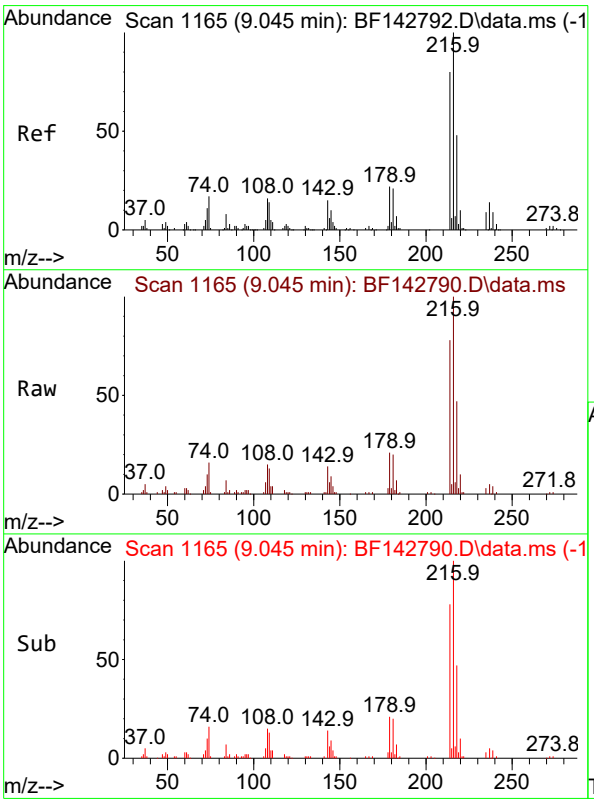
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 158336

Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.8	122.8
160	43.9	36.0	54.0

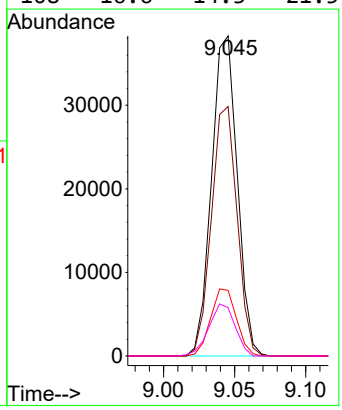


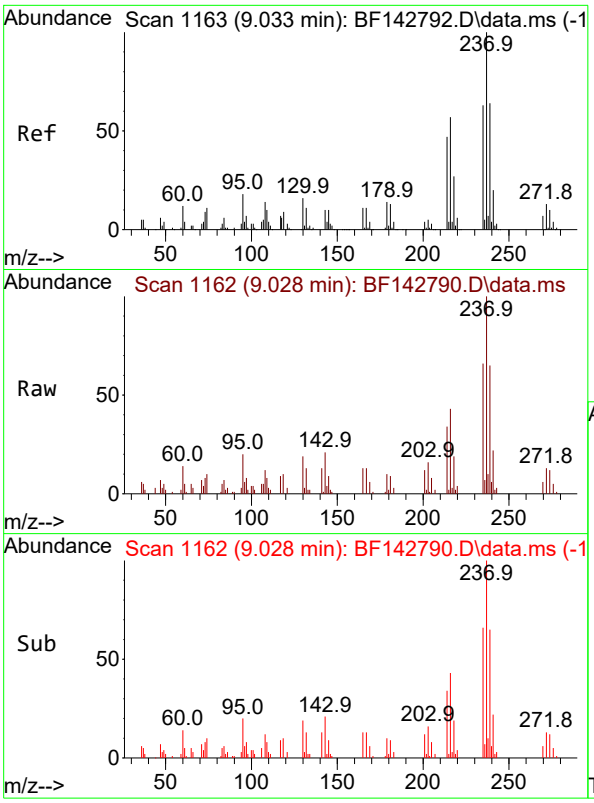


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.540 ng
RT: 9.045 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:216 Resp: 48175

Ion	Ratio	Lower	Upper
216	100		
214	77.9	63.7	95.5
179	21.0	17.6	26.4
108	16.6	14.3	21.5



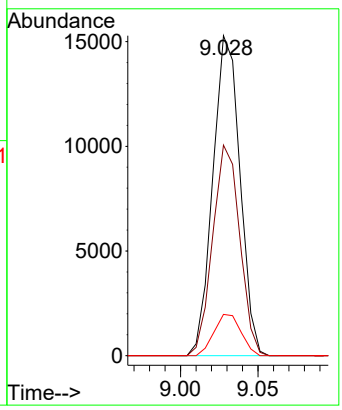


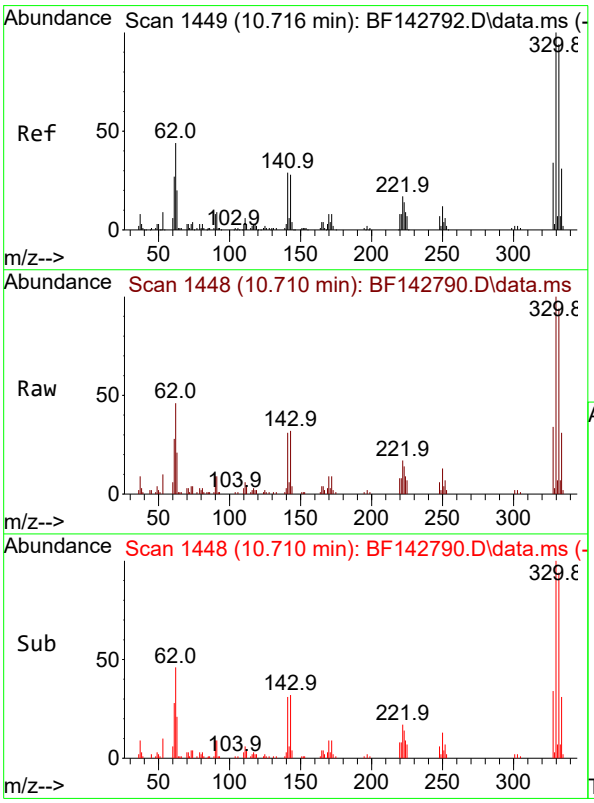
#41
Hexachlorocyclopentadiene
Concen: 6.436 ng
RT: 9.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 18602

Ion	Ratio	Lower	Upper
237	100		
235	65.8	43.4	83.4
272	12.9	0.0	32.7

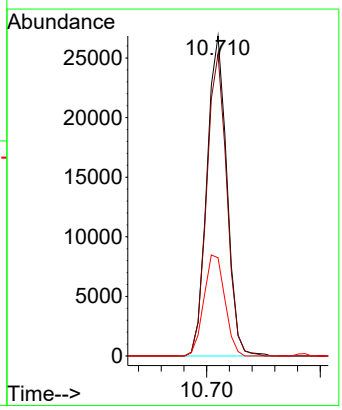


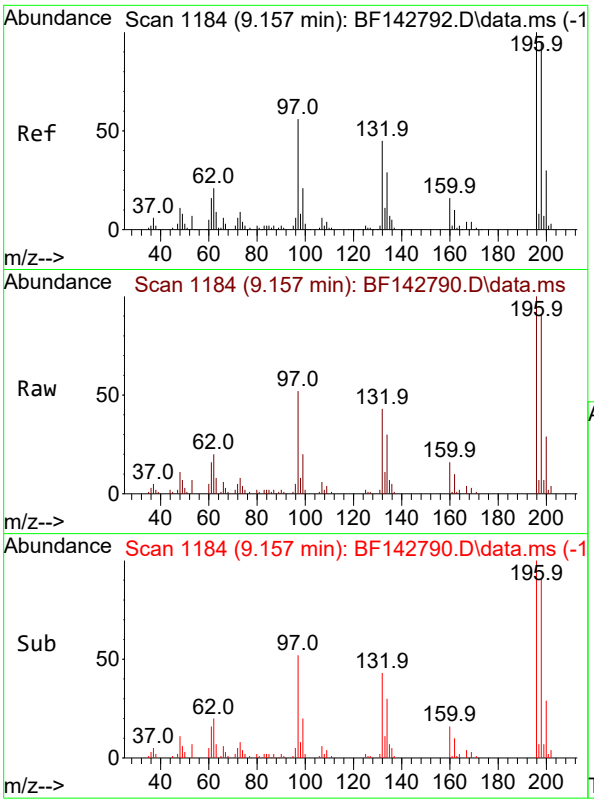


#42
2,4,6-Tribromophenol
Concen: 19.042 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:330 Resp: 32767

Ion	Ratio	Lower	Upper
330	100		
332	94.6	75.0	112.6
141	33.1	25.3	37.9



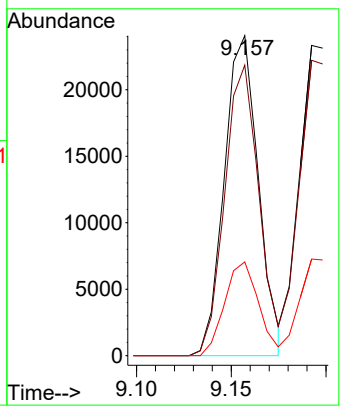


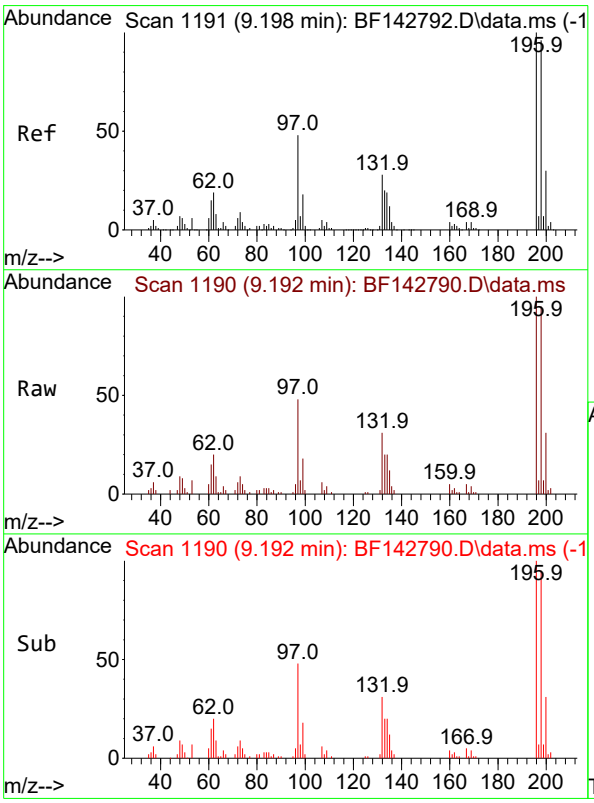
#43
2,4,6-Trichlorophenol
Concen: 10.182 ng
RT: 9.157 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 30118

Ion	Ratio	Lower	Upper
196	100		
198	90.8	76.2	114.2
200	29.3	24.1	36.1

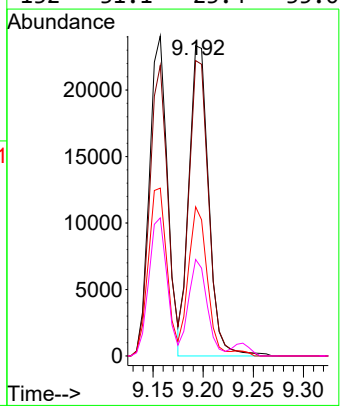


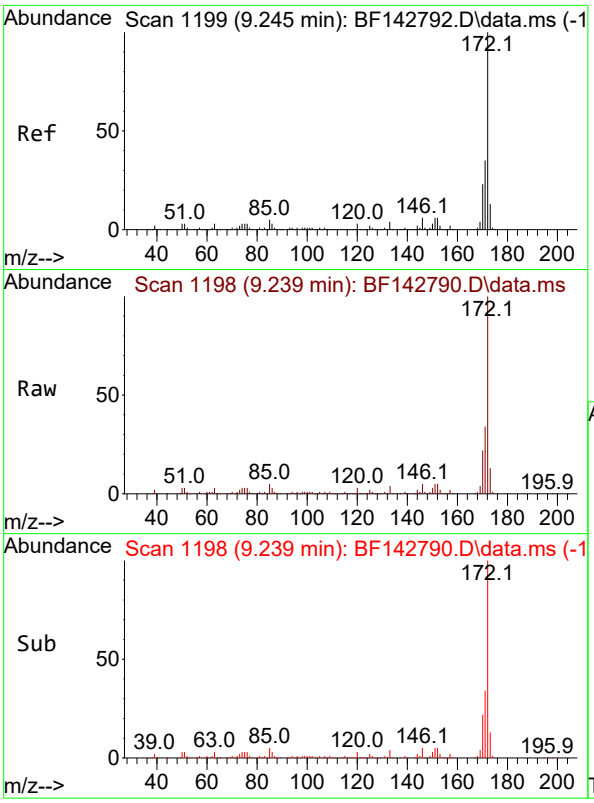


#44
2,4,5-Trichlorophenol
Concen: 9.987 ng
RT: 9.192 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:196 Resp: 31900

Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.6	115.0
97	48.1	38.2	57.2
132	31.1	23.4	35.0



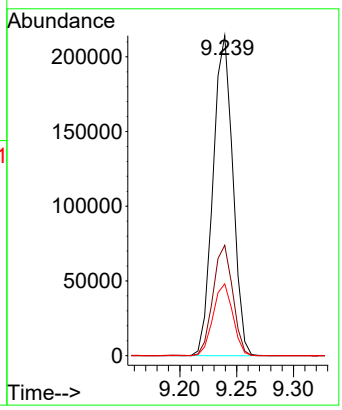


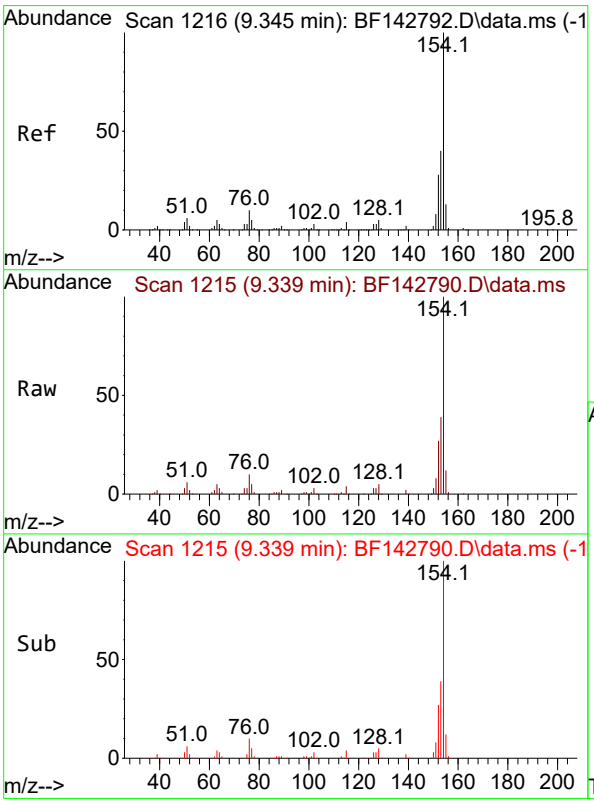
#45
2-Fluorobiphenyl
Concen: 21.765 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 259052

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.2	42.4
170	22.5	18.5	27.7

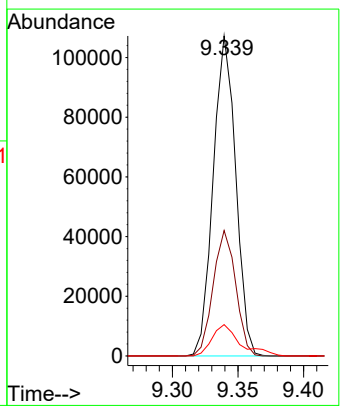


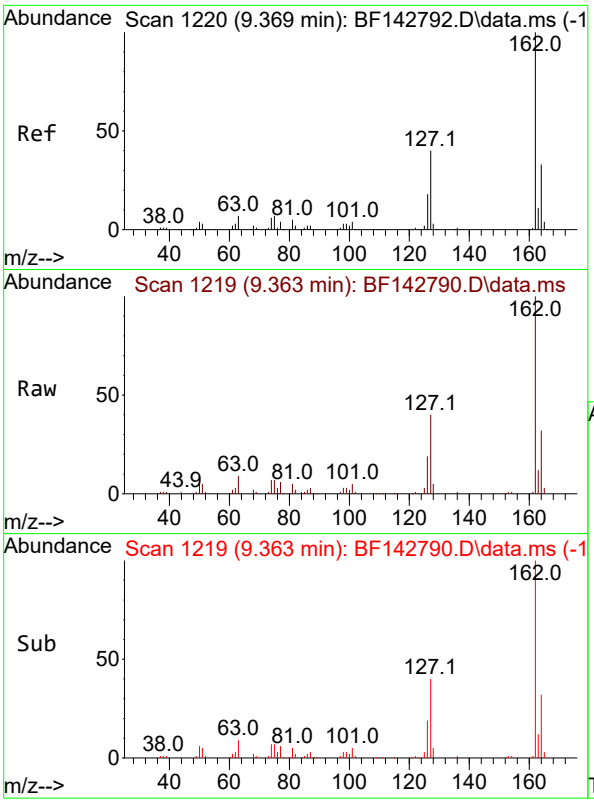


#46
1,1'-Biphenyl
Concen: 10.404 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:154 Resp: 127911

Ion	Ratio	Lower	Upper
154	100		
153	39.2	20.3	60.3
76	9.8	0.0	30.3



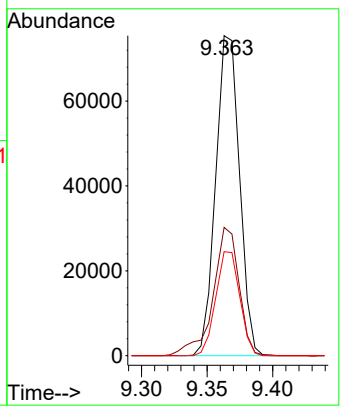


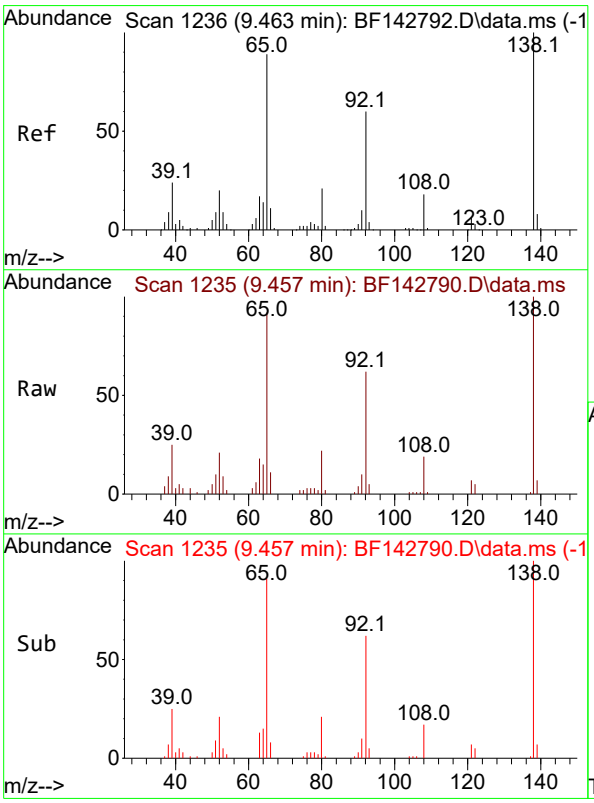
#47
2-Chloronaphthalene
Concen: 10.493 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 95194

Ion	Ratio	Lower	Upper
162	100		
127	40.1	32.2	48.2
164	32.5	26.1	39.1

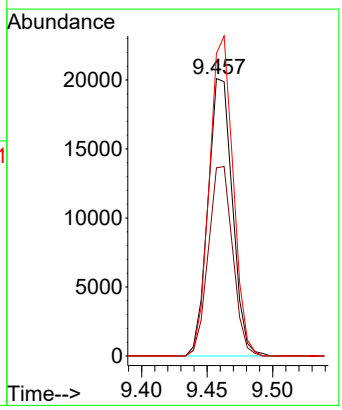


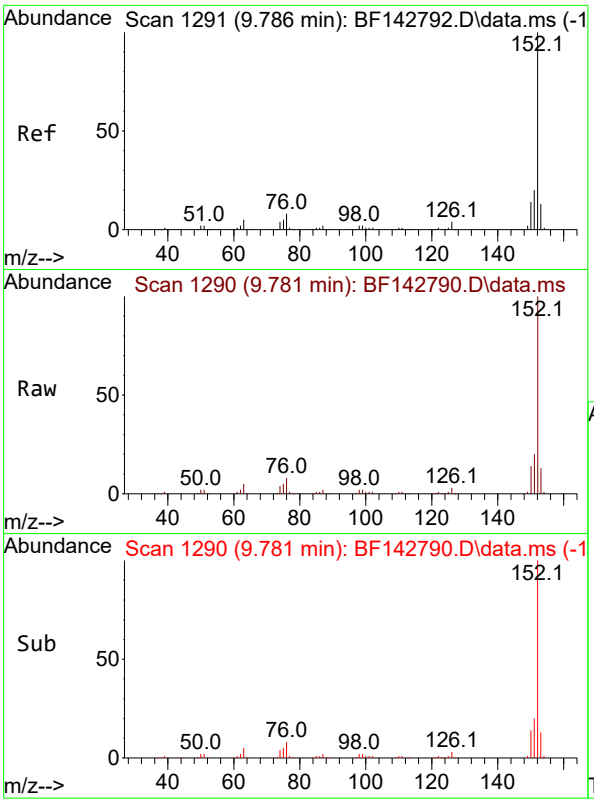


#48
2-Nitroaniline
Concen: 10.117 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion: 65 Resp: 26075

Ion	Ratio	Lower	Upper
65	100		
92	67.8	53.8	80.6
138	109.0	89.6	134.4



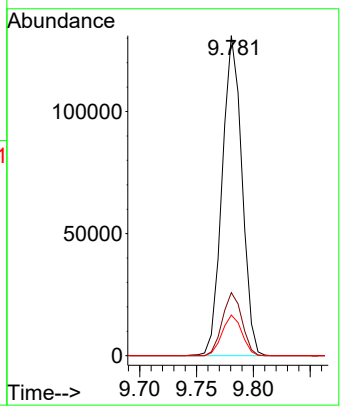


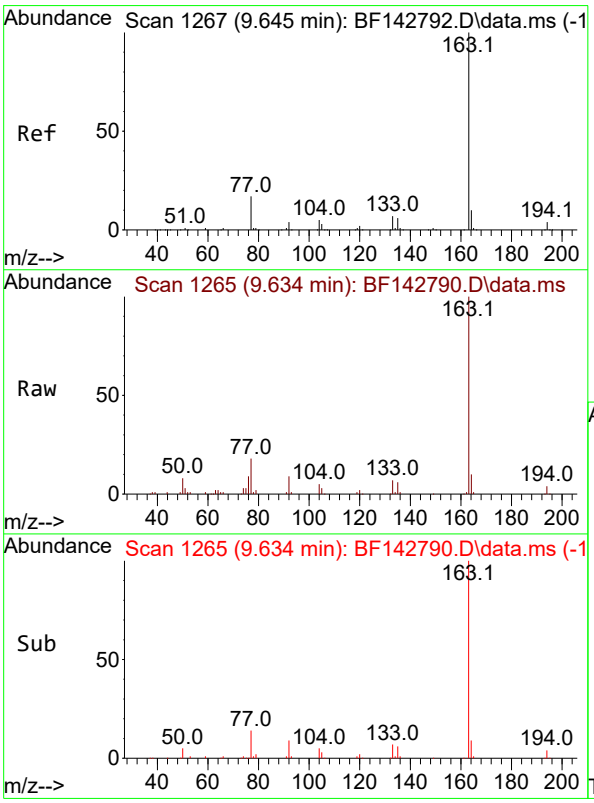
#49
Acenaphthylene
Concen: 10.415 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 158842

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.1	24.1
153	12.7	10.4	15.6

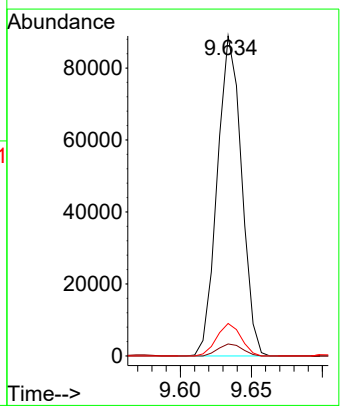


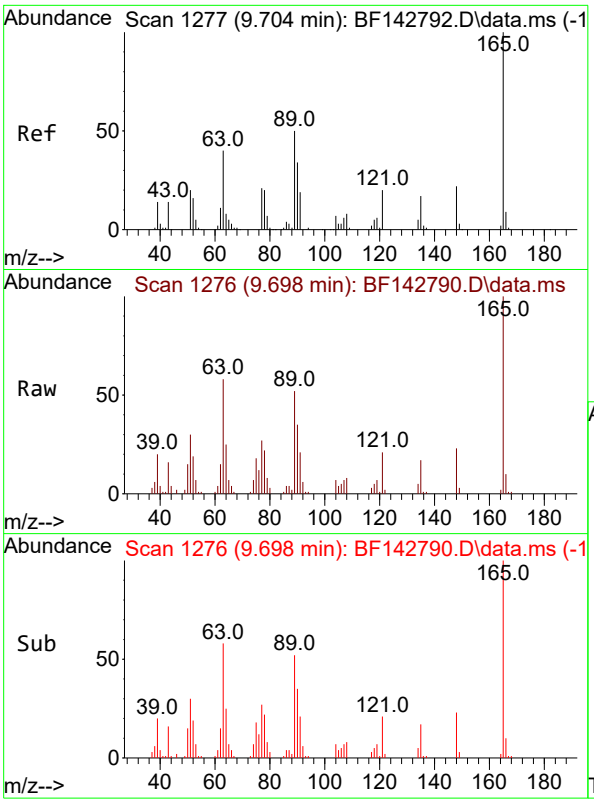


#50
Dimethylphthalate
Concen: 10.058 ng
RT: 9.634 min Scan# 1265
Delta R.T. -0.012 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:163 Resp: 105636

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.3	4.9
164	10.1	8.0	12.0



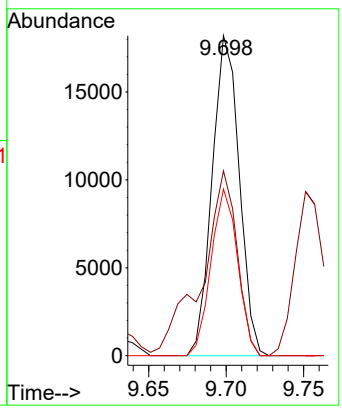


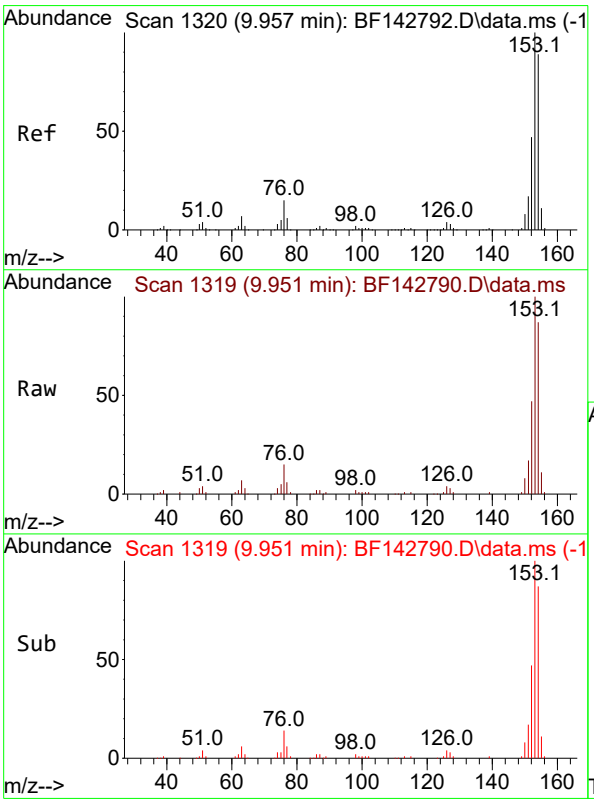
#51
2,6-Dinitrotoluene
Concen: 9.714 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 22116

Ion	Ratio	Lower	Upper
165	100		
63	57.7	44.2	66.4
89	52.1	39.8	59.8

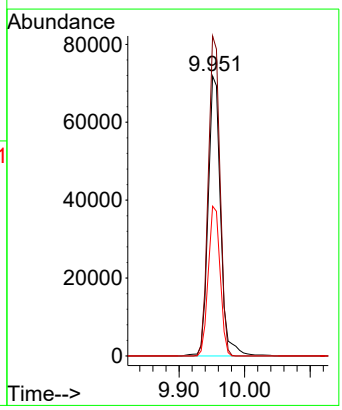


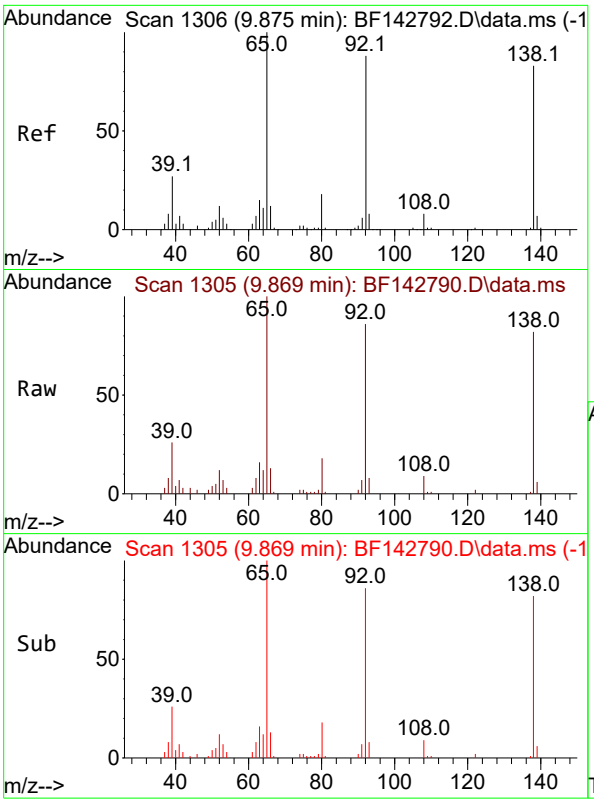


#52
Acenaphthene
Concen: 10.062 ng
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:154 Resp: 94961

Ion	Ratio	Lower	Upper
154	100		
153	114.4	90.0	135.0
152	53.5	41.9	62.9



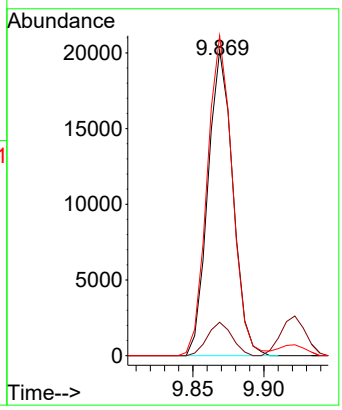


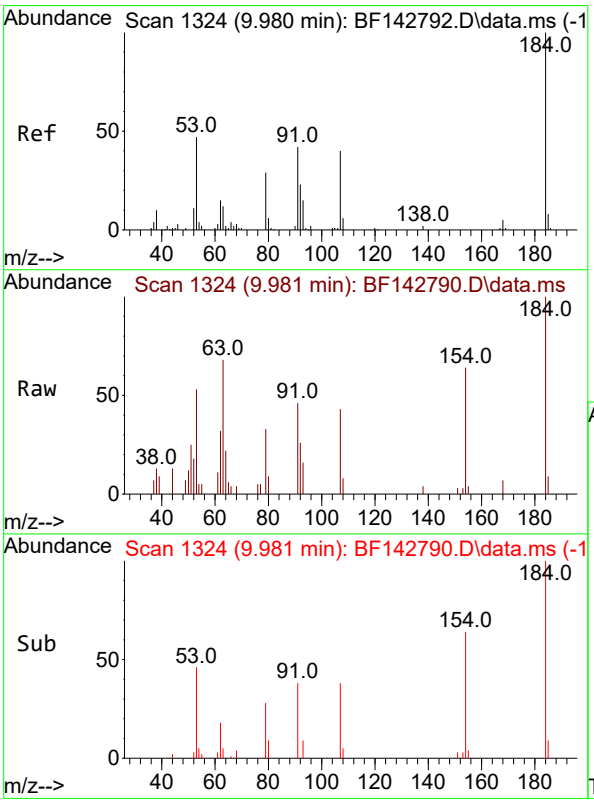
#53
3-Nitroaniline
Concen: 9.968 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 24651

Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.1	12.1
92	104.8	85.1	127.7

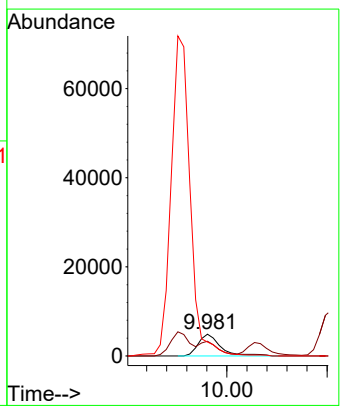


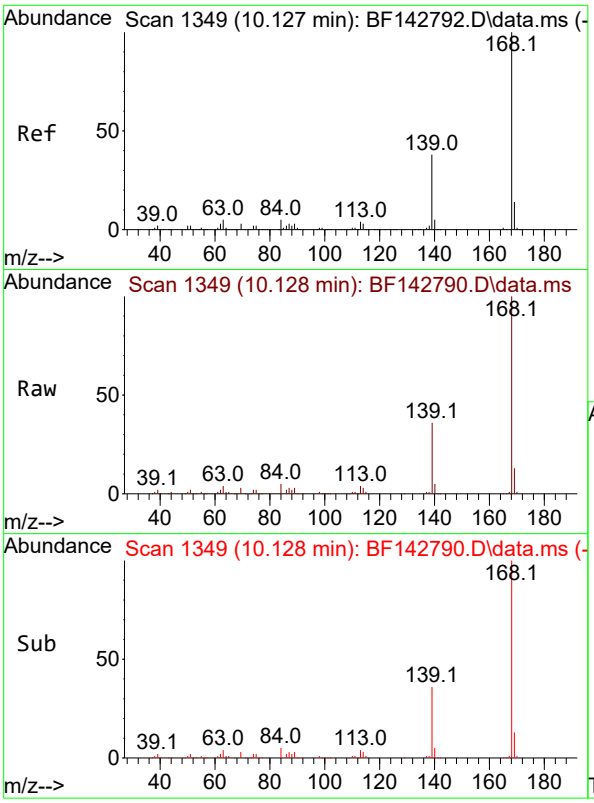


#54
2,4-Dinitrophenol
Concen: 6.104 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:184 Resp: 7521

Ion	Ratio	Lower	Upper
184	100		
63	67.7	50.6	75.8
154	64.1	51.8	77.8



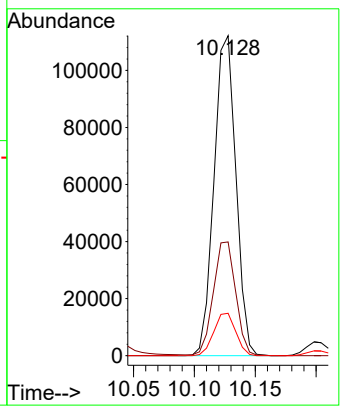


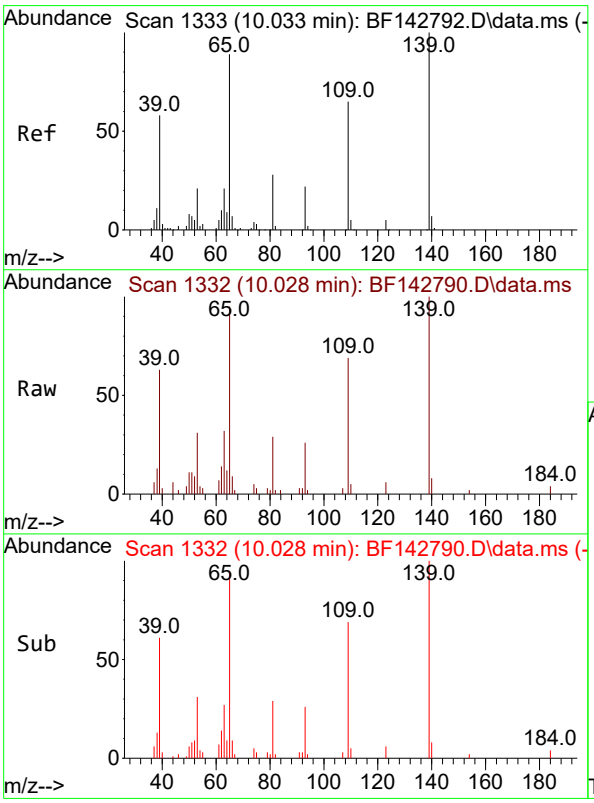
#55
Dibenzofuran
Concen: 10.416 ng
RT: 10.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 140256

Ion	Ratio	Lower	Upper
168	100		
139	35.6	30.2	45.4
169	13.3	10.8	16.2

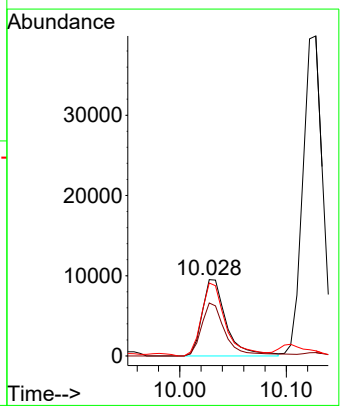


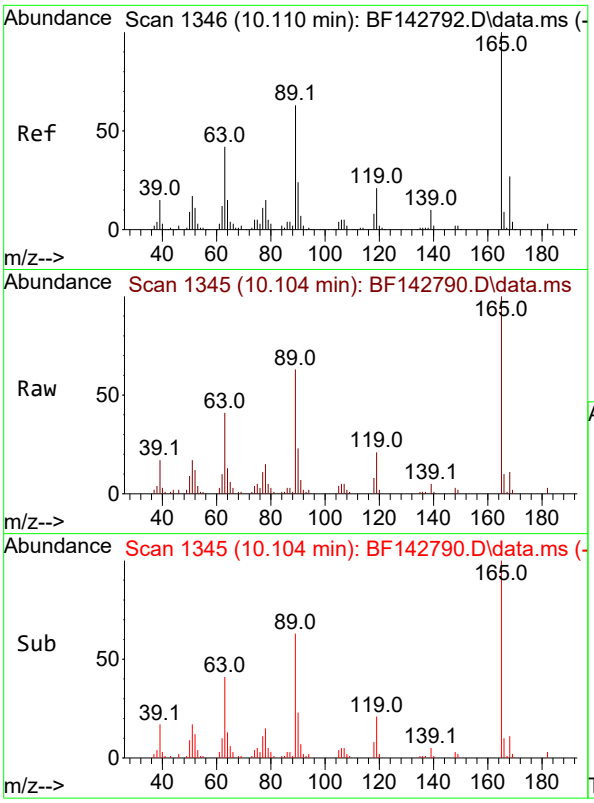


#56
4-Nitrophenol
Concen: 8.927 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:139 Resp: 14986

Ion	Ratio	Lower	Upper
139	100		
109	69.3	44.7	84.7
65	95.5	69.8	109.8



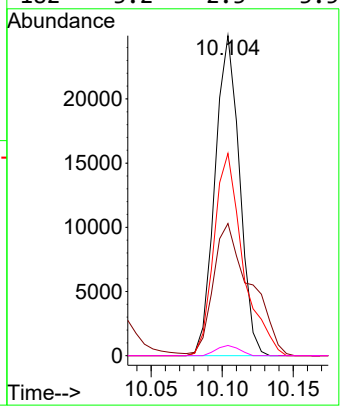


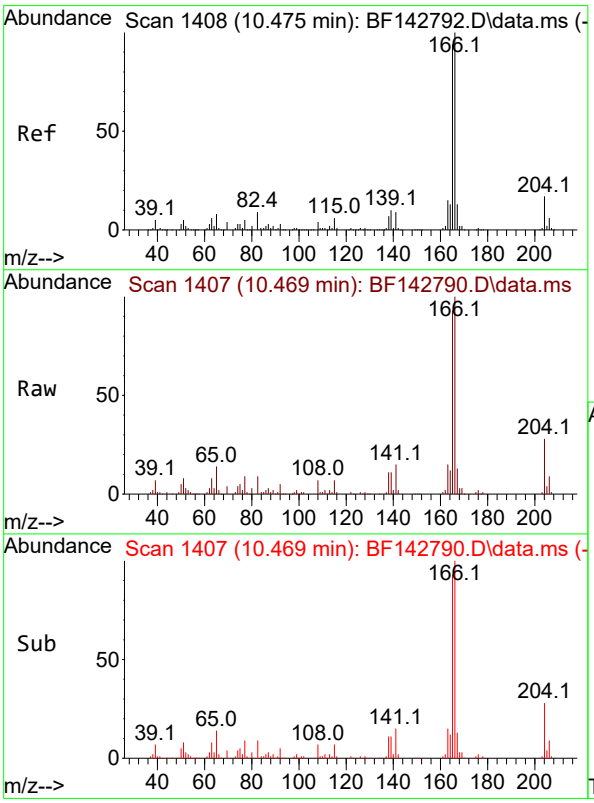
#57
2,4-Dinitrotoluene
Concen: 9.943 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 29934

Ion	Ratio	Lower	Upper
165	100		
63	41.3	33.9	50.9
89	63.2	50.6	75.8
182	3.2	2.3	3.5

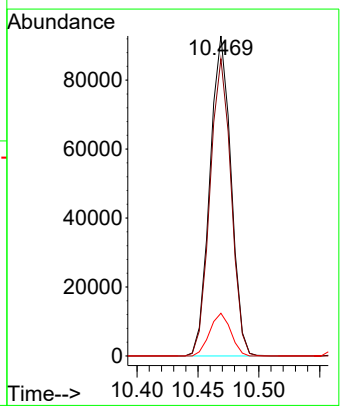


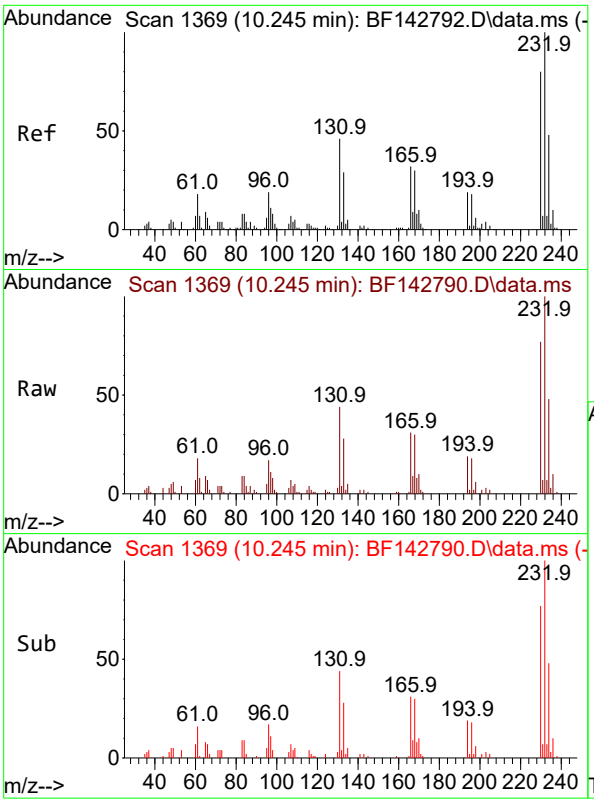


#58
Fluorene
Concen: 10.518 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:166 Resp: 111772

Ion	Ratio	Lower	Upper
166	100		
165	92.9	75.2	112.8
167	13.3	10.6	15.8



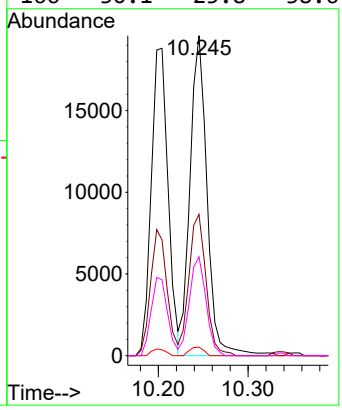


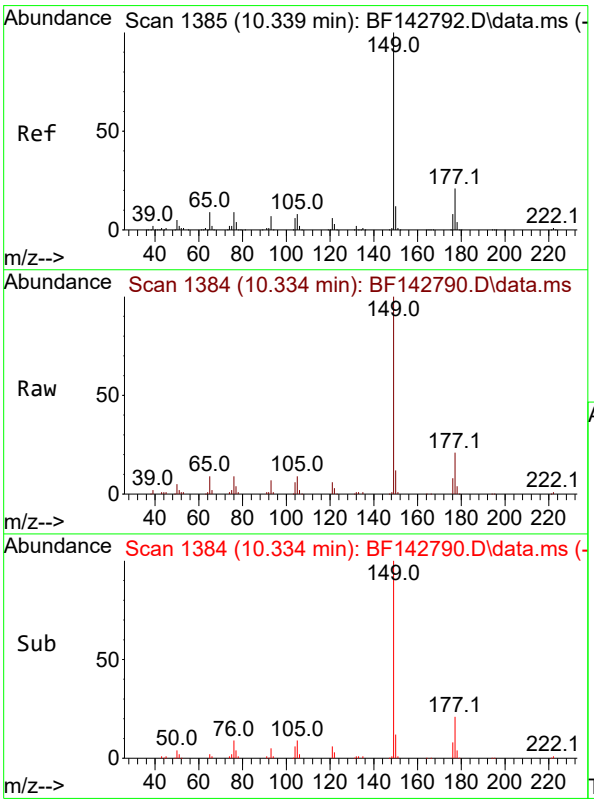
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.666 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 25885

Ion	Ratio	Lower	Upper
232	100		
131	44.2	37.6	56.4
130	2.2	1.7	2.5
166	30.1	25.8	38.6

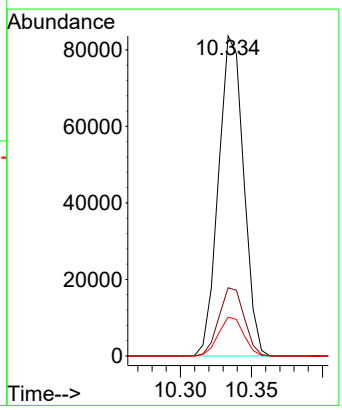


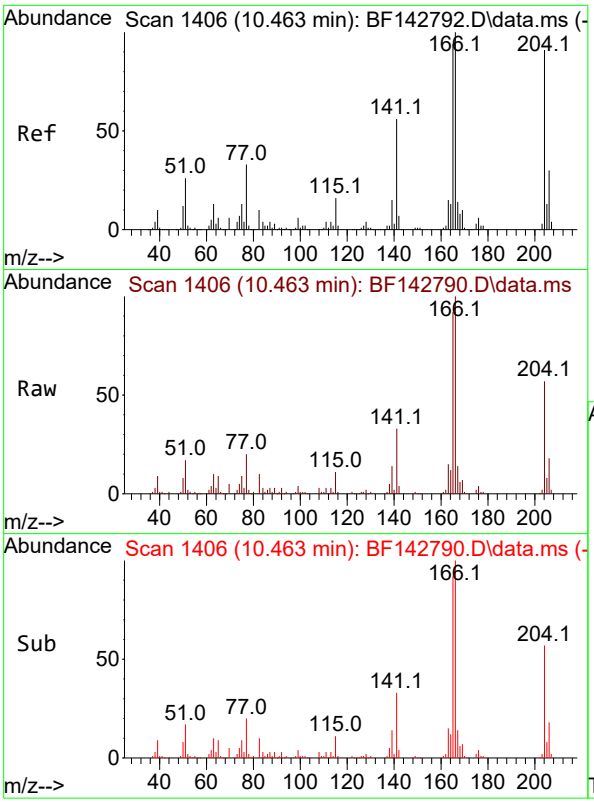


#60
Diethylphthalate
Concen: 9.877 ng
RT: 10.334 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:149 Resp: 103048

Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.0	25.6
150	12.2	9.8	14.6



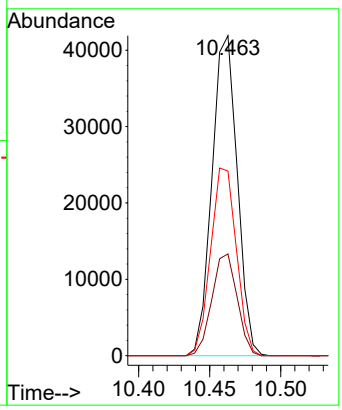


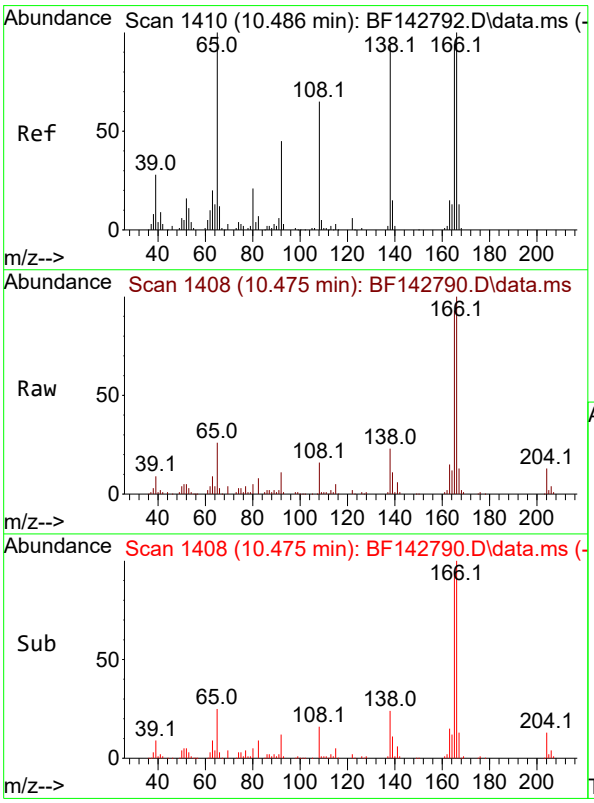
#61
4-Chlorophenyl-phenylether
Concen: 10.067 ng
RT: 10.463 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 51958

Ion	Ratio	Lower	Upper
204	100		
206	31.8	26.3	39.5
141	57.7	49.1	73.7

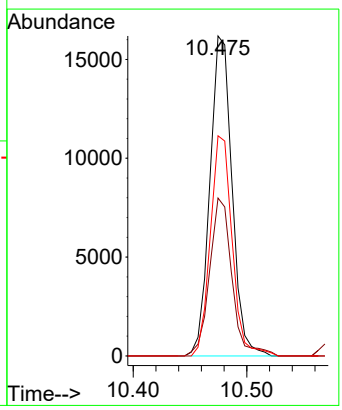


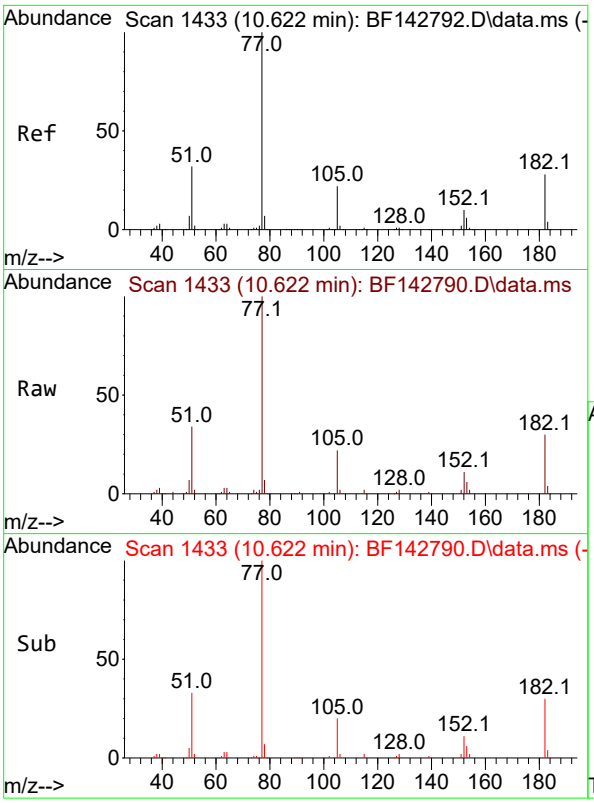


#62
4-Nitroaniline
Concen: 9.854 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:138 Resp: 21876

Ion	Ratio	Lower	Upper
138	100		
92	49.3	28.4	68.4
108	68.8	50.2	90.2



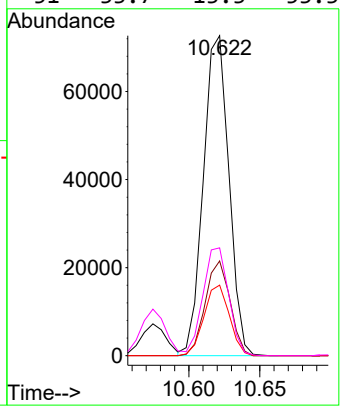


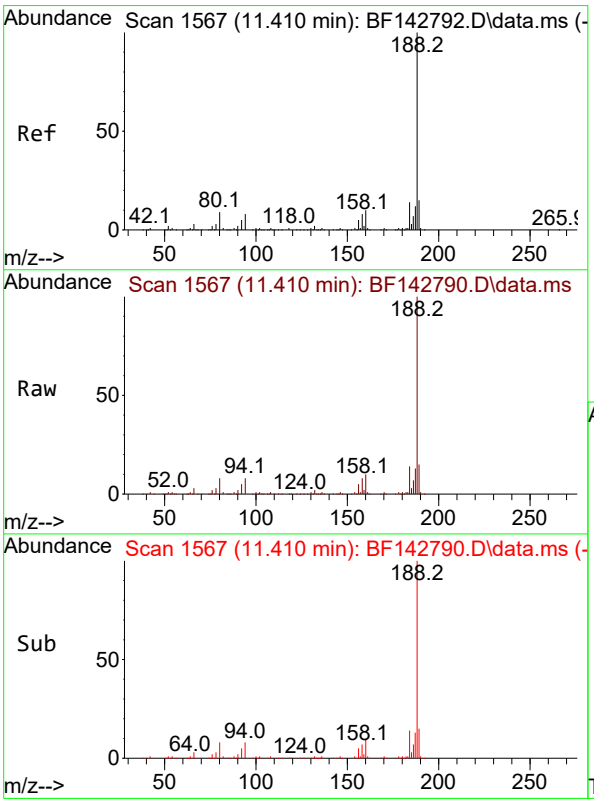
#63
Azobenzene
Concen: 9.977 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 90965

Ion	Ratio	Lower	Upper
77	100		
182	29.6	7.7	47.7
105	22.0	1.9	41.9
51	33.7	13.3	53.3

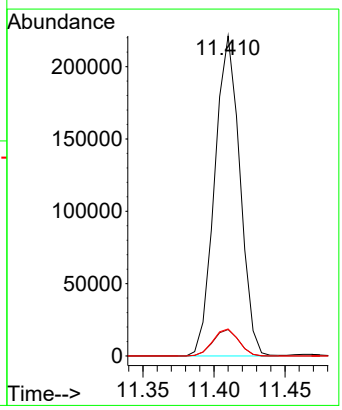


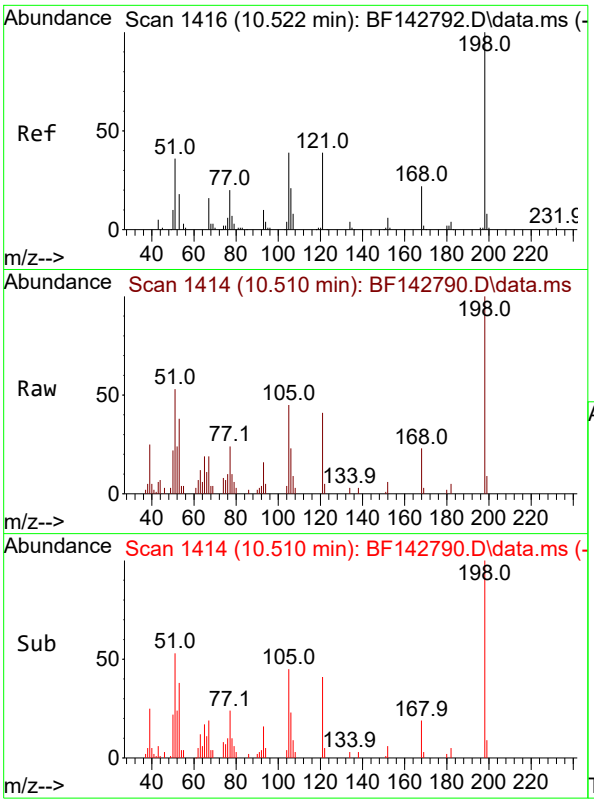


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:188 Resp: 273084

Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.7	10.1
80	8.5	6.9	10.3



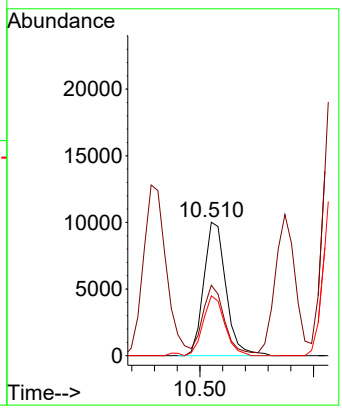


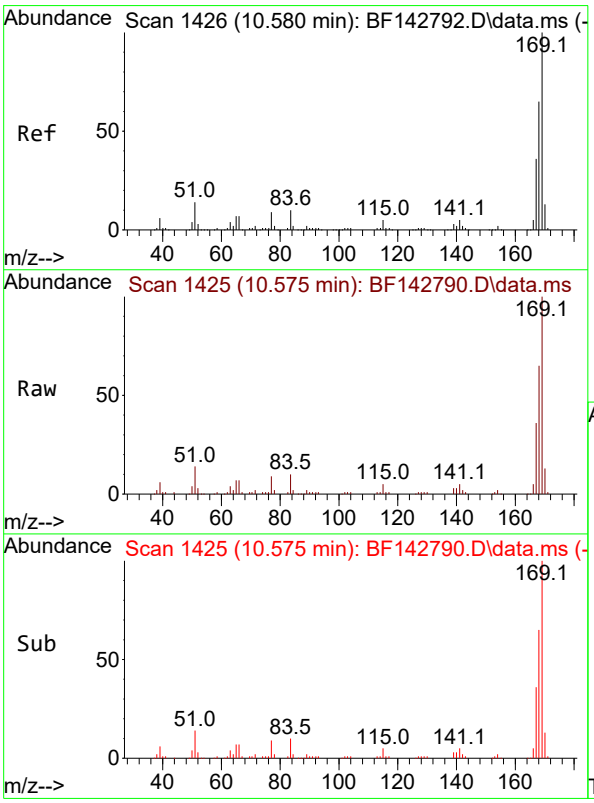
#65
4,6-Dinitro-2-methylphenol
Concen: 7.982 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 13545

Ion	Ratio	Lower	Upper
198	100		
51	52.8	25.4	65.4
105	44.8	20.4	60.4

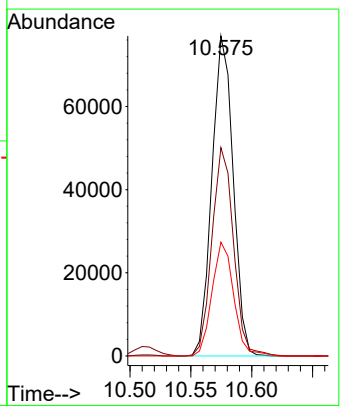


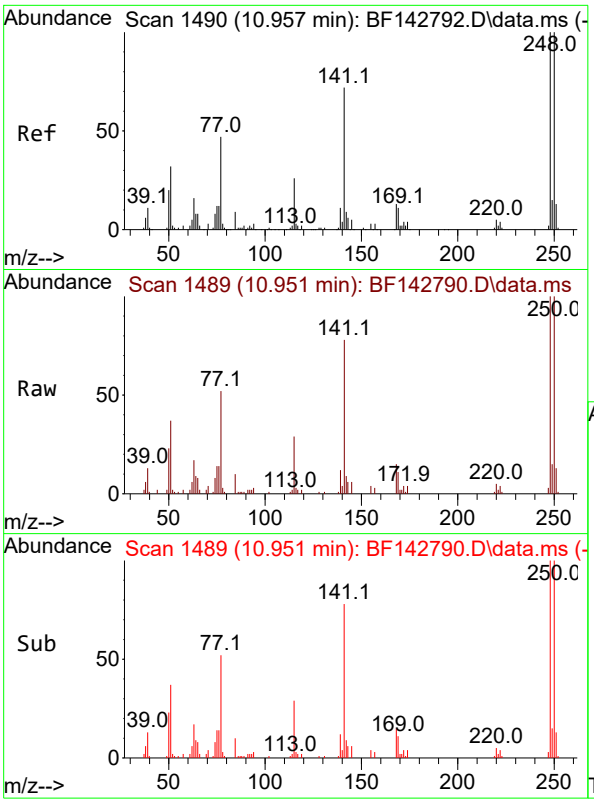


#66
n-Nitrosodiphenylamine
Concen: 9.978 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:169 Resp: 93632

Ion	Ratio	Lower	Upper
169	100		
168	65.1	51.9	77.9
167	35.6	28.5	42.7



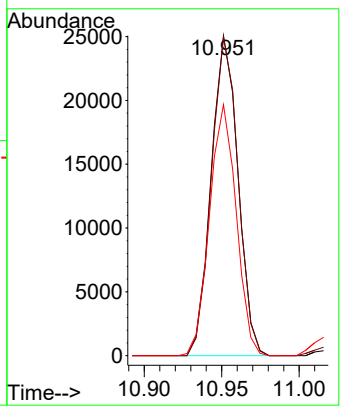


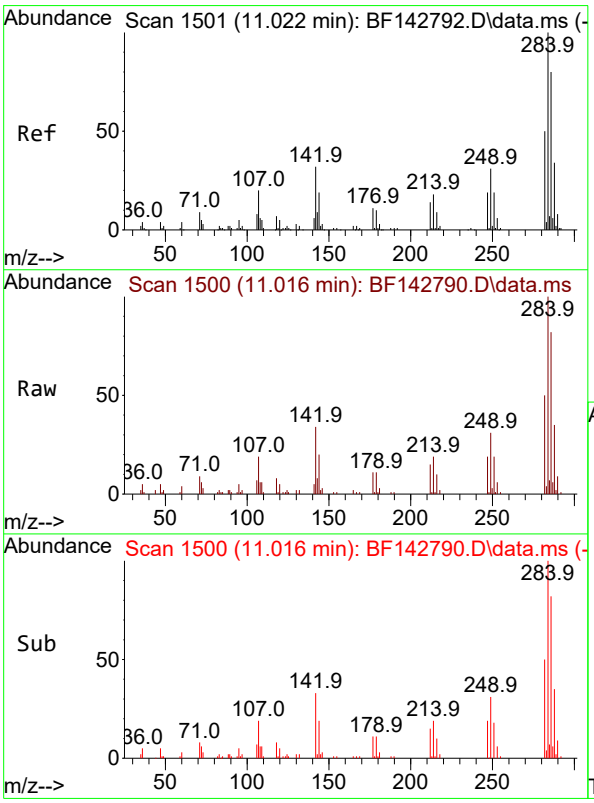
#67
4-Bromophenyl-phenylether
Concen: 9.425 ng
RT: 10.951 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 30145

Ion	Ratio	Lower	Upper
248	100		
250	99.6	79.8	119.8
141	78.4	57.8	86.6

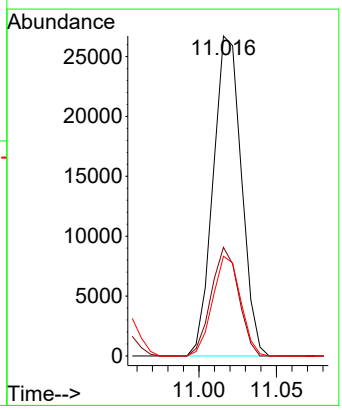


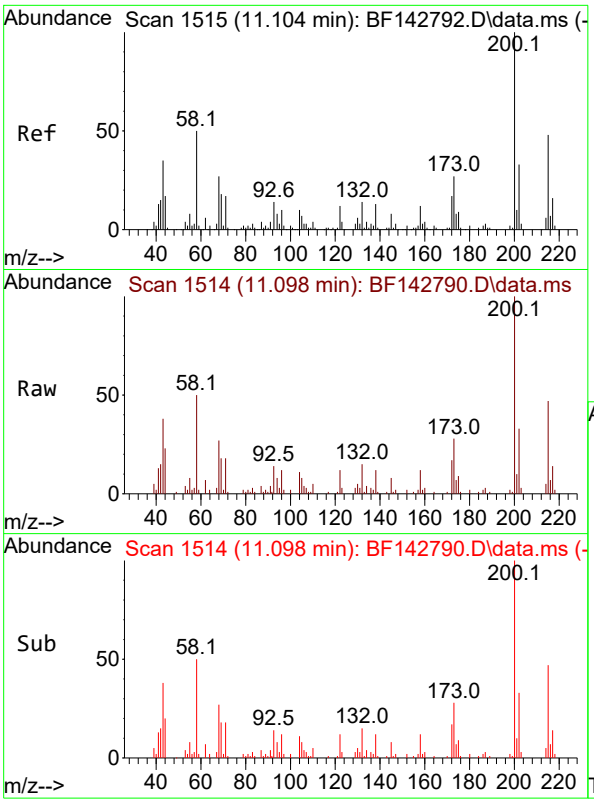


#68
Hexachlorobenzene
Concen: 9.530 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:284 Resp: 33838

Ion	Ratio	Lower	Upper
284	100		
142	34.0	25.5	38.3
249	31.2	24.9	37.3



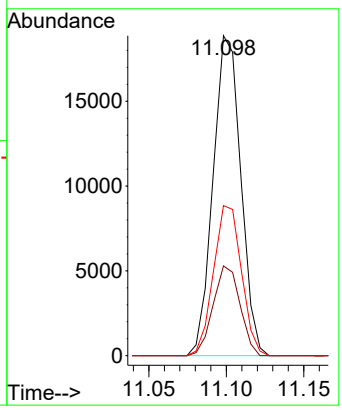


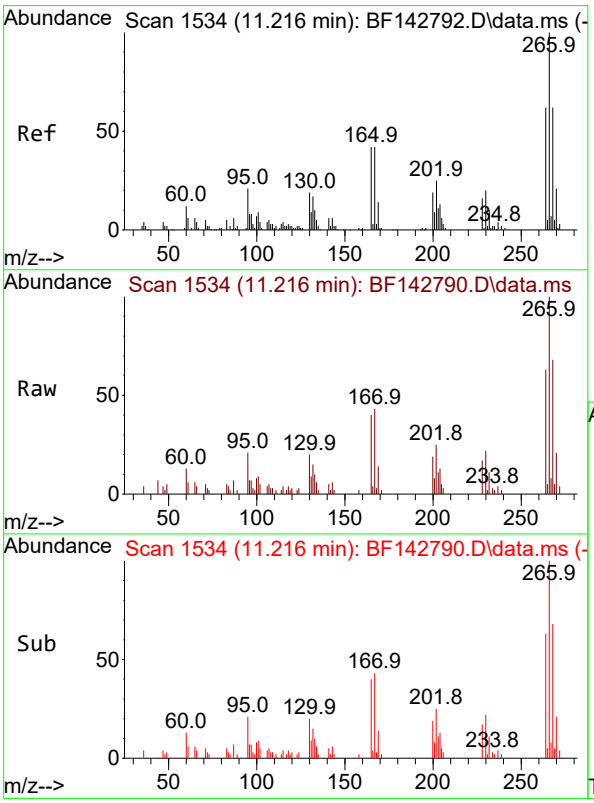
#69
Atrazine
Concen: 9.401 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 23423

Ion	Ratio	Lower	Upper
200	100		
173	28.1	7.4	47.4
215	46.9	28.4	68.4

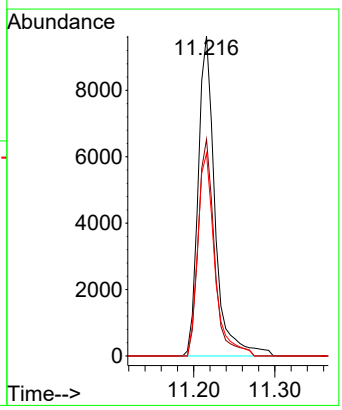


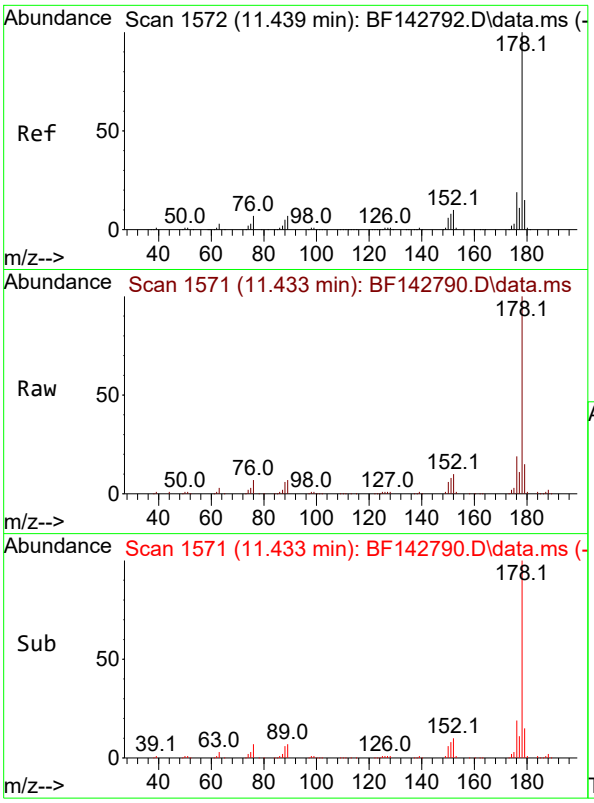


#70
Pentachlorophenol
Concen: 7.534 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:266 Resp: 13894

Ion	Ratio	Lower	Upper
266	100		
268	67.7	49.8	74.8
264	63.2	49.9	74.9



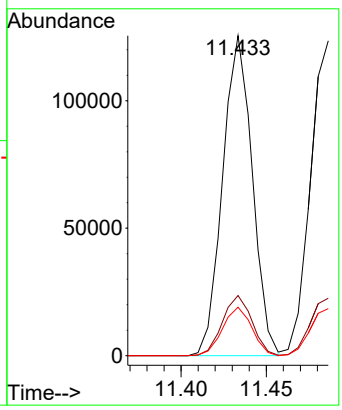


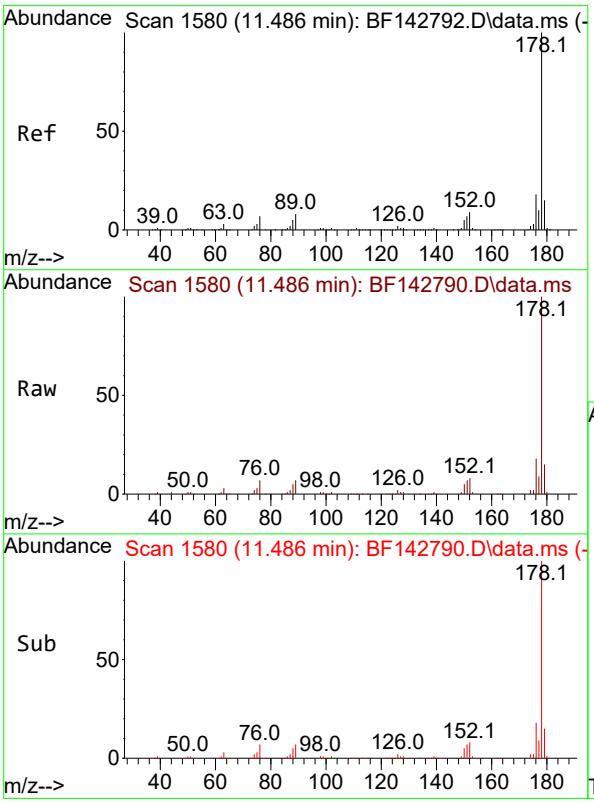
#71
Phenanthrene
Concen: 10.396 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 151997

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.1	12.0	18.0

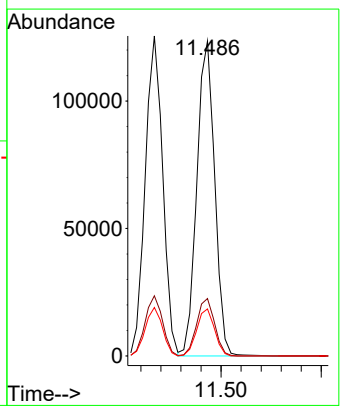


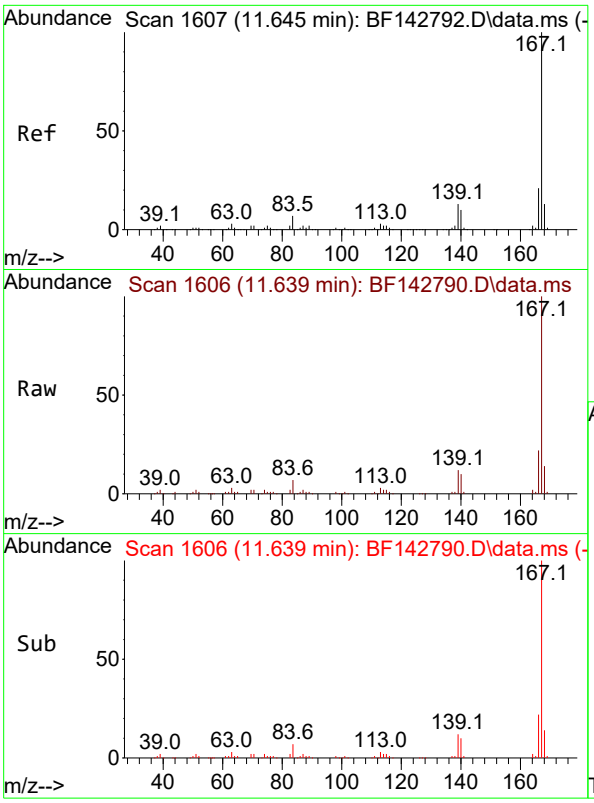


#72
Anthracene
Concen: 10.135 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:178 Resp: 153376

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	15.0	12.4	18.6



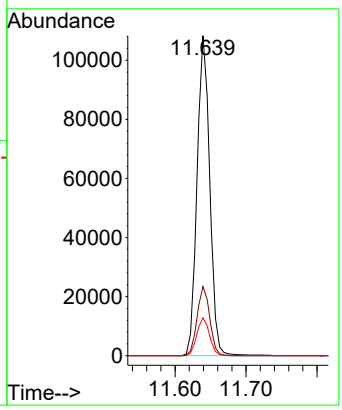


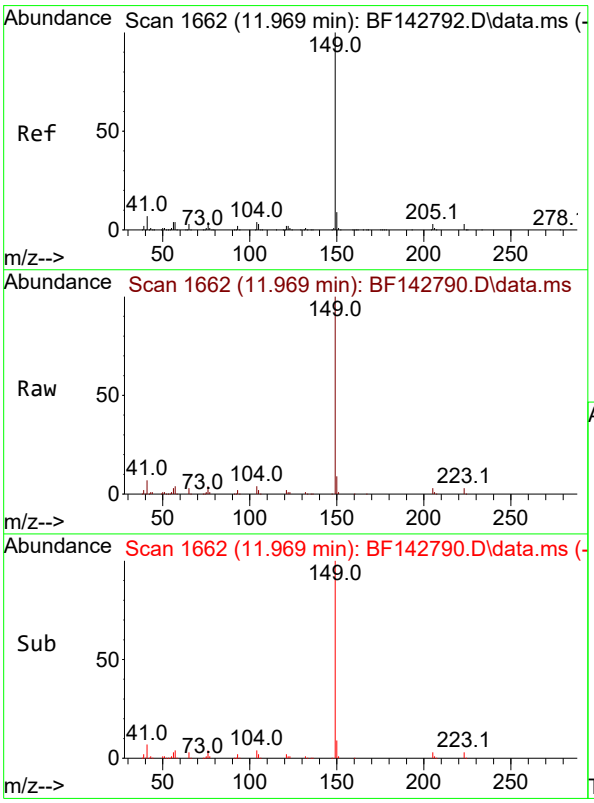
#73
Carbazole
Concen: 10.625 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 134656

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.4
139	11.8	10.2	15.2

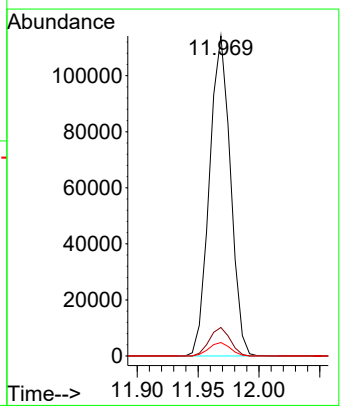


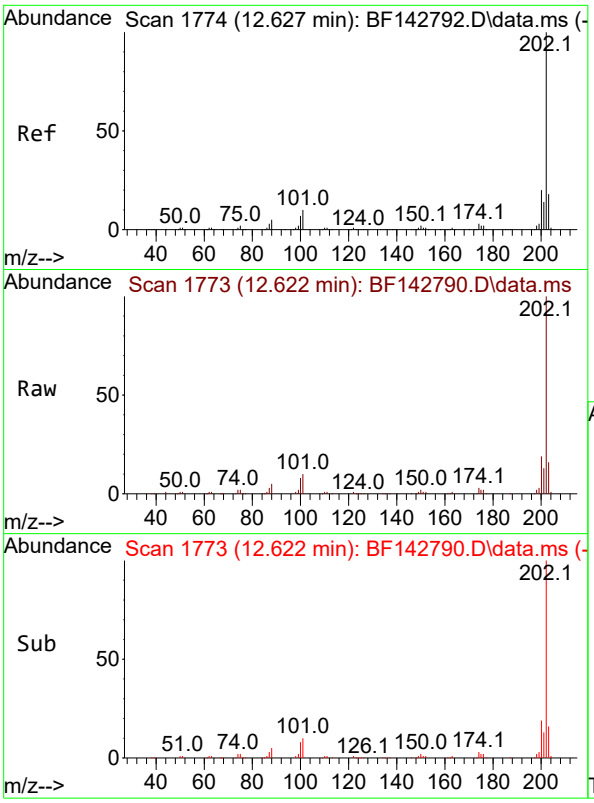


#74
Di-n-butylphthalate
Concen: 9.784 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:149 Resp: 137293

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.4	11.0
104	4.2	3.5	5.3



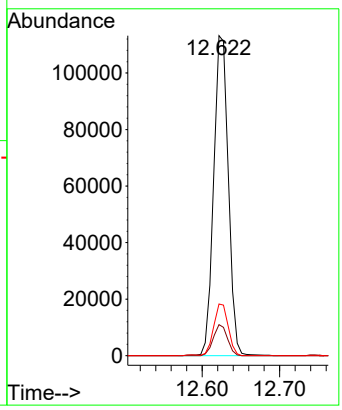


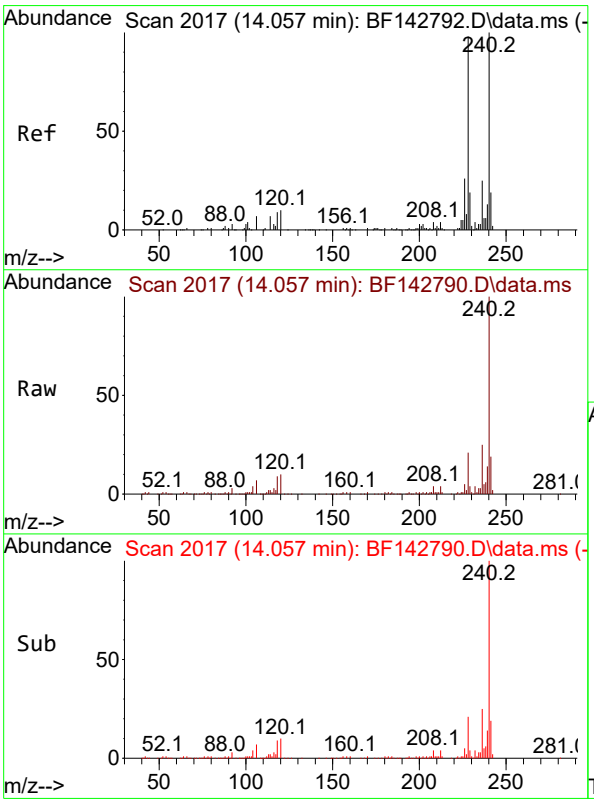
#75
Fluoranthene
Concen: 10.693 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 148540

Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	29.7
203	16.2	0.0	37.5

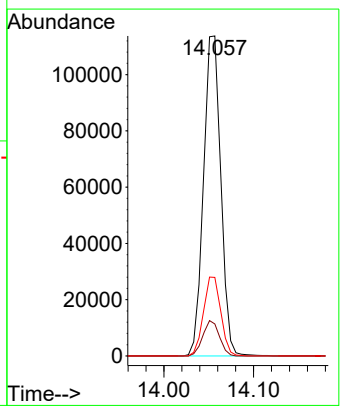


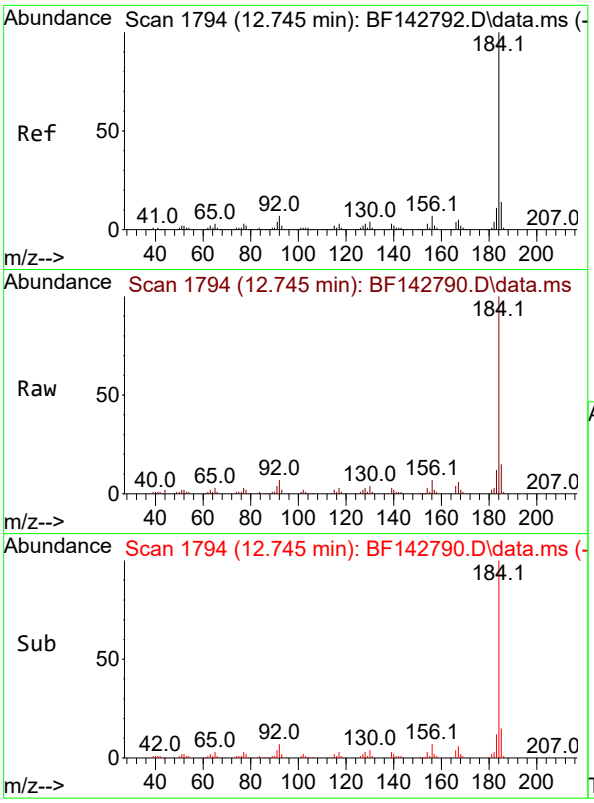


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:240 Resp: 152374

Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.2	12.2
236	24.6	19.8	29.8



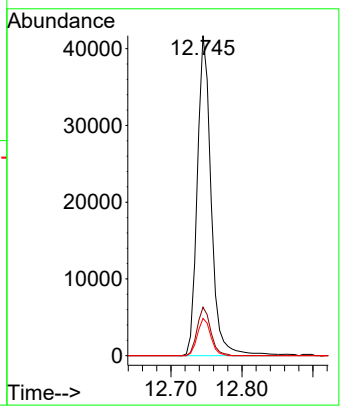


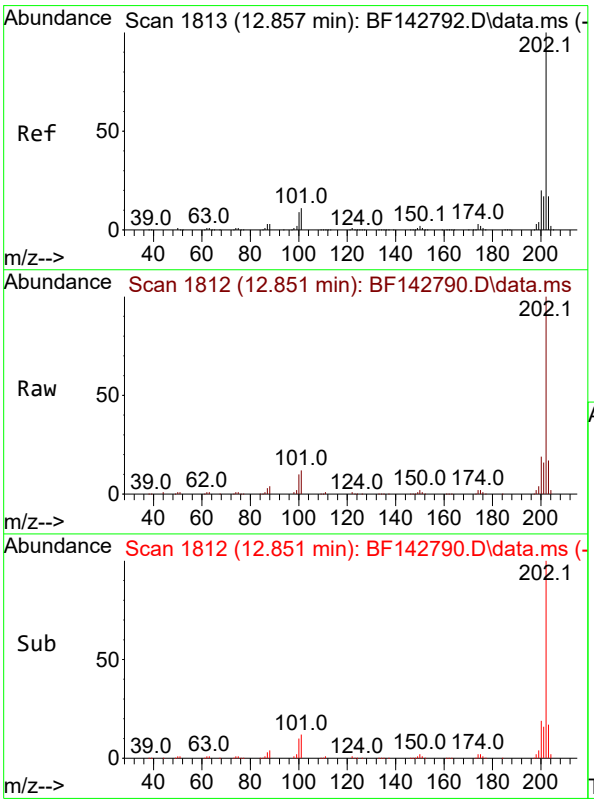
#77
Benzidine
Concen: 10.524 ng
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 56769

Ion	Ratio	Lower	Upper
184	100		
185	15.1	11.5	17.3
183	11.6	9.0	13.4

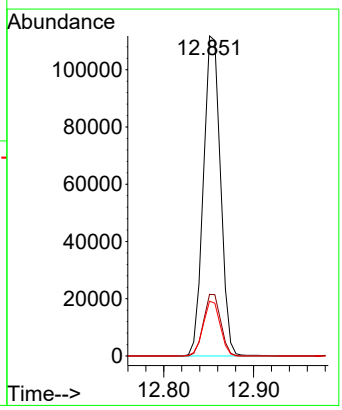


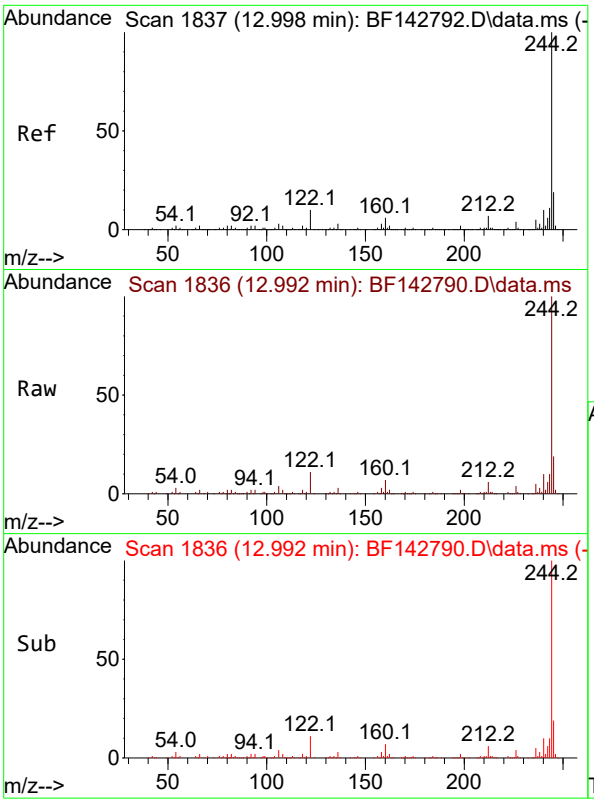


#78
Pyrene
Concen: 10.553 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:202 Resp: 147819

Ion	Ratio	Lower	Upper
202	100		
200	19.3	15.7	23.5
203	17.1	13.8	20.6



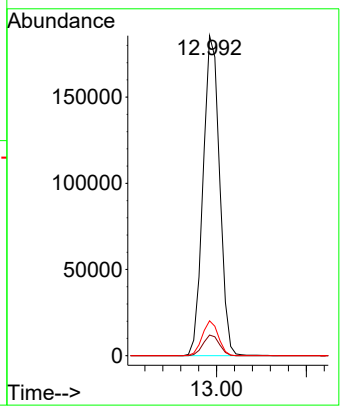


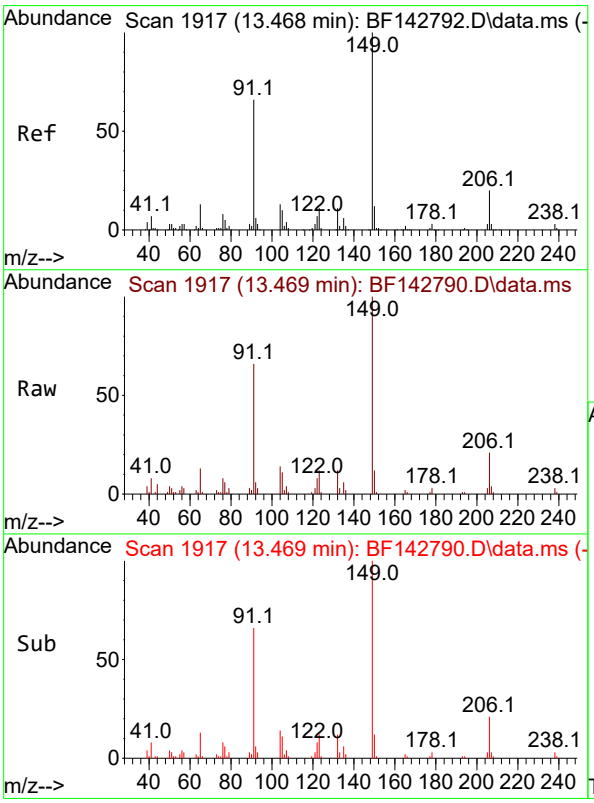
#79
Terphenyl-d14
Concen: 21.651 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 237037

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	10.9	8.2	12.2

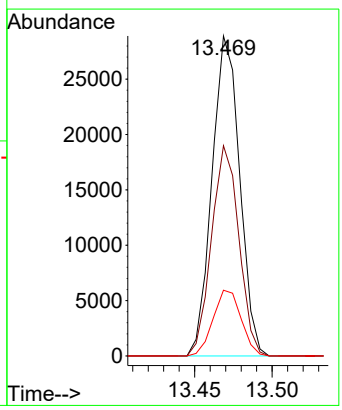


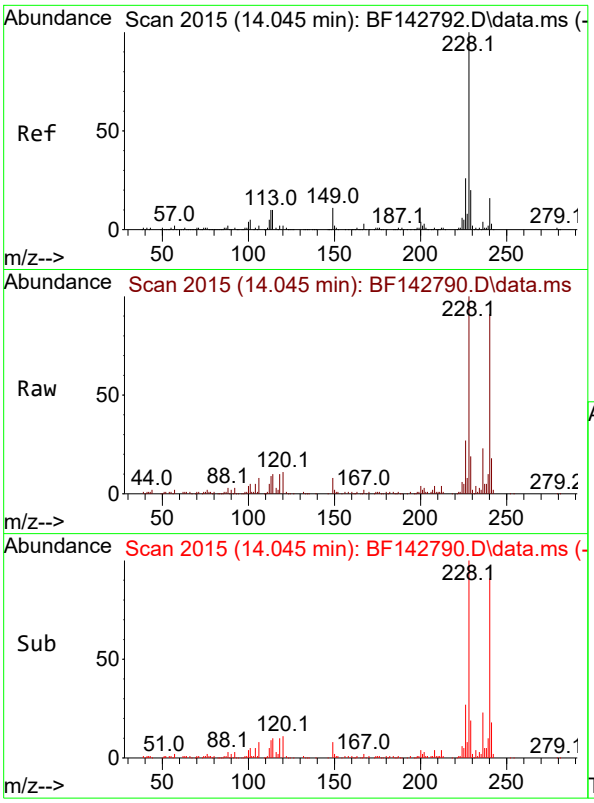


#80
Butylbenzylphthalate
Concen: 8.635 ng
RT: 13.469 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:149 Resp: 35843

Ion	Ratio	Lower	Upper
149	100		
91	65.7	52.9	79.3
206	20.5	16.3	24.5



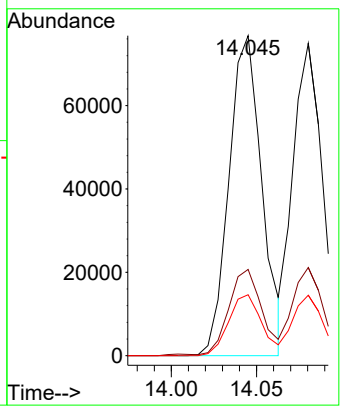


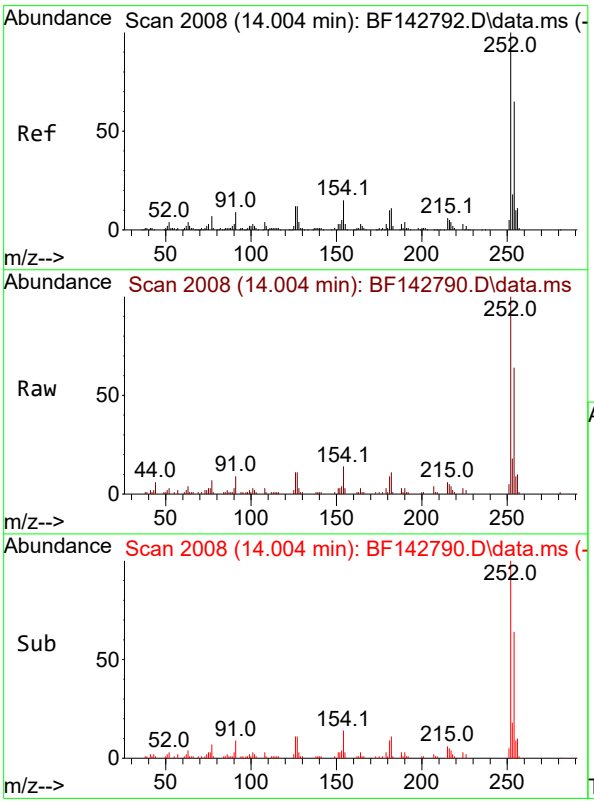
#81
Benzo(a)anthracene
Concen: 10.345 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 103495

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.2	31.8
229	19.1	15.6	23.4

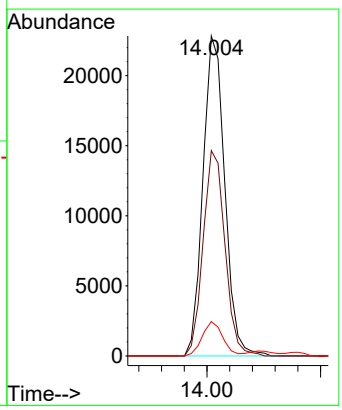


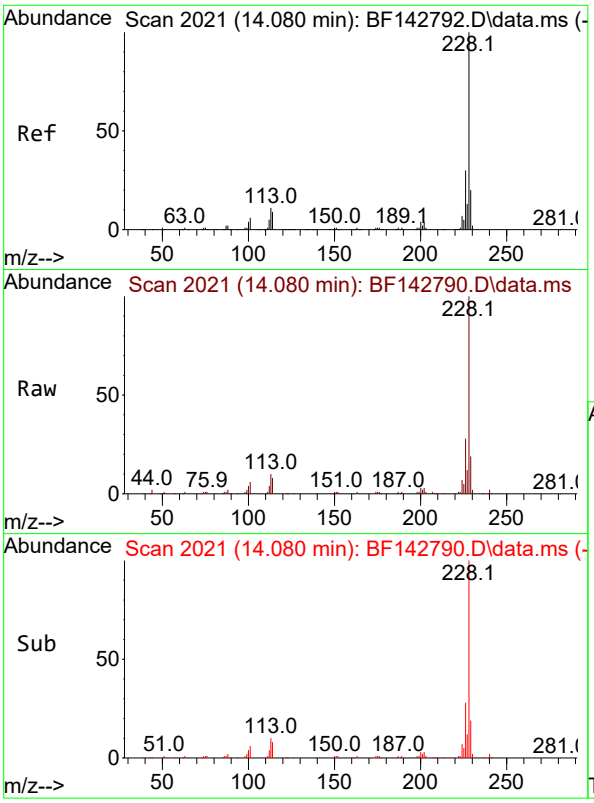


#82
3,3'-Dichlorobenzidine
Concen: 9.368 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:252 Resp: 30349

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.7	77.5
126	10.8	9.4	14.2



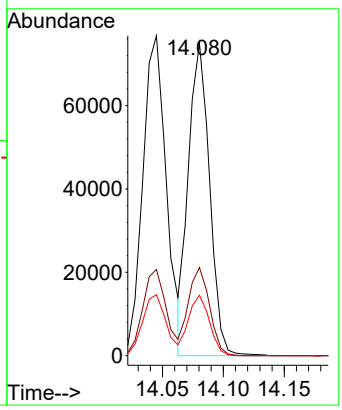


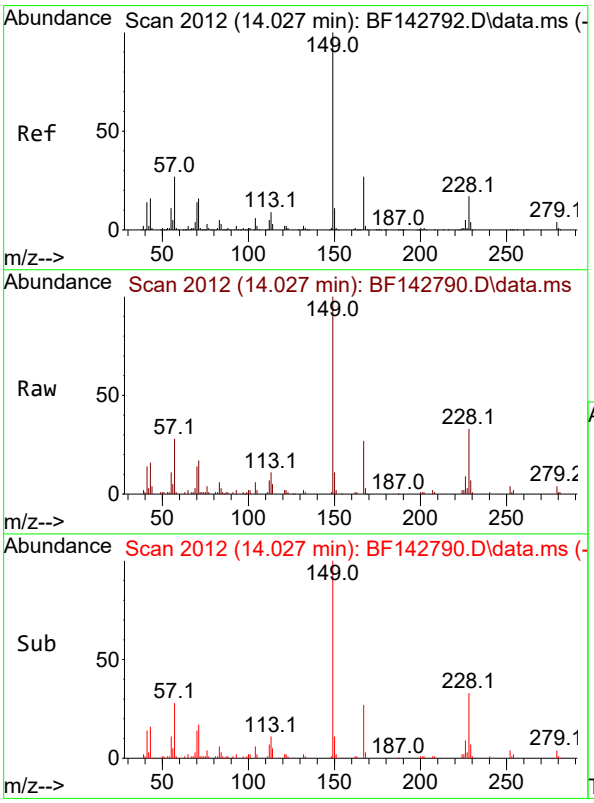
#83
Chrysene
Concen: 9.741 ng
RT: 14.080 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 90725

Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.7	35.5
229	19.4	15.7	23.5

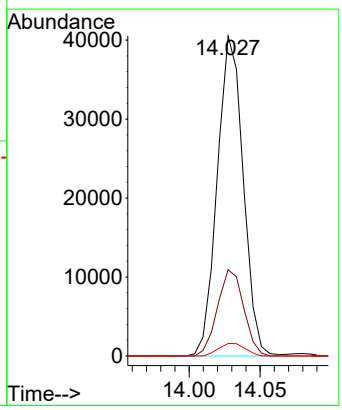


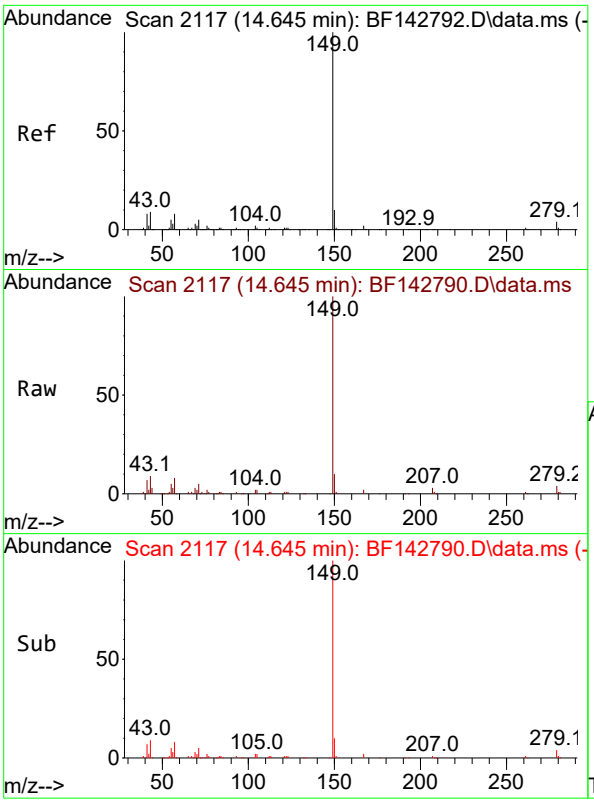


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.316 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:149 Resp: 51432

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.4	32.0
279	3.9	3.0	4.6



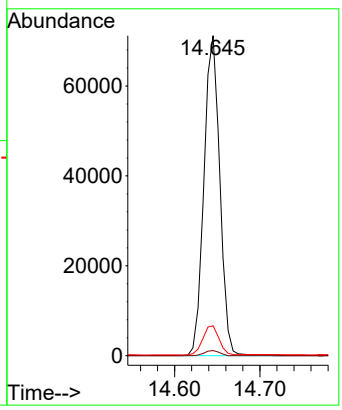


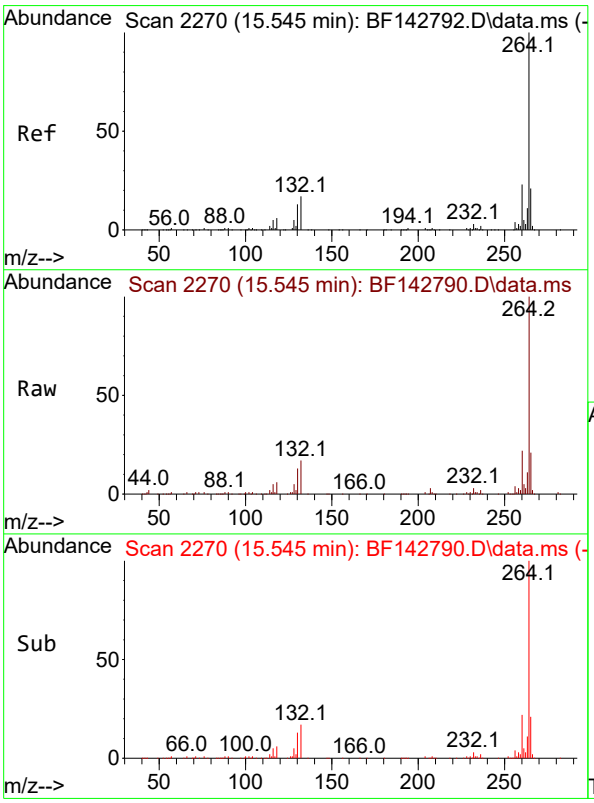
#85
Di-n-octyl phthalate
Concen: 7.805 ng
RT: 14.645 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 91989

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.3	7.6	11.4

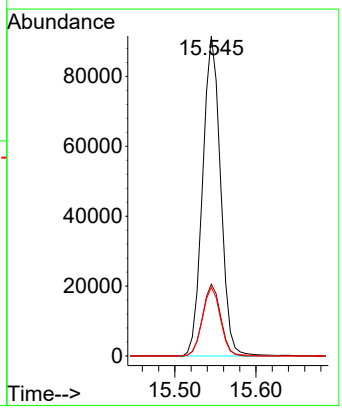


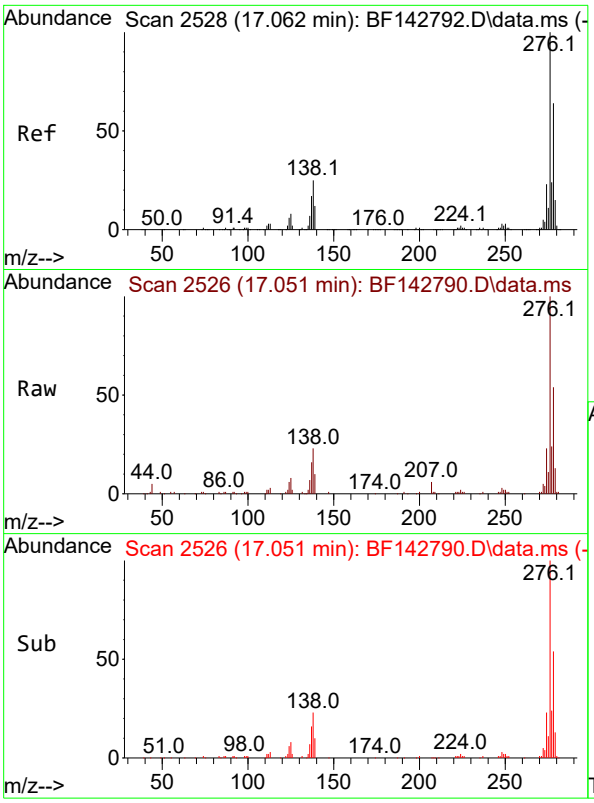


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:264 Resp: 140417

Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.1	27.1
265	21.5	16.6	25.0



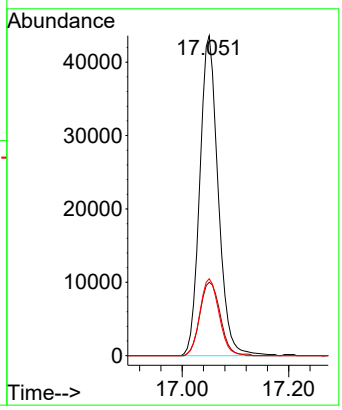


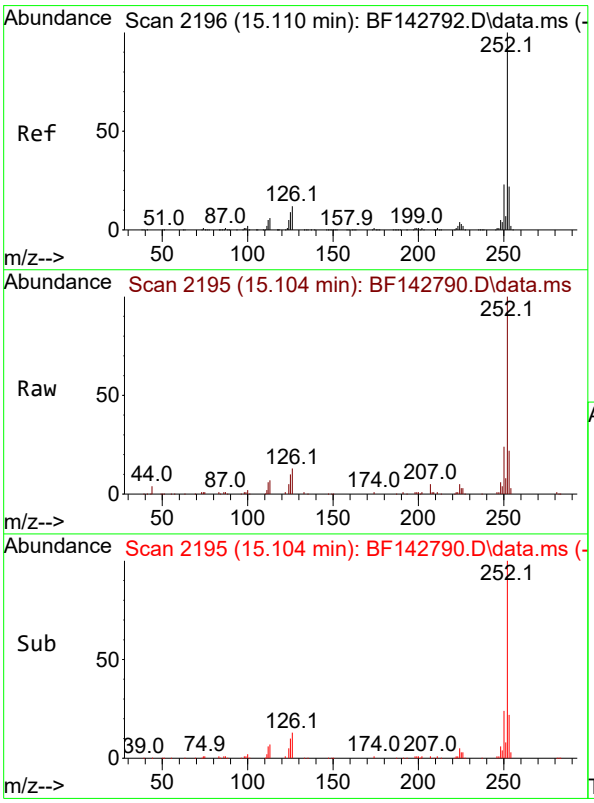
#87
Indeno(1,2,3-cd)pyrene
Concen: 10.061 ng
RT: 17.051 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 104445

Ion	Ratio	Lower	Upper
276	100		
138	25.4	20.2	30.4
277	25.0	19.8	29.6

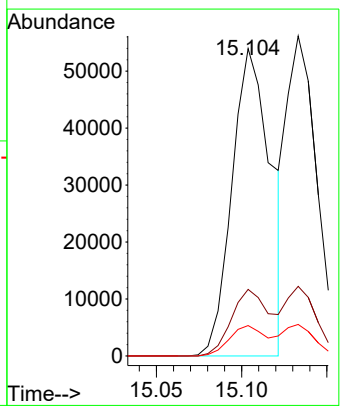


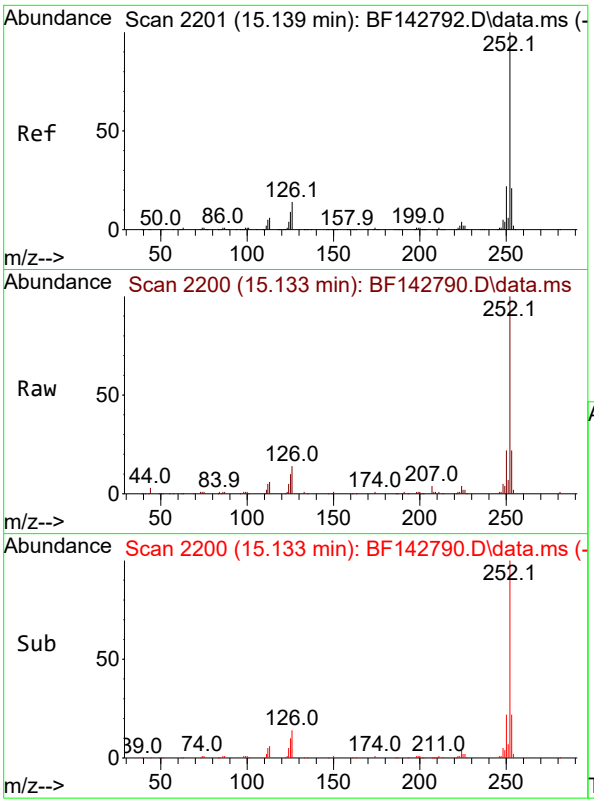


#88
Benzo(b)fluoranthene
Concen: 10.478 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:252 Resp: 85689

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	9.9	7.4	11.0



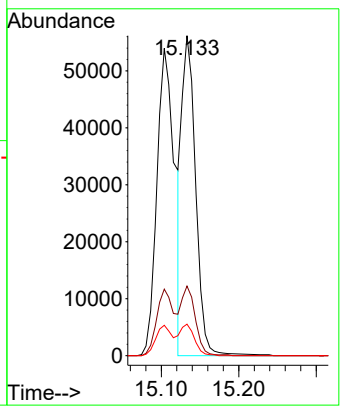


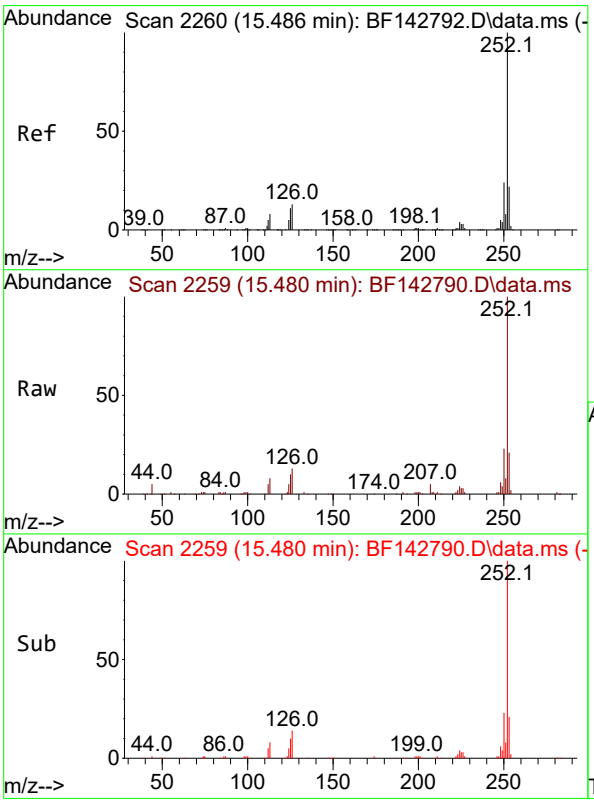
#89
Benzo(k)fluoranthene
Concen: 8.828 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 70470

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	9.9	7.4	11.2

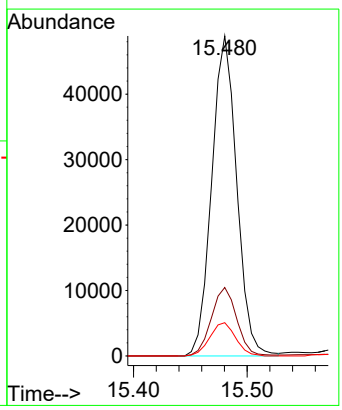


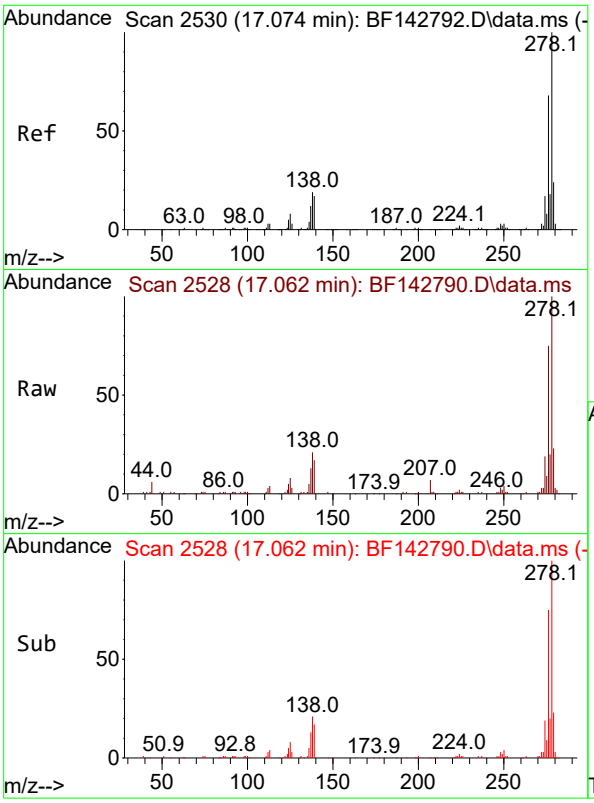


#90
Benzo(a)pyrene
Concen: 9.558 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:252 Resp: 74803

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	10.4	8.6	12.8



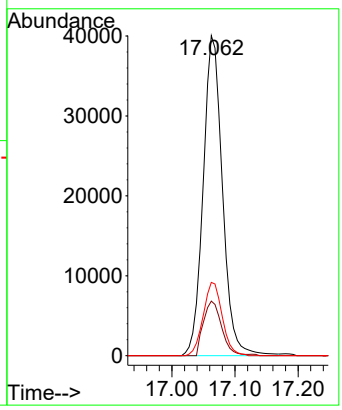


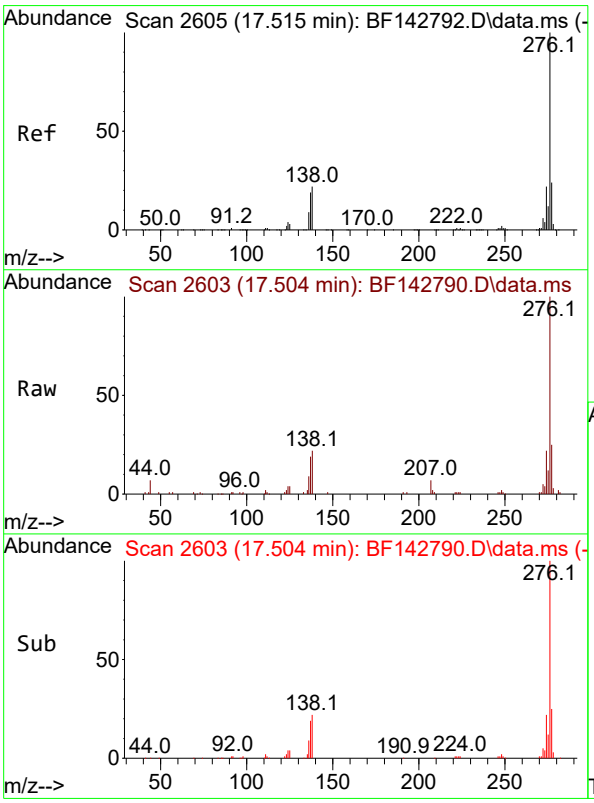
#91
Dibenzo(a,h)anthracene
Concen: 10.099 ng
RT: 17.062 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 85238

Ion	Ratio	Lower	Upper
278	100		
139	17.0	13.5	20.3
279	22.9	18.8	28.2

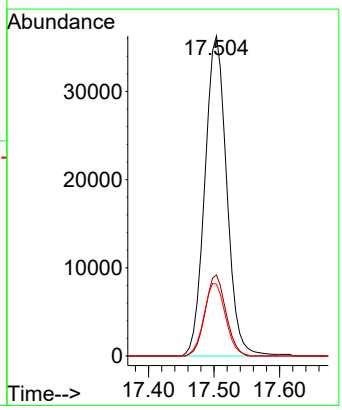




#92
Benzo(g,h,i)perylene
Concen: 9.989 ng
RT: 17.504 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:276 Resp: 84115

Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.8	28.2
138	22.5	17.6	26.4



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142791.D
Acq On : 19 Jun 2025 18:39
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Jun 20 04:39:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	83780	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	312367	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	164603	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	277149	20.000	ng	0.00
76) Chrysene-d12	14.057	240	151398	20.000	ng	0.00
86) Perylene-d12	15.545	264	151331	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	206126	41.963	ng	0.00
7) Phenol-d6	6.504	99	238437	41.338	ng	0.00
23) Nitrobenzene-d5	7.440	82	233268	40.933	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	70502	39.411	ng	0.00
45) 2-Fluorobiphenyl	9.240	172	524084	42.356	ng	0.00
79) Terphenyl-d14	12.998	244	464214	42.675	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.640	88	39464	20.232	ng	99
3) Pyridine	3.410	79	99721	20.419	ng	99
4) n-Nitrosodimethylamine	3.346	42	51716	20.677	ng	94
6) Aniline	6.540	93	158463	20.499	ng	99
8) 2-Chlorophenol	6.663	128	108230	20.235	ng	99
9) Benzaldehyde	6.428	77	79008	22.467	ng	99
10) Phenol	6.516	94	133318	20.730	ng	99
11) bis(2-Chloroethyl)ether	6.610	93	94972	19.905	ng	99
12) 1,3-Dichlorobenzene	6.822	146	123139	20.218	ng	99
13) 1,4-Dichlorobenzene	6.899	146	123337	19.980	ng	99
14) 1,2-Dichlorobenzene	7.051	146	118033	20.001	ng	100
15) Benzyl Alcohol	7.016	79	85856	19.885	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	152035	20.224	ng	99
17) 2-Methylphenol	7.128	107	82097	20.077	ng	99
18) Hexachloroethane	7.393	117	42435	19.229	ng	96
19) n-Nitroso-di-n-propyla...	7.287	70	69761	19.178	ng	99
20) 3+4-Methylphenols	7.281	107	105750	20.547	ng	97
22) Acetophenone	7.287	105	143274	20.730	ng	99
24) Nitrobenzene	7.463	77	103569	20.450	ng	97
25) Isophorone	7.698	82	185071	19.365	ng	100
26) 2-Nitrophenol	7.781	139	56979	20.191	ng	99
27) 2,4-Dimethylphenol	7.816	122	99256	20.659	ng	100
28) bis(2-Chloroethoxy)met...	7.910	93	119505	20.087	ng	99
29) 2,4-Dichlorophenol	8.022	162	90497	20.437	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	99320	20.304	ng	99
31) Naphthalene	8.187	128	313467	20.405	ng	100
32) Benzoic acid	7.898	122	45969	17.245	ng	98
33) 4-Chloroaniline	8.234	127	127623	20.729	ng	99
34) Hexachlorobutadiene	8.304	225	61994	20.001	ng	98
35) Caprolactam	8.587	113	23555	19.769	ng	98
36) 4-Chloro-3-methylphenol	8.710	107	89279	19.518	ng	99
37) 2-Methylnaphthalene	8.881	142	196609	20.287	ng	100
38) 1-Methylnaphthalene	8.975	142	202898	20.165	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	99104	20.857	ng	99
41) Hexachlorocyclopentadiene	9.028	237	50669	16.864	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	64786	21.069	ng	97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142791.D
Acq On : 19 Jun 2025 18:39
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Jun 20 04:39:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

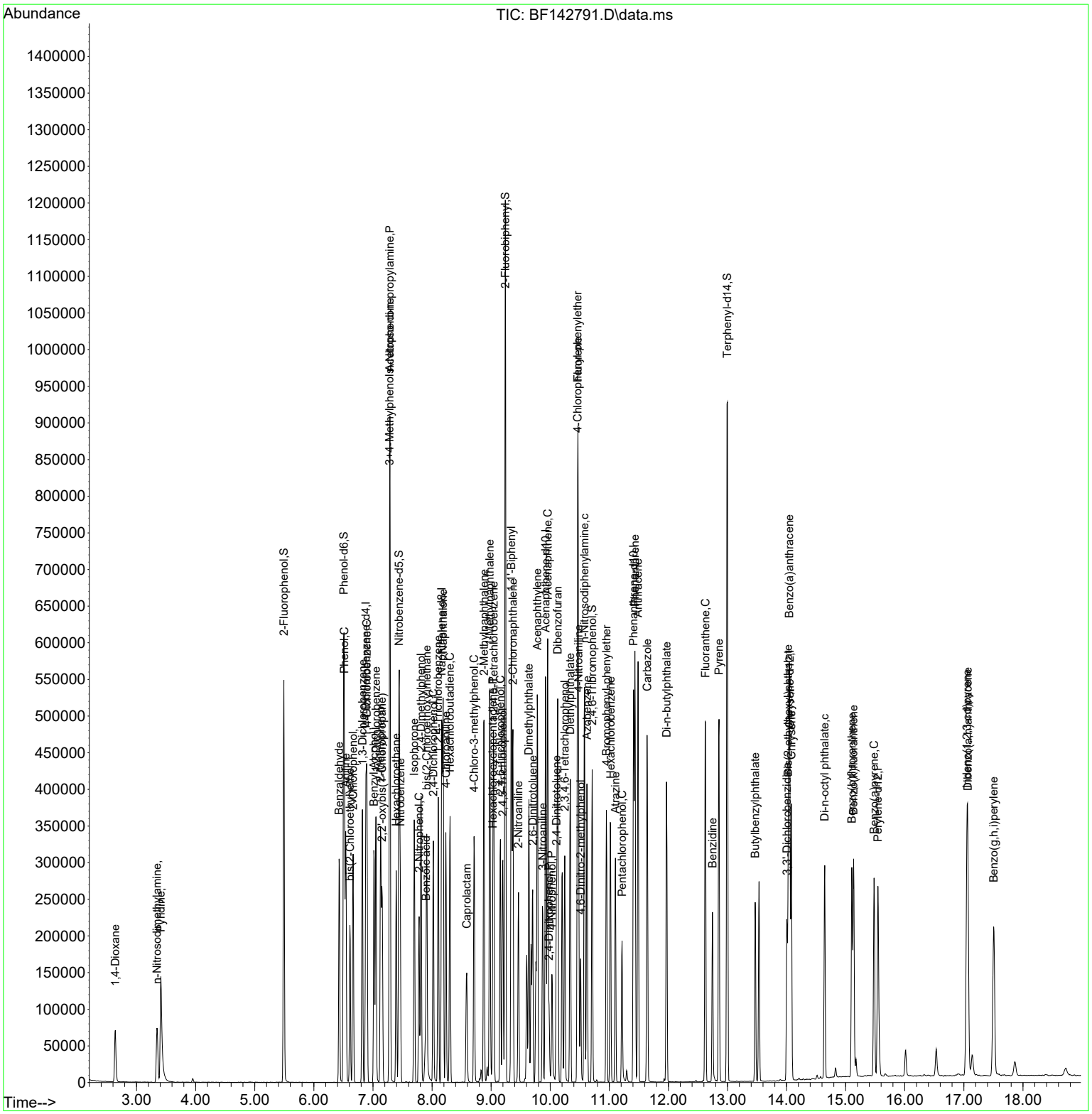
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	69275	20.862	ng	98
46) 1,1'-Biphenyl	9.340	154	269396	21.078	ng	100
47) 2-Chloronaphthalene	9.369	162	198874	21.087	ng	99
48) 2-Nitroaniline	9.463	65	55412	20.681	ng	96
49) Acenaphthylene	9.781	152	331018	20.878	ng	99
50) Dimethylphthalate	9.640	163	218901	20.049	ng	100
51) 2,6-Dinitrotoluene	9.704	165	47707	20.156	ng	99
52) Acenaphthene	9.957	154	204192	20.813	ng	99
53) 3-Nitroaniline	9.875	138	52088	20.261	ng	98
54) 2,4-Dinitrophenol	9.981	184	21231	16.576	ng	97
55) Dibenzofuran	10.128	168	290254	20.736	ng	98
56) 4-Nitrophenol	10.028	139	35937	20.593	ng	98
57) 2,4-Dinitrotoluene	10.104	165	65367	20.887	ng	98
58) Fluorene	10.469	166	229569	20.780	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	55799	20.042	ng	96
60) Diethylphthalate	10.339	149	217133	20.020	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	110133	20.526	ng	98
62) 4-Nitroaniline	10.481	138	48947	21.208	ng	96
63) Azobenzene	10.622	77	192057	20.263	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	32946	19.130	ng	99
66) n-Nitrosodiphenylamine	10.581	169	196840	20.670	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	65137	20.068	ng	97
68) Hexachlorobenzene	11.022	284	71354	19.802	ng	98
69) Atrazine	11.104	200	49963	19.760	ng	99
70) Pentachlorophenol	11.216	266	33089	17.680	ng	97
71) Phenanthrene	11.434	178	309015	20.826	ng	100
72) Anthracene	11.486	178	318388	20.730	ng	100
73) Carbazole	11.639	167	276824	21.523	ng	99
74) Di-n-butylphthalate	11.969	149	289686	20.342	ng	100
75) Fluoranthene	12.628	202	302035	21.424	ng	99
77) Benzidine	12.745	184	130162	24.285	ng	99
78) Pyrene	12.857	202	297999	21.413	ng	100
80) Butylbenzylphthalate	13.469	149	81500	19.761	ng	99
81) Benzo(a)anthracene	14.045	228	206831	20.807	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	66675	20.714	ng	97
83) Chrysene	14.080	228	182829	19.756	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	116092	18.892	ng	99
85) Di-n-octyl phthalate	14.645	149	204632	17.475	ng	99
87) Indeno(1,2,3-cd)pyrene	17.051	276	233757	20.893	ng	99
88) Benzo(b)fluoranthene	15.104	252	185574	21.056	ng	99
89) Benzo(k)fluoranthene	15.133	252	156588	18.201	ng	99
90) Benzo(a)pyrene	15.480	252	170053	20.162	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	195608	21.504	ng	98
92) Benzo(g,h,i)perylene	17.504	276	191567	21.109	ng	99

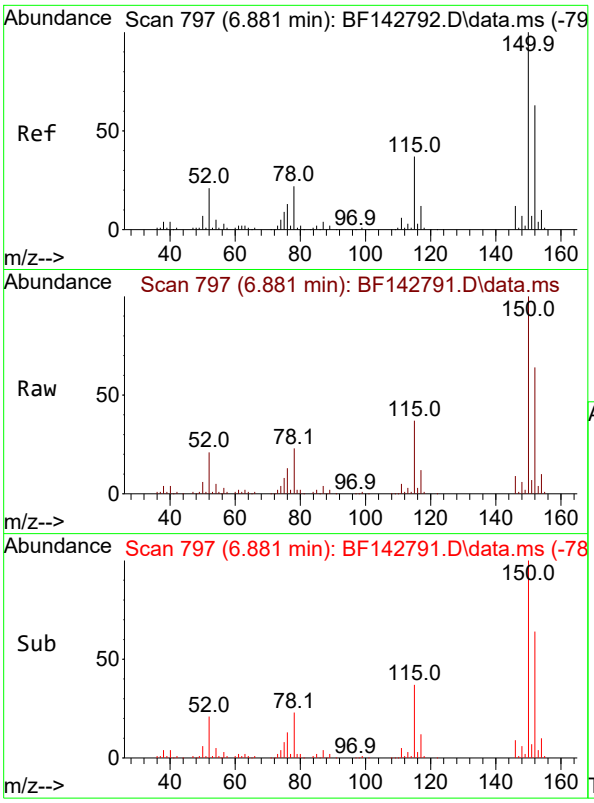
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142791.D
Acq On : 19 Jun 2025 18:39
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Jun 20 04:39:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



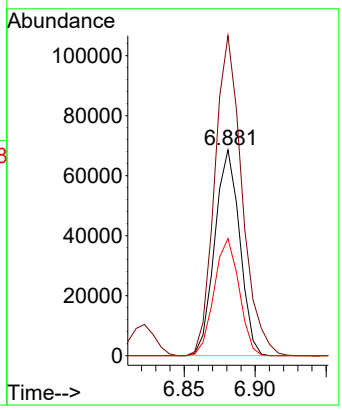


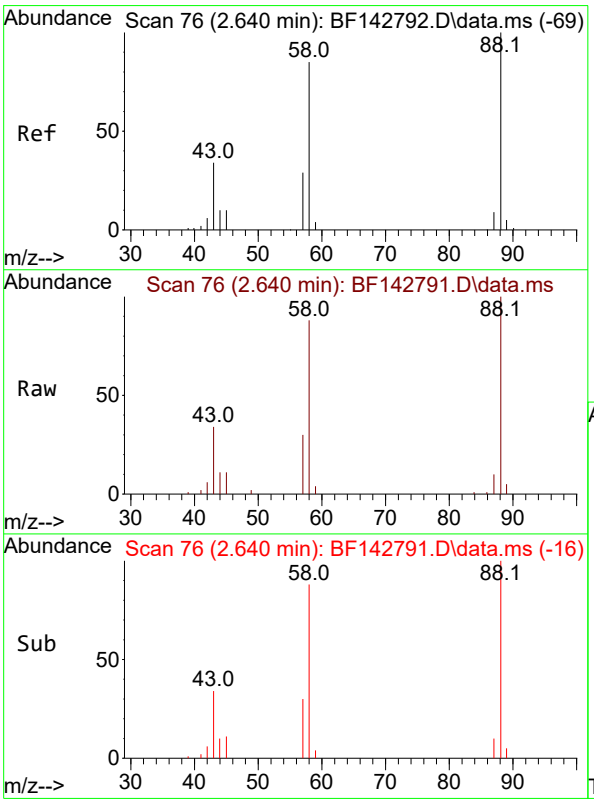
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 83780

Ion	Ratio	Lower	Upper
152	100		
150	155.5	127.2	190.8
115	56.9	46.6	69.8

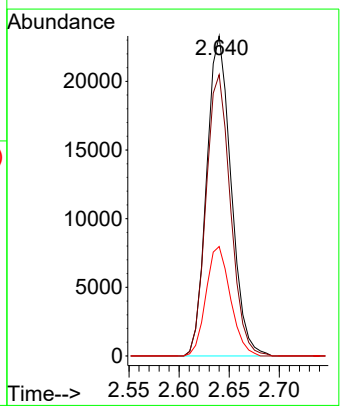


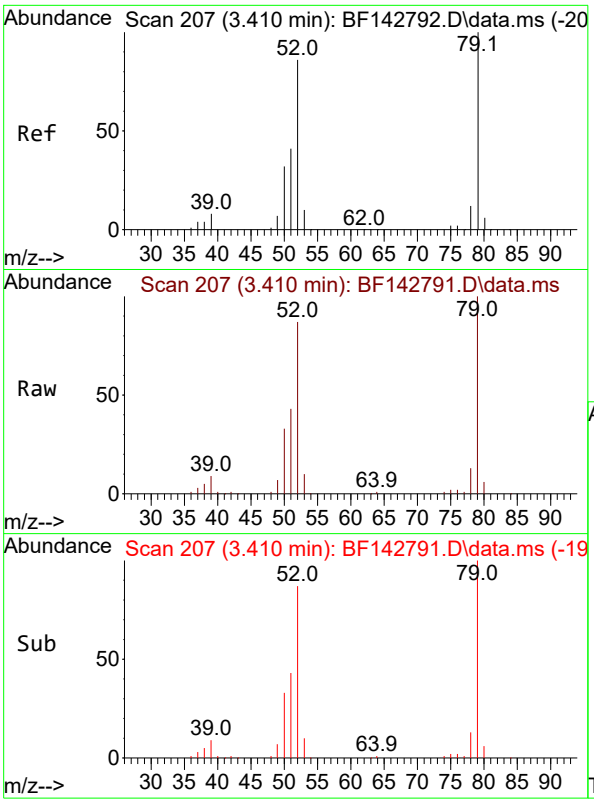


#2
1,4-Dioxane
Concen: 20.232 ng
RT: 2.640 min Scan# 76
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion: 88 Resp: 39464

Ion	Ratio	Lower	Upper
88	100		
58	87.5	69.1	103.7
43	34.2	27.4	41.2



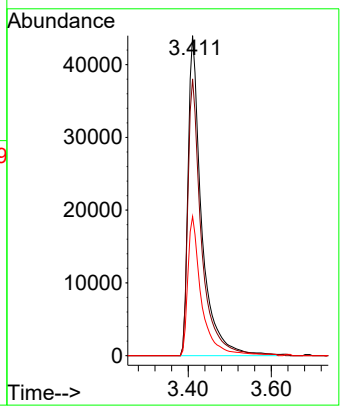


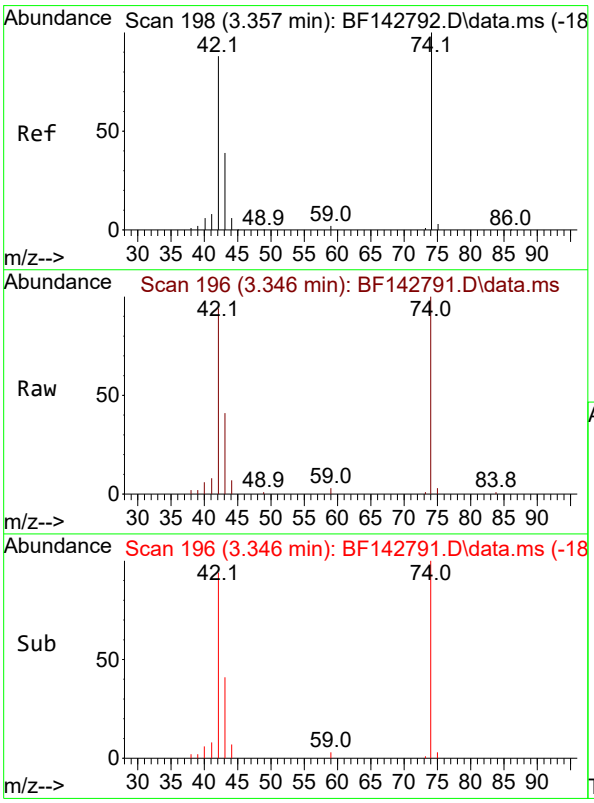
#3
Pyridine
Concen: 20.419 ng
RT: 3.410 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 99721

Ion	Ratio	Lower	Upper
79	100		
52	86.5	69.2	103.8
51	43.5	33.2	49.8

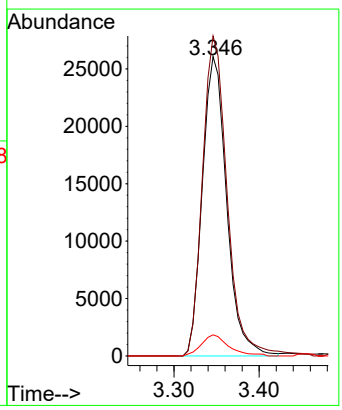


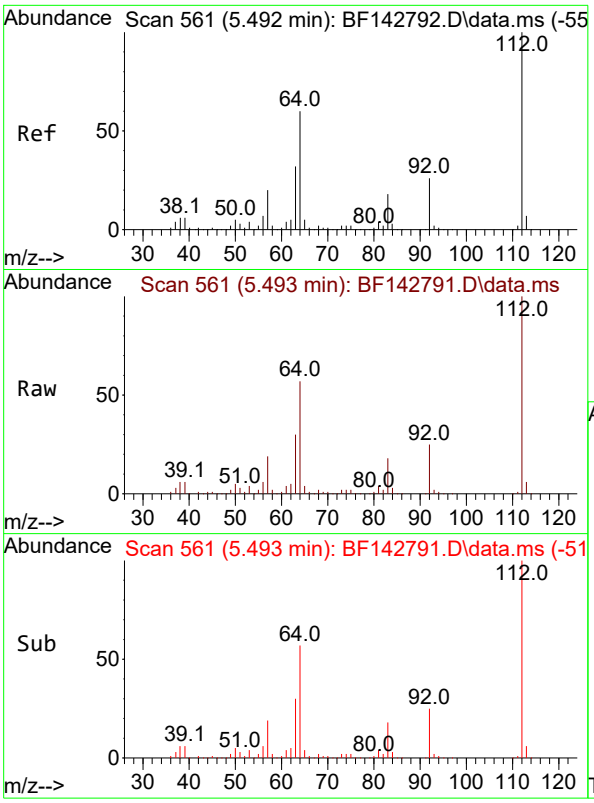


#4
n-Nitrosodimethylamine
Concen: 20.677 ng
RT: 3.346 min Scan# 196
Delta R.T. -0.012 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion: 42 Resp: 51716

Ion	Ratio	Lower	Upper
42	100		
74	106.9	90.9	136.3
44	7.1	5.8	8.6



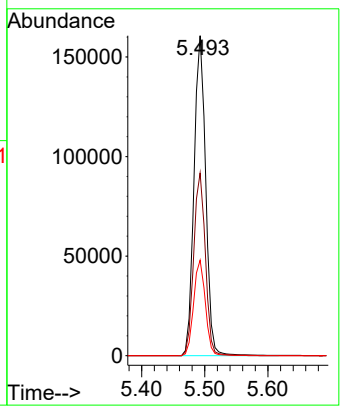


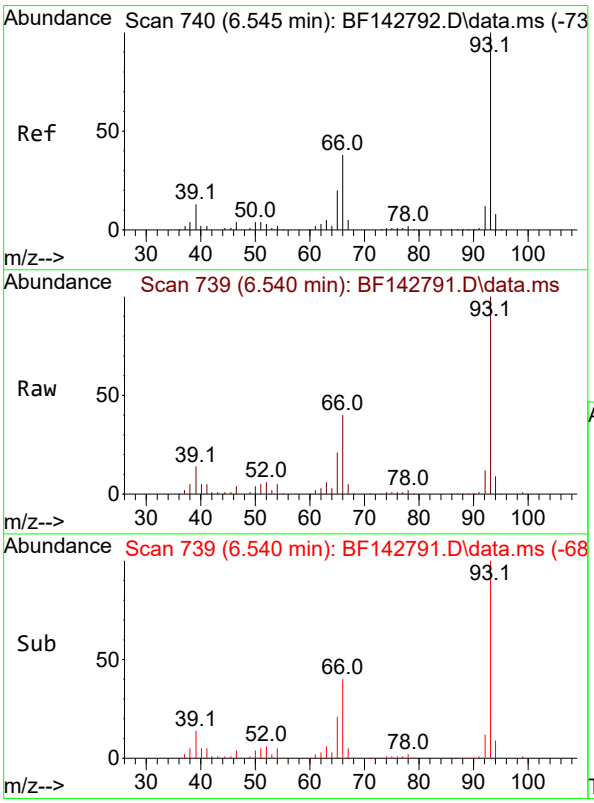
#5
2-Fluorophenol
Concen: 41.963 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 206126

Ion	Ratio	Lower	Upper
112	100		
64	57.1	48.2	72.2
63	29.9	25.7	38.5

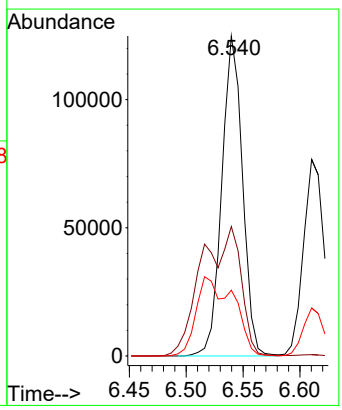


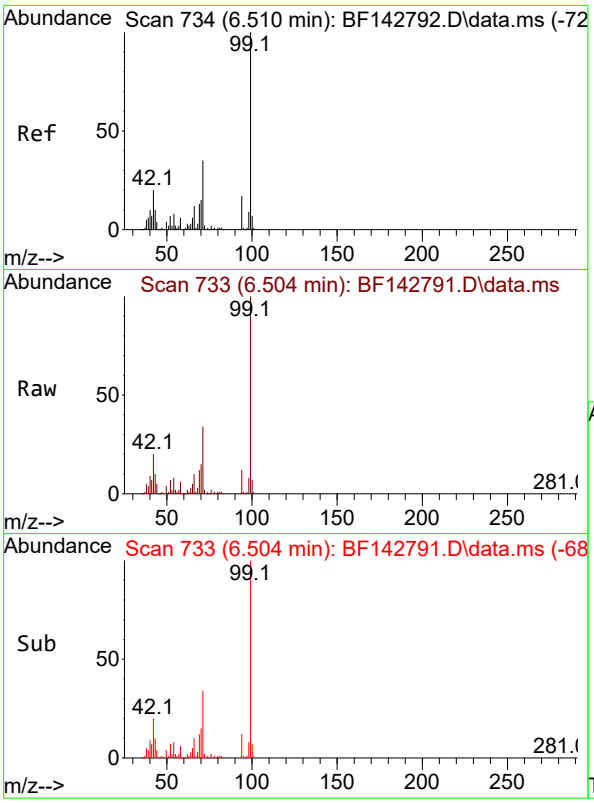


#6
Aniline
Concen: 20.499 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion: 93 Resp: 158463

Ion	Ratio	Lower	Upper
93	100		
66	40.4	31.8	47.6
65	20.6	16.2	24.2



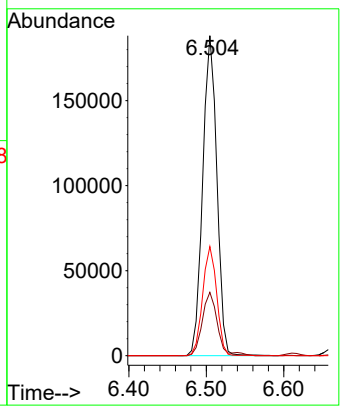


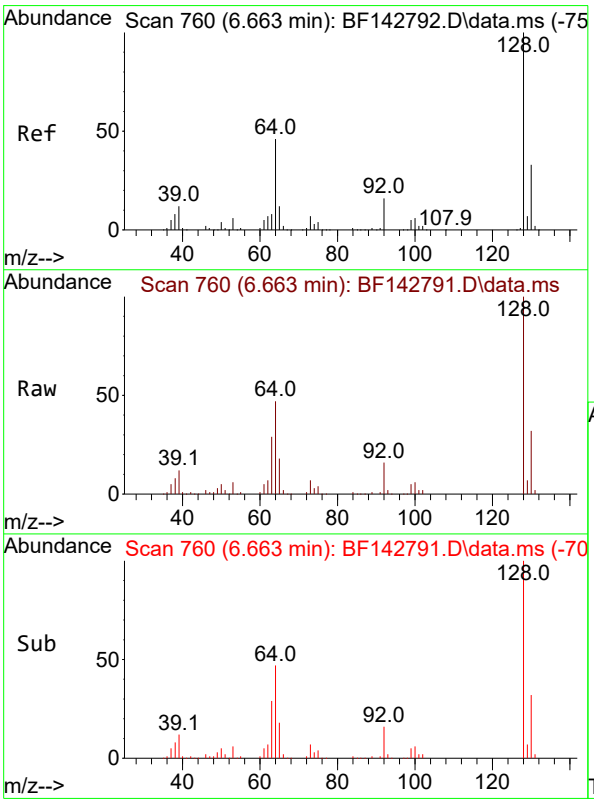
#7
Phenol-d6
Concen: 41.338 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 238437

Ion	Ratio	Lower	Upper
99	100		
42	19.8	15.9	23.9
71	34.1	27.8	41.8

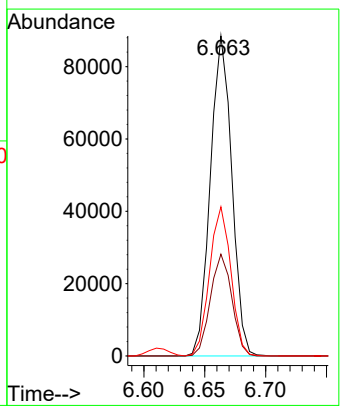


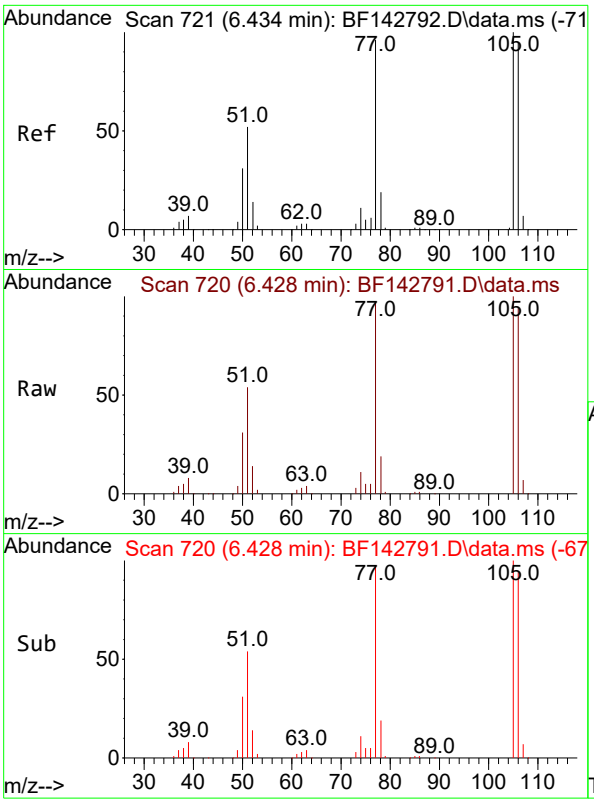


#8
2-Chlorophenol
Concen: 20.235 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:128 Resp: 108230

Ion	Ratio	Lower	Upper
128	100		
130	31.8	12.7	52.7
64	46.6	26.5	66.5



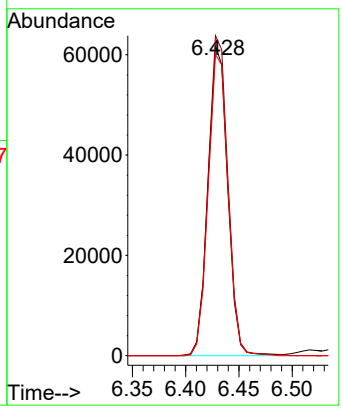


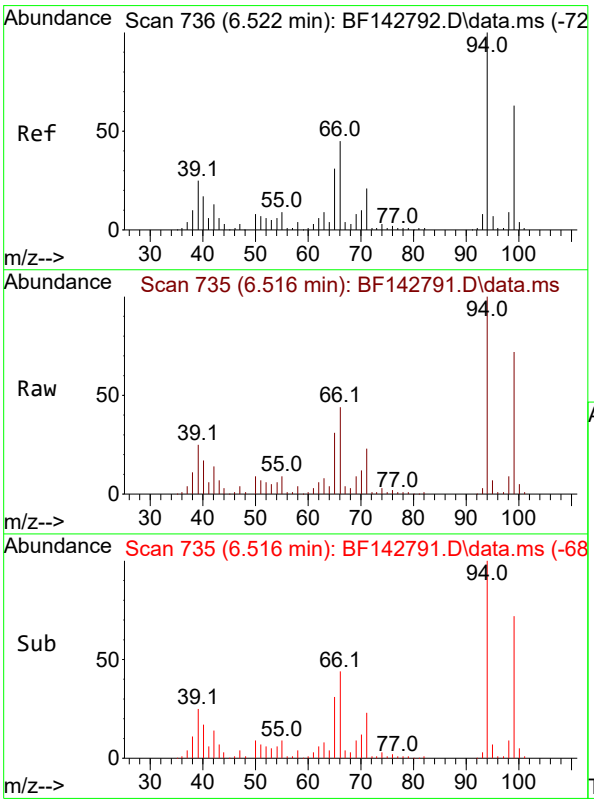
#9
Benzaldehyde
Concen: 22.467 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 79008

Ion	Ratio	Lower	Upper
77	100		
105	103.4	83.8	123.8
106	97.4	78.7	118.7

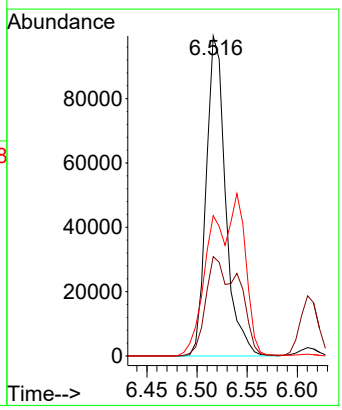


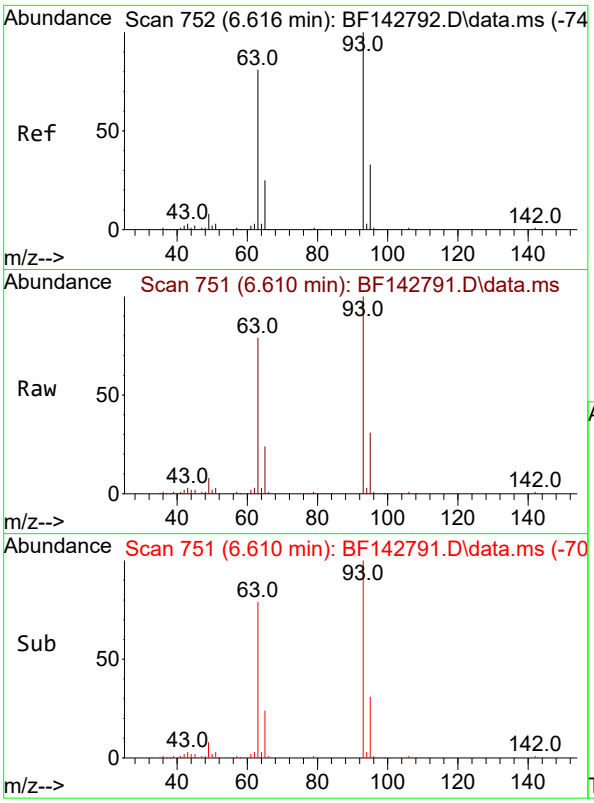


#10
Phenol
Concen: 20.730 ng
RT: 6.516 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion: 94 Resp: 133318

Ion	Ratio	Lower	Upper
94	100		
65	31.0	11.3	51.3
66	43.8	24.9	64.9



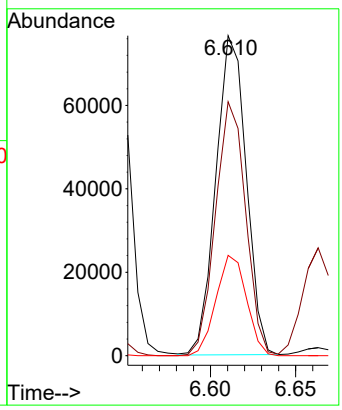


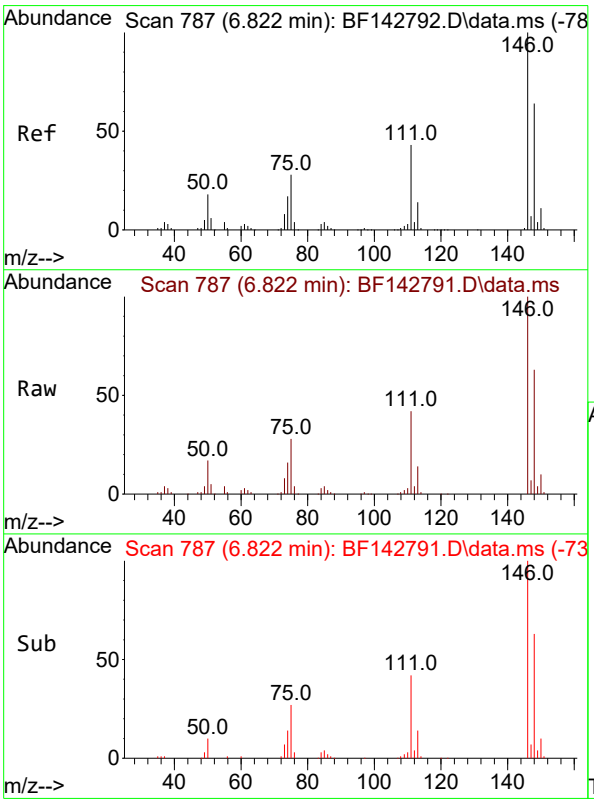
#11
bis(2-Chloroethyl)ether
Concen: 19.905 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 94972

Ion	Ratio	Lower	Upper
93	100		
63	79.3	60.3	100.3
95	31.3	12.5	52.5

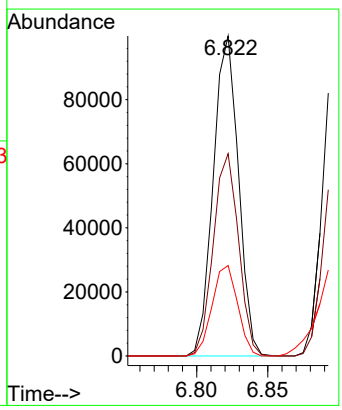


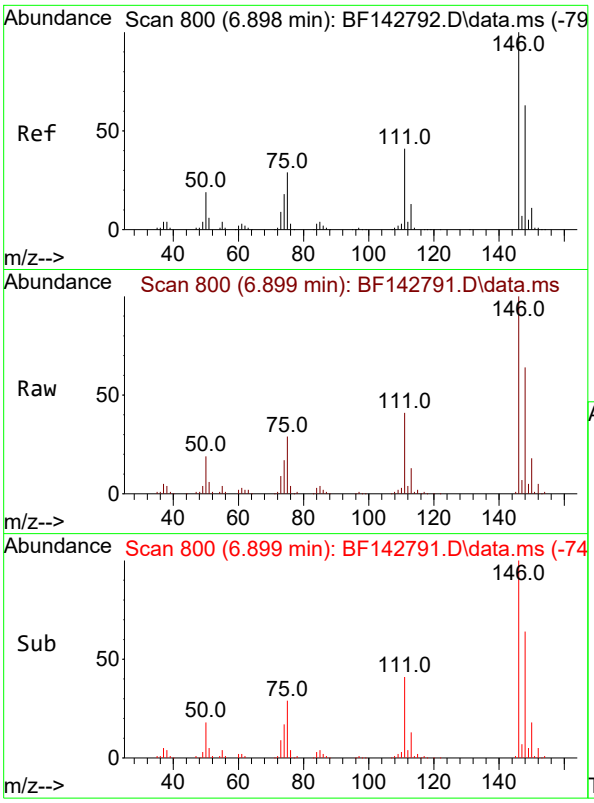


#12
1,3-Dichlorobenzene
Concen: 20.218 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:146 Resp: 123139

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.1	76.7
75	28.2	22.7	34.1



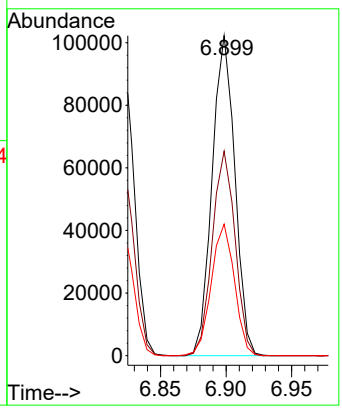


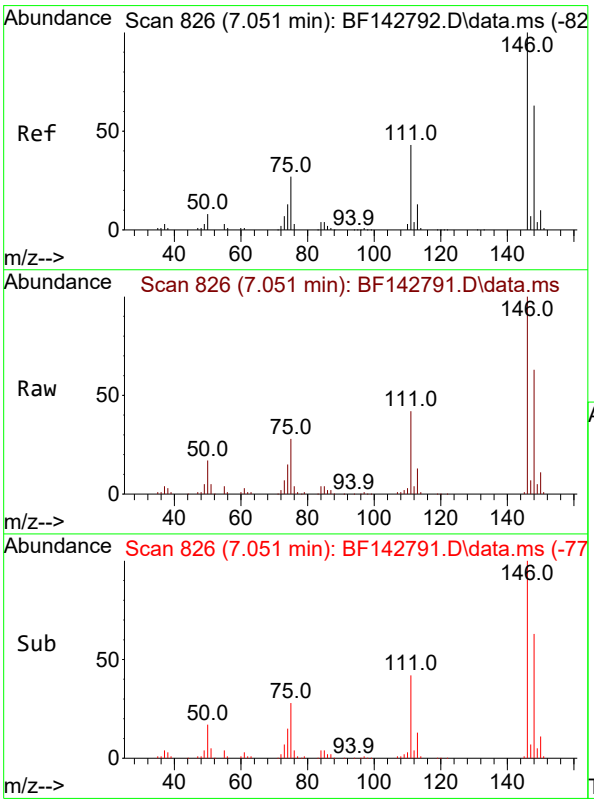
#13
1,4-Dichlorobenzene
Concen: 19.980 ng
RT: 6.899 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 123337

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.2	75.2
111	41.1	33.2	49.8

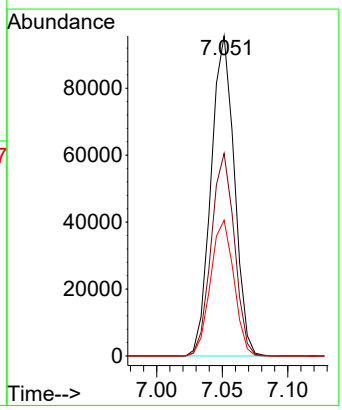


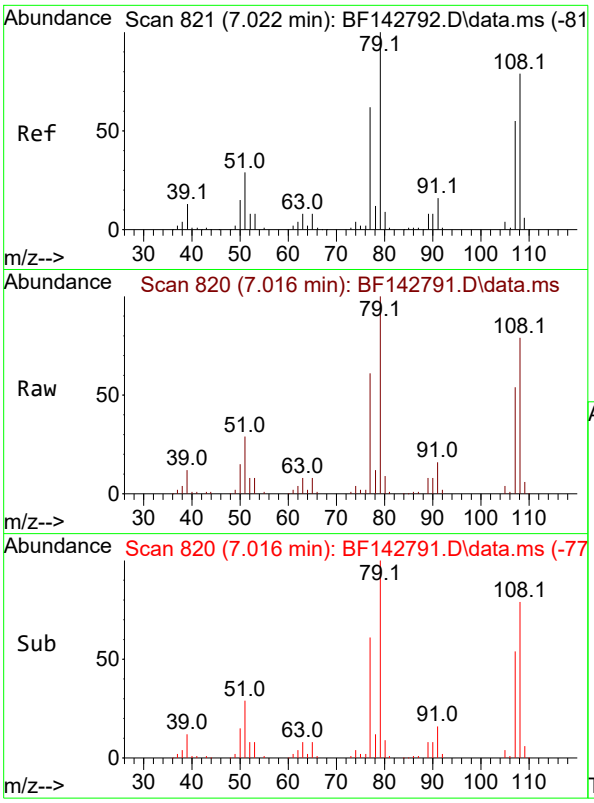


#14
1,2-Dichlorobenzene
Concen: 20.001 ng
RT: 7.051 min Scan# 826
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:146 Resp: 118033

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.4	75.6
111	42.4	34.1	51.1



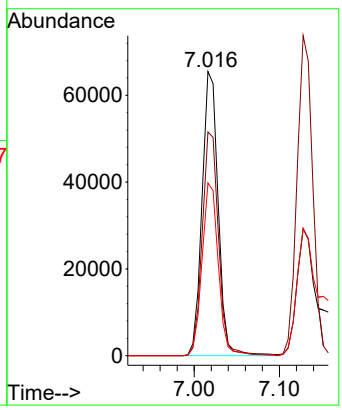


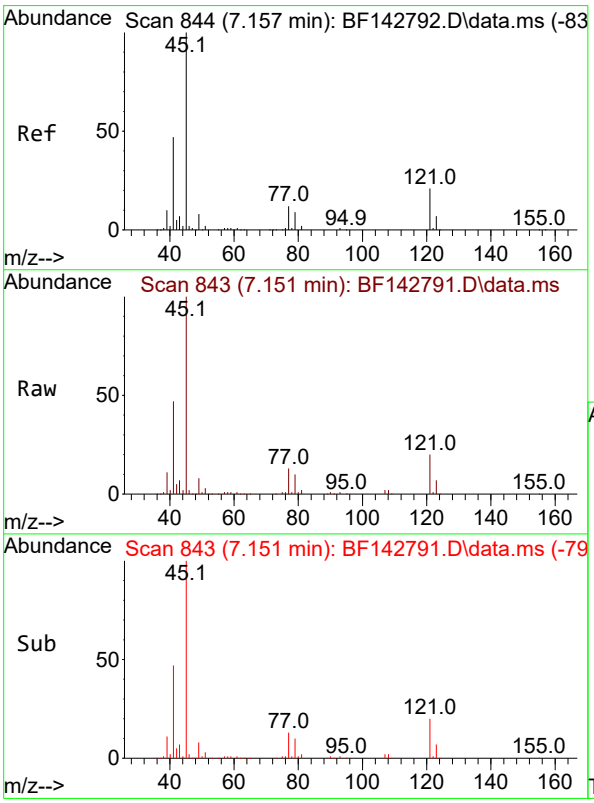
#15
Benzyl Alcohol
Concen: 19.885 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 85856

Ion	Ratio	Lower	Upper
79	100		
108	78.7	63.4	95.0
77	60.8	49.5	74.3

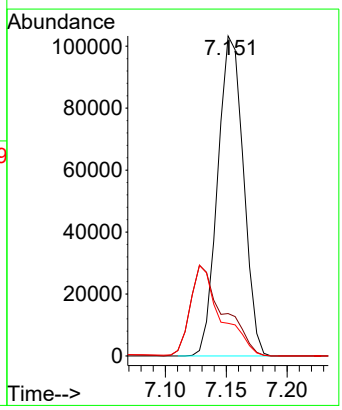


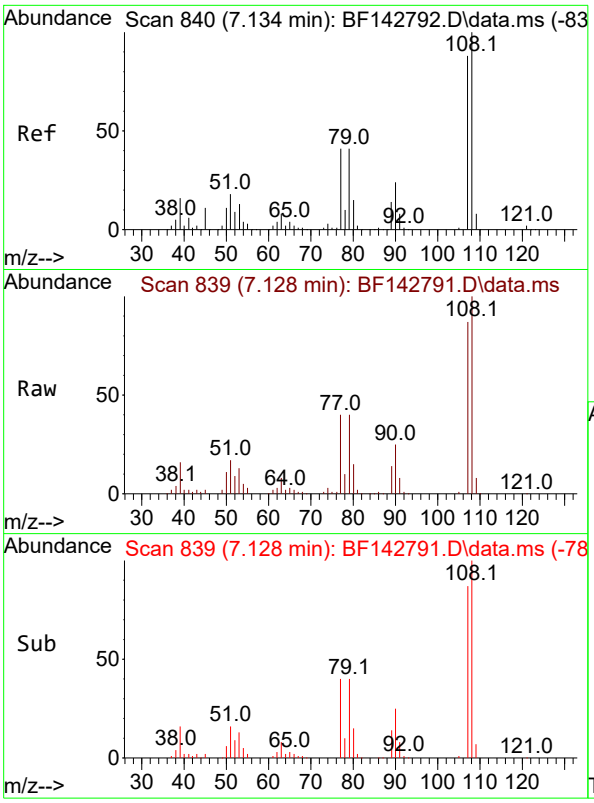


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.224 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion: 45 Resp: 152035

Ion	Ratio	Lower	Upper
45	100		
77	13.2	0.0	32.8
79	10.2	0.0	29.8



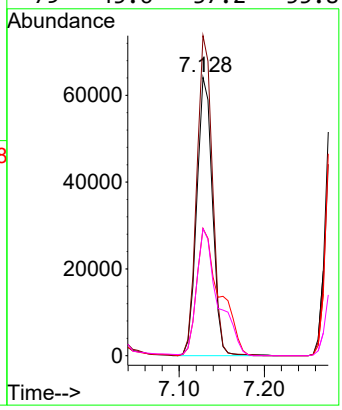


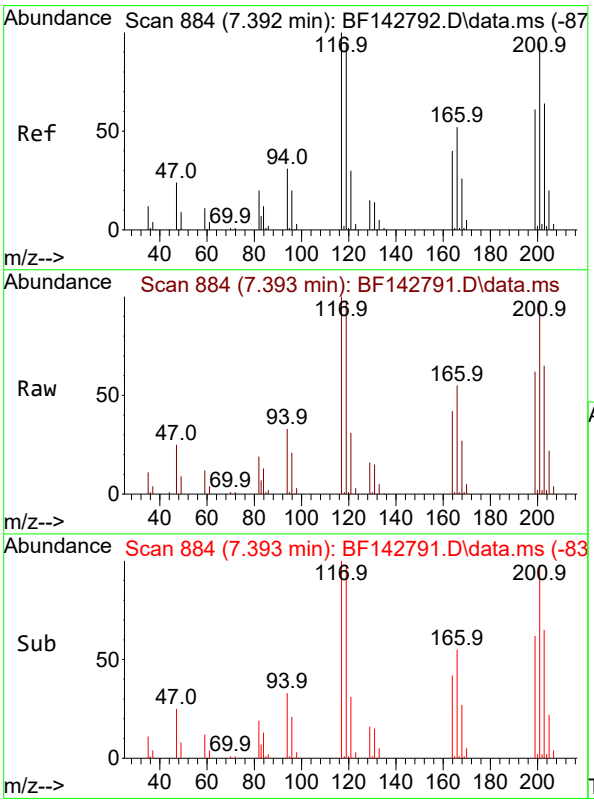
#17
2-Methylphenol
Concen: 20.077 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 82097

Ion	Ratio	Lower	Upper
107	100		
108	115.0	90.9	136.3
77	45.7	37.3	55.9
79	45.6	37.2	55.8

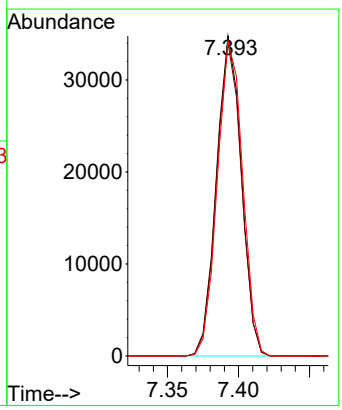


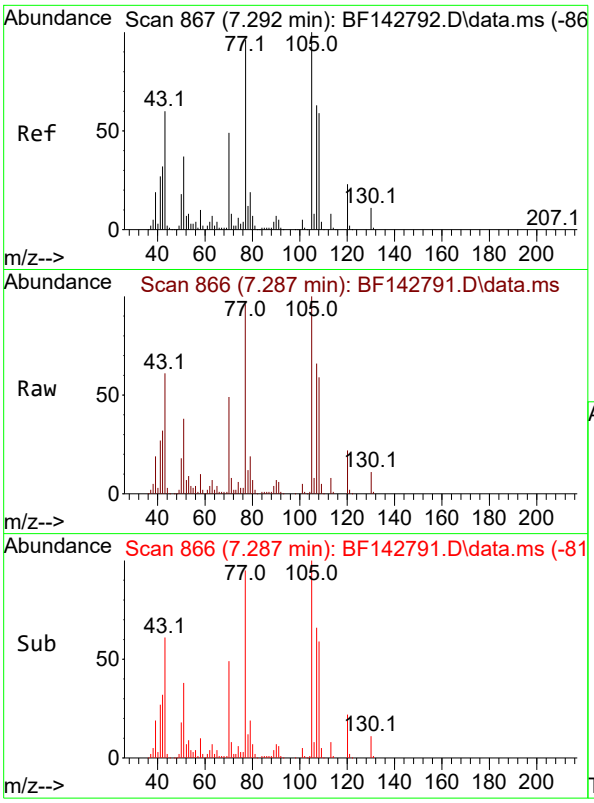


#18
Hexachloroethane
Concen: 19.229 ng
RT: 7.393 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:117 Resp: 42435

Ion	Ratio	Lower	Upper
117	100		
119	97.9	75.4	113.0
201	98.3	75.9	113.9



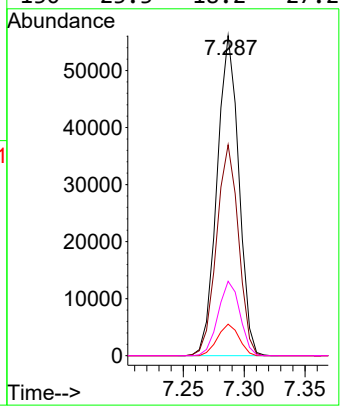


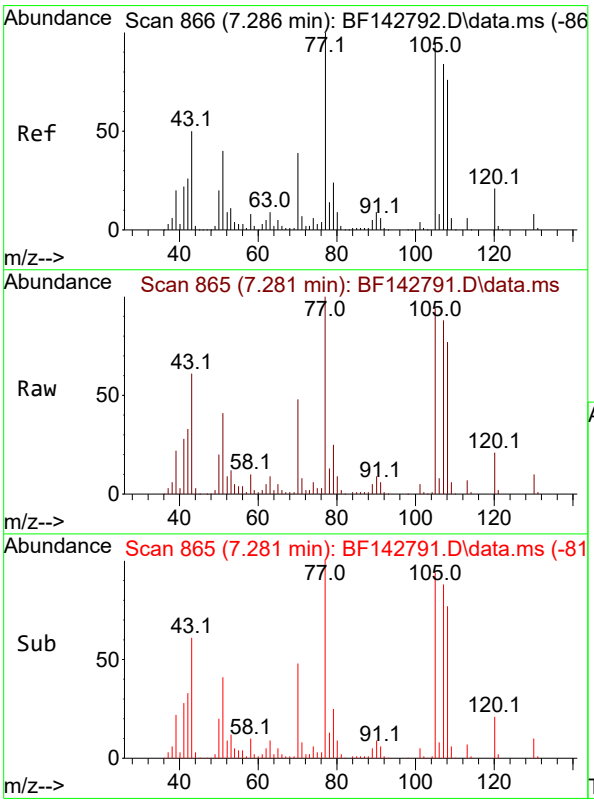
#19
n-Nitroso-di-n-propylamine
Concen: 19.178 ng
RT: 7.287 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 69761

Ion	Ratio	Lower	Upper
70	100		
42	65.9	52.1	78.1
101	9.8	8.2	12.2
130	23.3	18.2	27.2

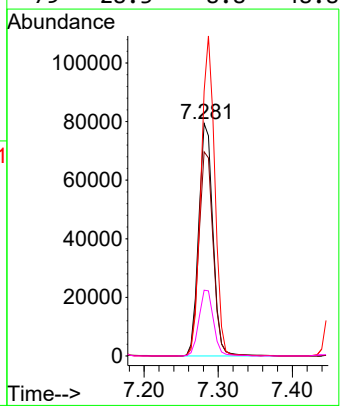


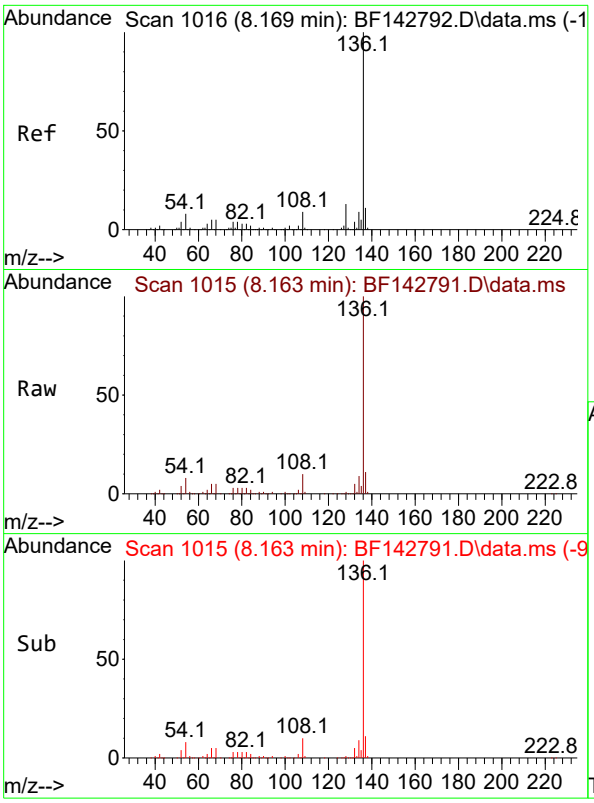


#20
3+4-Methylphenols
Concen: 20.547 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:107 Resp: 105750

Ion	Ratio	Lower	Upper
107	100		
108	87.9	70.0	110.0
77	113.9	98.5	138.5
79	28.3	8.8	48.8



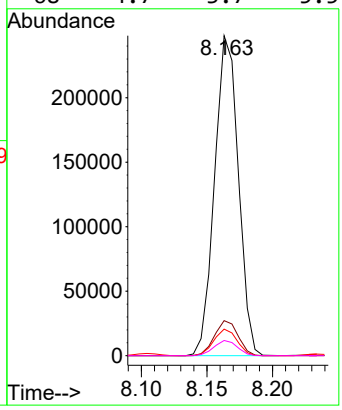


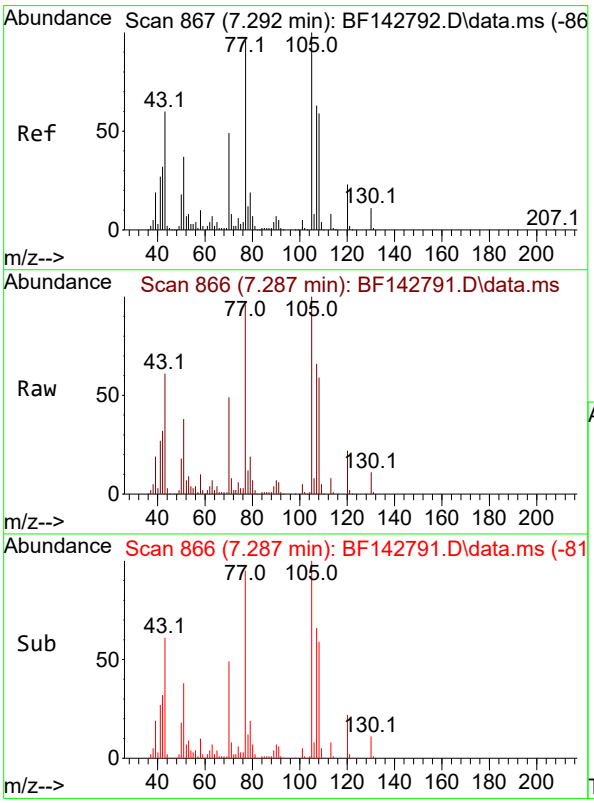
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 312367

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	8.3	6.3	9.5
68	4.7	3.7	5.5

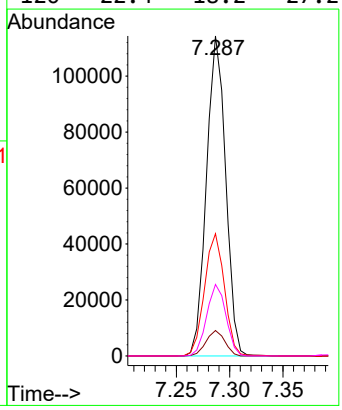


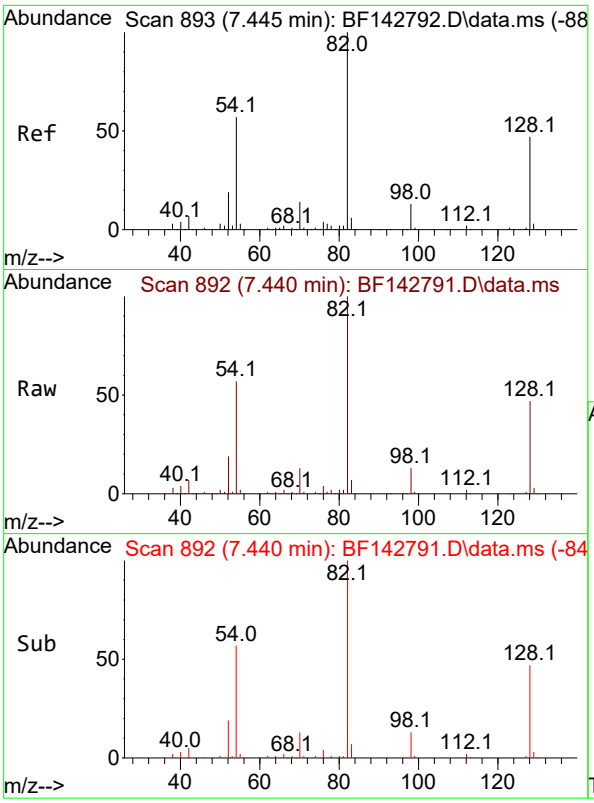


#22
Acetophenone
Concen: 20.730 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:105 Resp: 143274

Ion	Ratio	Lower	Upper
105	100		
71	8.0	6.5	9.7
51	38.2	29.8	44.8
120	22.4	18.2	27.2



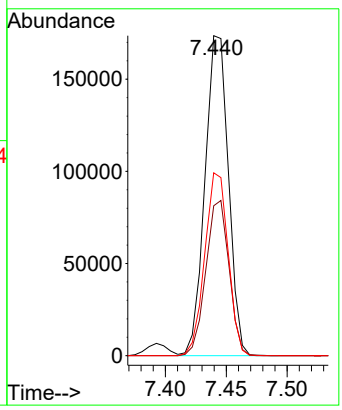


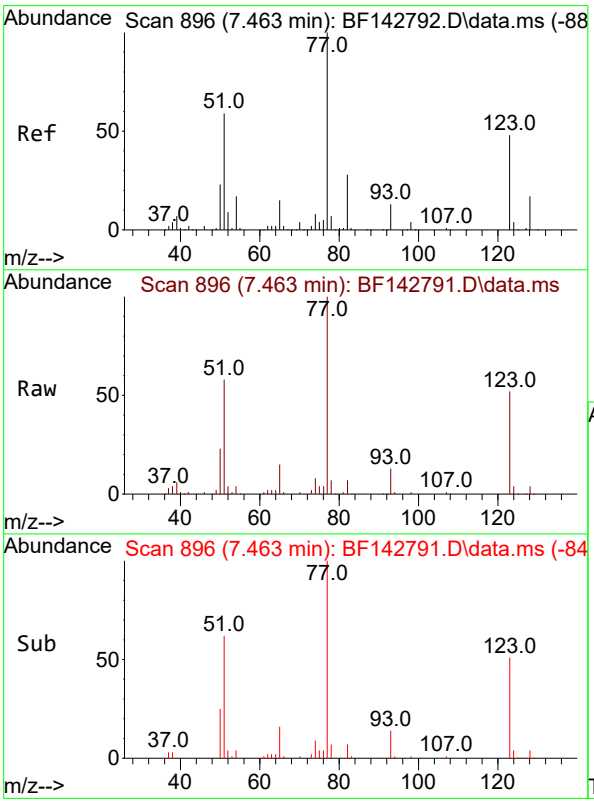
#23
Nitrobenzene-d5
Concen: 40.933 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 233268

Ion	Ratio	Lower	Upper
82	100		
128	46.8	37.7	56.5
54	57.1	45.7	68.5

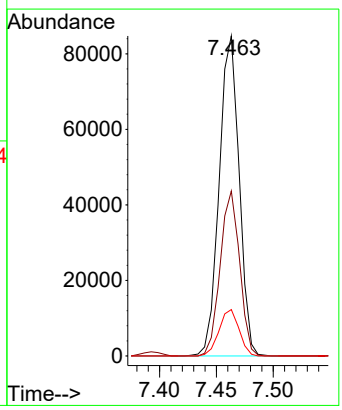


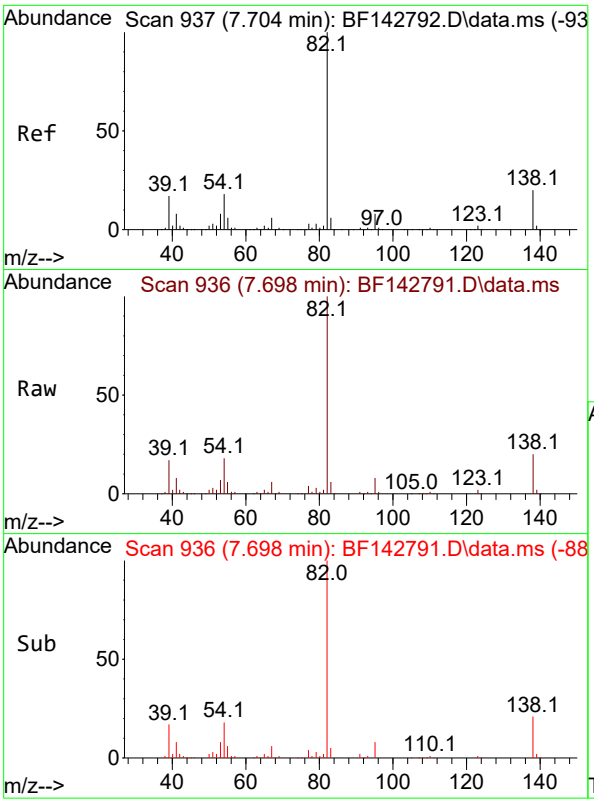


#24
Nitrobenzene
Concen: 20.450 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion: 77 Resp: 103569

Ion	Ratio	Lower	Upper
77	100		
123	51.6	39.2	58.8
65	14.5	11.6	17.4



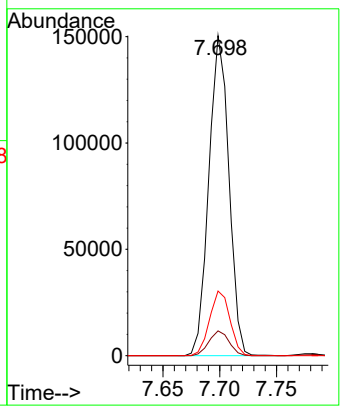


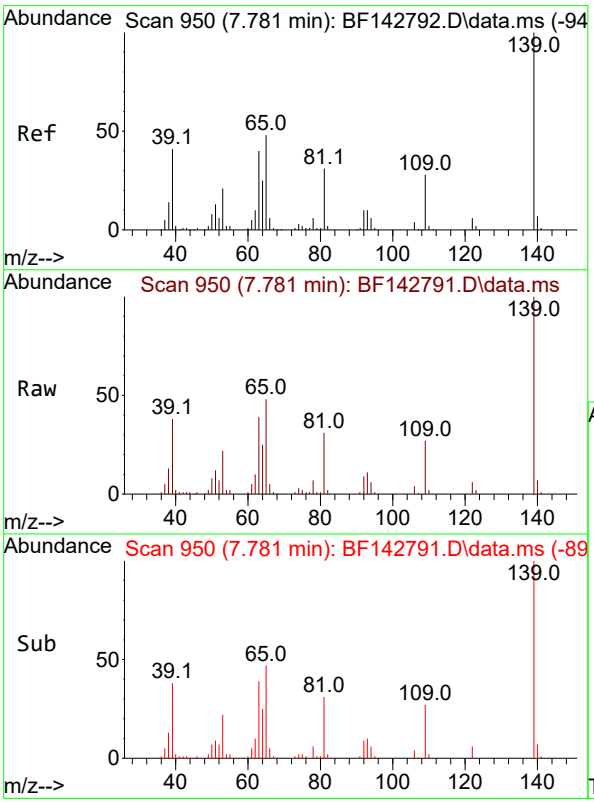
#25
Isophorone
Concen: 19.365 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 185071

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.2	9.2
138	20.2	16.2	24.4

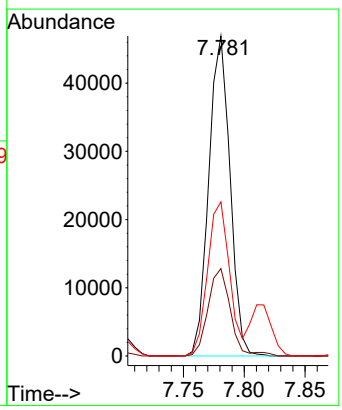


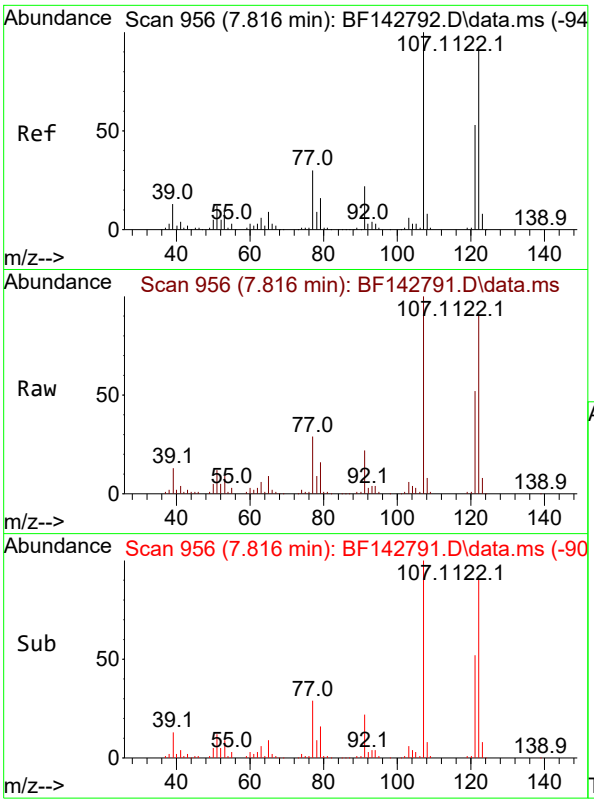


#26
2-Nitrophenol
Concen: 20.191 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:139 Resp: 56979

Ion	Ratio	Lower	Upper
139	100		
109	27.3	22.7	34.1
65	48.2	38.6	58.0



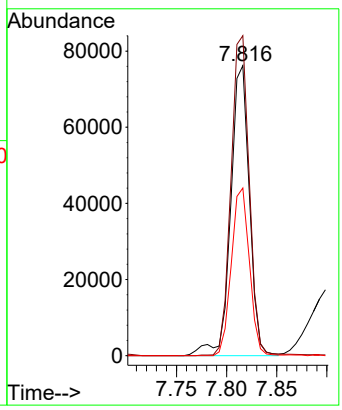


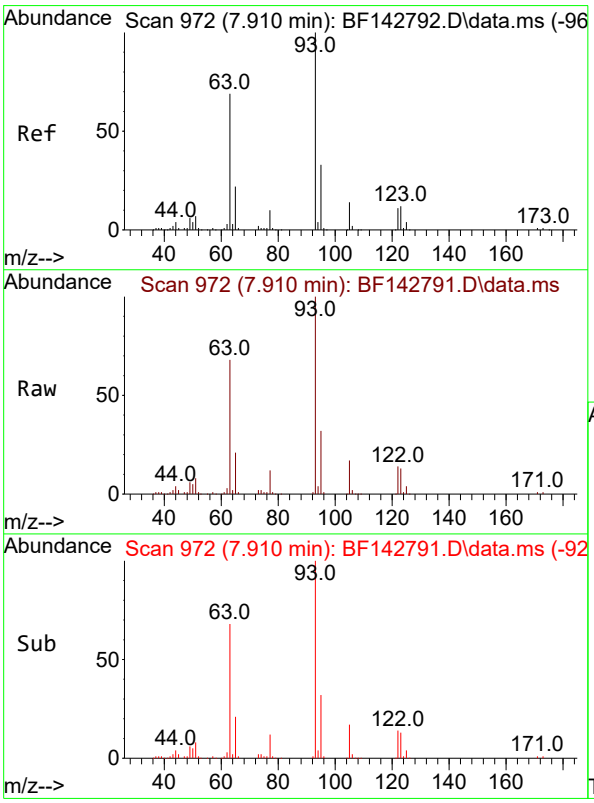
#27
2,4-Dimethylphenol
Concen: 20.659 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 99256

Ion	Ratio	Lower	Upper
122	100		
107	110.3	88.0	132.0
121	57.8	46.3	69.5

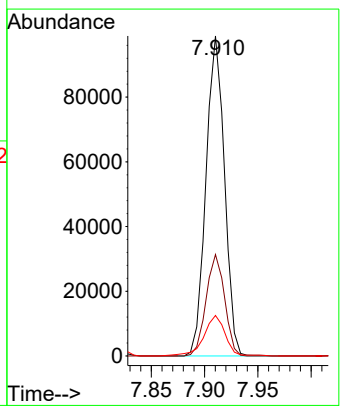


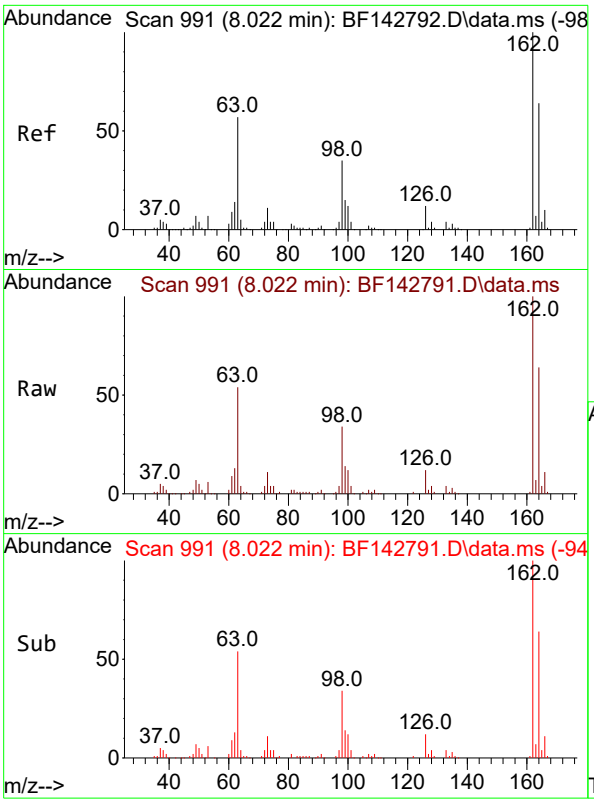


#28
bis(2-Chloroethoxy)methane
Concen: 20.087 ng
RT: 7.910 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion: 93 Resp: 119505

Ion	Ratio	Lower	Upper
93	100		
95	31.7	26.2	39.2
123	12.6	9.9	14.9



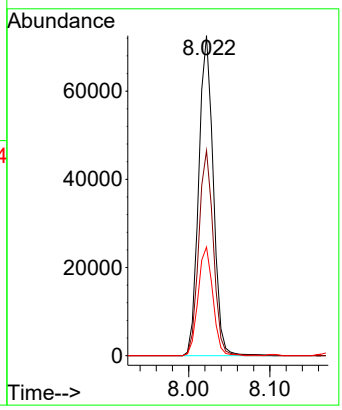


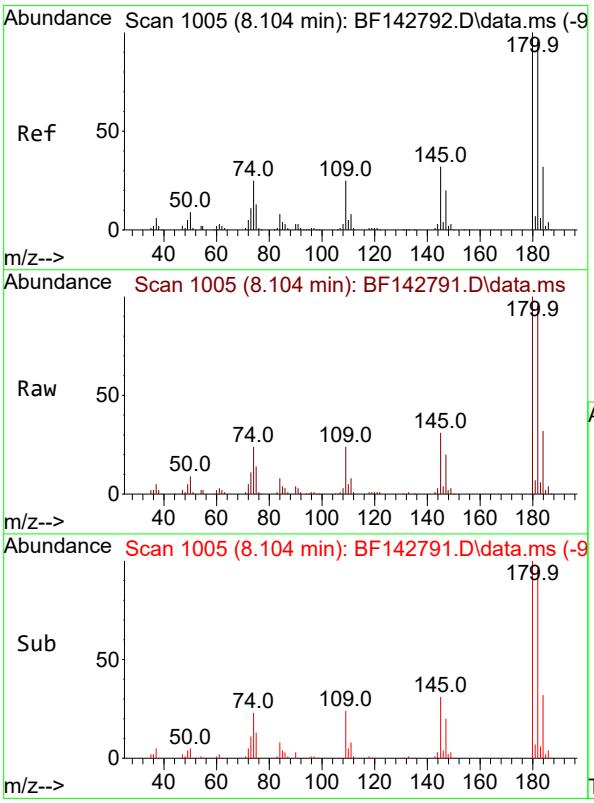
#29
2,4-Dichlorophenol
Concen: 20.437 ng
RT: 8.022 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 90497

Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.0	84.0
98	33.9	15.4	55.4

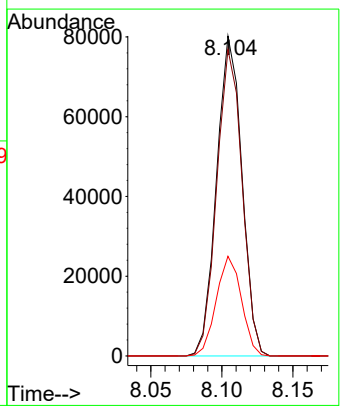


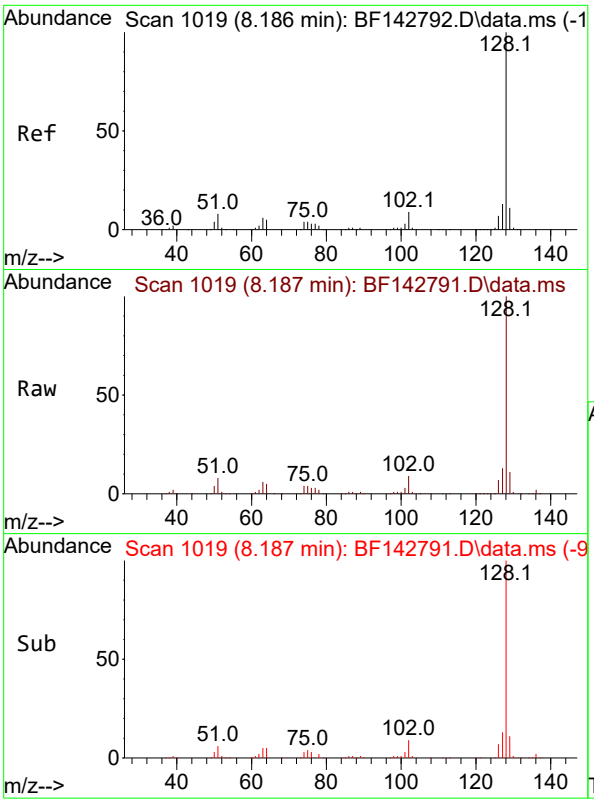


#30
1,2,4-Trichlorobenzene
Concen: 20.304 ng
RT: 8.104 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:180 Resp: 99320

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.4	114.6
145	31.2	25.8	38.8



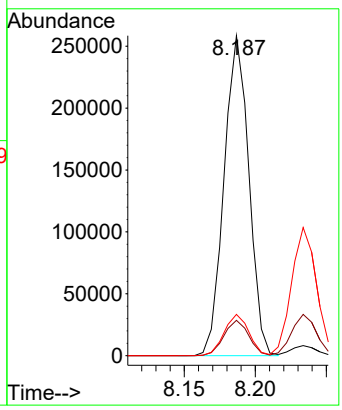


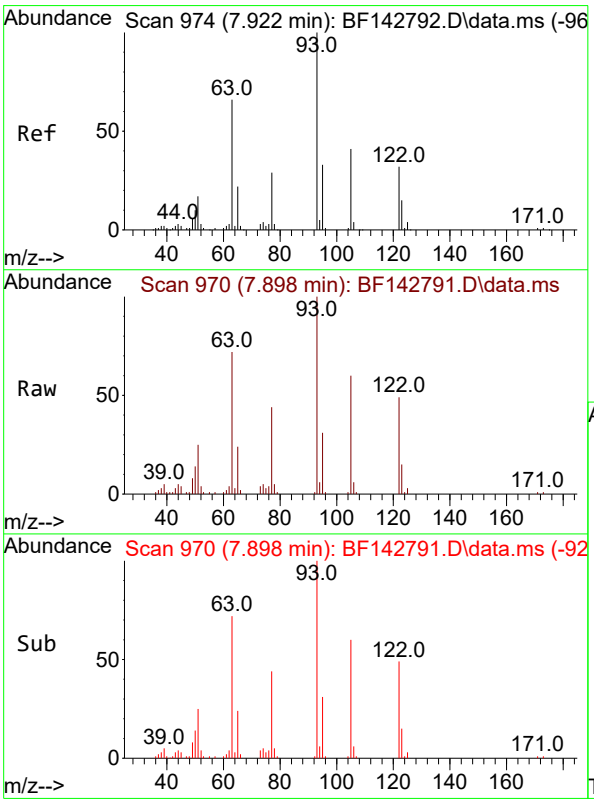
#31
Naphthalene
Concen: 20.405 ng
RT: 8.187 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 313467

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	12.9	10.4	15.6

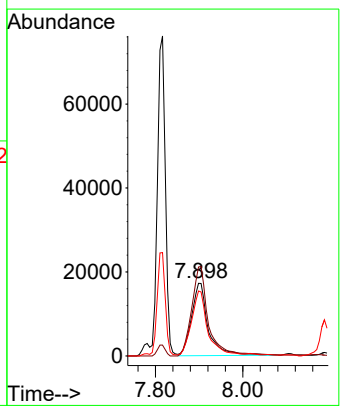


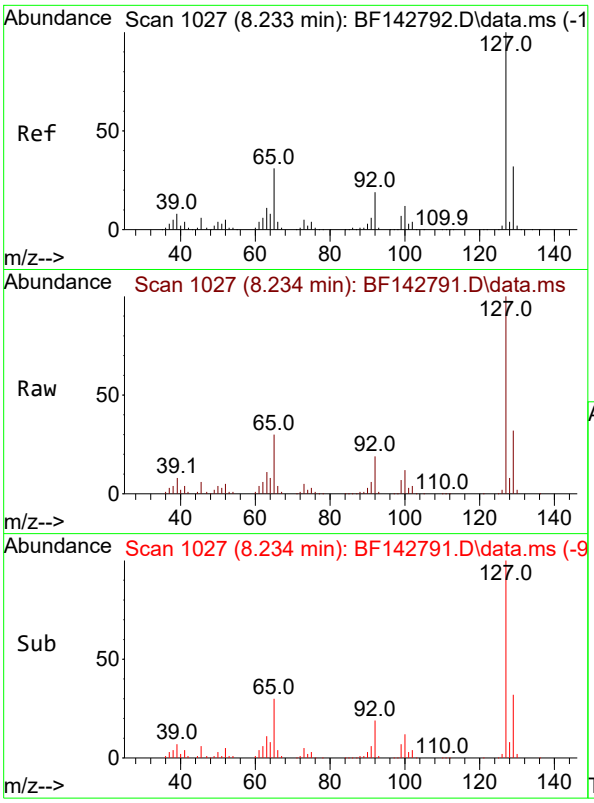


#32
Benzoic acid
Concen: 17.245 ng
RT: 7.898 min Scan# 970
Delta R.T. -0.023 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:122 Resp: 45969

Ion	Ratio	Lower	Upper
122	100		
105	122.5	104.7	144.7
77	89.4	70.2	110.2



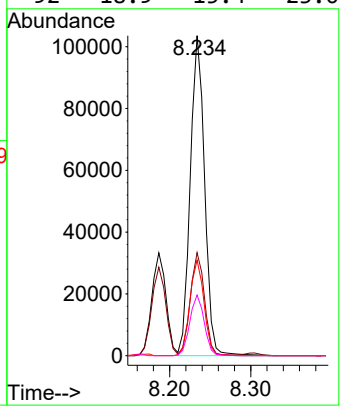


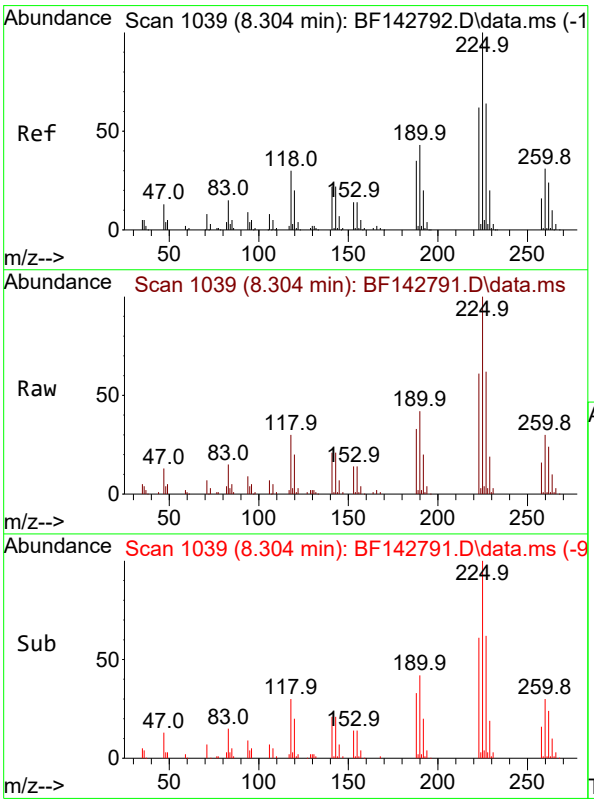
#33
4-Chloroaniline
Concen: 20.729 ng
RT: 8.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 127623

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.9	38.9
65	29.8	24.6	36.8
92	18.9	15.4	23.0

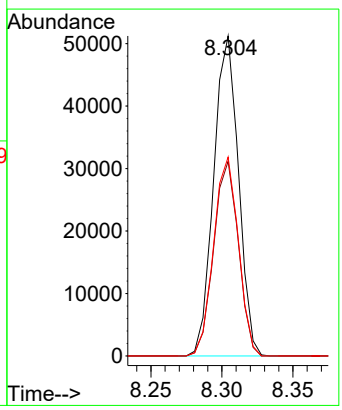


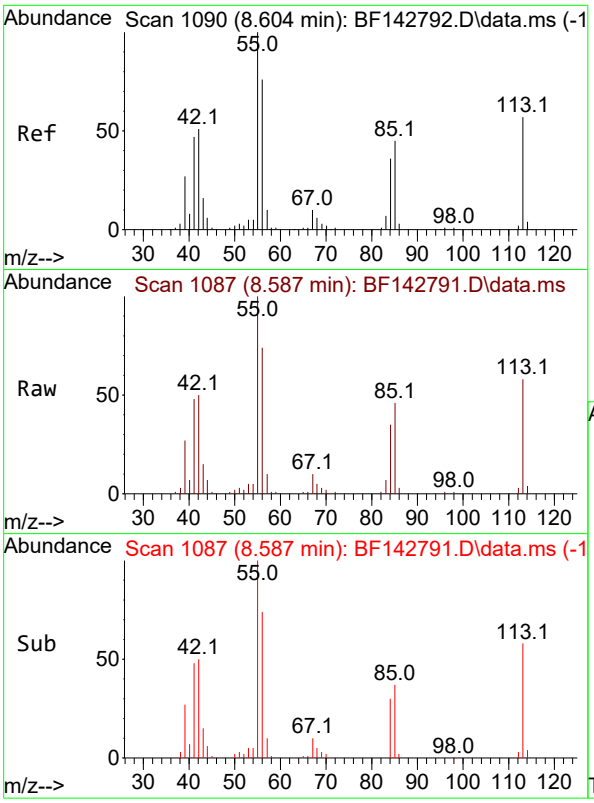


#34
Hexachlorobutadiene
Concen: 20.001 ng
RT: 8.304 min Scan# 1039
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:225 Resp: 61994

Ion	Ratio	Lower	Upper
225	100		
223	60.8	49.9	74.9
227	62.2	51.4	77.0



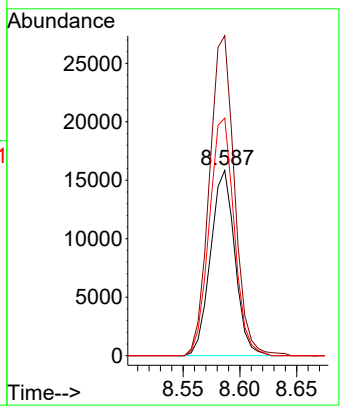


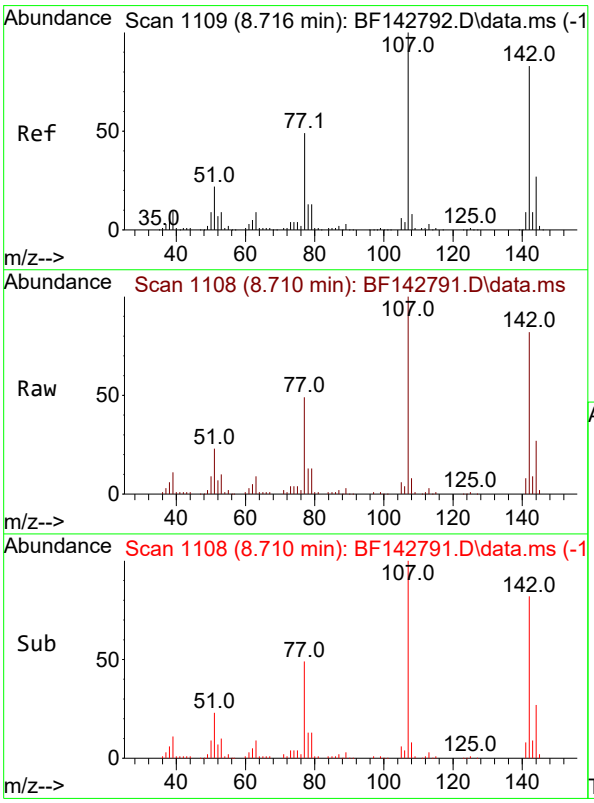
#35
Caprolactam
Concen: 19.769 ng
RT: 8.587 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 23555

Ion	Ratio	Lower	Upper
113	100		
55	172.7	154.4	194.4
56	128.3	112.1	152.1

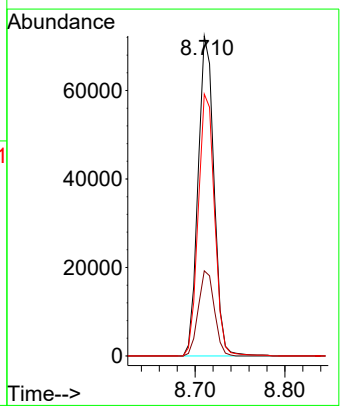


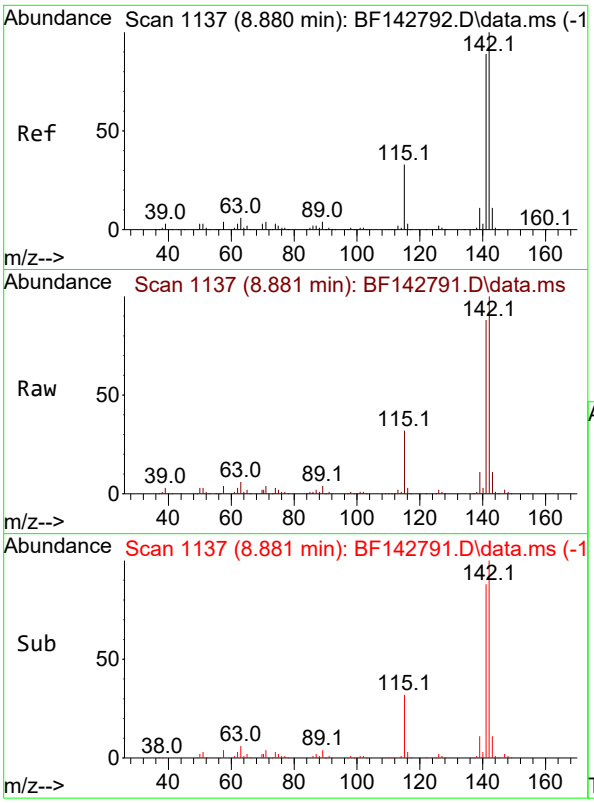


#36
4-Chloro-3-methylphenol
Concen: 19.518 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:107 Resp: 89279

Ion	Ratio	Lower	Upper
107	100		
144	26.6	21.3	31.9
142	81.8	66.6	100.0



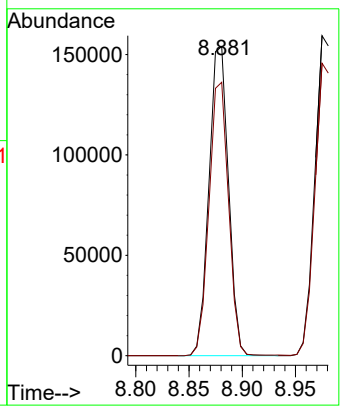


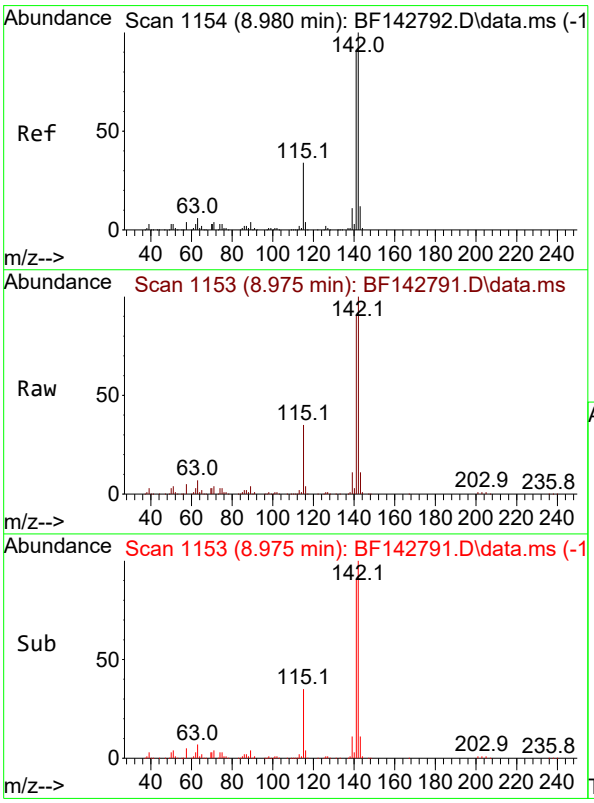
#37
2-Methylnaphthalene
Concen: 20.287 ng
RT: 8.881 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 196609

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.9	106.3

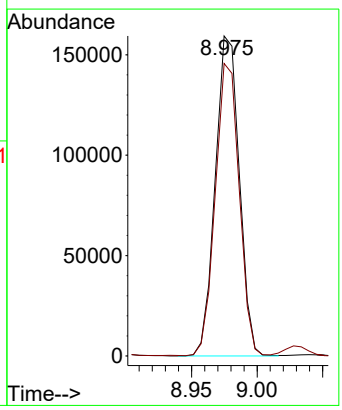


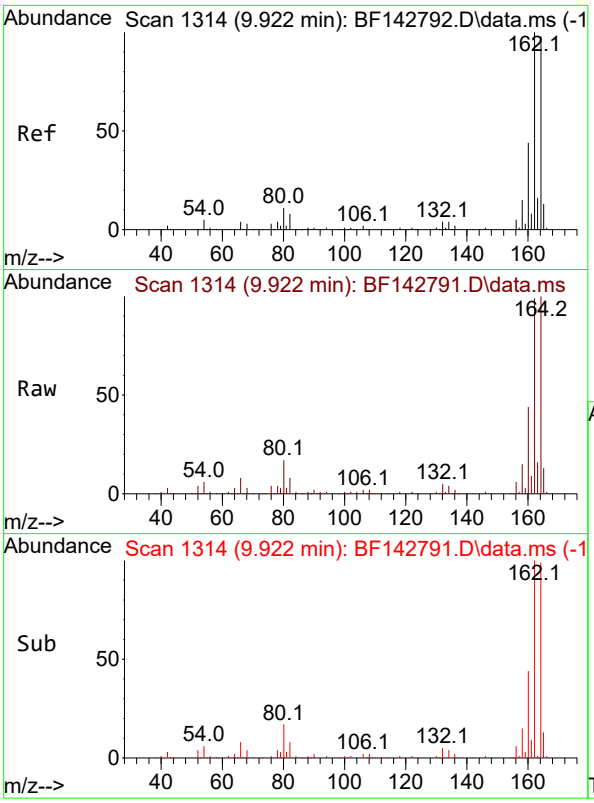


#38
1-Methylnaphthalene
Concen: 20.165 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:142 Resp: 202898

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.0	109.4



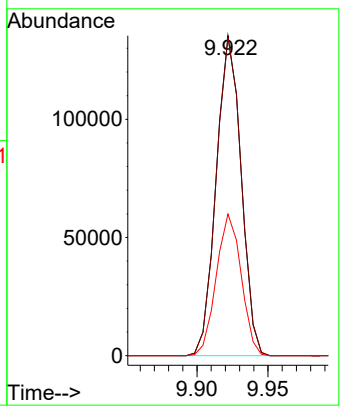


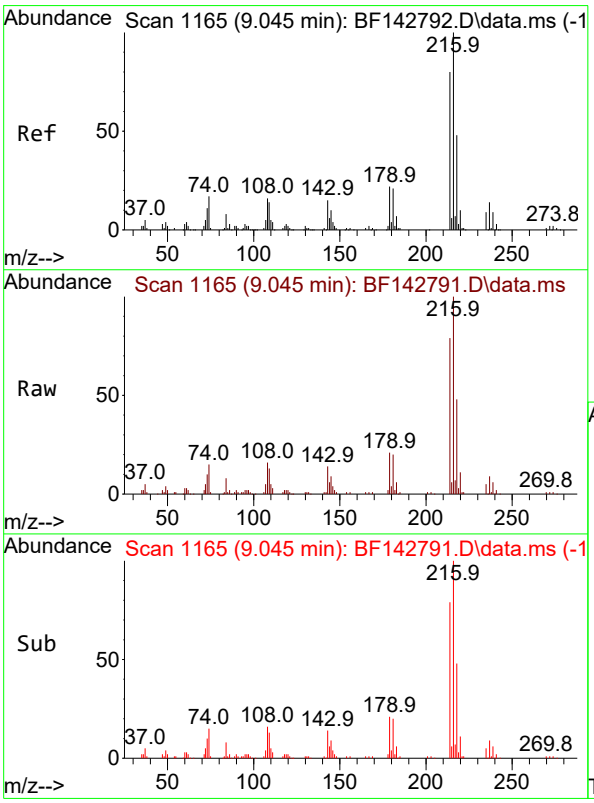
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 164603

Ion	Ratio	Lower	Upper
164	100		
162	99.4	81.8	122.8
160	44.2	36.0	54.0

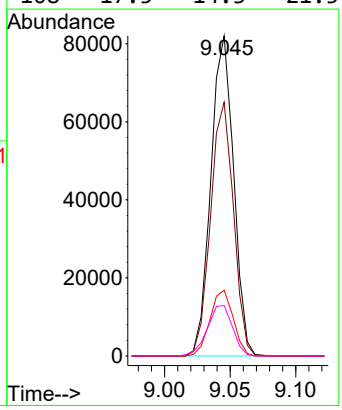


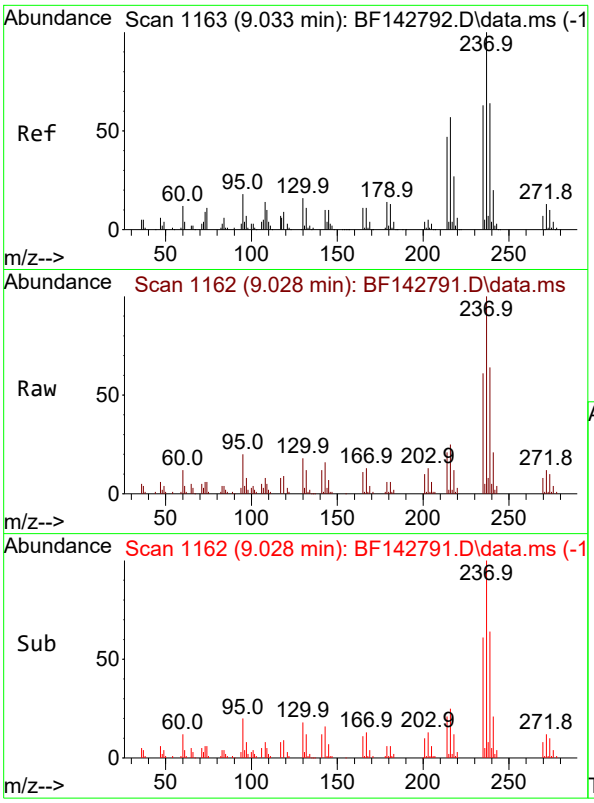


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.857 ng
RT: 9.045 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:216 Resp: 99104

Ion	Ratio	Lower	Upper
216	100		
214	79.4	63.7	95.5
179	20.9	17.6	26.4
108	17.5	14.3	21.5



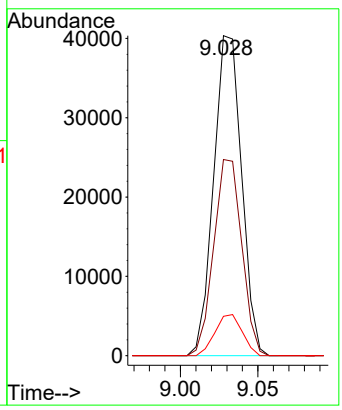


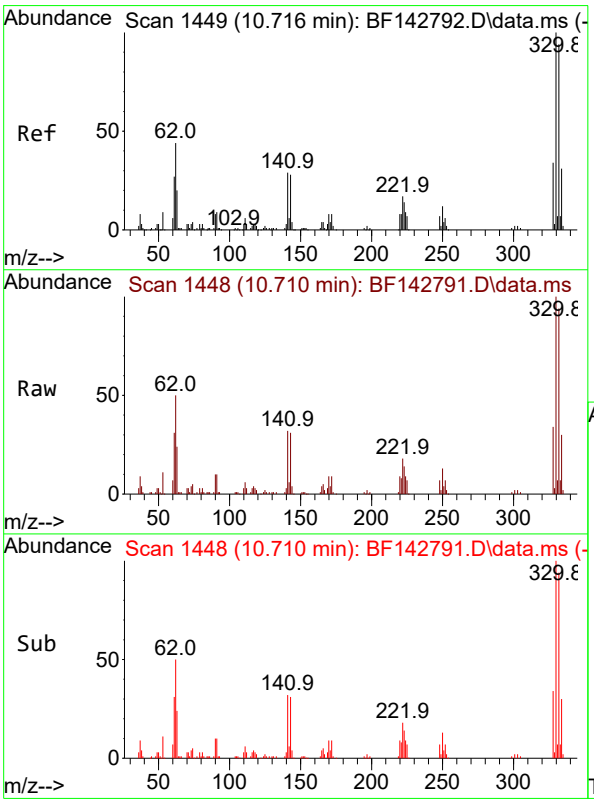
#41
Hexachlorocyclopentadiene
Concen: 16.864 ng
RT: 9.028 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 50669

Ion	Ratio	Lower	Upper
237	100		
235	61.3	43.4	83.4
272	12.3	0.0	32.7

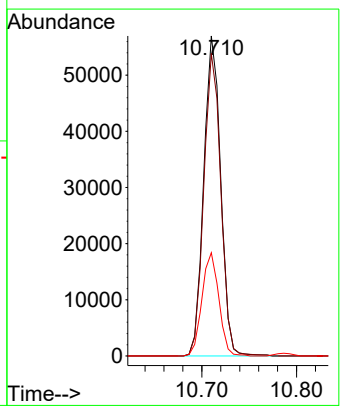


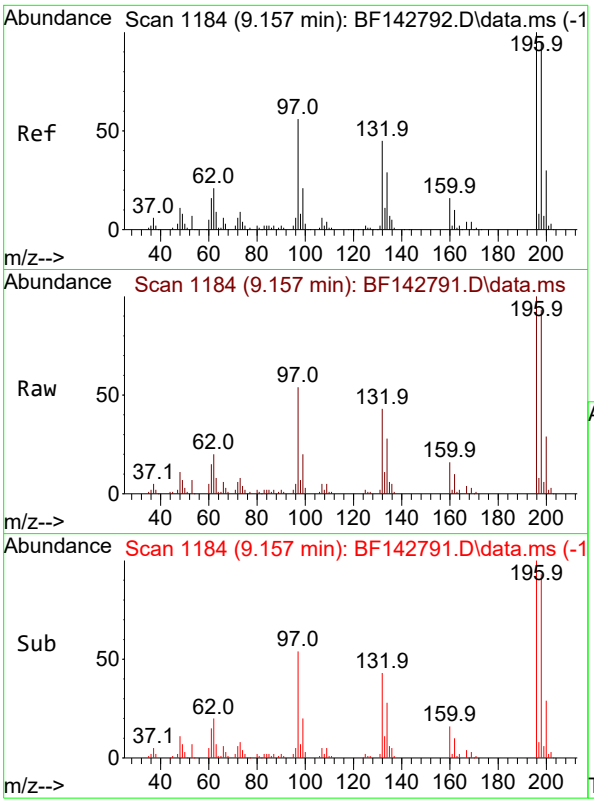


#42
2,4,6-Tribromophenol
Concen: 39.411 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:330 Resp: 70502

Ion	Ratio	Lower	Upper
330	100		
332	95.1	75.0	112.6
141	32.1	25.3	37.9



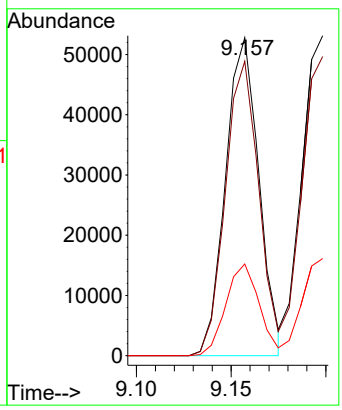


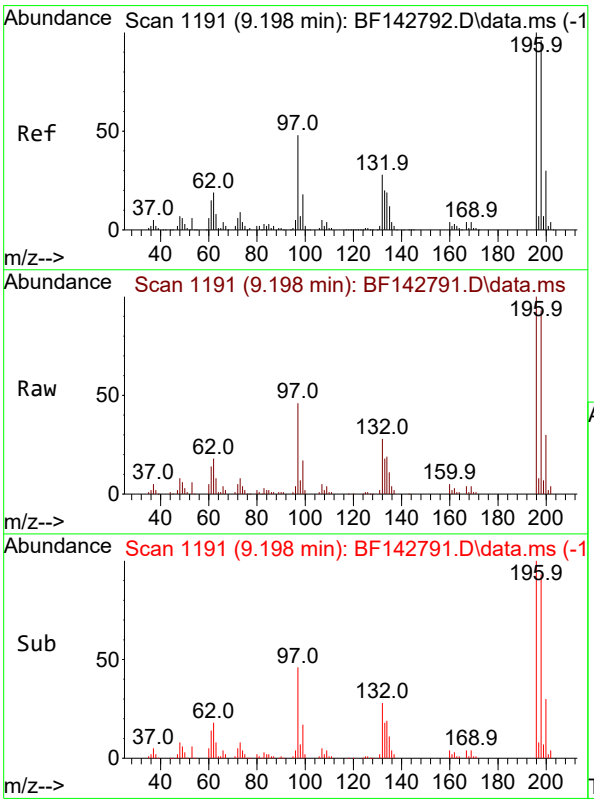
#43
2,4,6-Trichlorophenol
Concen: 21.069 ng
RT: 9.157 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 64786

Ion	Ratio	Lower	Upper
196	100		
198	92.6	76.2	114.2
200	28.9	24.1	36.1

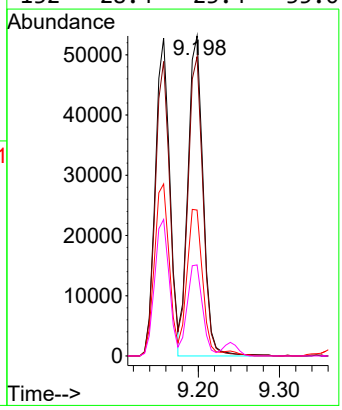


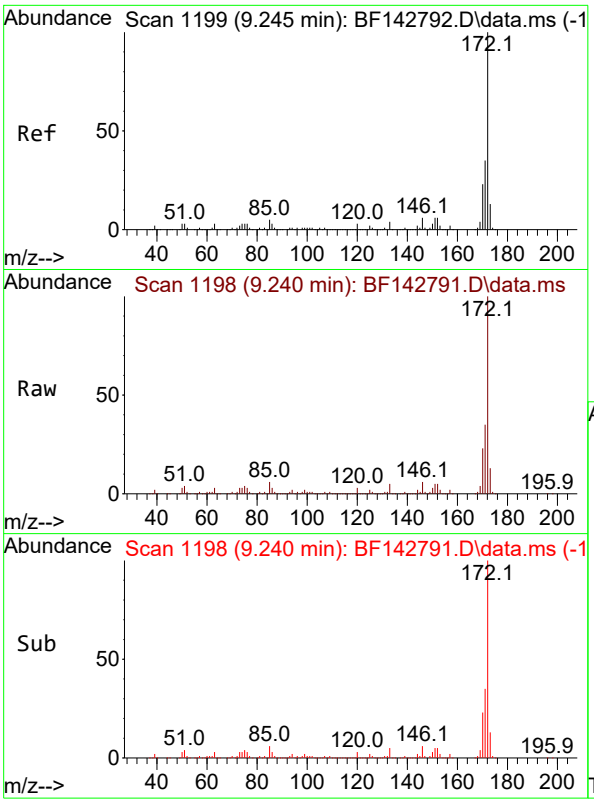


#44
2,4,5-Trichlorophenol
Concen: 20.862 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:196 Resp: 69275

Ion	Ratio	Lower	Upper
196	100		
198	93.5	76.6	115.0
97	45.6	38.2	57.2
132	28.4	23.4	35.0



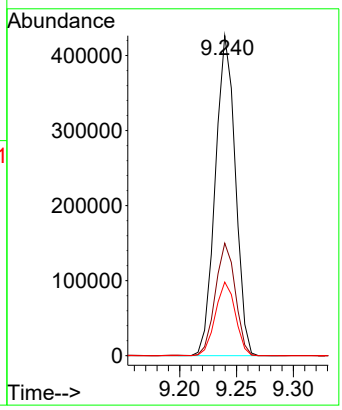


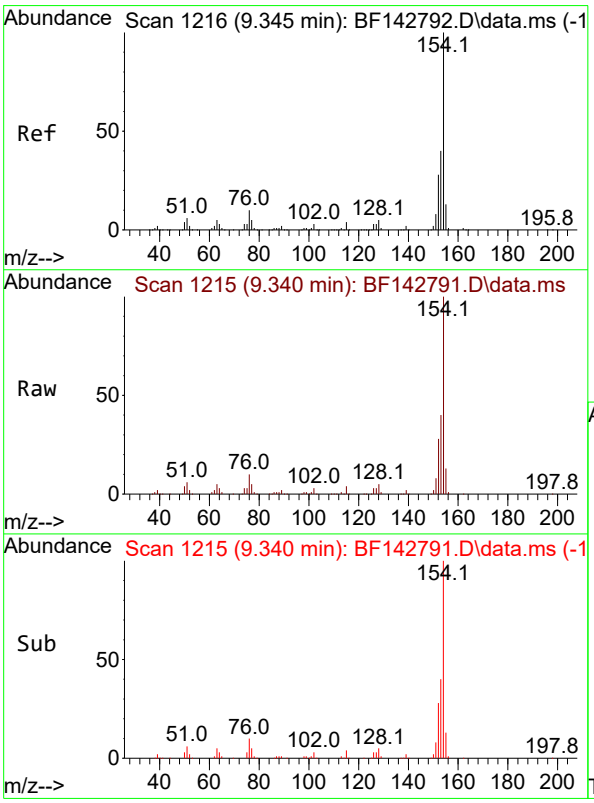
#45
2-Fluorobiphenyl
Concen: 42.356 ng
RT: 9.240 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 524084

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.4
170	23.0	18.5	27.7

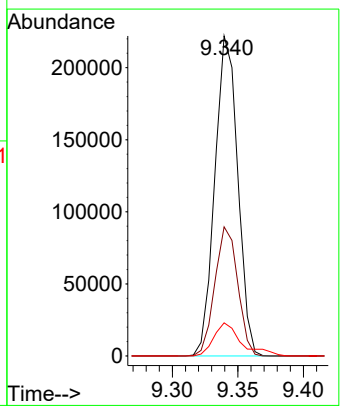


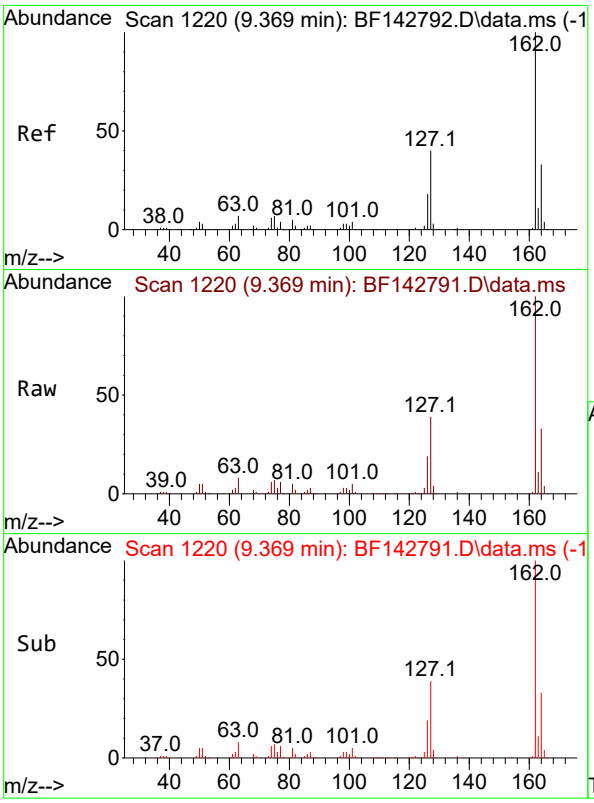


#46
1,1'-Biphenyl
Concen: 21.078 ng
RT: 9.340 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:154 Resp: 269396

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.3	60.3
76	10.4	0.0	30.3



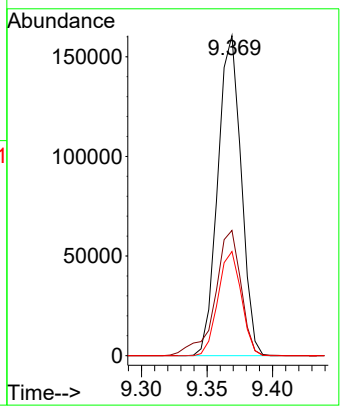


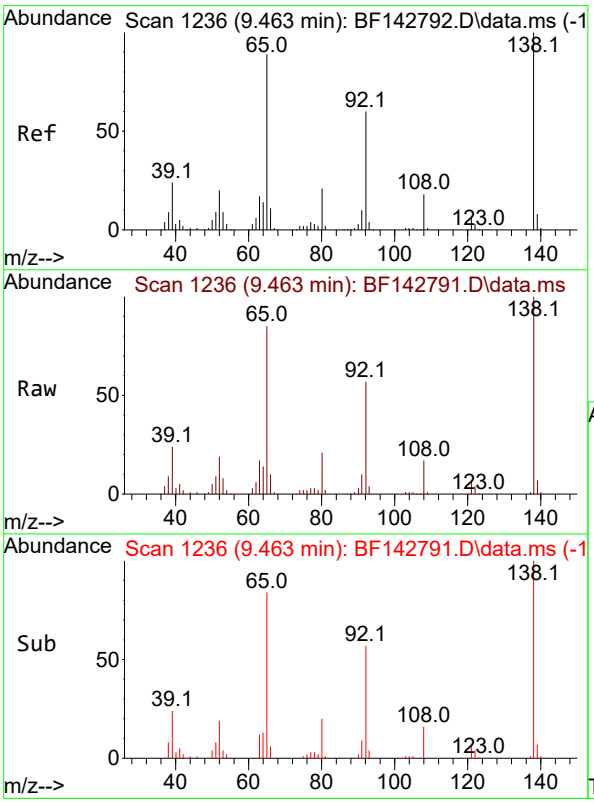
#47
2-Chloronaphthalene
Concen: 21.087 ng
RT: 9.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 198874

Ion	Ratio	Lower	Upper
162	100		
127	39.2	32.2	48.2
164	32.5	26.1	39.1

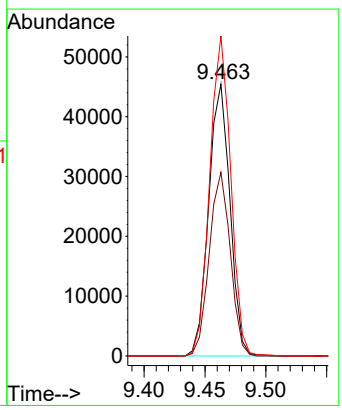


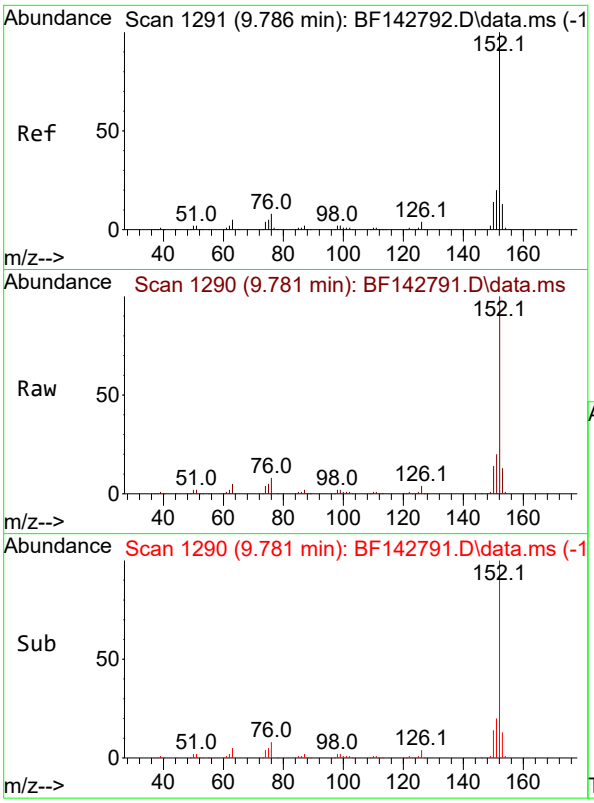


#48
2-Nitroaniline
Concen: 20.681 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion: 65 Resp: 55412

Ion	Ratio	Lower	Upper
65	100		
92	67.6	53.8	80.6
138	117.7	89.6	134.4



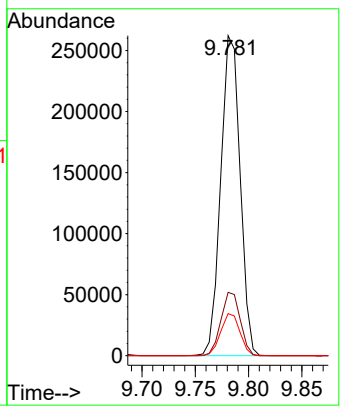


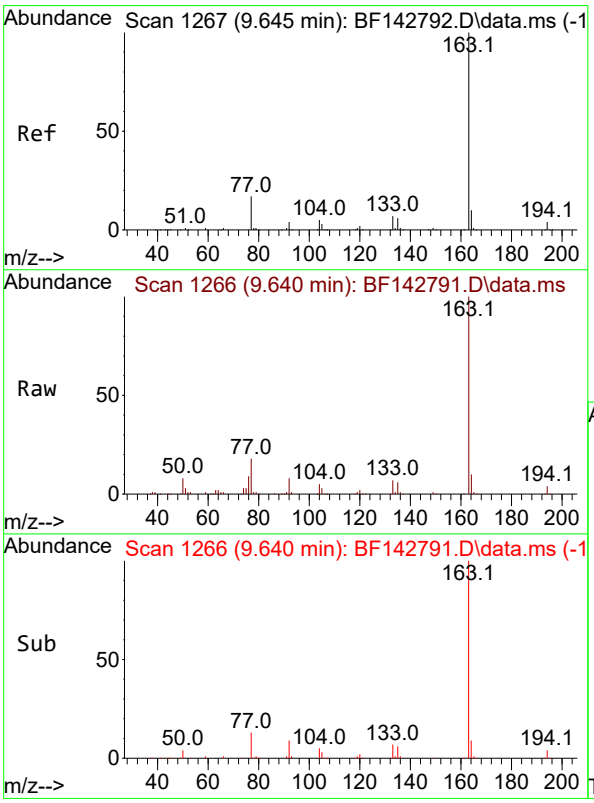
#49
Acenaphthylene
Concen: 20.878 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 331018

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.1	24.1
153	13.2	10.4	15.6

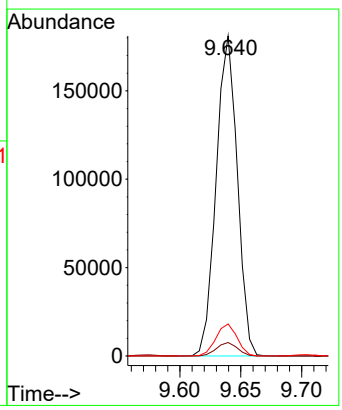


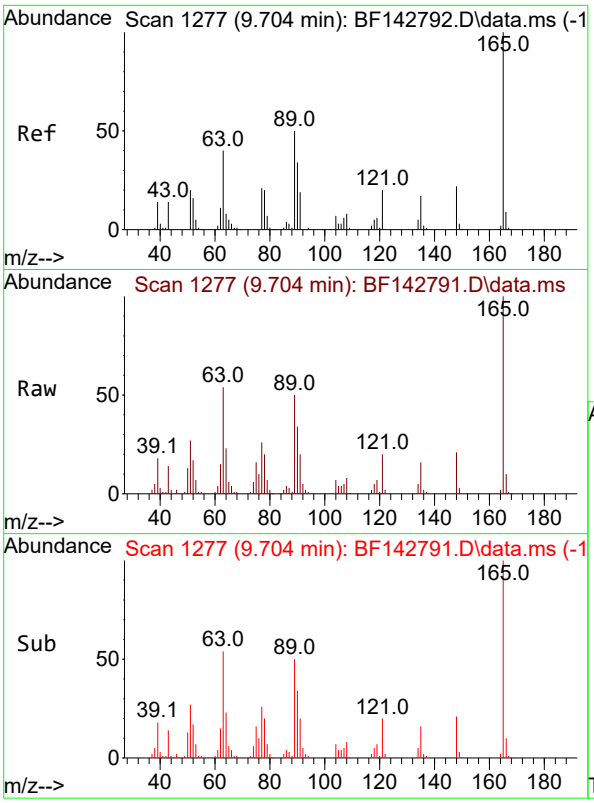


#50
Dimethylphthalate
Concen: 20.049 ng
RT: 9.640 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:163 Resp: 218901

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.0	8.0	12.0



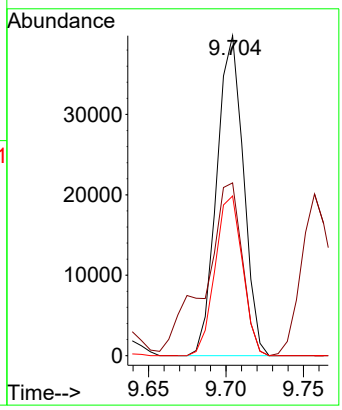


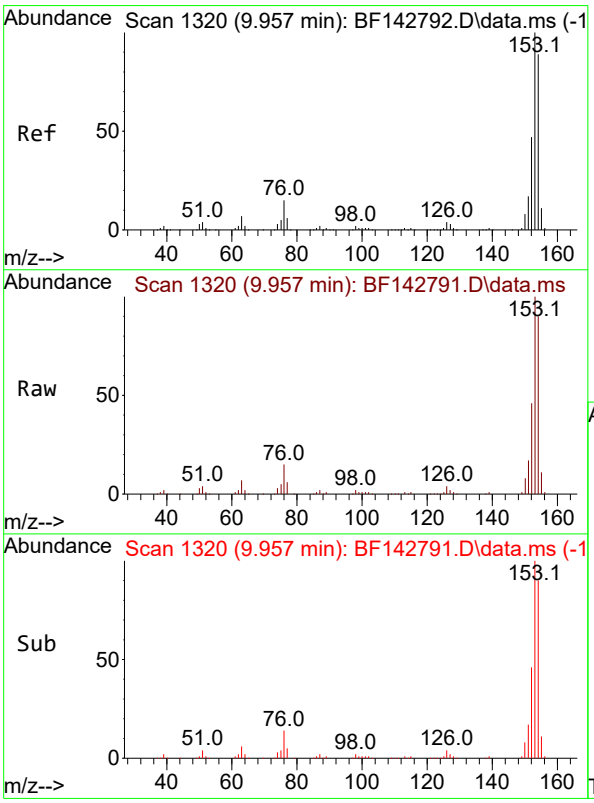
#51
2,6-Dinitrotoluene
Concen: 20.156 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 47707

Ion	Ratio	Lower	Upper
165	100		
63	54.0	44.2	66.4
89	49.9	39.8	59.8

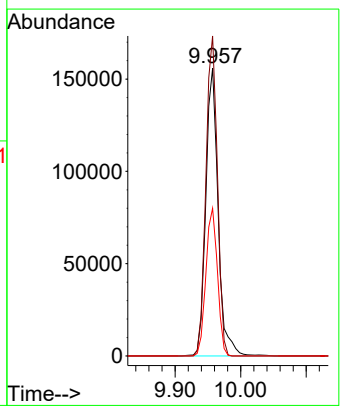


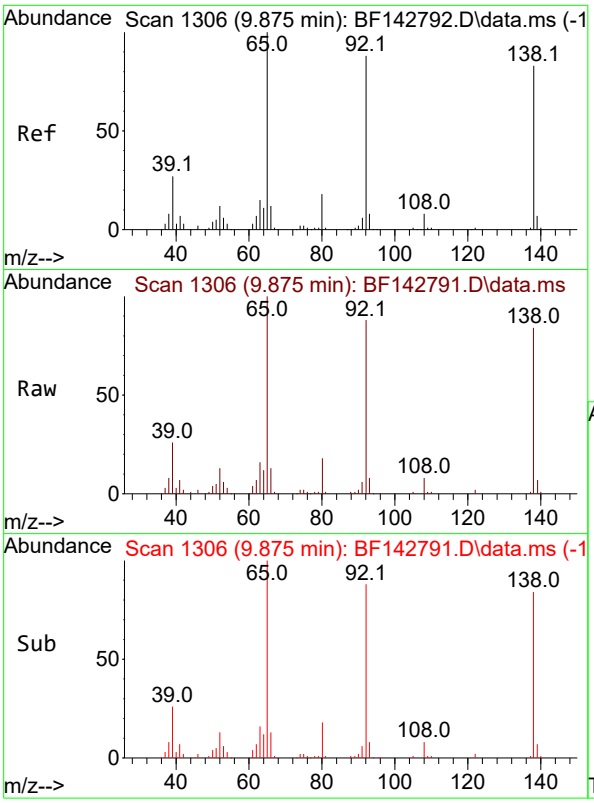


#52
Acenaphthene
Concen: 20.813 ng
RT: 9.957 min Scan# 1320
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:154 Resp: 204192

Ion	Ratio	Lower	Upper
154	100		
153	111.2	90.0	135.0
152	51.3	41.9	62.9



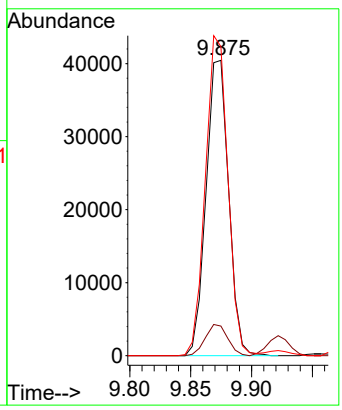


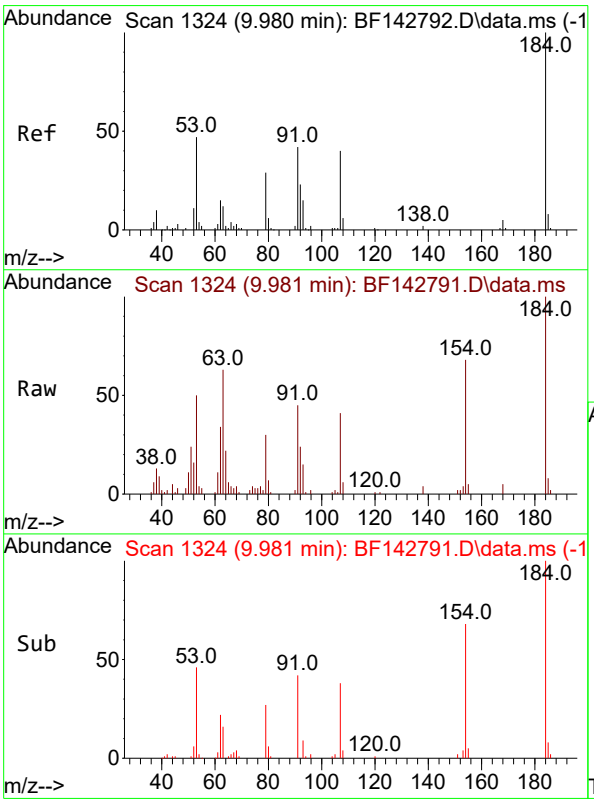
#53
3-Nitroaniline
Concen: 20.261 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 52088

Ion	Ratio	Lower	Upper
138	100		
108	10.0	8.1	12.1
92	104.7	85.1	127.7

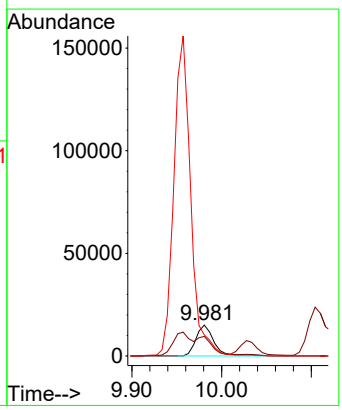


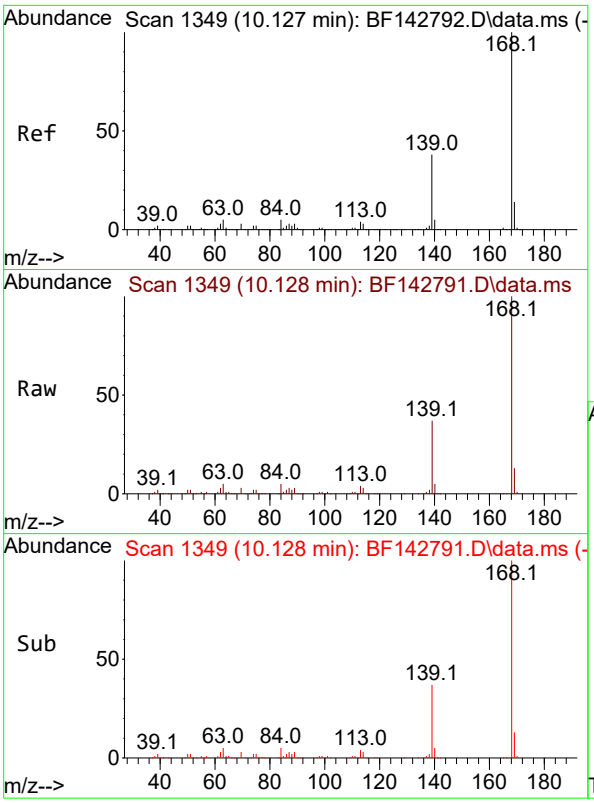


#54
2,4-Dinitrophenol
Concen: 16.576 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:184 Resp: 21231

Ion	Ratio	Lower	Upper
184	100		
63	62.9	50.6	75.8
154	68.5	51.8	77.8



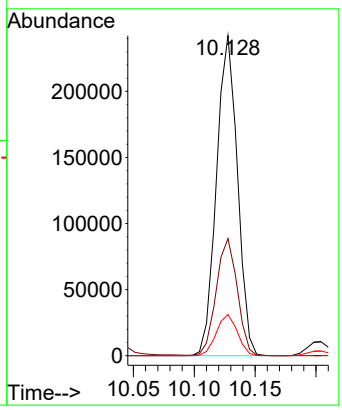


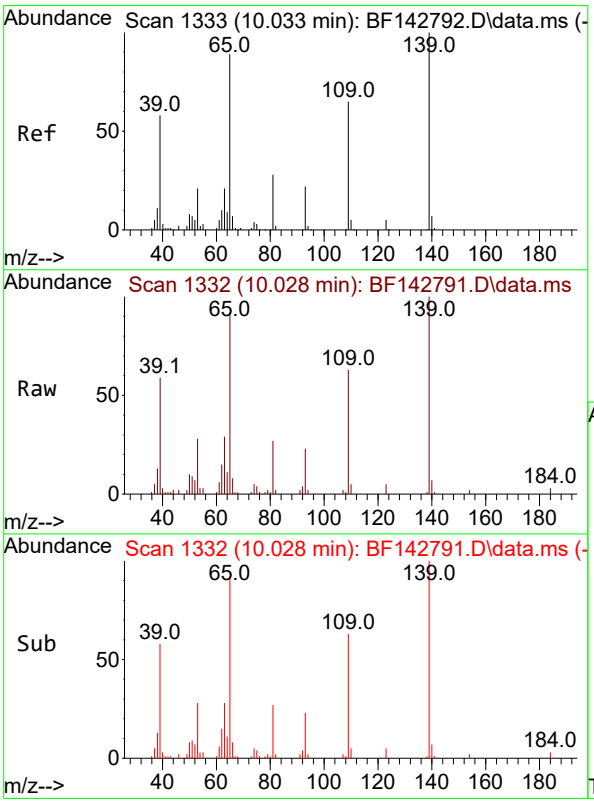
#55
Dibenzofuran
Concen: 20.736 ng
RT: 10.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 290254

Ion	Ratio	Lower	Upper
168	100		
139	36.6	30.2	45.4
169	12.8	10.8	16.2

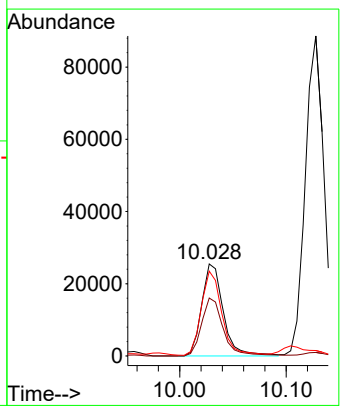


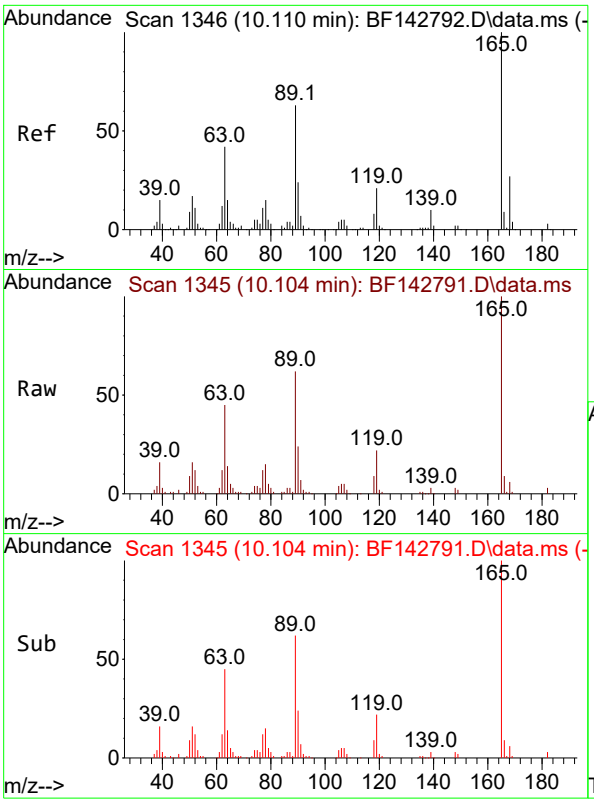


#56
4-Nitrophenol
Concen: 20.593 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:139 Resp: 35937

Ion	Ratio	Lower	Upper
139	100		
109	62.9	44.7	84.7
65	92.2	69.8	109.8



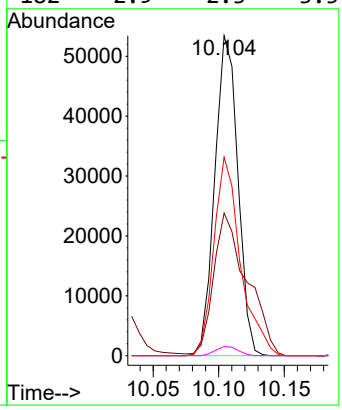


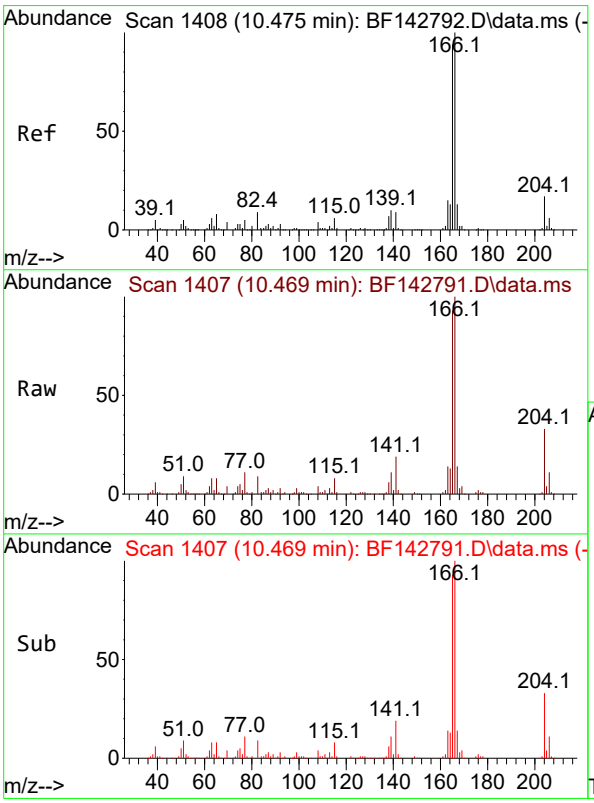
#57
2,4-Dinitrotoluene
Concen: 20.887 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 65367

Ion	Ratio	Lower	Upper
165	100		
63	44.5	33.9	50.9
89	62.0	50.6	75.8
182	2.9	2.3	3.5

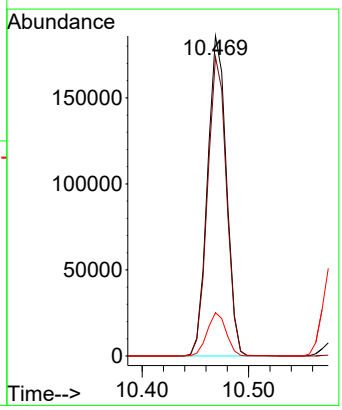


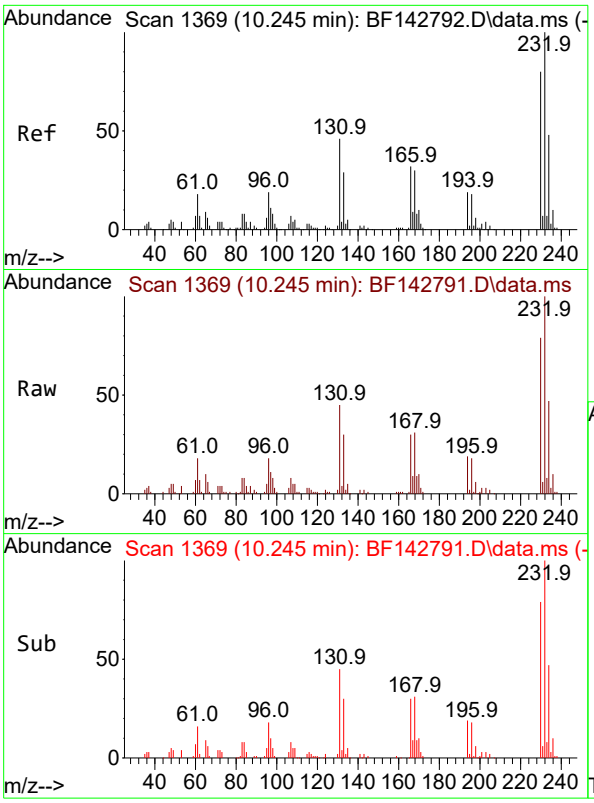


#58
Fluorene
Concen: 20.780 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:166 Resp: 229569

Ion	Ratio	Lower	Upper
166	100		
165	93.5	75.2	112.8
167	13.5	10.6	15.8



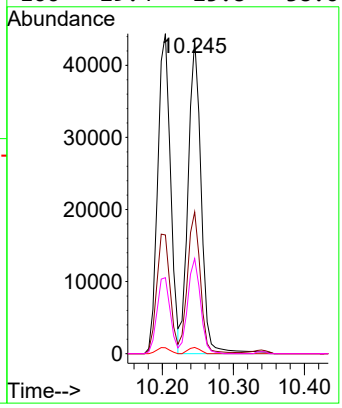


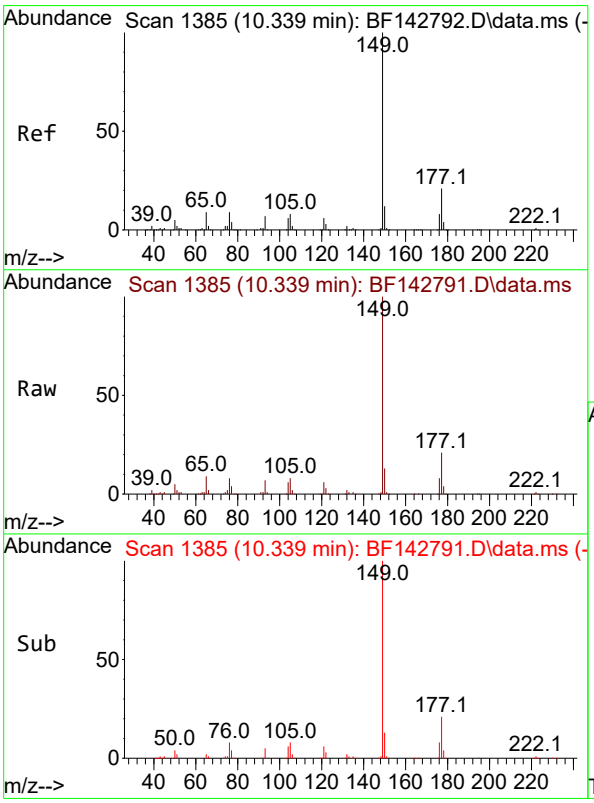
#59
2,3,4,6-Tetrachlorophenol
Concen: 20.042 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 55799

Ion	Ratio	Lower	Upper
232	100		
131	44.3	37.6	56.4
130	1.8	1.7	2.5
166	29.4	25.8	38.6

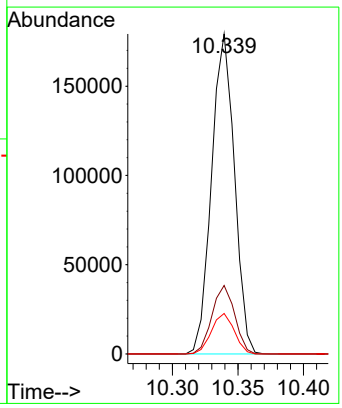


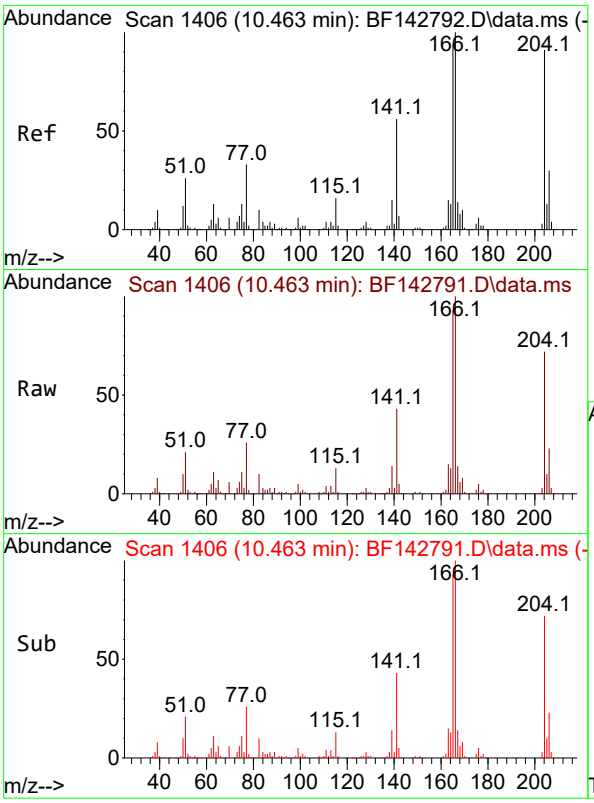


#60
Diethylphthalate
Concen: 20.020 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:149 Resp: 217133

Ion	Ratio	Lower	Upper
149	100		
177	21.4	17.0	25.6
150	12.6	9.8	14.6



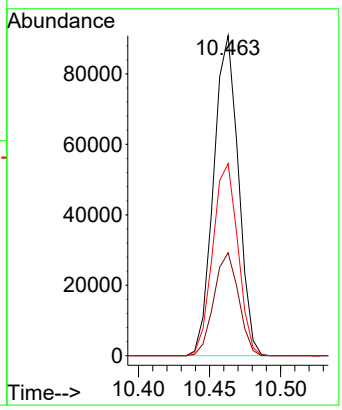


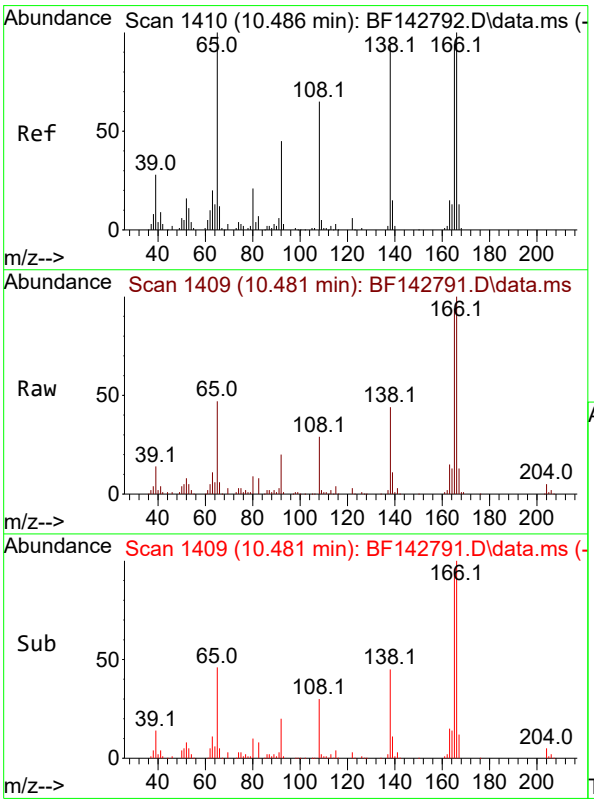
#61
4-Chlorophenyl-phenylether
Concen: 20.526 ng
RT: 10.463 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 110133

Ion	Ratio	Lower	Upper
204	100		
206	32.1	26.3	39.5
141	60.1	49.1	73.7

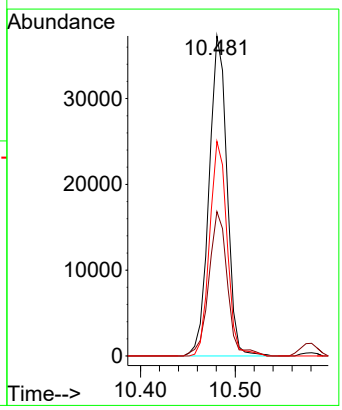


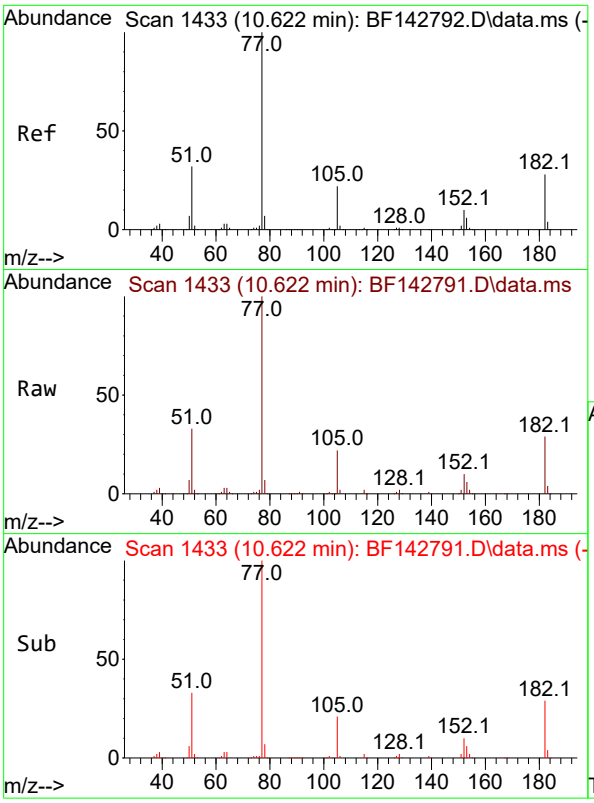


#62
4-Nitroaniline
Concen: 21.208 ng
RT: 10.481 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:138 Resp: 48947

Ion	Ratio	Lower	Upper
138	100		
92	45.1	28.4	68.4
108	67.1	50.2	90.2



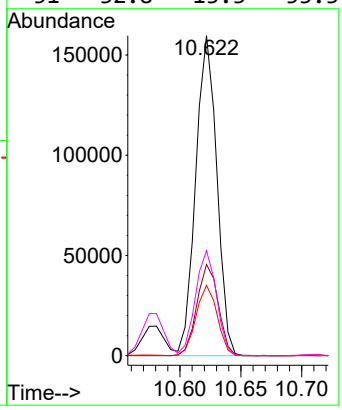


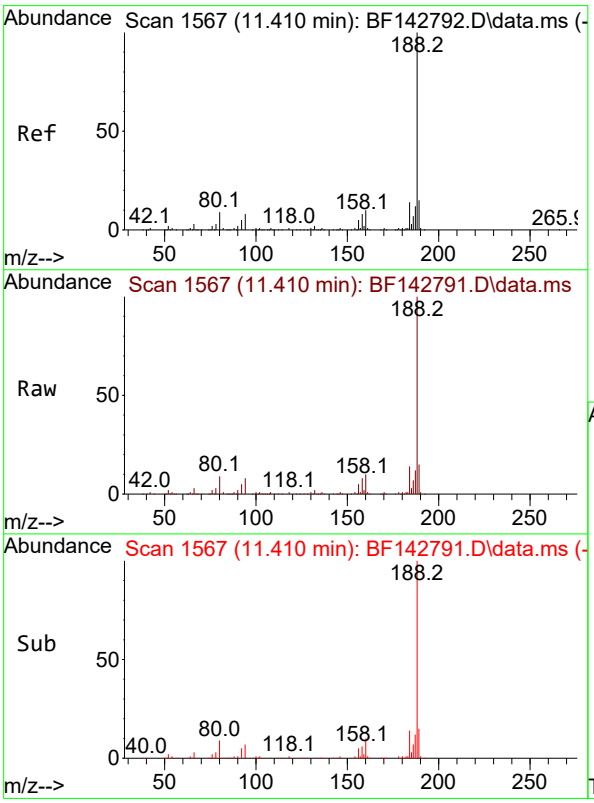
#63
Azobenzene
Concen: 20.263 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 192057

Ion	Ratio	Lower	Upper
77	100		
182	28.5	7.7	47.7
105	22.0	1.9	41.9
51	32.8	13.3	53.3

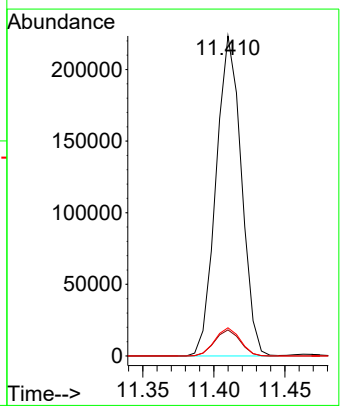


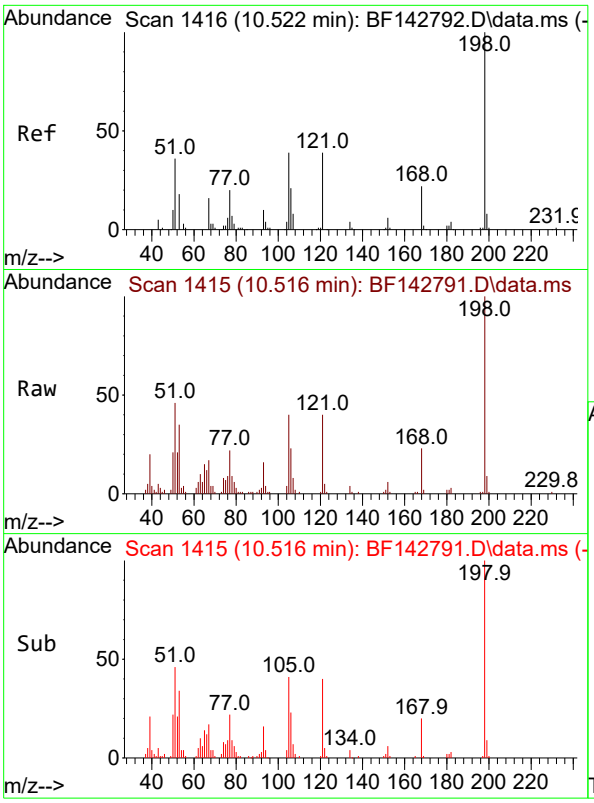


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:188 Resp: 277149

Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.7	10.1
80	8.8	6.9	10.3



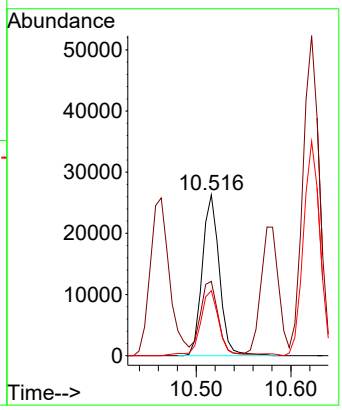


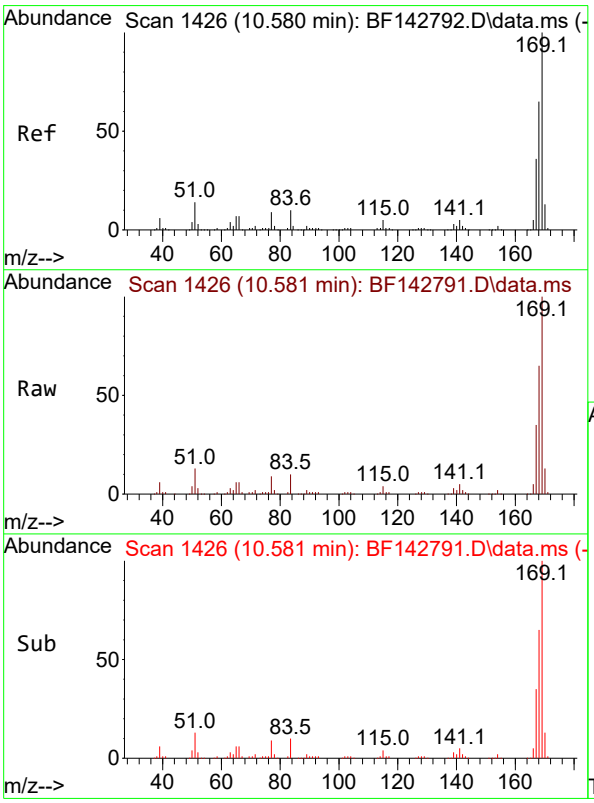
#65
4,6-Dinitro-2-methylphenol
Concen: 19.130 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 32946

Ion	Ratio	Lower	Upper
198	100		
51	46.2	25.4	65.4
105	40.4	20.4	60.4

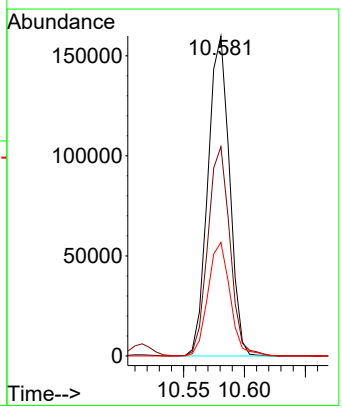


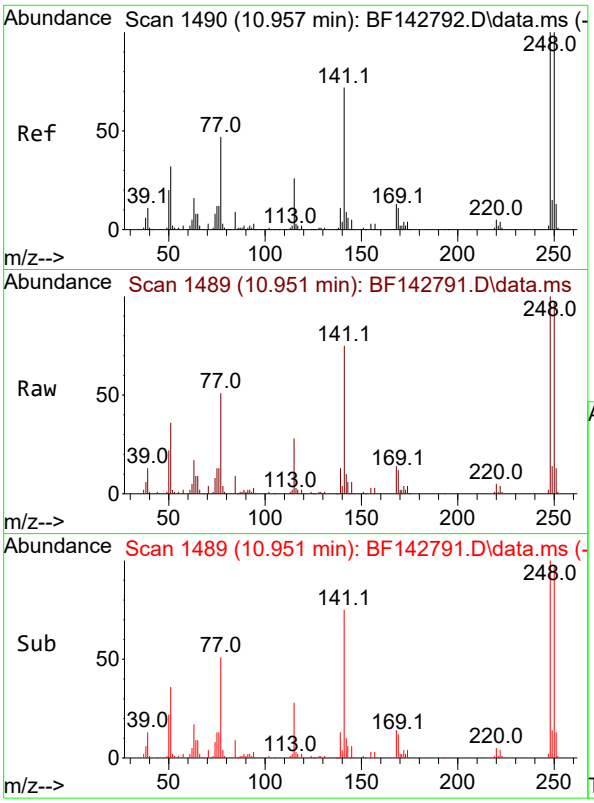


#66
n-Nitrosodiphenylamine
Concen: 20.670 ng
RT: 10.581 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:169 Resp: 196840

Ion	Ratio	Lower	Upper
169	100		
168	65.4	51.9	77.9
167	35.5	28.5	42.7



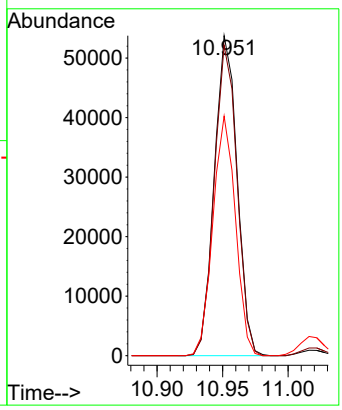


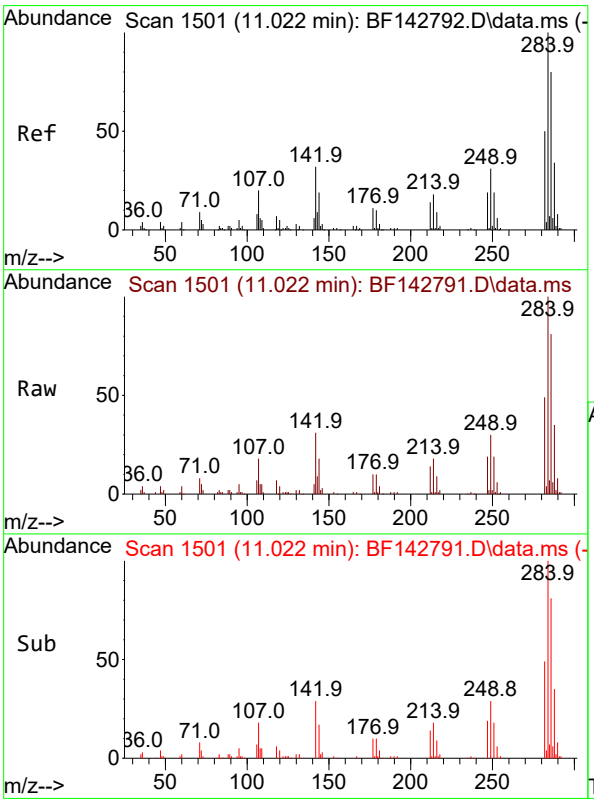
#67
4-Bromophenyl-phenylether
Concen: 20.068 ng
RT: 10.951 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 65137

Ion	Ratio	Lower	Upper
248	100		
250	97.0	79.8	119.8
141	74.9	57.8	86.6

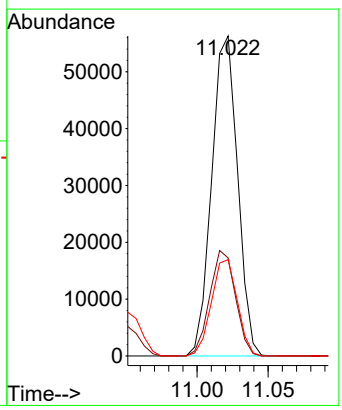


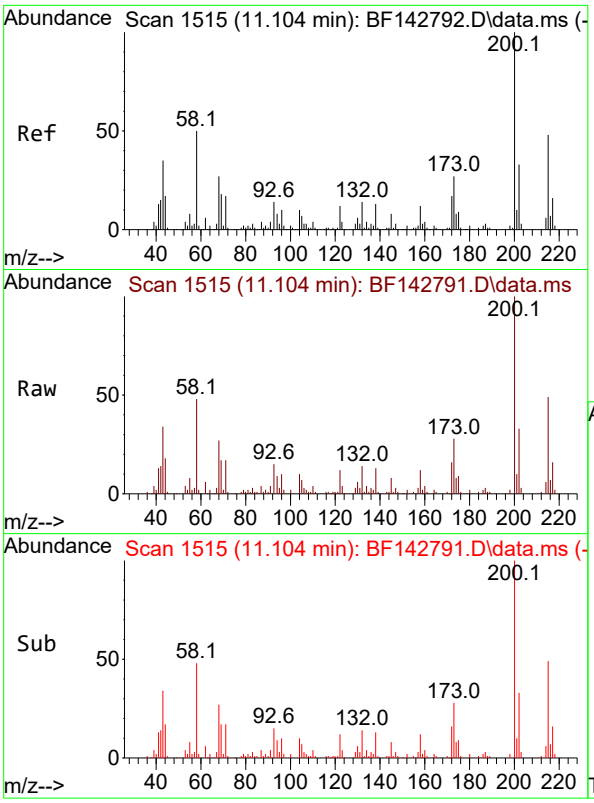


#68
Hexachlorobenzene
Concen: 19.802 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:284 Resp: 71354

Ion	Ratio	Lower	Upper
284	100		
142	30.7	25.5	38.3
249	30.1	24.9	37.3



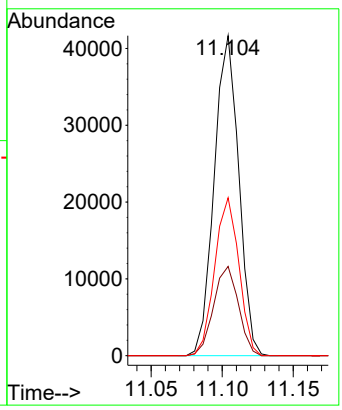


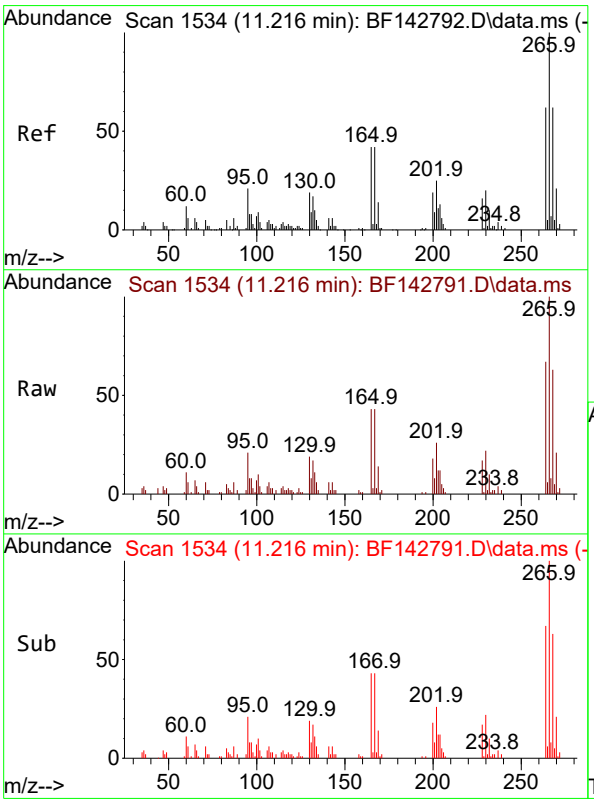
#69
Atrazine
Concen: 19.760 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 49963

Ion	Ratio	Lower	Upper
200	100		
173	27.9	7.4	47.4
215	49.3	28.4	68.4

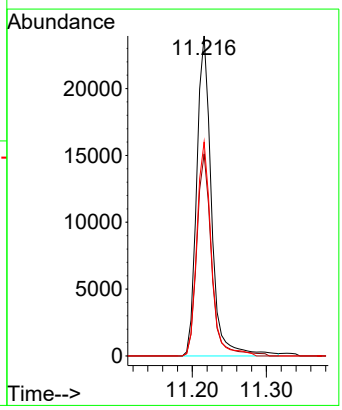


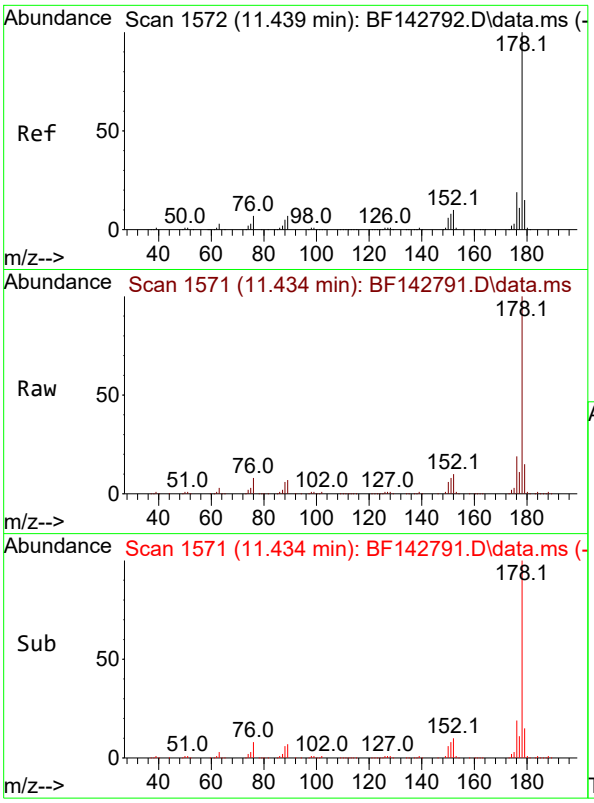


#70
Pentachlorophenol
Concen: 17.680 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:266 Resp: 33089

Ion	Ratio	Lower	Upper
266	100		
268	63.1	49.8	74.8
264	66.8	49.9	74.9



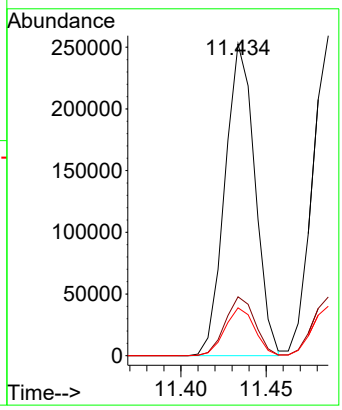


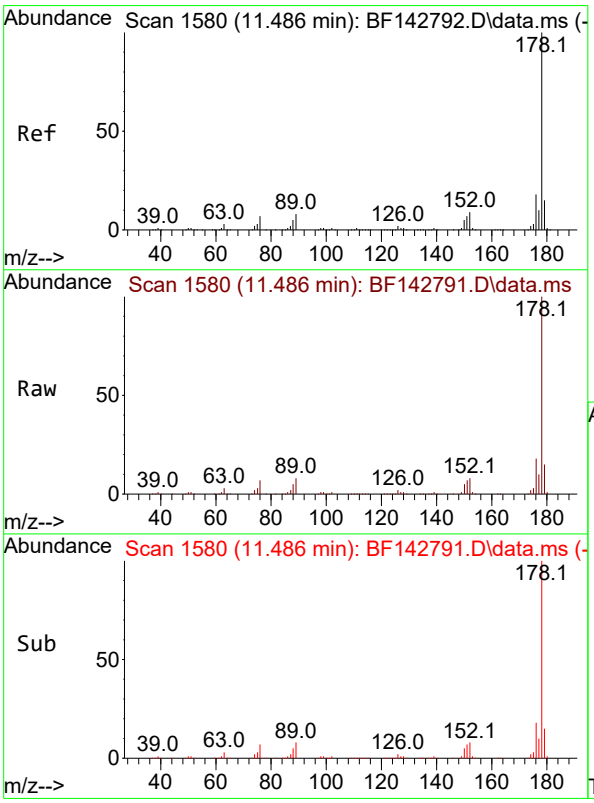
#71
Phenanthrene
Concen: 20.826 ng
RT: 11.434 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 309015

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.3	12.0	18.0

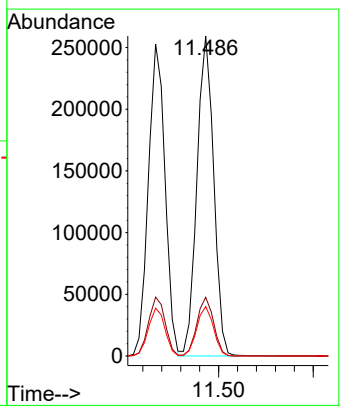


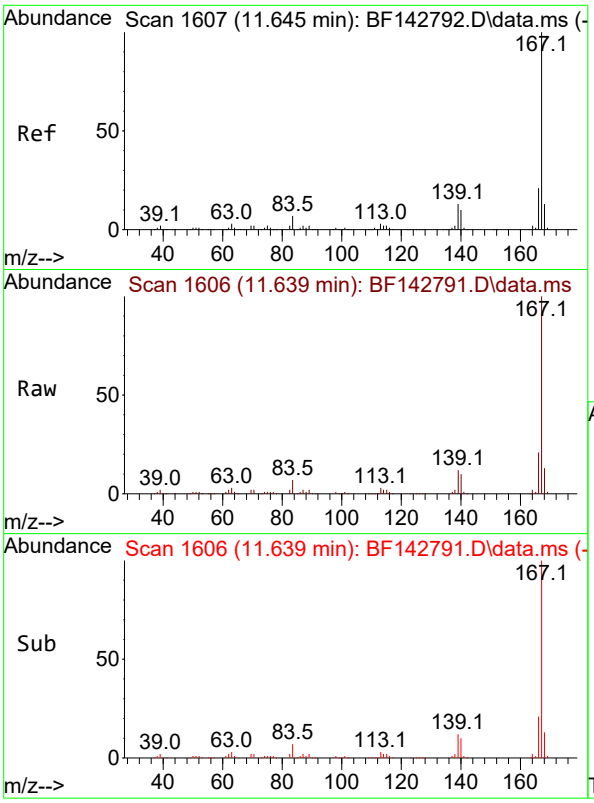


#72
Anthracene
Concen: 20.730 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:178 Resp: 318388

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	15.4	12.4	18.6



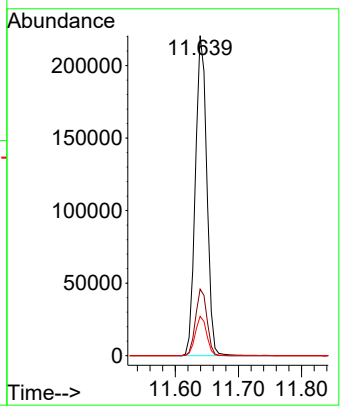


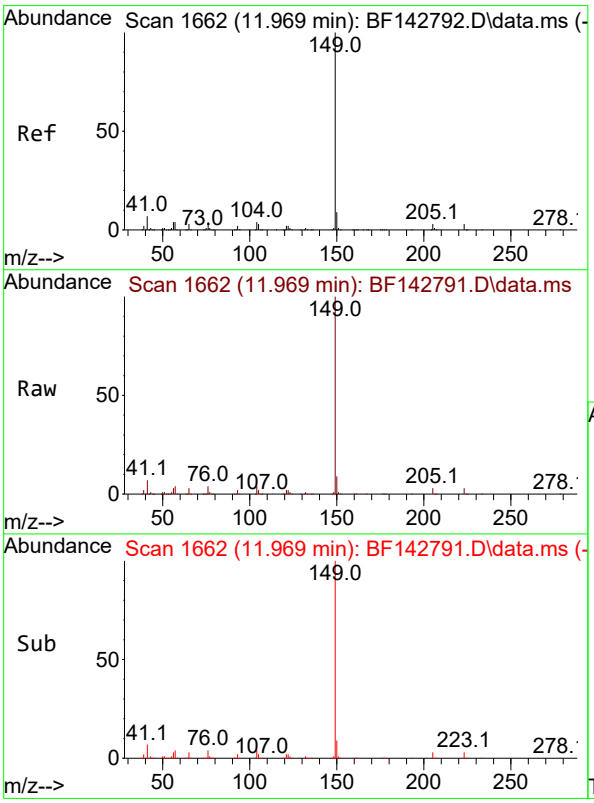
#73
Carbazole
Concen: 21.523 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 276824

Ion	Ratio	Lower	Upper
167	100		
166	20.8	17.0	25.4
139	12.3	10.2	15.2

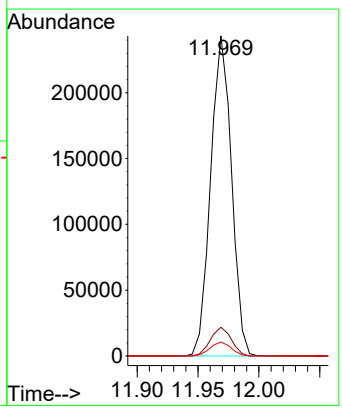


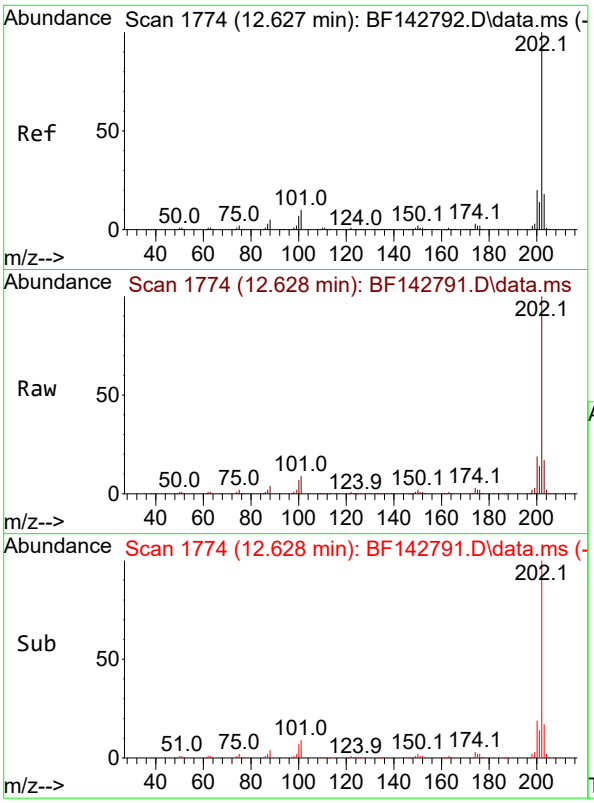


#74
Di-n-butylphthalate
Concen: 20.342 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:149 Resp: 289686

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	4.4	3.5	5.3



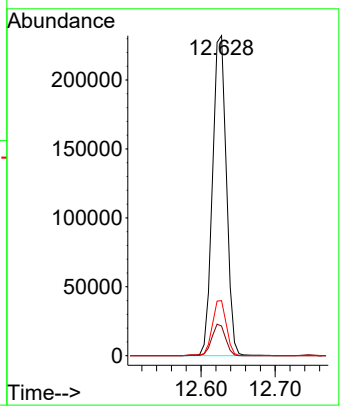


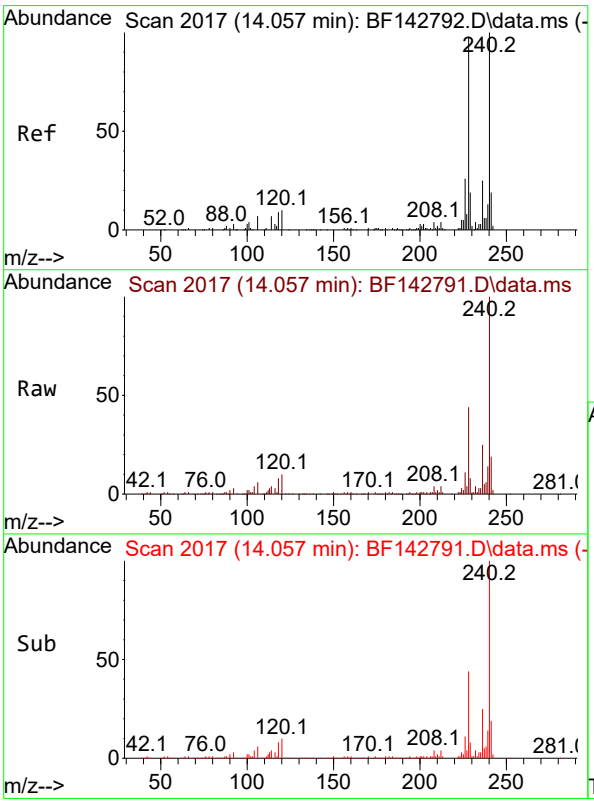
#75
Fluoranthene
Concen: 21.424 ng
RT: 12.628 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 302035

Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	29.7
203	17.2	0.0	37.5

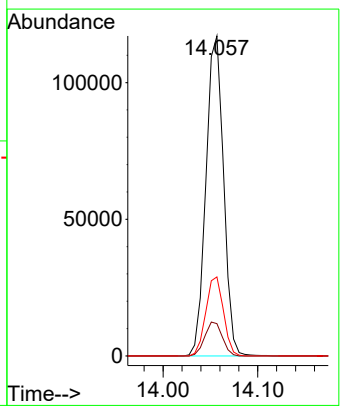


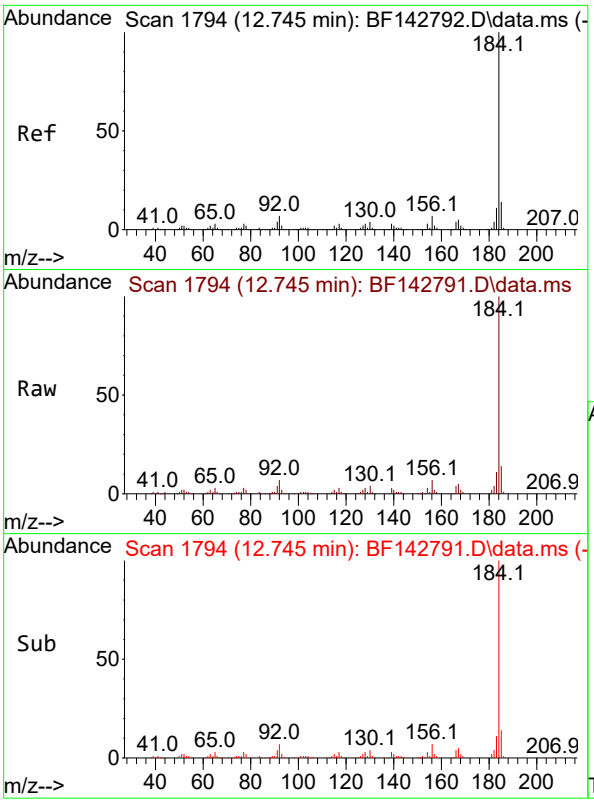


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:240 Resp: 151398

Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.2	12.2
236	24.7	19.8	29.8



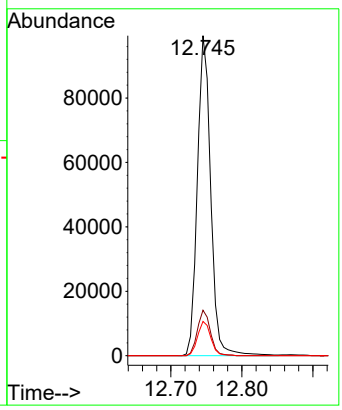


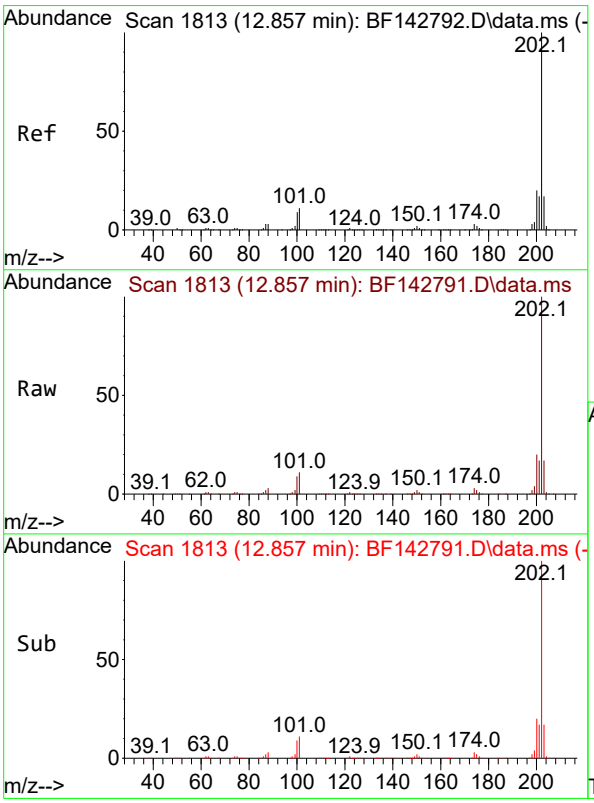
#77
Benzidine
Concen: 24.285 ng
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 130162

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.5	17.3
183	10.7	9.0	13.4

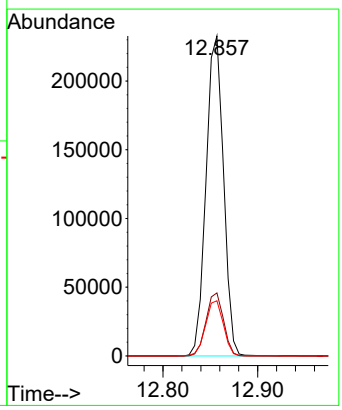


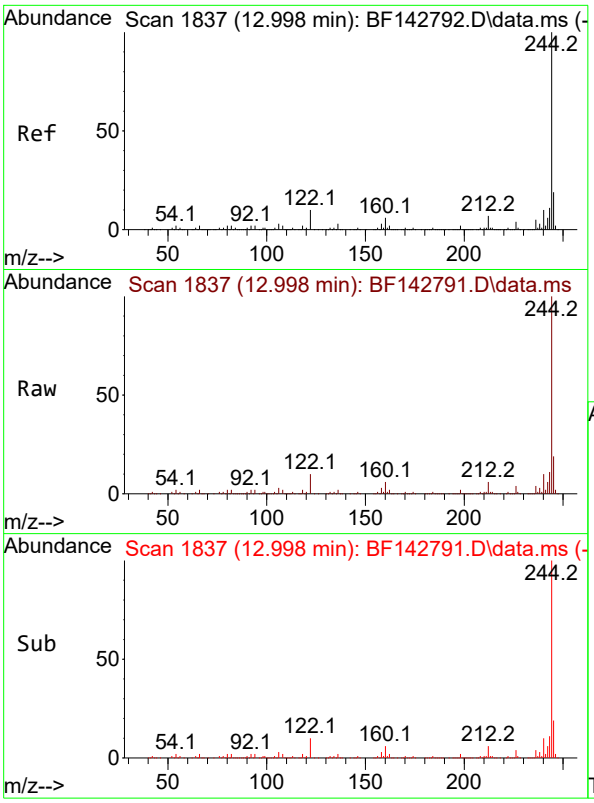


#78
Pyrene
Concen: 21.413 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:202 Resp: 297999

Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.7	23.5
203	17.3	13.8	20.6



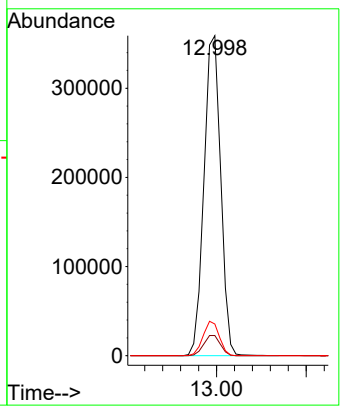


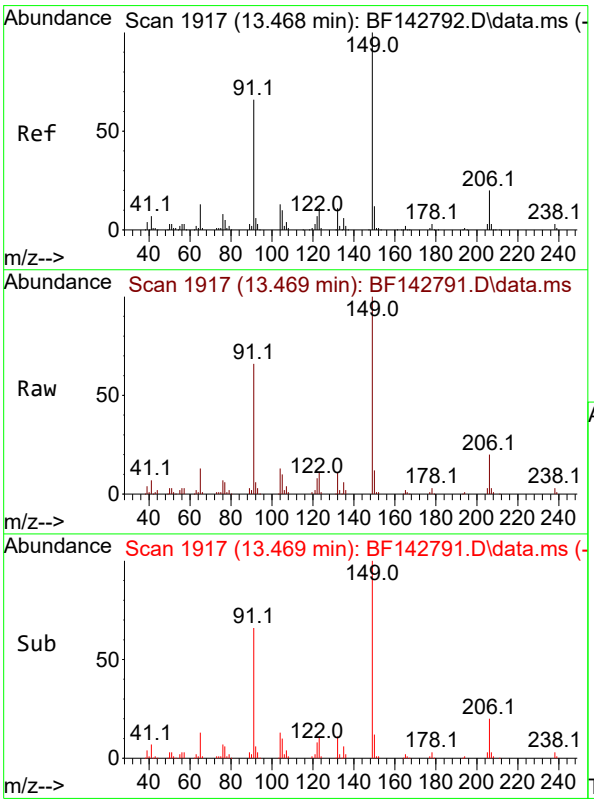
#79
Terphenyl-d14
Concen: 42.675 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 464214

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	9.9	8.2	12.2

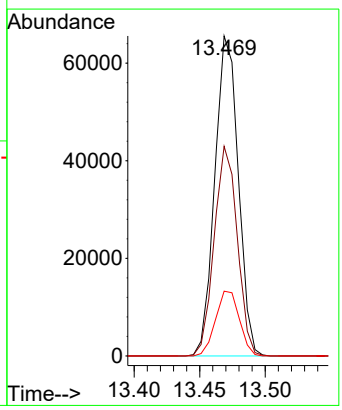


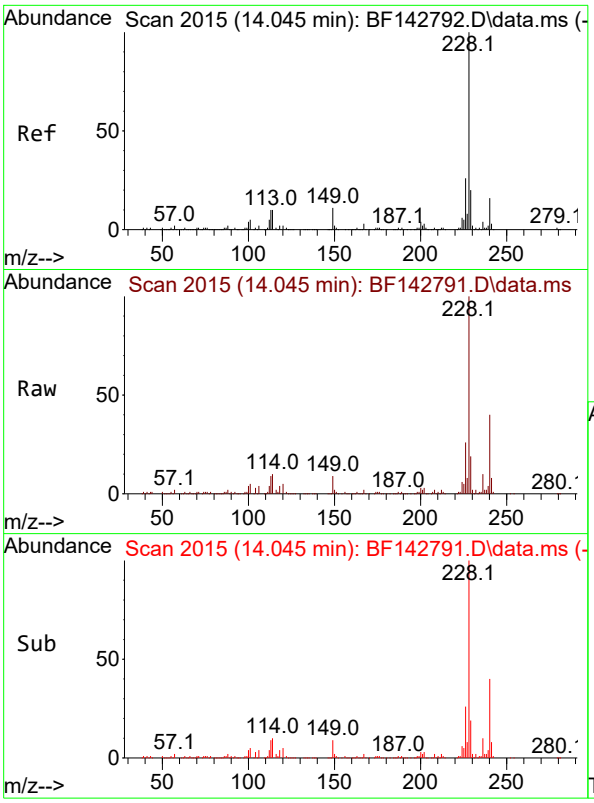


#80
Butylbenzylphthalate
Concen: 19.761 ng
RT: 13.469 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:149 Resp: 81500

Ion	Ratio	Lower	Upper
149	100		
91	65.5	52.9	79.3
206	20.3	16.3	24.5



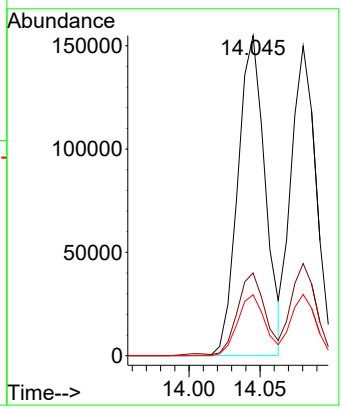


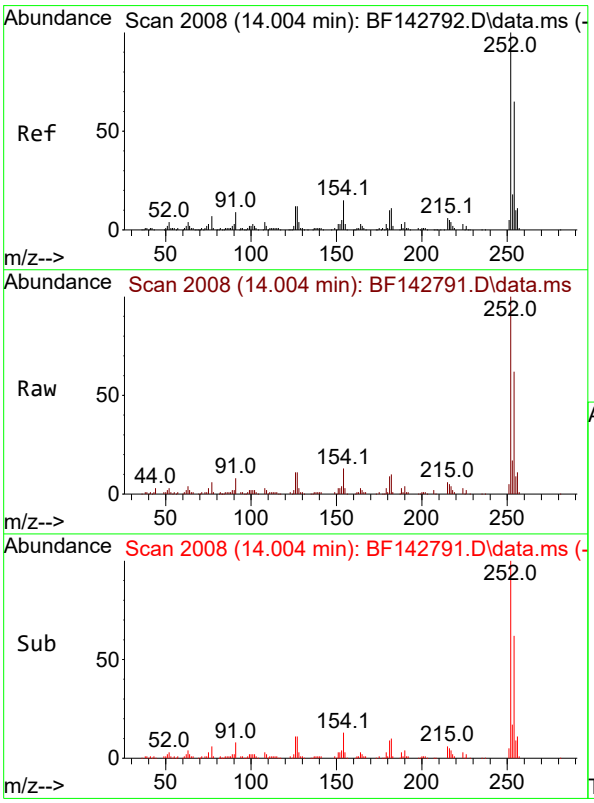
#81
Benzo(a)anthracene
Concen: 20.807 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 206831

Ion	Ratio	Lower	Upper
228	100		
226	25.8	21.2	31.8
229	19.0	15.6	23.4

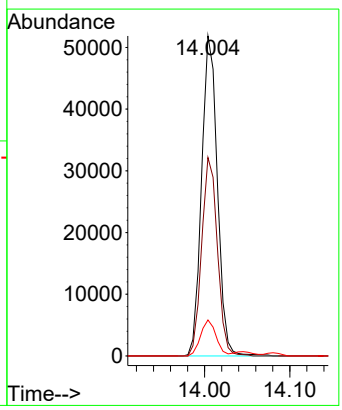


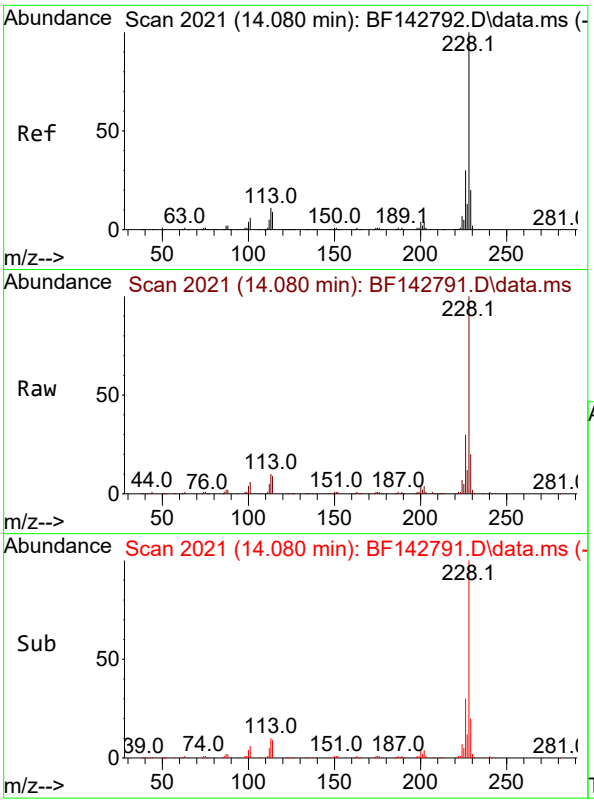


#82
3,3'-Dichlorobenzidine
Concen: 20.714 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:252 Resp: 66675

Ion	Ratio	Lower	Upper
252	100		
254	62.0	51.7	77.5
126	11.3	9.4	14.2



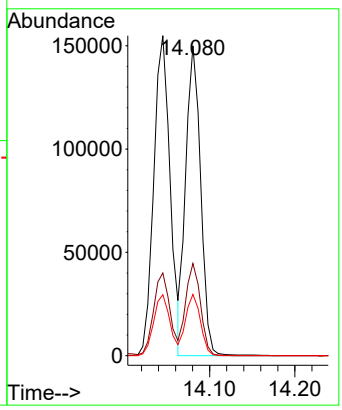


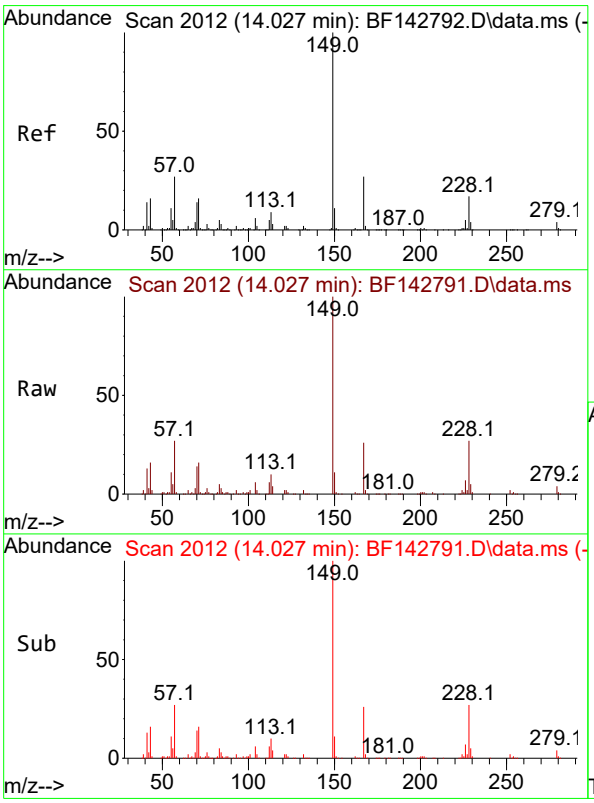
#83
Chrysene
Concen: 19.756 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 182829

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.7	35.5
229	19.8	15.7	23.5

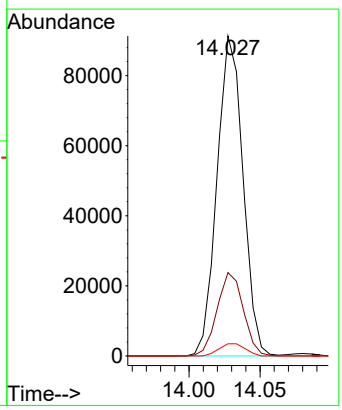


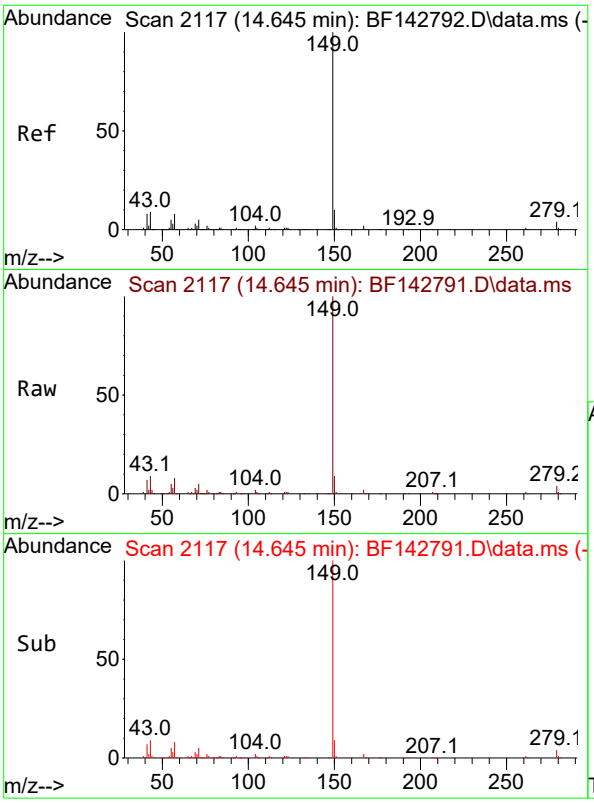


#84
Bis(2-ethylhexyl)phthalate
Concen: 18.892 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:149 Resp: 116092

Ion	Ratio	Lower	Upper
149	100		
167	26.0	21.4	32.0
279	3.8	3.0	4.6



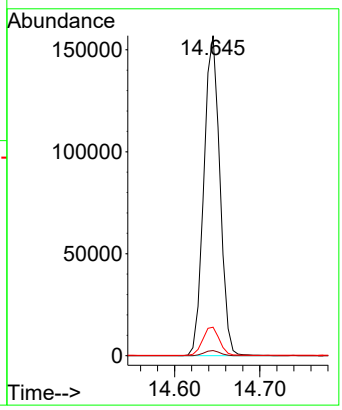


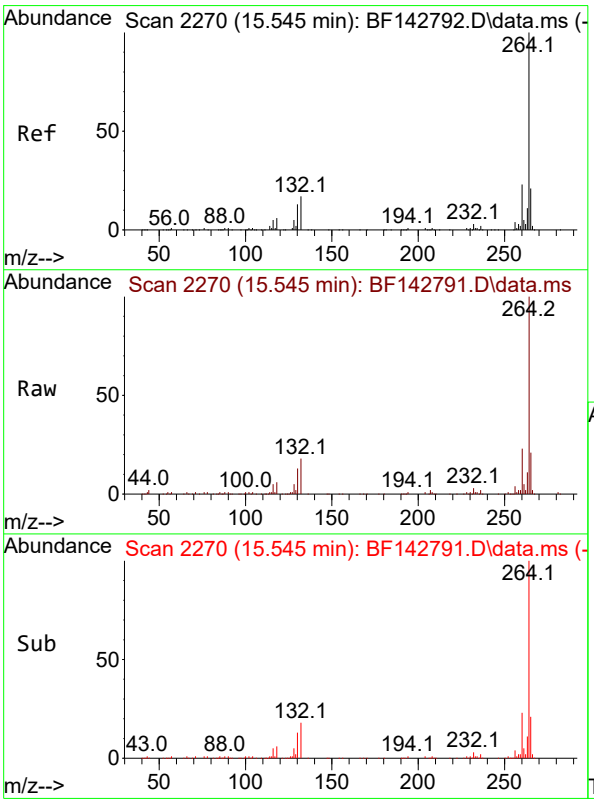
#85
Di-n-octyl phthalate
Concen: 17.475 ng
RT: 14.645 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 204632

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.2	7.6	11.4

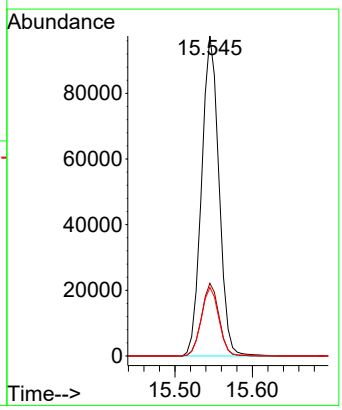


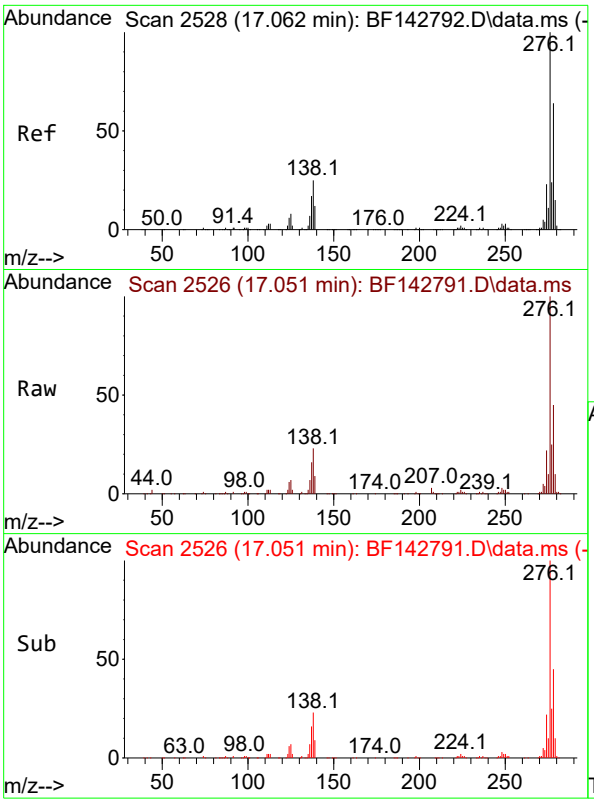


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:264 Resp: 151331

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.1	27.1
265	21.4	16.6	25.0



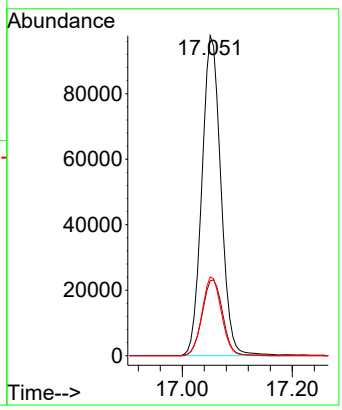


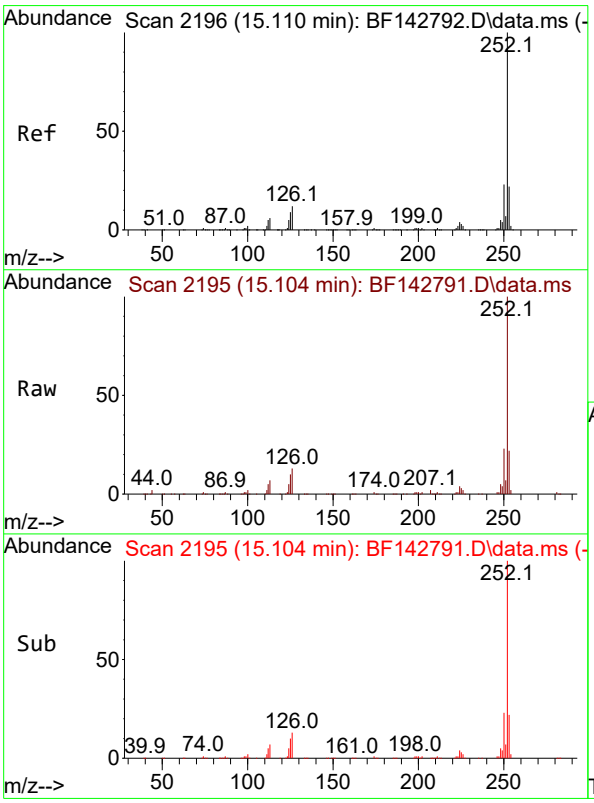
#87
Indeno(1,2,3-cd)pyrene
Concen: 20.893 ng
RT: 17.051 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 233757

Ion	Ratio	Lower	Upper
276	100		
138	25.6	20.2	30.4
277	25.2	19.8	29.6

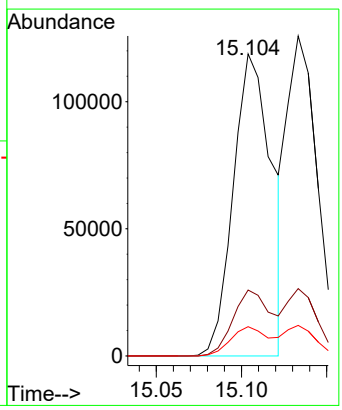


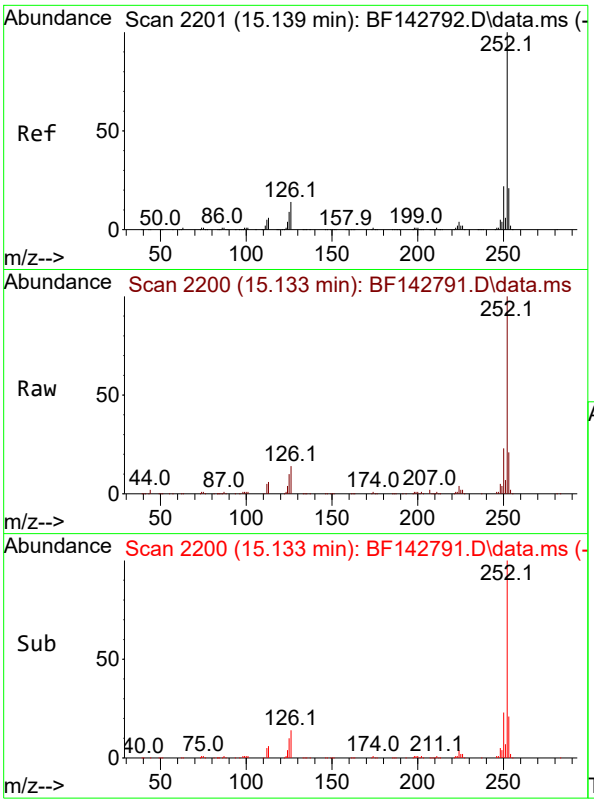


#88
Benzo(b)fluoranthene
Concen: 21.056 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:252 Resp: 185574

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	9.7	7.4	11.0



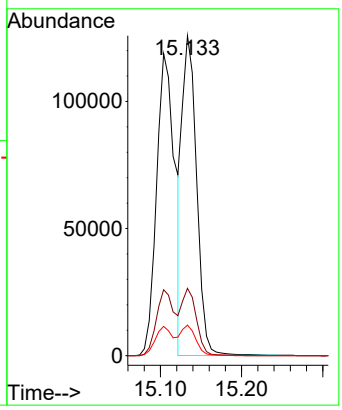


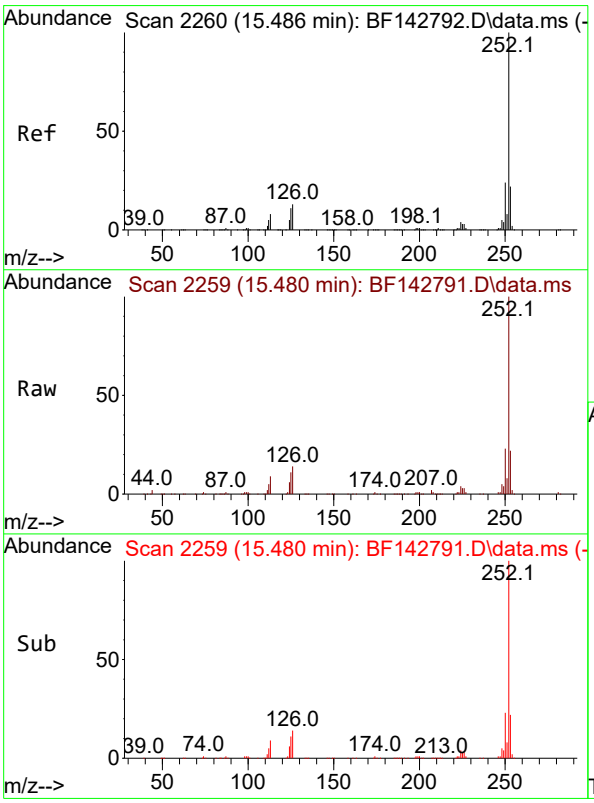
#89
Benzo(k)fluoranthene
Concen: 18.201 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 156588

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.2	25.8
125	9.6	7.4	11.2

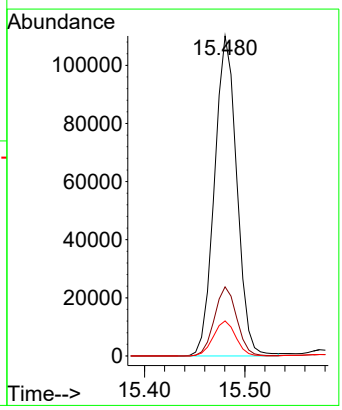


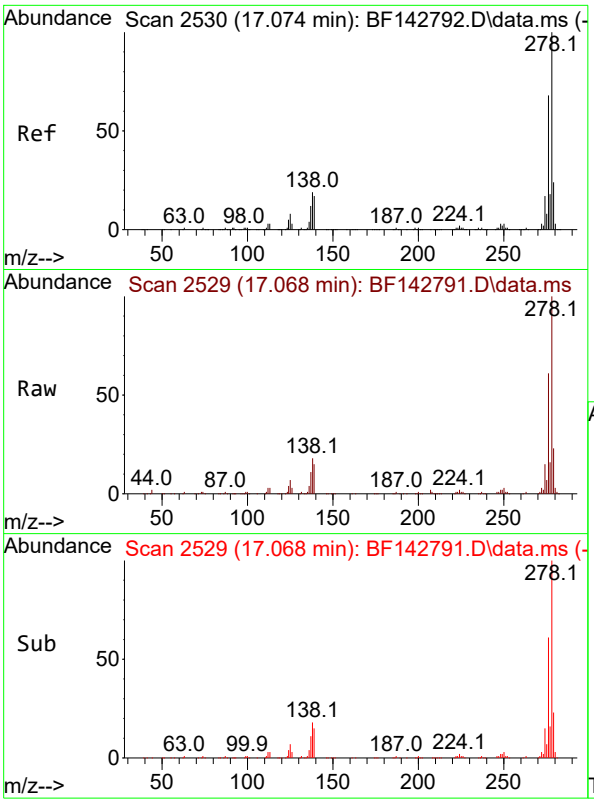


#90
Benzo(a)pyrene
Concen: 20.162 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:252 Resp: 170053

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	11.0	8.6	12.8



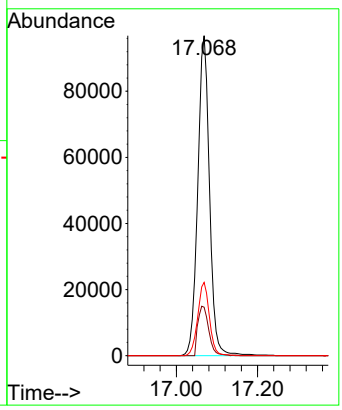


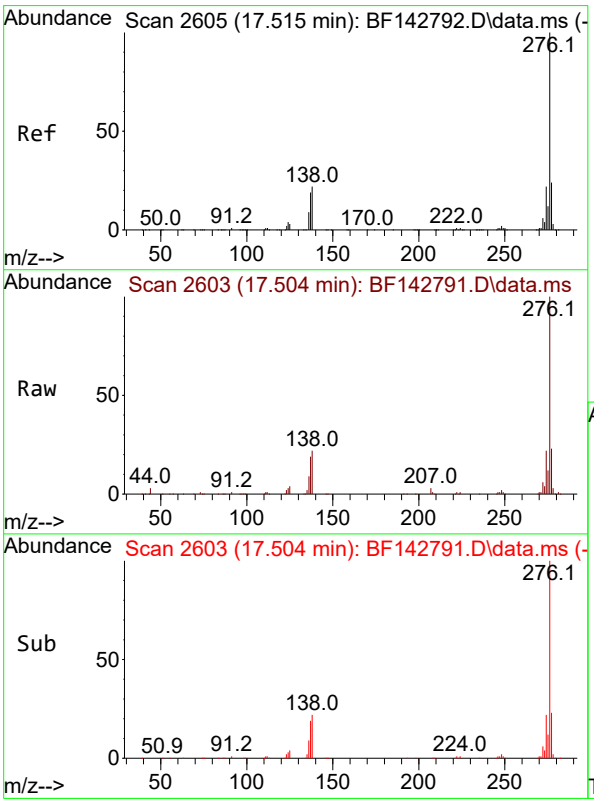
#91
Dibenzo(a,h)anthracene
Concen: 21.504 ng
RT: 17.068 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 195608

Ion	Ratio	Lower	Upper
278	100		
139	15.1	13.5	20.3
279	22.9	18.8	28.2

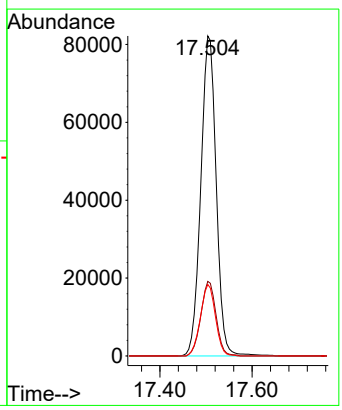




#92
Benzo(g,h,i)perylene
Concen: 21.109 ng
RT: 17.504 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:276 Resp: 191567

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.8	28.2
138	22.3	17.6	26.4



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142792.D
Acq On : 19 Jun 2025 19:09
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jun 20 04:39:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	83734	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	313297	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	161991	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	263346	20.000	ng	0.00
76) Chrysene-d12	14.057	240	142481	20.000	ng	0.00
86) Perylene-d12	15.545	264	170267	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	384996	78.420	ng	0.00
7) Phenol-d6	6.510	99	448961	77.879	ng	0.00
23) Nitrobenzene-d5	7.445	82	443431	77.580	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	129669	73.654	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	926905	76.120	ng	0.00
79) Terphenyl-d14	12.998	244	756495	73.897	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.640	88	77194	39.596	ng	100
3) Pyridine	3.410	79	194866	39.924	ng	100
4) n-Nitrosodimethylamine	3.357	42	99851	39.943	ng	100
6) Aniline	6.545	93	304377	39.397	ng	100
8) 2-Chlorophenol	6.663	128	208444	38.992	ng	100
9) Benzaldehyde	6.434	77	126748	36.063	ng	100
10) Phenol	6.522	94	253916	39.504	ng	100
11) bis(2-Chloroethyl)ether	6.616	93	179469	37.634	ng	100
12) 1,3-Dichlorobenzene	6.822	146	230658	37.892	ng	100
13) 1,4-Dichlorobenzene	6.898	146	235951	38.243	ng	100
14) 1,2-Dichlorobenzene	7.051	146	222976	37.805	ng	100
15) Benzyl Alcohol	7.022	79	163491	37.888	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.157	45	288515	38.400	ng	100
17) 2-Methylphenol	7.134	107	157159	38.454	ng	100
18) Hexachloroethane	7.392	117	83524	37.870	ng	100
19) n-Nitroso-di-n-propyla...	7.292	70	131792	36.251	ng	100
20) 3+4-Methylphenols	7.286	107	196876	38.274	ng	100
22) Acetophenone	7.292	105	262224	37.828	ng	100
24) Nitrobenzene	7.463	77	200051	39.383	ng	100
25) Isophorone	7.704	82	347894	36.294	ng	100
26) 2-Nitrophenol	7.781	139	111792	39.497	ng	100
27) 2,4-Dimethylphenol	7.816	122	187808	38.974	ng	100
28) bis(2-Chloroethoxy)met...	7.910	93	222264	37.249	ng	100
29) 2,4-Dichlorophenol	8.022	162	171329	38.576	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	187194	38.155	ng	100
31) Naphthalene	8.186	128	584986	37.966	ng	100
32) Benzoic acid	7.922	122	98210	36.734	ng	100
33) 4-Chloroaniline	8.233	127	237317	38.432	ng	100
34) Hexachlorobutadiene	8.304	225	115333	37.099	ng	100
35) Caprolactam	8.604	113	44914	37.583	ng	100
36) 4-Chloro-3-methylphenol	8.716	107	168353	36.695	ng	100
37) 2-Methylnaphthalene	8.880	142	362692	37.313	ng	100
38) 1-Methylnaphthalene	8.980	142	374836	37.143	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	180481	38.596	ng	100
41) Hexachlorocyclopentadiene	9.033	237	108999	36.863	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	118412	39.129	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142792.D
Acq On : 19 Jun 2025 19:09
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jun 20 04:39:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

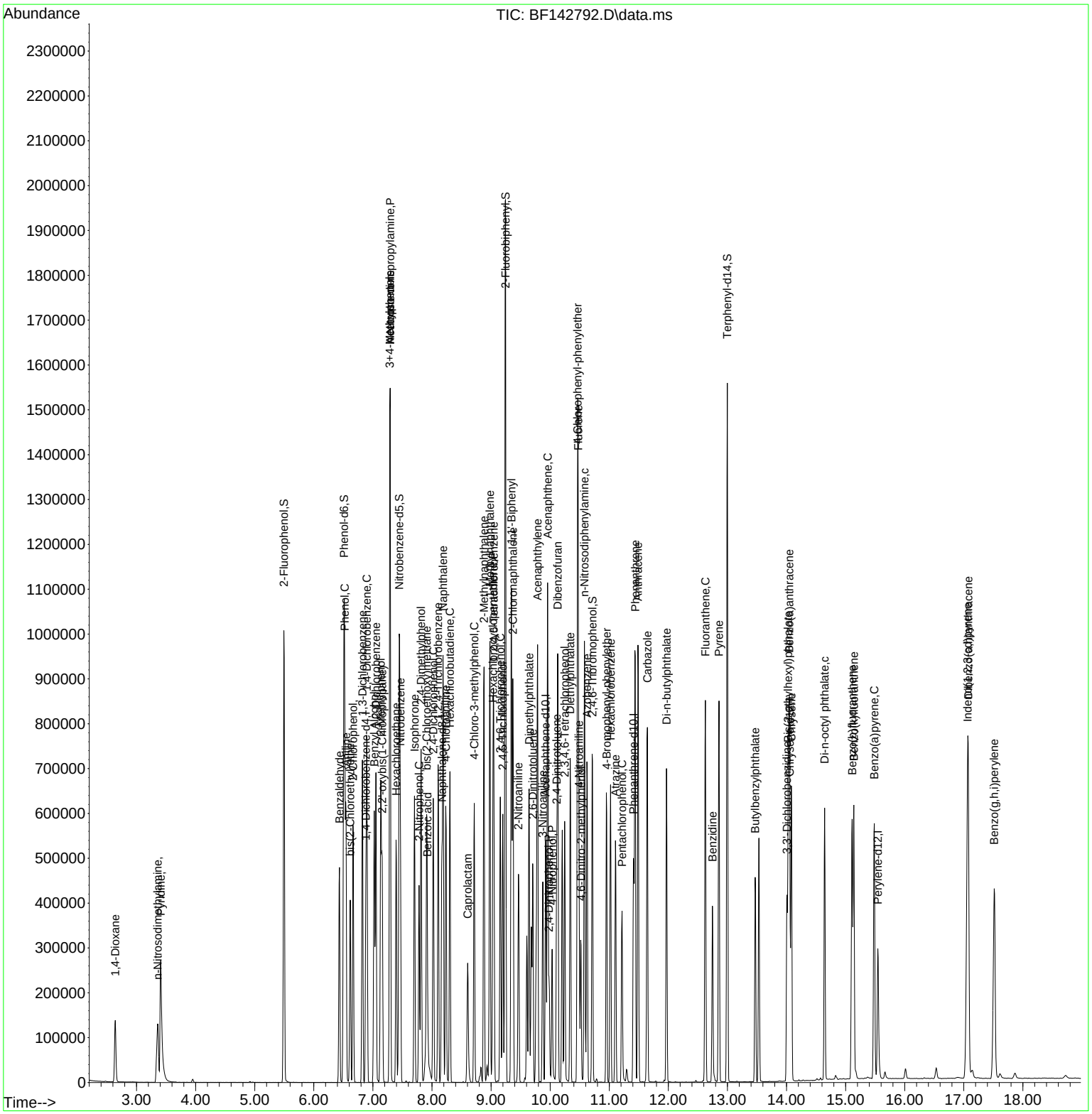
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	126712	38.774	ng	100
46) 1,1'-Biphenyl	9.345	154	487587	38.765	ng	100
47) 2-Chloronaphthalene	9.369	162	365760	39.408	ng	100
48) 2-Nitroaniline	9.463	65	105098	39.858	ng	100
49) Acenaphthylene	9.786	152	603057	38.649	ng	100
50) Dimethylphthalate	9.645	163	397980	37.038	ng	100
51) 2,6-Dinitrotoluene	9.704	165	89811	38.557	ng	100
52) Acenaphthene	9.957	154	369889	38.310	ng	100
53) 3-Nitroaniline	9.875	138	97950	38.714	ng	100
54) 2,4-Dinitrophenol	9.980	184	46000	36.494	ng	100
55) Dibenzofuran	10.127	168	526718	38.235	ng	100
56) 4-Nitrophenol	10.033	139	67375	39.230	ng	100
57) 2,4-Dinitrotoluene	10.110	165	119021	38.644	ng	100
58) Fluorene	10.475	166	408102	37.535	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	100957	36.847	ng	100
60) Diethylphthalate	10.339	149	392278	36.752	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	193928	36.726	ng	100
62) 4-Nitroaniline	10.486	138	88142	38.806	ng	100
63) Azobenzene	10.622	77	350110	37.534	ng	100
65) 4,6-Dinitro-2-methylph...	10.522	198	62800	38.375	ng	100
66) n-Nitrosodiphenylamine	10.580	169	353033	39.014	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	114874	37.246	ng	100
68) Hexachlorobenzene	11.022	284	126882	37.057	ng	100
69) Atrazine	11.104	200	91444	38.060	ng	100
70) Pentachlorophenol	11.216	266	65999	37.113	ng	100
71) Phenanthrene	11.439	178	542935	38.508	ng	100
72) Anthracene	11.486	178	560180	38.384	ng	100
73) Carbazole	11.645	167	473801	38.769	ng	100
74) Di-n-butylphthalate	11.969	149	498285	36.824	ng	100
75) Fluoranthene	12.627	202	502656	37.522	ng	100
77) Benzidine	12.745	184	220379	43.691	ng	100
78) Pyrene	12.857	202	496538	37.911	ng	100
80) Butylbenzylphthalate	13.468	149	155920	40.172	ng	100
81) Benzo(a)anthracene	14.045	228	360377	38.522	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	122140	40.321	ng	100
83) Chrysene	14.080	228	331830	38.101	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	228949	39.589	ng	100
85) Di-n-octyl phthalate	14.645	149	416971	37.837	ng	100
87) Indeno(1,2,3-cd)pyrene	17.062	276	501803	39.863	ng	100
88) Benzo(b)fluoranthene	15.110	252	365164	36.825	ng	100
89) Benzo(k)fluoranthene	15.139	252	352993	36.466	ng	100
90) Benzo(a)pyrene	15.486	252	363990	38.357	ng	100
91) Dibenzo(a,h)anthracene	17.074	278	401876	39.266	ng	100
92) Benzo(g,h,i)perylene	17.515	276	404711	39.635	ng	100

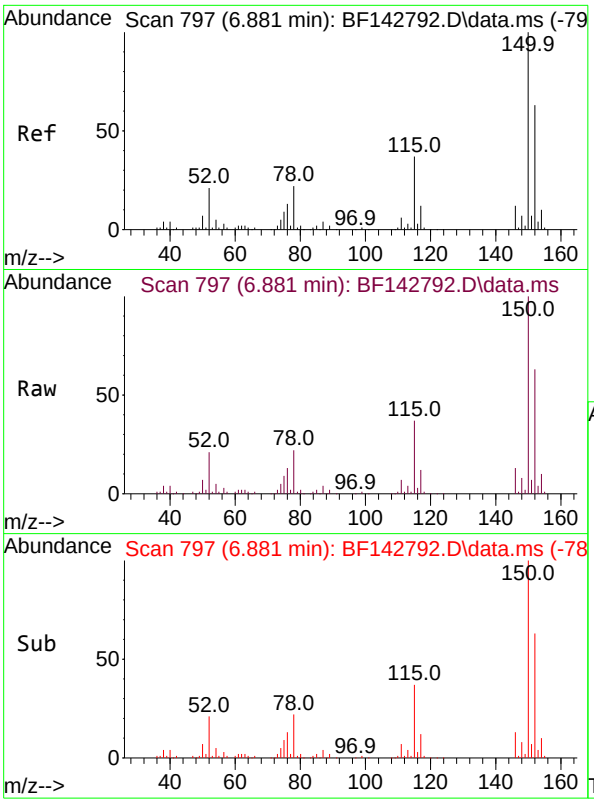
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142792.D
Acq On : 19 Jun 2025 19:09
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jun 20 04:39:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



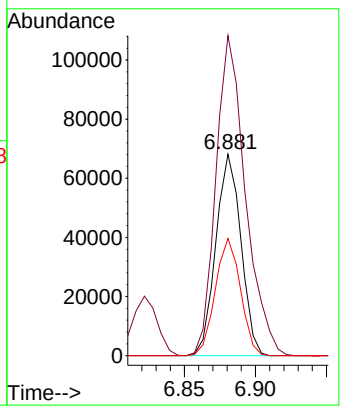


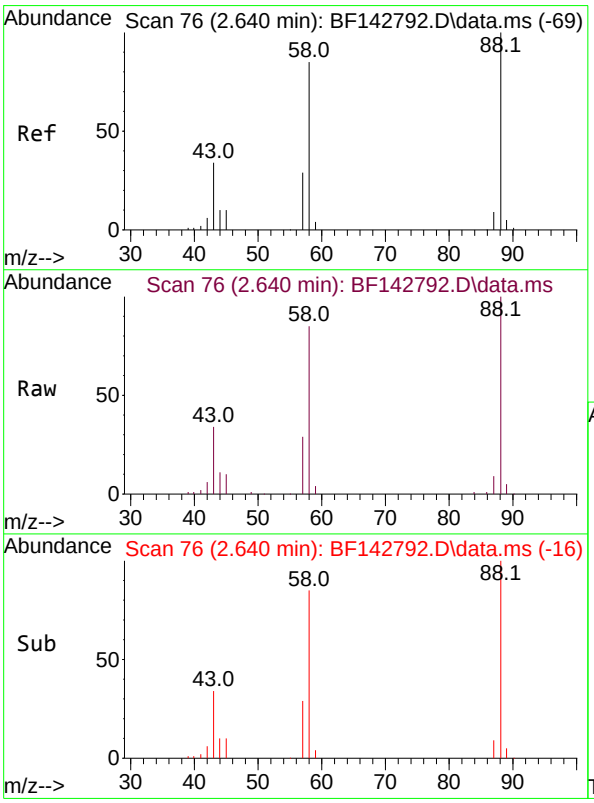
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 83734

Ion	Ratio	Lower	Upper
152	100		
150	159.0	127.2	190.8
115	58.2	46.6	69.8

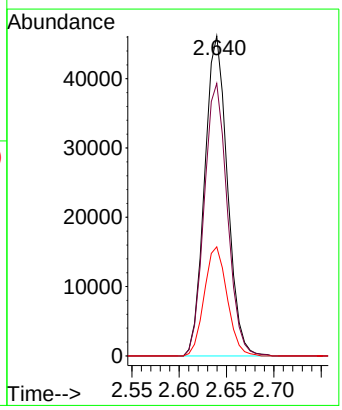


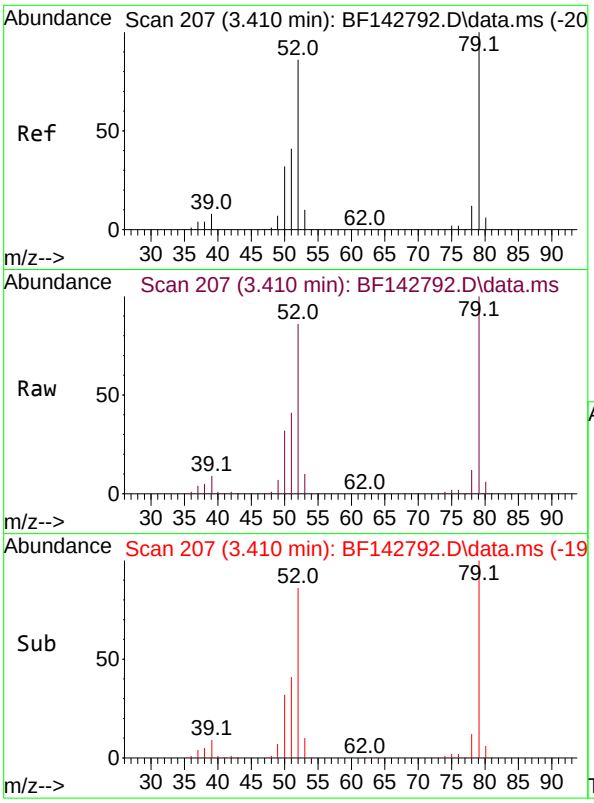


#2
1,4-Dioxane
Concen: 39.596 ng
RT: 2.640 min Scan# 76
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion: 88 Resp: 77194

Ion	Ratio	Lower	Upper
88	100		
58	86.4	69.1	103.7
43	34.3	27.4	41.2



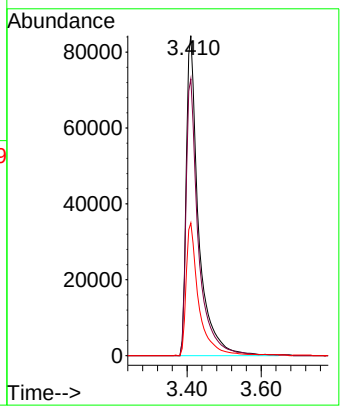


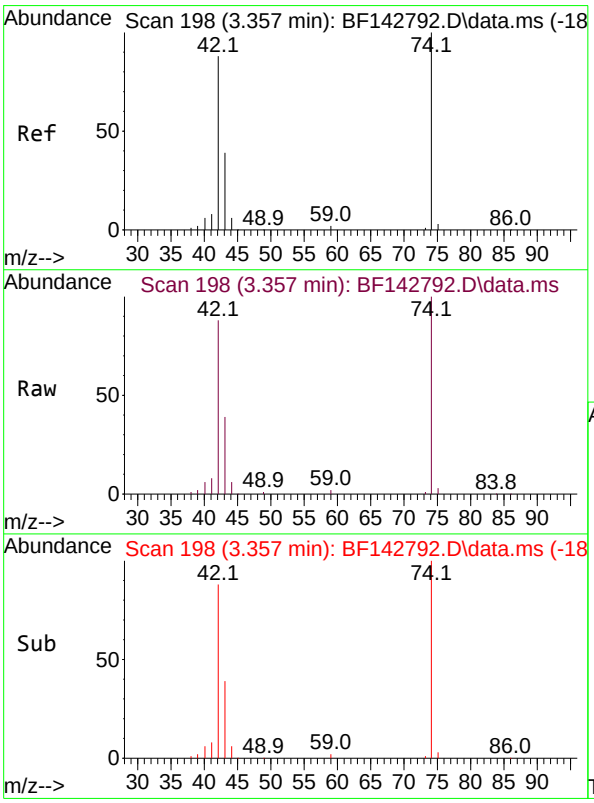
#3
Pyridine
Concen: 39.924 ng
RT: 3.410 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 194866

Ion	Ratio	Lower	Upper
79	100		
52	86.5	69.2	103.8
51	41.5	33.2	49.8

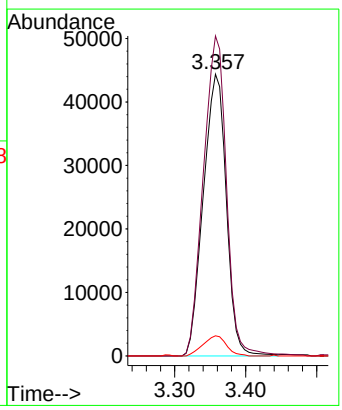


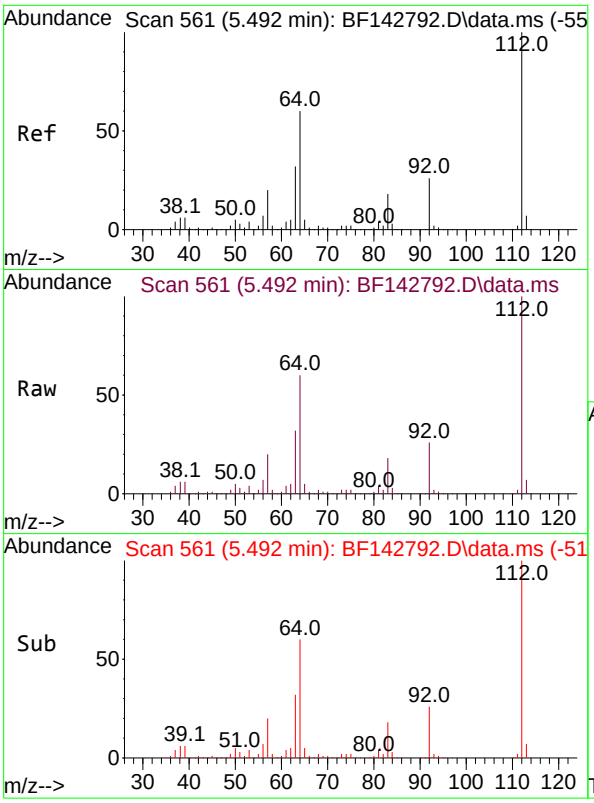


#4
n-Nitrosodimethylamine
Concen: 39.943 ng
RT: 3.357 min Scan# 198
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion: 42 Resp: 99851

Ion	Ratio	Lower	Upper
42	100		
74	113.6	90.9	136.3
44	7.2	5.8	8.6



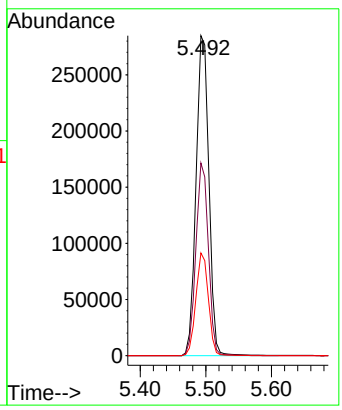


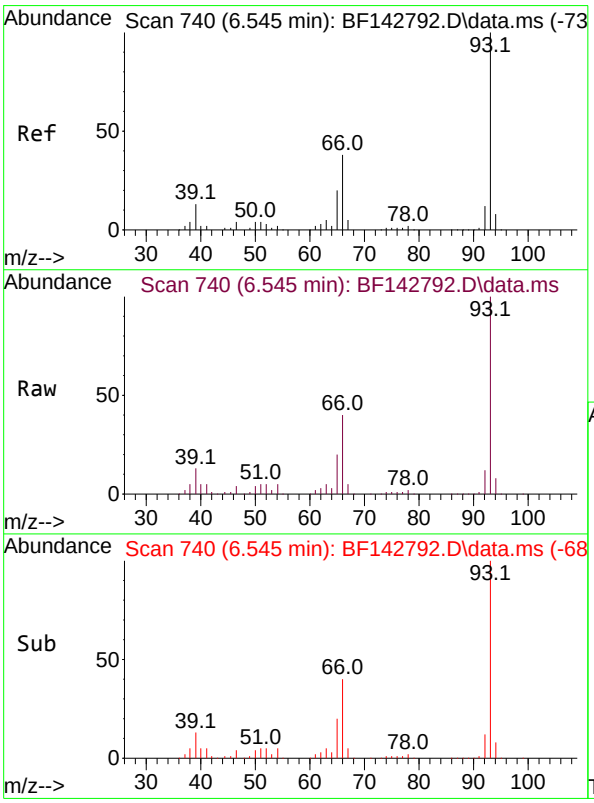
#5
2-Fluorophenol
Concen: 78.420 ng
RT: 5.492 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 384996

Ion	Ratio	Lower	Upper
112	100		
64	60.2	48.2	72.2
63	32.1	25.7	38.5

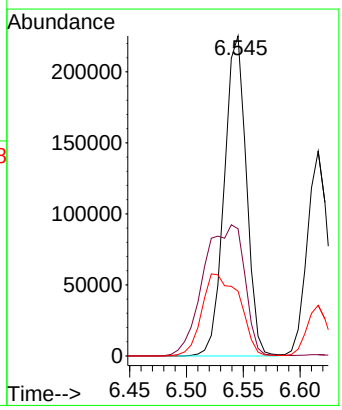


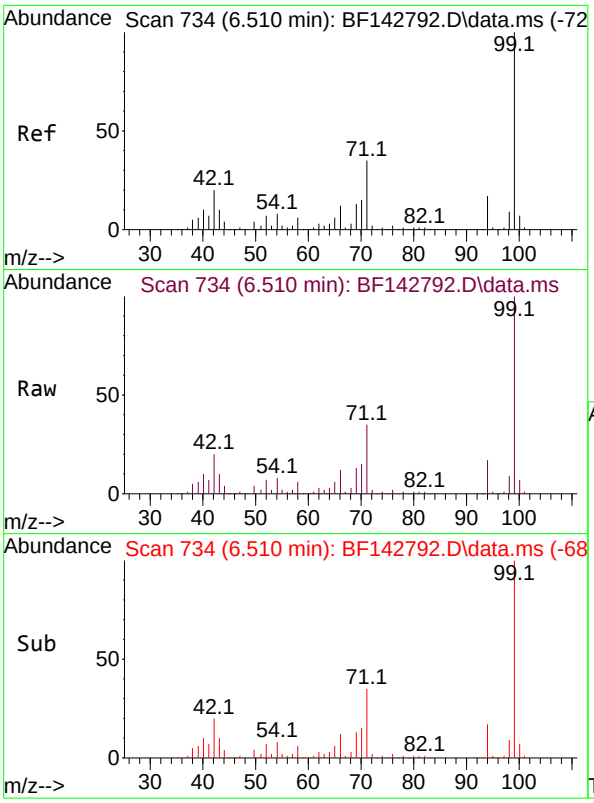


#6
Aniline
Concen: 39.397 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion: 93 Resp: 304377

Ion	Ratio	Lower	Upper
93	100		
66	39.7	31.8	47.6
65	20.2	16.2	24.2



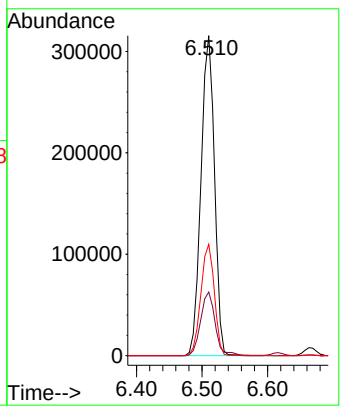


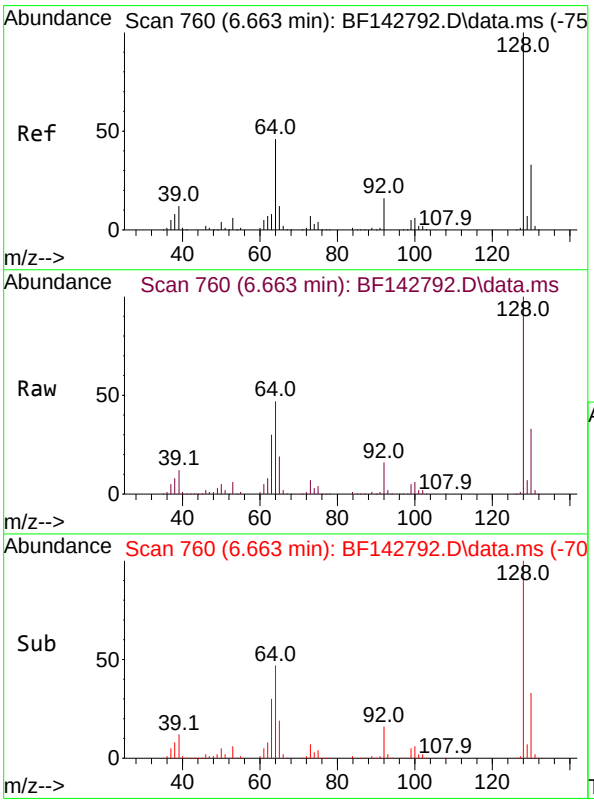
#7
Phenol-d6
Concen: 77.879 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 448961

Ion	Ratio	Lower	Upper
99	100		
42	19.9	15.9	23.9
71	34.8	27.8	41.8

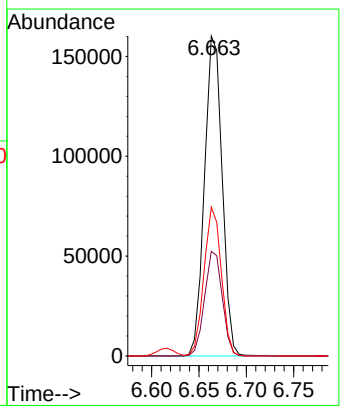


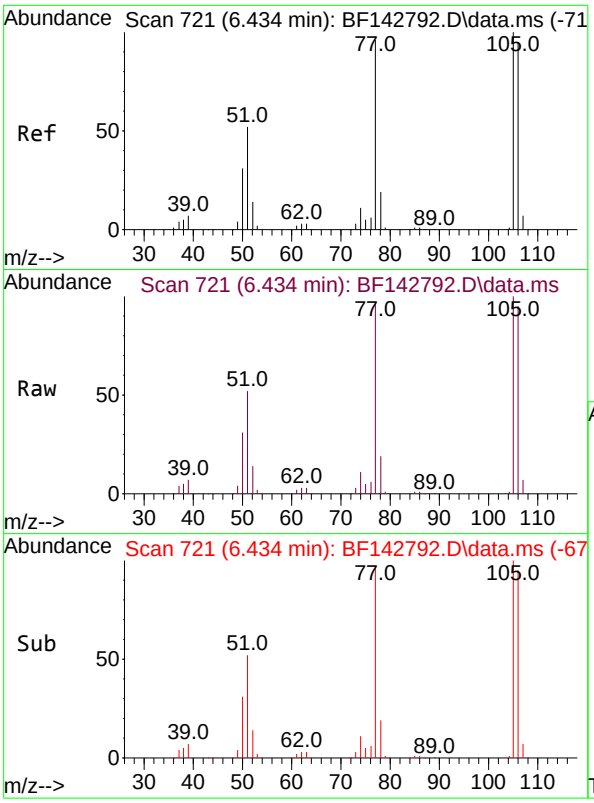


#8
2-Chlorophenol
Concen: 38.992 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:128 Resp: 208444

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.7	52.7
64	46.5	26.5	66.5



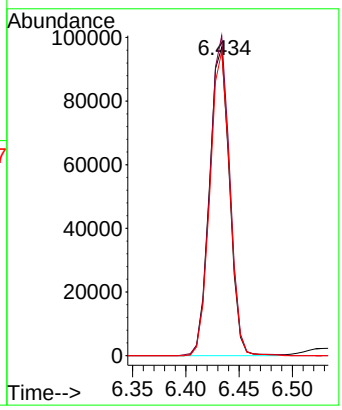


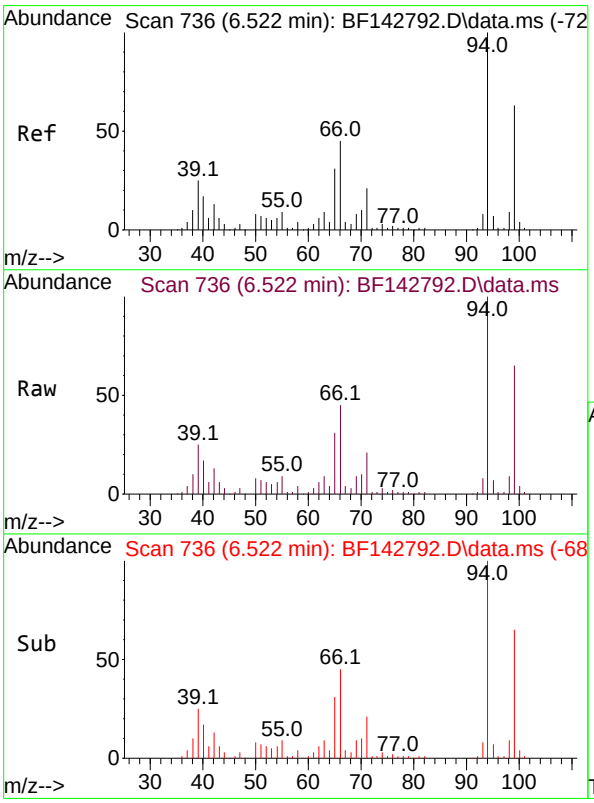
#9
Benzaldehyde
Concen: 36.063 ng
RT: 6.434 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 126748

Ion	Ratio	Lower	Upper
77	100		
105	103.8	83.8	123.8
106	98.7	78.7	118.7

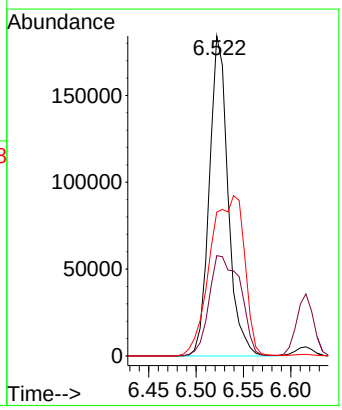


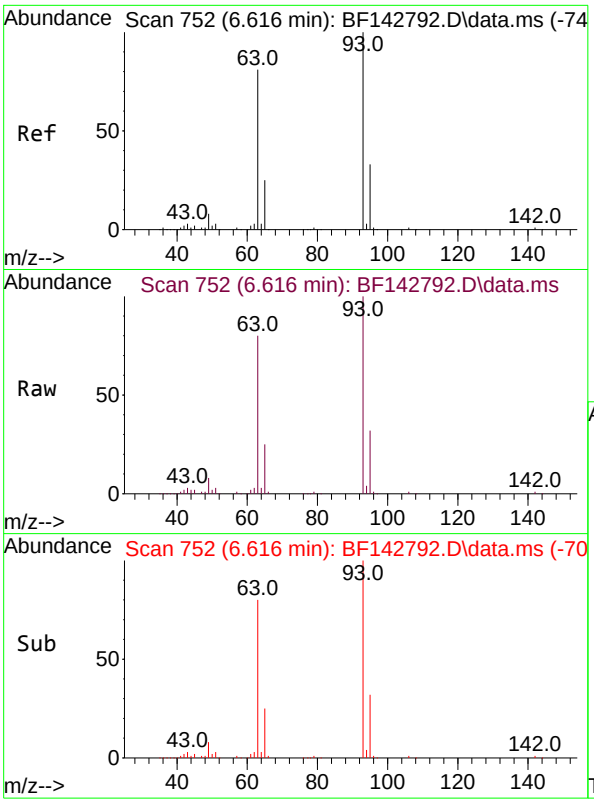


#10
Phenol
Concen: 39.504 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion: 94 Resp: 253916

Ion	Ratio	Lower	Upper
94	100		
65	31.3	11.3	51.3
66	44.9	24.9	64.9



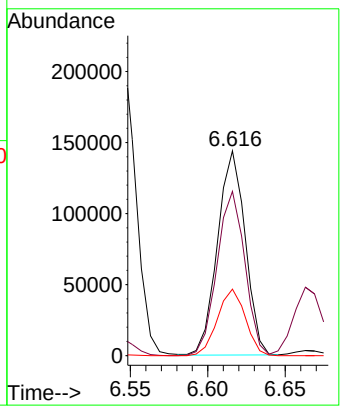


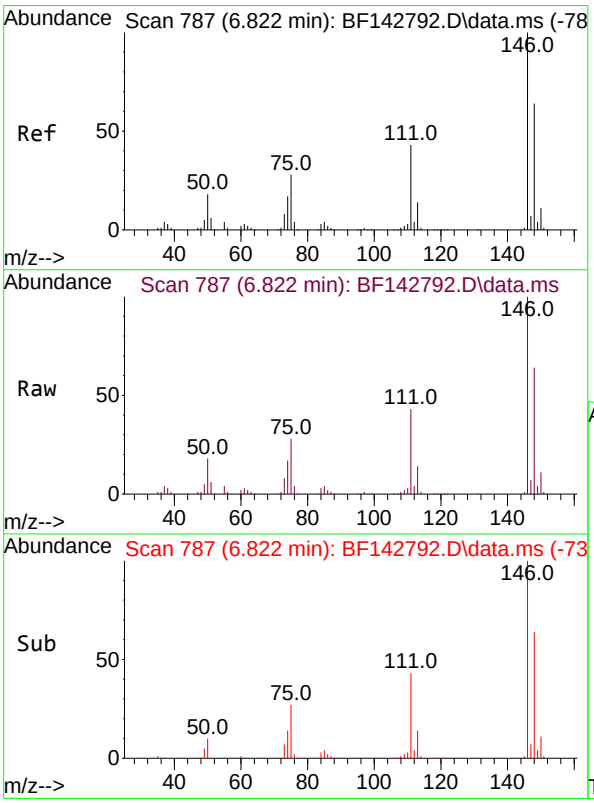
#11
bis(2-Chloroethyl)ether
Concen: 37.634 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 179469

Ion	Ratio	Lower	Upper
93	100		
63	80.3	60.3	100.3
95	32.5	12.5	52.5

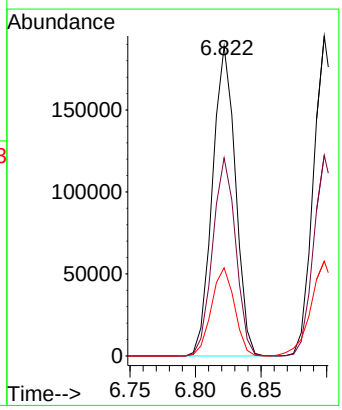


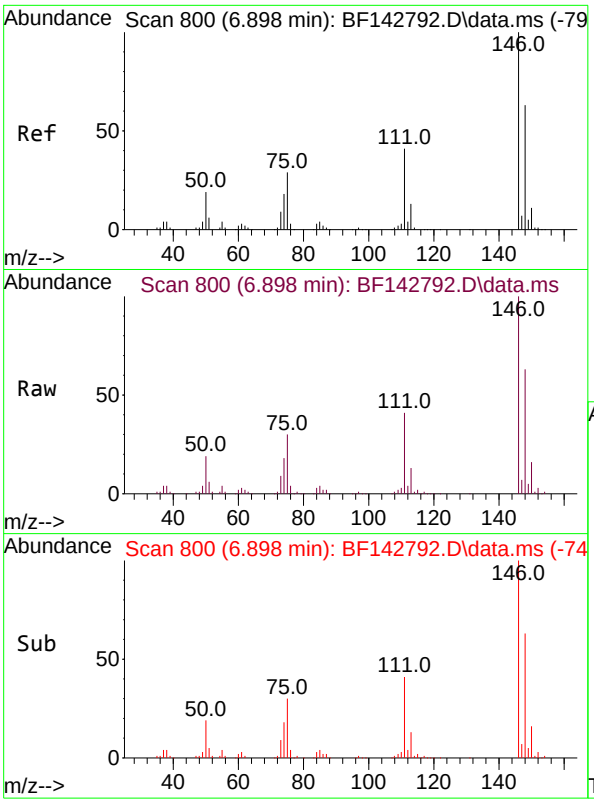


#12
1,3-Dichlorobenzene
Concen: 37.892 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:146 Resp: 230658

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.1	76.7
75	28.4	22.7	34.1



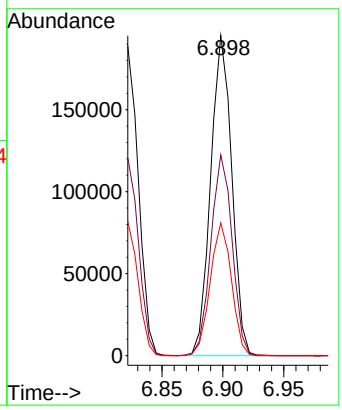


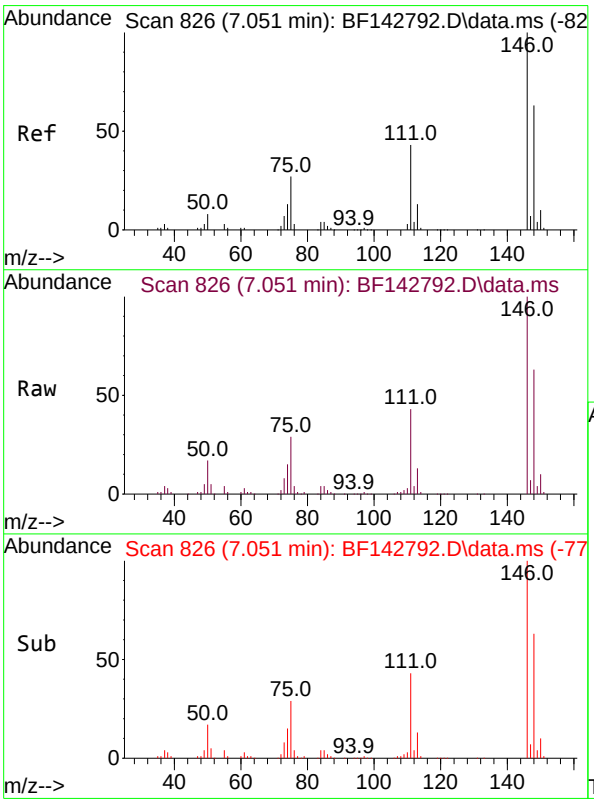
#13
1,4-Dichlorobenzene
Concen: 38.243 ng
RT: 6.898 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 235951

Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.2	75.2
111	41.5	33.2	49.8

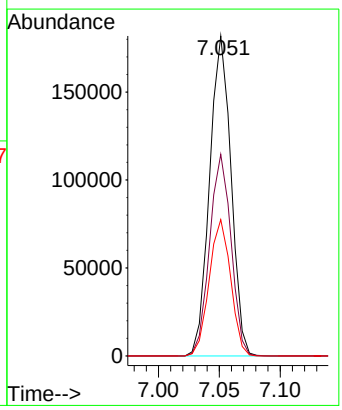


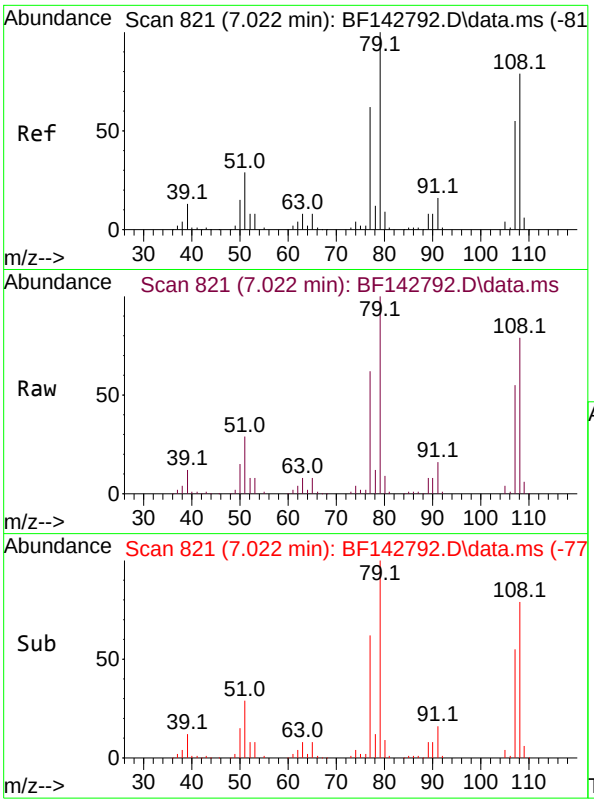


#14
1,2-Dichlorobenzene
Concen: 37.805 ng
RT: 7.051 min Scan# 826
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:146 Resp: 222976

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.4	75.6
111	42.6	34.1	51.1



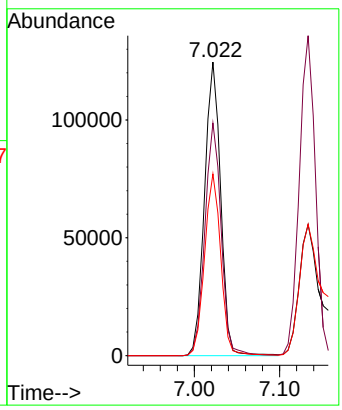


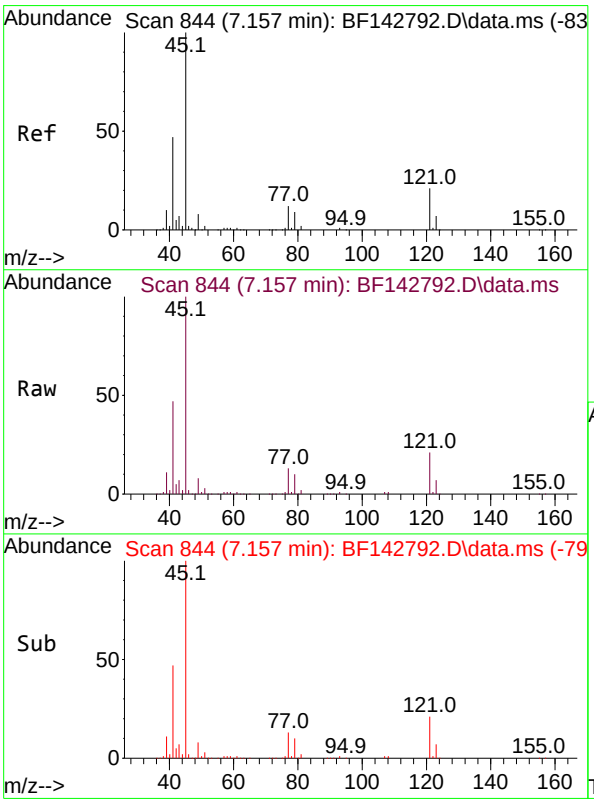
#15
Benzyl Alcohol
Concen: 37.888 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 163491

Ion	Ratio	Lower	Upper
79	100		
108	79.2	63.4	95.0
77	61.9	49.5	74.3

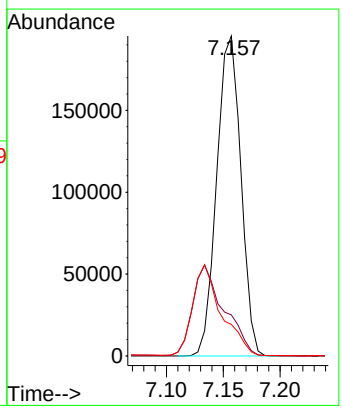


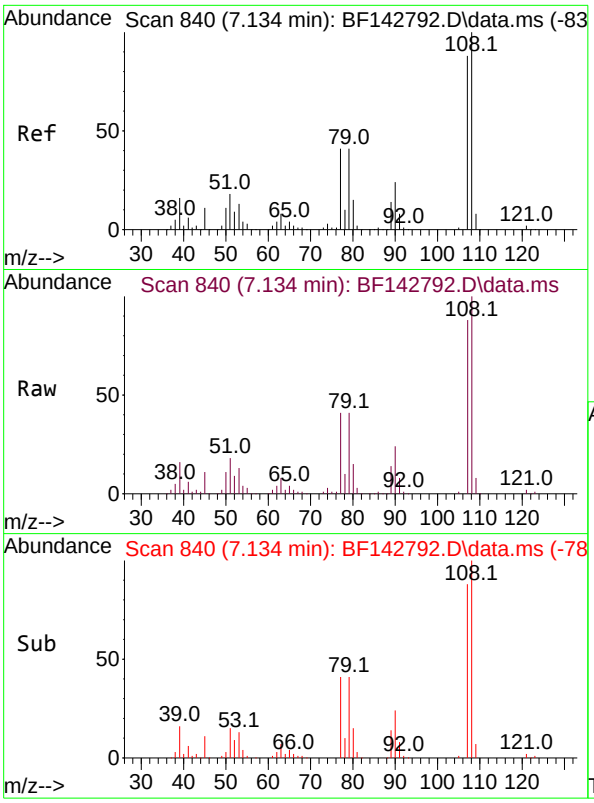


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.400 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion: 45 Resp: 288515

Ion	Ratio	Lower	Upper
45	100		
77	12.8	0.0	32.8
79	9.8	0.0	29.8



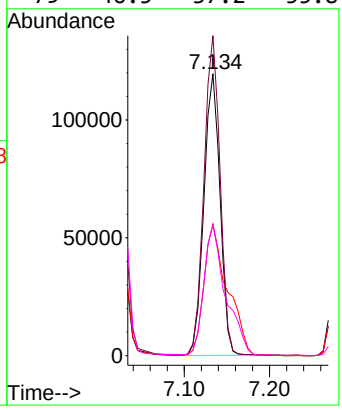


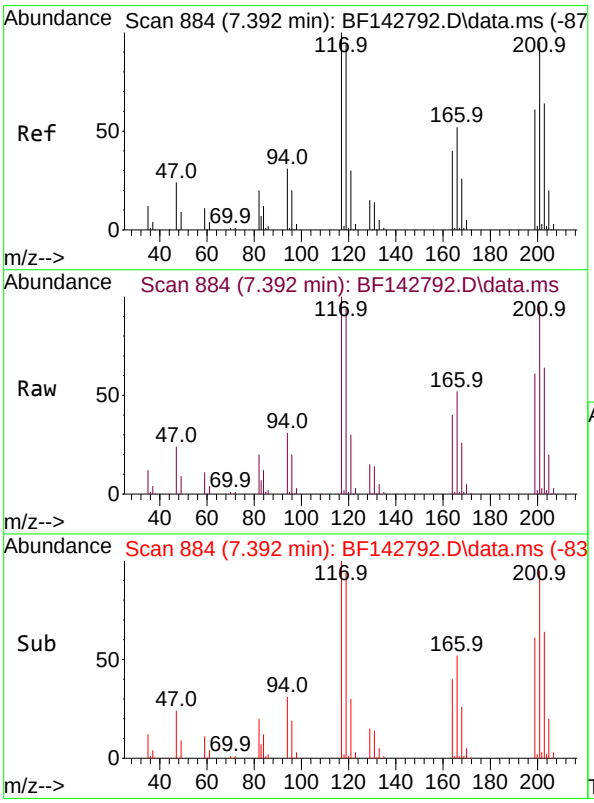
#17
2-Methylphenol
Concen: 38.454 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 157159

Ion	Ratio	Lower	Upper
107	100		
108	113.6	90.9	136.3
77	46.6	37.3	55.9
79	46.5	37.2	55.8

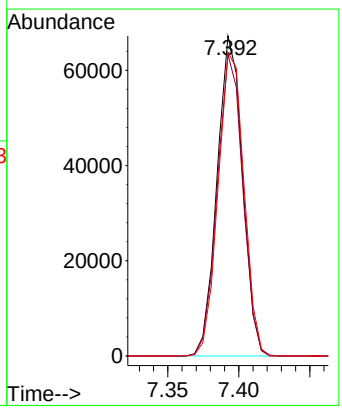


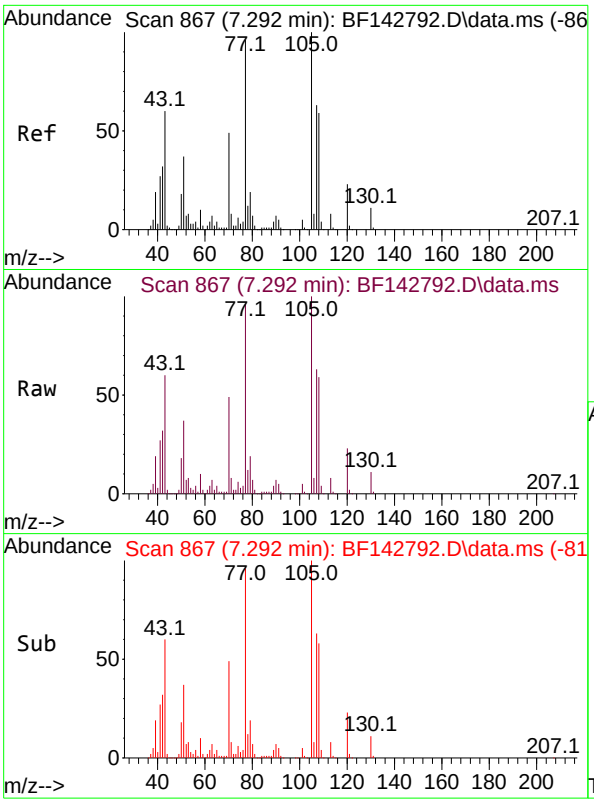


#18
Hexachloroethane
Concen: 37.870 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:117 Resp: 83524

Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.4	113.0
201	94.9	75.9	113.9



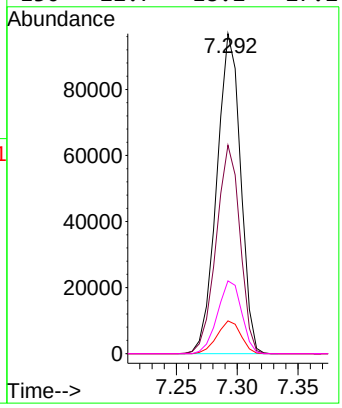


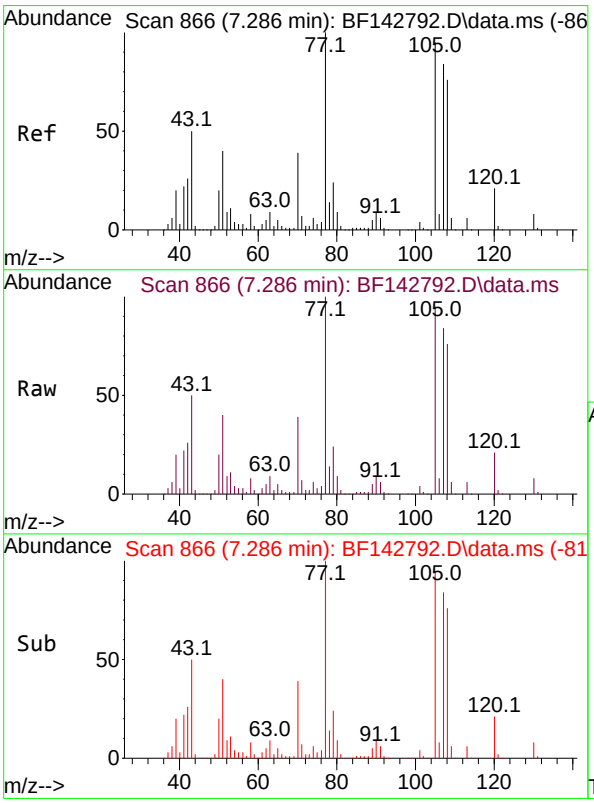
#19
n-Nitroso-di-n-propylamine
Concen: 36.251 ng
RT: 7.292 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 131792

Ion	Ratio	Lower	Upper
70	100		
42	65.1	52.1	78.1
101	10.2	8.2	12.2
130	22.7	18.2	27.2

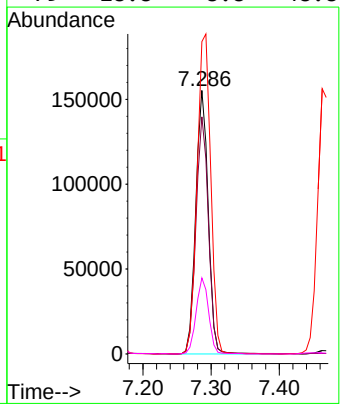


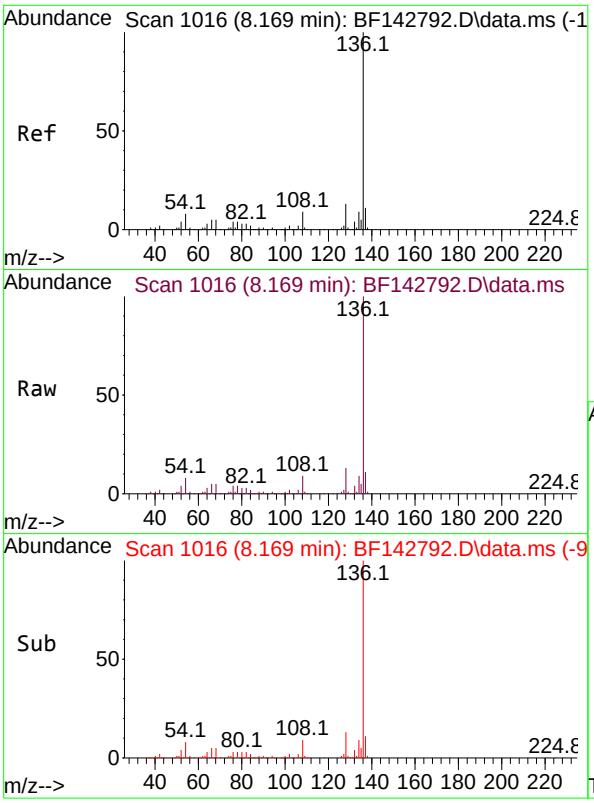


#20
3+4-Methylphenols
Concen: 38.274 ng
RT: 7.286 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:107 Resp: 196876

Ion	Ratio	Lower	Upper
107	100		
108	90.0	70.0	110.0
77	118.5	98.5	138.5
79	28.8	8.8	48.8



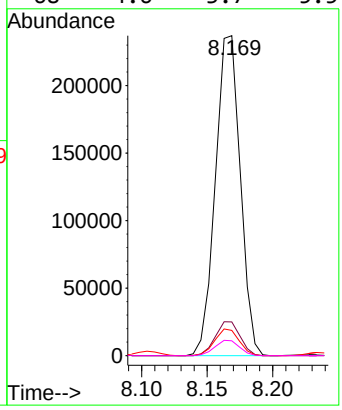


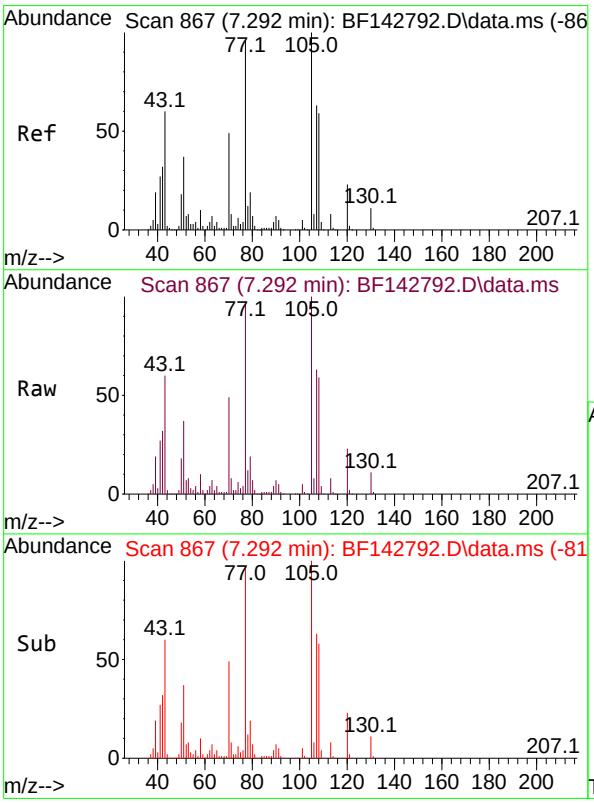
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 313297

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	7.9	6.3	9.5
68	4.6	3.7	5.5

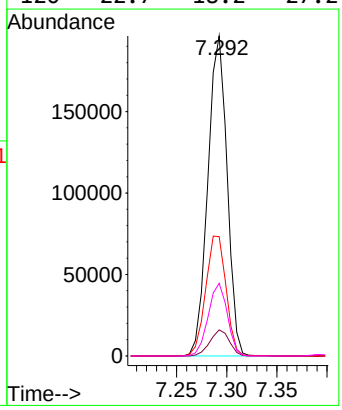


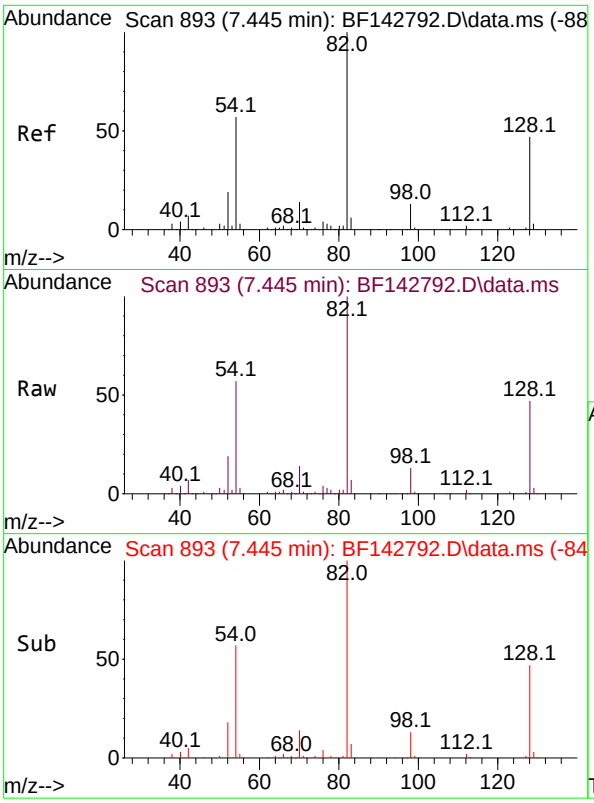


#22
Acetophenone
Concen: 37.828 ng
RT: 7.292 min Scan# 867
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:105 Resp: 262224

Ion	Ratio	Lower	Upper
105	100		
71	8.1	6.5	9.7
51	37.3	29.8	44.8
120	22.7	18.2	27.2



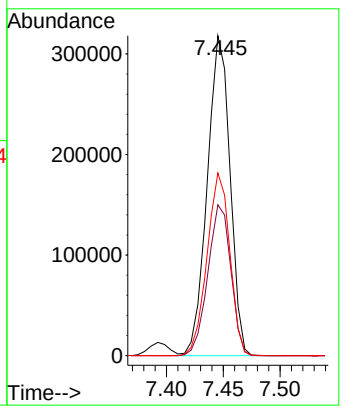


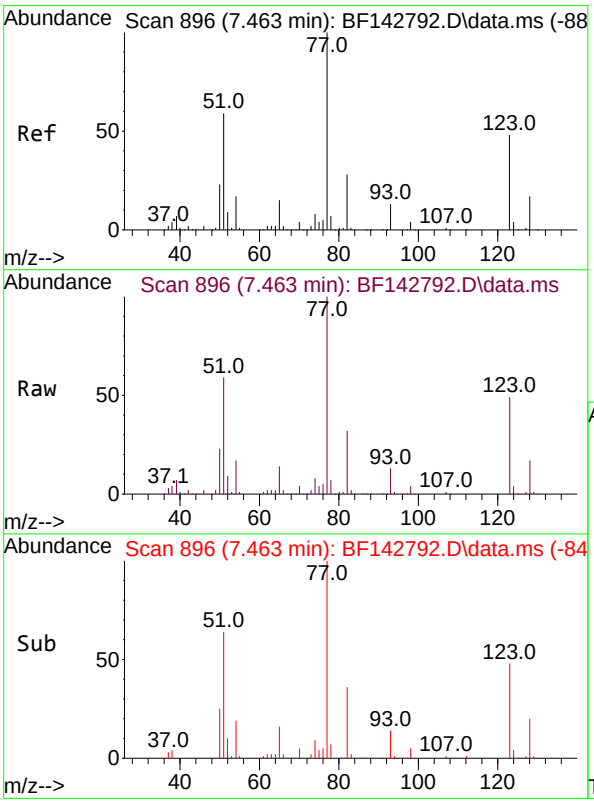
#23
Nitrobenzene-d5
Concen: 77.580 ng
RT: 7.445 min Scan# 89
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 443431

Ion	Ratio	Lower	Upper
82	100		
128	47.1	37.7	56.5
54	57.1	45.7	68.5

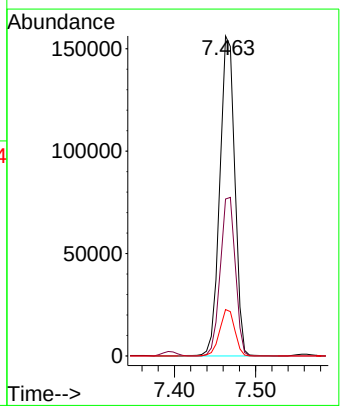


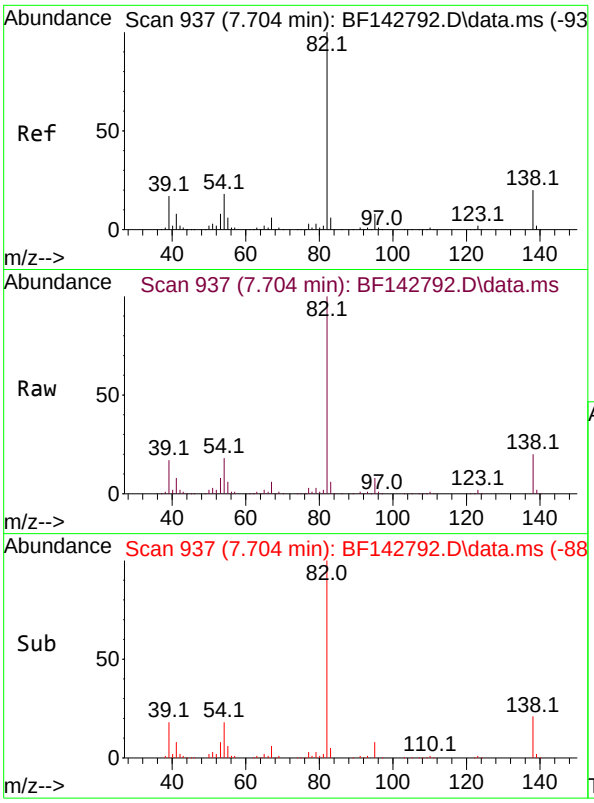


#24
Nitrobenzene
Concen: 39.383 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion: 77 Resp: 200051

Ion	Ratio	Lower	Upper
77	100		
123	49.0	39.2	58.8
65	14.5	11.6	17.4



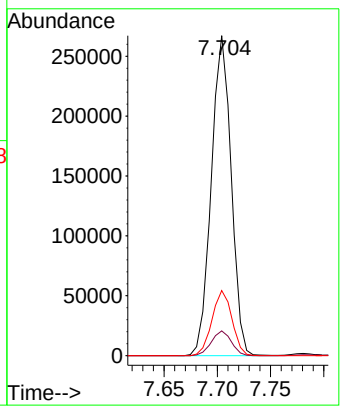


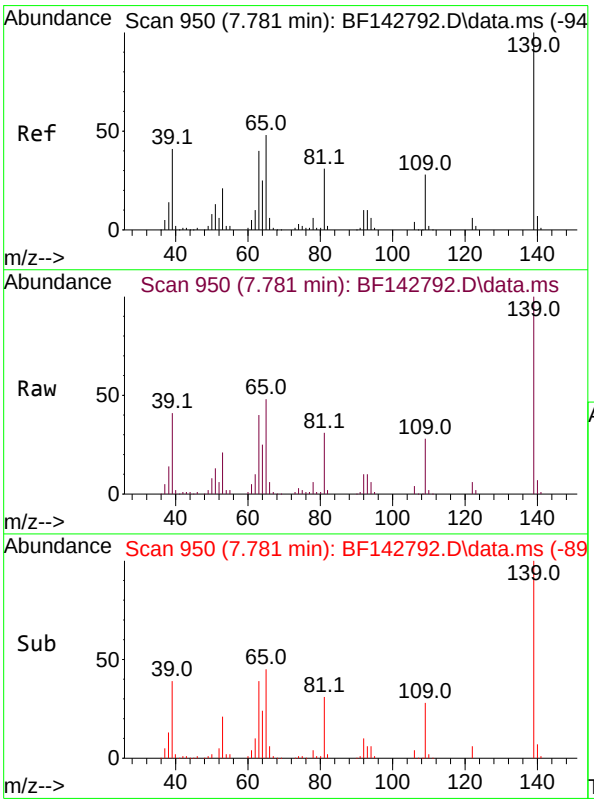
#25
Isophorone
Concen: 36.294 ng
RT: 7.704 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 347894

Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.2	9.2
138	20.3	16.2	24.4

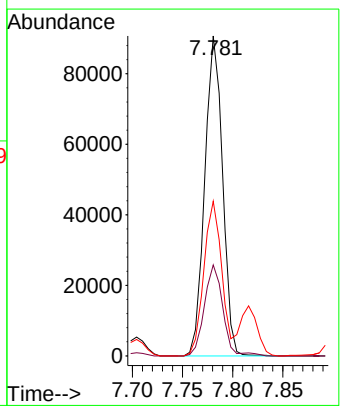


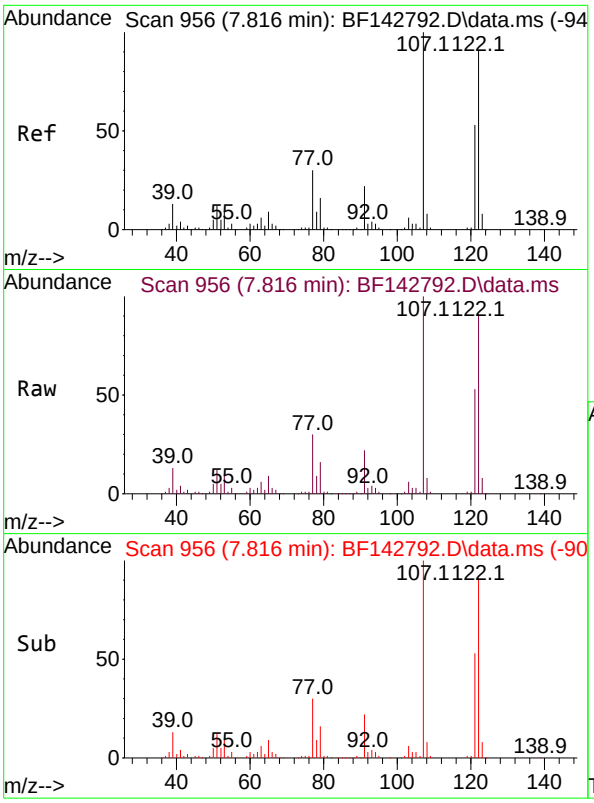


#26
2-Nitrophenol
Concen: 39.497 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:139 Resp: 111792

Ion	Ratio	Lower	Upper
139	100		
109	28.4	22.7	34.1
65	48.3	38.6	58.0



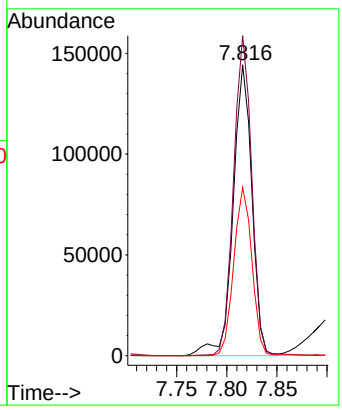


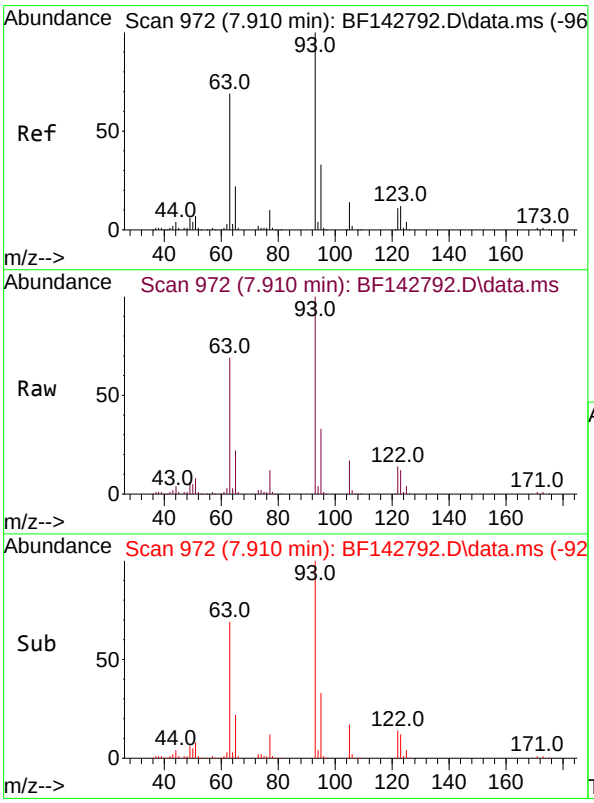
#27
2,4-Dimethylphenol
Concen: 38.974 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 187808

Ion	Ratio	Lower	Upper
122	100		
107	110.0	88.0	132.0
121	57.9	46.3	69.5

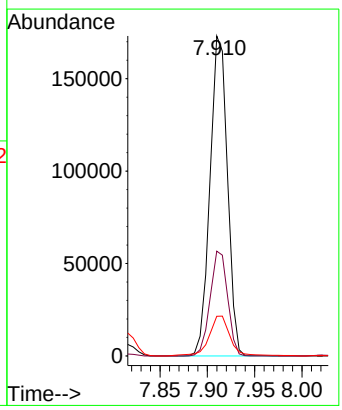


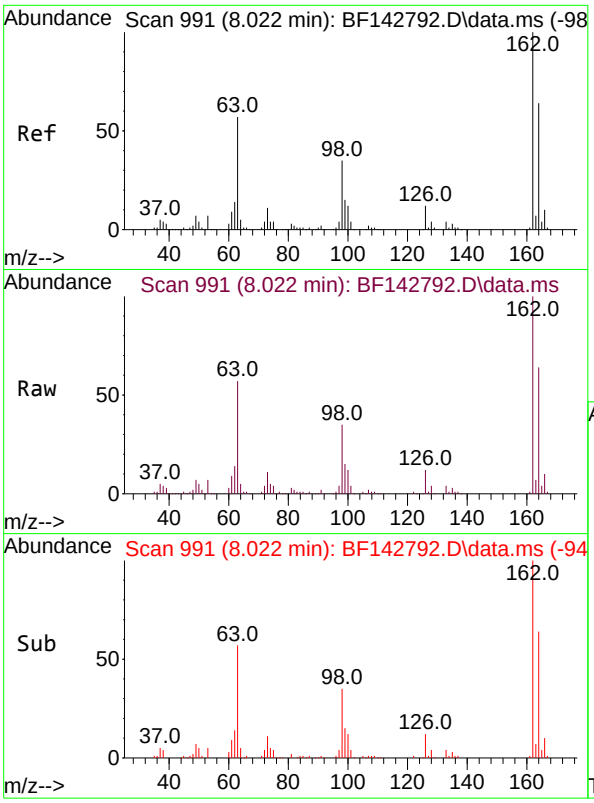


#28
bis(2-Chloroethoxy)methane
Concen: 37.249 ng
RT: 7.910 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion: 93 Resp: 222264

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.2	39.2
123	12.4	9.9	14.9



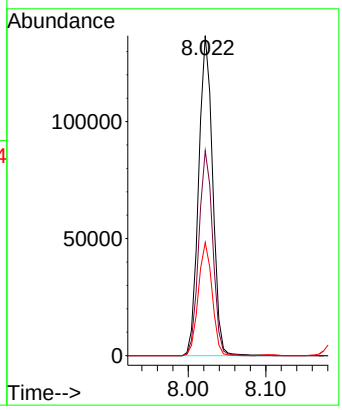


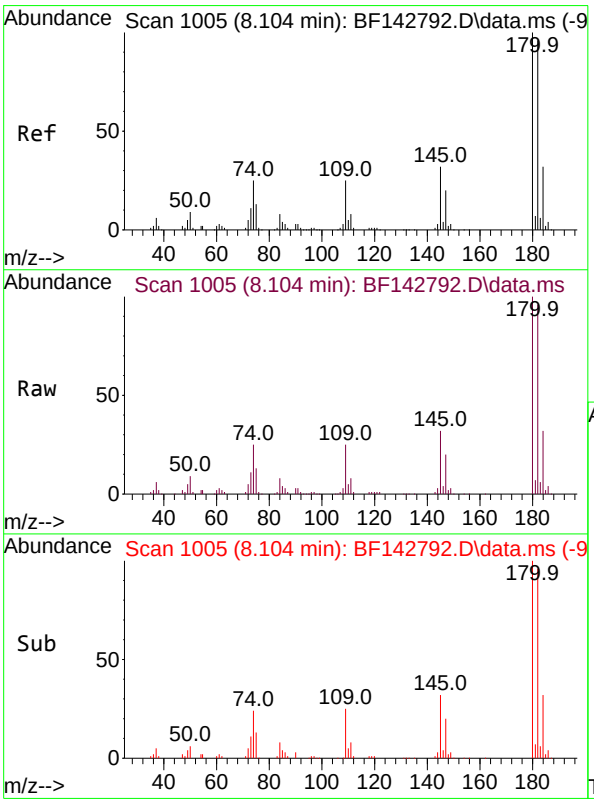
#29
2,4-Dichlorophenol
Concen: 38.576 ng
RT: 8.022 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 171329

Ion	Ratio	Lower	Upper
162	100		
164	64.0	44.0	84.0
98	35.4	15.4	55.4

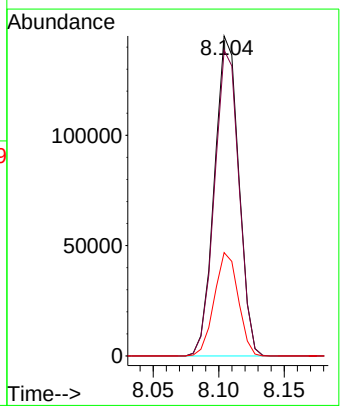


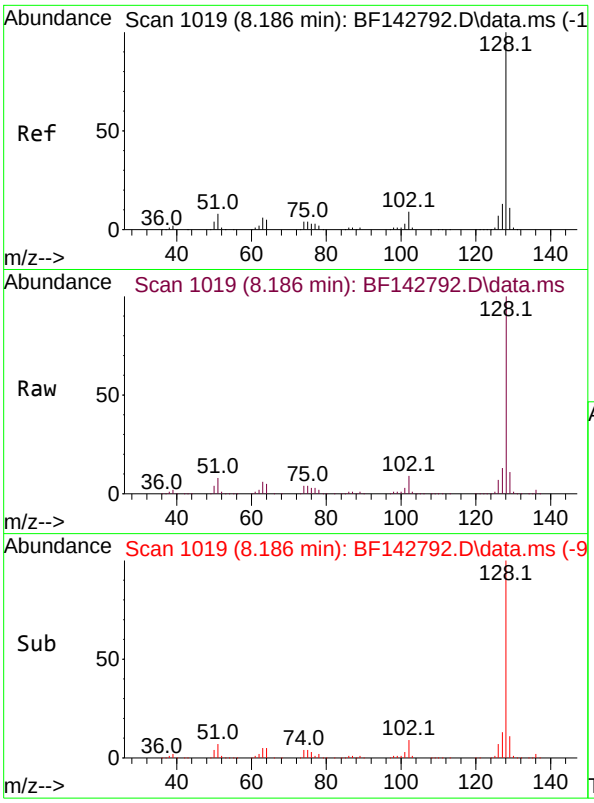


#30
1,2,4-Trichlorobenzene
Concen: 38.155 ng
RT: 8.104 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:180 Resp: 187194

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.4	114.6
145	32.3	25.8	38.8



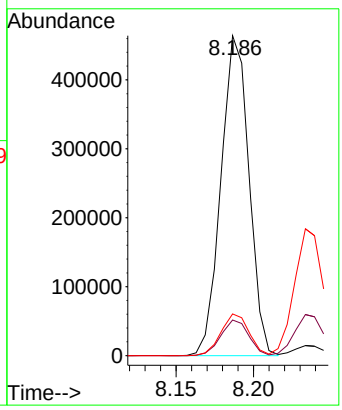


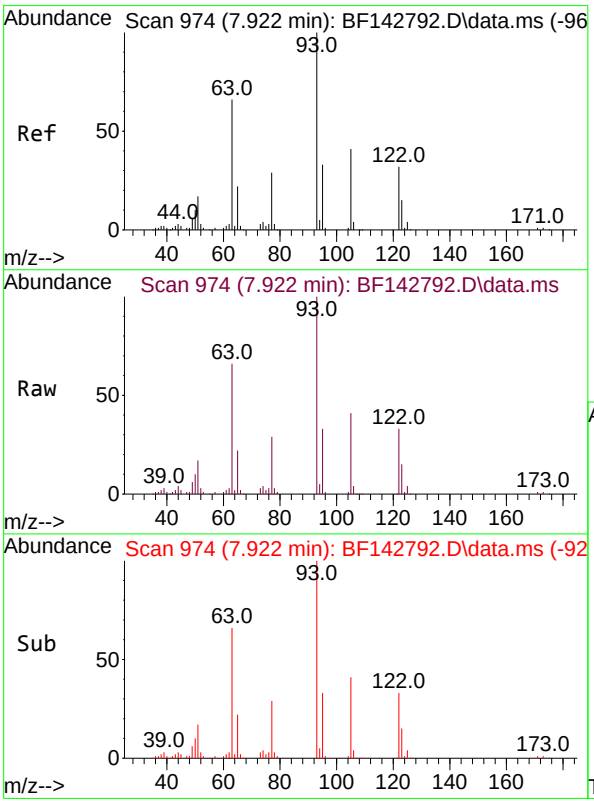
#31
Naphthalene
Concen: 37.966 ng
RT: 8.186 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 584986

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.0	10.4	15.6

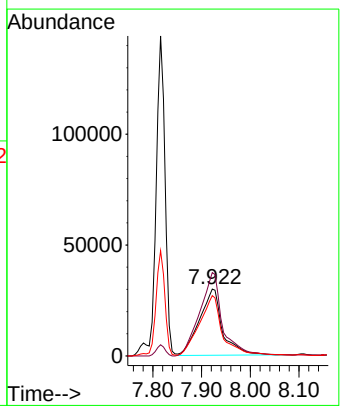


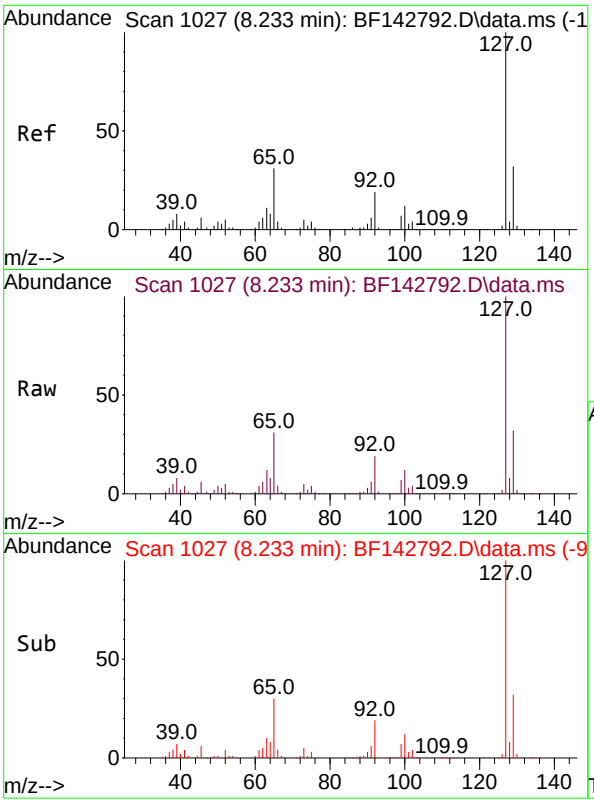


#32
Benzoic acid
Concen: 36.734 ng
RT: 7.922 min Scan# 974
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:122 Resp: 98210

Ion	Ratio	Lower	Upper
122	100		
105	124.7	104.7	144.7
77	90.2	70.2	110.2



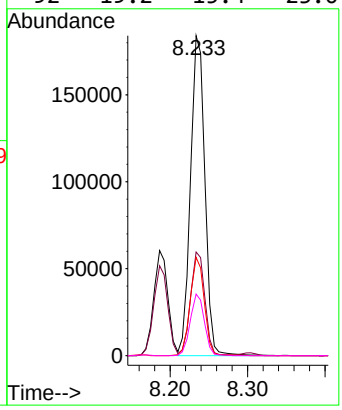


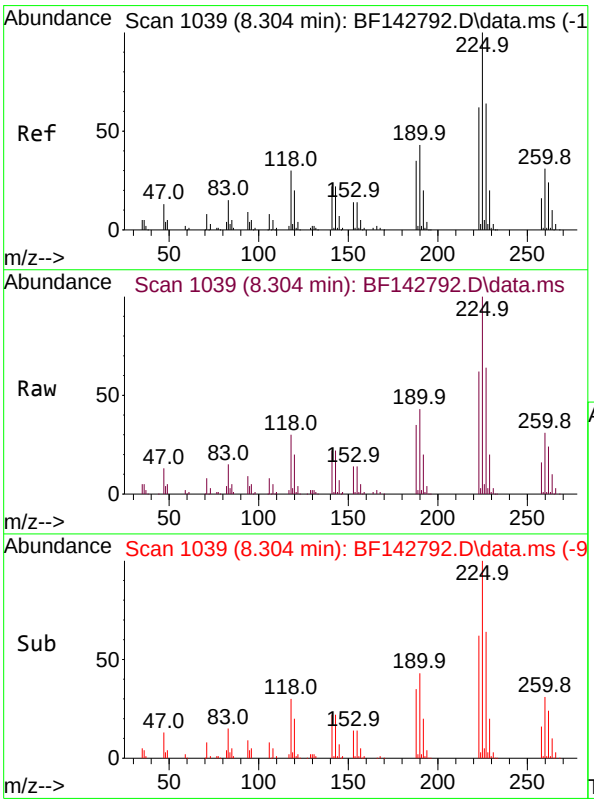
#33
4-Chloroaniline
Concen: 38.432 ng
RT: 8.233 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 237317

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.9	38.9
65	30.7	24.6	36.8
92	19.2	15.4	23.0

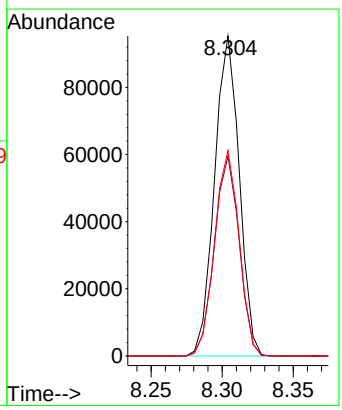


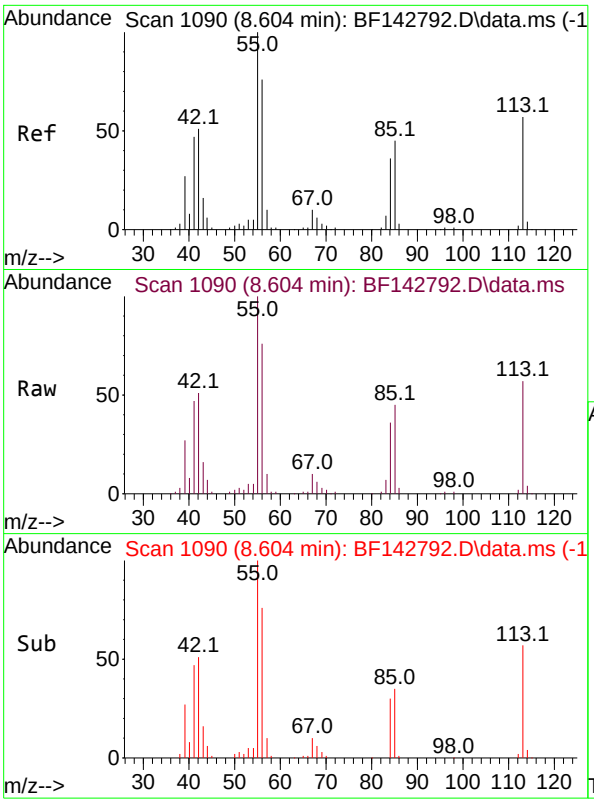


#34
Hexachlorobutadiene
Concen: 37.099 ng
RT: 8.304 min Scan# 1039
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:225 Resp: 115333

Ion	Ratio	Lower	Upper
225	100		
223	62.4	49.9	74.9
227	64.2	51.4	77.0



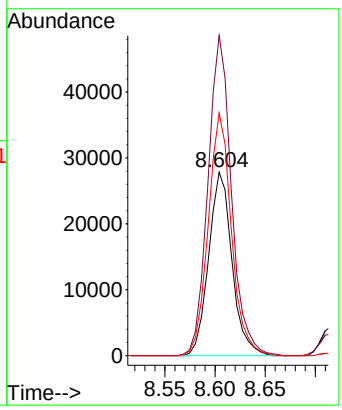


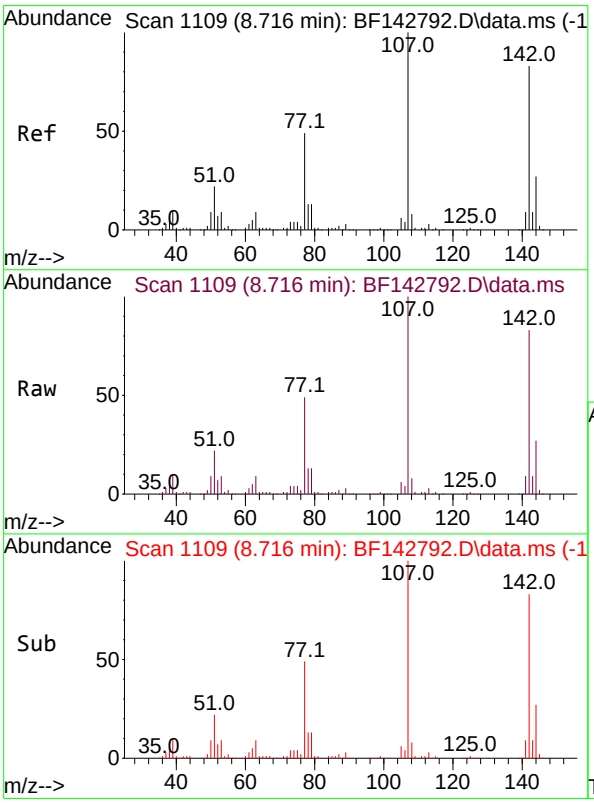
#35
Caprolactam
Concen: 37.583 ng
RT: 8.604 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 44914

Ion	Ratio	Lower	Upper
113	100		
55	174.4	154.4	194.4
56	132.1	112.1	152.1

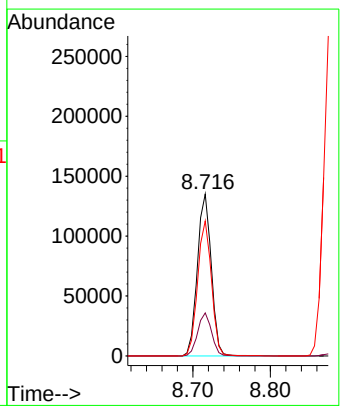


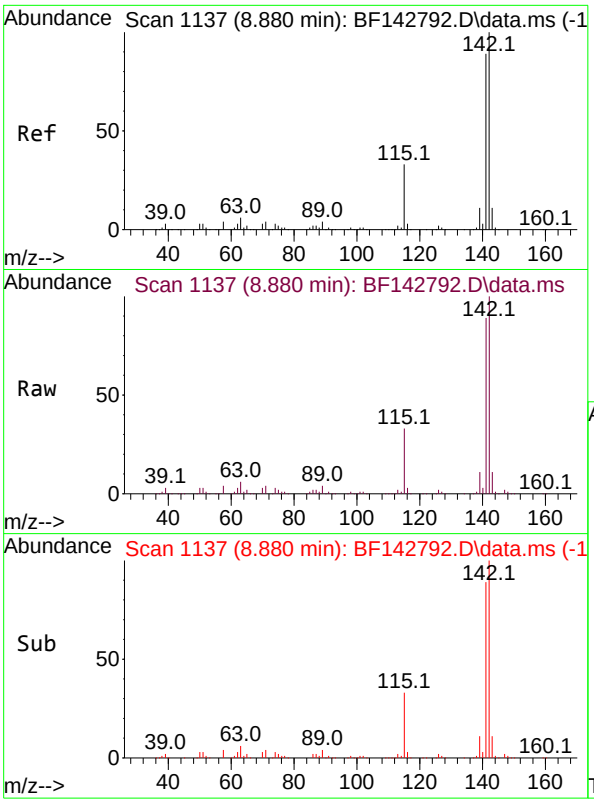


#36
4-Chloro-3-methylphenol
Concen: 36.695 ng
RT: 8.716 min Scan# 1109
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:107 Resp: 168353

Ion	Ratio	Lower	Upper
107	100		
144	26.6	21.3	31.9
142	83.3	66.6	100.0



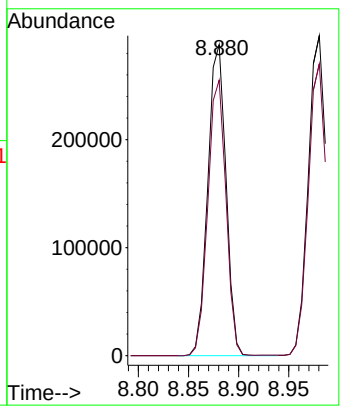


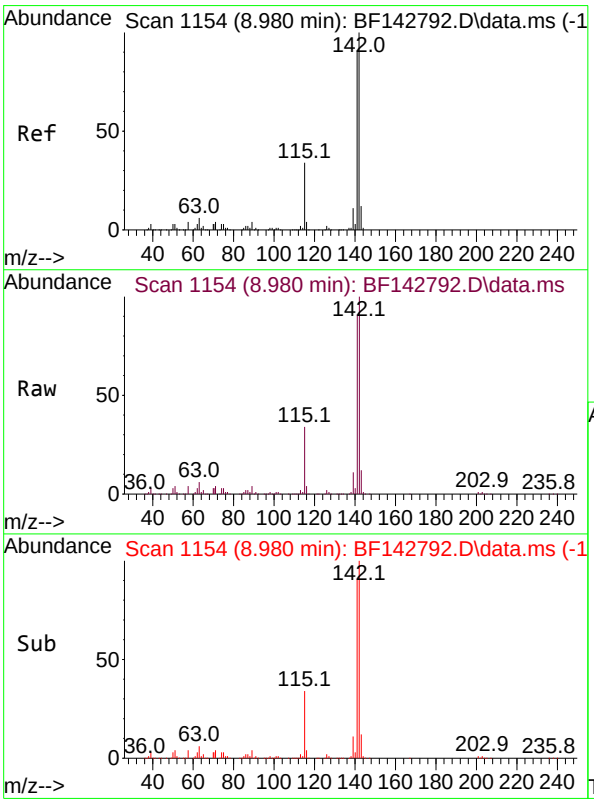
#37
2-Methylnaphthalene
Concen: 37.313 ng
RT: 8.880 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 362692

Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.9	106.3

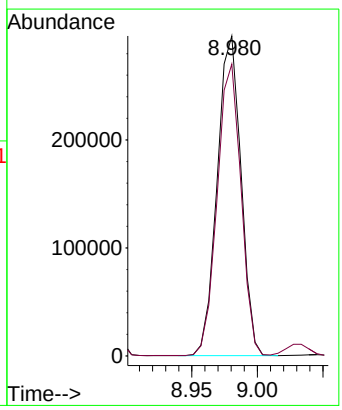


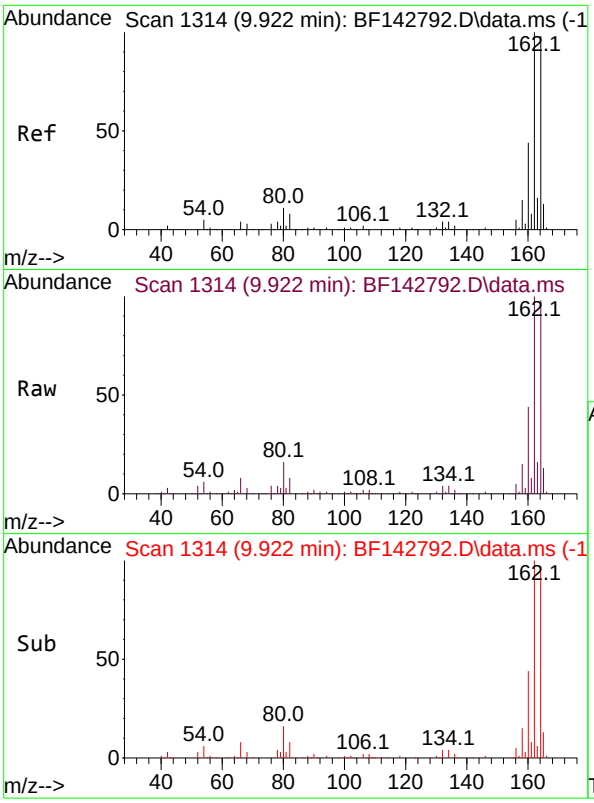


#38
1-Methylnaphthalene
Concen: 37.143 ng
RT: 8.980 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:142 Resp: 374836

Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.0	109.4



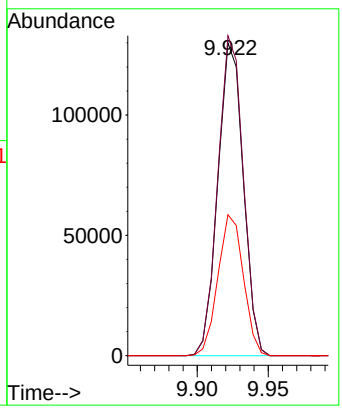


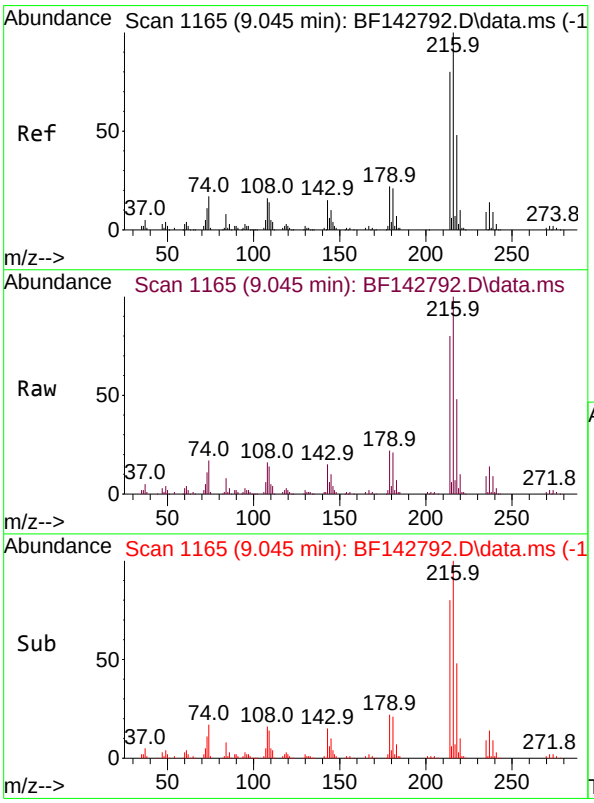
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 161991

Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.8	122.8
160	45.0	36.0	54.0

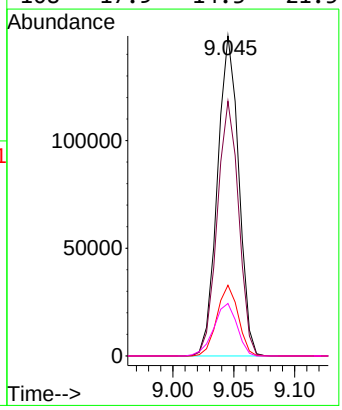


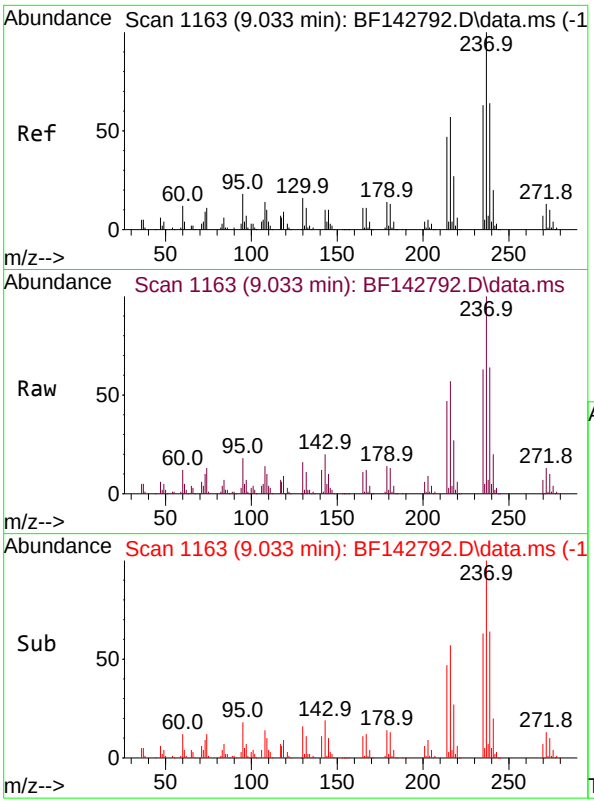


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.596 ng
RT: 9.045 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:216 Resp: 180481

Ion	Ratio	Lower	Upper
216	100		
214	79.6	63.7	95.5
179	22.0	17.6	26.4
108	17.9	14.3	21.5



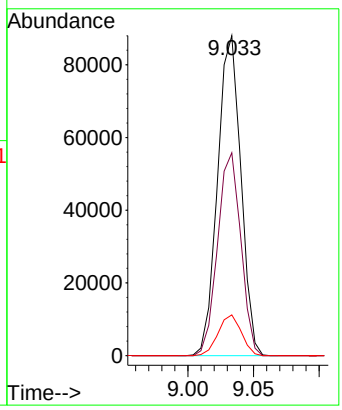


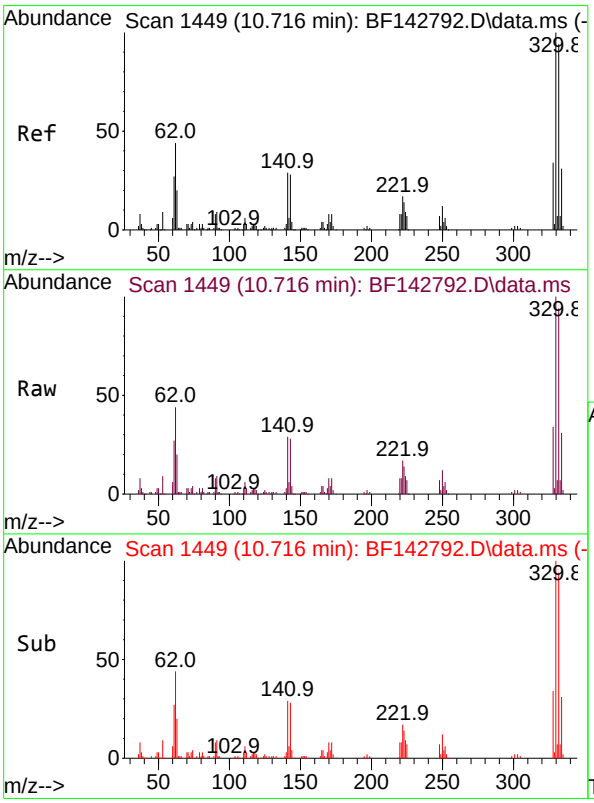
#41
Hexachlorocyclopentadiene
Concen: 36.863 ng
RT: 9.033 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 108999

Ion	Ratio	Lower	Upper
237	100		
235	63.4	43.4	83.4
272	12.7	0.0	32.7

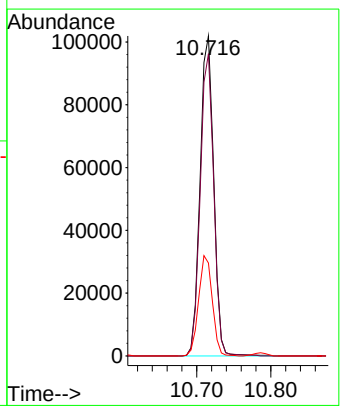


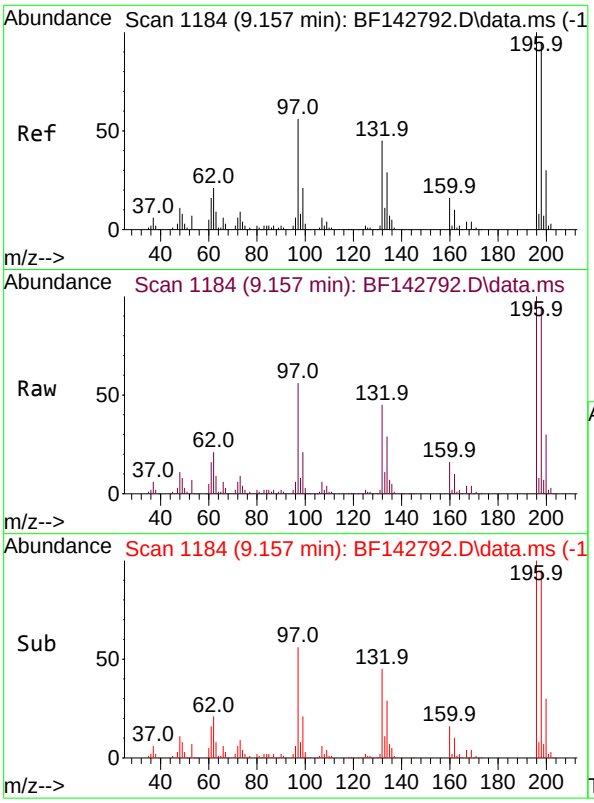


#42
2,4,6-Tribromophenol
Concen: 73.654 ng
RT: 10.716 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:330 Resp: 129669

Ion	Ratio	Lower	Upper
330	100		
332	93.8	75.0	112.6
141	31.6	25.3	37.9



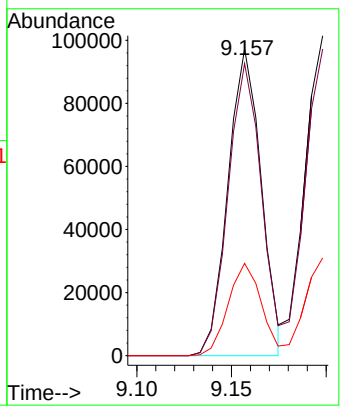


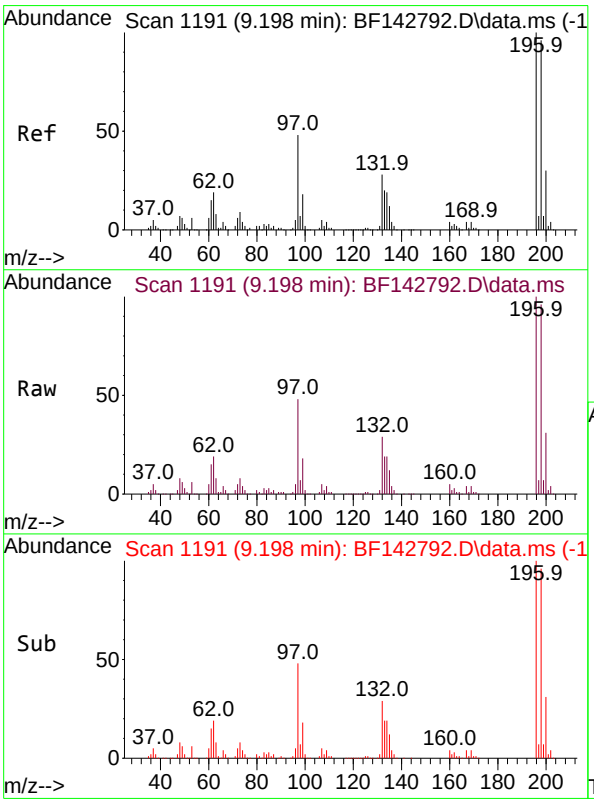
#43
2,4,6-Trichlorophenol
Concen: 39.129 ng
RT: 9.157 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 118412

Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.2	114.2
200	30.1	24.1	36.1

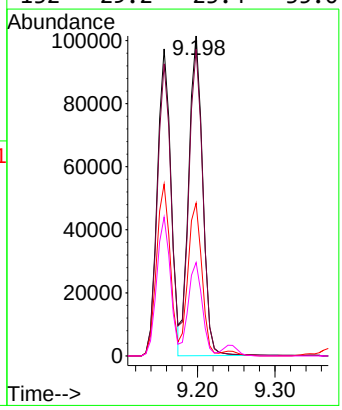


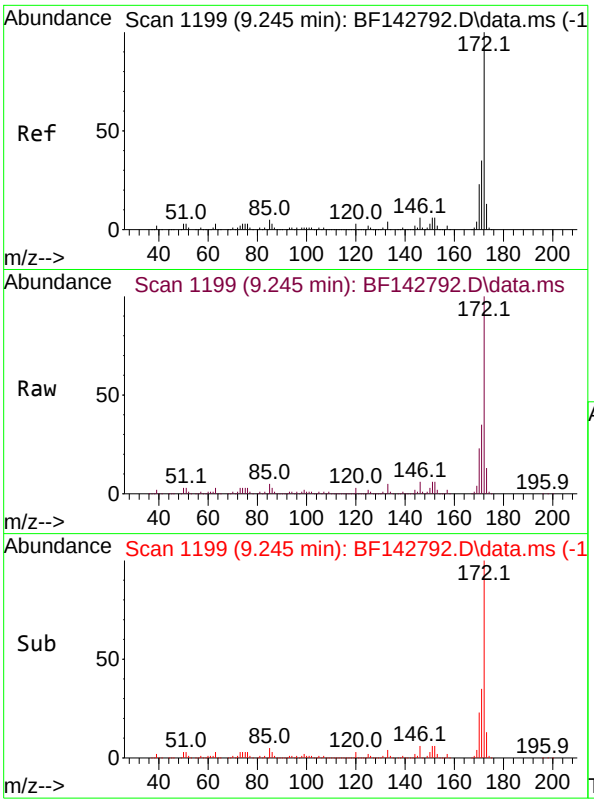


#44
2,4,5-Trichlorophenol
Concen: 38.774 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:196 Resp: 126712

Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.6	115.0
97	47.7	38.2	57.2
132	29.2	23.4	35.0



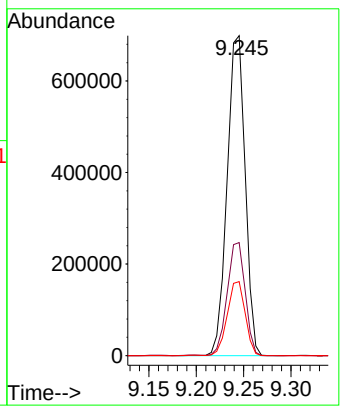


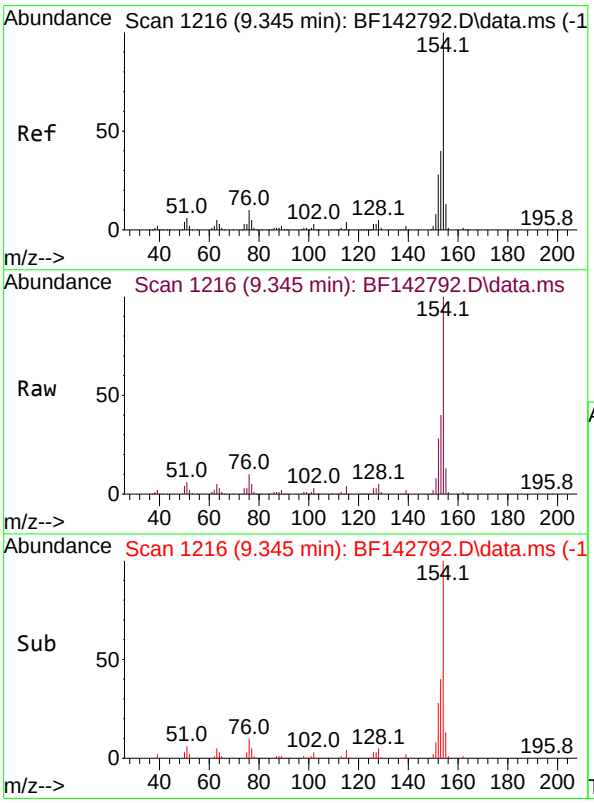
#45
2-Fluorobiphenyl
Concen: 76.120 ng
RT: 9.245 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 926905

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.4
170	23.1	18.5	27.7

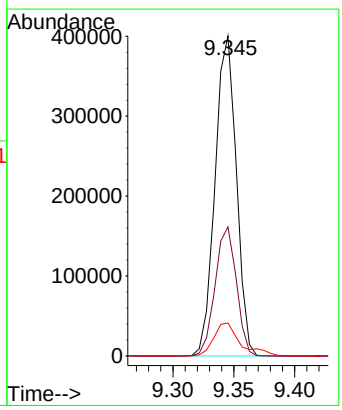


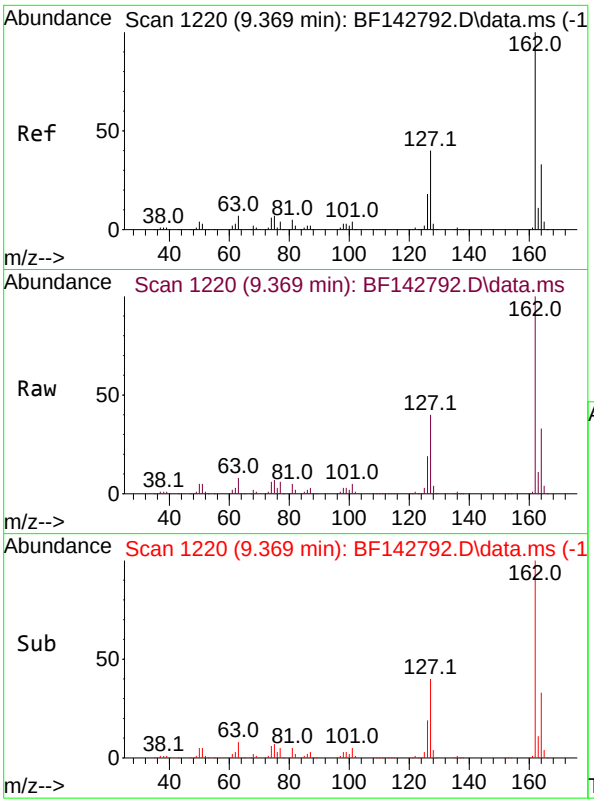


#46
1,1'-Biphenyl
Concen: 38.765 ng
RT: 9.345 min Scan# 1216
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:154 Resp: 487587

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.3	60.3
76	10.3	0.0	30.3



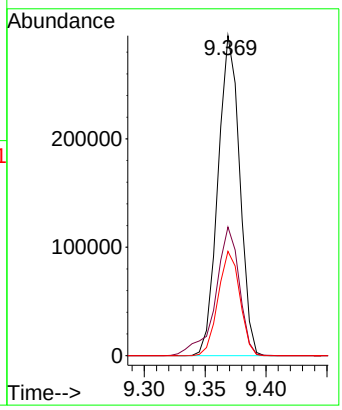


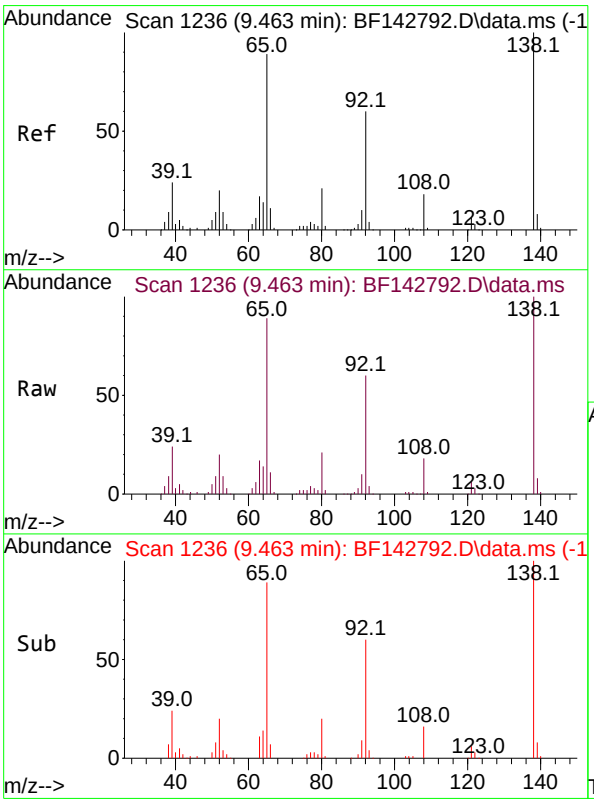
#47
2-Chloronaphthalene
Concen: 39.408 ng
RT: 9.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 365760

Ion	Ratio	Lower	Upper
162	100		
127	40.2	32.2	48.2
164	32.6	26.1	39.1

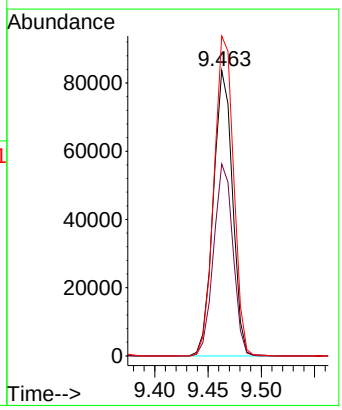


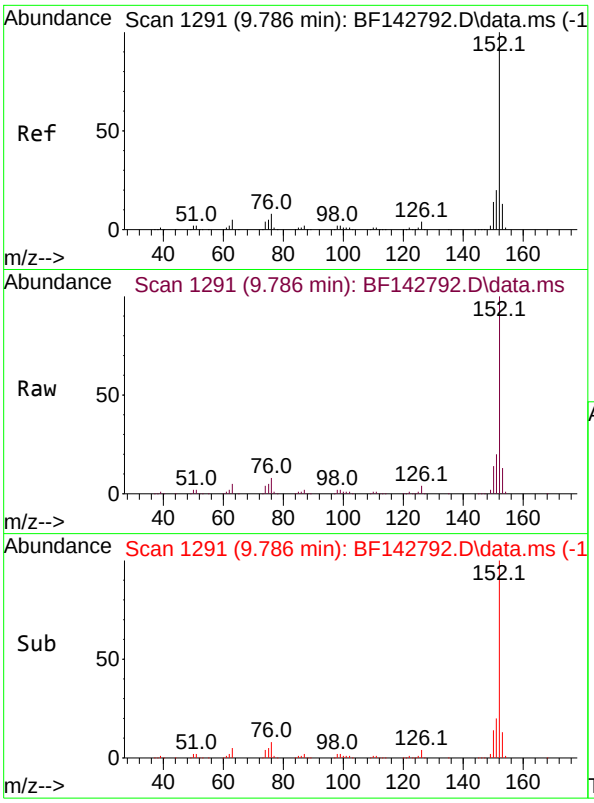


#48
2-Nitroaniline
Concen: 39.858 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion: 65 Resp: 105098

Ion	Ratio	Lower	Upper
65	100		
92	67.2	53.8	80.6
138	112.0	89.6	134.4



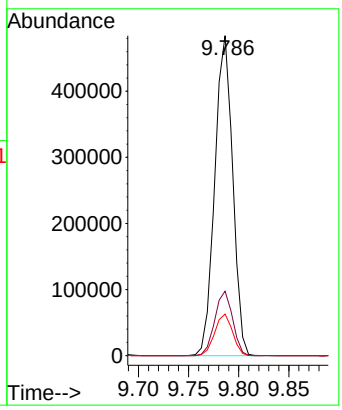


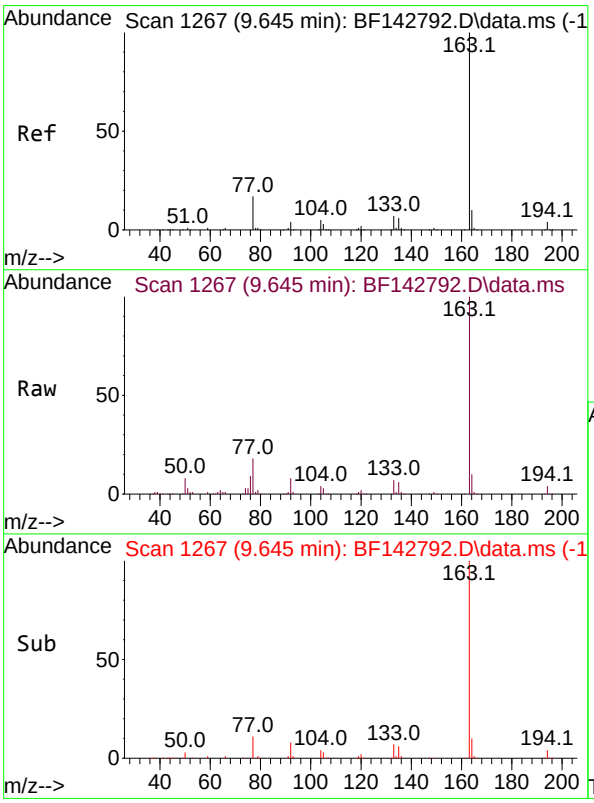
#49
Acenaphthylene
Concen: 38.649 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 603057

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.1	24.1
153	13.0	10.4	15.6

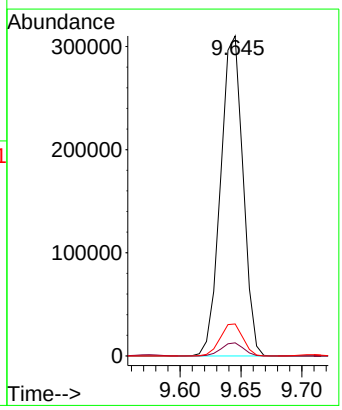


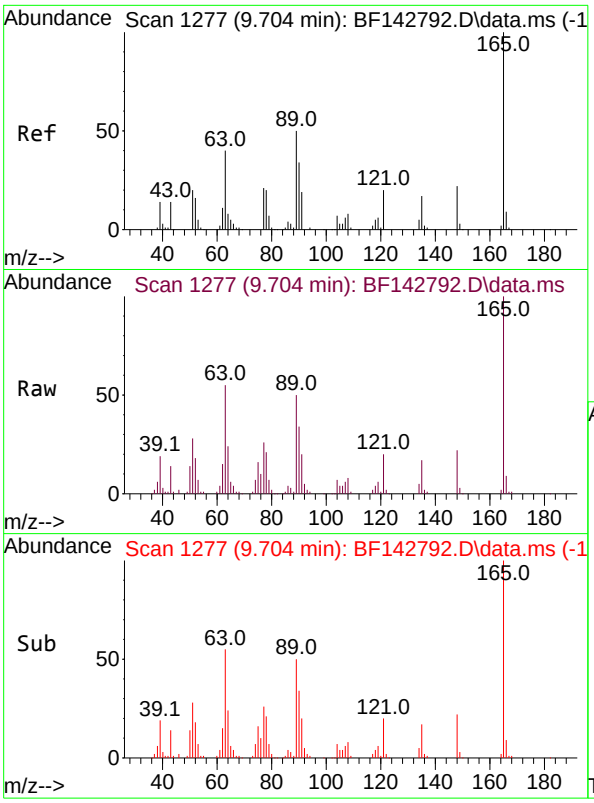


#50
Dimethylphthalate
Concen: 37.038 ng
RT: 9.645 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:163 Resp: 397980

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.0	8.0	12.0



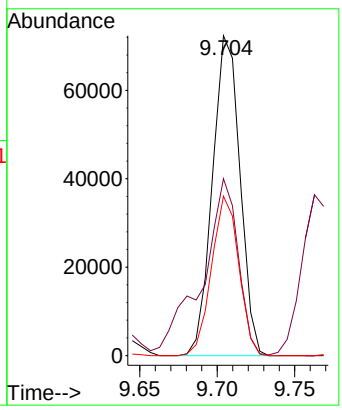


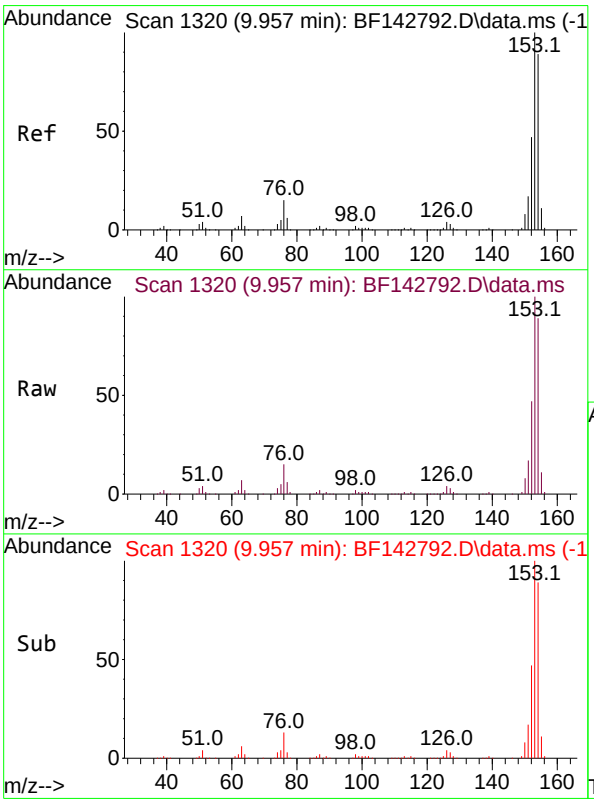
#51
2,6-Dinitrotoluene
Concen: 38.557 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 89811

Ion	Ratio	Lower	Upper
165	100		
63	55.3	44.2	66.4
89	49.8	39.8	59.8

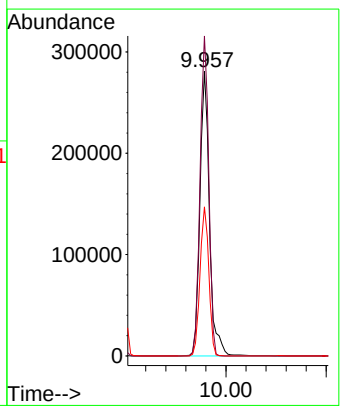


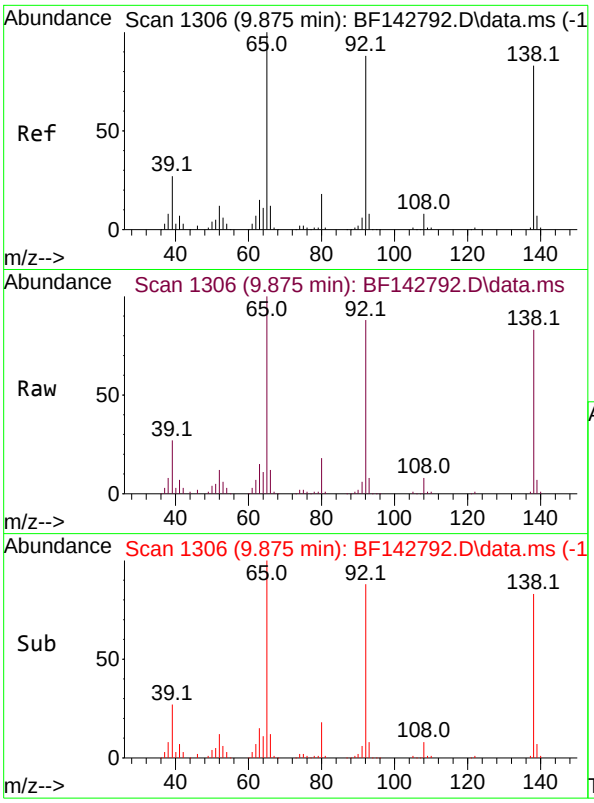


#52
Acenaphthene
Concen: 38.310 ng
RT: 9.957 min Scan# 1320
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:154 Resp: 369889

Ion	Ratio	Lower	Upper
154	100		
153	112.5	90.0	135.0
152	52.4	41.9	62.9



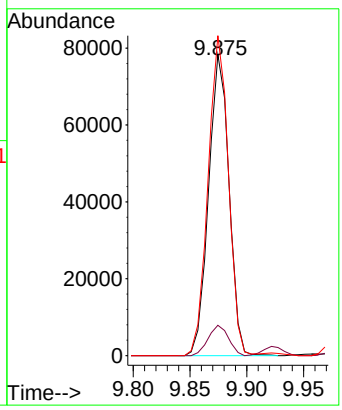


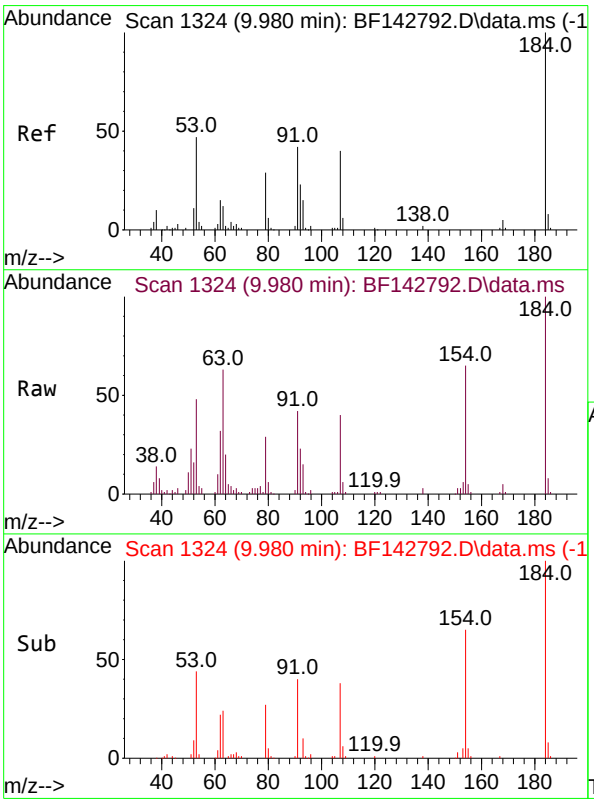
#53
3-Nitroaniline
Concen: 38.714 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 97950

Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.1	12.1
92	106.4	85.1	127.7

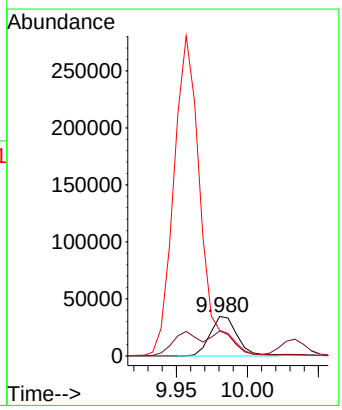


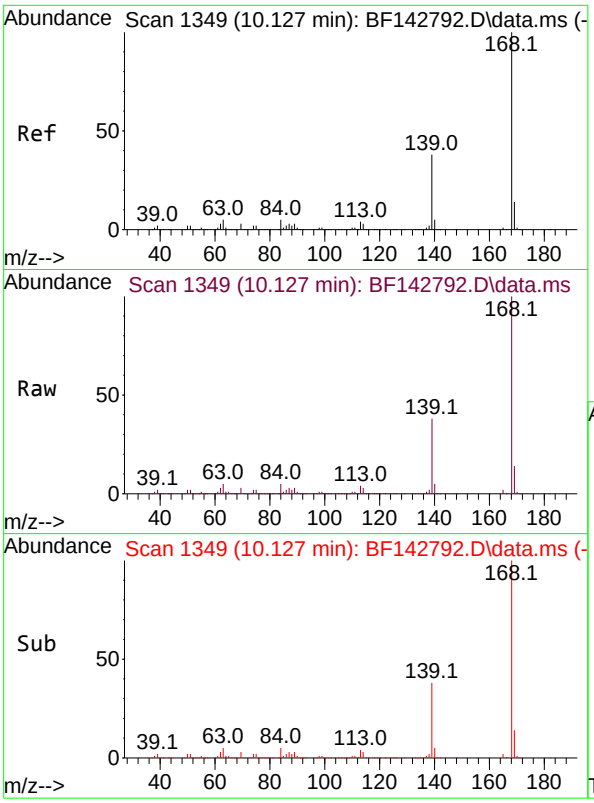


#54
2,4-Dinitrophenol
Concen: 36.494 ng
RT: 9.980 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:184 Resp: 46000

Ion	Ratio	Lower	Upper
184	100		
63	63.2	50.6	75.8
154	64.8	51.8	77.8



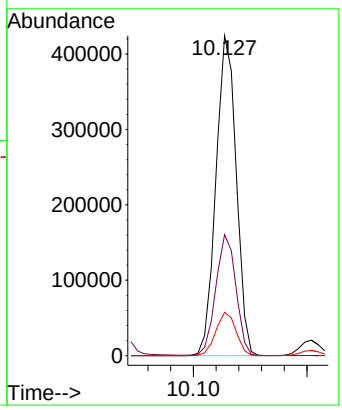


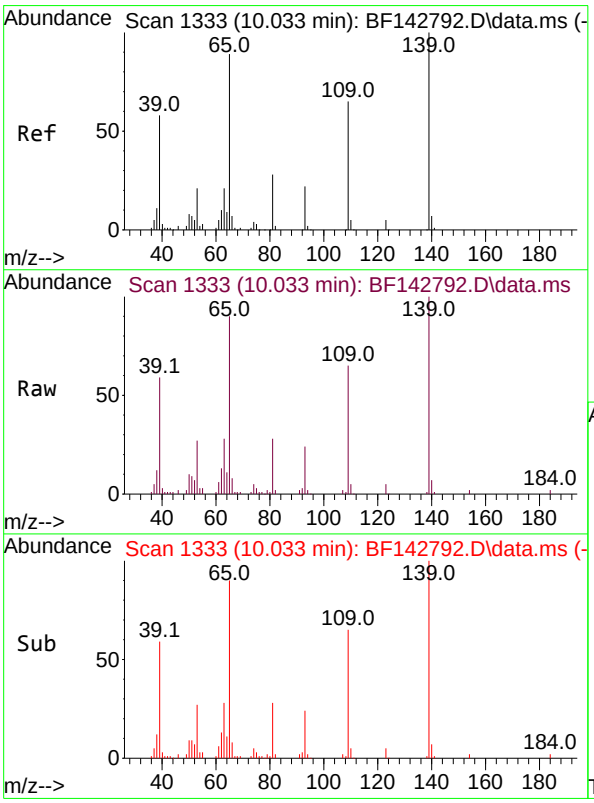
#55
Dibenzofuran
Concen: 38.235 ng
RT: 10.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 526718

Ion	Ratio	Lower	Upper
168	100		
139	37.8	30.2	45.4
169	13.5	10.8	16.2

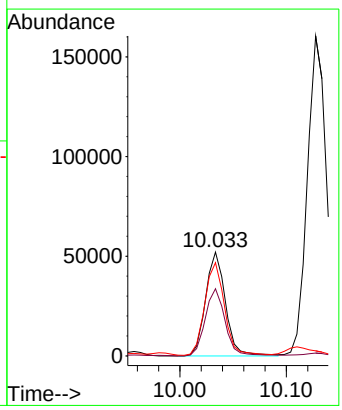


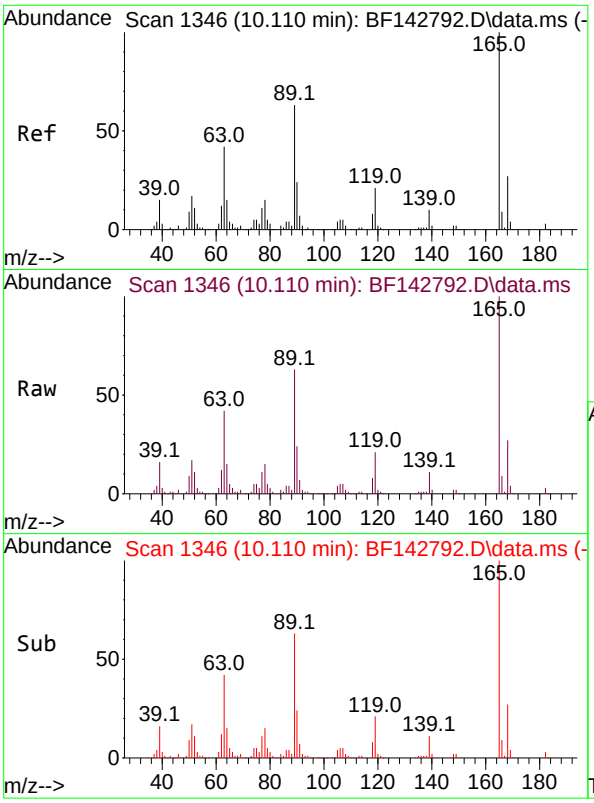


#56
4-Nitrophenol
Concen: 39.230 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:139 Resp: 67375

Ion	Ratio	Lower	Upper
139	100		
109	64.7	44.7	84.7
65	89.8	69.8	109.8



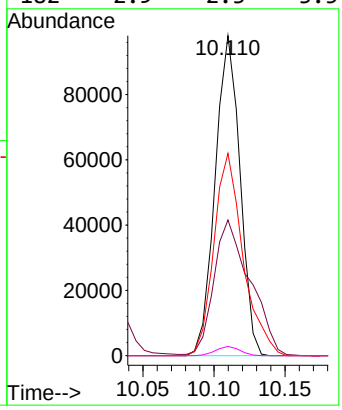


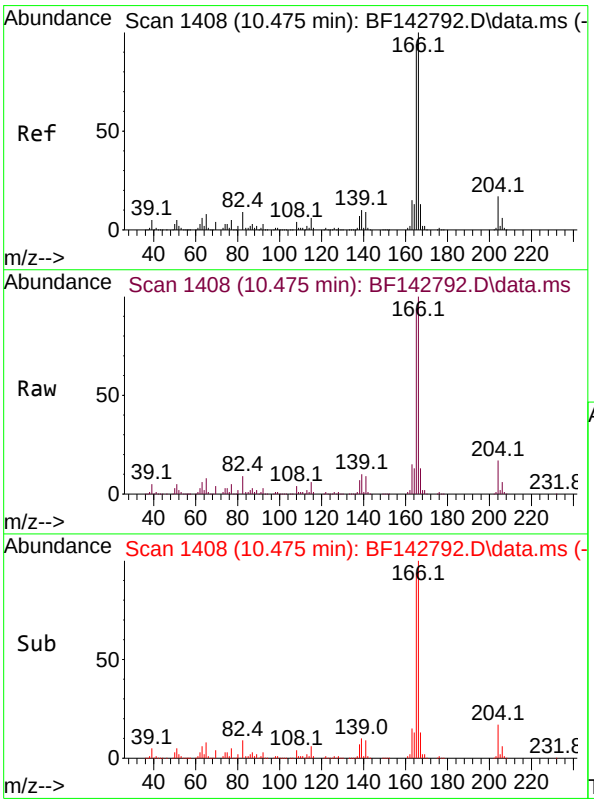
#57
2,4-Dinitrotoluene
Concen: 38.644 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 119021

Ion	Ratio	Lower	Upper
165	100		
63	42.4	33.9	50.9
89	63.2	50.6	75.8
182	2.9	2.3	3.5

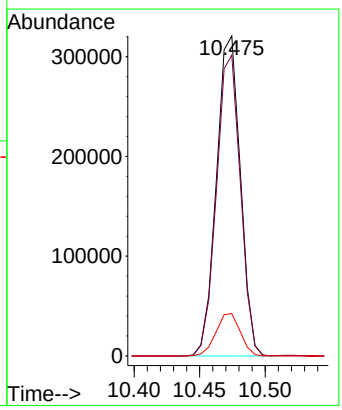


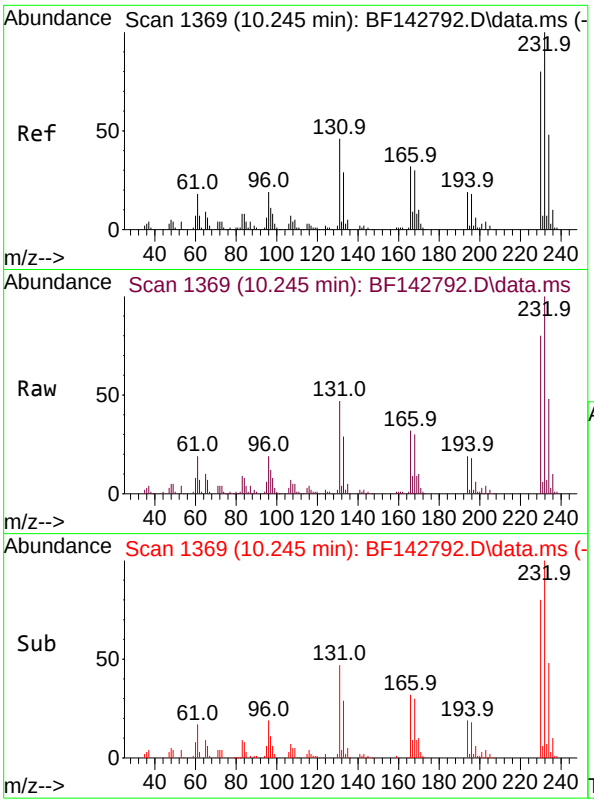


#58
Fluorene
Concen: 37.535 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:166 Resp: 408102

Ion	Ratio	Lower	Upper
166	100		
165	94.0	75.2	112.8
167	13.2	10.6	15.8



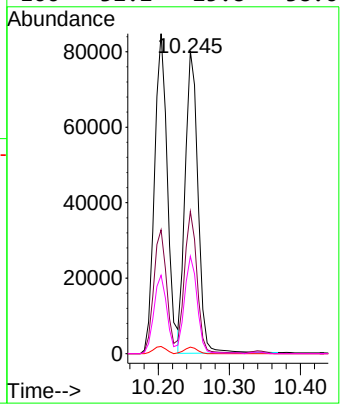


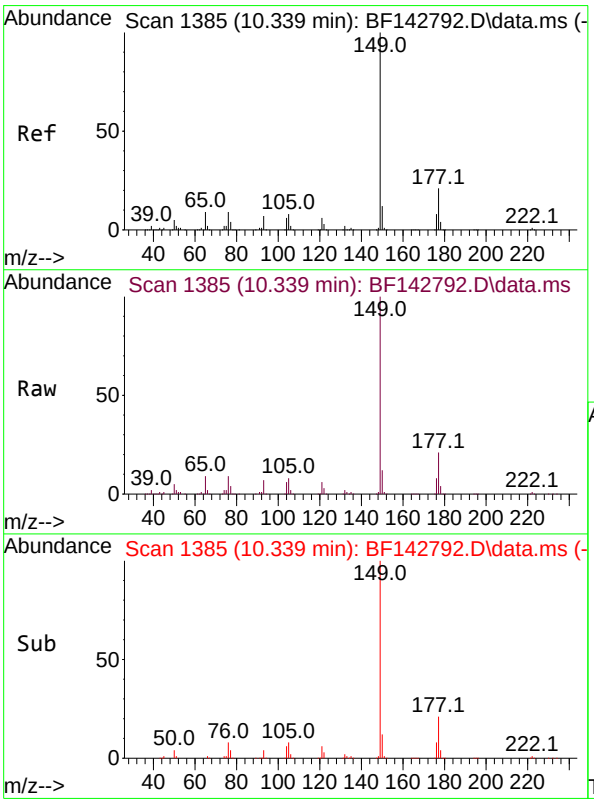
#59
2,3,4,6-Tetrachlorophenol
Concen: 36.847 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 100957

Ion	Ratio	Lower	Upper
232	100		
131	47.0	37.6	56.4
130	2.1	1.7	2.5
166	32.2	25.8	38.6

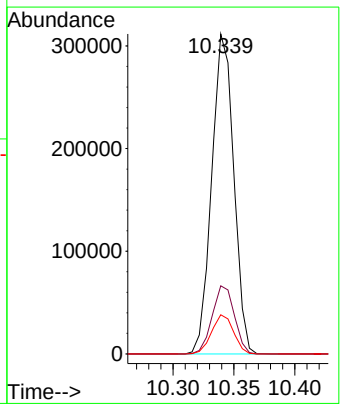


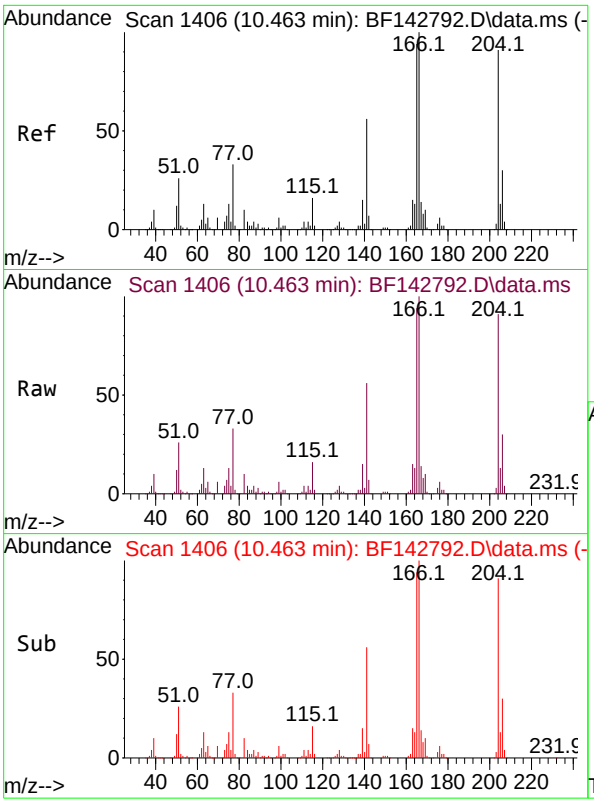


#60
Diethylphthalate
Concen: 36.752 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:149 Resp: 392278

Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.0	25.6
150	12.2	9.8	14.6



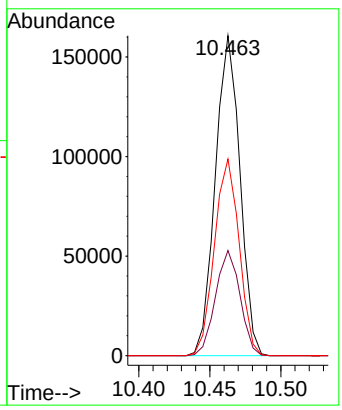


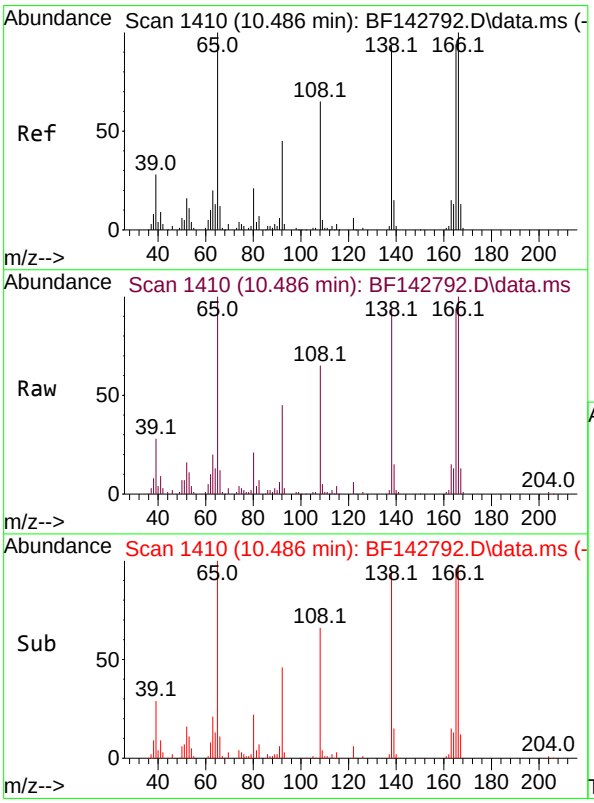
#61
4-Chlorophenyl-phenylether
Concen: 36.726 ng
RT: 10.463 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 193928

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.3	39.5
141	61.4	49.1	73.7

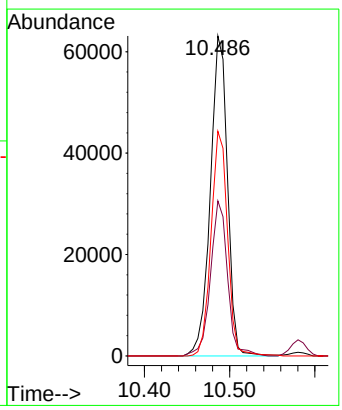


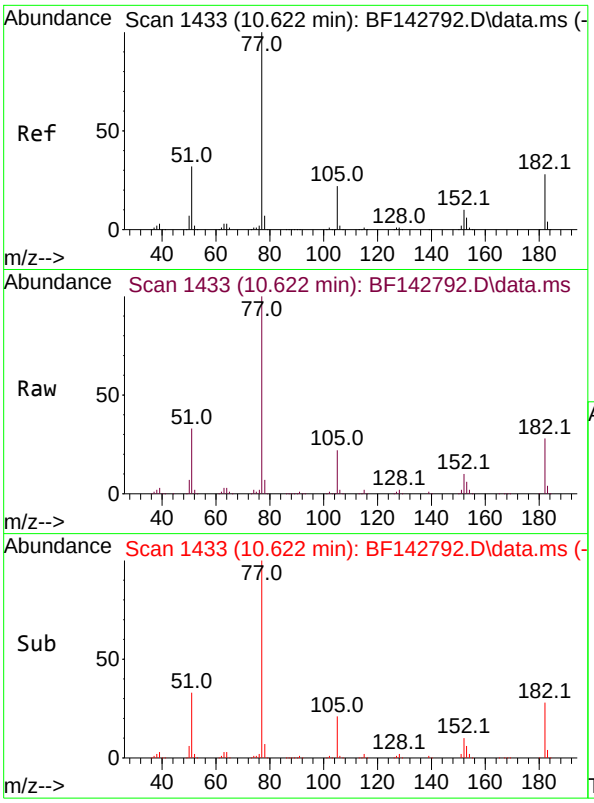


#62
4-Nitroaniline
Concen: 38.806 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:138 Resp: 88142

Ion	Ratio	Lower	Upper
138	100		
92	48.4	28.4	68.4
108	70.2	50.2	90.2



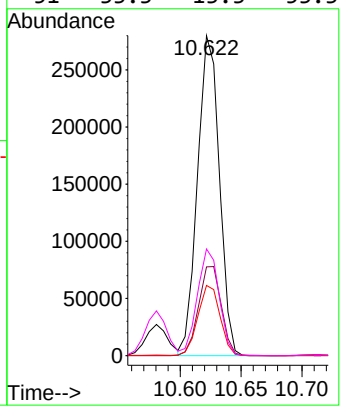


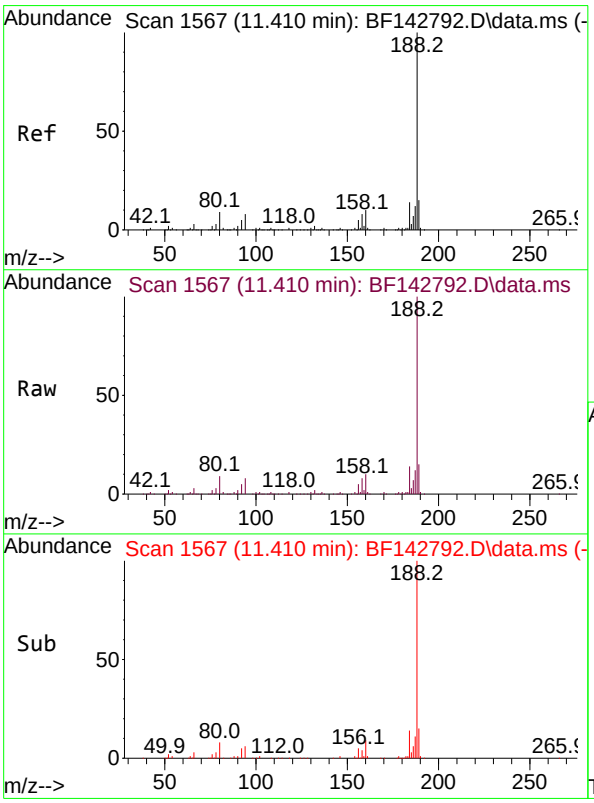
#63
Azobenzene
Concen: 37.534 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 350110

Ion	Ratio	Lower	Upper
77	100		
182	27.7	7.7	47.7
105	21.9	1.9	41.9
51	33.3	13.3	53.3

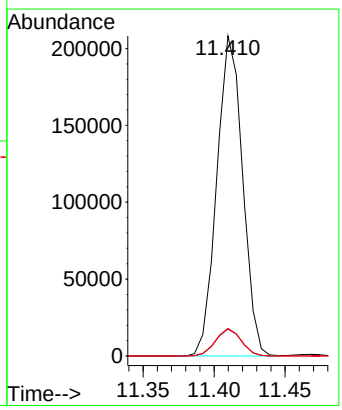


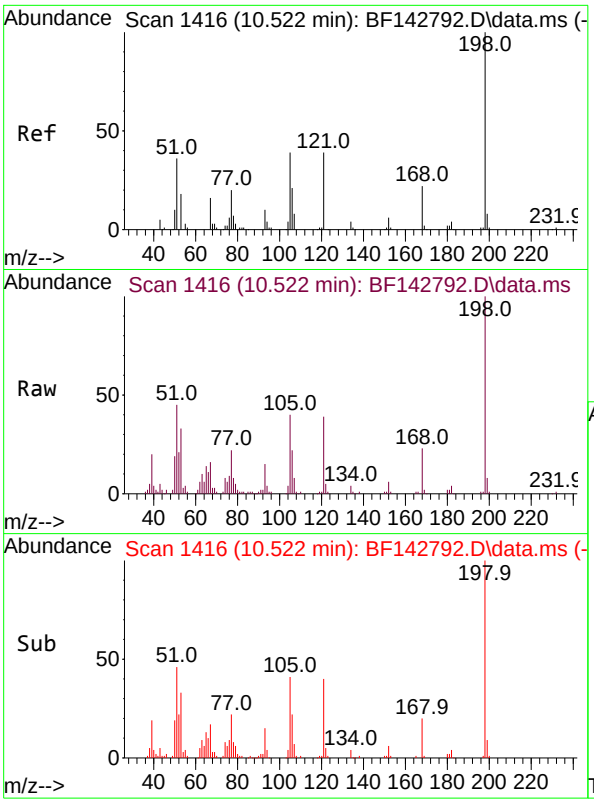


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:188 Resp: 263346

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.7	10.1
80	8.6	6.9	10.3



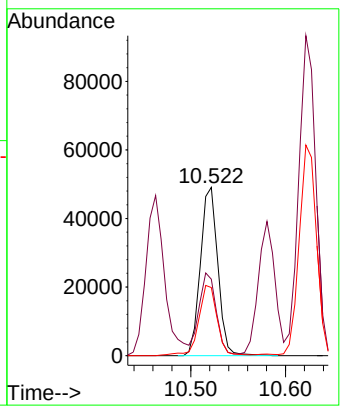


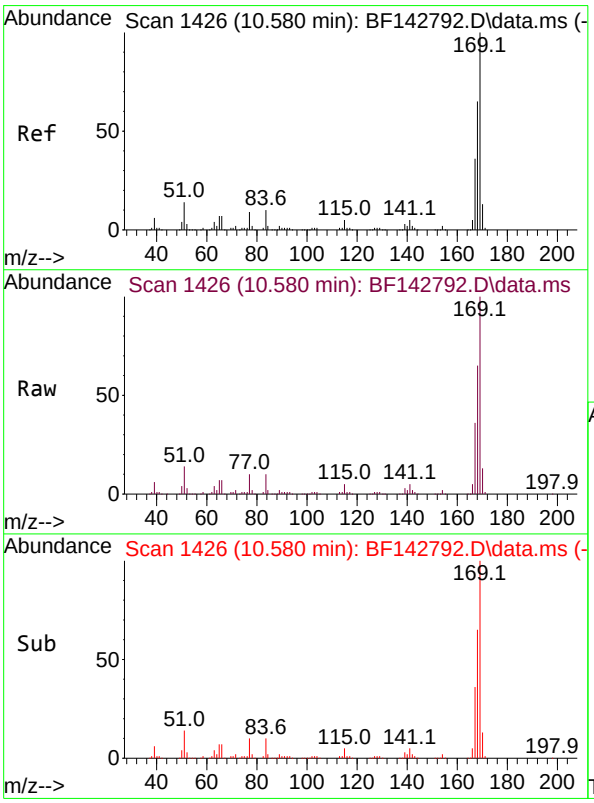
#65
4,6-Dinitro-2-methylphenol
Concen: 38.375 ng
RT: 10.522 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 62800

Ion	Ratio	Lower	Upper
198	100		
51	45.4	25.4	65.4
105	40.4	20.4	60.4

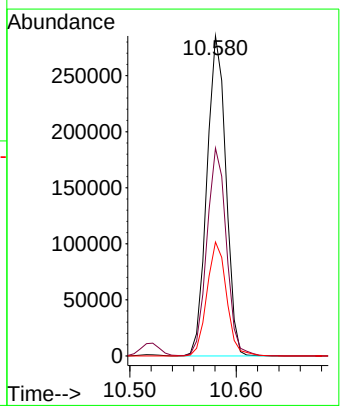


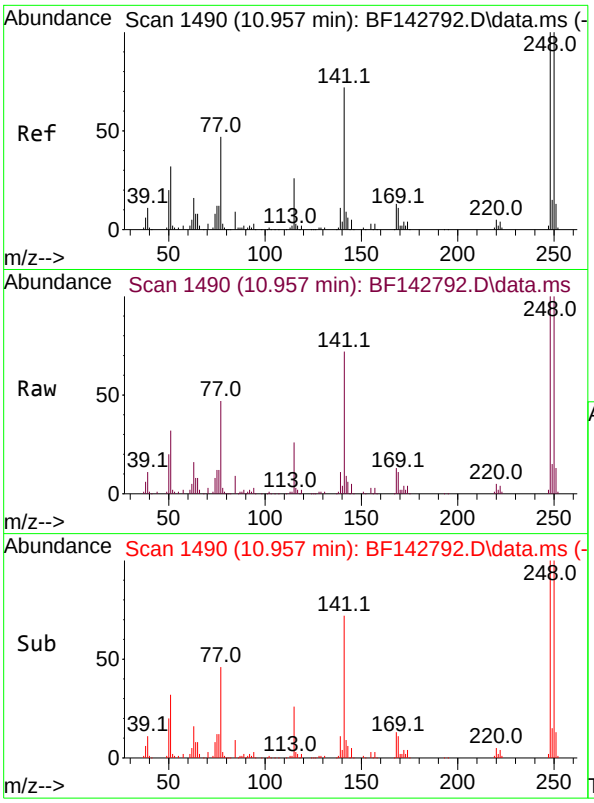


#66
n-Nitrosodiphenylamine
Concen: 39.014 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:169 Resp: 353033

Ion	Ratio	Lower	Upper
169	100		
168	64.9	51.9	77.9
167	35.6	28.5	42.7



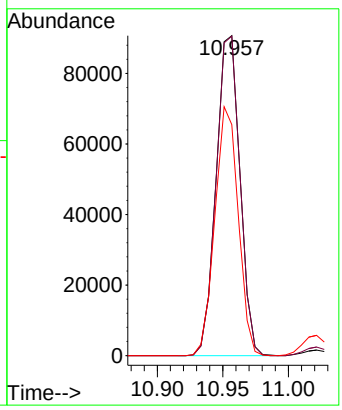


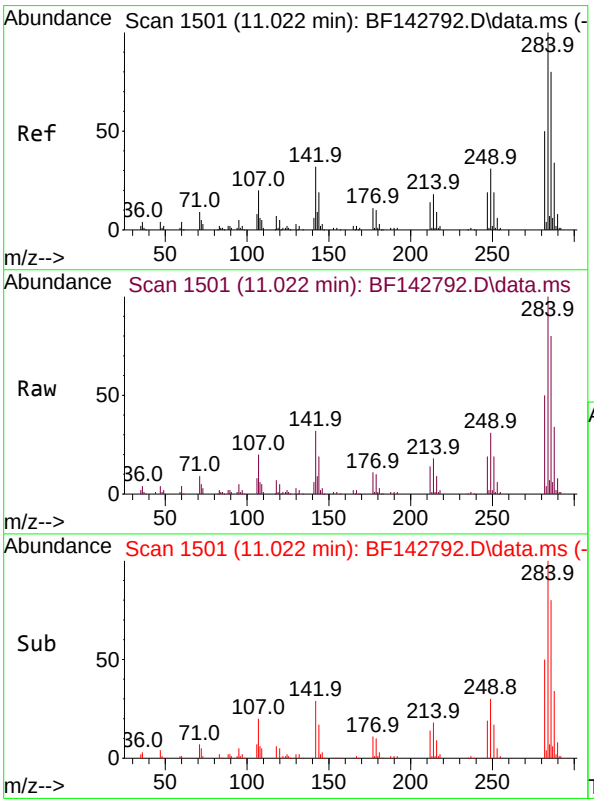
#67
4-Bromophenyl-phenylether
Concen: 37.246 ng
RT: 10.957 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 114874

Ion	Ratio	Lower	Upper
248	100		
250	99.8	79.8	119.8
141	72.2	57.8	86.6

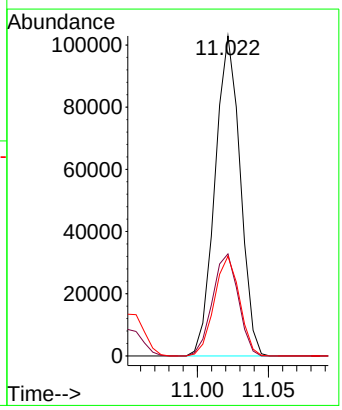


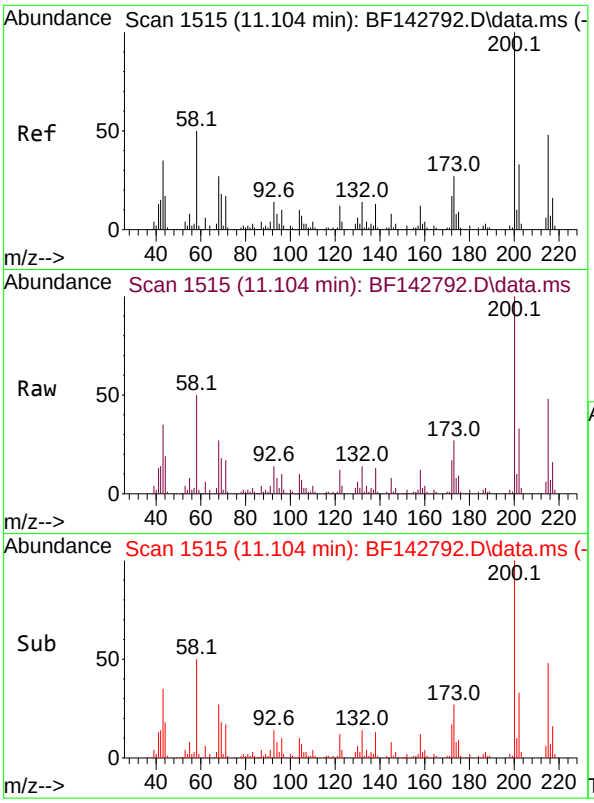


#68
Hexachlorobenzene
Concen: 37.057 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:284 Resp: 126882

Ion	Ratio	Lower	Upper
284	100		
142	31.9	25.5	38.3
249	31.1	24.9	37.3



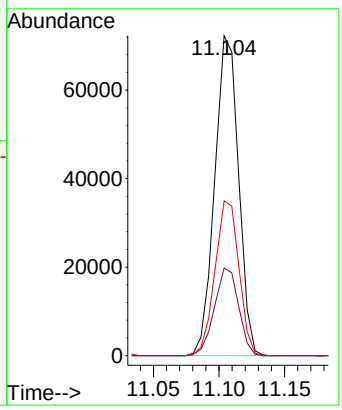


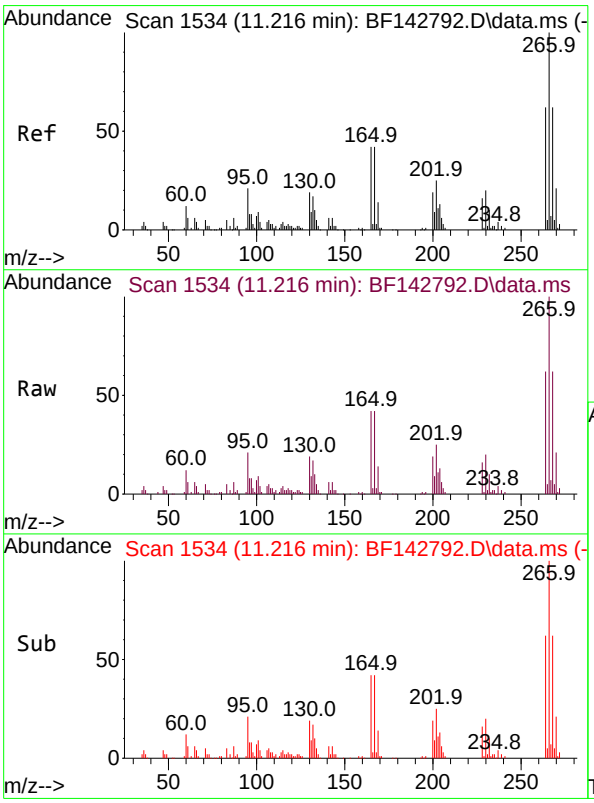
#69
Atrazine
Concen: 38.060 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 91444

Ion	Ratio	Lower	Upper
200	100		
173	27.4	7.4	47.4
215	48.4	28.4	68.4

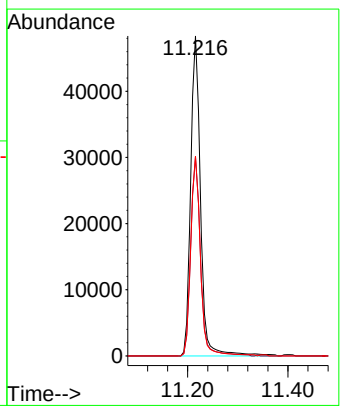


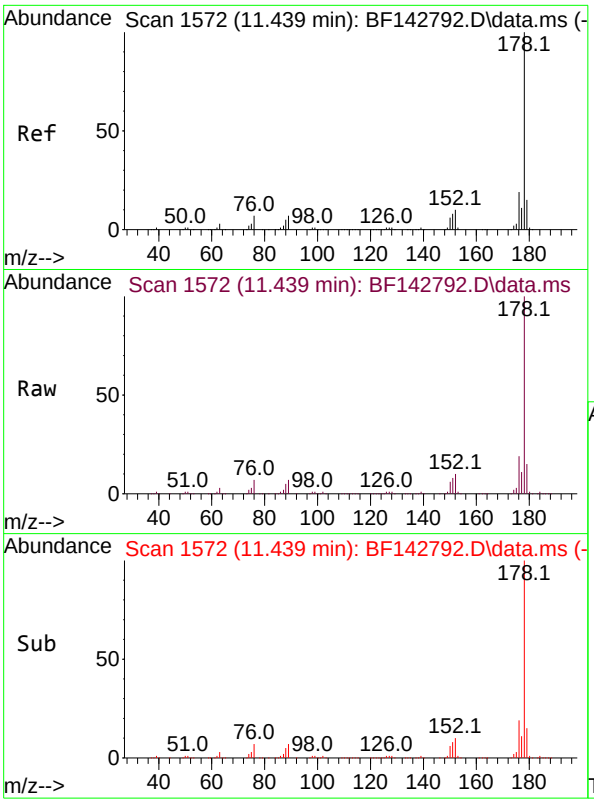


#70
Pentachlorophenol
Concen: 37.113 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:266 Resp: 65999

Ion	Ratio	Lower	Upper
266	100		
268	62.3	49.8	74.8
264	62.4	49.9	74.9



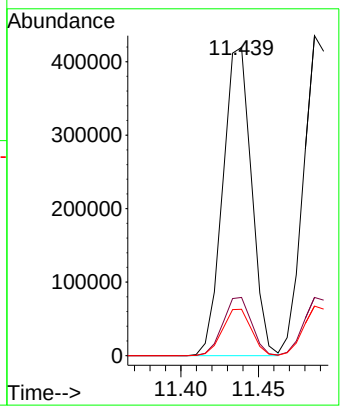


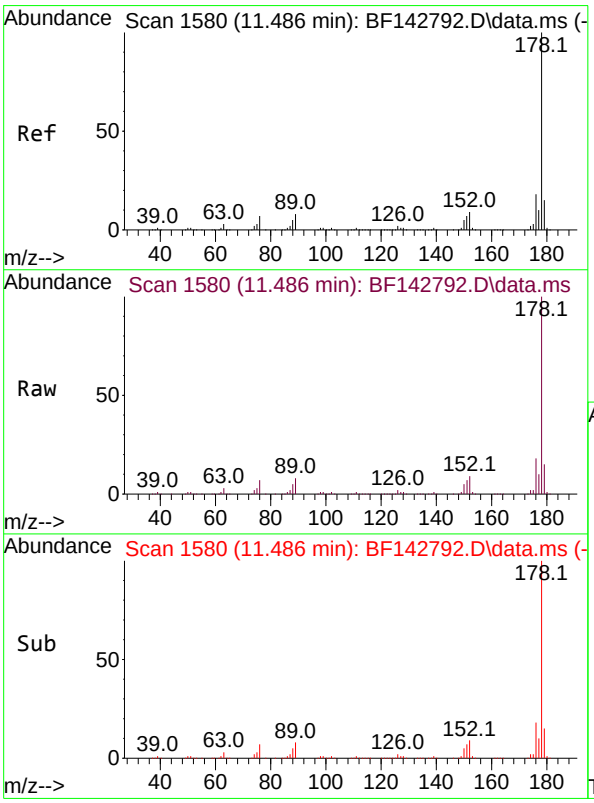
#71
Phenanthrene
Concen: 38.508 ng
RT: 11.439 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 542935

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.0	12.0	18.0

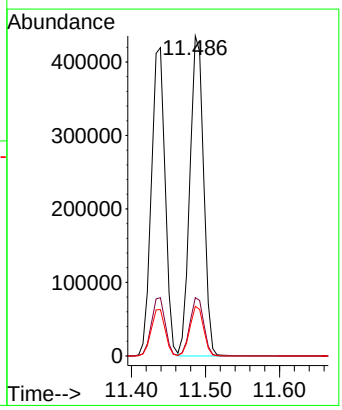


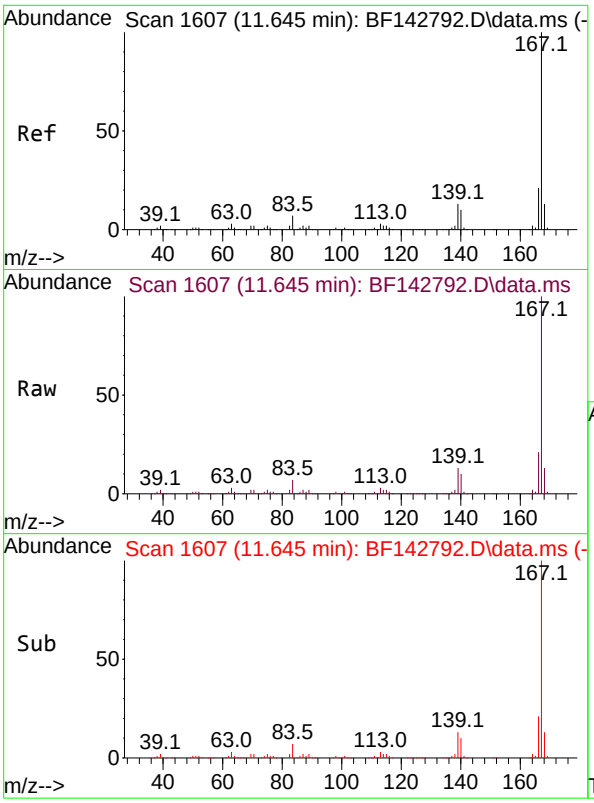


#72
Anthracene
Concen: 38.384 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:178 Resp: 560180

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	15.5	12.4	18.6



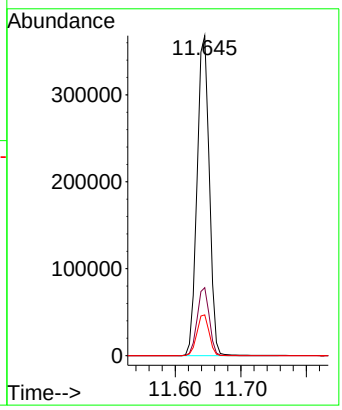


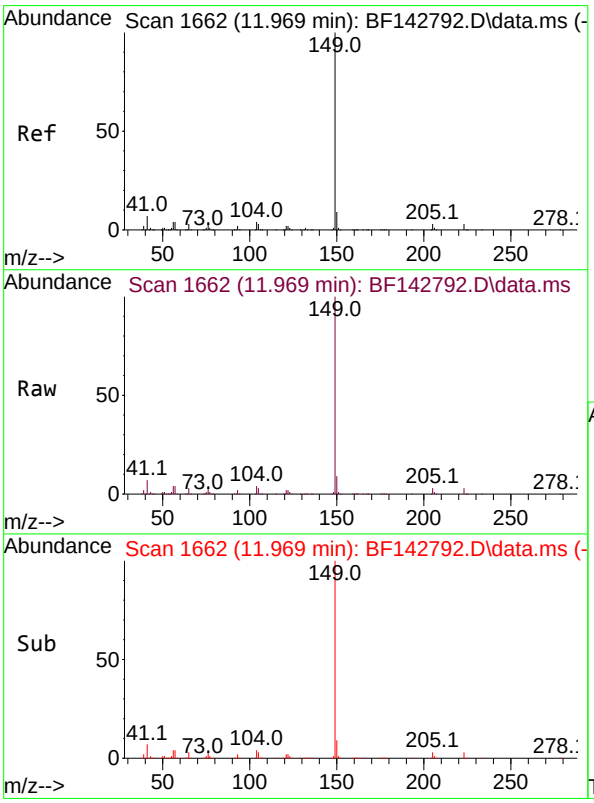
#73
Carbazole
Concen: 38.769 ng
RT: 11.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 473801

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.4
139	12.7	10.2	15.2

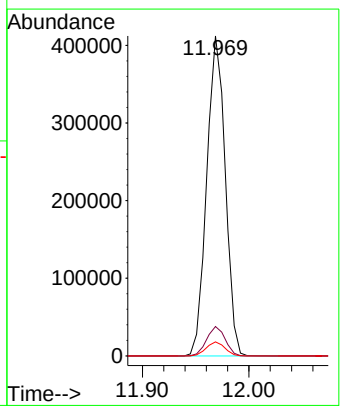


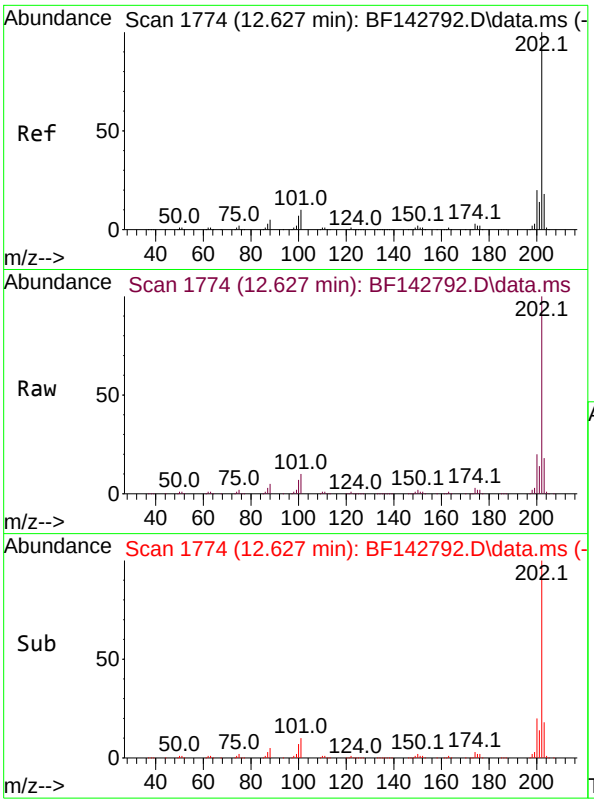


#74
Di-n-butylphthalate
Concen: 36.824 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:149 Resp: 498285

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	4.4	3.5	5.3



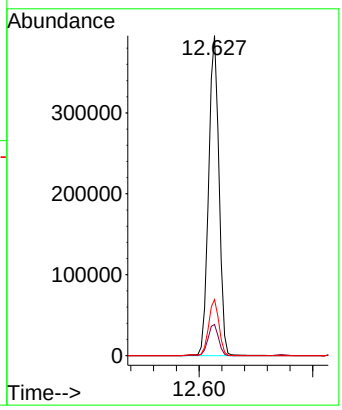


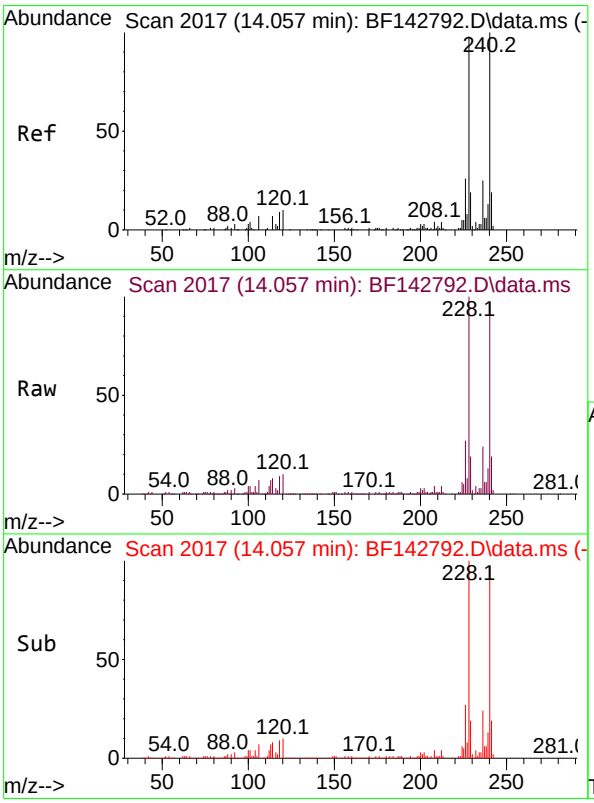
#75
Fluoranthene
Concen: 37.522 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 502656

Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	29.7
203	17.5	0.0	37.5

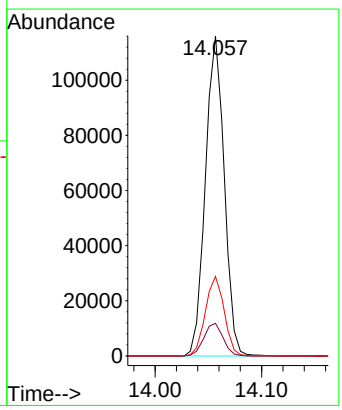


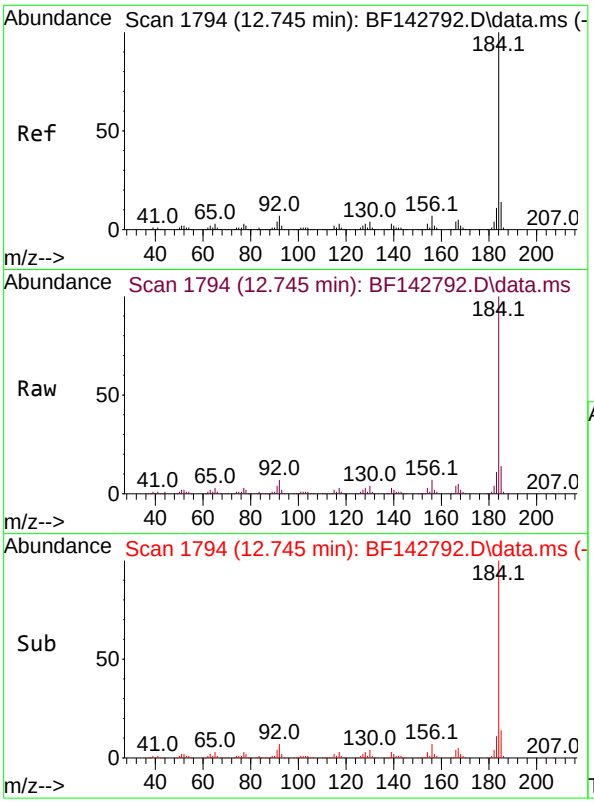


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:240 Resp: 142481

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.2	12.2
236	24.8	19.8	29.8



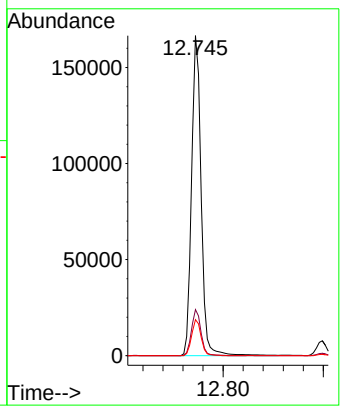


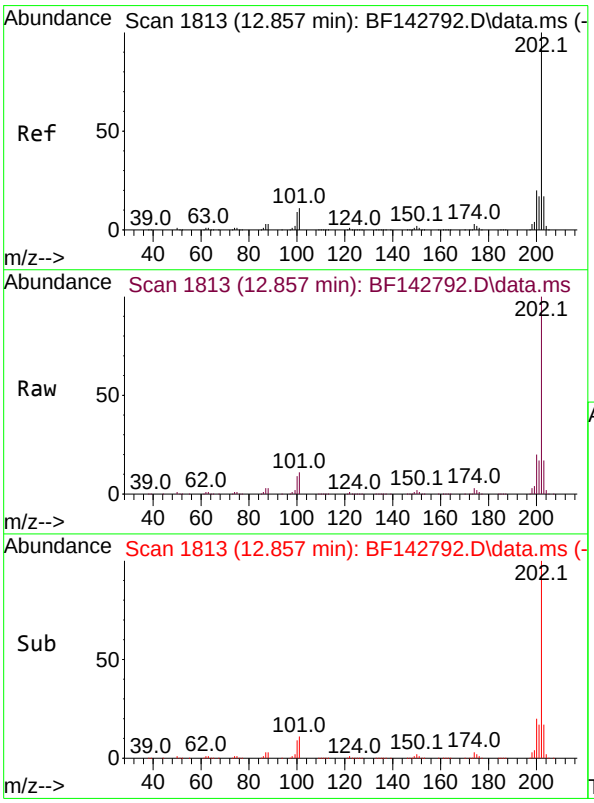
#77
Benzidine
Concen: 43.691 ng
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 220379

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	11.2	9.0	13.4

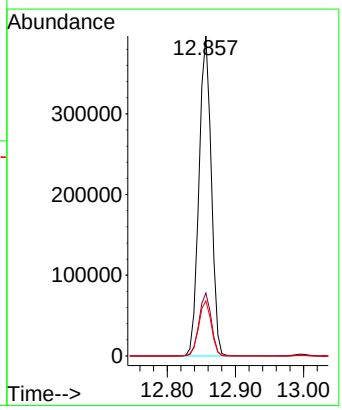


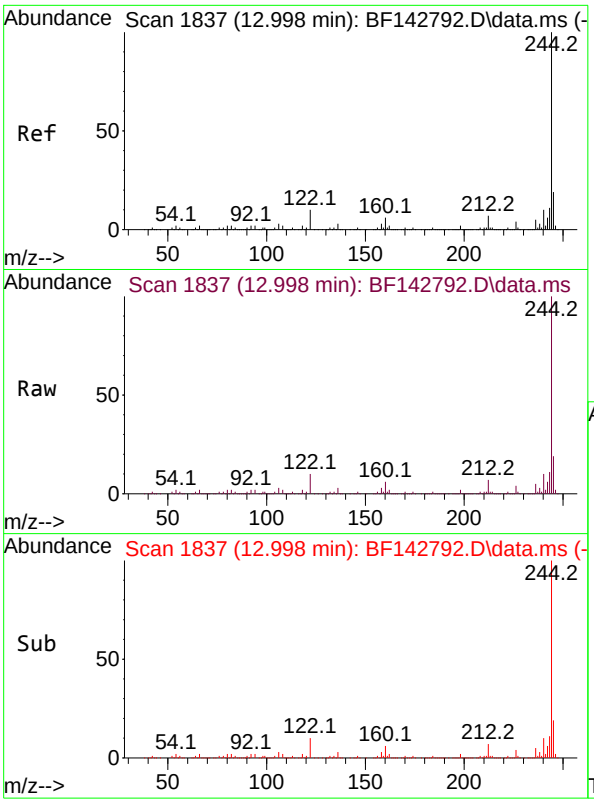


#78
Pyrene
Concen: 37.911 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:202 Resp: 496538

Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.7	23.5
203	17.2	13.8	20.6



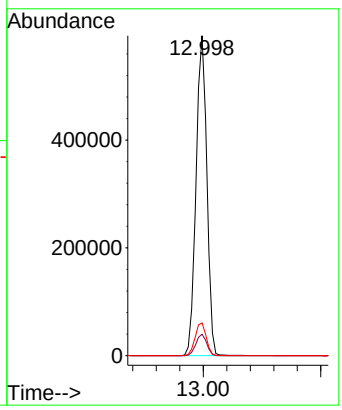


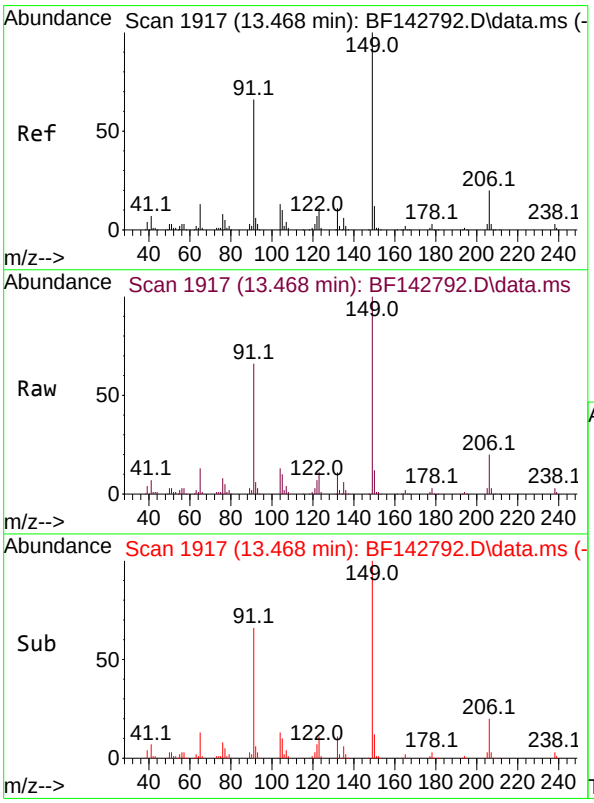
#79
Terphenyl-d14
Concen: 73.897 ng
RT: 12.998 min Scan# 18
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 756495

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.2	8.2	12.2

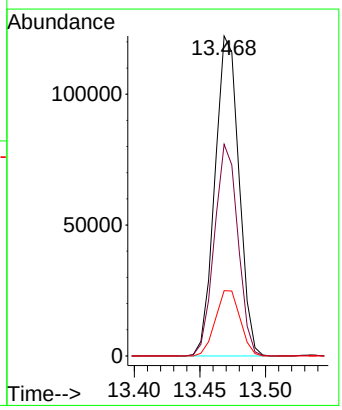


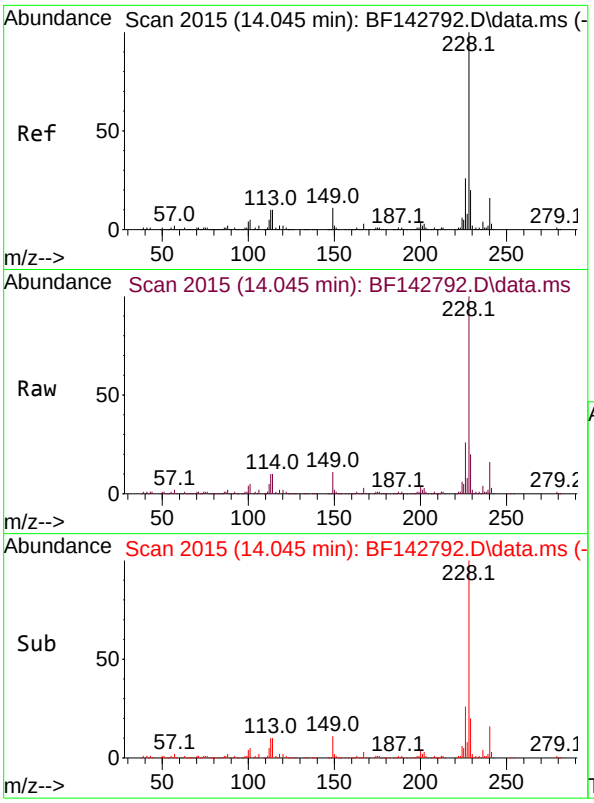


#80
Butylbenzylphthalate
Concen: 40.172 ng
RT: 13.468 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:149 Resp: 155920

Ion	Ratio	Lower	Upper
149	100		
91	66.1	52.9	79.3
206	20.4	16.3	24.5



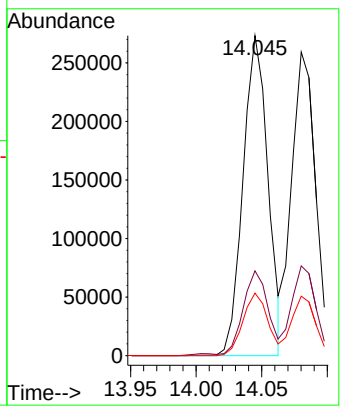


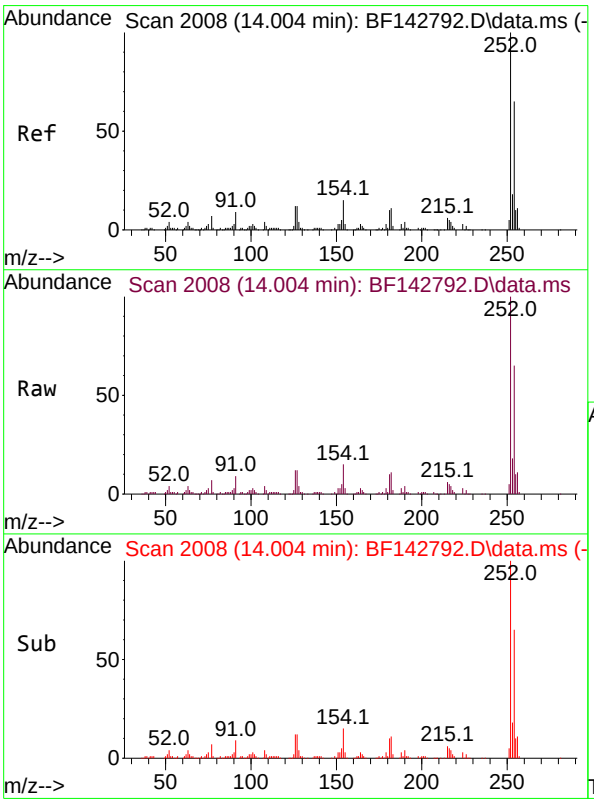
#81
Benzo(a)anthracene
Concen: 38.522 ng
RT: 14.045 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 360377

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.2	31.8
229	19.5	15.6	23.4

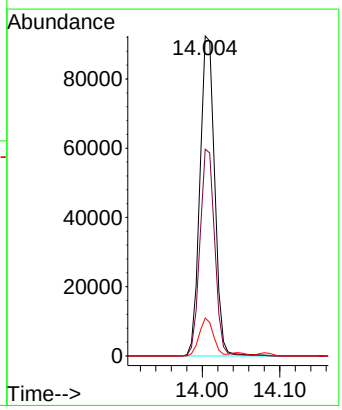


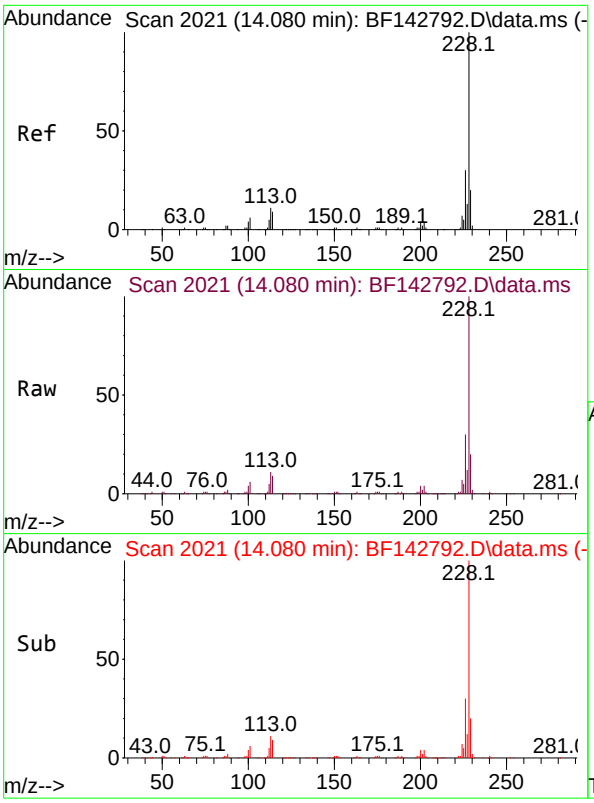


#82
3,3'-Dichlorobenzidine
Concen: 40.321 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:252 Resp: 122140

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.7	77.5
126	11.8	9.4	14.2



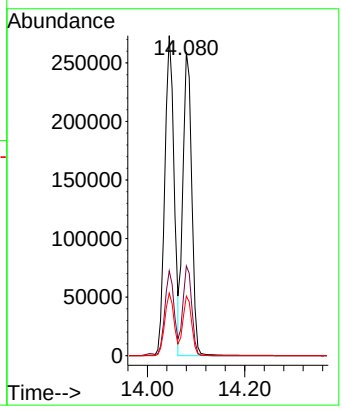


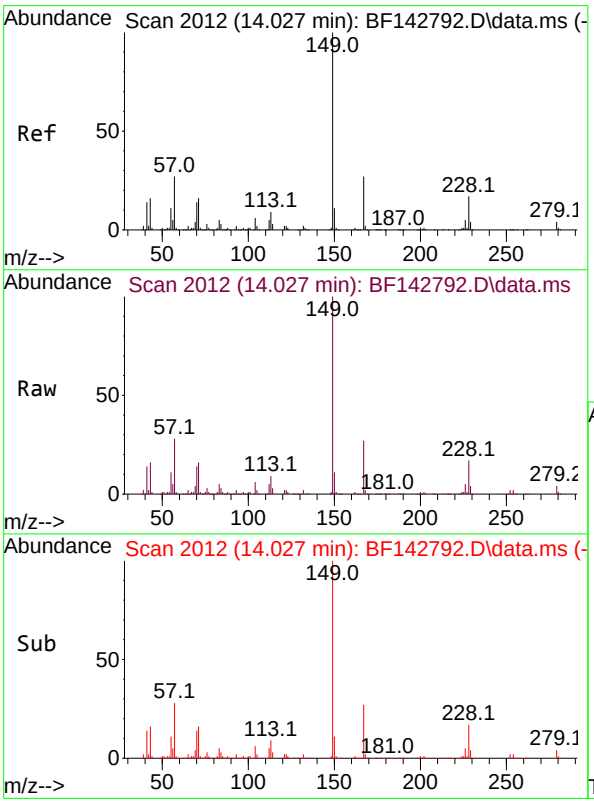
#83
Chrysene
Concen: 38.101 ng
RT: 14.080 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 331830

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.7	35.5
229	19.6	15.7	23.5

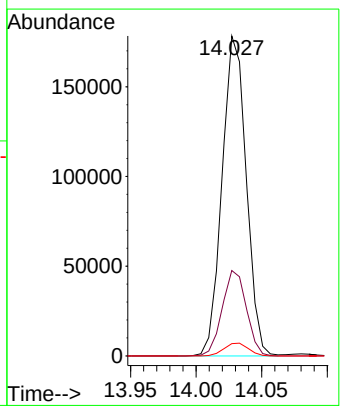


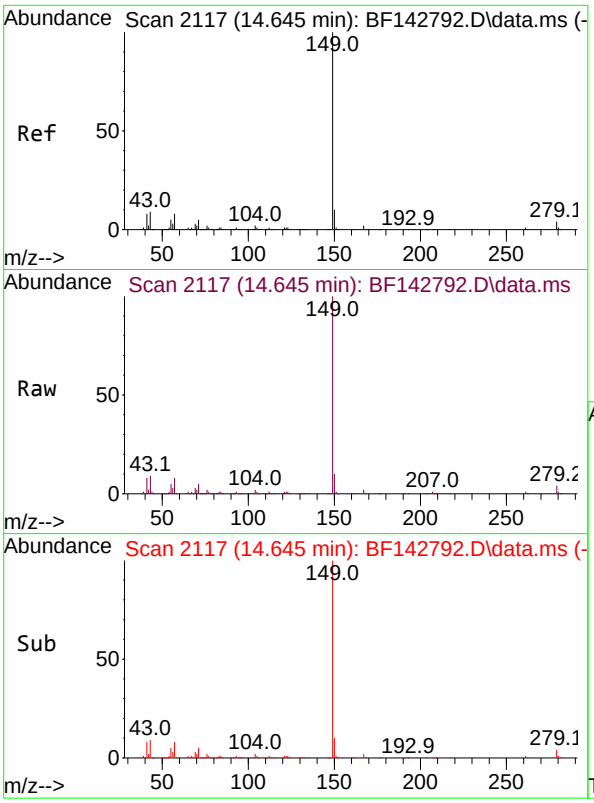


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.589 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:149 Resp: 228949

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.4	32.0
279	3.8	3.0	4.6



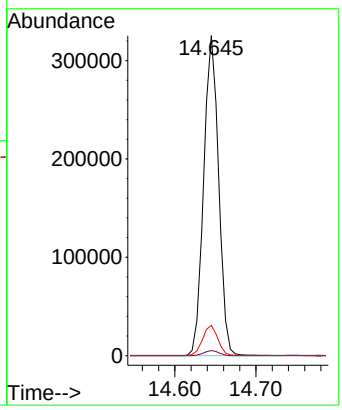


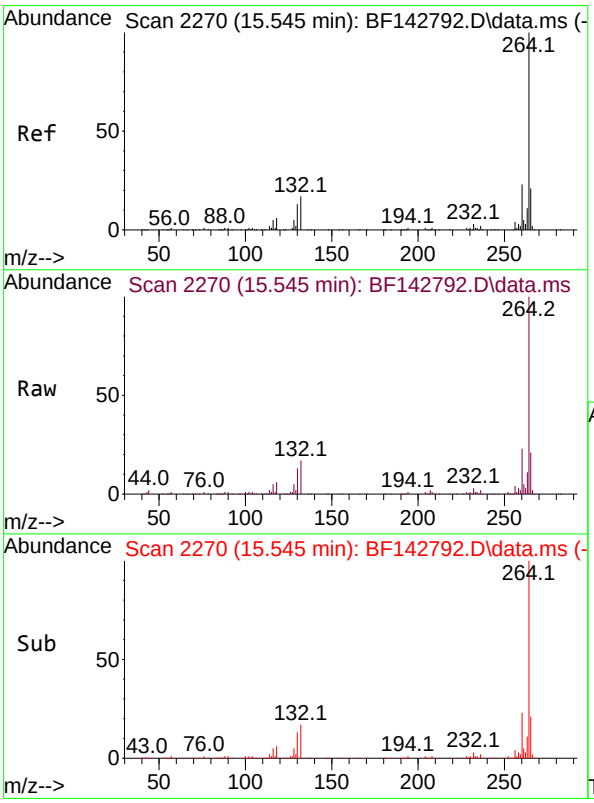
#85
Di-n-octyl phthalate
Concen: 37.837 ng
RT: 14.645 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 416971

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.5	7.6	11.4

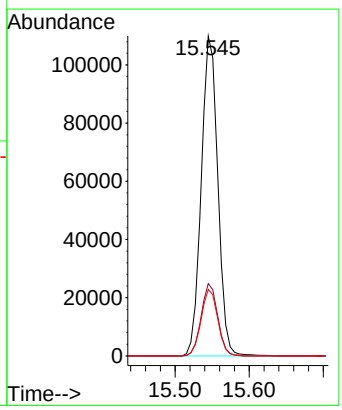


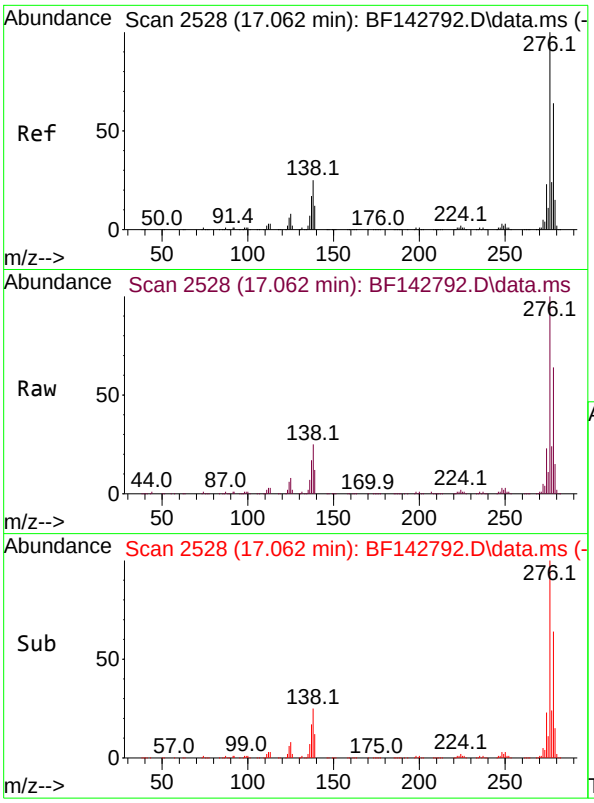


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:264 Resp: 170267

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.1	27.1
265	20.8	16.6	25.0



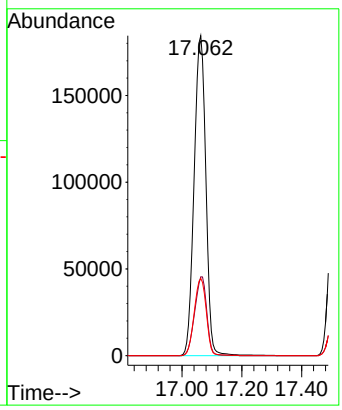


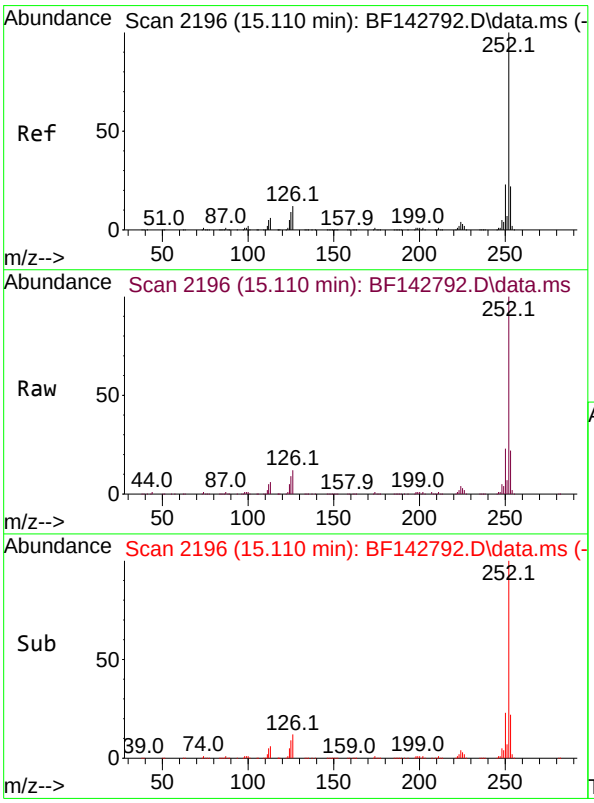
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.863 ng
RT: 17.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 501803

Ion	Ratio	Lower	Upper
276	100		
138	25.3	20.2	30.4
277	24.7	19.8	29.6

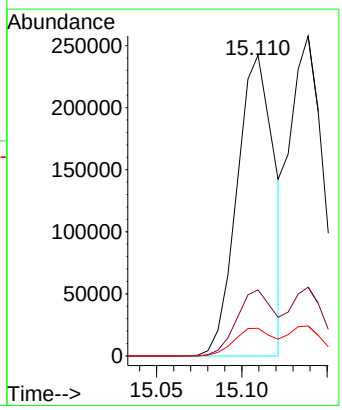


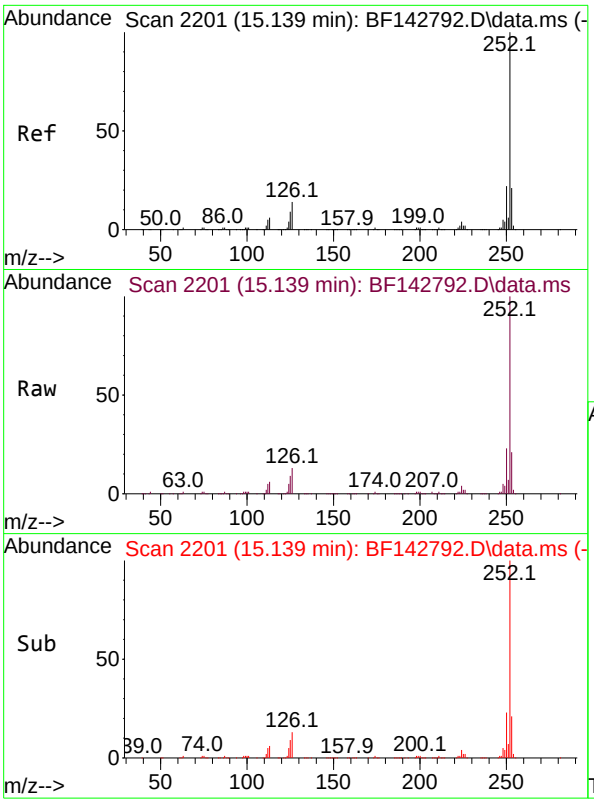


#88
Benzo(b)fluoranthene
Concen: 36.825 ng
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:252 Resp: 365164

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.2	7.4	11.0



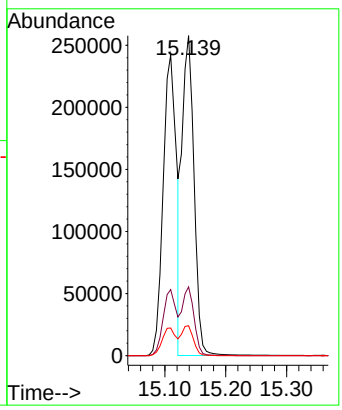


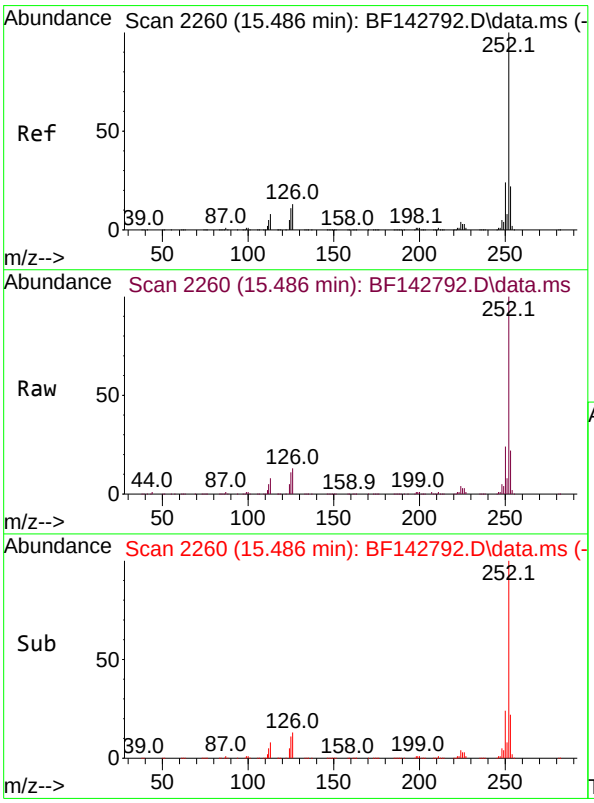
#89
Benzo(k)fluoranthene
Concen: 36.466 ng
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 352993

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	9.3	7.4	11.2

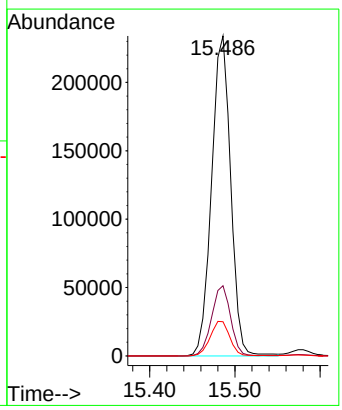


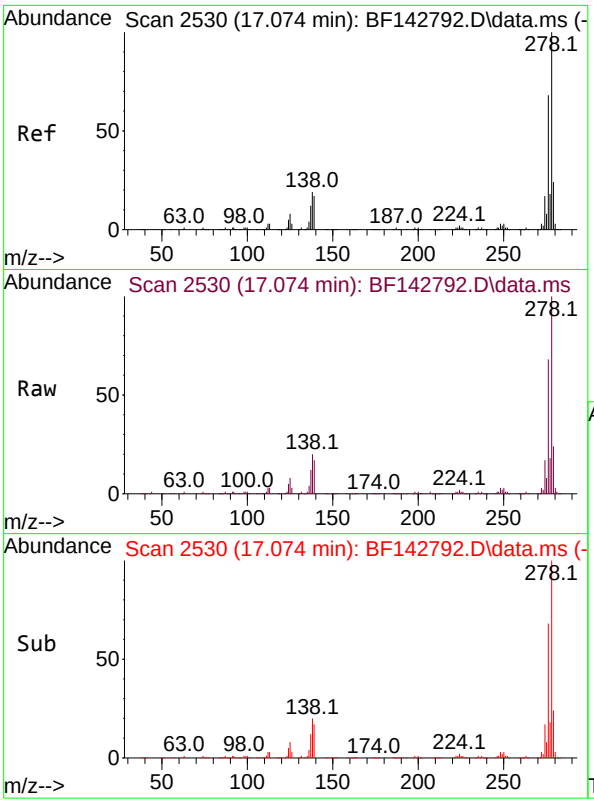


#90
Benzo(a)pyrene
Concen: 38.357 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:252 Resp: 363990

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.7	8.6	12.8



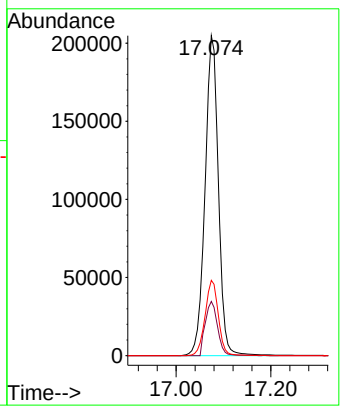


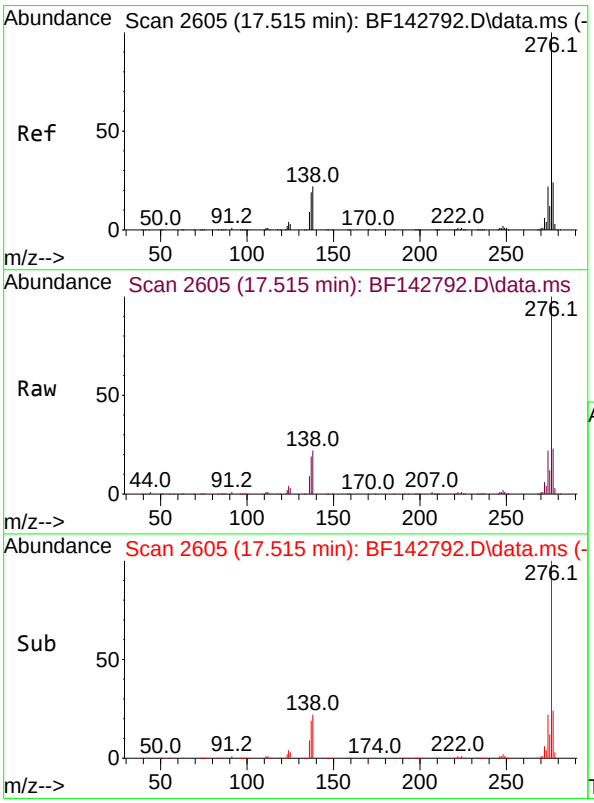
#91
Dibenzo(a,h)anthracene
Concen: 39.266 ng
RT: 17.074 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 401876

Ion	Ratio	Lower	Upper
278	100		
139	16.9	13.5	20.3
279	23.5	18.8	28.2

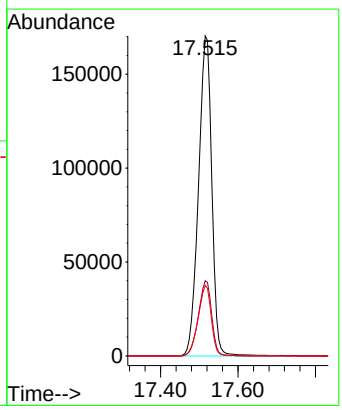




#92
Benzo(g,h,i)perylene
Concen: 39.635 ng
RT: 17.515 min Scan# 2605
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:276 Resp: 404711

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	22.0	17.6	26.4



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142793.D
Acq On : 19 Jun 2025 19:40
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Jun 20 04:40:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	69874	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	262911	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	139156	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	229780	20.000	ng	0.00
76) Chrysene-d12	14.057	240	117825	20.000	ng	0.00
86) Perylene-d12	15.545	264	139593	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	441114	107.674	ng	0.00
7) Phenol-d6	6.510	99	516909	107.451	ng	0.00
23) Nitrobenzene-d5	7.451	82	506846	105.669	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	152358	100.743	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1043477	99.755	ng	0.00
79) Terphenyl-d14	12.998	244	904305	106.820	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.628	88	88835	54.606	ng	99
3) Pyridine	3.398	79	227576	55.874	ng	99
4) n-Nitrosodimethylamine	3.351	42	116636	55.913	ng	98
6) Aniline	6.545	93	346211	53.700	ng	99
8) 2-Chlorophenol	6.663	128	238691	53.507	ng	99
9) Benzaldehyde	6.434	77	145420	49.583	ng	99
10) Phenol	6.528	94	288461	53.781	ng	95
11) bis(2-Chloroethyl)ether	6.616	93	206661	51.933	ng	100
12) 1,3-Dichlorobenzene	6.822	146	262098	51.598	ng	99
13) 1,4-Dichlorobenzene	6.898	146	266098	51.685	ng	99
14) 1,2-Dichlorobenzene	7.051	146	253411	51.487	ng	99
15) Benzyl Alcohol	7.022	79	193284	53.677	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.157	45	328251	52.354	ng	99
17) 2-Methylphenol	7.133	107	182167	53.415	ng	99
18) Hexachloroethane	7.392	117	94097	51.126	ng	99
19) n-Nitroso-di-n-propyla...	7.298	70	147905	48.753	ng	98
20) 3+4-Methylphenols	7.286	107	229169	53.390	ng	94
22) Acetophenone	7.292	105	303087	52.102	ng	98
24) Nitrobenzene	7.469	77	229219	53.773	ng	98
25) Isophorone	7.704	82	404886	50.334	ng	100
26) 2-Nitrophenol	7.781	139	127773	53.795	ng	99
27) 2,4-Dimethylphenol	7.816	122	216204	53.466	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	256119	51.148	ng	100
29) 2,4-Dichlorophenol	8.022	162	195589	52.478	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	213118	51.763	ng	100
31) Naphthalene	8.186	128	668713	51.717	ng	100
32) Benzoic acid	7.933	122	119196	53.128	ng	97
33) 4-Chloroaniline	8.239	127	276441	53.347	ng	99
34) Hexachlorobutadiene	8.304	225	131697	50.481	ng	99
35) Caprolactam	8.610	113	53024	52.873	ng	98
36) 4-Chloro-3-methylphenol	8.716	107	195744	50.843	ng	99
37) 2-Methylnaphthalene	8.880	142	414854	50.859	ng	99
38) 1-Methylnaphthalene	8.980	142	430144	50.792	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	207997	51.779	ng	100
41) Hexachlorocyclopentadiene	9.033	237	127033	50.012	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	141932	54.597	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142793.D
Acq On : 19 Jun 2025 19:40
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Jun 20 04:40:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

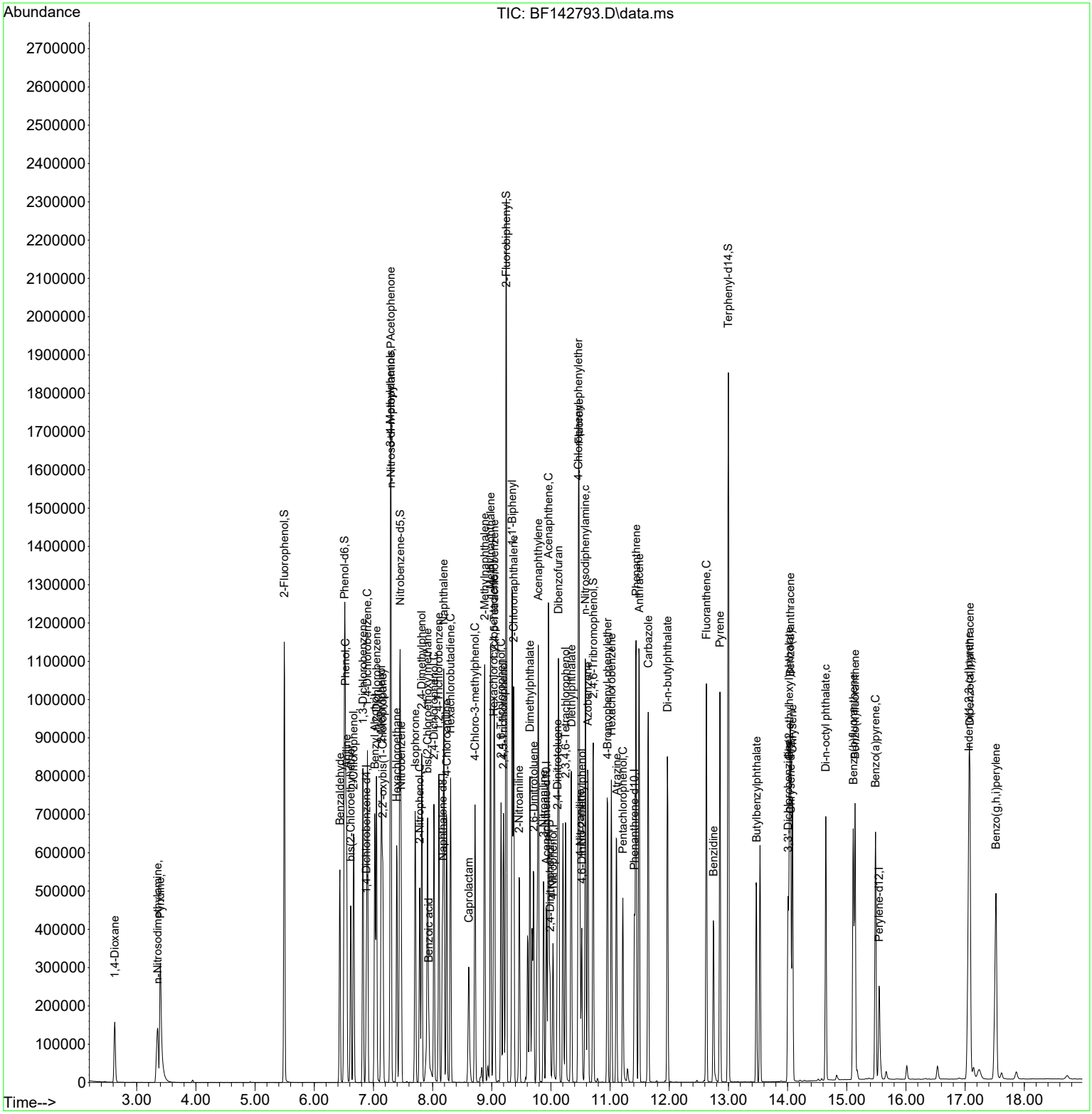
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	144717	51.550	ng	100
46) 1,1'-Biphenyl	9.345	154	559765	51.807	ng	99
47) 2-Chloronaphthalene	9.369	162	420603	52.754	ng	100
48) 2-Nitroaniline	9.463	65	124478	54.955	ng	99
49) Acenaphthylene	9.786	152	694098	51.783	ng	100
50) Dimethylphthalate	9.645	163	464372	50.308	ng	100
51) 2,6-Dinitrotoluene	9.710	165	102361	51.156	ng	98
52) Acenaphthene	9.957	154	427135	51.498	ng	100
53) 3-Nitroaniline	9.874	138	117448	54.038	ng	98
54) 2,4-Dinitrophenol	9.986	184	60308	55.696	ng	92
55) Dibenzofuran	10.127	168	609507	51.506	ng	100
56) 4-Nitrophenol	10.033	139	82688	56.047	ng	98
57) 2,4-Dinitrotoluene	10.110	165	141691	53.554	ng	98
58) Fluorene	10.474	166	473968	50.747	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	120008	50.988	ng	97
60) Diethylphthalate	10.345	149	458546	50.010	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	222613	49.076	ng	98
62) 4-Nitroaniline	10.492	138	109973	56.363	ng	97
63) Azobenzene	10.622	77	409164	51.063	ng	100
65) 4,6-Dinitro-2-methylph...	10.522	198	76696	53.713	ng	97
66) n-Nitrosodiphenylamine	10.580	169	411917	52.171	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	135699	50.425	ng	98
68) Hexachlorobenzene	11.021	284	150669	50.432	ng	99
69) Atrazine	11.110	200	111915	53.385	ng	99
70) Pentachlorophenol	11.216	266	81577	52.574	ng	98
71) Phenanthrene	11.439	178	644668	52.403	ng	99
72) Anthracene	11.492	178	654942	51.433	ng	99
73) Carbazole	11.645	167	575784	53.996	ng	100
74) Di-n-butylphthalate	11.968	149	616452	52.211	ng	100
75) Fluoranthene	12.627	202	608190	52.032	ng	100
77) Benzidine	12.745	184	242794	58.208	ng	100
78) Pyrene	12.857	202	597913	55.205	ng	99
80) Butylbenzylphthalate	13.474	149	180565	56.257	ng	97
81) Benzo(a)anthracene	14.045	228	413349	53.431	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	140152	55.949	ng	99
83) Chrysene	14.080	228	381352	52.950	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	253542	53.016	ng	100
85) Di-n-octyl phthalate	14.645	149	474143	52.029	ng	100
87) Indeno(1,2,3-cd)pyrene	17.062	276	575271	55.741	ng	100
88) Benzo(b)fluoranthene	15.109	252	401915	49.437	ng	100
89) Benzo(k)fluoranthene	15.139	252	416169	52.440	ng	100
90) Benzo(a)pyrene	15.486	252	419030	53.860	ng	99
91) Dibenzo(a,h)anthracene	17.080	278	466485	55.594	ng	99
92) Benzo(g,h,i)perylene	17.521	276	464951	55.540	ng	99

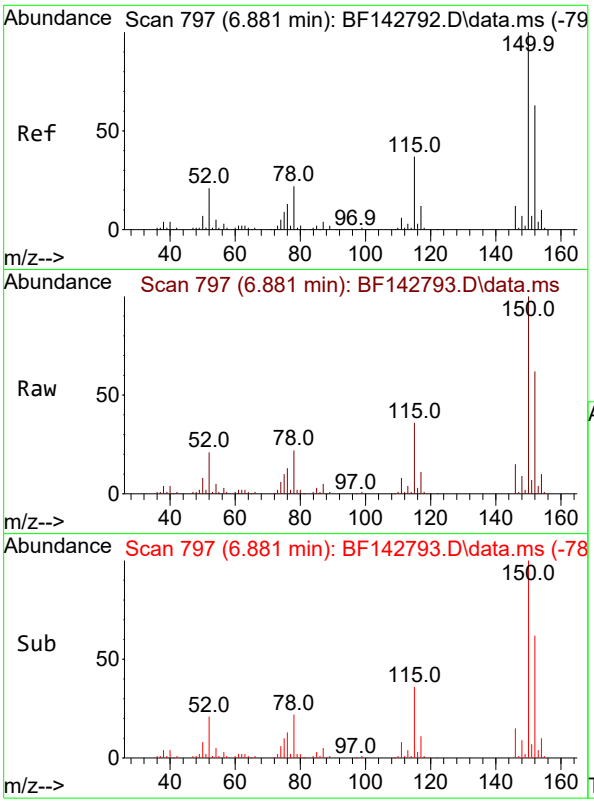
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Data File : BF142793.D
Acq On : 19 Jun 2025 19:40
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Jun 20 04:40:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



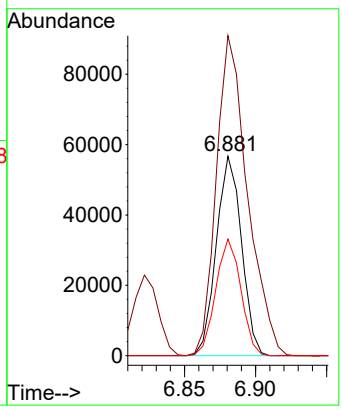


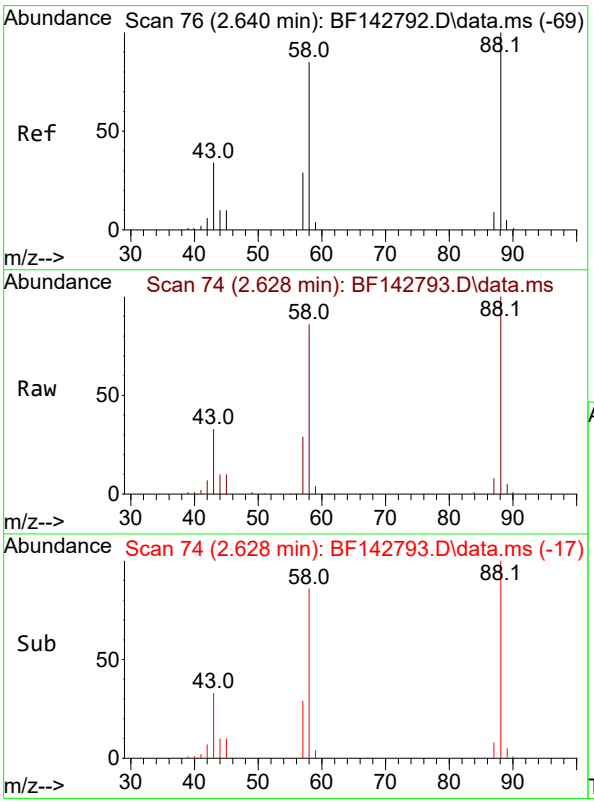
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 69874

Ion	Ratio	Lower	Upper
152	100		
150	160.5	127.2	190.8
115	58.5	46.6	69.8

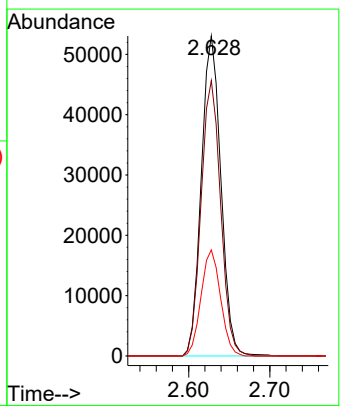


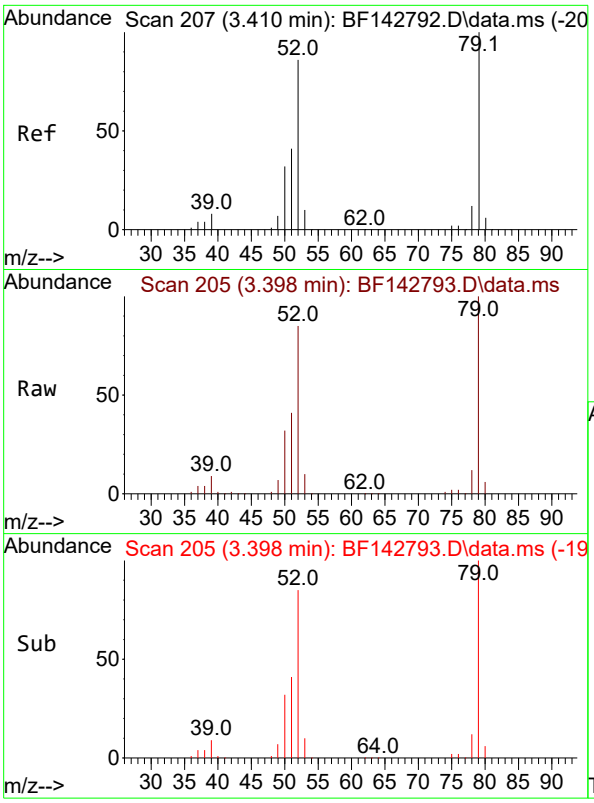


#2
1,4-Dioxane
Concen: 54.606 ng
RT: 2.628 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion: 88 Resp: 88835

Ion	Ratio	Lower	Upper
88	100		
58	85.8	69.1	103.7
43	33.0	27.4	41.2



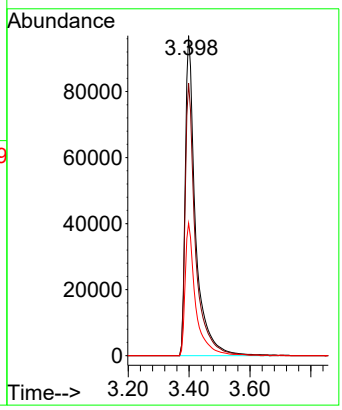


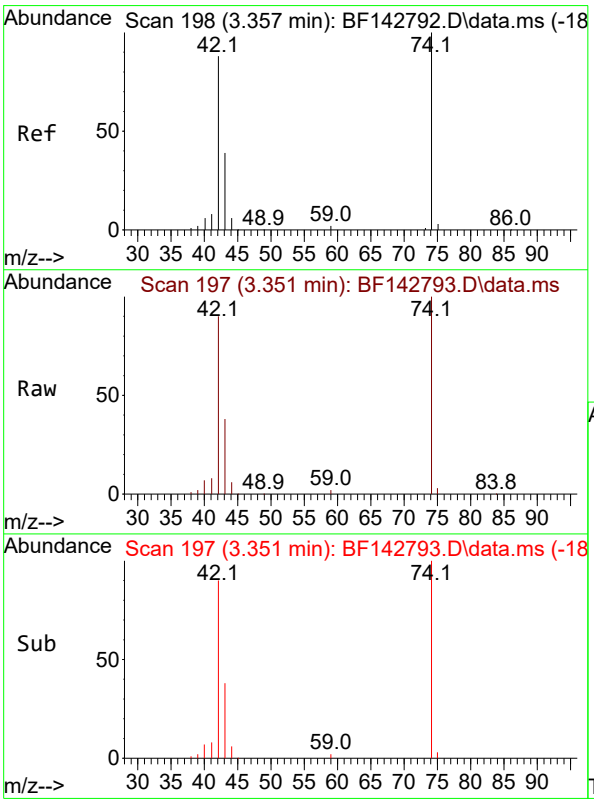
#3
Pyridine
Concen: 55.874 ng
RT: 3.398 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 227576

Ion	Ratio	Lower	Upper
79	100		
52	85.2	69.2	103.8
51	41.4	33.2	49.8

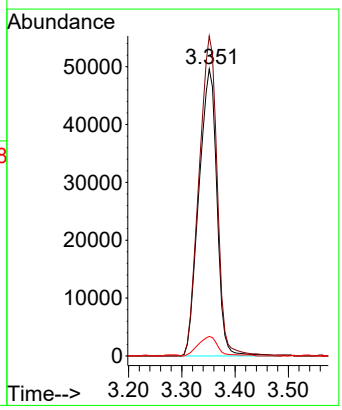


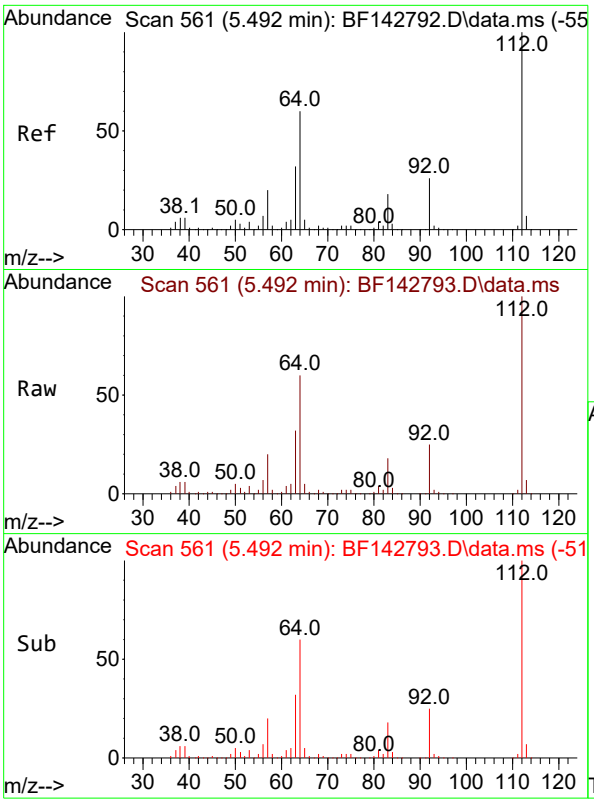


#4
n-Nitrosodimethylamine
Concen: 55.913 ng
RT: 3.351 min Scan# 197
Delta R.T. -0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion: 42 Resp: 116636

Ion	Ratio	Lower	Upper
42	100		
74	111.5	90.9	136.3
44	6.8	5.8	8.6



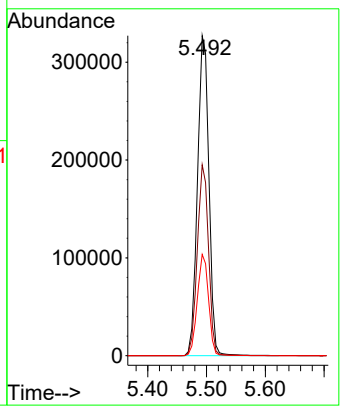


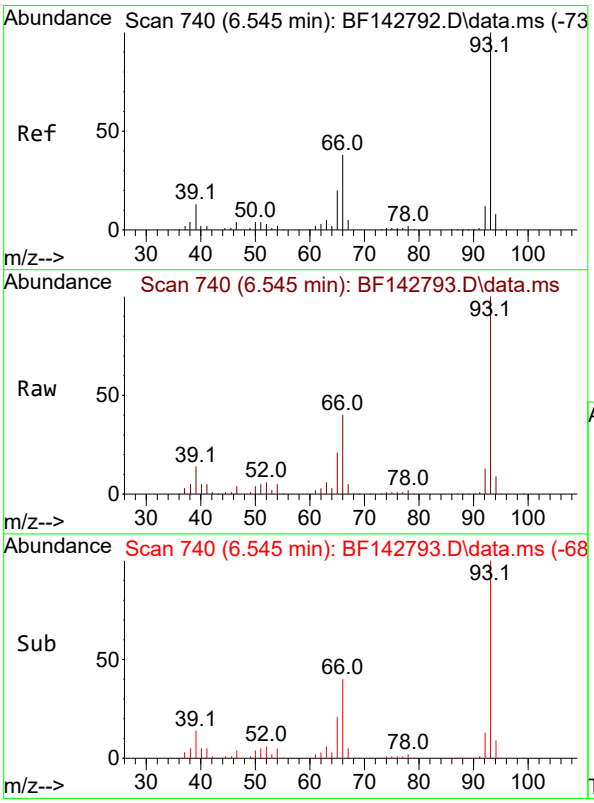
#5
2-Fluorophenol
Concen: 107.674 ng
RT: 5.492 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 441114

Ion	Ratio	Lower	Upper
112	100		
64	59.6	48.2	72.2
63	31.6	25.7	38.5

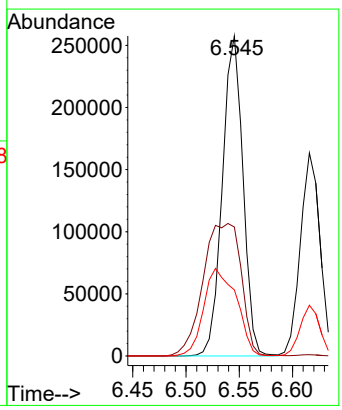


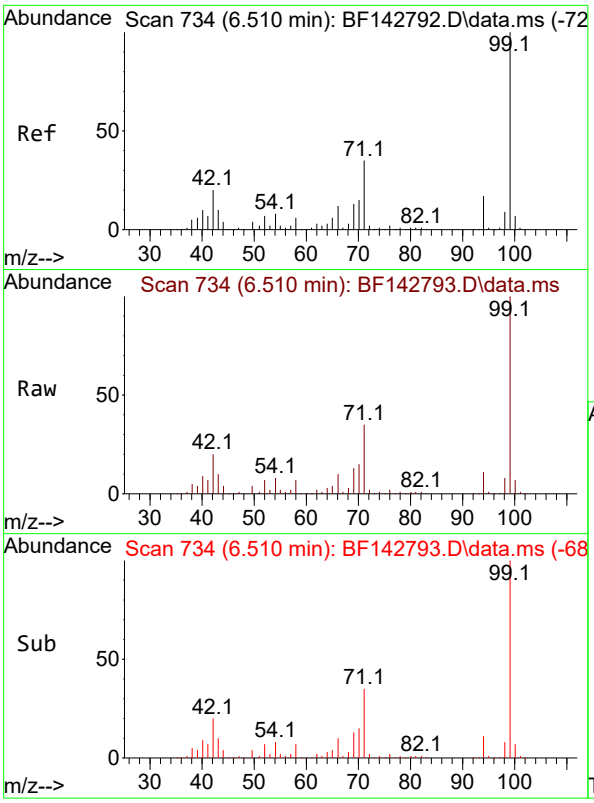


#6
Aniline
Concen: 53.700 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion: 93 Resp: 346211

Ion	Ratio	Lower	Upper
93	100		
66	40.3	31.8	47.6
65	20.7	16.2	24.2



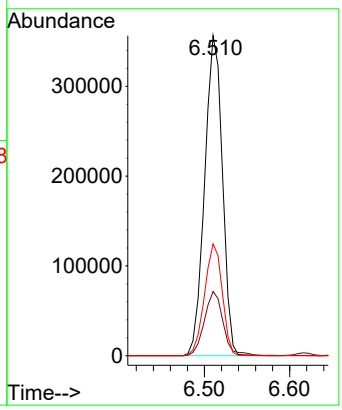


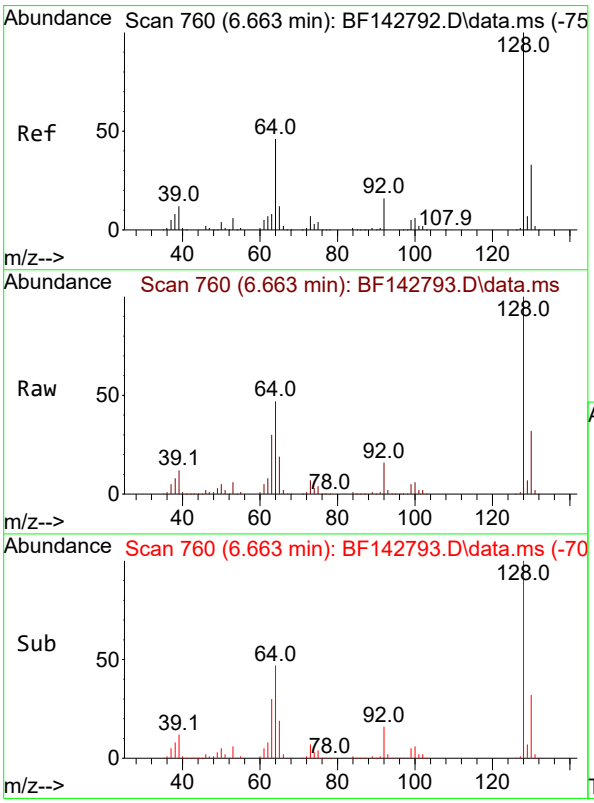
#7
Phenol-d6
Concen: 107.451 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 516909

Ion	Ratio	Lower	Upper
99	100		
42	20.1	15.9	23.9
71	34.9	27.8	41.8

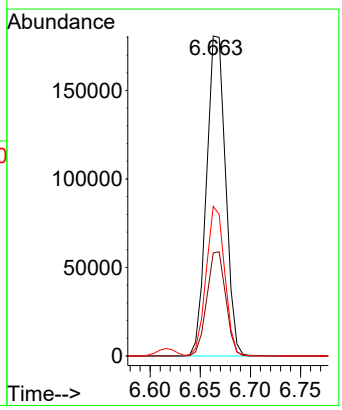


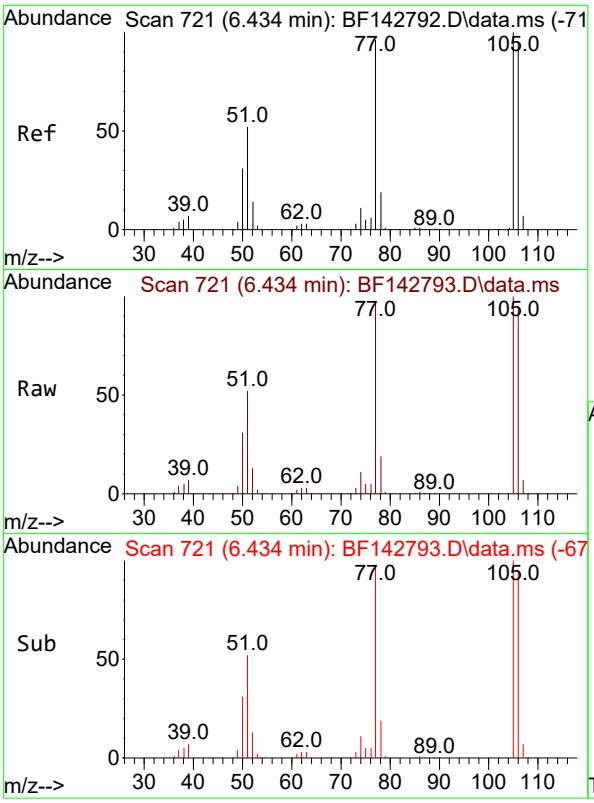


#8
2-Chlorophenol
Concen: 53.507 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:128 Resp: 238691

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.7	52.7
64	46.8	26.5	66.5



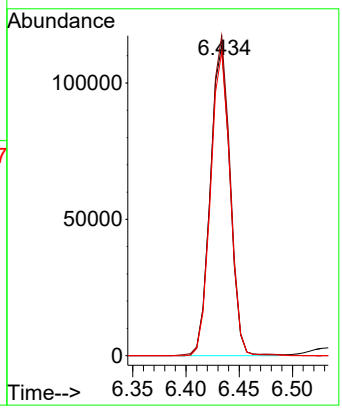


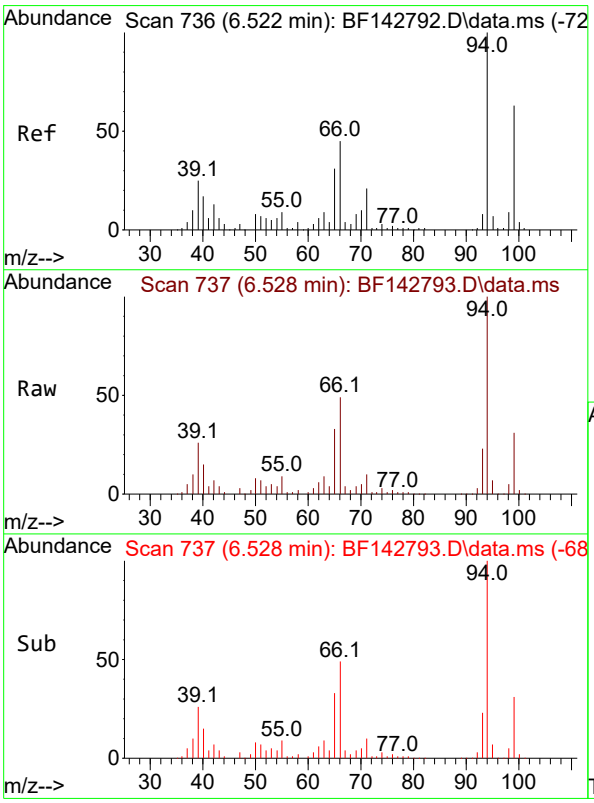
#9
Benzaldehyde
Concen: 49.583 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 145420

Ion	Ratio	Lower	Upper
77	100		
105	103.2	83.8	123.8
106	98.0	78.7	118.7

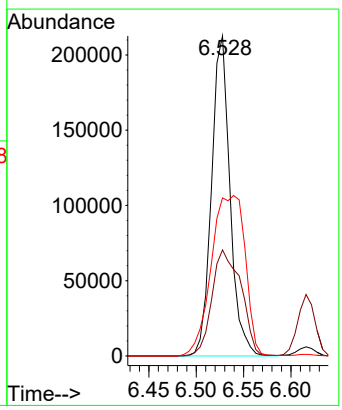


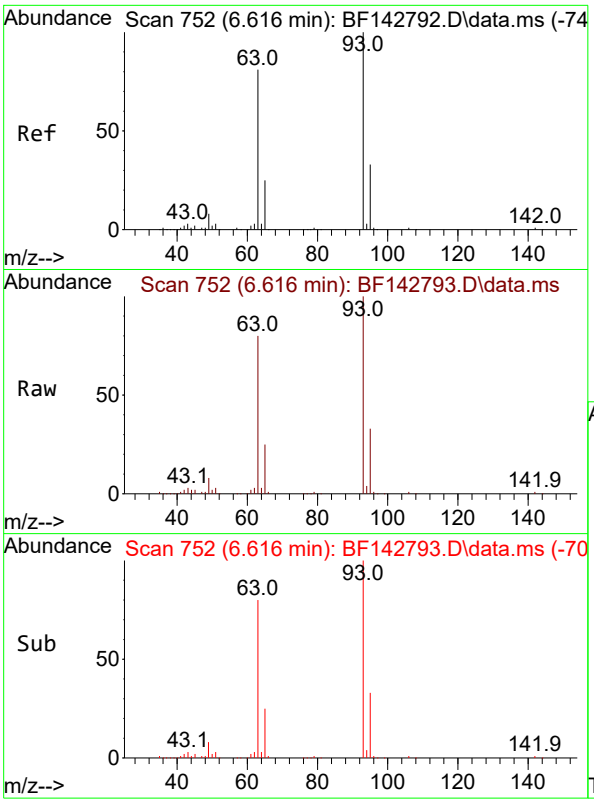


#10
Phenol
Concen: 53.781 ng
RT: 6.528 min Scan# 737
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion: 94 Resp: 288461

Ion	Ratio	Lower	Upper
94	100		
65	33.2	11.3	51.3
66	49.4	24.9	64.9



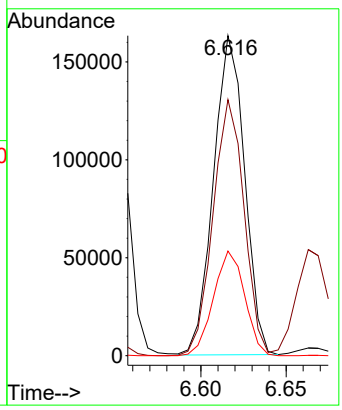


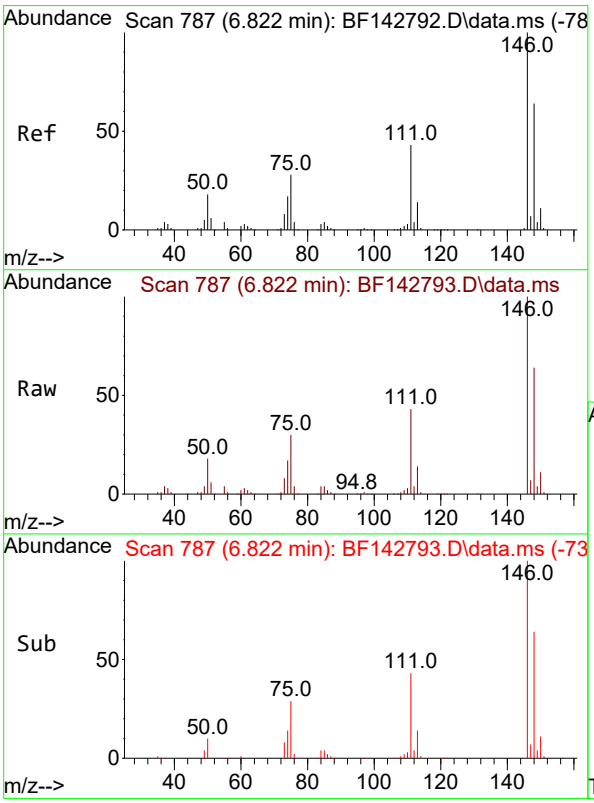
#11
bis(2-Chloroethyl)ether
Concen: 51.933 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 206661

Ion	Ratio	Lower	Upper
93	100		
63	80.0	60.3	100.3
95	32.7	12.5	52.5

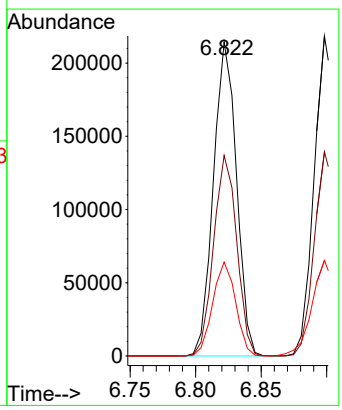


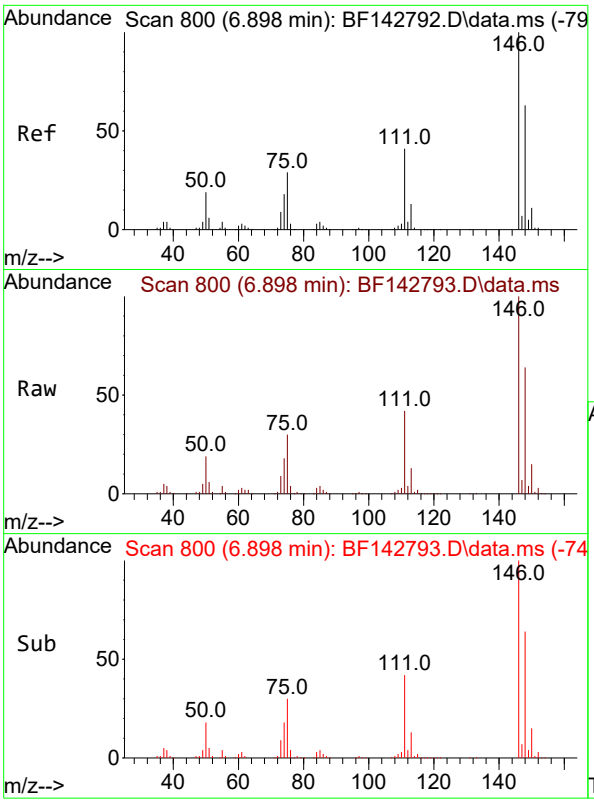


#12
1,3-Dichlorobenzene
Concen: 51.598 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:146 Resp: 262098

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.1	76.7
75	29.9	22.7	34.1



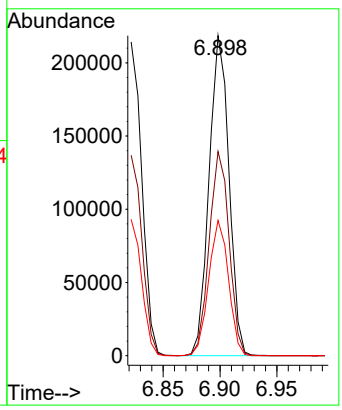


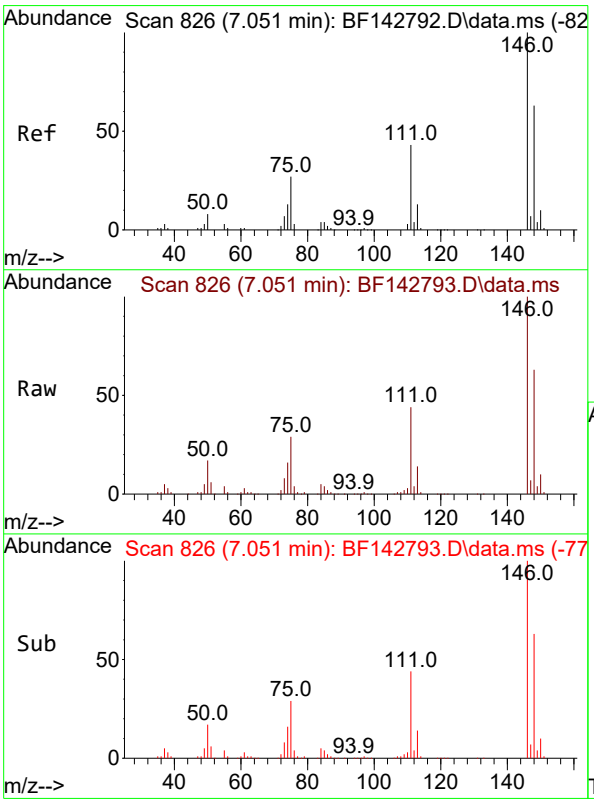
#13
1,4-Dichlorobenzene
Concen: 51.685 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 266098

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.2	75.2
111	42.2	33.2	49.8

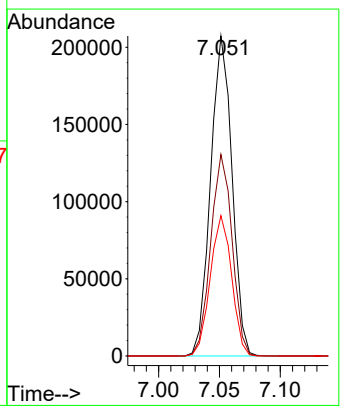


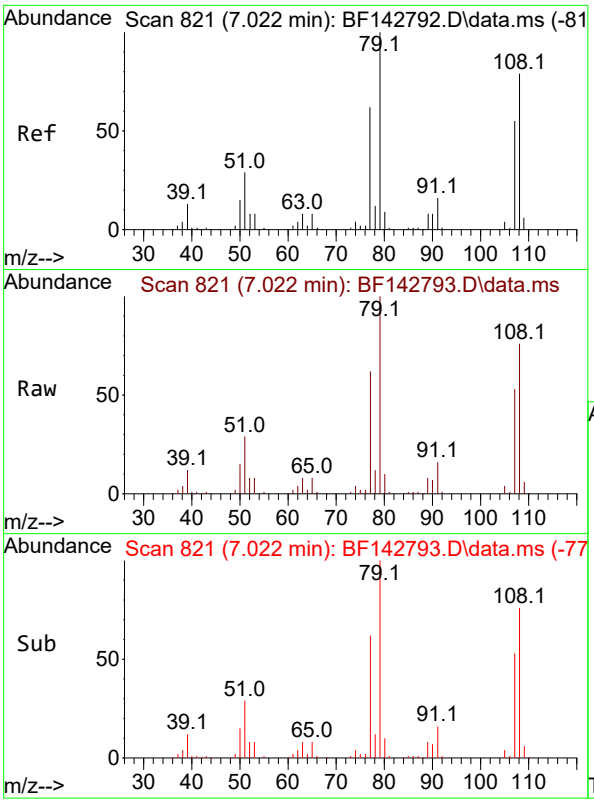


#14
1,2-Dichlorobenzene
Concen: 51.487 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:146 Resp: 253411

Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.4	75.6
111	43.9	34.1	51.1



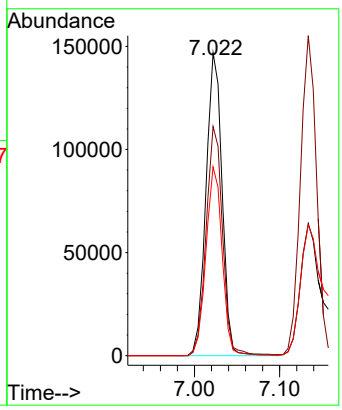


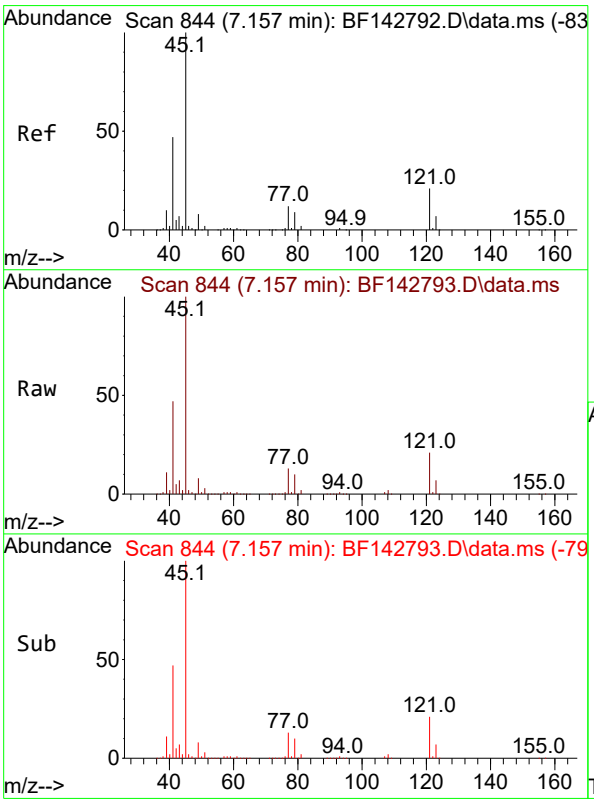
#15
Benzyl Alcohol
Concen: 53.677 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 193284

Ion	Ratio	Lower	Upper
79	100		
108	75.6	63.4	95.0
77	62.4	49.5	74.3

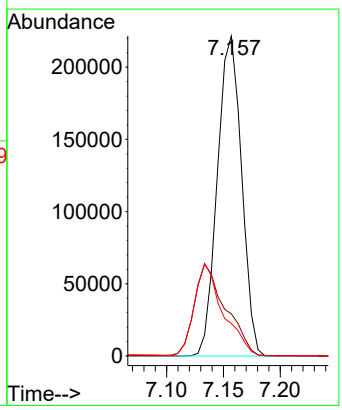


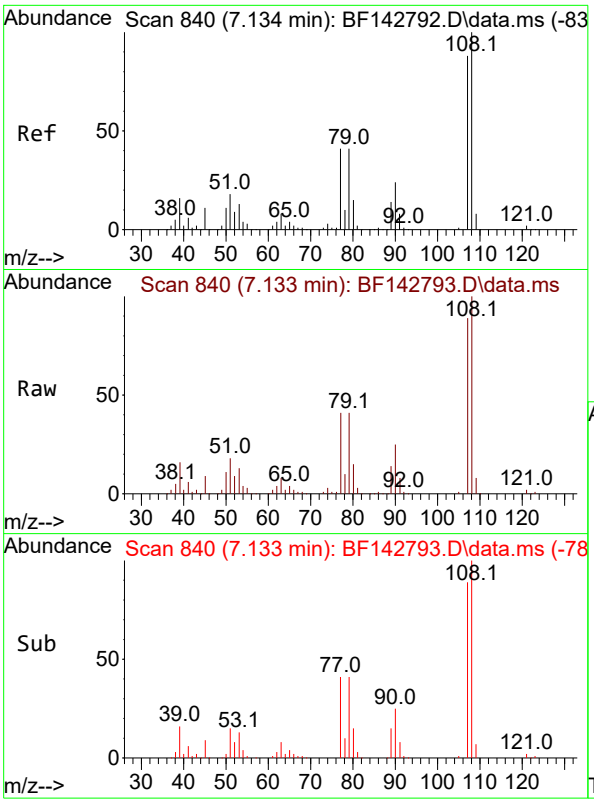


#16
2,2'-oxybis(1-Chloropropane)
Concen: 52.354 ng
RT: 7.157 min Scan# 844
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion: 45 Resp: 328251

Ion	Ratio	Lower	Upper
45	100		
77	13.1	0.0	32.8
79	10.2	0.0	29.8



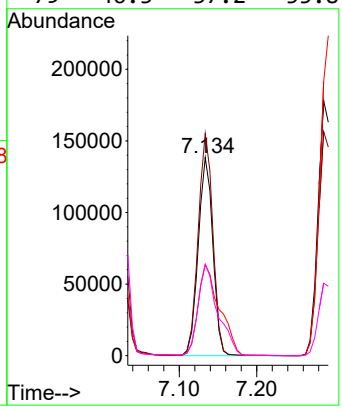


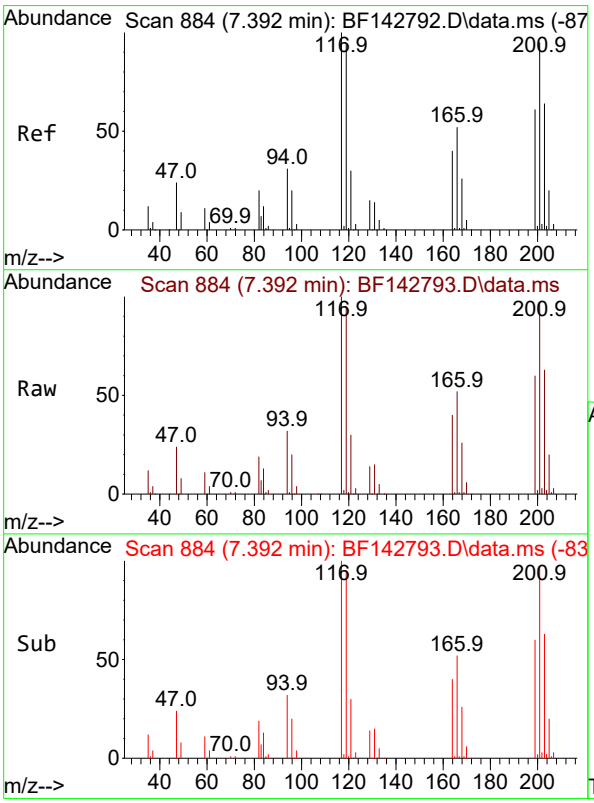
#17
2-Methylphenol
Concen: 53.415 ng
RT: 7.133 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 182167

Ion	Ratio	Lower	Upper
107	100		
108	112.2	90.9	136.3
77	45.9	37.3	55.9
79	46.3	37.2	55.8

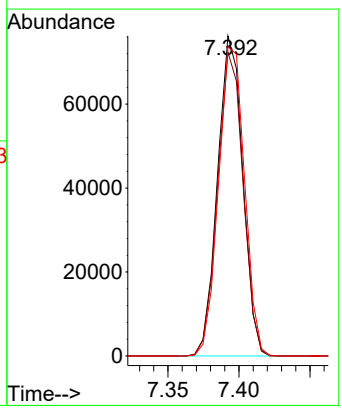


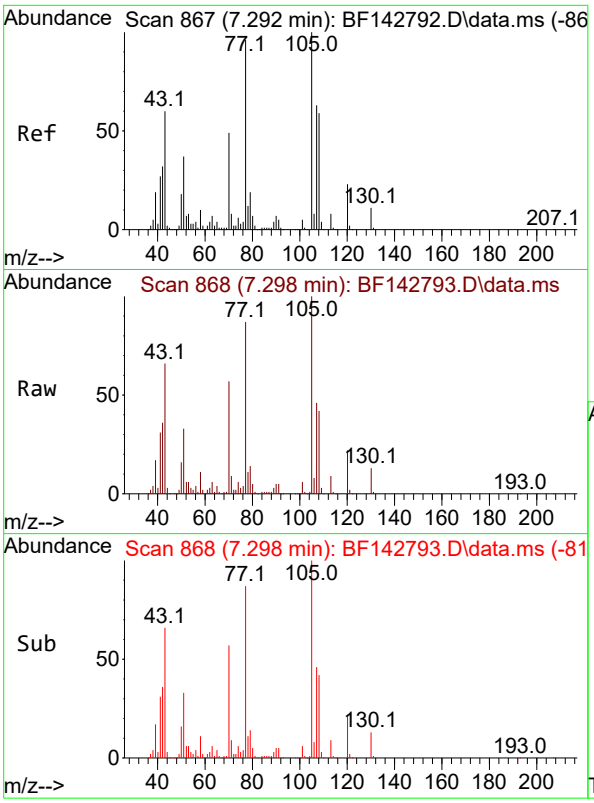


#18
Hexachloroethane
Concen: 51.126 ng
RT: 7.392 min Scan# 884
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:117 Resp: 94097

Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.4	113.0
201	96.6	75.9	113.9



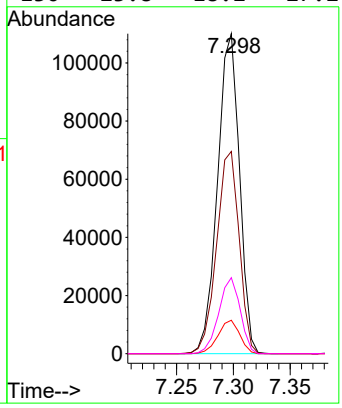


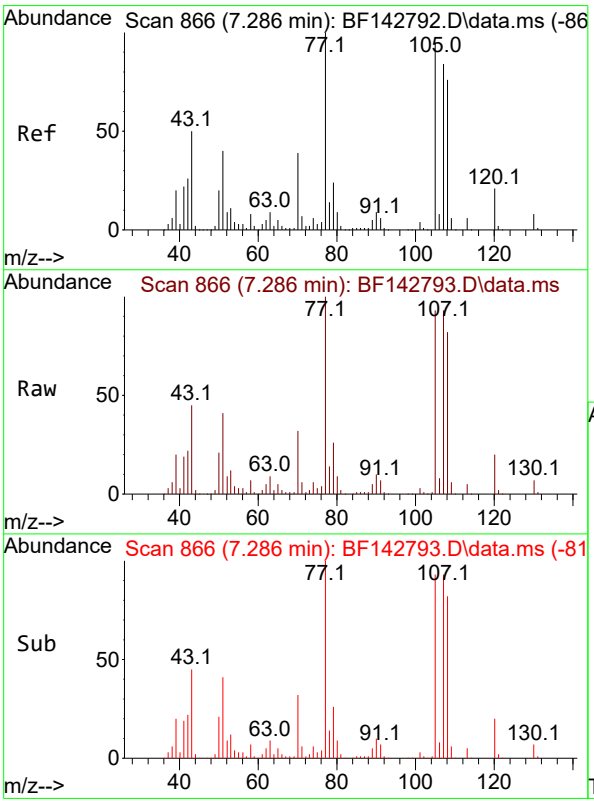
#19
n-Nitroso-di-n-propylamine
Concen: 48.753 ng
RT: 7.298 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 147905

Ion	Ratio	Lower	Upper
70	100		
42	63.2	52.1	78.1
101	10.4	8.2	12.2
130	23.8	18.2	27.2

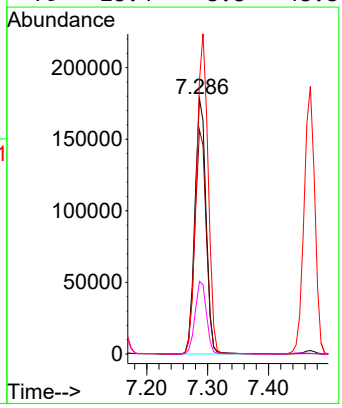


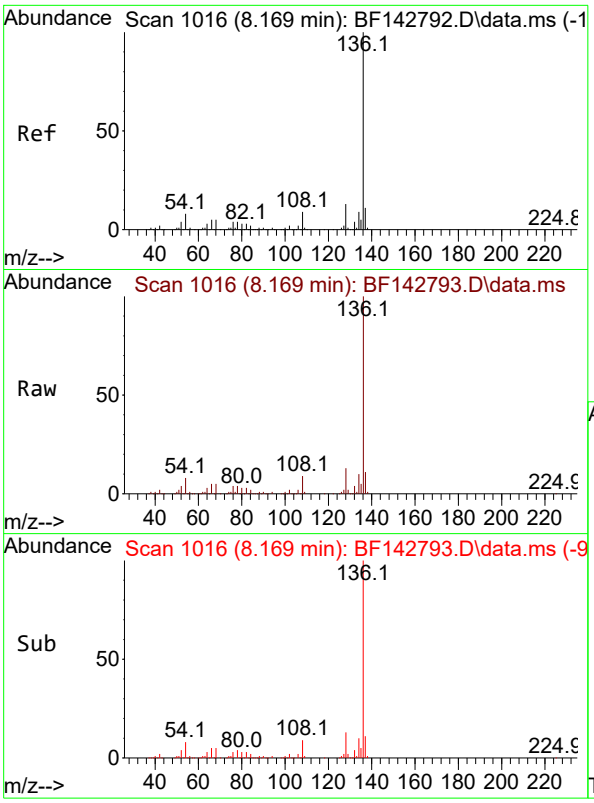


#20
3+4-Methylphenols
Concen: 53.390 ng
RT: 7.286 min Scan# 866
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:107 Resp: 229169

Ion	Ratio	Lower	Upper
107	100		
108	87.9	70.0	110.0
77	107.3	98.5	138.5
79	28.4	8.8	48.8



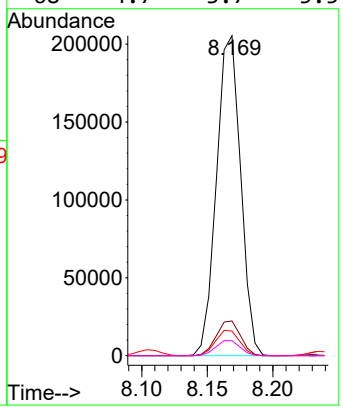


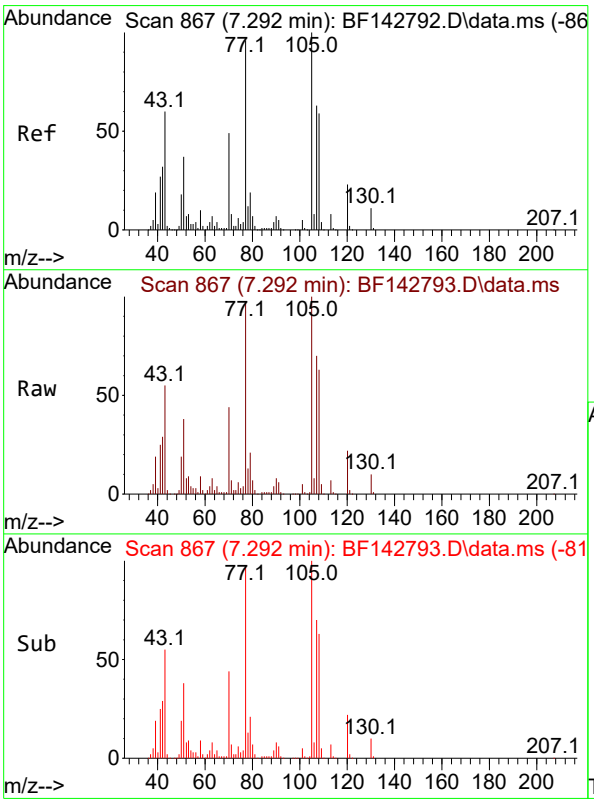
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 262911

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	7.7	6.3	9.5
68	4.7	3.7	5.5

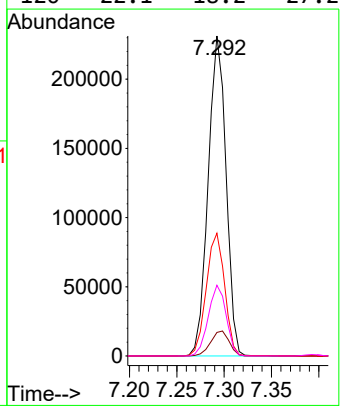


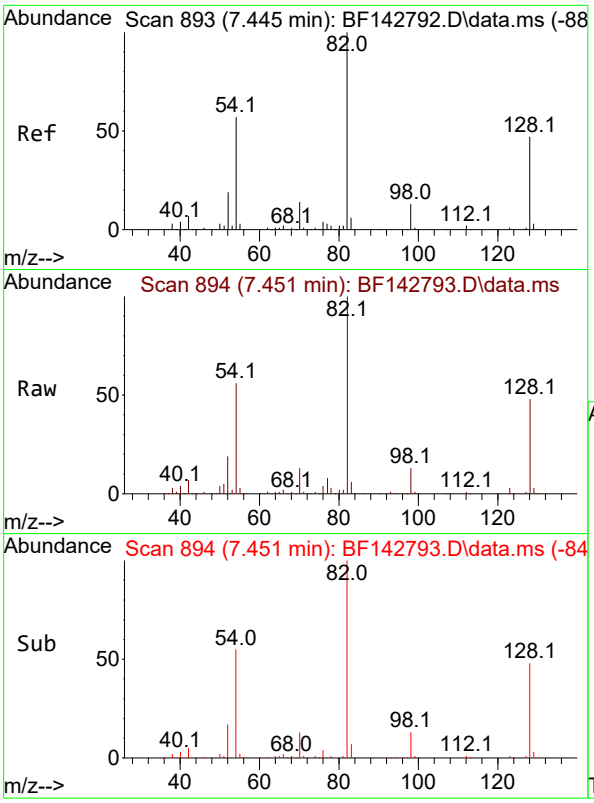


#22
Acetophenone
Concen: 52.102 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:105 Resp: 303087

Ion	Ratio	Lower	Upper
105	100		
71	7.4	6.5	9.7
51	38.4	29.8	44.8
120	22.1	18.2	27.2



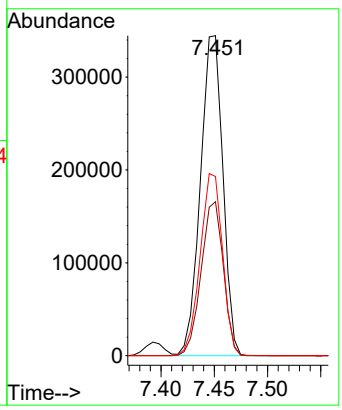


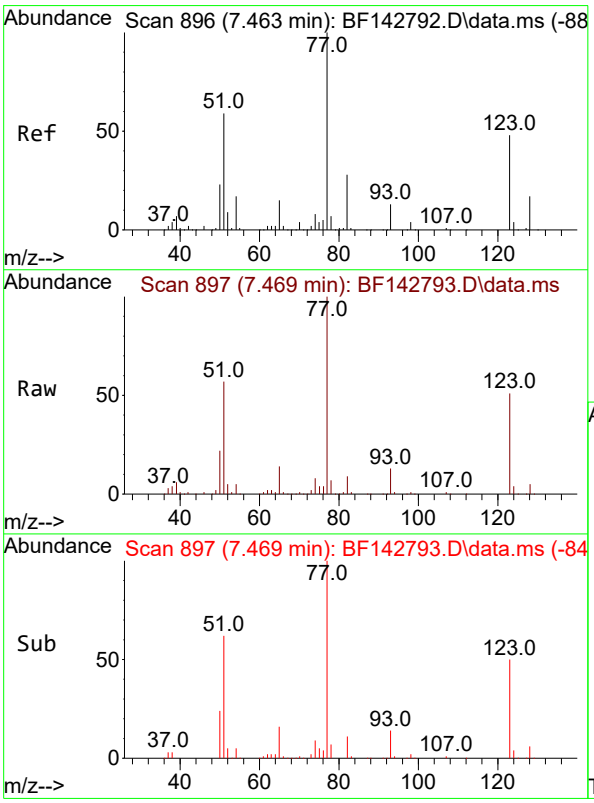
#23
Nitrobenzene-d5
Concen: 105.669 ng
RT: 7.451 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 506846

Ion	Ratio	Lower	Upper
82	100		
128	48.1	37.7	56.5
54	56.0	45.7	68.5

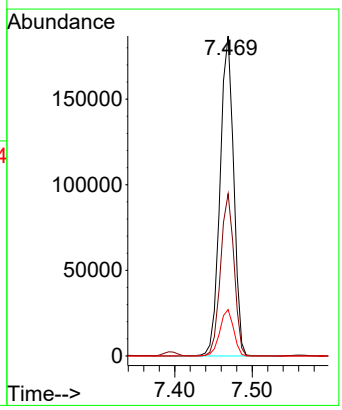


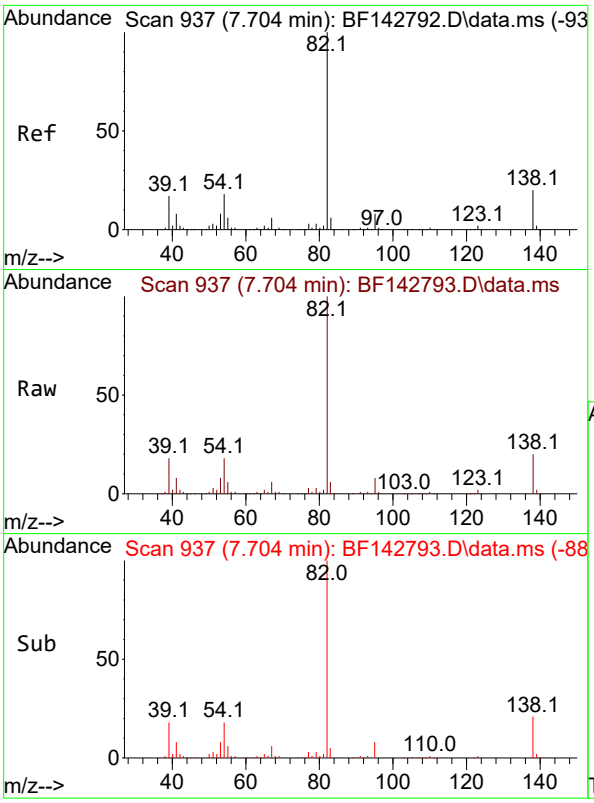


#24
Nitrobenzene
Concen: 53.773 ng
RT: 7.469 min Scan# 897
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion: 77 Resp: 229219

Ion	Ratio	Lower	Upper
77	100		
123	50.7	39.2	58.8
65	14.5	11.6	17.4



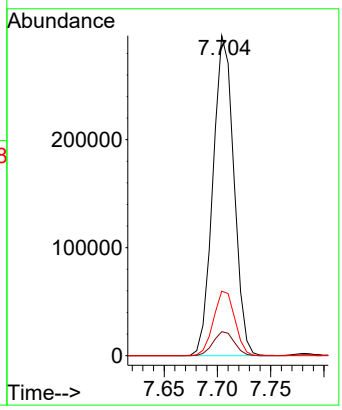


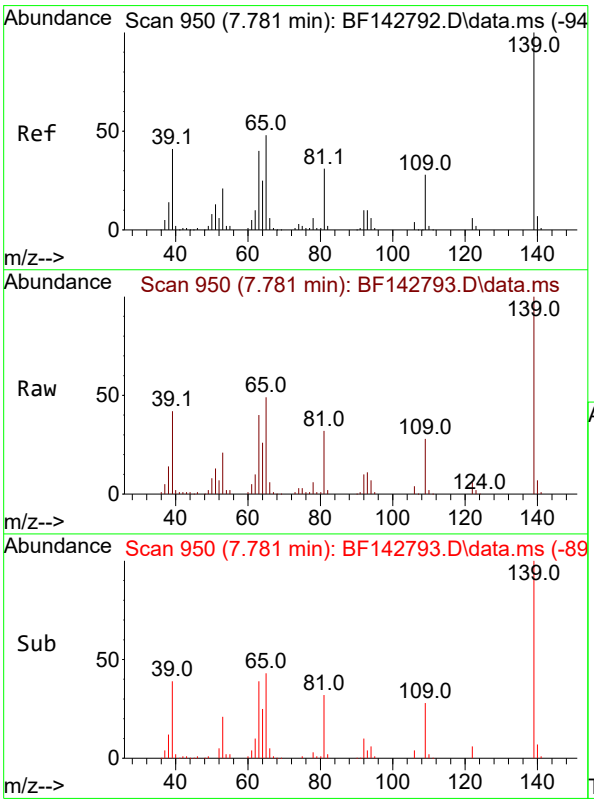
#25
Isophorone
Concen: 50.334 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 404886

Ion	Ratio	Lower	Upper
82	100		
95	7.5	6.2	9.2
138	20.2	16.2	24.4

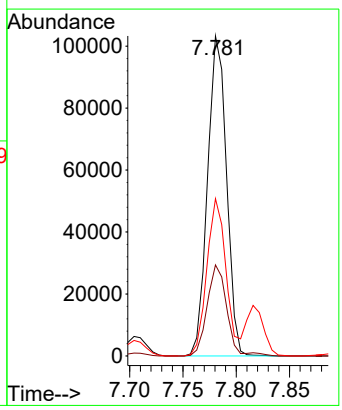


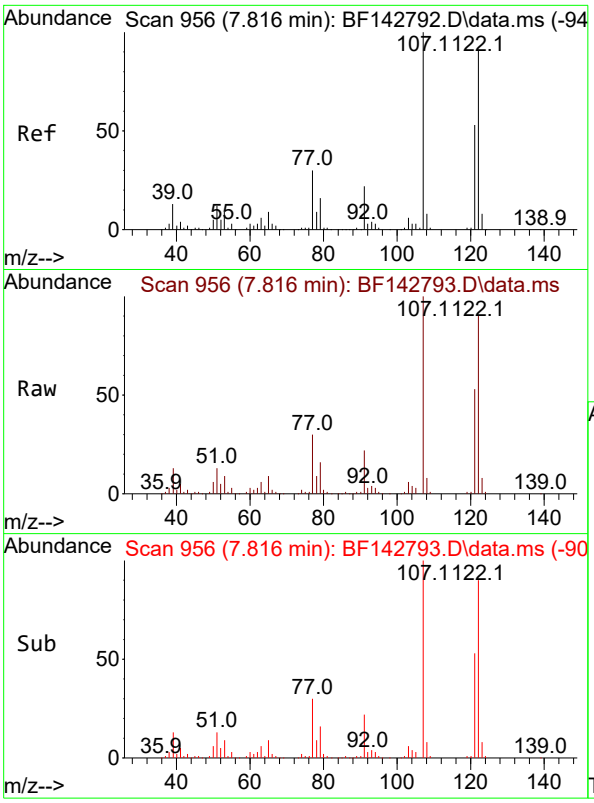


#26
2-Nitrophenol
Concen: 53.795 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:139 Resp: 127773

Ion	Ratio	Lower	Upper
139	100		
109	28.5	22.7	34.1
65	49.1	38.6	58.0



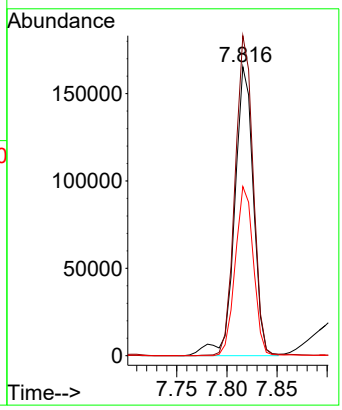


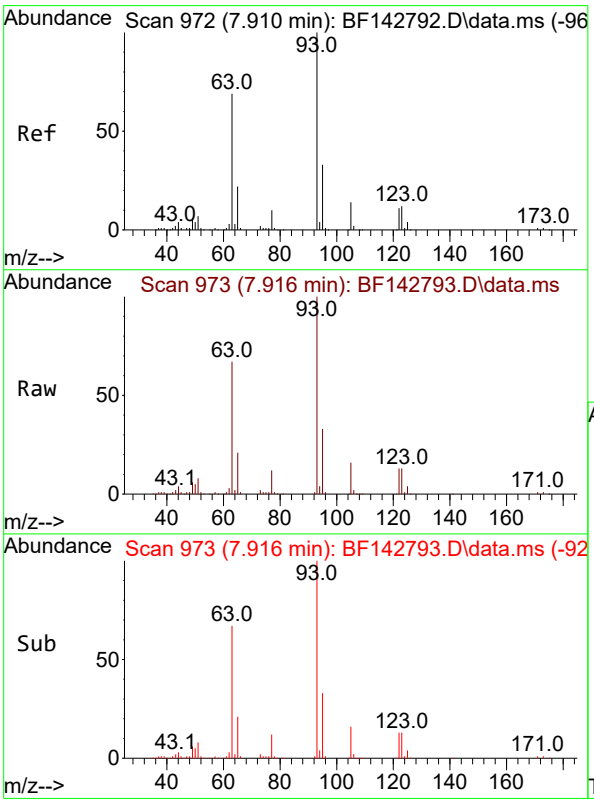
#27
2,4-Dimethylphenol
Concen: 53.466 ng
RT: 7.816 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 216204

Ion	Ratio	Lower	Upper
122	100		
107	110.8	88.0	132.0
121	58.5	46.3	69.5

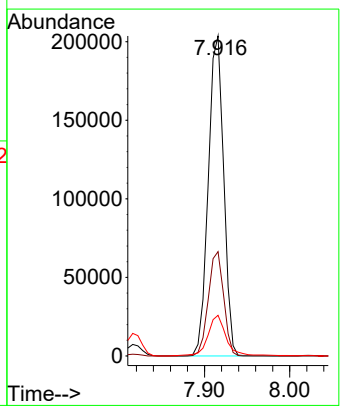


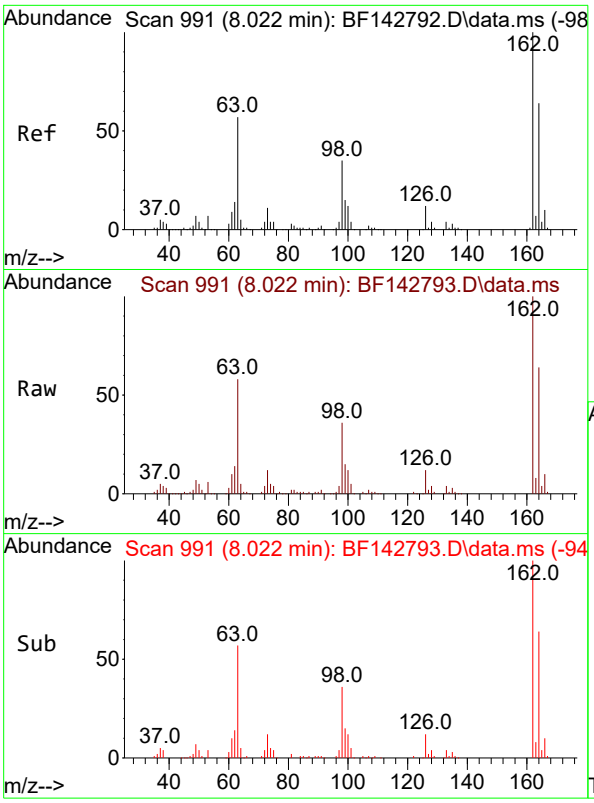


#28
bis(2-Chloroethoxy)methane
Concen: 51.148 ng
RT: 7.916 min Scan# 973
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion: 93 Resp: 256119

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.2
123	12.7	9.9	14.9



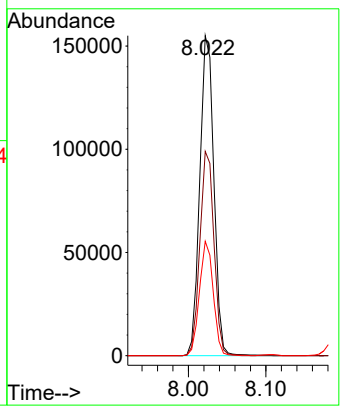


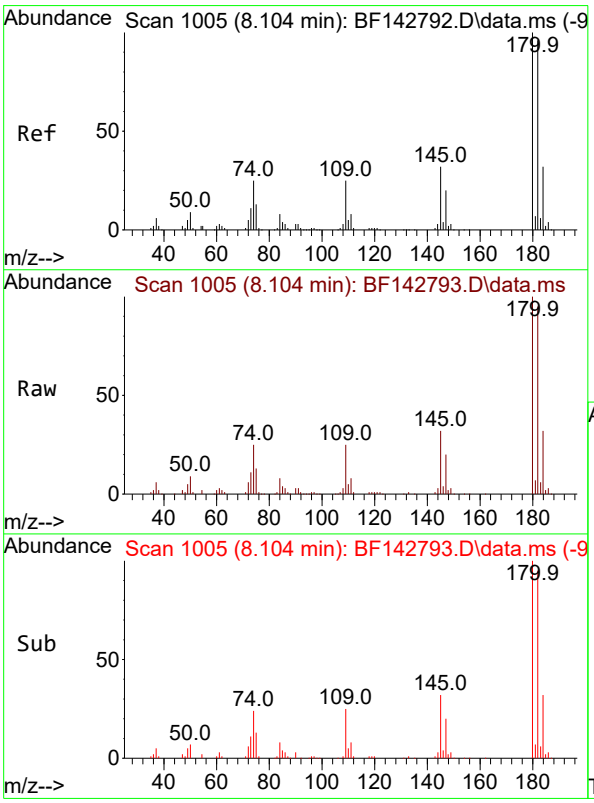
#29
2,4-Dichlorophenol
Concen: 52.478 ng
RT: 8.022 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 195589

Ion	Ratio	Lower	Upper
162	100		
164	63.8	44.0	84.0
98	35.8	15.4	55.4

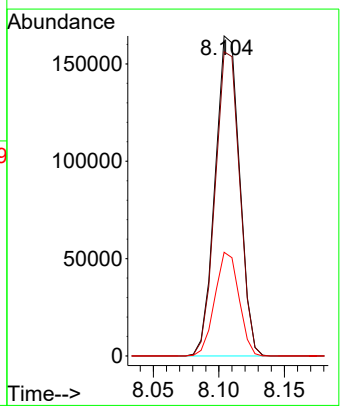


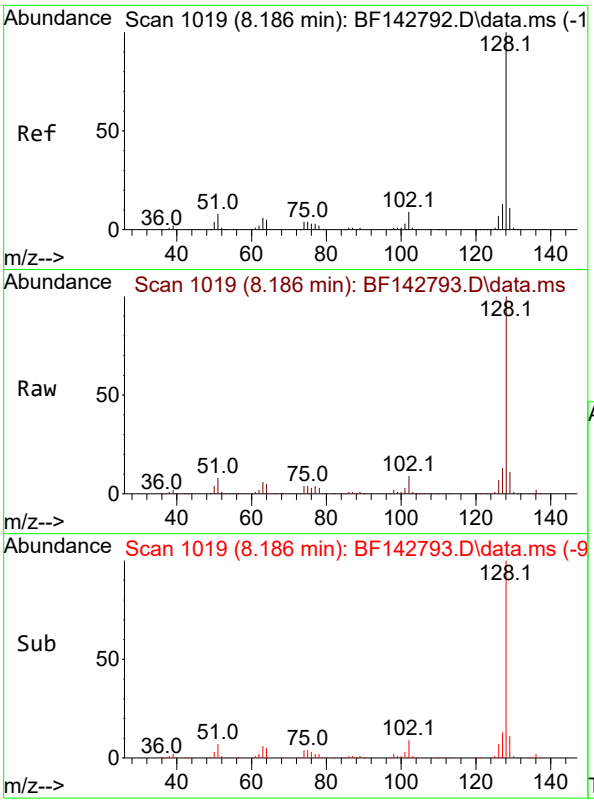


#30
1,2,4-Trichlorobenzene
Concen: 51.763 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:180 Resp: 213118

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.4	114.6
145	32.4	25.8	38.8



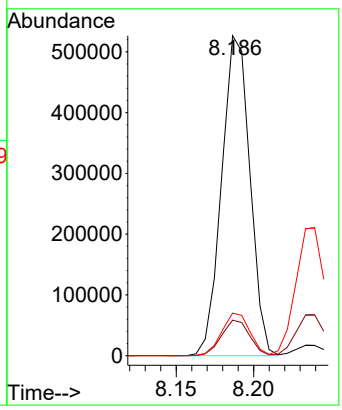


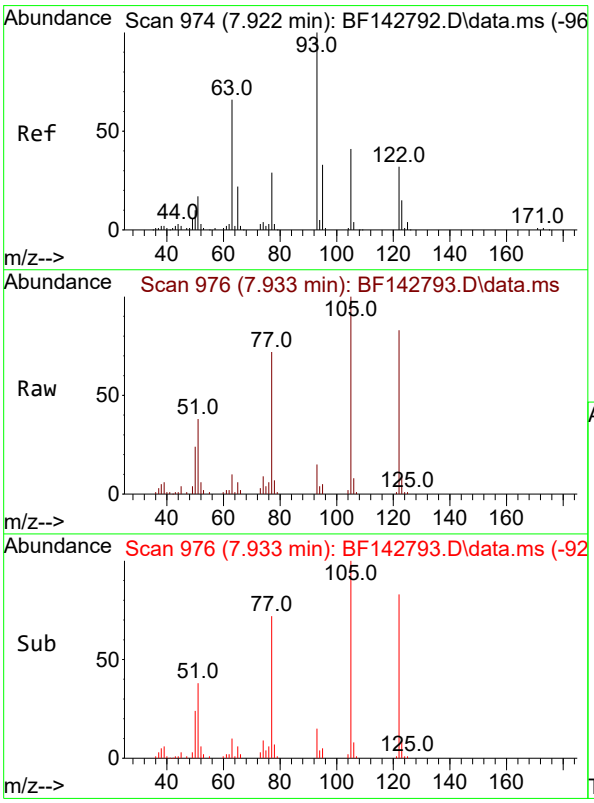
#31
Naphthalene
Concen: 51.717 ng
RT: 8.186 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 668713

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.3	10.4	15.6

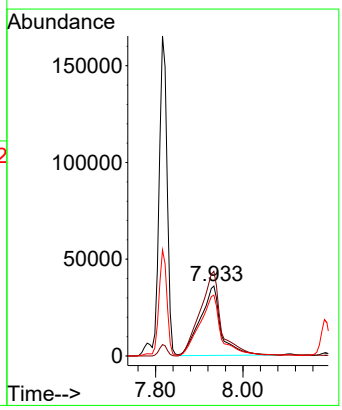


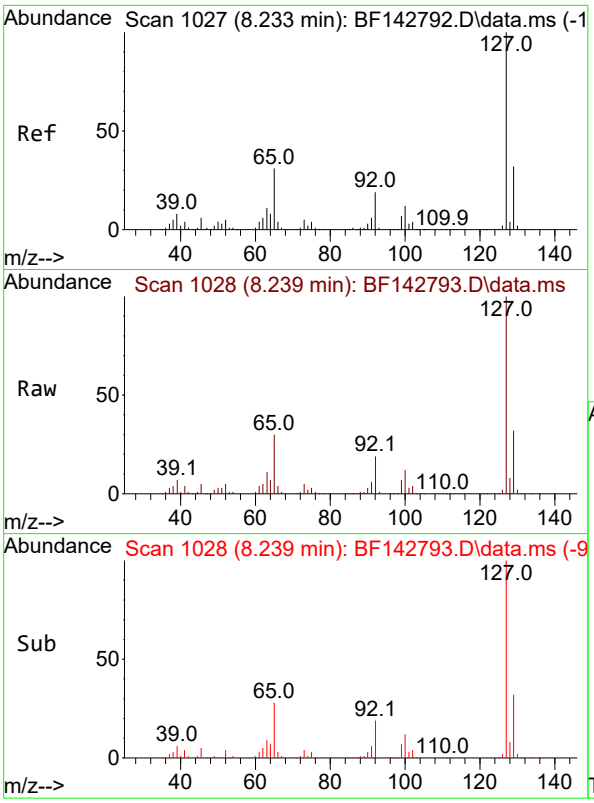


#32
Benzoic acid
Concen: 53.128 ng
RT: 7.933 min Scan# 976
Delta R.T. 0.012 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:122 Resp: 119196

Ion	Ratio	Lower	Upper
122	100		
105	121.1	104.7	144.7
77	87.0	70.2	110.2



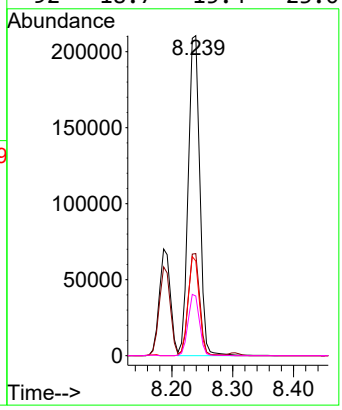


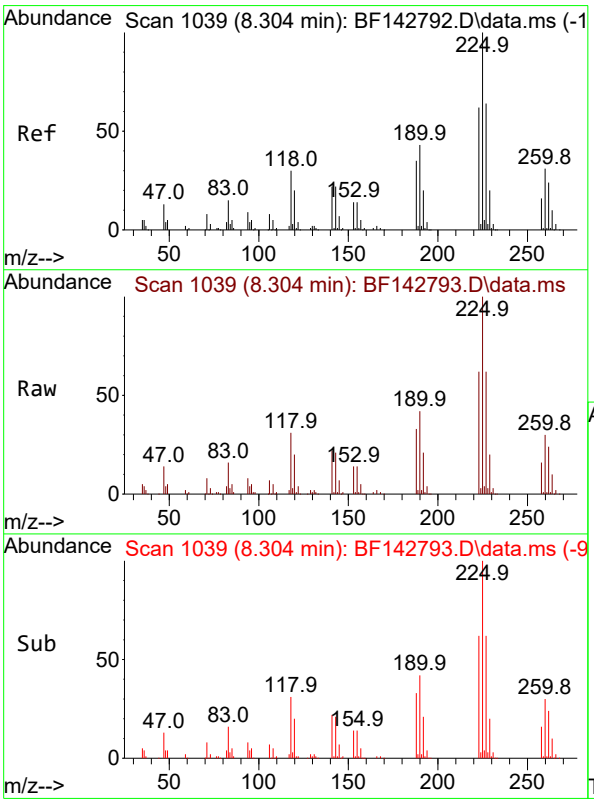
#33
4-Chloroaniline
Concen: 53.347 ng
RT: 8.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 276441

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.9	38.9
65	29.6	24.6	36.8
92	18.7	15.4	23.0

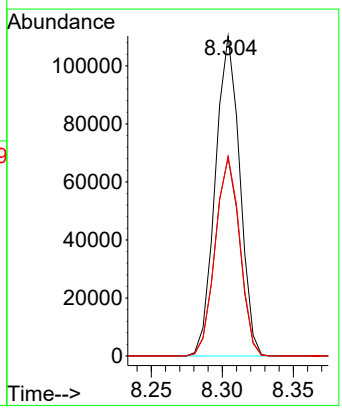


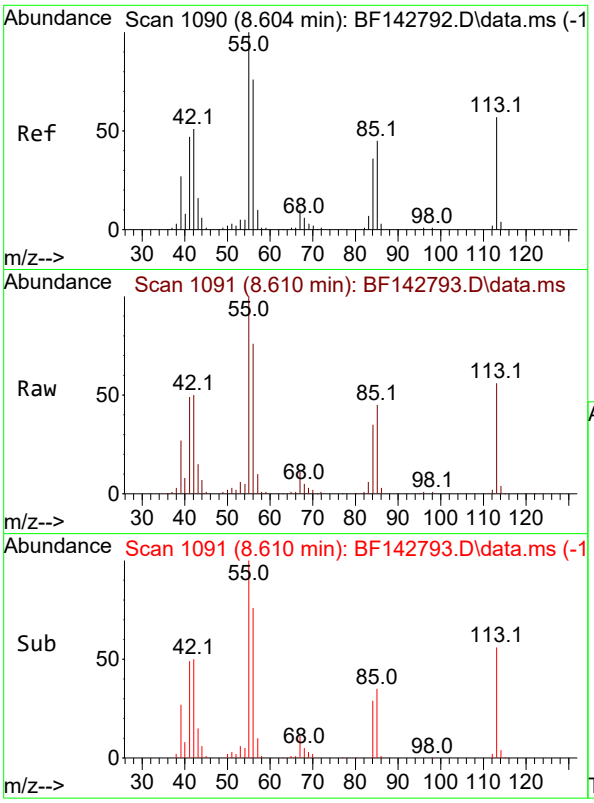


#34
Hexachlorobutadiene
Concen: 50.481 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:225 Resp: 131697

Ion	Ratio	Lower	Upper
225	100		
223	62.0	49.9	74.9
227	62.4	51.4	77.0



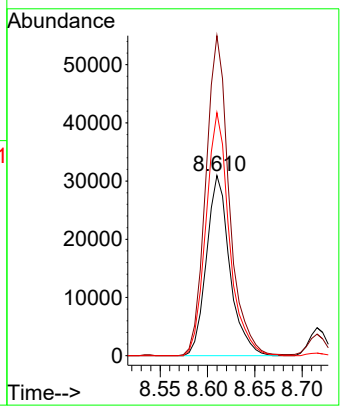


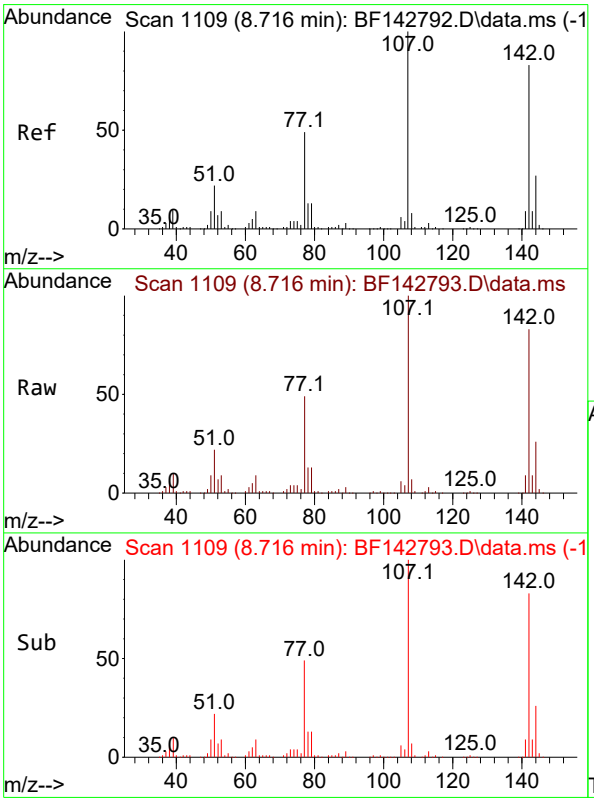
#35
Caprolactam
Concen: 52.873 ng
RT: 8.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 53024

Ion	Ratio	Lower	Upper
113	100		
55	177.6	154.4	194.4
56	134.9	112.1	152.1

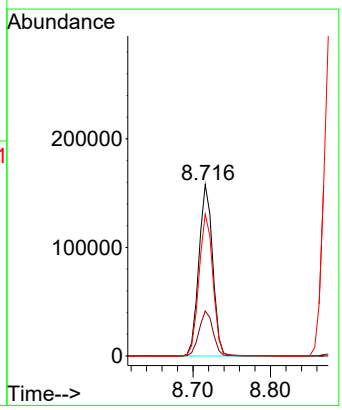


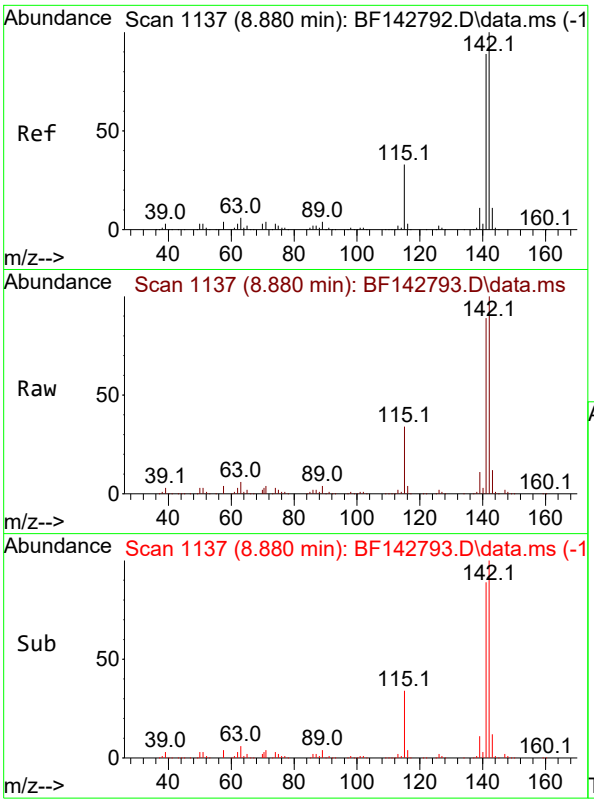


#36
4-Chloro-3-methylphenol
Concen: 50.843 ng
RT: 8.716 min Scan# 1109
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:107 Resp: 195744

Ion	Ratio	Lower	Upper
107	100		
144	26.3	21.3	31.9
142	82.9	66.6	100.0



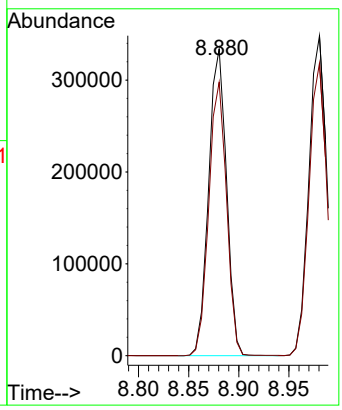


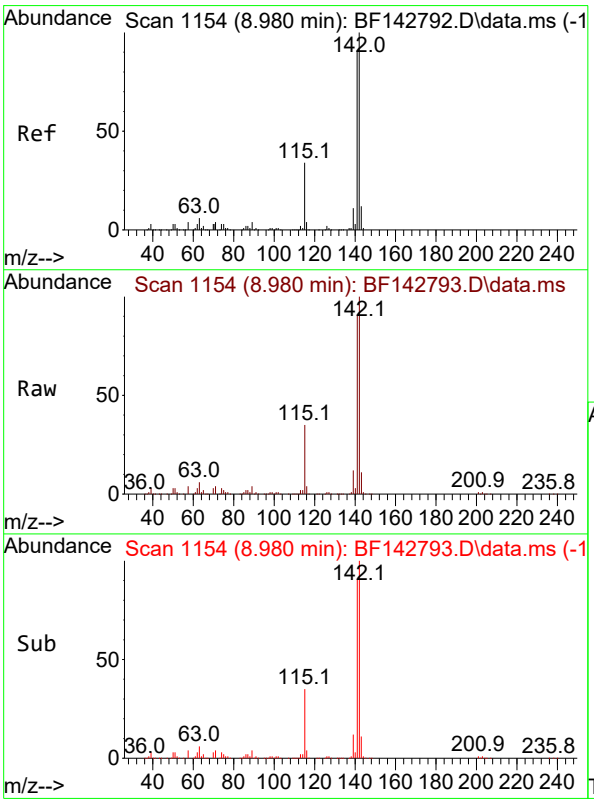
#37
2-Methylnaphthalene
Concen: 50.859 ng
RT: 8.880 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 414854

Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.9	106.3

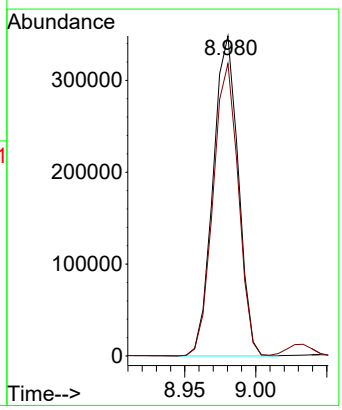


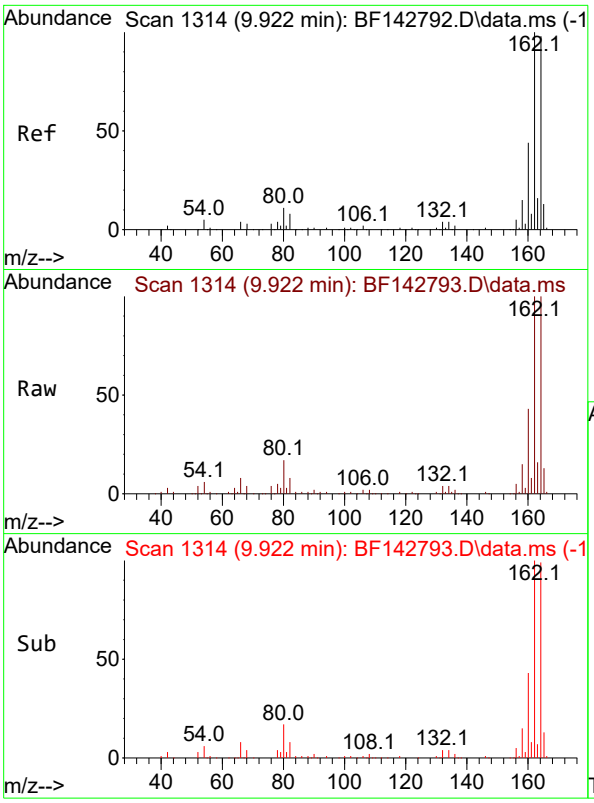


#38
1-Methylnaphthalene
Concen: 50.792 ng
RT: 8.980 min Scan# 1154
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:142 Resp: 430144

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.0	109.4



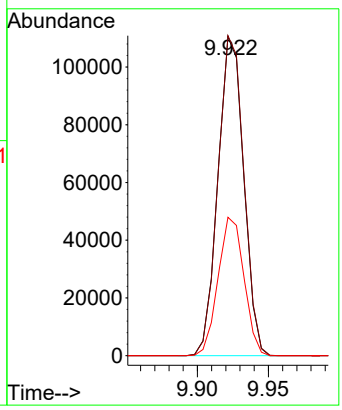


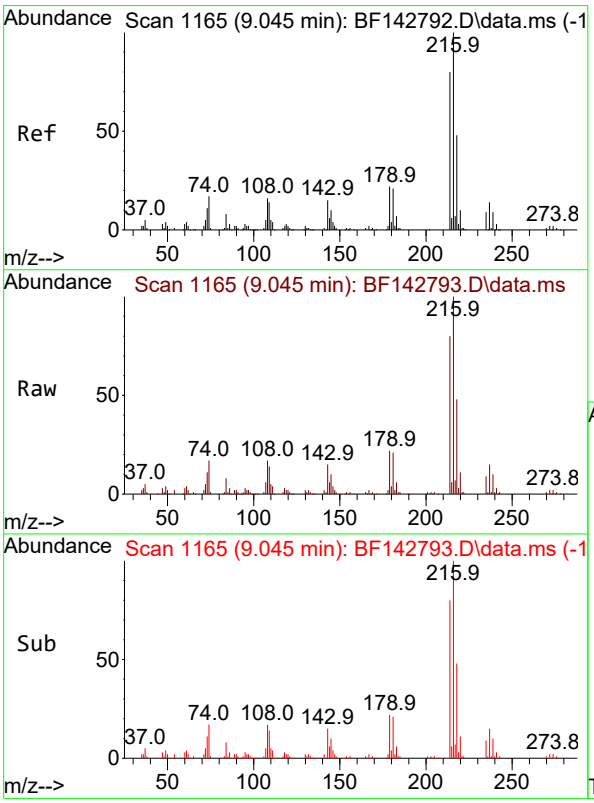
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 139156

Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.8	122.8
160	43.4	36.0	54.0

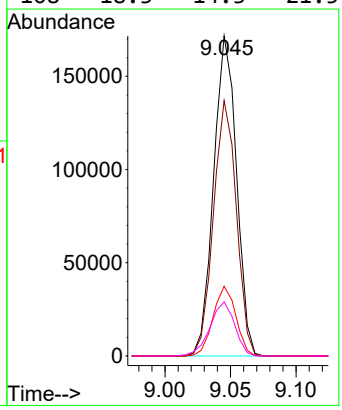


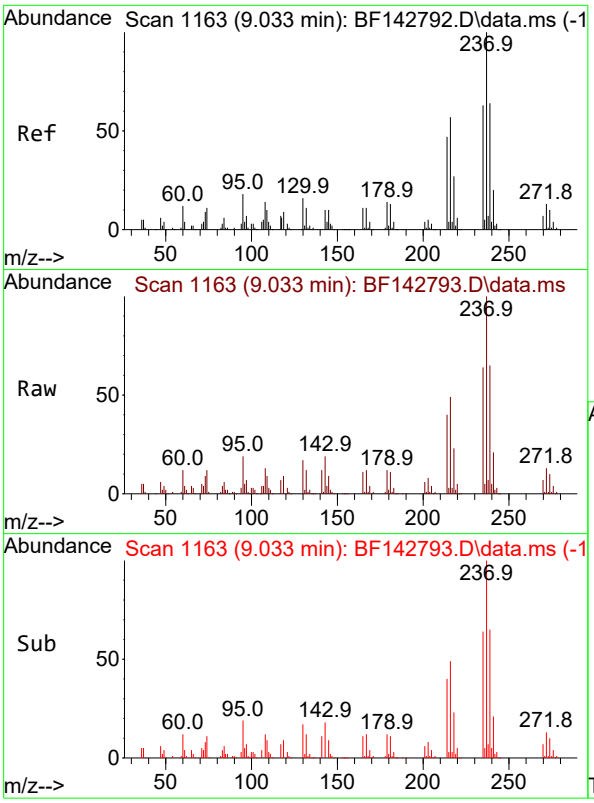


#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.779 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:216 Resp: 207997

Ion	Ratio	Lower	Upper
216	100		
214	79.7	63.7	95.5
179	21.6	17.6	26.4
108	18.3	14.3	21.5



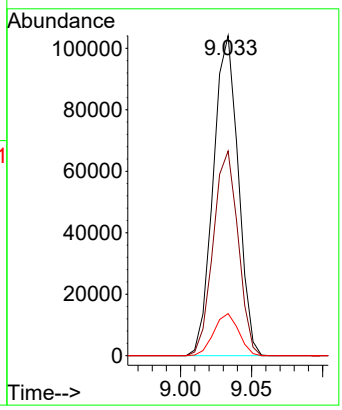


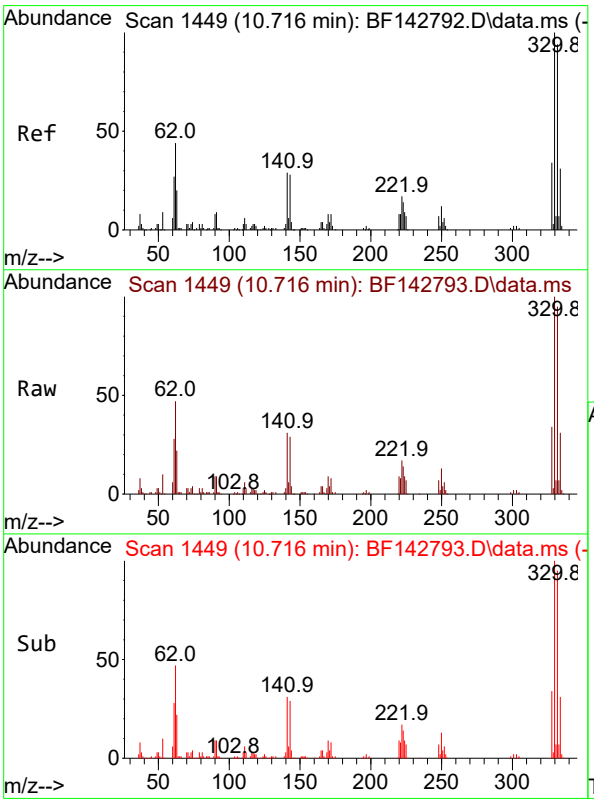
#41
Hexachlorocyclopentadiene
Concen: 50.012 ng
RT: 9.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 127033

Ion	Ratio	Lower	Upper
237	100		
235	64.0	43.4	83.4
272	13.2	0.0	32.7

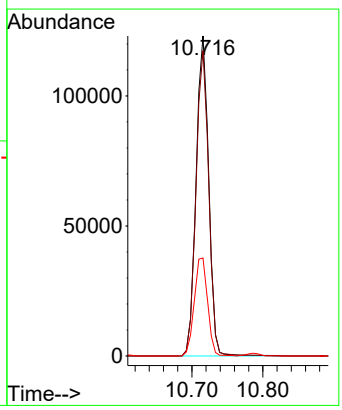


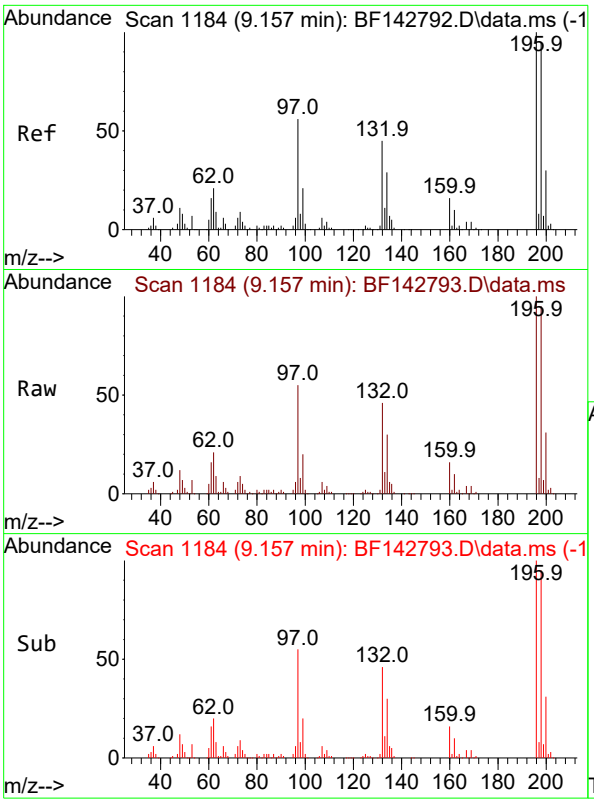


#42
2,4,6-Tribromophenol
Concen: 100.743 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:330 Resp: 152358

Ion	Ratio	Lower	Upper
330	100		
332	96.1	75.0	112.6
141	32.3	25.3	37.9



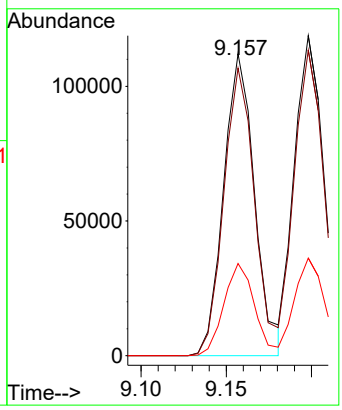


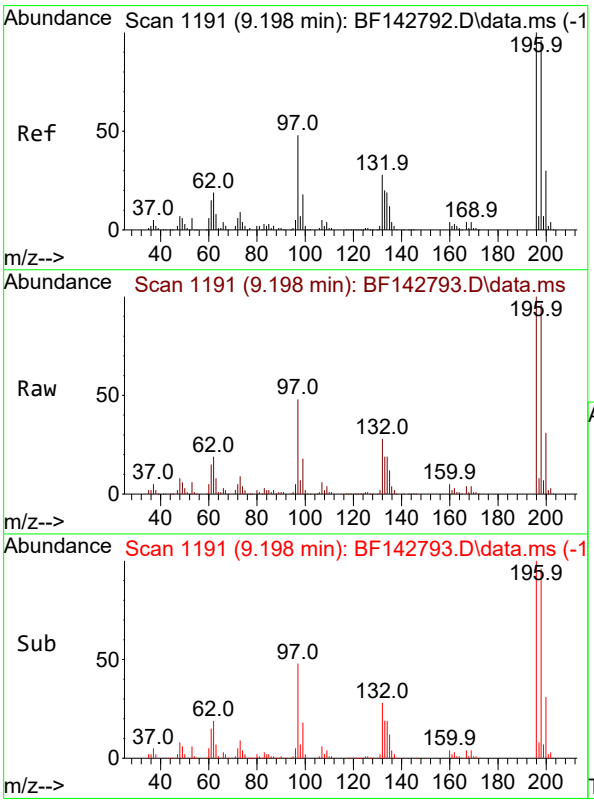
#43
2,4,6-Trichlorophenol
Concen: 54.597 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 141932

Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.2	114.2
200	30.5	24.1	36.1

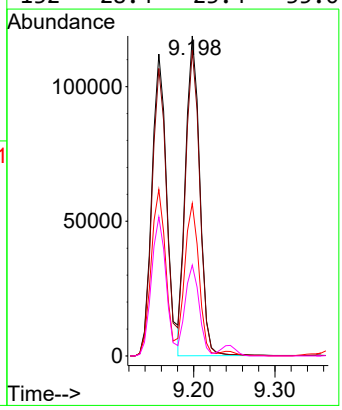


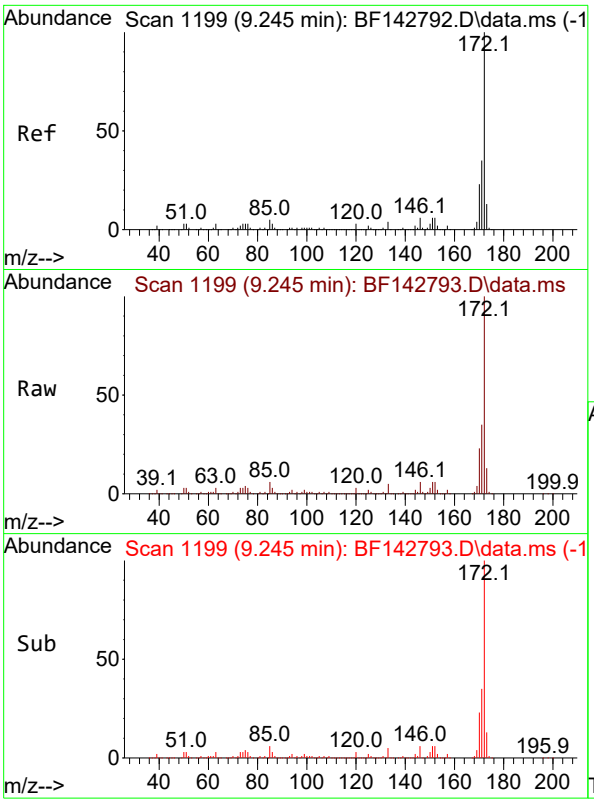


#44
2,4,5-Trichlorophenol
Concen: 51.550 ng
RT: 9.198 min Scan# 1191
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:196 Resp: 144717

Ion	Ratio	Lower	Upper
196	100		
198	95.5	76.6	115.0
97	47.7	38.2	57.2
132	28.4	23.4	35.0



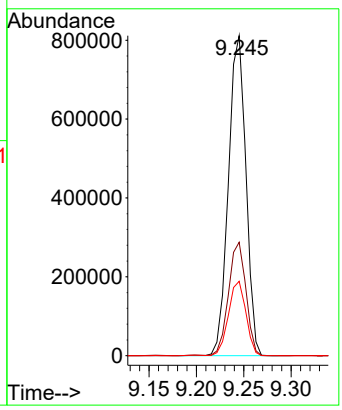


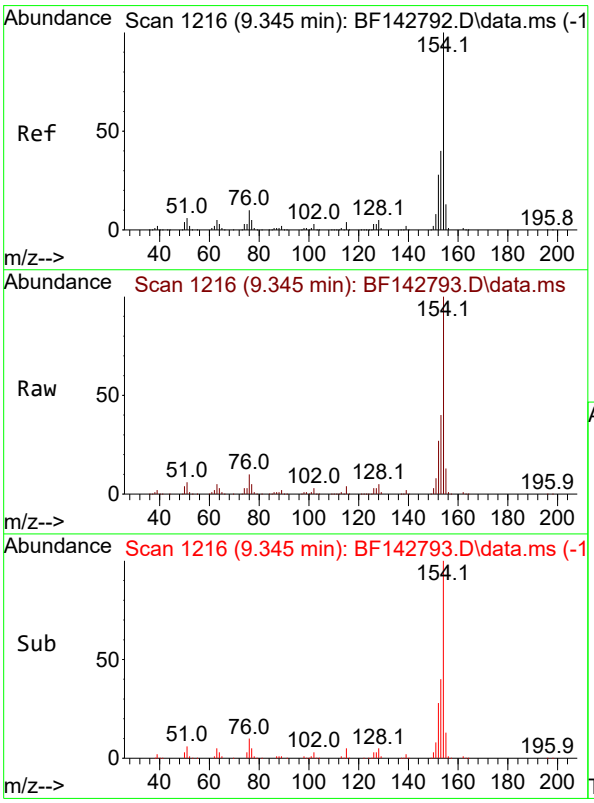
#45
2-Fluorobiphenyl
Concen: 99.755 ng
RT: 9.245 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 1043477

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.2	42.4
170	23.3	18.5	27.7

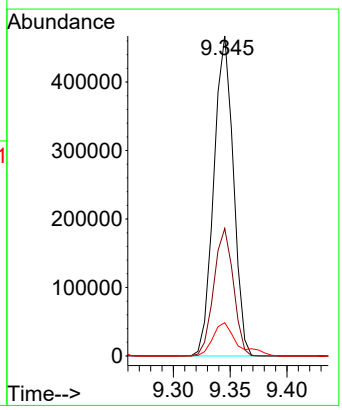


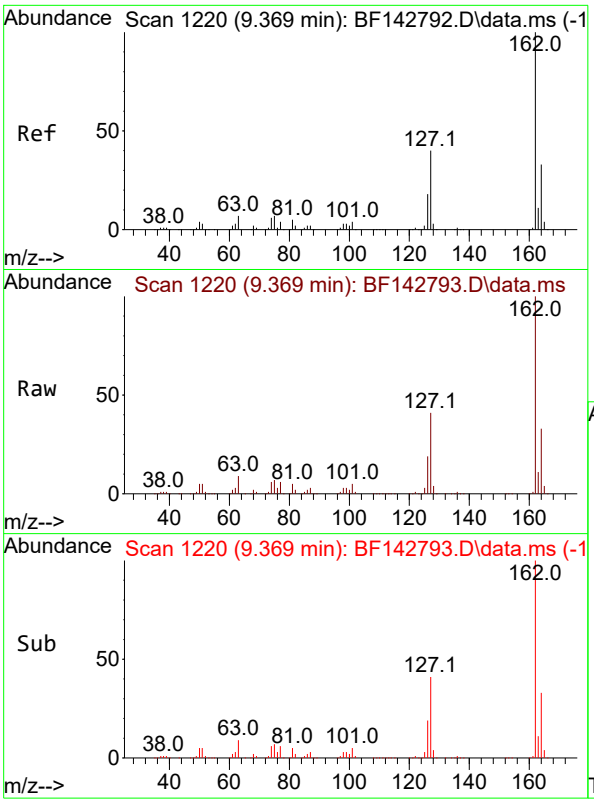


#46
1,1'-Biphenyl
Concen: 51.807 ng
RT: 9.345 min Scan# 1216
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:154 Resp: 559765

Ion	Ratio	Lower	Upper
154	100		
153	39.8	20.3	60.3
76	10.4	0.0	30.3



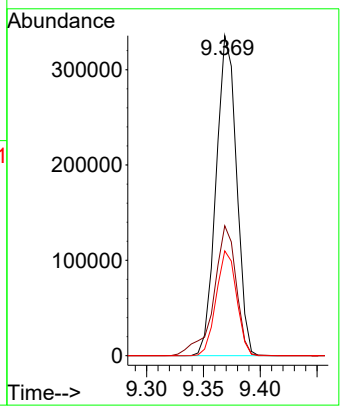


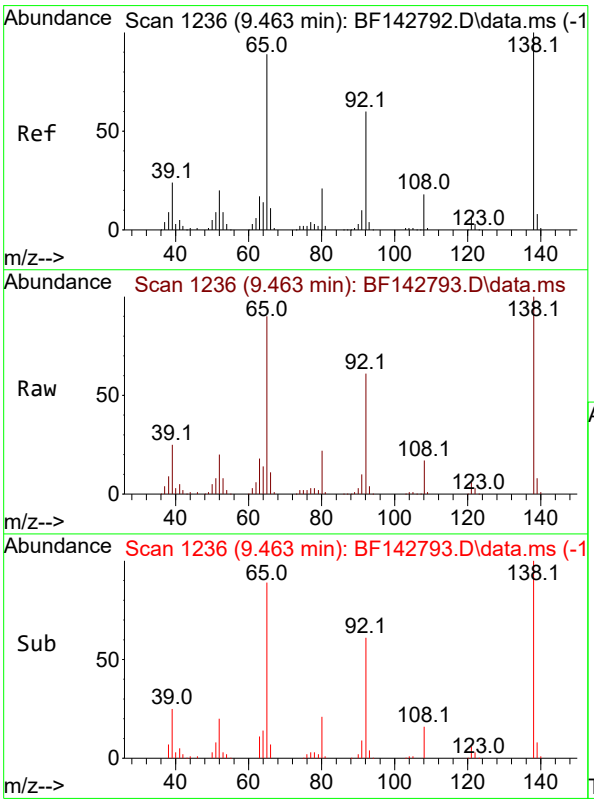
#47
2-Chloronaphthalene
Concen: 52.754 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 420603

Ion	Ratio	Lower	Upper
162	100		
127	40.6	32.2	48.2
164	32.7	26.1	39.1

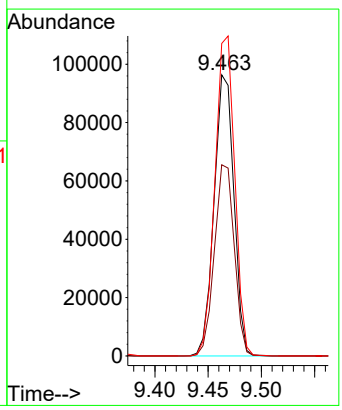


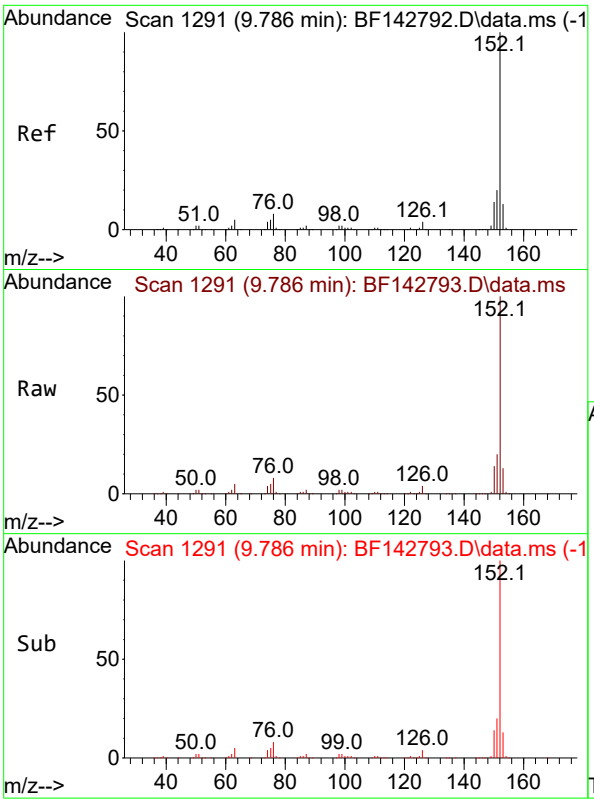


#48
2-Nitroaniline
Concen: 54.955 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion: 65 Resp: 124478

Ion	Ratio	Lower	Upper
65	100		
92	68.0	53.8	80.6
138	111.1	89.6	134.4



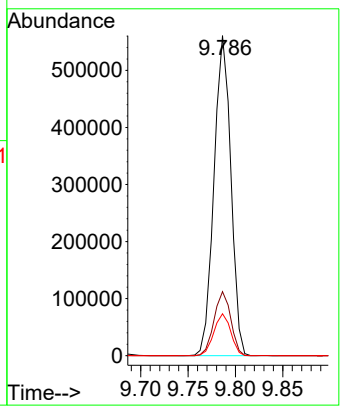


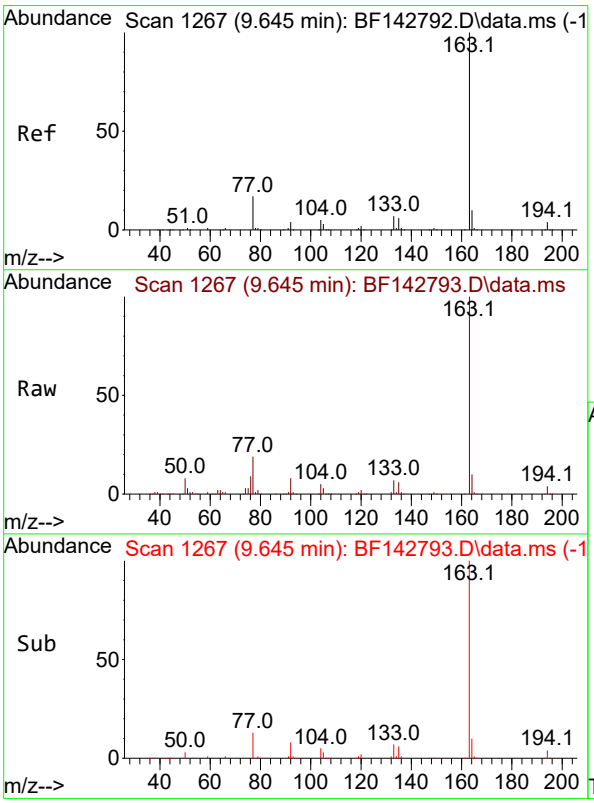
#49
Acenaphthylene
Concen: 51.783 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 694098

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.1	24.1
153	13.1	10.4	15.6

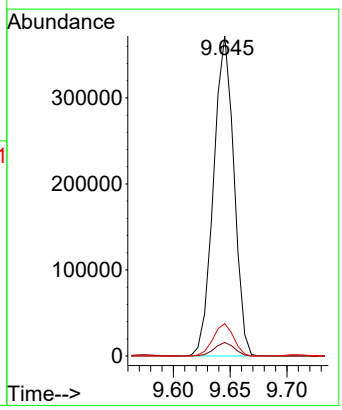


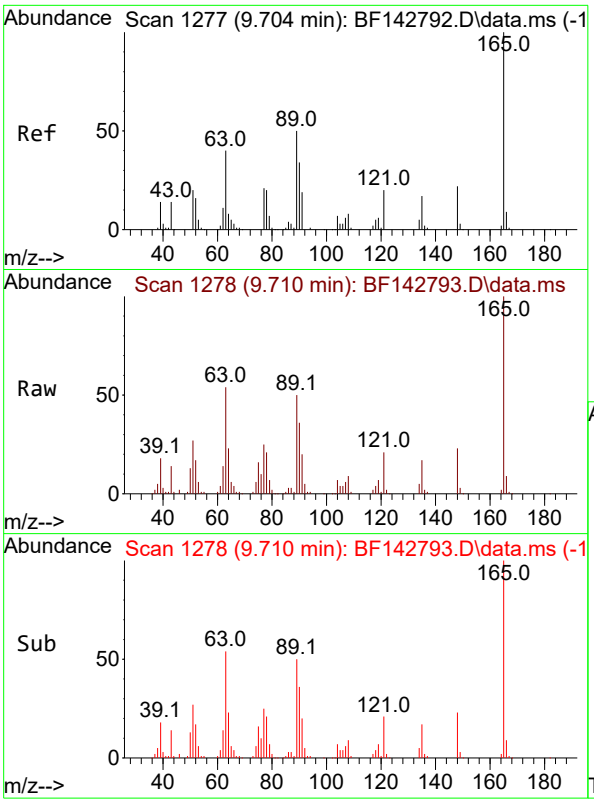


#50
Dimethylphthalate
Concen: 50.308 ng
RT: 9.645 min Scan# 1267
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:163 Resp: 464372

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.1	8.0	12.0



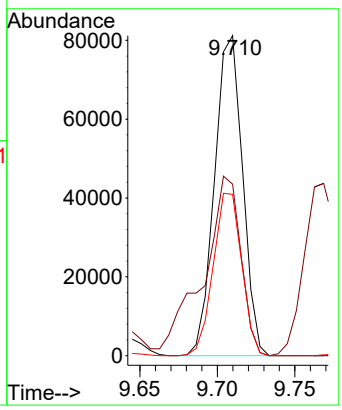


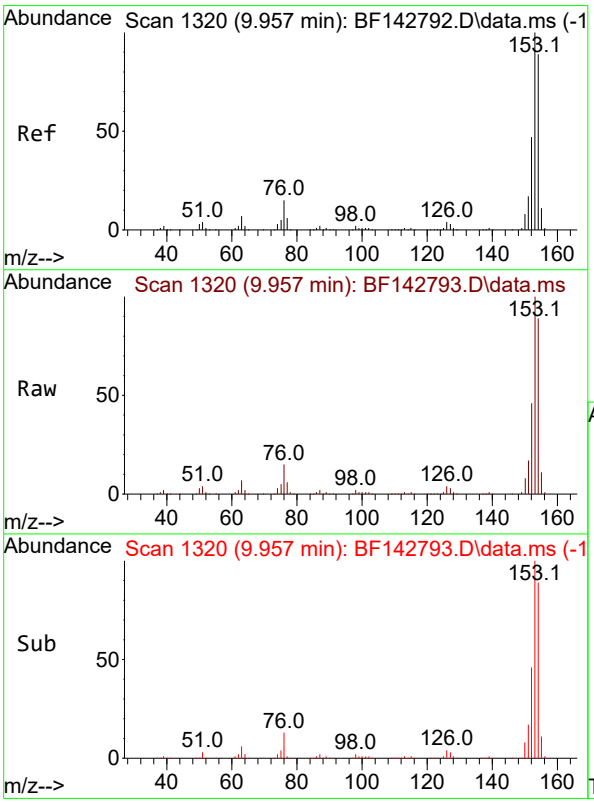
#51
2,6-Dinitrotoluene
Concen: 51.156 ng
RT: 9.710 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 102361

Ion	Ratio	Lower	Upper
165	100		
63	53.6	44.2	66.4
89	50.4	39.8	59.8

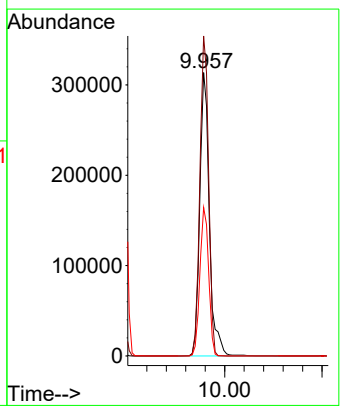


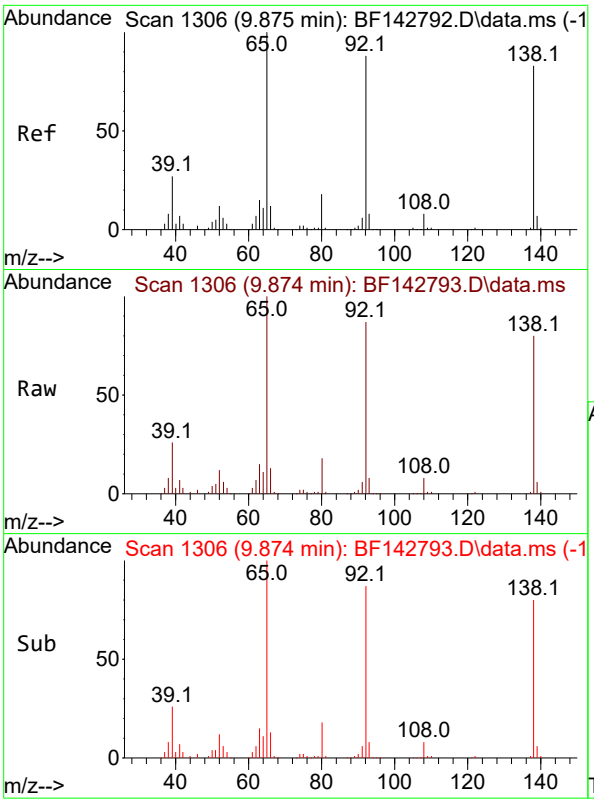


#52
Acenaphthene
Concen: 51.498 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:154 Resp: 427135

Ion	Ratio	Lower	Upper
154	100		
153	112.9	90.0	135.0
152	52.4	41.9	62.9



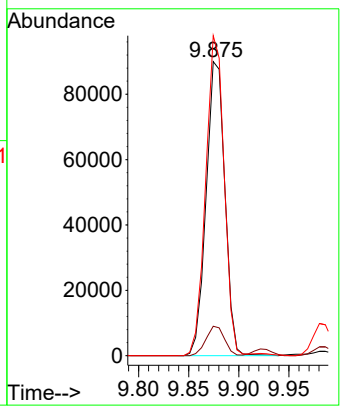


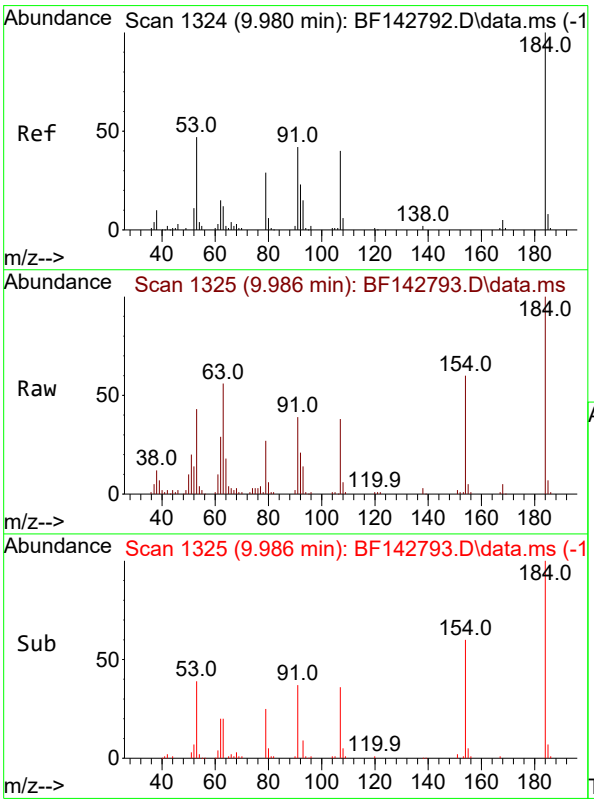
#53
3-Nitroaniline
Concen: 54.038 ng
RT: 9.874 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 117448

Ion	Ratio	Lower	Upper
138	100		
108	10.0	8.1	12.1
92	108.8	85.1	127.7

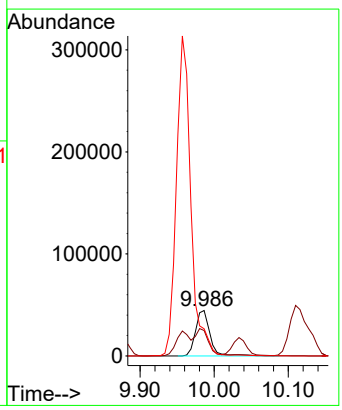


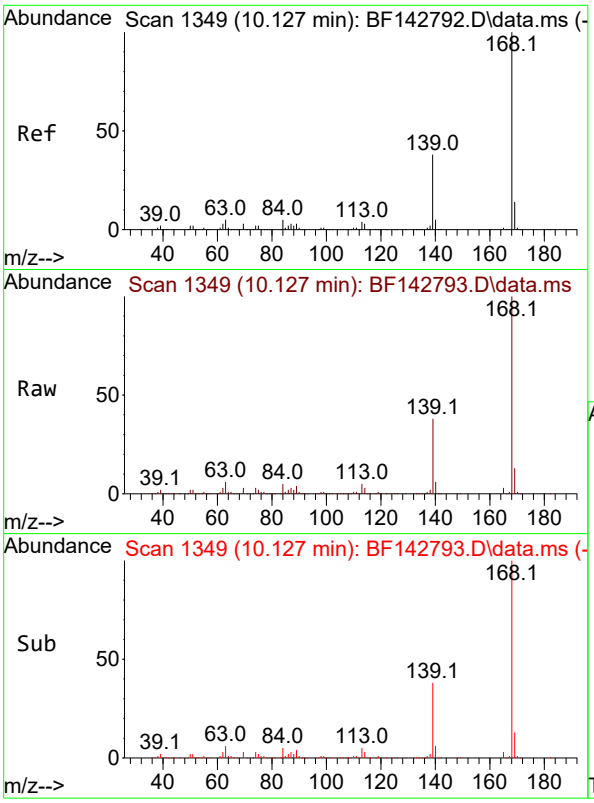


#54
2,4-Dinitrophenol
Concen: 55.696 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:184 Resp: 60308

Ion	Ratio	Lower	Upper
184	100		
63	56.0	50.6	75.8
154	59.9	51.8	77.8



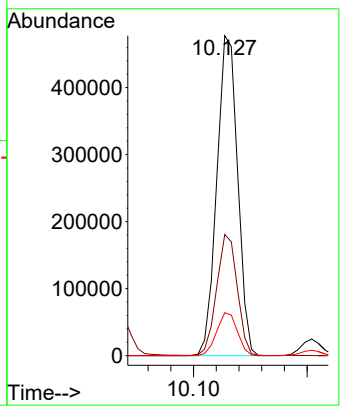


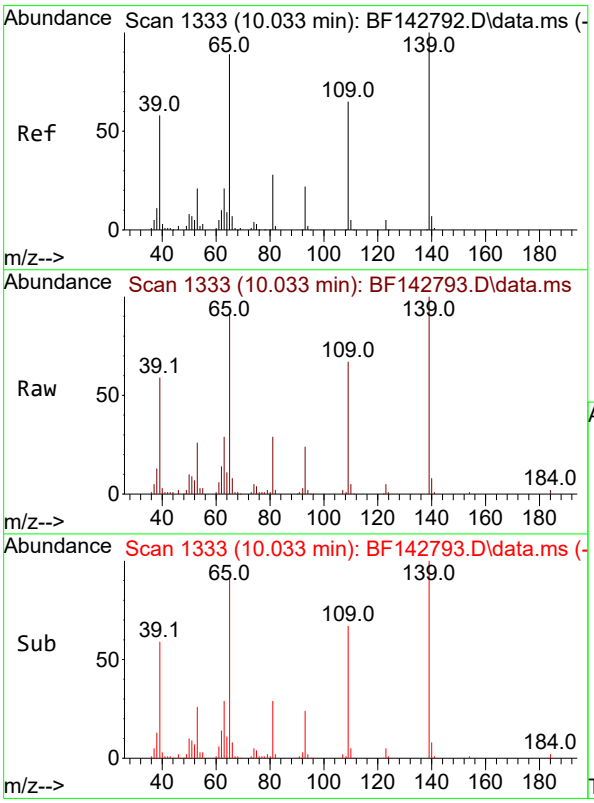
#55
Dibenzofuran
Concen: 51.506 ng
RT: 10.127 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 609507

Ion	Ratio	Lower	Upper
168	100		
139	37.9	30.2	45.4
169	13.4	10.8	16.2

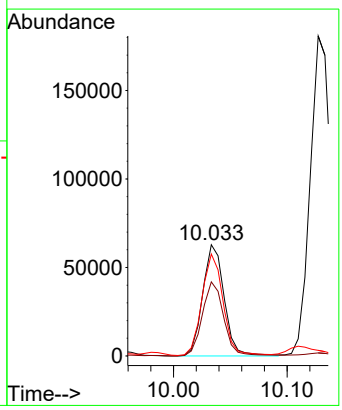


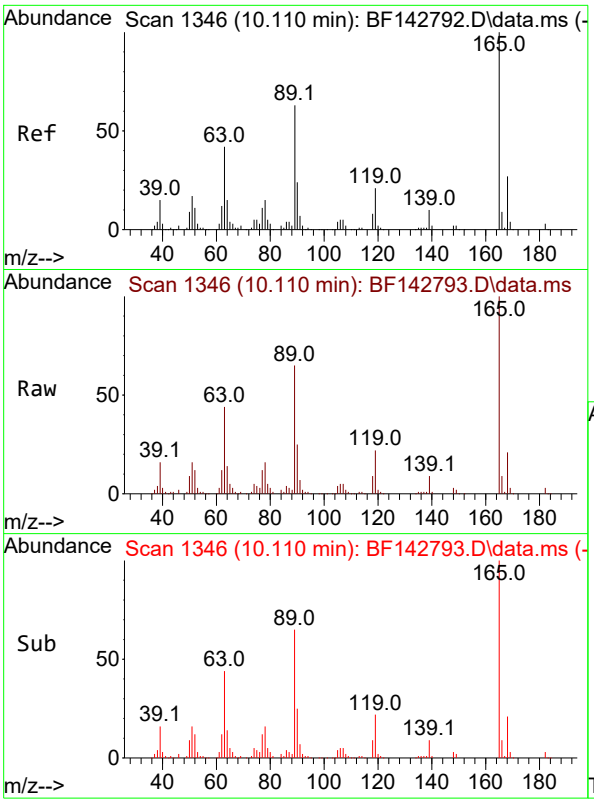


#56
4-Nitrophenol
Concen: 56.047 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:139 Resp: 82688

Ion	Ratio	Lower	Upper
139	100		
109	66.5	44.7	84.7
65	91.6	69.8	109.8



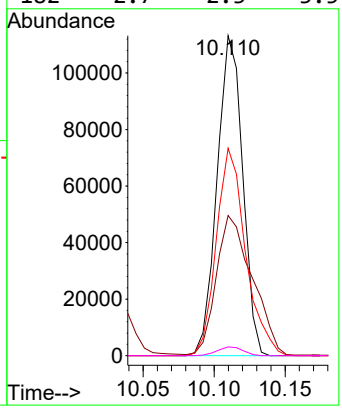


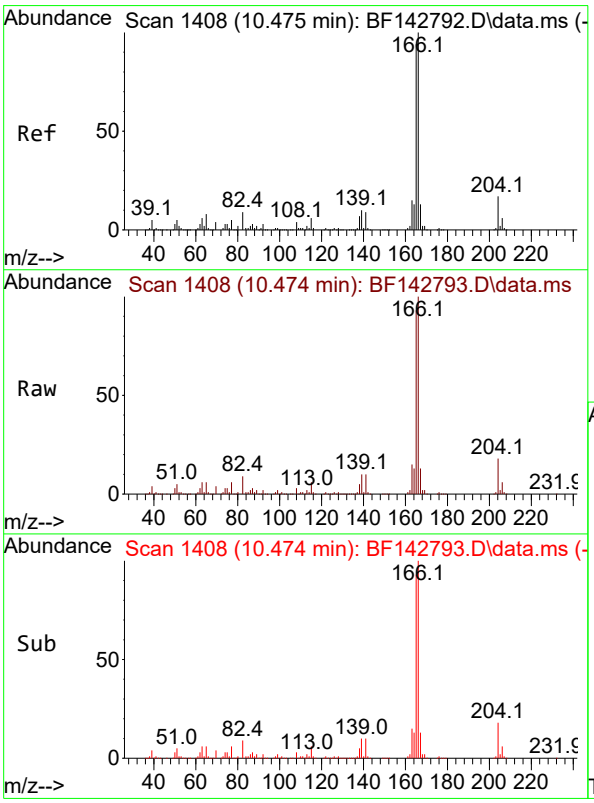
#57
2,4-Dinitrotoluene
Concen: 53.554 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 141691

Ion	Ratio	Lower	Upper
165	100		
63	43.8	33.9	50.9
89	64.8	50.6	75.8
182	2.7	2.3	3.5

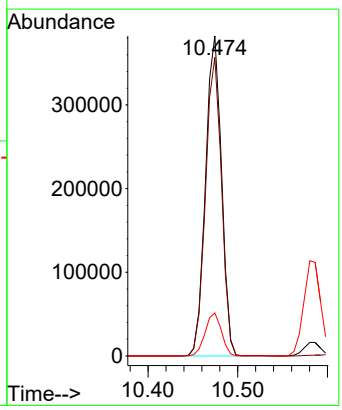


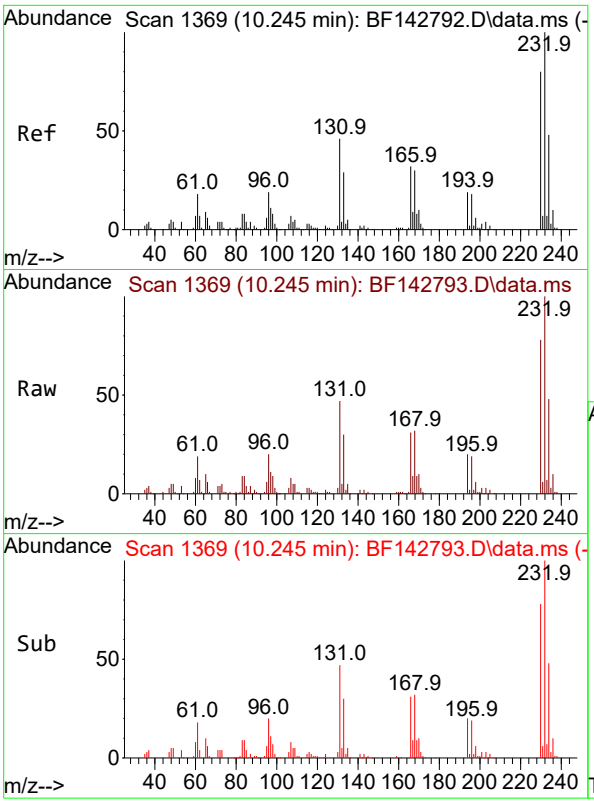


#58
Fluorene
Concen: 50.747 ng
RT: 10.474 min Scan# 1408
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:166 Resp: 473968

Ion	Ratio	Lower	Upper
166	100		
165	93.3	75.2	112.8
167	13.5	10.6	15.8



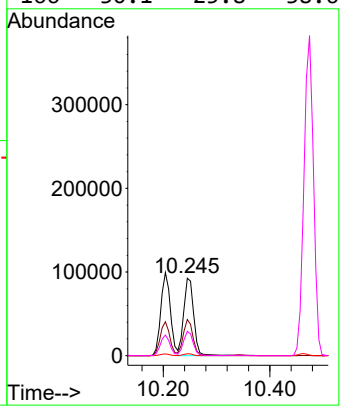


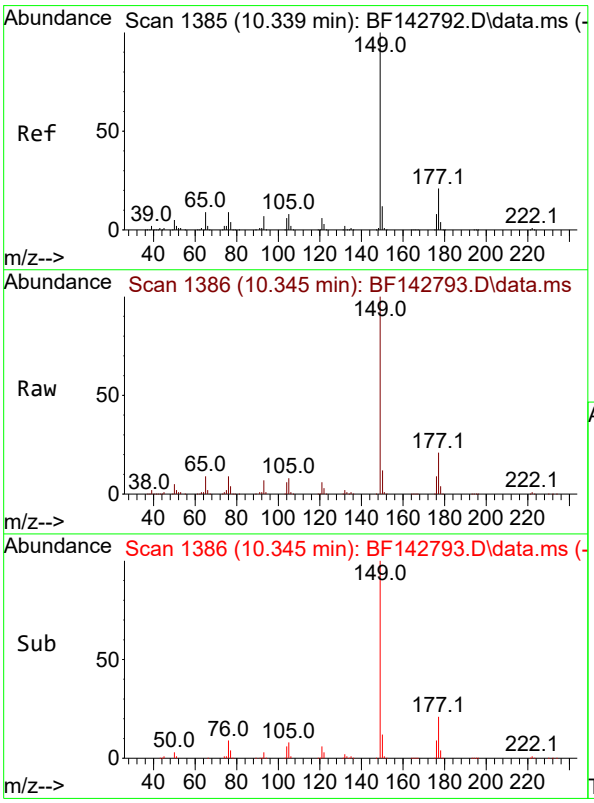
#59
2,3,4,6-Tetrachlorophenol
Concen: 50.988 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 120008

Ion	Ratio	Lower	Upper
232	100		
131	44.8	37.6	56.4
130	2.3	1.7	2.5
166	30.1	25.8	38.6

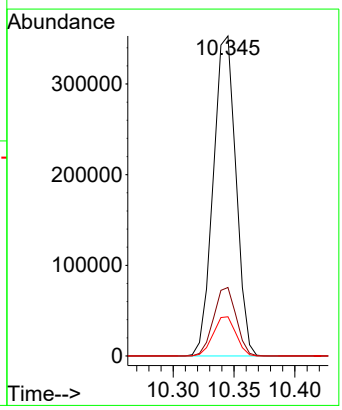


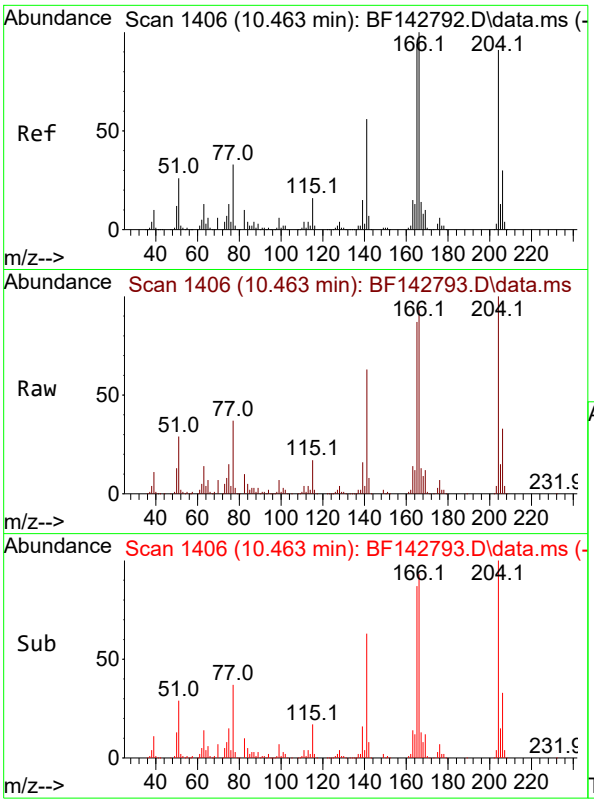


#60
Diethylphthalate
Concen: 50.010 ng
RT: 10.345 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:149 Resp: 458546

Ion	Ratio	Lower	Upper
149	100		
177	21.4	17.0	25.6
150	12.3	9.8	14.6



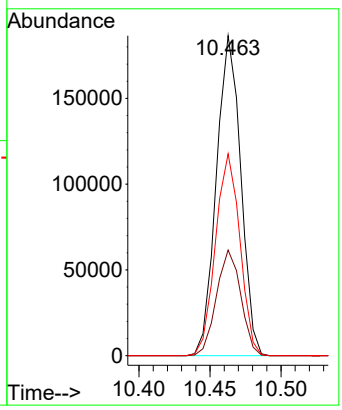


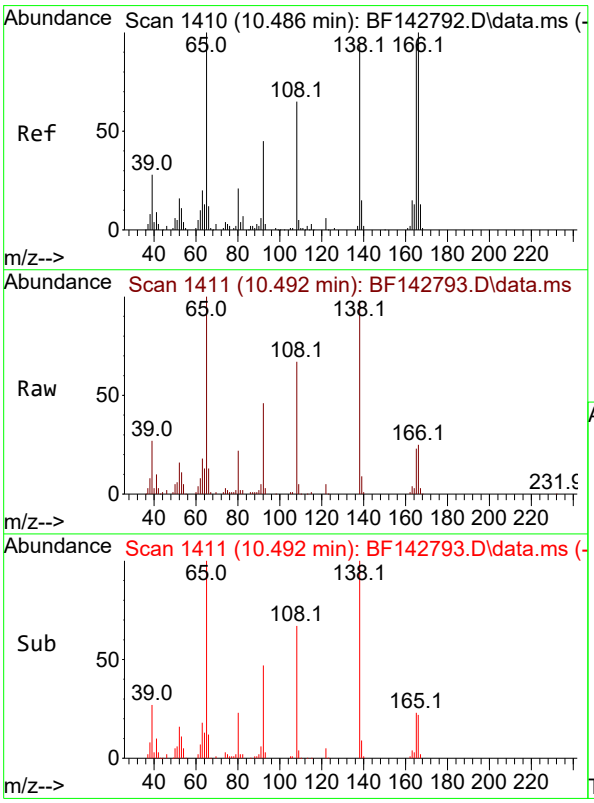
#61
4-Chlorophenyl-phenylether
Concen: 49.076 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 222613

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.3	39.5
141	63.1	49.1	73.7

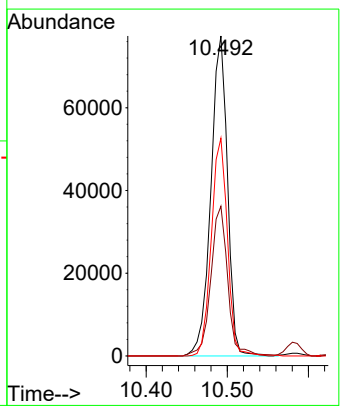


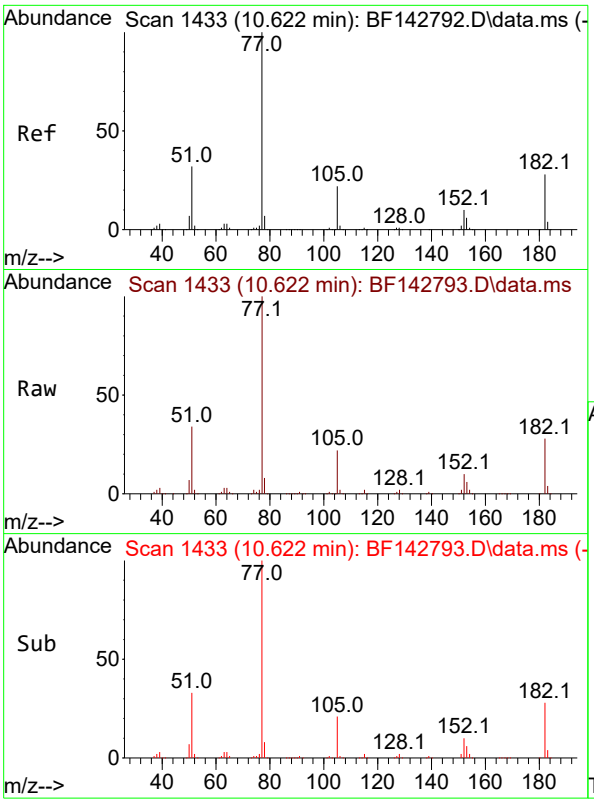


#62
4-Nitroaniline
Concen: 56.363 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:138 Resp: 109973

Ion	Ratio	Lower	Upper
138	100		
92	46.8	28.4	68.4
108	68.1	50.2	90.2



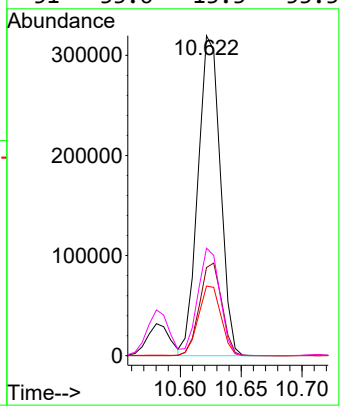


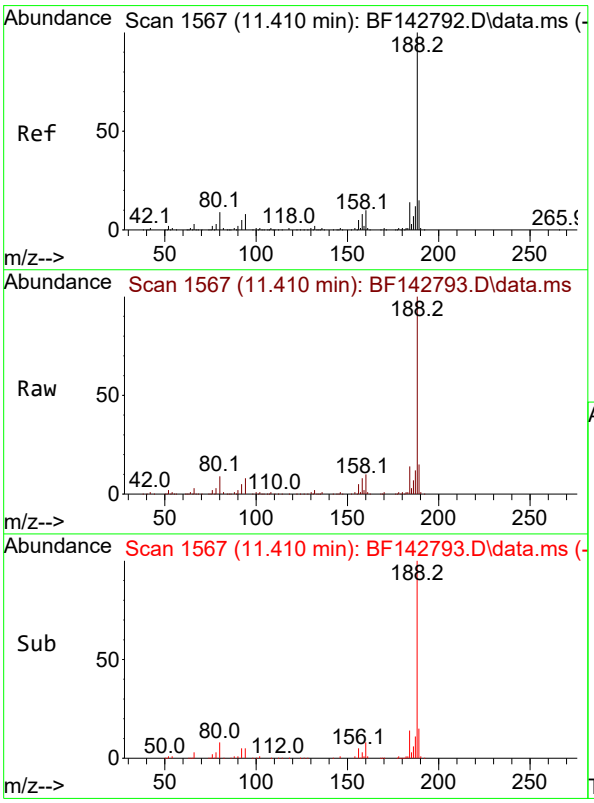
#63
Azobenzene
Concen: 51.063 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 409164

Ion	Ratio	Lower	Upper
77	100		
182	27.5	7.7	47.7
105	21.8	1.9	41.9
51	33.6	13.3	53.3

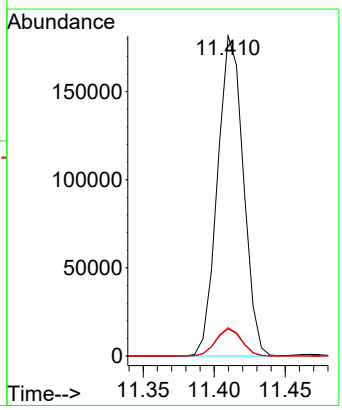


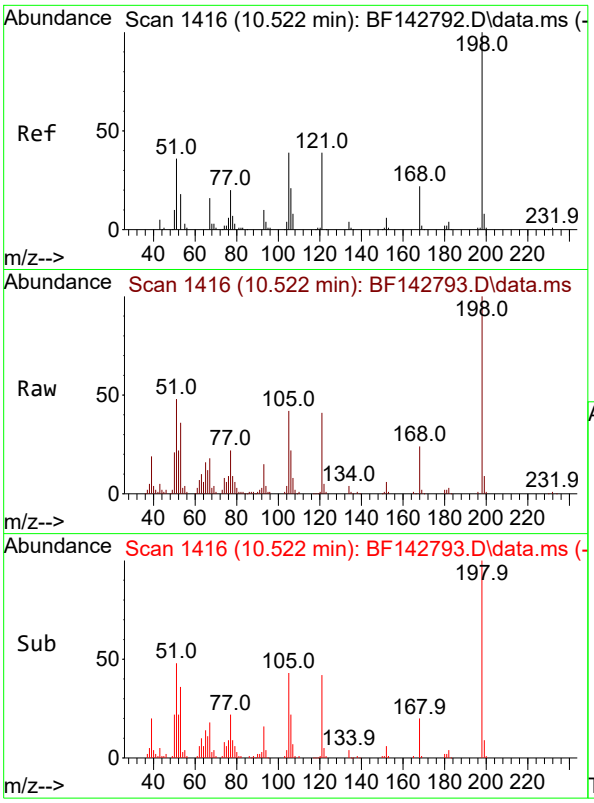


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:188 Resp: 229780

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.7	10.1
80	8.9	6.9	10.3



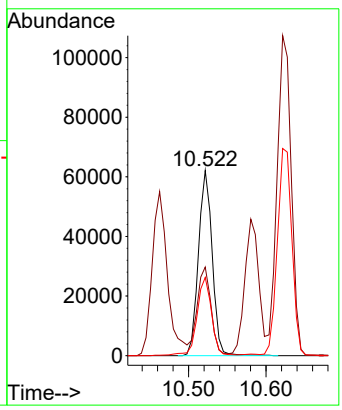


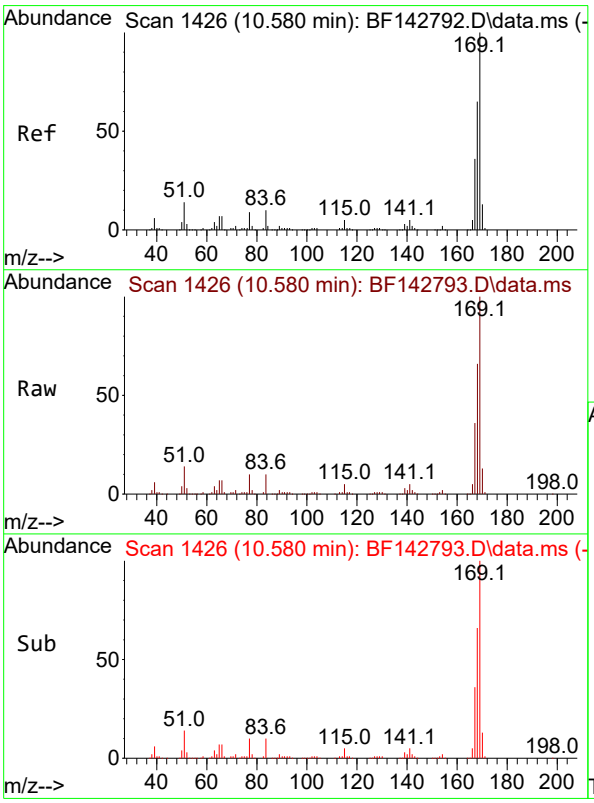
#65
4,6-Dinitro-2-methylphenol
Concen: 53.713 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 76696

Ion	Ratio	Lower	Upper
198	100		
51	47.9	25.4	65.4
105	42.3	20.4	60.4

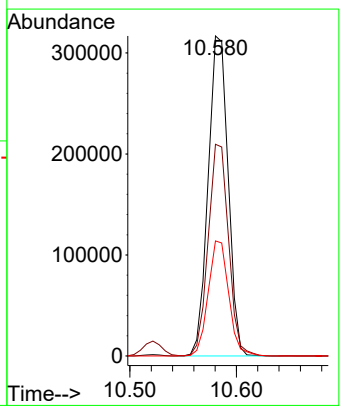


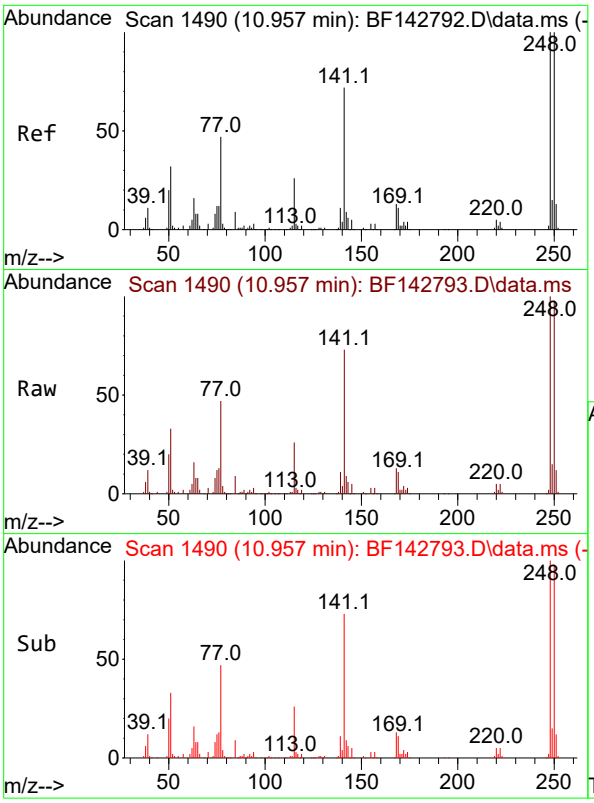


#66
n-Nitrosodiphenylamine
Concen: 52.171 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:169 Resp: 411917

Ion	Ratio	Lower	Upper
169	100		
168	66.1	51.9	77.9
167	35.9	28.5	42.7



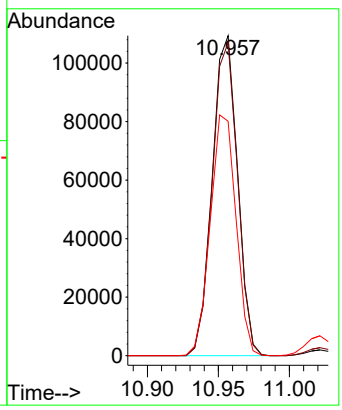


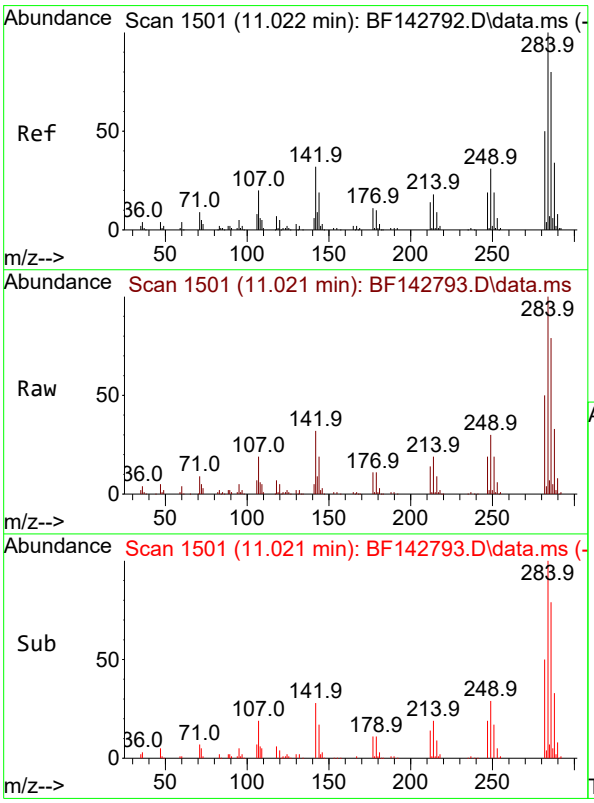
#67
4-Bromophenyl-phenylether
Concen: 50.425 ng
RT: 10.957 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 135699

Ion	Ratio	Lower	Upper
248	100		
250	97.8	79.8	119.8
141	73.3	57.8	86.6

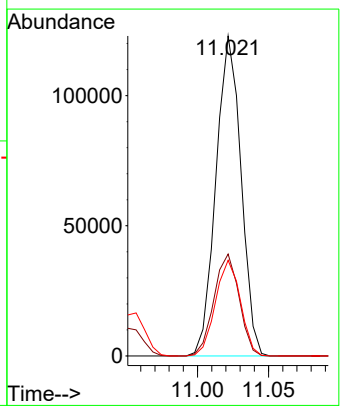


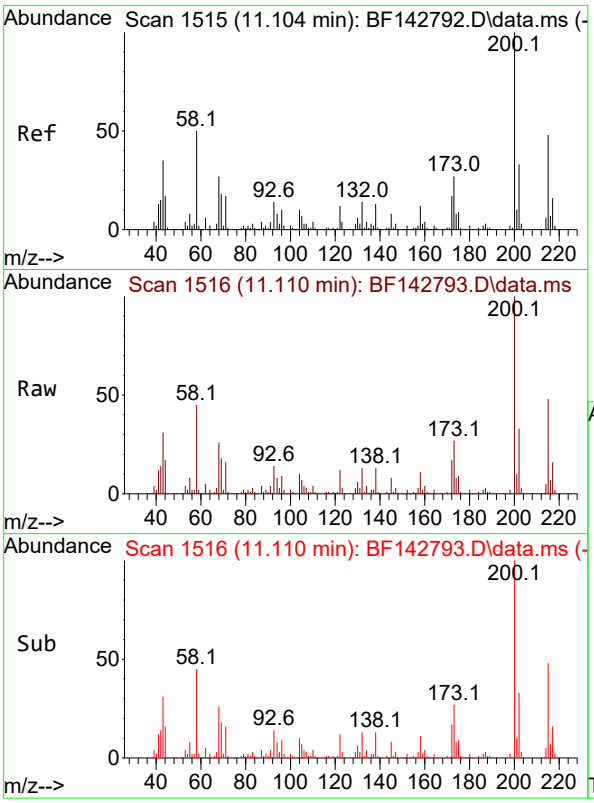


#68
Hexachlorobenzene
Concen: 50.432 ng
RT: 11.021 min Scan# 1501
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:284 Resp: 150669

Ion	Ratio	Lower	Upper
284	100		
142	31.9	25.5	38.3
249	29.9	24.9	37.3



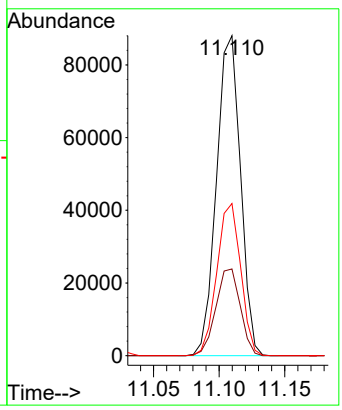


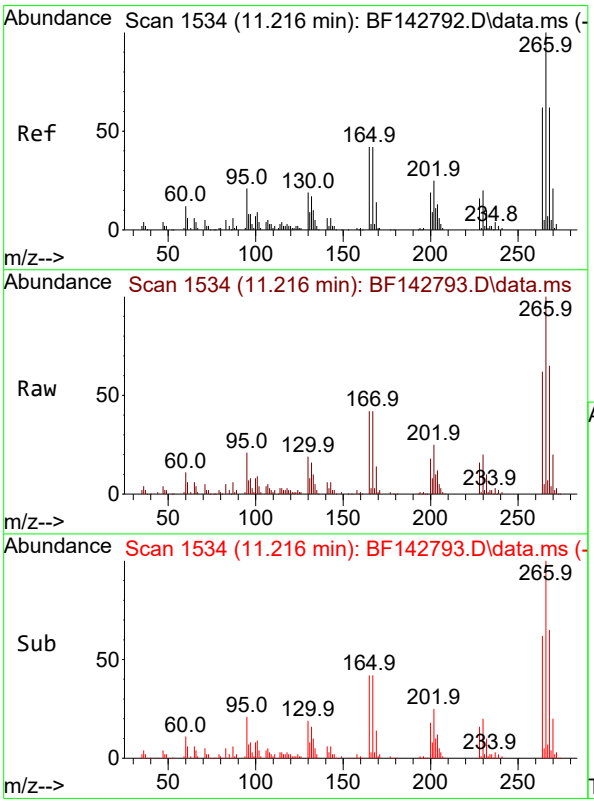
#69
Atrazine
Concen: 53.385 ng
RT: 11.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 111915

Ion	Ratio	Lower	Upper
200	100		
173	27.1	7.4	47.4
215	47.5	28.4	68.4

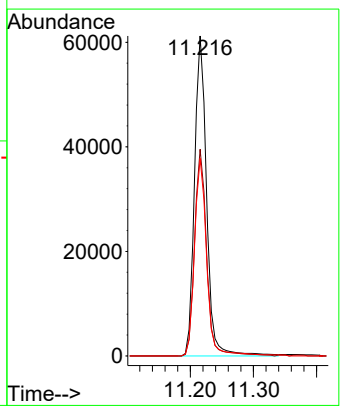


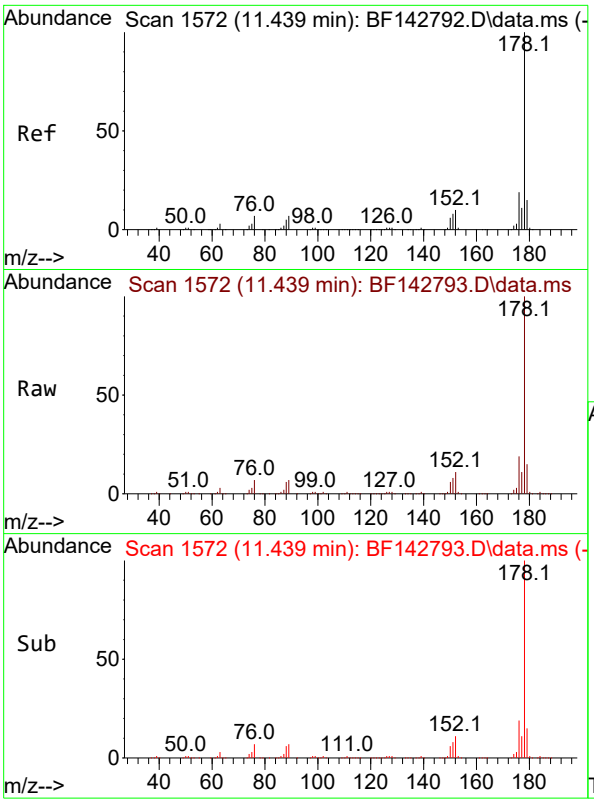


#70
Pentachlorophenol
Concen: 52.574 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:266 Resp: 81577

Ion	Ratio	Lower	Upper
266	100		
268	64.6	49.8	74.8
264	61.7	49.9	74.9



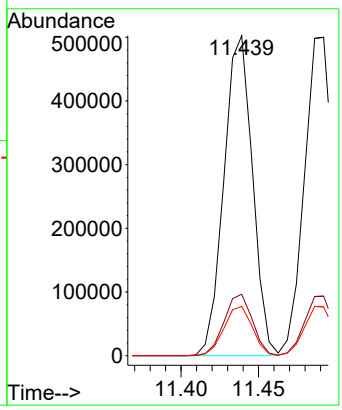


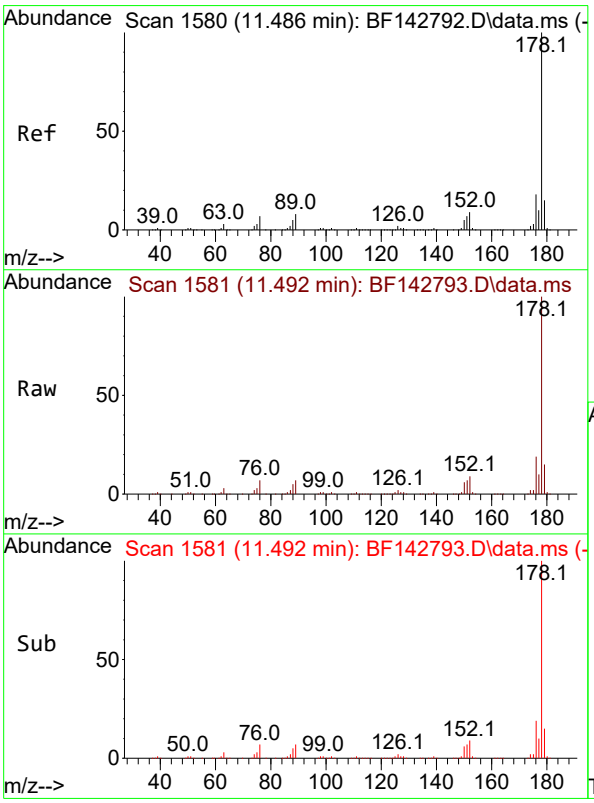
#71
Phenanthrene
Concen: 52.403 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 644668

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.1	22.7
179	15.4	12.0	18.0

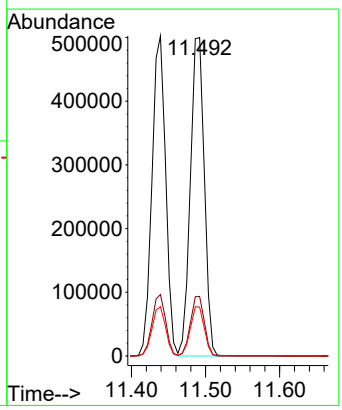


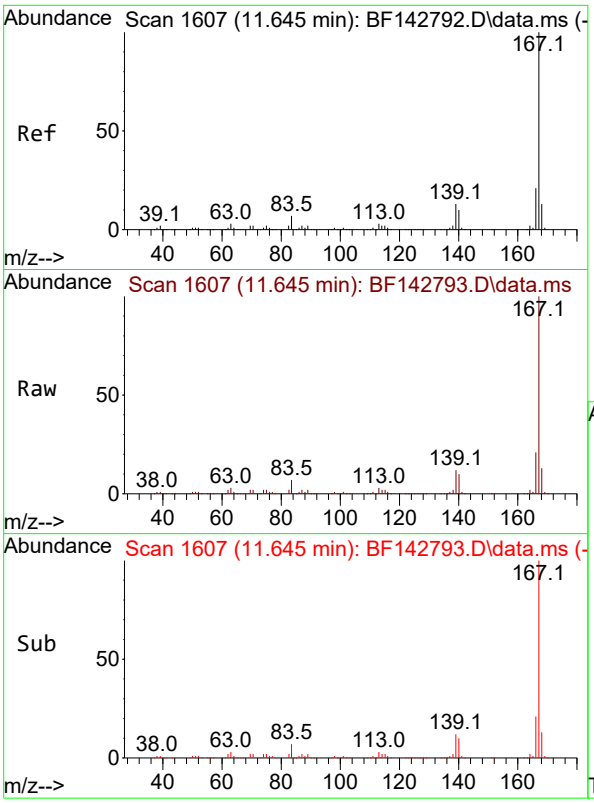


#72
Anthracene
Concen: 51.433 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:178 Resp: 654942

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	21.8
179	15.4	12.4	18.6



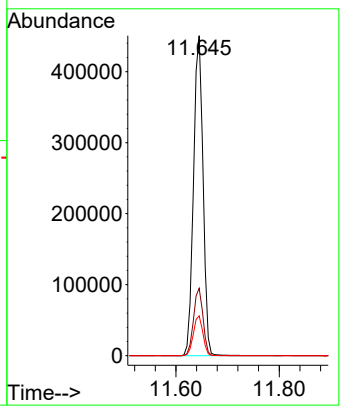


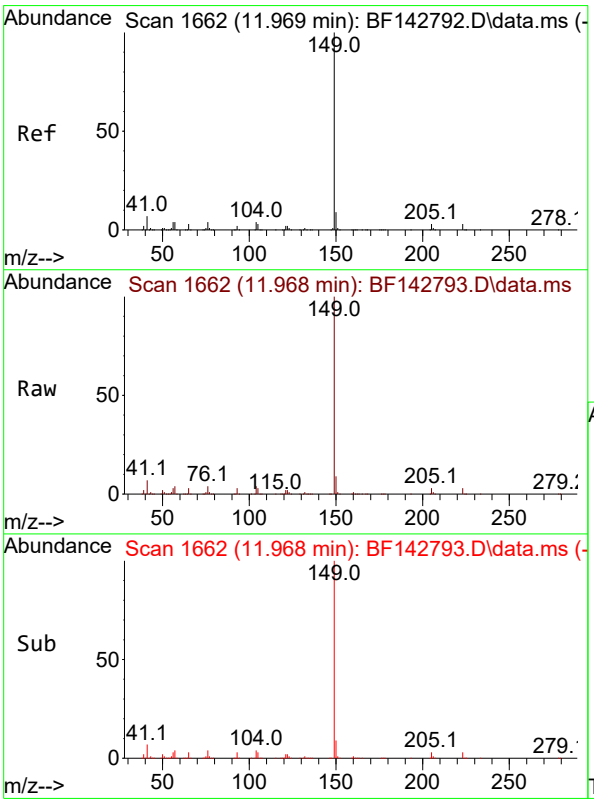
#73
Carbazole
Concen: 53.996 ng
RT: 11.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 575784

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.0	25.4
139	12.5	10.2	15.2

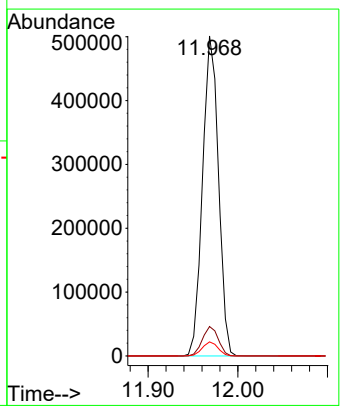


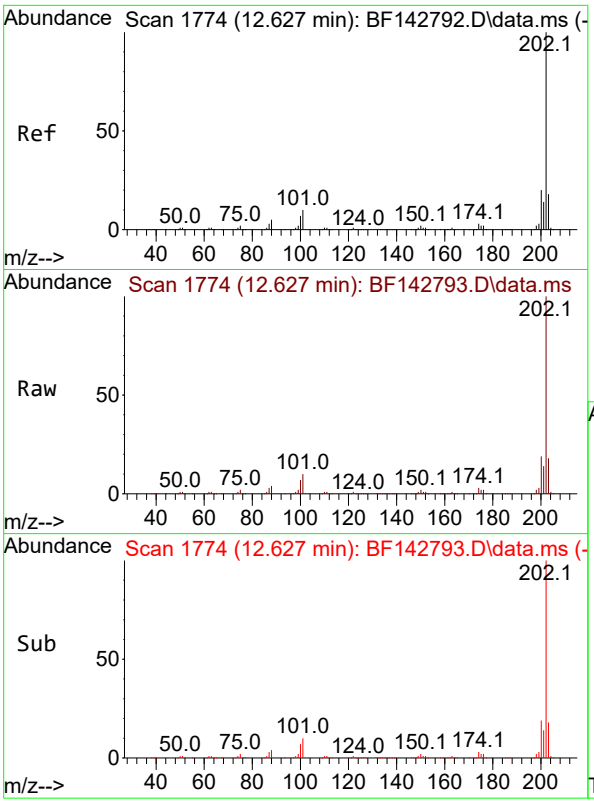


#74
Di-n-butylphthalate
Concen: 52.211 ng
RT: 11.968 min Scan# 1662
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:149 Resp: 616452

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	4.4	3.5	5.3



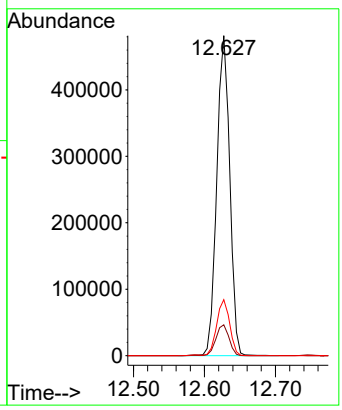


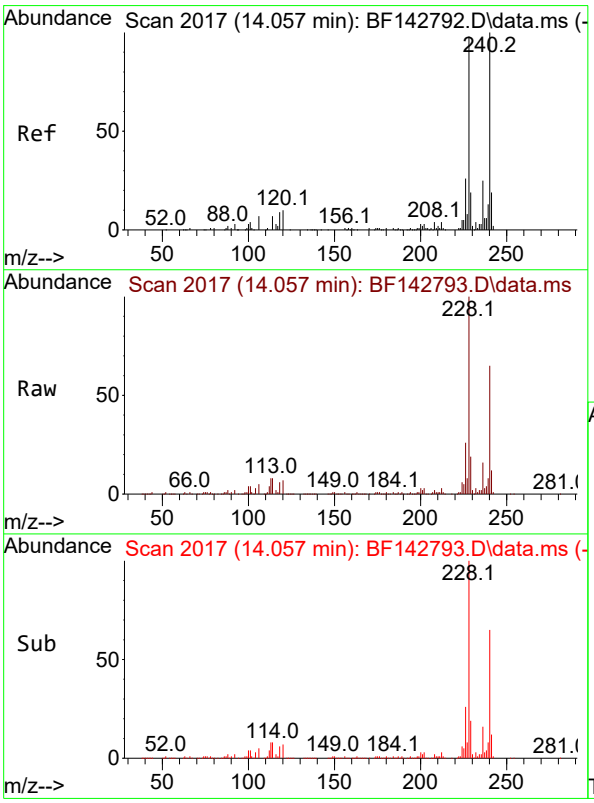
#75
Fluoranthene
Concen: 52.032 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 608190

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	29.7
203	17.5	0.0	37.5

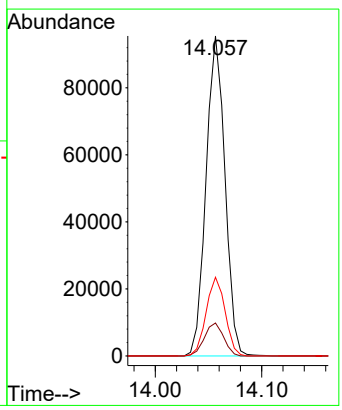


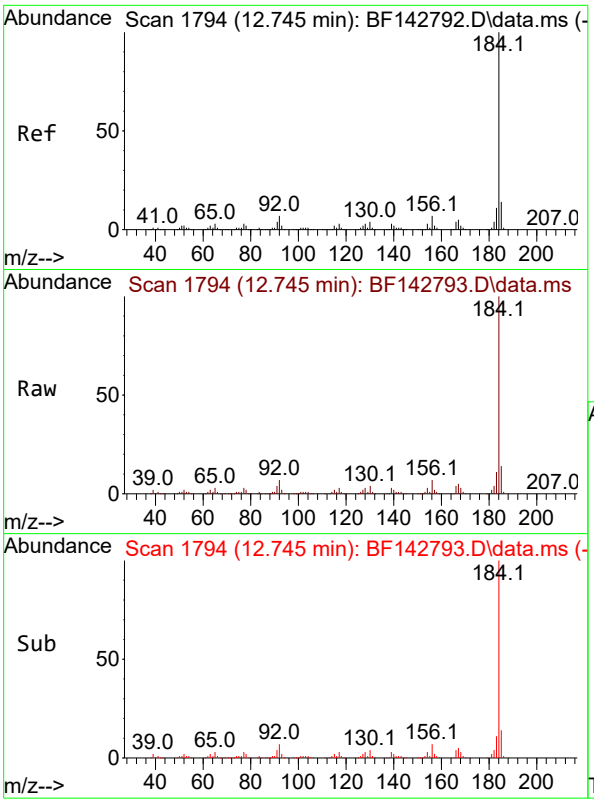


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:240 Resp: 117825

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.2	12.2
236	24.6	19.8	29.8



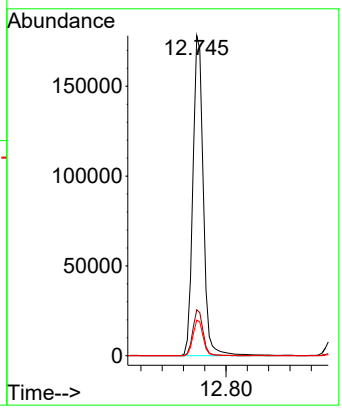


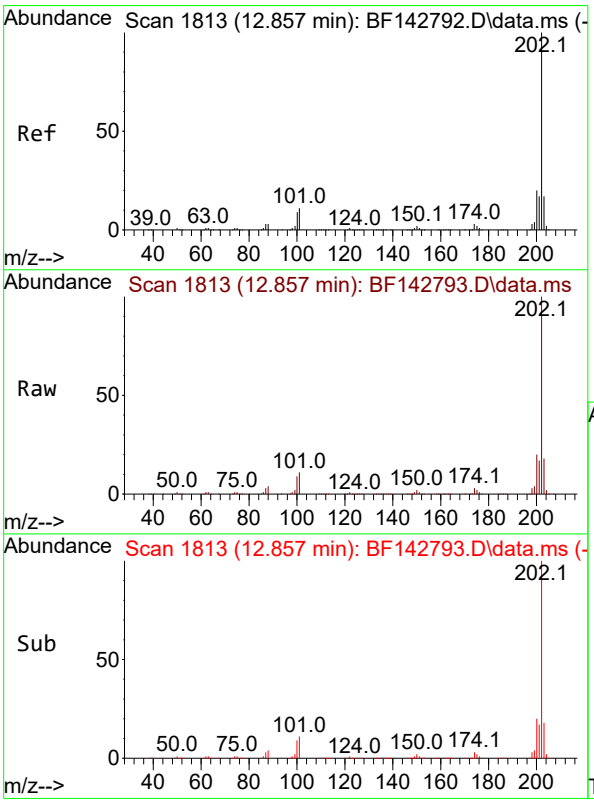
#77
Benzidine
Concen: 58.208 ng
RT: 12.745 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 242794

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	11.1	9.0	13.4

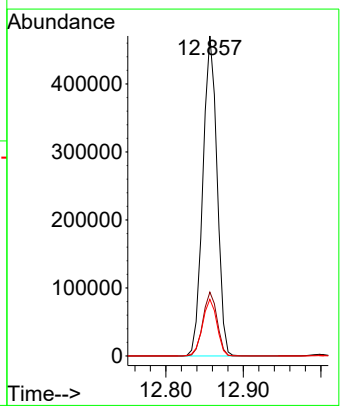


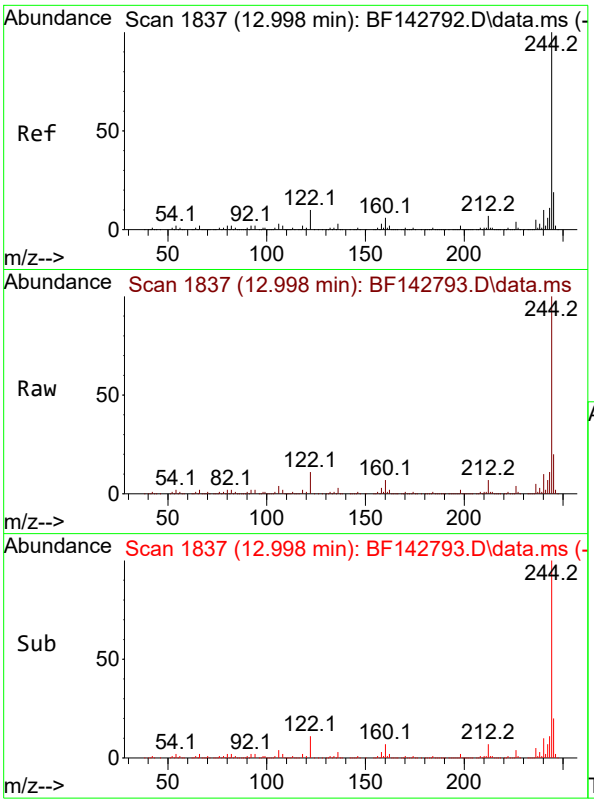


#78
Pyrene
Concen: 55.205 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:202 Resp: 597913

Ion	Ratio	Lower	Upper
202	100		
200	20.0	15.7	23.5
203	17.7	13.8	20.6



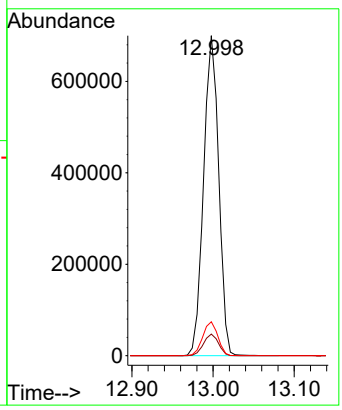


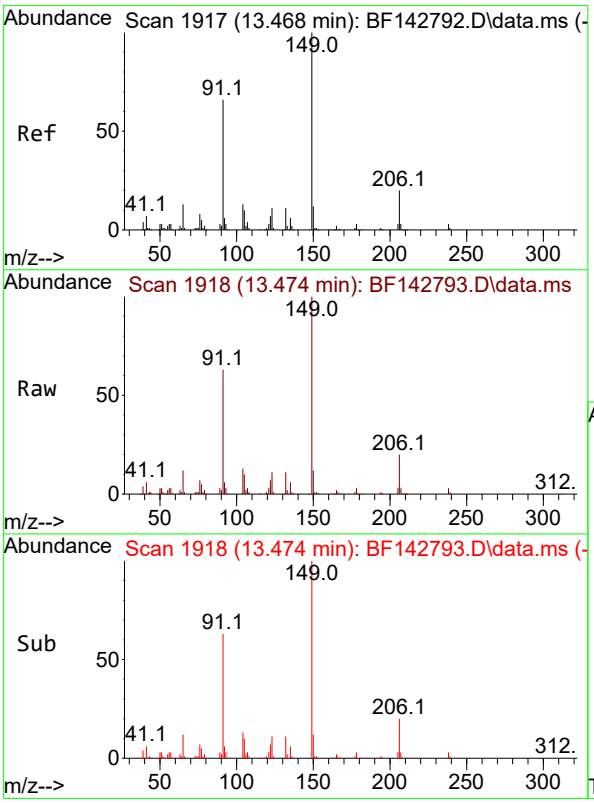
#79
Terphenyl-d14
Concen: 106.820 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 904305

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	10.6	8.2	12.2

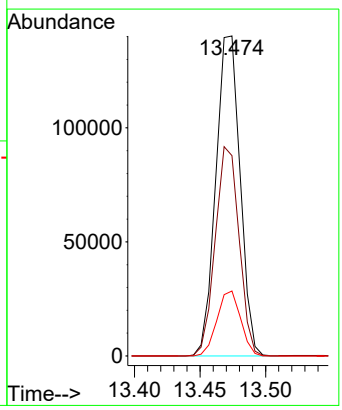


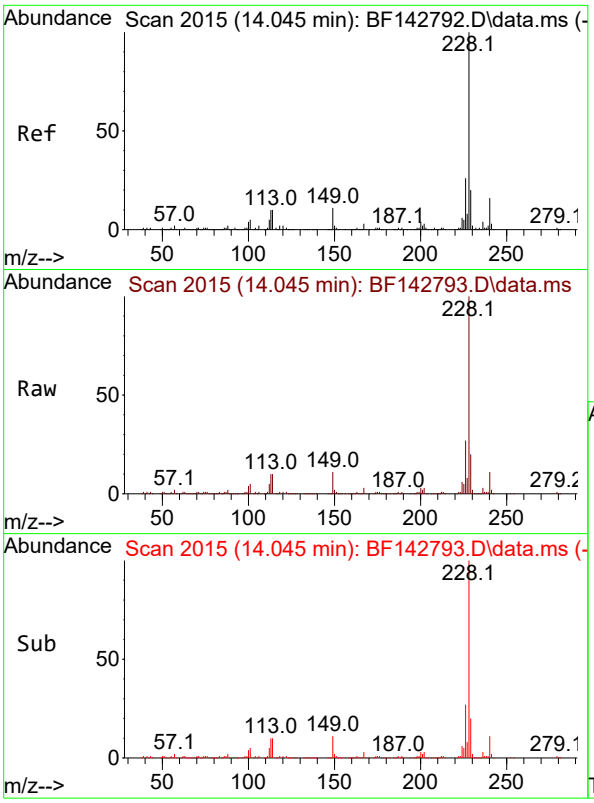


#80
Butylbenzylphthalate
Concen: 56.257 ng
RT: 13.474 min Scan# 1918
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:149 Resp: 180565

Ion	Ratio	Lower	Upper
149	100		
91	62.6	52.9	79.3
206	20.3	16.3	24.5



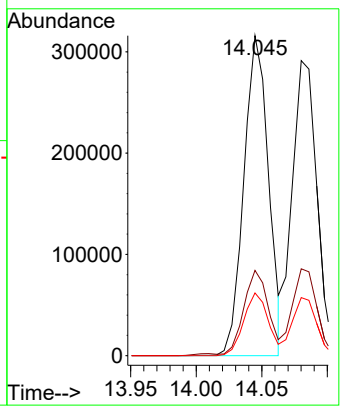


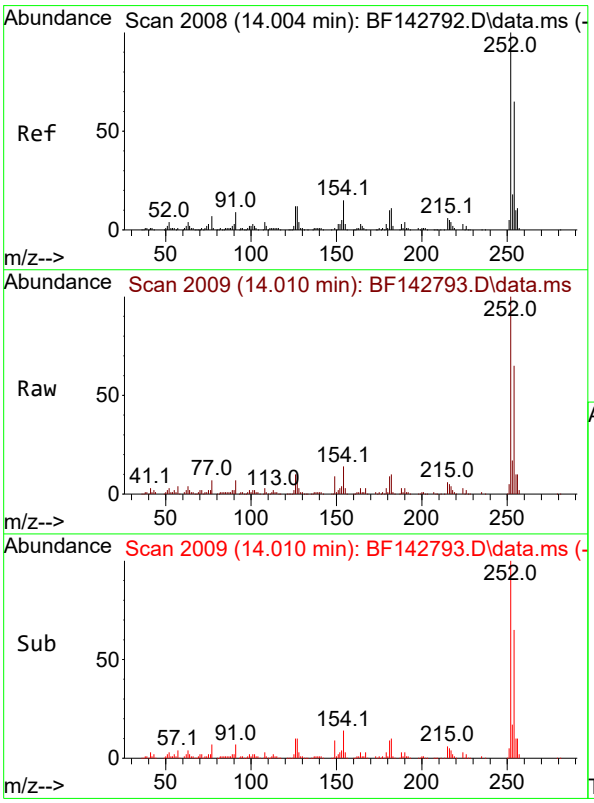
#81
Benzo(a)anthracene
Concen: 53.431 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 413349

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.2	31.8
229	19.6	15.6	23.4

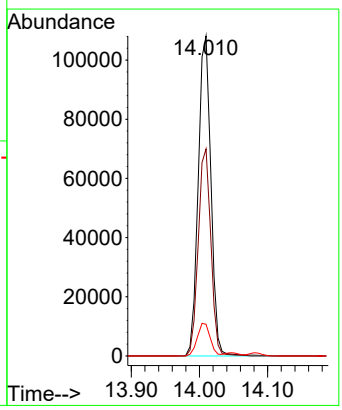


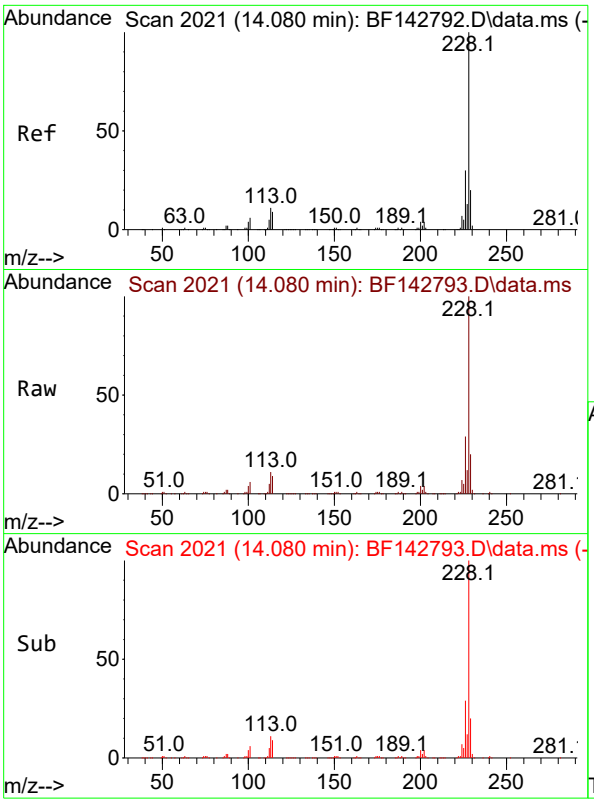


#82
3,3'-Dichlorobenzidine
Concen: 55.949 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:252 Resp: 140152

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.7	77.5
126	9.9	9.4	14.2



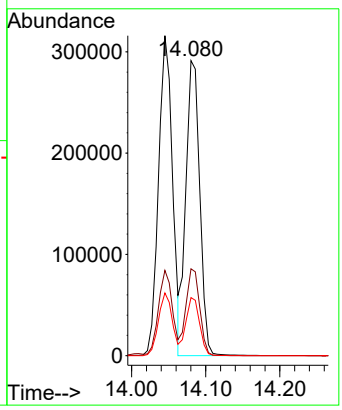


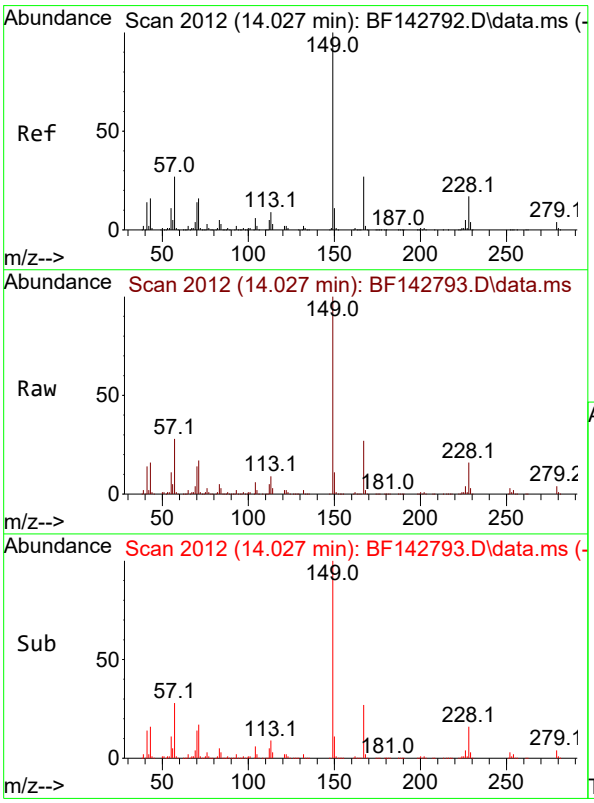
#83
Chrysene
Concen: 52.950 ng
RT: 14.080 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 381352

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.7	35.5
229	19.7	15.7	23.5

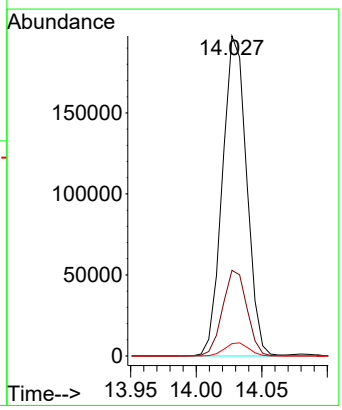


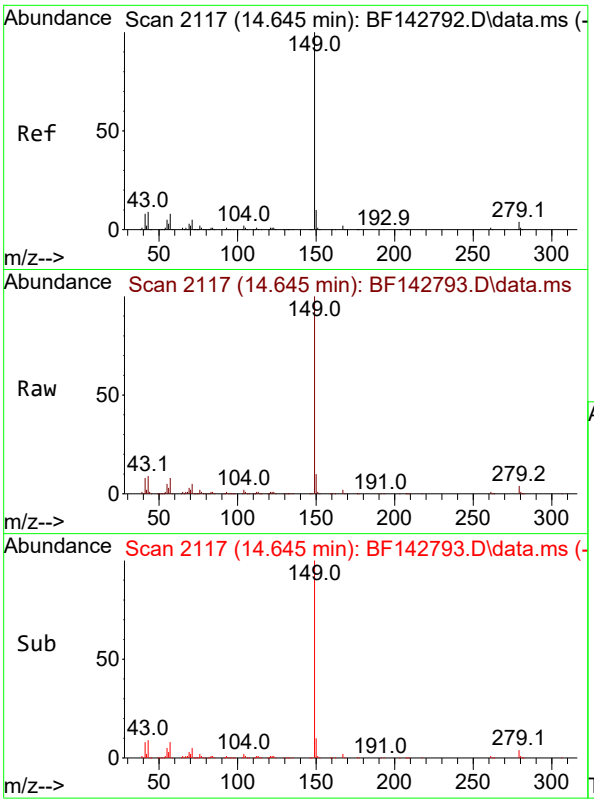


#84
Bis(2-ethylhexyl)phthalate
Concen: 53.016 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:149 Resp: 253542

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.4	32.0
279	3.8	3.0	4.6



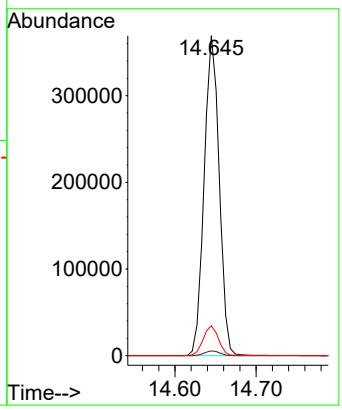


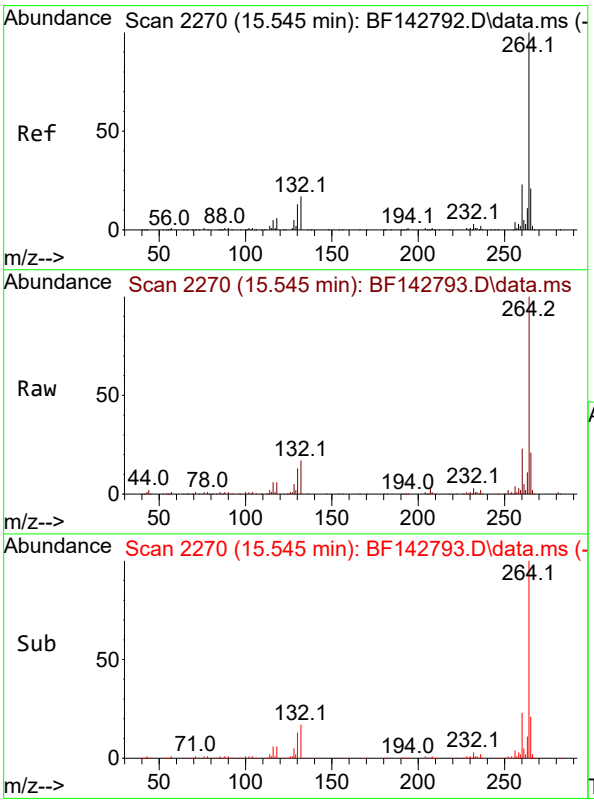
#85
Di-n-octyl phthalate
Concen: 52.029 ng
RT: 14.645 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 474143

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.4	7.6	11.4

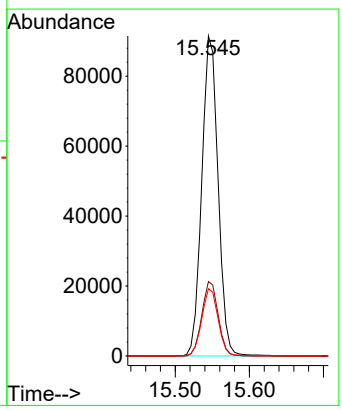


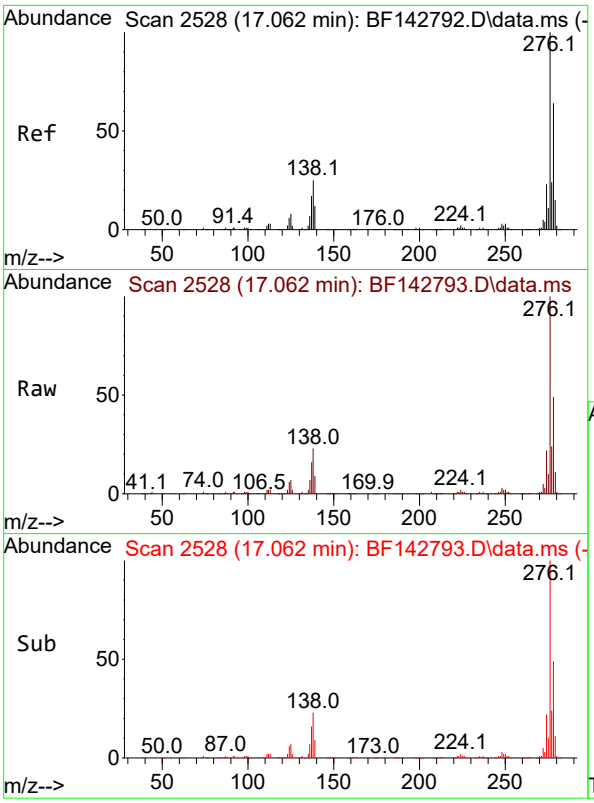


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:264 Resp: 139593

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.1	27.1
265	21.0	16.6	25.0



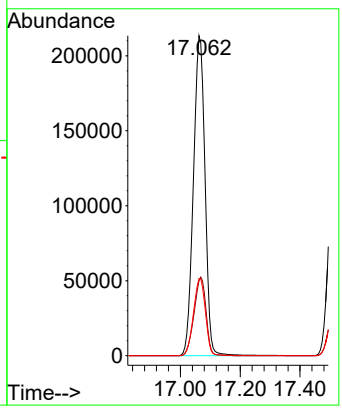


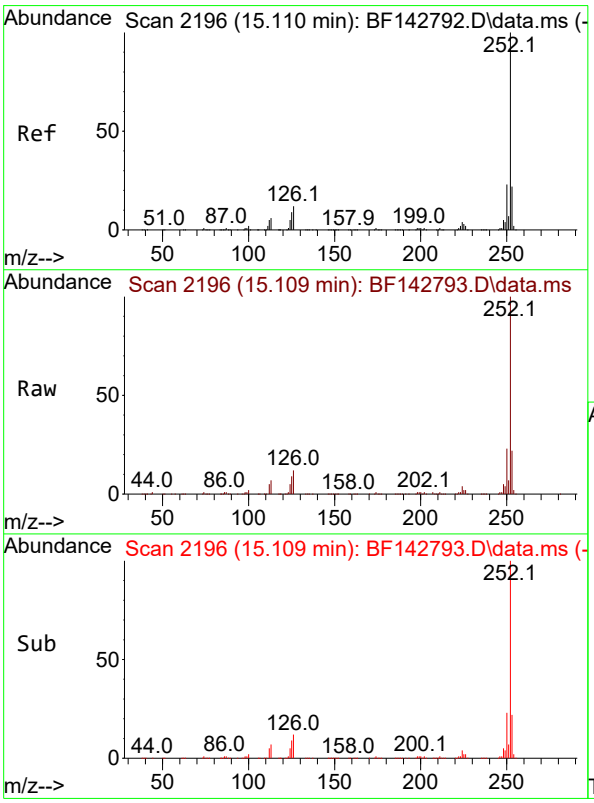
#87
Indeno(1,2,3-cd)pyrene
Concen: 55.741 ng
RT: 17.062 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 575271

Ion	Ratio	Lower	Upper
276	100		
138	25.3	20.2	30.4
277	24.7	19.8	29.6

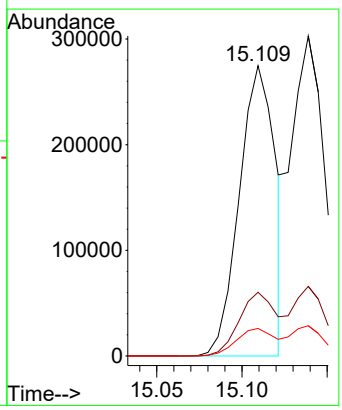


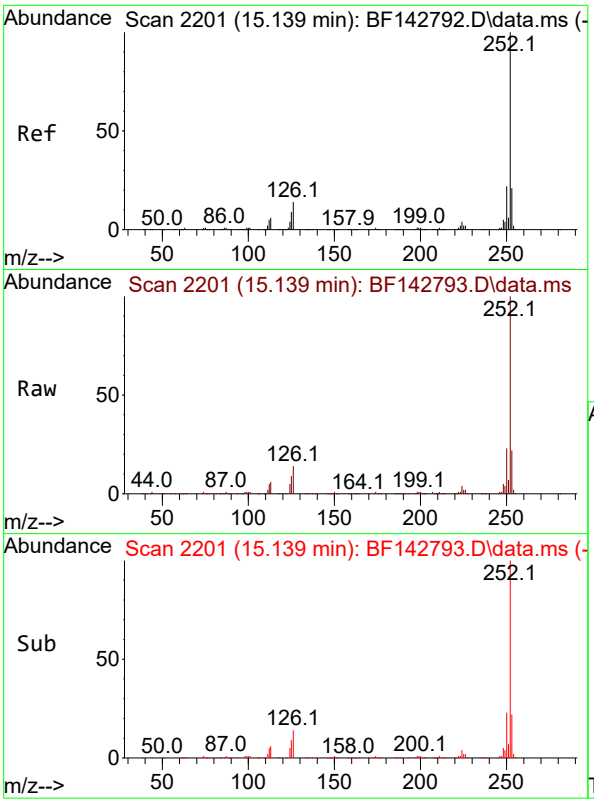


#88
Benzo(b)fluoranthene
Concen: 49.437 ng
RT: 15.109 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:252 Resp: 401915

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.5	7.4	11.0



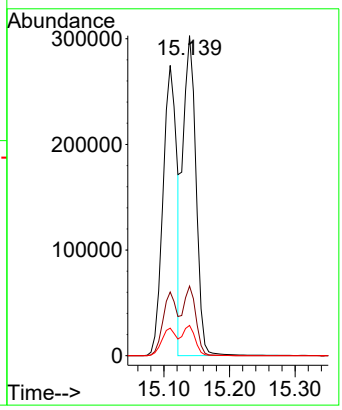


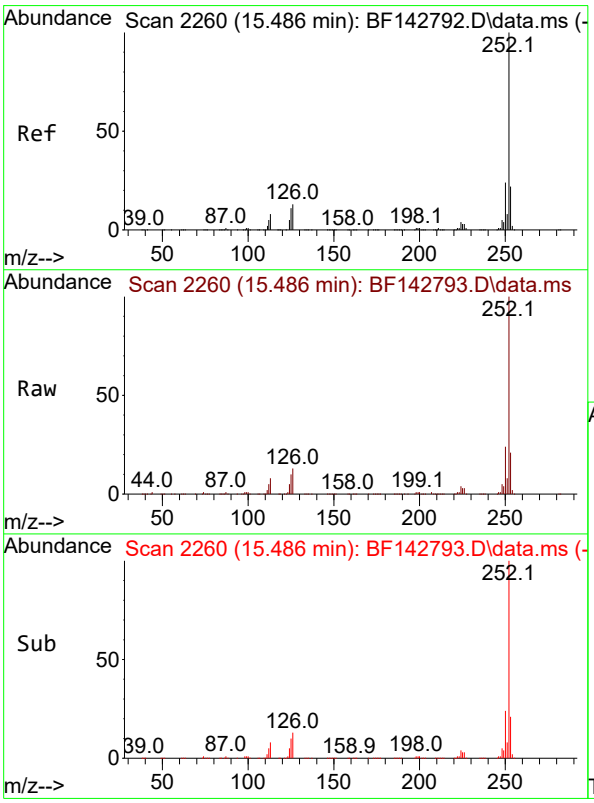
#89
Benzo(k)fluoranthene
Concen: 52.440 ng
RT: 15.139 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 416169

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	9.5	7.4	11.2

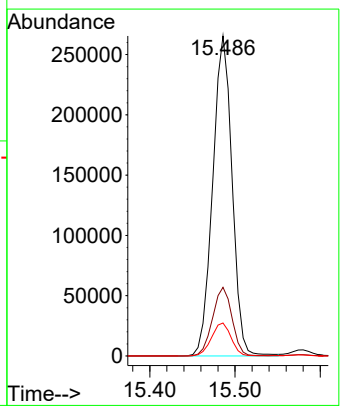


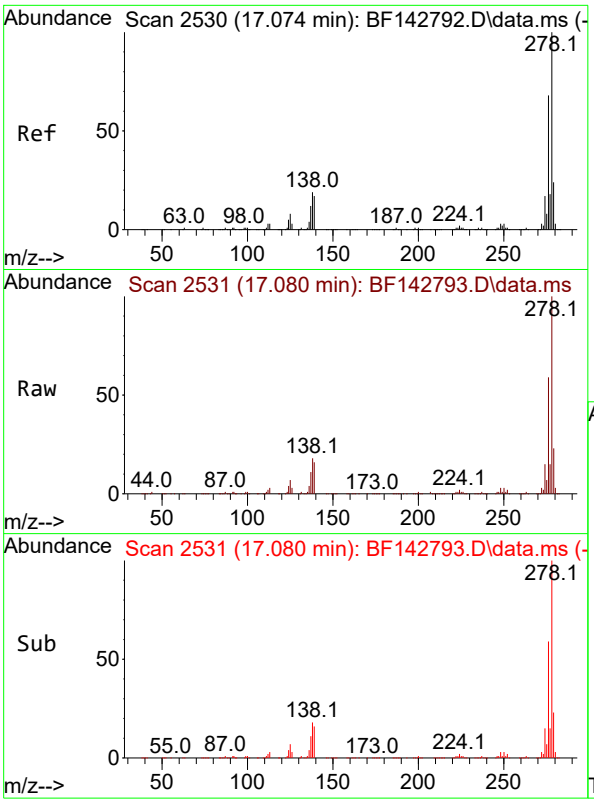


#90
Benzo(a)pyrene
Concen: 53.860 ng
RT: 15.486 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:252 Resp: 419030

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	10.3	8.6	12.8



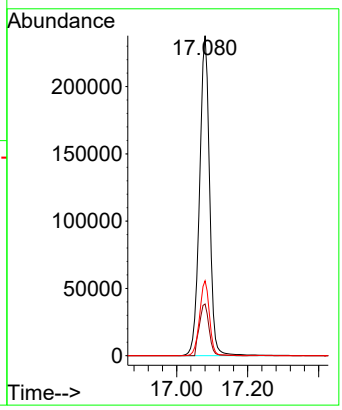


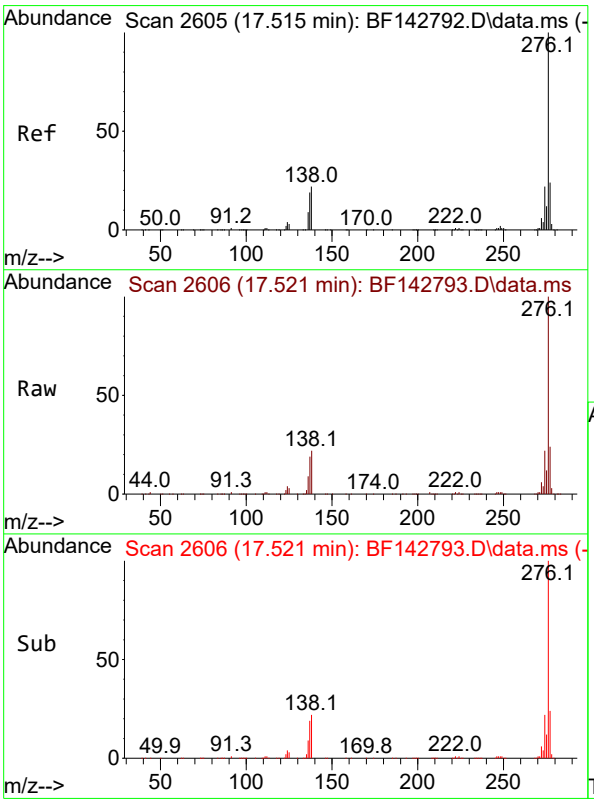
#91
Dibenzo(a,h)anthracene
Concen: 55.594 ng
RT: 17.080 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 466485

Ion	Ratio	Lower	Upper
278	100		
139	16.2	13.5	20.3
279	23.4	18.8	28.2

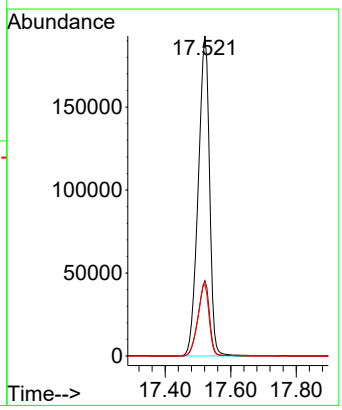




#92
Benzo(g,h,i)perylene
Concen: 55.540 ng
RT: 17.521 min Scan# 2606
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:276 Resp: 464951

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	22.4	17.6	26.4



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142794.D
Acq On : 19 Jun 2025 20:10
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Jun 20 04:41:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	83273	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	313390	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	161044	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	264336	20.000	ng	0.00
76) Chrysene-d12	14.057	240	133196	20.000	ng	0.00
86) Perylene-d12	15.551	264	166457	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	585158	119.852	ng	0.00
7) Phenol-d6	6.516	99	689436	120.255	ng	0.00
23) Nitrobenzene-d5	7.451	82	680402	119.003	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	198721	113.541	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1360586	112.392	ng	0.00
79) Terphenyl-d14	12.998	244	1107704	115.747	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.640	88	119634	61.705	ng	99
3) Pyridine	3.410	79	302137	62.244	ng	99
4) n-Nitrosodimethylamine	3.375	42	157914	63.520	ng	99
6) Aniline	6.545	93	466855	60.761	ng	93
8) 2-Chlorophenol	6.669	128	317743	59.767	ng	99
9) Benzaldehyde	6.434	77	170843	48.878	ng	100
10) Phenol	6.528	94	382126	59.780	ng	92
11) bis(2-Chloroethyl)ether	6.622	93	278869	58.802	ng	98
12) 1,3-Dichlorobenzene	6.822	146	353155	58.337	ng	98
13) 1,4-Dichlorobenzene	6.898	146	356089	58.035	ng	99
14) 1,2-Dichlorobenzene	7.051	146	338121	57.645	ng	99
15) Benzyl Alcohol	7.028	79	257749	60.062	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	439082	58.763	ng	97
17) 2-Methylphenol	7.134	107	242711	59.716	ng	100
18) Hexachloroethane	7.392	117	124457	56.741	ng	98
19) n-Nitroso-di-n-propyla...	7.304	70	202914	56.123	ng	97
20) 3+4-Methylphenols	7.292	107	298960	58.442	ng	99
22) Acetophenone	7.298	105	402615	58.063	ng	99
24) Nitrobenzene	7.469	77	306032	60.229	ng	99
25) Isophorone	7.710	82	548612	57.216	ng	100
26) 2-Nitrophenol	7.786	139	175072	61.836	ng	98
27) 2,4-Dimethylphenol	7.822	122	288532	59.859	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	343925	57.620	ng	100
29) 2,4-Dichlorophenol	8.028	162	260228	58.574	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	282721	57.608	ng	99
31) Naphthalene	8.192	128	886614	57.524	ng	100
32) Benzoic acid	7.945	122	169471	63.369	ng	96
33) 4-Chloroaniline	8.239	127	369911	59.887	ng	99
34) Hexachlorobutadiene	8.304	225	173425	55.768	ng	99
35) Caprolactam	8.622	113	73108	61.157	ng	98
36) 4-Chloro-3-methylphenol	8.722	107	261249	56.927	ng	99
37) 2-Methylnaphthalene	8.881	142	548439	56.406	ng	100
38) 1-Methylnaphthalene	8.980	142	567801	56.247	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	278551	59.918	ng	99
41) Hexachlorocyclopentadiene	9.033	237	181771	61.835	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	187708	62.392	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142794.D
Acq On : 19 Jun 2025 20:10
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Jun 20 04:41:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

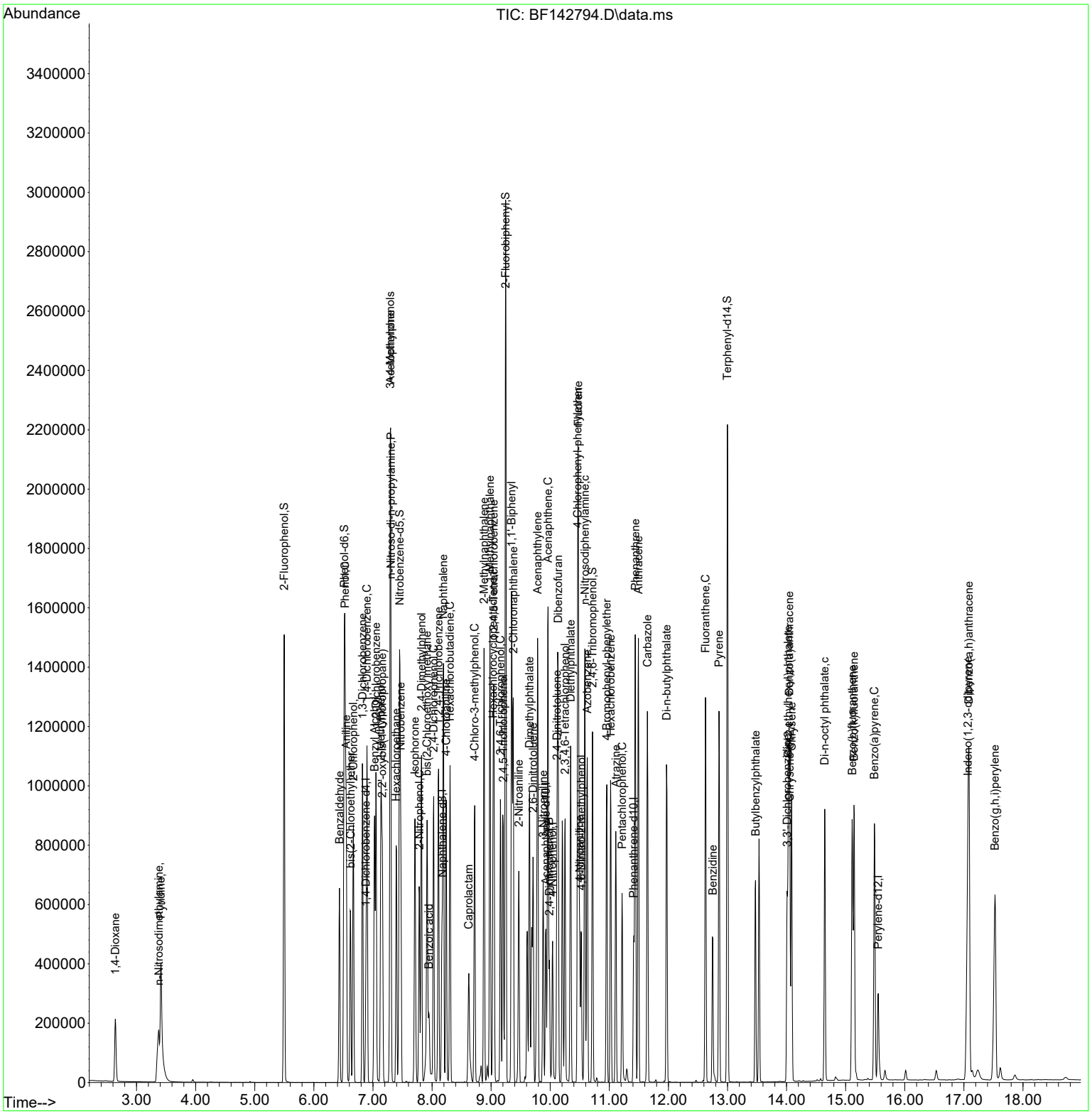
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	196769	60.565	ng	99
46) 1,1'-Biphenyl	9.345	154	736970	58.937	ng	99
47) 2-Chloronaphthalene	9.375	162	553304	59.966	ng	99
48) 2-Nitroaniline	9.469	65	162701	62.067	ng	96
49) Acenaphthylene	9.786	152	913540	58.892	ng	100
50) Dimethylphthalate	9.651	163	617097	57.767	ng	100
51) 2,6-Dinitrotoluene	9.710	165	137318	59.299	ng	99
52) Acenaphthene	9.963	154	566138	58.980	ng	100
53) 3-Nitroaniline	9.880	138	154402	61.386	ng	99
54) 2,4-Dinitrophenol	9.986	184	78750	62.843	ng	99
55) Dibenzofuran	10.133	168	802087	58.567	ng	99
56) 4-Nitrophenol	10.039	139	110658	64.811	ng	100
57) 2,4-Dinitrotoluene	10.116	165	184840	60.367	ng	97
58) Fluorene	10.475	166	608786	56.322	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.251	232	159997	58.739	ng	97
60) Diethylphthalate	10.345	149	611873	57.662	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	294444	56.089	ng	98
62) 4-Nitroaniline	10.498	138	144821	64.135	ng	98
63) Azobenzene	10.627	77	542118	58.460	ng	98
65) 4,6-Dinitro-2-methylph...	10.527	198	103180	62.814	ng	100
66) n-Nitrosodiphenylamine	10.586	169	531713	58.540	ng	98
67) 4-Bromophenyl-phenylether	10.957	248	180519	58.311	ng	97
68) Hexachlorobenzene	11.022	284	199479	58.041	ng	99
69) Atrazine	11.110	200	144880	60.075	ng	98
70) Pentachlorophenol	11.216	266	107141	60.023	ng	98
71) Phenanthrene	11.439	178	815330	57.611	ng	99
72) Anthracene	11.492	178	844549	57.653	ng	100
73) Carbazole	11.645	167	729372	59.457	ng	100
74) Di-n-butylphthalate	11.969	149	784514	57.759	ng	100
75) Fluoranthene	12.627	202	770481	57.300	ng	99
77) Benzidine	12.751	184	287238	60.916	ng	100
78) Pyrene	12.857	202	744567	60.812	ng	99
80) Butylbenzylphthalate	13.474	149	238584	65.755	ng	97
81) Benzo(a)anthracene	14.045	228	550008	62.892	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	177798	62.787	ng	100
83) Chrysene	14.086	228	470124	57.743	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	336951	62.326	ng	99
85) Di-n-octyl phthalate	14.645	149	627090	60.871	ng	100
87) Indeno(1,2,3-cd)pyrene	17.068	276	768324	62.432	ng	99
88) Benzo(b)fluoranthene	15.110	252	597533	61.638	ng	100
89) Benzo(k)fluoranthene	15.139	252	518514	54.792	ng	99
90) Benzo(a)pyrene	15.486	252	569694	61.408	ng	99
91) Dibenzo(a,h)anthracene	17.086	278	619236	61.889	ng	99
92) Benzo(g,h,i)perylene	17.527	276	626847	62.795	ng	100

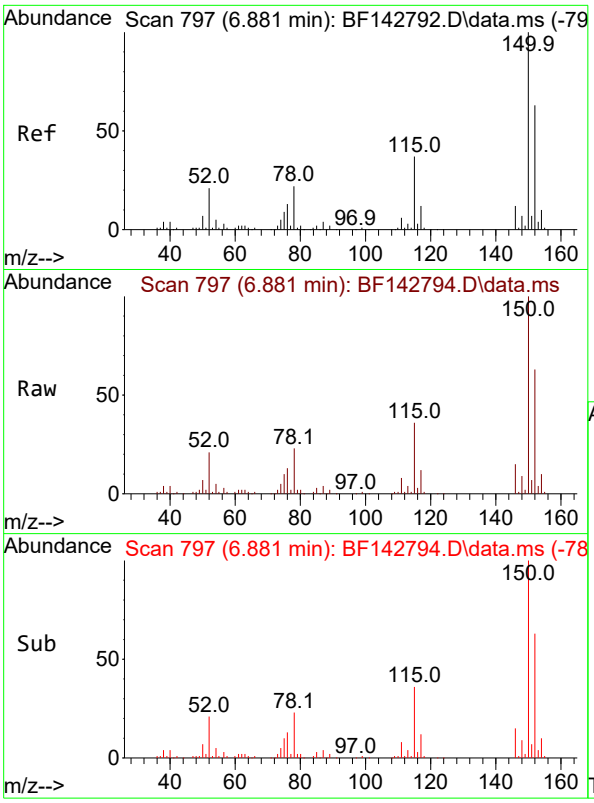
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142794.D
Acq On : 19 Jun 2025 20:10
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Jun 20 04:41:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
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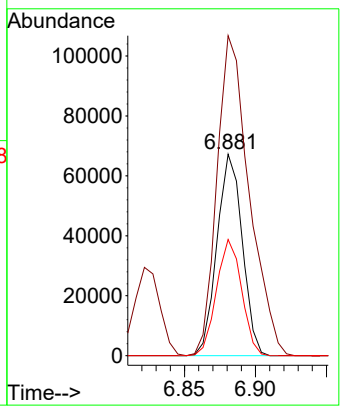


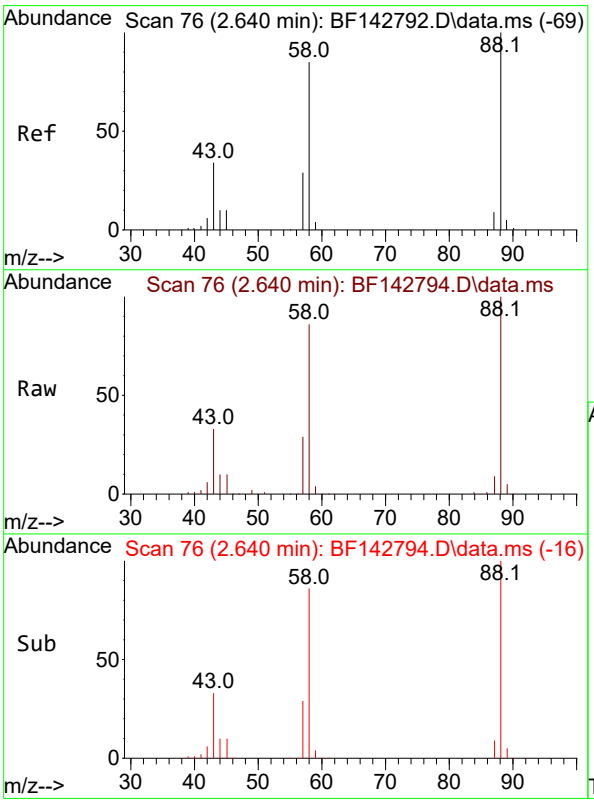
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 83273

Ion	Ratio	Lower	Upper
152	100		
150	158.8	127.2	190.8
115	57.7	46.6	69.8

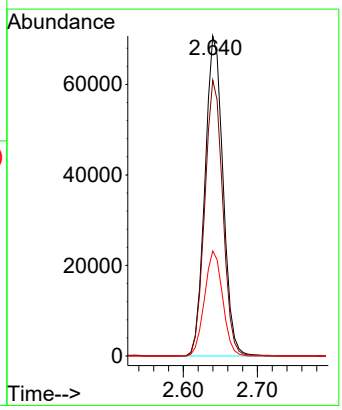


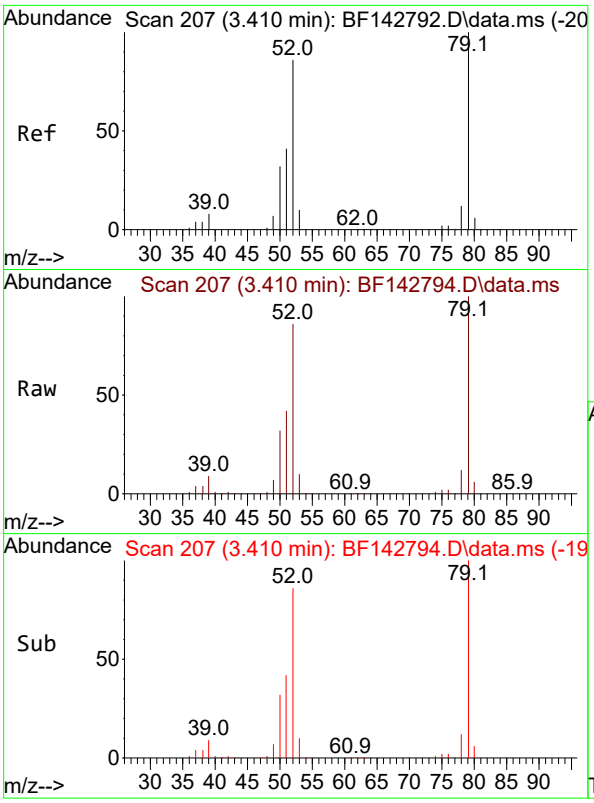


#2
1,4-Dioxane
Concen: 61.705 ng
RT: 2.640 min Scan# 76
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion: 88 Resp: 119634

Ion	Ratio	Lower	Upper
88	100		
58	85.7	69.1	103.7
43	32.8	27.4	41.2



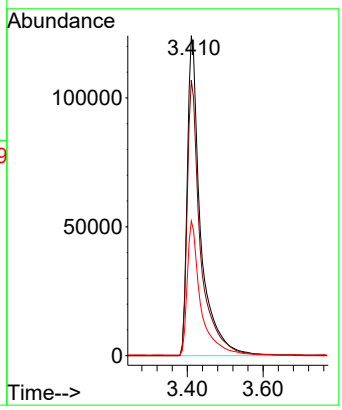


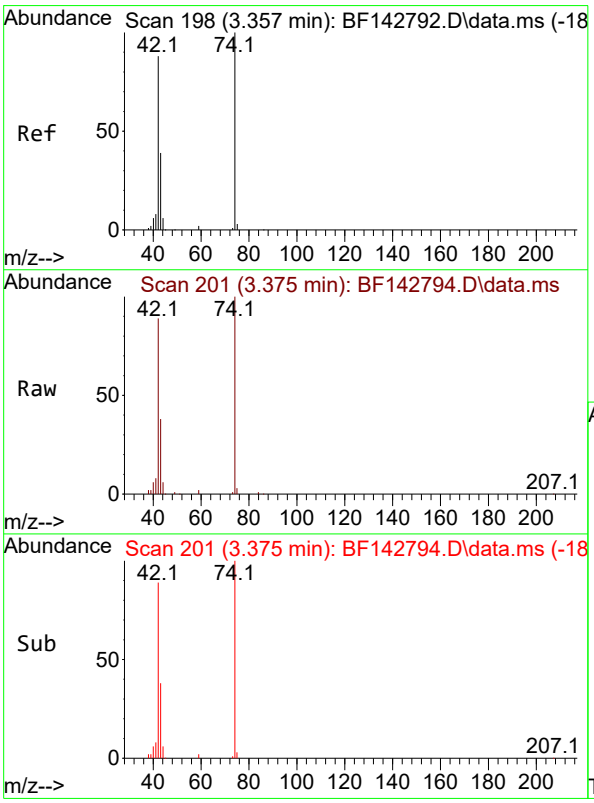
#3
Pyridine
Concen: 62.244 ng
RT: 3.410 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 302137

Ion	Ratio	Lower	Upper
79	100		
52	86.1	69.2	103.8
51	42.1	33.2	49.8

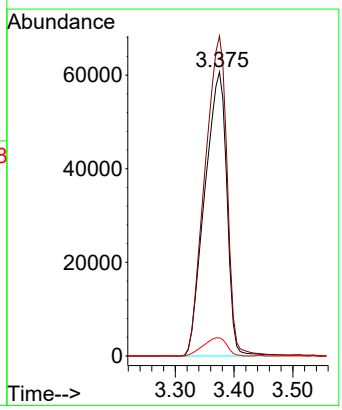


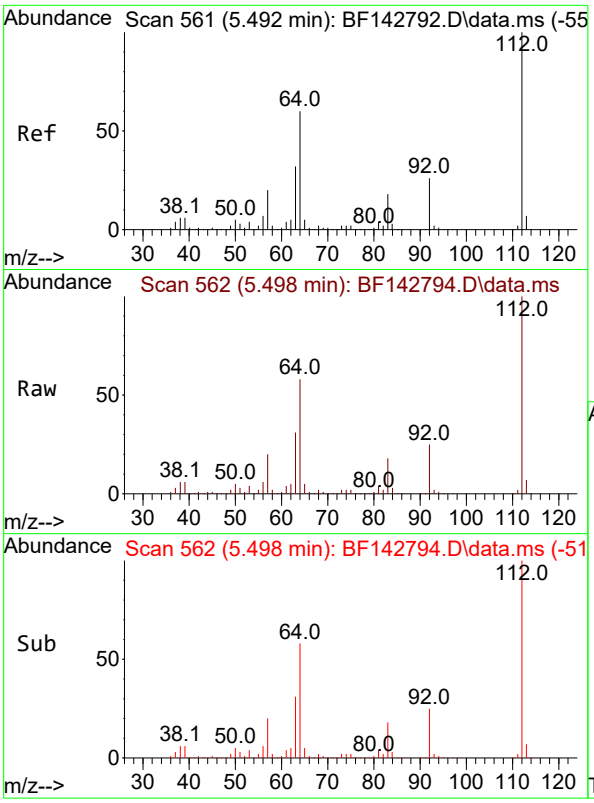


#4
n-Nitrosodimethylamine
Concen: 63.520 ng
RT: 3.375 min Scan# 201
Delta R.T. 0.018 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion: 42 Resp: 157914

Ion	Ratio	Lower	Upper
42	100		
74	112.7	90.9	136.3
44	6.4	5.8	8.6



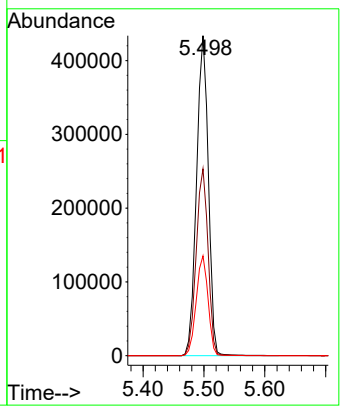


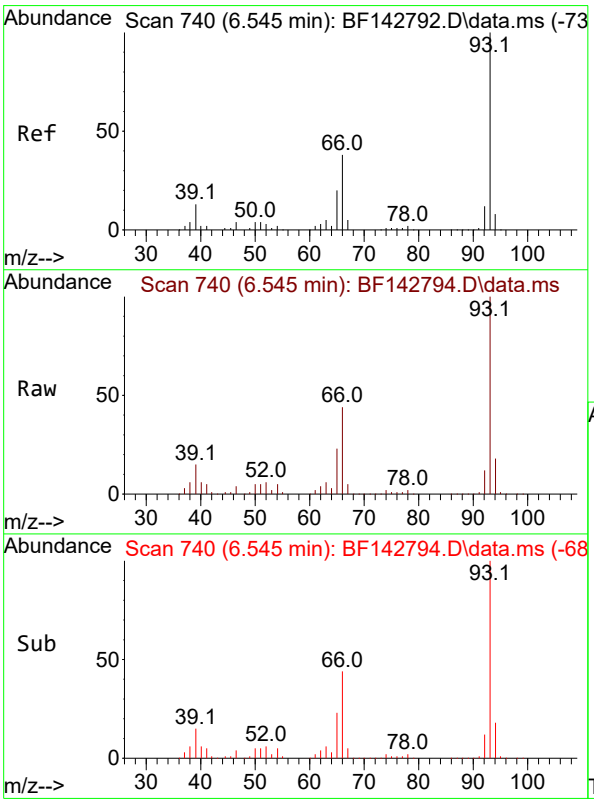
#5
2-Fluorophenol
Concen: 119.852 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 585158

Ion	Ratio	Lower	Upper
112	100		
64	58.4	48.2	72.2
63	31.2	25.7	38.5

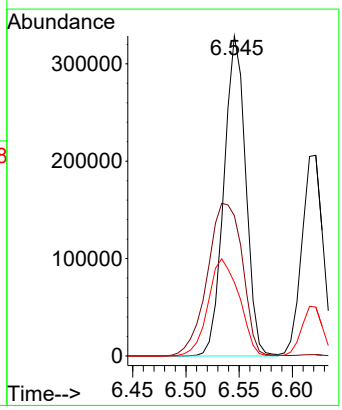


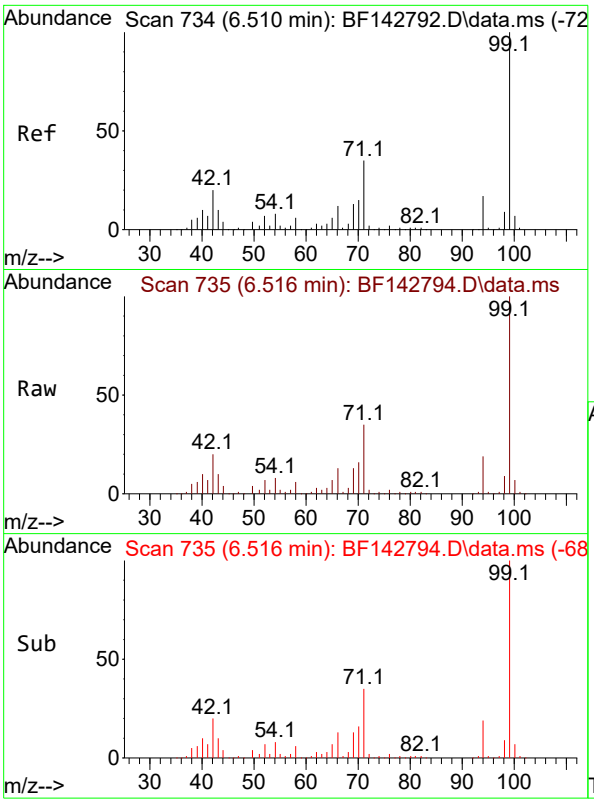


#6
Aniline
Concen: 60.761 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion: 93 Resp: 466855

Ion	Ratio	Lower	Upper
93	100		
66	43.9	31.8	47.6
65	23.0	16.2	24.2



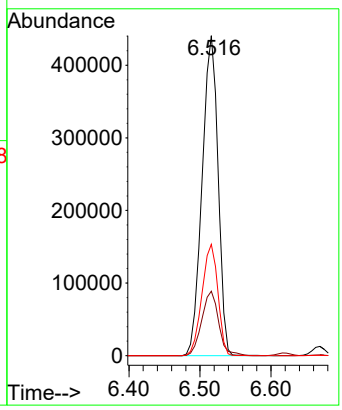


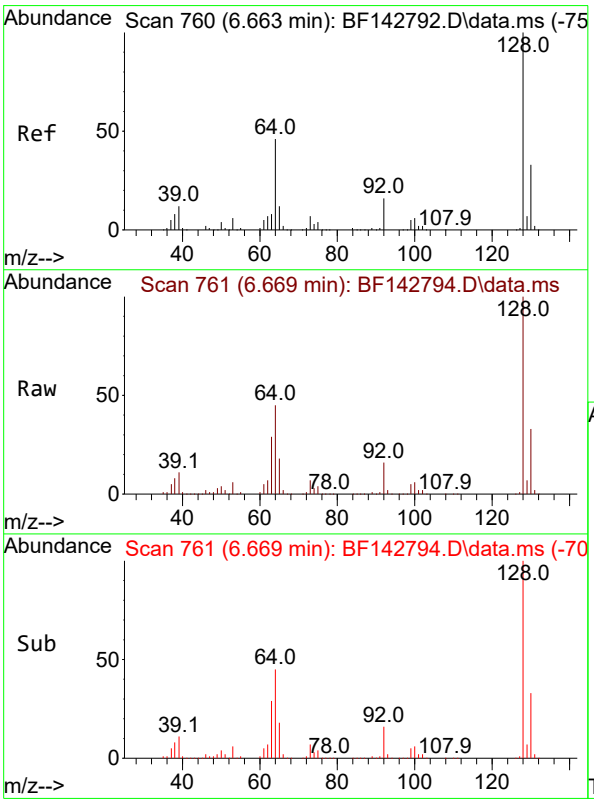
#7
Phenol-d6
Concen: 120.255 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 689436

Ion	Ratio	Lower	Upper
99	100		
42	20.2	15.9	23.9
71	34.8	27.8	41.8

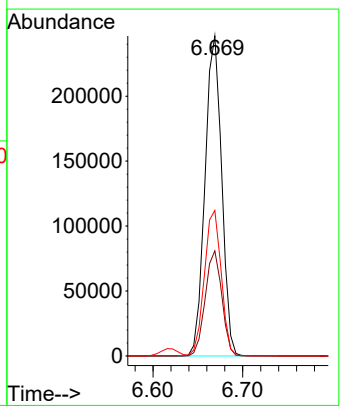


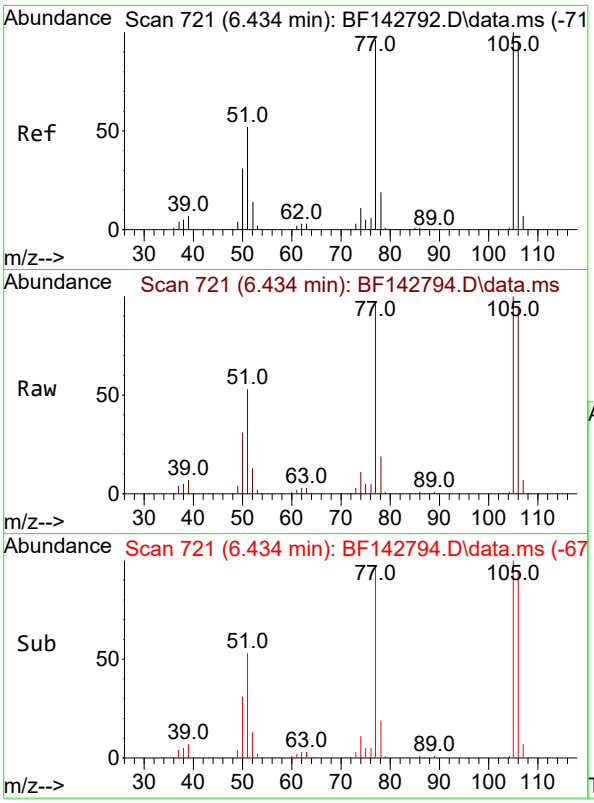


#8
2-Chlorophenol
Concen: 59.767 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:128 Resp: 317743

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.7	52.7
64	45.5	26.5	66.5



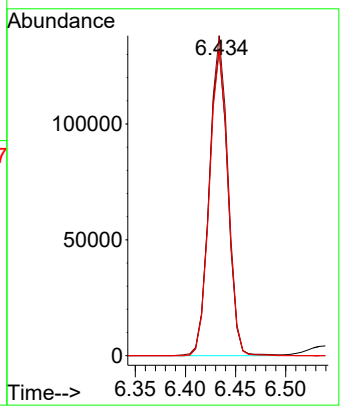


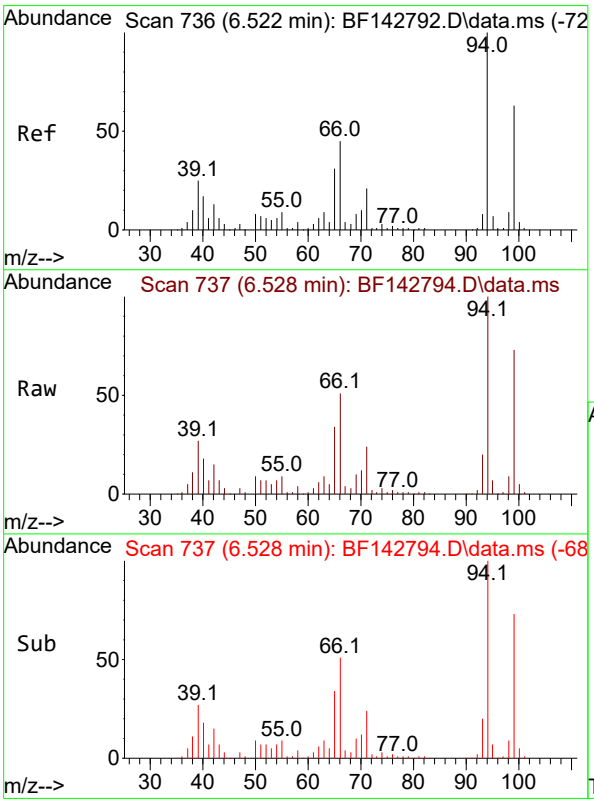
#9
Benzaldehyde
Concen: 48.878 ng
RT: 6.434 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 170843

Ion	Ratio	Lower	Upper
77	100		
105	104.2	83.8	123.8
106	99.1	78.7	118.7

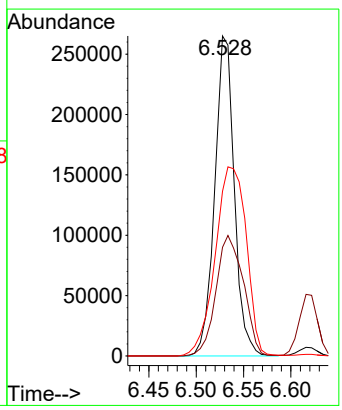


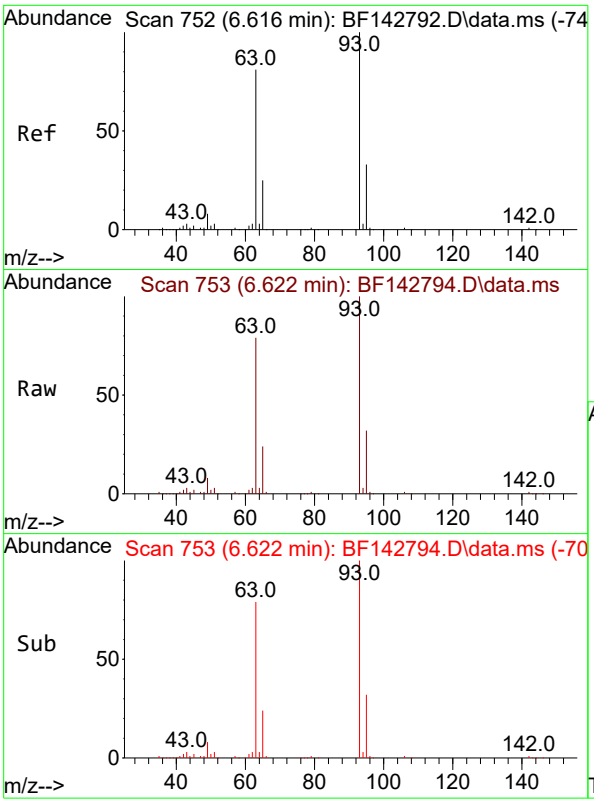


#10
Phenol
Concen: 59.780 ng
RT: 6.528 min Scan# 737
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion: 94 Resp: 382126

Ion	Ratio	Lower	Upper
94	100		
65	34.0	11.3	51.3
66	51.4	24.9	64.9



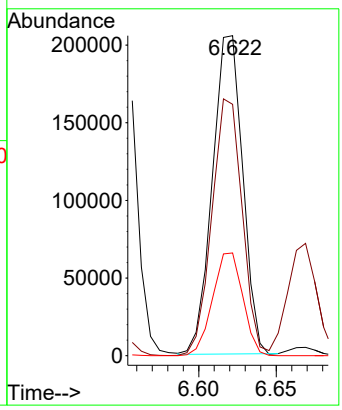


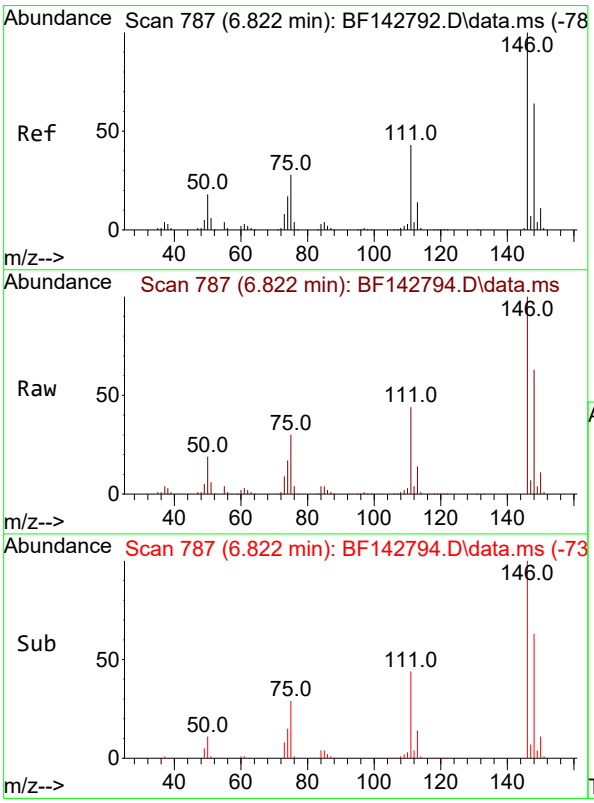
#11
bis(2-Chloroethyl)ether
Concen: 58.802 ng
RT: 6.622 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 278869

Ion	Ratio	Lower	Upper
93	100		
63	78.5	60.3	100.3
95	32.1	12.5	52.5

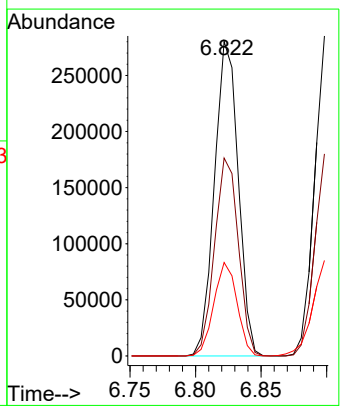


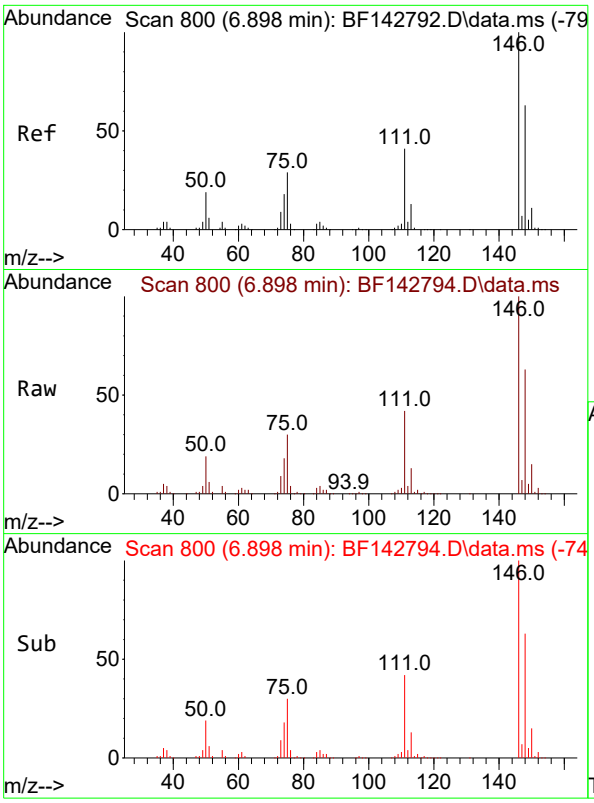


#12
1,3-Dichlorobenzene
Concen: 58.337 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:146 Resp: 353155

Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.1	76.7
75	29.7	22.7	34.1



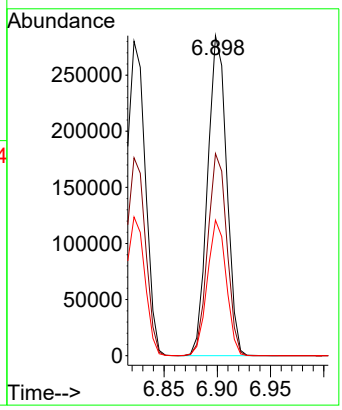


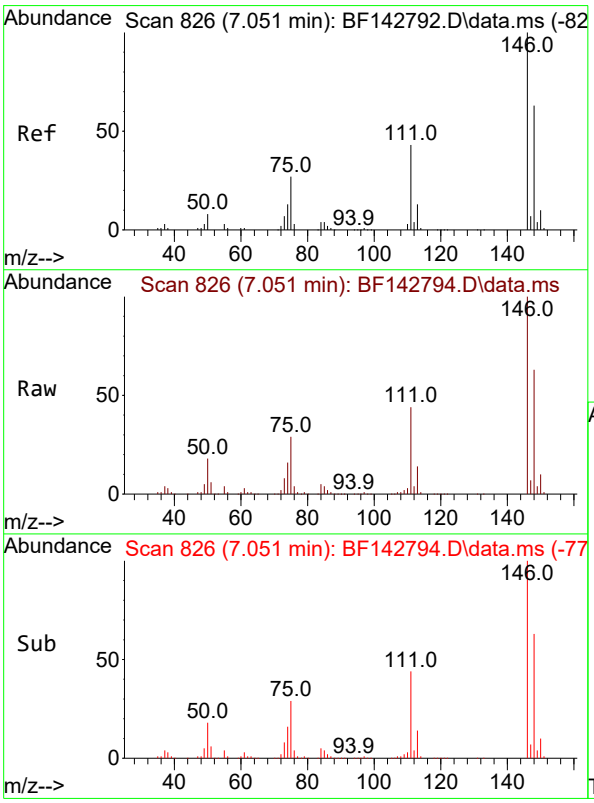
#13
1,4-Dichlorobenzene
Concen: 58.035 ng
RT: 6.898 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 356089

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.2	75.2
111	42.4	33.2	49.8

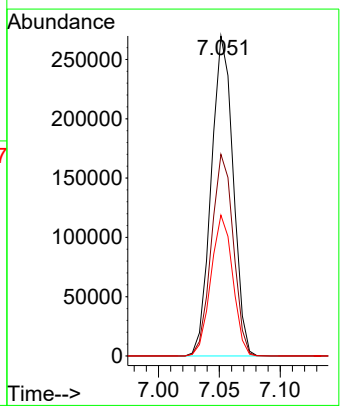


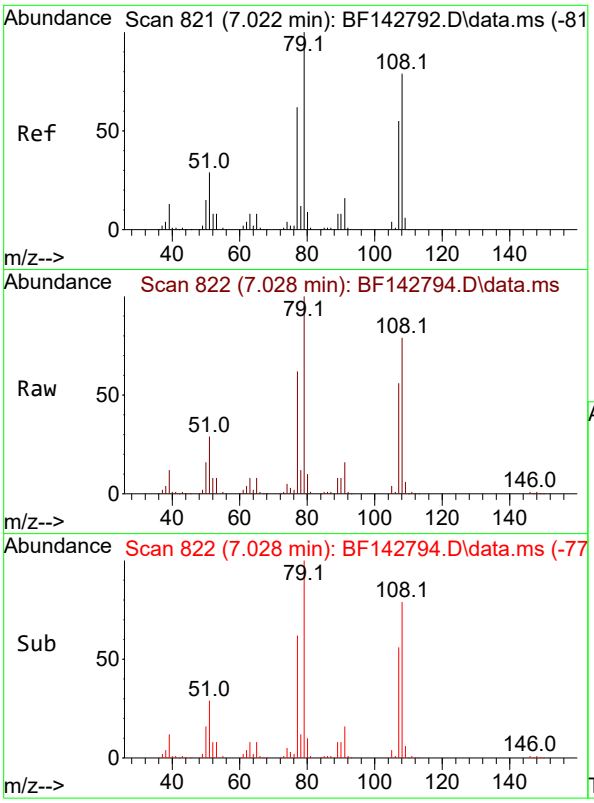


#14
1,2-Dichlorobenzene
Concen: 57.645 ng
RT: 7.051 min Scan# 826
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:146 Resp: 338121

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.4	75.6
111	44.0	34.1	51.1



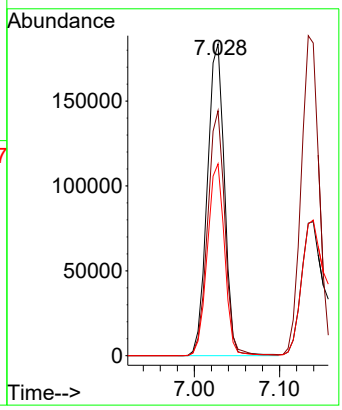


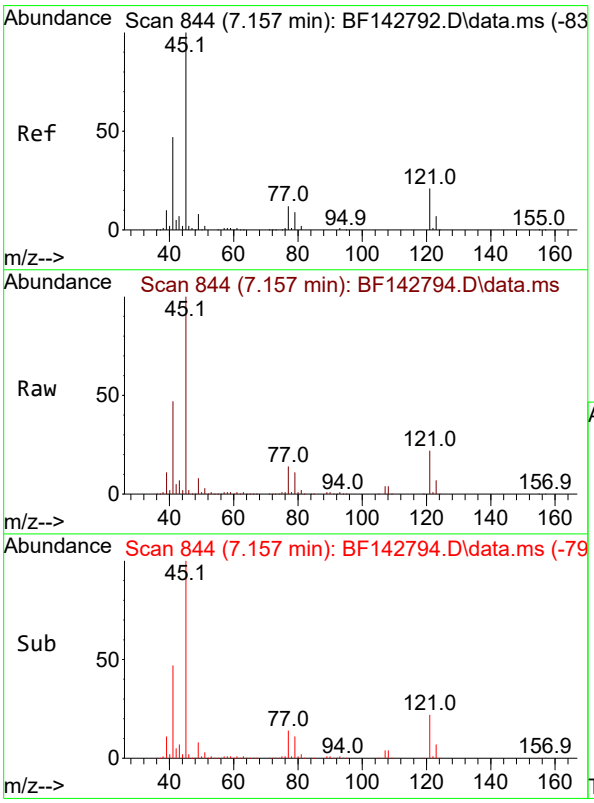
#15
Benzyl Alcohol
Concen: 60.062 ng
RT: 7.028 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 257749

Ion	Ratio	Lower	Upper
79	100		
108	78.6	63.4	95.0
77	61.5	49.5	74.3

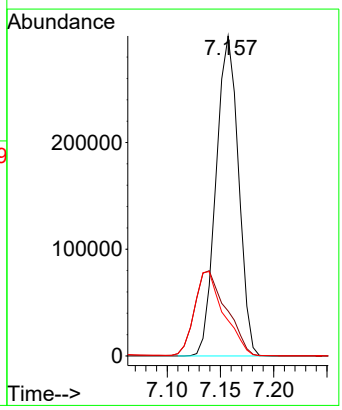


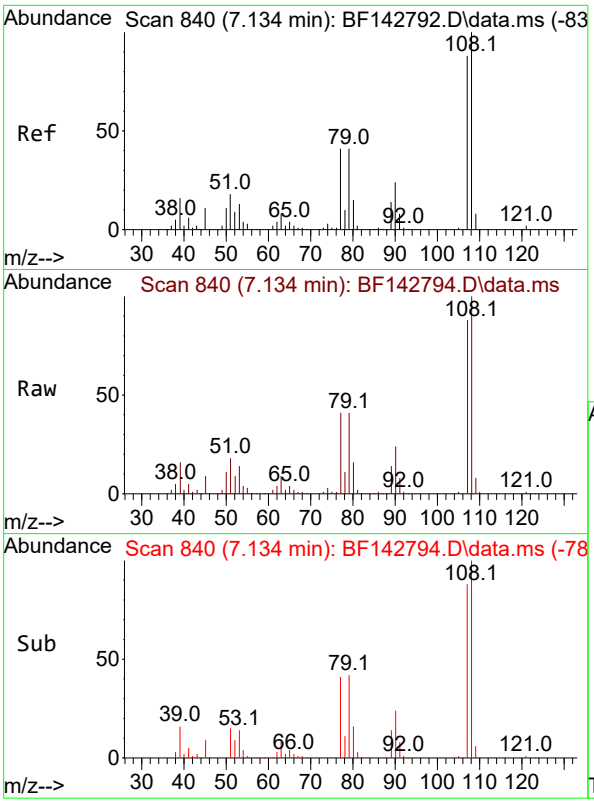


#16
2,2'-oxybis(1-Chloropropane)
Concen: 58.763 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion: 45 Resp: 439082

Ion	Ratio	Lower	Upper
45	100		
77	14.0	0.0	32.8
79	11.1	0.0	29.8



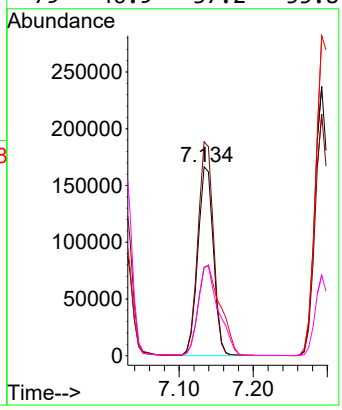


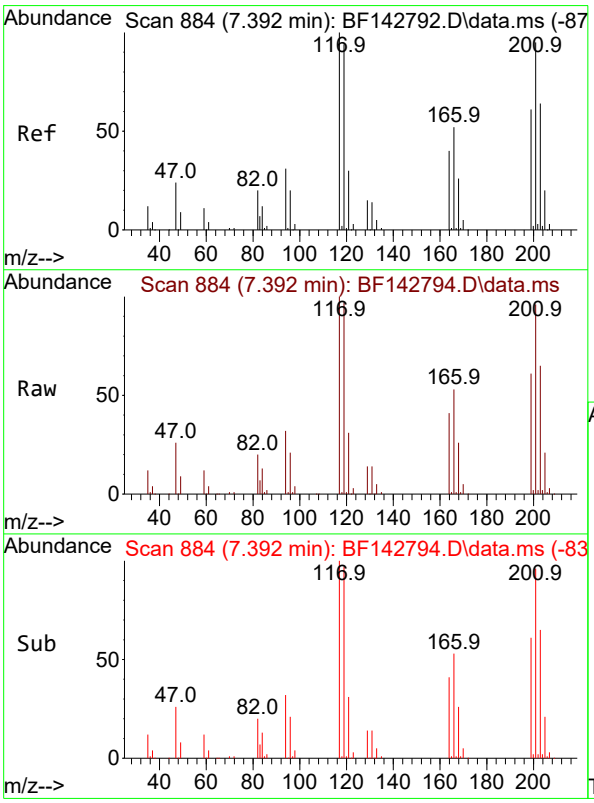
#17
2-Methylphenol
Concen: 59.716 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 242711

Ion	Ratio	Lower	Upper
107	100		
108	113.2	90.9	136.3
77	46.6	37.3	55.9
79	46.9	37.2	55.8

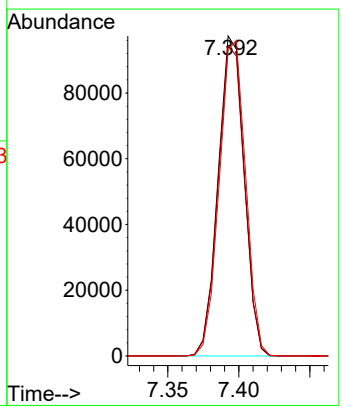


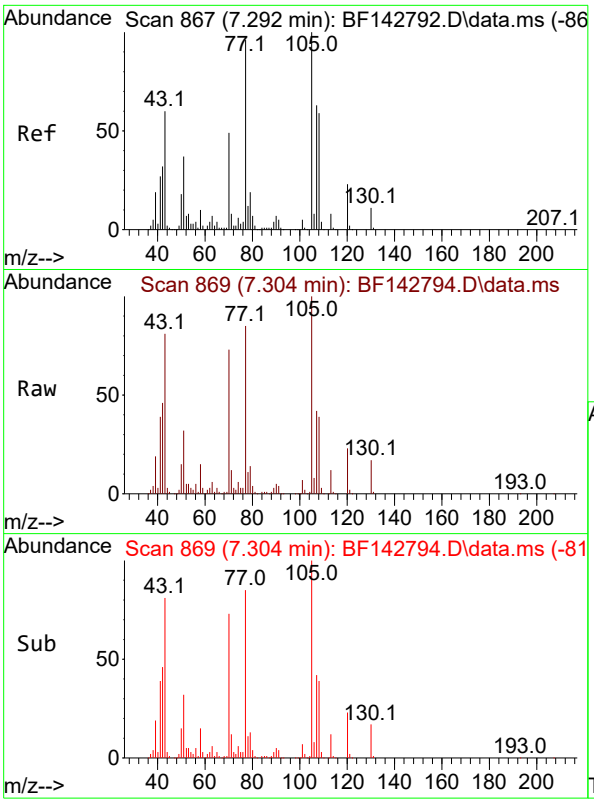


#18
Hexachloroethane
Concen: 56.741 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:117 Resp: 124457

Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.4	113.0
201	95.6	75.9	113.9



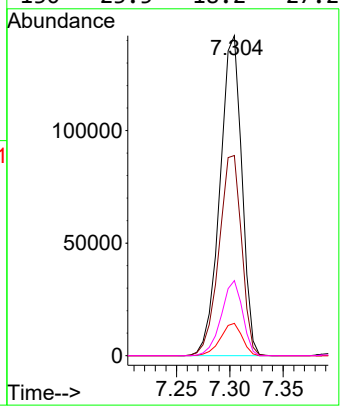


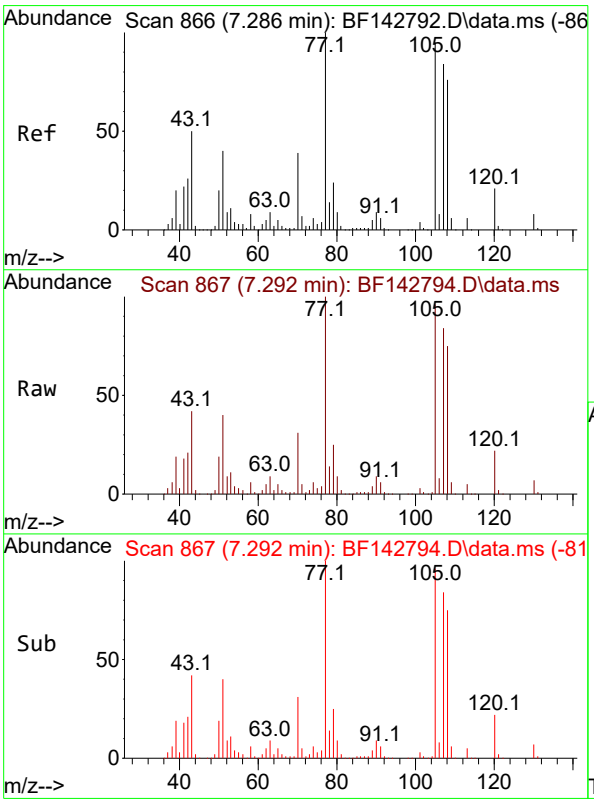
#19
n-Nitroso-di-n-propylamine
Concen: 56.123 ng
RT: 7.304 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 202914

Ion	Ratio	Lower	Upper
70	100		
42	62.6	52.1	78.1
101	10.1	8.2	12.2
130	23.5	18.2	27.2

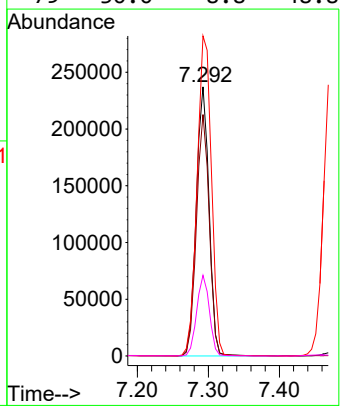


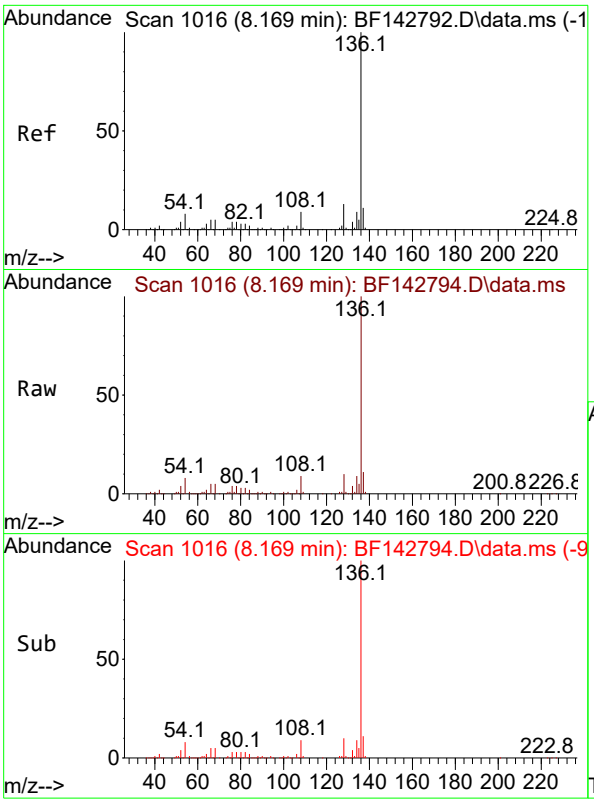


#20
3+4-Methylphenols
Concen: 58.442 ng
RT: 7.292 min Scan# 867
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:107 Resp: 298960

Ion	Ratio	Lower	Upper
107	100		
108	89.7	70.0	110.0
77	118.9	98.5	138.5
79	30.0	8.8	48.8



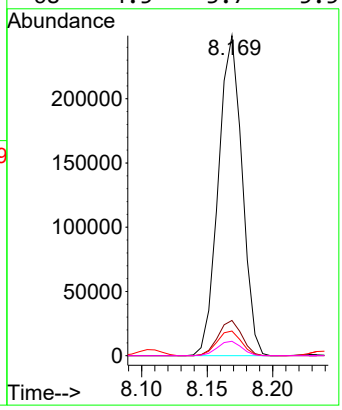


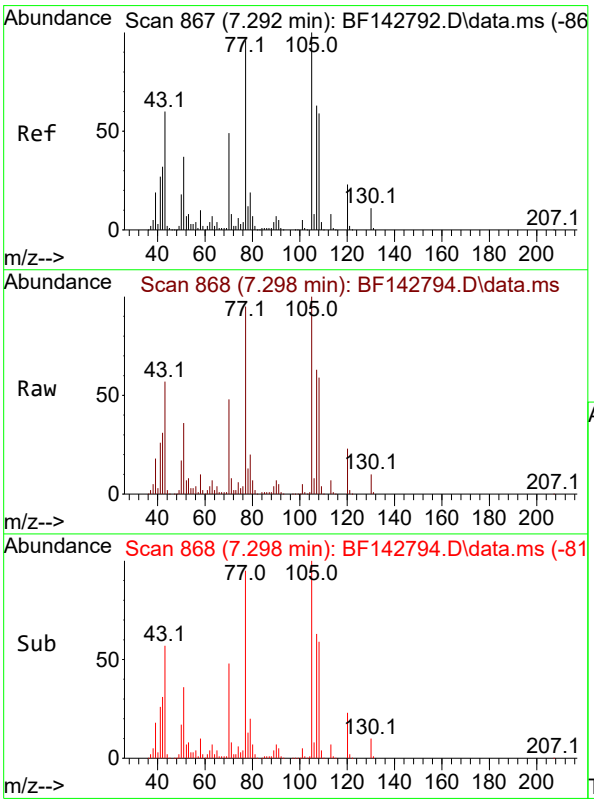
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 313390

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	7.7	6.3	9.5
68	4.5	3.7	5.5

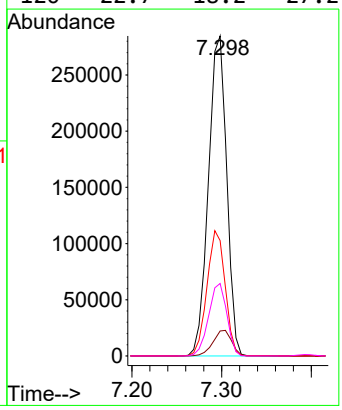


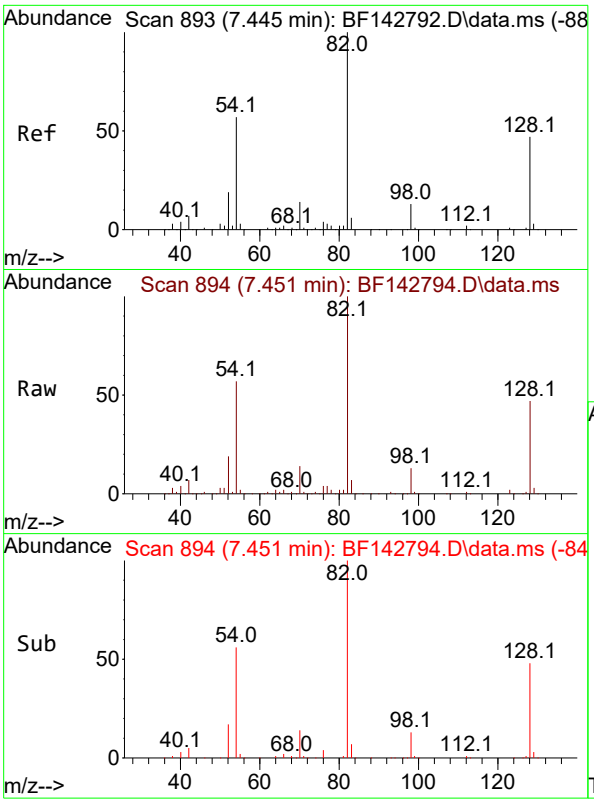


#22
Acetophenone
Concen: 58.063 ng
RT: 7.298 min Scan# 868
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:105 Resp: 402615

Ion	Ratio	Lower	Upper
105	100		
71	7.8	6.5	9.7
51	36.1	29.8	44.8
120	22.7	18.2	27.2



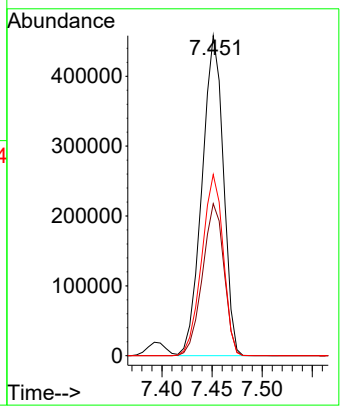


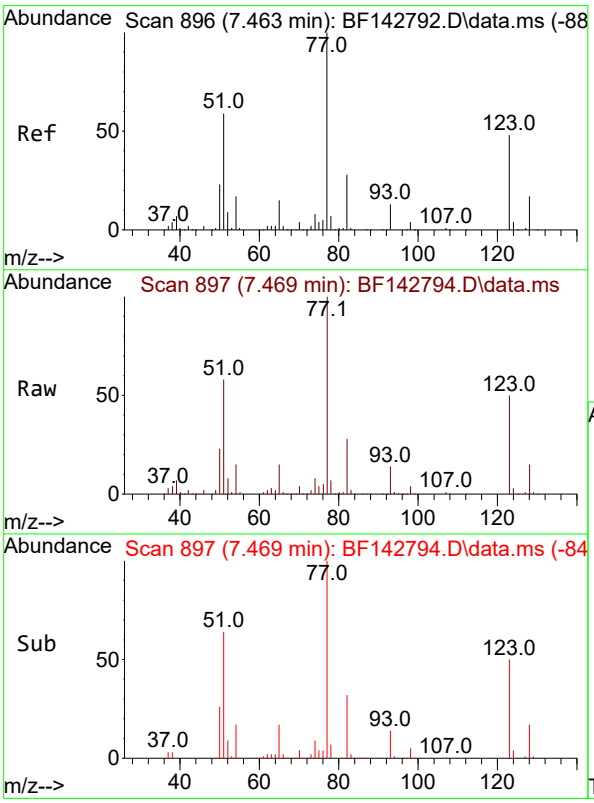
#23
Nitrobenzene-d5
Concen: 119.003 ng
RT: 7.451 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 680402

Ion	Ratio	Lower	Upper
82	100		
128	47.5	37.7	56.5
54	56.6	45.7	68.5

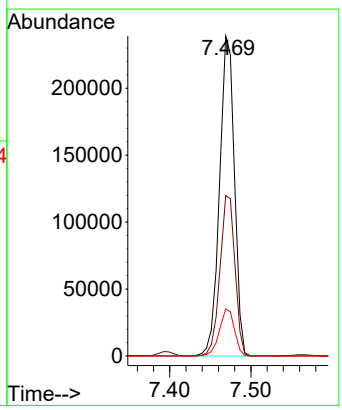


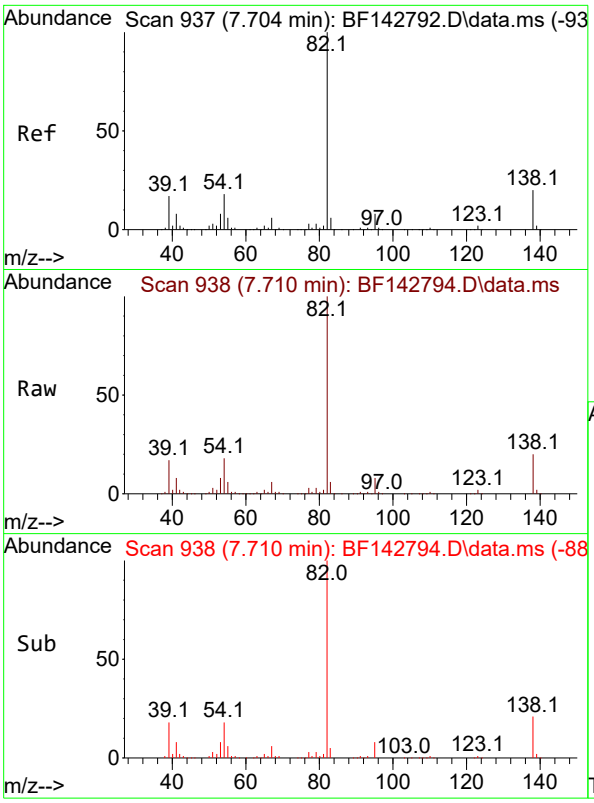


#24
Nitrobenzene
Concen: 60.229 ng
RT: 7.469 min Scan# 897
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion: 77 Resp: 306032

Ion	Ratio	Lower	Upper
77	100		
123	50.1	39.2	58.8
65	14.7	11.6	17.4



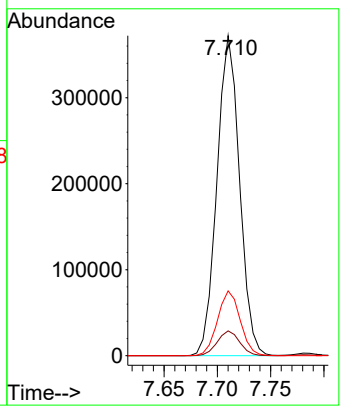


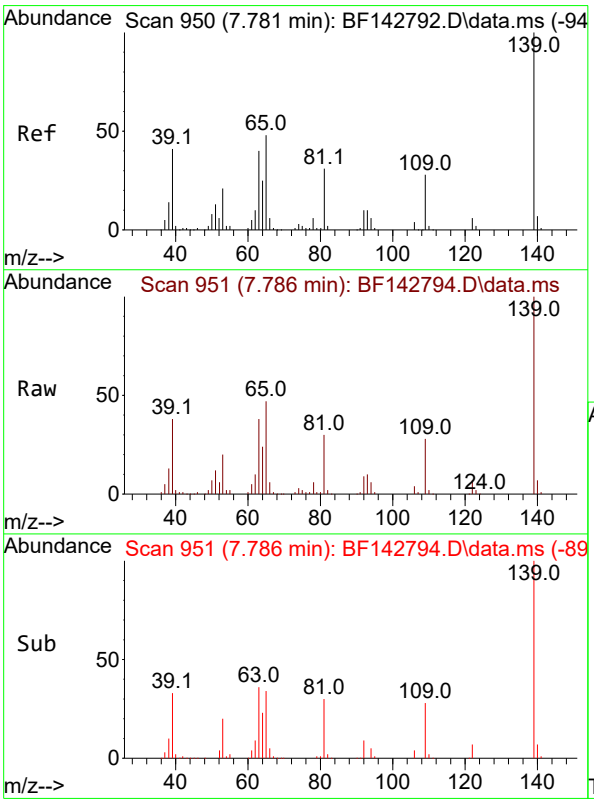
#25
Isophorone
Concen: 57.216 ng
RT: 7.710 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 548612

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.2	9.2
138	20.3	16.2	24.4

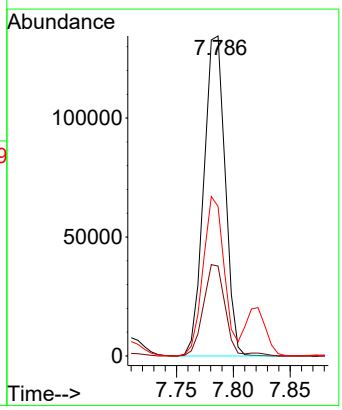


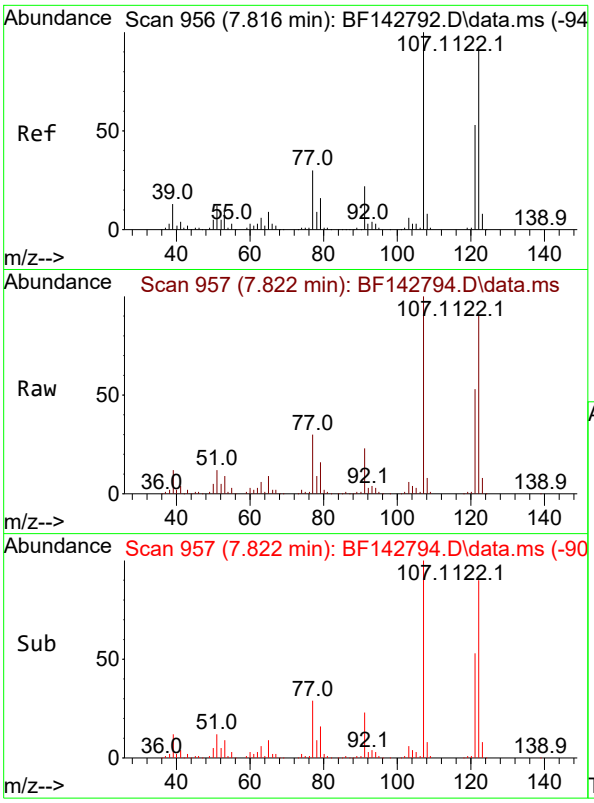


#26
2-Nitrophenol
Concen: 61.836 ng
RT: 7.786 min Scan# 951
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:139 Resp: 175072

Ion	Ratio	Lower	Upper
139	100		
109	28.1	22.7	34.1
65	46.8	38.6	58.0



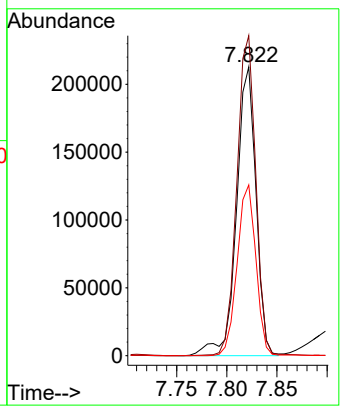


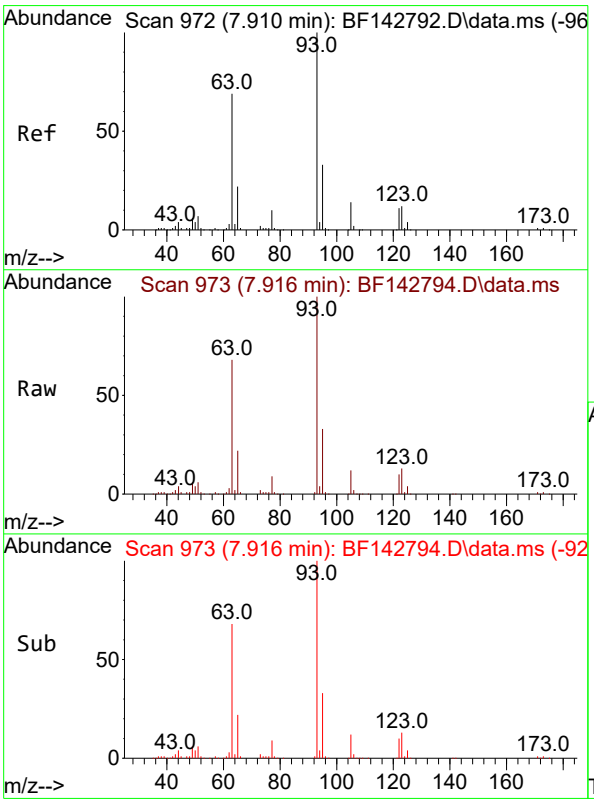
#27
2,4-Dimethylphenol
Concen: 59.859 ng
RT: 7.822 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 288532

Ion	Ratio	Lower	Upper
122	100		
107	110.8	88.0	132.0
121	59.1	46.3	69.5

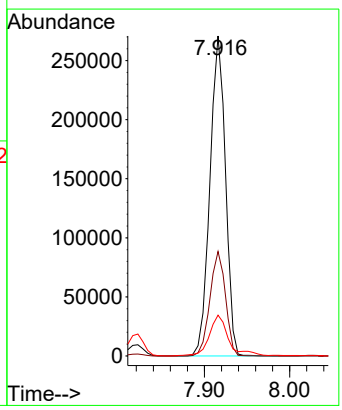


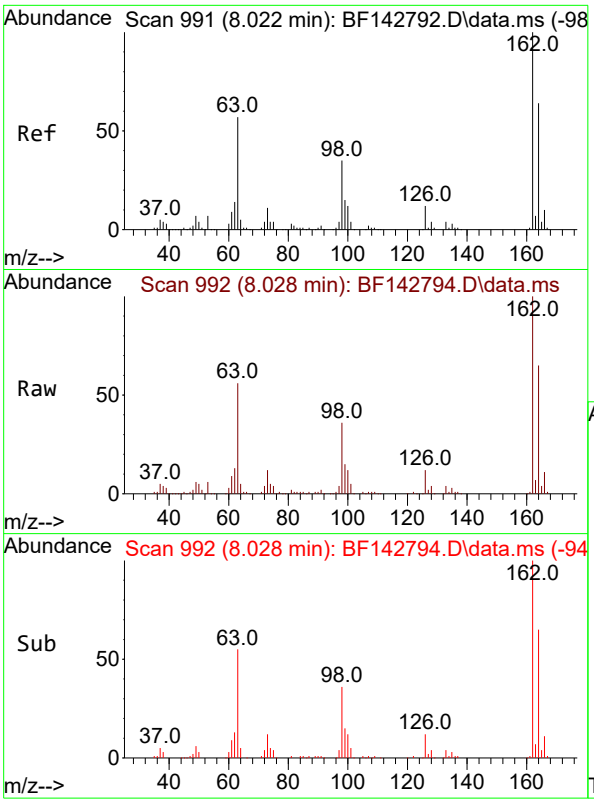


#28
bis(2-Chloroethoxy)methane
Concen: 57.620 ng
RT: 7.916 min Scan# 973
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion: 93 Resp: 343925

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.2
123	12.8	9.9	14.9



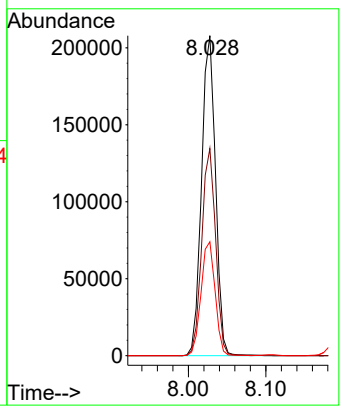


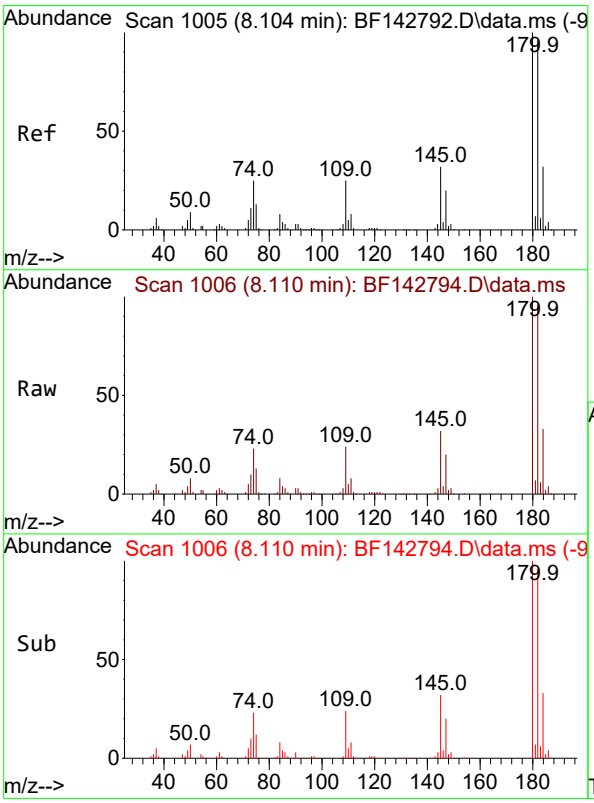
#29
2,4-Dichlorophenol
Concen: 58.574 ng
RT: 8.028 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 260228

Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.0	84.0
98	35.6	15.4	55.4

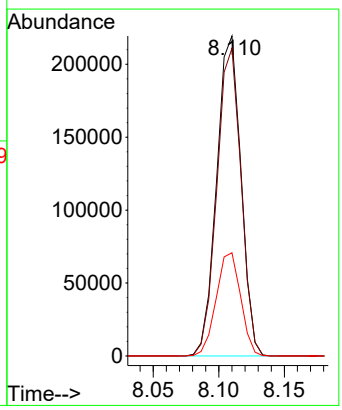


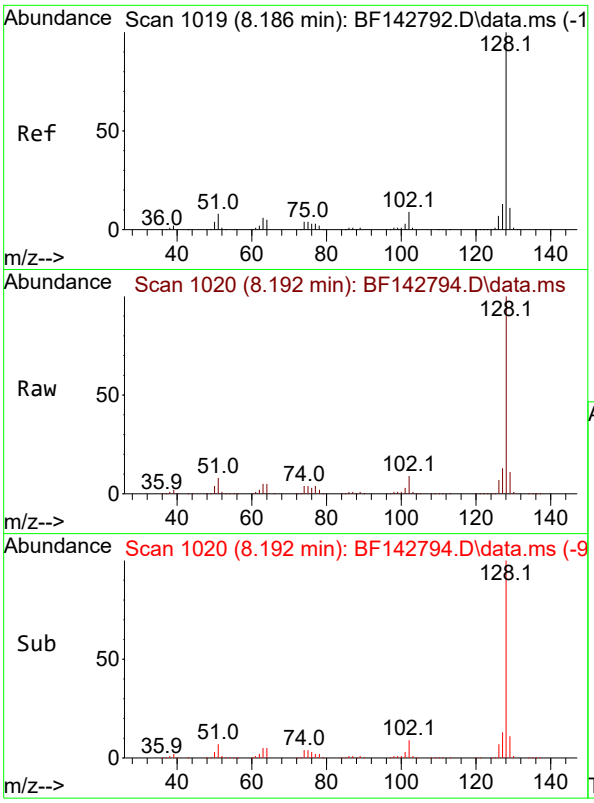


#30
1,2,4-Trichlorobenzene
Concen: 57.608 ng
RT: 8.110 min Scan# 1006
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:180 Resp: 282721

Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.4	114.6
145	32.2	25.8	38.8



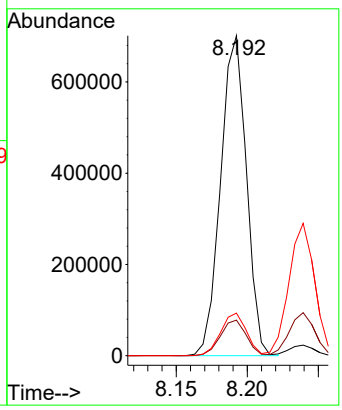


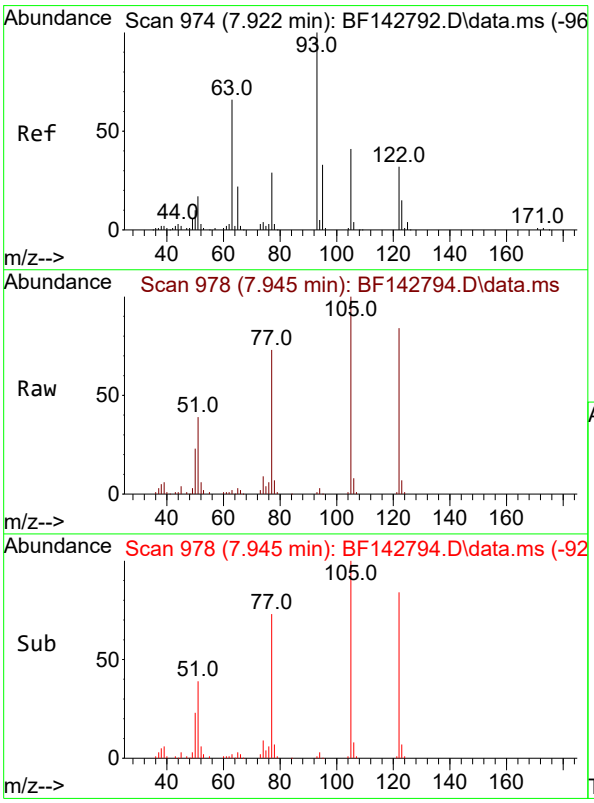
#31
Naphthalene
Concen: 57.524 ng
RT: 8.192 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 886614

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.3	10.4	15.6

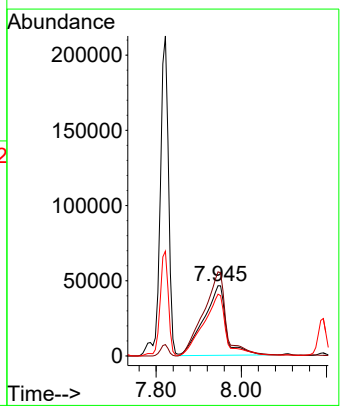


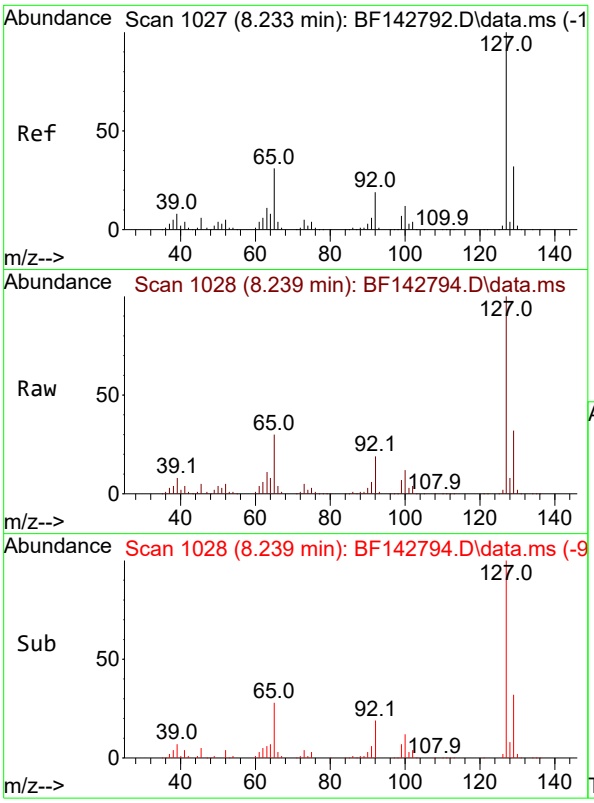


#32
Benzoic acid
Concen: 63.369 ng
RT: 7.945 min Scan# 978
Delta R.T. 0.024 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:122 Resp: 169471

Ion	Ratio	Lower	Upper
122	100		
105	119.7	104.7	144.7
77	87.9	70.2	110.2



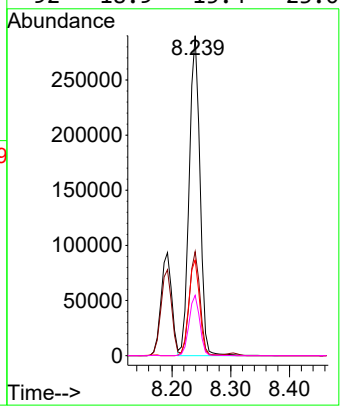


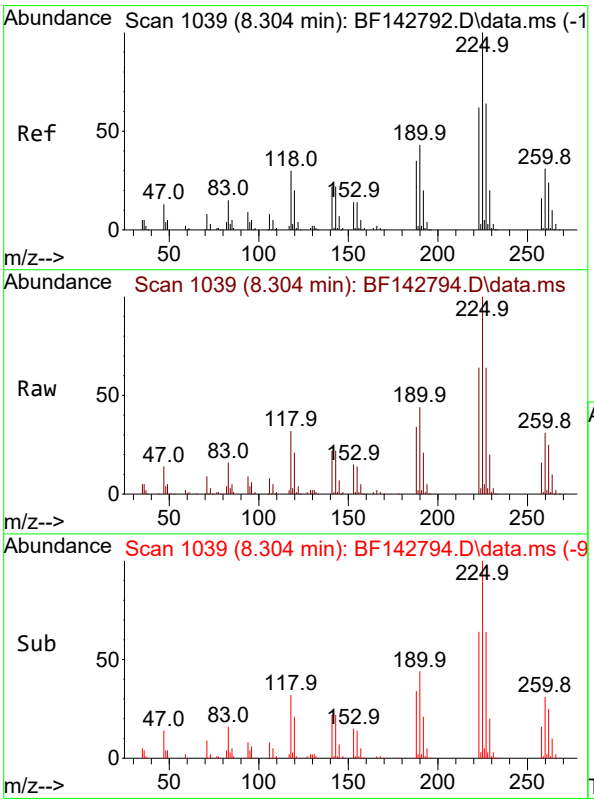
#33
4-Chloroaniline
Concen: 59.887 ng
RT: 8.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 369911

Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.9	38.9
65	29.9	24.6	36.8
92	18.9	15.4	23.0

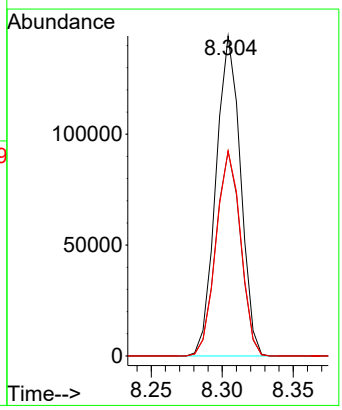


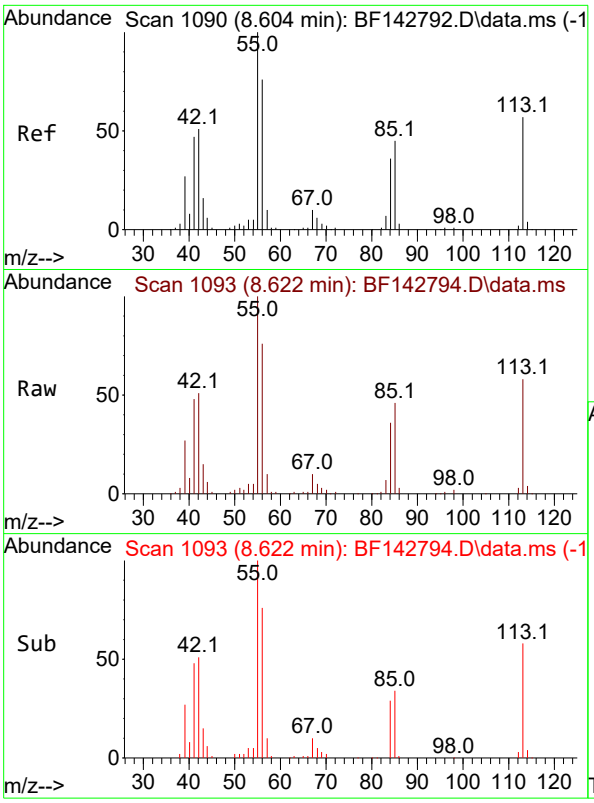


#34
Hexachlorobutadiene
Concen: 55.768 ng
RT: 8.304 min Scan# 1039
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:225 Resp: 173425

Ion	Ratio	Lower	Upper
225	100		
223	64.0	49.9	74.9
227	64.0	51.4	77.0



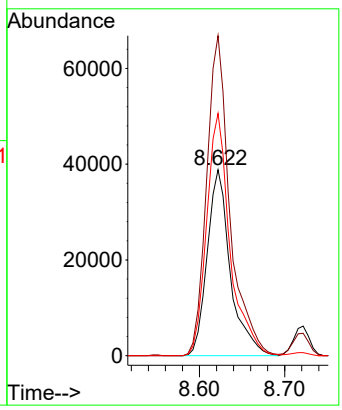


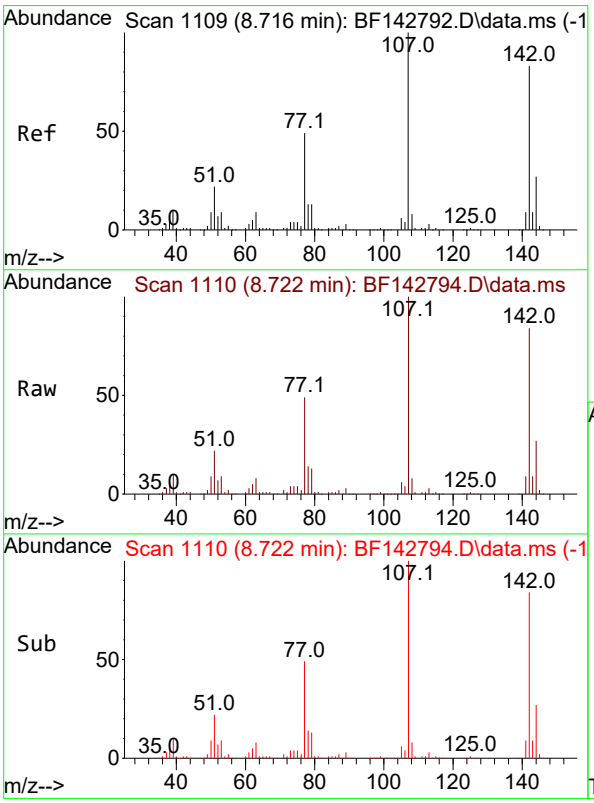
#35
Caprolactam
Concen: 61.157 ng
RT: 8.622 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 73108

Ion	Ratio	Lower	Upper
113	100		
55	172.2	154.4	194.4
56	130.3	112.1	152.1

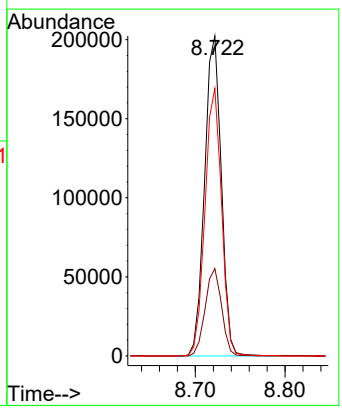


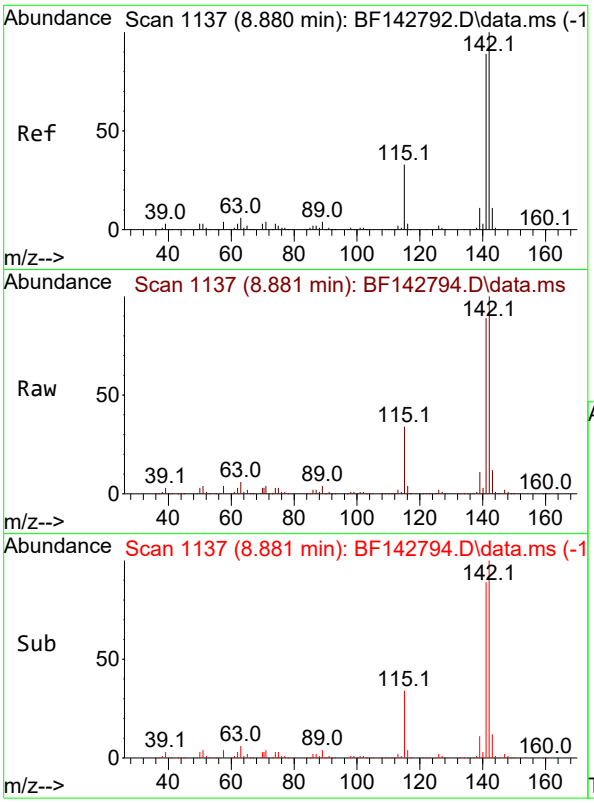


#36
4-Chloro-3-methylphenol
Concen: 56.927 ng
RT: 8.722 min Scan# 1110
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:107 Resp: 261249

Ion	Ratio	Lower	Upper
107	100		
144	27.3	21.3	31.9
142	83.6	66.6	100.0



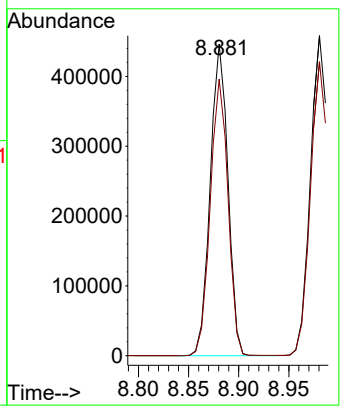


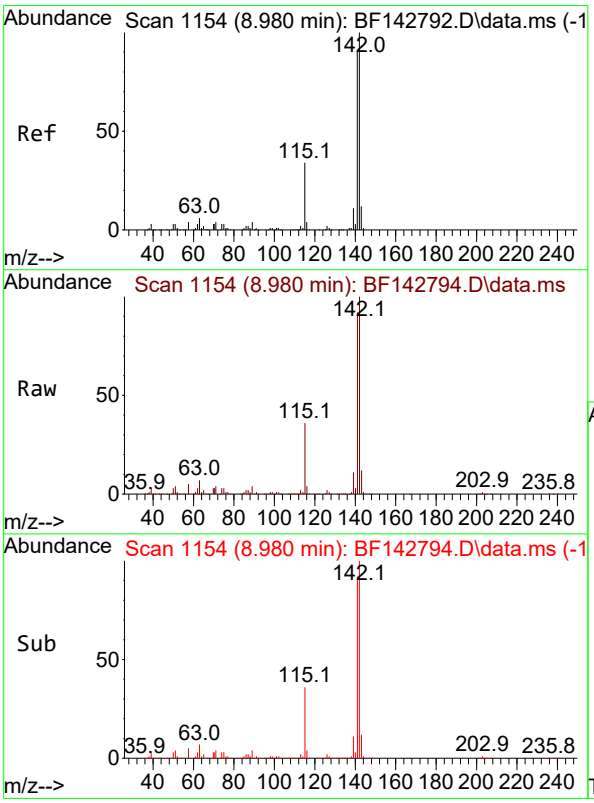
#37
2-Methylnaphthalene
Concen: 56.406 ng
RT: 8.881 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 548439

Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.9	106.3

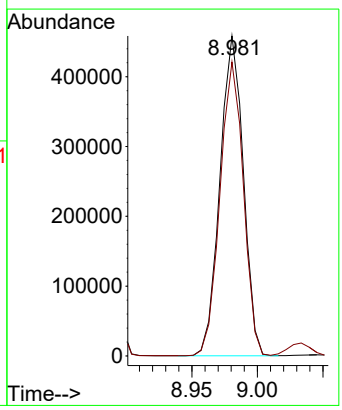


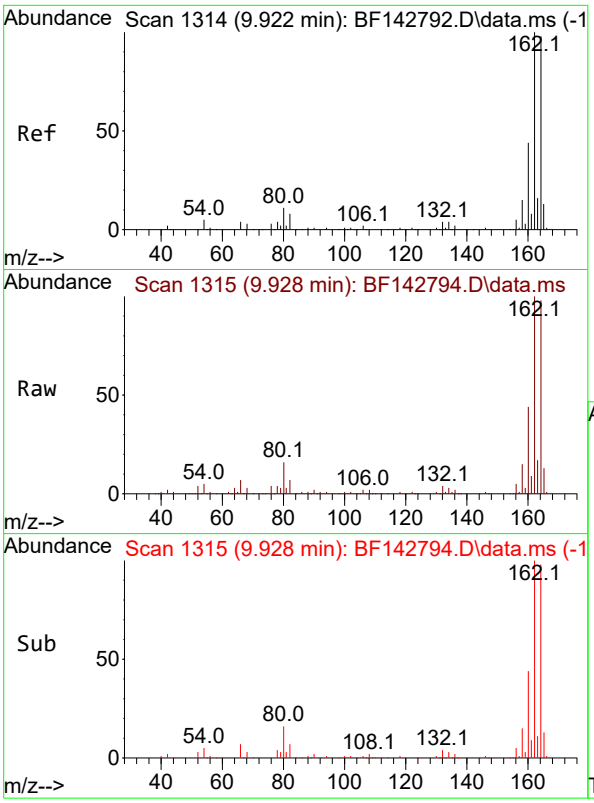


#38
1-Methylnaphthalene
Concen: 56.247 ng
RT: 8.980 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:142 Resp: 567801

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.0	109.4



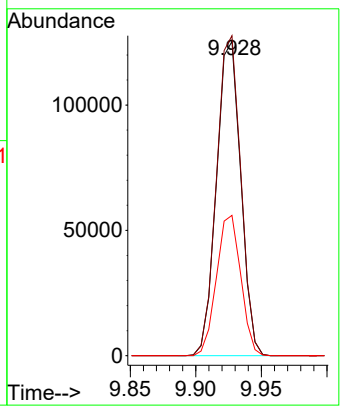


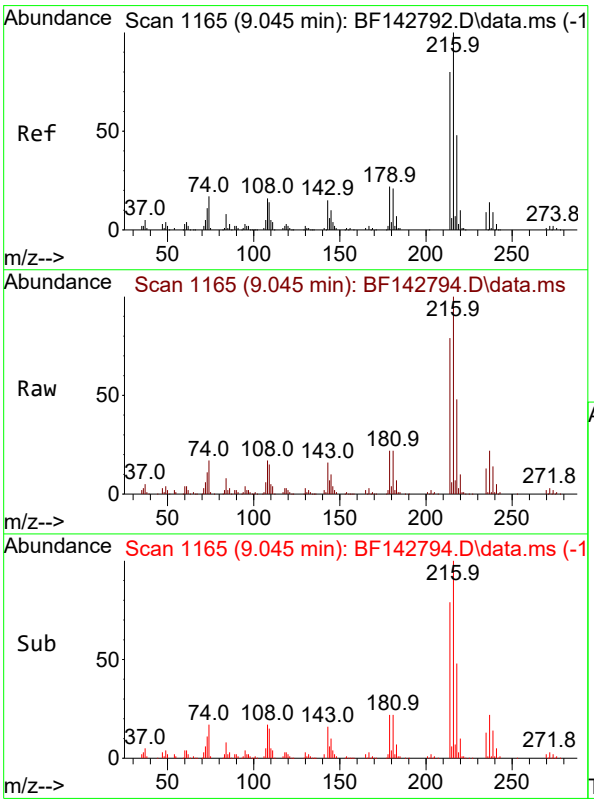
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 161044

Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.8	122.8
160	44.7	36.0	54.0

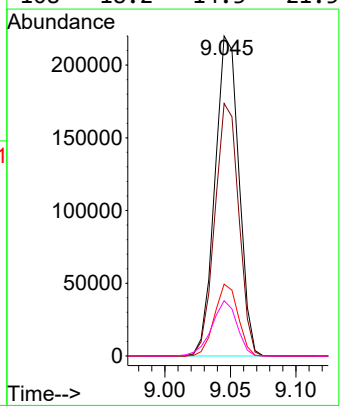


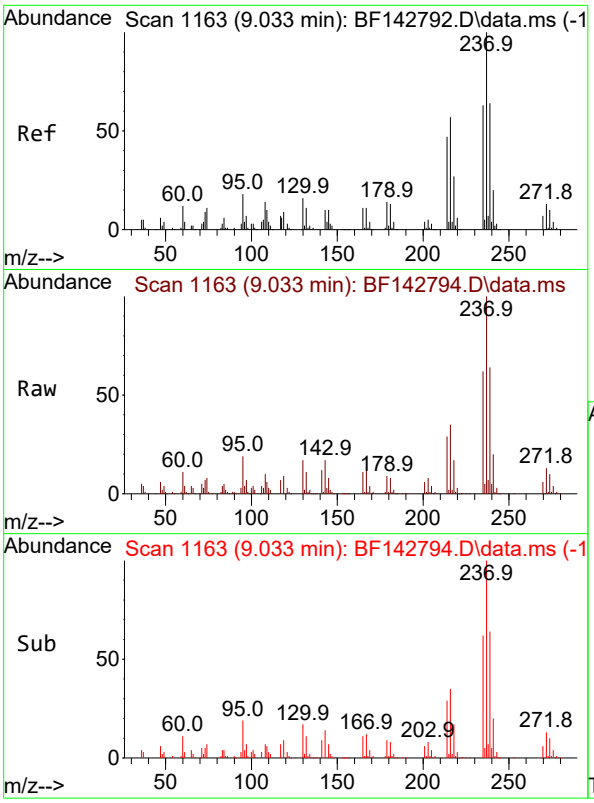


#40
1,2,4,5-Tetrachlorobenzene
Concen: 59.918 ng
RT: 9.045 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:216 Resp: 278551

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.7	95.5
179	22.1	17.6	26.4
108	18.2	14.3	21.5



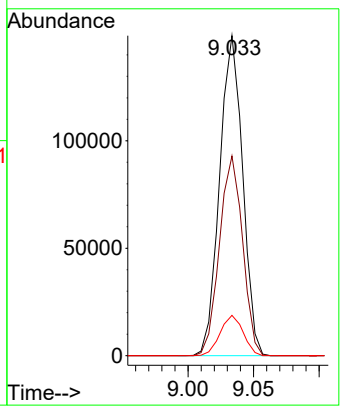


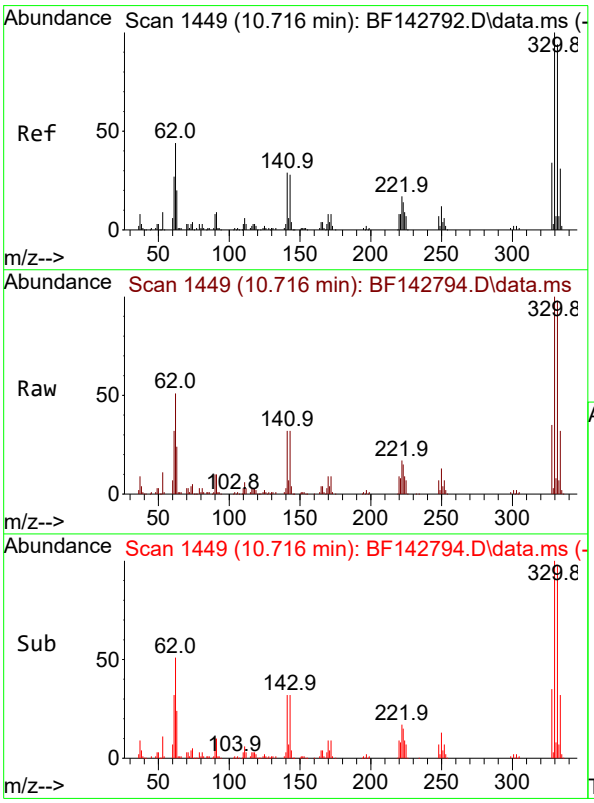
#41
Hexachlorocyclopentadiene
Concen: 61.835 ng
RT: 9.033 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 181771

Ion	Ratio	Lower	Upper
237	100		
235	62.4	43.4	83.4
272	12.6	0.0	32.7

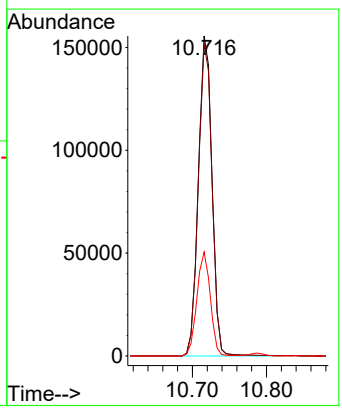


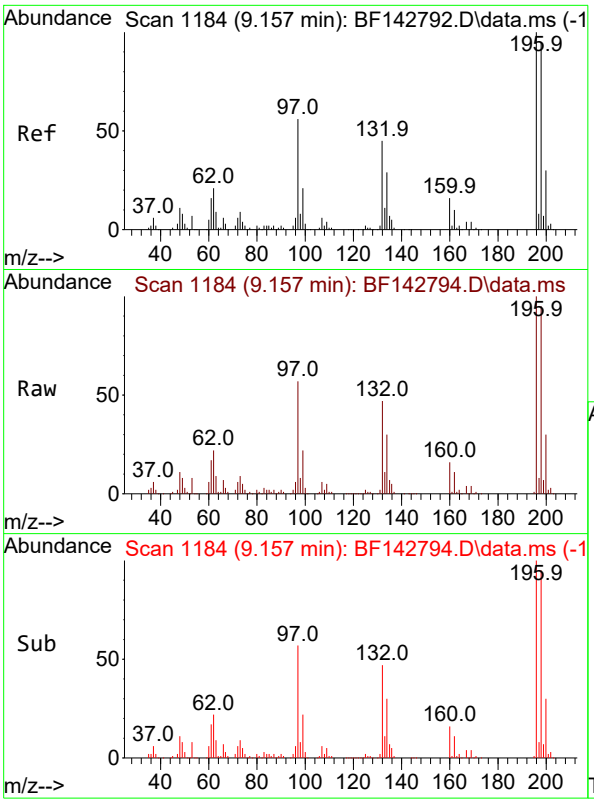


#42
2,4,6-Tribromophenol
Concen: 113.541 ng
RT: 10.716 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:330 Resp: 198721

Ion	Ratio	Lower	Upper
330	100		
332	98.3	75.0	112.6
141	32.0	25.3	37.9



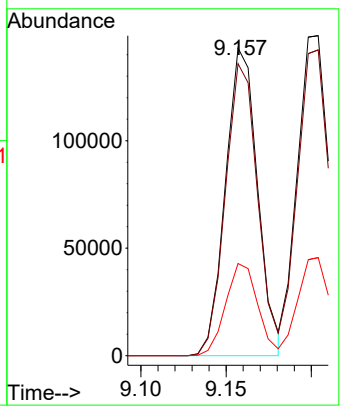


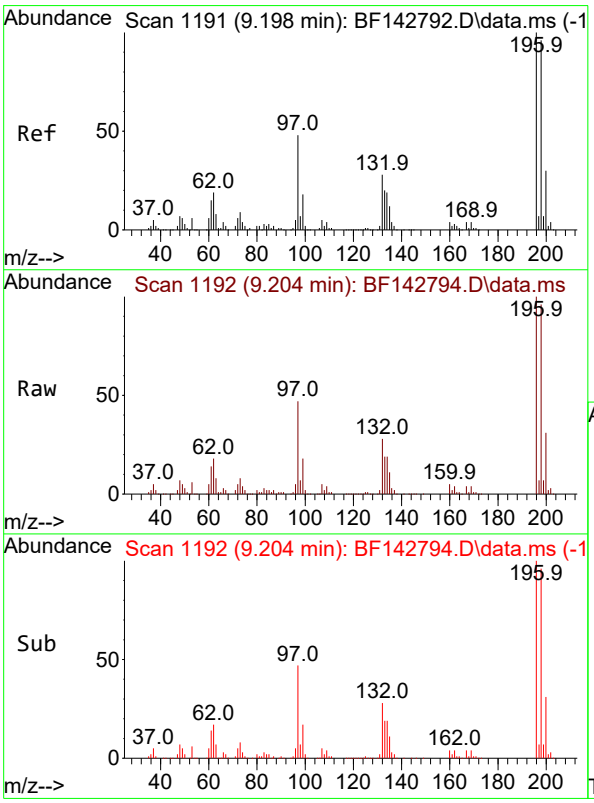
#43
2,4,6-Trichlorophenol
Concen: 62.392 ng
RT: 9.157 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 187708

Ion	Ratio	Lower	Upper
196	100		
198	94.9	76.2	114.2
200	29.9	24.1	36.1

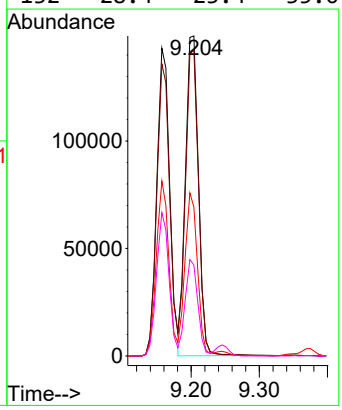


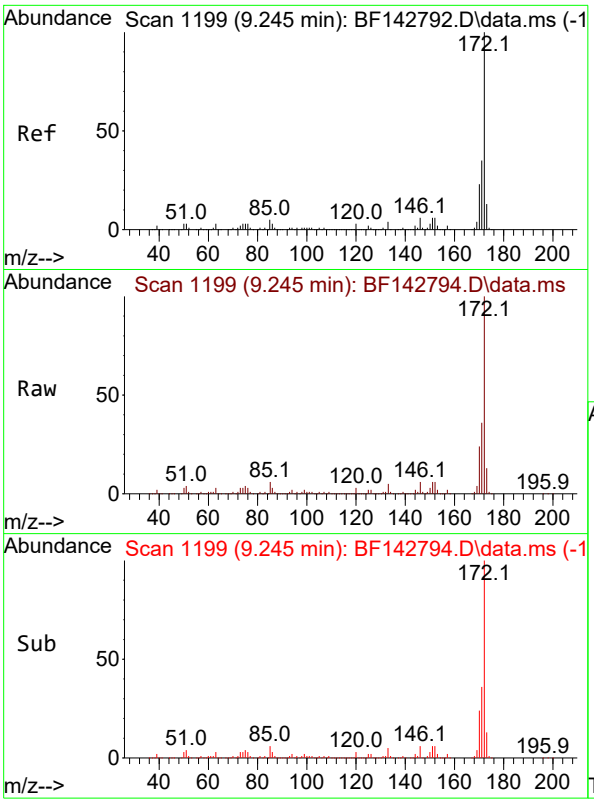


#44
2,4,5-Trichlorophenol
Concen: 60.565 ng
RT: 9.204 min Scan# 1192
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:196 Resp: 196769

Ion	Ratio	Lower	Upper
196	100		
198	95.6	76.6	115.0
97	46.6	38.2	57.2
132	28.4	23.4	35.0



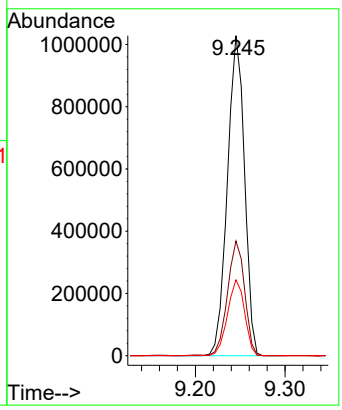


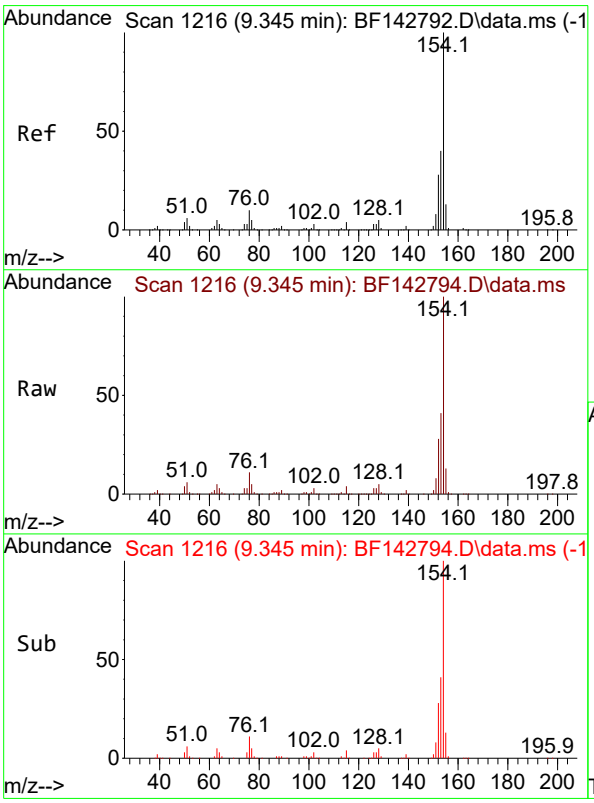
#45
2-Fluorobiphenyl
Concen: 112.392 ng
RT: 9.245 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 1360586

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.2	42.4
170	23.7	18.5	27.7

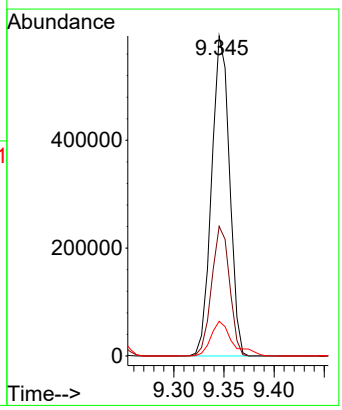


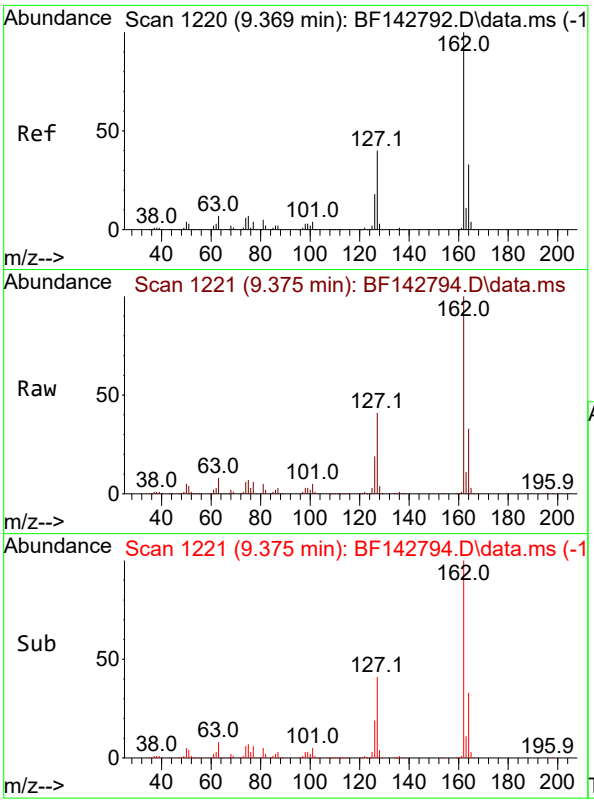


#46
1,1'-Biphenyl
Concen: 58.937 ng
RT: 9.345 min Scan# 1216
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:154 Resp: 736970

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.3	60.3
76	10.9	0.0	30.3



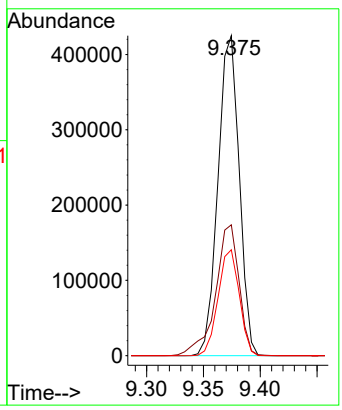


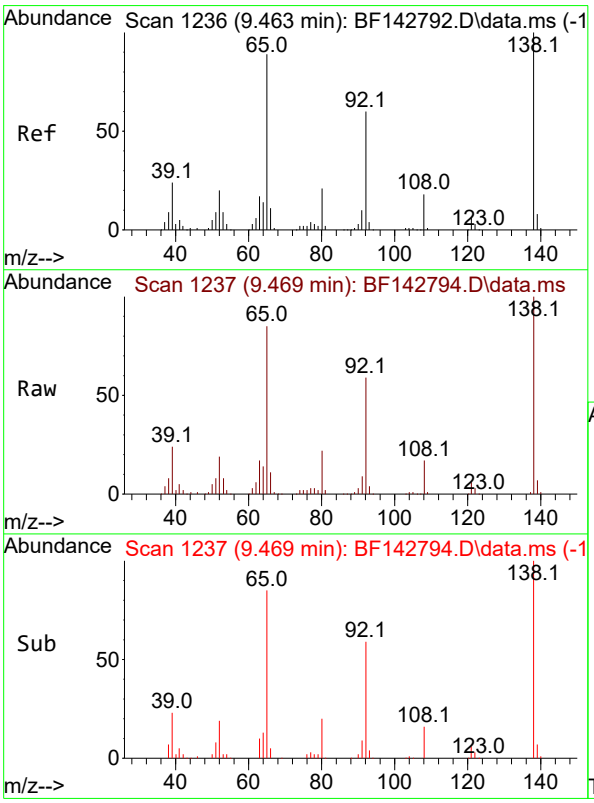
#47
2-Chloronaphthalene
Concen: 59.966 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 553304

Ion	Ratio	Lower	Upper
162	100		
127	40.9	32.2	48.2
164	33.1	26.1	39.1

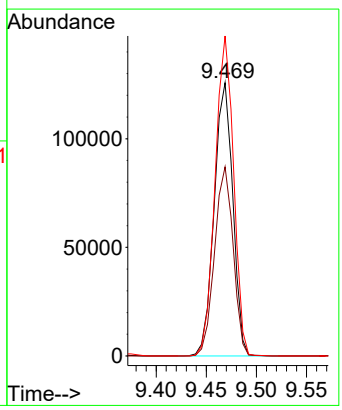


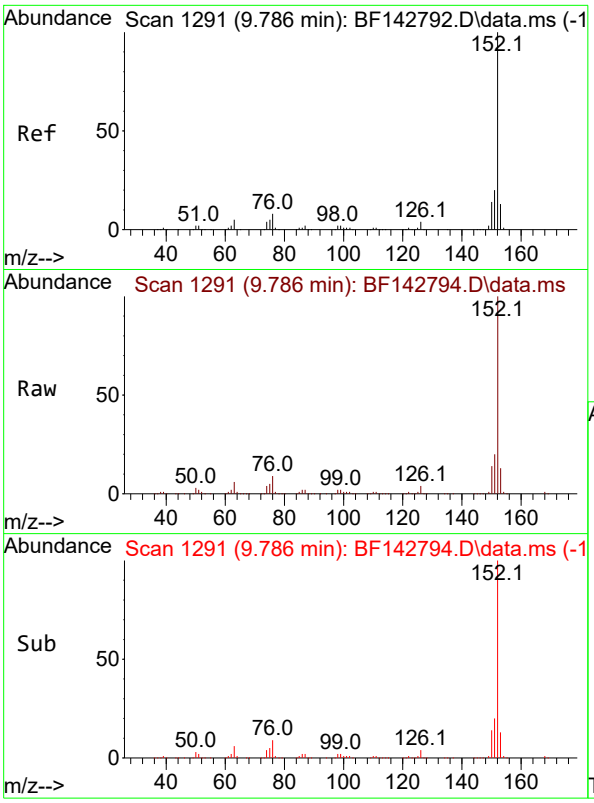


#48
2-Nitroaniline
Concen: 62.067 ng
RT: 9.469 min Scan# 1237
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion: 65 Resp: 162701

Ion	Ratio	Lower	Upper
65	100		
92	69.2	53.8	80.6
138	117.1	89.6	134.4



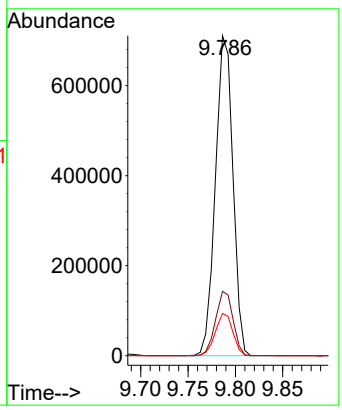


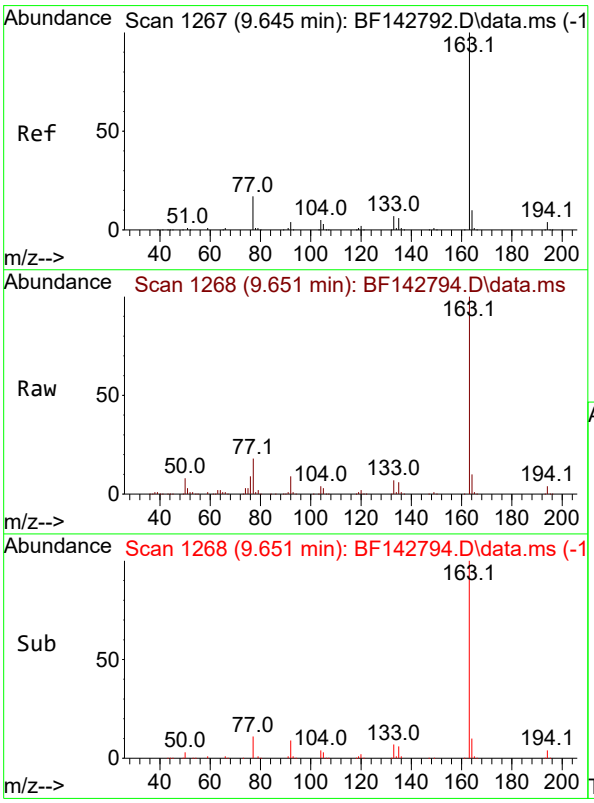
#49
Acenaphthylene
Concen: 58.892 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 913540

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.1	24.1
153	13.2	10.4	15.6

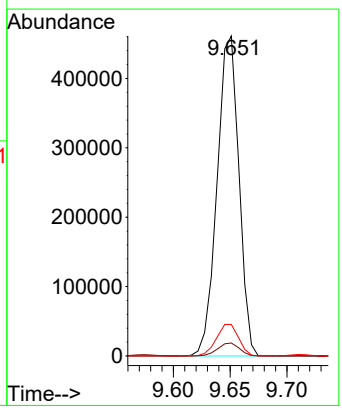


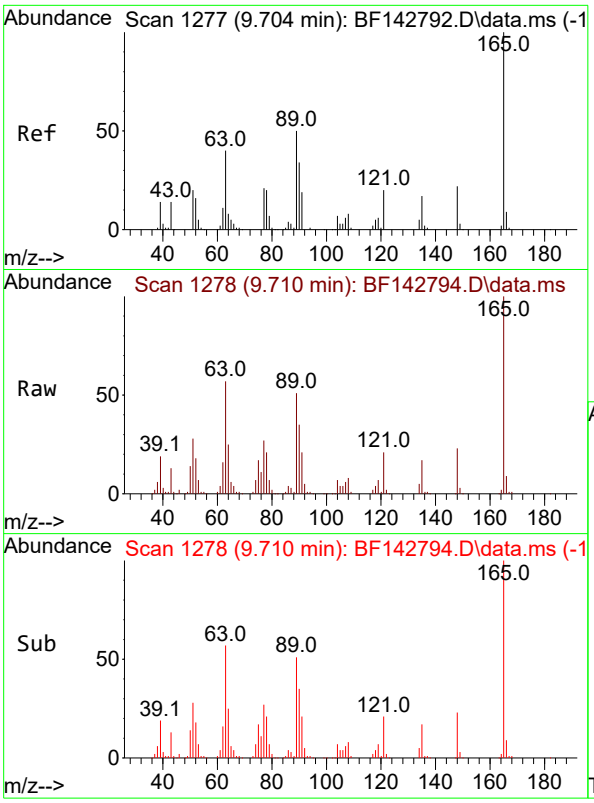


#50
Dimethylphthalate
Concen: 57.767 ng
RT: 9.651 min Scan# 1268
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:163 Resp: 617097

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	9.9	8.0	12.0



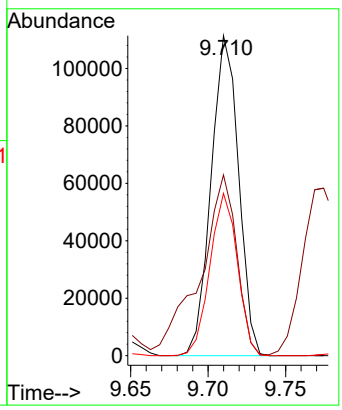


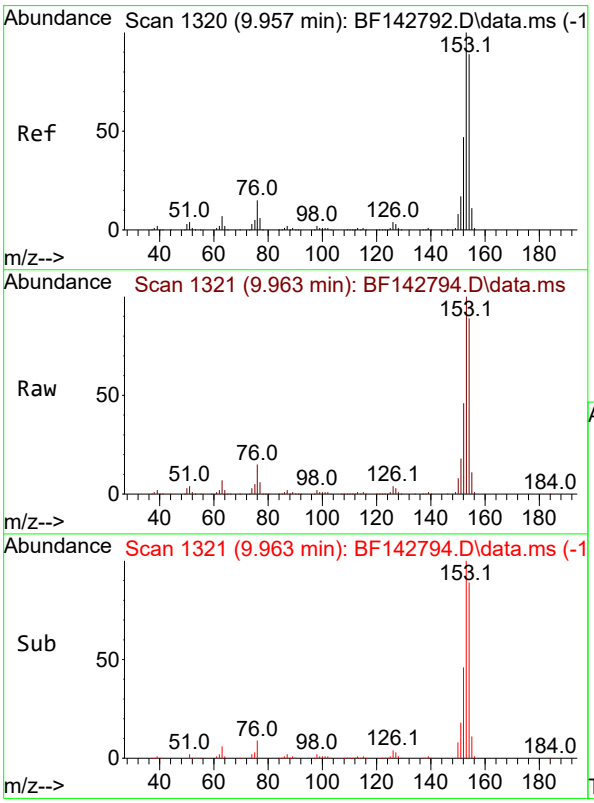
#51
2,6-Dinitrotoluene
Concen: 59.299 ng
RT: 9.710 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 137318

Ion	Ratio	Lower	Upper
165	100		
63	56.5	44.2	66.4
89	50.7	39.8	59.8

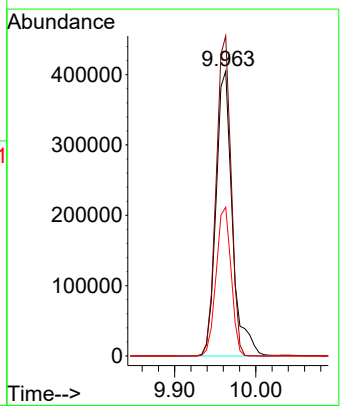


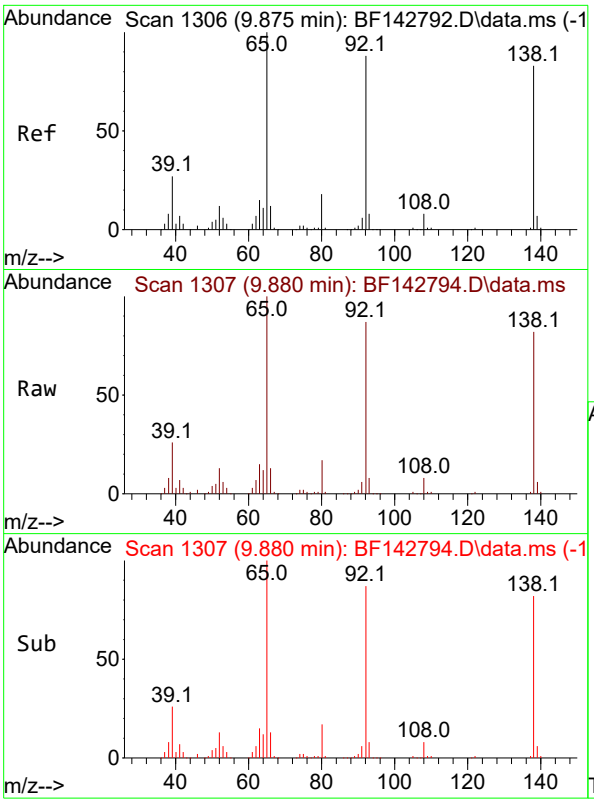


#52
Acenaphthene
Concen: 58.980 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:154 Resp: 566138

Ion	Ratio	Lower	Upper
154	100		
153	112.4	90.0	135.0
152	52.2	41.9	62.9



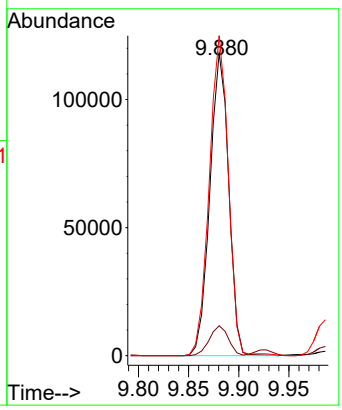


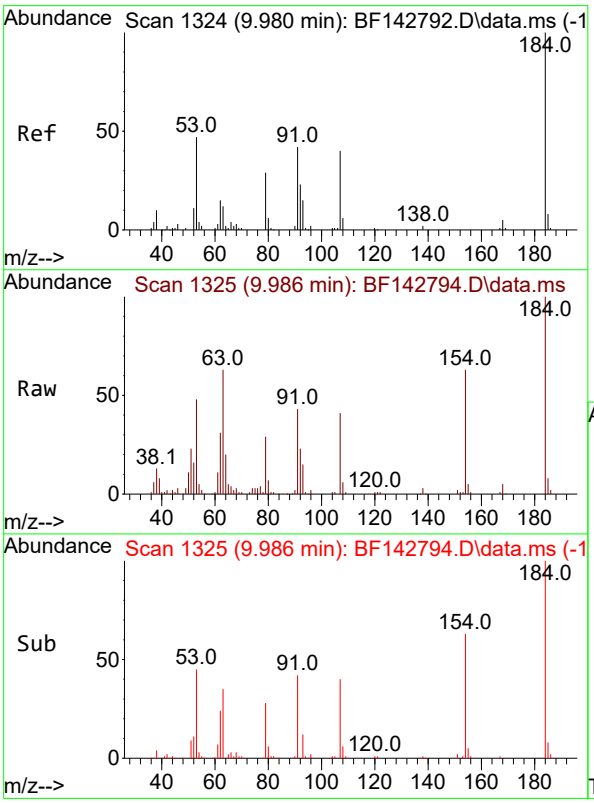
#53
3-Nitroaniline
Concen: 61.386 ng
RT: 9.880 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 154402

Ion	Ratio	Lower	Upper
138	100		
108	9.9	8.1	12.1
92	105.7	85.1	127.7

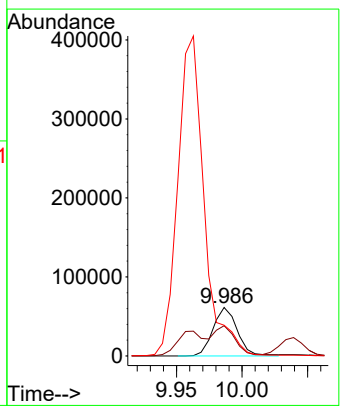


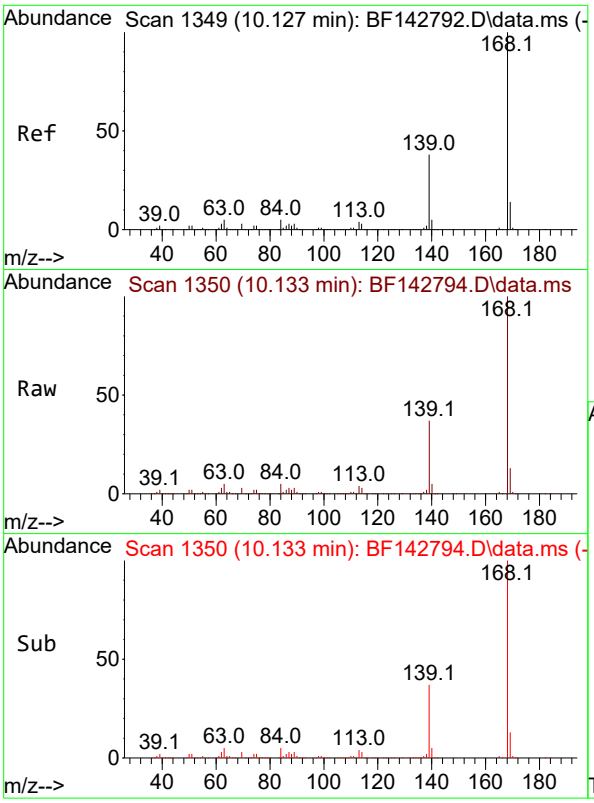


#54
2,4-Dinitrophenol
Concen: 62.843 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:184 Resp: 78750

Ion	Ratio	Lower	Upper
184	100		
63	62.6	50.6	75.8
154	63.4	51.8	77.8



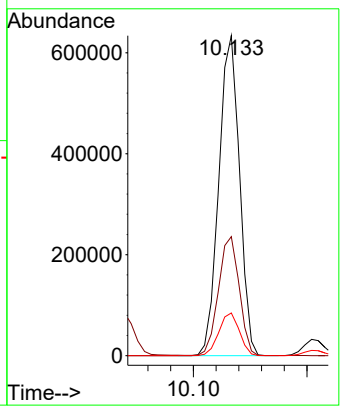


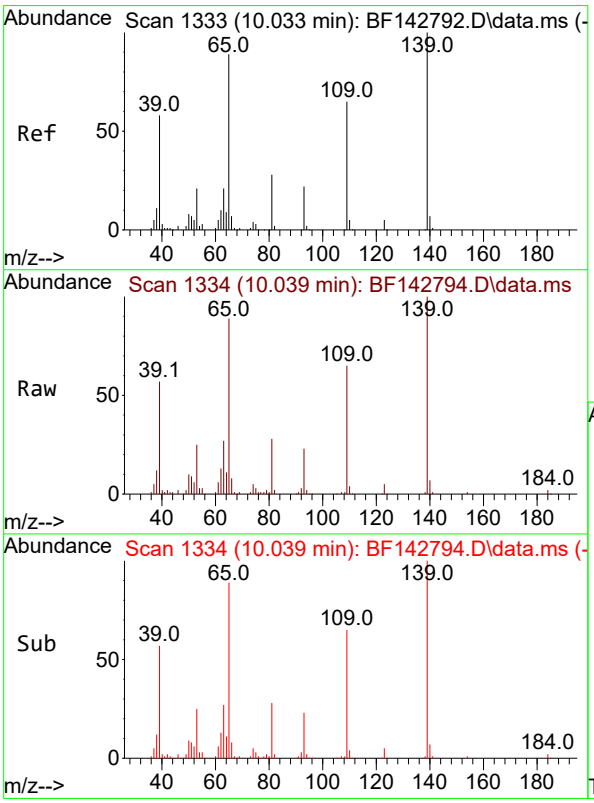
#55
Dibenzofuran
Concen: 58.567 ng
RT: 10.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 802087

Ion	Ratio	Lower	Upper
168	100		
139	37.2	30.2	45.4
169	13.3	10.8	16.2

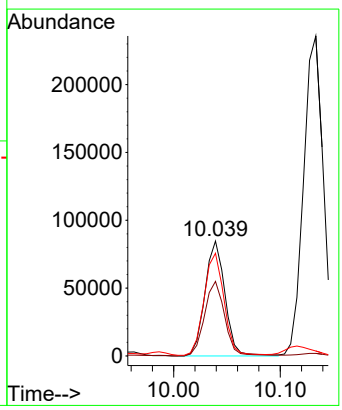


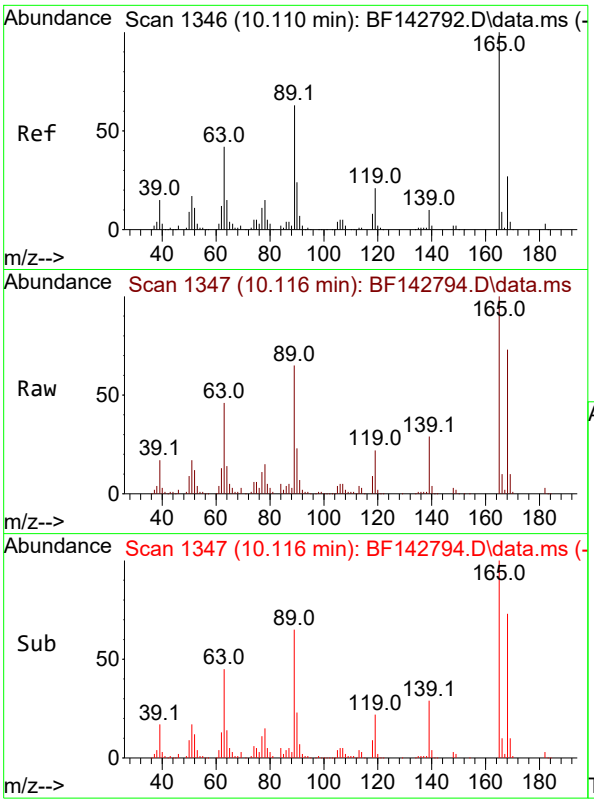


#56
4-Nitrophenol
Concen: 64.811 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:139 Resp: 110658

Ion	Ratio	Lower	Upper
139	100		
109	64.8	44.7	84.7
65	89.3	69.8	109.8



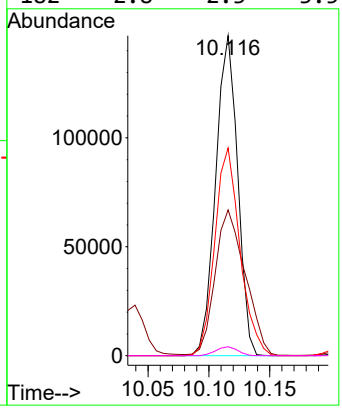


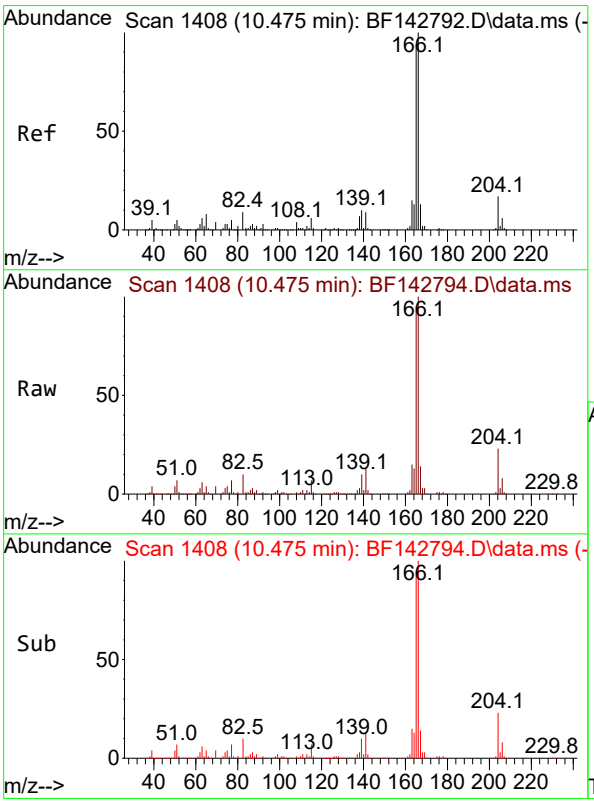
#57
2,4-Dinitrotoluene
Concen: 60.367 ng
RT: 10.116 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 184840

Ion	Ratio	Lower	Upper
165	100		
63	45.6	33.9	50.9
89	64.9	50.6	75.8
182	2.8	2.3	3.5

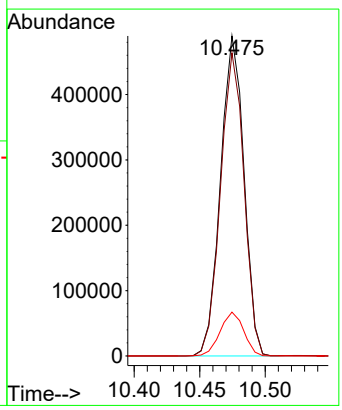


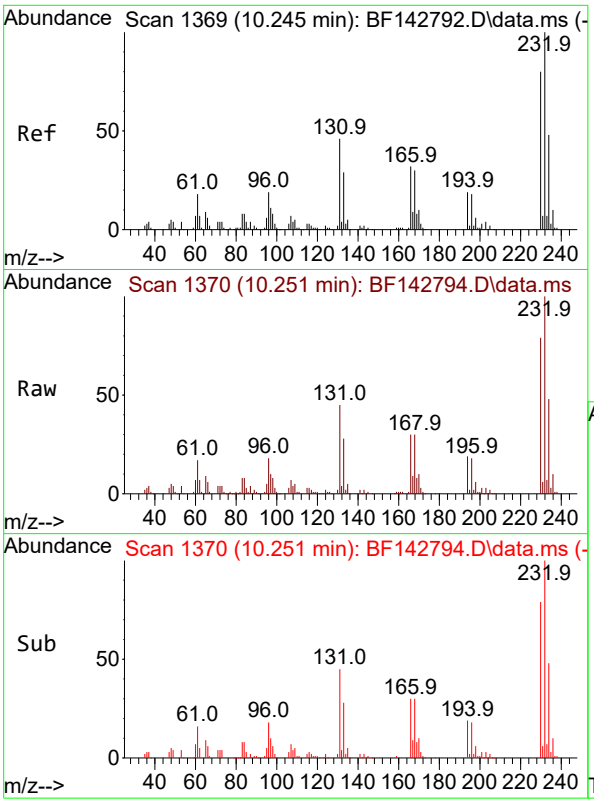


#58
Fluorene
Concen: 56.322 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:166 Resp: 608786

Ion	Ratio	Lower	Upper
166	100		
165	94.7	75.2	112.8
167	13.7	10.6	15.8



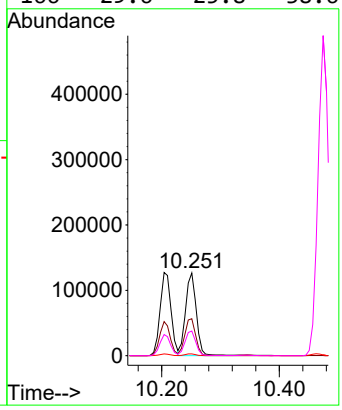


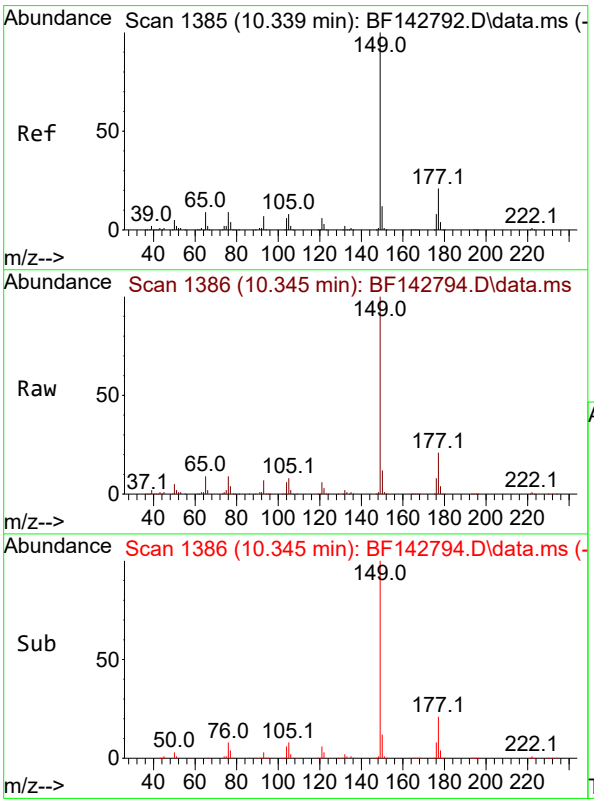
#59
2,3,4,6-Tetrachlorophenol
Concen: 58.739 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 159997

Ion	Ratio	Lower	Upper
232	100		
131	45.6	37.6	56.4
130	2.2	1.7	2.5
166	29.6	25.8	38.6

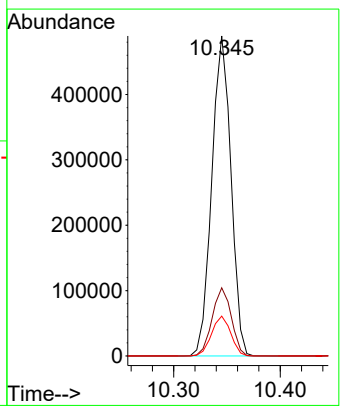


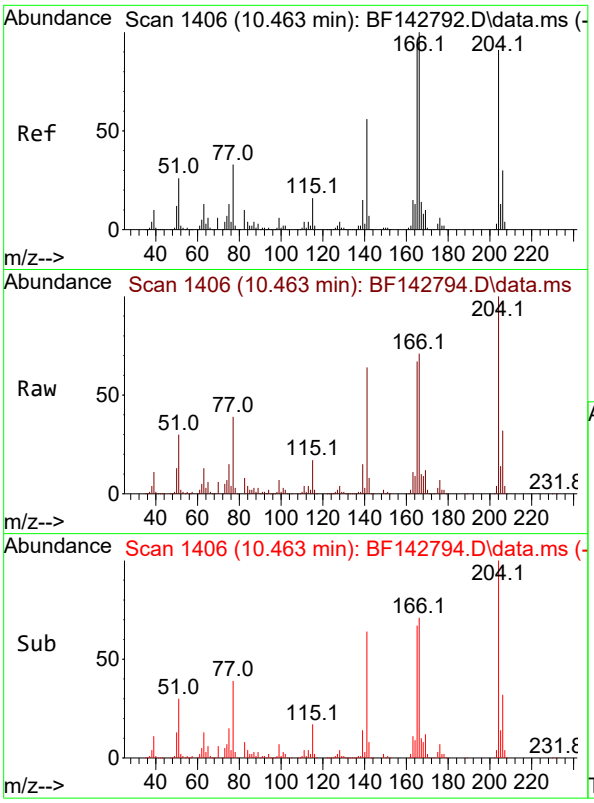


#60
Diethylphthalate
Concen: 57.662 ng
RT: 10.345 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:149 Resp: 611873

Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.0	25.6
150	12.5	9.8	14.6



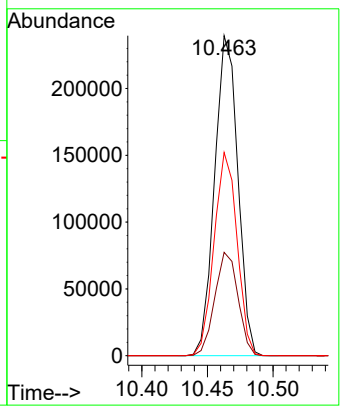


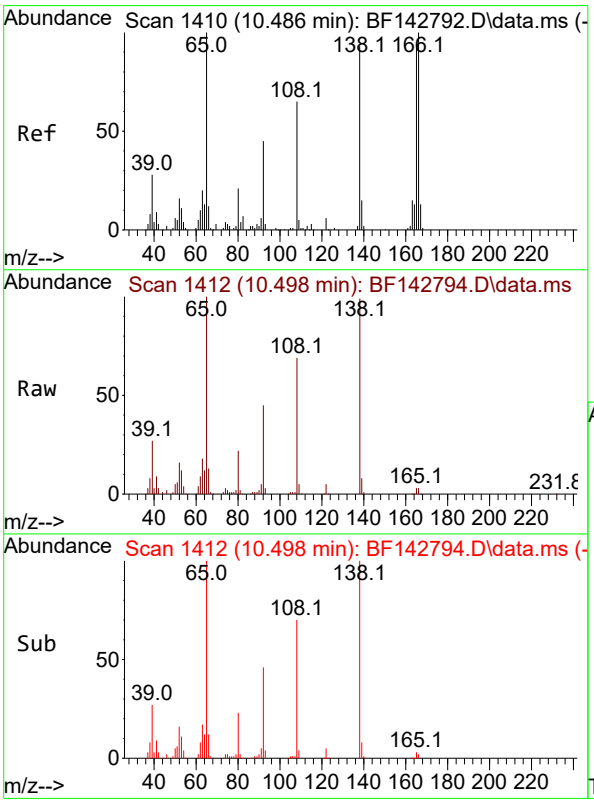
#61
4-Chlorophenyl-phenylether
Concen: 56.089 ng
RT: 10.463 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 294444

Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.3	39.5
141	63.5	49.1	73.7

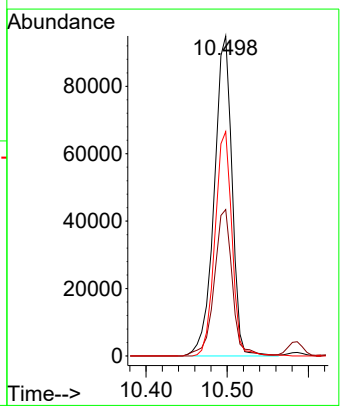


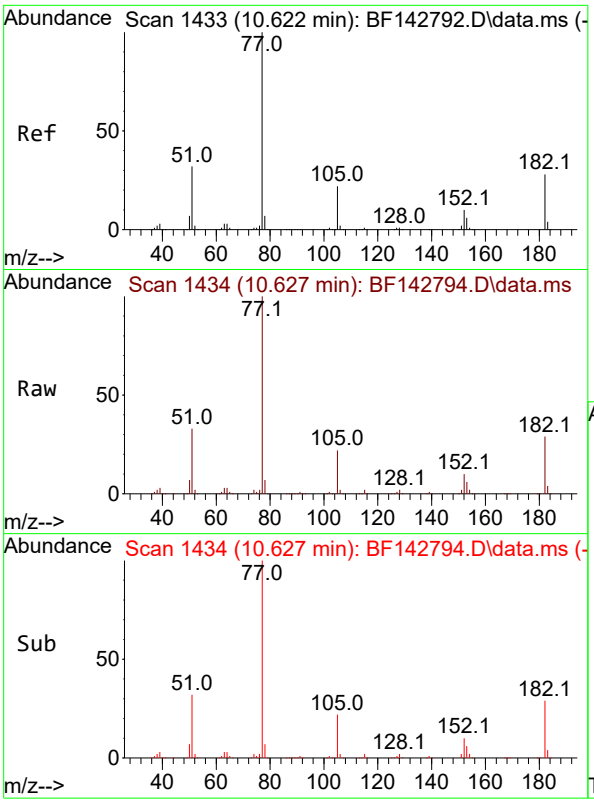


#62
4-Nitroaniline
Concen: 64.135 ng
RT: 10.498 min Scan# 1412
Delta R.T. 0.012 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:138 Resp: 144821

Ion	Ratio	Lower	Upper
138	100		
92	45.7	28.4	68.4
108	70.1	50.2	90.2



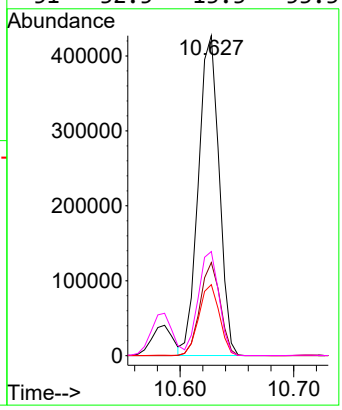


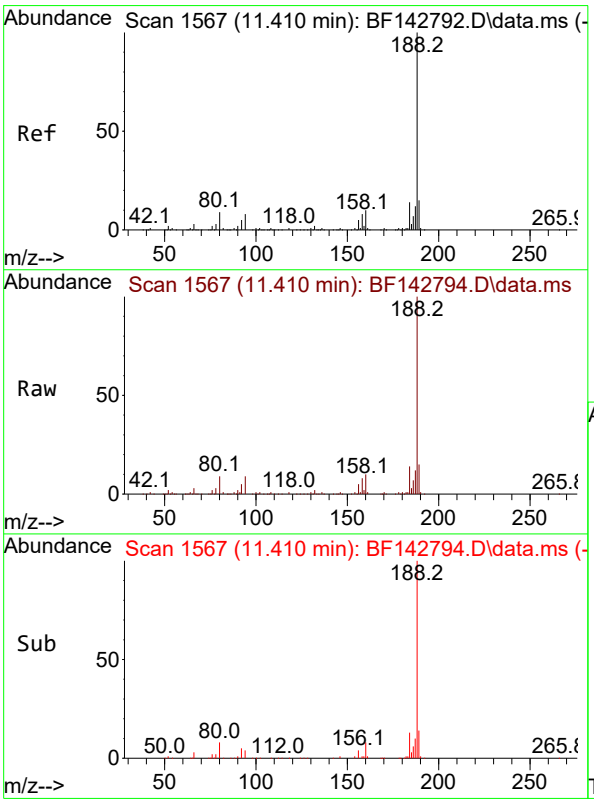
#63
Azobenzene
Concen: 58.460 ng
RT: 10.627 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 542118

Ion	Ratio	Lower	Upper
77	100		
182	29.1	7.7	47.7
105	22.2	1.9	41.9
51	32.5	13.3	53.3

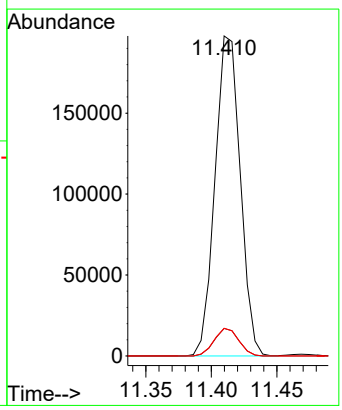


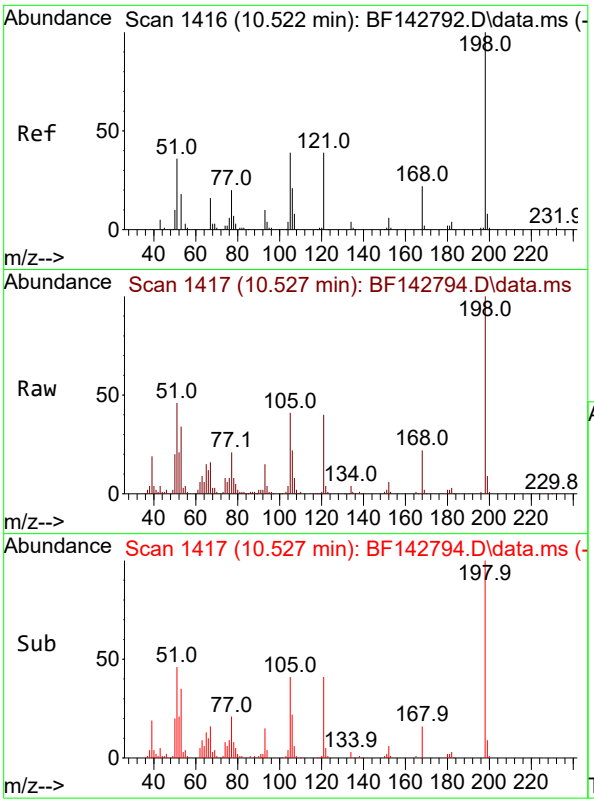


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:188 Resp: 264336

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.7	10.1
80	8.6	6.9	10.3



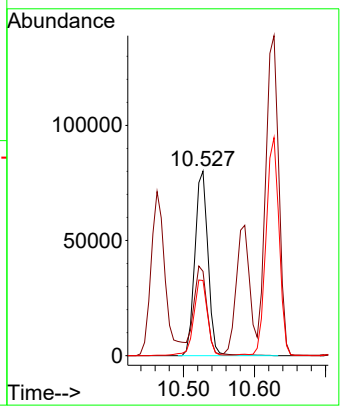


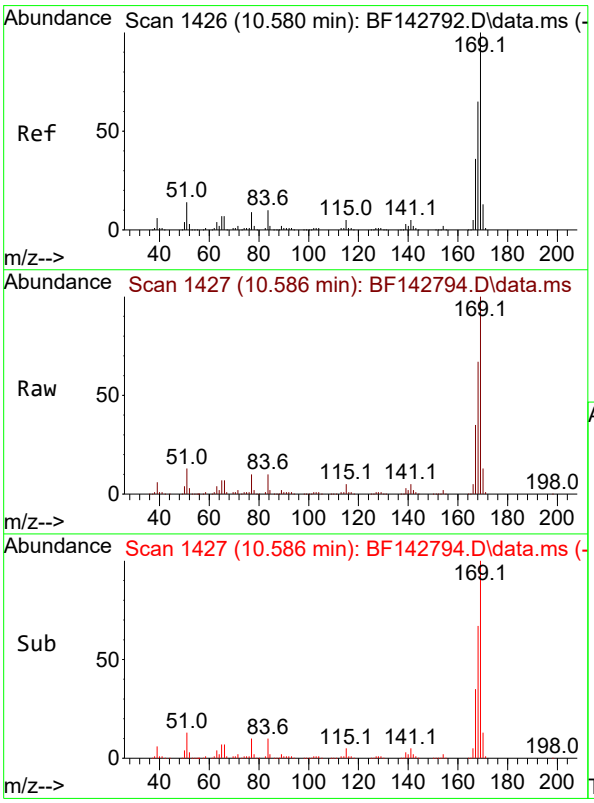
#65
4,6-Dinitro-2-methylphenol
Concen: 62.814 ng
RT: 10.527 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 103180

Ion	Ratio	Lower	Upper
198	100		
51	45.7	25.4	65.4
105	40.7	20.4	60.4

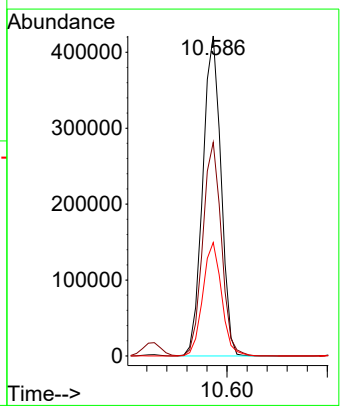


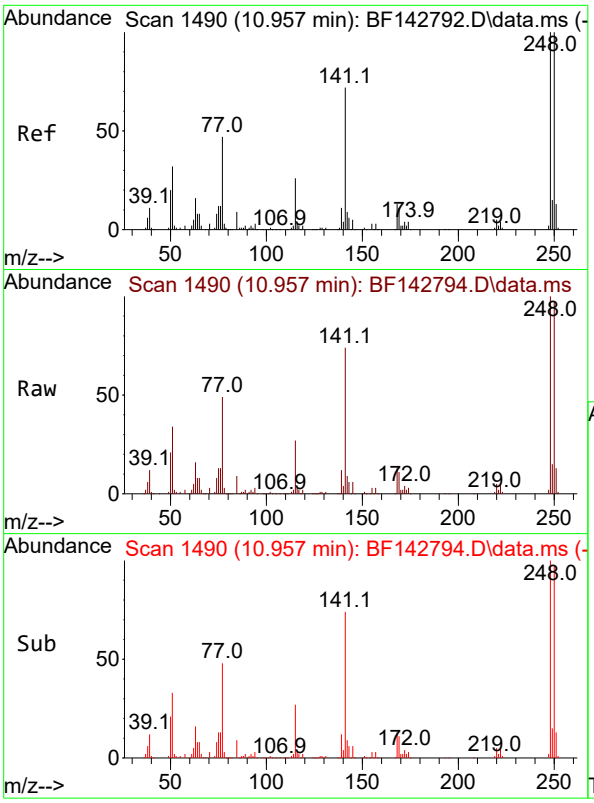


#66
n-Nitrosodiphenylamine
Concen: 58.540 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:169 Resp: 531713

Ion	Ratio	Lower	Upper
169	100		
168	66.7	51.9	77.9
167	35.4	28.5	42.7



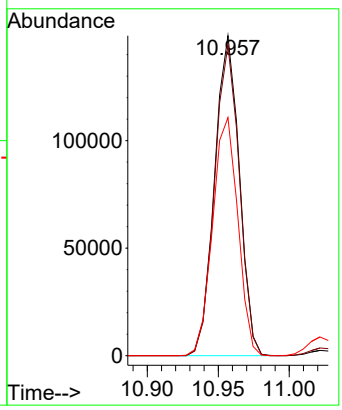


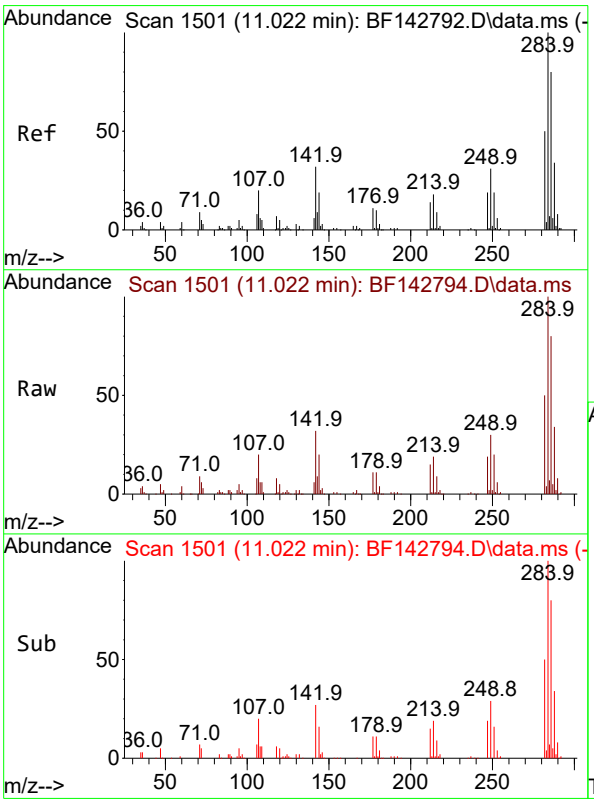
#67
4-Bromophenyl-phenylether
Concen: 58.311 ng
RT: 10.957 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 180519

Ion	Ratio	Lower	Upper
248	100		
250	97.1	79.8	119.8
141	74.4	57.8	86.6

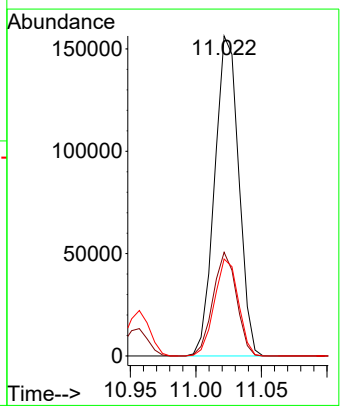


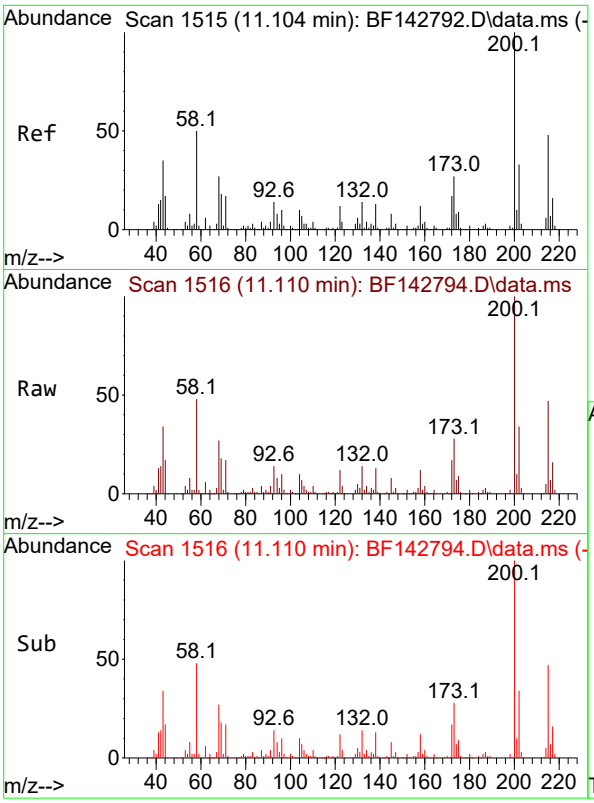


#68
Hexachlorobenzene
Concen: 58.041 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:284 Resp: 199479

Ion	Ratio	Lower	Upper
284	100		
142	32.4	25.5	38.3
249	30.3	24.9	37.3



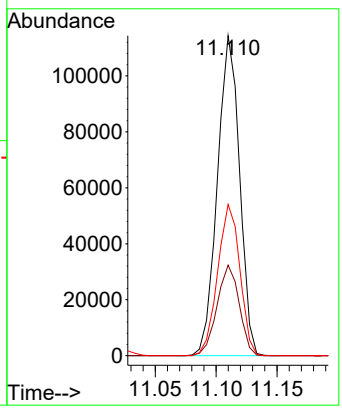


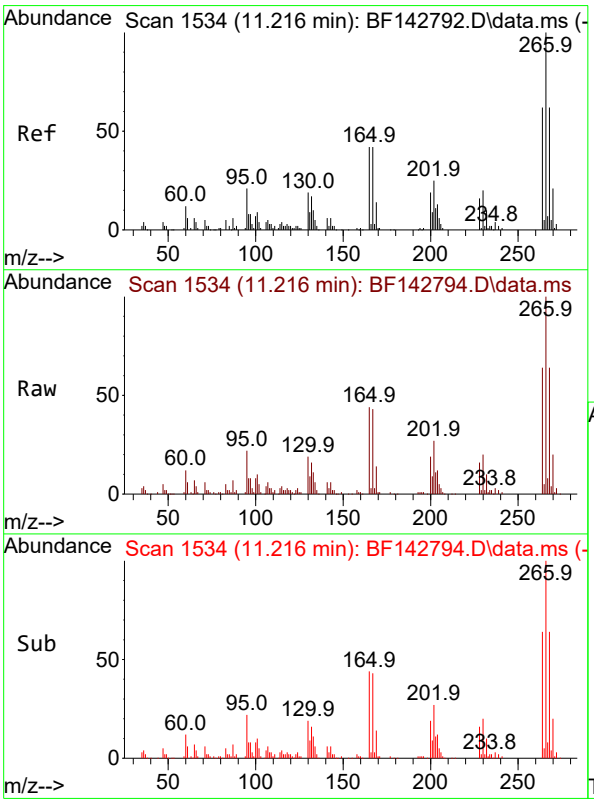
#69
Atrazine
Concen: 60.075 ng
RT: 11.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 144880

Ion	Ratio	Lower	Upper
200	100		
173	28.3	7.4	47.4
215	47.2	28.4	68.4

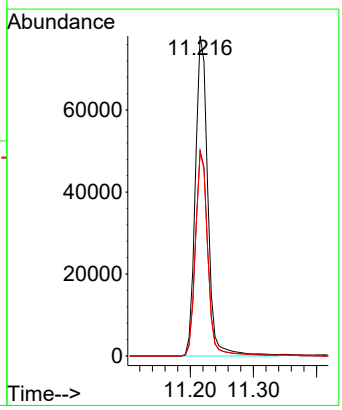


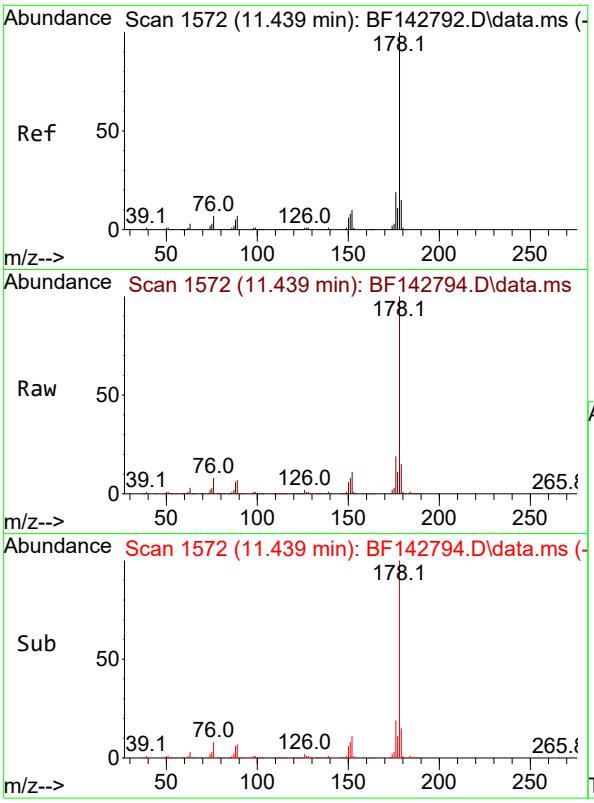


#70
Pentachlorophenol
Concen: 60.023 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:266 Resp: 107141

Ion	Ratio	Lower	Upper
266	100		
268	64.2	49.8	74.8
264	63.5	49.9	74.9



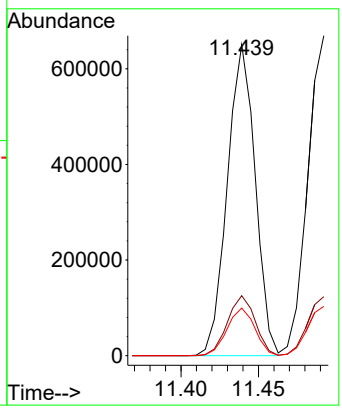


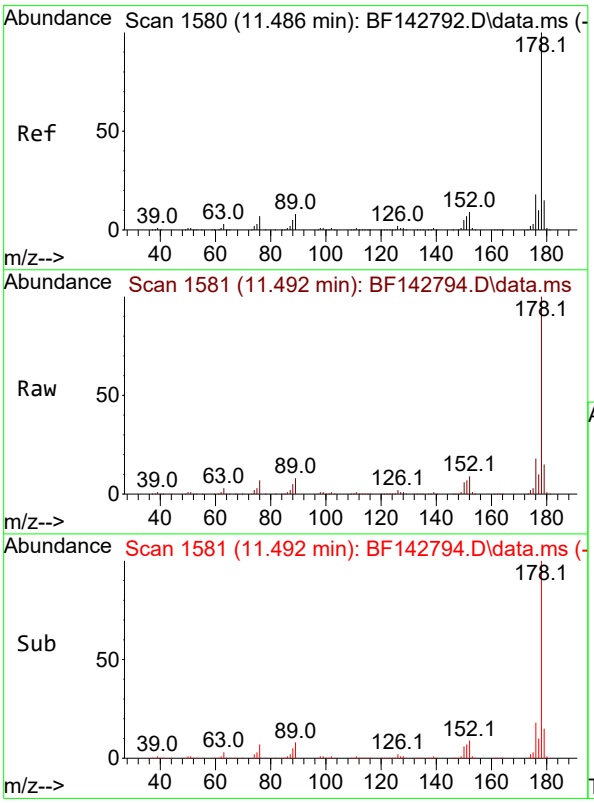
#71
Phenanthrene
Concen: 57.611 ng
RT: 11.439 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 815330

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	15.4	12.0	18.0

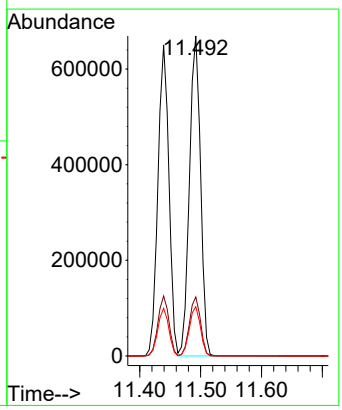


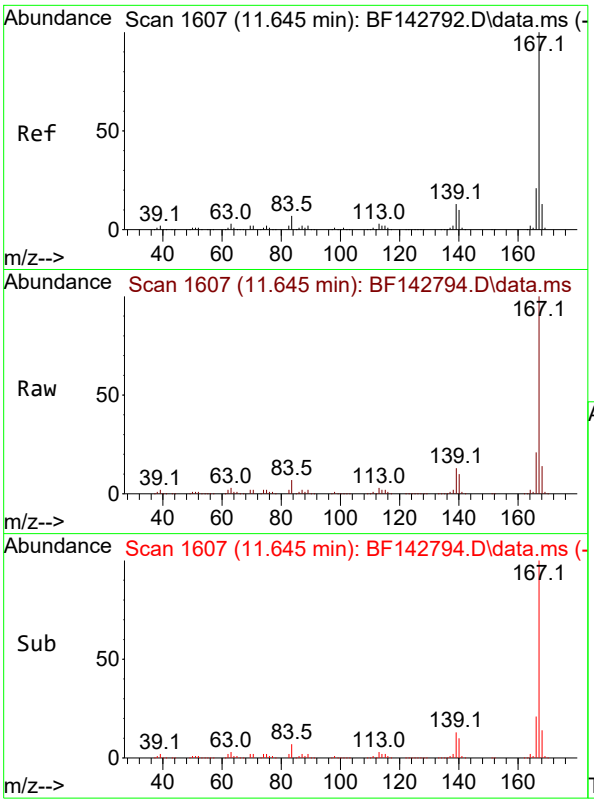


#72
Anthracene
Concen: 57.653 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:178 Resp: 844549

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	21.8
179	15.4	12.4	18.6



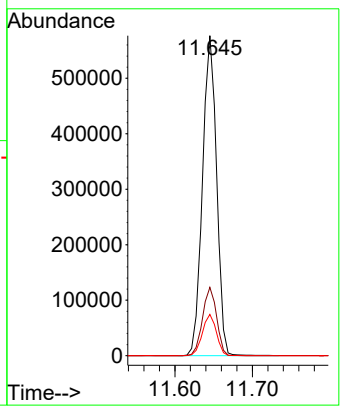


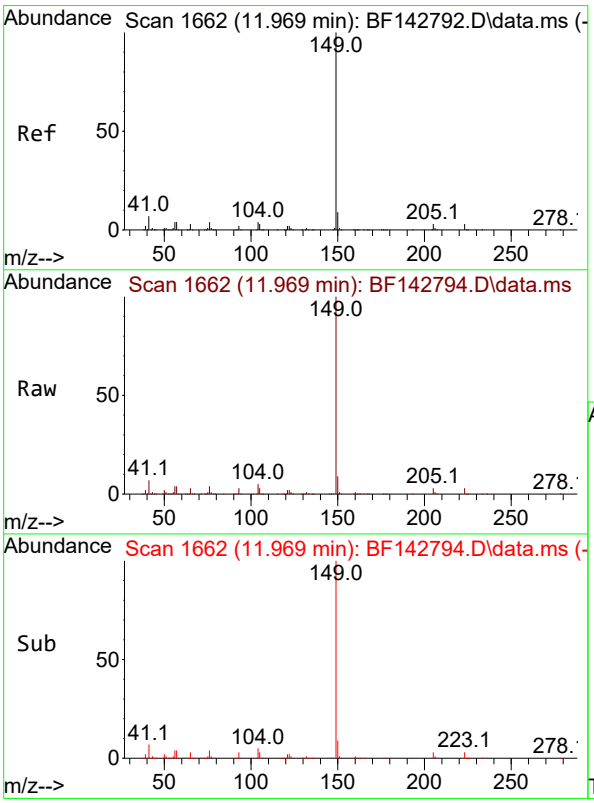
#73
Carbazole
Concen: 59.457 ng
RT: 11.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 729372

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.0	25.4
139	12.9	10.2	15.2

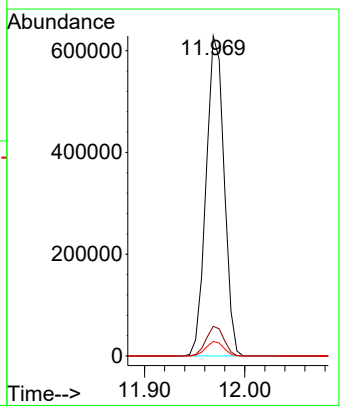


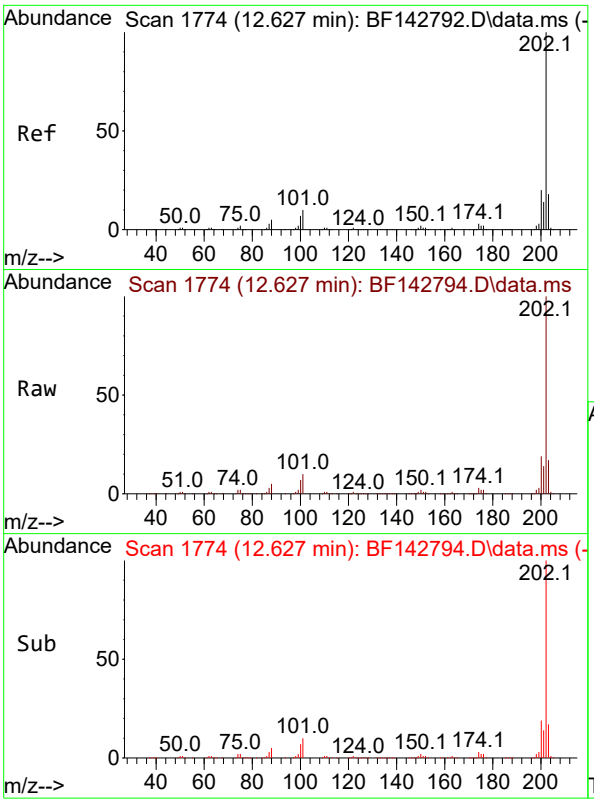


#74
Di-n-butylphthalate
Concen: 57.759 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:149 Resp: 784514

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	4.6	3.5	5.3



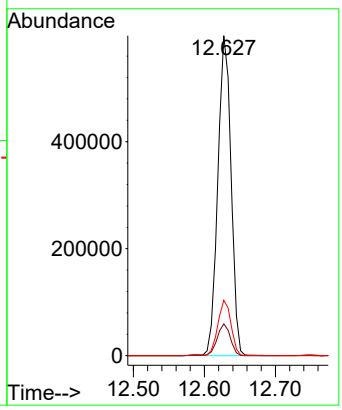


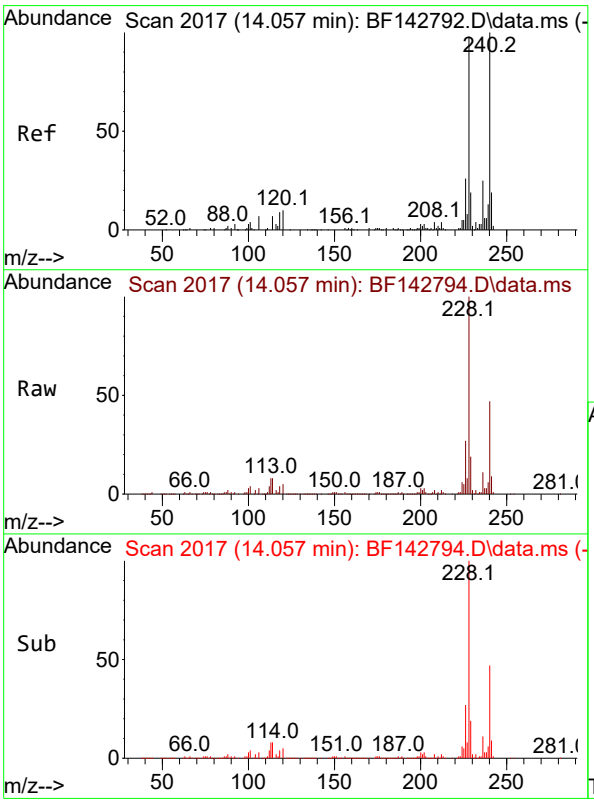
#75
Fluoranthene
Concen: 57.300 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 770481

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	29.7
203	17.3	0.0	37.5

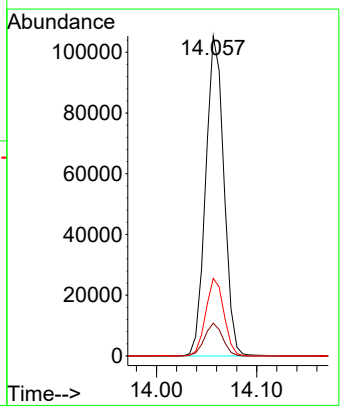


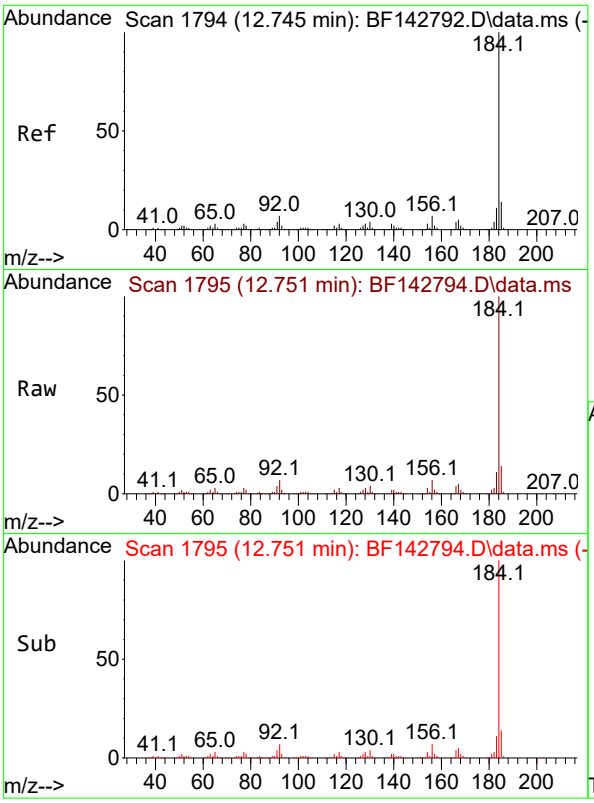


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:240 Resp: 133196

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.2	12.2
236	24.2	19.8	29.8



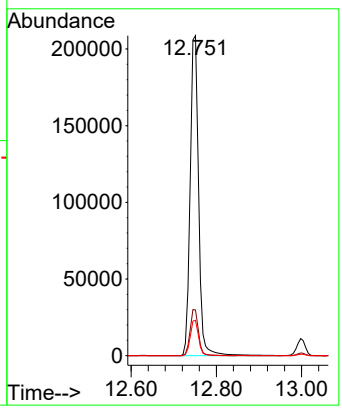


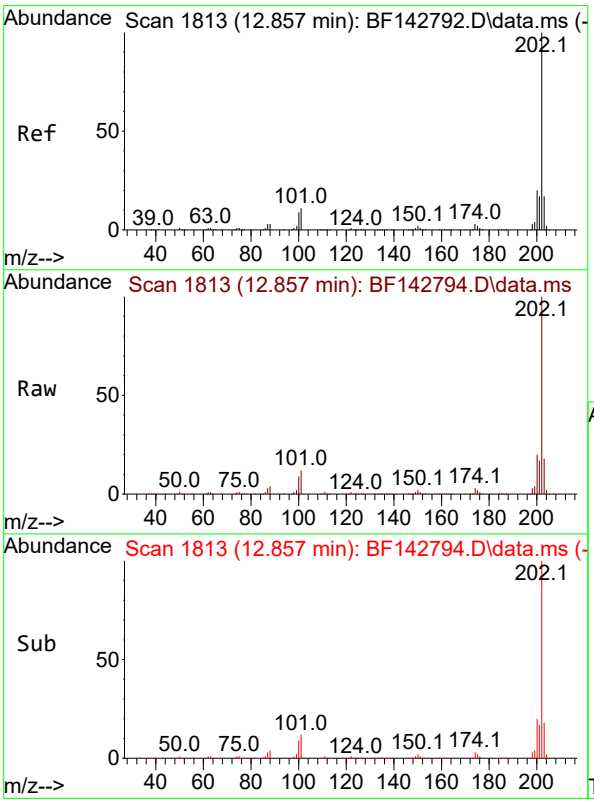
#77
Benzidine
Concen: 60.916 ng
RT: 12.751 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 287238

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.5	17.3
183	11.1	9.0	13.4

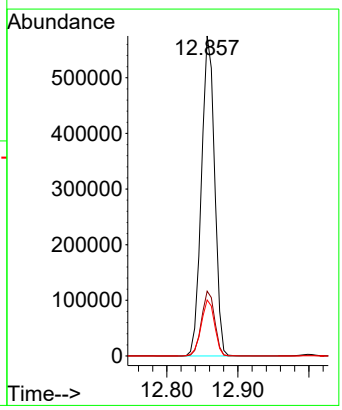


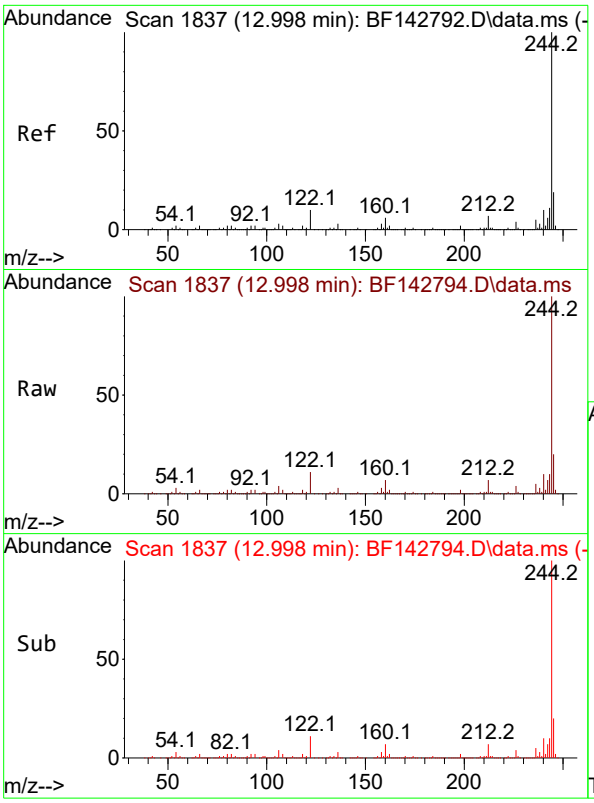


#78
Pyrene
Concen: 60.812 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:202 Resp: 744567

Ion	Ratio	Lower	Upper
202	100		
200	20.2	15.7	23.5
203	17.5	13.8	20.6



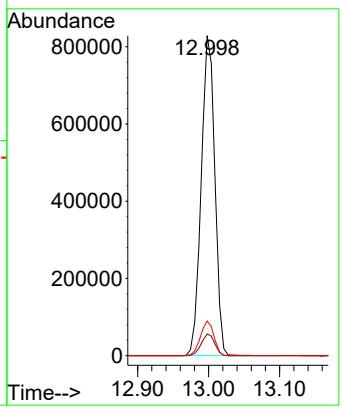


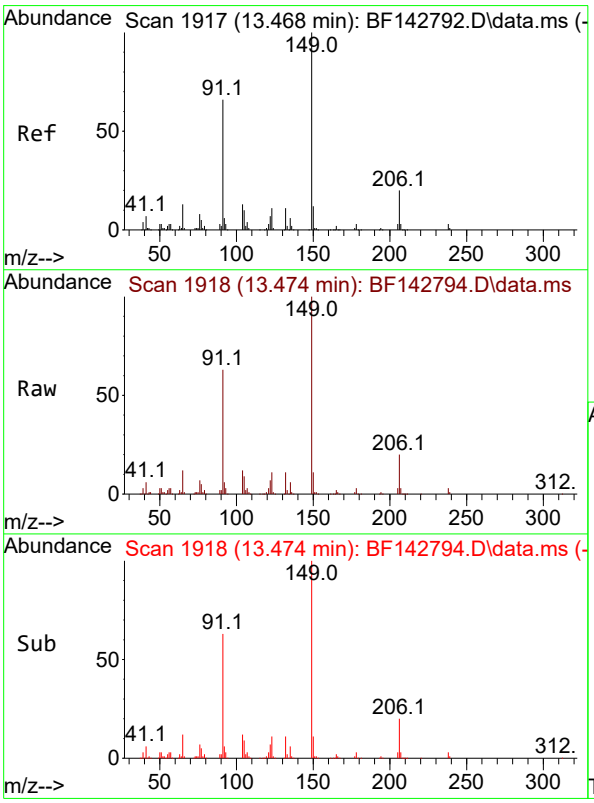
#79
Terphenyl-d14
Concen: 115.747 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 1107704

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	10.9	8.2	12.2

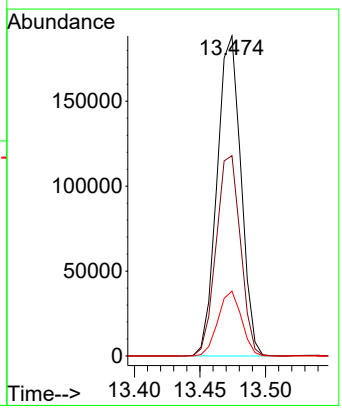


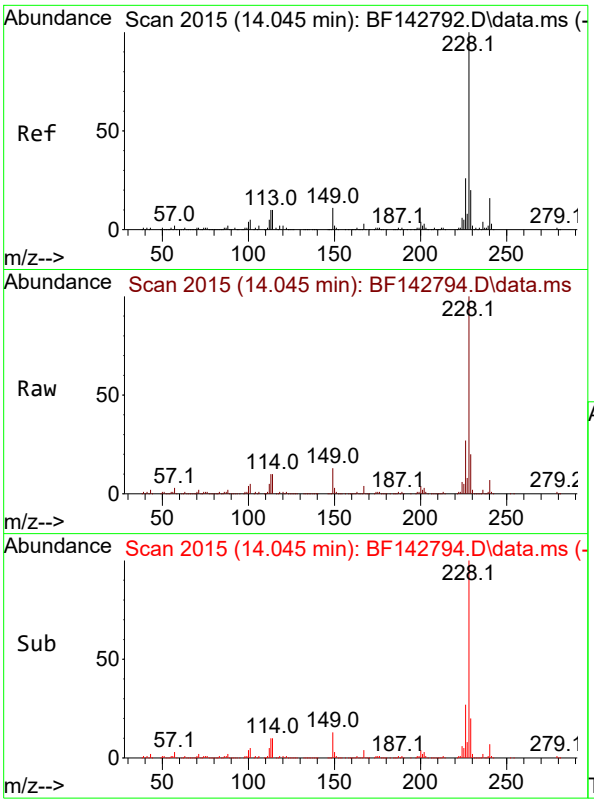


#80
Butylbenzylphthalate
Concen: 65.755 ng
RT: 13.474 min Scan# 1918
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:149 Resp: 238584

Ion	Ratio	Lower	Upper
149	100		
91	62.6	52.9	79.3
206	20.2	16.3	24.5



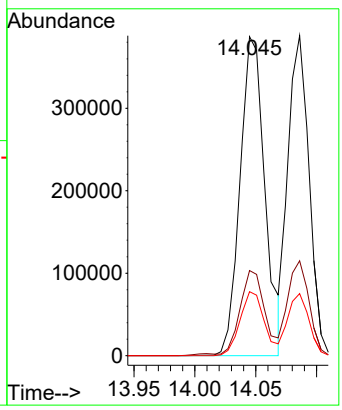


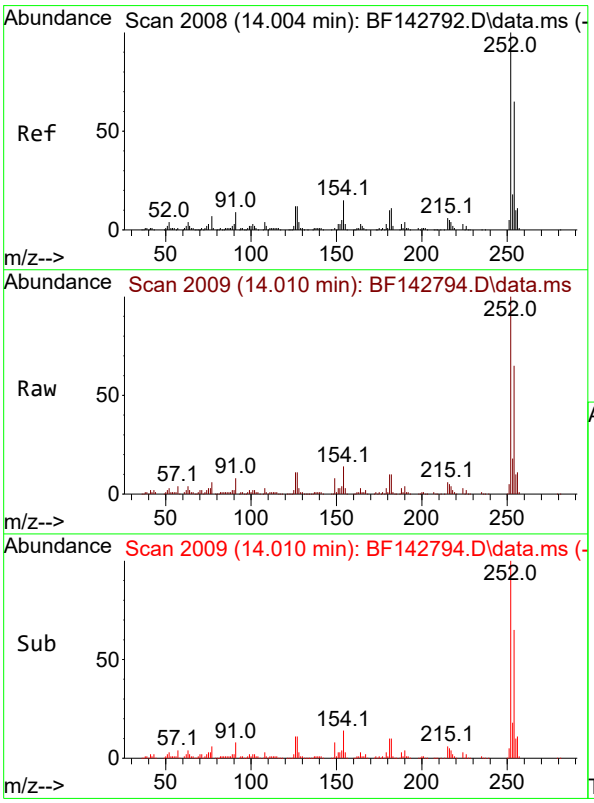
#81
Benzo(a)anthracene
Concen: 62.892 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 550008

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.2	31.8
229	20.0	15.6	23.4

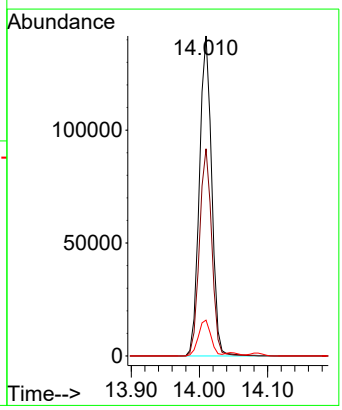


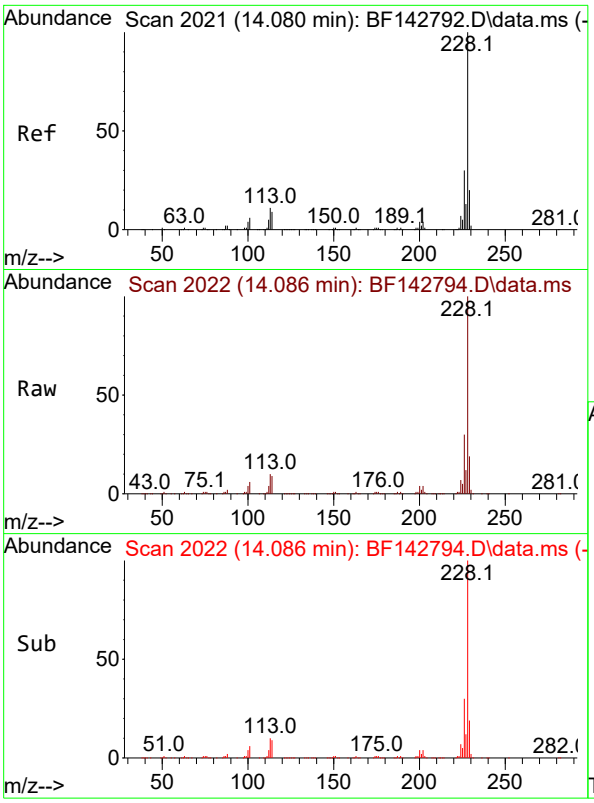


#82
3,3'-Dichlorobenzidine
Concen: 62.787 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:252 Resp: 177798

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.7	77.5
126	11.2	9.4	14.2



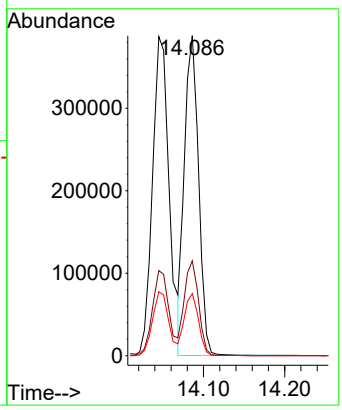


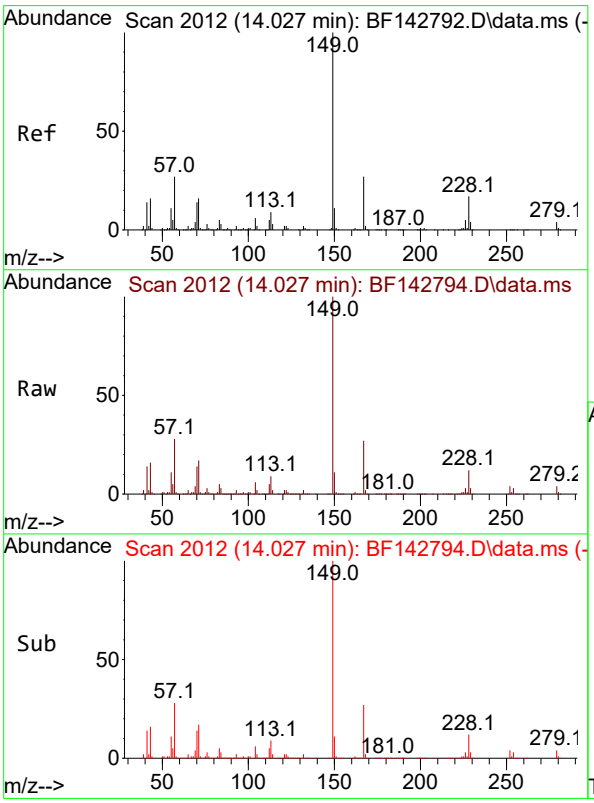
#83
Chrysene
Concen: 57.743 ng
RT: 14.086 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 470124

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.7	35.5
229	19.4	15.7	23.5

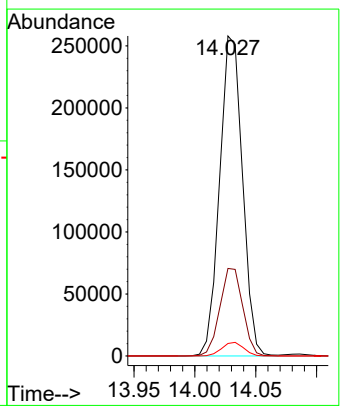


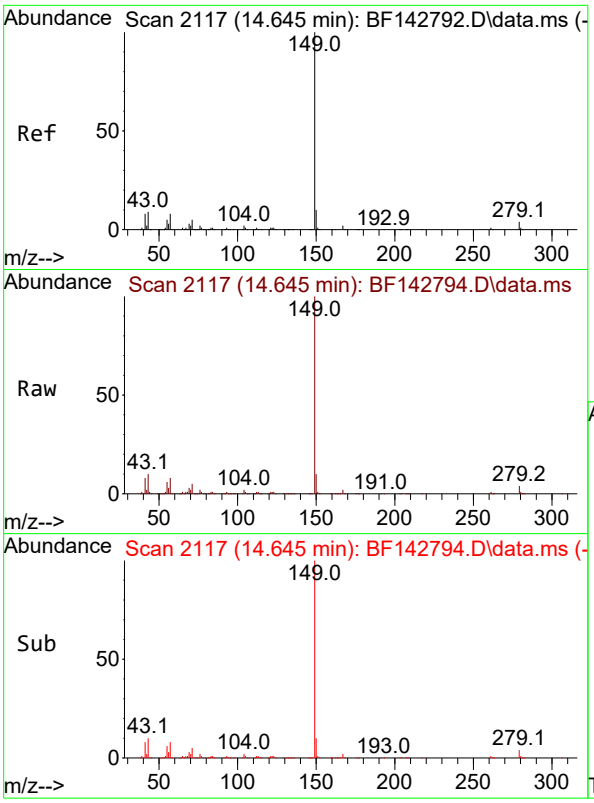


#84
Bis(2-ethylhexyl)phthalate
Concen: 62.326 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:149 Resp: 336951

Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.4	32.0
279	3.9	3.0	4.6



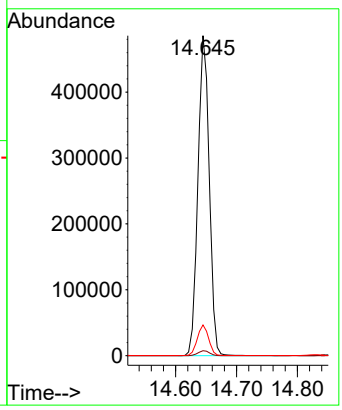


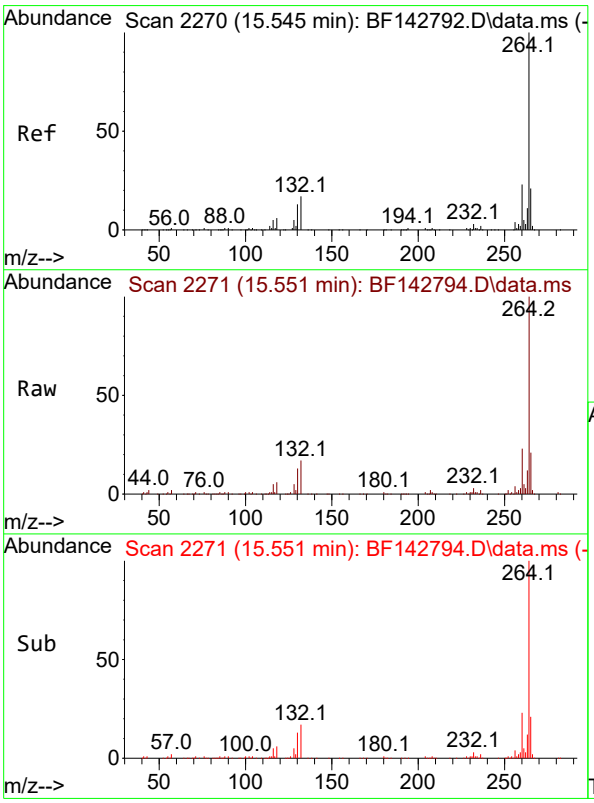
#85
Di-n-octyl phthalate
Concen: 60.871 ng
RT: 14.645 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 627090

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.6	7.6	11.4

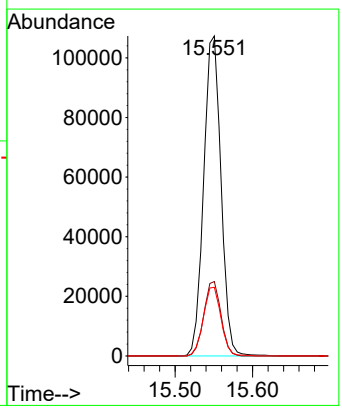


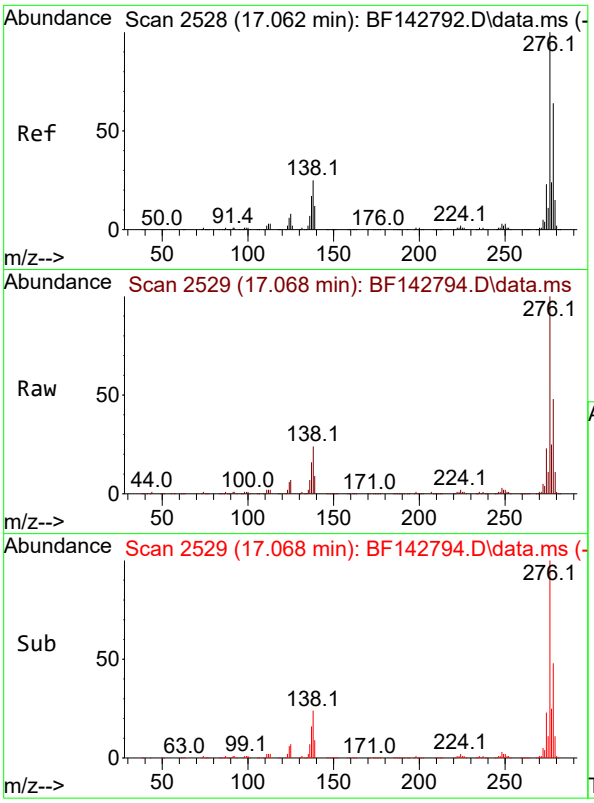


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:264 Resp: 166457

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.1	27.1
265	21.4	16.6	25.0



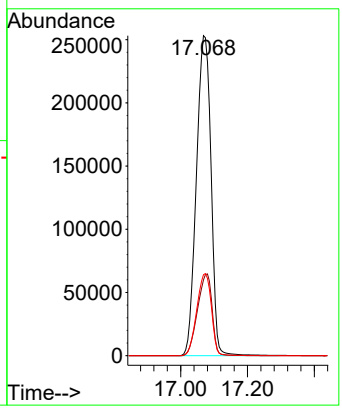


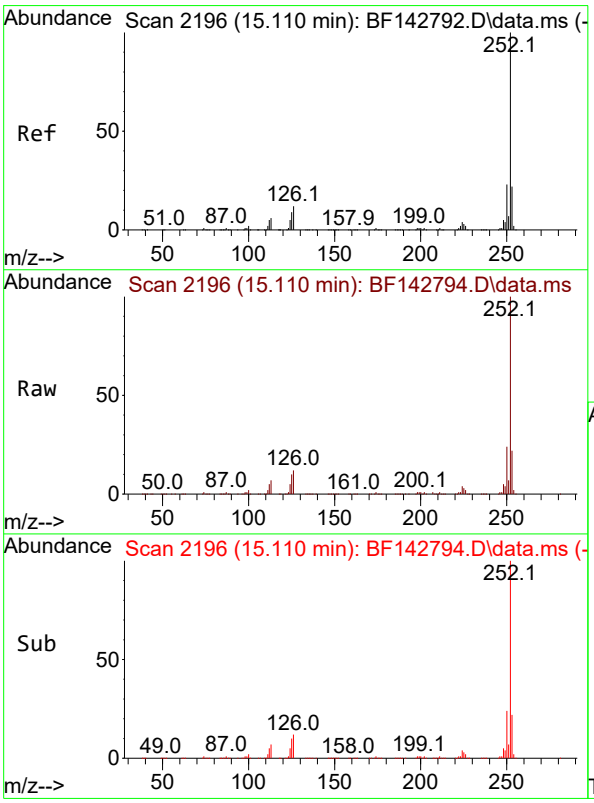
#87
Indeno(1,2,3-cd)pyrene
Concen: 62.432 ng
RT: 17.068 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 768324

Ion	Ratio	Lower	Upper
276	100		
138	25.4	20.2	30.4
277	25.6	19.8	29.6

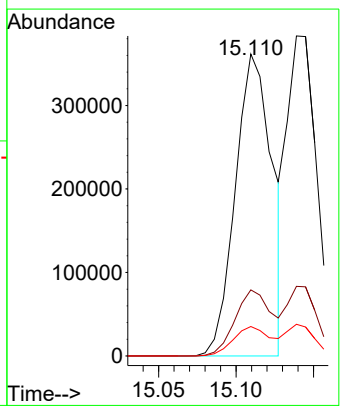


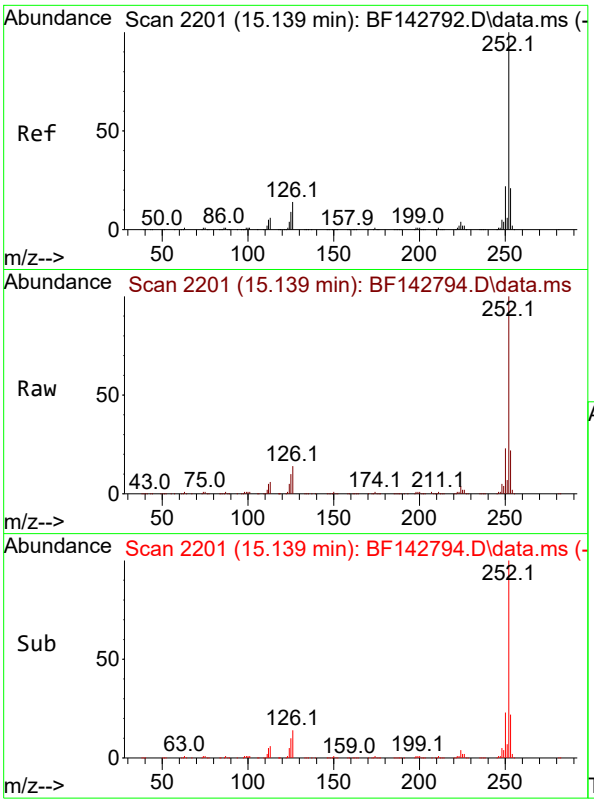


#88
Benzo(b)fluoranthene
Concen: 61.638 ng
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:252 Resp: 597533

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.7	7.4	11.0



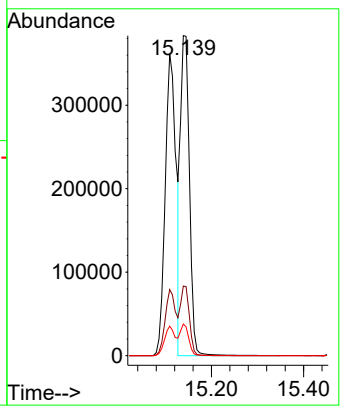


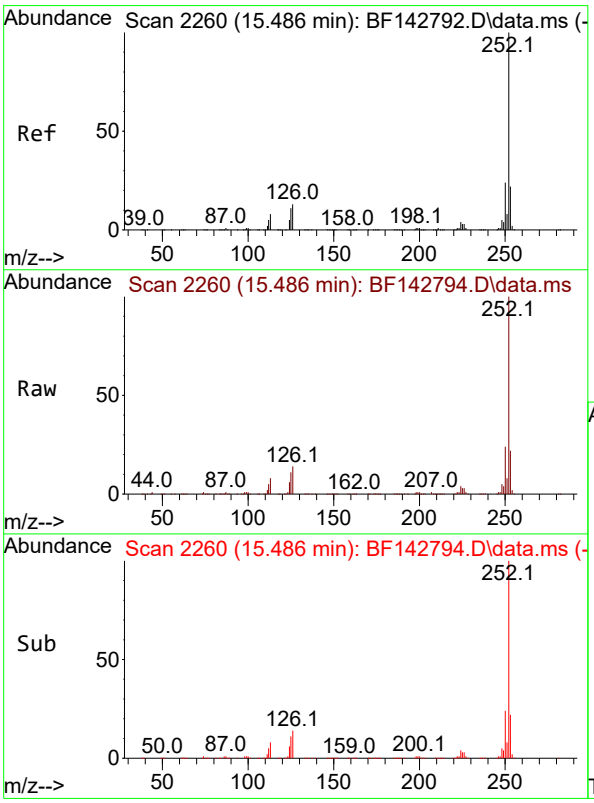
#89
Benzo(k)fluoranthene
Concen: 54.792 ng
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 518514

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	9.9	7.4	11.2

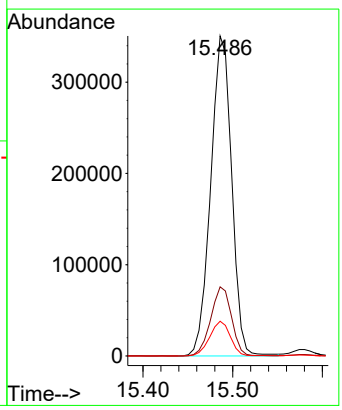


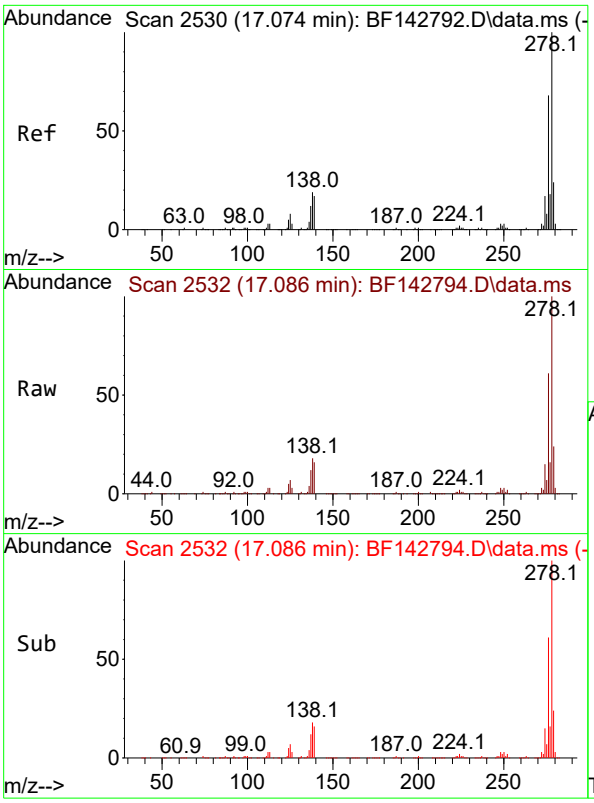


#90
Benzo(a)pyrene
Concen: 61.408 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:252 Resp: 569694

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	10.9	8.6	12.8



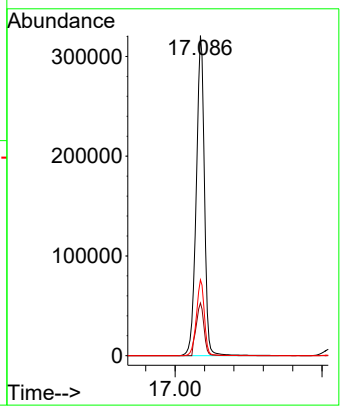


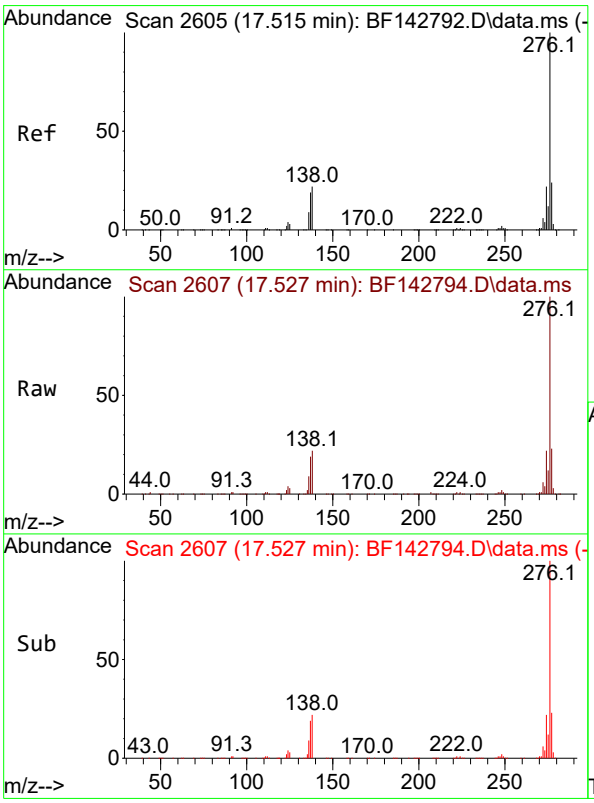
#91
Dibenzo(a,h)anthracene
Concen: 61.889 ng
RT: 17.086 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 619236

Ion	Ratio	Lower	Upper
278	100		
139	16.5	13.5	20.3
279	23.7	18.8	28.2

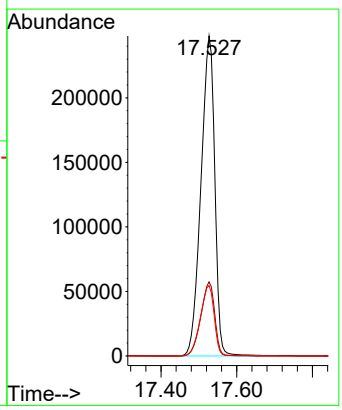




#92
Benzo(g,h,i)perylene
Concen: 62.795 ng
RT: 17.527 min Scan# 2607
Delta R.T. 0.012 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:276 Resp: 626847

Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.8	28.2
138	22.0	17.6	26.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142795.D
Acq On : 19 Jun 2025 20:40
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jun 20 04:42:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	77938	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	285299	20.000	ng		0.00
39) Acenaphthene-d10	9.928	164	140262	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	213216	20.000	ng		0.00
76) Chrysene-d12	14.063	240	127713	20.000	ng		0.00
86) Perylene-d12	15.551	264	175125	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	703164	153.880	ng		0.00
7) Phenol-d6	6.516	99	813626	151.631	ng		0.00
23) Nitrobenzene-d5	7.457	82	792380	152.234	ng		0.01
42) 2,4,6-Tribromophenol	10.722	330	210092	137.823	ng		0.00
45) 2-Fluorobiphenyl	9.245	172	1515847	143.770	ng		0.00
79) Terphenyl-d14	12.998	244	1127781	122.904	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.634	88	145434	80.147	ng		99
3) Pyridine	3.410	79	368129	81.031	ng		99
4) n-Nitrosodimethylamine	3.375	42	191412	82.265	ng		98
6) Aniline	6.545	93	544167	75.672	ng	#	83
8) 2-Chlorophenol	6.669	128	383707	77.116	ng		99
10) Phenol	6.534	94	448139	74.906	ng		84
11) bis(2-Chloroethyl)ether	6.622	93	335736	75.639	ng		98
12) 1,3-Dichlorobenzene	6.822	146	420352	74.190	ng		99
13) 1,4-Dichlorobenzene	6.898	146	419873	73.115	ng		99
14) 1,2-Dichlorobenzene	7.051	146	400191	72.897	ng		98
15) Benzyl Alcohol	7.028	79	307100	76.460	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.157	45	512514	73.285	ng		94
17) 2-Methylphenol	7.140	107	289573	76.123	ng		98
18) Hexachloroethane	7.392	117	150991	73.550	ng		99
19) n-Nitroso-di-n-propyla...	7.304	70	238778	70.563	ng		98
20) 3+4-Methylphenols	7.292	107	345456	72.154	ng		96
22) Acetophenone	7.298	105	463019	73.349	ng	#	98
24) Nitrobenzene	7.475	77	358834	77.574	ng		98
25) Isophorone	7.716	82	632390	72.447	ng		99
26) 2-Nitrophenol	7.787	139	201064	78.009	ng		99
27) 2,4-Dimethylphenol	7.822	122	335771	76.518	ng		99
28) bis(2-Chloroethoxy)met...	7.916	93	400973	73.793	ng		100
29) 2,4-Dichlorophenol	8.028	162	306123	75.689	ng		99
30) 1,2,4-Trichlorobenzene	8.110	180	332721	74.472	ng		100
31) Naphthalene	8.192	128	1029082	73.342	ng		100
32) Benzoic acid	7.957	122	192536	79.082	ng		96
33) 4-Chloroaniline	8.239	127	413911	73.608	ng		100
34) Hexachlorobutadiene	8.304	225	204081	72.088	ng		99
35) Caprolactam	8.628	113	78302	71.952	ng		98
36) 4-Chloro-3-methylphenol	8.722	107	296520	70.974	ng		98
37) 2-Methylnaphthalene	8.881	142	627195	70.857	ng		100
38) 1-Methylnaphthalene	8.981	142	642853	69.952	ng		100
40) 1,2,4,5-Tetrachloroben...	9.051	216	315930	78.028	ng		99
41) Hexachlorocyclopentadiene	9.034	237	218091	85.183	ng		98
43) 2,4,6-Trichlorophenol	9.163	196	207984	79.375	ng		98
44) 2,4,5-Trichlorophenol	9.204	196	217860	76.993	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142795.D
Acq On : 19 Jun 2025 20:40
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jun 20 04:42:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.345	154	822529	75.525	ng	99
47) 2-Chloronaphthalene	9.375	162	620399	77.199	ng	99
48) 2-Nitroaniline	9.469	65	179718	78.716	ng	97
49) Acenaphthylene	9.786	152	1002569	74.207	ng	100
50) Dimethylphthalate	9.651	163	665322	71.510	ng	100
51) 2,6-Dinitrotoluene	9.710	165	150567	74.654	ng	99
52) Acenaphthene	9.963	154	621336	74.322	ng	100
53) 3-Nitroaniline	9.881	138	164090	74.903	ng	99
54) 2,4-Dinitrophenol	9.986	184	85185	78.050	ng	97
55) Dibenzofuran	10.133	168	862110	72.277	ng	99
56) 4-Nitrophenol	10.039	139	114163	76.771	ng	98
57) 2,4-Dinitrotoluene	10.116	165	189684	71.128	ng	95
58) Fluorene	10.475	166	663463	70.475	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	170453	71.850	ng	97
60) Diethylphthalate	10.345	149	640148	69.265	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	318782	69.722	ng	98
62) 4-Nitroaniline	10.498	138	147879	75.193	ng	98
63) Azobenzene	10.628	77	578765	71.659	ng	99
65) 4,6-Dinitro-2-methylph...	10.528	198	106528	80.401	ng	98
66) n-Nitrosodiphenylamine	10.586	169	564677	77.075	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	191698	76.768	ng	97
68) Hexachlorobenzene	11.022	284	210925	76.086	ng	98
69) Atrazine	11.110	200	148117	76.143	ng	100
70) Pentachlorophenol	11.216	266	113104	78.555	ng	99
71) Phenanthrene	11.439	178	845899	74.102	ng	99
72) Anthracene	11.492	178	862662	73.008	ng	99
73) Carbazole	11.645	167	738174	74.602	ng	100
74) Di-n-butylphthalate	11.969	149	798500	72.884	ng	100
75) Fluoranthene	12.627	202	766933	70.711	ng	99
77) Benzidine	12.751	184	299985	66.350	ng	100
78) Pyrene	12.857	202	750100	63.894	ng	98
80) Butylbenzylphthalate	13.474	149	287568	82.658	ng	97
81) Benzo(a)anthracene	14.051	228	655753	78.202	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	223571	82.340	ng	100
83) Chrysene	14.086	228	587658	75.278	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	448387	86.499	ng	99
85) Di-n-octyl phthalate	14.651	149	843227	85.366	ng	100
87) Indeno(1,2,3-cd)pyrene	17.074	276	1010374	78.036	ng	99
88) Benzo(b)fluoranthene	15.115	252	749341	73.471	ng	100
89) Benzo(k)fluoranthene	15.145	252	747789	75.108	ng	99
90) Benzo(a)pyrene	15.492	252	759483	77.813	ng	100
91) Dibenzo(a,h)anthracene	17.092	278	806991	76.662	ng	99
92) Benzo(g,h,i)perylene	17.539	276	813177	77.429	ng	99

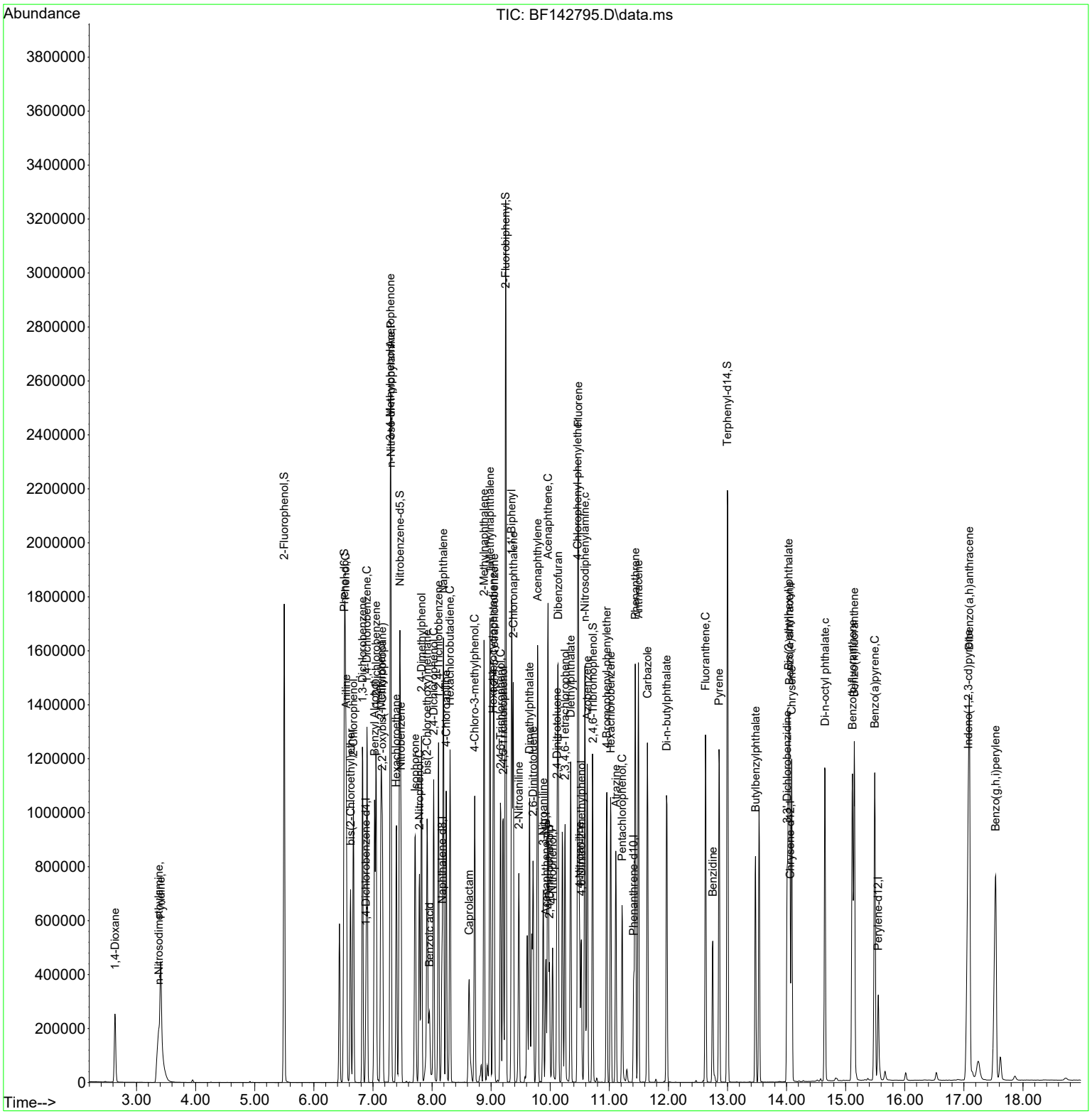
(#) = qualifier out of range (m) = manual integration (+) = signals summed

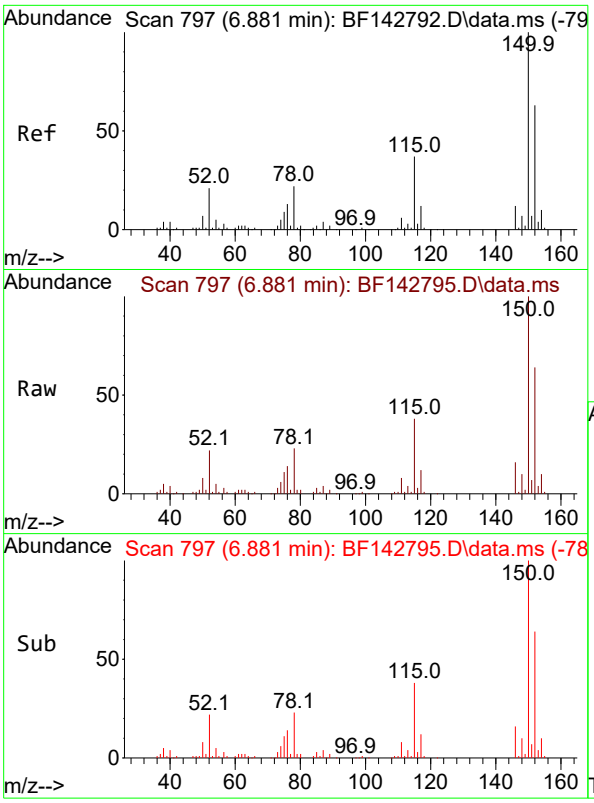
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142795.D
Acq On : 19 Jun 2025 20:40
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jun 20 04:42:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



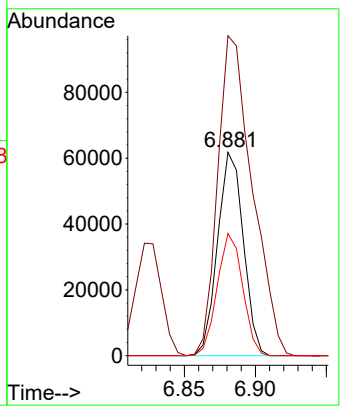


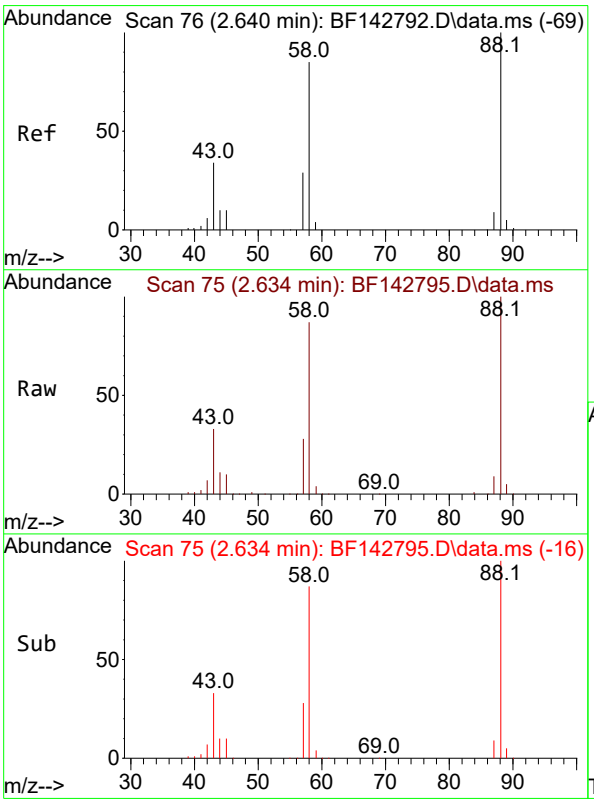
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 77938

Ion	Ratio	Lower	Upper
152	100		
150	157.3	127.2	190.8
115	60.0	46.6	69.8

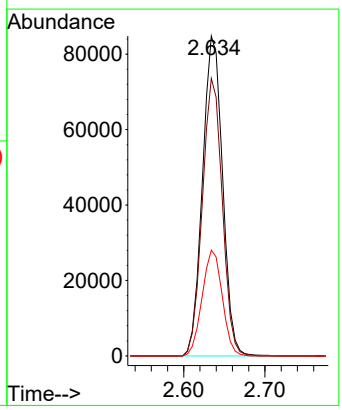


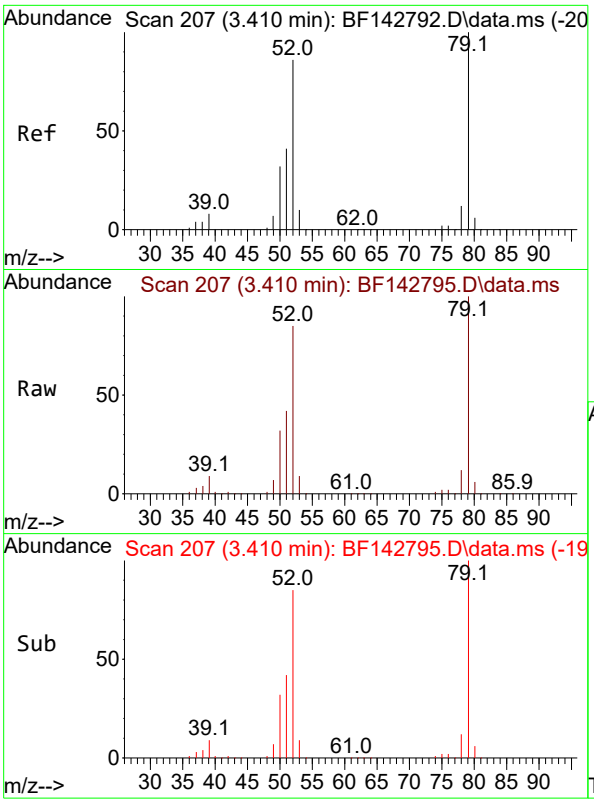


#2
1,4-Dioxane
Concen: 80.147 ng
RT: 2.634 min Scan# 75
Delta R.T. -0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 88 Resp: 145434

Ion	Ratio	Lower	Upper
88	100		
58	86.0	69.1	103.7
43	33.2	27.4	41.2



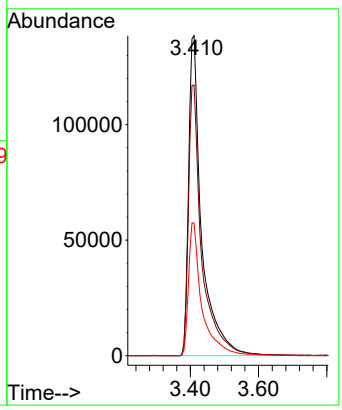


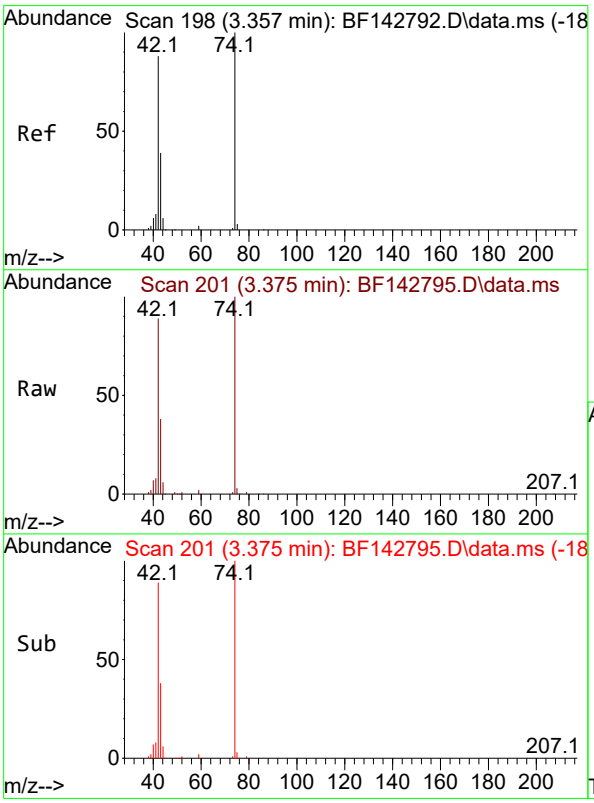
#3
Pyridine
Concen: 81.031 ng
RT: 3.410 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 368129

Ion	Ratio	Lower	Upper
79	100		
52	84.6	69.2	103.8
51	41.5	33.2	49.8

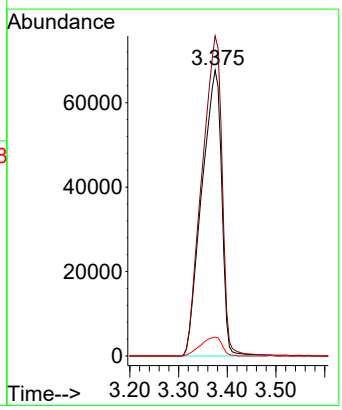


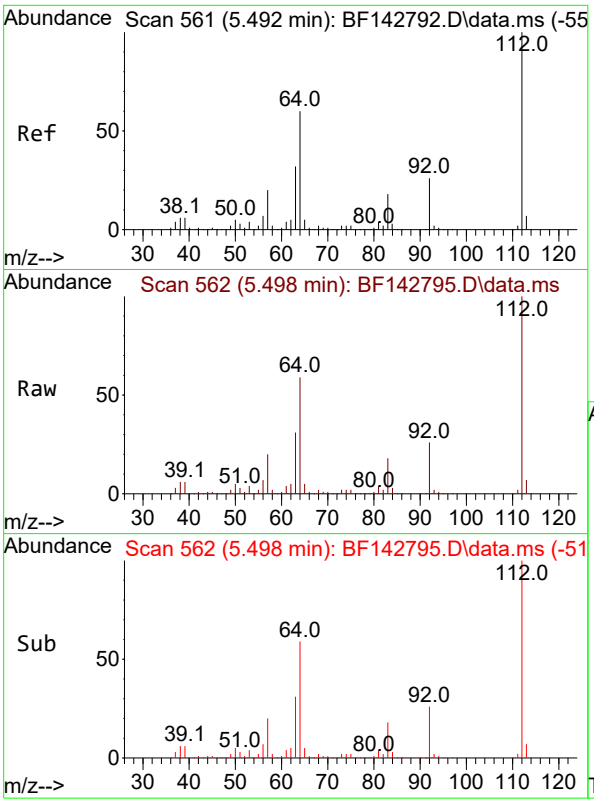


#4
n-Nitrosodimethylamine
Concen: 82.265 ng
RT: 3.375 min Scan# 201
Delta R.T. 0.018 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 42 Resp: 191412

Ion	Ratio	Lower	Upper
42	100		
74	112.0	90.9	136.3
44	6.6	5.8	8.6



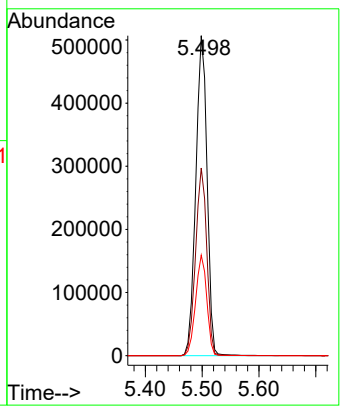


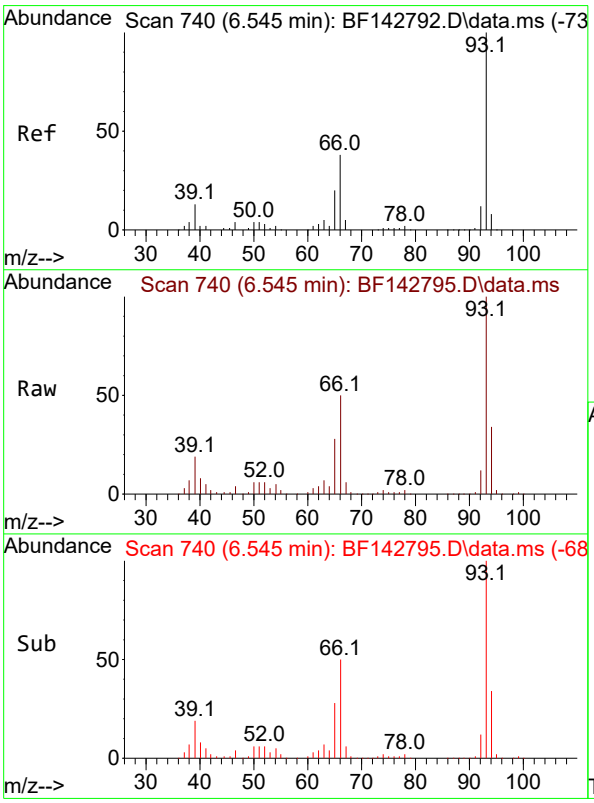
#5
2-Fluorophenol
Concen: 153.880 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 703164

Ion	Ratio	Lower	Upper
112	100		
64	58.7	48.2	72.2
63	31.4	25.7	38.5

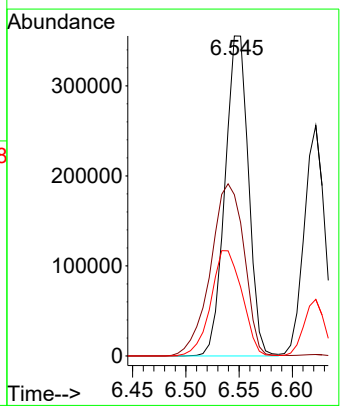


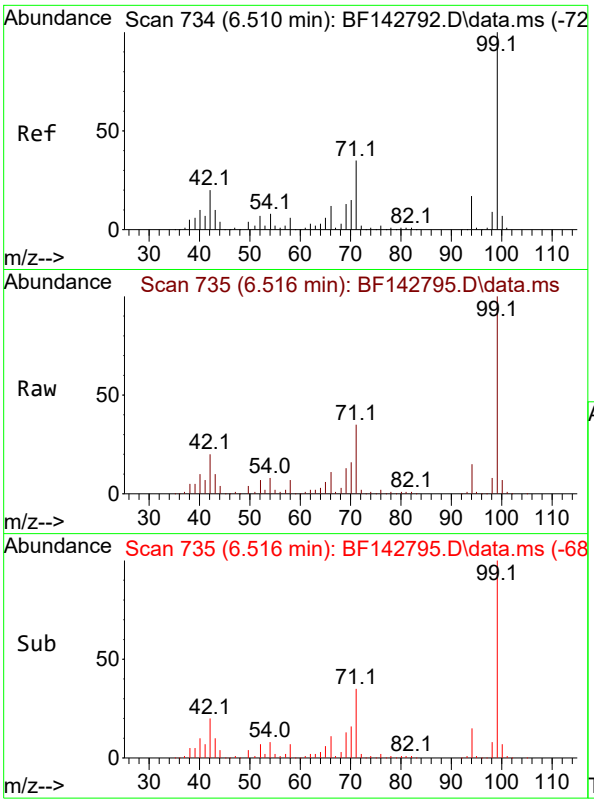


#6
Aniline
Concen: 75.672 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 93 Resp: 544167

Ion	Ratio	Lower	Upper
93	100		
66	50.4	31.8	47.6#
65	27.8	16.2	24.2#



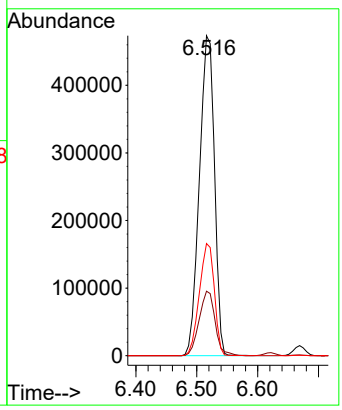


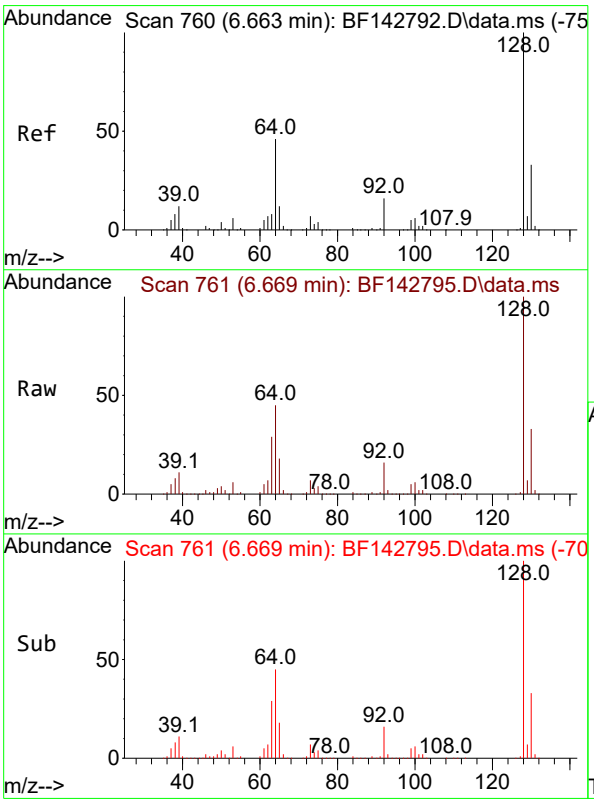
#7
Phenol-d6
Concen: 151.631 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 813626

Ion	Ratio	Lower	Upper
99	100		
42	20.1	15.9	23.9
71	35.1	27.8	41.8

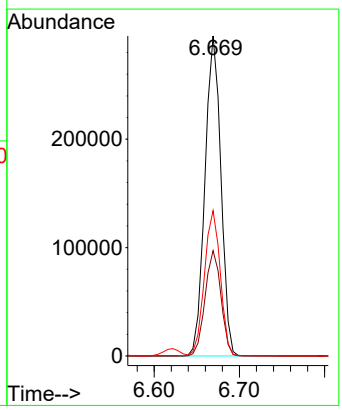


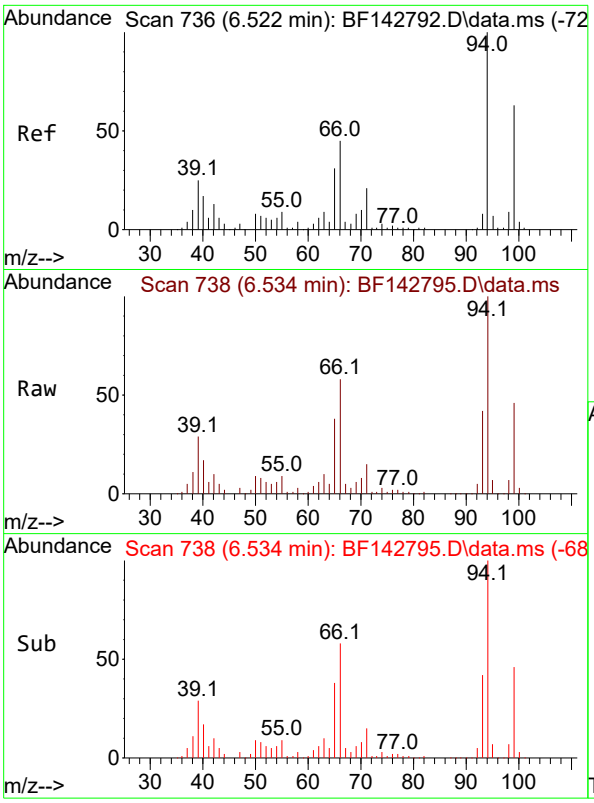


#8
2-Chlorophenol
Concen: 77.116 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:128 Resp: 383707

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.7	52.7
64	45.4	26.5	66.5



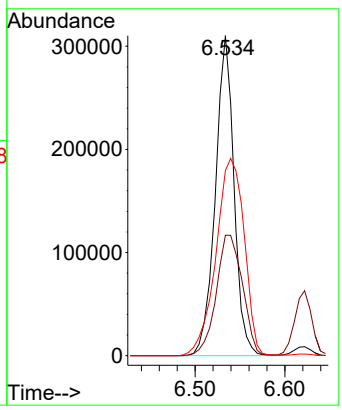


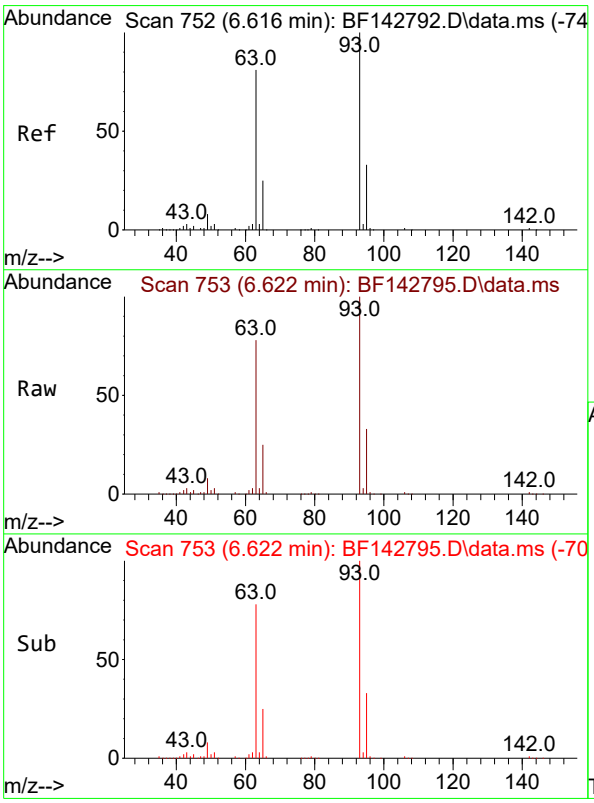
#10
Phenol
Concen: 74.906 ng
RT: 6.534 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 94 Resp: 448139

Ion	Ratio	Lower	Upper
94	100		
65	37.7	11.3	51.3
66	57.8	24.9	64.9

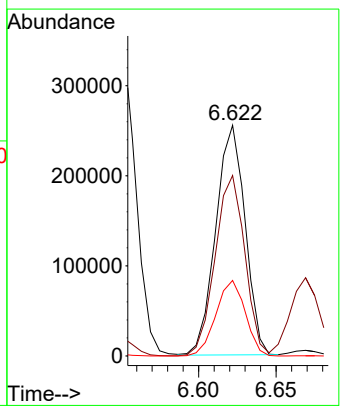


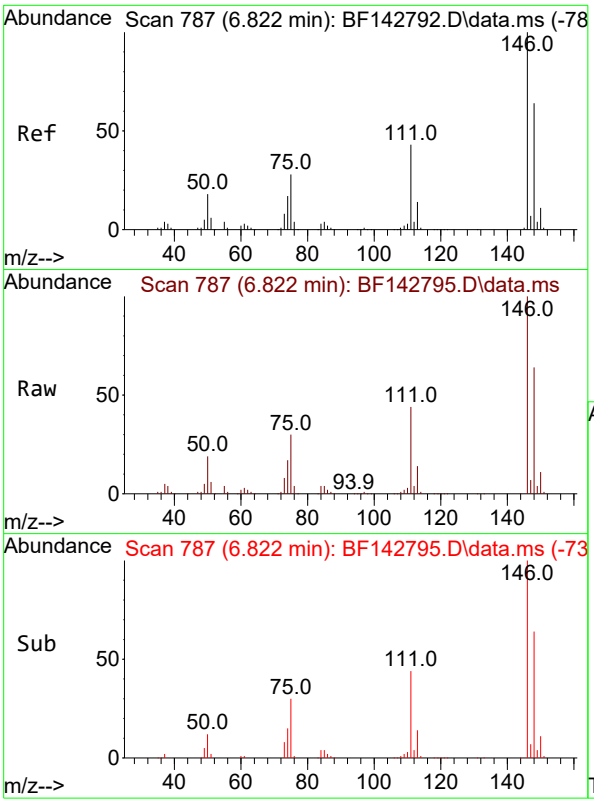


#11
bis(2-Chloroethyl)ether
Concen: 75.639 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 93 Resp: 335736

Ion	Ratio	Lower	Upper
93	100		
63	78.2	60.3	100.3
95	32.8	12.5	52.5



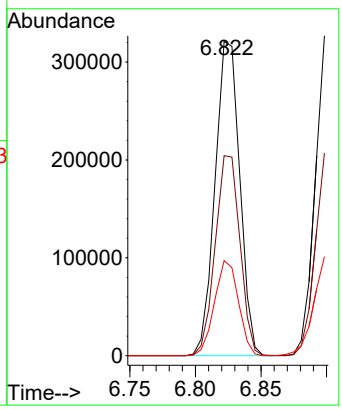


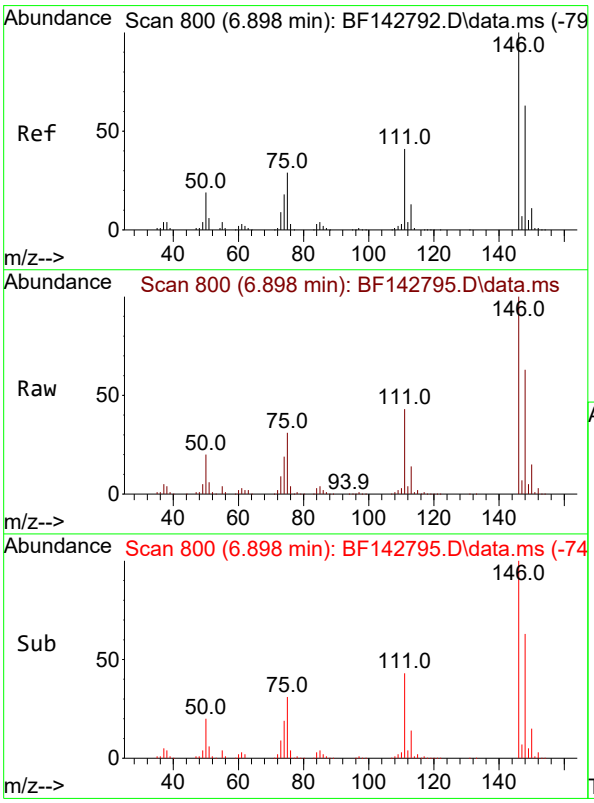
#12
1,3-Dichlorobenzene
Concen: 74.190 ng
RT: 6.822 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 420352

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.1	76.7
75	30.2	22.7	34.1

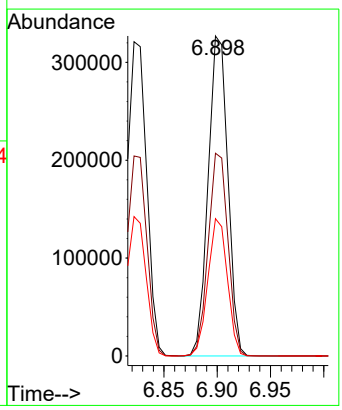


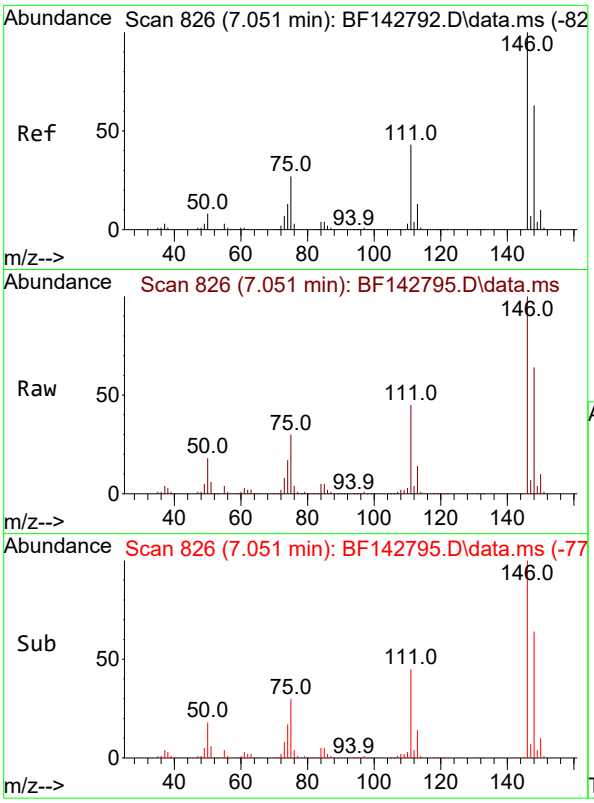


#13
1,4-Dichlorobenzene
Concen: 73.115 ng
RT: 6.898 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:146 Resp: 419873

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.2	75.2
111	42.9	33.2	49.8



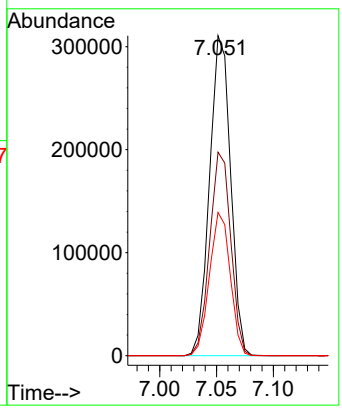


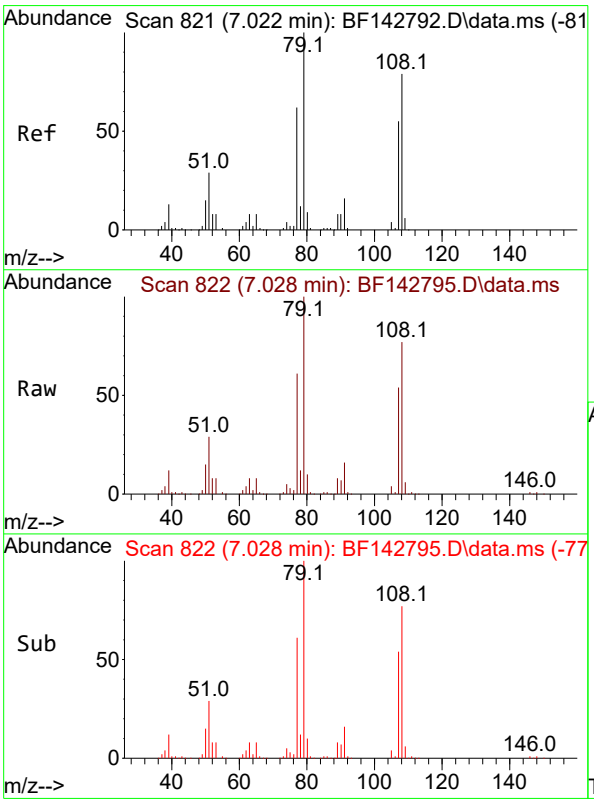
#14
1,2-Dichlorobenzene
Concen: 72.897 ng
RT: 7.051 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 400191

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.4	75.6
111	44.8	34.1	51.1

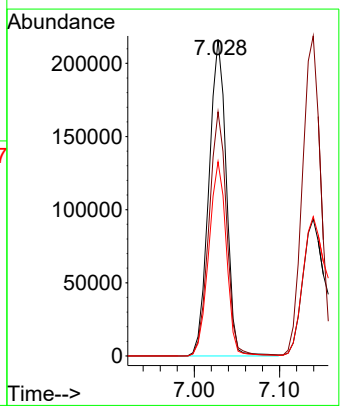


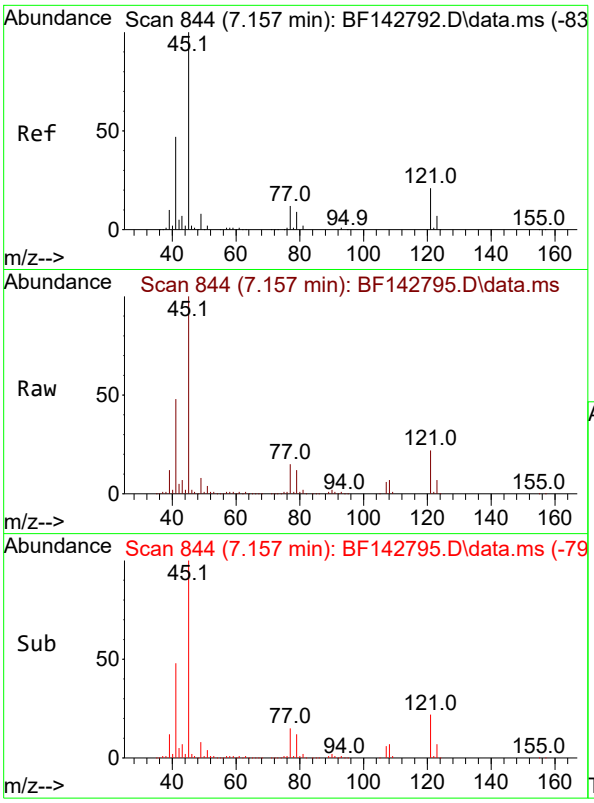


#15
Benzyl Alcohol
Concen: 76.460 ng
RT: 7.028 min Scan# 822
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 79 Resp: 307100

Ion	Ratio	Lower	Upper
79	100		
108	77.2	63.4	95.0
77	61.4	49.5	74.3



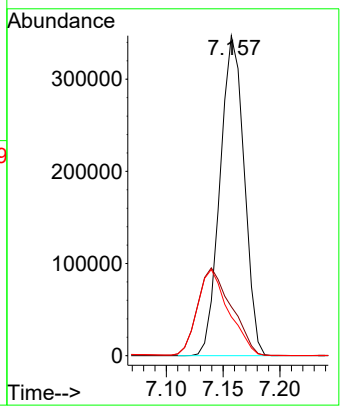


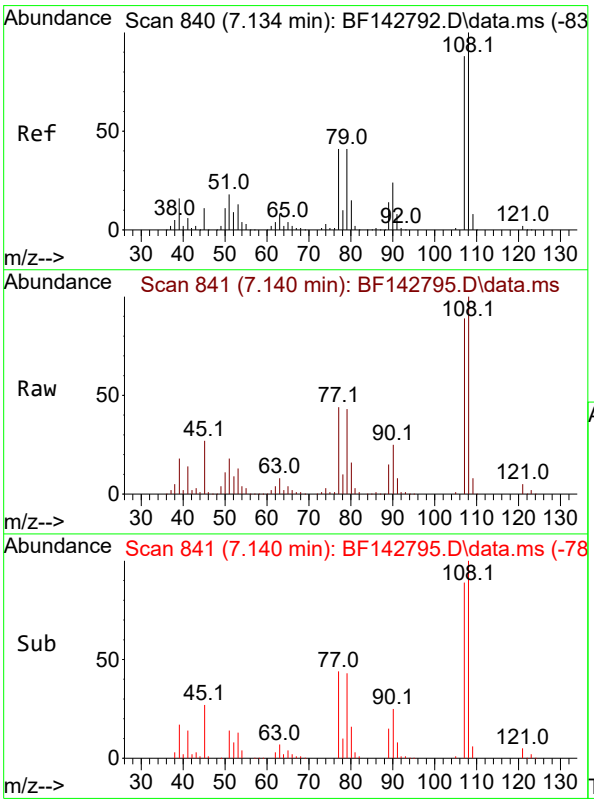
#16
2,2'-oxybis(1-Chloropropane)
Concen: 73.285 ng
RT: 7.157 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 45 Resp: 512514

Ion	Ratio	Lower	Upper
45	100		
77	15.3	0.0	32.8
79	12.1	0.0	29.8

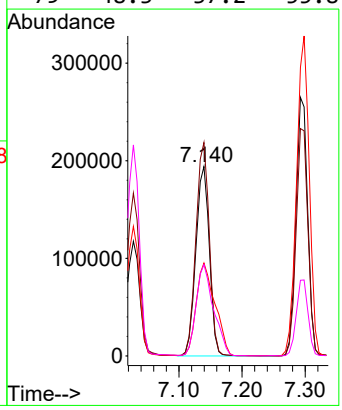


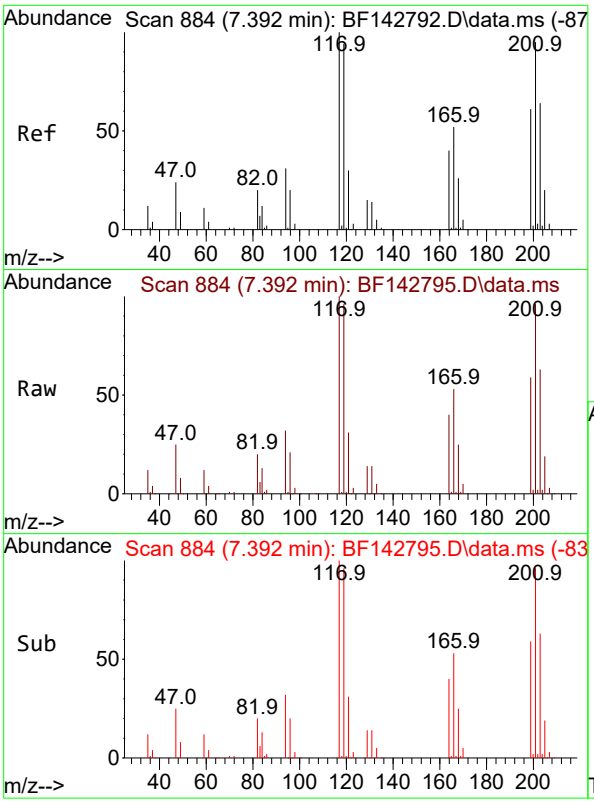


#17
2-Methylphenol
Concen: 76.123 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:107 Resp: 289573

Ion	Ratio	Lower	Upper
107	100		
108	112.7	90.9	136.3
77	49.1	37.3	55.9
79	48.3	37.2	55.8



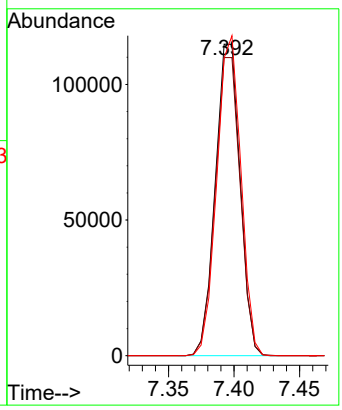


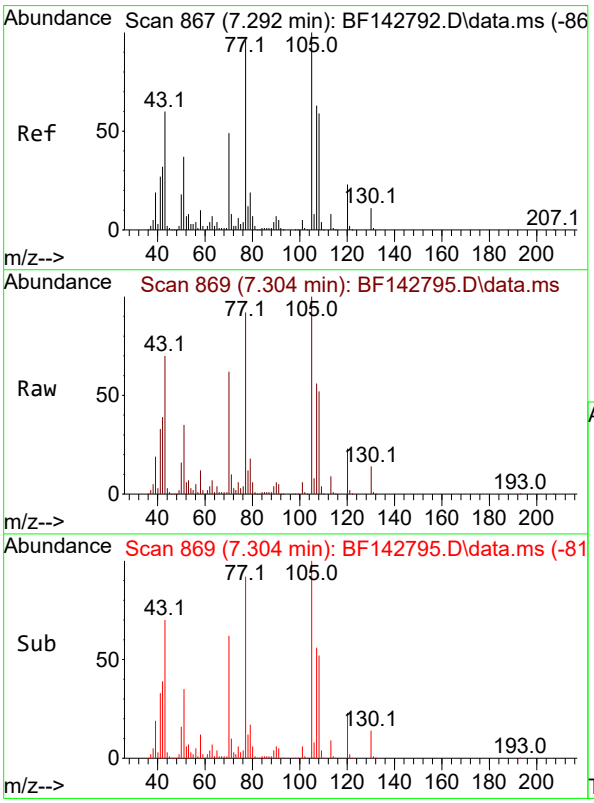
#18
Hexachloroethane
Concen: 73.550 ng
RT: 7.392 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:117 Resp: 150991

Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.4	113.0
201	95.5	75.9	113.9

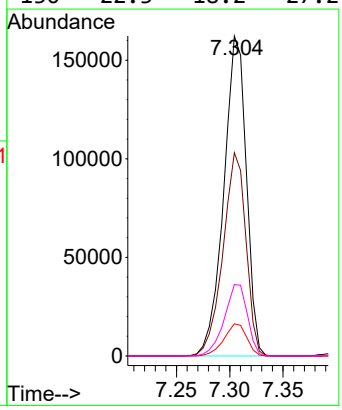


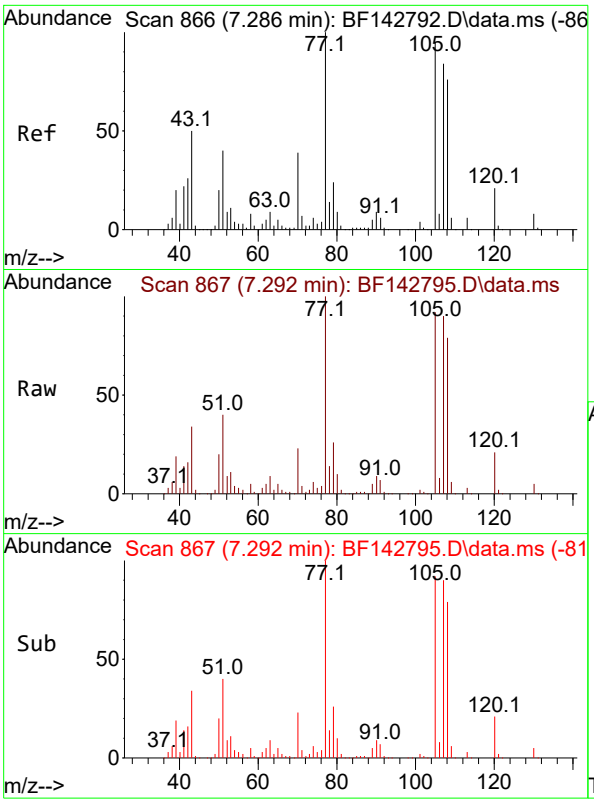


#19
n-Nitroso-di-n-propylamine
Concen: 70.563 ng
RT: 7.304 min Scan# 869
Delta R.T. 0.012 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 70 Resp: 238778

Ion	Ratio	Lower	Upper
70	100		
42	63.5	52.1	78.1
101	10.0	8.2	12.2
130	22.3	18.2	27.2



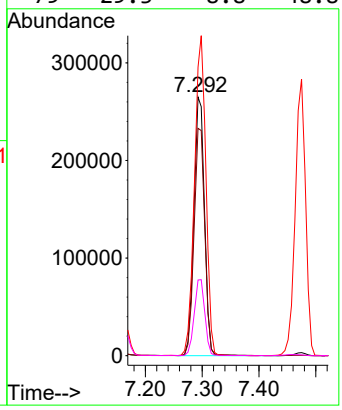


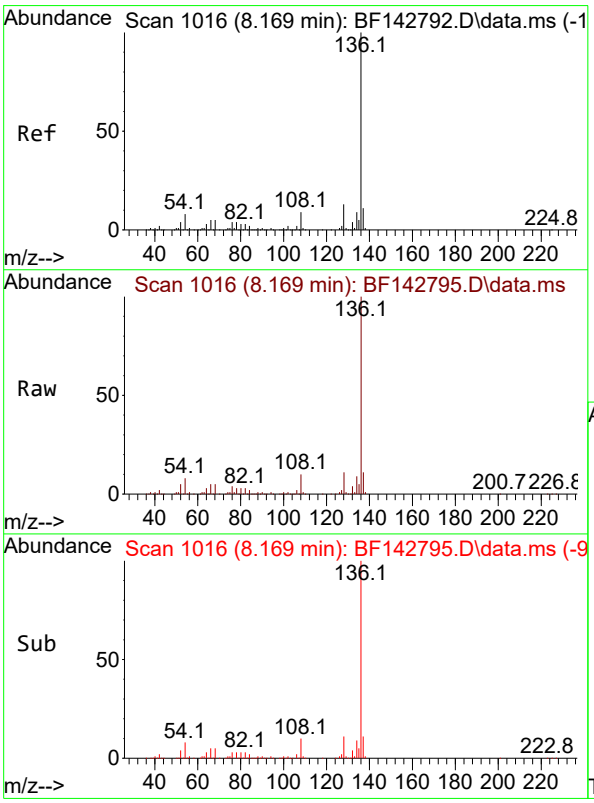
#20
3+4-Methylphenols
Concen: 72.154 ng
RT: 7.292 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 345456

Ion	Ratio	Lower	Upper
107	100		
108	87.9	70.0	110.0
77	111.5	98.5	138.5
79	29.3	8.8	48.8

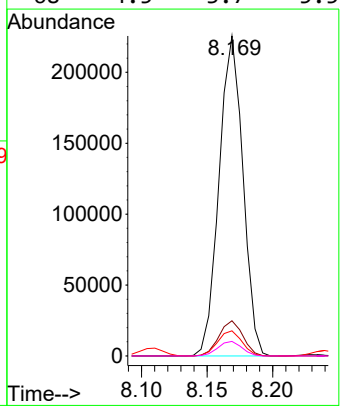


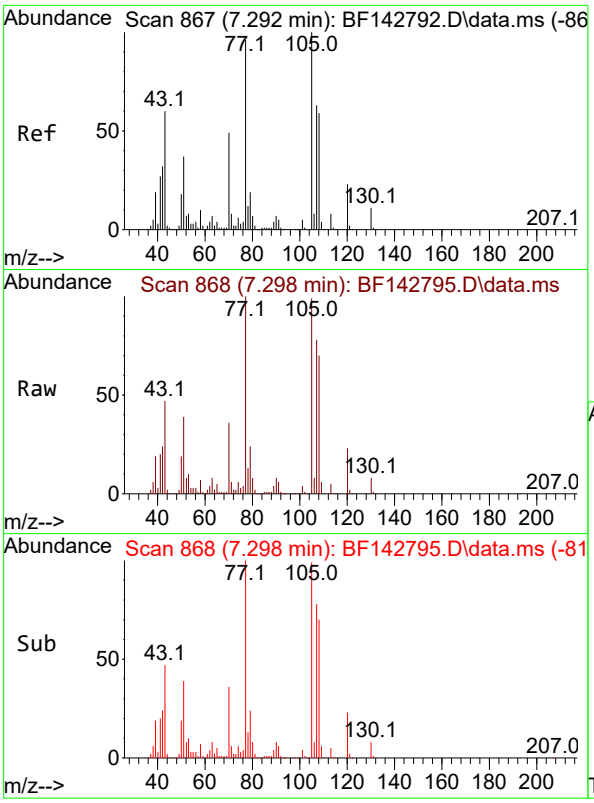


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:136 Resp: 285299

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	7.9	6.3	9.5
68	4.5	3.7	5.5



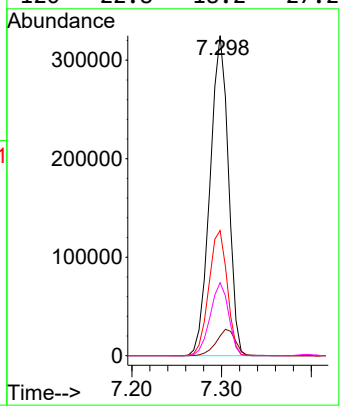


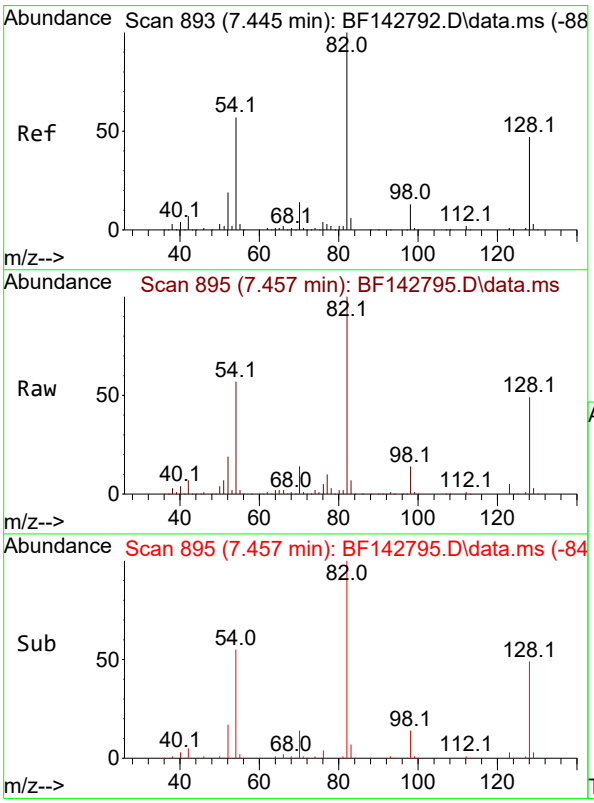
#22
Acetophenone
Concen: 73.349 ng
RT: 7.298 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:105 Resp: 463019

Ion	Ratio	Lower	Upper
105	100		
71	6.2	6.5	9.7#
51	39.1	29.8	44.8
120	22.8	18.2	27.2

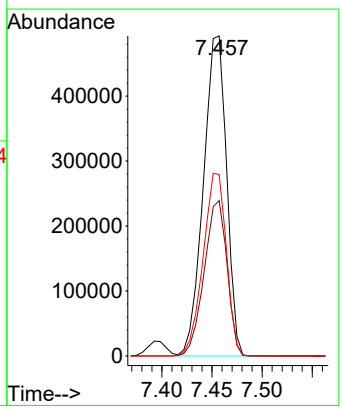


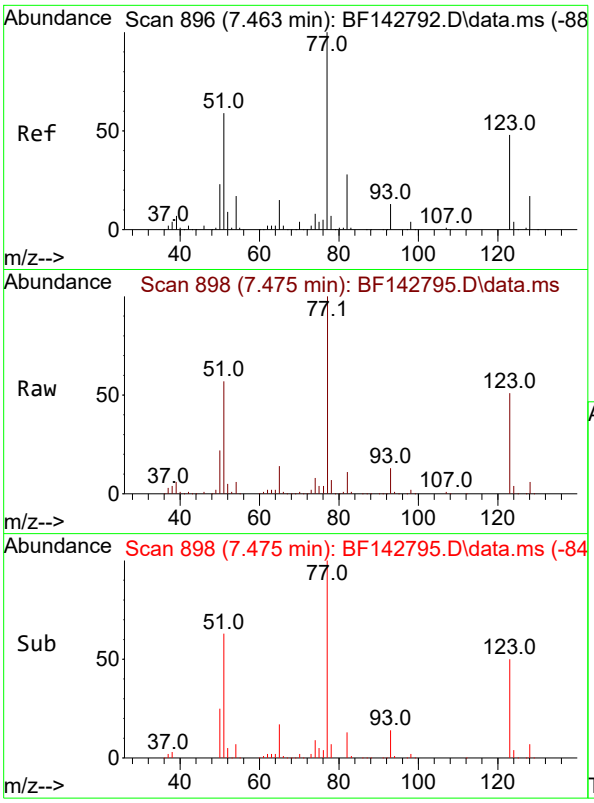


#23
Nitrobenzene-d5
Concen: 152.234 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.012 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 82 Resp: 792380

Ion	Ratio	Lower	Upper
82	100		
128	48.5	37.7	56.5
54	56.7	45.7	68.5



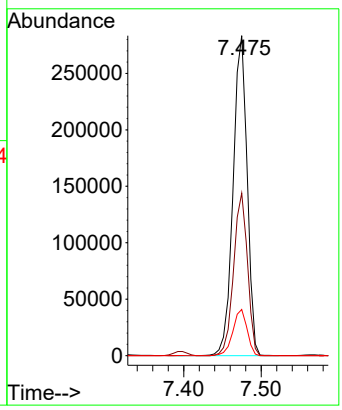


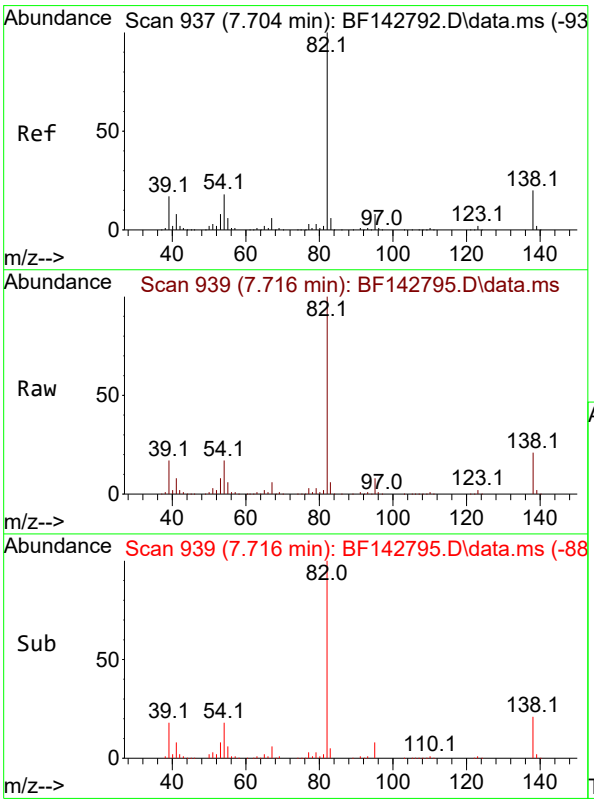
#24
Nitrobenzene
Concen: 77.574 ng
RT: 7.475 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 358834

Ion	Ratio	Lower	Upper
77	100		
123	50.8	39.2	58.8
65	14.4	11.6	17.4

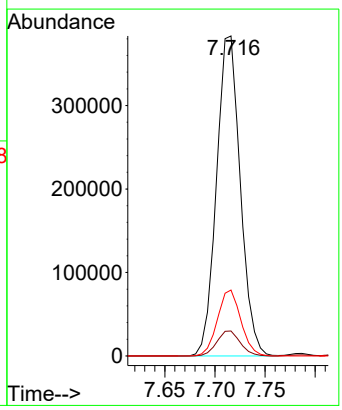


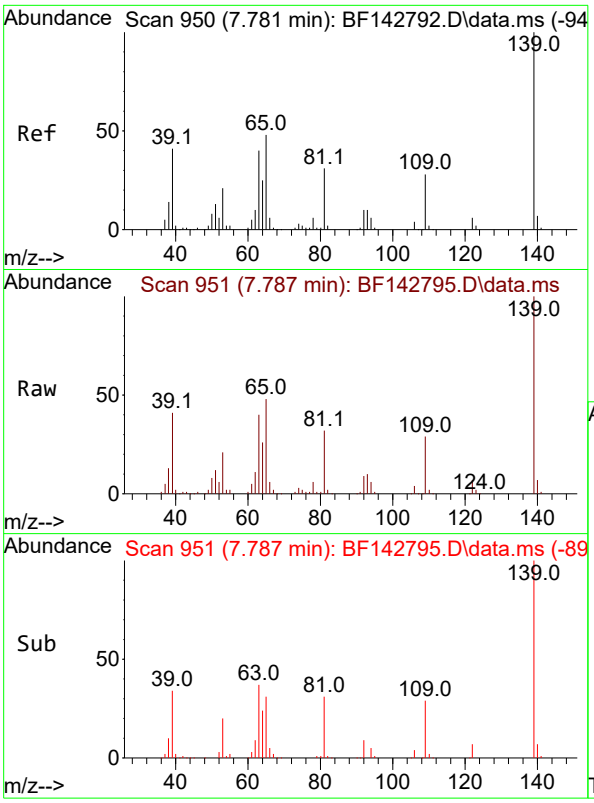


#25
Isophorone
Concen: 72.447 ng
RT: 7.716 min Scan# 939
Delta R.T. 0.012 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 82 Resp: 632390

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.2	9.2
138	20.6	16.2	24.4



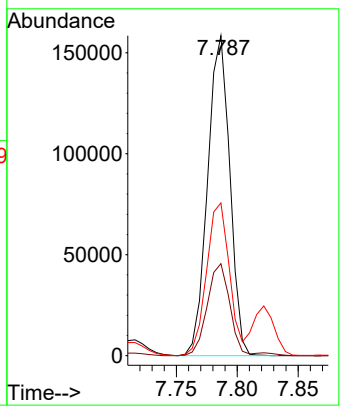


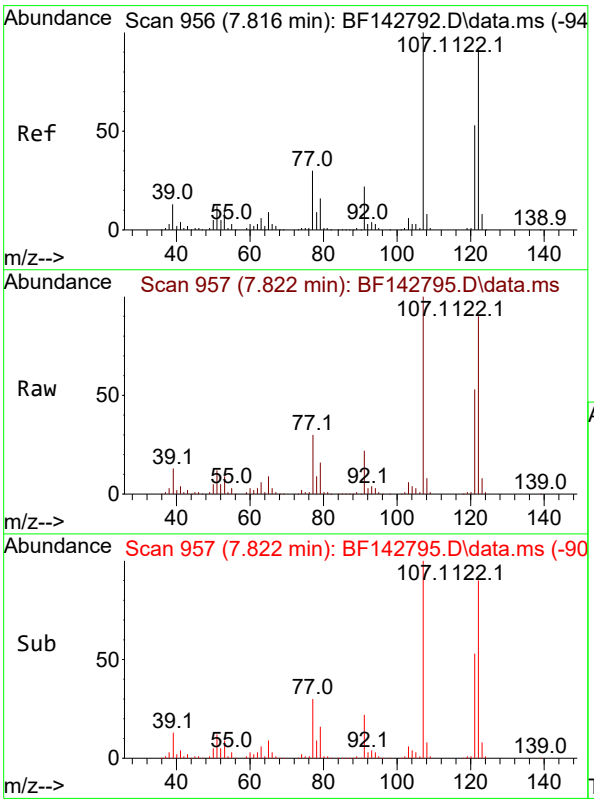
#26
2-Nitrophenol
Concen: 78.009 ng
RT: 7.787 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:139 Resp: 201064

Ion	Ratio	Lower	Upper
139	100		
109	28.8	22.7	34.1
65	47.8	38.6	58.0

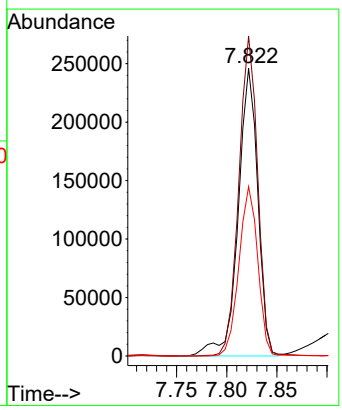


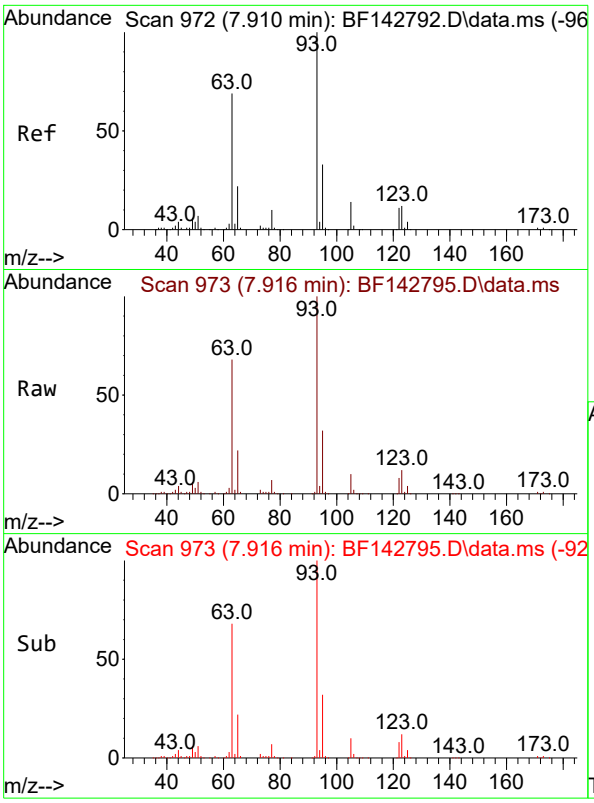


#27
2,4-Dimethylphenol
Concen: 76.518 ng
RT: 7.822 min Scan# 957
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:122 Resp: 335771

Ion	Ratio	Lower	Upper
122	100		
107	111.2	88.0	132.0
121	58.9	46.3	69.5



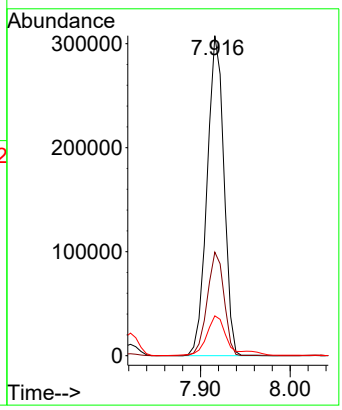


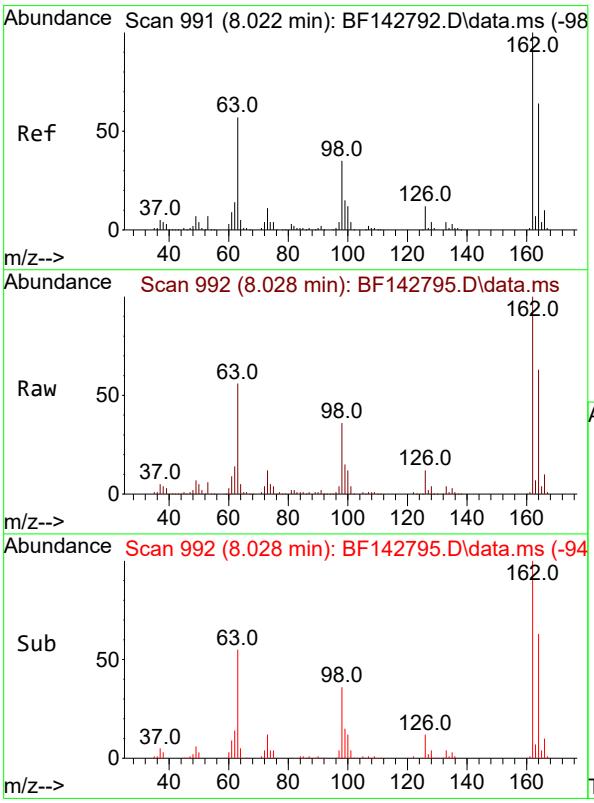
#28
bis(2-Chloroethoxy)methane
Concen: 73.793 ng
RT: 7.916 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 400973

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.2
123	12.4	9.9	14.9

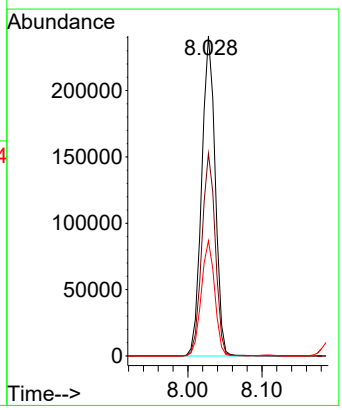


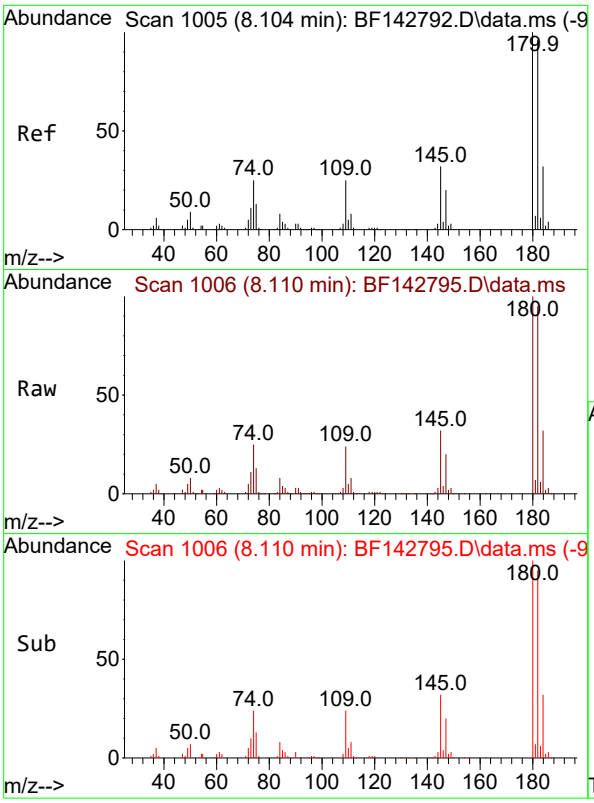


#29
2,4-Dichlorophenol
Concen: 75.689 ng
RT: 8.028 min Scan# 992
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:162 Resp: 306123

Ion	Ratio	Lower	Upper
162	100		
164	63.3	44.0	84.0
98	36.0	15.4	55.4



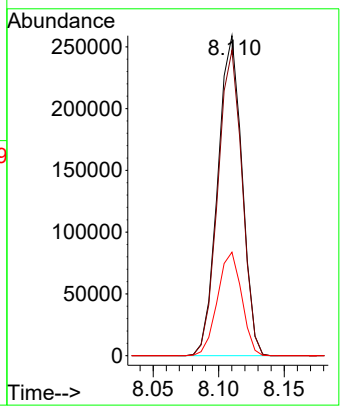


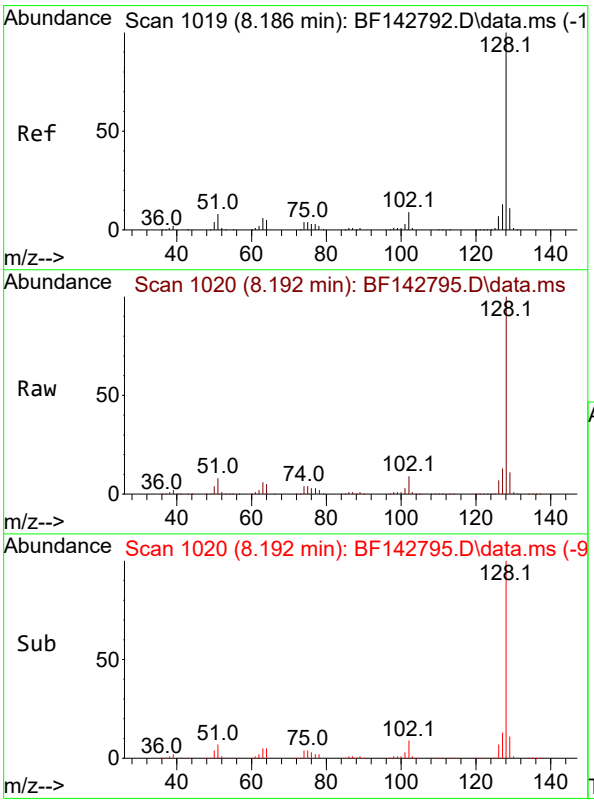
#30
1,2,4-Trichlorobenzene
Concen: 74.472 ng
RT: 8.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:180 Resp: 332721

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.4	114.6
145	32.3	25.8	38.8

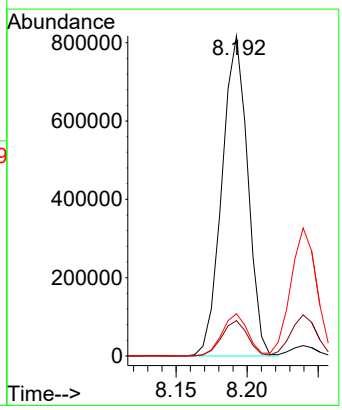


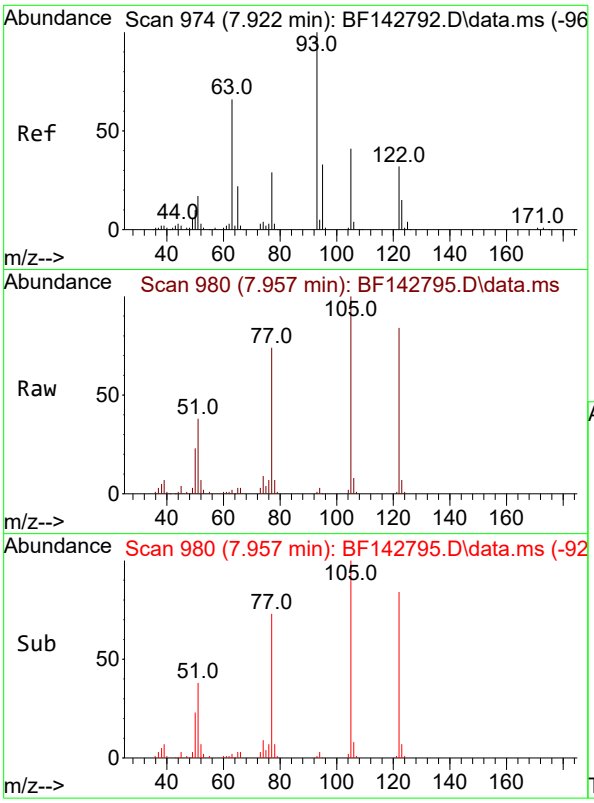


#31
Naphthalene
Concen: 73.342 ng
RT: 8.192 min Scan# 1020
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:128 Resp: 1029082

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.2	10.4	15.6



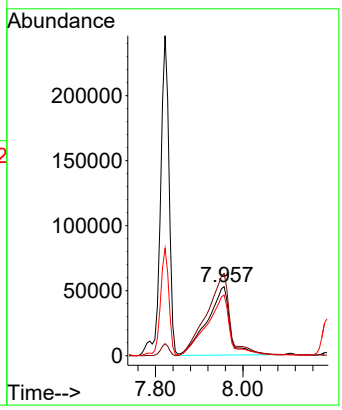


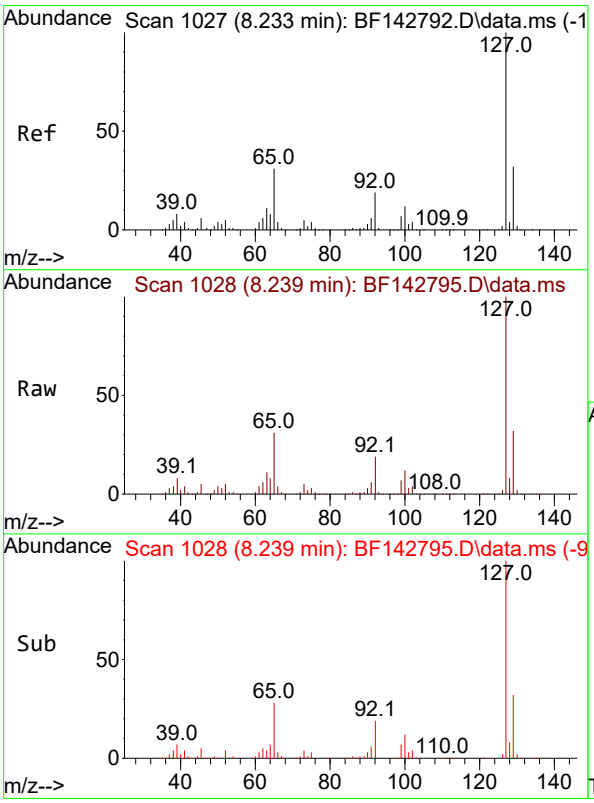
#32
Benzoic acid
Concen: 79.082 ng
RT: 7.957 min Scan# 9
Delta R.T. 0.035 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 192536

Ion	Ratio	Lower	Upper
122	100		
105	119.5	104.7	144.7
77	88.0	70.2	110.2

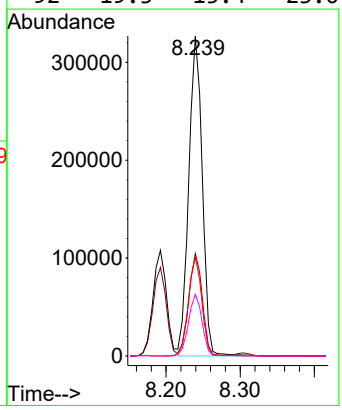


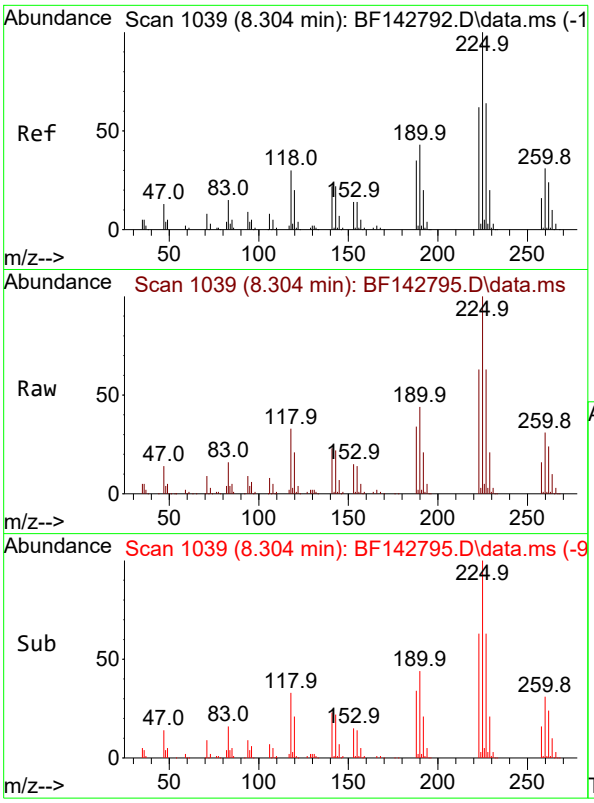


#33
4-Chloroaniline
Concen: 73.608 ng
RT: 8.239 min Scan# 1028
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:127 Resp: 413911

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.9	38.9
65	30.8	24.6	36.8
92	19.3	15.4	23.0



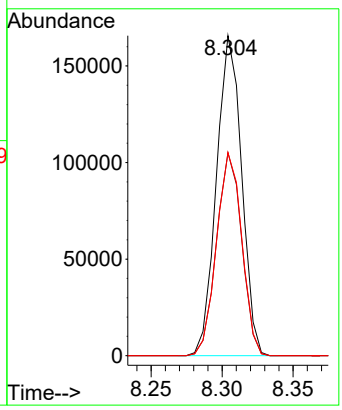


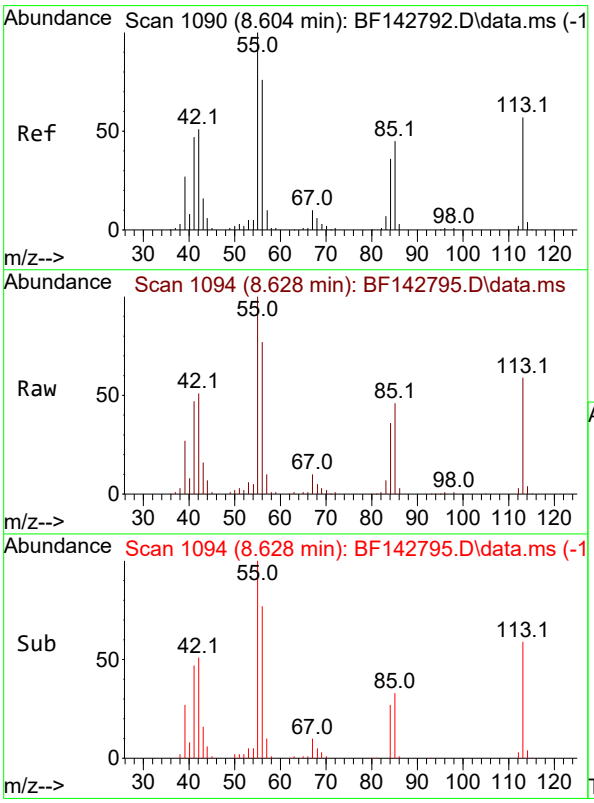
#34
Hexachlorobutadiene
Concen: 72.088 ng
RT: 8.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:225 Resp: 204081

Ion	Ratio	Lower	Upper
225	100		
223	63.4	49.9	74.9
227	63.5	51.4	77.0

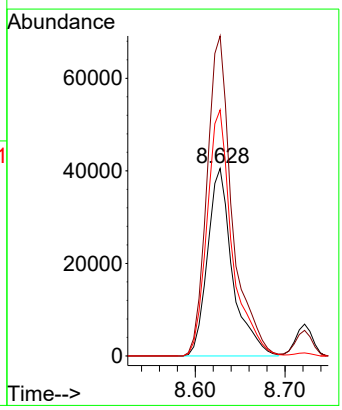


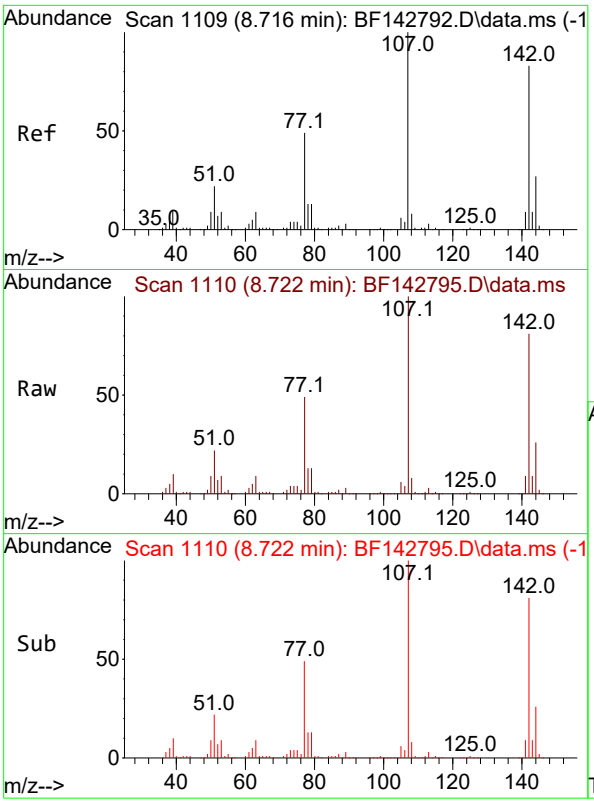


#35
Caprolactam
Concen: 71.952 ng
RT: 8.628 min Scan# 1094
Delta R.T. 0.024 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:113 Resp: 78302

Ion	Ratio	Lower	Upper
113	100		
55	170.6	154.4	194.4
56	131.2	112.1	152.1



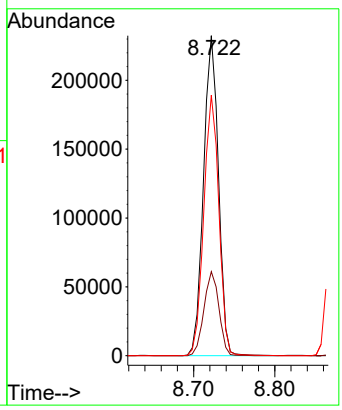


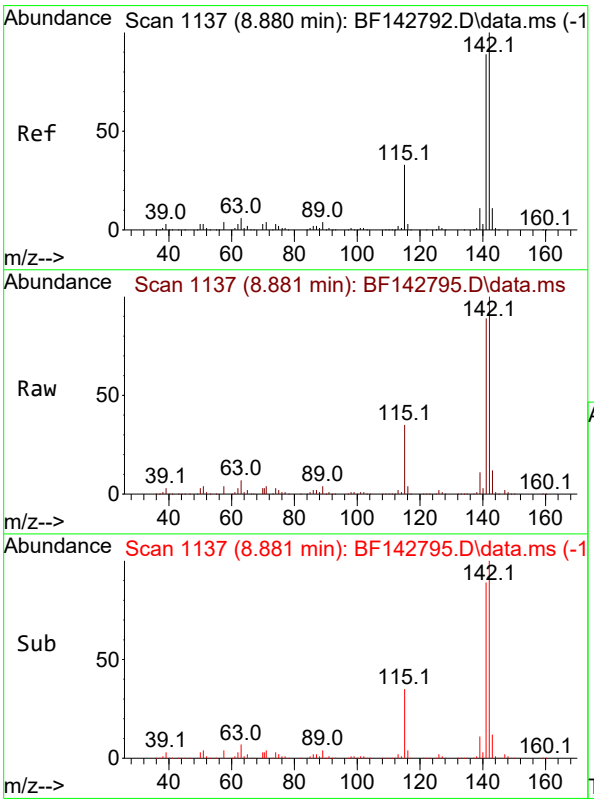
#36
4-Chloro-3-methylphenol
Concen: 70.974 ng
RT: 8.722 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 296520

Ion	Ratio	Lower	Upper
107	100		
144	26.2	21.3	31.9
142	81.4	66.6	100.0

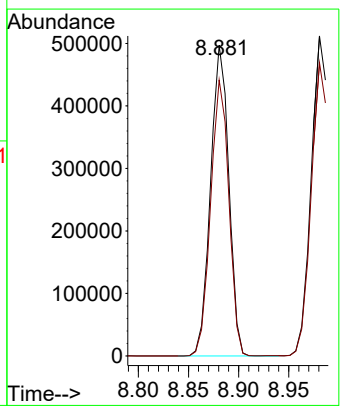


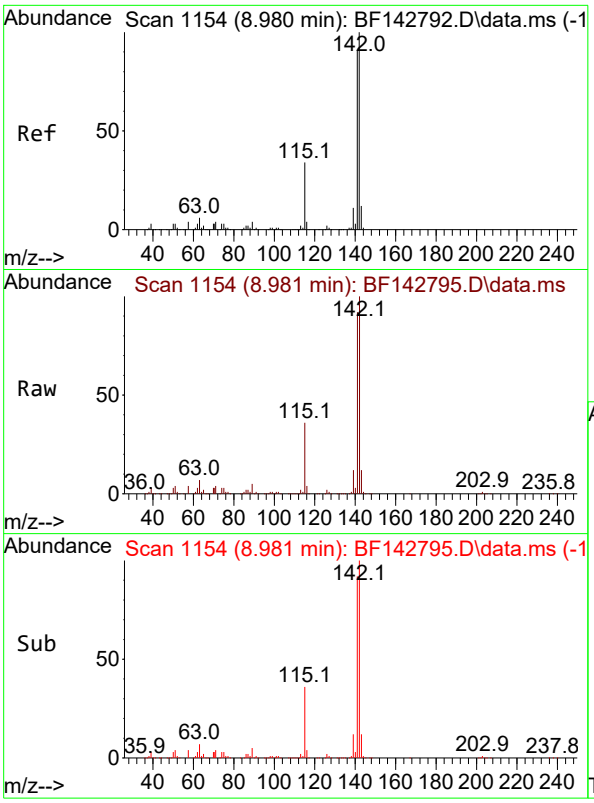


#37
2-Methylnaphthalene
Concen: 70.857 ng
RT: 8.881 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:142 Resp: 627195

Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.9	106.3



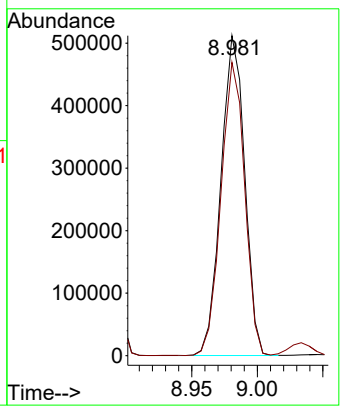


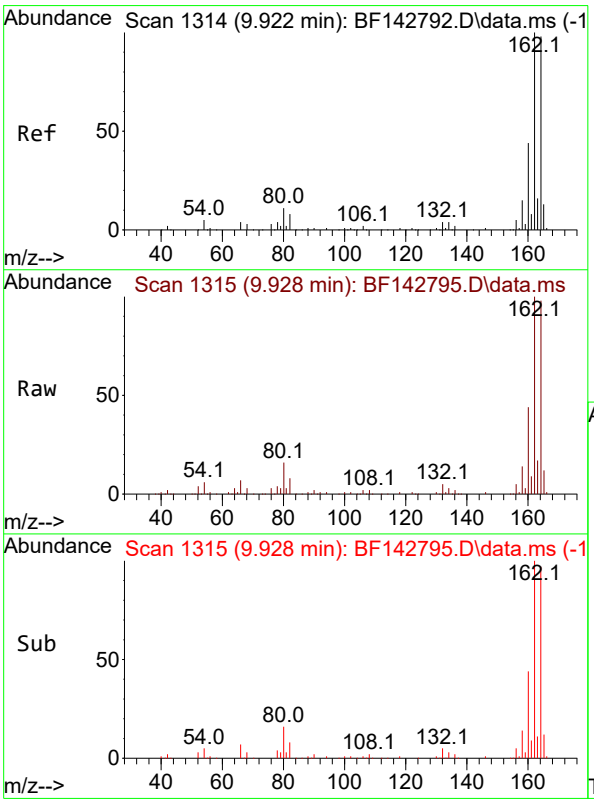
#38
1-Methylnaphthalene
Concen: 69.952 ng
RT: 8.981 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 642853

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.0	109.4

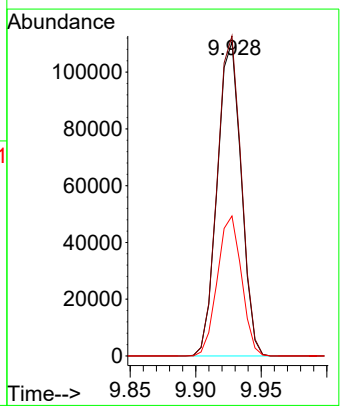


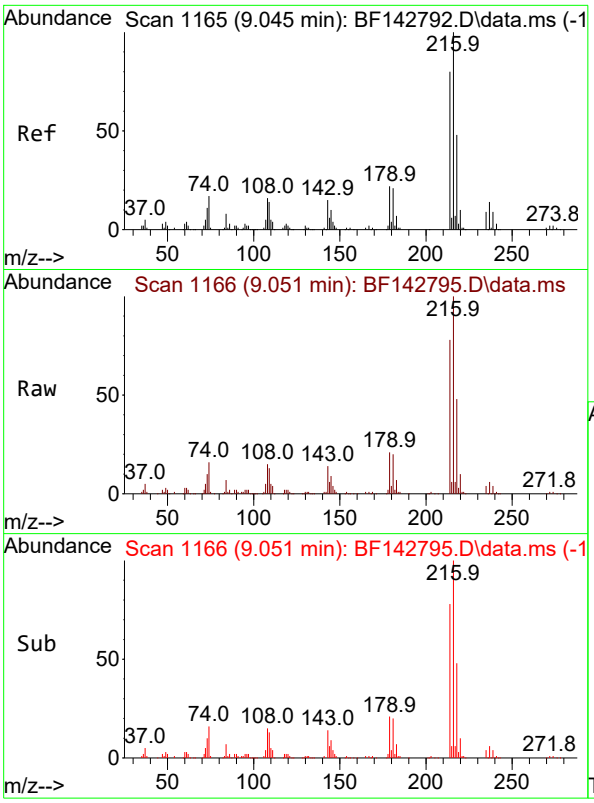


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1315
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:164 Resp: 140262

Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.8	122.8
160	44.6	36.0	54.0



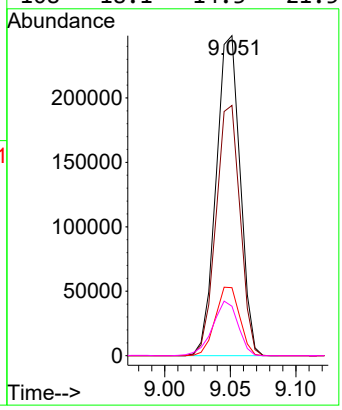


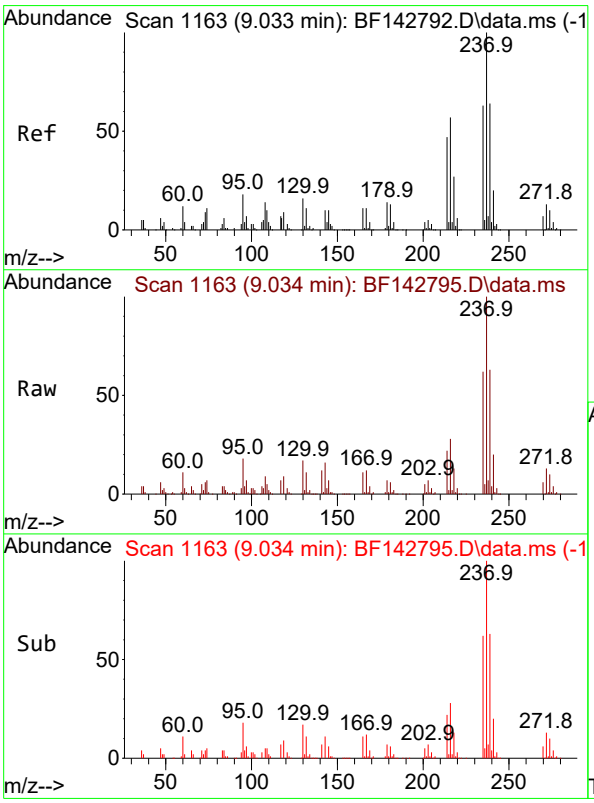
#40
1,2,4,5-Tetrachlorobenzene
Concen: 78.028 ng
RT: 9.051 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:216 Resp: 315930

Ion	Ratio	Lower	Upper
216	100		
214	78.5	63.7	95.5
179	21.7	17.6	26.4
108	18.1	14.3	21.5

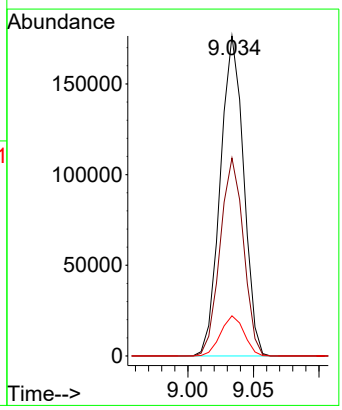


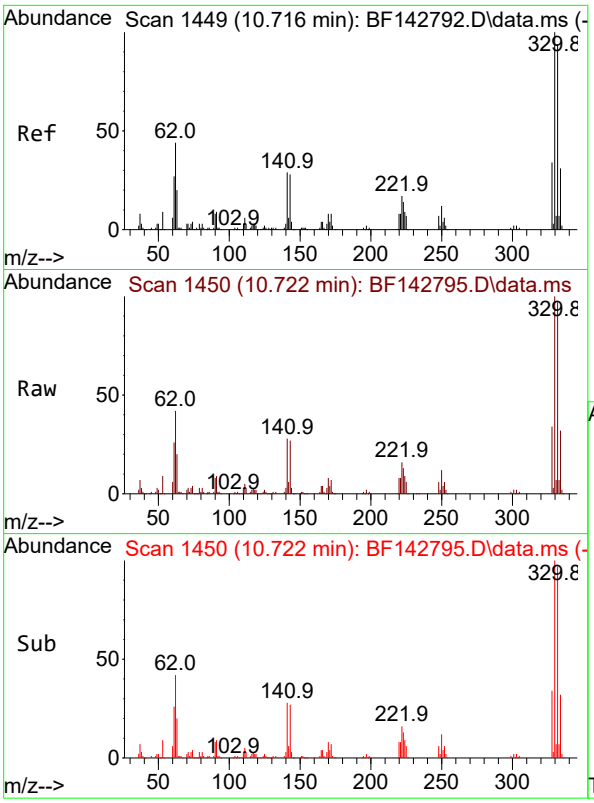


#41
Hexachlorocyclopentadiene
Concen: 85.183 ng
RT: 9.034 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:237 Resp: 218091

Ion	Ratio	Lower	Upper
237	100		
235	61.9	43.4	83.4
272	12.6	0.0	32.7



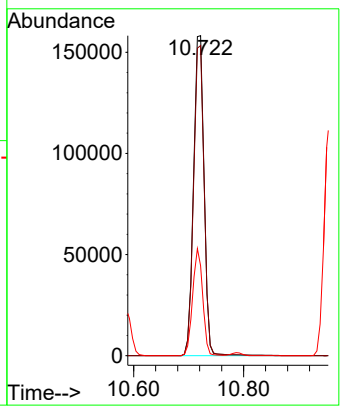


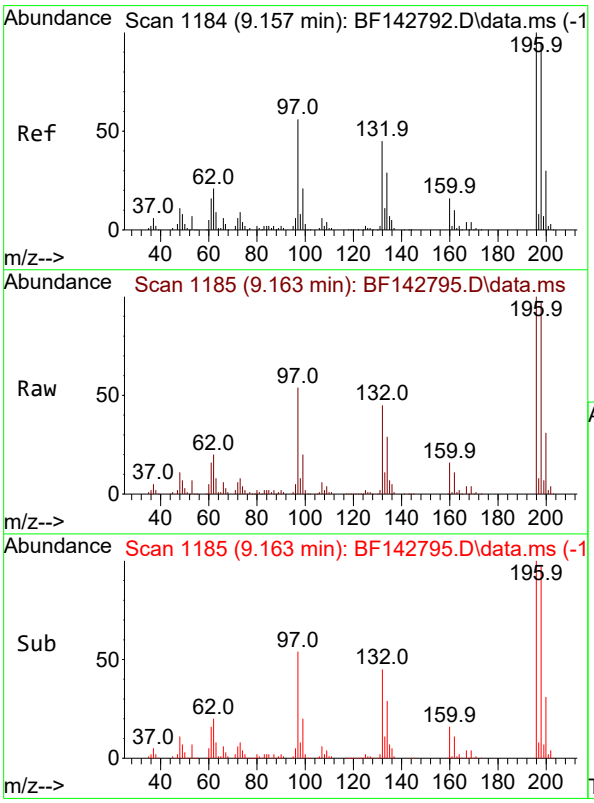
#42
2,4,6-Tribromophenol
Concen: 137.823 ng
RT: 10.722 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:330 Resp: 210092

Ion	Ratio	Lower	Upper
330	100		
332	96.7	75.0	112.6
141	31.9	25.3	37.9

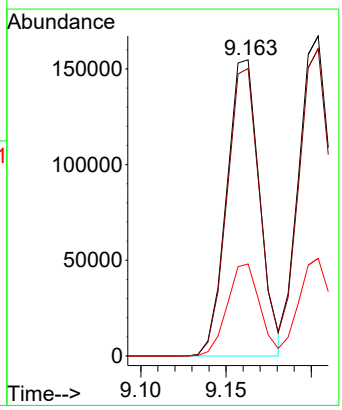


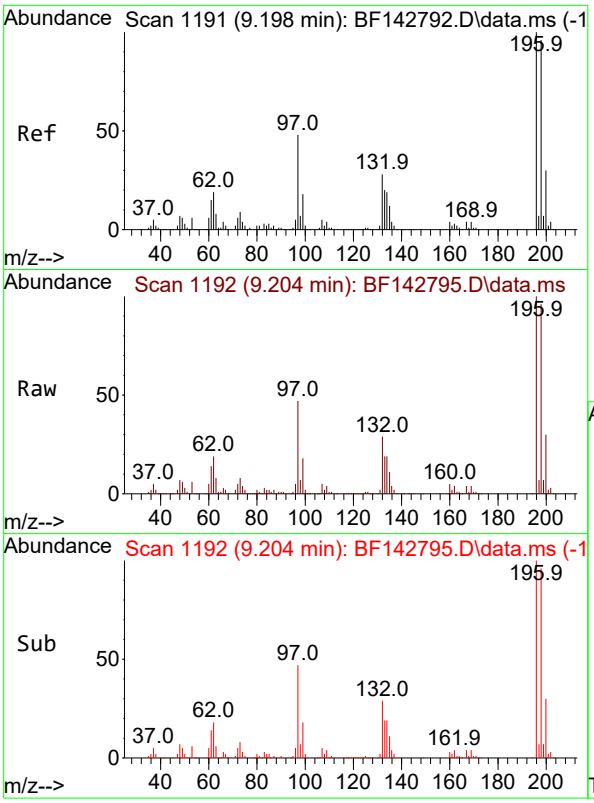


#43
2,4,6-Trichlorophenol
Concen: 79.375 ng
RT: 9.163 min Scan# 1185
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:196 Resp: 207984

Ion	Ratio	Lower	Upper
196	100		
198	97.1	76.2	114.2
200	31.1	24.1	36.1



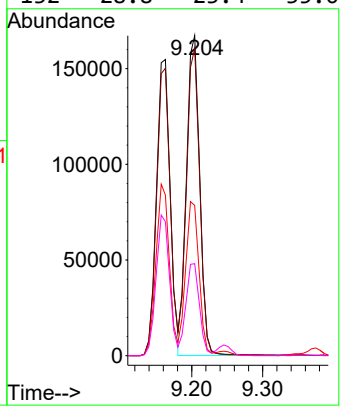


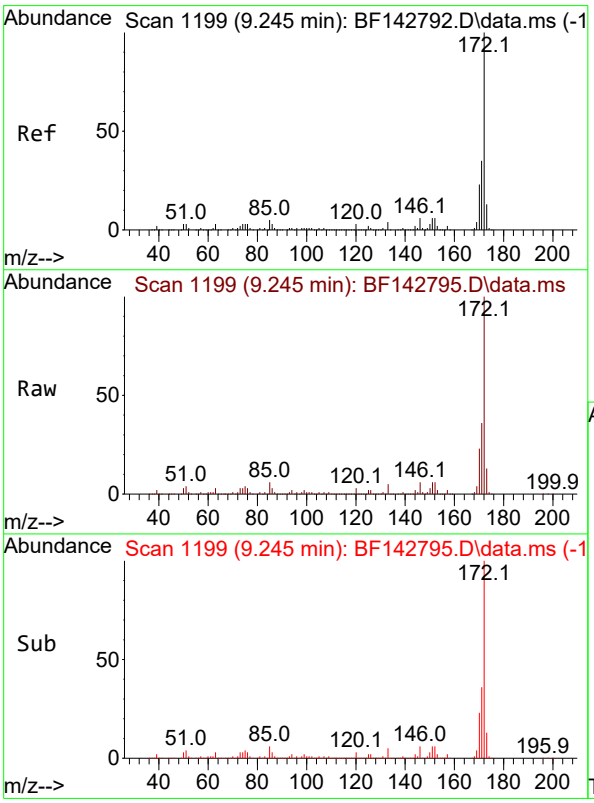
#44
2,4,5-Trichlorophenol
Concen: 76.993 ng
RT: 9.204 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 217860

Ion	Ratio	Lower	Upper
196	100		
198	96.1	76.6	115.0
97	47.0	38.2	57.2
132	28.8	23.4	35.0

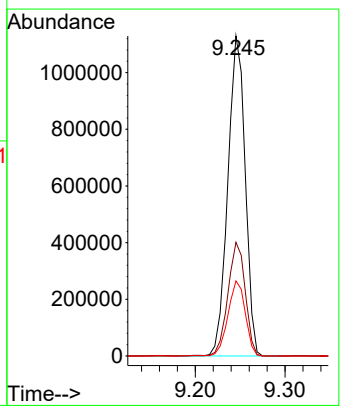


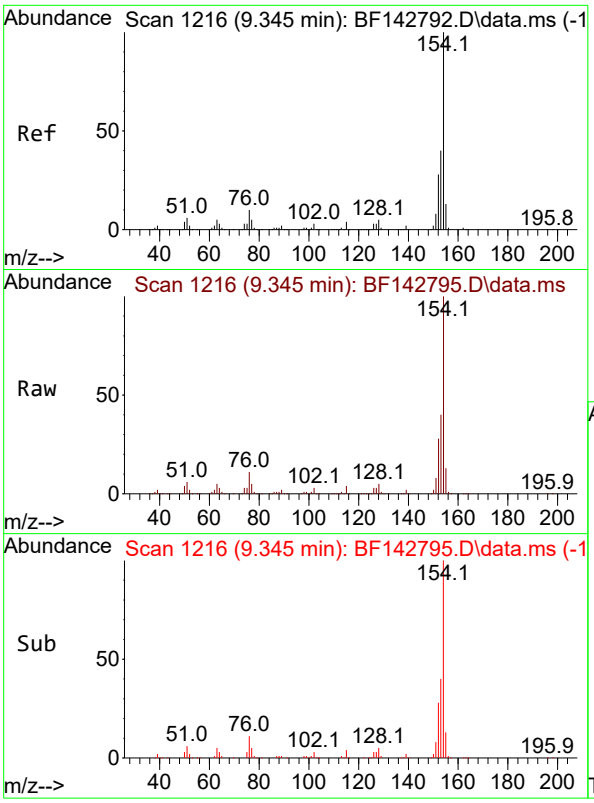


#45
2-Fluorobiphenyl
Concen: 143.770 ng
RT: 9.245 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:172 Resp: 1515847

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.2	42.4
170	23.5	18.5	27.7



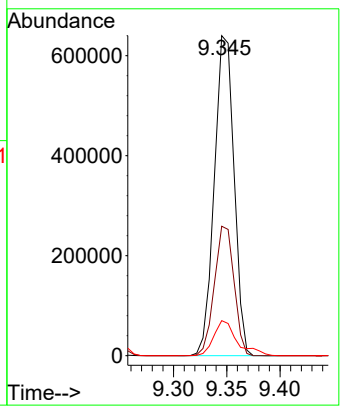


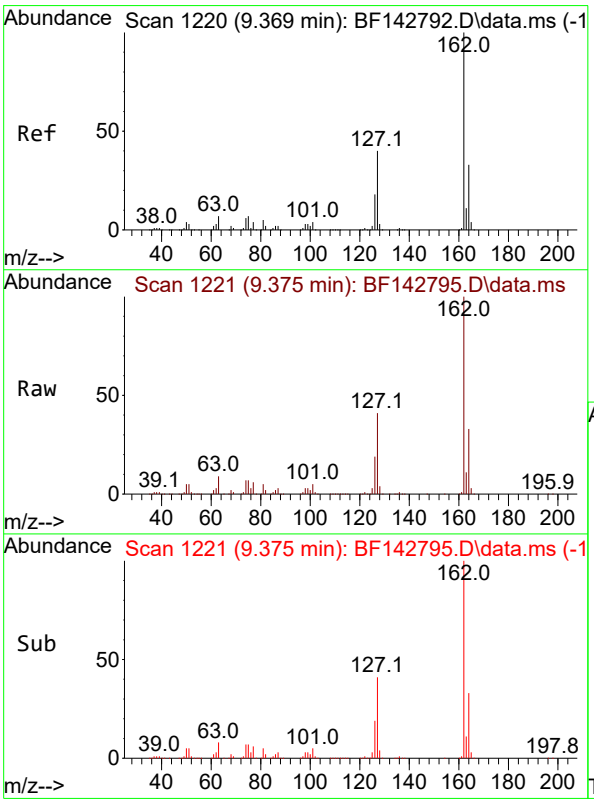
#46
1,1'-Biphenyl
Concen: 75.525 ng
RT: 9.345 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 822529

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.3	60.3
76	10.9	0.0	30.3

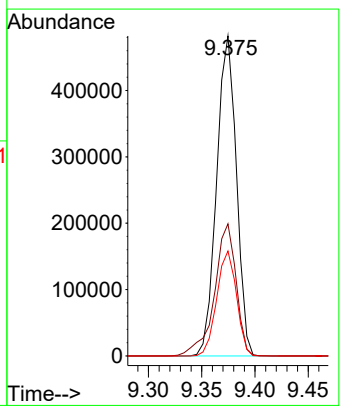


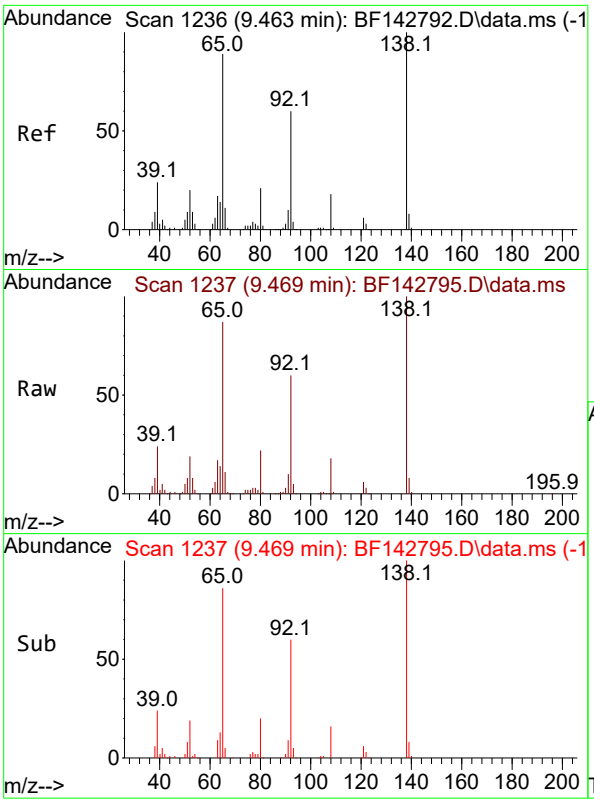


#47
2-Chloronaphthalene
Concen: 77.199 ng
RT: 9.375 min Scan# 1221
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:162 Resp: 620399

Ion	Ratio	Lower	Upper
162	100		
127	41.3	32.2	48.2
164	32.8	26.1	39.1



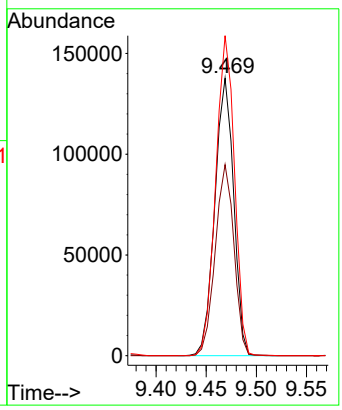


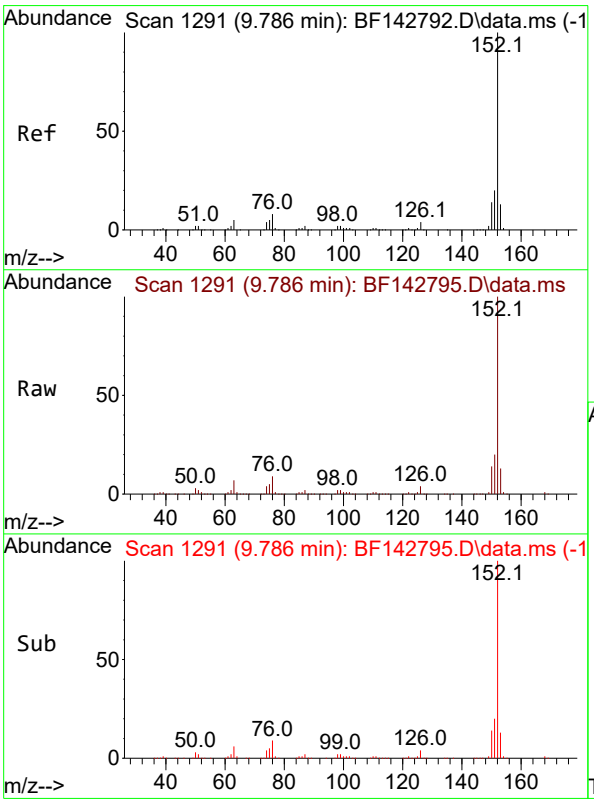
#48
2-Nitroaniline
Concen: 78.716 ng
RT: 9.469 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 65 Resp: 179718

Ion	Ratio	Lower	Upper
65	100		
92	68.8	53.8	80.6
138	115.3	89.6	134.4

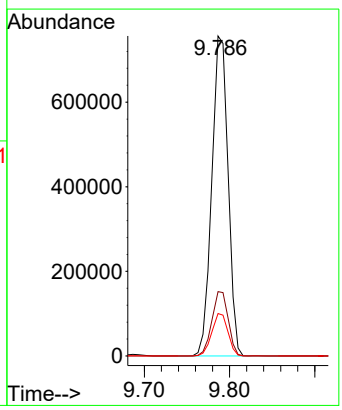


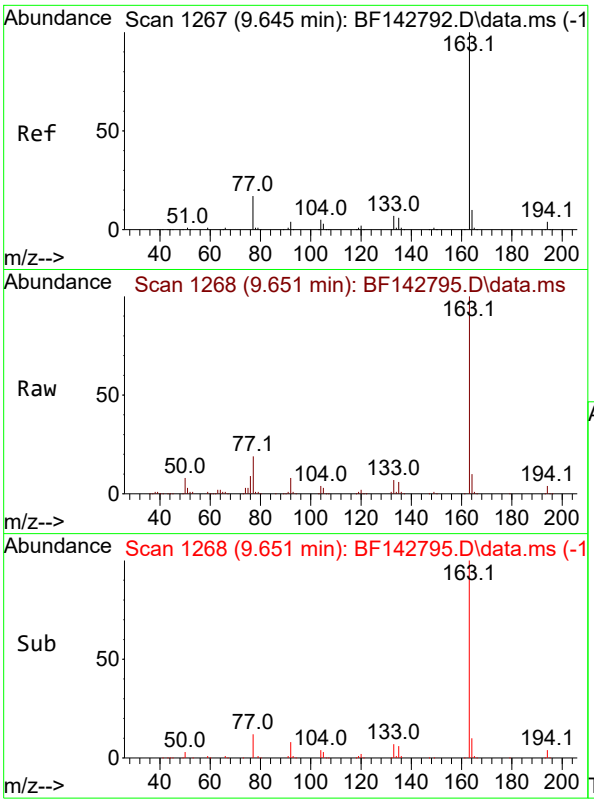


#49
Acenaphthylene
Concen: 74.207 ng
RT: 9.786 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:152 Resp: 1002569

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.1	24.1
153	13.2	10.4	15.6



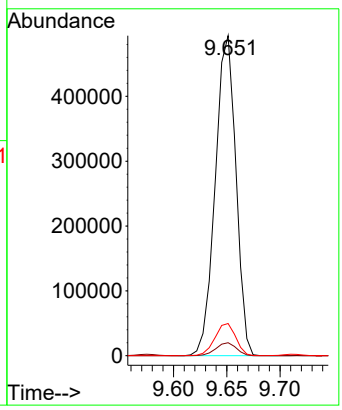


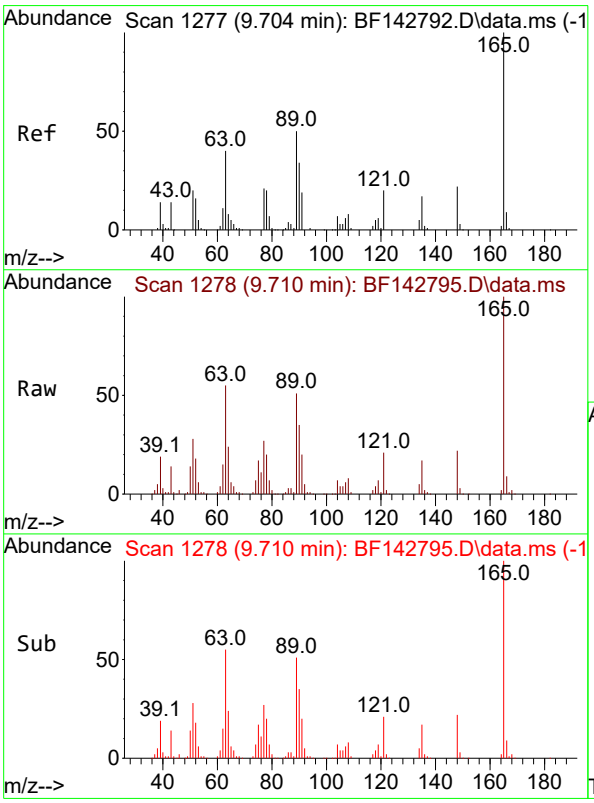
#50
Dimethylphthalate
Concen: 71.510 ng
RT: 9.651 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:163 Resp: 665322

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.1	8.0	12.0

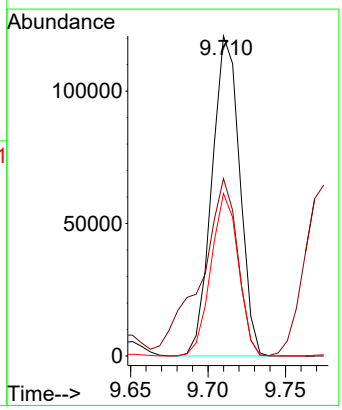


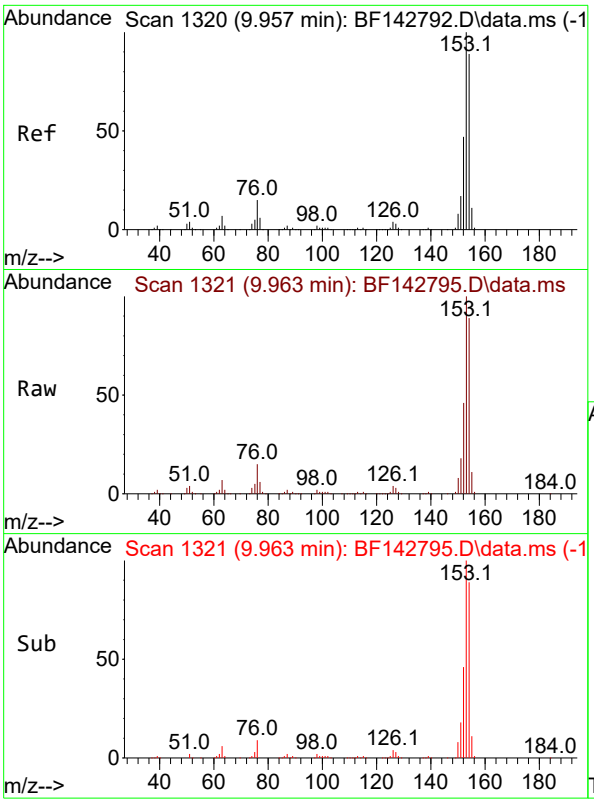


#51
2,6-Dinitrotoluene
Concen: 74.654 ng
RT: 9.710 min Scan# 1278
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:165 Resp: 150567

Ion	Ratio	Lower	Upper
165	100		
63	55.4	44.2	66.4
89	50.8	39.8	59.8



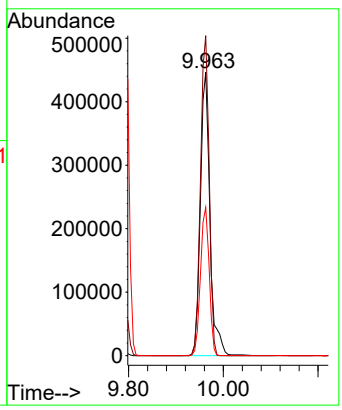


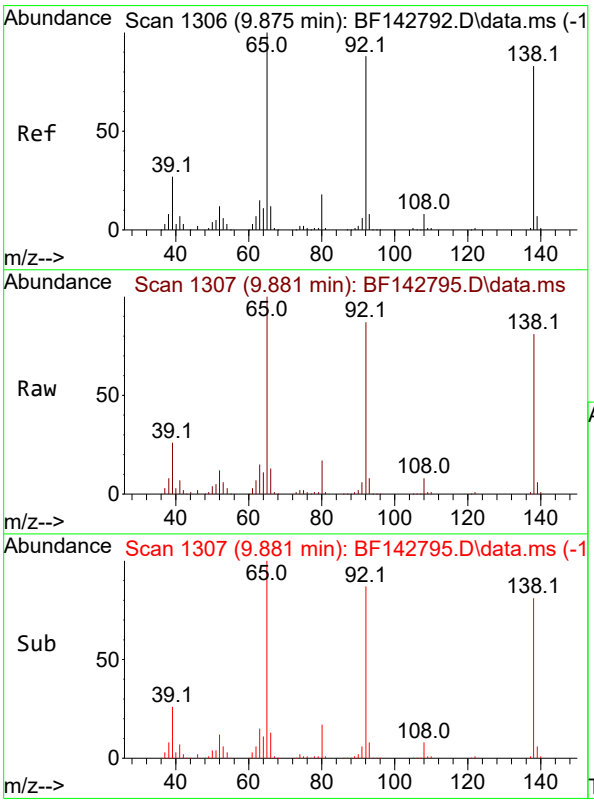
#52
Acenaphthene
Concen: 74.322 ng
RT: 9.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 621336

Ion	Ratio	Lower	Upper
154	100		
153	112.9	90.0	135.0
152	52.3	41.9	62.9

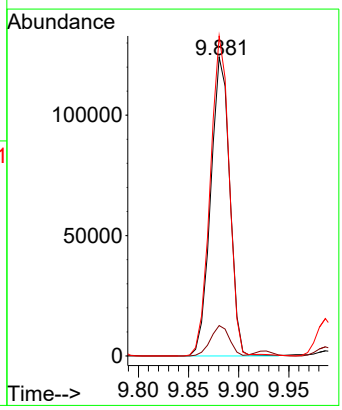


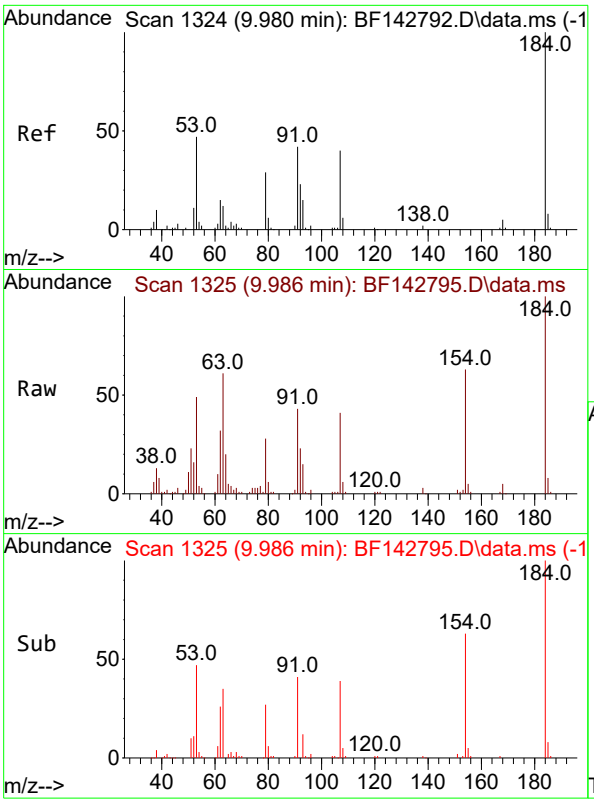


#53
3-Nitroaniline
Concen: 74.903 ng
RT: 9.881 min Scan# 1307
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:138 Resp: 164090

Ion	Ratio	Lower	Upper
138	100		
108	10.2	8.1	12.1
92	107.1	85.1	127.7



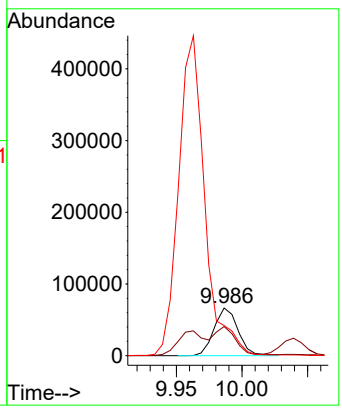


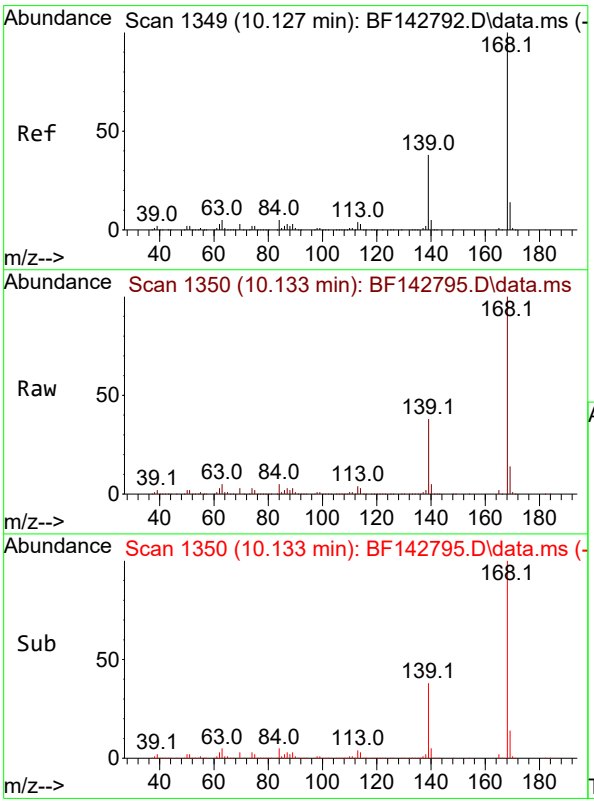
#54
2,4-Dinitrophenol
Concen: 78.050 ng
RT: 9.986 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 85185

Ion	Ratio	Lower	Upper
184	100		
63	61.0	50.6	75.8
154	63.1	51.8	77.8

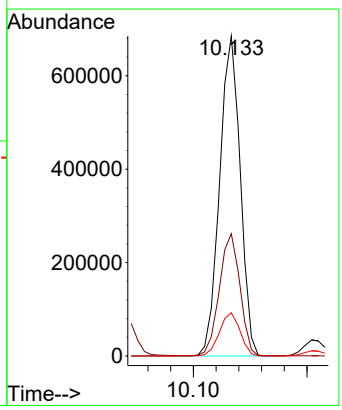


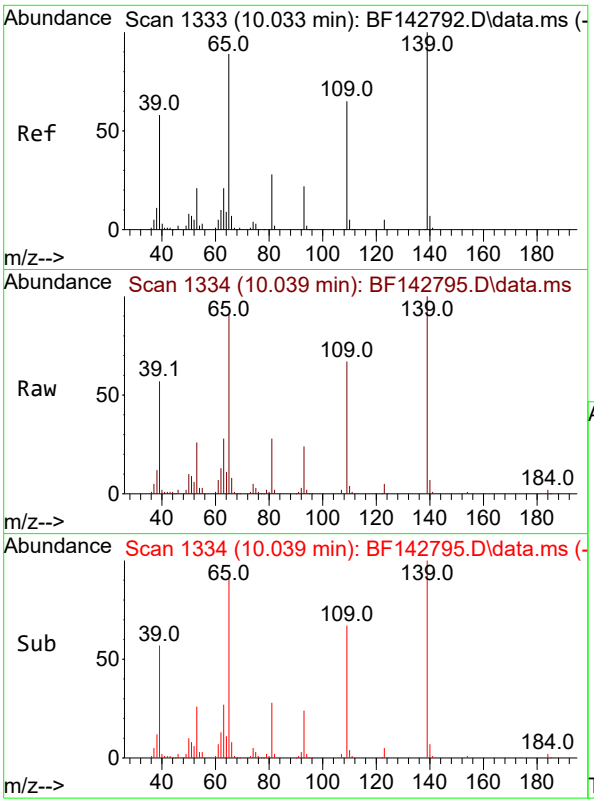


#55
Dibenzofuran
Concen: 72.277 ng
RT: 10.133 min Scan# 1350
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:168 Resp: 862110

Ion	Ratio	Lower	Upper
168	100		
139	38.2	30.2	45.4
169	13.5	10.8	16.2



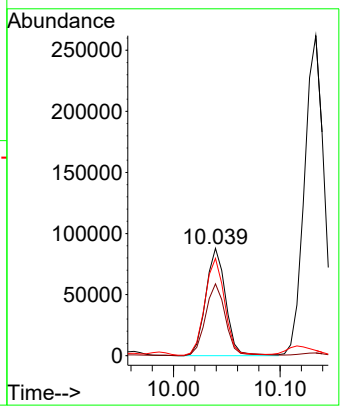


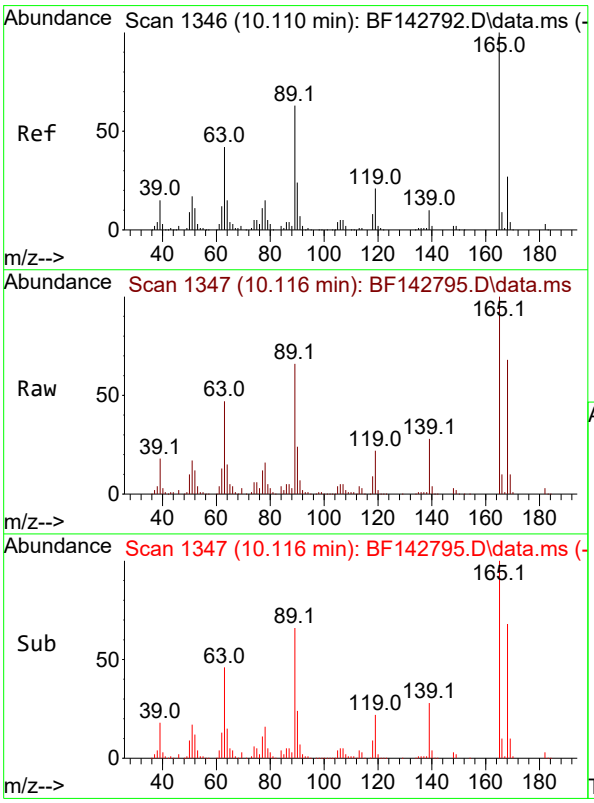
#56
4-Nitrophenol
Concen: 76.771 ng
RT: 10.039 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:139 Resp: 114163

Ion	Ratio	Lower	Upper
139	100		
109	67.0	44.7	84.7
65	90.7	69.8	109.8

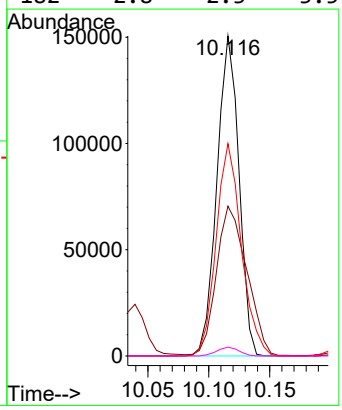


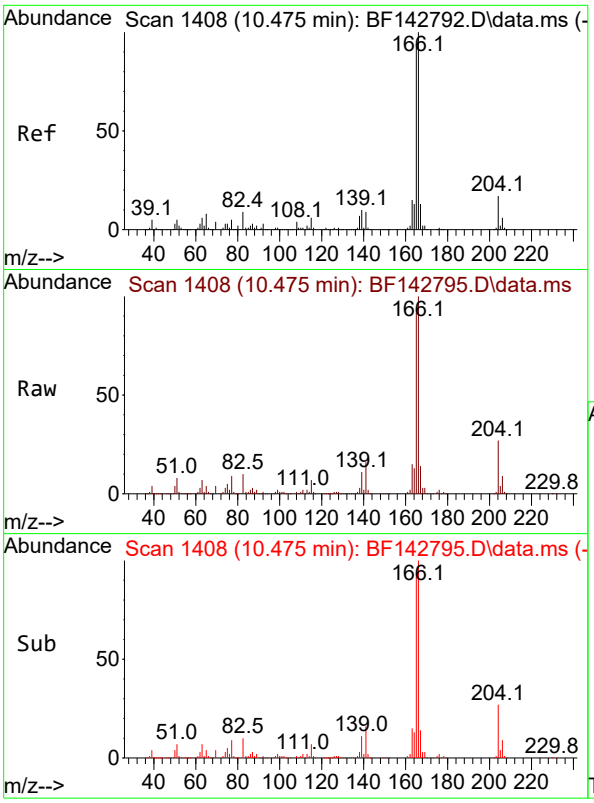


#57
2,4-Dinitrotoluene
Concen: 71.128 ng
RT: 10.116 min Scan# 1347
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:165 Resp: 189684

Ion	Ratio	Lower	Upper
165	100		
63	46.8	33.9	50.9
89	66.3	50.6	75.8
182	2.8	2.3	3.5



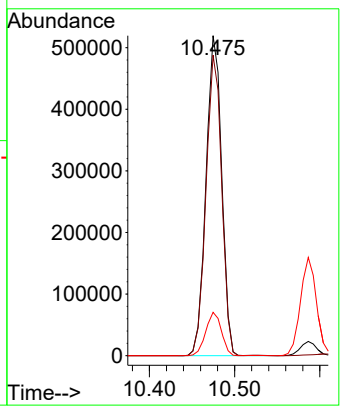


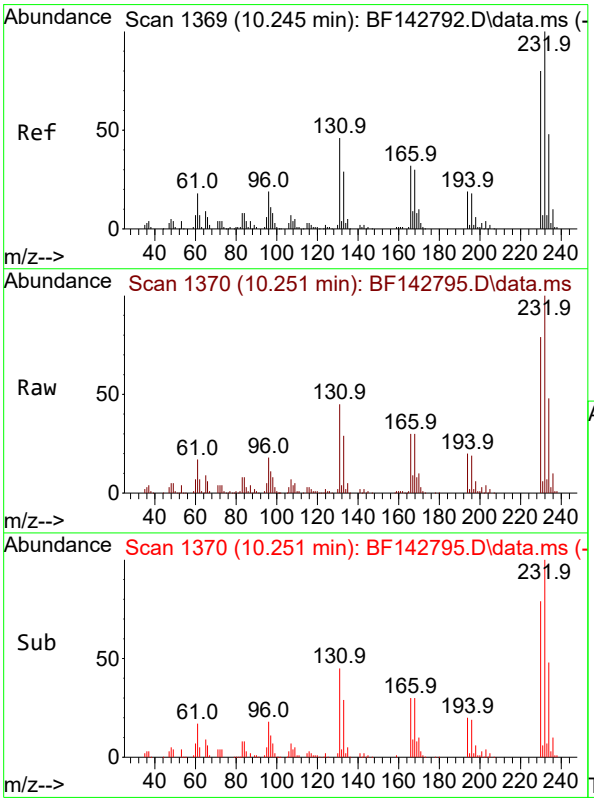
#58
Fluorene
Concen: 70.475 ng
RT: 10.475 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:166 Resp: 663463

Ion	Ratio	Lower	Upper
166	100		
165	93.9	75.2	112.8
167	13.5	10.6	15.8

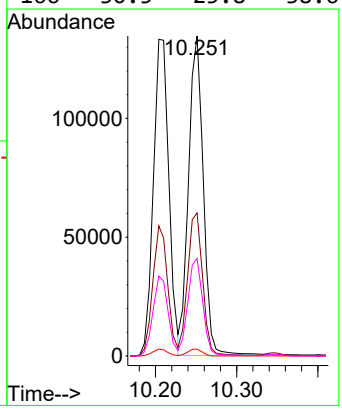


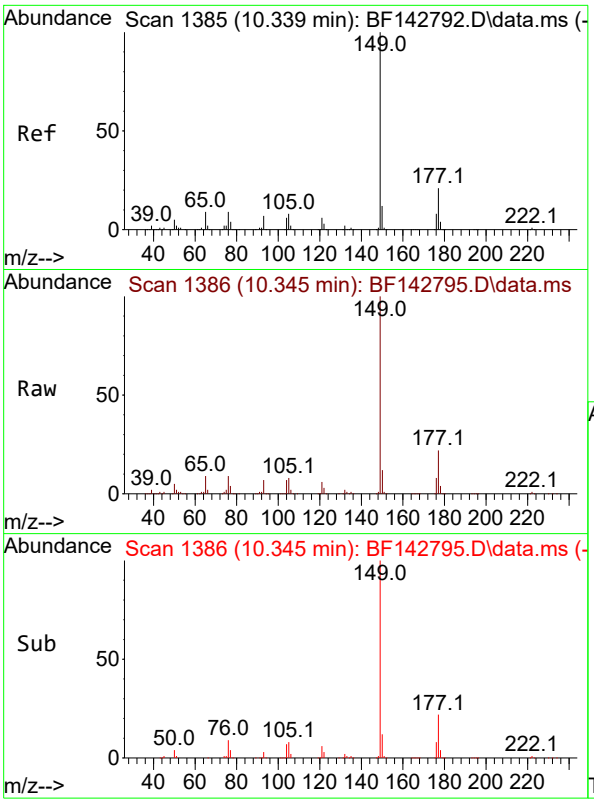


#59
2,3,4,6-Tetrachlorophenol
Concen: 71.850 ng
RT: 10.251 min Scan# 1370
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:232 Resp: 170453

Ion	Ratio	Lower	Upper
232	100		
131	45.0	37.6	56.4
130	2.1	1.7	2.5
166	30.5	25.8	38.6



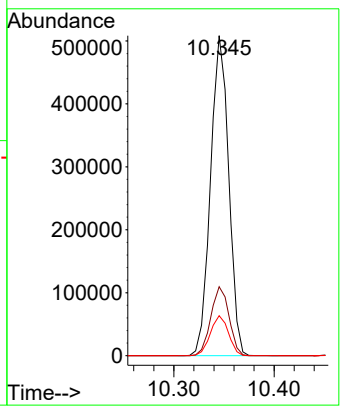


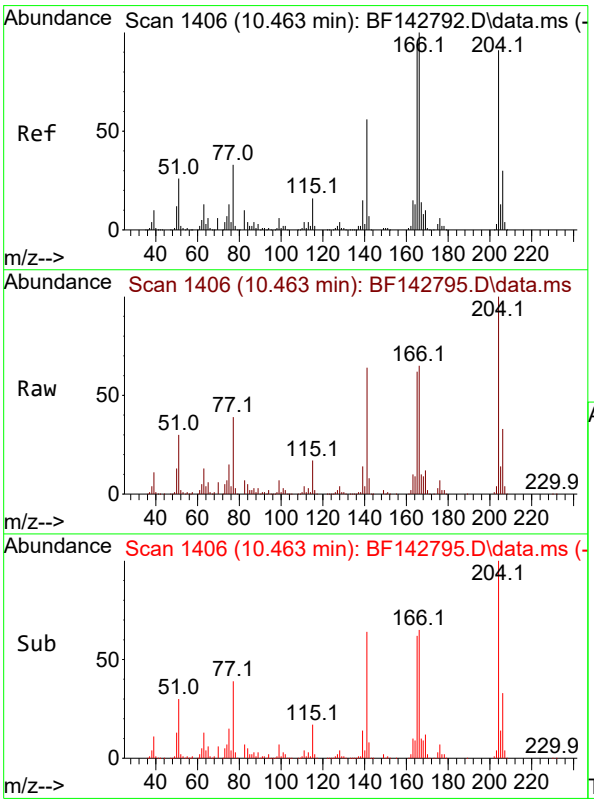
#60
Diethylphthalate
Concen: 69.265 ng
RT: 10.345 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 640148

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.0	25.6
150	12.5	9.8	14.6

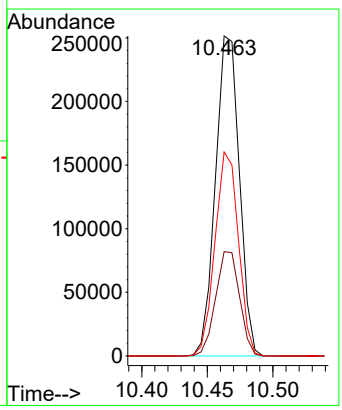


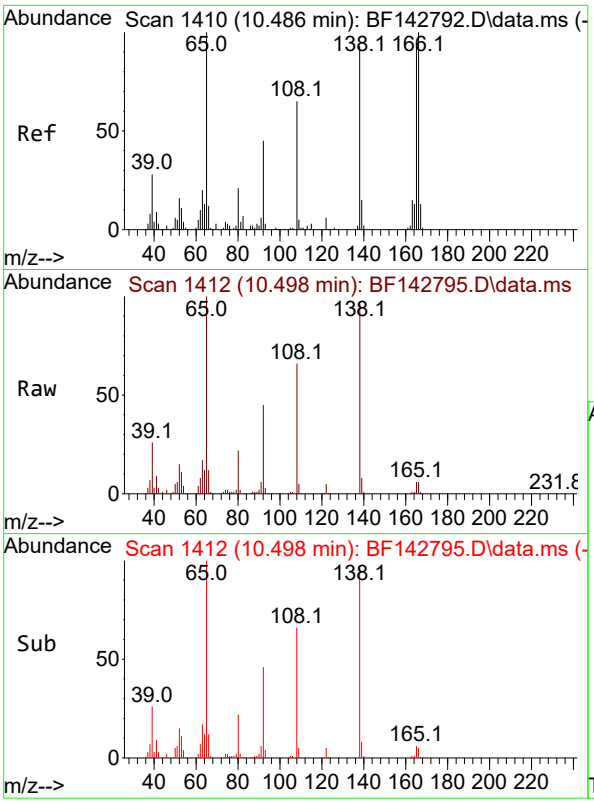


#61
4-Chlorophenyl-phenylether
Concen: 69.722 ng
RT: 10.463 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:204 Resp: 318782

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.3	39.5
141	63.8	49.1	73.7



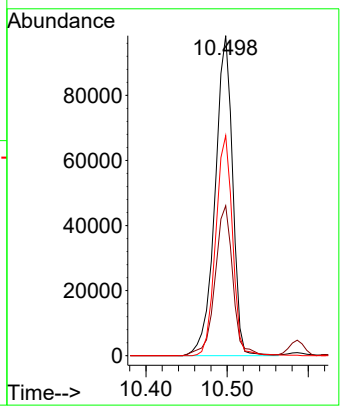


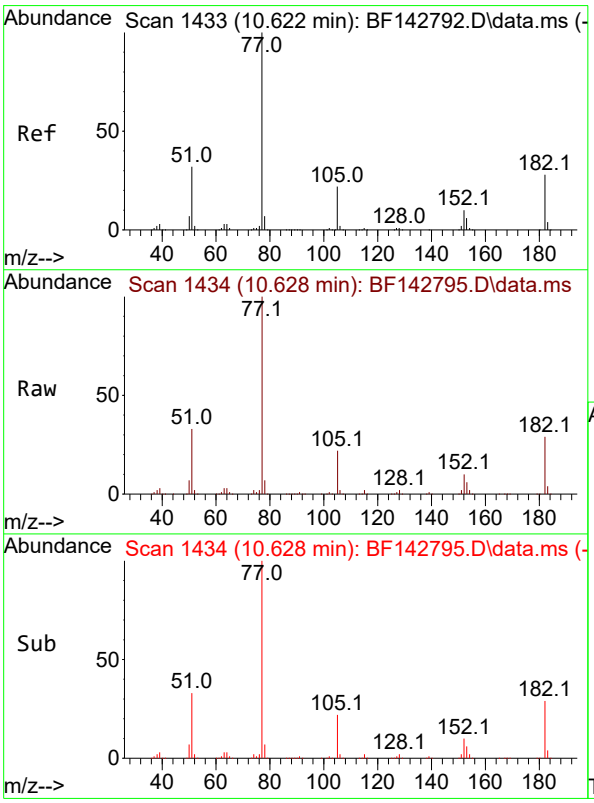
#62
4-Nitroaniline
Concen: 75.193 ng
RT: 10.498 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 147879

Ion	Ratio	Lower	Upper
138	100		
92	46.8	28.4	68.4
108	68.8	50.2	90.2

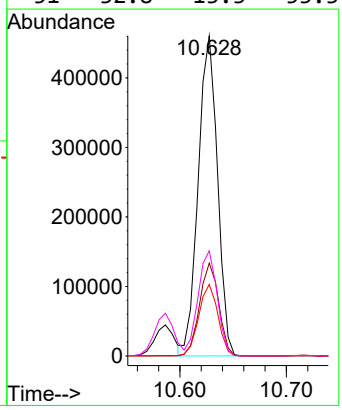


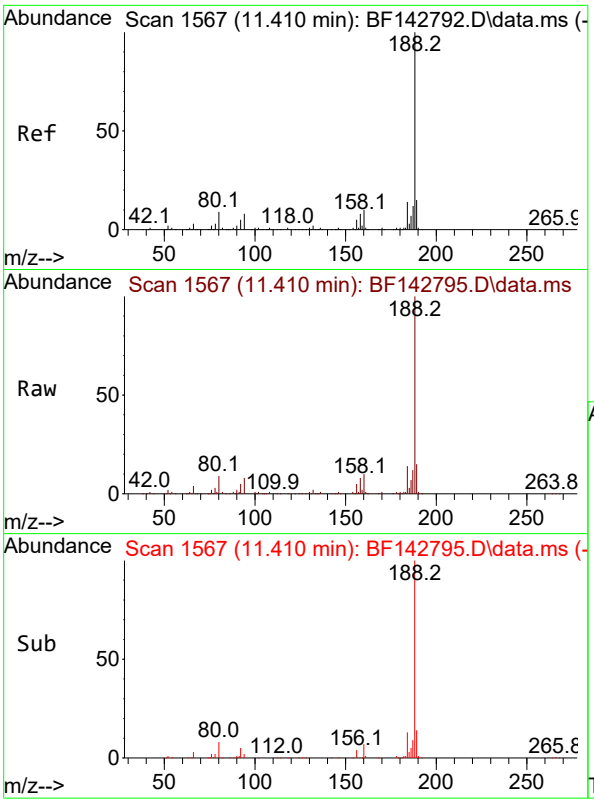


#63
Azobenzene
Concen: 71.659 ng
RT: 10.628 min Scan# 1434
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 77 Resp: 578765

Ion	Ratio	Lower	Upper
77	100		
182	29.0	7.7	47.7
105	22.4	1.9	41.9
51	32.8	13.3	53.3



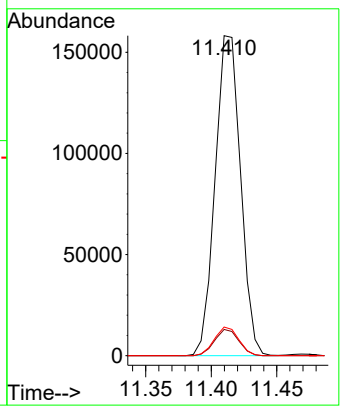


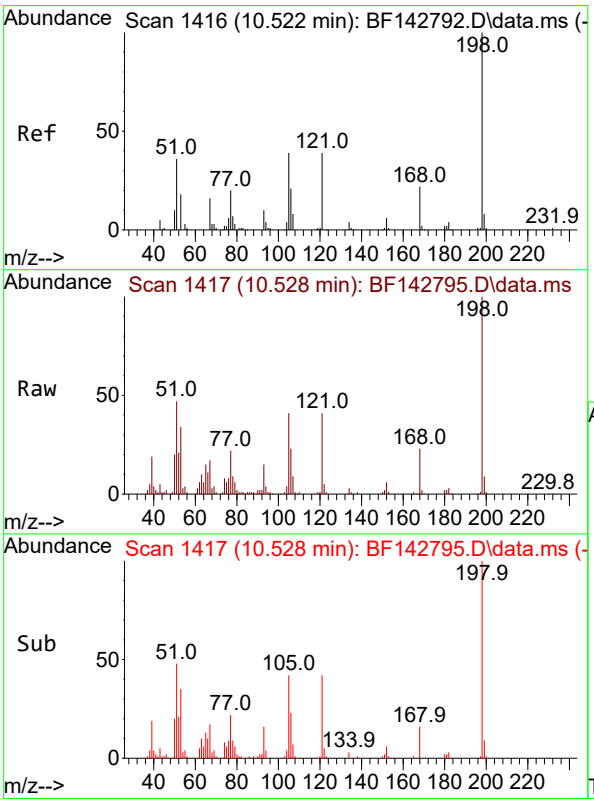
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:188 Resp: 213216

Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.7	10.1
80	9.0	6.9	10.3

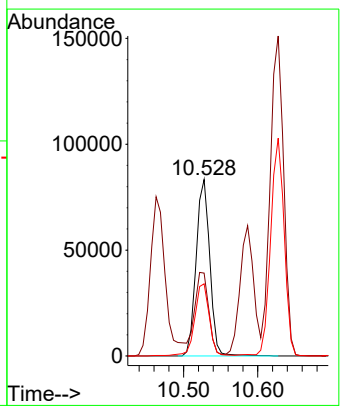


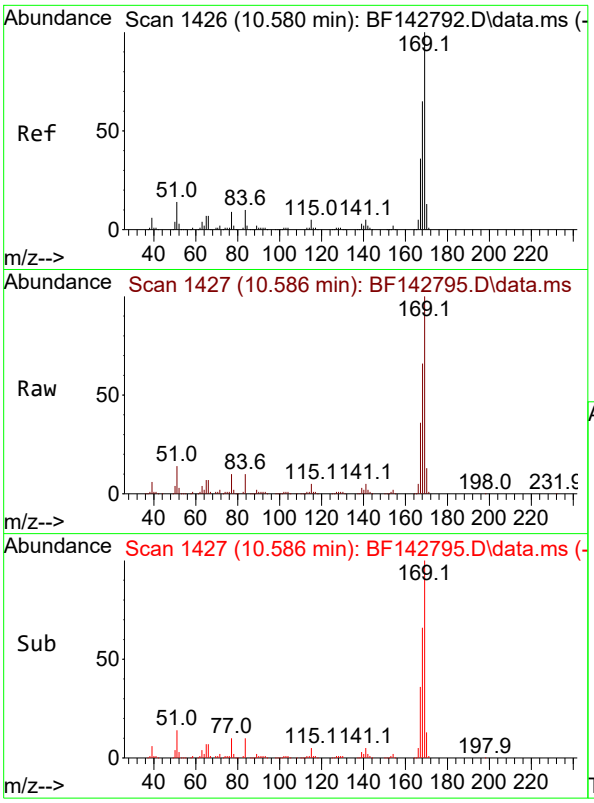


#65
4,6-Dinitro-2-methylphenol
Concen: 80.401 ng
RT: 10.528 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:198 Resp: 106528

Ion	Ratio	Lower	Upper
198	100		
51	47.0	25.4	65.4
105	40.9	20.4	60.4



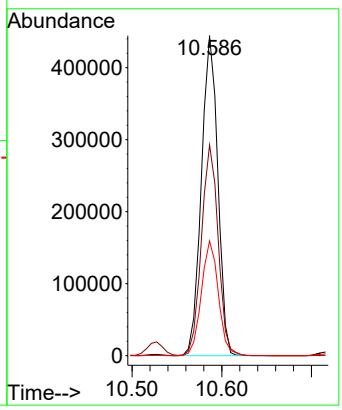


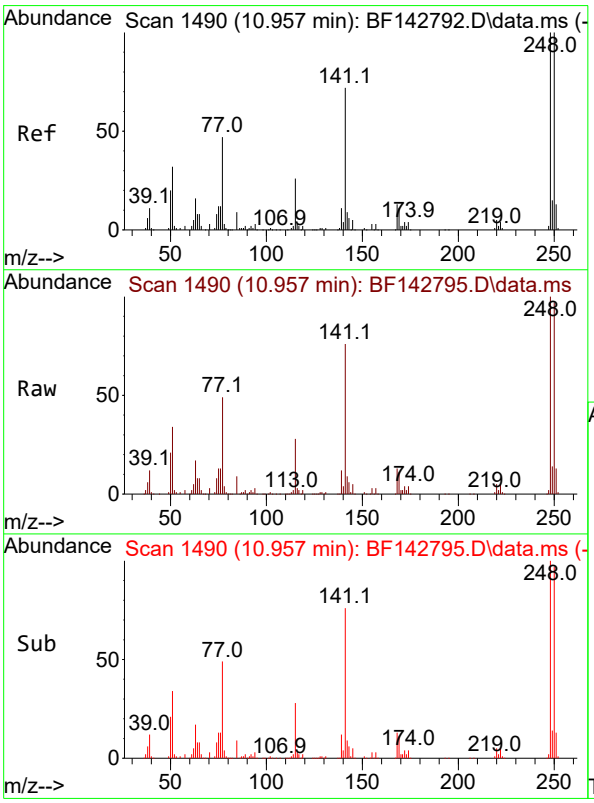
#66
n-Nitrosodiphenylamine
Concen: 77.075 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:169 Resp: 564677

Ion	Ratio	Lower	Upper
169	100		
168	65.9	51.9	77.9
167	35.9	28.5	42.7

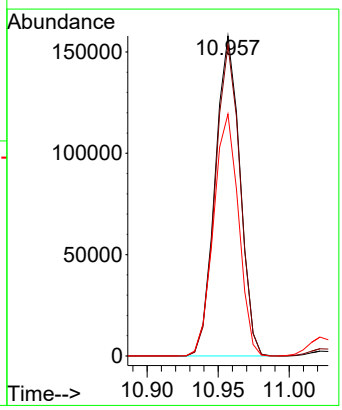


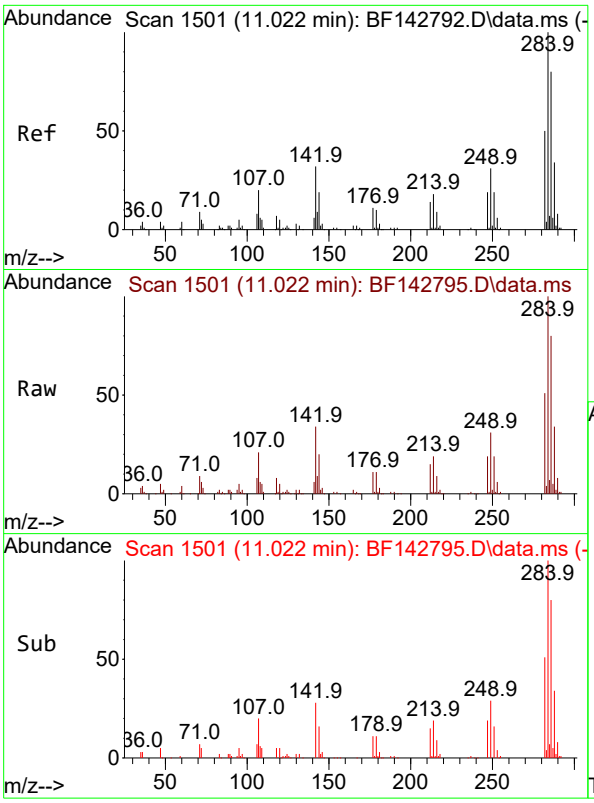


#67
4-Bromophenyl-phenylether
Concen: 76.768 ng
RT: 10.957 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:248 Resp: 191698

Ion	Ratio	Lower	Upper
248	100		
250	97.2	79.8	119.8
141	75.6	57.8	86.6



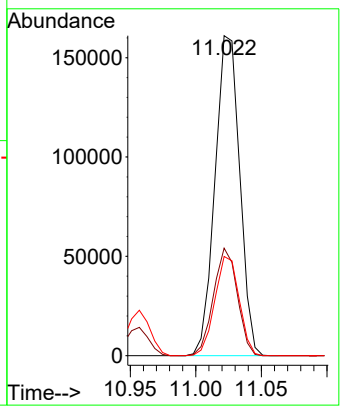


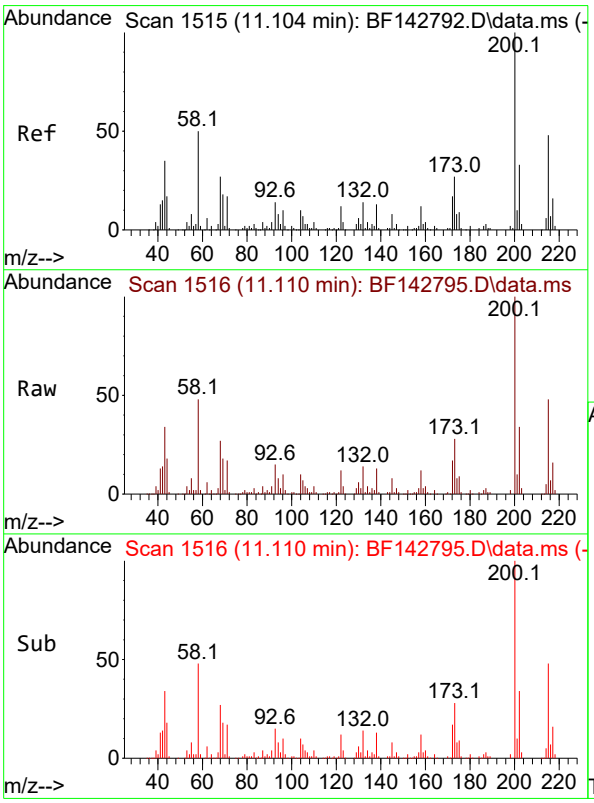
#68
Hexachlorobenzene
Concen: 76.086 ng
RT: 11.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:284 Resp: 210925

Ion	Ratio	Lower	Upper
284	100		
142	33.6	25.5	38.3
249	31.0	24.9	37.3

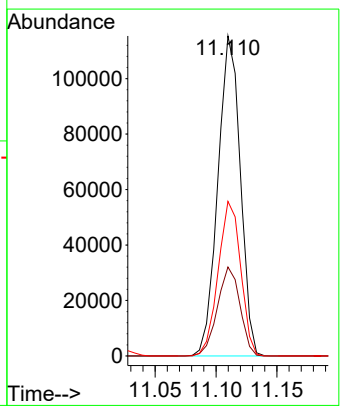


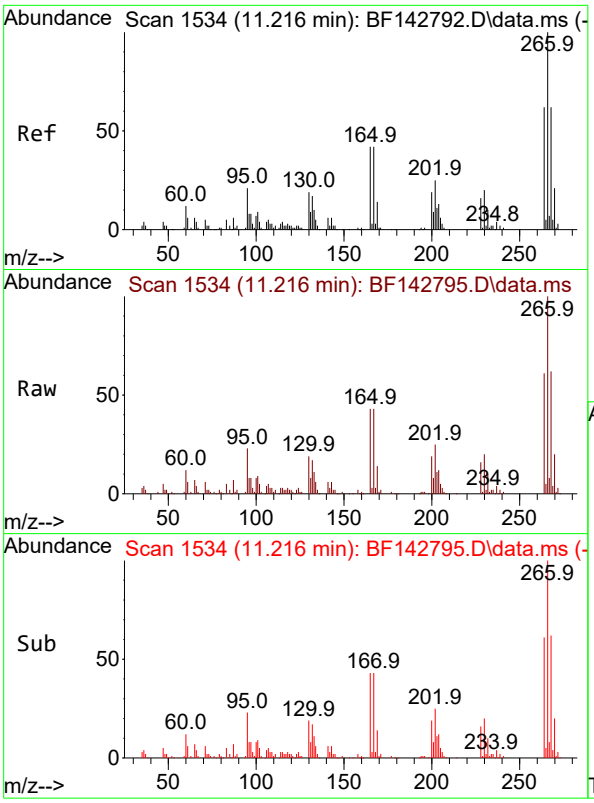


#69
Atrazine
Concen: 76.143 ng
RT: 11.110 min Scan# 1516
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:200 Resp: 148117

Ion	Ratio	Lower	Upper
200	100		
173	27.8	7.4	47.4
215	48.3	28.4	68.4



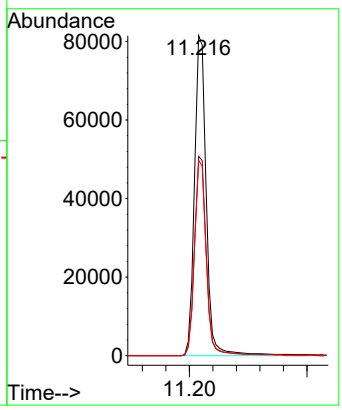


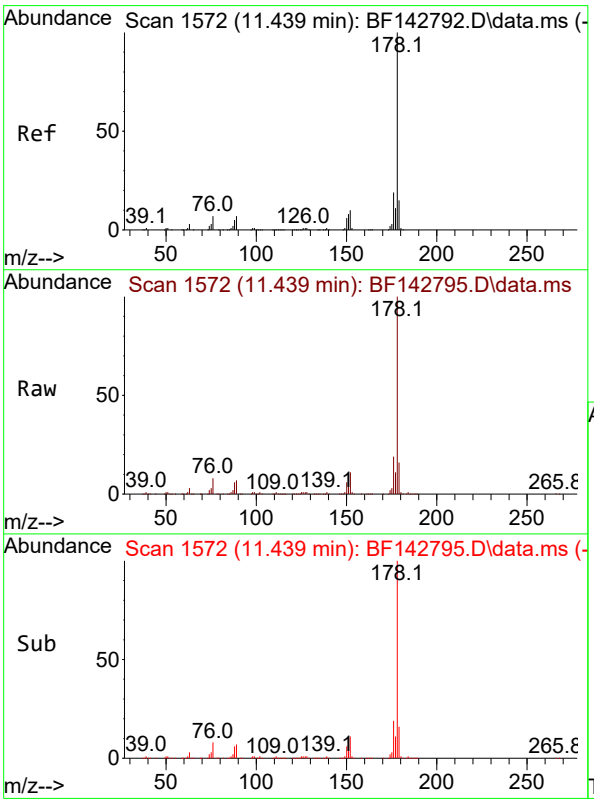
#70
Pentachlorophenol
Concen: 78.555 ng
RT: 11.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:266 Resp: 113104

Ion	Ratio	Lower	Upper
266	100		
268	62.2	49.8	74.8
264	61.0	49.9	74.9

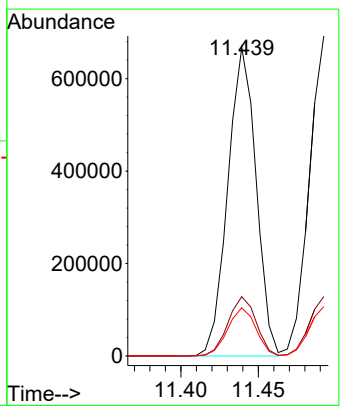


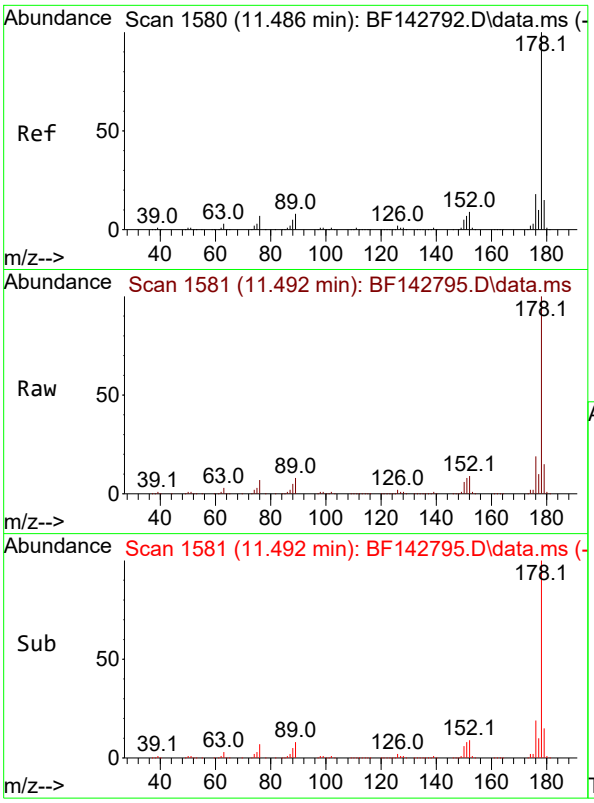


#71
Phenanthrene
Concen: 74.102 ng
RT: 11.439 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:178 Resp: 845899

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	15.6	12.0	18.0



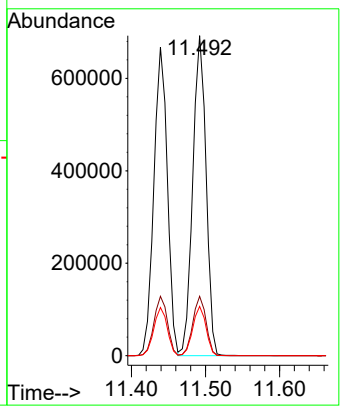


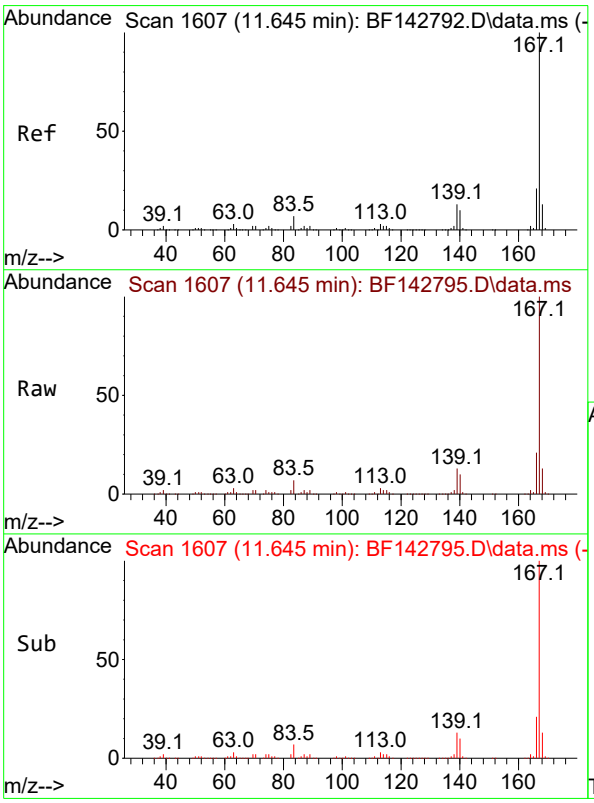
#72
Anthracene
Concen: 73.008 ng
RT: 11.492 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 862662

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	21.8
179	15.4	12.4	18.6

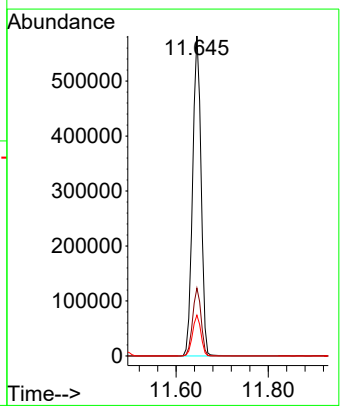


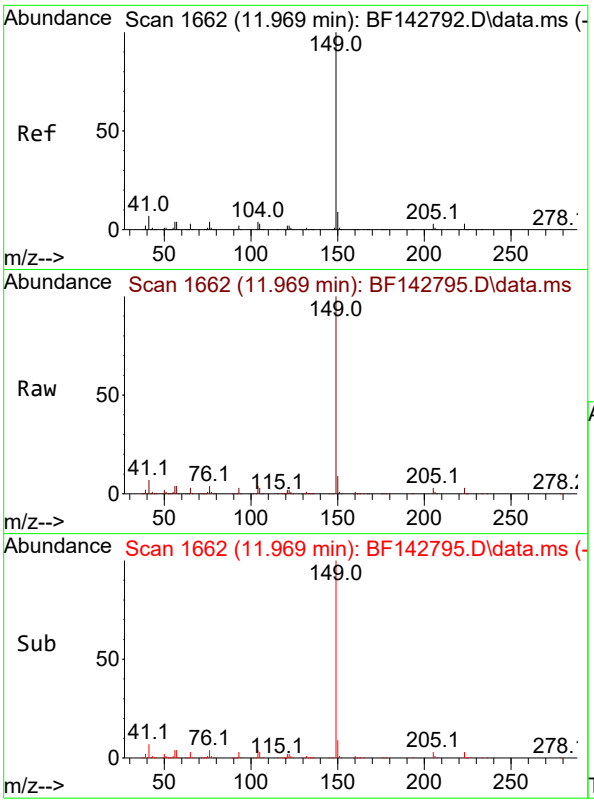


#73
Carbazole
Concen: 74.602 ng
RT: 11.645 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:167 Resp: 738174

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.4
139	12.7	10.2	15.2



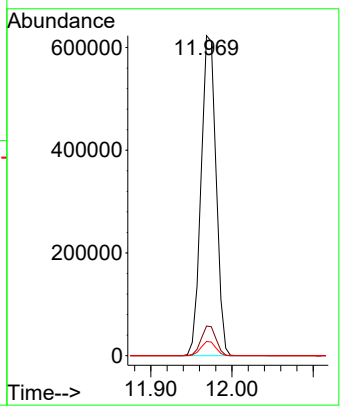


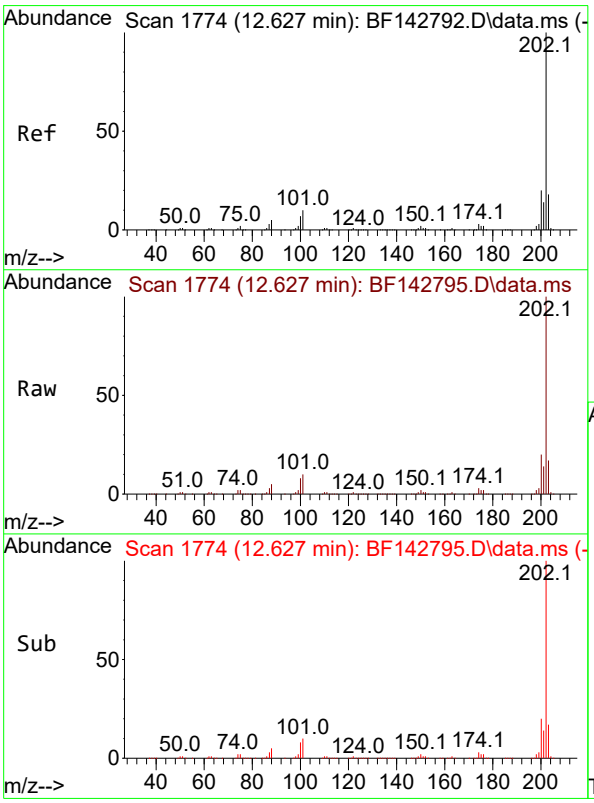
#74
Di-n-butylphthalate
Concen: 72.884 ng
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 798500

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	4.5	3.5	5.3

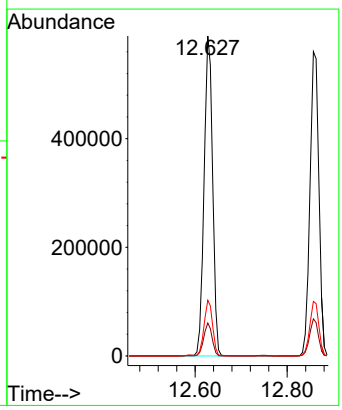


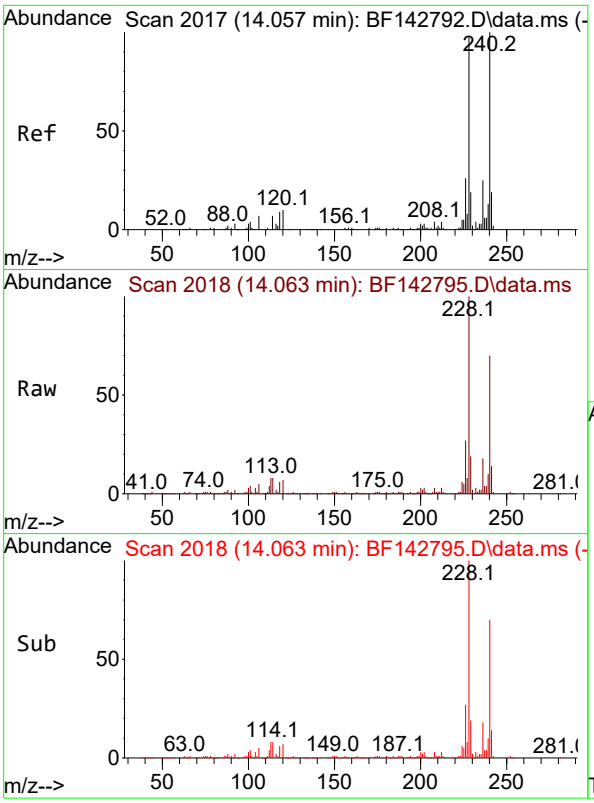


#75
Fluoranthene
Concen: 70.711 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:202 Resp: 766933

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	29.7
203	17.4	0.0	37.5



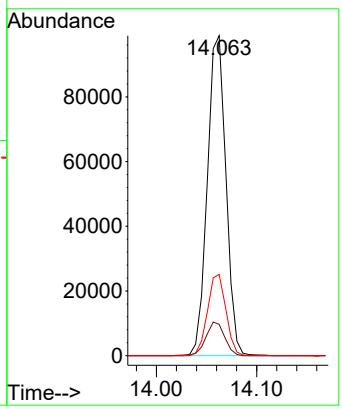


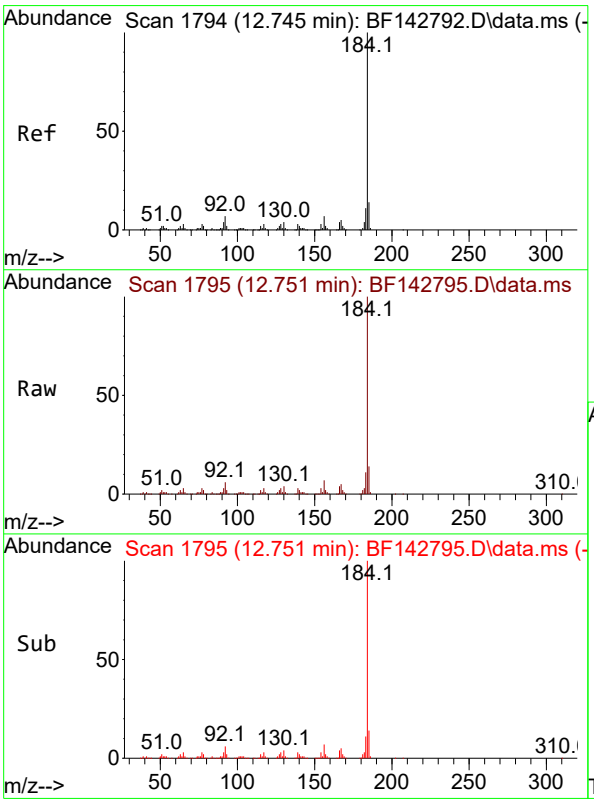
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:240 Resp: 127713

Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.2	12.2
236	25.4	19.8	29.8

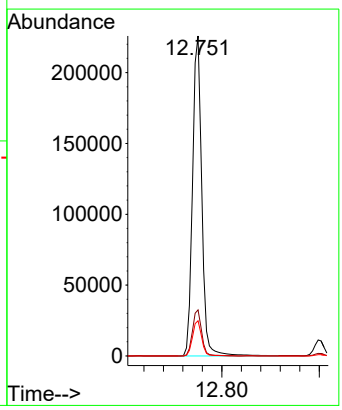


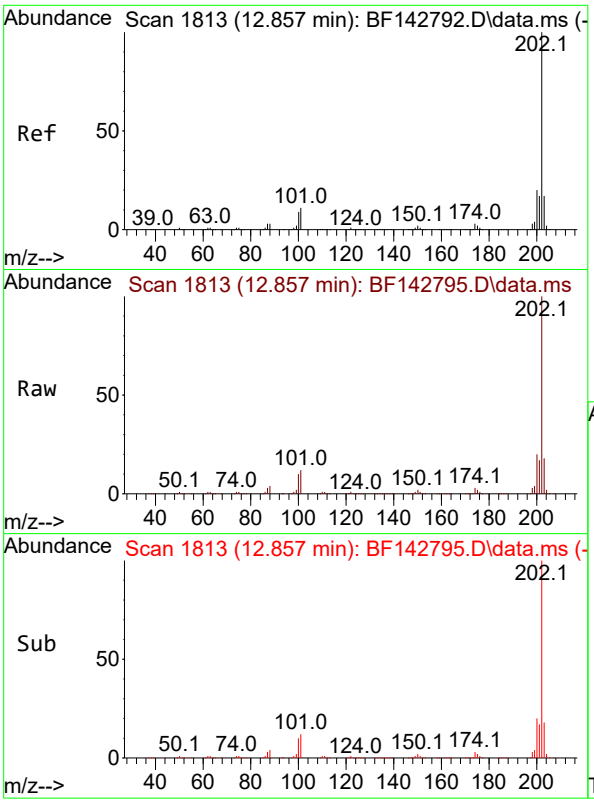


#77
Benzidine
Concen: 66.350 ng
RT: 12.751 min Scan# 1795
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:184 Resp: 299985

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	11.0	9.0	13.4



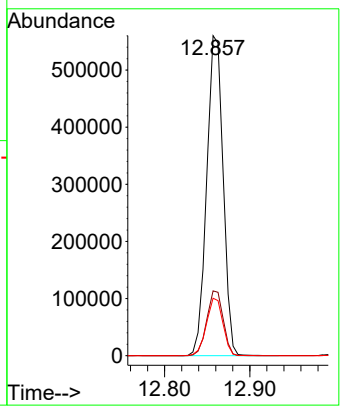


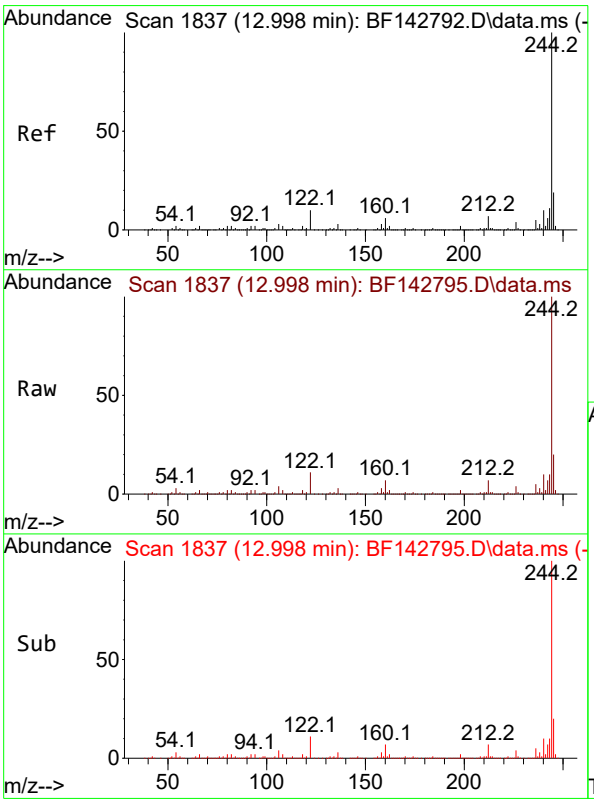
#78
Pyrene
Concen: 63.894 ng
RT: 12.857 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 750100

Ion	Ratio	Lower	Upper
202	100		
200	20.2	15.7	23.5
203	17.9	13.8	20.6

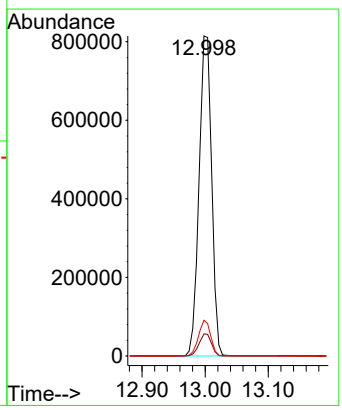


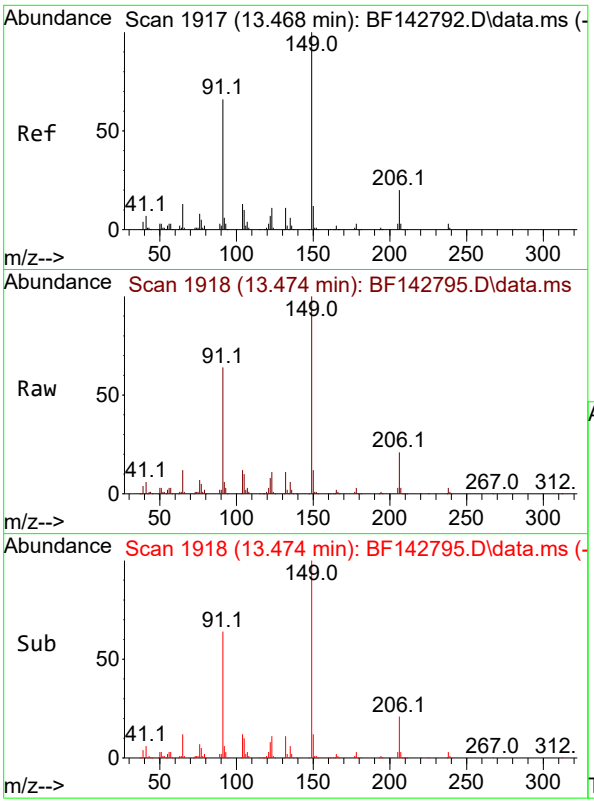


#79
Terphenyl-d14
Concen: 122.904 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:244 Resp: 1127781

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.1	8.2	12.2



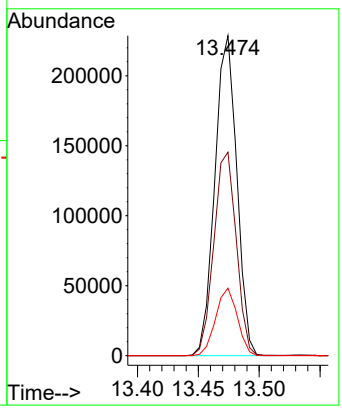


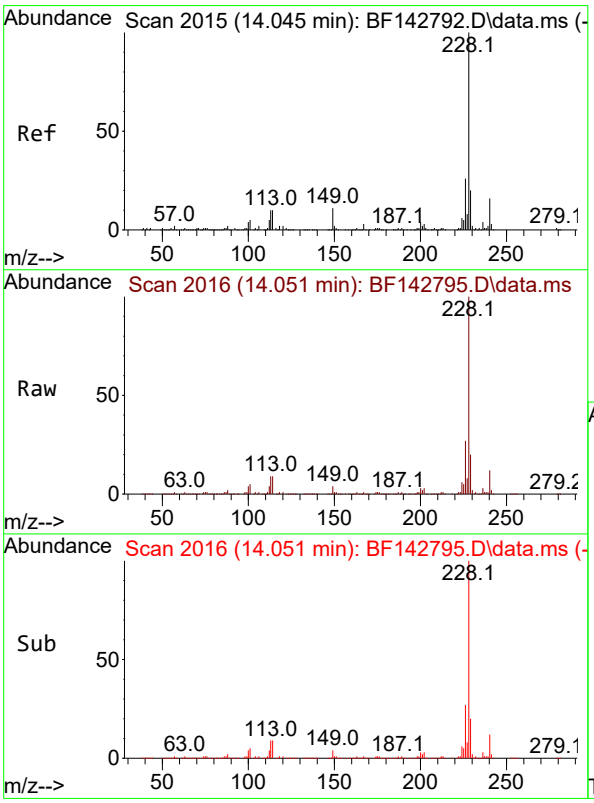
#80
Butylbenzylphthalate
Concen: 82.658 ng
RT: 13.474 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 287568

Ion	Ratio	Lower	Upper
149	100		
91	63.6	52.9	79.3
206	21.1	16.3	24.5

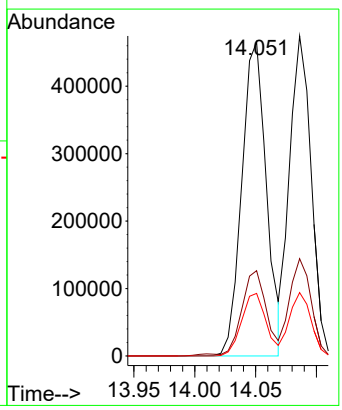


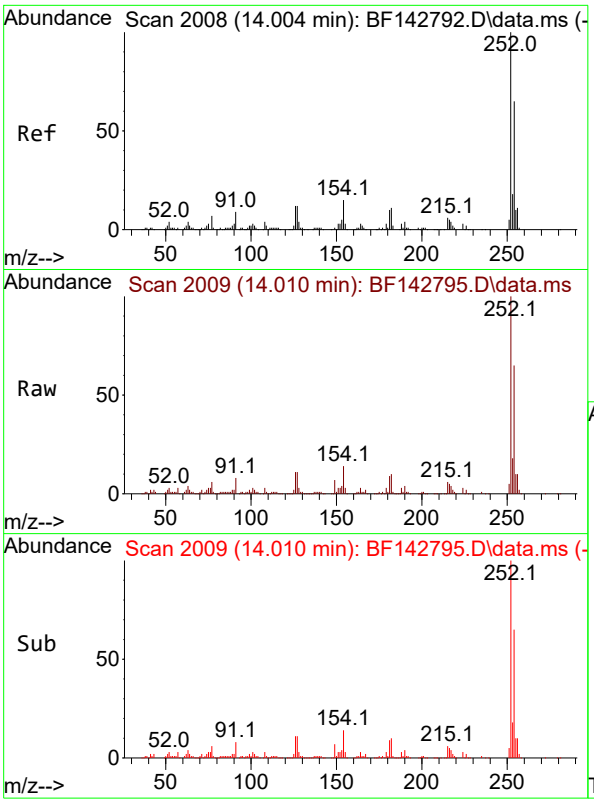


#81
Benzo(a)anthracene
Concen: 78.202 ng
RT: 14.051 min Scan# 2016
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:228 Resp: 655753

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.2	31.8
229	19.9	15.6	23.4



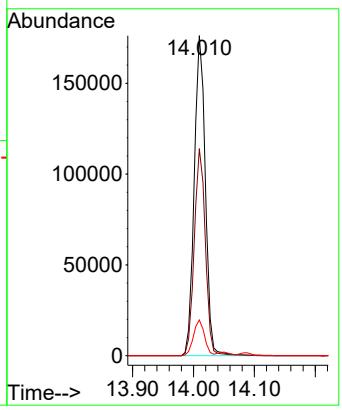


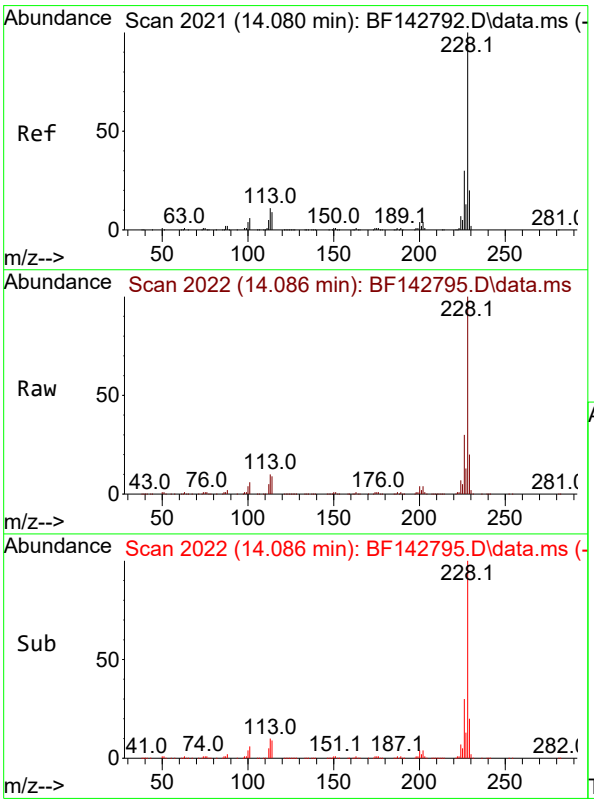
#82
3,3'-Dichlorobenzidine
Concen: 82.340 ng
RT: 14.010 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 223571

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.7	77.5
126	11.1	9.4	14.2

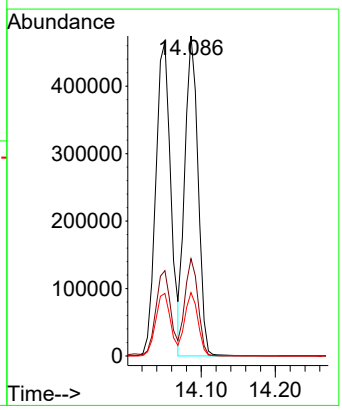


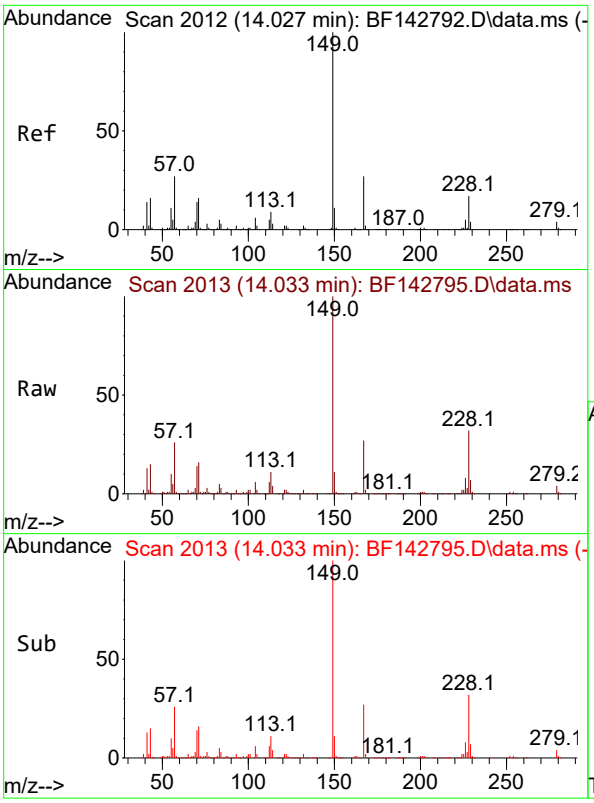


#83
Chrysene
Concen: 75.278 ng
RT: 14.086 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:228 Resp: 587658

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.7	35.5
229	19.8	15.7	23.5



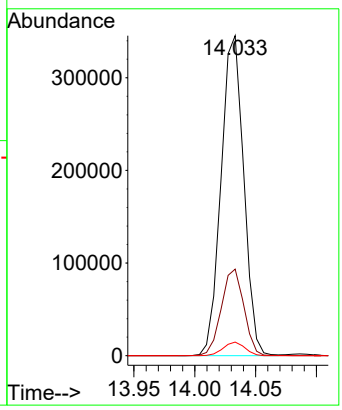


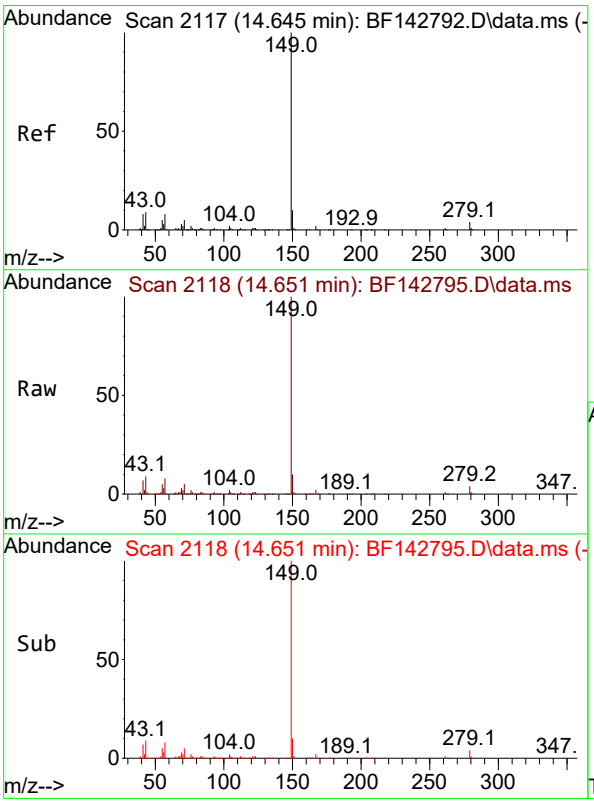
#84
Bis(2-ethylhexyl)phthalate
Concen: 86.499 ng
RT: 14.033 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 448387

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.4	32.0
279	4.3	3.0	4.6

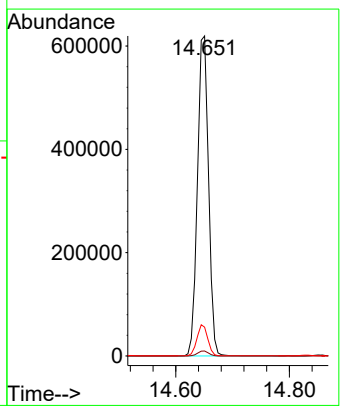


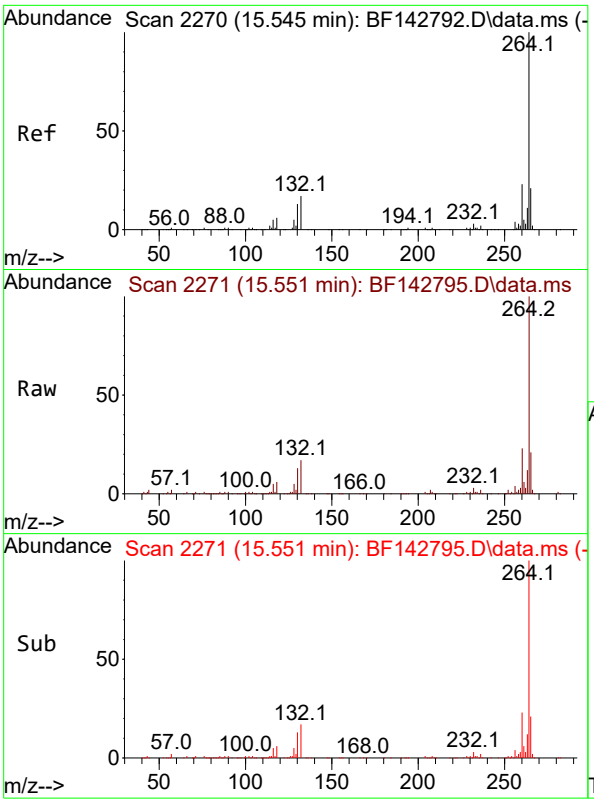


#85
Di-n-octyl phthalate
Concen: 85.366 ng
RT: 14.651 min Scan# 2118
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:149 Resp: 843227

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.5	7.6	11.4



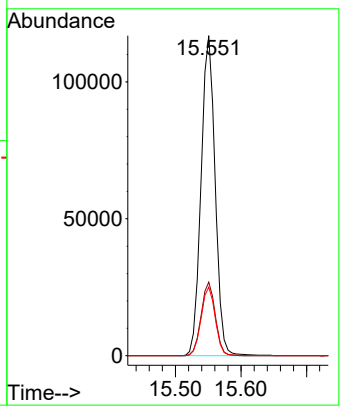


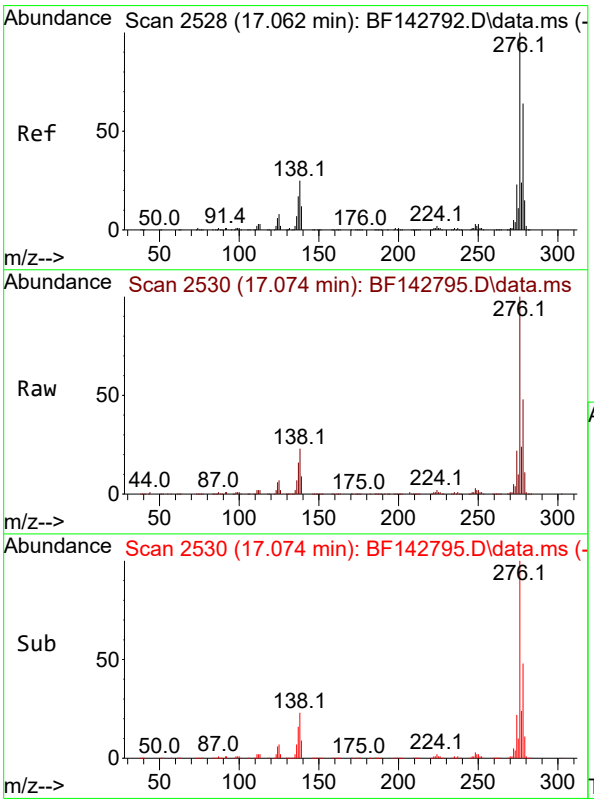
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:264 Resp: 175125

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.1	27.1
265	21.5	16.6	25.0

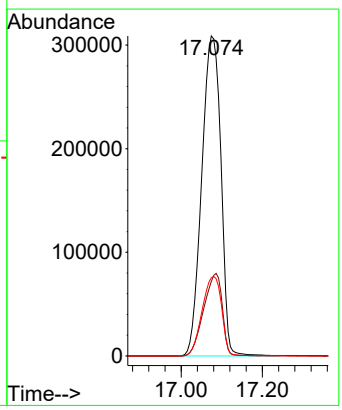


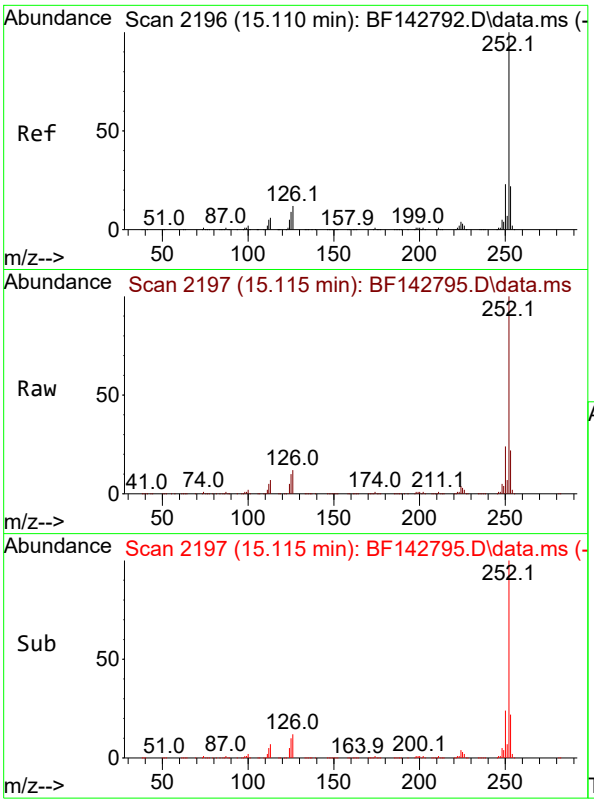


#87
Indeno(1,2,3-cd)pyrene
Concen: 78.036 ng
RT: 17.074 min Scan# 2530
Delta R.T. 0.012 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:276 Resp: 1010374

Ion	Ratio	Lower	Upper
276	100		
138	25.0	20.2	30.4
277	25.2	19.8	29.6



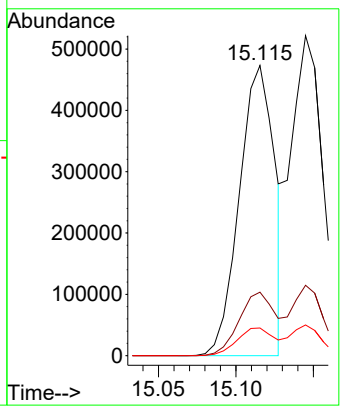


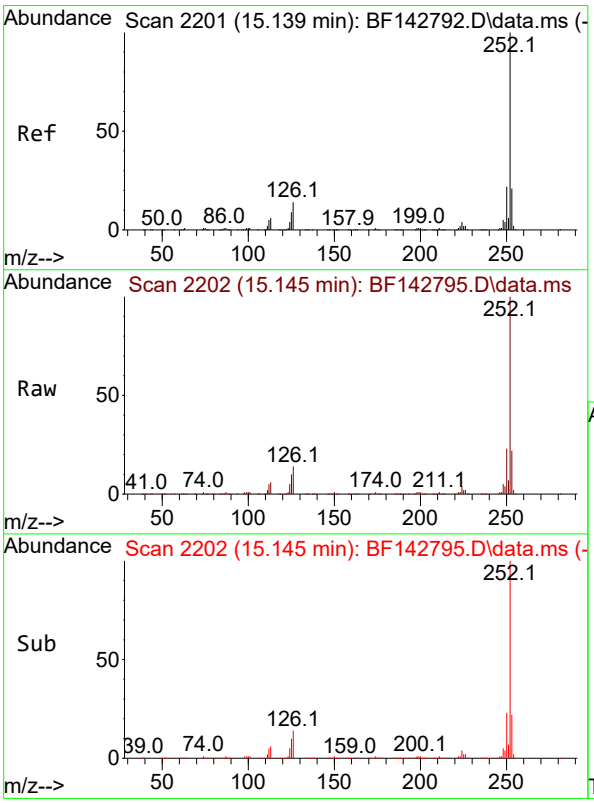
#88
Benzo(b)fluoranthene
Concen: 73.471 ng
RT: 15.115 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 749341

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.5	7.4	11.0

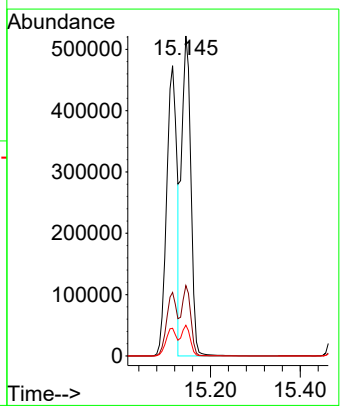


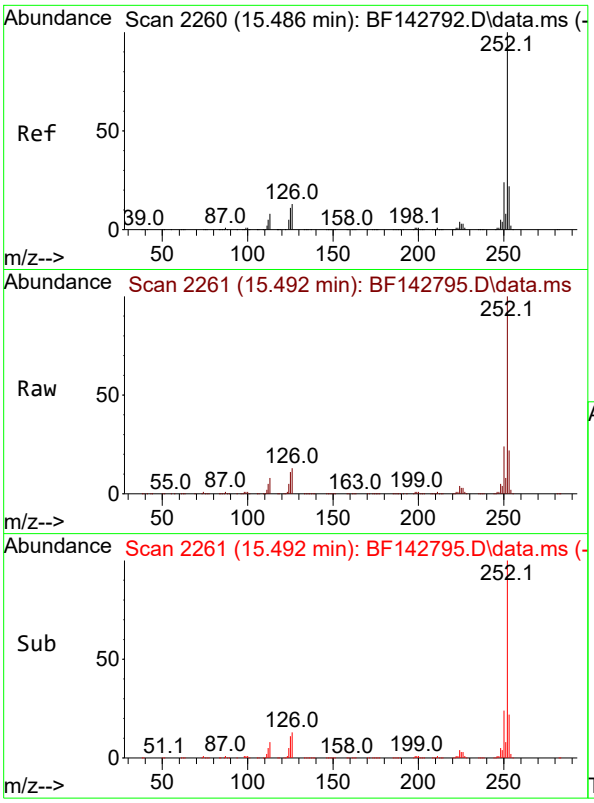


#89
Benzo(k)fluoranthene
Concen: 75.108 ng
RT: 15.145 min Scan# 2202
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:252 Resp: 747789

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.2	25.8
125	9.6	7.4	11.2



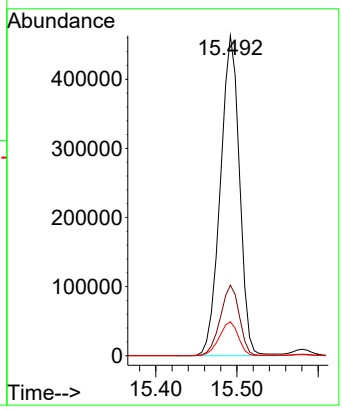


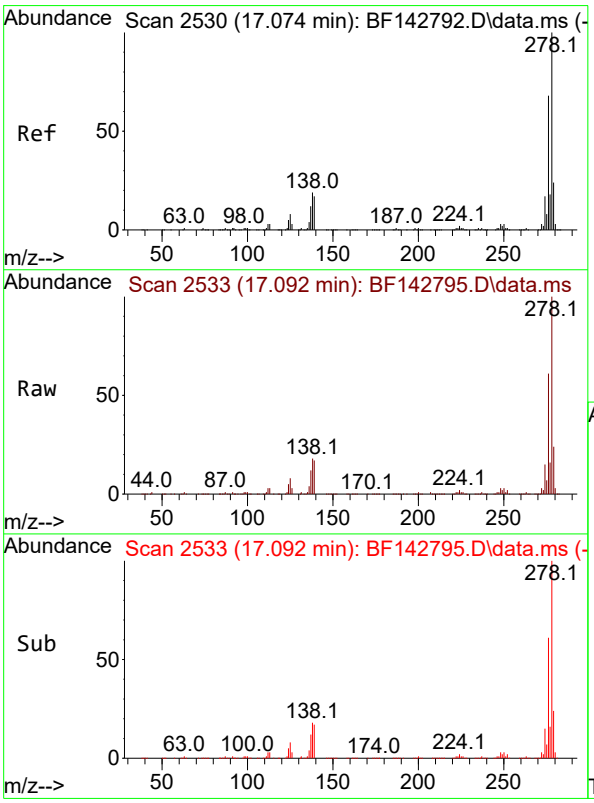
#90
Benzo(a)pyrene
Concen: 77.813 ng
RT: 15.492 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 759483

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.6	8.6	12.8

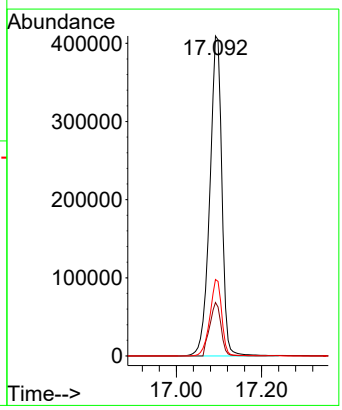


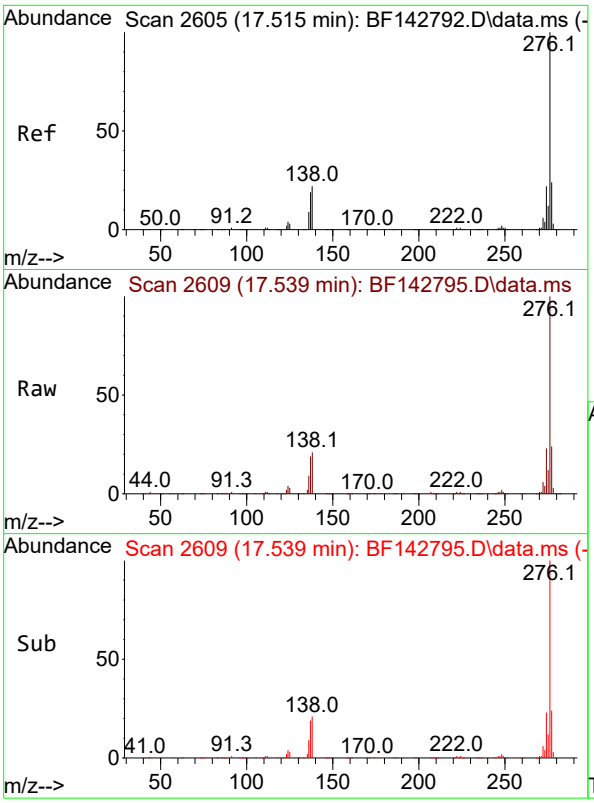


#91
Dibenzo(a,h)anthracene
Concen: 76.662 ng
RT: 17.092 min Scan# 2533
Delta R.T. 0.018 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:278 Resp: 806991

Ion	Ratio	Lower	Upper
278	100		
139	16.7	13.5	20.3
279	23.9	18.8	28.2



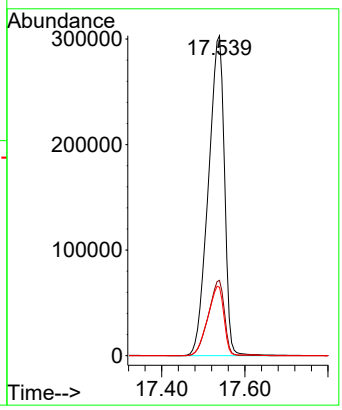


#92
Benzo(g,h,i)perylene
Concen: 77.429 ng
RT: 17.539 min Scan# 2
Delta R.T. 0.024 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 813177

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.8	28.2
138	21.4	17.6	26.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	74183	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	279139	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	142968	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	228099	20.000	ng	0.00
76) Chrysene-d12	14.057	240	122573	20.000	ng	0.00
86) Perylene-d12	15.545	264	153363	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	361762	81.192	ng	0.00
7) Phenol-d6	6.510	99	421918	80.262	ng	0.00
23) Nitrobenzene-d5	7.445	82	373199	73.334	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	117795	80.065	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	785440	72.171	ng	0.00
79) Terphenyl-d14	12.998	244	628420	70.839	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.634	88	70139	39.357	ng	100
3) Pyridine	3.404	79	185173	41.446	ng	99
4) n-Nitrosodimethylamine	3.357	42	96831	41.912	ng	99
6) Aniline	6.545	93	296519	42.392	ng	99
8) 2-Chlorophenol	6.663	128	202041	42.036	ng	100
9) Benzaldehyde	6.434	77	148174	47.511	ng	99
10) Phenol	6.522	94	244839	41.901	ng	99
11) bis(2-Chloroethyl)ether	6.616	93	176058	42.157	ng	99
12) 1,3-Dichlorobenzene	6.822	146	228820	42.568	ng	99
13) 1,4-Dichlorobenzene	6.898	146	229234	42.268	ng	99
14) 1,2-Dichlorobenzene	7.051	146	218720	42.520	ng	99
15) Benzyl Alcohol	7.022	79	160044	42.114	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.157	45	284352	42.379	ng	100
17) 2-Methylphenol	7.134	107	154746	42.485	ng	98
18) Hexachloroethane	7.392	117	80788	42.589	ng	97
19) n-Nitroso-di-n-propyla...	7.292	70	127308	41.640	ng	99
20) 3+4-Methylphenols	7.287	107	194841	42.904	ng	98
22) Acetophenone	7.292	105	261474	42.478	ng	99
24) Nitrobenzene	7.463	77	193310	41.968	ng	99
25) Isophorone	7.704	82	338001	41.403	ng	99
26) 2-Nitrophenol	7.781	139	108455	43.224	ng	100
27) 2,4-Dimethylphenol	7.816	122	183273	42.168	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	217774	41.960	ng	99
29) 2,4-Dichlorophenol	8.022	162	166286	42.196	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	182768	42.177	ng	100
31) Naphthalene	8.187	128	576847	42.218	ng	100
32) Benzoic acid	7.922	122	101203	45.685	ng	95
33) 4-Chloroaniline	8.234	127	232045	41.766	ng	98
34) Hexachlorobutadiene	8.304	225	113068	42.657	ng	99
35) Caprolactam	8.604	113	42561	40.928	ng	98
36) 4-Chloro-3-methylphenol	8.716	107	164064	41.890	ng	99
37) 2-Methylnaphthalene	8.881	142	353484	41.730	ng	100
38) 1-Methylnaphthalene	8.981	142	364378	41.554	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	182379	43.233	ng	99
41) Hexachlorocyclopentadiene	9.034	237	108592	45.361	ng	97
43) 2,4,6-Trichlorophenol	9.157	196	116946	42.543	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

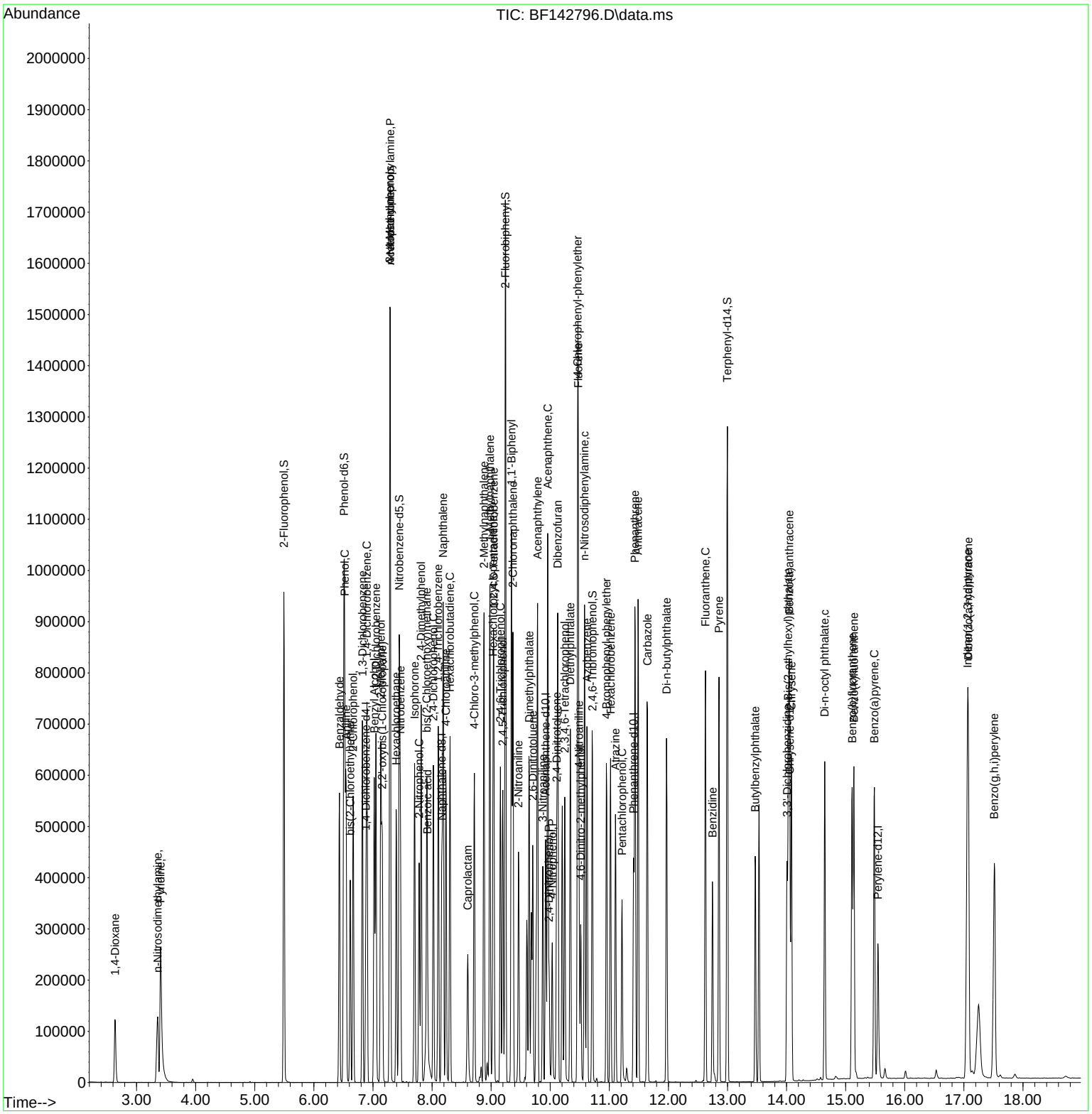
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	124558	43.045	ng	99
46) 1,1'-Biphenyl	9.345	154	476133	42.159	ng	100
47) 2-Chloronaphthalene	9.369	162	354405	41.817	ng	100
48) 2-Nitroaniline	9.463	65	99137	41.724	ng	97
49) Acenaphthylene	9.786	152	580204	41.586	ng	100
50) Dimethylphthalate	9.645	163	381573	41.232	ng	100
51) 2,6-Dinitrotoluene	9.704	165	84111	41.386	ng	99
52) Acenaphthene	9.957	154	356031	41.825	ng	100
53) 3-Nitroaniline	9.875	138	92889	41.512	ng	99
54) 2,4-Dinitrophenol	9.981	184	44513	43.742	ng	99
55) Dibenzofuran	10.128	168	502290	41.150	ng	100
56) 4-Nitrophenol	10.033	139	62127	40.556	ng	97
57) 2,4-Dinitrotoluene	10.110	165	111649	41.358	ng	100
58) Fluorene	10.475	166	391356	41.052	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	97630	41.857	ng	97
60) Diethylphthalate	10.339	149	371453	40.937	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	185884	40.862	ng	99
62) 4-Nitroaniline	10.486	138	83143	40.628	ng	99
63) Azobenzene	10.622	77	332701	41.025	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	59797	43.341	ng	94
66) n-Nitrosodiphenylamine	10.580	169	331671	41.955	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	112604	43.376	ng	96
68) Hexachlorobenzene	11.022	284	122976	42.632	ng	98
69) Atrazine	11.104	200	87455	42.840	ng	99
70) Pentachlorophenol	11.216	266	62292	43.337	ng	99
71) Phenanthrene	11.433	178	514049	41.603	ng	99
72) Anthracene	11.486	178	532397	42.013	ng	99
73) Carbazole	11.645	167	446814	40.858	ng	100
74) Di-n-butylphthalate	11.969	149	481078	42.228	ng	100
75) Fluoranthene	12.627	202	473431	40.372	ng	100
77) Benzidine	12.745	184	218884	47.530	ng	99
78) Pyrene	12.857	202	468692	40.794	ng	100
80) Butylbenzylphthalate	13.469	149	154743	46.431	ng	99
81) Benzo(a)anthracene	14.045	228	346202	41.868	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	124771	46.521	ng	99
83) Chrysene	14.080	228	321976	43.637	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	230046	47.976	ng	99
85) Di-n-octyl phthalate	14.645	149	425193	47.026	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	491326	42.060	ng	100
88) Benzo(b)fluoranthene	15.110	252	362077	40.801	ng	100
89) Benzo(k)fluoranthene	15.139	252	347044	41.800	ng	100
90) Benzo(a)pyrene	15.486	252	361077	42.117	ng	100
91) Dibenzo(a,h)anthracene	17.074	278	399293	42.069	ng	99
92) Benzo(g,h,i)perylene	17.515	276	397566	42.006	ng	100

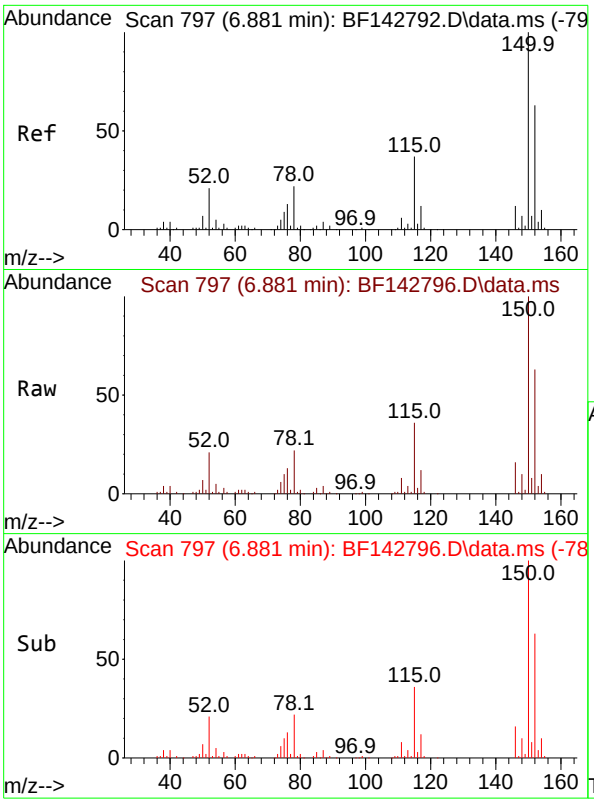
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



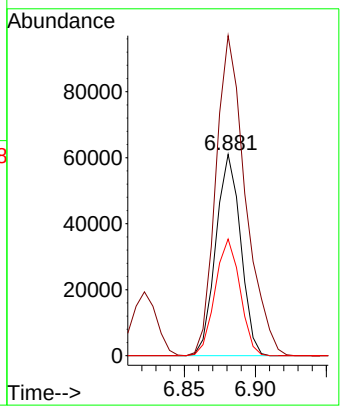


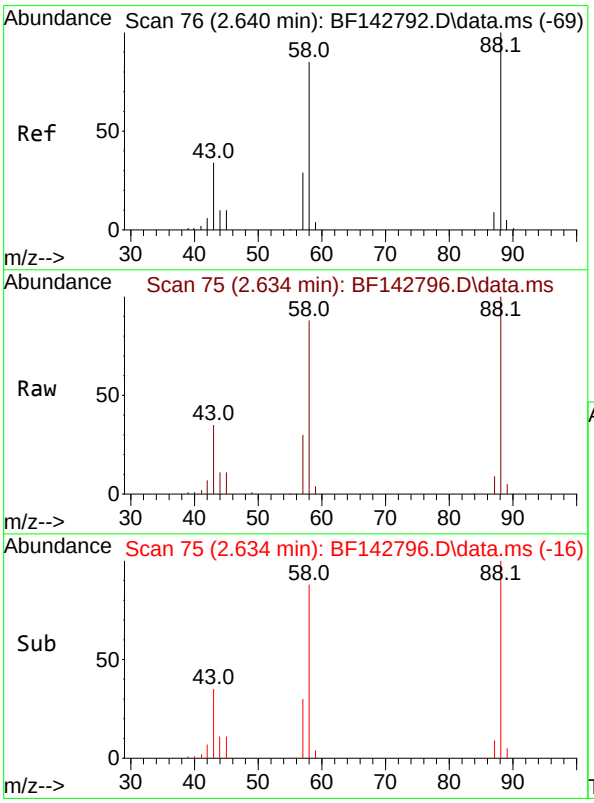
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:152 Resp: 74183

Ion	Ratio	Lower	Upper
152	100		
150	159.0	127.2	190.8
115	57.9	46.6	69.8

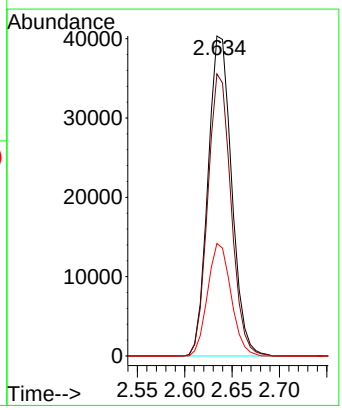


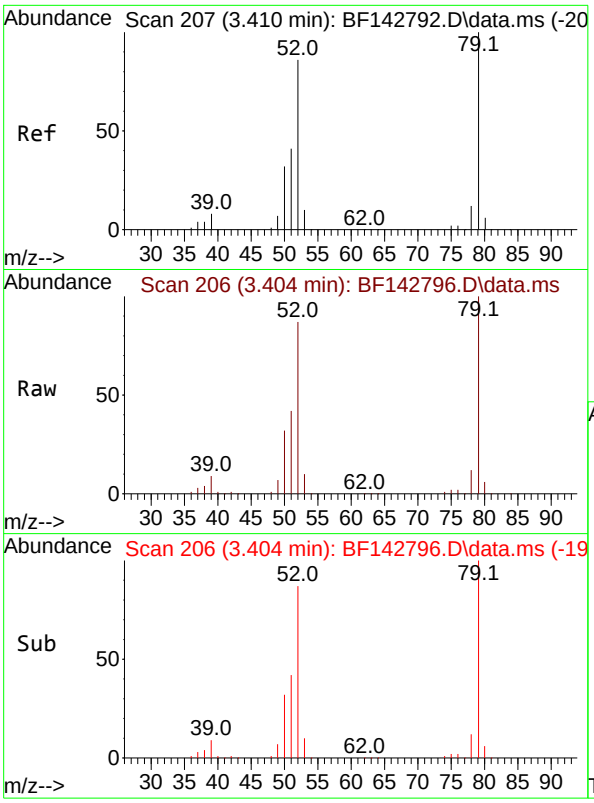


#2
1,4-Dioxane
Concen: 39.357 ng
RT: 2.634 min Scan# 75
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion: 88 Resp: 70139

Ion	Ratio	Lower	Upper
88	100		
58	86.6	69.1	103.7
43	34.8	27.4	41.2



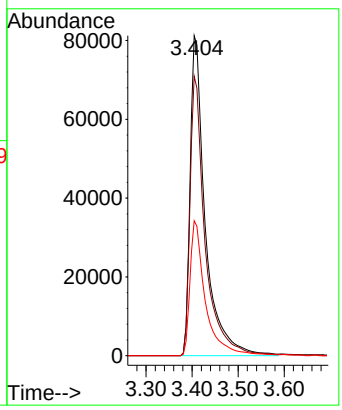


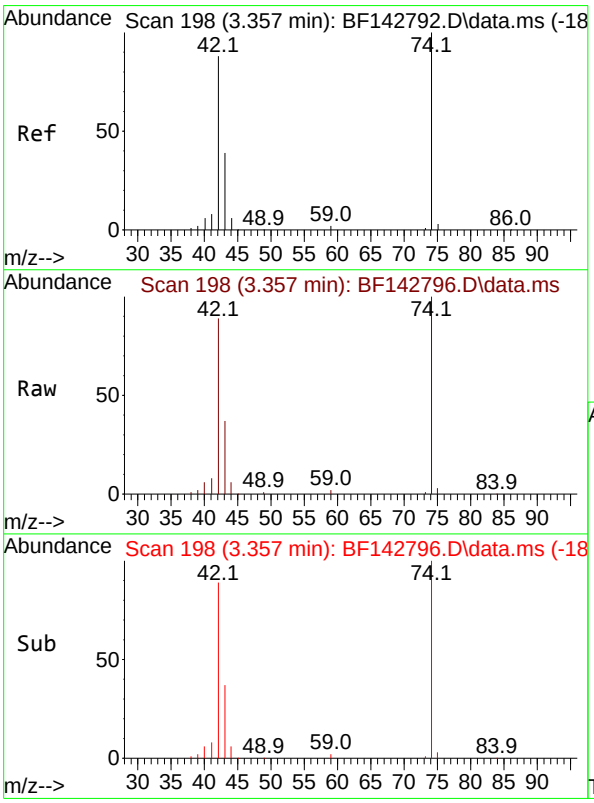
#3
Pyridine
Concen: 41.446 ng
RT: 3.404 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion: 79 Resp: 185173

Ion	Ratio	Lower	Upper
79	100		
52	87.4	69.2	103.8
51	42.1	33.2	49.8

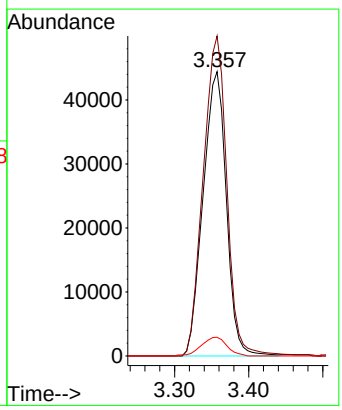


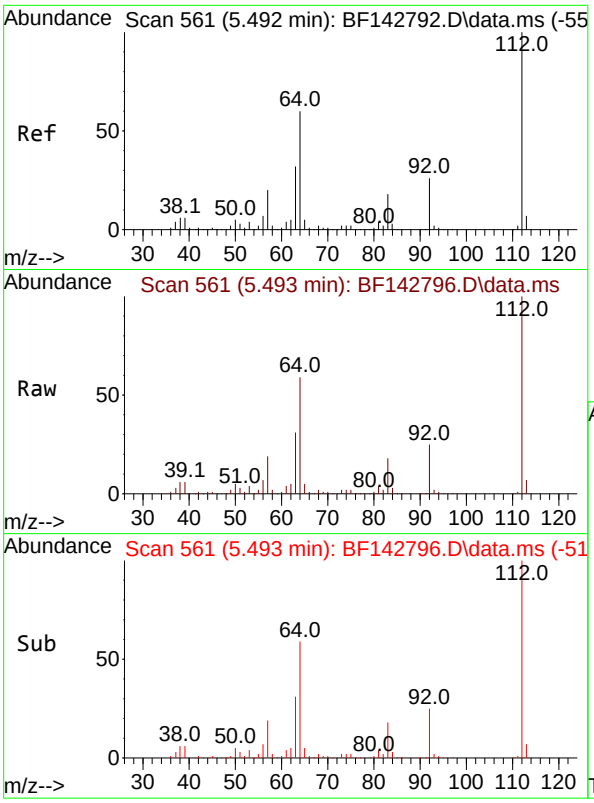


#4
n-Nitrosodimethylamine
Concen: 41.912 ng
RT: 3.357 min Scan# 198
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion: 42 Resp: 96831

Ion	Ratio	Lower	Upper
42	100		
74	112.6	90.9	136.3
44	6.6	5.8	8.6



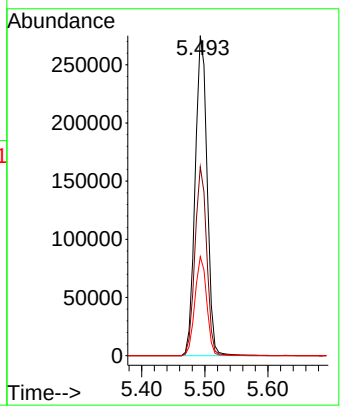


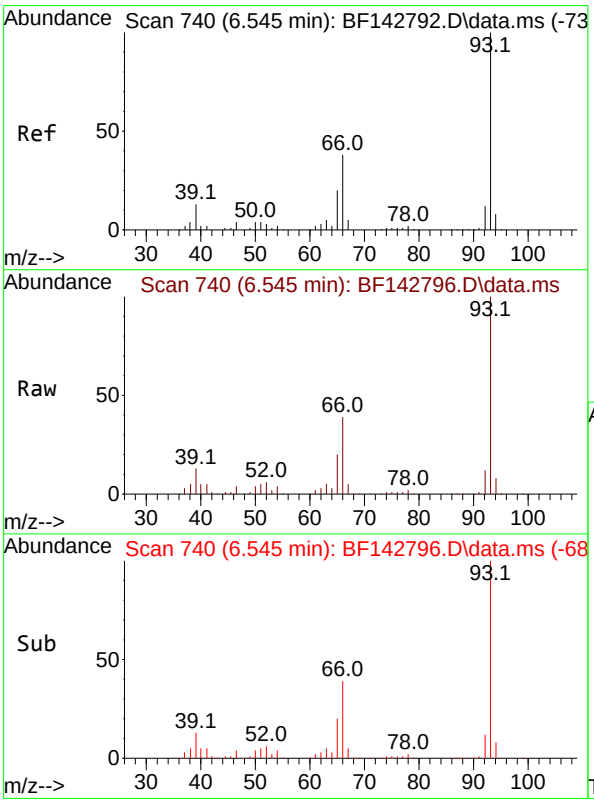
#5
2-Fluorophenol
Concen: 81.192 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.001 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:112 Resp: 361762

Ion	Ratio	Lower	Upper
112	100		
64	59.0	48.2	72.2
63	31.0	25.7	38.5

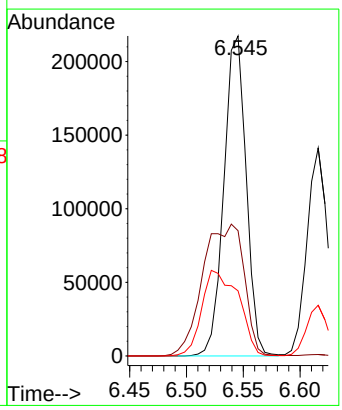


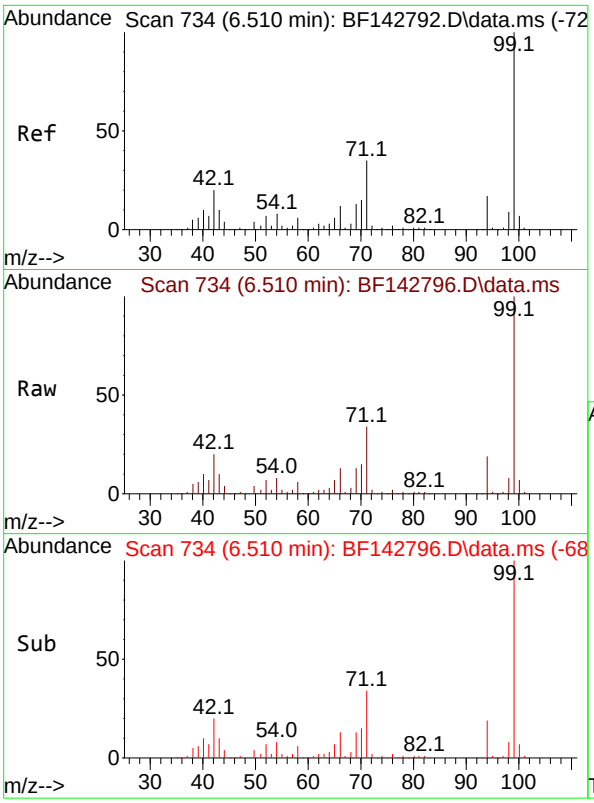


#6
Aniline
Concen: 42.392 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion: 93 Resp: 296519

Ion	Ratio	Lower	Upper
93	100		
66	39.2	31.8	47.6
65	20.4	16.2	24.2



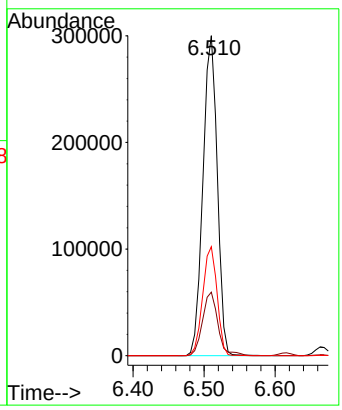


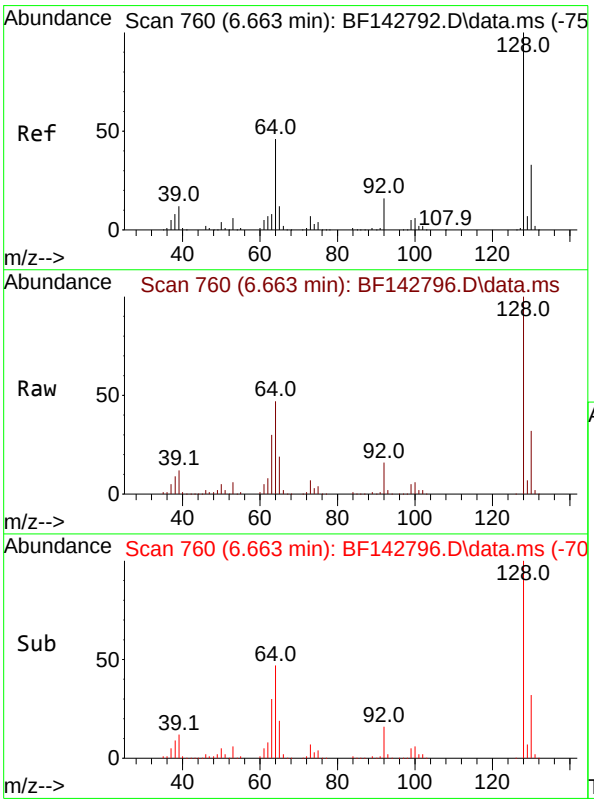
#7
Phenol-d6
Concen: 80.262 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion: 99 Resp: 421918

Ion	Ratio	Lower	Upper
99	100		
42	19.8	15.9	23.9
71	34.1	27.8	41.8

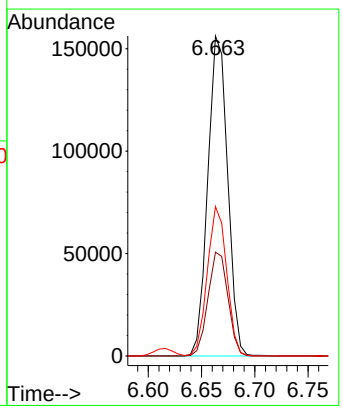


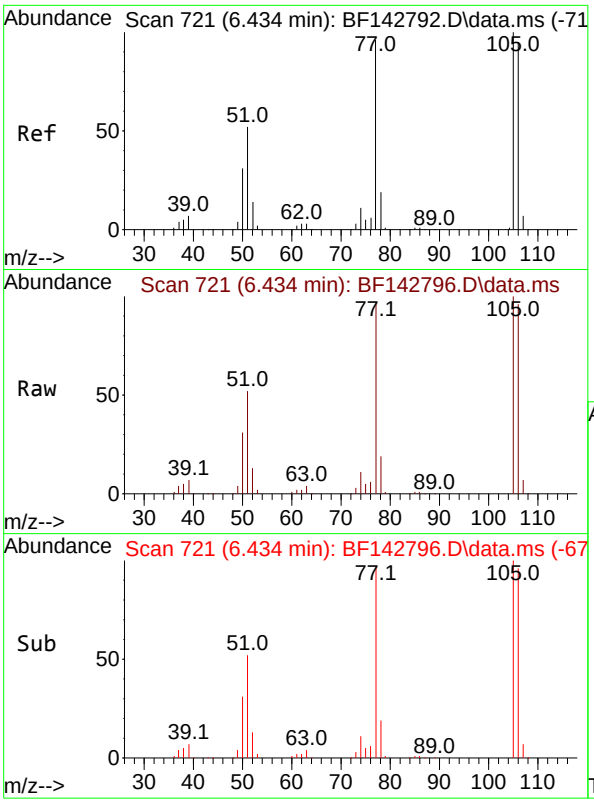


#8
2-Chlorophenol
Concen: 42.036 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:128 Resp: 202041

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.7	52.7
64	46.7	26.5	66.5



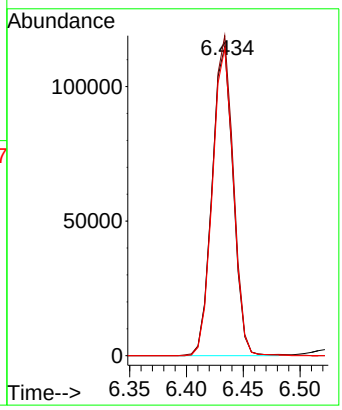


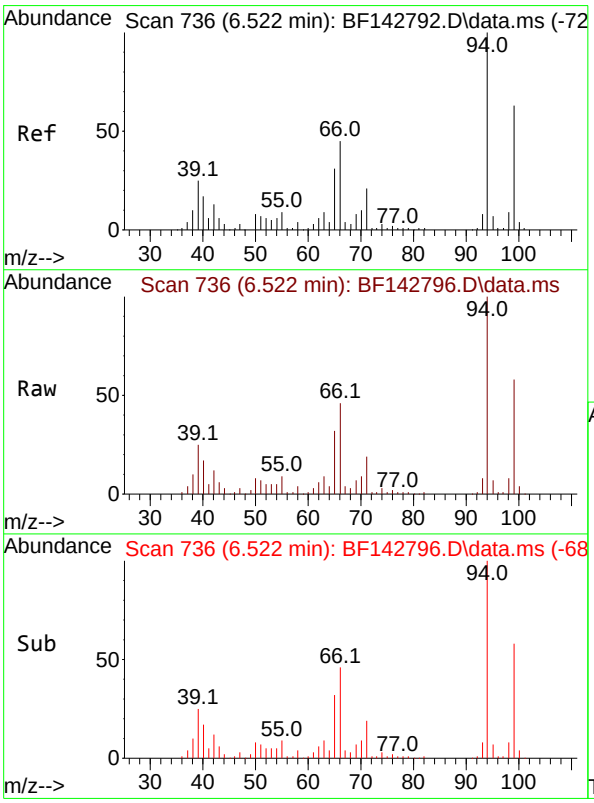
#9
Benzaldehyde
Concen: 47.511 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion: 77 Resp: 148174

Ion	Ratio	Lower	Upper
77	100		
105	103.4	83.8	123.8
106	99.4	78.7	118.7

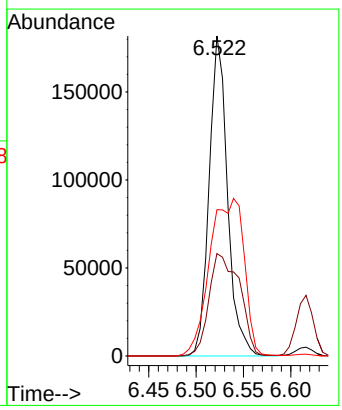


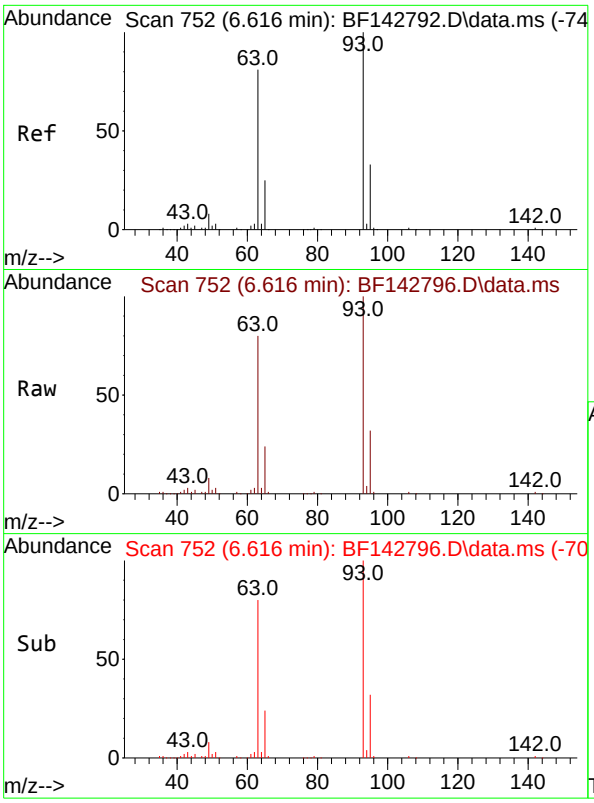


#10
Phenol
Concen: 41.901 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion: 94 Resp: 244839

Ion	Ratio	Lower	Upper
94	100		
65	32.0	11.3	51.3
66	45.7	24.9	64.9



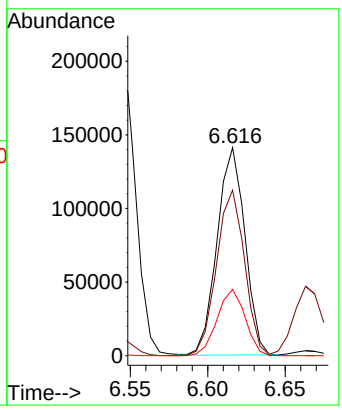


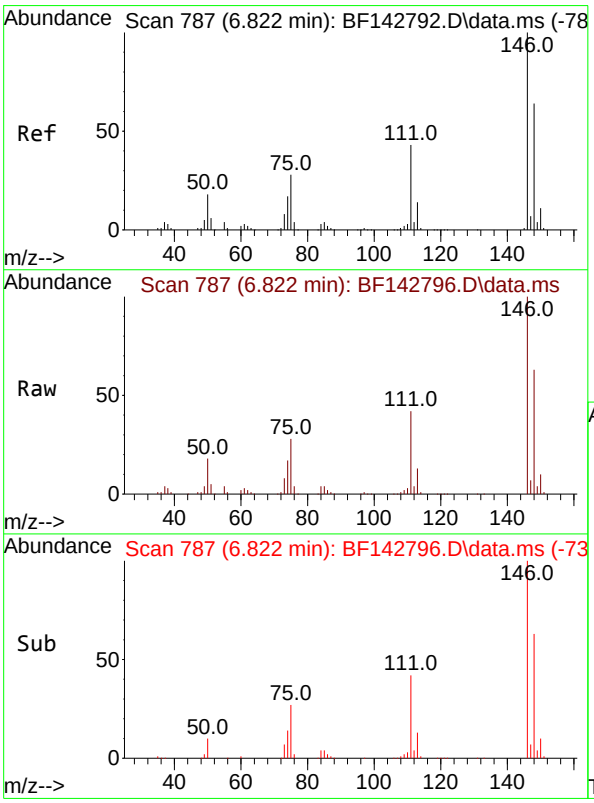
#11
bis(2-Chloroethyl)ether
Concen: 42.157 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion: 93 Resp: 176058

Ion	Ratio	Lower	Upper
93	100		
63	79.6	60.3	100.3
95	31.9	12.5	52.5

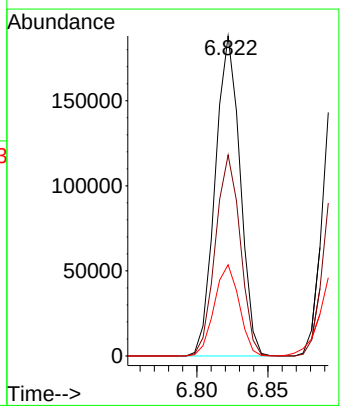


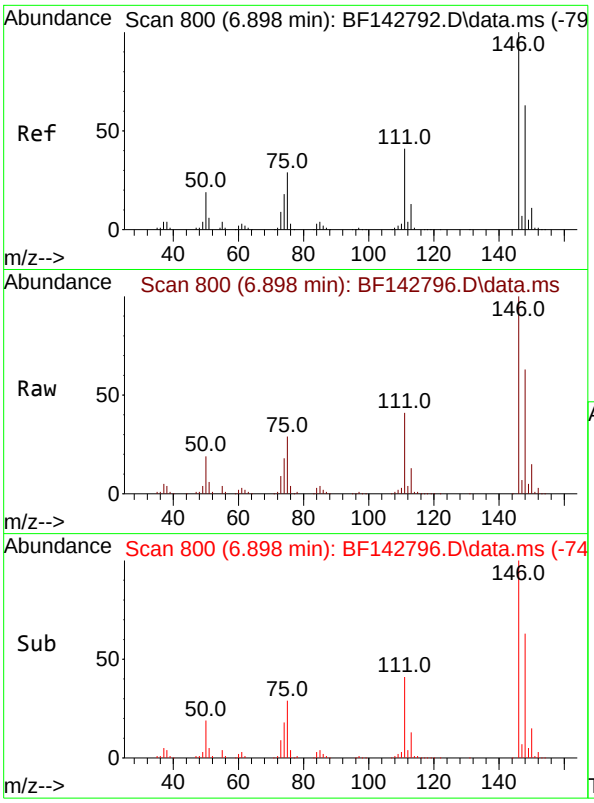


#12
1,3-Dichlorobenzene
Concen: 42.568 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:146 Resp: 228820

Ion	Ratio	Lower	Upper
146	100		
148	62.8	51.1	76.7
75	28.5	22.7	34.1



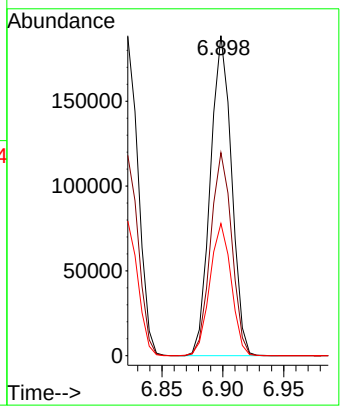


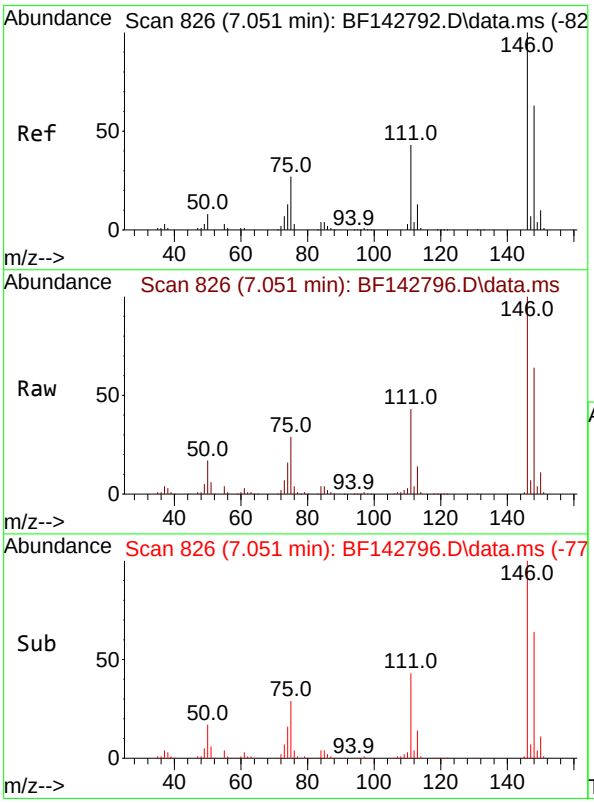
#13
1,4-Dichlorobenzene
Concen: 42.268 ng
RT: 6.898 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:146 Resp: 229234

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.2	75.2
111	41.3	33.2	49.8

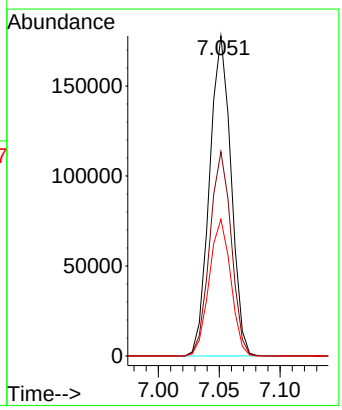


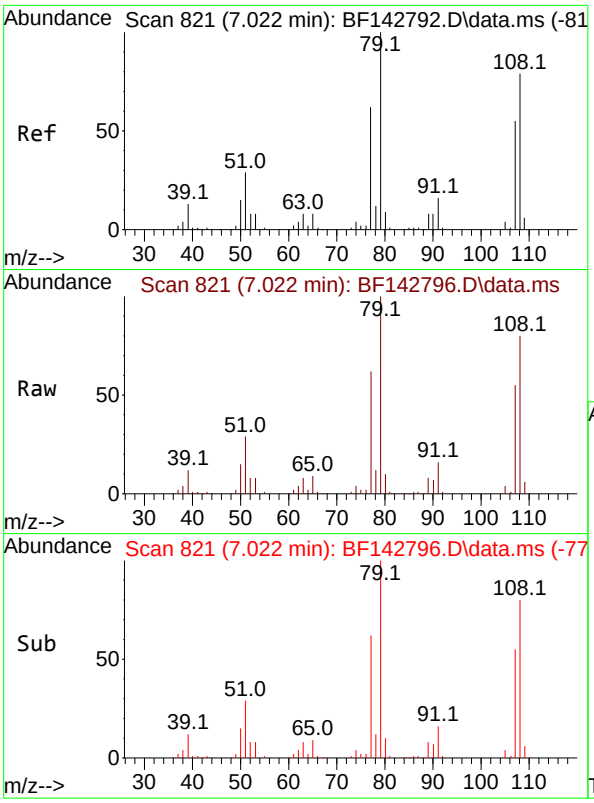


#14
1,2-Dichlorobenzene
Concen: 42.520 ng
RT: 7.051 min Scan# 826
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:146 Resp: 218720

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.4	75.6
111	42.7	34.1	51.1



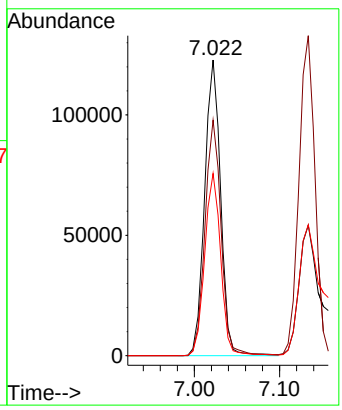


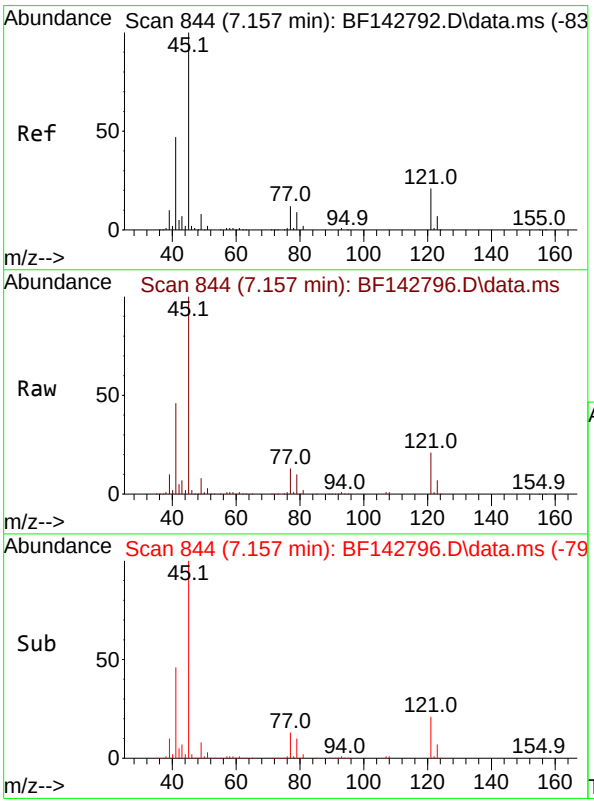
#15
Benzyl Alcohol
Concen: 42.114 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion: 79 Resp: 160044

Ion	Ratio	Lower	Upper
79	100		
108	79.6	63.4	95.0
77	61.7	49.5	74.3

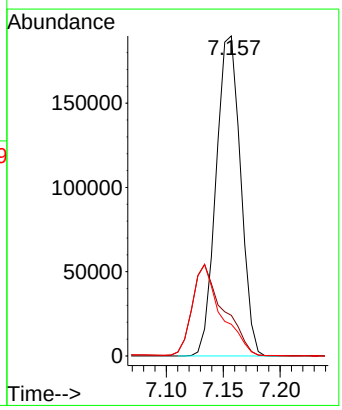


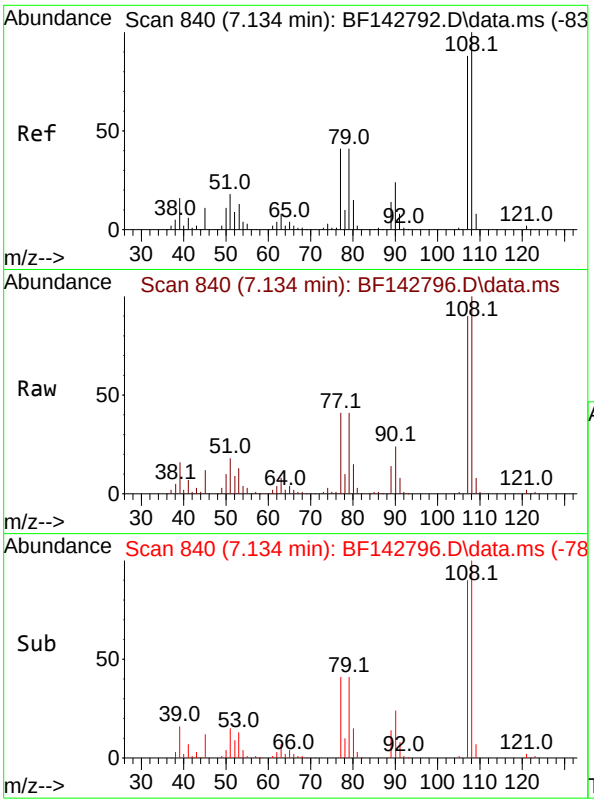


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.379 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion: 45 Resp: 284352

Ion	Ratio	Lower	Upper
45	100		
77	12.7	0.0	32.8
79	9.9	0.0	29.8



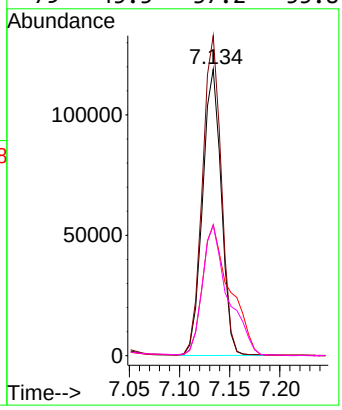


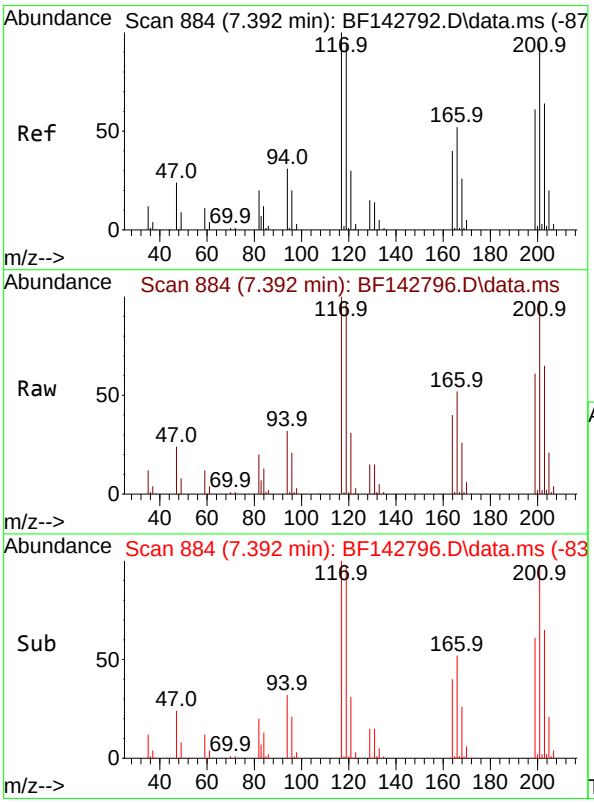
#17
2-Methylphenol
Concen: 42.485 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:107 Resp: 154746

Ion	Ratio	Lower	Upper
107	100		
108	111.6	90.9	136.3
77	45.7	37.3	55.9
79	45.5	37.2	55.8

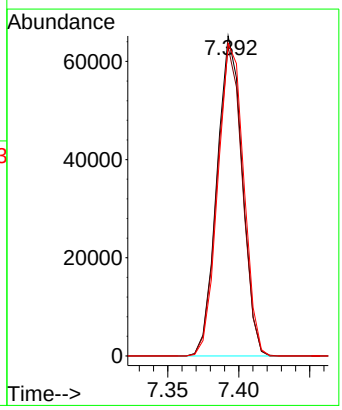


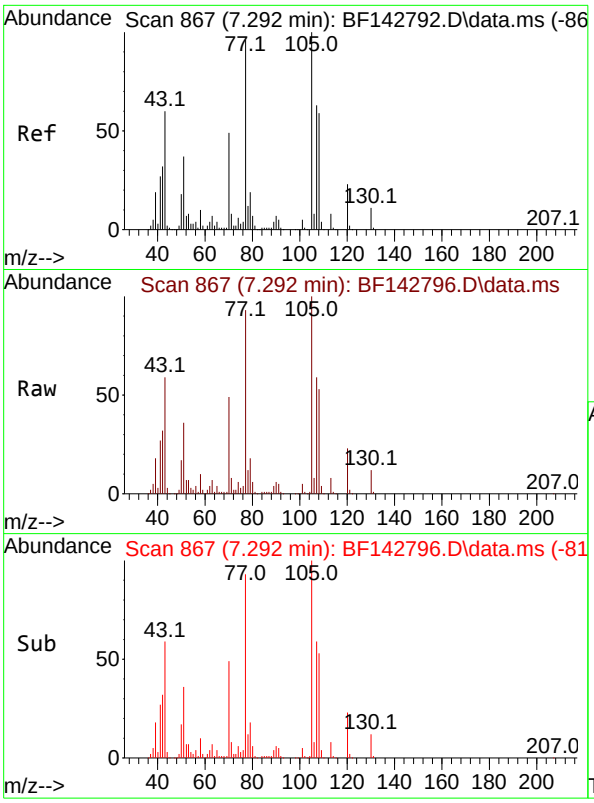


#18
Hexachloroethane
Concen: 42.589 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:117 Resp: 80788

Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.4	113.0
201	97.7	75.9	113.9



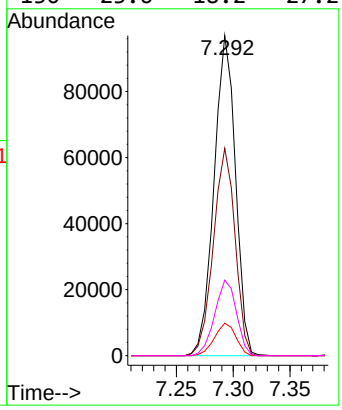


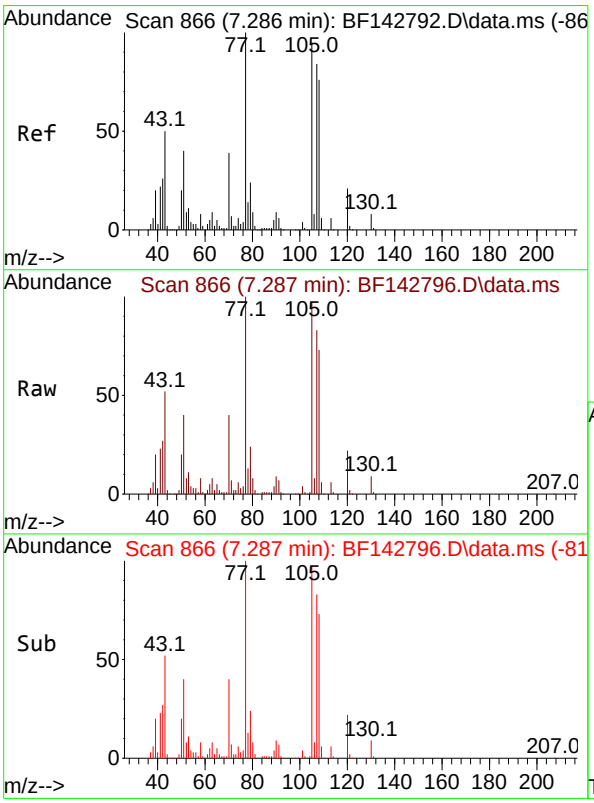
#19
n-Nitroso-di-n-propylamine
Concen: 41.640 ng
RT: 7.292 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion: 70 Resp: 127308

Ion	Ratio	Lower	Upper
70	100		
42	64.8	52.1	78.1
101	10.1	8.2	12.2
130	23.6	18.2	27.2

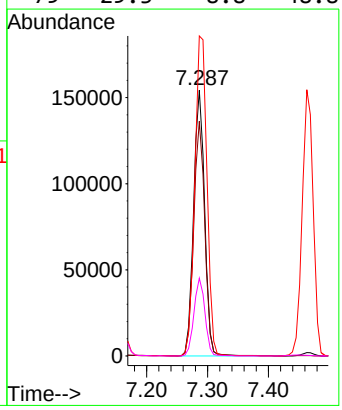


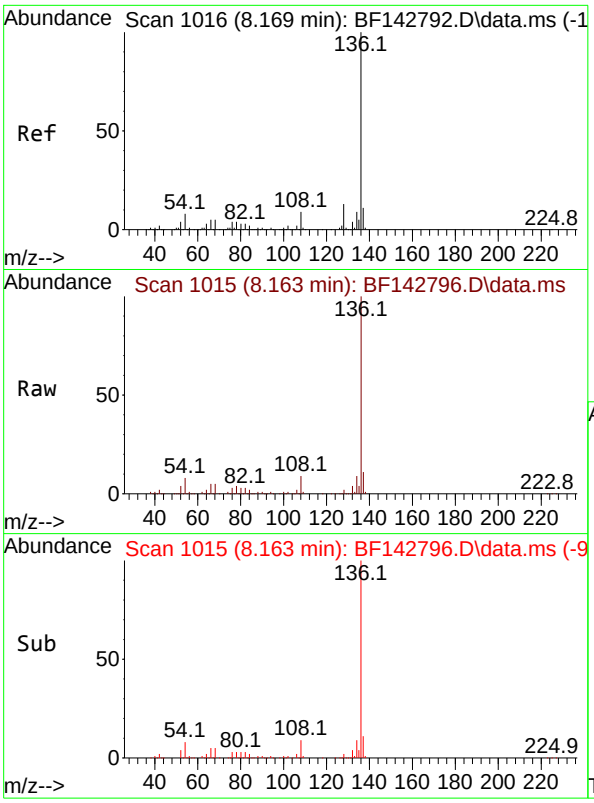


#20
3+4-Methylphenols
Concen: 42.904 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:107 Resp: 194841

Ion	Ratio	Lower	Upper
107	100		
108	88.3	70.0	110.0
77	120.4	98.5	138.5
79	29.3	8.8	48.8



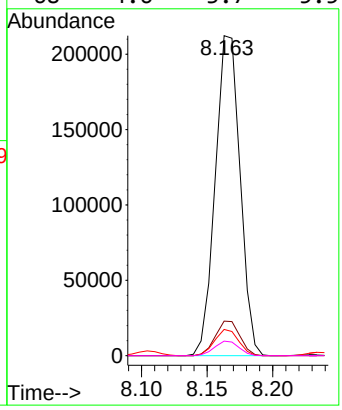


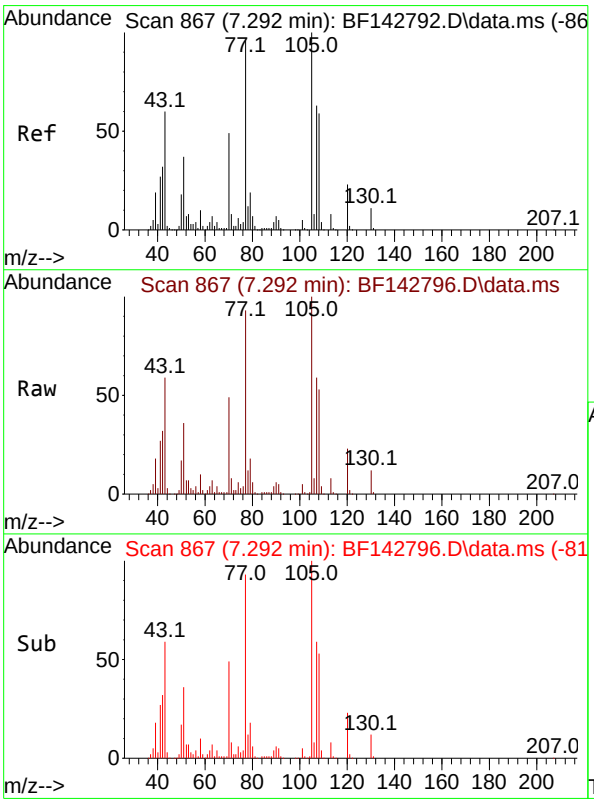
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:136 Resp: 279139

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	8.2	6.3	9.5
68	4.6	3.7	5.5

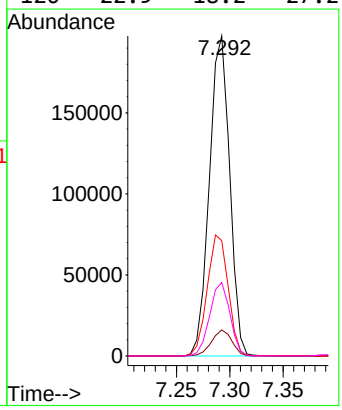


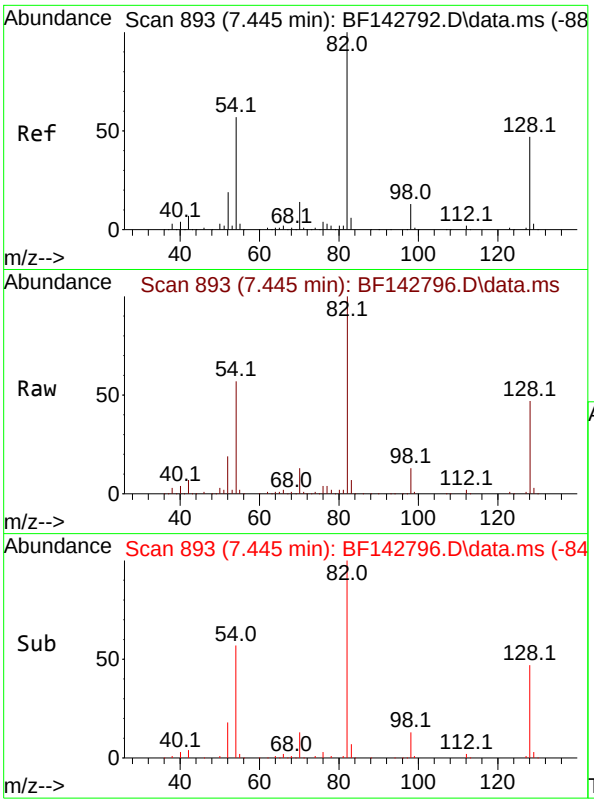


#22
Acetophenone
Concen: 42.478 ng
RT: 7.292 min Scan# 867
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:105 Resp: 261474

Ion	Ratio	Lower	Upper
105	100		
71	8.1	6.5	9.7
51	36.0	29.8	44.8
120	22.9	18.2	27.2



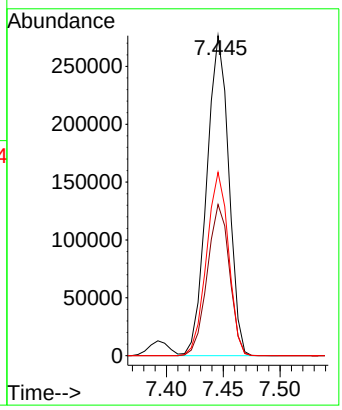


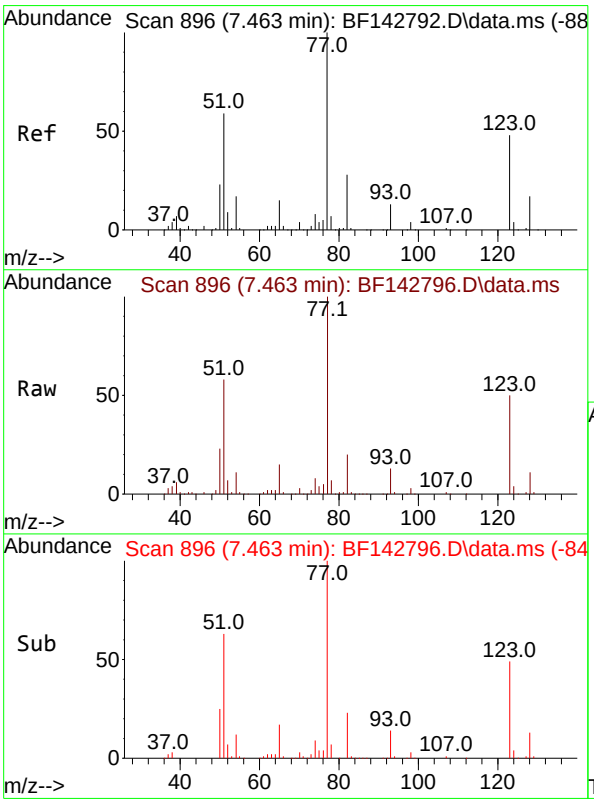
#23
Nitrobenzene-d5
Concen: 73.334 ng
RT: 7.445 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion: 82 Resp: 373199

Ion	Ratio	Lower	Upper
82	100		
128	47.2	37.7	56.5
54	57.3	45.7	68.5

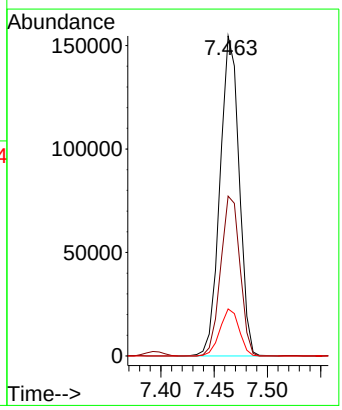


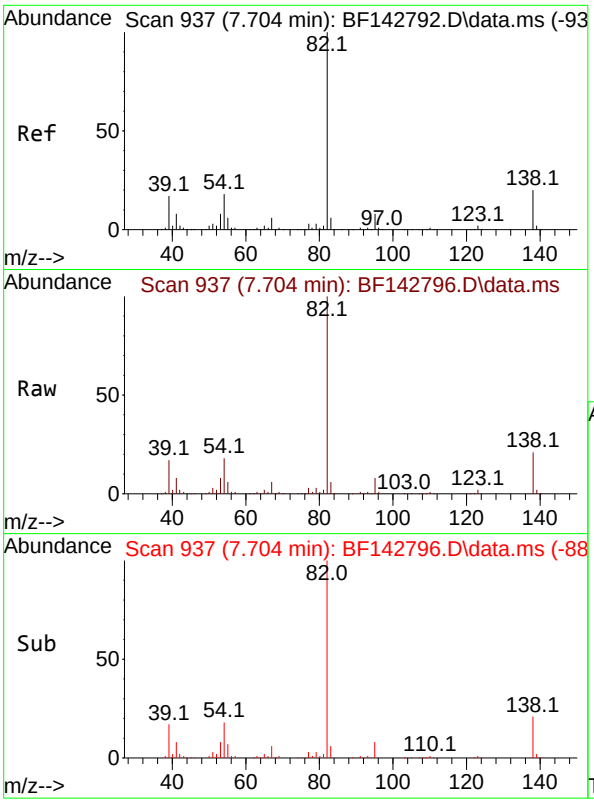


#24
Nitrobenzene
Concen: 41.968 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion: 77 Resp: 193310

Ion	Ratio	Lower	Upper
77	100		
123	50.0	39.2	58.8
65	14.7	11.6	17.4



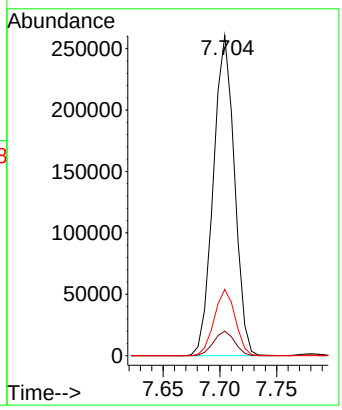


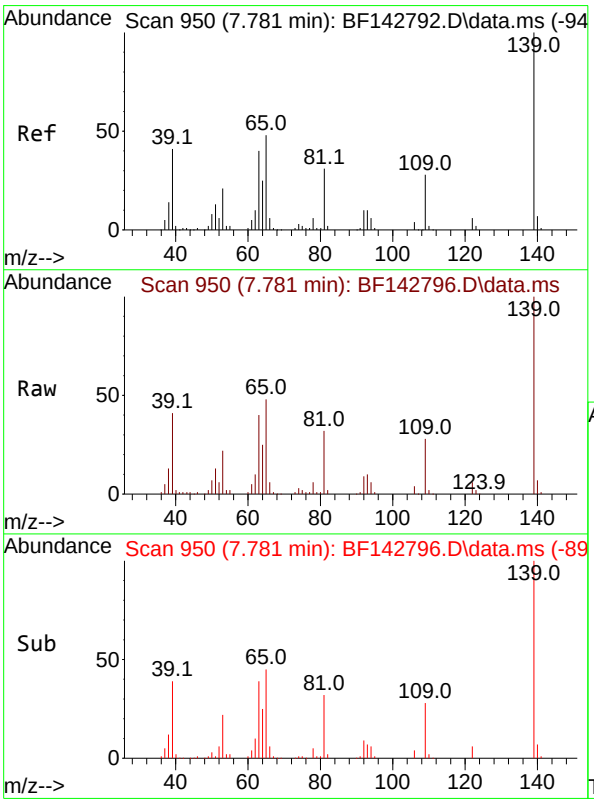
#25
Isophorone
Concen: 41.403 ng
RT: 7.704 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion: 82 Resp: 338001

Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.2	9.2
138	20.7	16.2	24.4

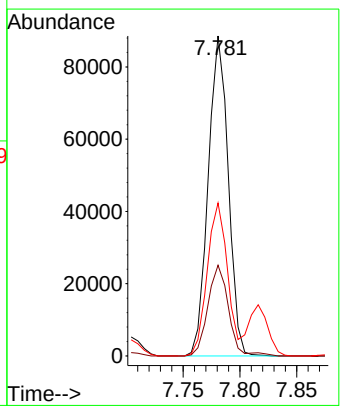


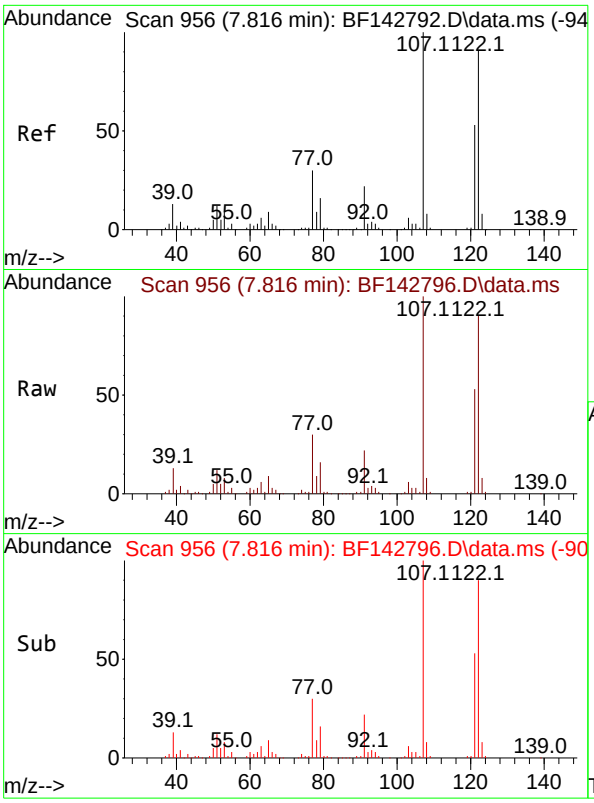


#26
2-Nitrophenol
Concen: 43.224 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:139 Resp: 108455

Ion	Ratio	Lower	Upper
139	100		
109	28.4	22.7	34.1
65	47.8	38.6	58.0



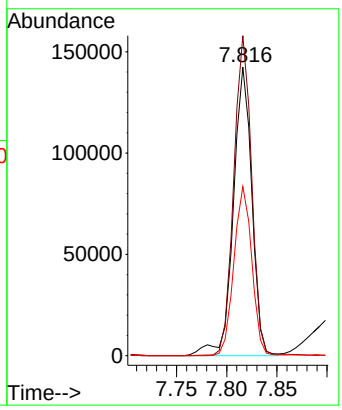


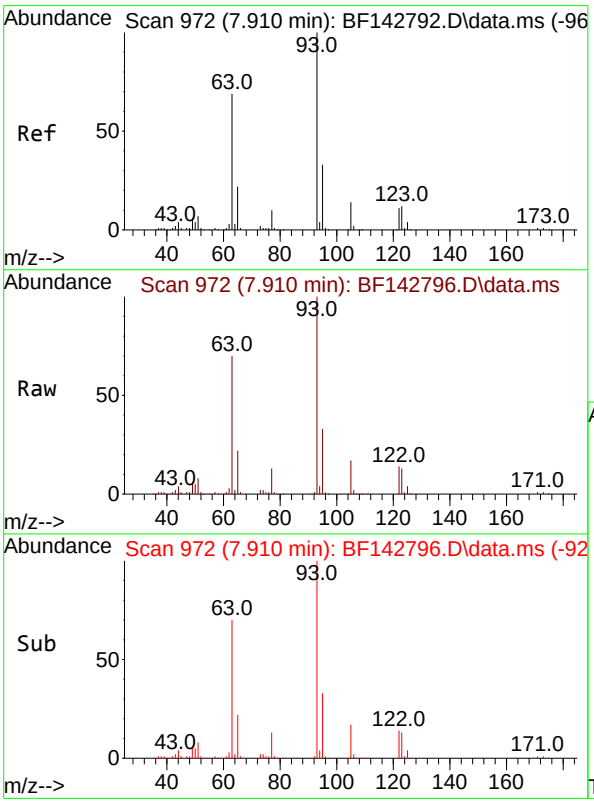
#27
2,4-Dimethylphenol
Concen: 42.168 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:122 Resp: 183273

Ion	Ratio	Lower	Upper
122	100		
107	110.9	88.0	132.0
121	58.6	46.3	69.5

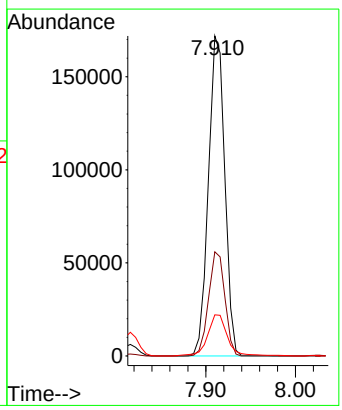


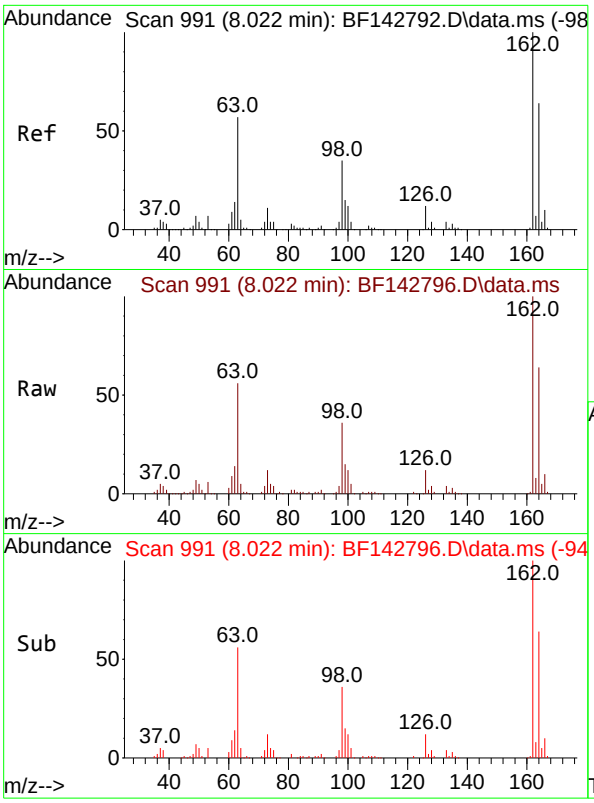


#28
bis(2-Chloroethoxy)methane
Concen: 41.960 ng
RT: 7.910 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion: 93 Resp: 217774

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.2	39.2
123	12.9	9.9	14.9



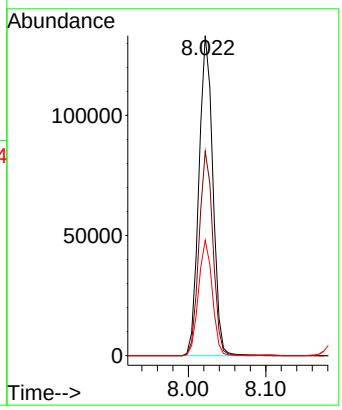


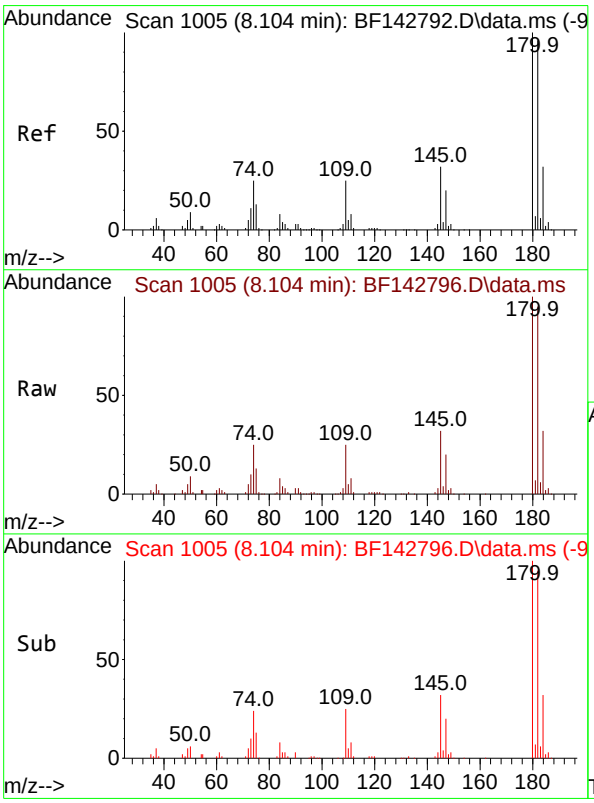
#29
2,4-Dichlorophenol
Concen: 42.196 ng
RT: 8.022 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:162 Resp: 166286

Ion	Ratio	Lower	Upper
162	100		
164	63.8	44.0	84.0
98	36.1	15.4	55.4

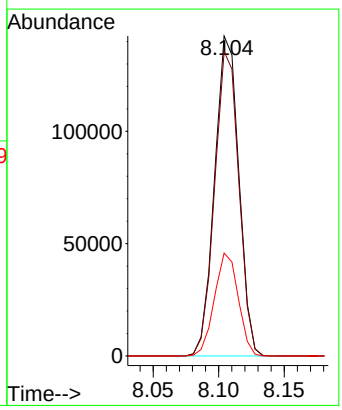


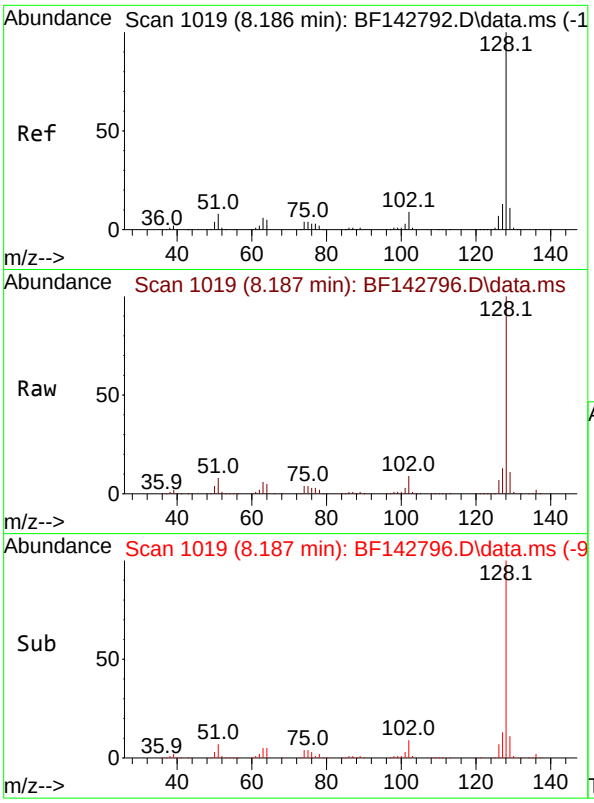


#30
1,2,4-Trichlorobenzene
Concen: 42.177 ng
RT: 8.104 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:180 Resp: 182768

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.4	114.6
145	32.1	25.8	38.8



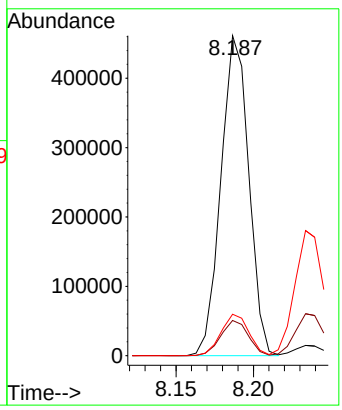


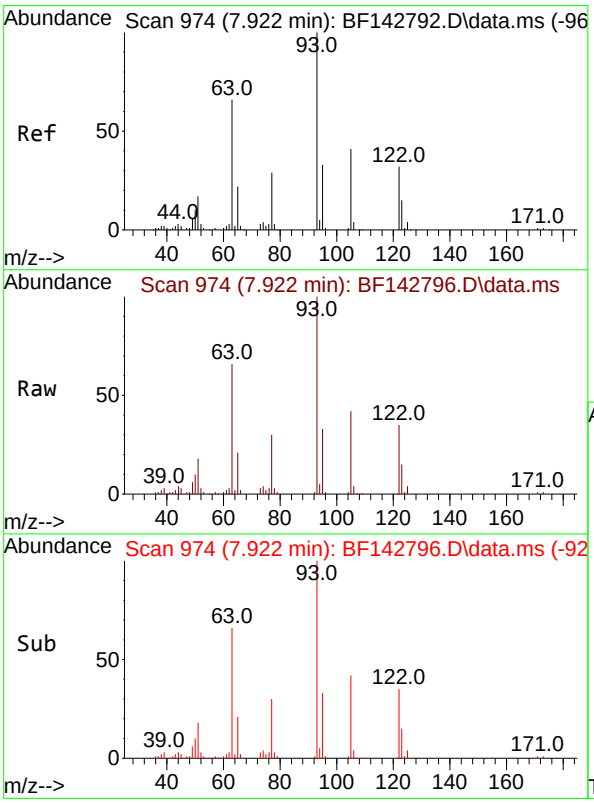
#31
Naphthalene
Concen: 42.218 ng
RT: 8.187 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:128 Resp: 576847

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	12.9	10.4	15.6

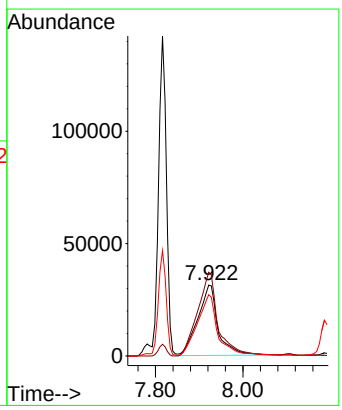


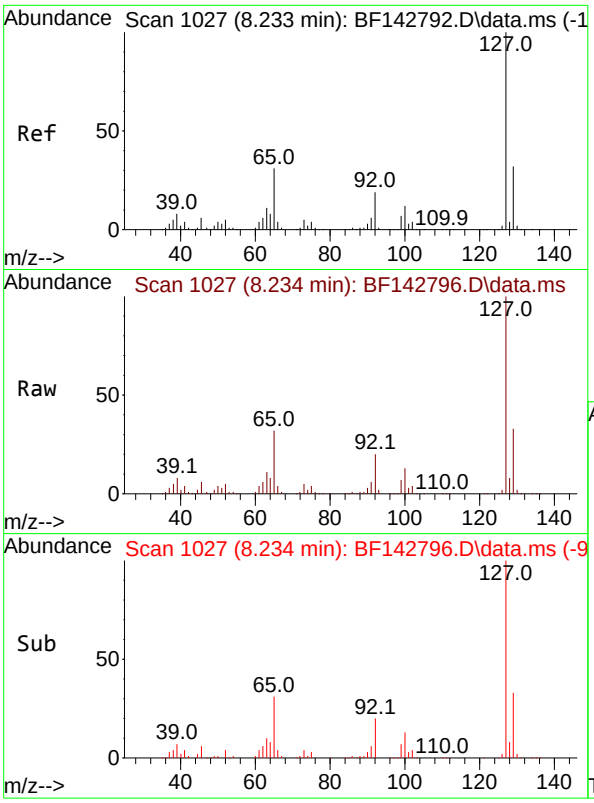


#32
Benzoic acid
Concen: 45.685 ng
RT: 7.922 min Scan# 974
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:122 Resp: 101203

Ion	Ratio	Lower	Upper
122	100		
105	118.1	104.7	144.7
77	86.4	70.2	110.2



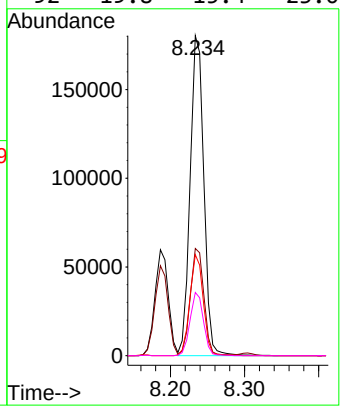


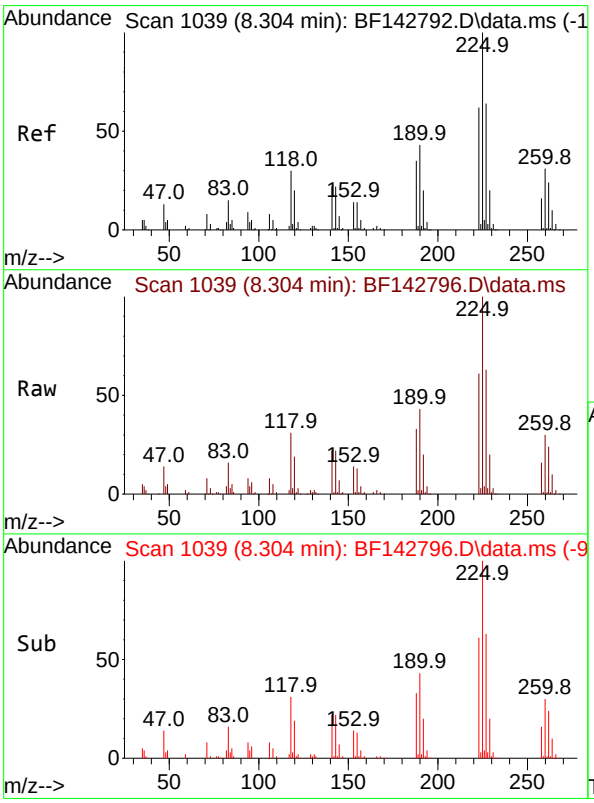
#33
4-Chloroaniline
Concen: 41.766 ng
RT: 8.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:127 Resp: 232045

Ion	Ratio	Lower	Upper
127	100		
129	33.5	25.9	38.9
65	31.6	24.6	36.8
92	19.8	15.4	23.0

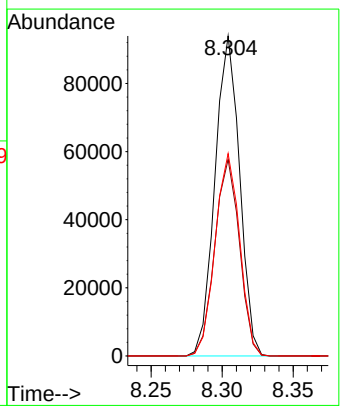


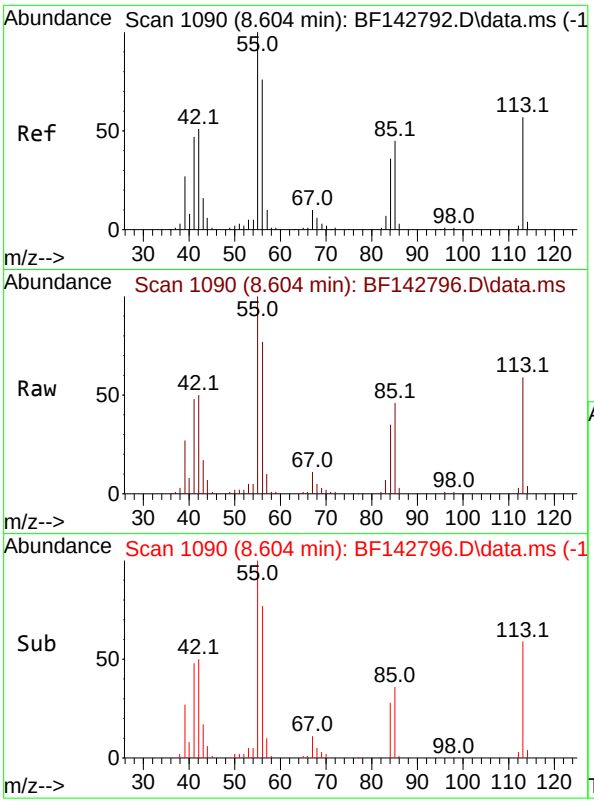


#34
Hexachlorobutadiene
Concen: 42.657 ng
RT: 8.304 min Scan# 1039
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:225 Resp: 113068

Ion	Ratio	Lower	Upper
225	100		
223	61.4	49.9	74.9
227	63.3	51.4	77.0



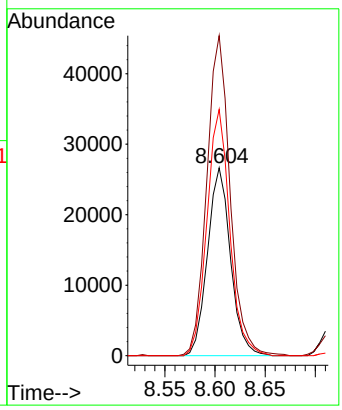


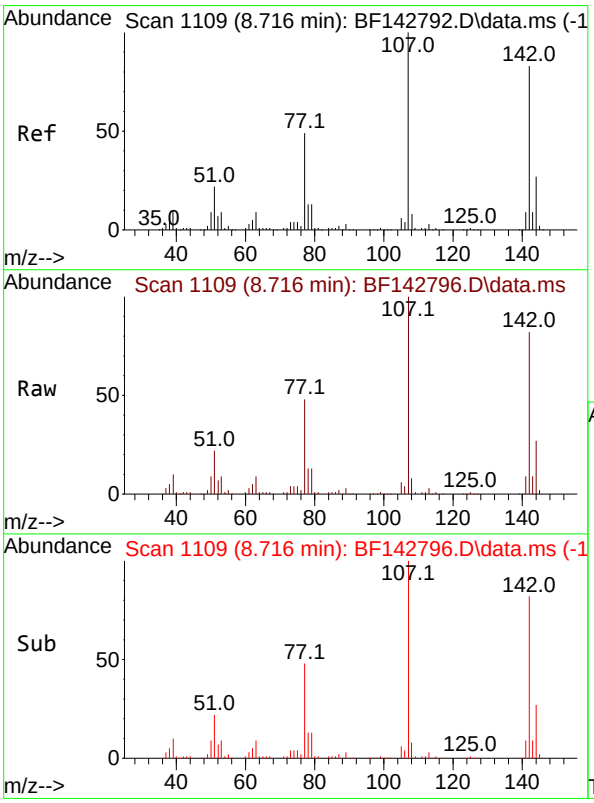
#35
Caprolactam
Concen: 40.928 ng
RT: 8.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:113 Resp: 42561

Ion	Ratio	Lower	Upper
113	100		
55	170.4	154.4	194.4
56	131.1	112.1	152.1

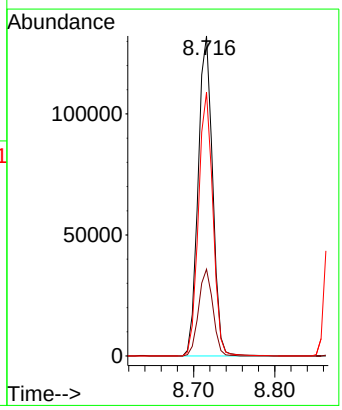


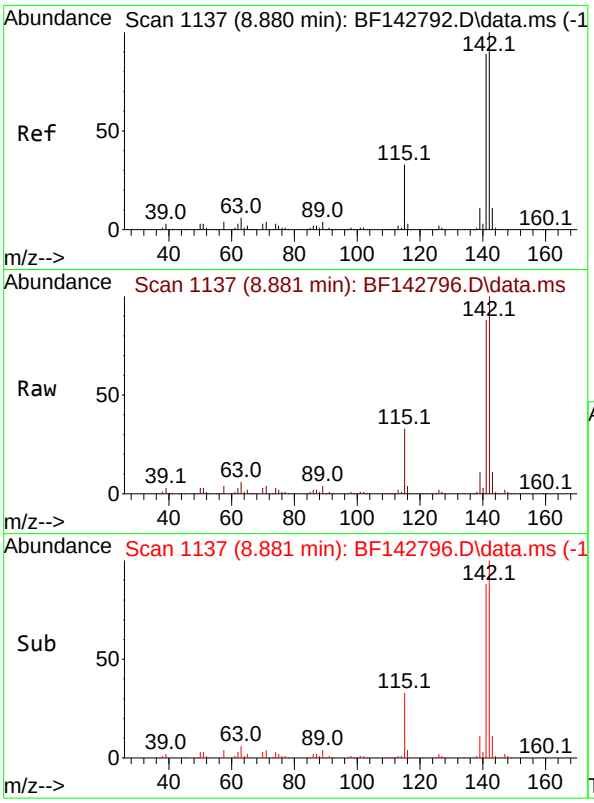


#36
4-Chloro-3-methylphenol
Concen: 41.890 ng
RT: 8.716 min Scan# 1109
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:107 Resp: 164064

Ion	Ratio	Lower	Upper
107	100		
144	27.1	21.3	31.9
142	82.4	66.6	100.0



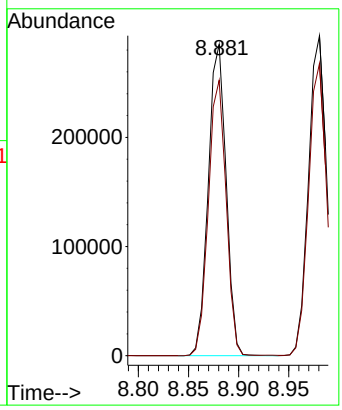


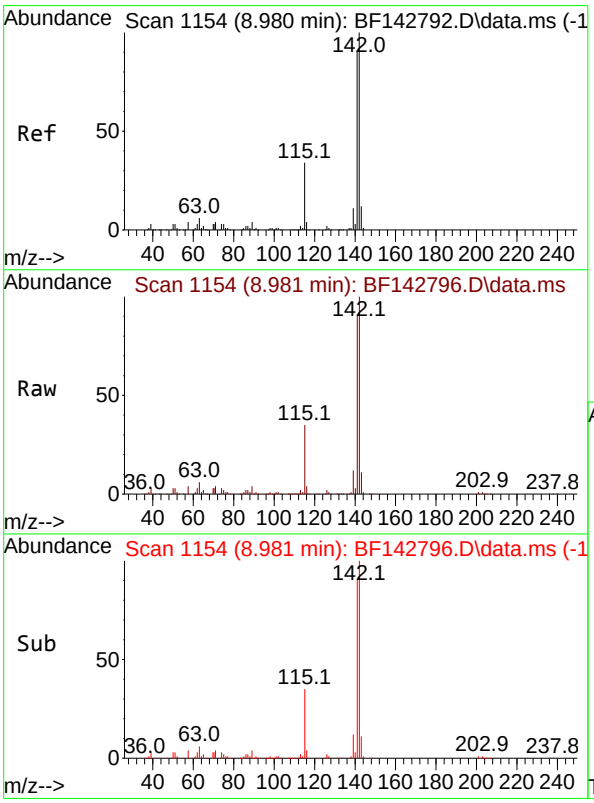
#37
2-Methylnaphthalene
Concen: 41.730 ng
RT: 8.881 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:142 Resp: 353484

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.9	106.3

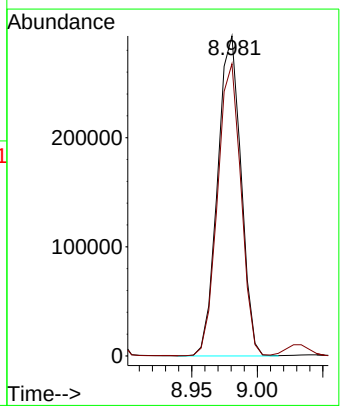


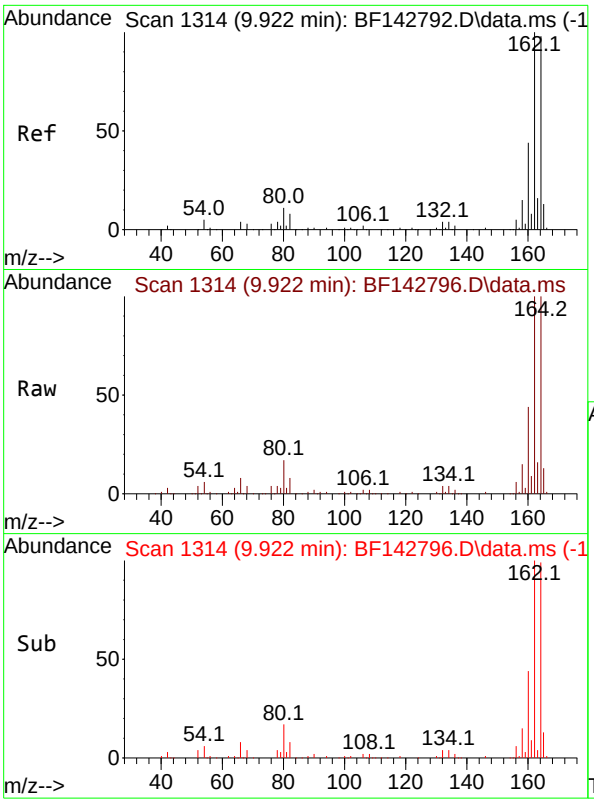


#38
1-Methylnaphthalene
Concen: 41.554 ng
RT: 8.981 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:142 Resp: 364378

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.0	109.4



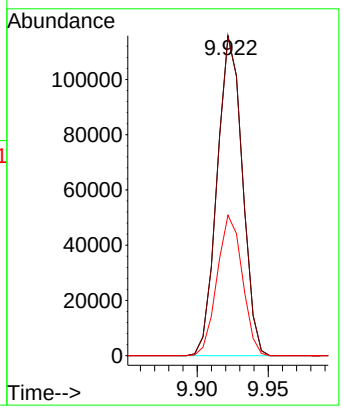


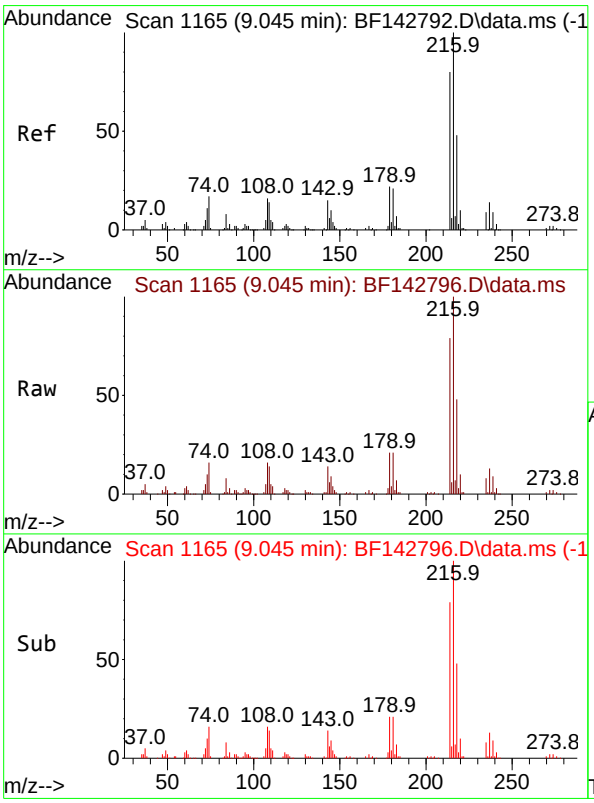
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:164 Resp: 142968

Ion	Ratio	Lower	Upper
164	100		
162	99.6	81.8	122.8
160	43.9	36.0	54.0

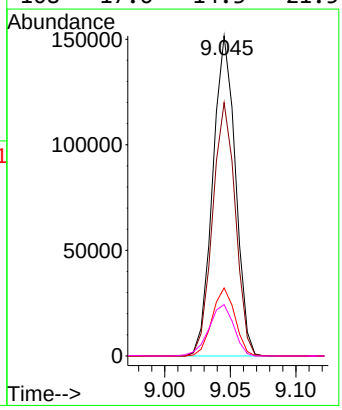


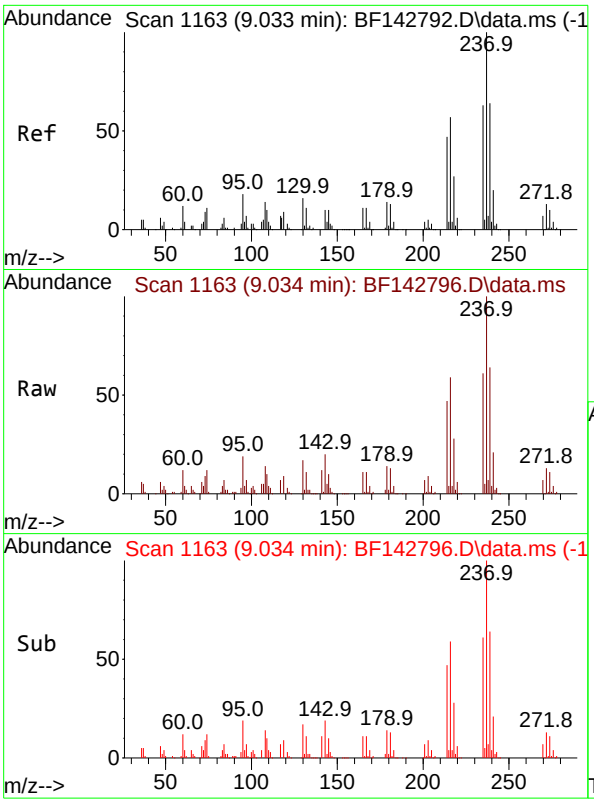


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.233 ng
RT: 9.045 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:216 Resp: 182379

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.7	95.5
179	21.3	17.6	26.4
108	17.6	14.3	21.5



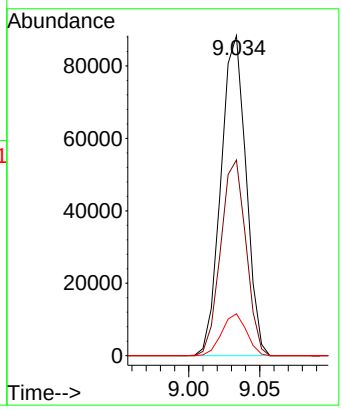


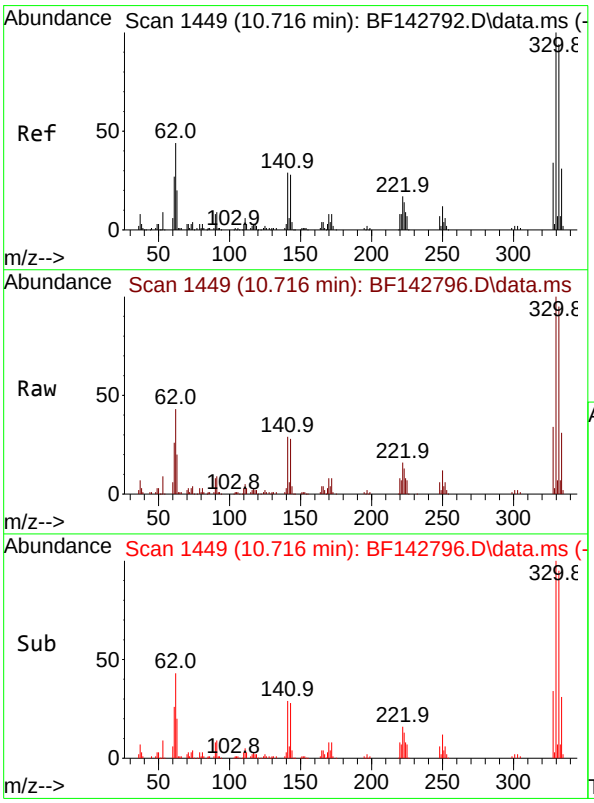
#41
Hexachlorocyclopentadiene
Concen: 45.361 ng
RT: 9.034 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:237 Resp: 108592

Ion	Ratio	Lower	Upper
237	100		
235	61.2	43.4	83.4
272	13.1	0.0	32.7

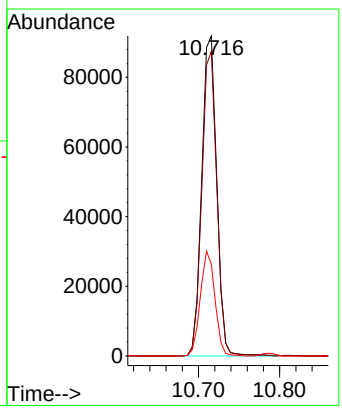


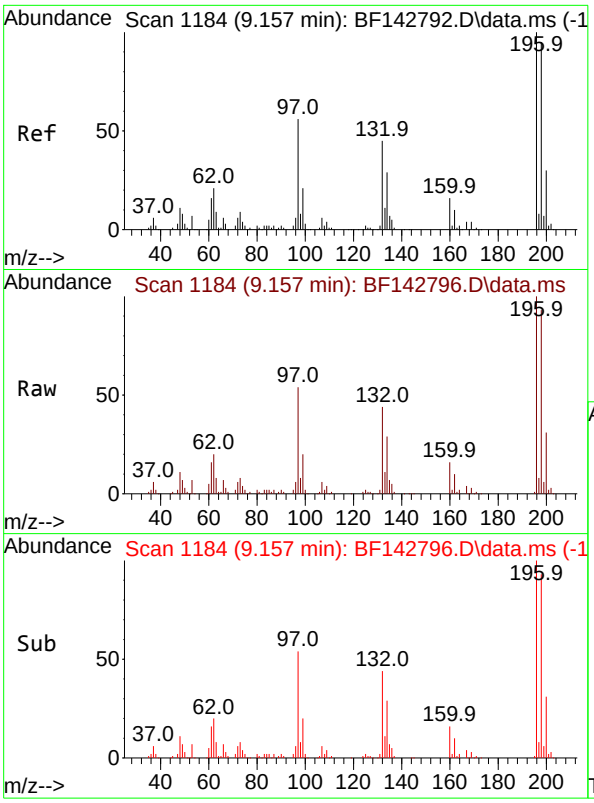


#42
2,4,6-Tribromophenol
Concen: 80.065 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:330 Resp: 117795

Ion	Ratio	Lower	Upper
330	100		
332	94.8	75.0	112.6
141	31.9	25.3	37.9



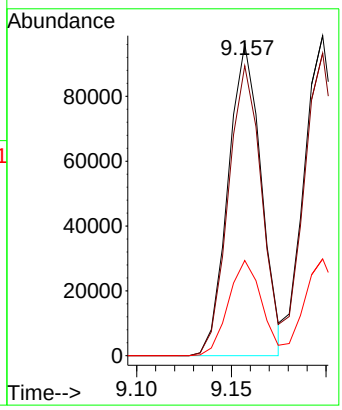


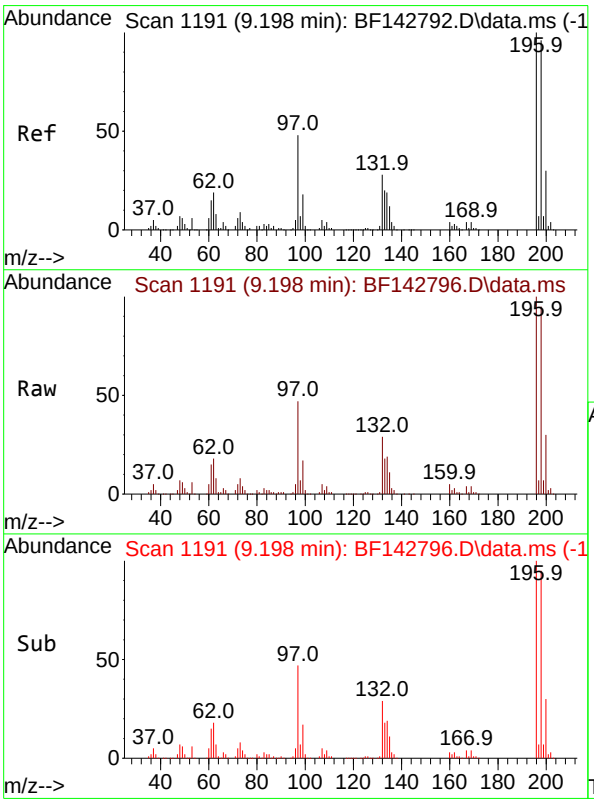
#43
2,4,6-Trichlorophenol
Concen: 42.543 ng
RT: 9.157 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:196 Resp: 116946

Ion	Ratio	Lower	Upper
196	100		
198	93.0	76.2	114.2
200	30.5	24.1	36.1

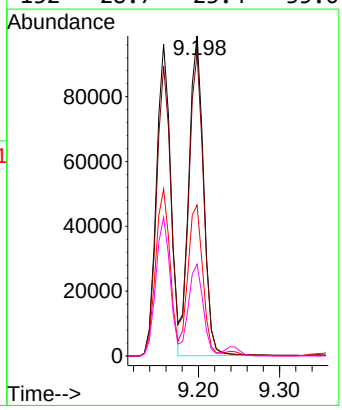


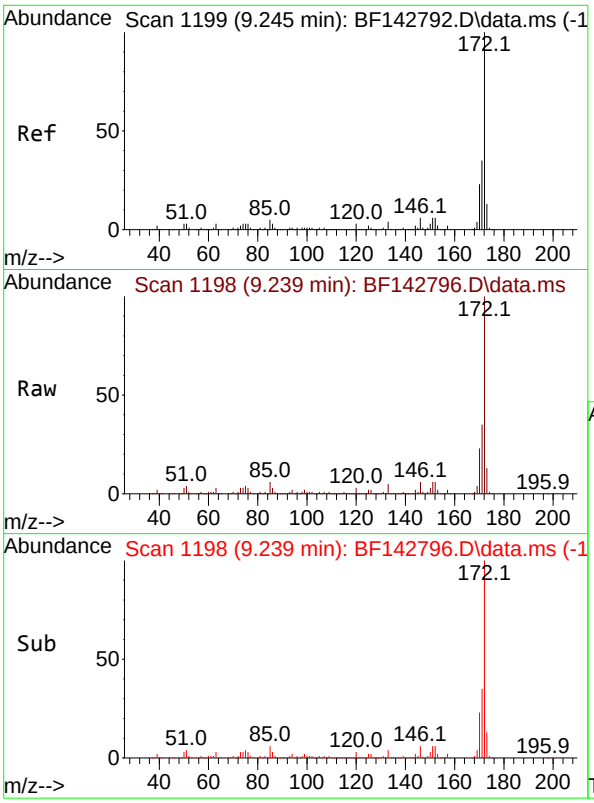


#44
2,4,5-Trichlorophenol
Concen: 43.045 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:196 Resp: 124558

Ion	Ratio	Lower	Upper
196	100		
198	94.5	76.6	115.0
97	47.1	38.2	57.2
132	28.7	23.4	35.0



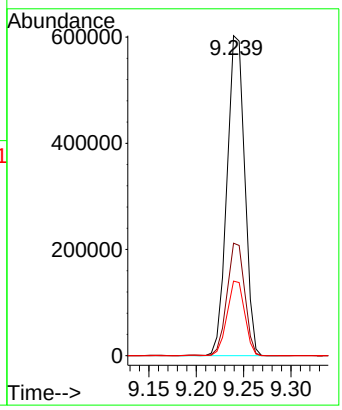


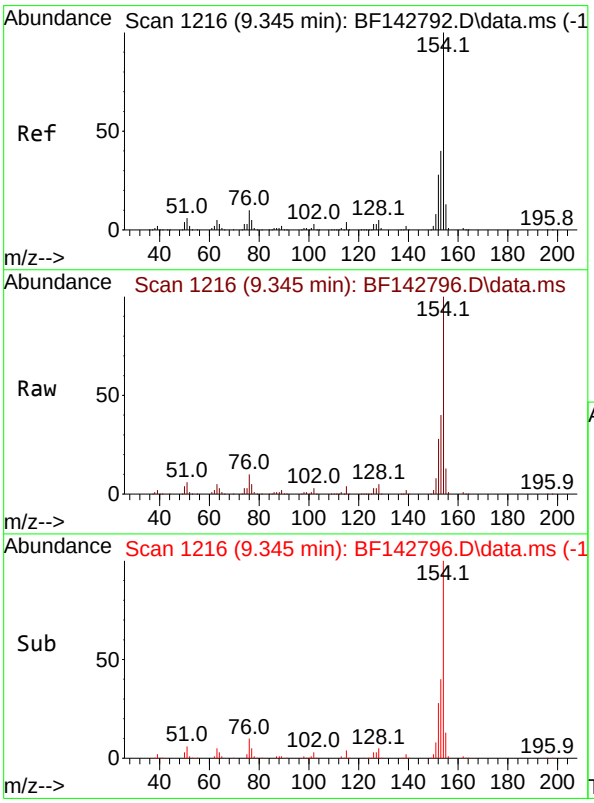
#45
2-Fluorobiphenyl
Concen: 72.171 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:172 Resp: 785440

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.4
170	23.3	18.5	27.7

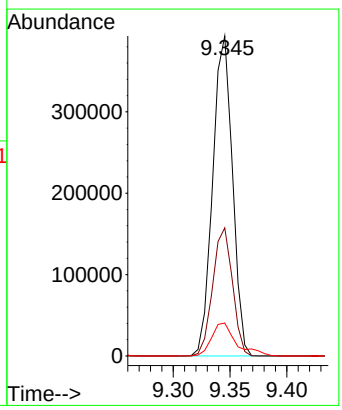


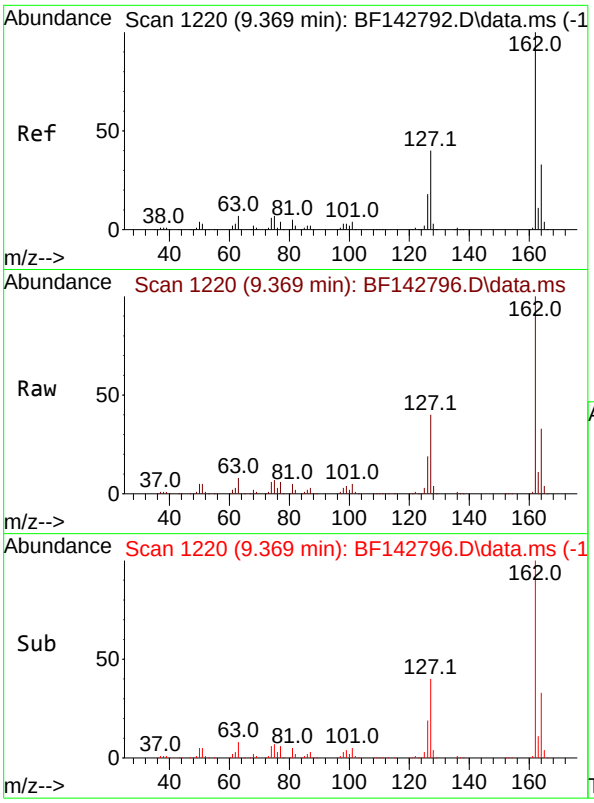


#46
1,1'-Biphenyl
Concen: 42.159 ng
RT: 9.345 min Scan# 1216
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:154 Resp: 476133

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.3	60.3
76	10.3	0.0	30.3



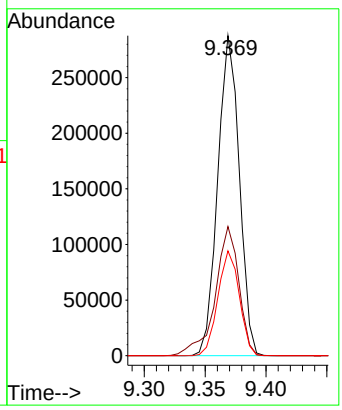


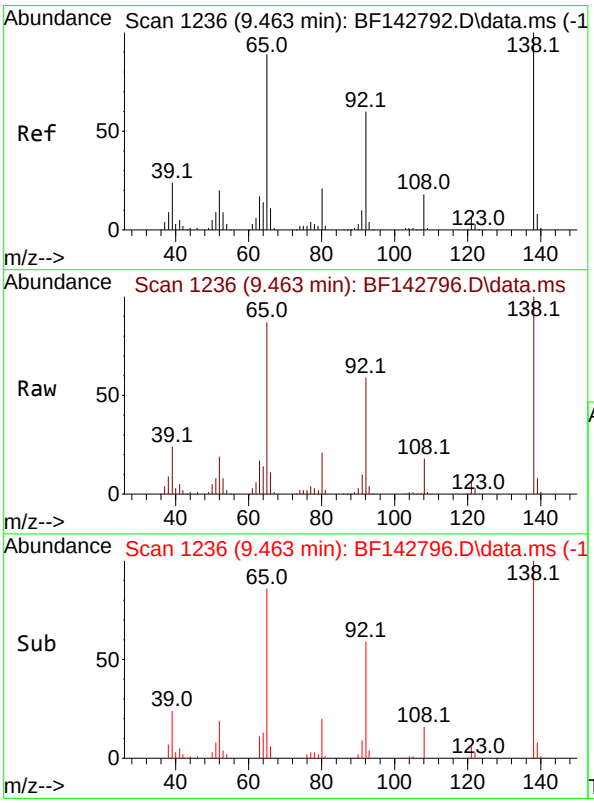
#47
2-Chloronaphthalene
Concen: 41.817 ng
RT: 9.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:162 Resp: 354405

Ion	Ratio	Lower	Upper
162	100		
127	40.4	32.2	48.2
164	32.8	26.1	39.1

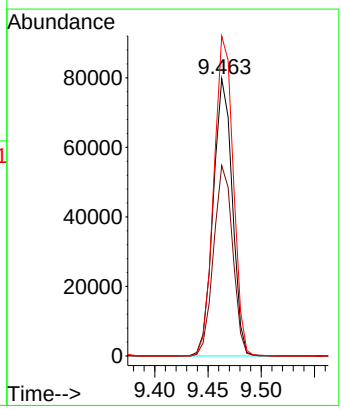


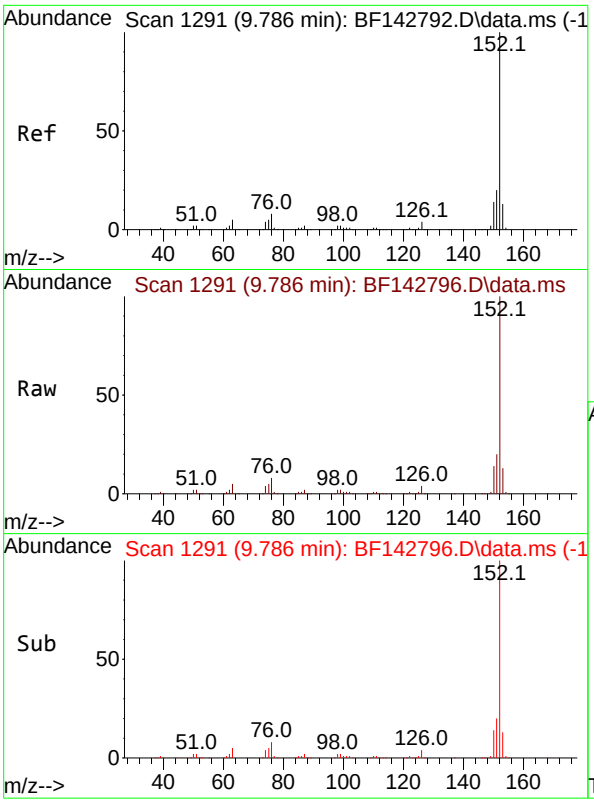


#48
2-Nitroaniline
Concen: 41.724 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion: 65 Resp: 99137

Ion	Ratio	Lower	Upper
65	100		
92	68.6	53.8	80.6
138	115.4	89.6	134.4



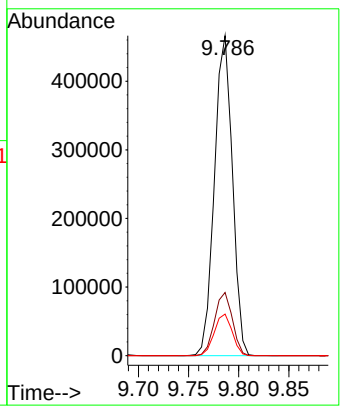


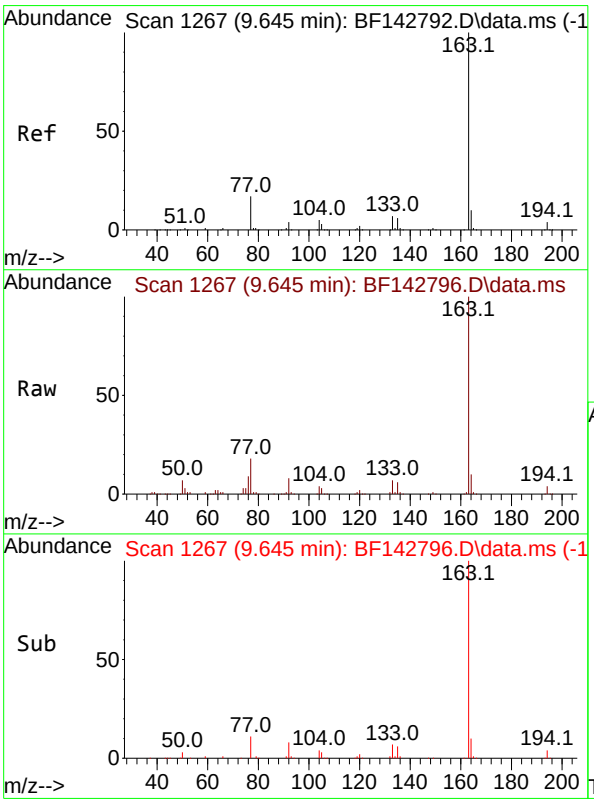
#49
Acenaphthylene
Concen: 41.586 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:152 Resp: 580204

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.1	24.1
153	13.0	10.4	15.6

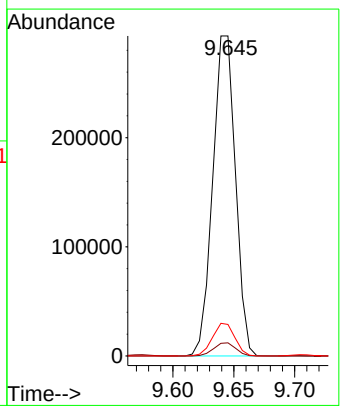


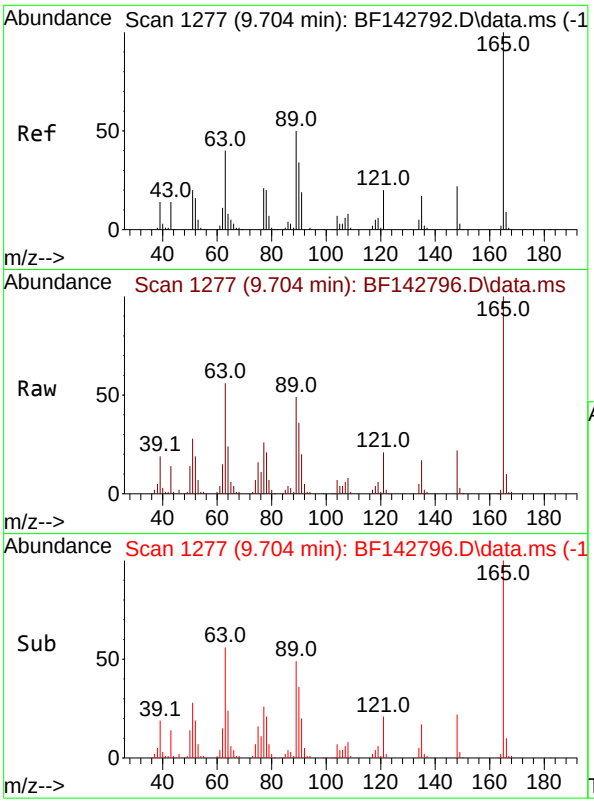


#50
Dimethylphthalate
Concen: 41.232 ng
RT: 9.645 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:163 Resp: 381573

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	9.9	8.0	12.0



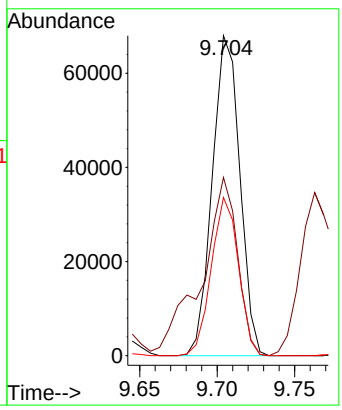


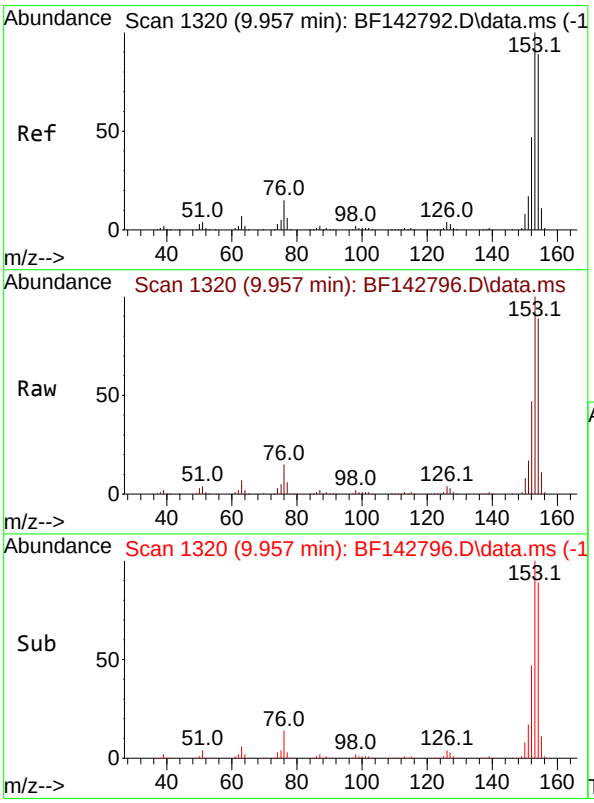
#51
2,6-Dinitrotoluene
Concen: 41.386 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:165 Resp: 84111

Ion	Ratio	Lower	Upper
165	100		
63	55.7	44.2	66.4
89	49.5	39.8	59.8

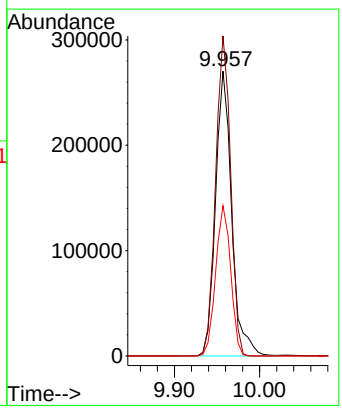


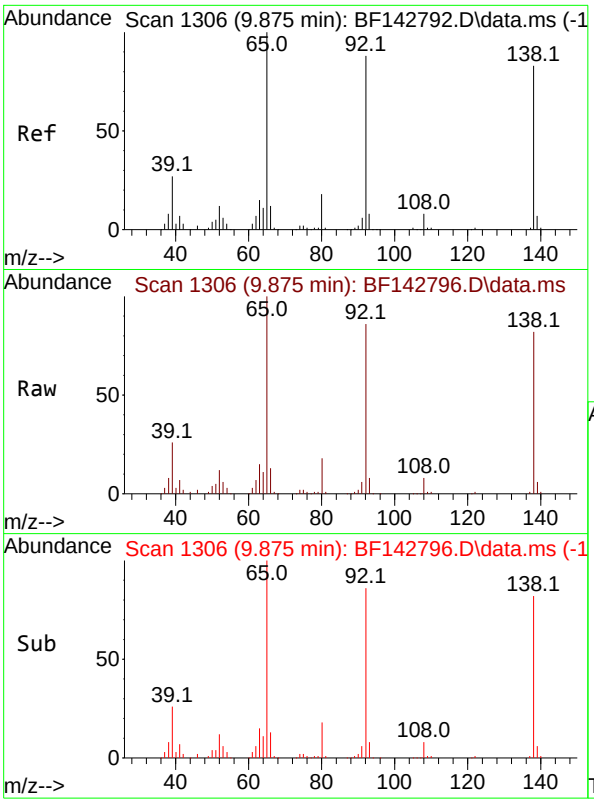


#52
Acenaphthene
Concen: 41.825 ng
RT: 9.957 min Scan# 1320
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:154 Resp: 356031

Ion	Ratio	Lower	Upper
154	100		
153	112.4	90.0	135.0
152	52.8	41.9	62.9



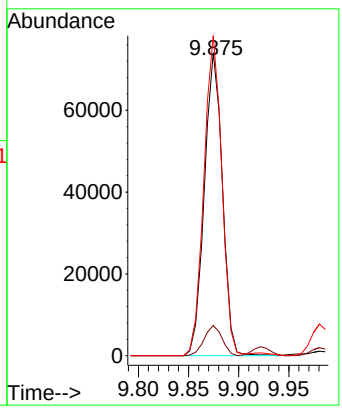


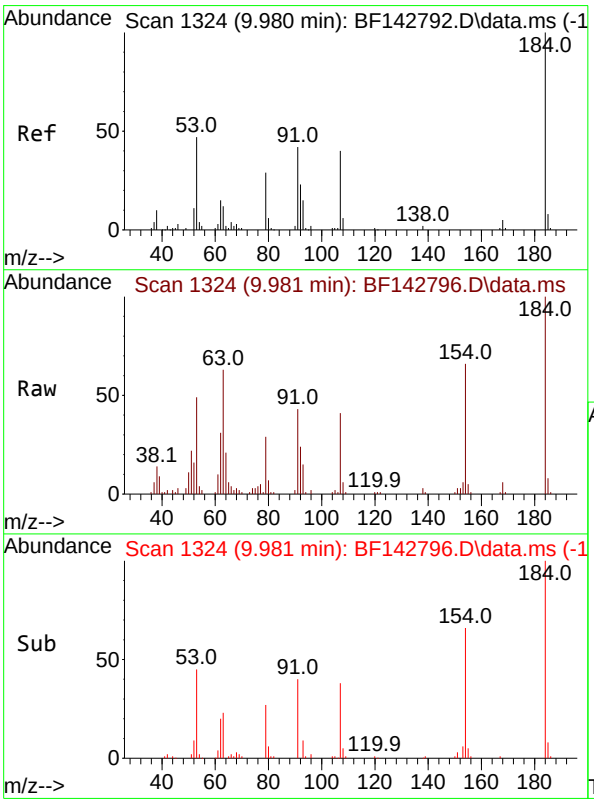
#53
3-Nitroaniline
Concen: 41.512 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:138 Resp: 92889

Ion	Ratio	Lower	Upper
138	100		
108	10.0	8.1	12.1
92	105.6	85.1	127.7

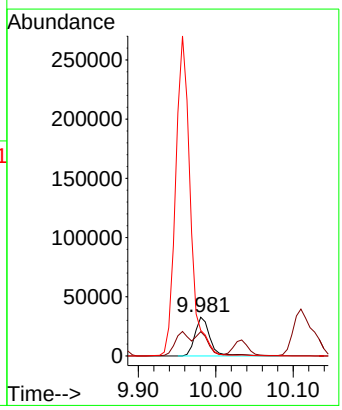


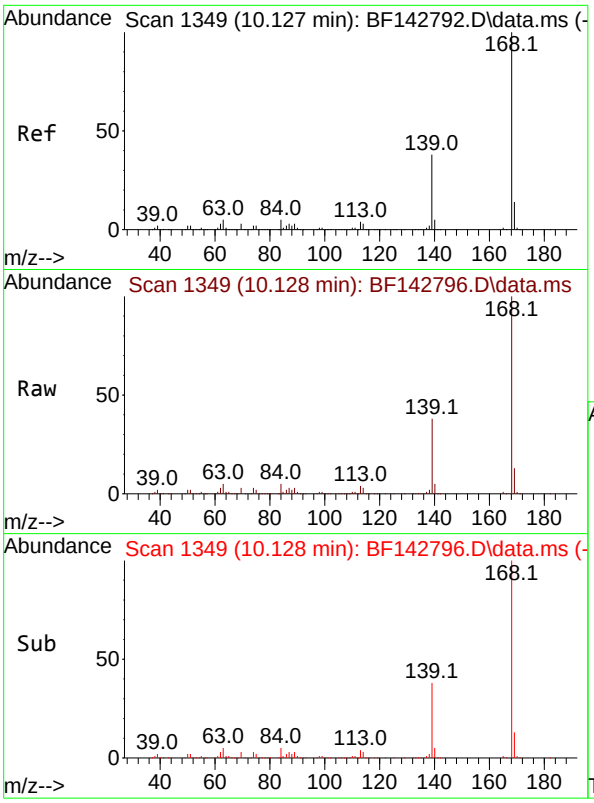


#54
2,4-Dinitrophenol
Concen: 43.742 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:184 Resp: 44513

Ion	Ratio	Lower	Upper
184	100		
63	62.8	50.6	75.8
154	66.3	51.8	77.8



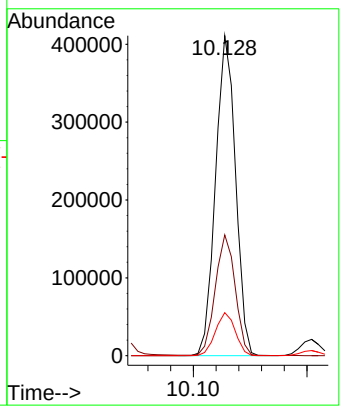


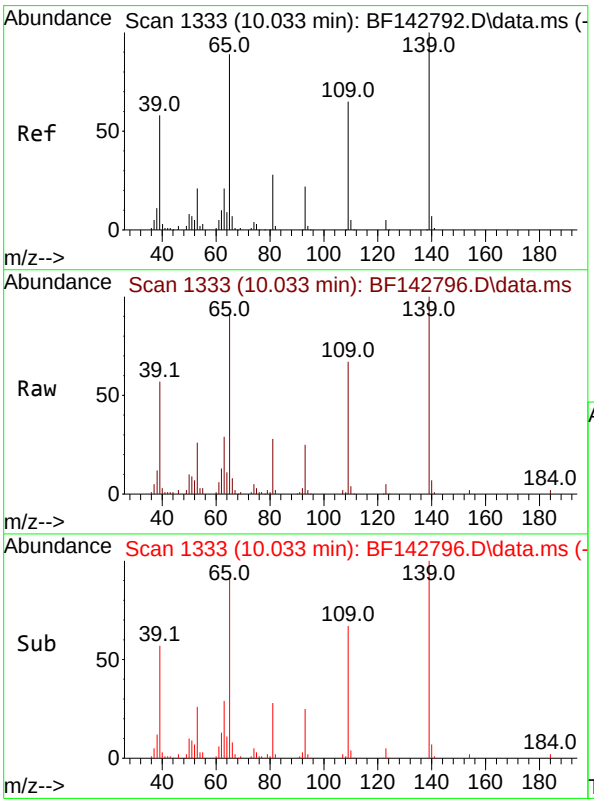
#55
Dibenzofuran
Concen: 41.150 ng
RT: 10.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:168 Resp: 502290

Ion	Ratio	Lower	Upper
168	100		
139	37.7	30.2	45.4
169	13.4	10.8	16.2

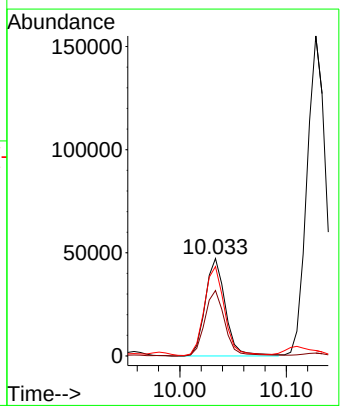


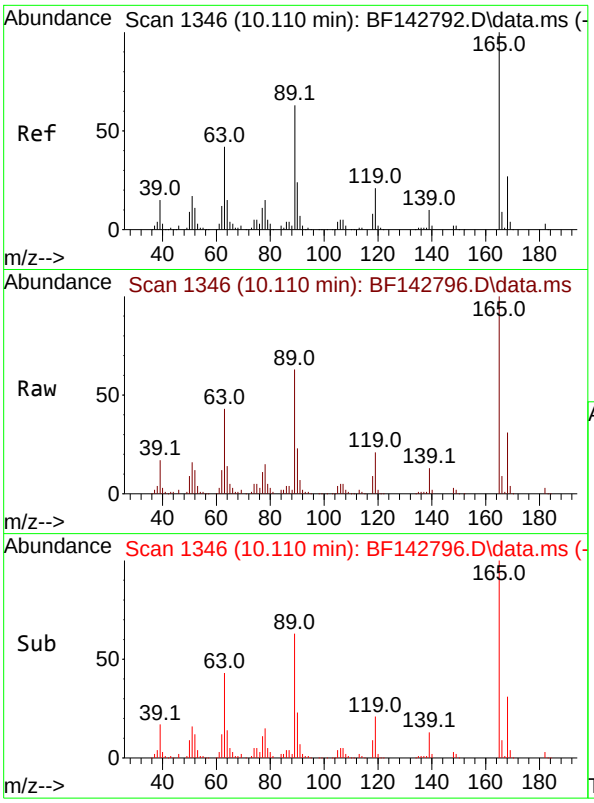


#56
4-Nitrophenol
Concen: 40.556 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:139 Resp: 62127

Ion	Ratio	Lower	Upper
139	100		
109	67.2	44.7	84.7
65	91.8	69.8	109.8



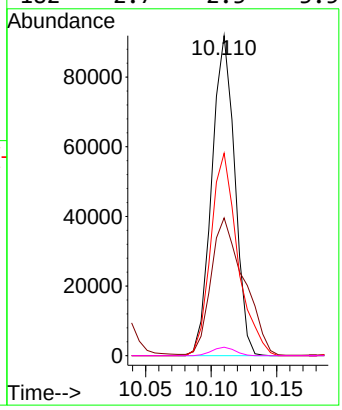


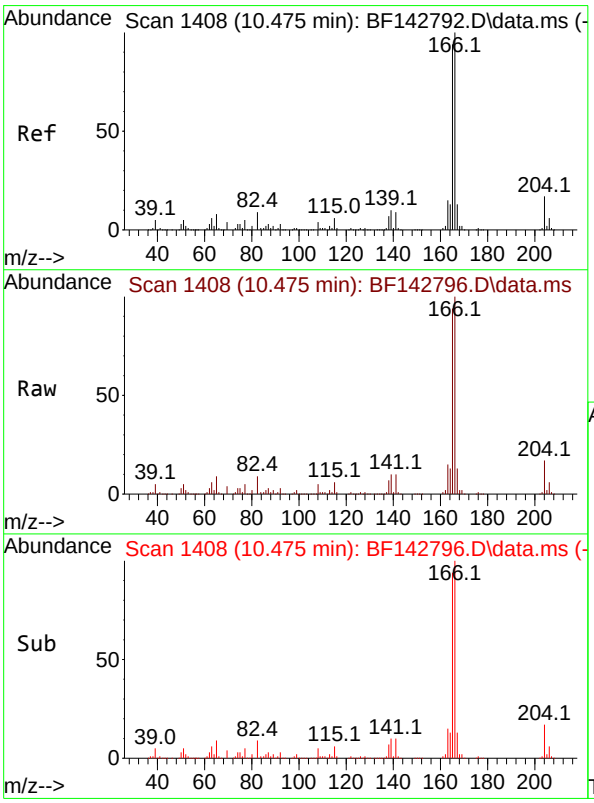
#57
2,4-Dinitrotoluene
Concen: 41.358 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:165 Resp: 111649

Ion	Ratio	Lower	Upper
165	100		
63	43.0	33.9	50.9
89	63.3	50.6	75.8
182	2.7	2.3	3.5

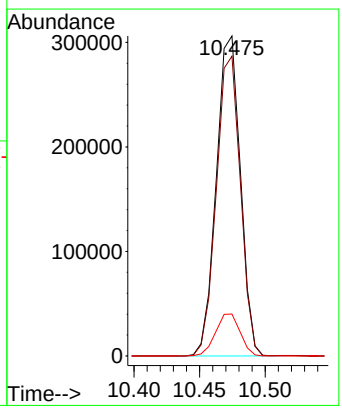


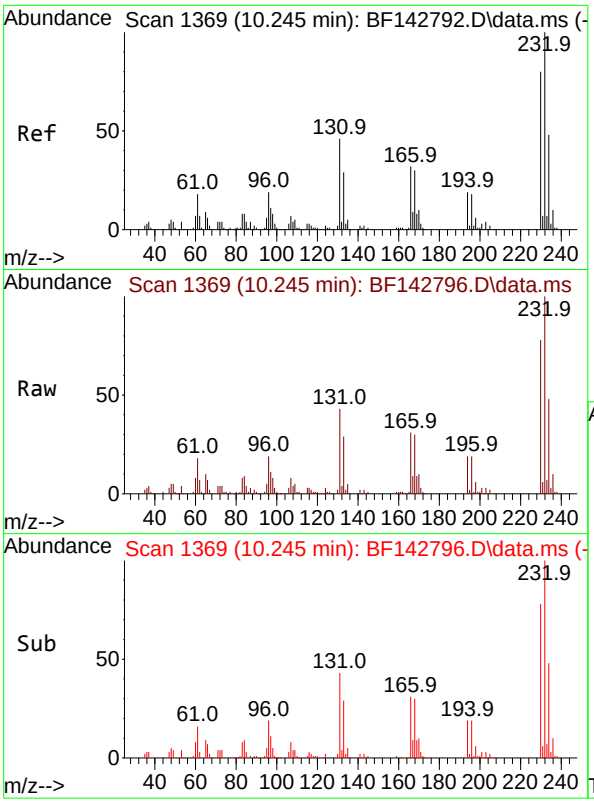


#58
Fluorene
Concen: 41.052 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:166 Resp: 391356

Ion	Ratio	Lower	Upper
166	100		
165	93.7	75.2	112.8
167	13.1	10.6	15.8



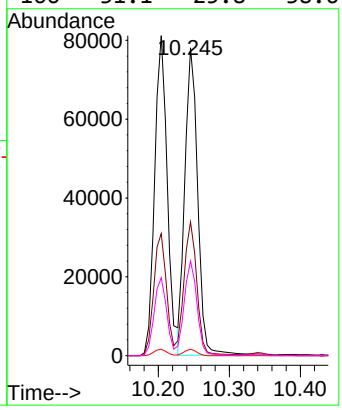


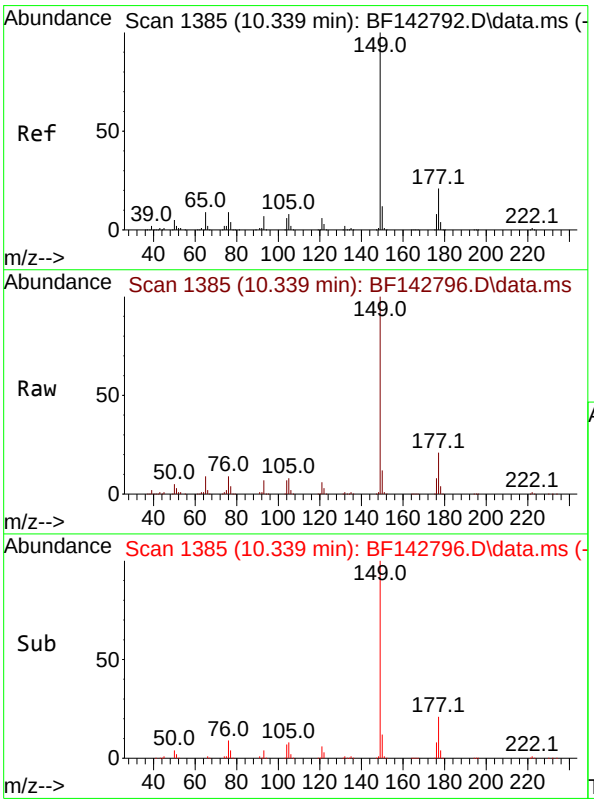
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.857 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:232 Resp: 97630

Ion	Ratio	Lower	Upper
232	100		
131	44.4	37.6	56.4
130	2.1	1.7	2.5
166	31.1	25.8	38.6

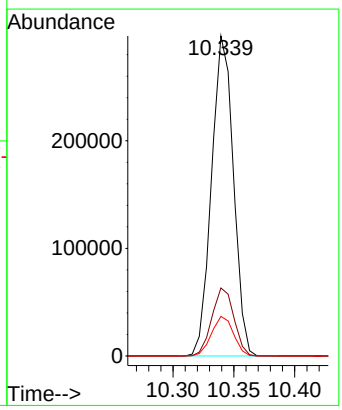


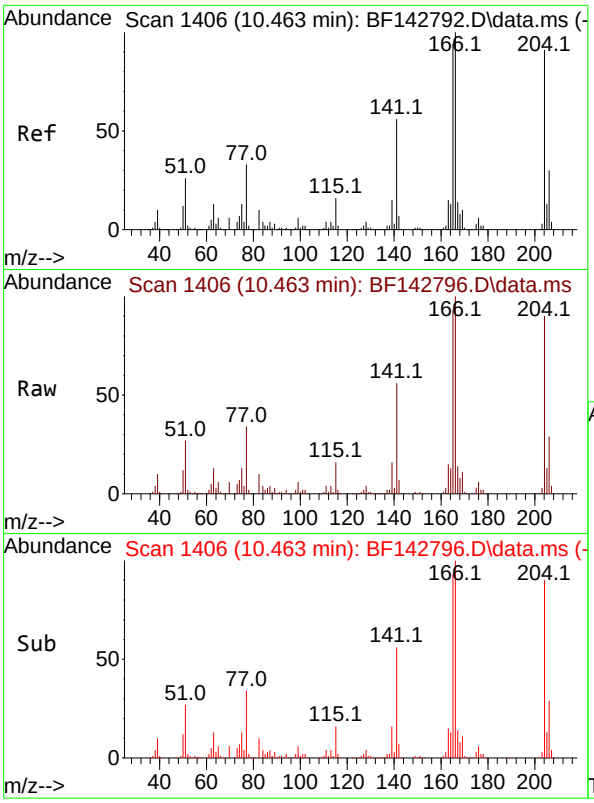


#60
Diethylphthalate
Concen: 40.937 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:149 Resp: 371453

Ion	Ratio	Lower	Upper
149	100		
177	21.2	17.0	25.6
150	12.4	9.8	14.6



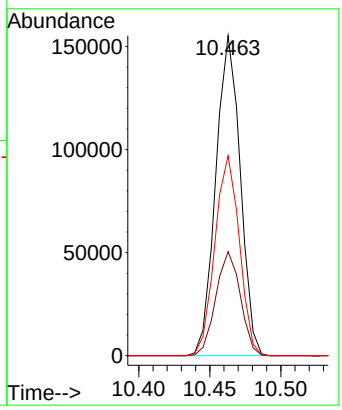


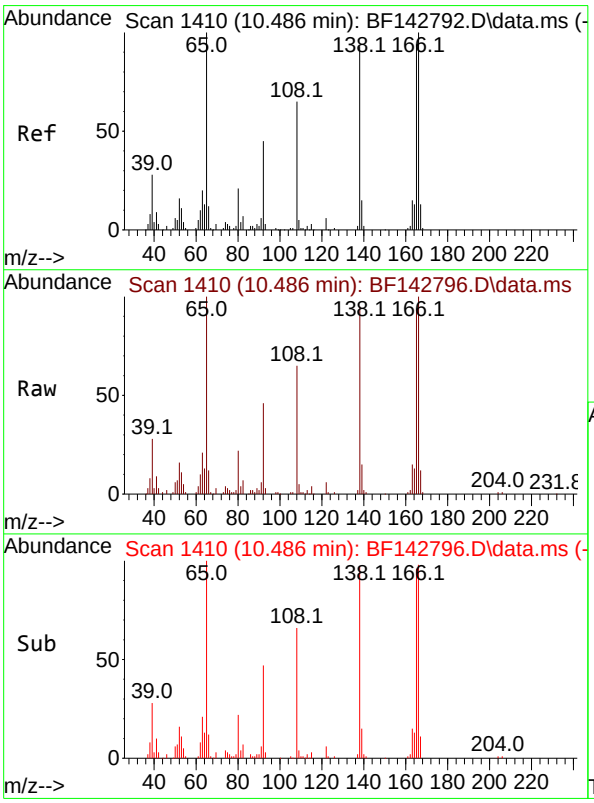
#61
4-Chlorophenyl-phenylether
Concen: 40.862 ng
RT: 10.463 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:204 Resp: 185884

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.3	39.5
141	62.5	49.1	73.7

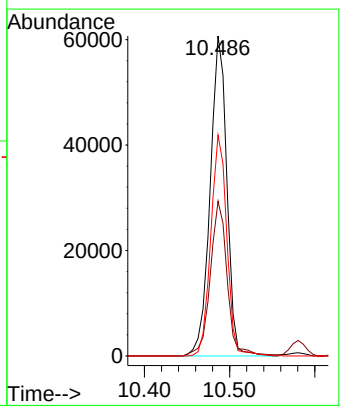


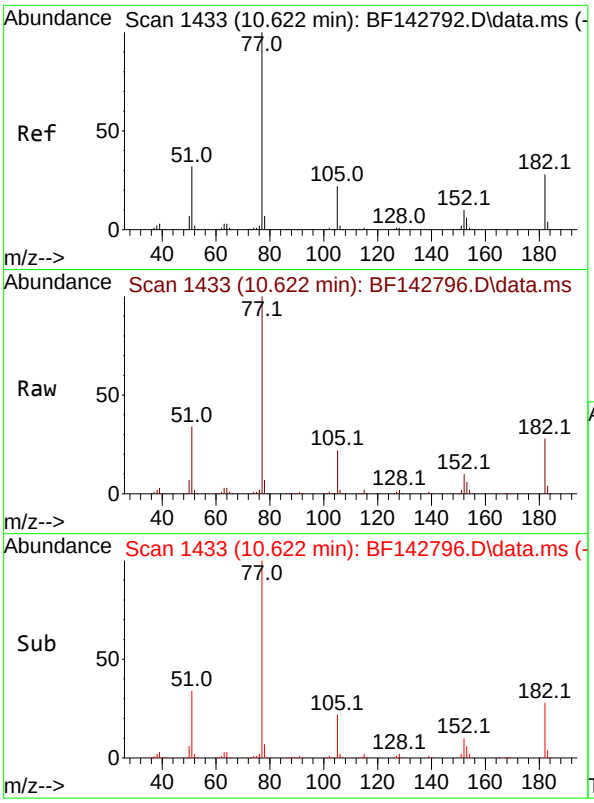


#62
4-Nitroaniline
Concen: 40.628 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:138 Resp: 83143

Ion	Ratio	Lower	Upper
138	100		
92	48.4	28.4	68.4
108	69.0	50.2	90.2



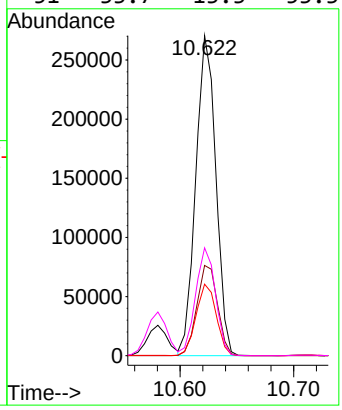


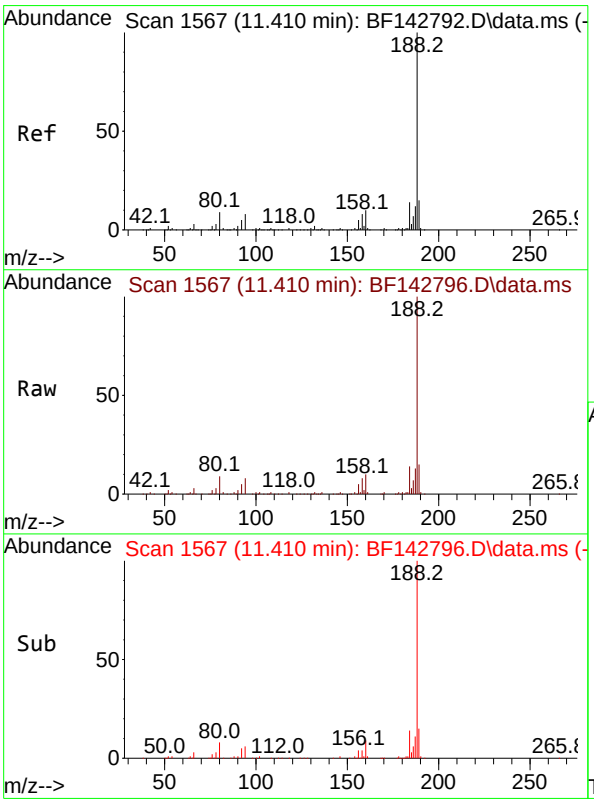
#63
Azobenzene
Concen: 41.025 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion: 77 Resp: 332701

Ion	Ratio	Lower	Upper
77	100		
182	28.2	7.7	47.7
105	22.4	1.9	41.9
51	33.7	13.3	53.3

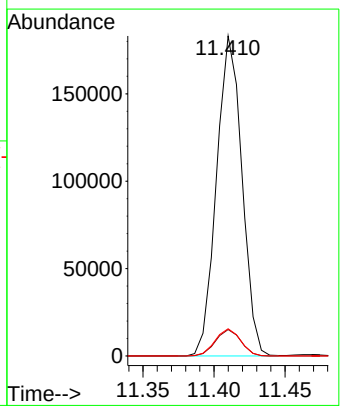


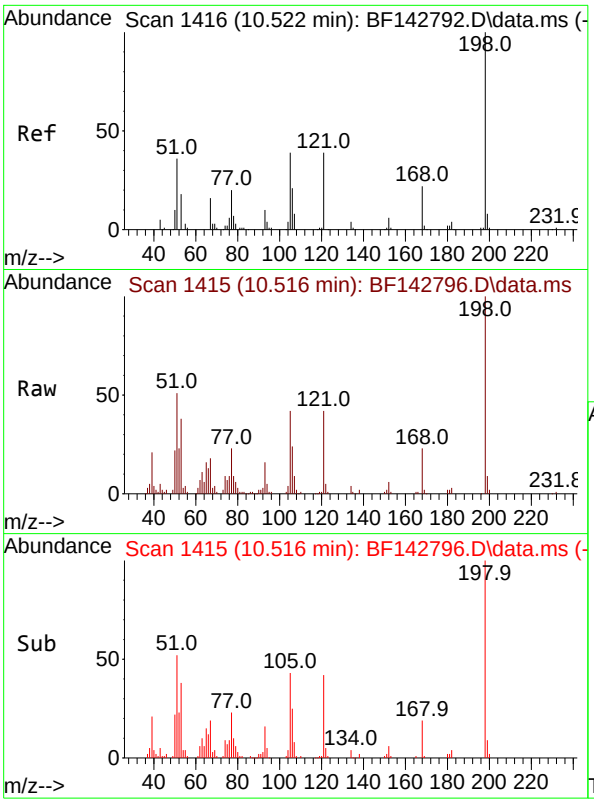


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:188 Resp: 228099

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.7	10.1
80	8.5	6.9	10.3



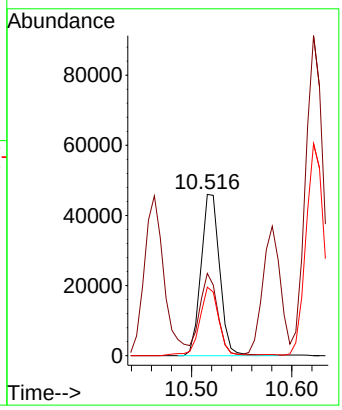


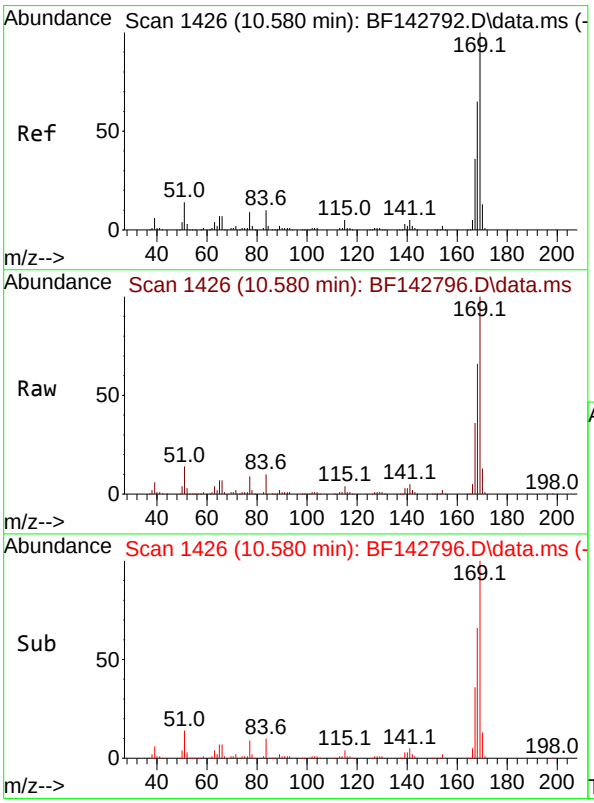
#65
4,6-Dinitro-2-methylphenol
Concen: 43.341 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:198 Resp: 59797

Ion	Ratio	Lower	Upper
198	100		
51	51.0	25.4	65.4
105	42.5	20.4	60.4

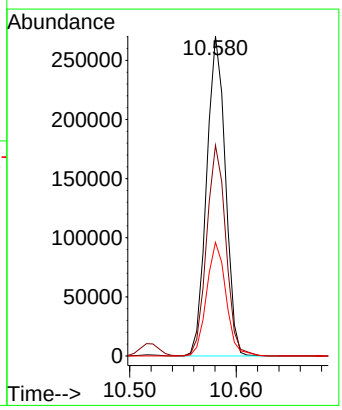


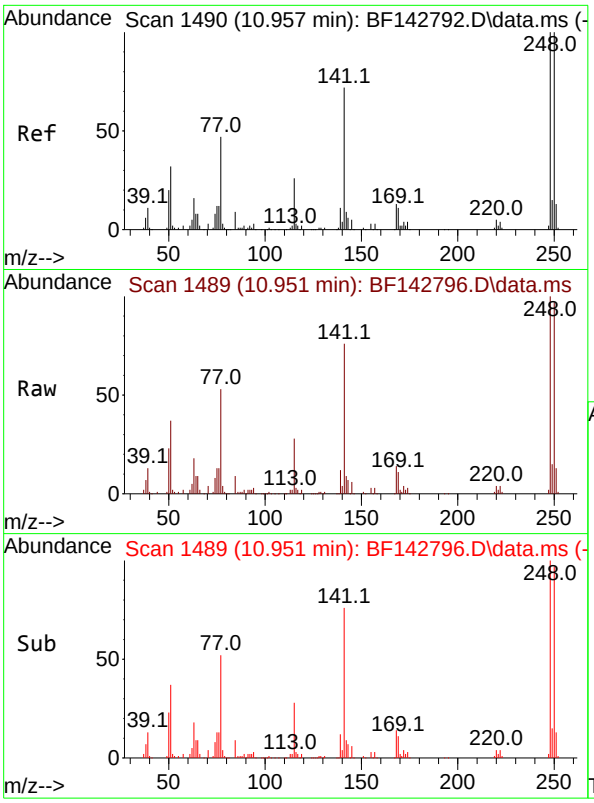


#66
n-Nitrosodiphenylamine
Concen: 41.955 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:169 Resp: 331671

Ion	Ratio	Lower	Upper
169	100		
168	65.8	51.9	77.9
167	35.5	28.5	42.7



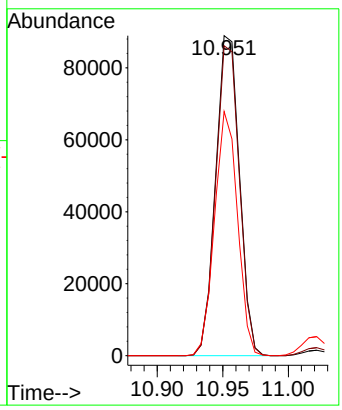


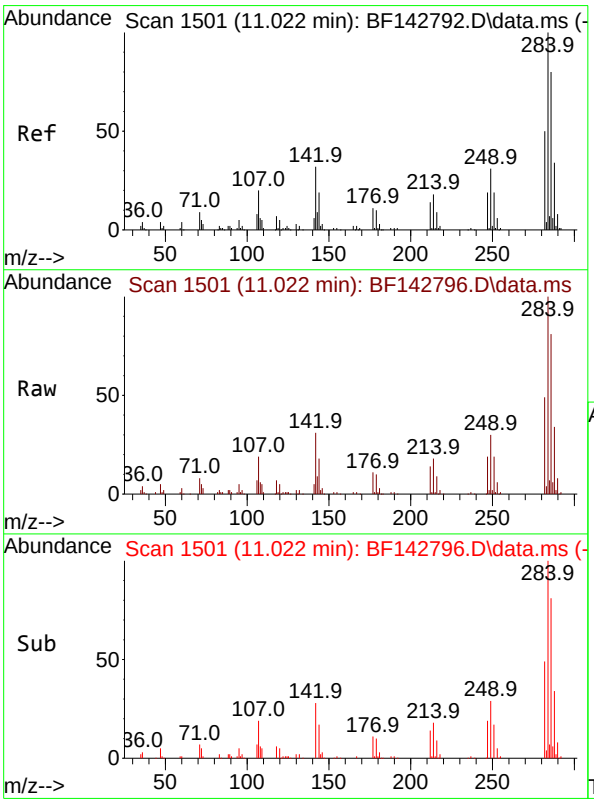
#67
4-Bromophenyl-phenylether
Concen: 43.376 ng
RT: 10.951 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:248 Resp: 112604

Ion	Ratio	Lower	Upper
248	100		
250	96.8	79.8	119.8
141	76.3	57.8	86.6

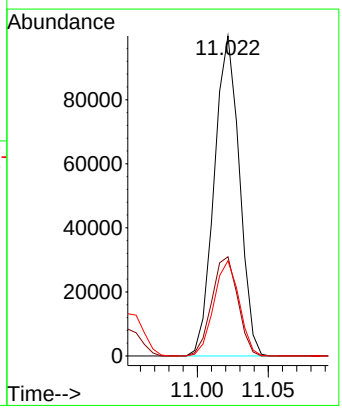


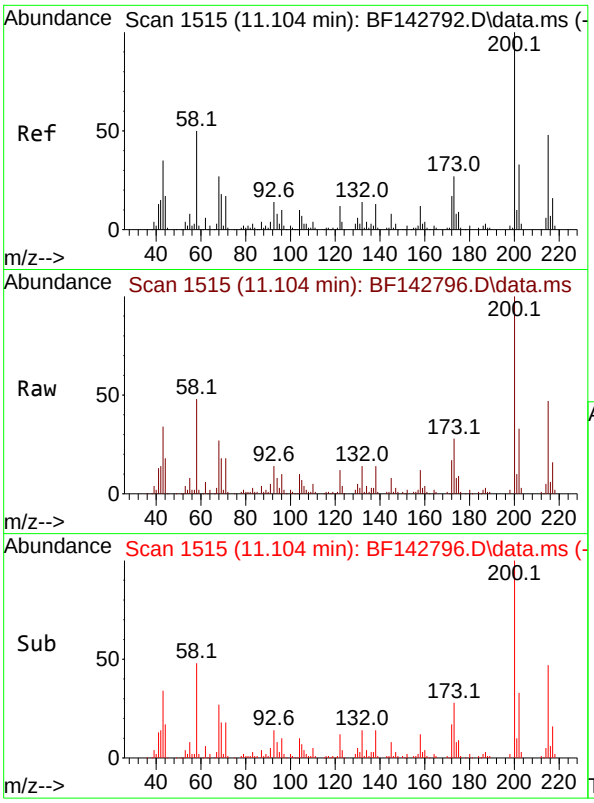


#68
Hexachlorobenzene
Concen: 42.632 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:284 Resp: 122976

Ion	Ratio	Lower	Upper
284	100		
142	31.0	25.5	38.3
249	29.8	24.9	37.3



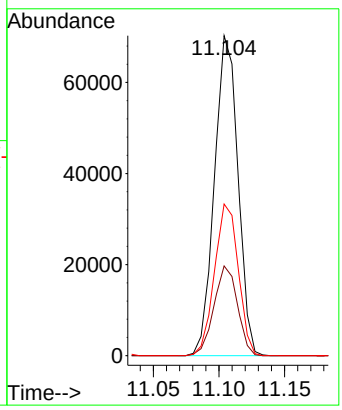


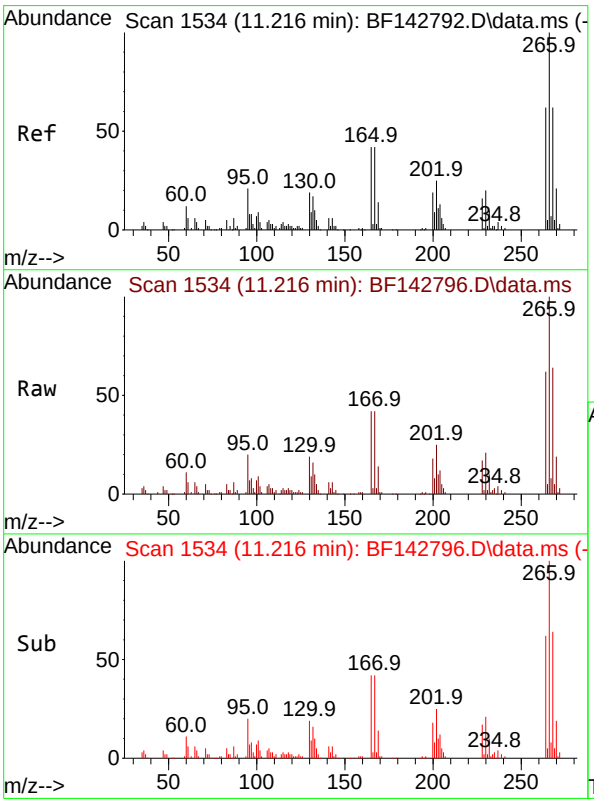
#69
Atrazine
Concen: 42.840 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:200 Resp: 87455

Ion	Ratio	Lower	Upper
200	100		
173	28.0	7.4	47.4
215	47.4	28.4	68.4

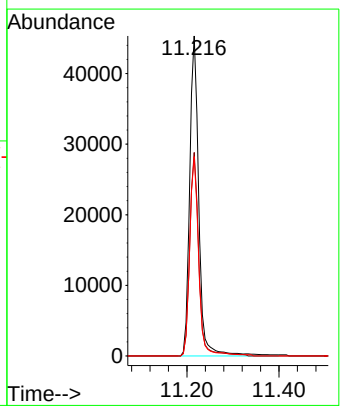


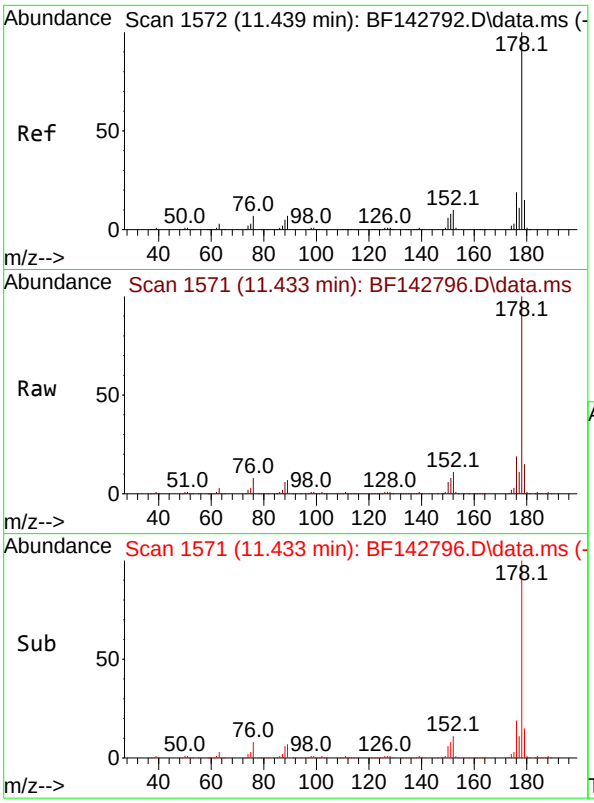


#70
Pentachlorophenol
Concen: 43.337 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:266 Resp: 62292

Ion	Ratio	Lower	Upper
266	100		
268	63.6	49.8	74.8
264	62.3	49.9	74.9



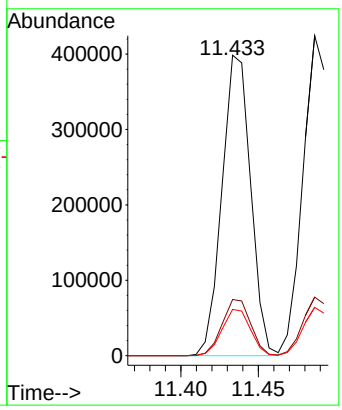


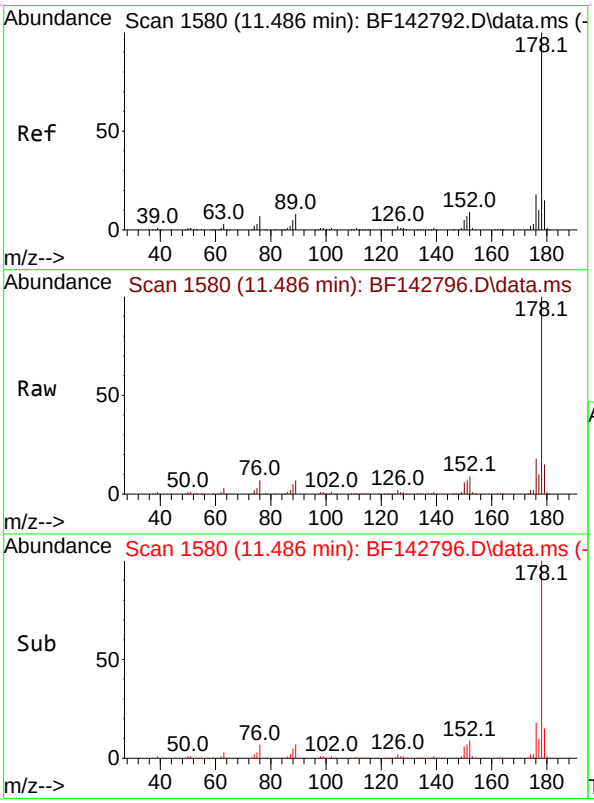
#71
Phenanthrene
Concen: 41.603 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:178 Resp: 514049

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.4	12.0	18.0

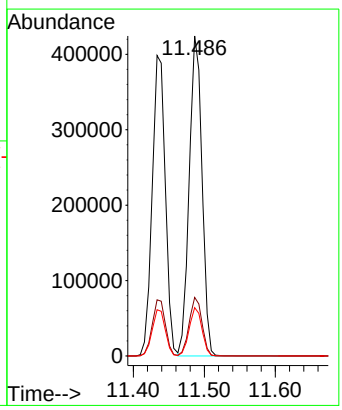


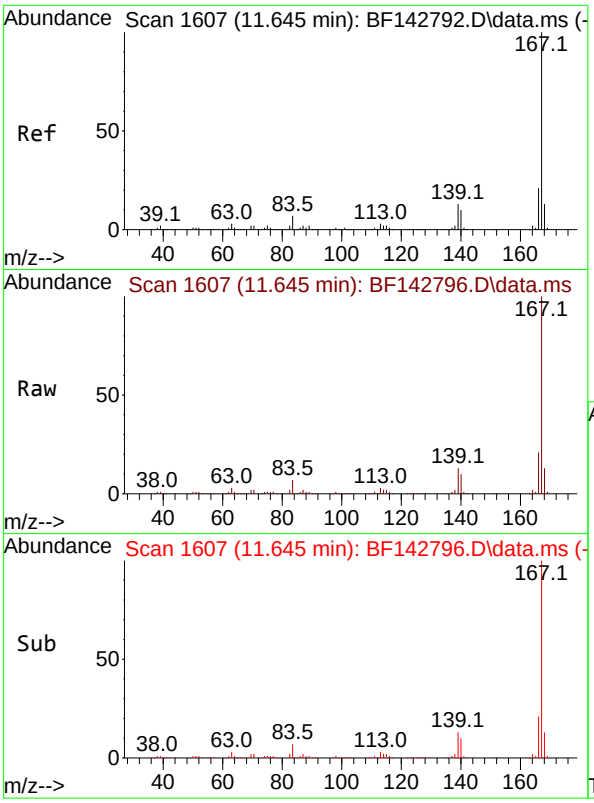


#72
Anthracene
Concen: 42.013 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:178 Resp: 532397

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	15.1	12.4	18.6



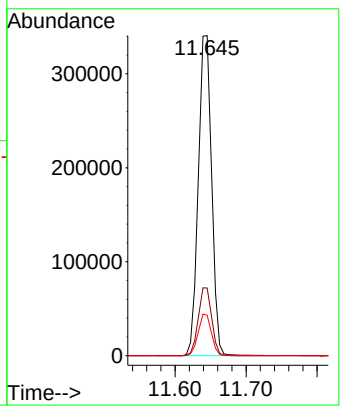


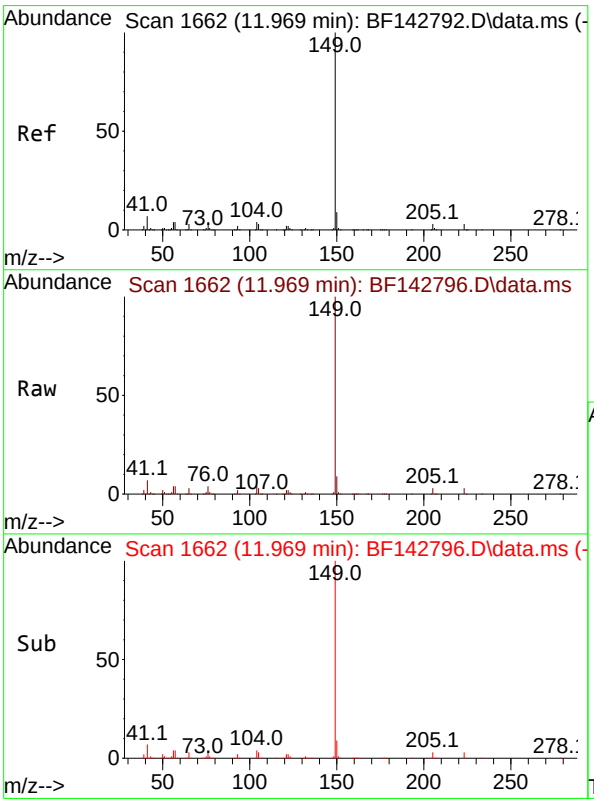
#73
Carbazole
Concen: 40.858 ng
RT: 11.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:167 Resp: 446814

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.4
139	12.7	10.2	15.2

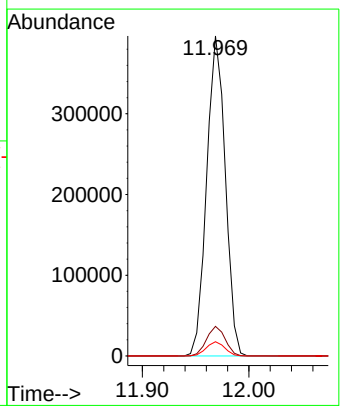


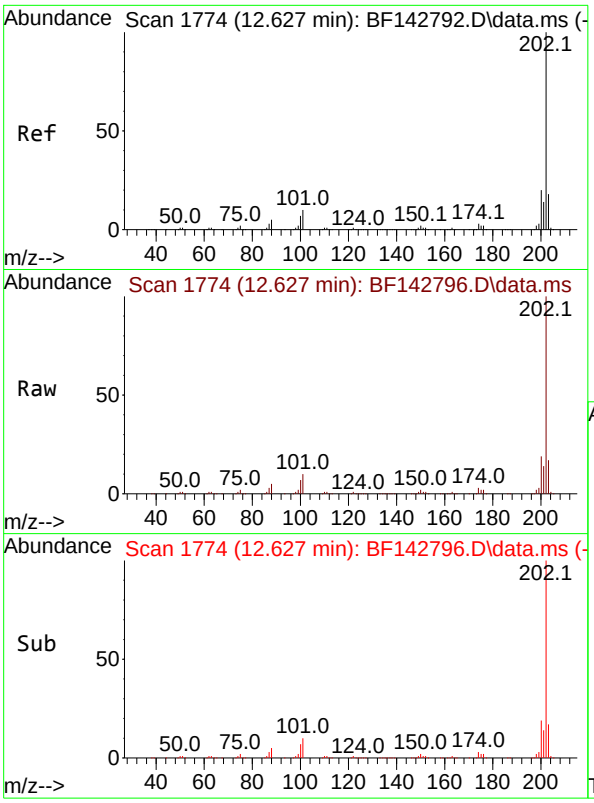


#74
Di-n-butylphthalate
Concen: 42.228 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:149 Resp: 481078

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	4.5	3.5	5.3



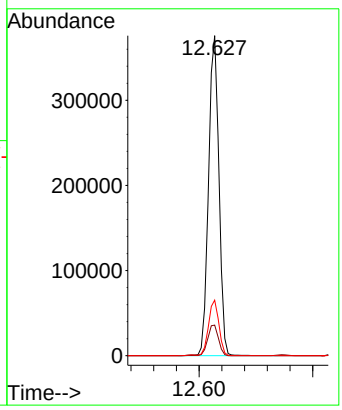


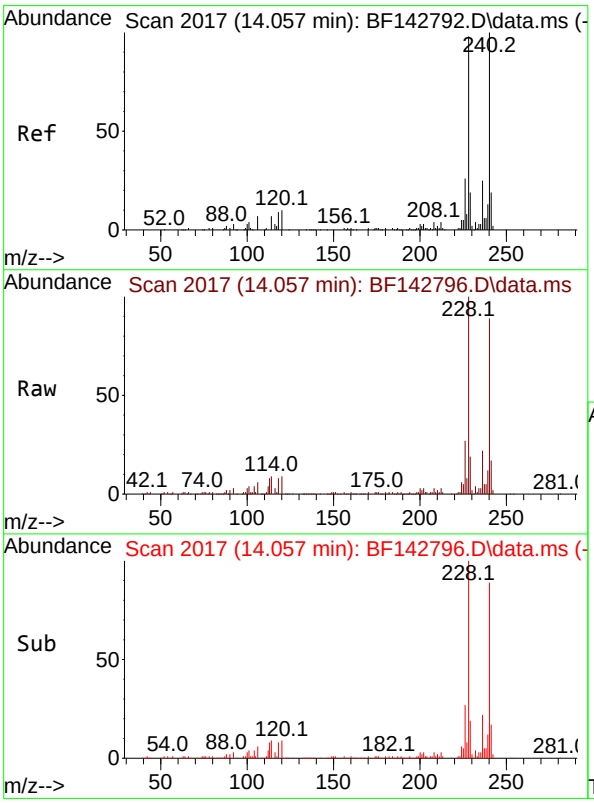
#75
Fluoranthene
Concen: 40.372 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:202 Resp: 473431

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	29.7
203	17.3	0.0	37.5

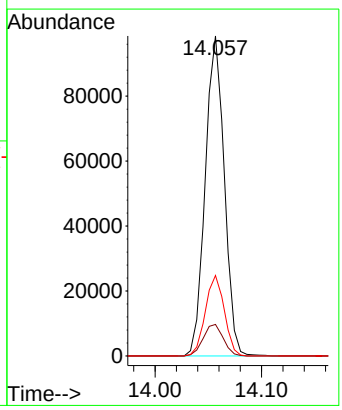


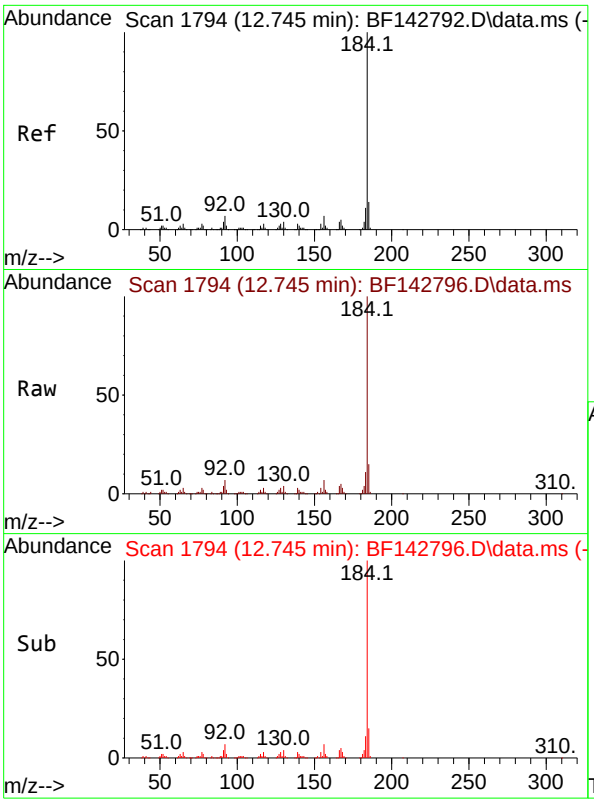


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:240 Resp: 122573

Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.2	12.2
236	25.2	19.8	29.8



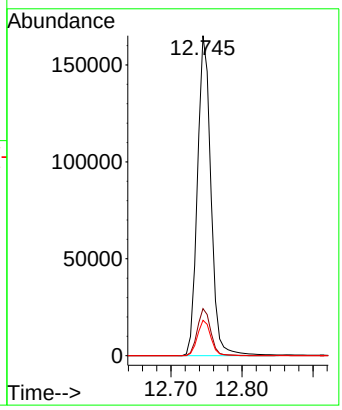


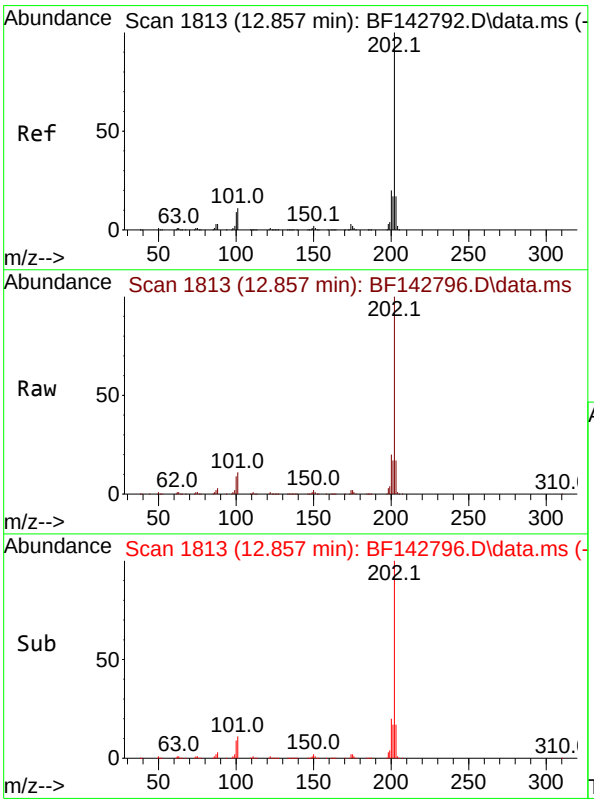
#77
Benzidine
Concen: 47.530 ng
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:184 Resp: 218884

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.5	17.3
183	11.0	9.0	13.4

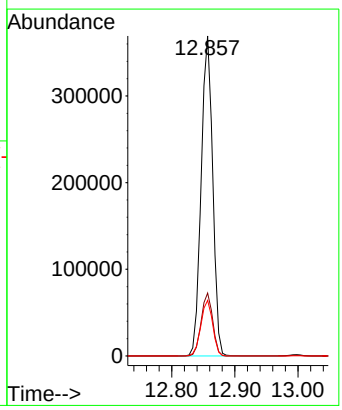


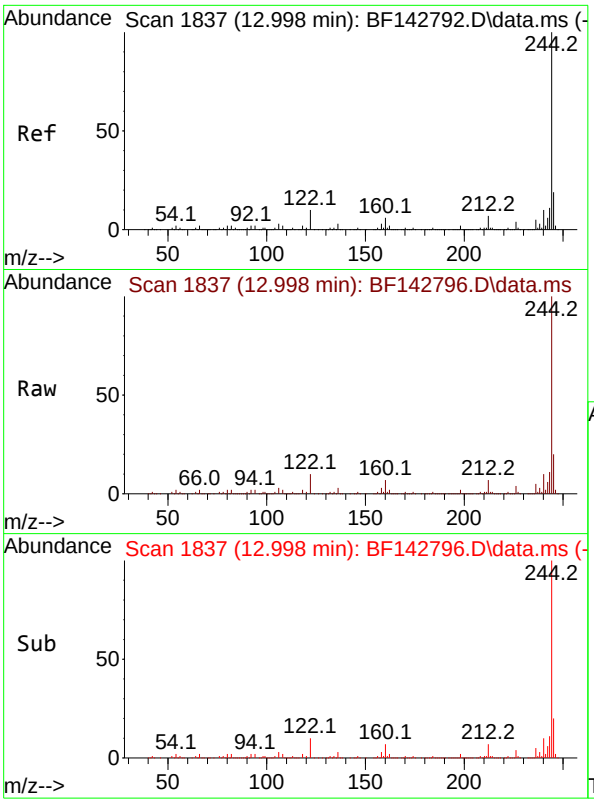


#78
Pyrene
Concen: 40.794 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:202 Resp: 468692

Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.7	23.5
203	17.4	13.8	20.6



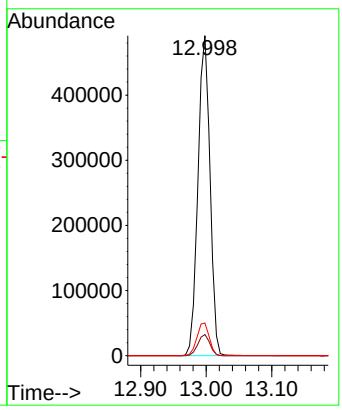


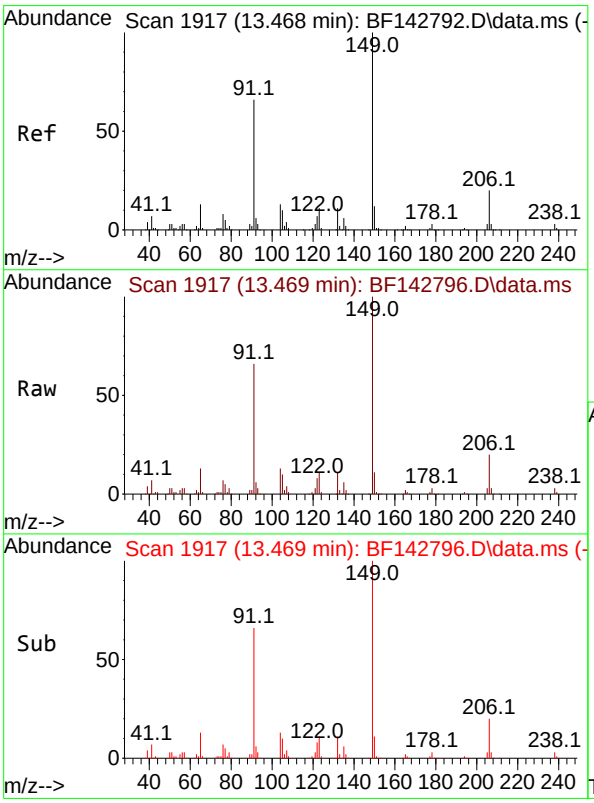
#79
Terphenyl-d14
Concen: 70.839 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:244 Resp: 628420

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.2	8.2	12.2

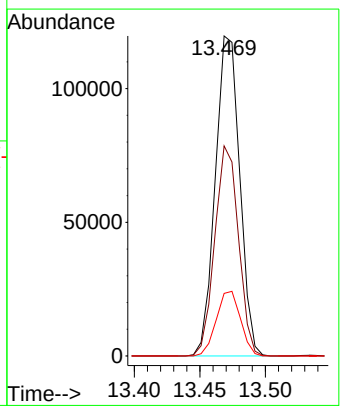


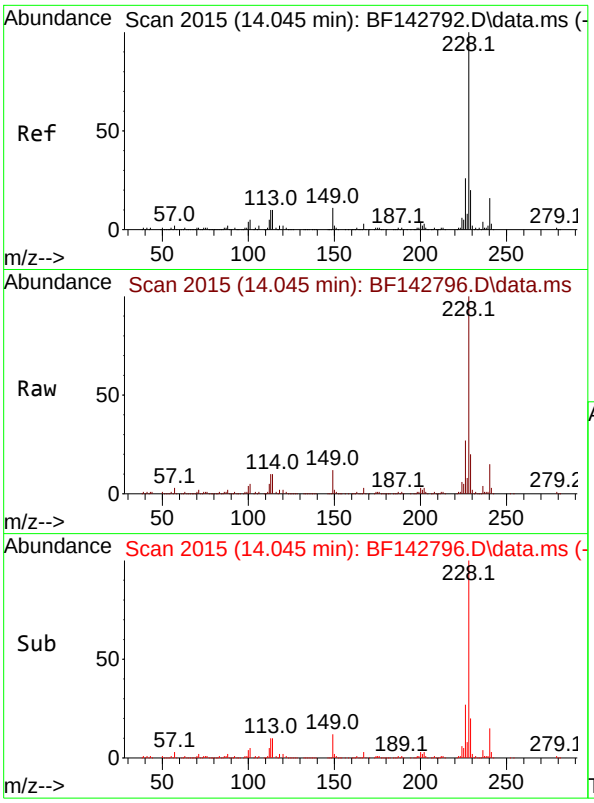


#80
Butylbenzylphthalate
Concen: 46.431 ng
RT: 13.469 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:149 Resp: 154743

Ion	Ratio	Lower	Upper
149	100		
91	65.7	52.9	79.3
206	19.6	16.3	24.5



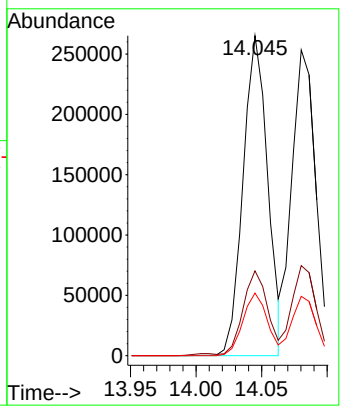


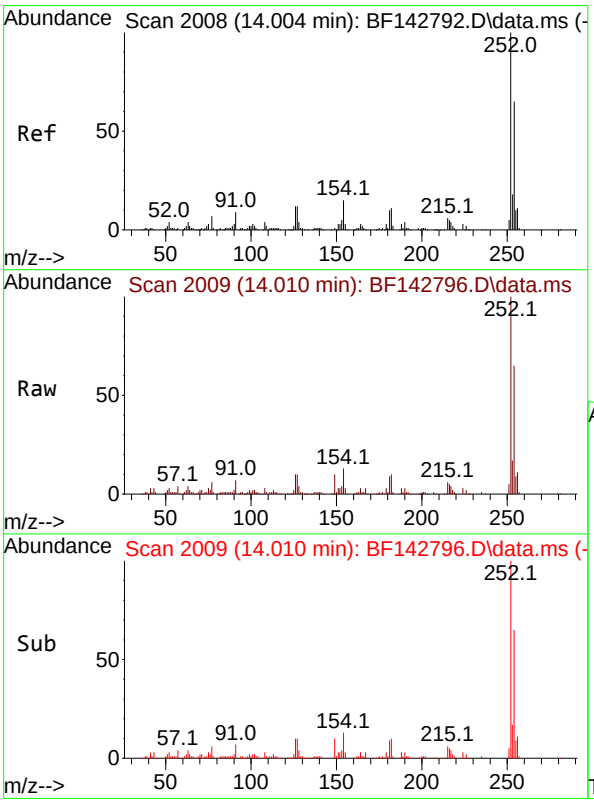
#81
Benzo(a)anthracene
Concen: 41.868 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:228 Resp: 346202

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.2	31.8
229	19.6	15.6	23.4

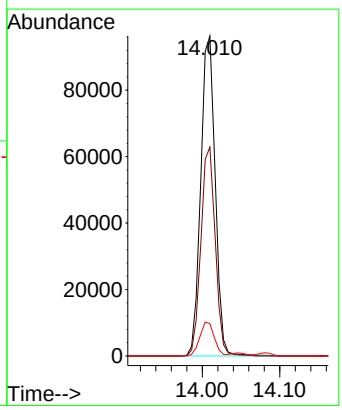


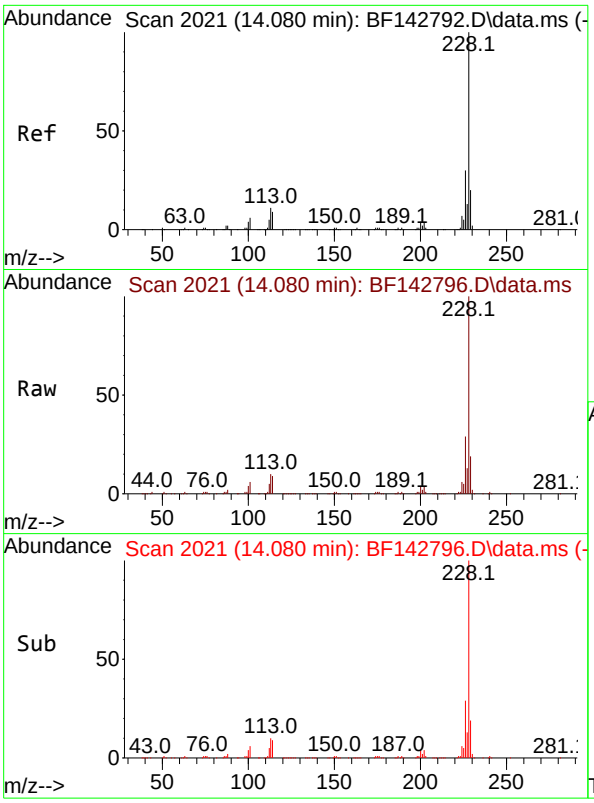


#82
3,3'-Dichlorobenzidine
Concen: 46.521 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:252 Resp: 124771

Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.7	77.5
126	10.1	9.4	14.2



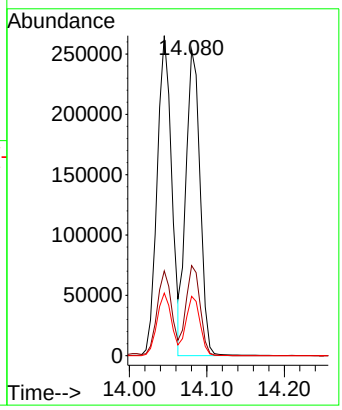


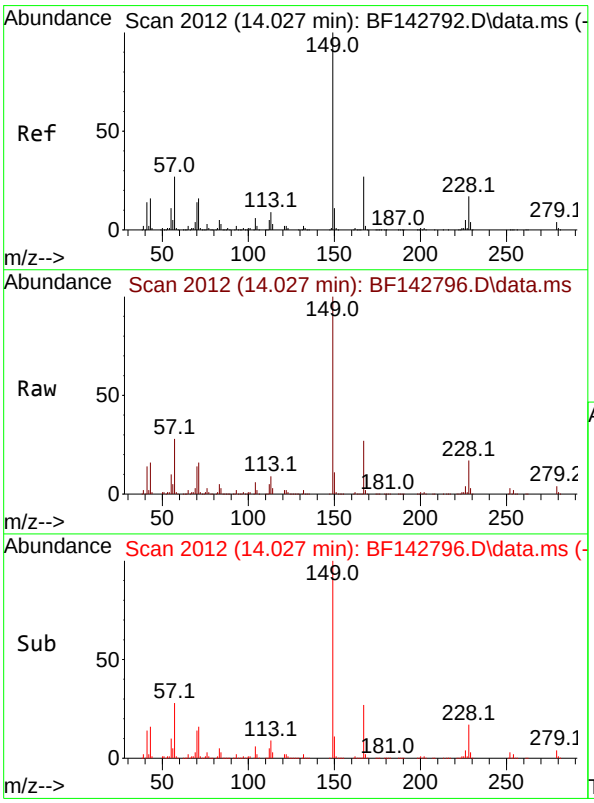
#83
Chrysene
Concen: 43.637 ng
RT: 14.080 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:228 Resp: 321976

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.7	35.5
229	19.4	15.7	23.5

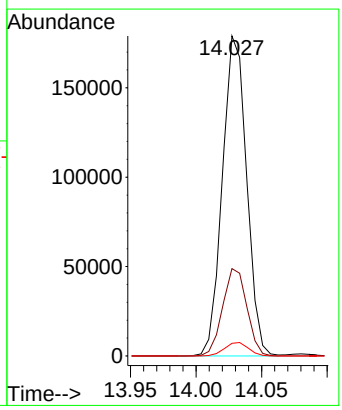


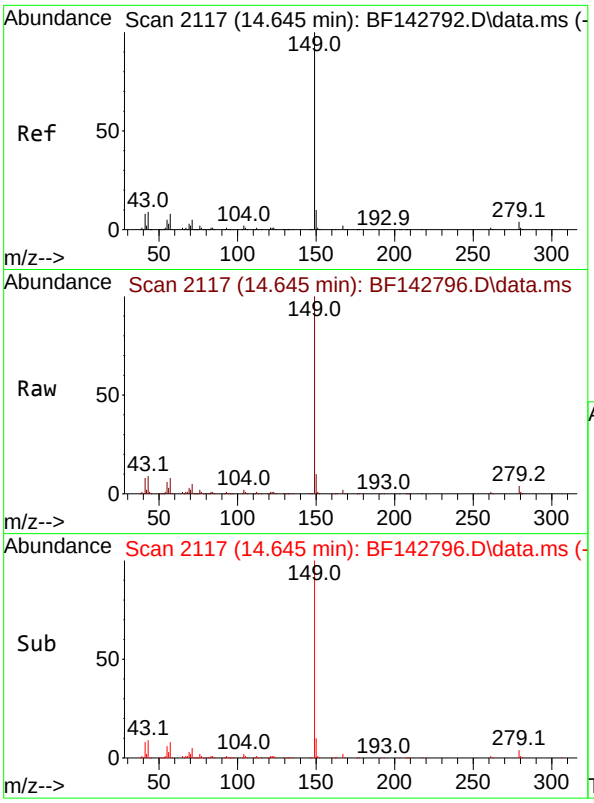


#84
Bis(2-ethylhexyl)phthalate
Concen: 47.976 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:149 Resp: 230046

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.4	32.0
279	4.0	3.0	4.6



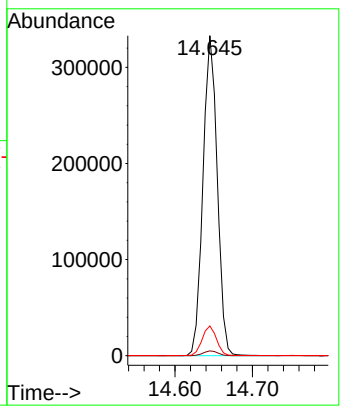


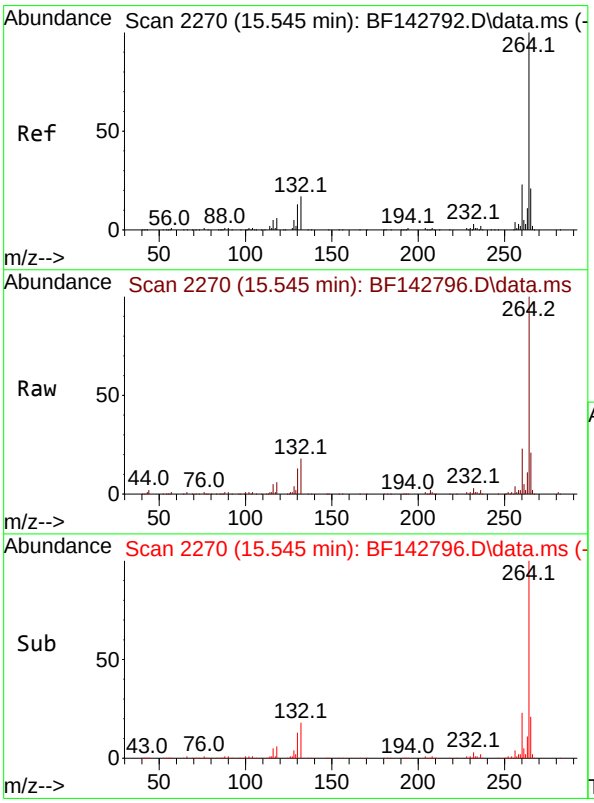
#85
Di-n-octyl phthalate
Concen: 47.026 ng
RT: 14.645 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:149 Resp: 425193

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.2	7.6	11.4

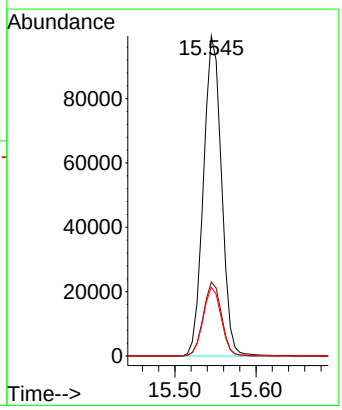


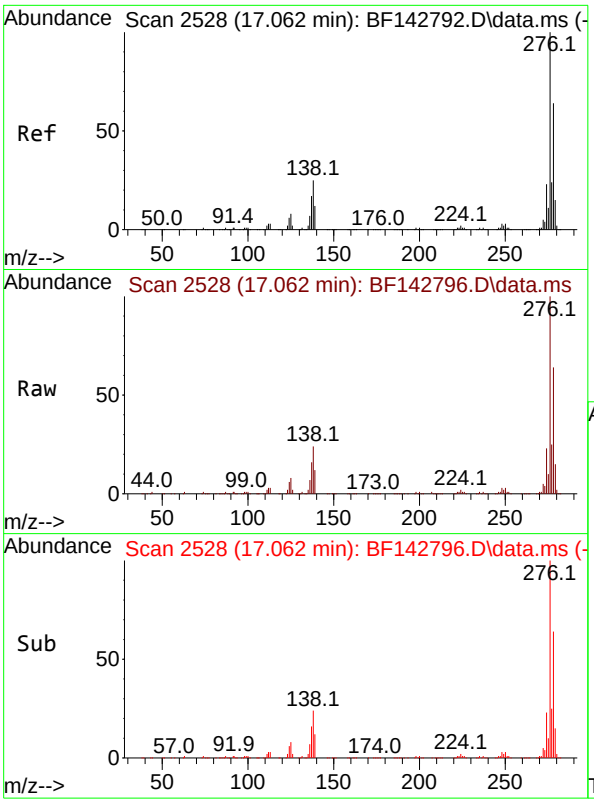


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:264 Resp: 153363

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.1	27.1
265	21.5	16.6	25.0



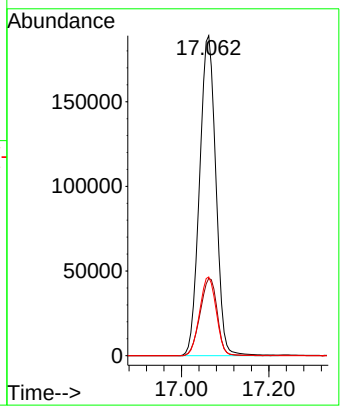


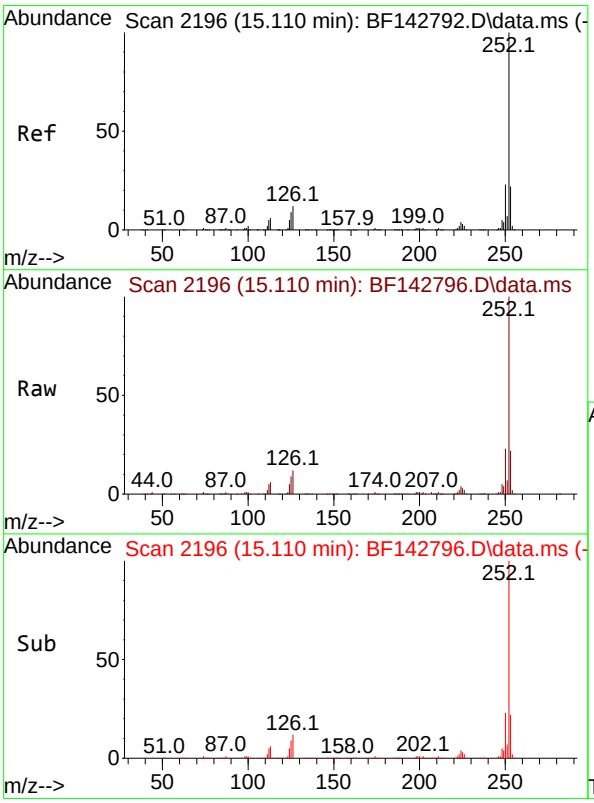
#87
Indeno(1,2,3-cd)pyrene
Concen: 42.060 ng
RT: 17.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:276 Resp: 491326

Ion	Ratio	Lower	Upper
276	100		
138	25.3	20.2	30.4
277	25.1	19.8	29.6

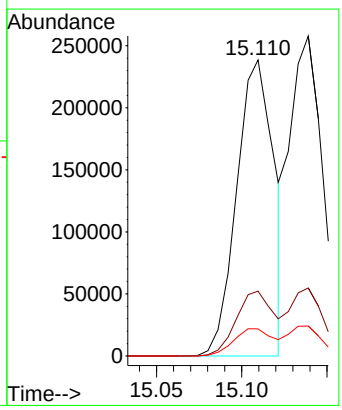


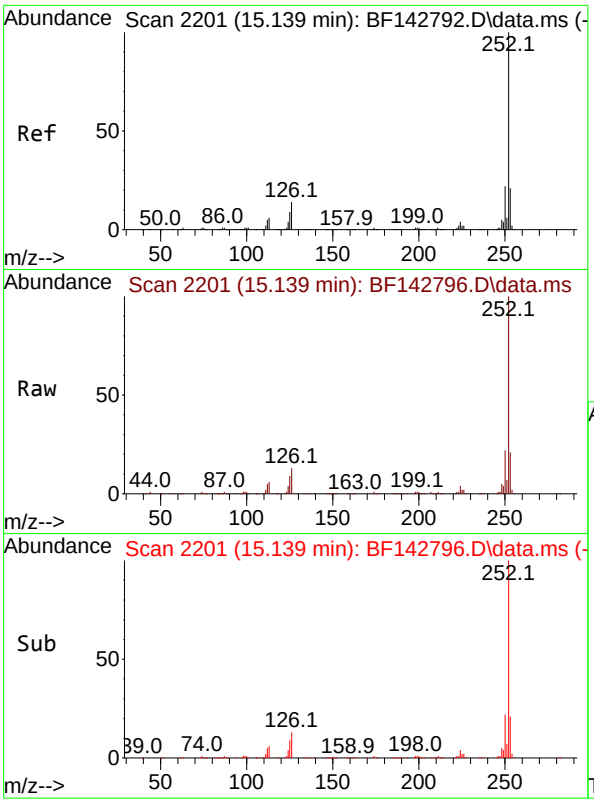


#88
Benzo(b)fluoranthene
Concen: 40.801 ng
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:252 Resp: 362077

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.1	7.4	11.0



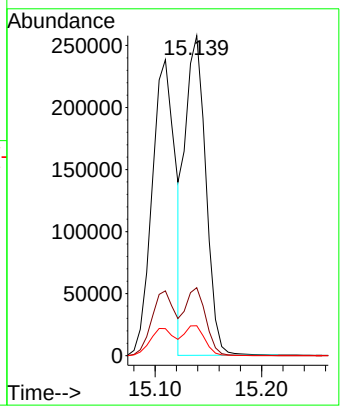


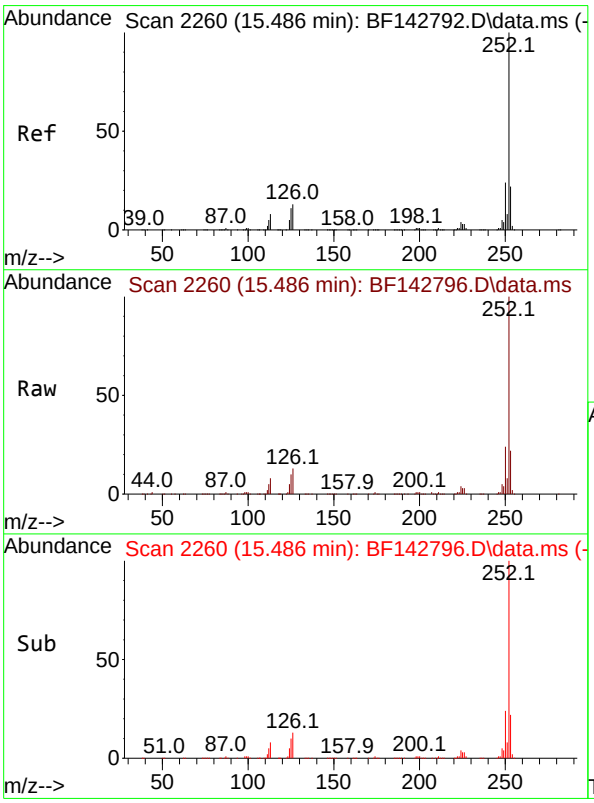
#89
Benzo(k)fluoranthene
Concen: 41.800 ng
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:252 Resp: 347044

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.2	25.8
125	9.3	7.4	11.2

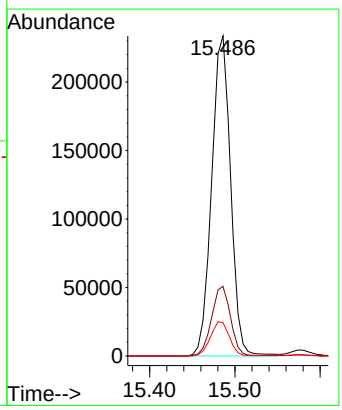


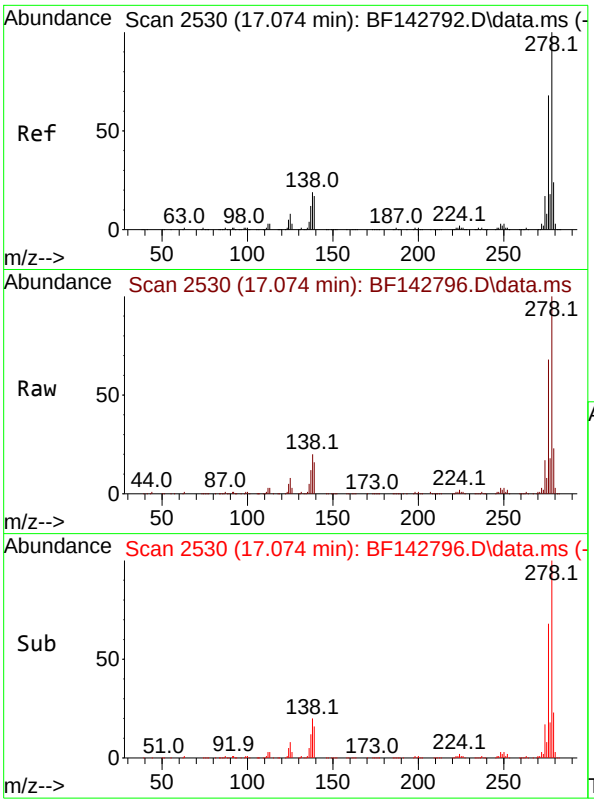


#90
Benzo(a)pyrene
Concen: 42.117 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:252 Resp: 361077

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	10.4	8.6	12.8



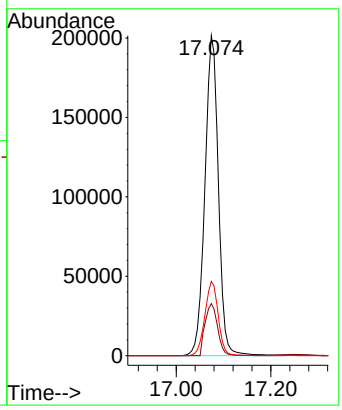


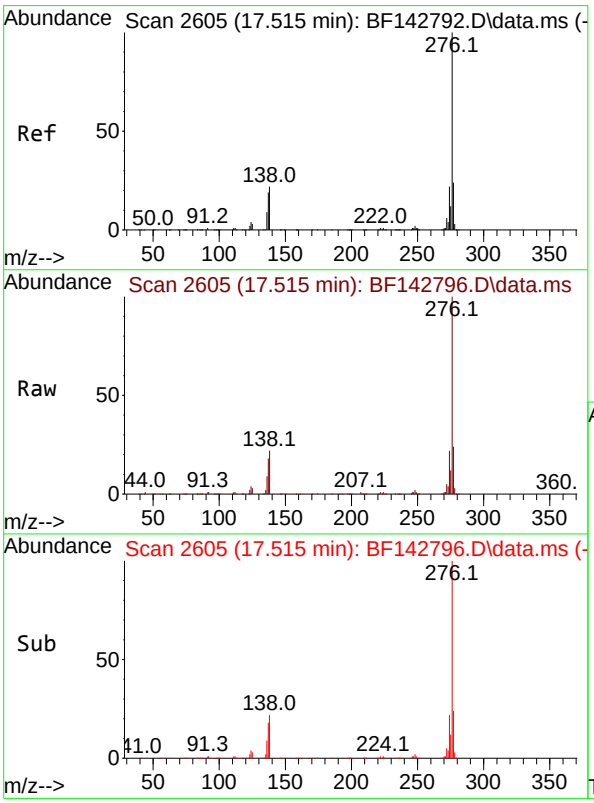
#91
Dibenzo(a,h)anthracene
Concen: 42.069 ng
RT: 17.074 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:278 Resp: 399293

Ion	Ratio	Lower	Upper
278	100		
139	16.3	13.5	20.3
279	23.3	18.8	28.2

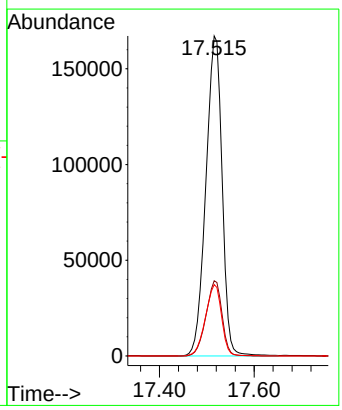




#92
Benzo(g,h,i)perylene
Concen: 42.006 ng
RT: 17.515 min Scan# 2605
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:276 Resp: 397566

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	22.3	17.6	26.4



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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	89	0.00
2		1,4-Dioxane	0.480	0.473	1.5	91	0.00
3		Pyridine	1.205	1.248	-3.6	95	0.00
4		n-Nitrosodimethylamine	0.623	0.653	-4.8	97	0.00
5	S	2-Fluorophenol	1.201	1.219	-1.5	94	0.00
6		Aniline	1.886	1.999	-6.0	97	0.00
7	S	Phenol-d6	1.417	1.422	-0.4	94	0.00
8		2-Chlorophenol	1.296	1.362	-5.1	97	0.00
9		Benzaldehyde	0.841	0.999	-18.8	117	0.00
10	C	Phenol	1.575	1.650	-4.8	96	0.00
11		bis(2-Chloroethyl)ether	1.126	1.187	-5.4	98	0.00
12		1,3-Dichlorobenzene	1.449	1.542	-6.4	99	0.00
13	C	1,4-Dichlorobenzene	1.462	1.545	-5.7	97	0.00
14		1,2-Dichlorobenzene	1.387	1.474	-6.3	98	0.00
15		Benzyl Alcohol	1.025	1.079	-5.3	98	0.00
16		2,2'-oxybis(1-Chloropropane	1.809	1.917	-6.0	99	0.00
17		2-Methylphenol	0.982	1.043	-6.2	98	0.00
18		Hexachloroethane	0.511	0.545	-6.7	97	0.00
19	P	n-Nitroso-di-n-propylamine	0.824	0.858	-4.1	97	0.00
20		3+4-Methylphenols	1.224	1.313	-7.3	99	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	89	0.00
22		Acetophenone	0.441	0.468	-6.1	100	0.00
23	S	Nitrobenzene-d5	0.365	0.334	8.5	84	0.00
24		Nitrobenzene	0.330	0.346	-4.8	97	0.00
25		Isophorone	0.585	0.605	-3.4	97	0.00
26	C	2-Nitrophenol	0.180	0.194	-7.8	97	0.00
27		2,4-Dimethylphenol	0.311	0.328	-5.5	98	0.00
28		bis(2-Chloroethoxy)methane	0.372	0.390	-4.8	98	0.00
29	C	2,4-Dichlorophenol	0.282	0.298	-5.7	97	0.00
30		1,2,4-Trichlorobenzene	0.310	0.327	-5.5	98	0.00
31		Naphthalene	0.979	1.033	-5.5	99	0.00
32		Benzoic acid	0.159	0.181	-13.8	103	0.00
33		4-Chloroaniline	0.398	0.416	-4.5	98	0.00
34	C	Hexachlorobutadiene	0.190	0.203	-6.8	98	0.00
35		Caprolactam	0.075	0.076	-1.3	95	0.00
36	C	4-Chloro-3-methylphenol	0.281	0.294	-4.6	97	0.00
37		2-Methylnaphthalene	0.607	0.633	-4.3	97	0.00
38		1-Methylnaphthalene	0.628	0.653	-4.0	97	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	88	0.00
40		1,2,4,5-Tetrachlorobenzene	0.590	0.638	-8.1	101	0.00
41	P	Hexachlorocyclopentadiene	0.335	0.380	-13.4	100	0.00
42	S	2,4,6-Tribromophenol	0.206	0.206	0.0	91	0.00
43	C	2,4,6-Trichlorophenol	0.385	0.409	-6.2	99	0.00
44		2,4,5-Trichlorophenol	0.405	0.436	-7.7	98	0.00
45	S	2-Fluorobiphenyl	1.522	1.373	9.8	85	0.00
46		1,1'-Biphenyl	1.580	1.665	-5.4	98	0.00
47		2-Chloronaphthalene	1.186	1.239	-4.5	97	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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	0.332	0.347	-4.5	94	0.00
49		Acenaphthylene	1.952	2.029	-3.9	96	0.00
50		Dimethylphthalate	1.295	1.334	-3.0	96	0.00
51		2,6-Dinitrotoluene	0.284	0.294	-3.5	94	0.00
52	C	Acenaphthene	1.191	1.245	-4.5	96	0.00
53		3-Nitroaniline	0.313	0.325	-3.8	95	0.00
54	P	2,4-Dinitrophenol	0.142	0.156	-9.9	97	0.00
55		Dibenzofuran	1.708	1.757	-2.9	95	0.00
56	P	4-Nitrophenol	0.214	0.217	-1.4	92	0.00
57		2,4-Dinitrotoluene	0.378	0.390	-3.2	94	0.00
58		Fluorene	1.334	1.369	-2.6	96	0.00
59		2,3,4,6-Tetrachlorophenol	0.326	0.341	-4.6	97	0.00
60		Diethylphthalate	1.269	1.299	-2.4	95	0.00
61		4-Chlorophenyl-phenylether	0.636	0.650	-2.2	96	0.00
62		4-Nitroaniline	0.286	0.291	-1.7	94	0.00
63		Azobenzene	1.134	1.164	-2.6	95	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	87	0.00
65		4,6-Dinitro-2-methylphenol	0.121	0.131	-8.3	95	0.00
66	c	n-Nitrosodiphenylamine	0.693	0.727	-4.9	94	0.00
67		4-Bromophenyl-phenylether	0.228	0.247	-8.3	98	0.00
68		Hexachlorobenzene	0.253	0.270	-6.7	97	0.00
69		Atrazine	0.179	0.192	-7.3	96	0.00
70	C	Pentachlorophenol	0.126	0.137	-8.7	94	0.00
71		Phenanthrene	1.083	1.127	-4.1	95	0.00
72		Anthracene	1.111	1.167	-5.0	95	0.00
73		Carbazole	0.959	0.979	-2.1	94	0.00
74		Di-n-butylphthalate	0.999	1.055	-5.6	97	0.00
75	C	Fluoranthene	1.028	1.038	-1.0	94	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	86	0.00
77		Benzidine	0.751	0.893	-18.9	99	0.00
78		Pyrene	1.875	1.912	-2.0	94	0.00
79	S	Terphenyl-d14	1.447	1.282	11.4	83	0.00
80		Butylbenzylphthalate	0.544	0.631	-16.0	99	0.00
81		Benzo(a)anthracene	1.349	1.412	-4.7	96	0.00
82		3,3'-Dichlorobenzidine	0.438	0.509	-16.2	102	0.00
83		Chrysene	1.204	1.313	-9.1	97	0.00
84		Bis(2-ethylhexyl)phthalate	0.782	0.938	-19.9	100	0.00
85	c	Di-n-octyl phthalate	1.475	1.734	-17.6	102	0.00
86	I	Perylene-d12	1.000	1.000	0.0	90	0.00
87		Indeno(1,2,3-cd)pyrene	1.523	1.602	-5.2	98	0.00
88		Benzo(b)fluoranthene	1.157	1.180	-2.0	99	0.00
89		Benzo(k)fluoranthene	1.083	1.131	-4.4	98	0.00
90	C	Benzo(a)pyrene	1.118	1.177	-5.3	99	0.00
91		Dibenzo(a,h)anthracene	1.238	1.302	-5.2	99	0.00
92		Benzo(g,h,i)perylene	1.234	1.296	-5.0	98	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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	89	0.00
2		1,4-Dioxane	40.000	39.357	1.6	91	0.00
3		Pyridine	40.000	41.446	-3.6	95	0.00
4		n-Nitrosodimethylamine	40.000	41.912	-4.8	97	0.00
5	S	2-Fluorophenol	80.000	81.192	-1.5	94	0.00
6		Aniline	40.000	42.392	-6.0	97	0.00
7	S	Phenol-d6	80.000	80.262	-0.3	94	0.00
8		2-Chlorophenol	40.000	42.036	-5.1	97	0.00
9		Benzaldehyde	40.000	47.511	-18.8	117	0.00
10	C	Phenol	40.000	41.901	-4.8	96	0.00
11		bis(2-Chloroethyl)ether	40.000	42.157	-5.4	98	0.00
12		1,3-Dichlorobenzene	40.000	42.568	-6.4	99	0.00
13	C	1,4-Dichlorobenzene	40.000	42.268	-5.7	97	0.00
14		1,2-Dichlorobenzene	40.000	42.520	-6.3	98	0.00
15		Benzyl Alcohol	40.000	42.114	-5.3	98	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	42.379	-5.9	99	0.00
17		2-Methylphenol	40.000	42.485	-6.2	98	0.00
18		Hexachloroethane	40.000	42.589	-6.5	97	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.640	-4.1	97	0.00
20		3+4-Methylphenols	40.000	42.904	-7.3	99	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	89	0.00
22		Acetophenone	40.000	42.478	-6.2	100	0.00
23	S	Nitrobenzene-d5	80.000	73.334	8.3	84	0.00
24		Nitrobenzene	40.000	41.968	-4.9	97	0.00
25		Isophorone	40.000	41.403	-3.5	97	0.00
26	C	2-Nitrophenol	40.000	43.224	-8.1	97	0.00
27		2,4-Dimethylphenol	40.000	42.168	-5.4	98	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.960	-4.9	98	0.00
29	C	2,4-Dichlorophenol	40.000	42.196	-5.5	97	0.00
30		1,2,4-Trichlorobenzene	40.000	42.177	-5.4	98	0.00
31		Naphthalene	40.000	42.218	-5.5	99	0.00
32		Benzoic acid	40.000	45.685	-14.2	103	0.00
33		4-Chloroaniline	40.000	41.766	-4.4	98	0.00
34	C	Hexachlorobutadiene	40.000	42.657	-6.6	98	0.00
35		Caprolactam	40.000	40.928	-2.3	95	0.00
36	C	4-Chloro-3-methylphenol	40.000	41.890	-4.7	97	0.00
37		2-Methylnaphthalene	40.000	41.730	-4.3	97	0.00
38		1-Methylnaphthalene	40.000	41.554	-3.9	97	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	88	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	43.233	-8.1	101	0.00
41	P	Hexachlorocyclopentadiene	40.000	45.361	-13.4	100	0.00
42	S	2,4,6-Tribromophenol	80.000	80.065	-0.1	91	0.00
43	C	2,4,6-Trichlorophenol	40.000	42.543	-6.4	99	0.00
44		2,4,5-Trichlorophenol	40.000	43.045	-7.6	98	0.00
45	S	2-Fluorobiphenyl	80.000	72.171	9.8	85	0.00
46		1,1'-Biphenyl	40.000	42.159	-5.4	98	0.00
47		2-Chloronaphthalene	40.000	41.817	-4.5	97	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	41.724	-4.3	94	0.00
49		Acenaphthylene	40.000	41.586	-4.0	96	0.00
50		Dimethylphthalate	40.000	41.232	-3.1	96	0.00
51		2,6-Dinitrotoluene	40.000	41.386	-3.5	94	0.00
52	C	Acenaphthene	40.000	41.825	-4.6	96	0.00
53		3-Nitroaniline	40.000	41.512	-3.8	95	0.00
54	P	2,4-Dinitrophenol	40.000	43.742	-9.4	97	0.00
55		Dibenzofuran	40.000	41.150	-2.9	95	0.00
56	P	4-Nitrophenol	40.000	40.556	-1.4	92	0.00
57		2,4-Dinitrotoluene	40.000	41.358	-3.4	94	0.00
58		Fluorene	40.000	41.052	-2.6	96	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.857	-4.6	97	0.00
60		Diethylphthalate	40.000	40.937	-2.3	95	0.00
61		4-Chlorophenyl-phenylether	40.000	40.862	-2.2	96	0.00
62		4-Nitroaniline	40.000	40.628	-1.6	94	0.00
63		Azobenzene	40.000	41.025	-2.6	95	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	87	0.00
65		4,6-Dinitro-2-methylphenol	40.000	43.341	-8.4	95	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.955	-4.9	94	0.00
67		4-Bromophenyl-phenylether	40.000	43.376	-8.4	98	0.00
68		Hexachlorobenzene	40.000	42.632	-6.6	97	0.00
69		Atrazine	40.000	42.840	-7.1	96	0.00
70	C	Pentachlorophenol	40.000	43.337	-8.3	94	0.00
71		Phenanthrene	40.000	41.603	-4.0	95	0.00
72		Anthracene	40.000	42.013	-5.0	95	0.00
73		Carbazole	40.000	40.858	-2.1	94	0.00
74		Di-n-butylphthalate	40.000	42.228	-5.6	97	0.00
75	C	Fluoranthene	40.000	40.372	-0.9	94	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	86	0.00
77		Benzidine	40.000	47.530	-18.8	99	0.00
78		Pyrene	40.000	40.794	-2.0	94	0.00
79	S	Terphenyl-d14	80.000	70.839	11.5	83	0.00
80		Butylbenzylphthalate	40.000	46.431	-16.1	99	0.00
81		Benzo(a)anthracene	40.000	41.868	-4.7	96	0.00
82		3,3'-Dichlorobenzidine	40.000	46.521	-16.3	102	0.00
83		Chrysene	40.000	43.637	-9.1	97	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	47.976	-19.9	100	0.00
85	c	Di-n-octyl phthalate	40.000	47.026	-17.6	102	0.00
86	I	Perylene-d12	20.000	20.000	0.0	90	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	42.060	-5.2	98	0.00
88		Benzo(b)fluoranthene	40.000	40.801	-2.0	99	0.00
89		Benzo(k)fluoranthene	40.000	41.800	-4.5	98	0.00
90	C	Benzo(a)pyrene	40.000	42.117	-5.3	99	0.00
91		Dibenzo(a,h)anthracene	40.000	42.069	-5.2	99	0.00
92		Benzo(g,h,i)perylene	40.000	42.006	-5.0	98	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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: **BF142941.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: Alliance Contract: CAMP02

Lab Code: ACE SDG No.: Q2458

Instrument ID: BNA_F Calibration Date/Time: 07/01/2025 10:47

Lab File ID: BF142941.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.201	1.196		-0.4	
Benzaldehyde	0.841	0.981		16.6	
Phenol-d6	1.417	1.371		-3.2	
Phenol	1.575	1.539		-2.3	20.0
bis(2-Chloroethyl)ether	1.126	1.074		-4.6	
2-Chlorophenol	1.296	1.271		-1.9	
2-Methylphenol	0.982	0.943		-4.0	
2,2-oxybis(1-Chloropropane)	1.809	1.620		-10.4	
Acetophenone	0.441	0.440		-0.2	
3+4-Methylphenols	1.224	1.200		-2.0	
n-Nitroso-di-n-propylamine	0.824	0.752	0.050	-8.7	
Nitrobenzene-d5	0.365	0.388		6.3	
Hexachloroethane	0.511	0.499		-2.3	
Nitrobenzene	0.330	0.317		-3.9	
Isophorone	0.585	0.543		-7.2	
2-Nitrophenol	0.180	0.182		1.1	20.0
2,4-Dimethylphenol	0.311	0.298		-4.2	
bis(2-Chloroethoxy)methane	0.372	0.351		-5.6	
2,4-Dichlorophenol	0.282	0.278		-1.4	20.0
Naphthalene	0.979	0.962		-1.7	
4-Chloroaniline	0.398	0.373		-6.3	
Hexachlorobutadiene	0.190	0.192		1.1	20.0
Caprolactam	0.075	0.066		-12.0	
4-Chloro-3-methylphenol	0.281	0.259		-7.8	20.0
2-Methylnaphthalene	0.607	0.581		-4.3	
Hexachlorocyclopentadiene	0.335	0.285	0.050	-14.9	
2,4,6-Trichlorophenol	0.385	0.386		0.3	20.0
2-Fluorobiphenyl	1.522	1.666		9.5	
2,4,5-Trichlorophenol	0.405	0.387		-4.4	
1,1-Biphenyl	1.580	1.580		0.0	
2-Chloronaphthalene	1.186	1.191		0.4	
2-Nitroaniline	0.332	0.310		-6.6	
Dimethylphthalate	1.295	1.215		-6.2	
Acenaphthylene	1.952	1.921		-1.6	
2,6-Dinitrotoluene	0.284	0.270		-4.9	
3-Nitroaniline	0.313	0.286		-8.6	
Acenaphthene	1.191	1.163		-2.4	20.0
2,4-Dinitrophenol	0.142	0.118	0.050	-16.9	
4-Nitrophenol	0.214	0.170	0.050	-20.6	

Raw Data: **BF142941.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	CAMP02
Lab Code:	ACE	SDG No.:	Q2458
Instrument ID:	BNA_F	Calibration Date/Time:	07/01/2025 10:47
Lab File ID:	BF142941.D	Init. Calib. Date(s):	06/19/2025 06/19/2025
EPA Sample No.:	SSTDCCC040	Init. Calib. Time(s):	17:07 20:40

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.708	1.646		-3.6	
2,4-Dinitrotoluene	0.378	0.345		-8.7	
Diethylphthalate	1.269	1.171		-7.7	
4-Chlorophenyl-phenylether	0.636	0.605		-4.9	
Fluorene	1.334	1.252		-6.1	
4-Nitroaniline	0.286	0.264		-7.7	
4,6-Dinitro-2-methylphenol	0.121	0.115		-5.0	
n-Nitrosodiphenylamine	0.693	0.694		0.1	20.0
2,4,6-Tribromophenol	0.206	0.185		-10.2	
4-Bromophenyl-phenylether	0.228	0.233		2.2	
Hexachlorobenzene	0.253	0.254		0.4	
Atrazine	0.179	0.187		4.5	
Pentachlorophenol	0.126	0.106		-15.9	20.0
Phenanthrene	1.083	1.062		-1.9	
Anthracene	1.111	1.107		-0.4	
Carbazole	0.959	0.938		-2.2	
Di-n-butylphthalate	0.999	1.056		5.7	
Fluoranthene	1.028	1.022		-0.6	20.0
Pyrene	1.875	1.566		-16.5	
Terphenyl-d14	1.447	1.189		-17.8	
Butylbenzylphthalate	0.544	0.580		6.6	
3,3-Dichlorobenzidine	0.438	0.458		4.6	
Benzo(a)anthracene	1.349	1.288		-4.5	
Chrysene	1.204	1.192		-1.0	
Bis(2-ethylhexyl)phthalate	0.782	0.932		19.2	
Di-n-octyl phthalate	1.475	1.697		15.1	20.0
Benzo(b)fluoranthene	1.157	1.116		-3.5	
Benzo(k)fluoranthene	1.083	1.089		0.6	
Benzo(a)pyrene	1.118	1.105		-1.2	20.0
Indeno(1,2,3-cd)pyrene	1.523	1.413		-7.2	
Dibenzo(a,h)anthracene	1.238	1.151		-7.0	
Benzo(g,h,i)perylene	1.234	1.133		-8.2	
1,2,4,5-Tetrachlorobenzene	0.590	0.606		2.7	
1,4-Dioxane	0.480	0.455		-5.2	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.292		-10.4	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142941.D
Acq On : 01 Jul 2025 10:47
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jul 01 11:49:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	52800	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	192179	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	92751	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	139048	20.000	ng	0.00
76) Chrysene-d12	14.051	240	102522	20.000	ng	0.00
86) Perylene-d12	15.539	264	129198	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	252526	79.628	ng	0.00
7) Phenol-d6	6.504	99	289488	77.371	ng	0.00
23) Nitrobenzene-d5	7.439	82	298243	85.123	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	68661	71.936	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	618133	87.549	ng	-0.01
79) Terphenyl-d14	12.986	244	487482	65.699	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.610	88	48096	37.917	ng	99
3) Pyridine	3.381	79	116992	36.790	ng	99
4) n-Nitrosodimethylamine	3.328	42	61315	37.287	ng	99
6) Aniline	6.534	93	186473	37.456	ng	92
8) 2-Chlorophenol	6.657	128	134243	39.241	ng	99
9) Benzaldehyde	6.428	77	103612	46.677	ng	100
10) Phenol	6.516	94	162551	39.084	ng	99
11) bis(2-Chloroethyl)ether	6.610	93	113442	38.164	ng	97
12) 1,3-Dichlorobenzene	6.816	146	150416	39.315	ng	99
13) 1,4-Dichlorobenzene	6.892	146	152012	39.381	ng	99
14) 1,2-Dichlorobenzene	7.045	146	144573	39.488	ng	100
15) Benzyl Alcohol	7.016	79	103047	38.097	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	171116	35.830	ng	93
17) 2-Methylphenol	7.128	107	99560	38.404	ng	99
18) Hexachloroethane	7.386	117	52714	39.043	ng	95
19) n-Nitroso-di-n-propyla...	7.286	70	79376	36.476	ng	99
20) 3+4-Methylphenols	7.281	107	126768	39.219	ng	96
22) Acetophenone	7.286	105	169276	39.943	ng	98
24) Nitrobenzene	7.457	77	121669	38.367	ng	98
25) Isophorone	7.698	82	208665	37.126	ng	99
26) 2-Nitrophenol	7.775	139	69947	40.491	ng	98
27) 2,4-Dimethylphenol	7.810	122	114696	38.331	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	134974	37.774	ng	99
29) 2,4-Dichlorophenol	8.016	162	106987	39.433	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	119210	39.958	ng	99
31) Naphthalene	8.181	128	369566	39.287	ng	100
32) Benzoic acid	7.910	122	52328	34.311	ng	98
33) 4-Chloroaniline	8.228	127	143249	37.451	ng	99
34) Hexachlorobutadiene	8.298	225	73934	40.514	ng	98
35) Caprolactam	8.592	113	25268	35.294	ng	94
36) 4-Chloro-3-methylphenol	8.710	107	99683	36.969	ng	100
37) 2-Methylnaphthalene	8.869	142	223291	38.288	ng	99
38) 1-Methylnaphthalene	8.969	142	228336	37.822	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	112325	41.043	ng	99
41) Hexachlorocyclopentadiene	9.022	237	52906	34.065	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	71605	40.152	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142941.D
Acq On : 01 Jul 2025 10:47
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jul 01 11:49:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

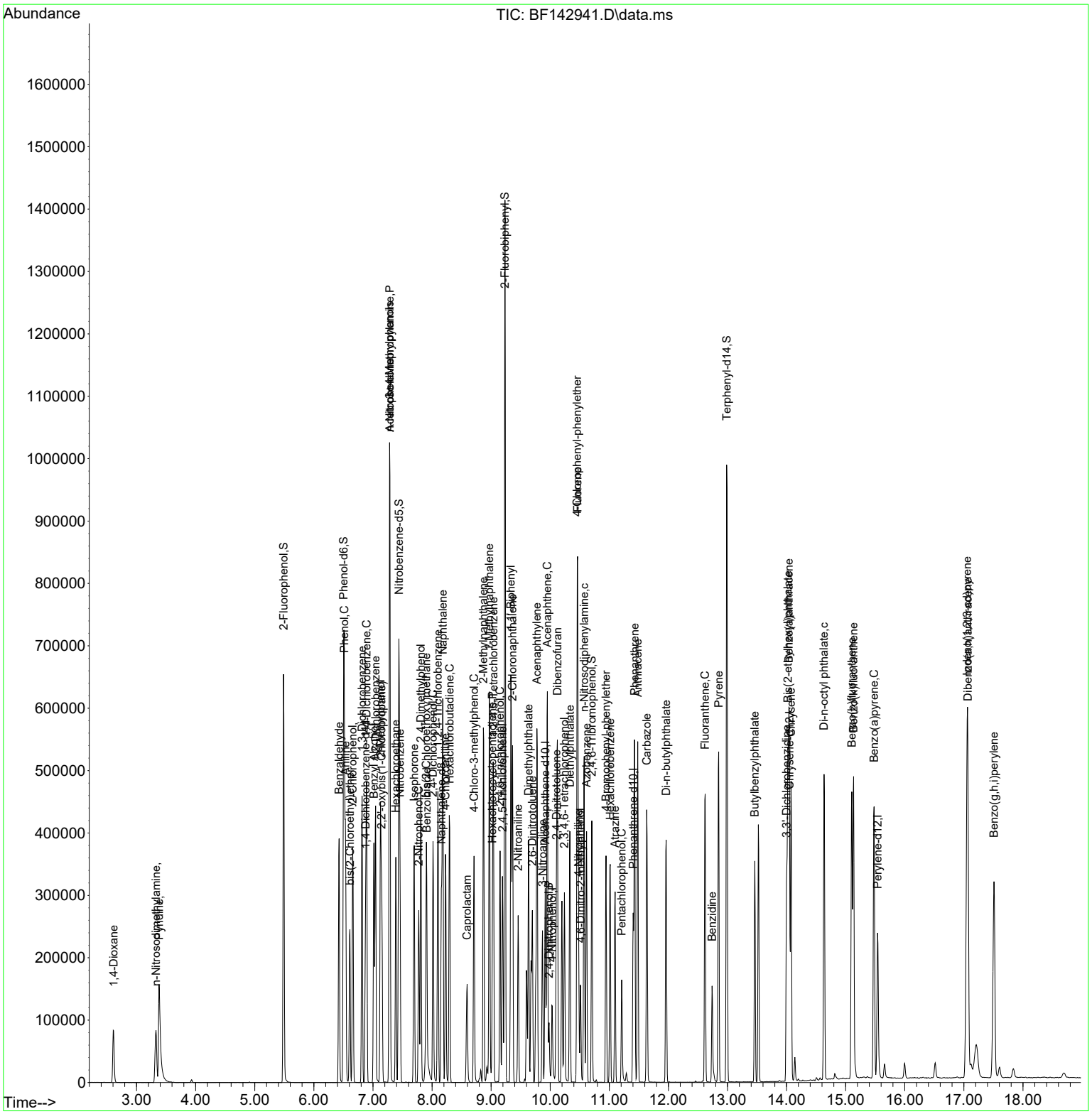
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	71728	38.208	ng	99
46) 1,1'-Biphenyl	9.333	154	293133	40.008	ng	100
47) 2-Chloronaphthalene	9.363	162	220890	40.175	ng	99
48) 2-Nitroaniline	9.457	65	57546	37.332	ng	97
49) Acenaphthylene	9.775	152	356312	39.366	ng	99
50) Dimethylphthalate	9.633	163	225413	37.545	ng	100
51) 2,6-Dinitrotoluene	9.698	165	50146	38.033	ng	96
52) Acenaphthene	9.951	154	215725	39.064	ng	98
53) 3-Nitroaniline	9.869	138	53126	36.596	ng	100
54) 2,4-Dinitrophenol	9.980	184	21902	33.175	ng	97
55) Dibenzofuran	10.122	168	305343	38.558	ng	99
56) 4-Nitrophenol	10.033	139	31494	31.690	ng	98
57) 2,4-Dinitrotoluene	10.104	165	64015	36.552	ng	98
58) Fluorene	10.463	166	232186	37.542	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	54162	35.793	ng	100
60) Diethylphthalate	10.333	149	217208	36.898	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	112139	37.998	ng	99
62) 4-Nitroaniline	10.480	138	48891	36.825	ng	98
63) Azobenzene	10.616	77	190824	36.270	ng	97
65) 4,6-Dinitro-2-methylph...	10.516	198	31907	37.937	ng	99
66) n-Nitrosodiphenylamine	10.574	169	192909	40.030	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	64752	40.918	ng	96
68) Hexachlorobenzene	11.016	284	70683	40.197	ng	97
69) Atrazine	11.098	200	51920	41.722	ng	97
70) Pentachlorophenol	11.210	266	29603	33.785	ng	98
71) Phenanthrene	11.427	178	295227	39.195	ng	100
72) Anthracene	11.480	178	307903	39.858	ng	100
73) Carbazole	11.633	167	260992	39.151	ng	100
74) Di-n-butylphthalate	11.963	149	293579	42.274	ng	99
75) Fluoranthene	12.621	202	284289	39.769	ng	100
77) Benzidine	12.739	184	98235	25.503	ng	100
78) Pyrene	12.851	202	321169	33.421	ng	100
80) Butylbenzylphthalate	13.463	149	118958	42.675	ng	96
81) Benzo(a)anthracene	14.039	228	264117	38.188	ng	100
82) 3,3'-Dichlorobenzidine	13.998	252	93910	41.862	ng	100
83) Chrysene	14.074	228	244511	39.620	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	191031	47.631	ng	100
85) Di-n-octyl phthalate	14.633	149	348013	46.018	ng	99
87) Indeno(1,2,3-cd)pyrene	17.056	276	365045	37.095	ng	98
88) Benzo(b)fluoranthene	15.104	252	288412	38.579	ng	100
89) Benzo(k)fluoranthene	15.133	252	281267	40.214	ng	99
90) Benzo(a)pyrene	15.480	252	285559	39.539	ng	98
91) Dibenzo(a,h)anthracene	17.068	278	297390	37.193	ng	98
92) Benzo(g,h,i)perylene	17.509	276	292786	36.721	ng	99

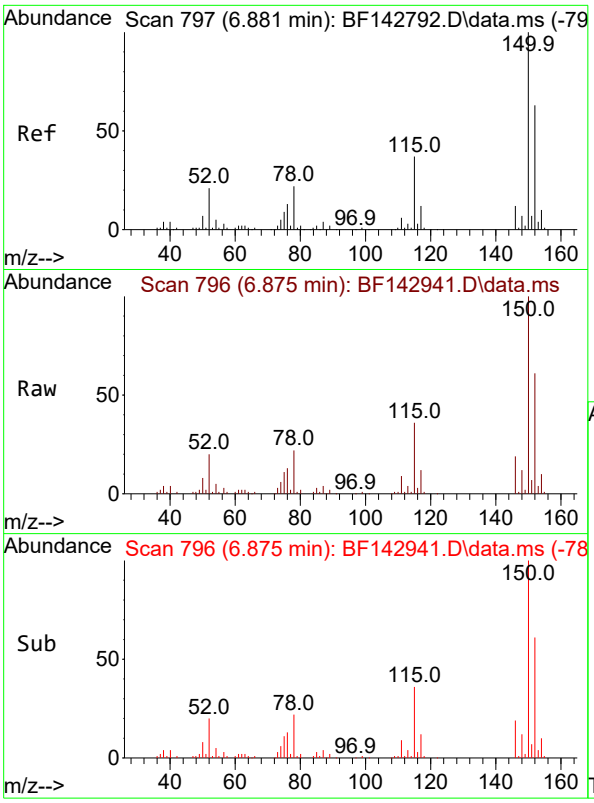
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142941.D
Acq On : 01 Jul 2025 10:47
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jul 01 11:49:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



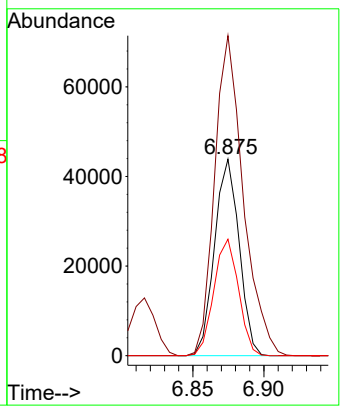


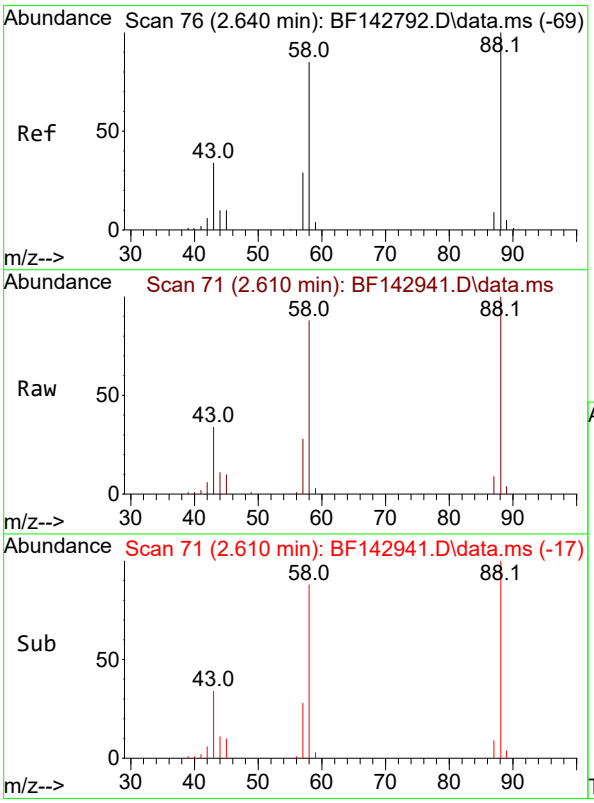
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 52800

Ion	Ratio	Lower	Upper
152	100		
150	162.8	127.2	190.8
115	59.2	46.6	69.8

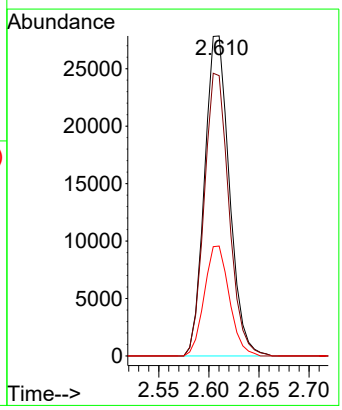


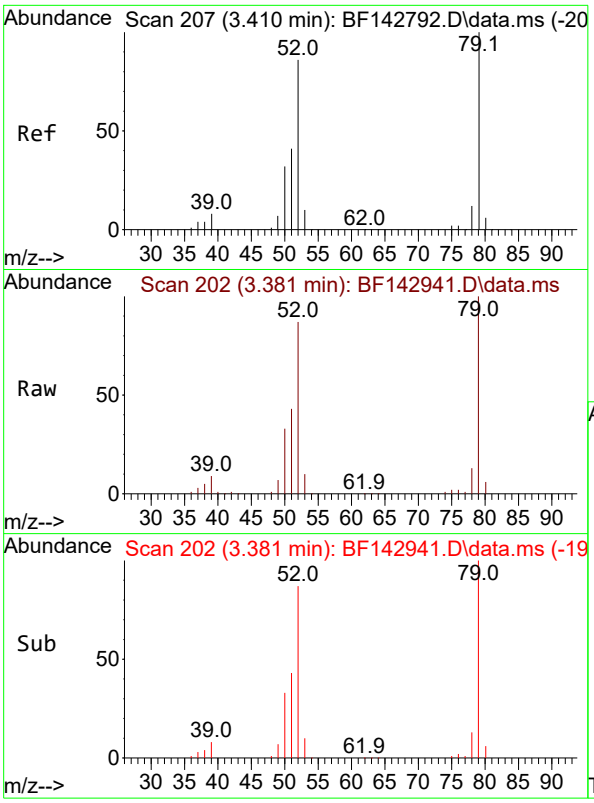


#2
1,4-Dioxane
Concen: 37.917 ng
RT: 2.610 min Scan# 71
Delta R.T. -0.029 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion: 88 Resp: 48096

Ion	Ratio	Lower	Upper
88	100		
58	87.6	69.1	103.7
43	34.5	27.4	41.2



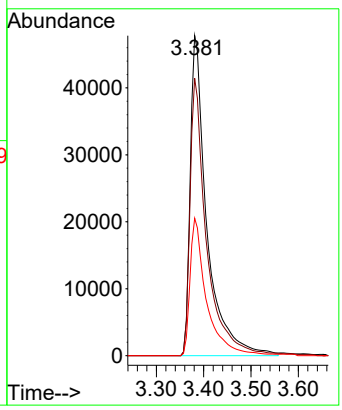


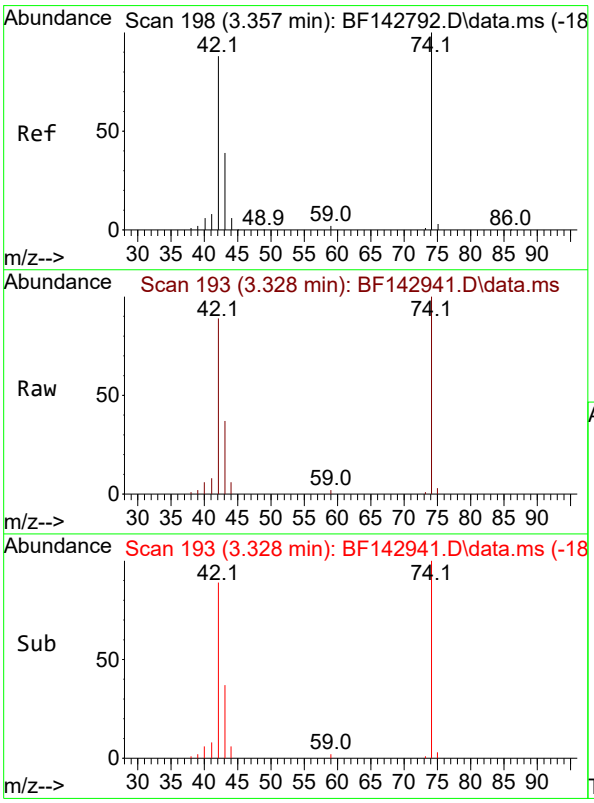
#3
Pyridine
Concen: 36.790 ng
RT: 3.381 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 116992

Ion	Ratio	Lower	Upper
79	100		
52	86.7	69.2	103.8
51	42.9	33.2	49.8

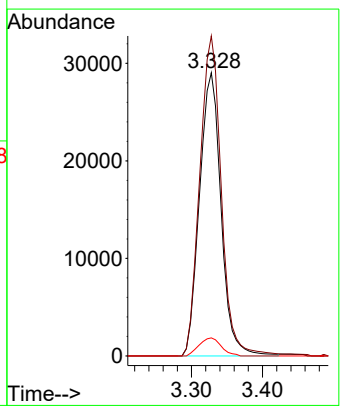


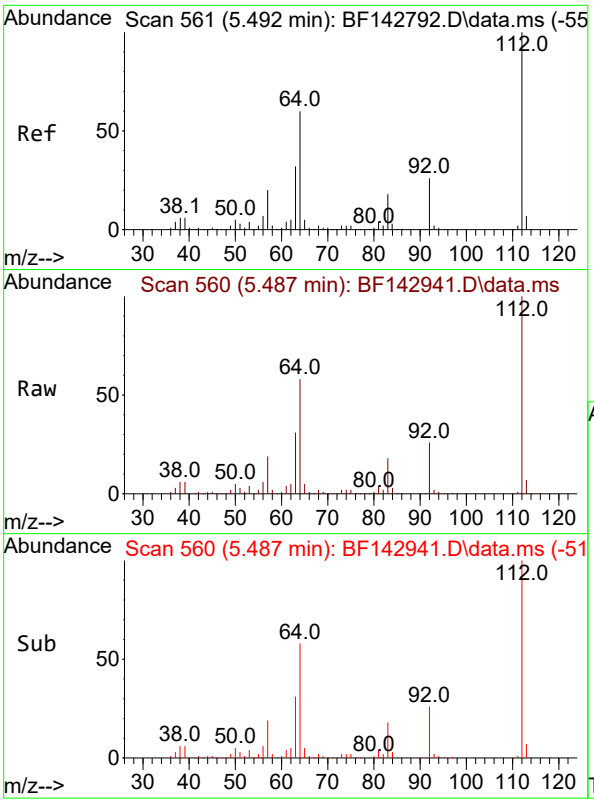


#4
n-Nitrosodimethylamine
Concen: 37.287 ng
RT: 3.328 min Scan# 193
Delta R.T. -0.029 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion: 42 Resp: 61315

Ion	Ratio	Lower	Upper
42	100		
74	113.0	90.9	136.3
44	6.4	5.8	8.6



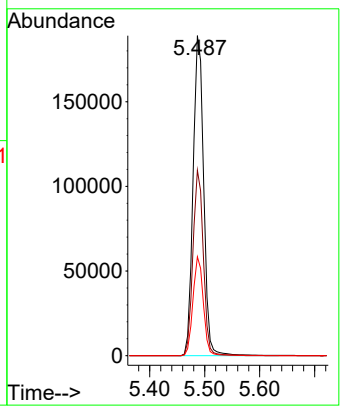


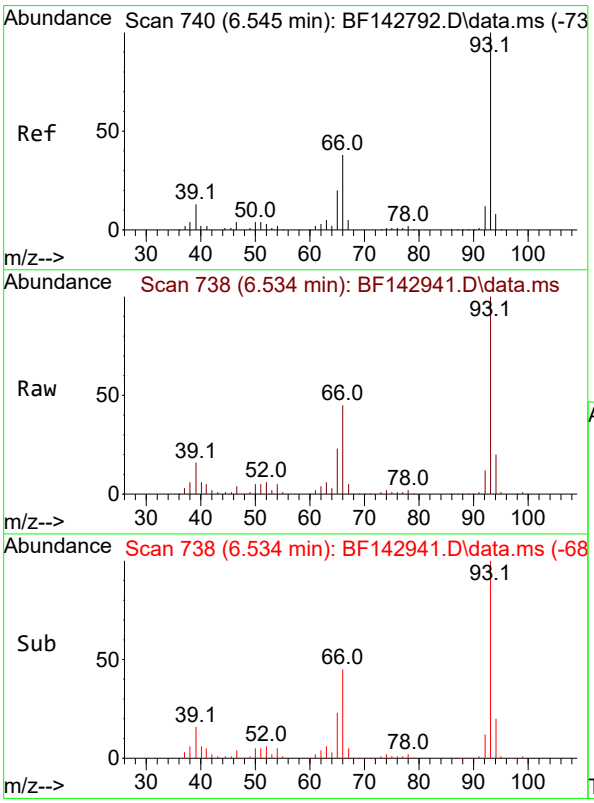
#5
2-Fluorophenol
Concen: 79.628 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.005 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 252526

Ion	Ratio	Lower	Upper
112	100		
64	58.0	48.2	72.2
63	30.9	25.7	38.5

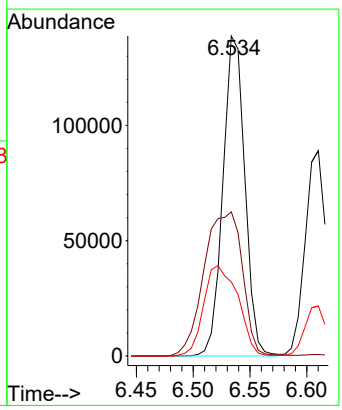


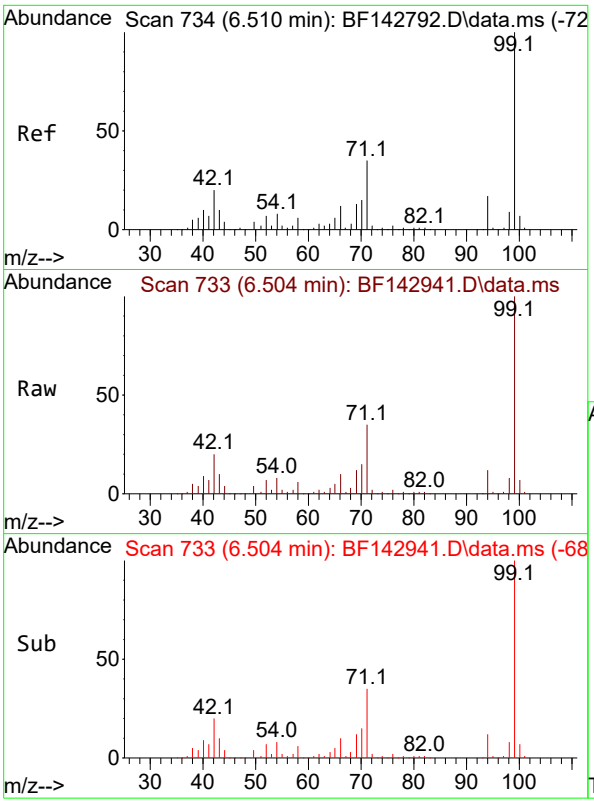


#6
Aniline
Concen: 37.456 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion: 93 Resp: 186473

Ion	Ratio	Lower	Upper
93	100		
66	45.1	31.8	47.6
65	23.1	16.2	24.2



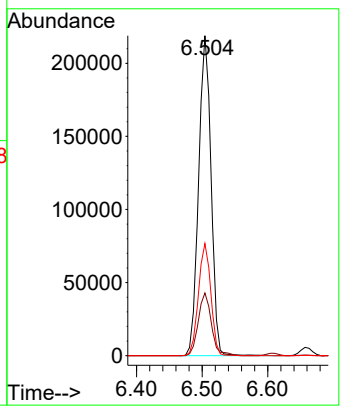


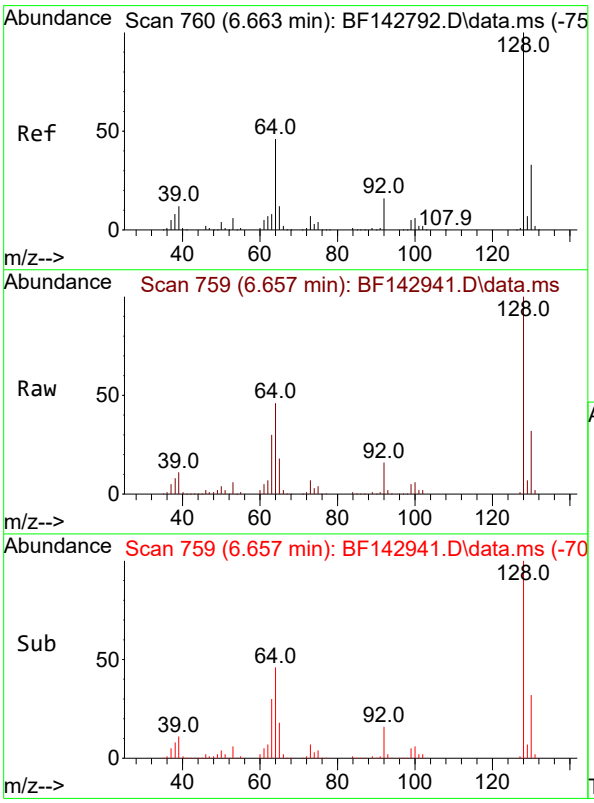
#7
Phenol-d6
Concen: 77.371 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 289488

Ion	Ratio	Lower	Upper
99	100		
42	19.6	15.9	23.9
71	35.0	27.8	41.8

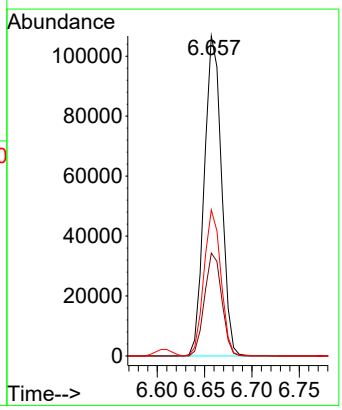


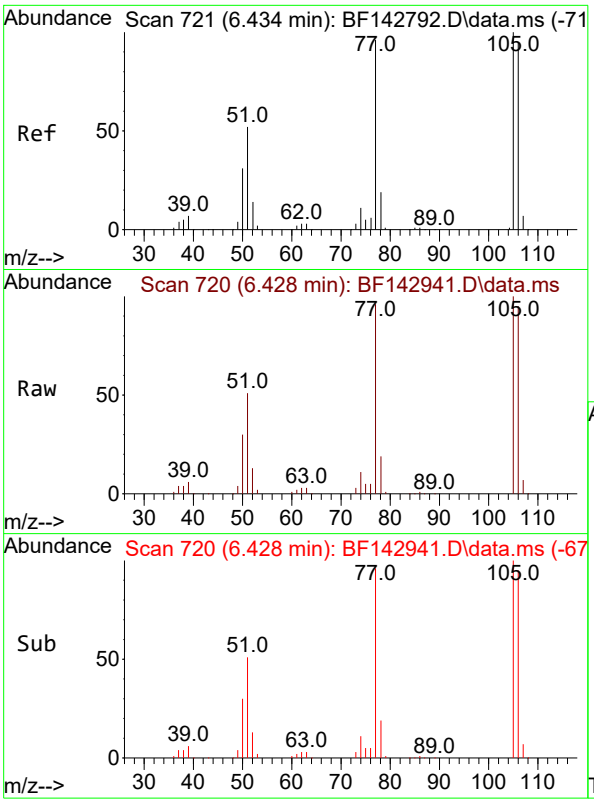


#8
2-Chlorophenol
Concen: 39.241 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:128 Resp: 134243

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.7	52.7
64	45.7	26.5	66.5



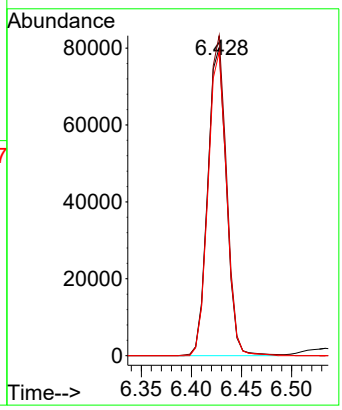


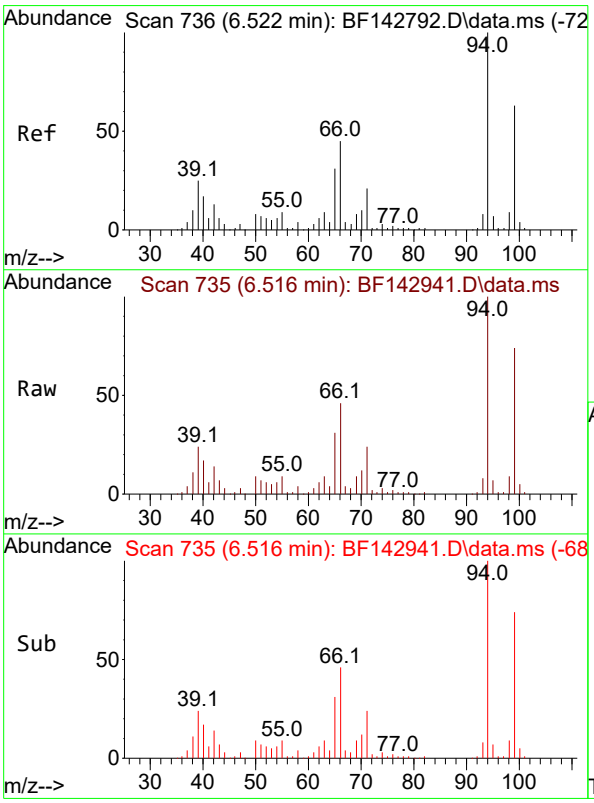
#9
Benzaldehyde
Concen: 46.677 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 103612

Ion	Ratio	Lower	Upper
77	100		
105	103.9	83.8	123.8
106	98.6	78.7	118.7

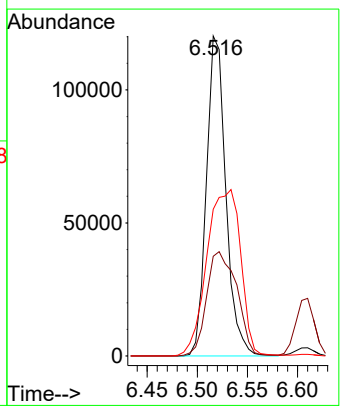


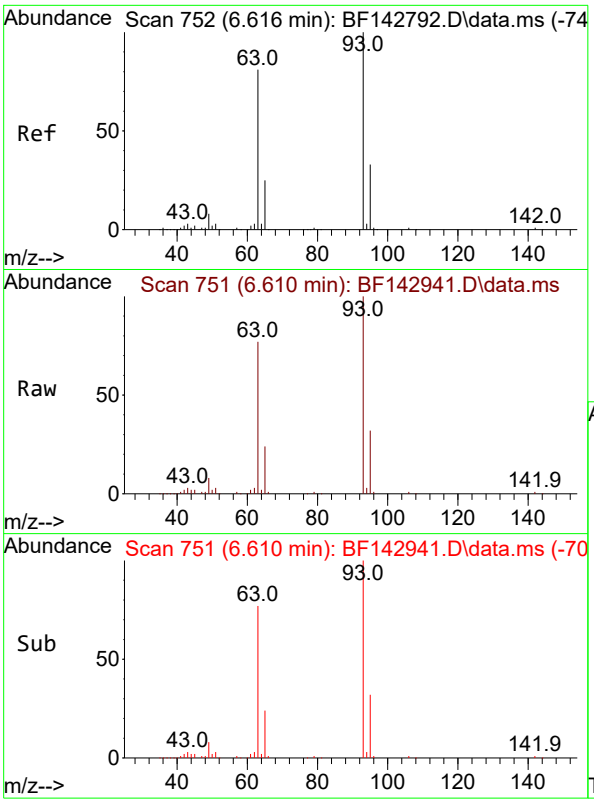


#10
Phenol
Concen: 39.084 ng
RT: 6.516 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion: 94 Resp: 162551

Ion	Ratio	Lower	Upper
94	100		
65	31.1	11.3	51.3
66	45.9	24.9	64.9



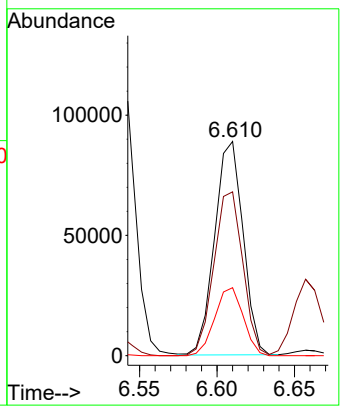


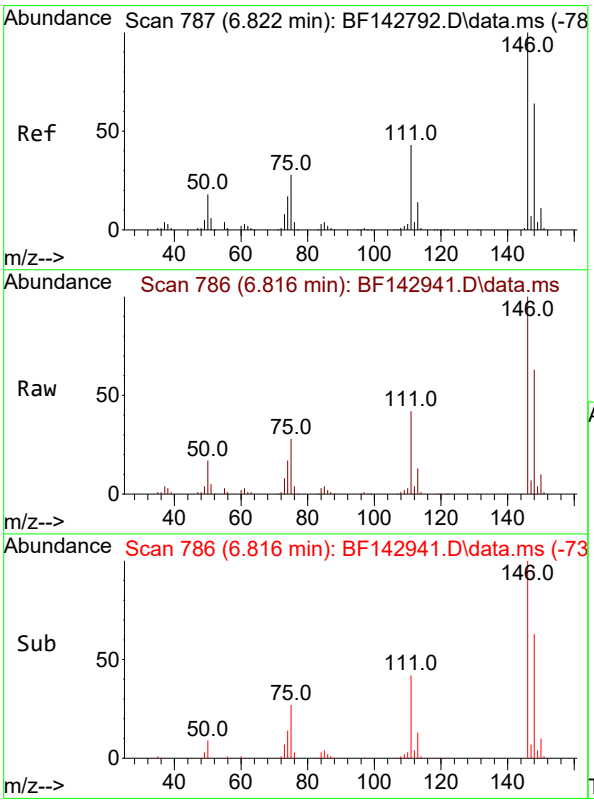
#11
bis(2-Chloroethyl)ether
Concen: 38.164 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 113442

Ion	Ratio	Lower	Upper
93	100		
63	76.5	60.3	100.3
95	31.8	12.5	52.5

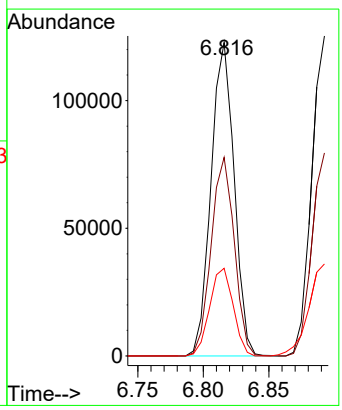


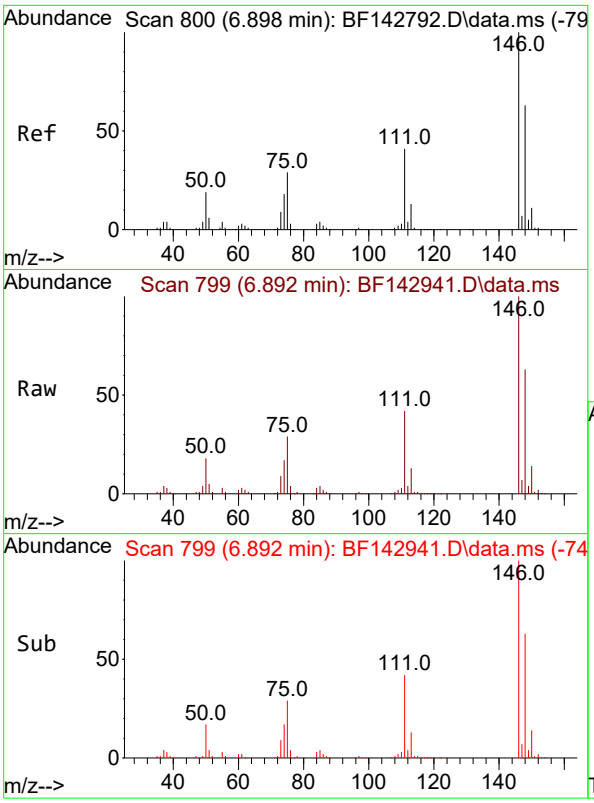


#12
1,3-Dichlorobenzene
Concen: 39.315 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:146 Resp: 150416

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.1	76.7
75	28.0	22.7	34.1



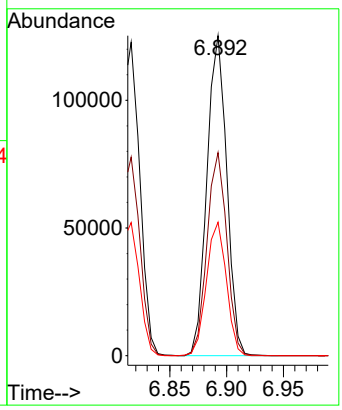


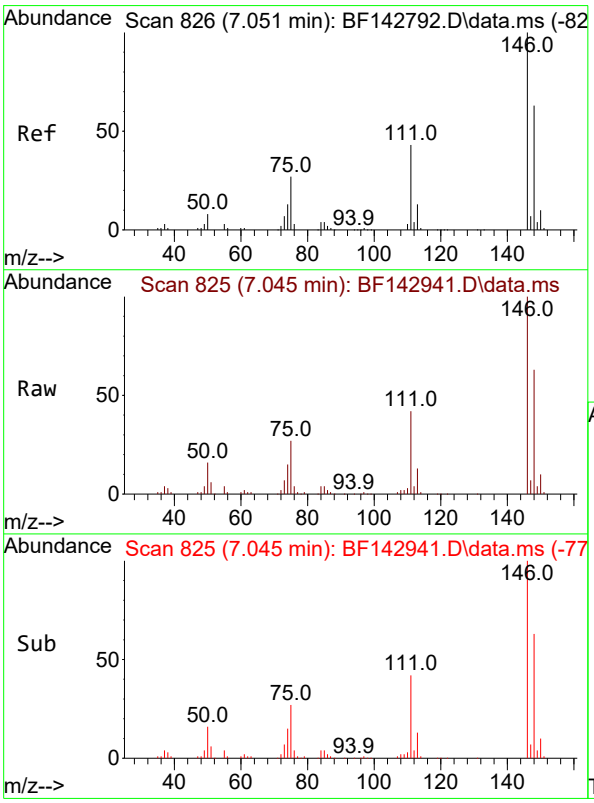
#13
1,4-Dichlorobenzene
Concen: 39.381 ng
RT: 6.892 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 152012

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.2	75.2
111	41.7	33.2	49.8

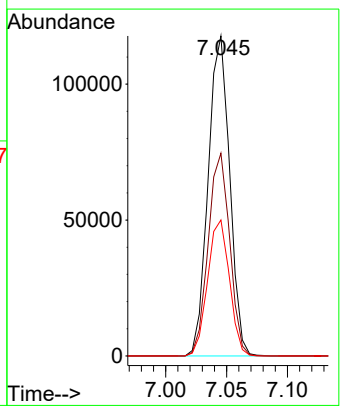


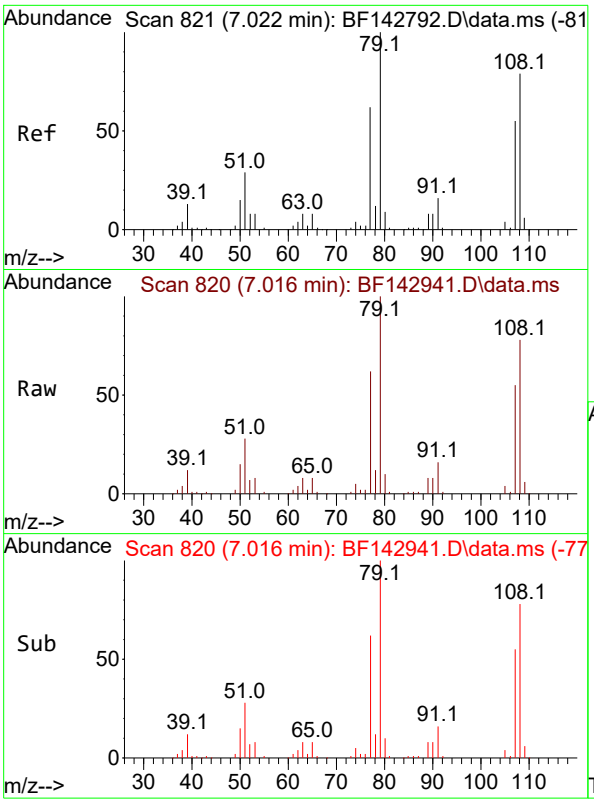


#14
1,2-Dichlorobenzene
Concen: 39.488 ng
RT: 7.045 min Scan# 825
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:146 Resp: 144573

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.4	75.6
111	42.5	34.1	51.1



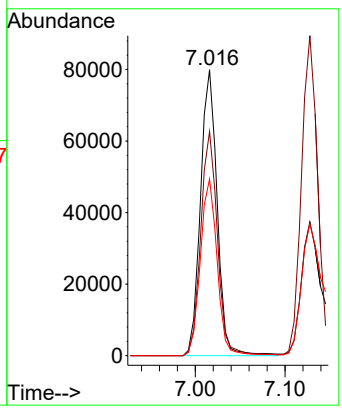


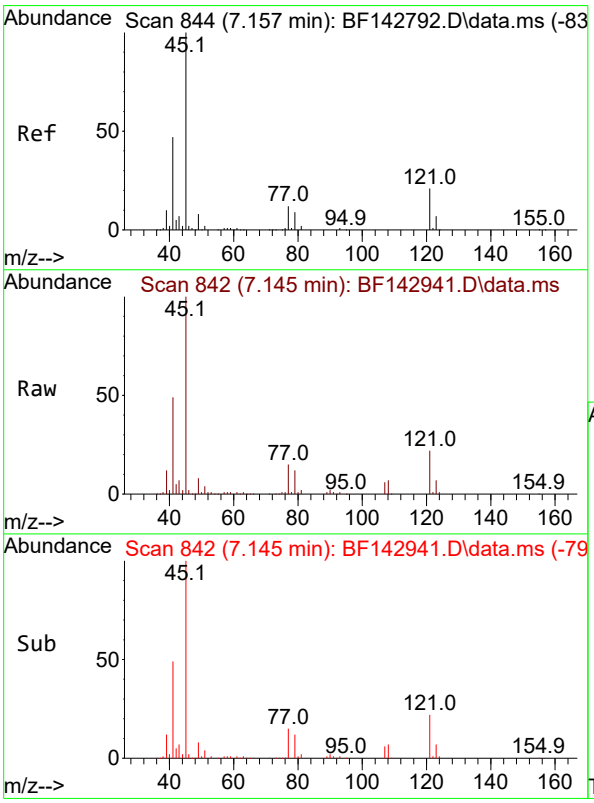
#15
Benzyl Alcohol
Concen: 38.097 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 103047

Ion	Ratio	Lower	Upper
79	100		
108	78.4	63.4	95.0
77	61.8	49.5	74.3

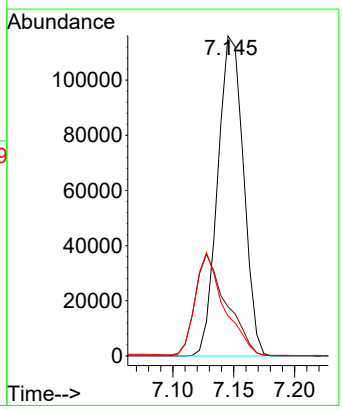


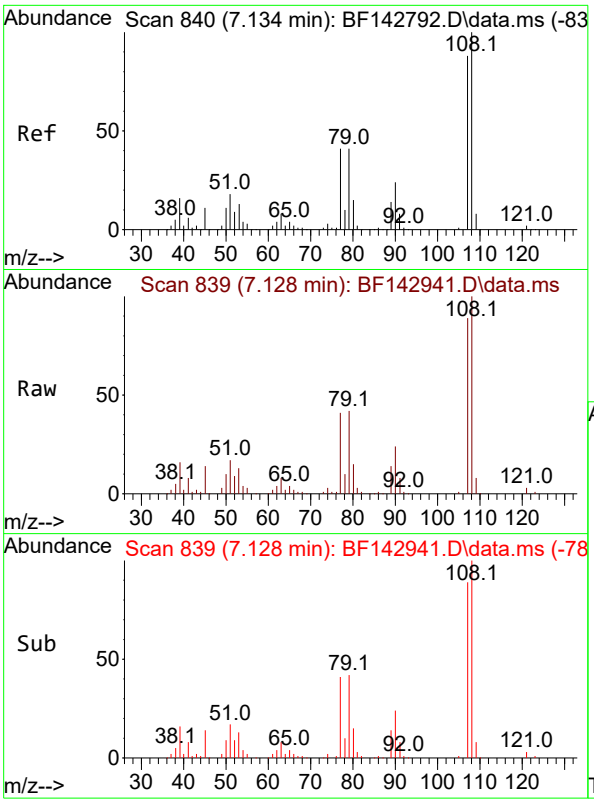


#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.830 ng
RT: 7.145 min Scan# 842
Delta R.T. -0.012 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion: 45 Resp: 171116

Ion	Ratio	Lower	Upper
45	100		
77	15.4	0.0	32.8
79	12.5	0.0	29.8



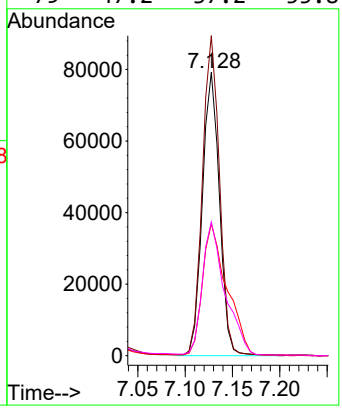


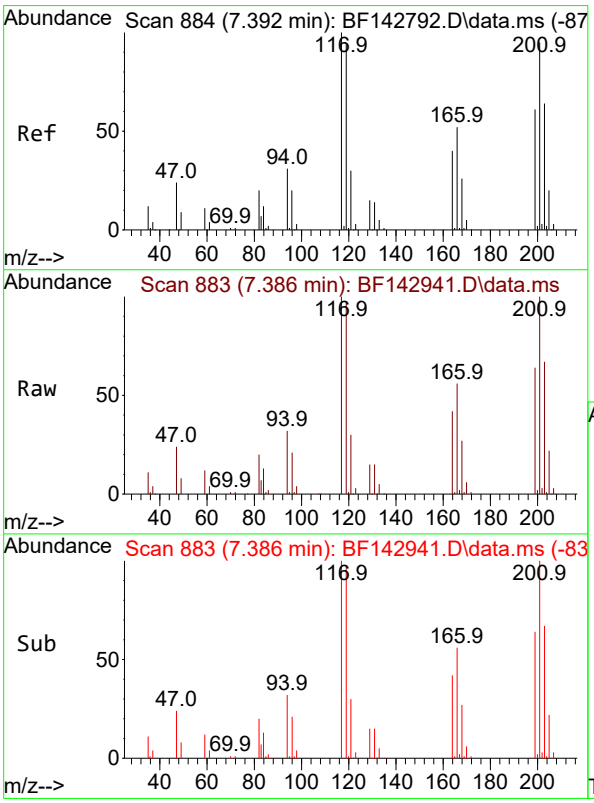
#17
2-Methylphenol
Concen: 38.404 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 99560

Ion	Ratio	Lower	Upper
107	100		
108	112.9	90.9	136.3
77	46.5	37.3	55.9
79	47.2	37.2	55.8

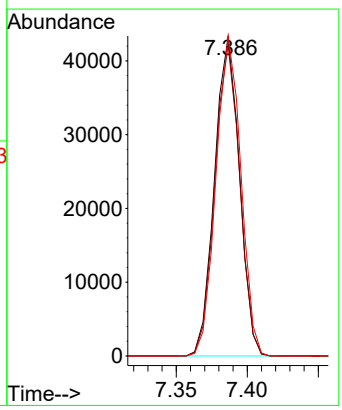


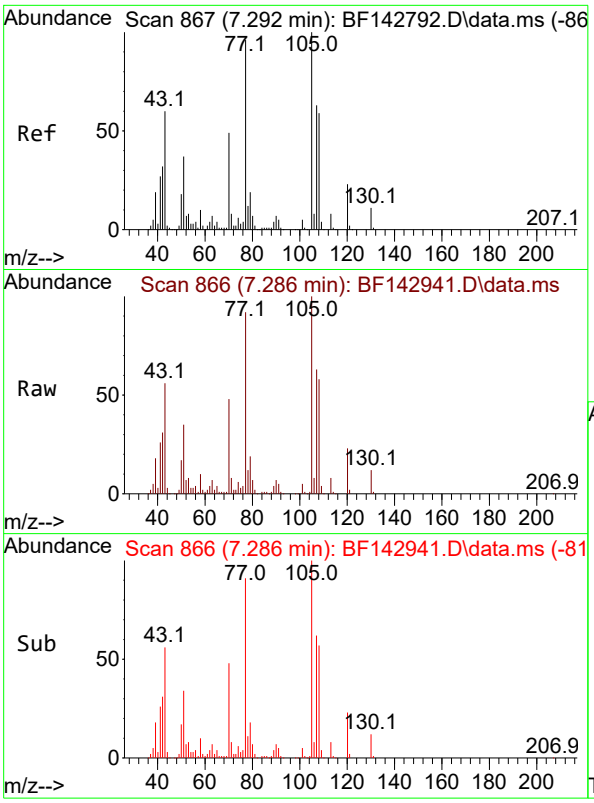


#18
Hexachloroethane
Concen: 39.043 ng
RT: 7.386 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:117 Resp: 52714

Ion	Ratio	Lower	Upper
117	100		
119	97.6	75.4	113.0
201	100.4	75.9	113.9



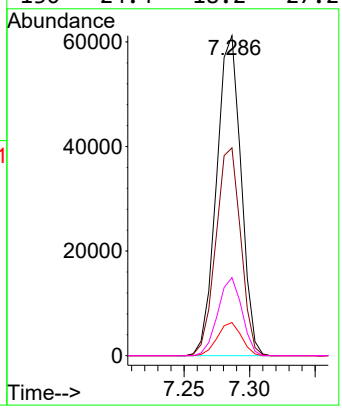


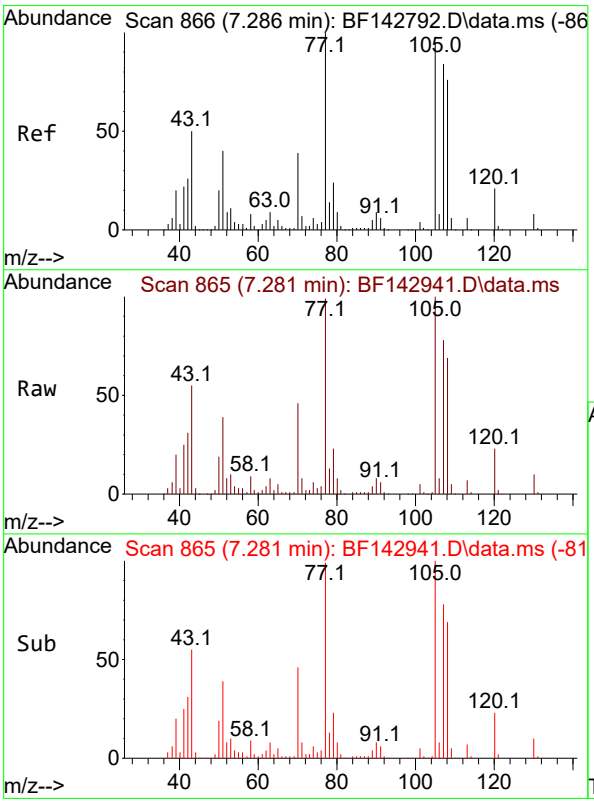
#19
n-Nitroso-di-n-propylamine
Concen: 36.476 ng
RT: 7.286 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 79376

Ion	Ratio	Lower	Upper
70	100		
42	64.9	52.1	78.1
101	10.3	8.2	12.2
130	24.4	18.2	27.2

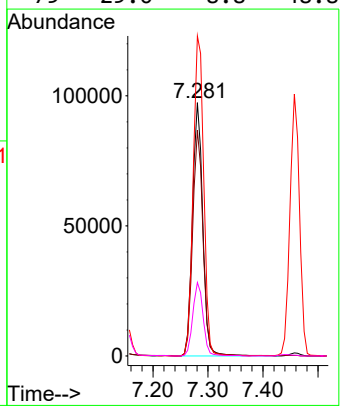


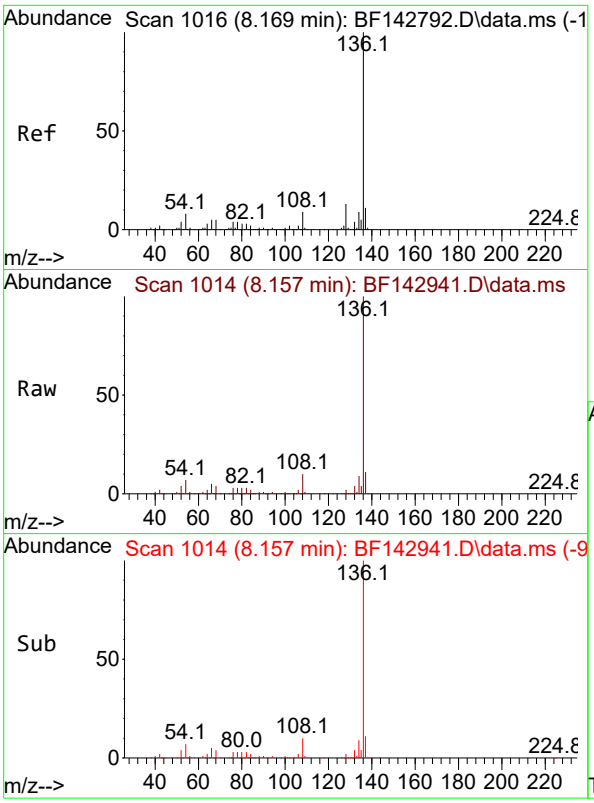


#20
3+4-Methylphenols
Concen: 39.219 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:107 Resp: 126768

Ion	Ratio	Lower	Upper
107	100		
108	89.1	70.0	110.0
77	126.4	98.5	138.5
79	29.0	8.8	48.8



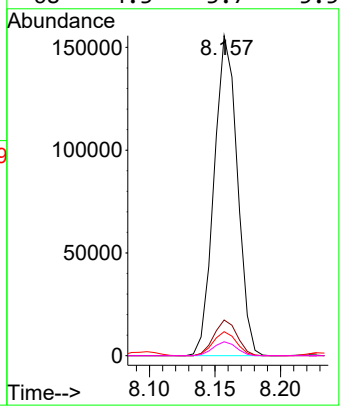


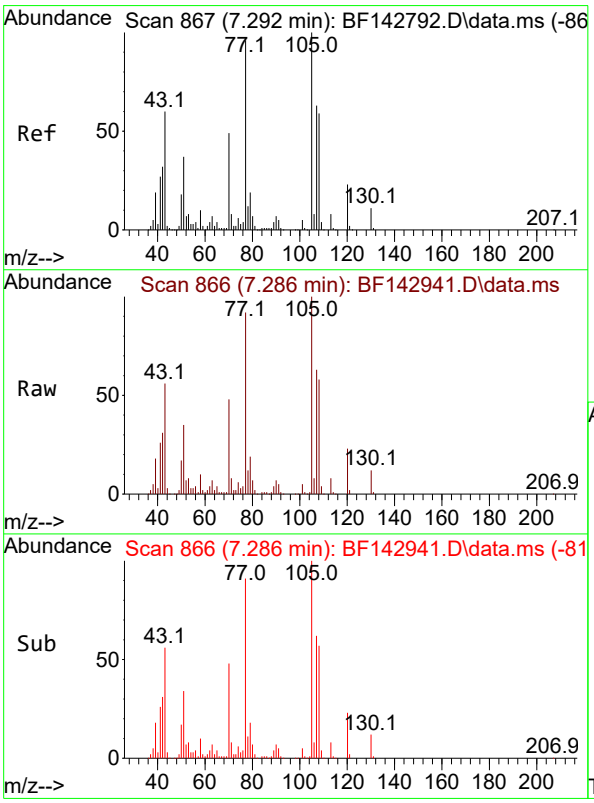
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 192179

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	7.5	6.3	9.5
68	4.3	3.7	5.5

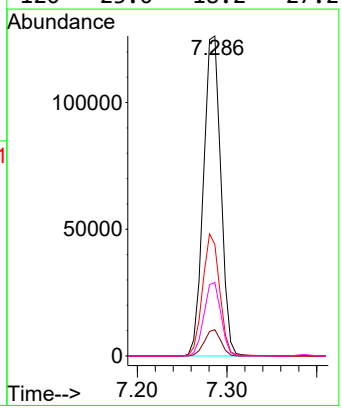


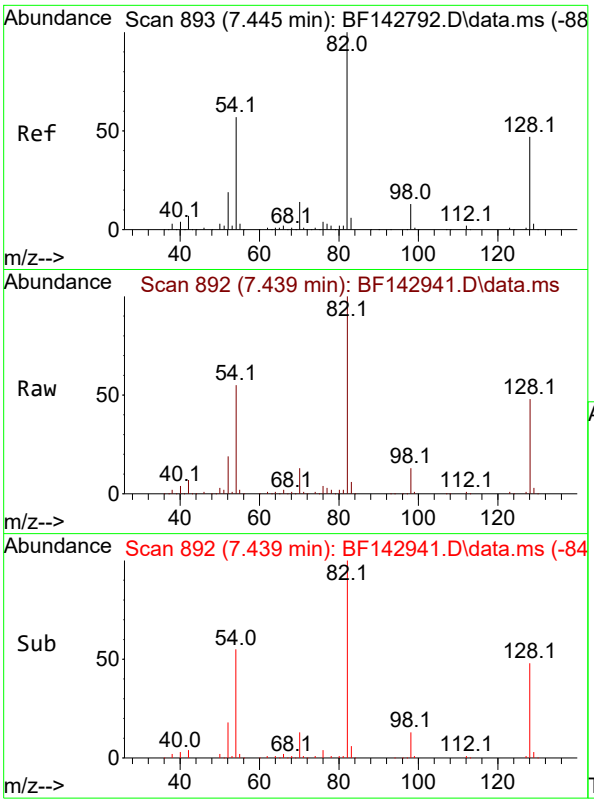


#22
Acetophenone
Concen: 39.943 ng
RT: 7.286 min Scan# 866
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:105 Resp: 169276

Ion	Ratio	Lower	Upper
105	100		
71	8.2	6.5	9.7
51	34.8	29.8	44.8
120	23.0	18.2	27.2



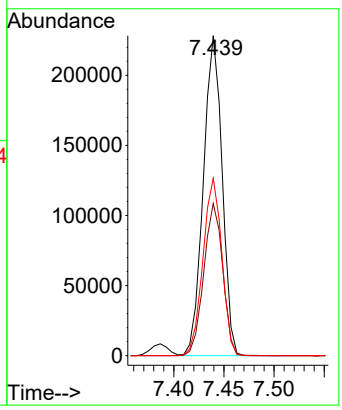


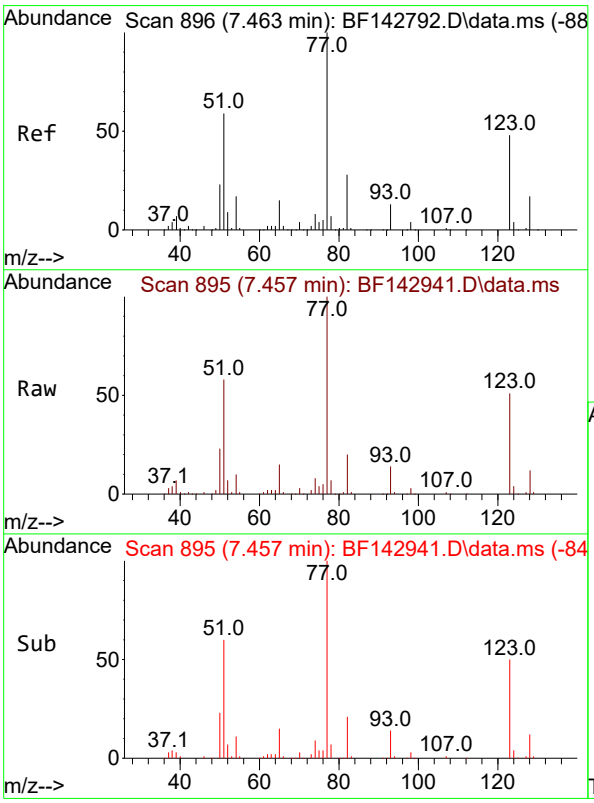
#23
Nitrobenzene-d5
Concen: 85.123 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 298243

Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.7	56.5
54	55.4	45.7	68.5

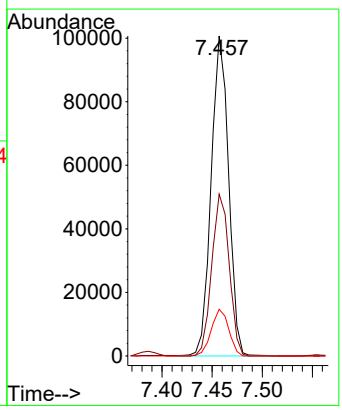


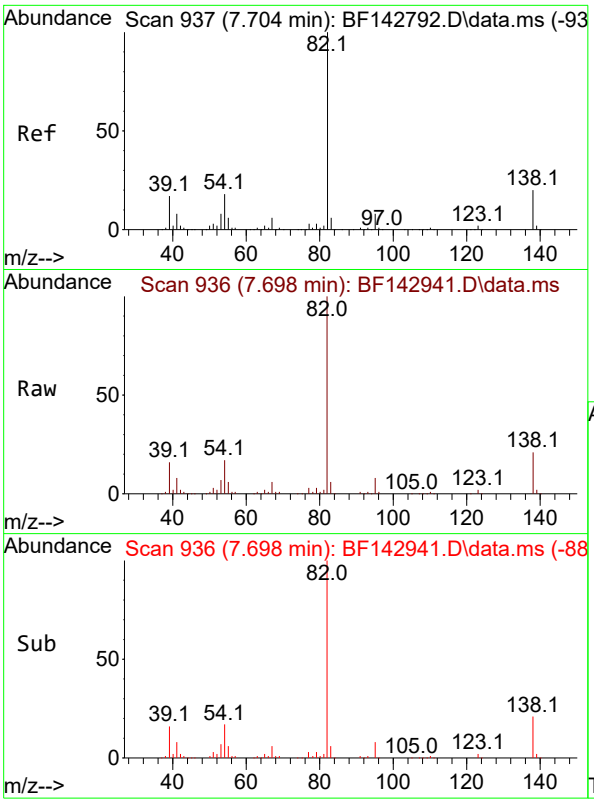


#24
Nitrobenzene
Concen: 38.367 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion: 77 Resp: 121669

Ion	Ratio	Lower	Upper
77	100		
123	50.6	39.2	58.8
65	14.6	11.6	17.4



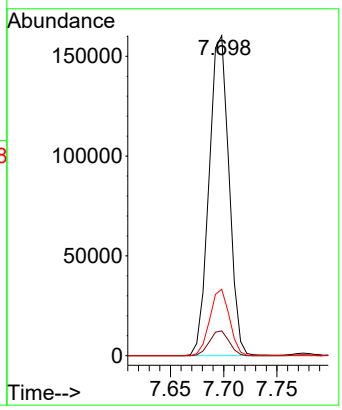


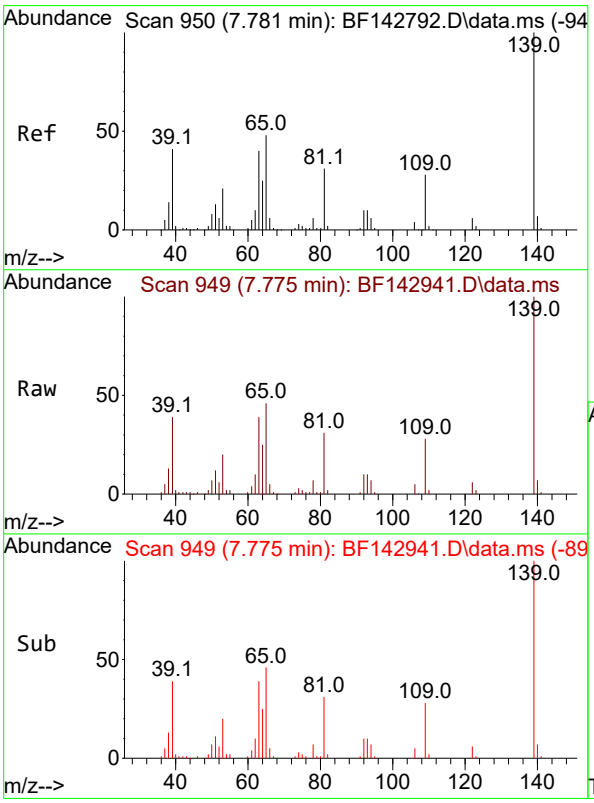
#25
Isophorone
Concen: 37.126 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 208665

Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.2	9.2
138	20.7	16.2	24.4

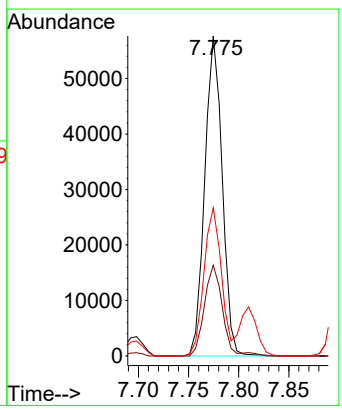


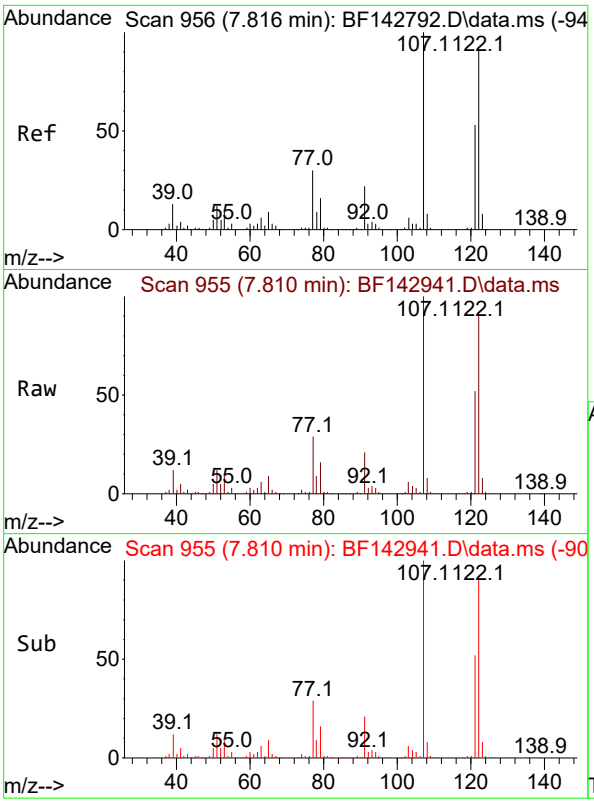


#26
2-Nitrophenol
Concen: 40.491 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:139 Resp: 69947

Ion	Ratio	Lower	Upper
139	100		
109	28.4	22.7	34.1
65	46.3	38.6	58.0



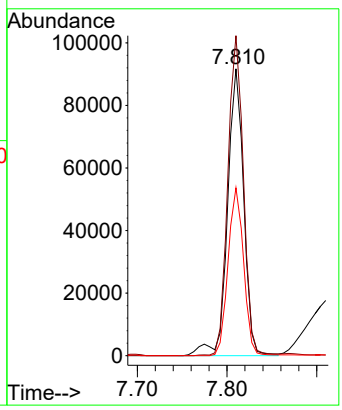


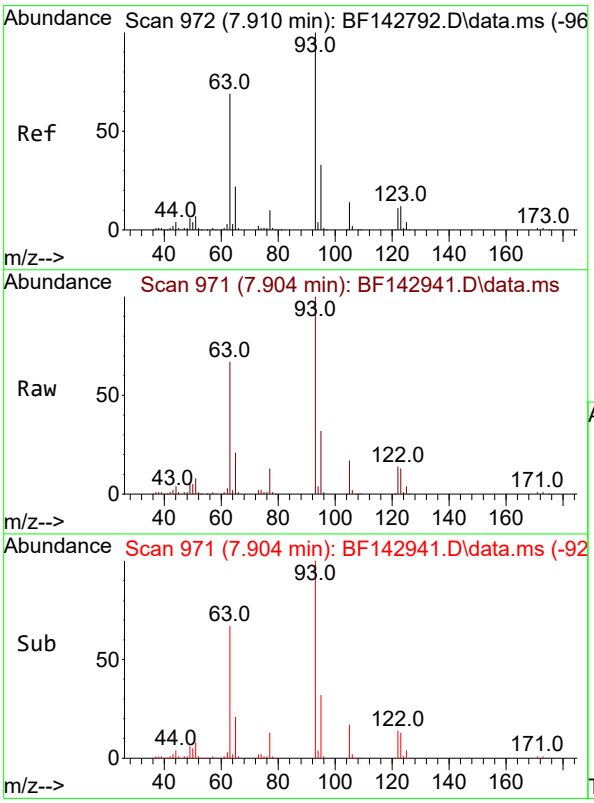
#27
2,4-Dimethylphenol
Concen: 38.331 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 114696

Ion	Ratio	Lower	Upper
122	100		
107	111.6	88.0	132.0
121	58.5	46.3	69.5

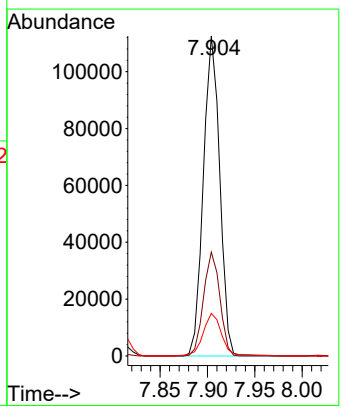


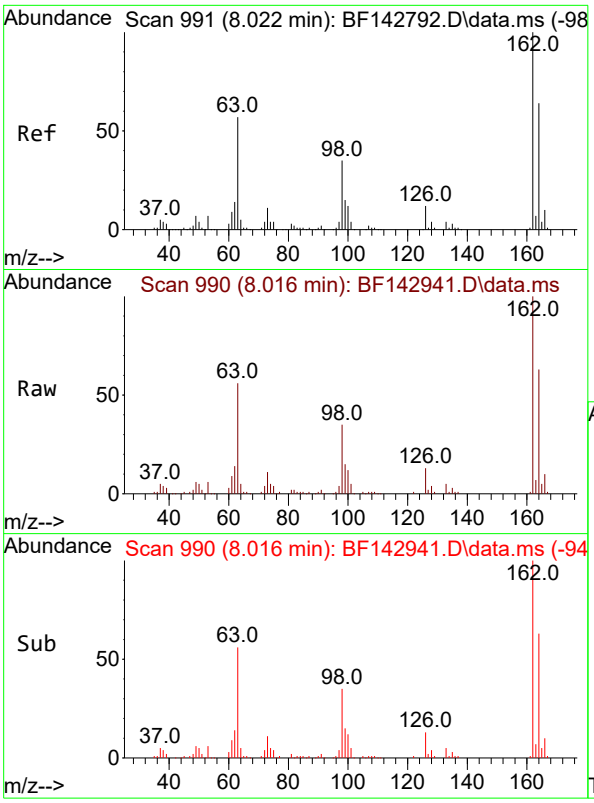


#28
bis(2-Chloroethoxy)methane
Concen: 37.774 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion: 93 Resp: 134974

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.2	39.2
123	13.3	9.9	14.9



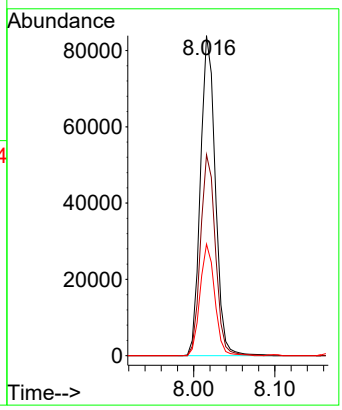


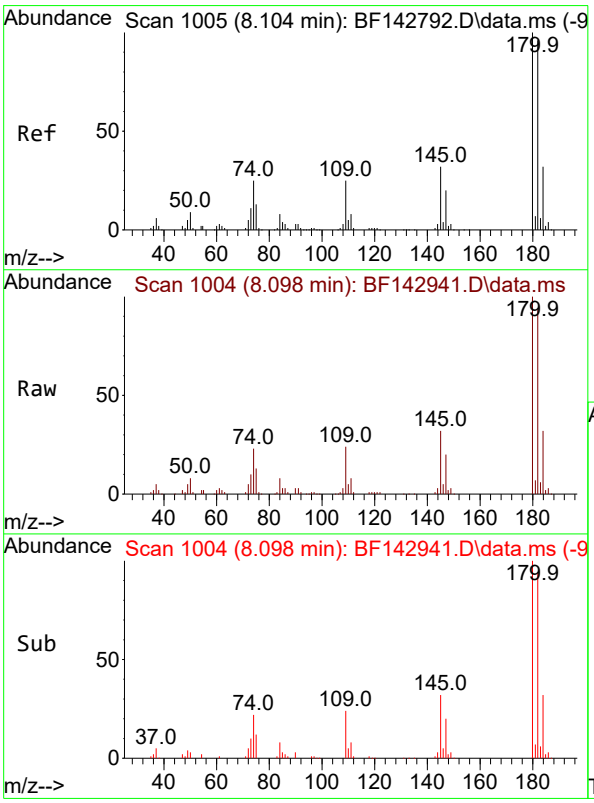
#29
2,4-Dichlorophenol
Concen: 39.433 ng
RT: 8.016 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 106987

Ion	Ratio	Lower	Upper
162	100		
164	62.8	44.0	84.0
98	34.9	15.4	55.4

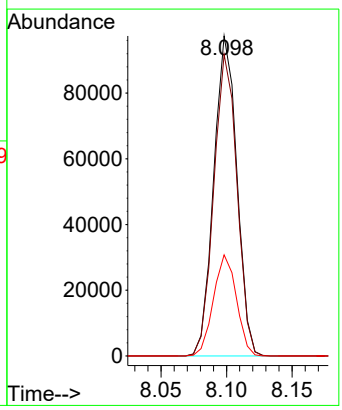


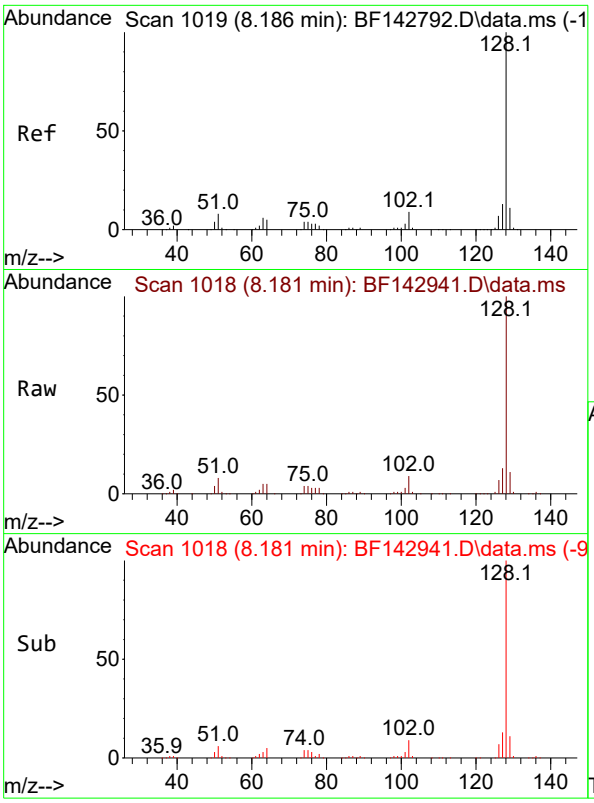


#30
1,2,4-Trichlorobenzene
Concen: 39.958 ng
RT: 8.098 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:180 Resp: 119210

Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.4	114.6
145	31.6	25.8	38.8



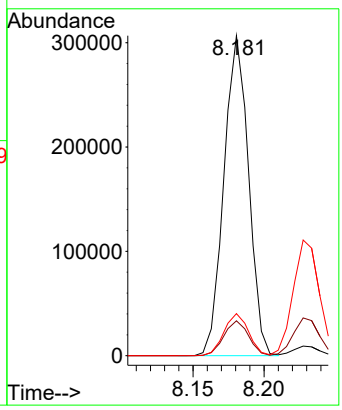


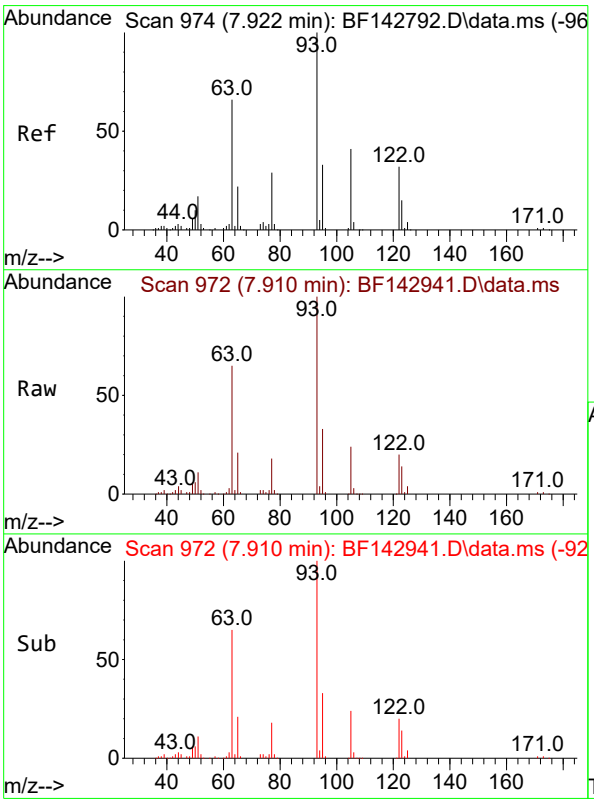
#31
Naphthalene
Concen: 39.287 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 369566

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.2	10.4	15.6

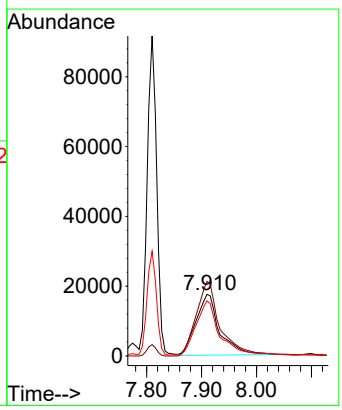


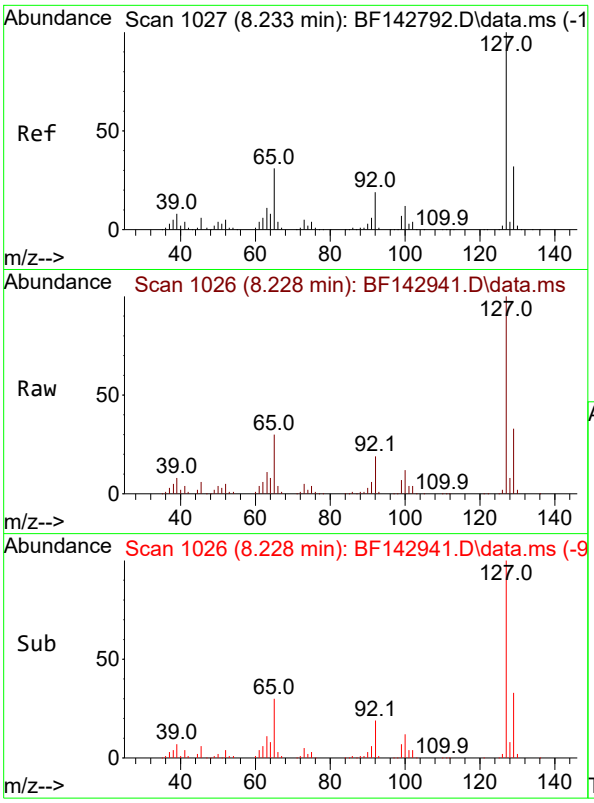


#32
Benzoic acid
Concen: 34.311 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.012 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:122 Resp: 52328

Ion	Ratio	Lower	Upper
122	100		
105	121.1	104.7	144.7
77	89.4	70.2	110.2



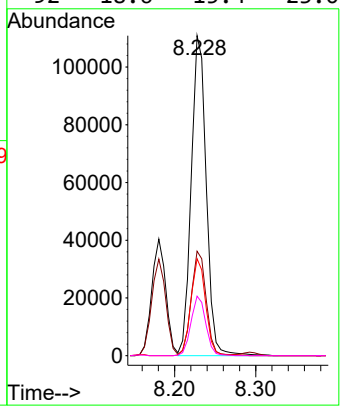


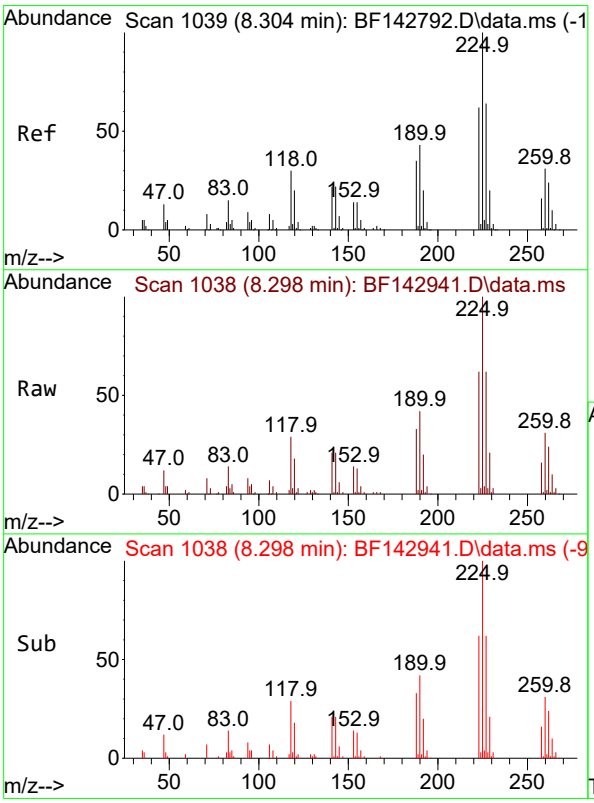
#33
4-Chloroaniline
Concen: 37.451 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 143249

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.9	38.9
65	30.3	24.6	36.8
92	18.6	15.4	23.0

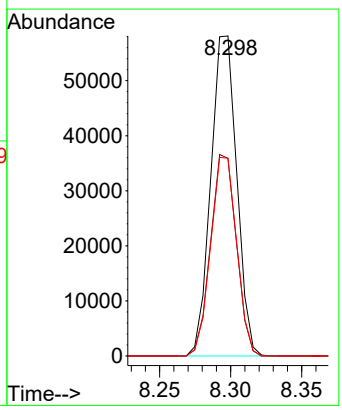


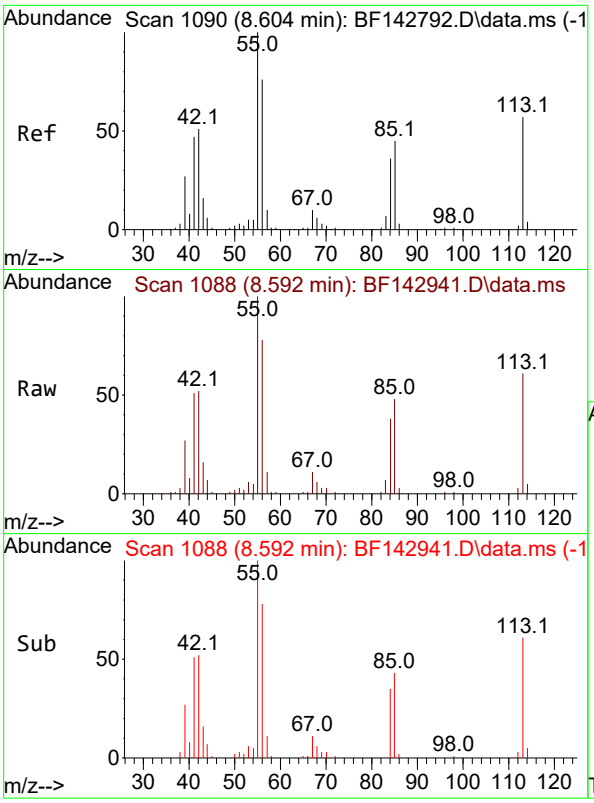


#34
Hexachlorobutadiene
Concen: 40.514 ng
RT: 8.298 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:225 Resp: 73934

Ion	Ratio	Lower	Upper
225	100		
223	61.8	49.9	74.9
227	61.8	51.4	77.0



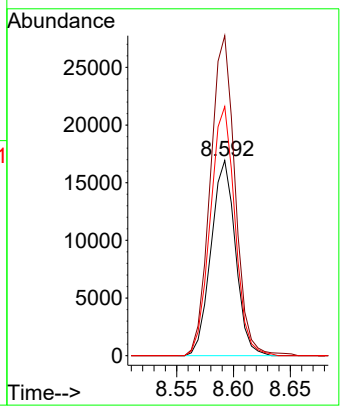


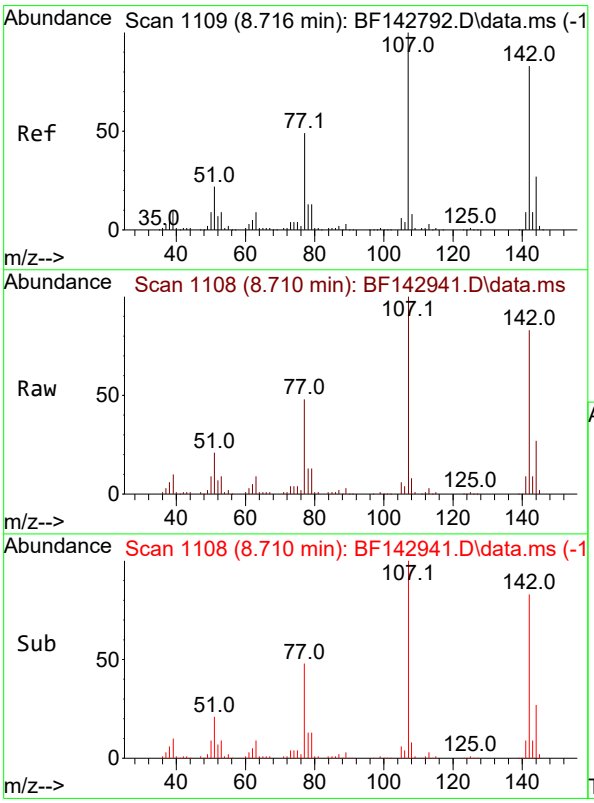
#35
Caprolactam
Concen: 35.294 ng
RT: 8.592 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 25268

Ion	Ratio	Lower	Upper
113	100		
55	163.9	154.4	194.4
56	127.6	112.1	152.1

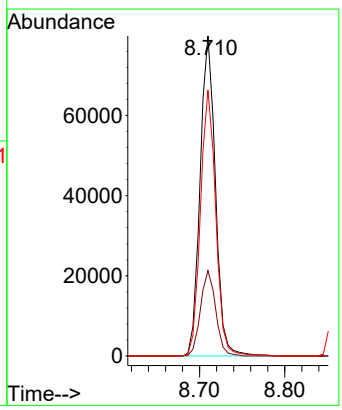


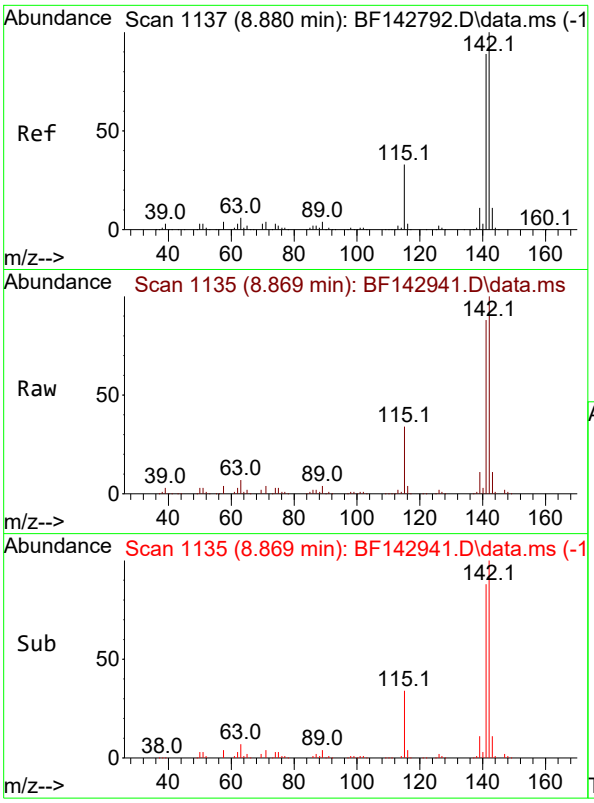


#36
4-Chloro-3-methylphenol
Concen: 36.969 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:107 Resp: 99683

Ion	Ratio	Lower	Upper
107	100		
144	26.7	21.3	31.9
142	83.1	66.6	100.0



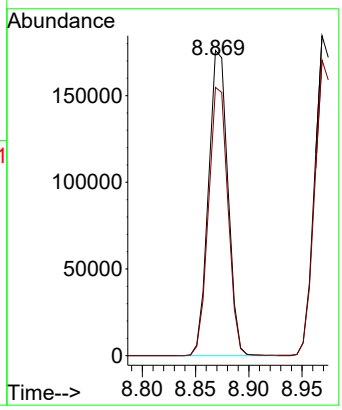


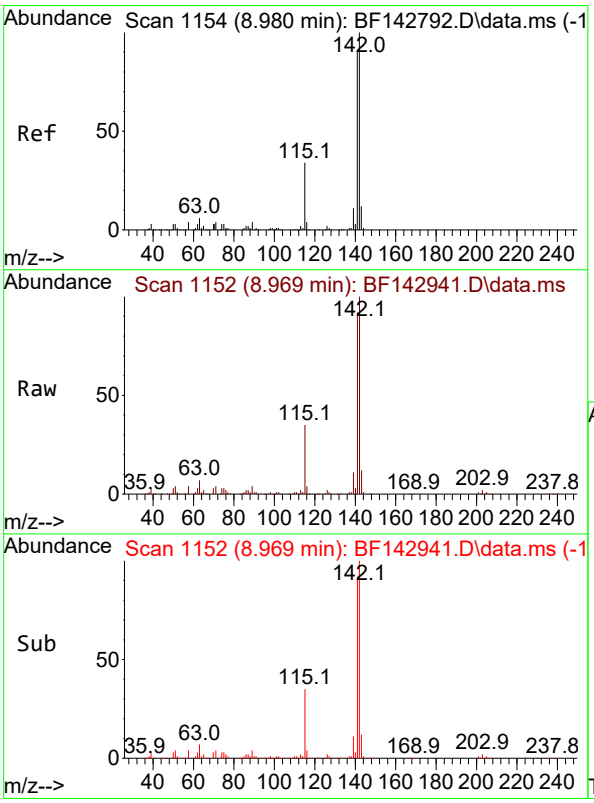
#37
2-Methylnaphthalene
Concen: 38.288 ng
RT: 8.869 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 223291

Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.9	106.3

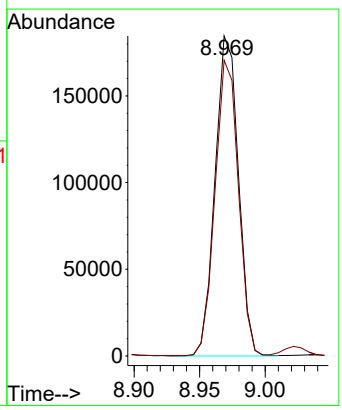


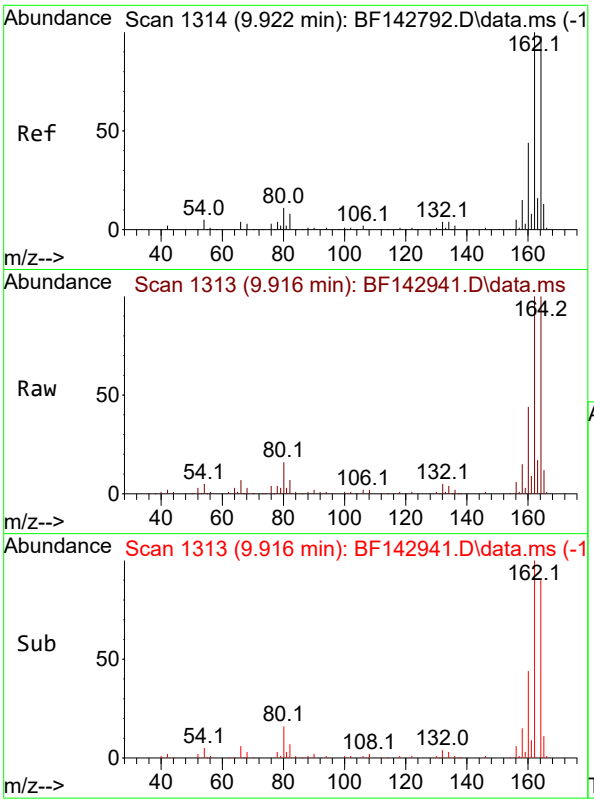


#38
1-Methylnaphthalene
Concen: 37.822 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.012 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:142 Resp: 228336

Ion	Ratio	Lower	Upper
142	100		
141	92.4	73.0	109.4



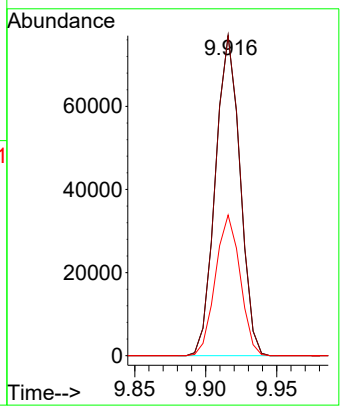


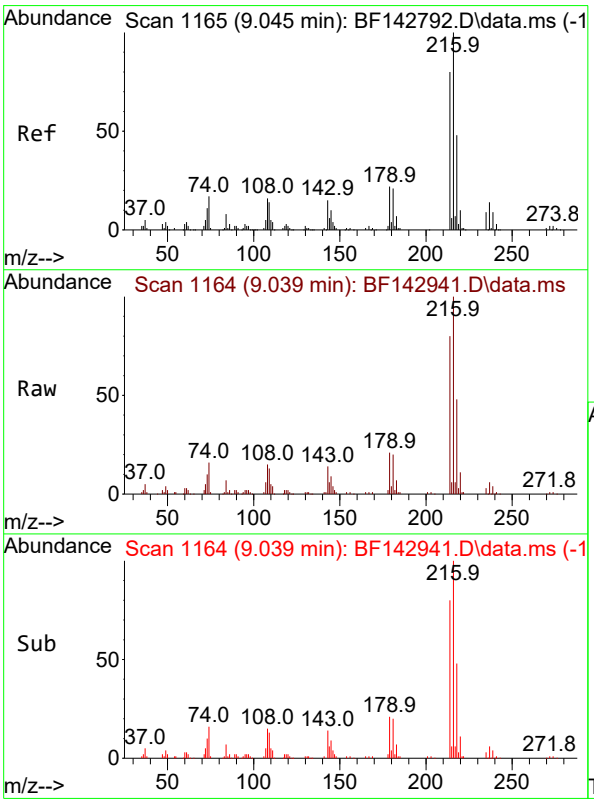
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 92751

Ion	Ratio	Lower	Upper
164	100		
162	100.0	81.8	122.8
160	43.9	36.0	54.0

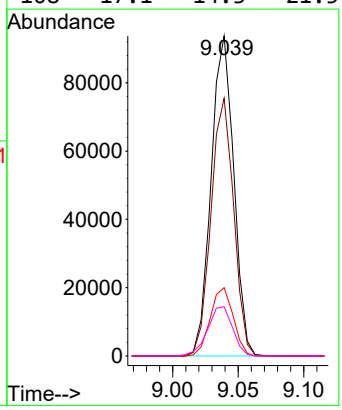


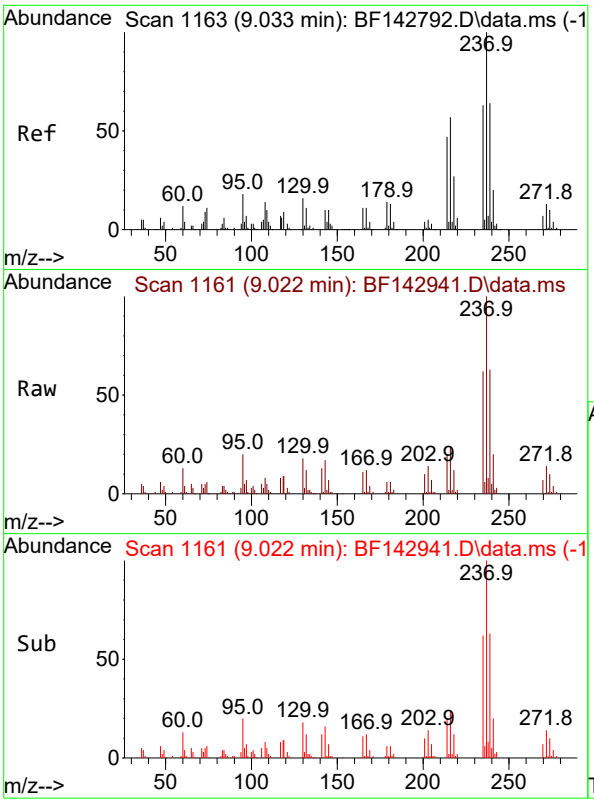


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.043 ng
RT: 9.039 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:216 Resp: 112325

Ion	Ratio	Lower	Upper
216	100		
214	80.5	63.7	95.5
179	21.6	17.6	26.4
108	17.1	14.3	21.5



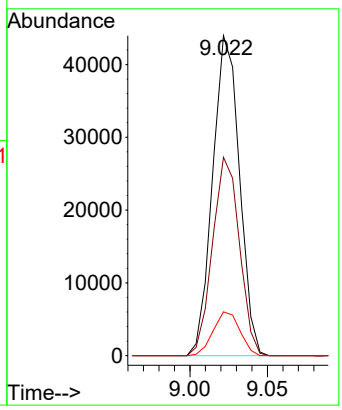


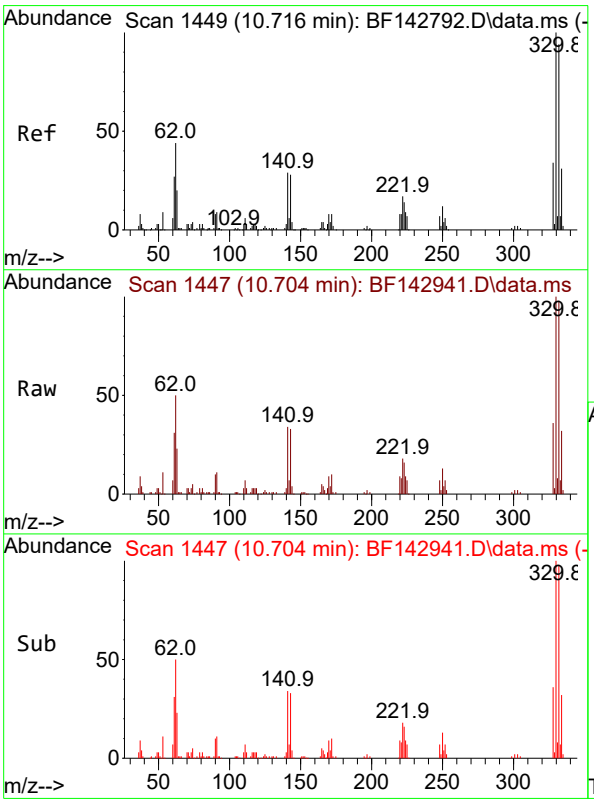
#41
Hexachlorocyclopentadiene
Concen: 34.065 ng
RT: 9.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 52906

Ion	Ratio	Lower	Upper
237	100		
235	62.0	43.4	83.4
272	13.7	0.0	32.7

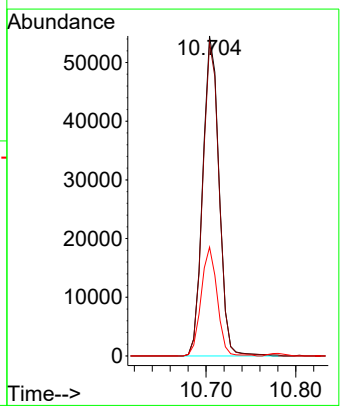


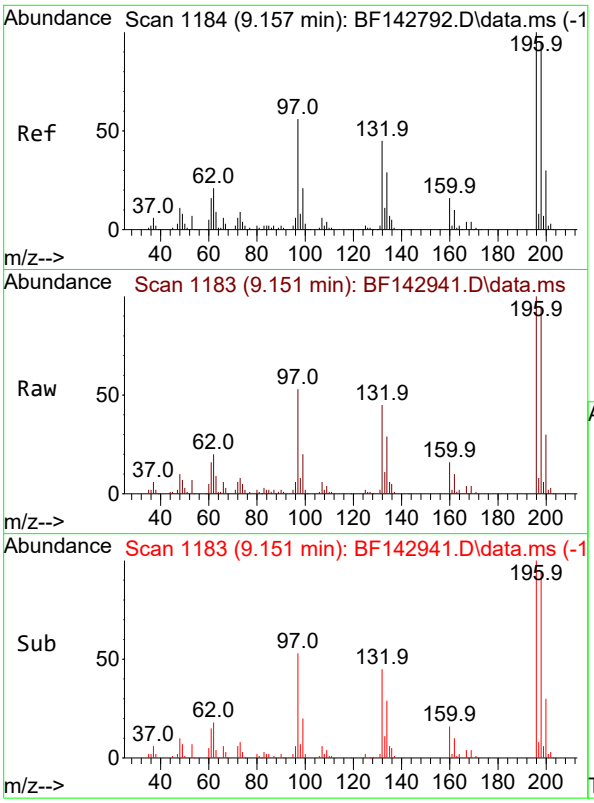


#42
2,4,6-Tribromophenol
Concen: 71.936 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:330 Resp: 68661

Ion	Ratio	Lower	Upper
330	100		
332	98.4	75.0	112.6
141	33.5	25.3	37.9



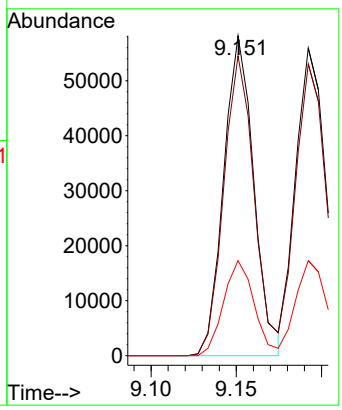


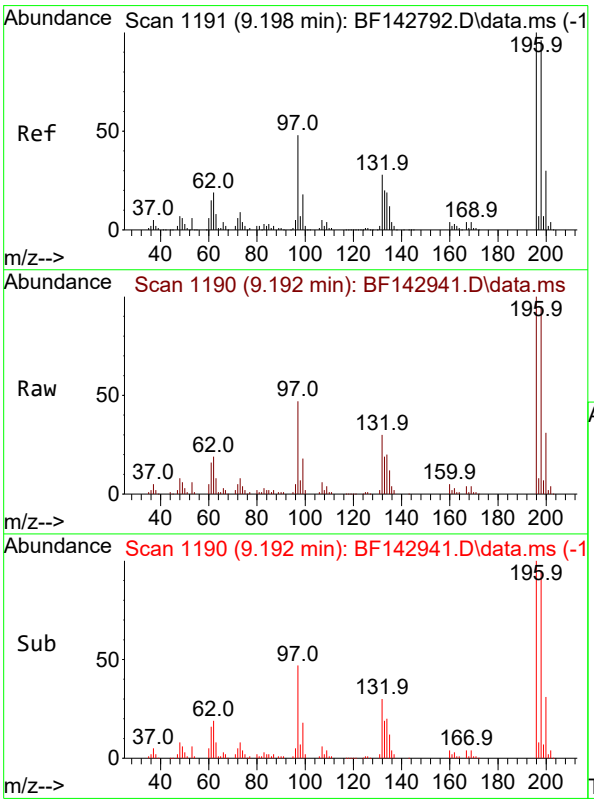
#43
2,4,6-Trichlorophenol
Concen: 40.152 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 71605

Ion	Ratio	Lower	Upper
196	100		
198	93.7	76.2	114.2
200	29.7	24.1	36.1

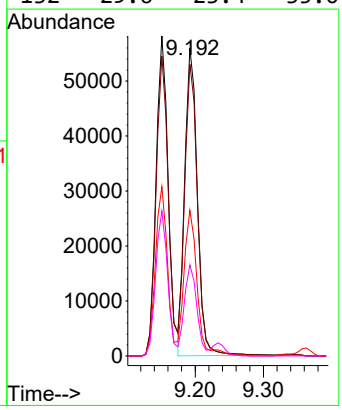


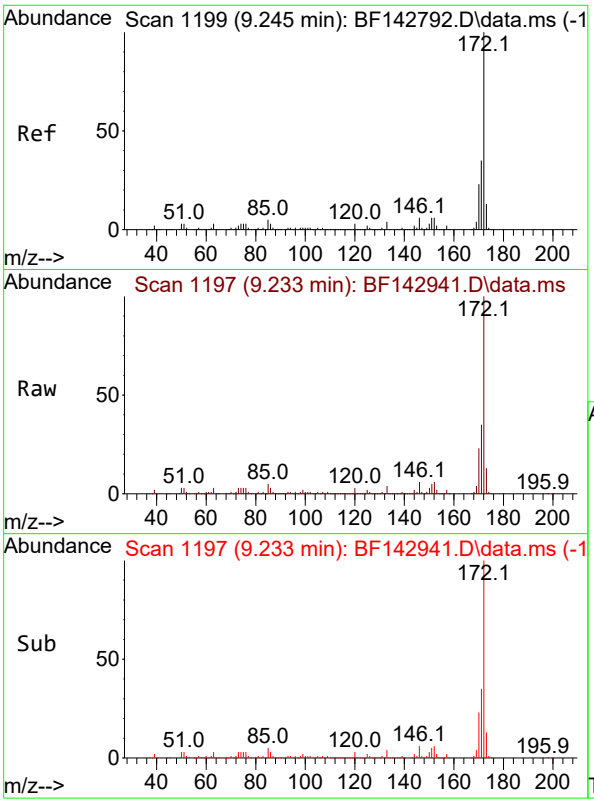


#44
2,4,5-Trichlorophenol
Concen: 38.208 ng
RT: 9.192 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:196 Resp: 71728

Ion	Ratio	Lower	Upper
196	100		
198	94.8	76.6	115.0
97	47.4	38.2	57.2
132	29.6	23.4	35.0



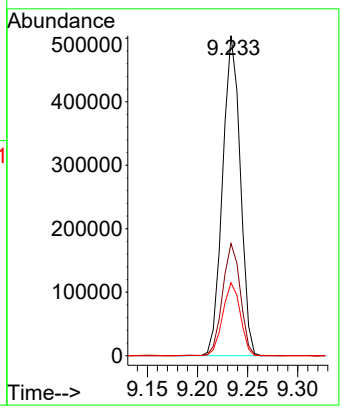


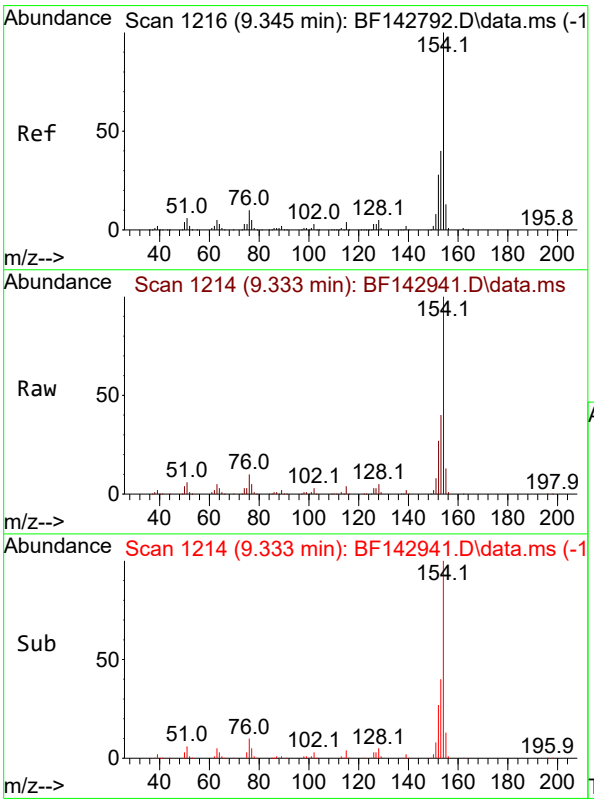
#45
2-Fluorobiphenyl
Concen: 87.549 ng
RT: 9.233 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 618133

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.4
170	22.8	18.5	27.7

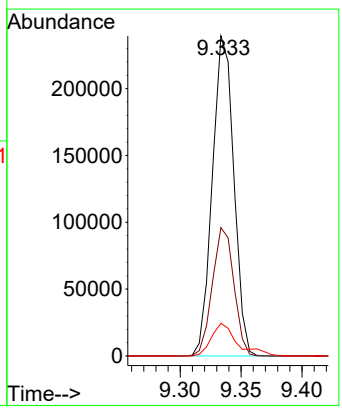


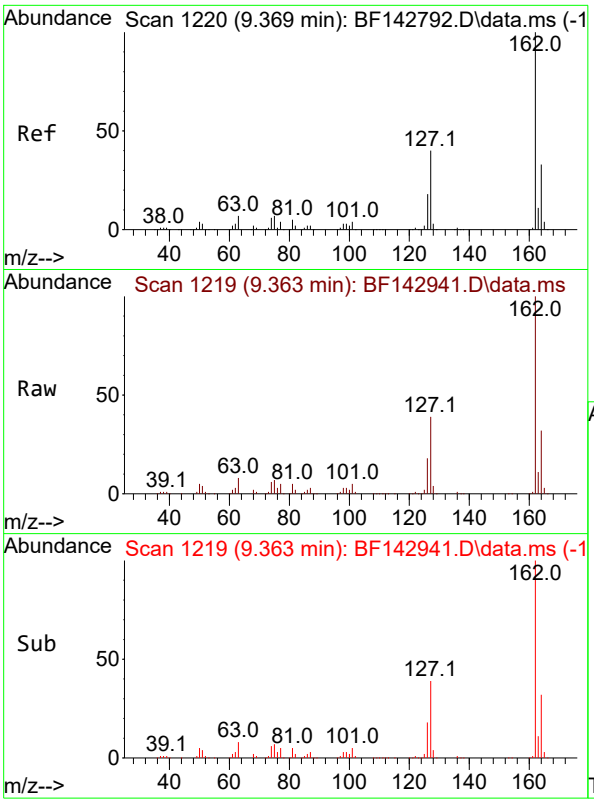


#46
1,1'-Biphenyl
Concen: 40.008 ng
RT: 9.333 min Scan# 1214
Delta R.T. -0.012 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:154 Resp: 293133

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.3	60.3
76	10.2	0.0	30.3



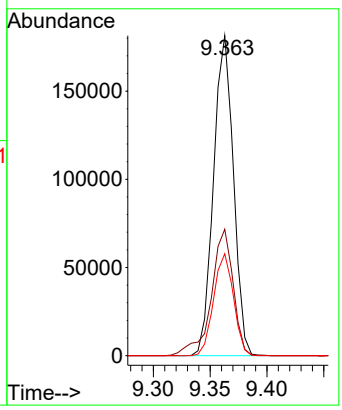


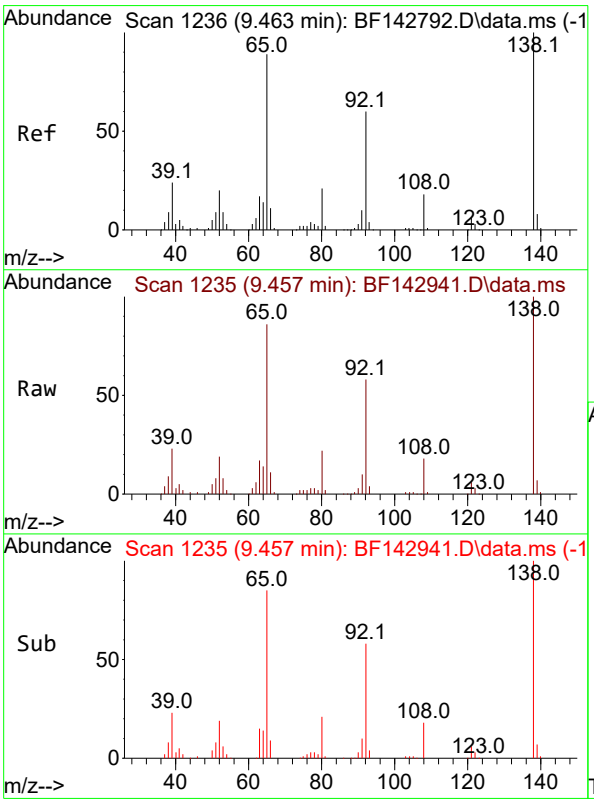
#47
2-Chloronaphthalene
Concen: 40.175 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 220890

Ion	Ratio	Lower	Upper
162	100		
127	39.5	32.2	48.2
164	31.9	26.1	39.1

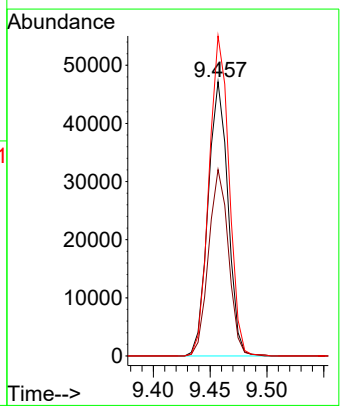


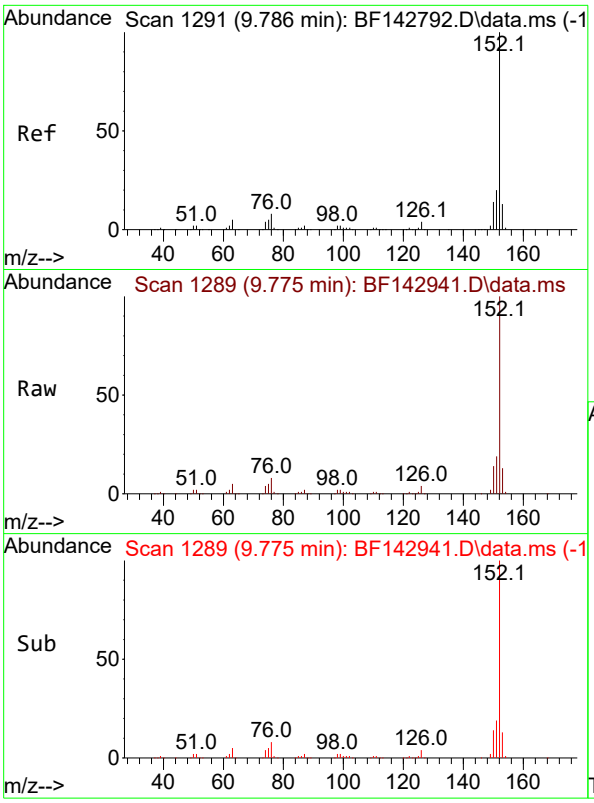


#48
2-Nitroaniline
Concen: 37.332 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion: 65 Resp: 57546

Ion	Ratio	Lower	Upper
65	100		
92	68.0	53.8	80.6
138	116.7	89.6	134.4



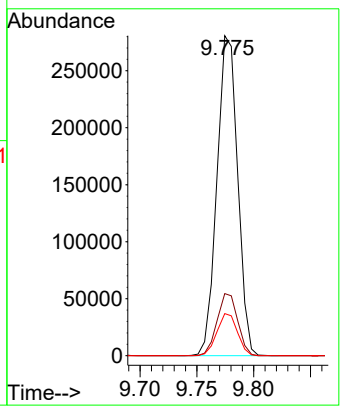


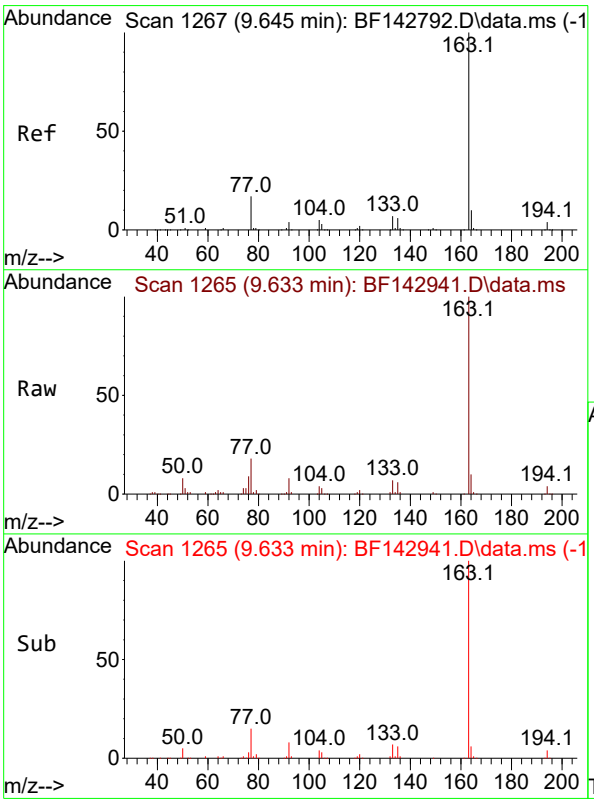
#49
Acenaphthylene
Concen: 39.366 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 356312

Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.1	24.1
153	13.2	10.4	15.6

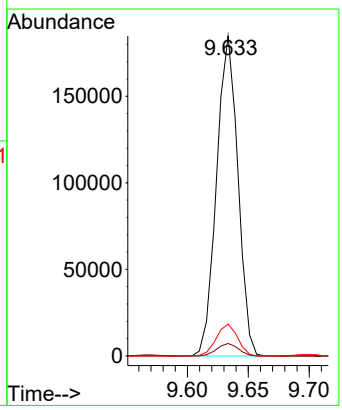


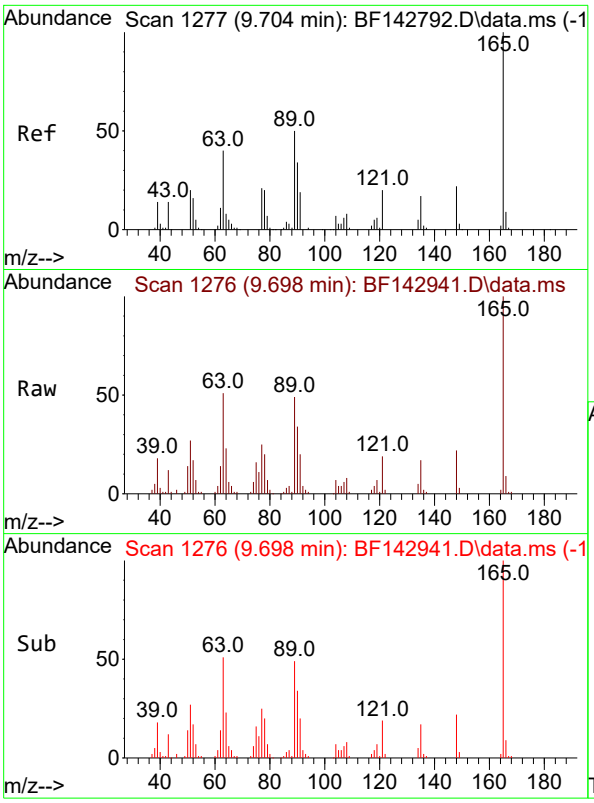


#50
Dimethylphthalate
Concen: 37.545 ng
RT: 9.633 min Scan# 1265
Delta R.T. -0.012 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:163 Resp: 225413

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	9.9	8.0	12.0



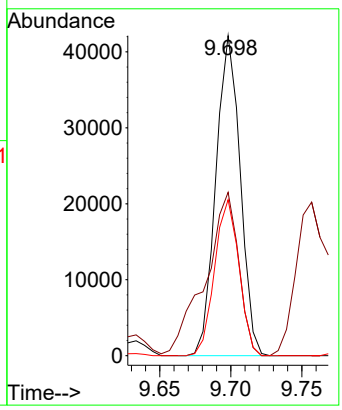


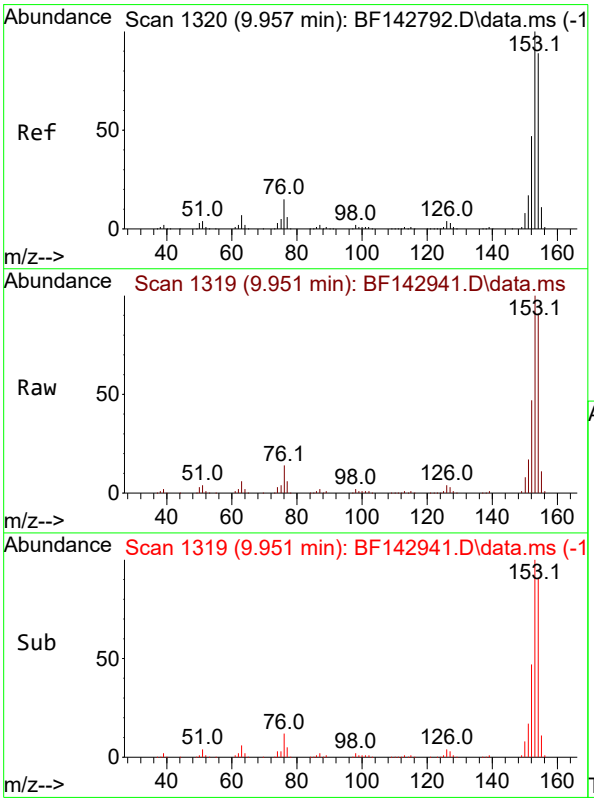
#51
2,6-Dinitrotoluene
Concen: 38.033 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 50146

Ion	Ratio	Lower	Upper
165	100		
63	51.0	44.2	66.4
89	48.8	39.8	59.8

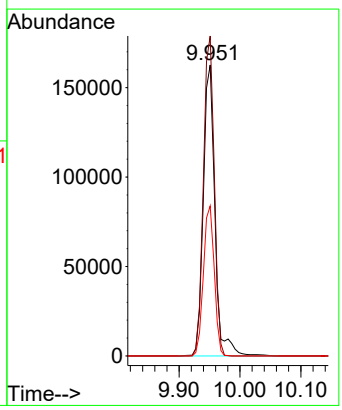


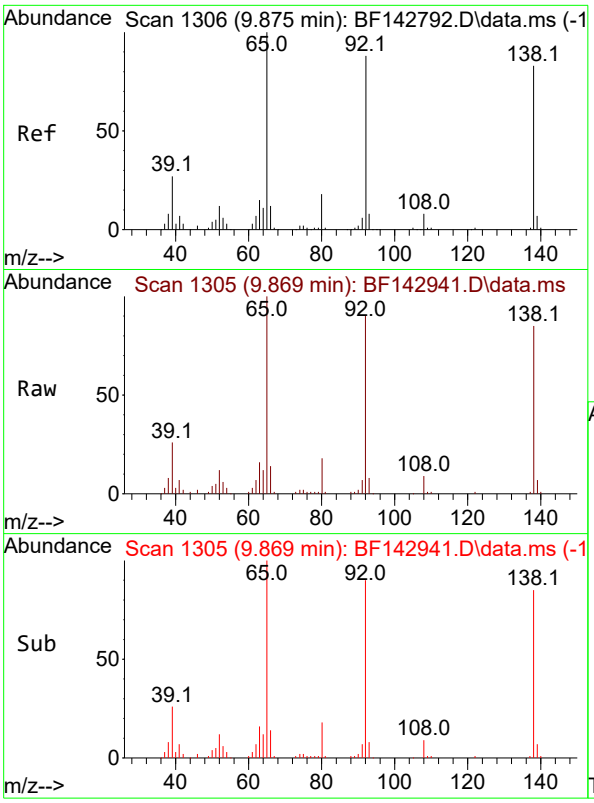


#52
Acenaphthene
Concen: 39.064 ng
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:154 Resp: 215725

Ion	Ratio	Lower	Upper
154	100		
153	110.0	90.0	135.0
152	51.6	41.9	62.9



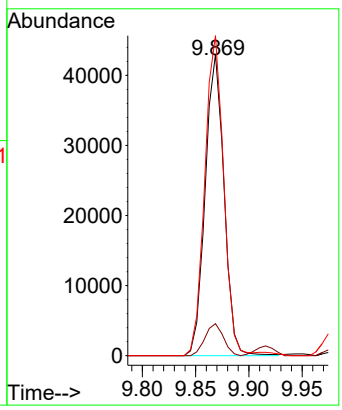


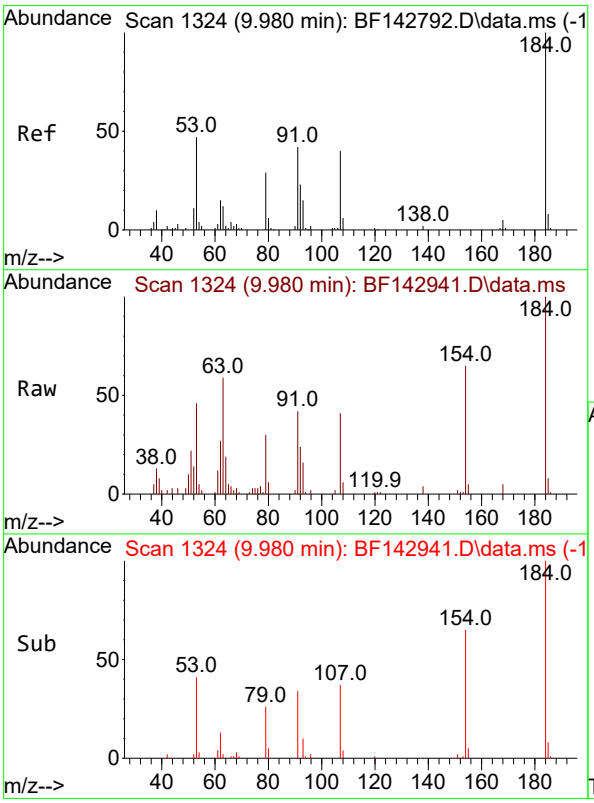
#53
3-Nitroaniline
Concen: 36.596 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 53126

Ion	Ratio	Lower	Upper
138	100		
108	10.6	8.1	12.1
92	106.2	85.1	127.7

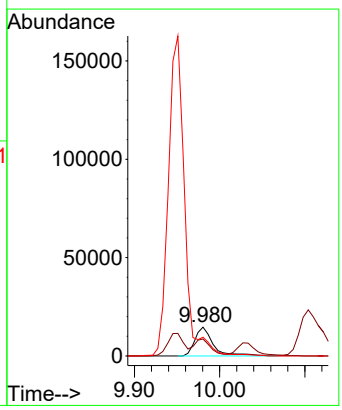


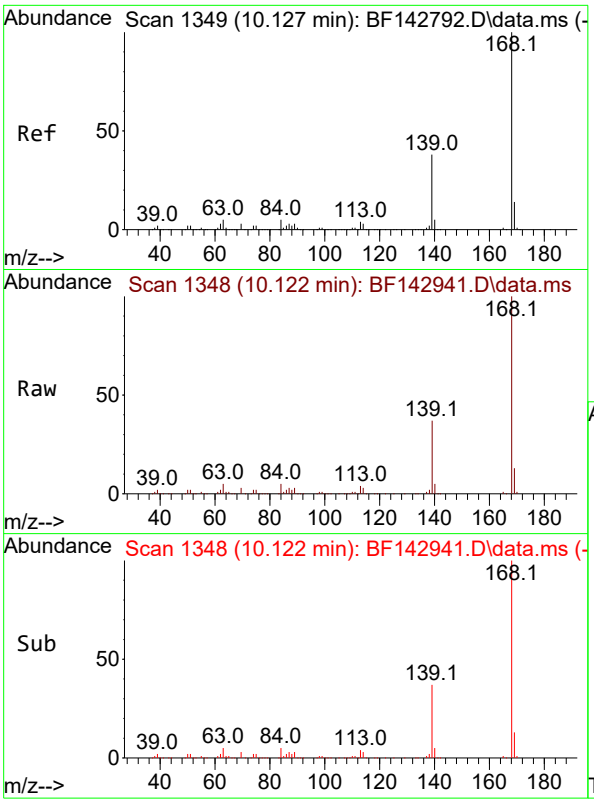


#54
2,4-Dinitrophenol
Concen: 33.175 ng
RT: 9.980 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:184 Resp: 21902

Ion	Ratio	Lower	Upper
184	100		
63	59.3	50.6	75.8
154	65.0	51.8	77.8



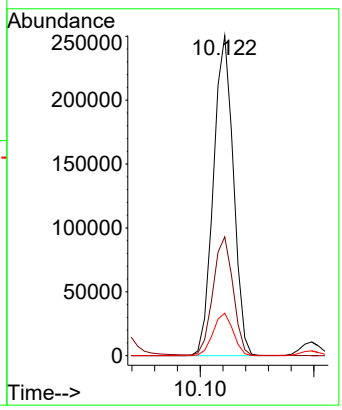


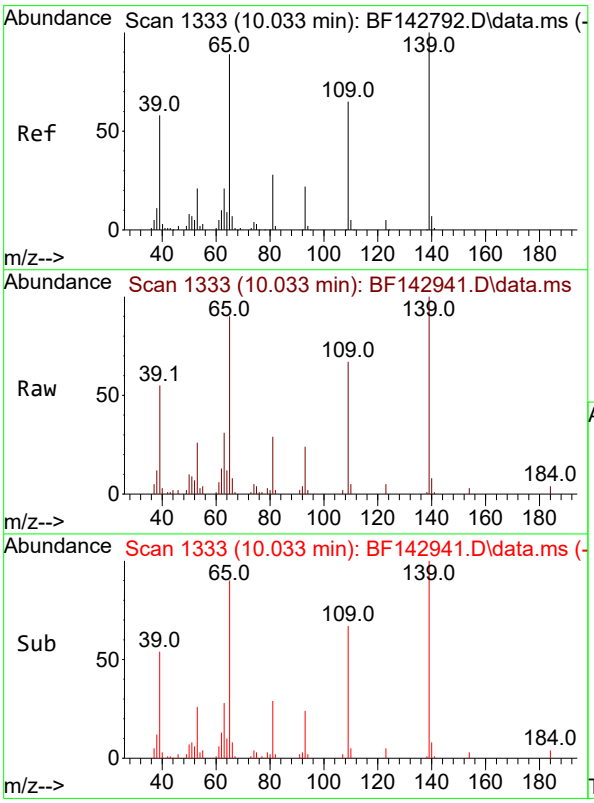
#55
Dibenzofuran
Concen: 38.558 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 305343

Ion	Ratio	Lower	Upper
168	100		
139	37.2	30.2	45.4
169	13.3	10.8	16.2

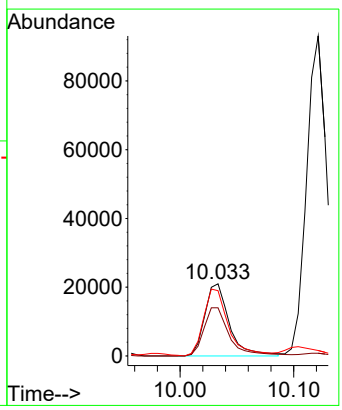


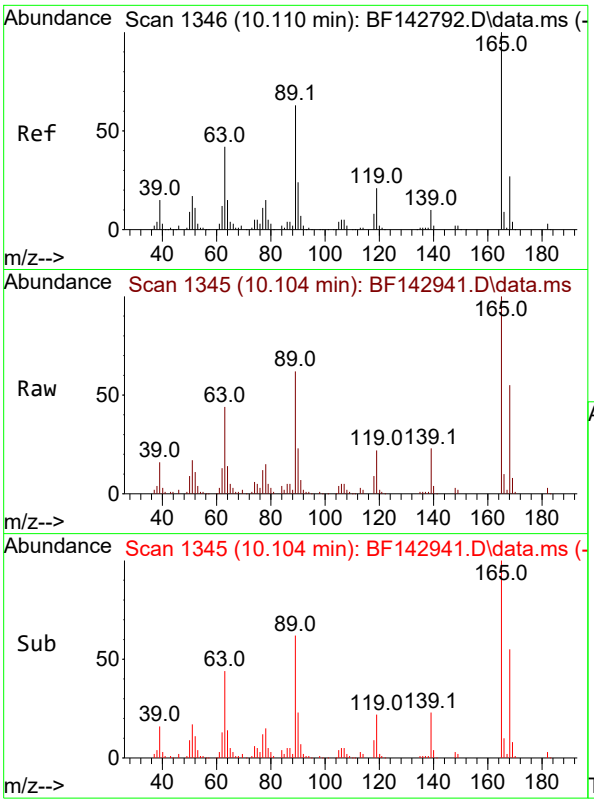


#56
4-Nitrophenol
Concen: 31.690 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:139 Resp: 31494

Ion	Ratio	Lower	Upper
139	100		
109	66.8	44.7	84.7
65	90.4	69.8	109.8



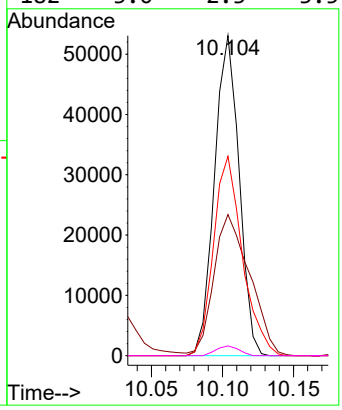


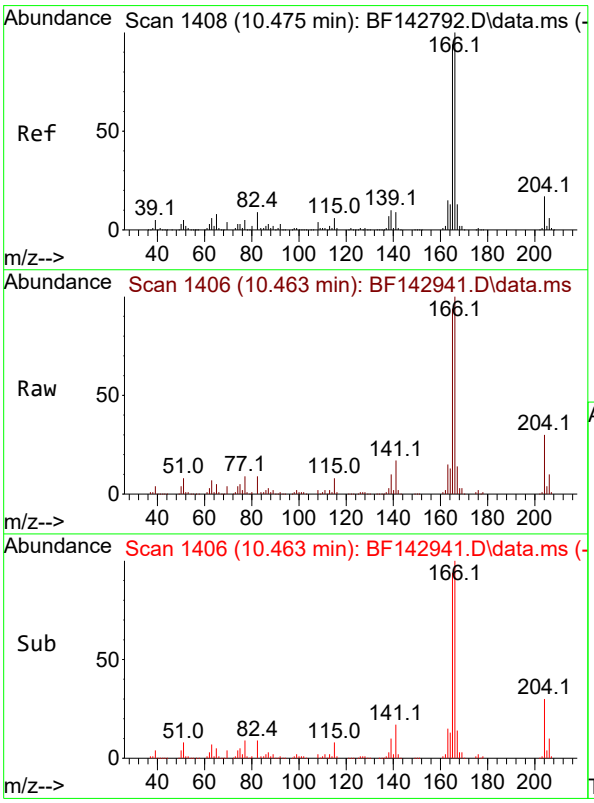
#57
2,4-Dinitrotoluene
Concen: 36.552 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 64015

Ion	Ratio	Lower	Upper
165	100		
63	44.1	33.9	50.9
89	62.3	50.6	75.8
182	3.0	2.3	3.5

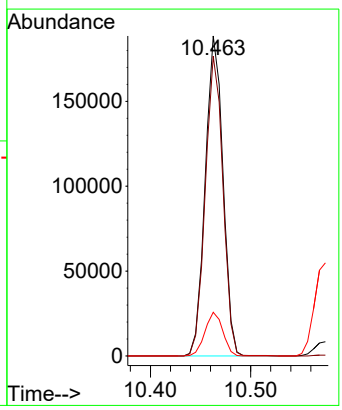


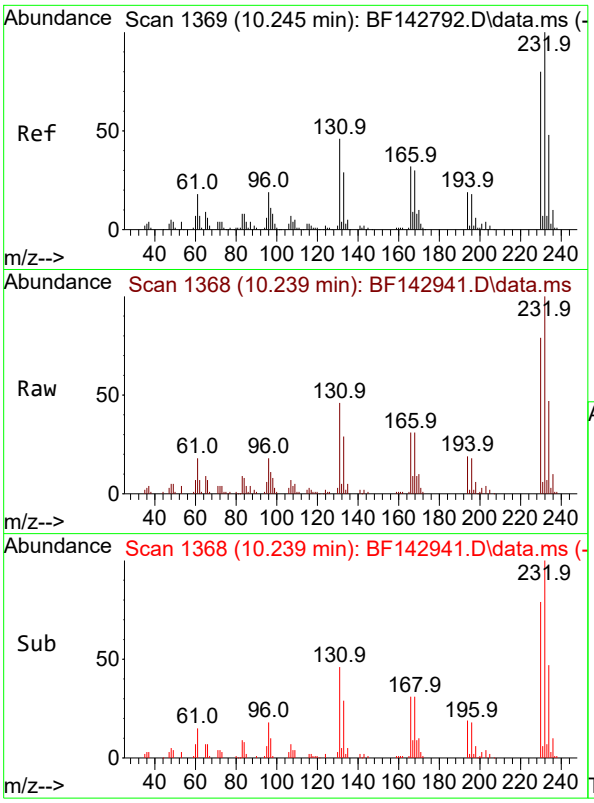


#58
Fluorene
Concen: 37.542 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:166 Resp: 232186

Ion	Ratio	Lower	Upper
166	100		
165	93.7	75.2	112.8
167	13.7	10.6	15.8



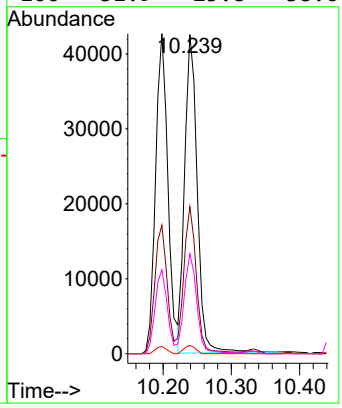


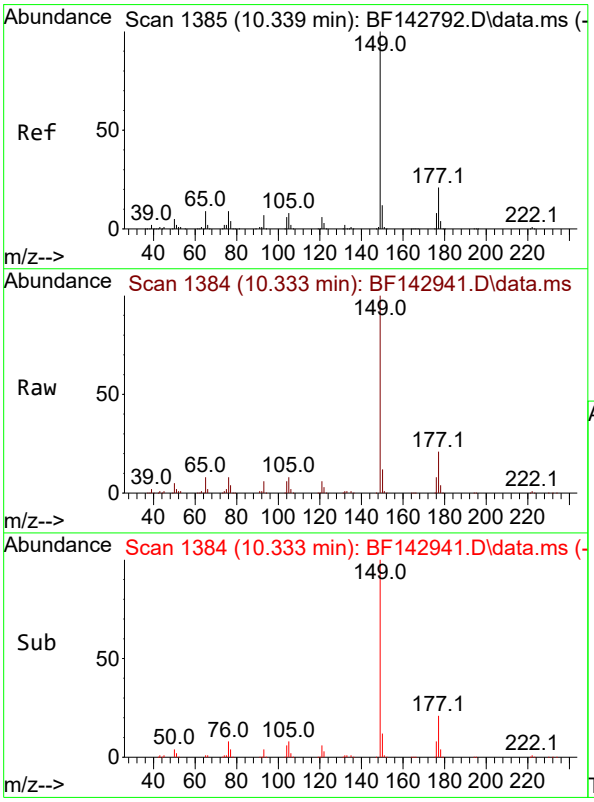
#59
2,3,4,6-Tetrachlorophenol
Concen: 35.793 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 54162

Ion	Ratio	Lower	Upper
232	100		
131	46.9	37.6	56.4
130	2.4	1.7	2.5
166	31.9	25.8	38.6

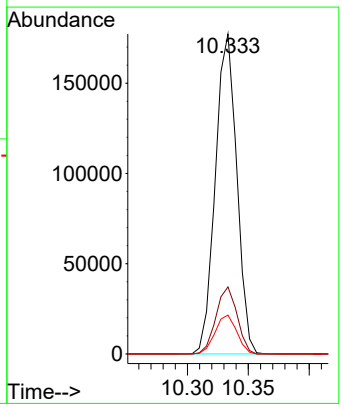


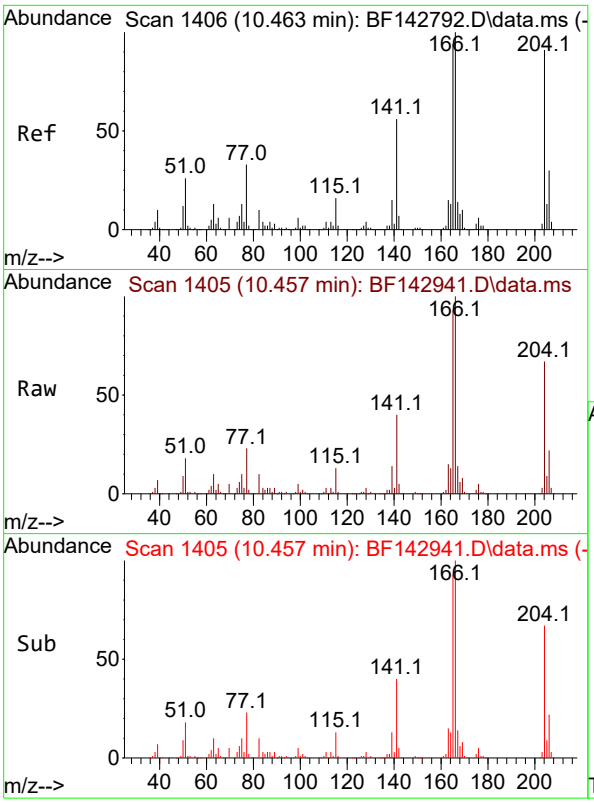


#60
Diethylphthalate
Concen: 36.898 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:149 Resp: 217208

Ion	Ratio	Lower	Upper
149	100		
177	21.0	17.0	25.6
150	12.1	9.8	14.6



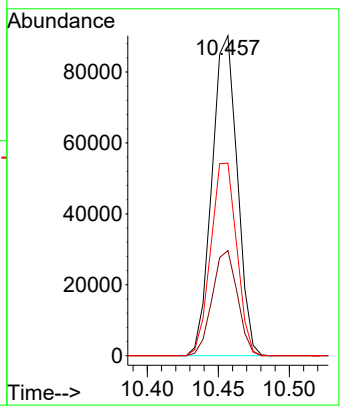


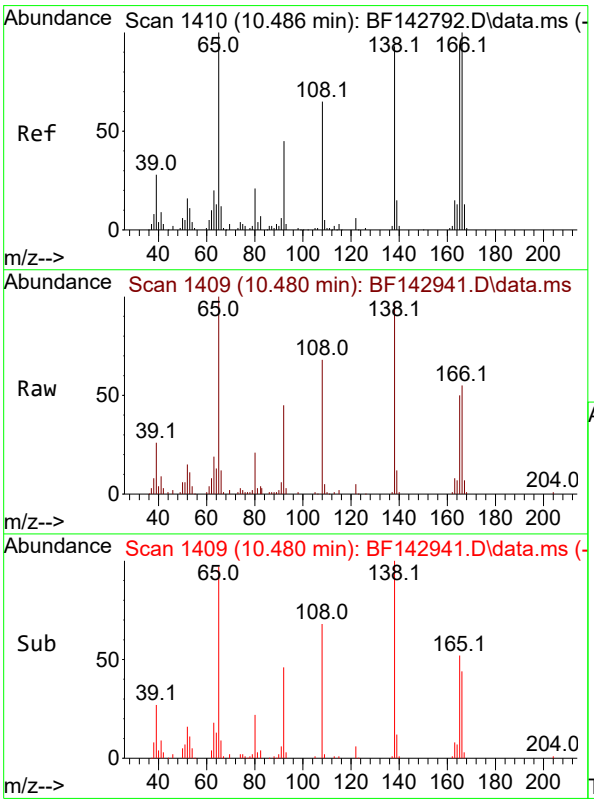
#61
4-Chlorophenyl-phenylether
Concen: 37.998 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 112139

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.3	39.5
141	60.2	49.1	73.7

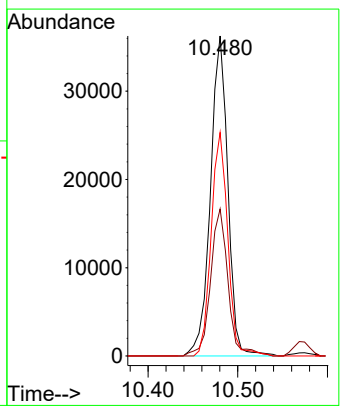


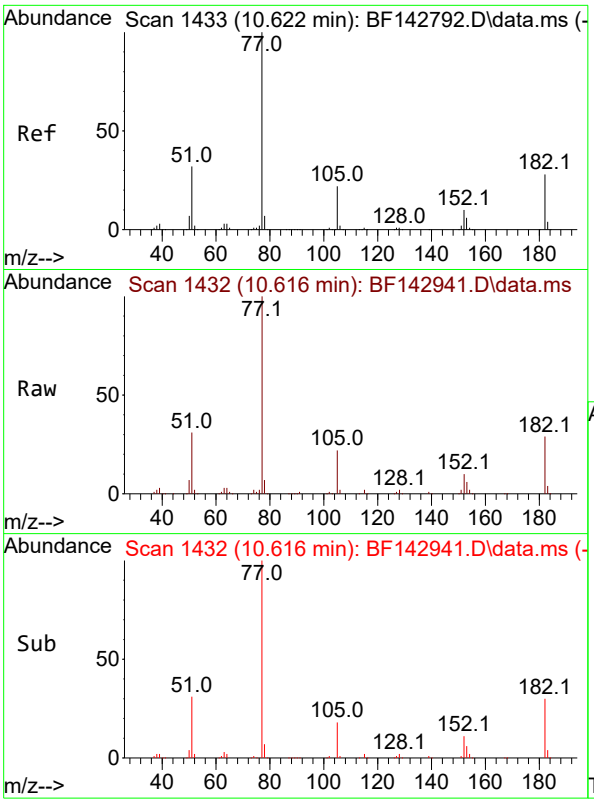


#62
4-Nitroaniline
Concen: 36.825 ng
RT: 10.480 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:138 Resp: 48891

Ion	Ratio	Lower	Upper
138	100		
92	46.0	28.4	68.4
108	69.9	50.2	90.2



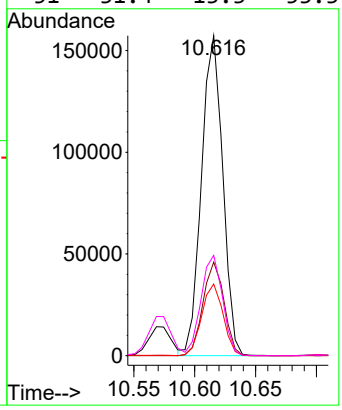


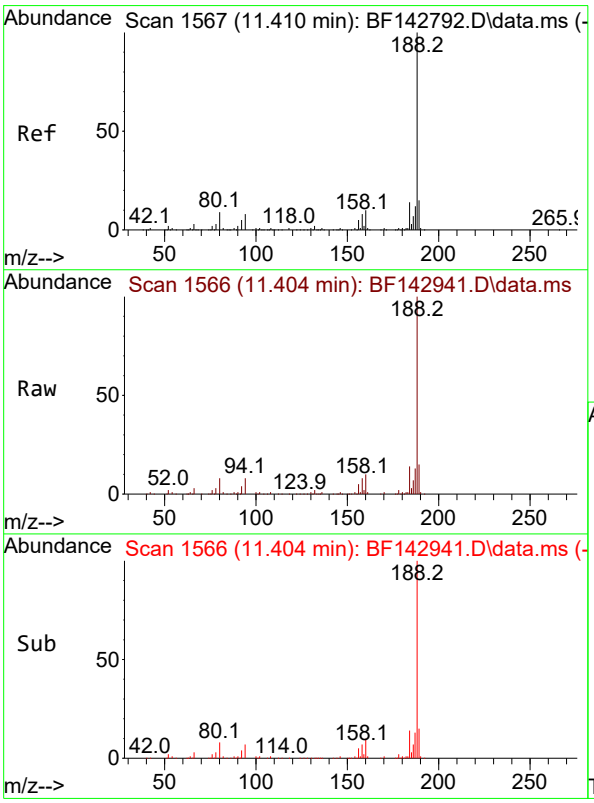
#63
Azobenzene
Concen: 36.270 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 190824

Ion	Ratio	Lower	Upper
77	100		
182	29.3	7.7	47.7
105	22.4	1.9	41.9
51	31.4	13.3	53.3

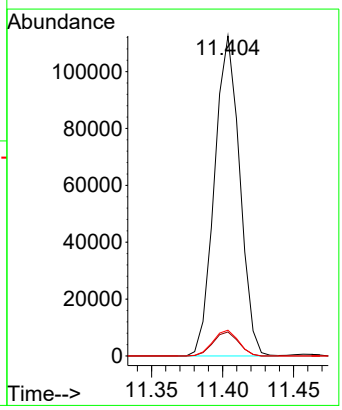


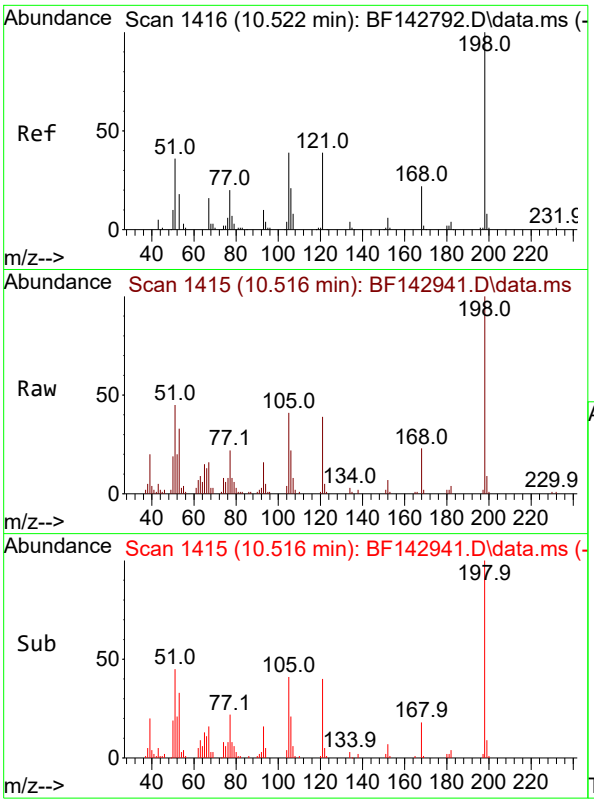


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:188 Resp: 139048

Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.7	10.1
80	8.0	6.9	10.3



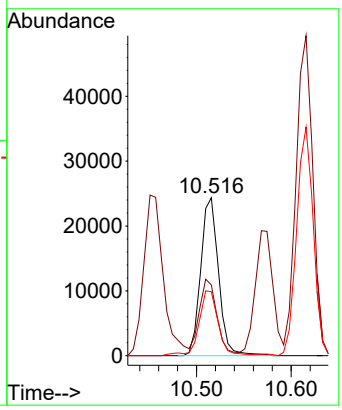


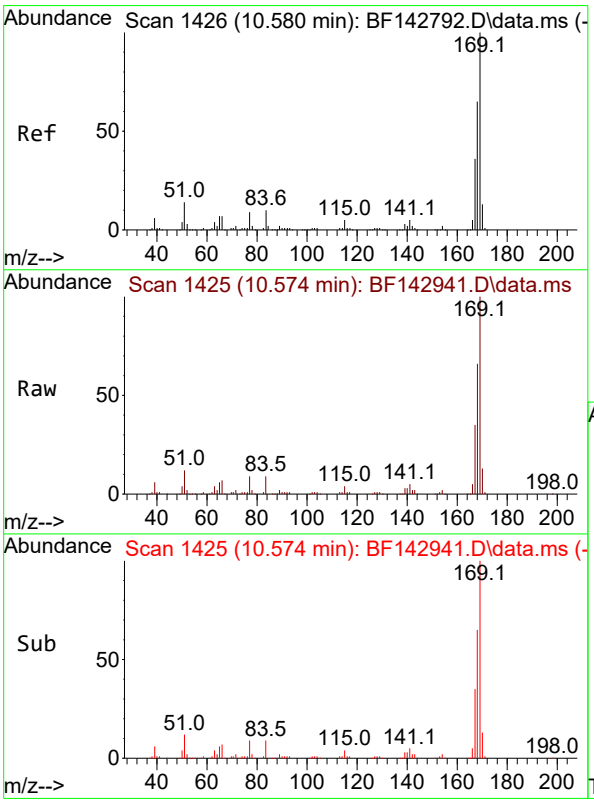
#65
4,6-Dinitro-2-methylphenol
Concen: 37.937 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 31907

Ion	Ratio	Lower	Upper
198	100		
51	44.8	25.4	65.4
105	40.5	20.4	60.4

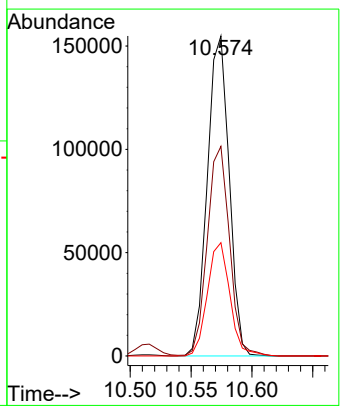


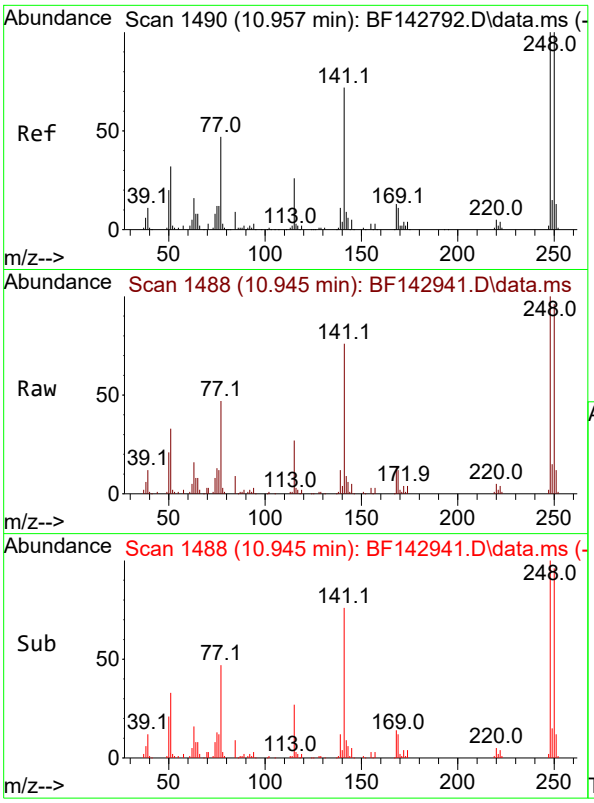


#66
n-Nitrosodiphenylamine
Concen: 40.030 ng
RT: 10.574 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:169 Resp: 192909

Ion	Ratio	Lower	Upper
169	100		
168	65.5	51.9	77.9
167	35.4	28.5	42.7



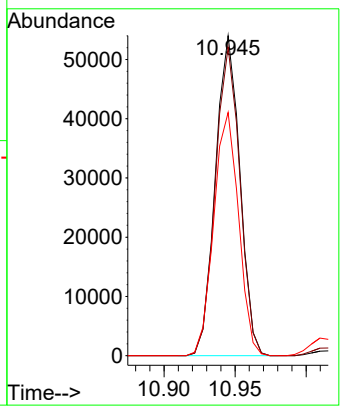


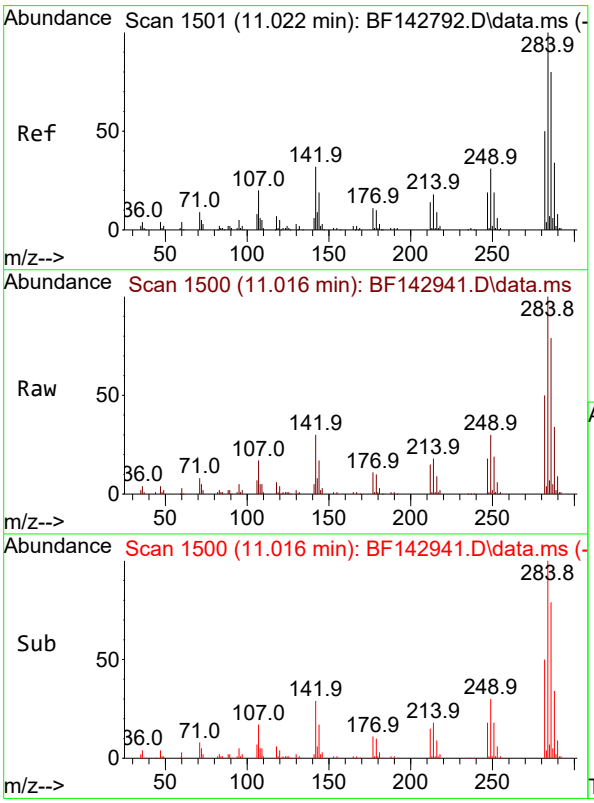
#67
4-Bromophenyl-phenylether
Concen: 40.918 ng
RT: 10.945 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 64752

Ion	Ratio	Lower	Upper
248	100		
250	96.4	79.8	119.8
141	76.0	57.8	86.6

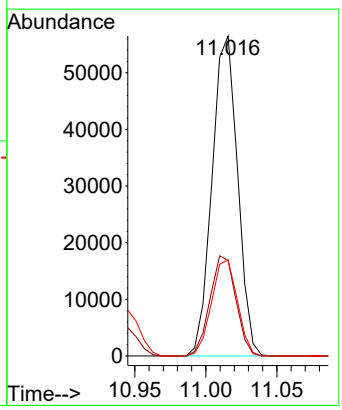


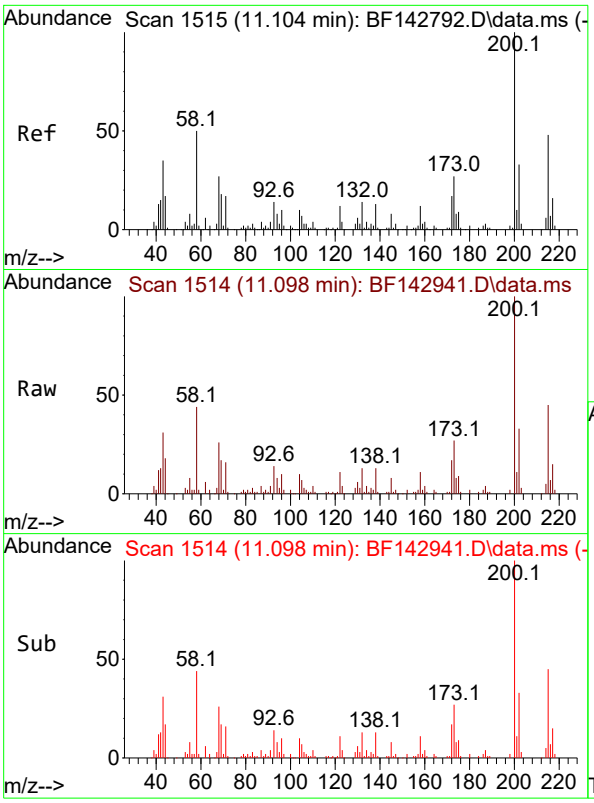


#68
Hexachlorobenzene
Concen: 40.197 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:284 Resp: 70683

Ion	Ratio	Lower	Upper
284	100		
142	29.8	25.5	38.3
249	30.0	24.9	37.3



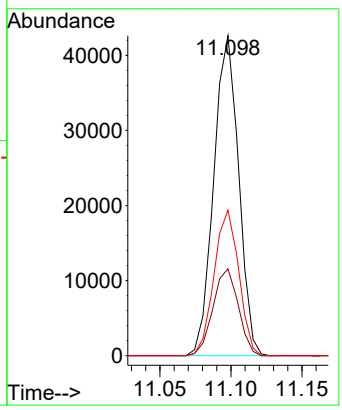


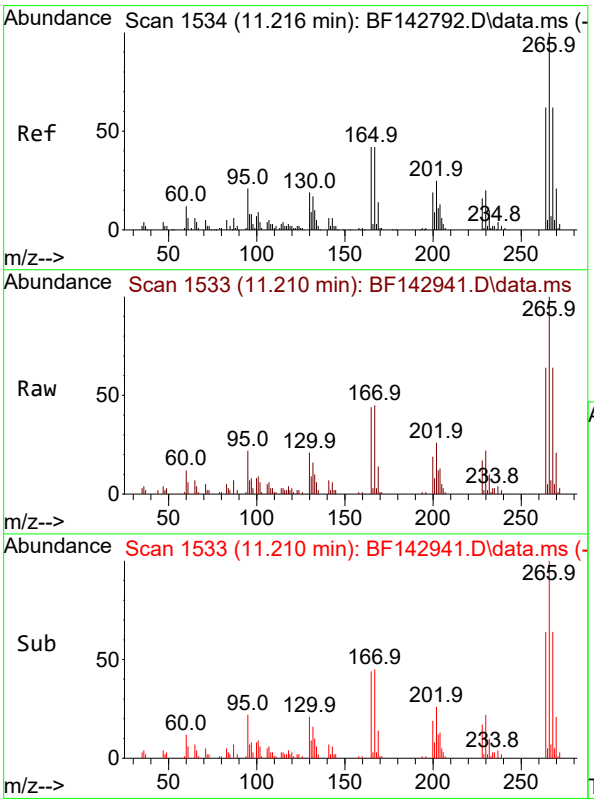
#69
Atrazine
Concen: 41.722 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 51920

Ion	Ratio	Lower	Upper
200	100		
173	27.2	7.4	47.4
215	45.5	28.4	68.4

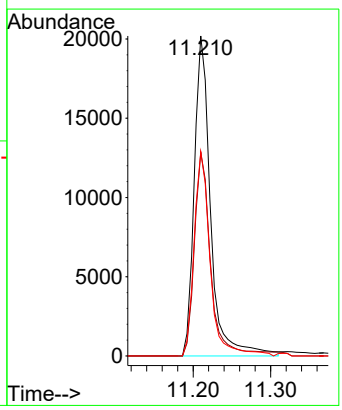


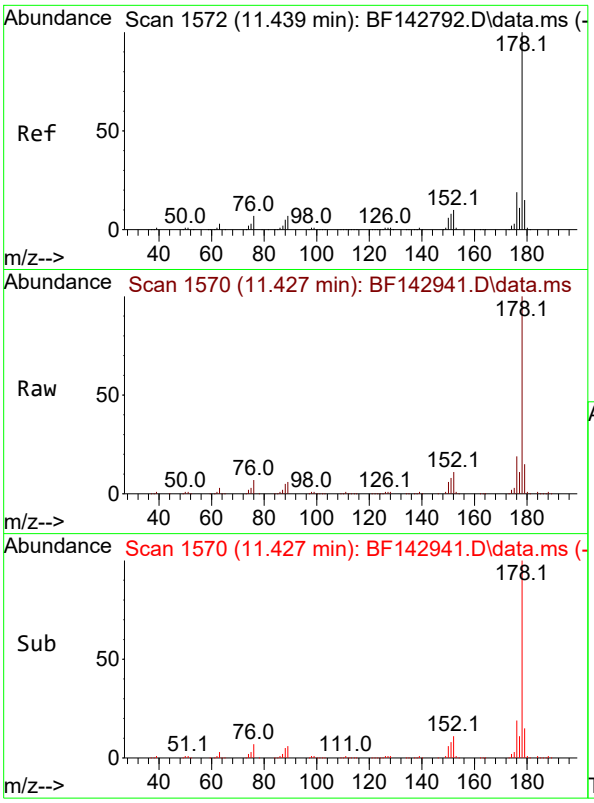


#70
Pentachlorophenol
Concen: 33.785 ng
RT: 11.210 min Scan# 1533
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:266 Resp: 29603

Ion	Ratio	Lower	Upper
266	100		
268	63.6	49.8	74.8
264	63.9	49.9	74.9



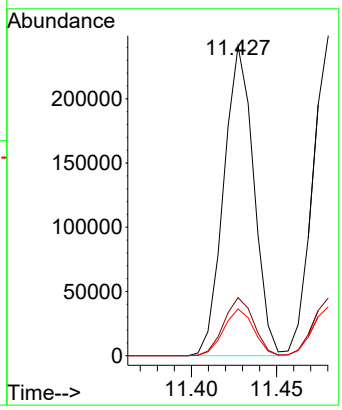


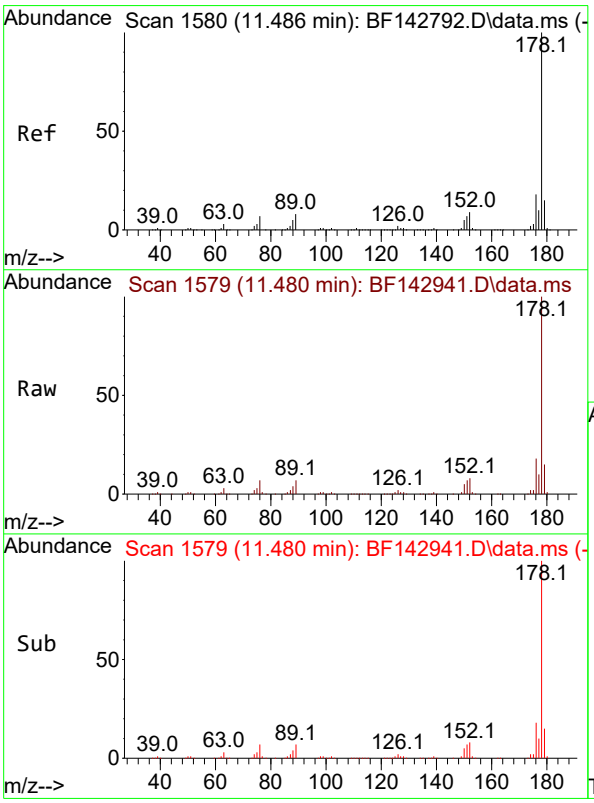
#71
Phenanthrene
Concen: 39.195 ng
RT: 11.427 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 295227

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.1	12.0	18.0

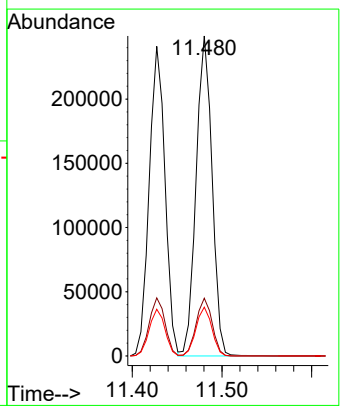


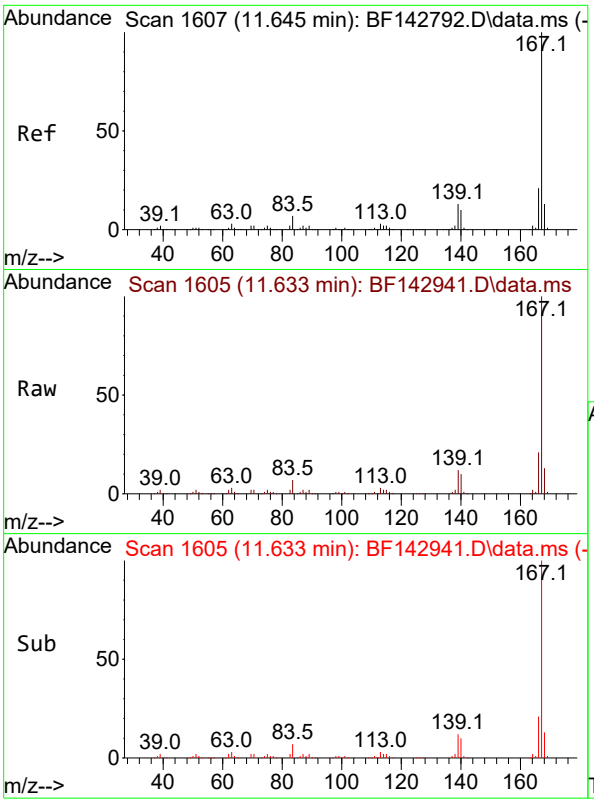


#72
Anthracene
Concen: 39.858 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:178 Resp: 307903

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	15.3	12.4	18.6



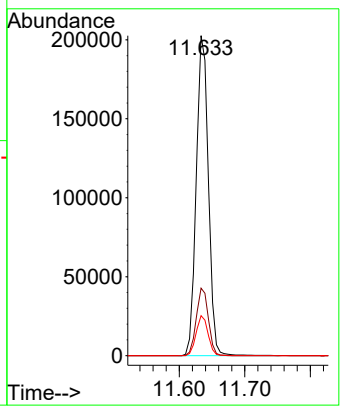


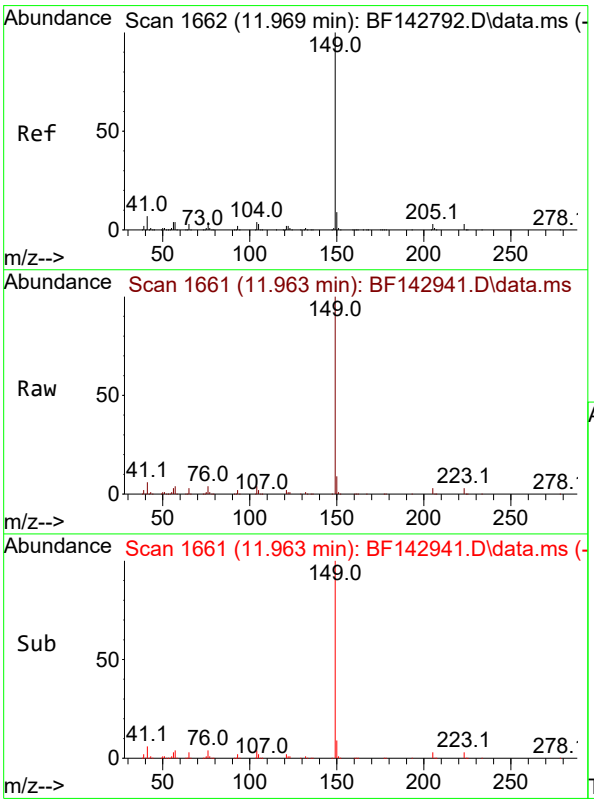
#73
Carbazole
Concen: 39.151 ng
RT: 11.633 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 260992

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.4
139	12.5	10.2	15.2

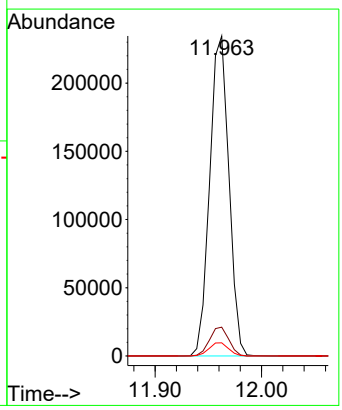


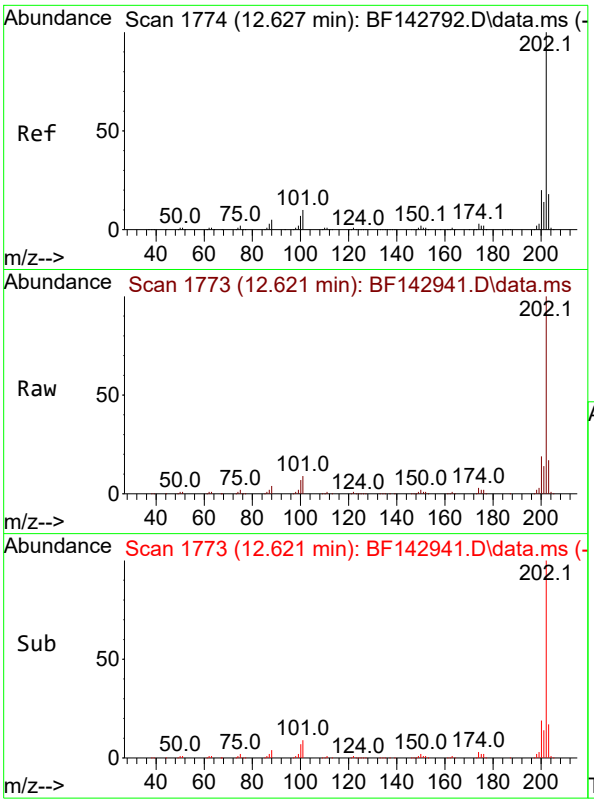


#74
Di-n-butylphthalate
Concen: 42.274 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:149 Resp: 293579

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	4.1	3.5	5.3



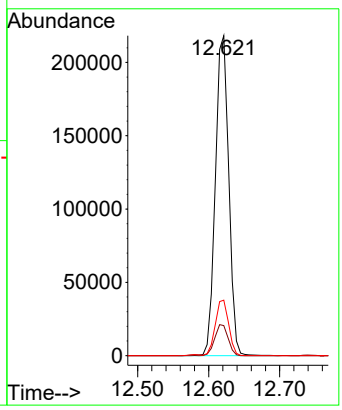


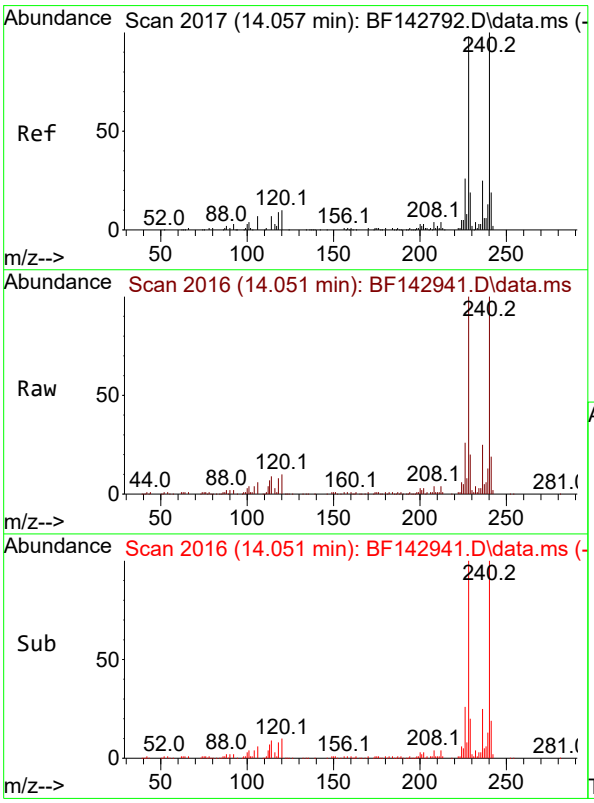
#75
Fluoranthene
Concen: 39.769 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 284289

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	29.7
203	17.4	0.0	37.5

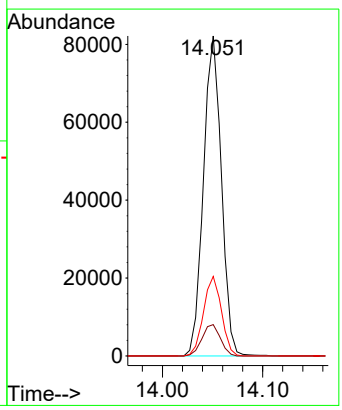


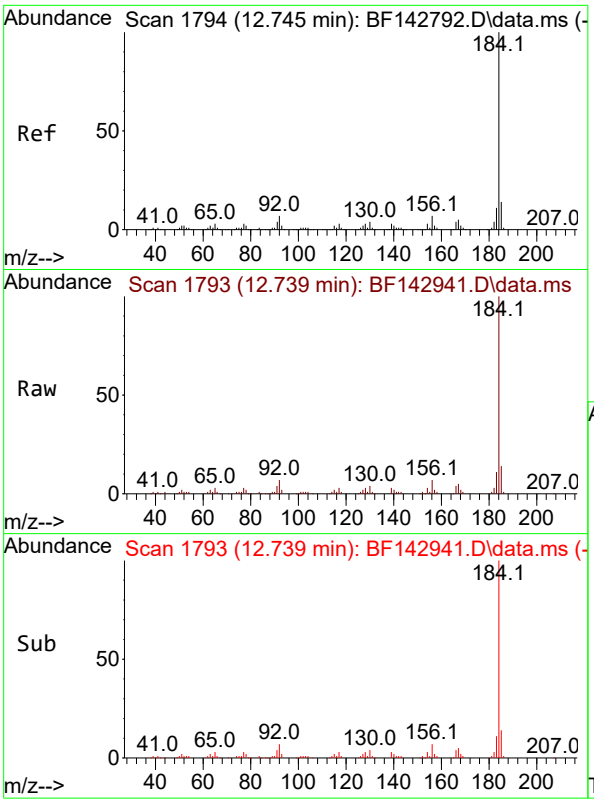


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:240 Resp: 102522

Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.2	12.2
236	24.9	19.8	29.8



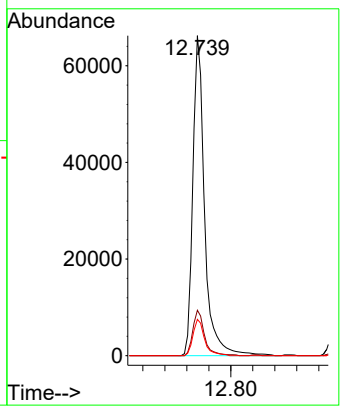


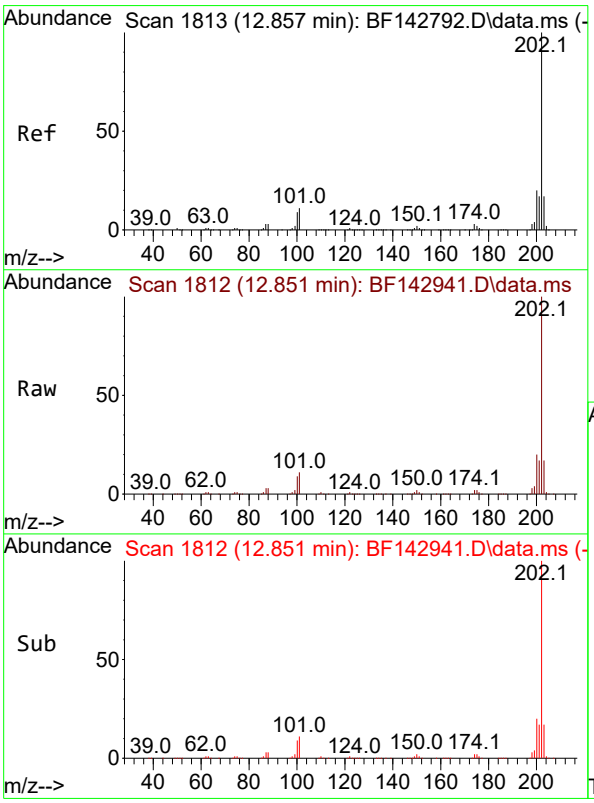
#77
Benzidine
Concen: 25.503 ng
RT: 12.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 98235

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.5	17.3
183	11.3	9.0	13.4

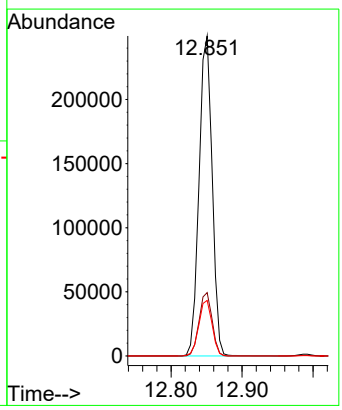


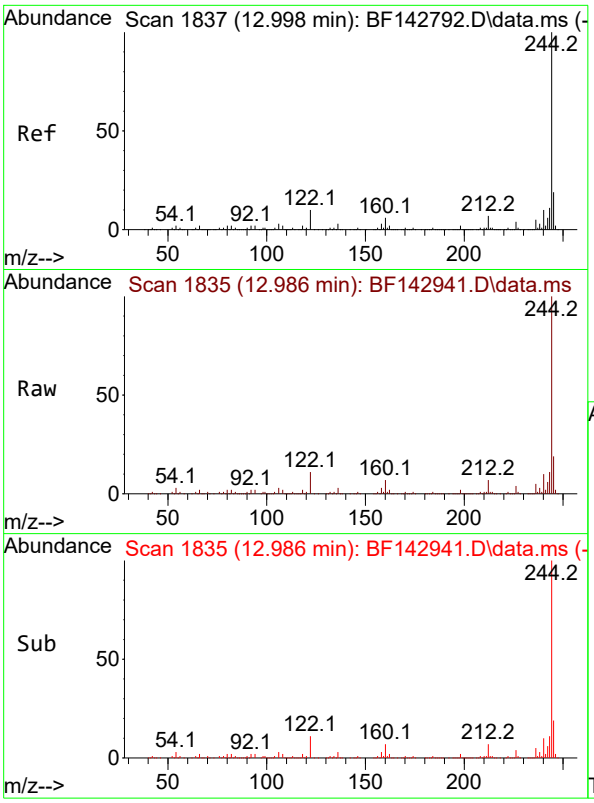


#78
Pyrene
Concen: 33.421 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:202 Resp: 321169

Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.7	23.5
203	17.3	13.8	20.6



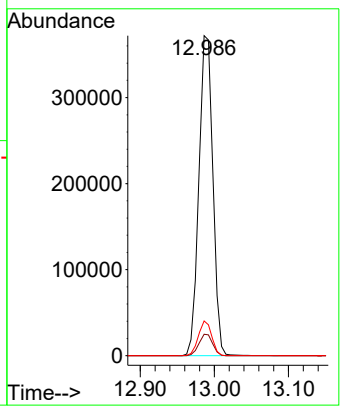


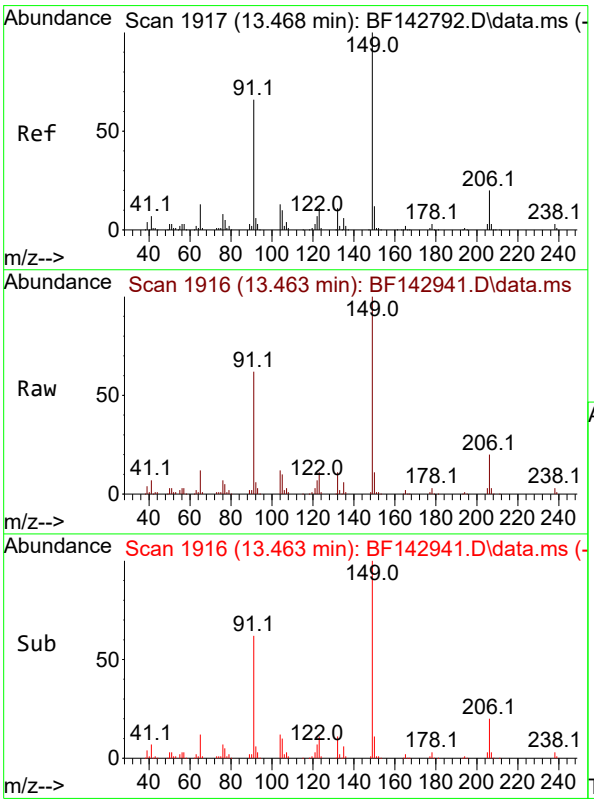
#79
Terphenyl-d14
Concen: 65.699 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 487482

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.8	8.2	12.2

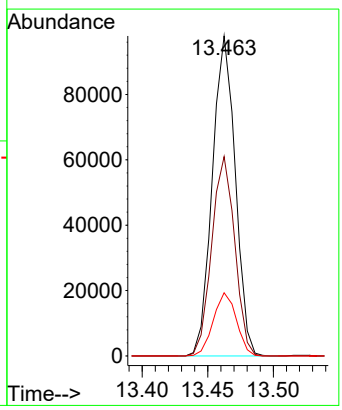


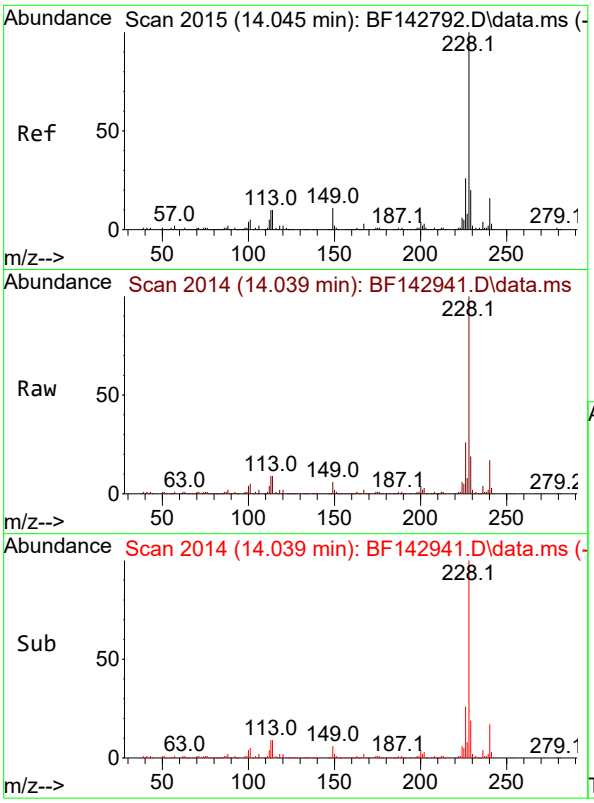


#80
Butylbenzylphthalate
Concen: 42.675 ng
RT: 13.463 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:149 Resp: 118958

Ion	Ratio	Lower	Upper
149	100		
91	62.3	52.9	79.3
206	19.7	16.3	24.5



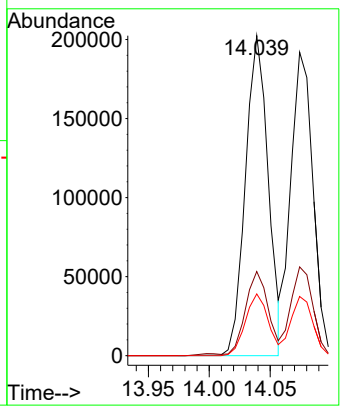


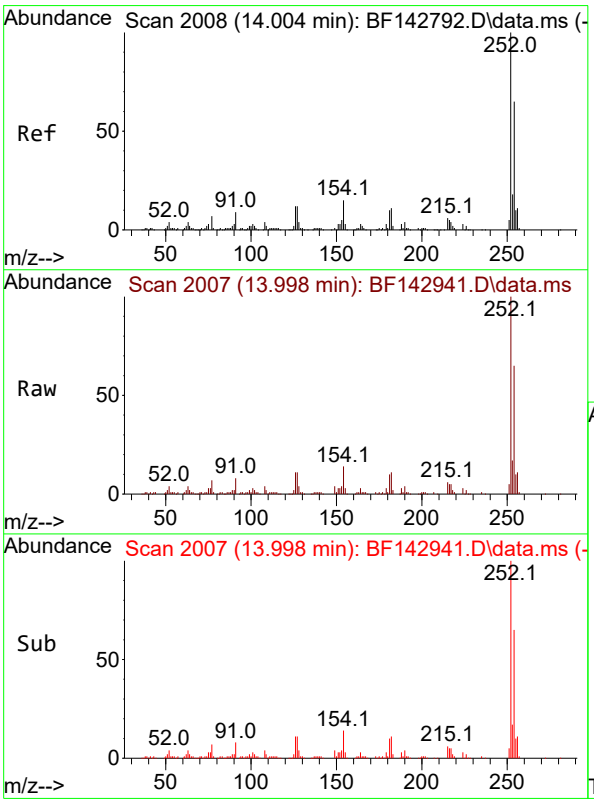
#81
Benzo(a)anthracene
Concen: 38.188 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 264117

Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.2	31.8
229	19.3	15.6	23.4

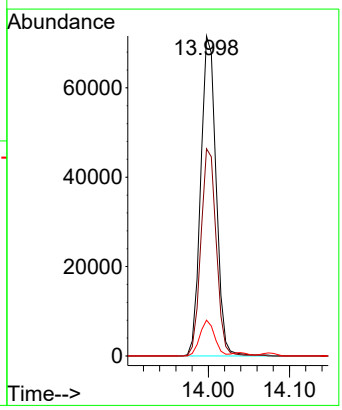


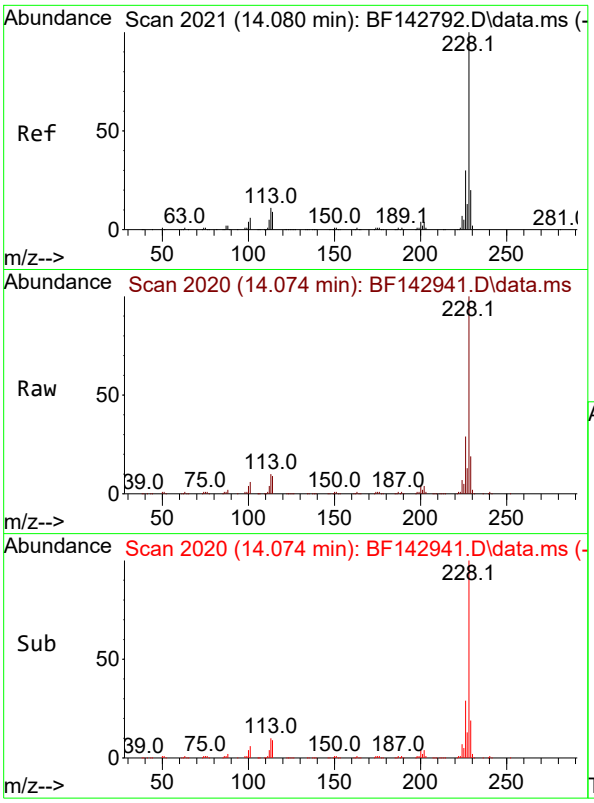


#82
3,3'-Dichlorobenzidine
Concen: 41.862 ng
RT: 13.998 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:252 Resp: 93910

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.7	77.5
126	11.2	9.4	14.2



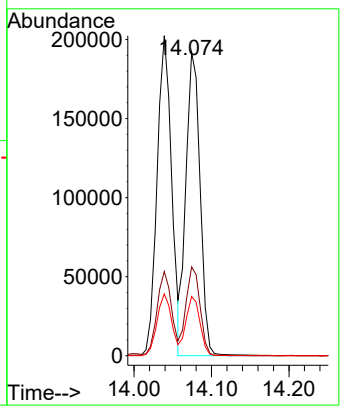


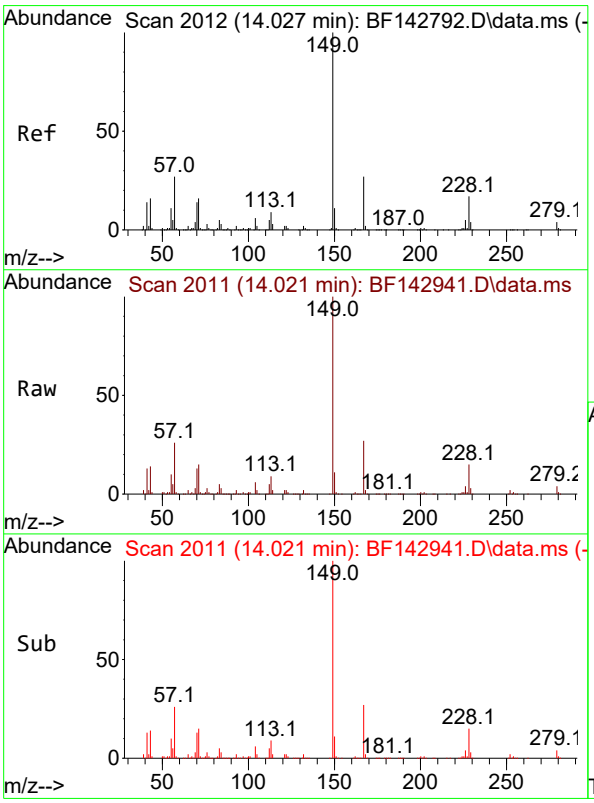
#83
Chrysene
Concen: 39.620 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 244511

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.7	35.5
229	19.5	15.7	23.5

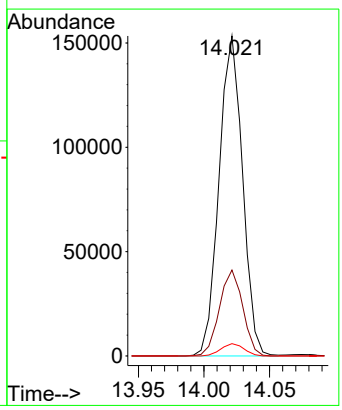


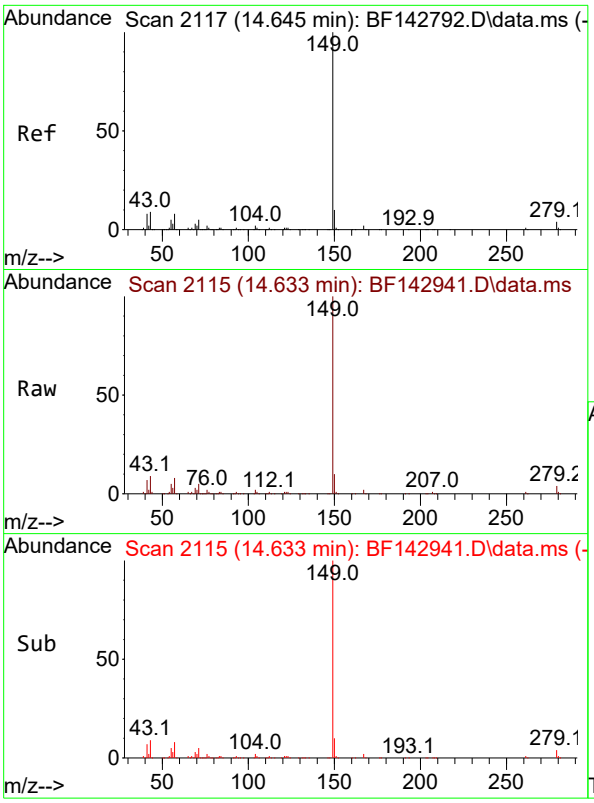


#84
Bis(2-ethylhexyl)phthalate
Concen: 47.631 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:149 Resp: 191031

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.4	32.0
279	3.9	3.0	4.6



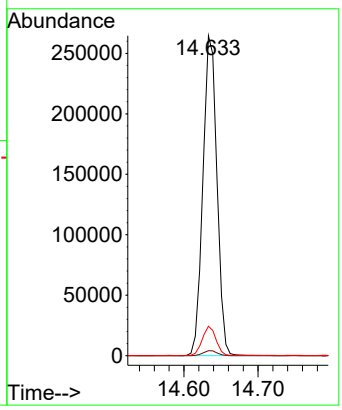


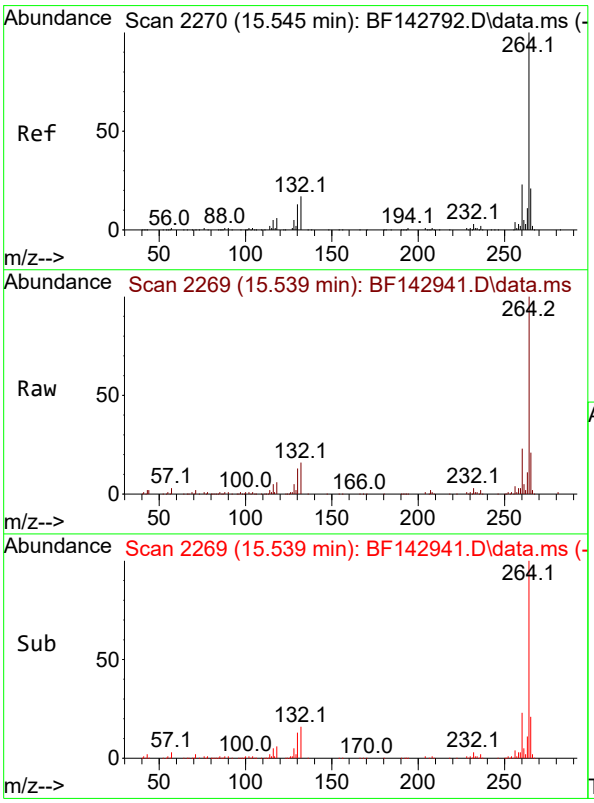
#85
Di-n-octyl phthalate
Concen: 46.018 ng
RT: 14.633 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 348013

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.2	7.6	11.4

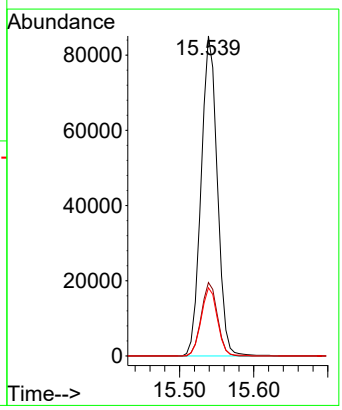


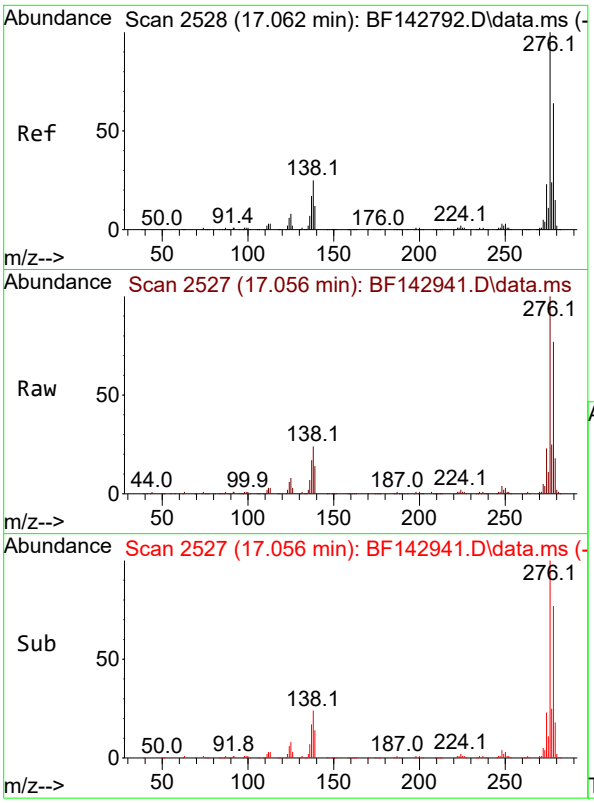


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:264 Resp: 129198

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.1	27.1
265	21.3	16.6	25.0



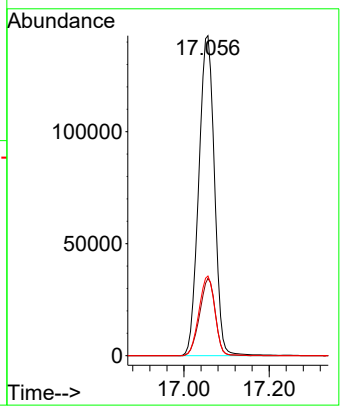


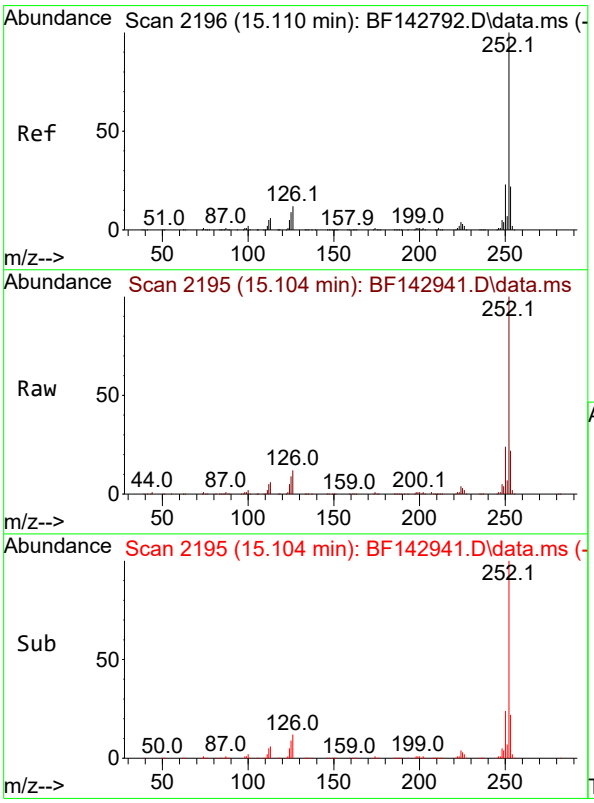
#87
Indeno(1,2,3-cd)pyrene
Concen: 37.095 ng
RT: 17.056 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 365045

Ion	Ratio	Lower	Upper
276	100		
138	24.0	20.2	30.4
277	25.2	19.8	29.6

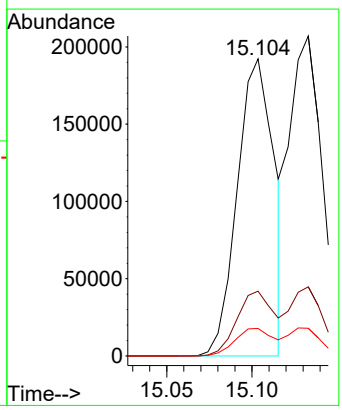


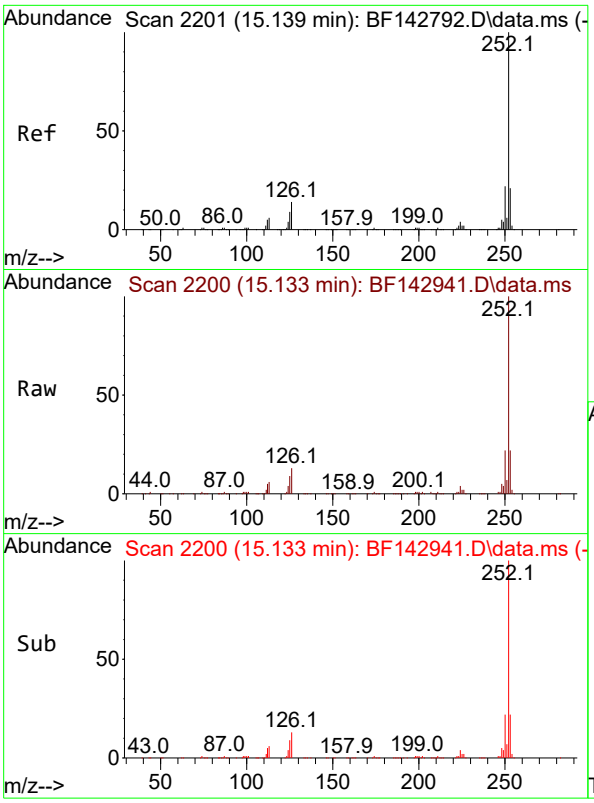


#88
Benzo(b)fluoranthene
Concen: 38.579 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:252 Resp: 288412

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	9.3	7.4	11.0



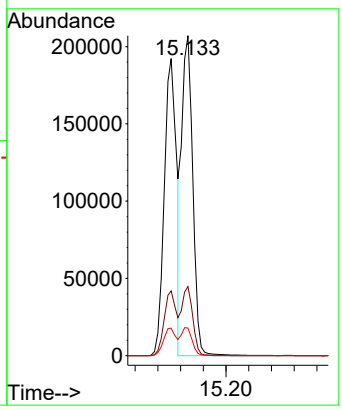


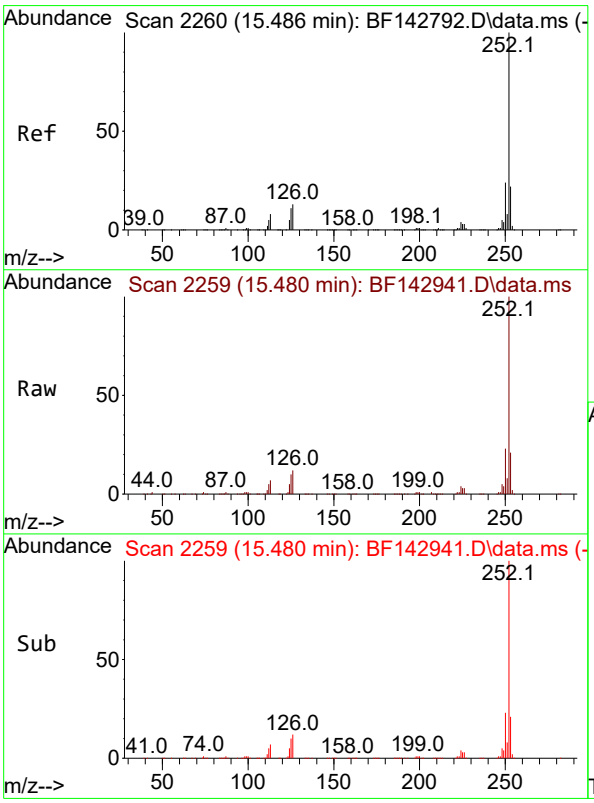
#89
Benzo(k)fluoranthene
Concen: 40.214 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 281267

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.2	25.8
125	8.6	7.4	11.2

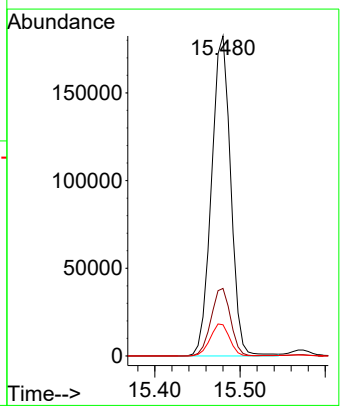


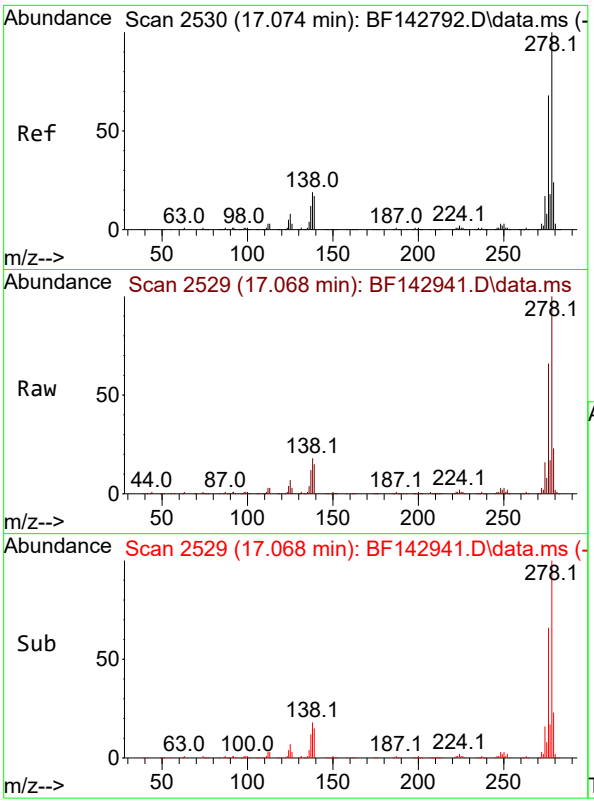


#90
Benzo(a)pyrene
Concen: 39.539 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:252 Resp: 285559

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.5	26.3
125	9.7	8.6	12.8



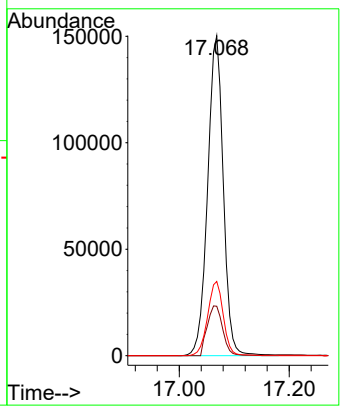


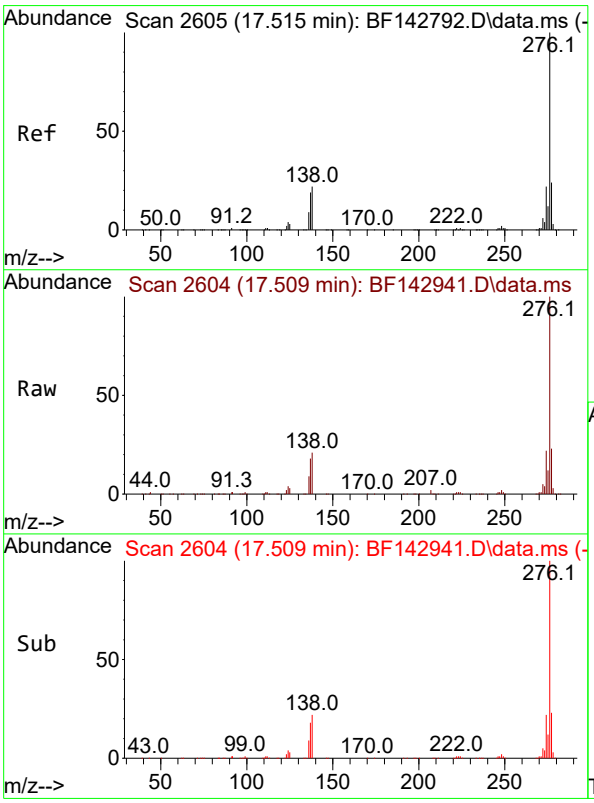
#91
Dibenzo(a,h)anthracene
Concen: 37.193 ng
RT: 17.068 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 297390

Ion	Ratio	Lower	Upper
278	100		
139	15.4	13.5	20.3
279	23.2	18.8	28.2

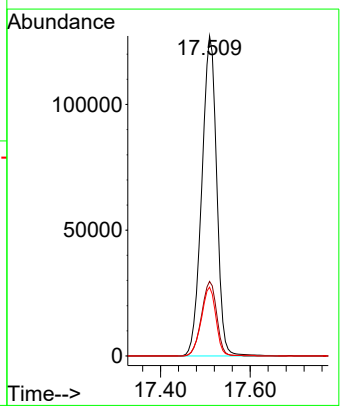




#92
Benzo(g,h,i)perylene
Concen: 36.721 ng
RT: 17.509 min Scan# 2604
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:276 Resp: 292786

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.8	28.2
138	21.5	17.6	26.4



Sample Results: **BF142941.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142941.D
Acq On : 01 Jul 2025 10:47
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 01 11:49:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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	63	0.00
2		1,4-Dioxane	0.480	0.455	5.2	62	-0.03
3		Pyridine	1.205	1.108	8.0	60	-0.03
4		n-Nitrosodimethylamine	0.623	0.581	6.7	61	-0.03
5	S	2-Fluorophenol	1.201	1.196	0.4	66	0.00
6		Aniline	1.886	1.766	6.4	61	-0.01
7	S	Phenol-d6	1.417	1.371	3.2	64	0.00
8		2-Chlorophenol	1.296	1.271	1.9	64	0.00
9		Benzaldehyde	0.841	0.981	-16.6	82	0.00
10	C	Phenol	1.575	1.539	2.3	64	0.00
11		bis(2-Chloroethyl)ether	1.126	1.074	4.6	63	0.00
12		1,3-Dichlorobenzene	1.449	1.424	1.7	65	0.00
13	C	1,4-Dichlorobenzene	1.462	1.440	1.5	64	0.00
14		1,2-Dichlorobenzene	1.387	1.369	1.3	65	0.00
15		Benzyl Alcohol	1.025	0.976	4.8	63	0.00
16		2,2'-oxybis(1-Chloropropane	1.809	1.620	10.4	59	-0.01
17		2-Methylphenol	0.982	0.943	4.0	63	0.00
18		Hexachloroethane	0.511	0.499	2.3	63	0.00
19	P	n-Nitroso-di-n-propylamine	0.824	0.752	8.7	60	0.00
20		3+4-Methylphenols	1.224	1.200	2.0	64	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	61	-0.01
22		Acetophenone	0.441	0.440	0.2	65	0.00
23	S	Nitrobenzene-d5	0.365	0.388	-6.3	67	0.00
24		Nitrobenzene	0.330	0.317	3.9	61	0.00
25		Isophorone	0.585	0.543	7.2	60	0.00
26	C	2-Nitrophenol	0.180	0.182	-1.1	63	0.00
27		2,4-Dimethylphenol	0.311	0.298	4.2	61	0.00
28		bis(2-Chloroethoxy)methane	0.372	0.351	5.6	61	0.00
29	C	2,4-Dichlorophenol	0.282	0.278	1.4	62	0.00
30		1,2,4-Trichlorobenzene	0.310	0.310	0.0	64	0.00
31		Naphthalene	0.979	0.962	1.7	63	0.00
32		Benzoic acid	0.159	0.136	14.5	53	-0.01
33		4-Chloroaniline	0.398	0.373	6.3	60	0.00
34	C	Hexachlorobutadiene	0.190	0.192	-1.1	64	0.00
35		Caprolactam	0.075	0.066	12.0	56	-0.01
36	C	4-Chloro-3-methylphenol	0.281	0.259	7.8	59	0.00
37		2-Methylnaphthalene	0.607	0.581	4.3	62	-0.01
38		1-Methylnaphthalene	0.628	0.594	5.4	61	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	57	0.00
40		1,2,4,5-Tetrachlorobenzene	0.590	0.606	-2.7	62	0.00
41	P	Hexachlorocyclopentadiene	0.335	0.285	14.9	49#	-0.01
42	S	2,4,6-Tribromophenol	0.206	0.185	10.2	53	-0.01
43	C	2,4,6-Trichlorophenol	0.385	0.386	-0.3	60	0.00
44		2,4,5-Trichlorophenol	0.405	0.387	4.4	57	0.00
45	S	2-Fluorobiphenyl	1.522	1.666	-9.5	67	-0.01
46		1,1'-Biphenyl	1.580	1.580	0.0	60	-0.01
47		2-Chloronaphthalene	1.186	1.191	-0.4	60	0.00

Sample Results: **BF142941.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142941.D
Acq On : 01 Jul 2025 10:47
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 01 11:49:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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	0.332	0.310	6.6	55	0.00
49		Acenaphthylene	1.952	1.921	1.6	59	-0.01
50		Dimethylphthalate	1.295	1.215	6.2	57	-0.01
51		2,6-Dinitrotoluene	0.284	0.270	4.9	56	0.00
52	C	Acenaphthene	1.191	1.163	2.4	58	0.00
53		3-Nitroaniline	0.313	0.286	8.6	54	0.00
54	P	2,4-Dinitrophenol	0.142	0.118	16.9	48#	0.00
55		Dibenzofuran	1.708	1.646	3.6	58	0.00
56	P	4-Nitrophenol	0.214	0.170	20.6	47#	0.00
57		2,4-Dinitrotoluene	0.378	0.345	8.7	54	0.00
58		Fluorene	1.334	1.252	6.1	57	-0.01
59		2,3,4,6-Tetrachlorophenol	0.326	0.292	10.4	54	0.00
60		Diethylphthalate	1.269	1.171	7.7	55	0.00
61		4-Chlorophenyl-phenylether	0.636	0.605	4.9	58	0.00
62		4-Nitroaniline	0.286	0.264	7.7	55	0.00
63		Azobenzene	1.134	1.029	9.3	55	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	53	0.00
65		4,6-Dinitro-2-methylphenol	0.121	0.115	5.0	51	0.00
66	c	n-Nitrosodiphenylamine	0.693	0.694	-0.1	55	0.00
67		4-Bromophenyl-phenylether	0.228	0.233	-2.2	56	-0.01
68		Hexachlorobenzene	0.253	0.254	-0.4	56	0.00
69		Atrazine	0.179	0.187	-4.5	57	0.00
70	C	Pentachlorophenol	0.126	0.106	15.9	45#	0.00
71		Phenanthrene	1.083	1.062	1.9	54	-0.01
72		Anthracene	1.111	1.107	0.4	55	0.00
73		Carbazole	0.959	0.938	2.2	55	-0.01
74		Di-n-butylphthalate	0.999	1.056	-5.7	59	0.00
75	C	Fluoranthene	1.028	1.022	0.6	57	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	72	0.00
77		Benzidine	0.751	0.479	36.2#	45#	0.00
78		Pyrene	1.875	1.566	16.5	65	0.00
79	S	Terphenyl-d14	1.447	1.189	17.8	64	-0.01
80		Butylbenzylphthalate	0.544	0.580	-6.6	76	0.00
81		Benzo(a)anthracene	1.349	1.288	4.5	73	0.00
82		3,3'-Dichlorobenzidine	0.438	0.458	-4.6	77	0.00
83		Chrysene	1.204	1.192	1.0	74	0.00
84		Bis(2-ethylhexyl)phthalate	0.782	0.932	-19.2	83	0.00
85	c	Di-n-octyl phthalate	1.475	1.697	-15.1	83	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	76	0.00
87		Indeno(1,2,3-cd)pyrene	1.523	1.413	7.2	73	0.00
88		Benzo(b)fluoranthene	1.157	1.116	3.5	79	0.00
89		Benzo(k)fluoranthene	1.083	1.089	-0.6	80	0.00
90	C	Benzo(a)pyrene	1.118	1.105	1.2	78	0.00
91		Dibenzo(a,h)anthracene	1.238	1.151	7.0	74	0.00
92		Benzo(g,h,i)perylene	1.234	1.133	8.2	72	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142941.D
Acq On : 01 Jul 2025 10:47
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 01 11:49:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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: **BF142941.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142941.D
Acq On : 01 Jul 2025 10:47
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 01 11:49:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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	63	0.00
2		1,4-Dioxane	40.000	37.917	5.2	62	-0.03
3		Pyridine	40.000	36.790	8.0	60	-0.03
4		n-Nitrosodimethylamine	40.000	37.287	6.8	61	-0.03
5	S	2-Fluorophenol	80.000	79.628	0.5	66	0.00
6		Aniline	40.000	37.456	6.4	61	-0.01
7	S	Phenol-d6	80.000	77.371	3.3	64	0.00
8		2-Chlorophenol	40.000	39.241	1.9	64	0.00
9		Benzaldehyde	40.000	46.677	-16.7	82	0.00
10	C	Phenol	40.000	39.084	2.3	64	0.00
11		bis(2-Chloroethyl)ether	40.000	38.164	4.6	63	0.00
12		1,3-Dichlorobenzene	40.000	39.315	1.7	65	0.00
13	C	1,4-Dichlorobenzene	40.000	39.381	1.5	64	0.00
14		1,2-Dichlorobenzene	40.000	39.488	1.3	65	0.00
15		Benzyl Alcohol	40.000	38.097	4.8	63	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	35.830	10.4	59	-0.01
17		2-Methylphenol	40.000	38.404	4.0	63	0.00
18		Hexachloroethane	40.000	39.043	2.4	63	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	36.476	8.8	60	0.00
20		3+4-Methylphenols	40.000	39.219	2.0	64	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	61	-0.01
22		Acetophenone	40.000	39.943	0.1	65	0.00
23	S	Nitrobenzene-d5	80.000	85.123	-6.4	67	0.00
24		Nitrobenzene	40.000	38.367	4.1	61	0.00
25		Isophorone	40.000	37.126	7.2	60	0.00
26	C	2-Nitrophenol	40.000	40.491	-1.2	63	0.00
27		2,4-Dimethylphenol	40.000	38.331	4.2	61	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.774	5.6	61	0.00
29	C	2,4-Dichlorophenol	40.000	39.433	1.4	62	0.00
30		1,2,4-Trichlorobenzene	40.000	39.958	0.1	64	0.00
31		Naphthalene	40.000	39.287	1.8	63	0.00
32		Benzoic acid	40.000	34.311	14.2	53	-0.01
33		4-Chloroaniline	40.000	37.451	6.4	60	0.00
34	C	Hexachlorobutadiene	40.000	40.514	-1.3	64	0.00
35		Caprolactam	40.000	35.294	11.8	56	-0.01
36	C	4-Chloro-3-methylphenol	40.000	36.969	7.6	59	0.00
37		2-Methylnaphthalene	40.000	38.288	4.3	62	-0.01
38		1-Methylnaphthalene	40.000	37.822	5.4	61	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	57	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.043	-2.6	62	0.00
41	P	Hexachlorocyclopentadiene	40.000	34.065	14.8	49	-0.01
42	S	2,4,6-Tribromophenol	80.000	71.936	10.1	53	-0.01
43	C	2,4,6-Trichlorophenol	40.000	40.152	-0.4	60	0.00
44		2,4,5-Trichlorophenol	40.000	38.208	4.5	57	0.00
45	S	2-Fluorobiphenyl	80.000	87.549	-9.4	67	-0.01
46		1,1'-Biphenyl	40.000	40.008	-0.0	60	-0.01
47		2-Chloronaphthalene	40.000	40.175	-0.4	60	0.00

Sample Results: **BF142941.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142941.D
Acq On : 01 Jul 2025 10:47
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 01 11:49:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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	37.332	6.7	55	0.00
49		Acenaphthylene	40.000	39.366	1.6	59	-0.01
50		Dimethylphthalate	40.000	37.545	6.1	57	-0.01
51		2,6-Dinitrotoluene	40.000	38.033	4.9	56	0.00
52	C	Acenaphthene	40.000	39.064	2.3	58	0.00
53		3-Nitroaniline	40.000	36.596	8.5	54	0.00
54	P	2,4-Dinitrophenol	40.000	33.175	17.1	48	0.00
55		Dibenzofuran	40.000	38.558	3.6	58	0.00
56	P	4-Nitrophenol	40.000	31.690	20.8	47	0.00
57		2,4-Dinitrotoluene	40.000	36.552	8.6	54	0.00
58		Fluorene	40.000	37.542	6.1	57	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	35.793	10.5	54	0.00
60		Diethylphthalate	40.000	36.898	7.8	55	0.00
61		4-Chlorophenyl-phenylether	40.000	37.998	5.0	58	0.00
62		4-Nitroaniline	40.000	36.825	7.9	55	0.00
63		Azobenzene	40.000	36.270	9.3	55	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	53	0.00
65		4,6-Dinitro-2-methylphenol	40.000	37.937	5.2	51	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.030	-0.1	55	0.00
67		4-Bromophenyl-phenylether	40.000	40.918	-2.3	56	-0.01
68		Hexachlorobenzene	40.000	40.197	-0.5	56	0.00
69		Atrazine	40.000	41.722	-4.3	57	0.00
70	C	Pentachlorophenol	40.000	33.785	15.5	45	0.00
71		Phenanthrene	40.000	39.195	2.0	54	-0.01
72		Anthracene	40.000	39.858	0.4	55	0.00
73		Carbazole	40.000	39.151	2.1	55	-0.01
74		Di-n-butylphthalate	40.000	42.274	-5.7	59	0.00
75	C	Fluoranthene	40.000	39.769	0.6	57	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	72	0.00
77		Benzidine	40.000	25.503	36.2#	45	0.00
78		Pyrene	40.000	33.421	16.4	65	0.00
79	S	Terphenyl-d14	80.000	65.699	17.9	64	-0.01
80		Butylbenzylphthalate	40.000	42.675	-6.7	76	0.00
81		Benzo(a)anthracene	40.000	38.188	4.5	73	0.00
82		3,3'-Dichlorobenzidine	40.000	41.862	-4.7	77	0.00
83		Chrysene	40.000	39.620	1.0	74	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	47.631	-19.1	83	0.00
85	c	Di-n-octyl phthalate	40.000	46.018	-15.0	83	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	76	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	37.095	7.3	73	0.00
88		Benzo(b)fluoranthene	40.000	38.579	3.6	79	0.00
89		Benzo(k)fluoranthene	40.000	40.214	-0.5	80	0.00
90	C	Benzo(a)pyrene	40.000	39.539	1.2	78	0.00
91		Dibenzo(a,h)anthracene	40.000	37.193	7.0	74	0.00
92		Benzo(g,h,i)perylene	40.000	36.721	8.2	72	0.00

Sample Results: **BF142941.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142941.D
Acq On : 01 Jul 2025 10:47
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 01 11:49:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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: **BF142964.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: Alliance Contract: CAMP02

Lab Code: ACE SDG No.: Q2458

Instrument ID: BNA_F Calibration Date/Time: 07/02/2025 11:41

Lab File ID: BF142964.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.201	1.175		-2.2	
Benzaldehyde	0.841	0.869		3.3	
Phenol-d6	1.417	1.364		-3.7	
Phenol	1.575	1.528		-3.0	20.0
bis(2-Chloroethyl)ether	1.126	1.072		-4.8	
2-Chlorophenol	1.296	1.252		-3.4	
2-Methylphenol	0.982	0.951		-3.2	
2,2-oxybis(1-Chloropropane)	1.809	1.643		-9.2	
Acetophenone	0.441	0.428		-2.9	
3+4-Methylphenols	1.224	1.220		-0.3	
n-Nitroso-di-n-propylamine	0.824	0.806	0.050	-2.2	
Nitrobenzene-d5	0.365	0.381		4.4	
Hexachloroethane	0.511	0.505		-1.2	
Nitrobenzene	0.330	0.320		-3.0	
Isophorone	0.585	0.565		-3.4	
2-Nitrophenol	0.180	0.179		-0.6	20.0
2,4-Dimethylphenol	0.311	0.301		-3.2	
bis(2-Chloroethoxy)methane	0.372	0.360		-3.2	
2,4-Dichlorophenol	0.282	0.275		-2.5	20.0
Naphthalene	0.979	0.947		-3.3	
4-Chloroaniline	0.398	0.390		-2.0	
Hexachlorobutadiene	0.190	0.186		-2.1	20.0
Caprolactam	0.075	0.075		0.0	
4-Chloro-3-methylphenol	0.281	0.275		-2.1	20.0
2-Methylnaphthalene	0.607	0.601		-1.0	
Hexachlorocyclopentadiene	0.335	0.265	0.050	-20.9	
2,4,6-Trichlorophenol	0.385	0.371		-3.6	20.0
2-Fluorobiphenyl	1.522	1.598		5.0	
2,4,5-Trichlorophenol	0.405	0.391		-3.5	
1,1-Biphenyl	1.580	1.544		-2.3	
2-Chloronaphthalene	1.186	1.140		-3.9	
2-Nitroaniline	0.332	0.326		-1.8	
Dimethylphthalate	1.295	1.269		-2.0	
Acenaphthylene	1.952	1.901		-2.6	
2,6-Dinitrotoluene	0.284	0.284		0.0	
3-Nitroaniline	0.313	0.313		0.0	
Acenaphthene	1.191	1.162		-2.4	20.0
2,4-Dinitrophenol	0.142	0.122	0.050	-14.1	
4-Nitrophenol	0.214	0.246	0.050	15.0	

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EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.708	1.651		-3.3	
2,4-Dinitrotoluene	0.378	0.373		-1.3	
Diethylphthalate	1.269	1.281		0.9	
4-Chlorophenyl-phenylether	0.636	0.631		-0.8	
Fluorene	1.334	1.313		-1.6	
4-Nitroaniline	0.286	0.291		1.7	
4,6-Dinitro-2-methylphenol	0.121	0.113		-6.6	
n-Nitrosodiphenylamine	0.693	0.673		-2.9	20.0
2,4,6-Tribromophenol	0.206	0.203		-1.5	
4-Bromophenyl-phenylether	0.228	0.223		-2.2	
Hexachlorobenzene	0.253	0.240		-5.1	
Atrazine	0.179	0.188		5.0	
Pentachlorophenol	0.126	0.112		-11.1	20.0
Phenanthrene	1.083	1.038		-4.2	
Anthracene	1.111	1.071		-3.6	
Carbazole	0.959	0.921		-4.0	
Di-n-butylphthalate	0.999	1.051		5.2	
Fluoranthene	1.028	0.992		-3.5	20.0
Pyrene	1.875	1.887		0.6	
Terphenyl-d14	1.447	1.366		-5.6	
Butylbenzylphthalate	0.544	0.594		9.2	
3,3-Dichlorobenzidine	0.438	0.424		-3.2	
Benzo(a)anthracene	1.349	1.348		-0.1	
Chrysene	1.204	1.123		-6.7	
Bis(2-ethylhexyl)phthalate	0.782	0.847		8.3	
Di-n-octyl phthalate	1.475	1.461		-0.9	20.0
Benzo(b)fluoranthene	1.157	1.268		9.6	
Benzo(k)fluoranthene	1.083	1.006		-7.1	
Benzo(a)pyrene	1.118	1.116		-0.2	20.0
Indeno(1,2,3-cd)pyrene	1.523	1.408		-7.6	
Dibenzo(a,h)anthracene	1.238	1.141		-7.8	
Benzo(g,h,i)perylene	1.234	1.137		-7.9	
1,2,4,5-Tetrachlorobenzene	0.590	0.588		-0.3	
1,4-Dioxane	0.480	0.432		-10.0	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.315		-3.4	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142964.D
Acq On : 02 Jul 2025 11:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jul 02 12:31:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	58835	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	223613	20.000	ng		-0.01
39) Acenaphthene-d10	9.916	164	116653	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	194796	20.000	ng		0.00
76) Chrysene-d12	14.051	240	118183	20.000	ng		0.00
86) Perylene-d12	15.545	264	123997	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.492	112	276568	78.264	ng		0.00
7) Phenol-d6	6.504	99	321092	77.015	ng		0.00
23) Nitrobenzene-d5	7.439	82	340484	83.519	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	94919	79.070	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	745681	83.974	ng		-0.01
79) Terphenyl-d14	12.992	244	645901	75.514	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.616	88	50814	35.951	ng		100
3) Pyridine	3.393	79	129715	36.607	ng		97
4) n-Nitrosodimethylamine	3.340	42	68475	37.370	ng		96
6) Aniline	6.534	93	213019	38.399	ng	#	89
8) 2-Chlorophenol	6.657	128	147268	38.633	ng		100
9) Benzaldehyde	6.428	77	102310	41.363	ng		99
10) Phenol	6.522	94	179818	38.801	ng		90
11) bis(2-Chloroethyl)ether	6.610	93	126176	38.094	ng		97
12) 1,3-Dichlorobenzene	6.816	146	167807	39.362	ng		99
13) 1,4-Dichlorobenzene	6.892	146	167051	38.838	ng		99
14) 1,2-Dichlorobenzene	7.045	146	158089	38.750	ng		98
15) Benzyl Alcohol	7.016	79	120225	39.888	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	193355	36.334	ng		90
17) 2-Methylphenol	7.128	107	111915	38.742	ng		99
18) Hexachloroethane	7.386	117	59432	39.504	ng		96
19) n-Nitroso-di-n-propyla...	7.287	70	94859	39.120	ng		98
20) 3+4-Methylphenols	7.281	107	143560	39.858	ng		96
22) Acetophenone	7.287	105	191366	38.808	ng		99
24) Nitrobenzene	7.457	77	143245	38.821	ng		99
25) Isophorone	7.698	82	252508	38.611	ng		99
26) 2-Nitrophenol	7.775	139	80191	39.896	ng		99
27) 2,4-Dimethylphenol	7.810	122	134614	38.663	ng		99
28) bis(2-Chloroethoxy)met...	7.904	93	160881	38.695	ng		100
29) 2,4-Dichlorophenol	8.016	162	123052	38.979	ng		99
30) 1,2,4-Trichlorobenzene	8.098	180	136262	39.253	ng		99
31) Naphthalene	8.181	128	423430	38.685	ng		100
32) Benzoic acid	7.922	122	62494	35.216	ng		98
33) 4-Chloroaniline	8.228	127	174568	39.223	ng		99
34) Hexachlorobutadiene	8.292	225	83307	39.233	ng		99
35) Caprolactam	8.598	113	33703	40.458	ng		94
36) 4-Chloro-3-methylphenol	8.710	107	123098	39.235	ng		99
37) 2-Methylnaphthalene	8.869	142	268630	39.587	ng		99
38) 1-Methylnaphthalene	8.969	142	275913	39.278	ng		99
40) 1,2,4,5-Tetrachloroben...	9.039	216	137091	39.828	ng		98
41) Hexachlorocyclopentadiene	9.022	237	61927	31.704	ng		98
43) 2,4,6-Trichlorophenol	9.151	196	86463	38.549	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142964.D
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Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jul 02 12:31:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

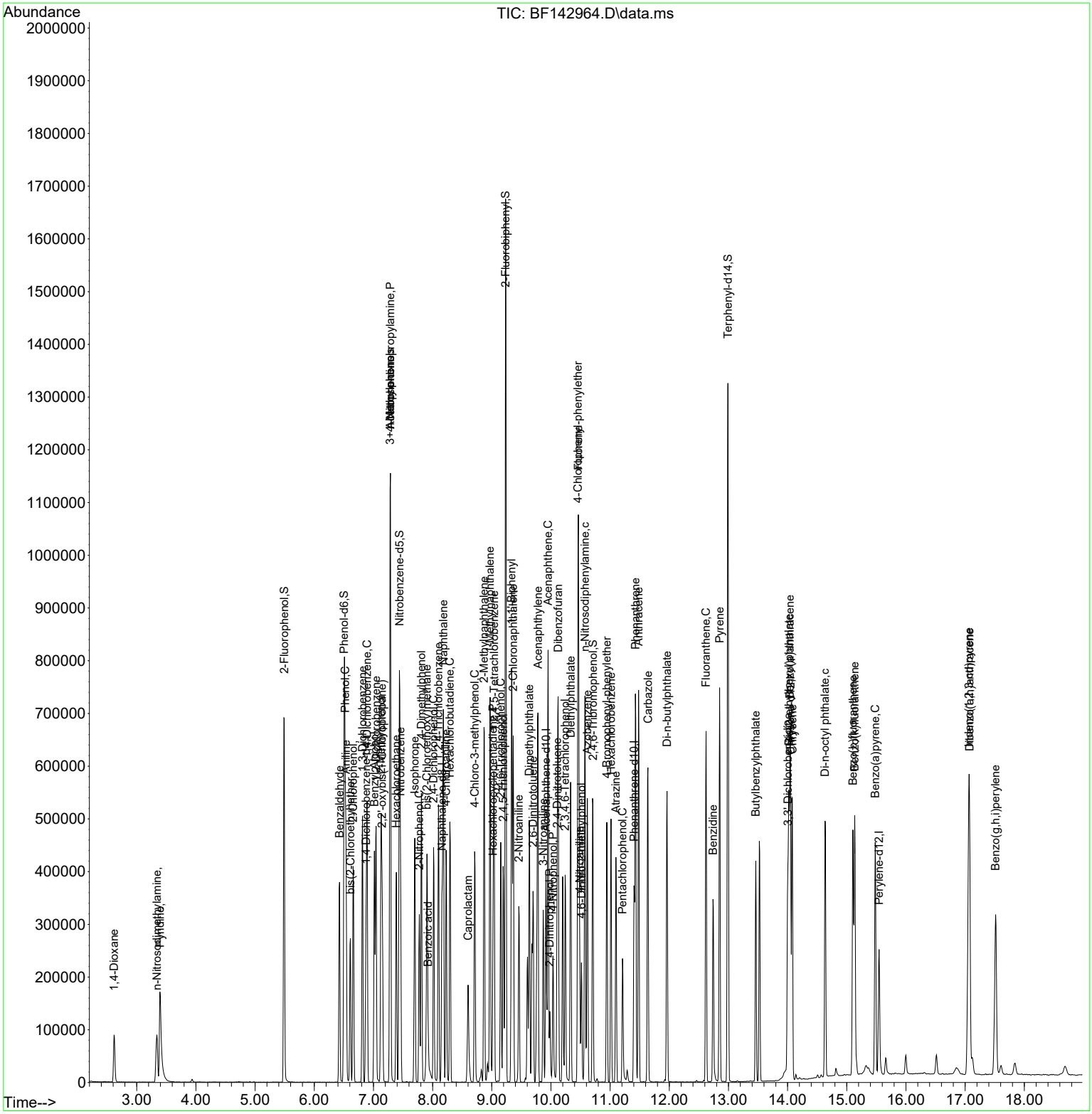
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	91232	38.640	ng	98
46) 1,1'-Biphenyl	9.333	154	360192	39.088	ng	100
47) 2-Chloronaphthalene	9.363	162	266073	38.477	ng	100
48) 2-Nitroaniline	9.457	65	76026	39.215	ng	100
49) Acenaphthylene	9.780	152	443514	38.960	ng	99
50) Dimethylphthalate	9.633	163	295995	39.199	ng	99
51) 2,6-Dinitrotoluene	9.698	165	66200	39.921	ng	99
52) Acenaphthene	9.951	154	271033	39.023	ng	100
53) 3-Nitroaniline	9.869	138	73098	40.037	ng	99
54) 2,4-Dinitrophenol	9.980	184	28575	34.414	ng	97
55) Dibenzofuran	10.122	168	385288	38.685	ng	100
56) 4-Nitrophenol	10.033	139	57314	45.854	ng	98
57) 2,4-Dinitrotoluene	10.104	165	87102	39.544	ng	96
58) Fluorene	10.463	166	306402	39.391	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	73451	38.594	ng	95
60) Diethylphthalate	10.333	149	298938	40.377	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	147263	39.675	ng	99
62) 4-Nitroaniline	10.486	138	67838	40.627	ng	97
63) Azobenzene	10.616	77	253554	38.318	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	43984	37.330	ng	93
66) n-Nitrosodiphenylamine	10.575	169	262226	38.842	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	86932	39.212	ng	96
68) Hexachlorobenzene	11.016	284	93666	38.023	ng	99
69) Atrazine	11.098	200	73076	41.917	ng	98
70) Pentachlorophenol	11.210	266	43803	35.684	ng	100
71) Phenanthrene	11.427	178	404225	38.308	ng	100
72) Anthracene	11.480	178	417414	38.570	ng	100
73) Carbazole	11.639	167	358920	38.432	ng	99
74) Di-n-butylphthalate	11.963	149	409630	42.104	ng	99
75) Fluoranthene	12.621	202	386289	38.573	ng	100
77) Benzidine	12.739	184	206536	46.514	ng	99
78) Pyrene	12.851	202	445961	40.257	ng	100
80) Butylbenzylphthalate	13.463	149	140470	43.714	ng	97
81) Benzo(a)anthracene	14.039	228	318700	39.974	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	100139	38.724	ng	98
83) Chrysene	14.080	228	265448	37.312	ng	99
84) Bis(2-ethylhexyl)phtha...	14.021	149	200158	43.293	ng	99
85) Di-n-octyl phthalate	14.633	149	345369	39.616	ng	98
87) Indeno(1,2,3-cd)pyrene	17.062	276	349123	36.965	ng	98
88) Benzo(b)fluoranthene	15.104	252	314480	43.830	ng	100
89) Benzo(k)fluoranthene	15.133	252	249604	37.183	ng	100
90) Benzo(a)pyrene	15.480	252	276854	39.941	ng	100
91) Dibenzo(a,h)anthracene	17.074	278	283004	36.878	ng	98
92) Benzo(g,h,i)perylene	17.515	276	281879	36.836	ng	98

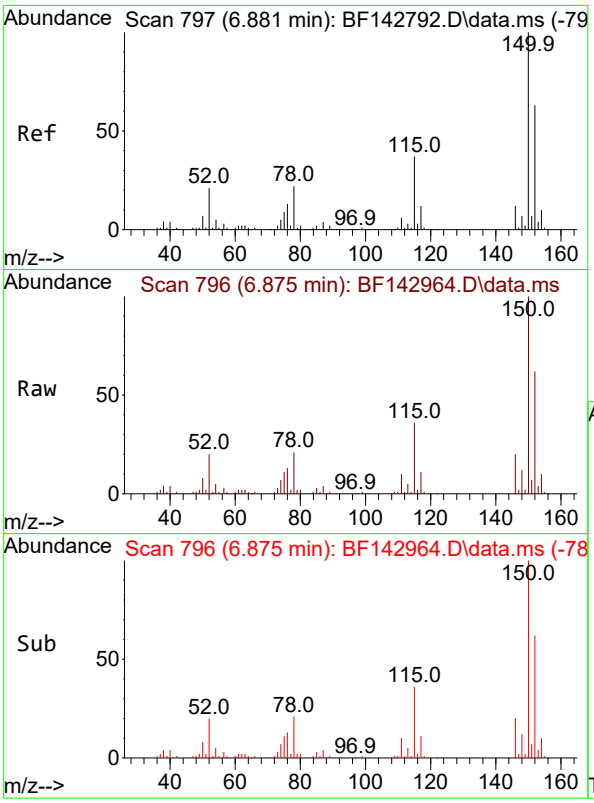
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142964.D
Acq On : 02 Jul 2025 11:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jul 02 12:31:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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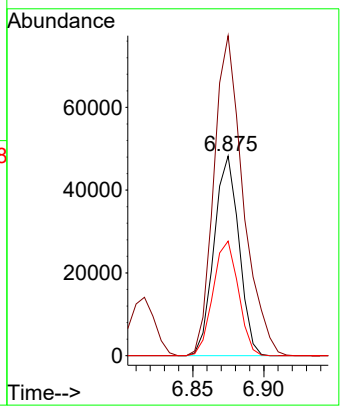


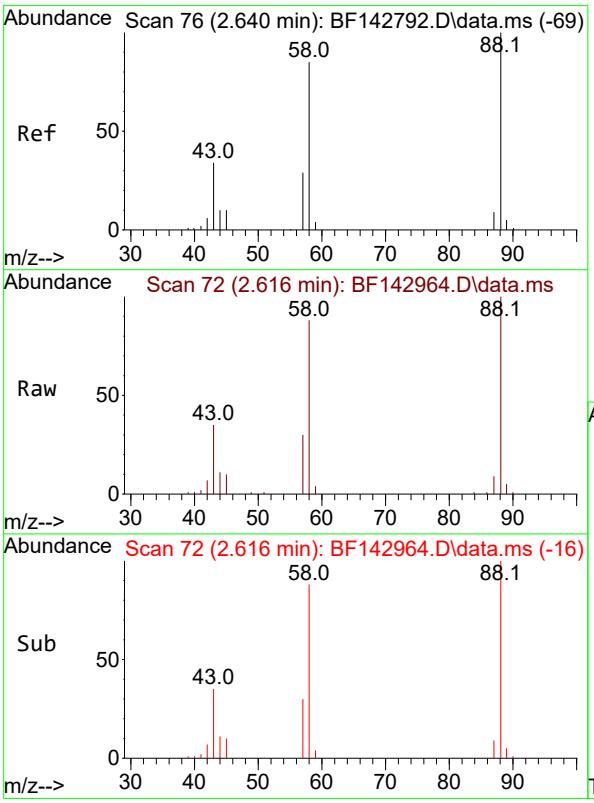
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 58835

Ion	Ratio	Lower	Upper
152	100		
150	160.2	127.2	190.8
115	57.4	46.6	69.8

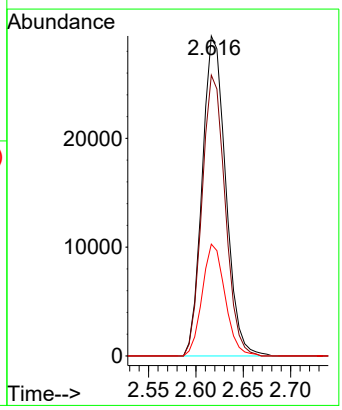


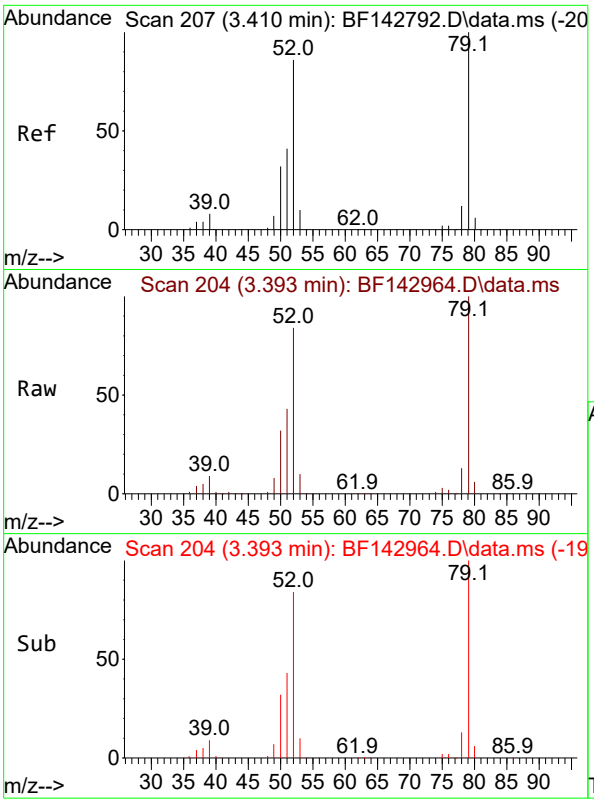


#2
1,4-Dioxane
Concen: 35.951 ng
RT: 2.616 min Scan# 72
Delta R.T. -0.023 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion: 88 Resp: 50814

Ion	Ratio	Lower	Upper
88	100		
58	86.2	69.1	103.7
43	34.0	27.4	41.2



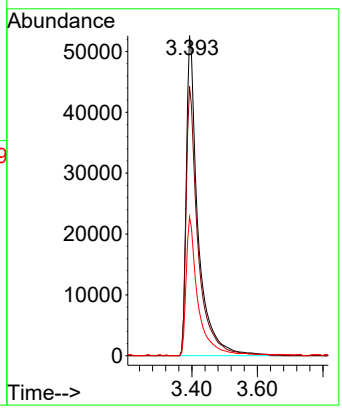


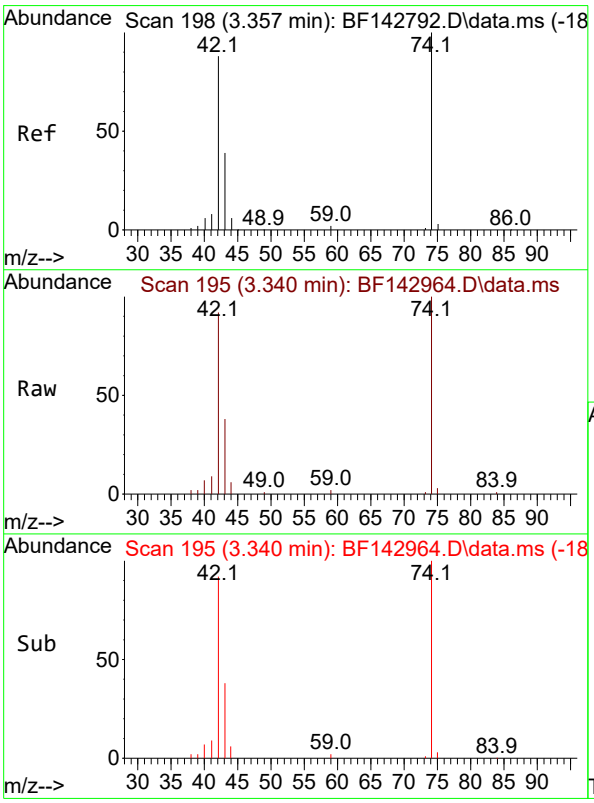
#3
Pyridine
Concen: 36.607 ng
RT: 3.393 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 129715

Ion	Ratio	Lower	Upper
79	100		
52	84.2	69.2	103.8
51	43.4	33.2	49.8

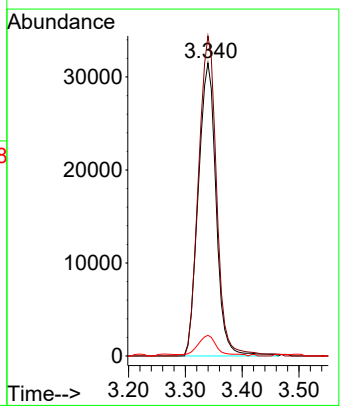


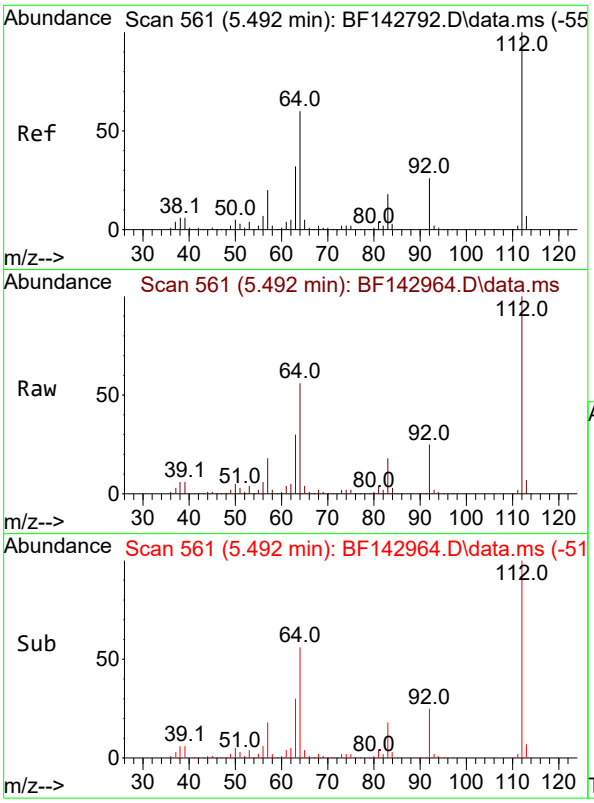


#4
n-Nitrosodimethylamine
Concen: 37.370 ng
RT: 3.340 min Scan# 195
Delta R.T. -0.018 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion: 42 Resp: 68475

Ion	Ratio	Lower	Upper
42	100		
74	109.2	90.9	136.3
44	7.0	5.8	8.6



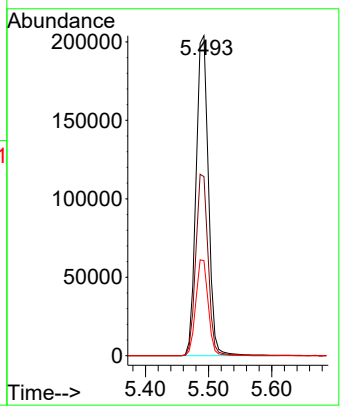


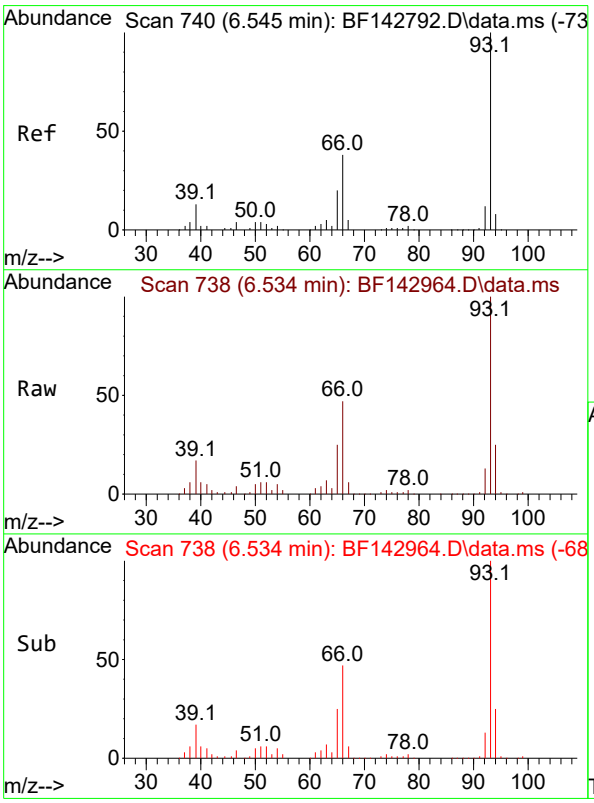
#5
2-Fluorophenol
Concen: 78.264 ng
RT: 5.492 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 276568

Ion	Ratio	Lower	Upper
112	100		
64	56.0	48.2	72.2
63	29.7	25.7	38.5

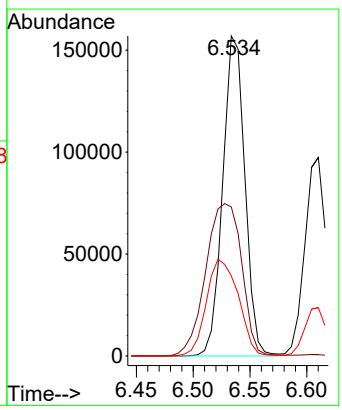


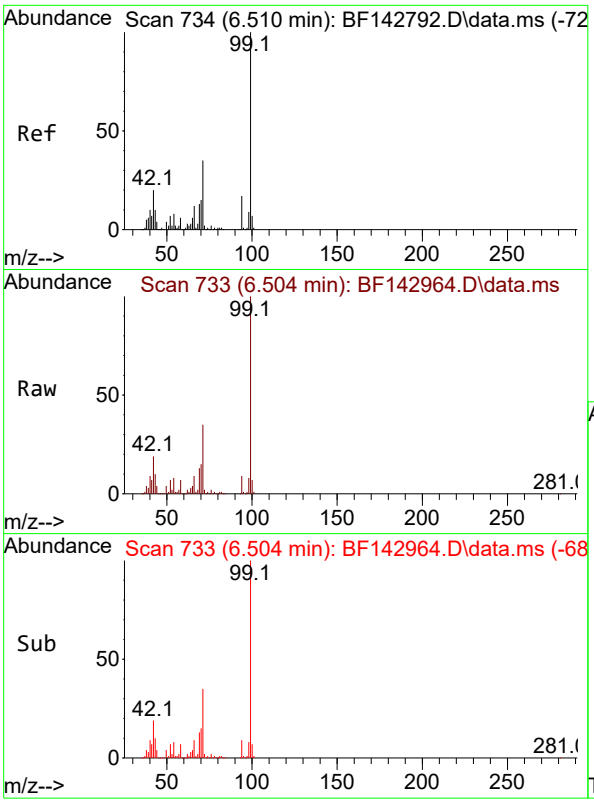


#6
Aniline
Concen: 38.399 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion: 93 Resp: 213019

Ion	Ratio	Lower	Upper
93	100		
66	46.5	31.8	47.6
65	25.0	16.2	24.2#



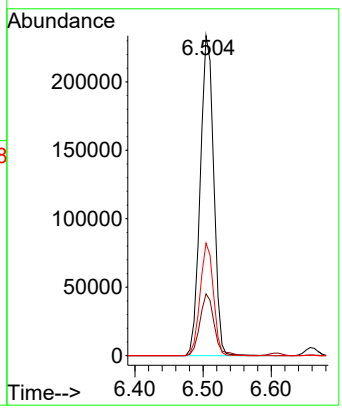


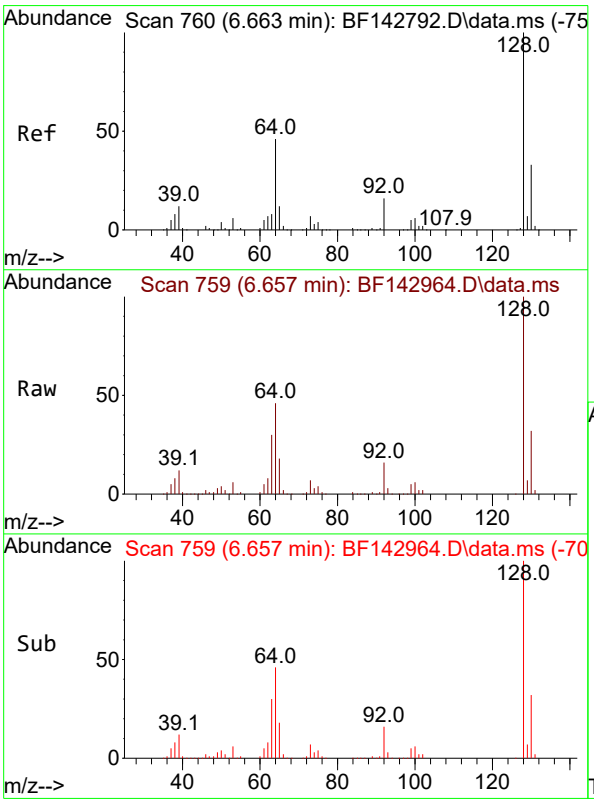
#7
Phenol-d6
Concen: 77.015 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 321092

Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.9	23.9
71	35.2	27.8	41.8

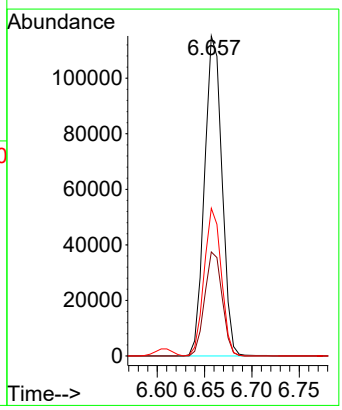


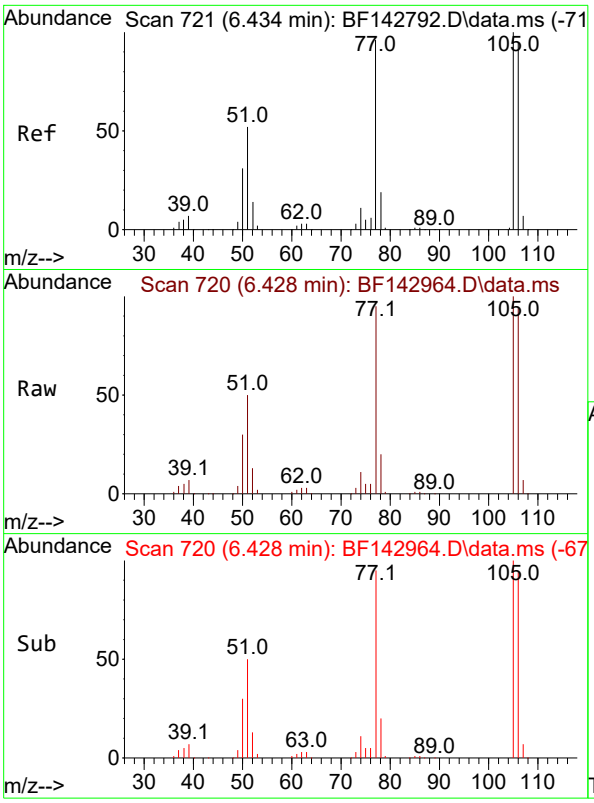


#8
2-Chlorophenol
Concen: 38.633 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:128 Resp: 147268

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.7	52.7
64	46.1	26.5	66.5



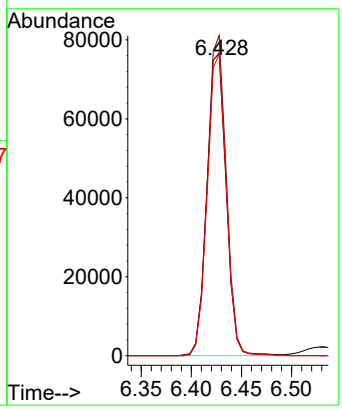


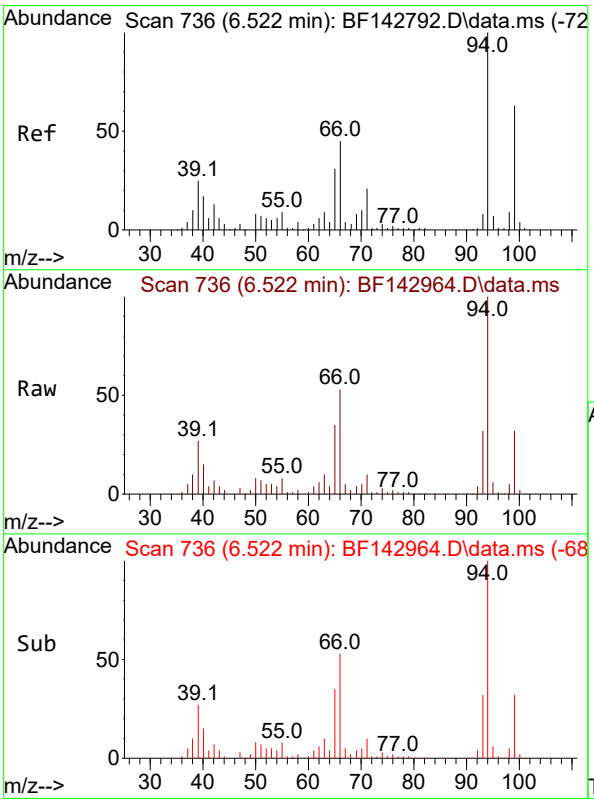
#9
Benzaldehyde
Concen: 41.363 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 102310

Ion	Ratio	Lower	Upper
77	100		
105	105.7	83.8	123.8
106	99.8	78.7	118.7

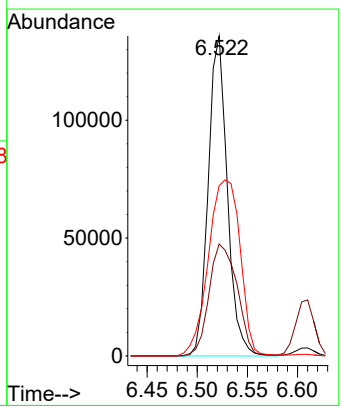


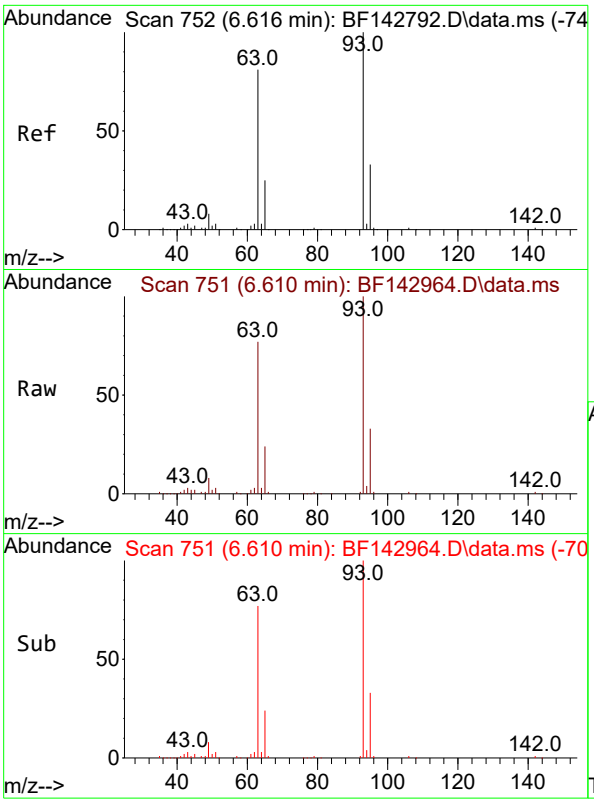


#10
Phenol
Concen: 38.801 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion: 94 Resp: 179818

Ion	Ratio	Lower	Upper
94	100		
65	35.0	11.3	51.3
66	53.2	24.9	64.9



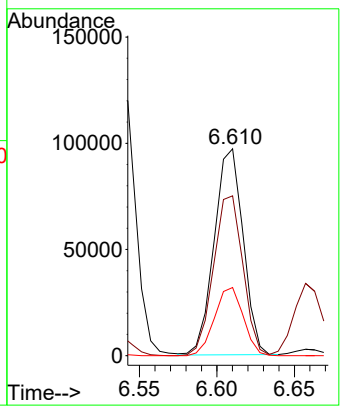


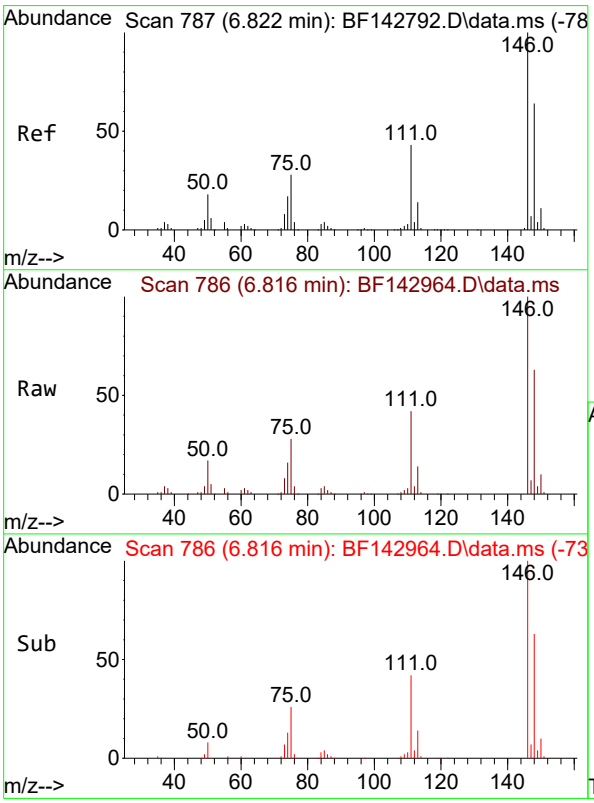
#11
bis(2-Chloroethyl)ether
Concen: 38.094 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 126176

Ion	Ratio	Lower	Upper
93	100		
63	77.3	60.3	100.3
95	32.9	12.5	52.5

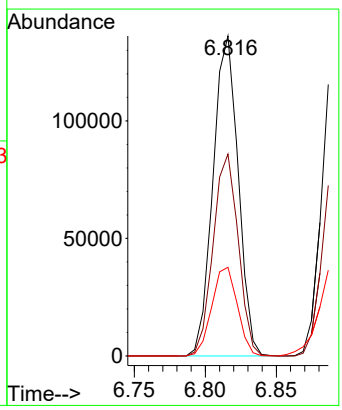


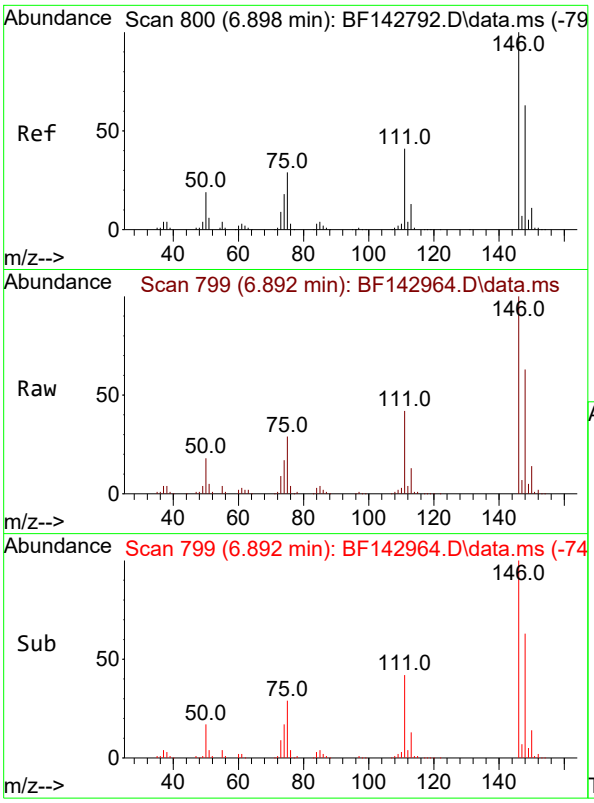


#12
1,3-Dichlorobenzene
Concen: 39.362 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:146 Resp: 167807

Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.1	76.7
75	27.7	22.7	34.1



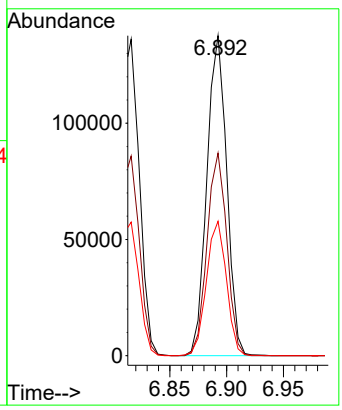


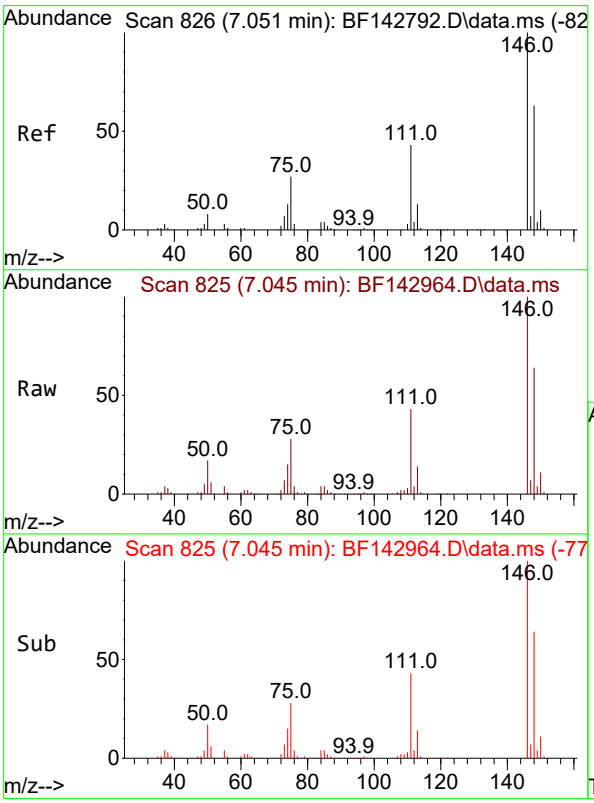
#13
1,4-Dichlorobenzene
Concen: 38.838 ng
RT: 6.892 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 167051

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.2	75.2
111	42.0	33.2	49.8

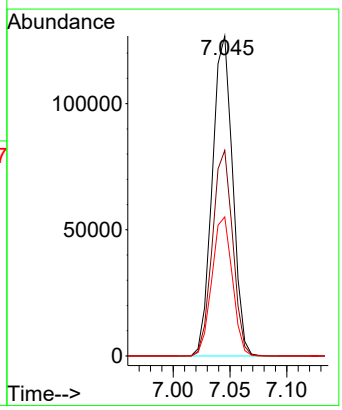


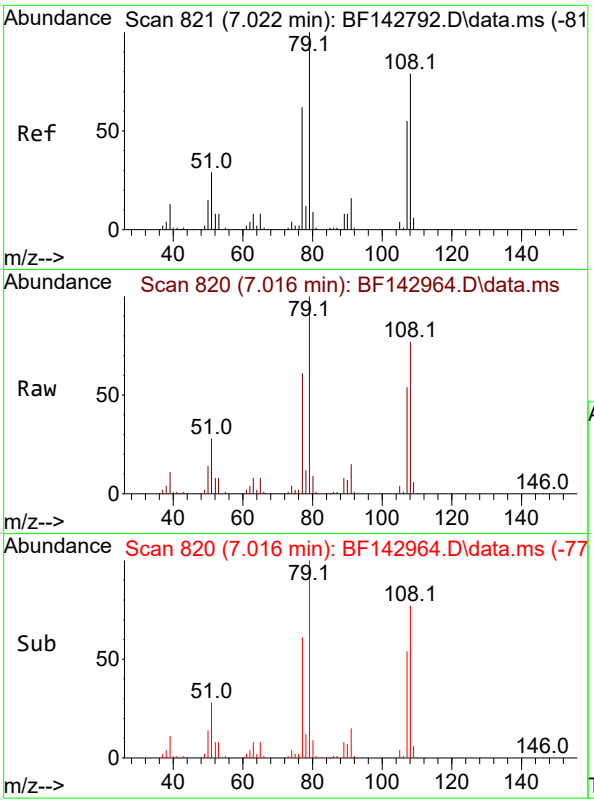


#14
1,2-Dichlorobenzene
Concen: 38.750 ng
RT: 7.045 min Scan# 825
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:146 Resp: 158089

Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.4	75.6
111	43.5	34.1	51.1



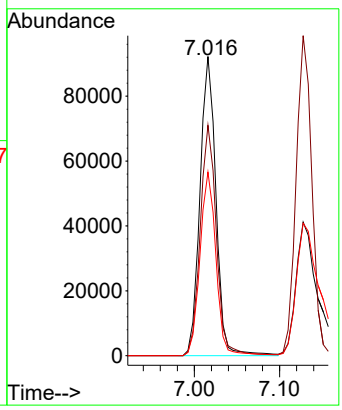


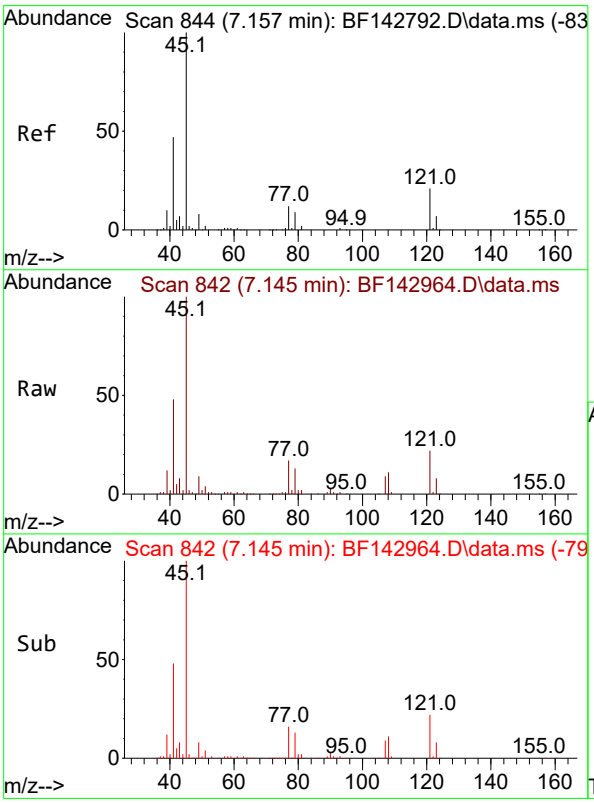
#15
Benzyl Alcohol
Concen: 39.888 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 120225

Ion	Ratio	Lower	Upper
79	100		
108	77.0	63.4	95.0
77	61.4	49.5	74.3

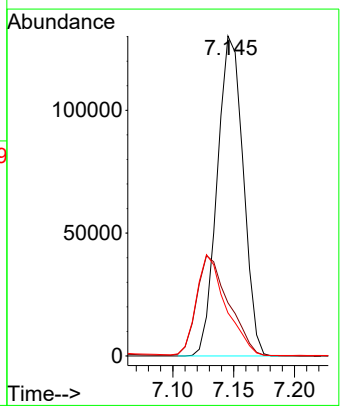


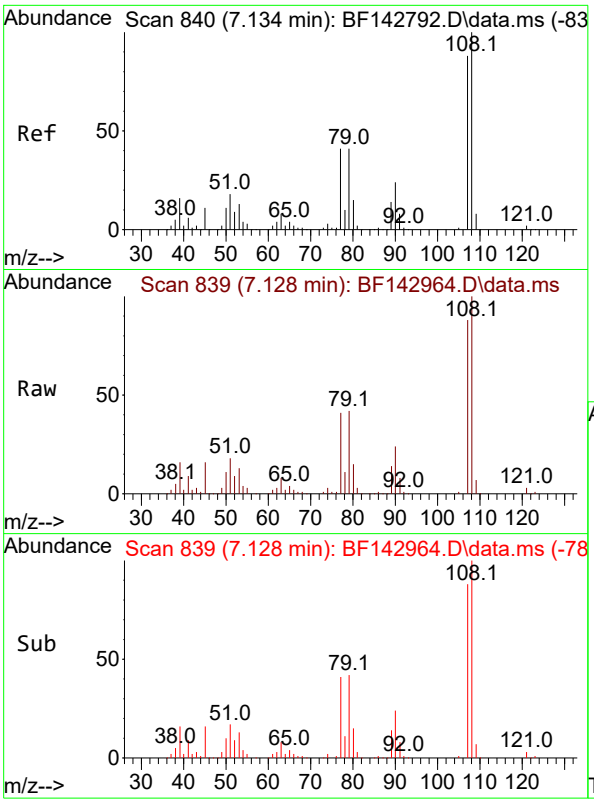


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.334 ng
RT: 7.145 min Scan# 842
Delta R.T. -0.012 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion: 45 Resp: 193355

Ion	Ratio	Lower	Upper
45	100		
77	16.6	0.0	32.8
79	13.4	0.0	29.8



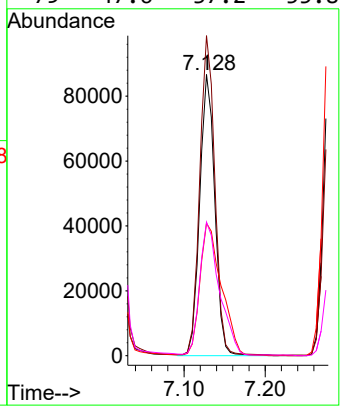


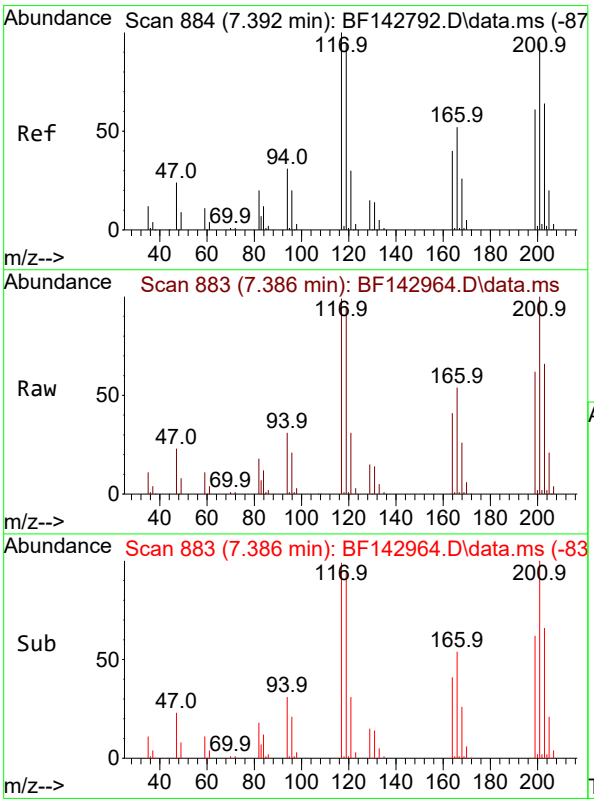
#17
2-Methylphenol
Concen: 38.742 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 111915

Ion	Ratio	Lower	Upper
107	100		
108	113.9	90.9	136.3
77	47.1	37.3	55.9
79	47.6	37.2	55.8

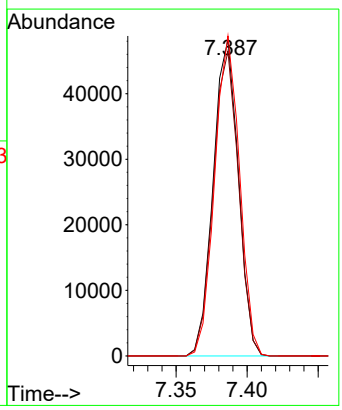


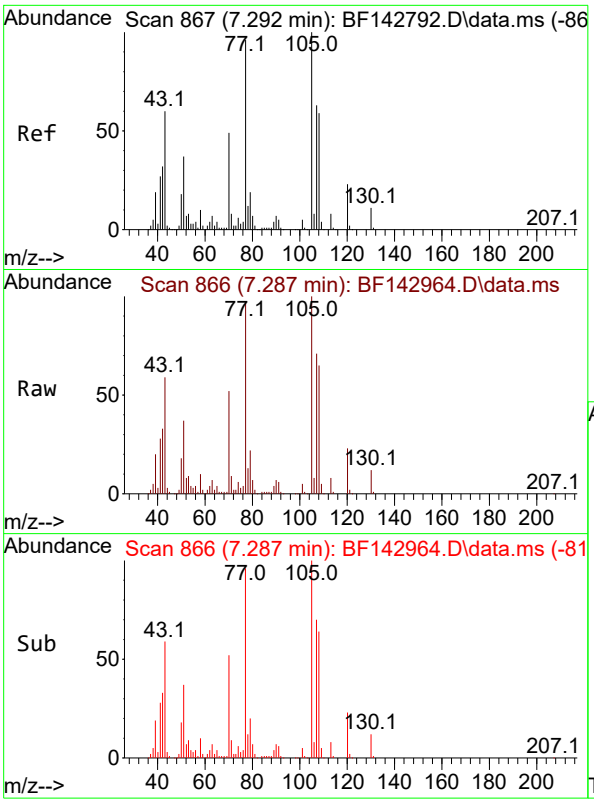


#18
Hexachloroethane
Concen: 39.504 ng
RT: 7.386 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:117 Resp: 59432

Ion	Ratio	Lower	Upper
117	100		
119	96.3	75.4	113.0
201	101.1	75.9	113.9



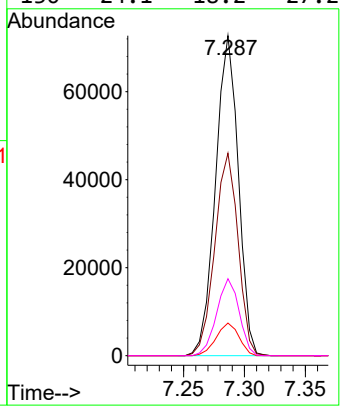


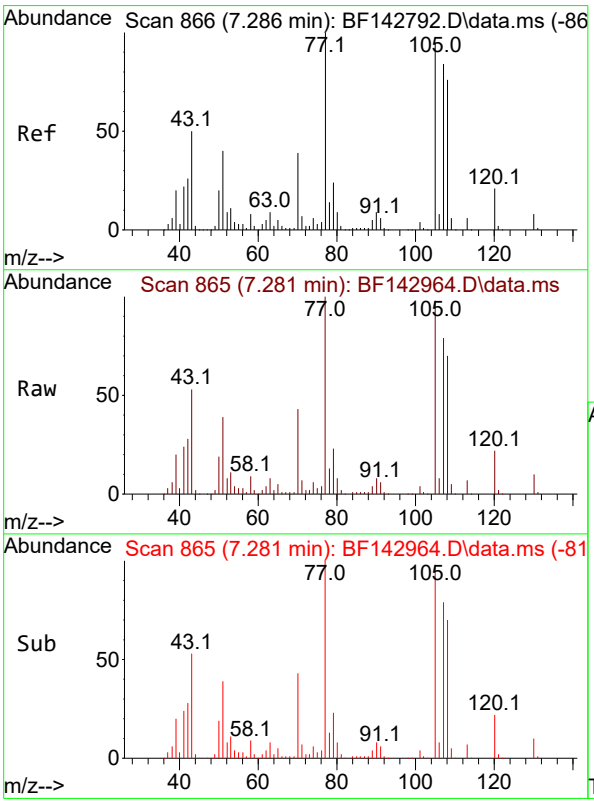
#19
n-Nitroso-di-n-propylamine
Concen: 39.120 ng
RT: 7.287 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 94859

Ion	Ratio	Lower	Upper
70	100		
42	63.2	52.1	78.1
101	10.2	8.2	12.2
130	24.1	18.2	27.2

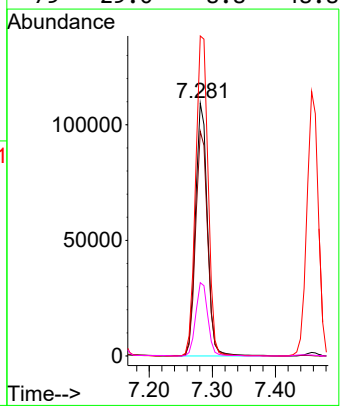


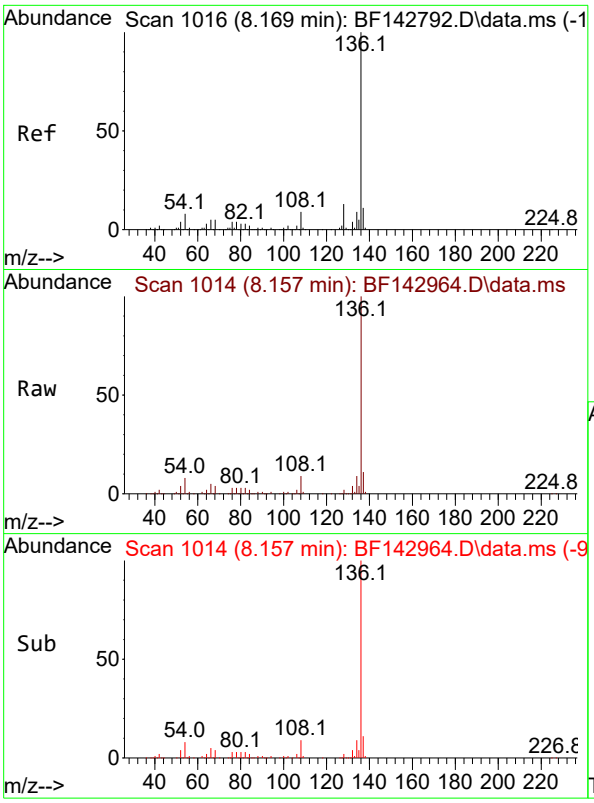


#20
3+4-Methylphenols
Concen: 39.858 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:107 Resp: 143560

Ion	Ratio	Lower	Upper
107	100		
108	88.9	70.0	110.0
77	126.6	98.5	138.5
79	29.0	8.8	48.8



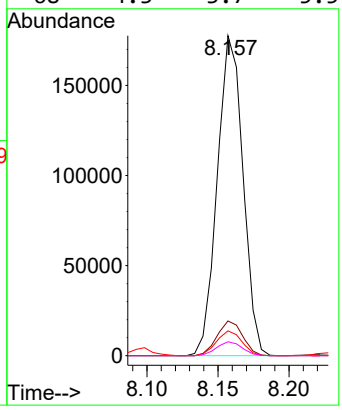


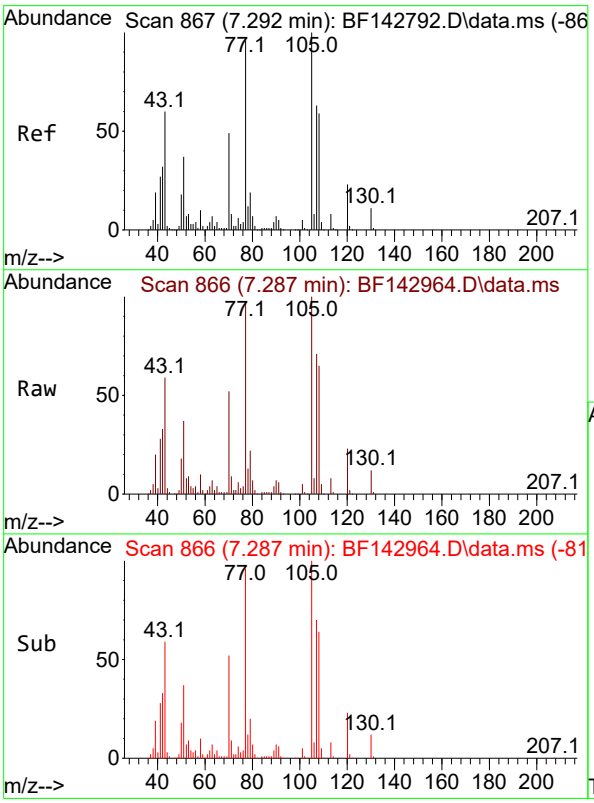
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 223613

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	7.7	6.3	9.5
68	4.3	3.7	5.5

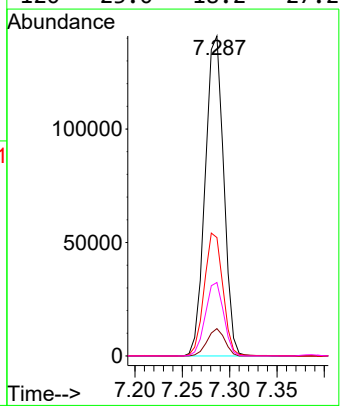


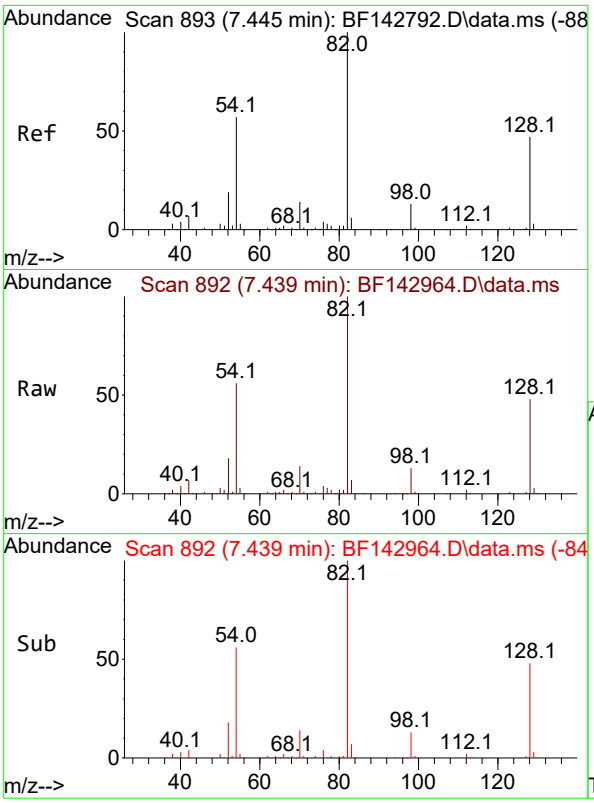


#22
Acetophenone
Concen: 38.808 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:105 Resp: 191366

Ion	Ratio	Lower	Upper
105	100		
71	8.6	6.5	9.7
51	37.0	29.8	44.8
120	23.0	18.2	27.2



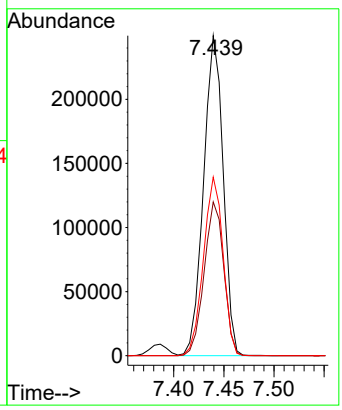


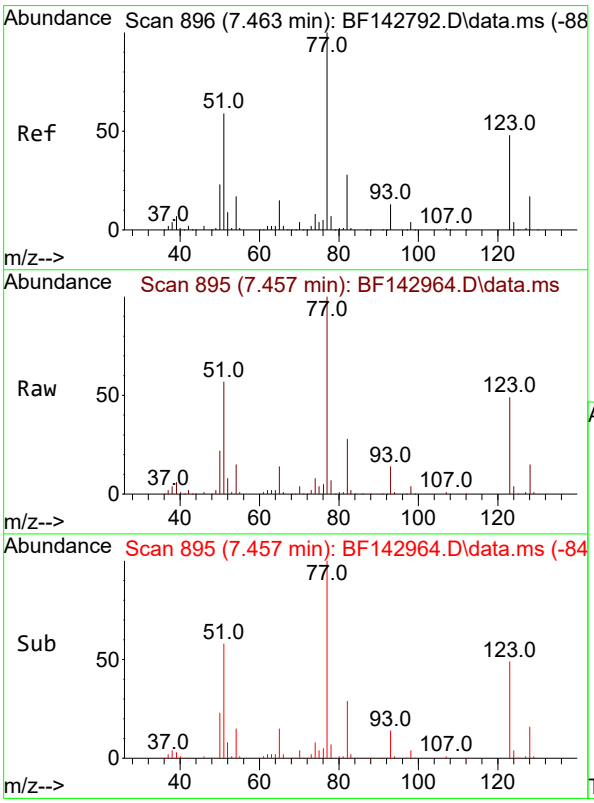
#23
Nitrobenzene-d5
Concen: 83.519 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 340484

Ion	Ratio	Lower	Upper
82	100		
128	48.0	37.7	56.5
54	55.8	45.7	68.5

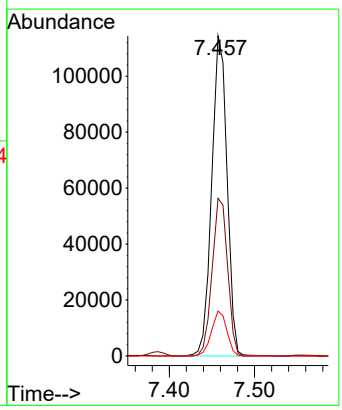


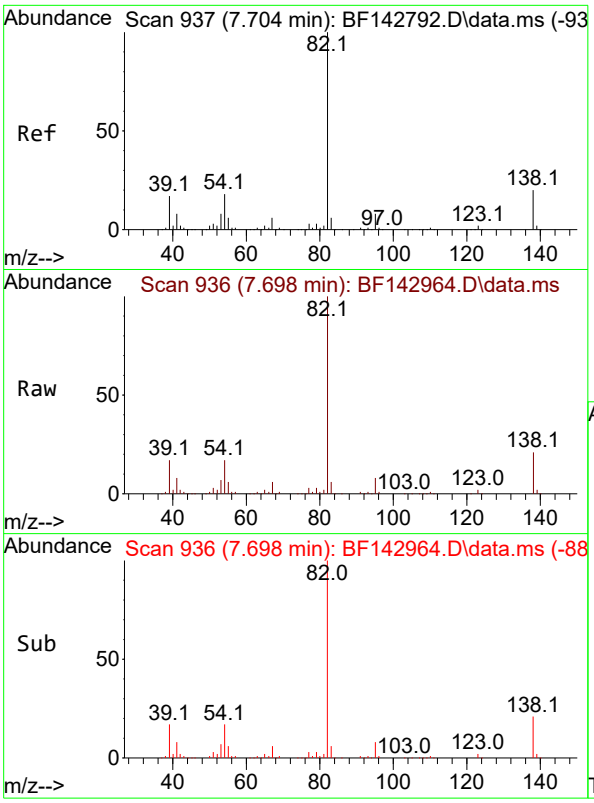


#24
Nitrobenzene
Concen: 38.821 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion: 77 Resp: 143245

Ion	Ratio	Lower	Upper
77	100		
123	49.2	39.2	58.8
65	14.1	11.6	17.4



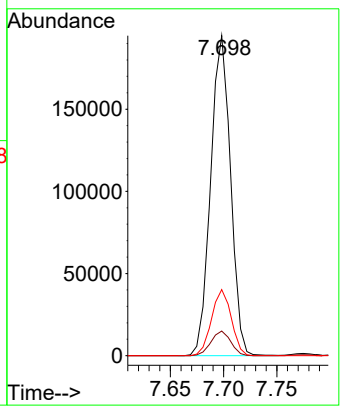


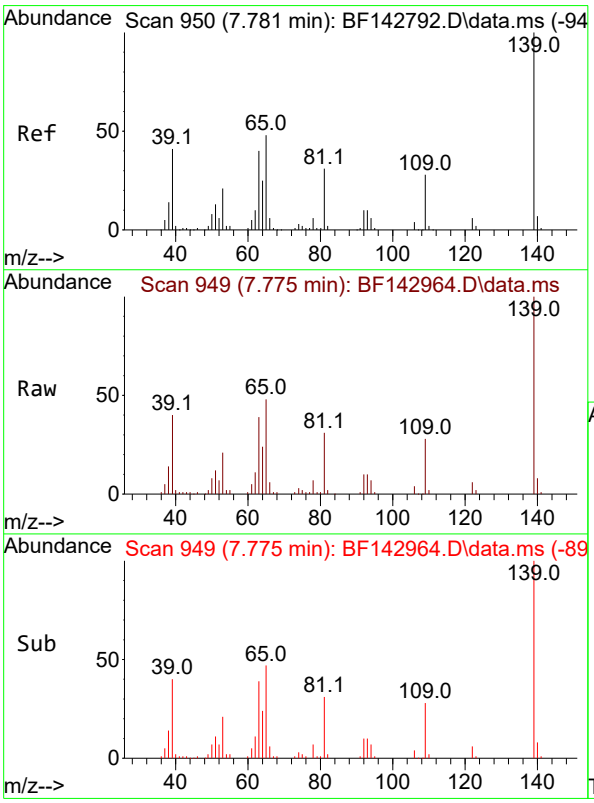
#25
Isophorone
Concen: 38.611 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 252508

Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.2	9.2
138	20.6	16.2	24.4

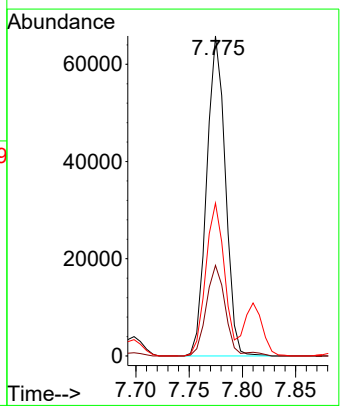


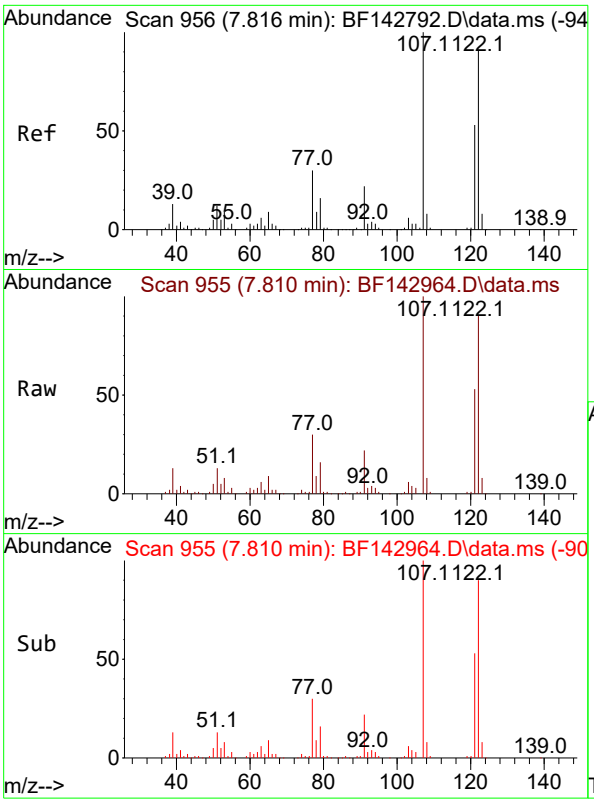


#26
2-Nitrophenol
Concen: 39.896 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:139 Resp: 80191

Ion	Ratio	Lower	Upper
139	100		
109	28.3	22.7	34.1
65	47.8	38.6	58.0



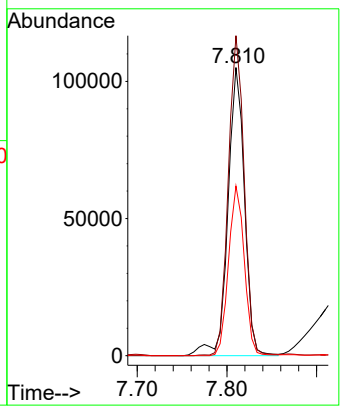


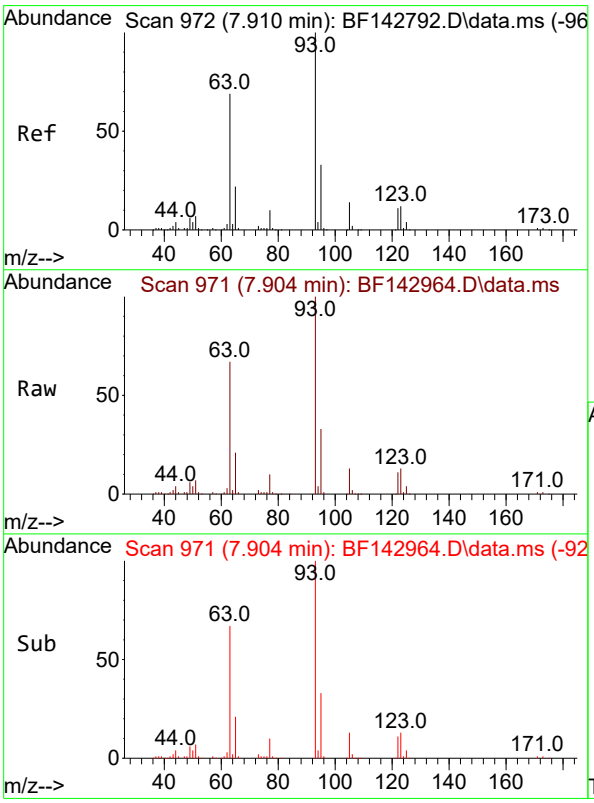
#27
2,4-Dimethylphenol
Concen: 38.663 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 134614

Ion	Ratio	Lower	Upper
122	100		
107	111.1	88.0	132.0
121	58.9	46.3	69.5

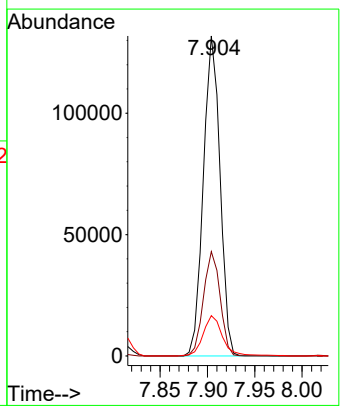


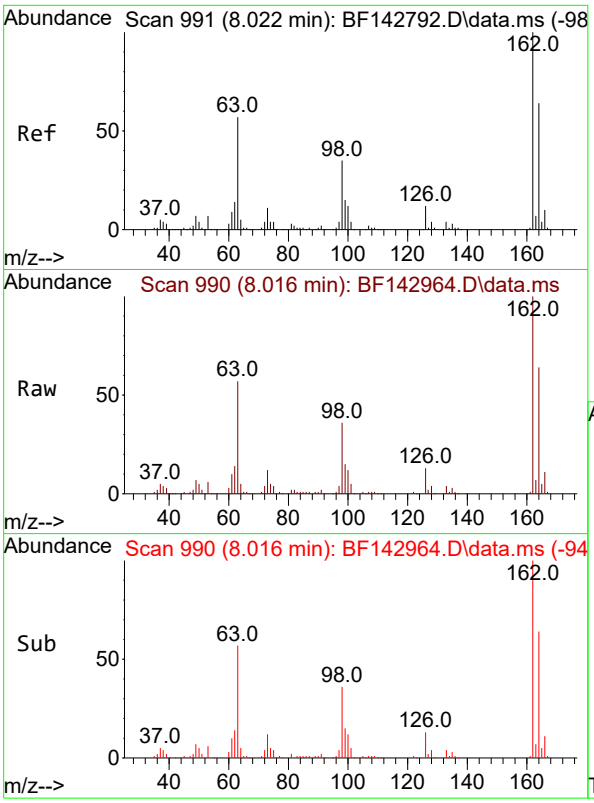


#28
bis(2-Chloroethoxy)methane
Concen: 38.695 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion: 93 Resp: 160881

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.2
123	12.6	9.9	14.9



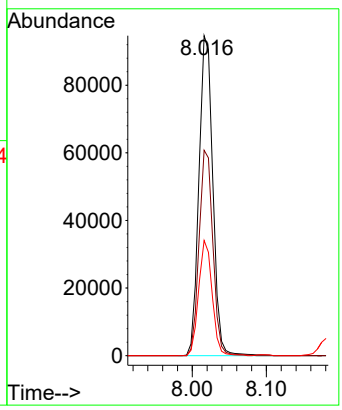


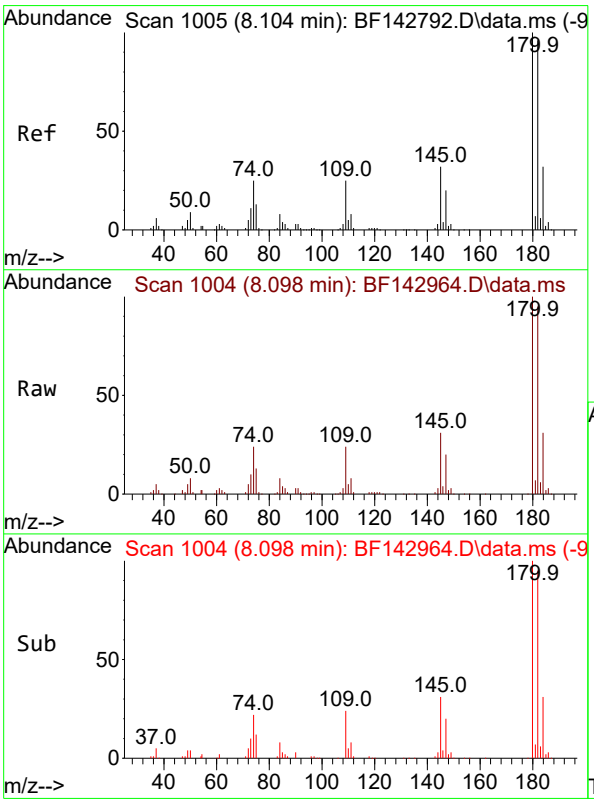
#29
2,4-Dichlorophenol
Concen: 38.979 ng
RT: 8.016 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 123052

Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.0	84.0
98	36.0	15.4	55.4

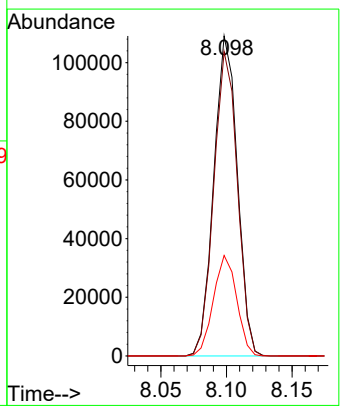


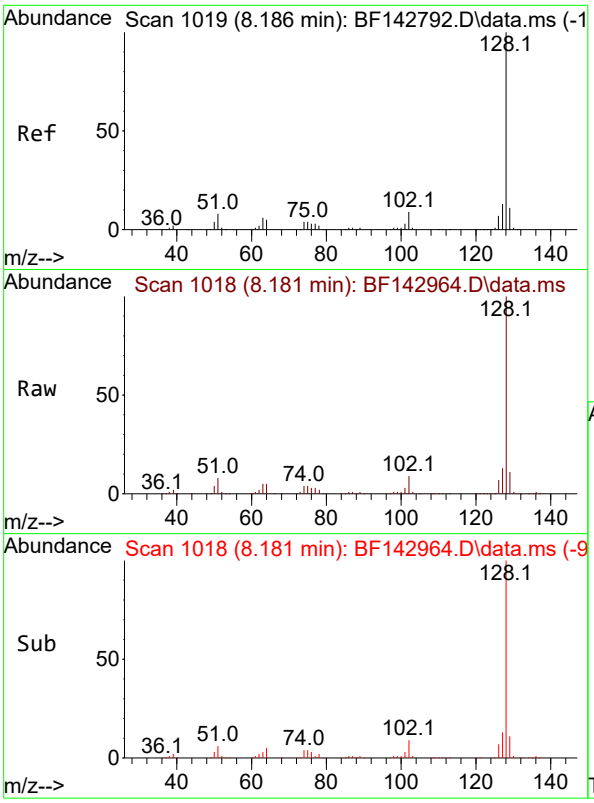


#30
1,2,4-Trichlorobenzene
Concen: 39.253 ng
RT: 8.098 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:180 Resp: 136262

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.4	114.6
145	31.4	25.8	38.8



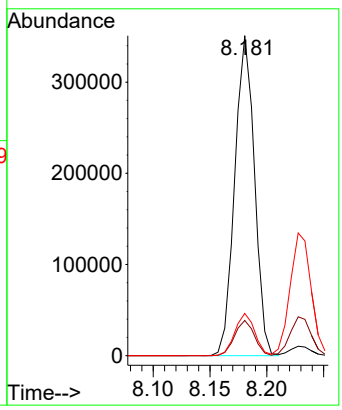


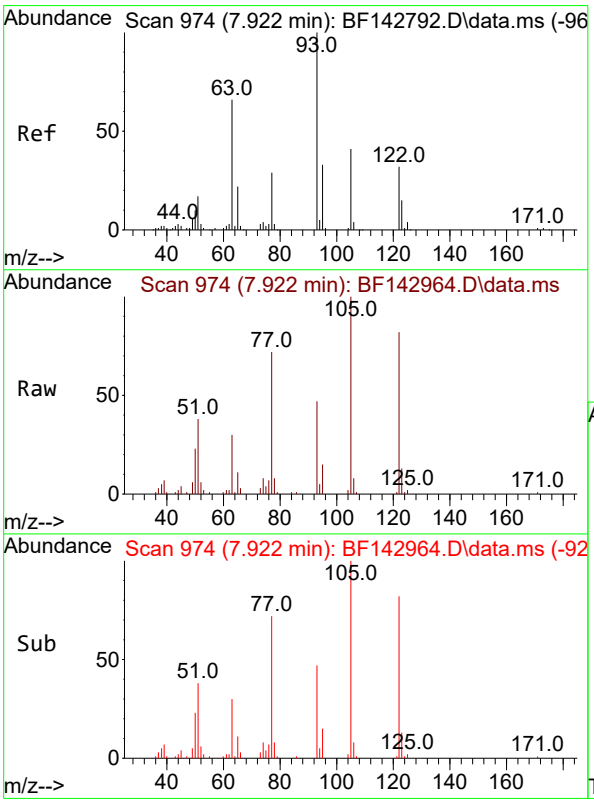
#31
Naphthalene
Concen: 38.685 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 423430

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.2	10.4	15.6

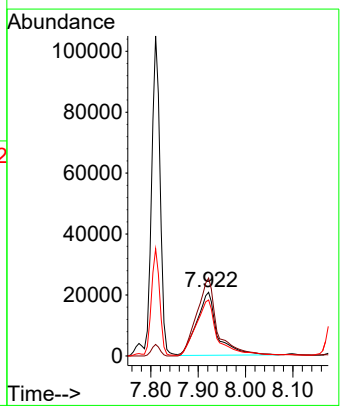


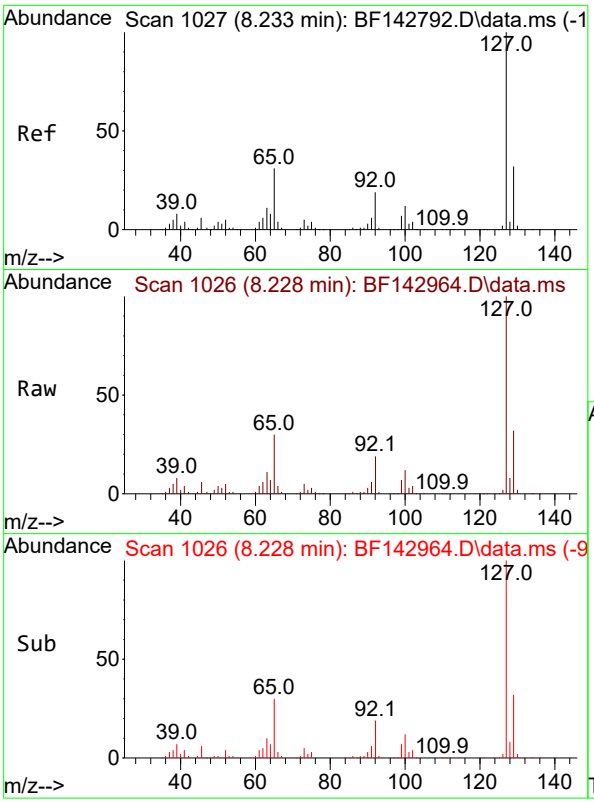


#32
Benzoic acid
Concen: 35.216 ng
RT: 7.922 min Scan# 974
Delta R.T. 0.000 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:122 Resp: 62494

Ion	Ratio	Lower	Upper
122	100		
105	122.4	104.7	144.7
77	88.0	70.2	110.2



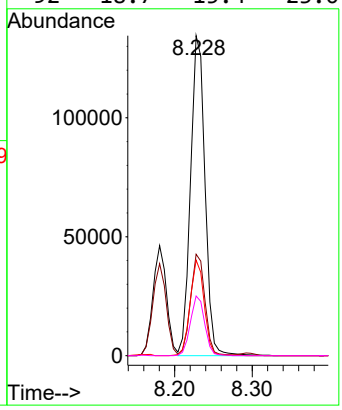


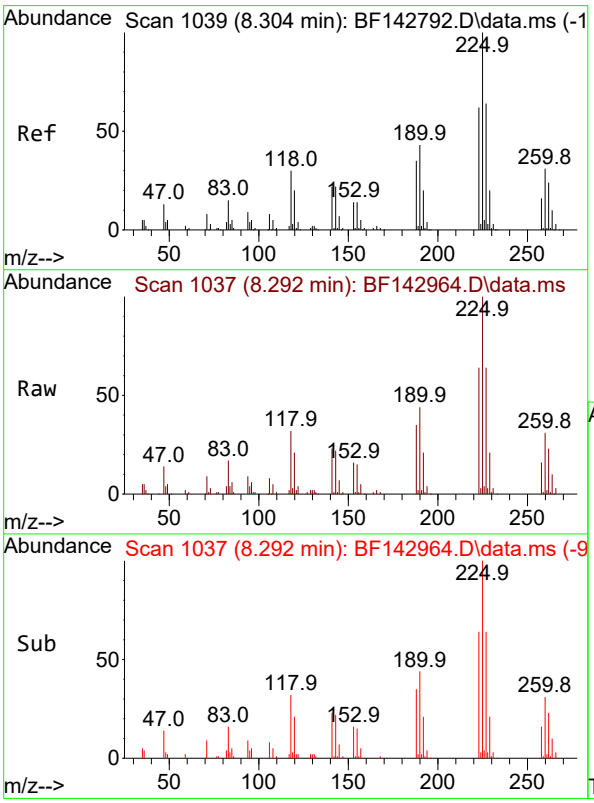
#33
4-Chloroaniline
Concen: 39.223 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 174568

Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.9	38.9
65	29.8	24.6	36.8
92	18.7	15.4	23.0

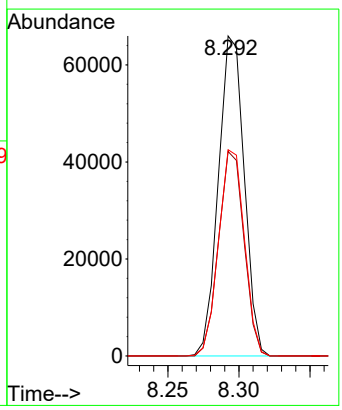


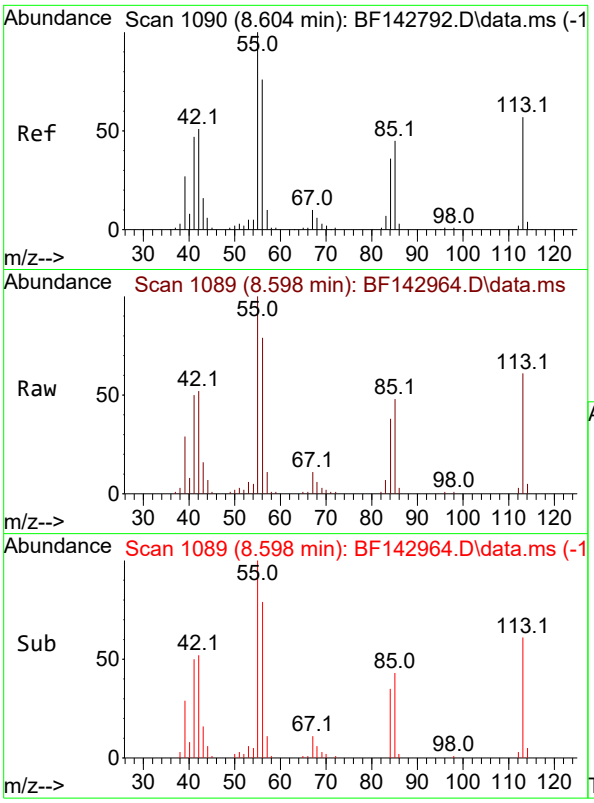


#34
Hexachlorobutadiene
Concen: 39.233 ng
RT: 8.292 min Scan# 1037
Delta R.T. -0.012 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:225 Resp: 83307

Ion	Ratio	Lower	Upper
225	100		
223	63.9	49.9	74.9
227	64.4	51.4	77.0



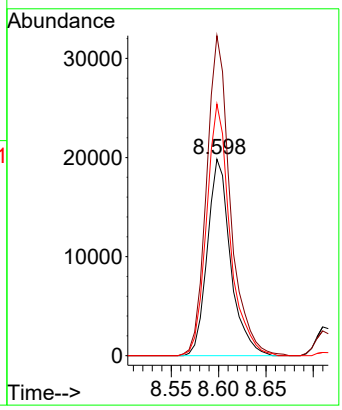


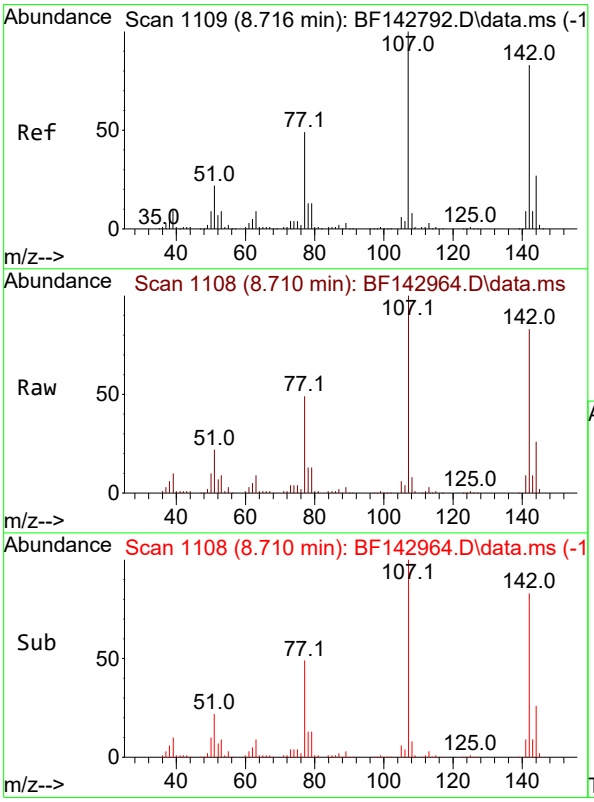
#35
Caprolactam
Concen: 40.458 ng
RT: 8.598 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 33703

Ion	Ratio	Lower	Upper
113	100		
55	162.9	154.4	194.4
56	128.2	112.1	152.1

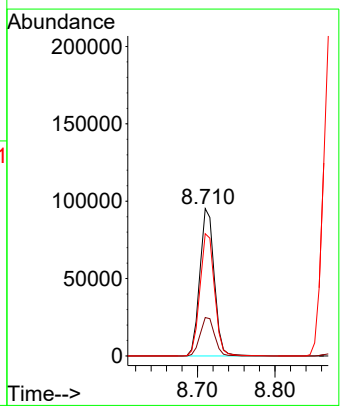


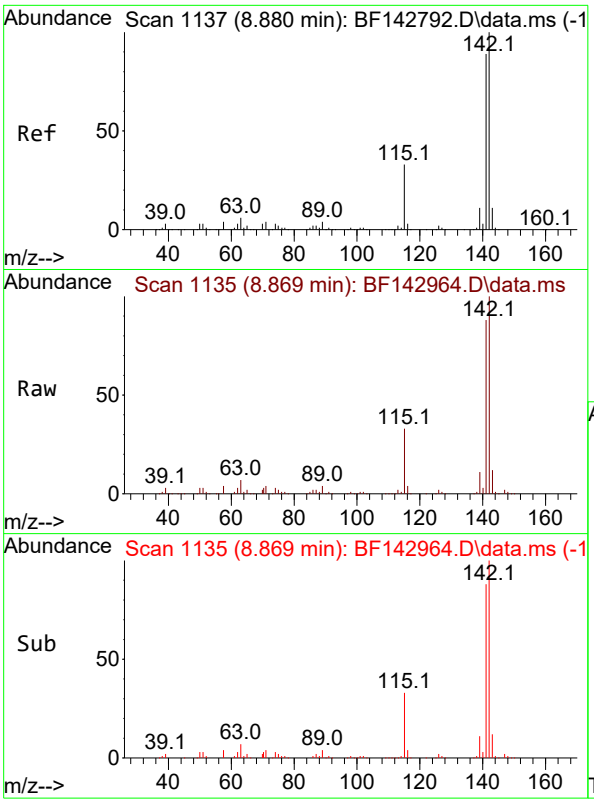


#36
4-Chloro-3-methylphenol
Concen: 39.235 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:107 Resp: 123098

Ion	Ratio	Lower	Upper
107	100		
144	26.0	21.3	31.9
142	83.0	66.6	100.0



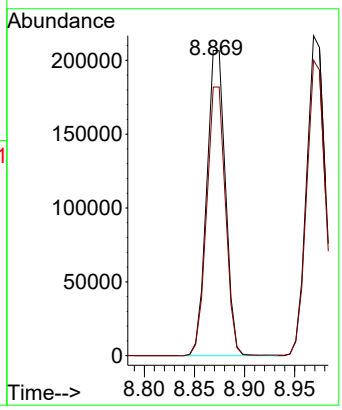


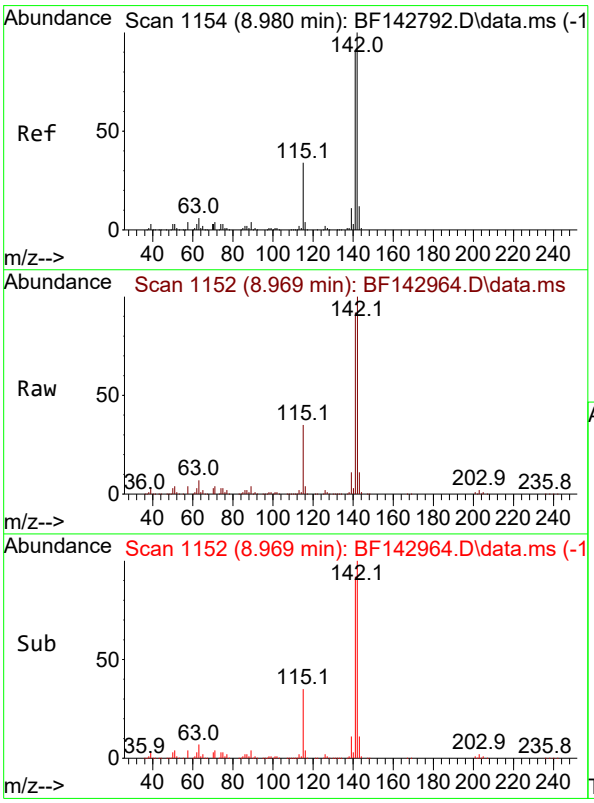
#37
2-Methylnaphthalene
Concen: 39.587 ng
RT: 8.869 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 268630

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.9	106.3

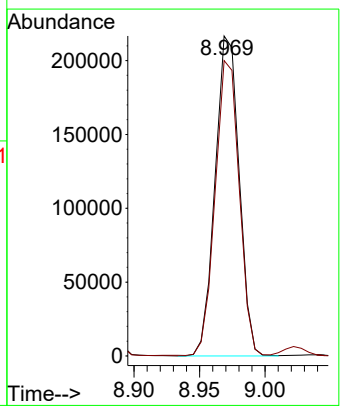


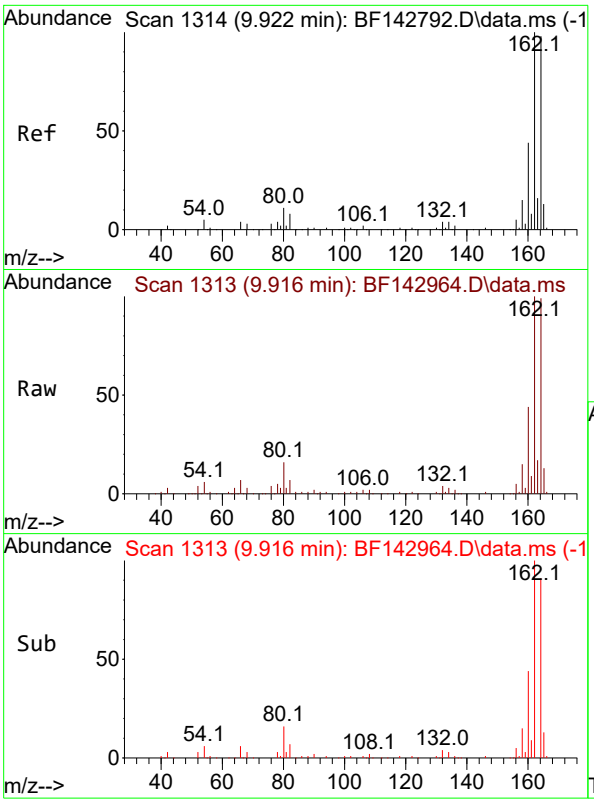


#38
1-Methylnaphthalene
Concen: 39.278 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.012 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:142 Resp: 275913

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.0	109.4



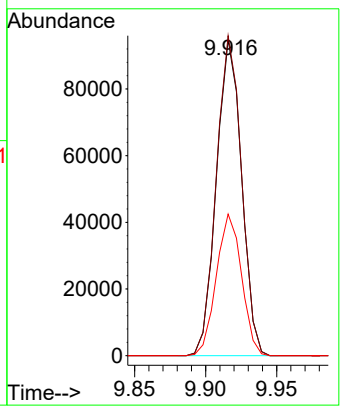


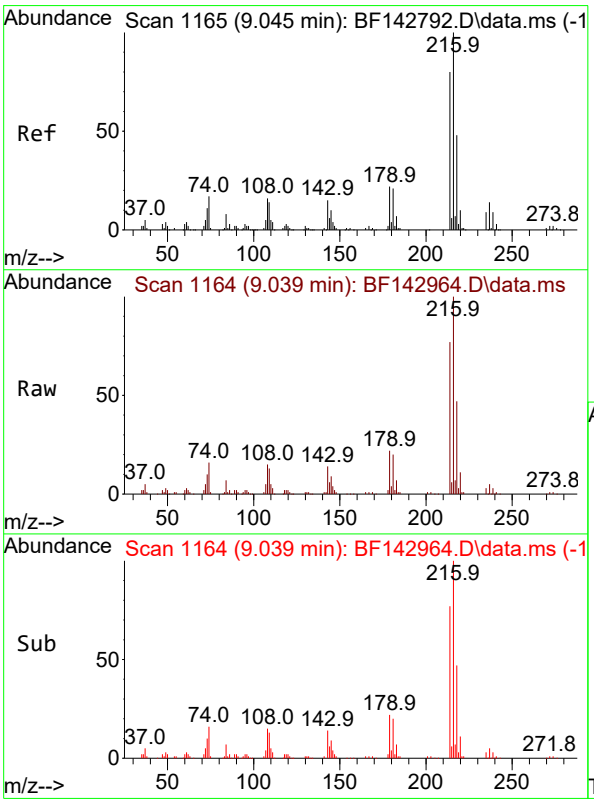
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 116653

Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.8	122.8
160	44.8	36.0	54.0

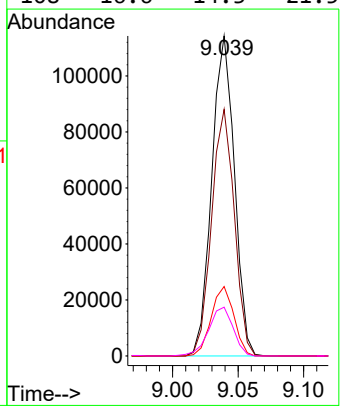


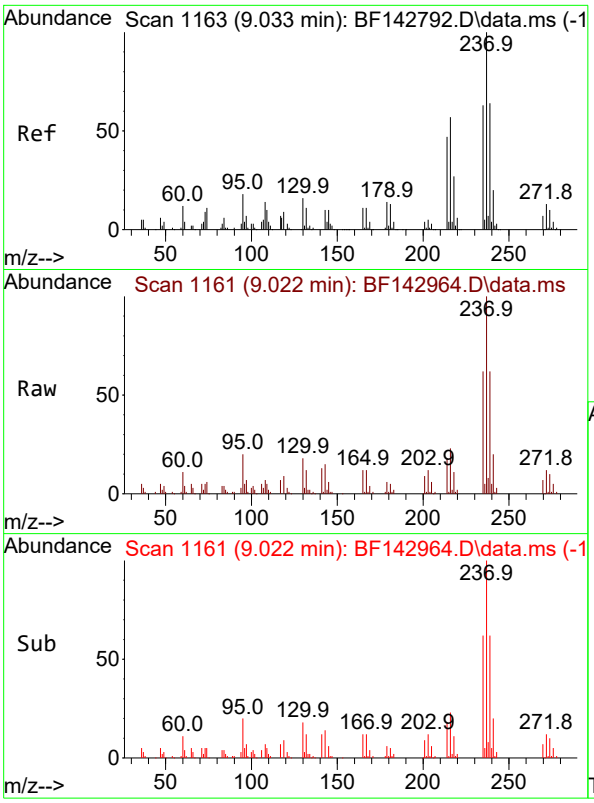


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.828 ng
RT: 9.039 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:216 Resp: 137091

Ion	Ratio	Lower	Upper
216	100		
214	77.2	63.7	95.5
179	21.7	17.6	26.4
108	16.6	14.3	21.5



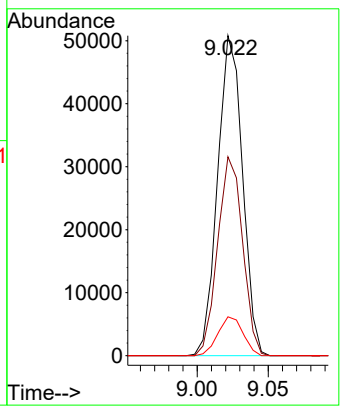


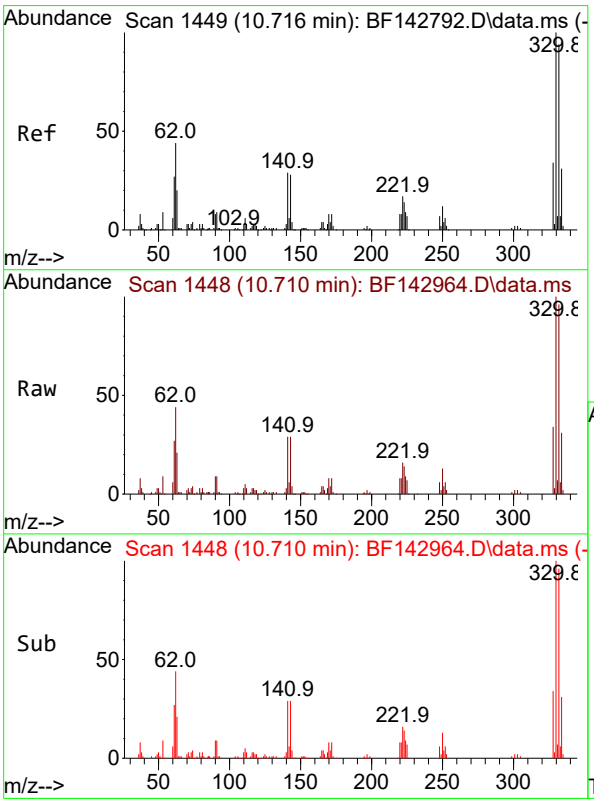
#41
Hexachlorocyclopentadiene
Concen: 31.704 ng
RT: 9.022 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 61927

Ion	Ratio	Lower	Upper
237	100		
235	62.2	43.4	83.4
272	12.2	0.0	32.7

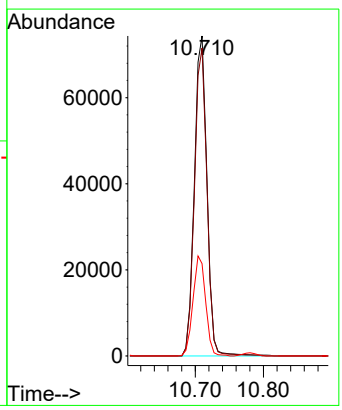


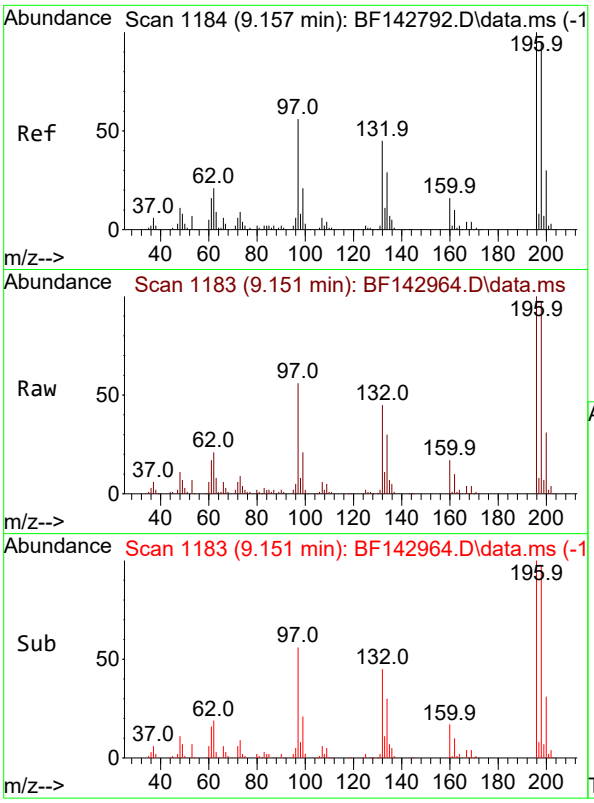


#42
2,4,6-Tribromophenol
Concen: 79.070 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:330 Resp: 94919

Ion	Ratio	Lower	Upper
330	100		
332	95.5	75.0	112.6
141	31.4	25.3	37.9



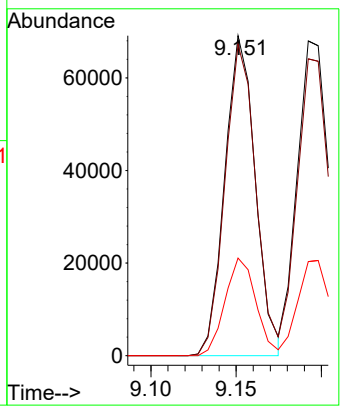


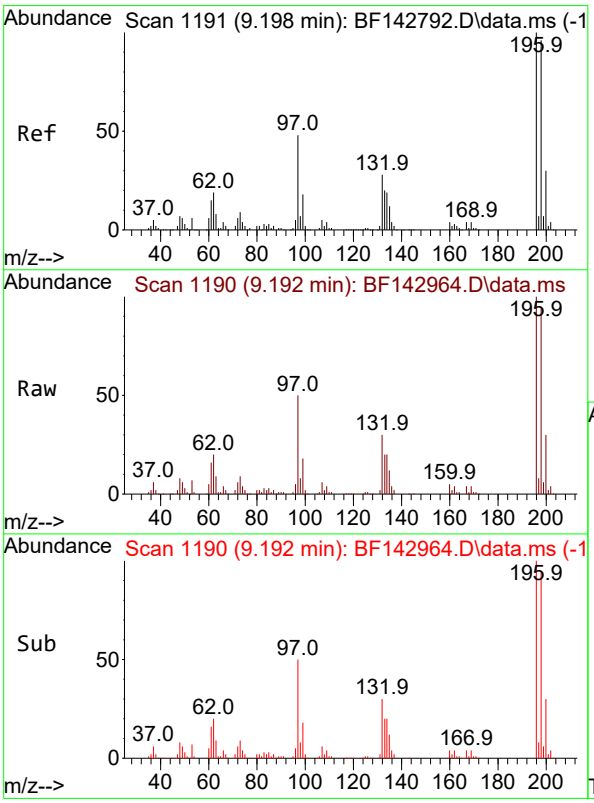
#43
2,4,6-Trichlorophenol
Concen: 38.549 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 86463

Ion	Ratio	Lower	Upper
196	100		
198	97.3	76.2	114.2
200	30.5	24.1	36.1

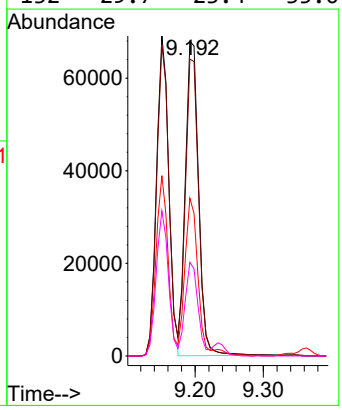


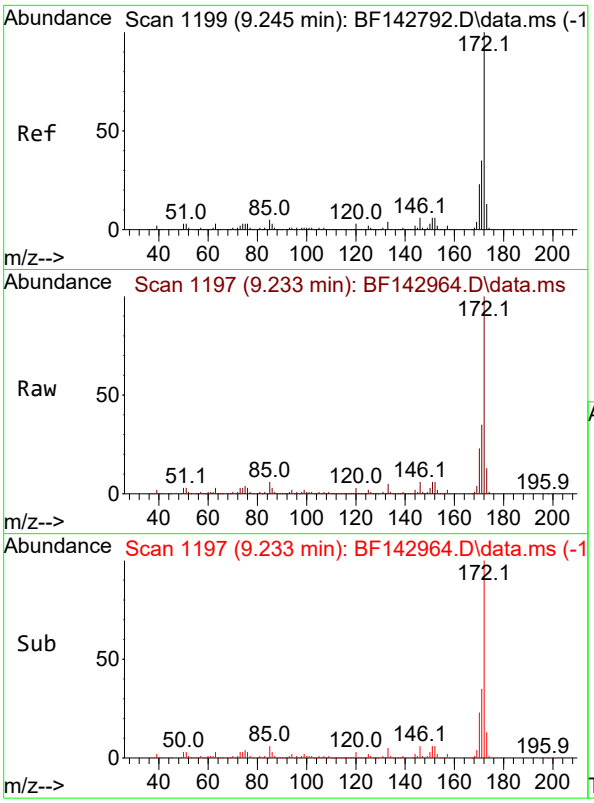


#44
2,4,5-Trichlorophenol
Concen: 38.640 ng
RT: 9.192 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:196 Resp: 91232

Ion	Ratio	Lower	Upper
196	100		
198	94.3	76.6	115.0
97	50.1	38.2	57.2
132	29.7	23.4	35.0



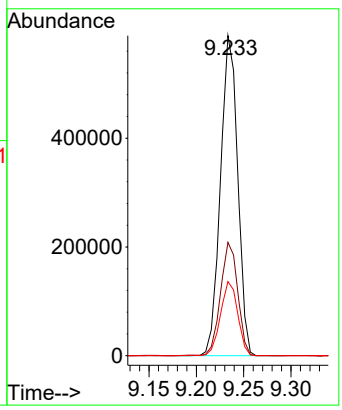


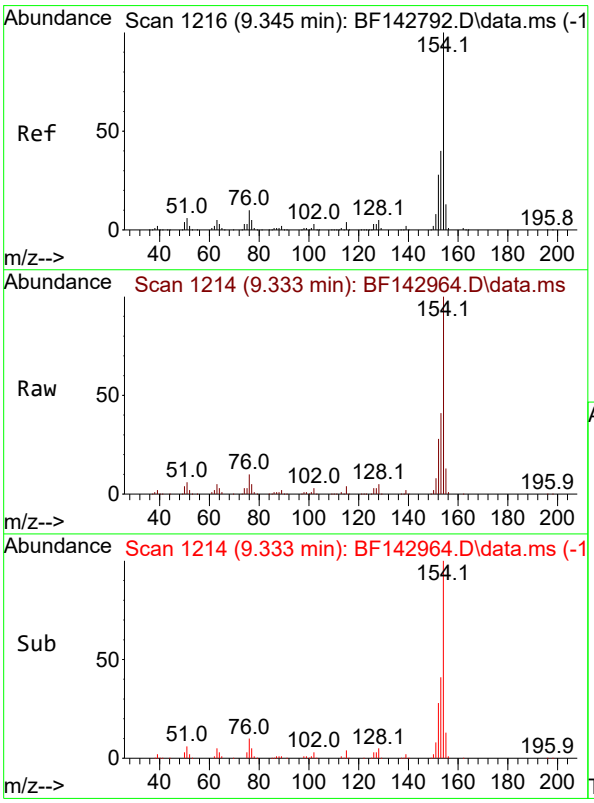
#45
2-Fluorobiphenyl
Concen: 83.974 ng
RT: 9.233 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 745681

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.4
170	23.1	18.5	27.7

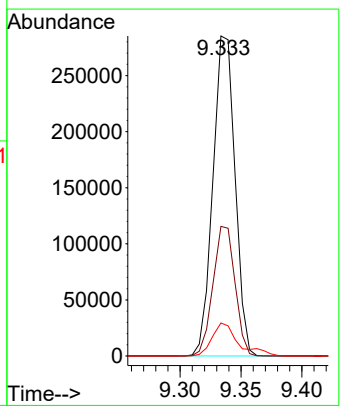


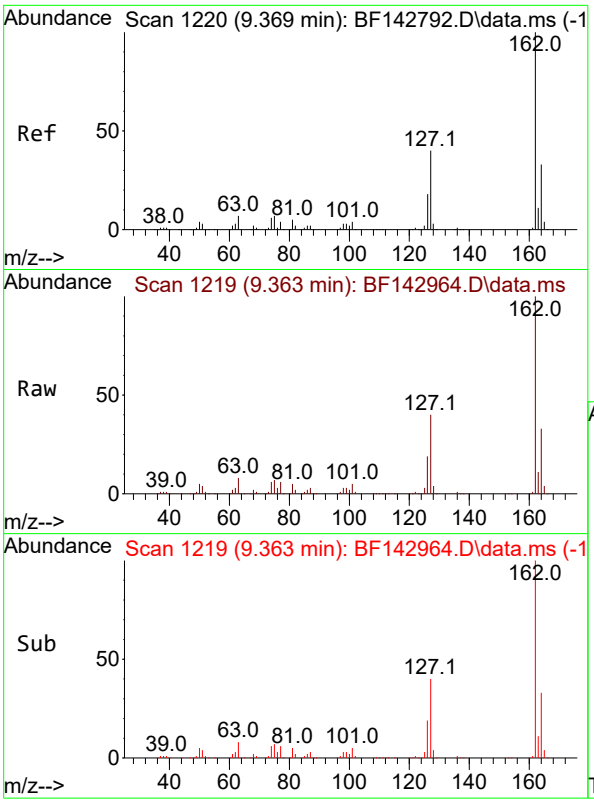


#46
1,1'-Biphenyl
Concen: 39.088 ng
RT: 9.333 min Scan# 1214
Delta R.T. -0.012 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:154 Resp: 360192

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.3	60.3
76	10.3	0.0	30.3



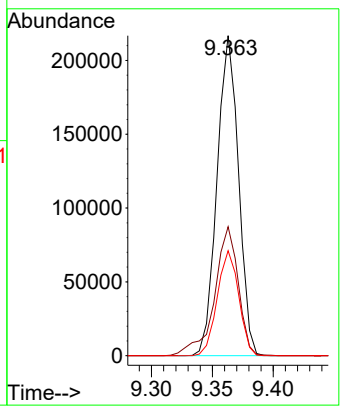


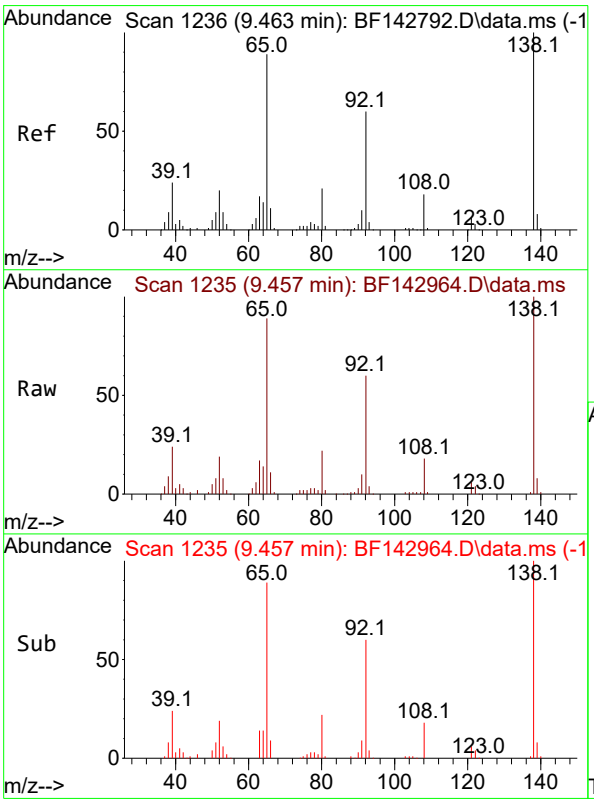
#47
2-Chloronaphthalene
Concen: 38.477 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 266073

Ion	Ratio	Lower	Upper
162	100		
127	40.3	32.2	48.2
164	32.8	26.1	39.1

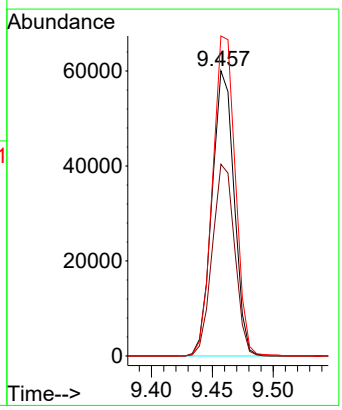


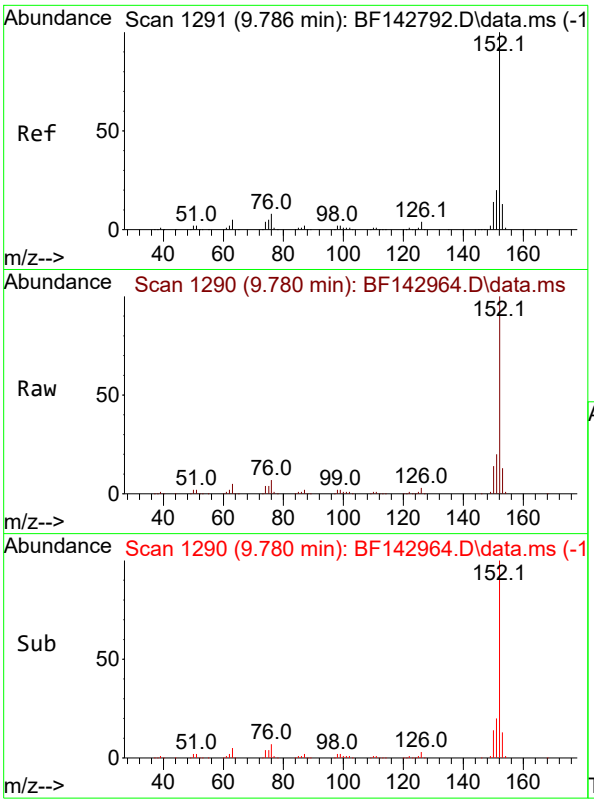


#48
2-Nitroaniline
Concen: 39.215 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion: 65 Resp: 76026

Ion	Ratio	Lower	Upper
65	100		
92	67.2	53.8	80.6
138	112.2	89.6	134.4



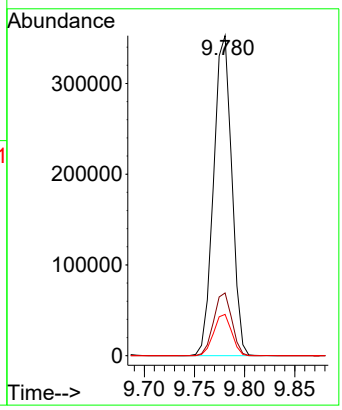


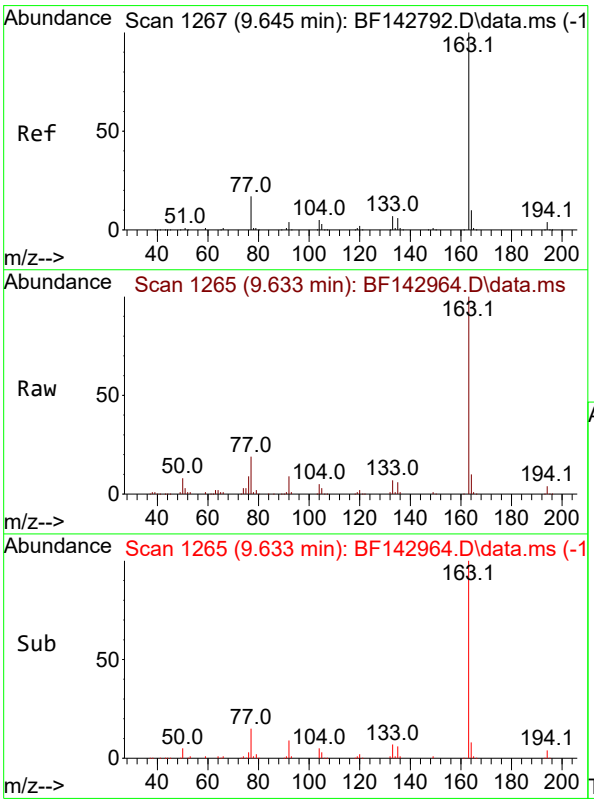
#49
Acenaphthylene
Concen: 38.960 ng
RT: 9.780 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 443514

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.1	24.1
153	12.9	10.4	15.6

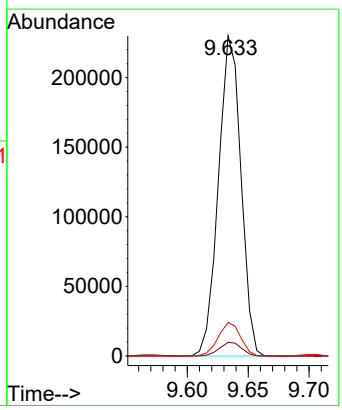


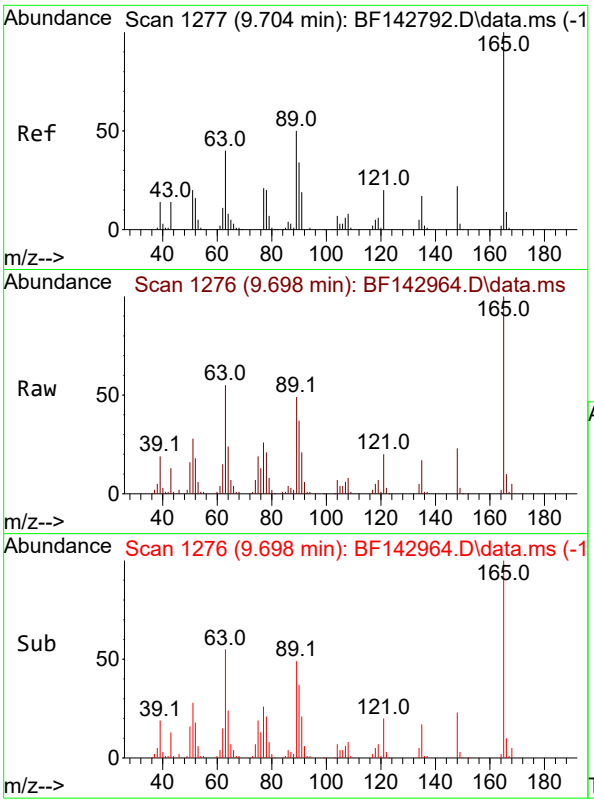


#50
Dimethylphthalate
Concen: 39.199 ng
RT: 9.633 min Scan# 1265
Delta R.T. -0.012 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:163 Resp: 295995

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.5	8.0	12.0



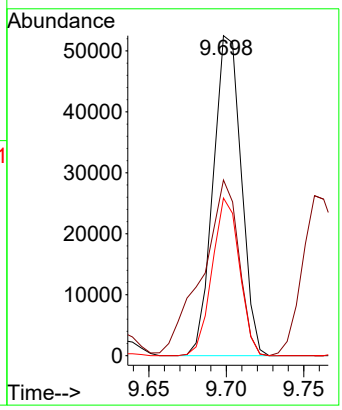


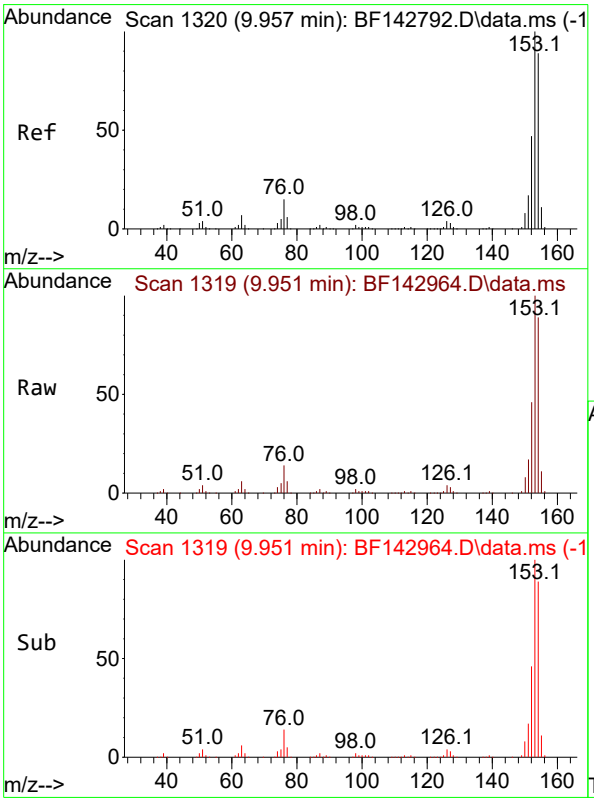
#51
2,6-Dinitrotoluene
Concen: 39.921 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 66200

Ion	Ratio	Lower	Upper
165	100		
63	54.9	44.2	66.4
89	49.2	39.8	59.8

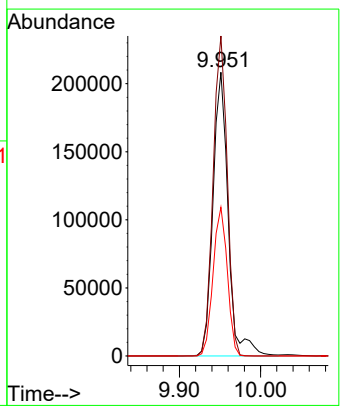


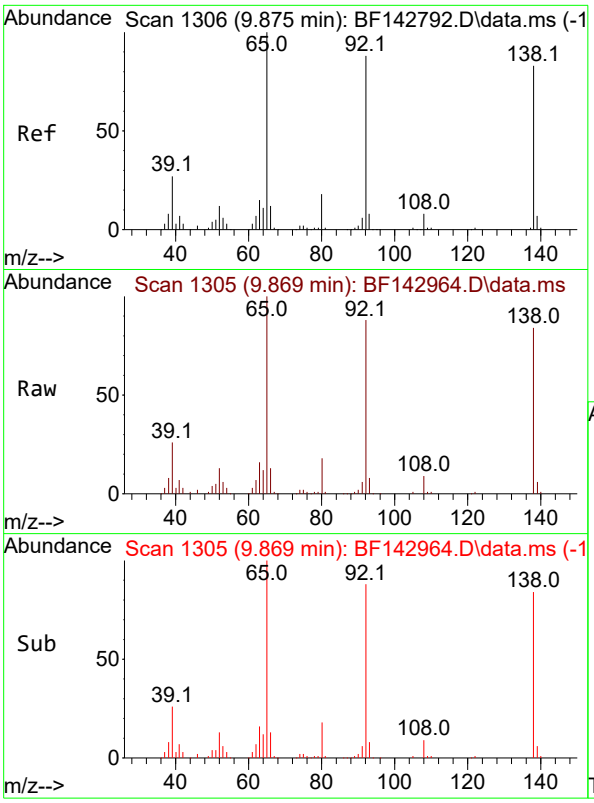


#52
Acenaphthene
Concen: 39.023 ng
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:154 Resp: 271033

Ion	Ratio	Lower	Upper
154	100		
153	112.8	90.0	135.0
152	52.4	41.9	62.9



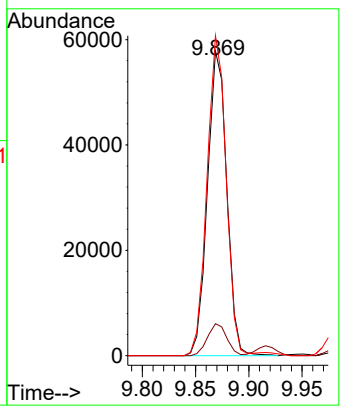


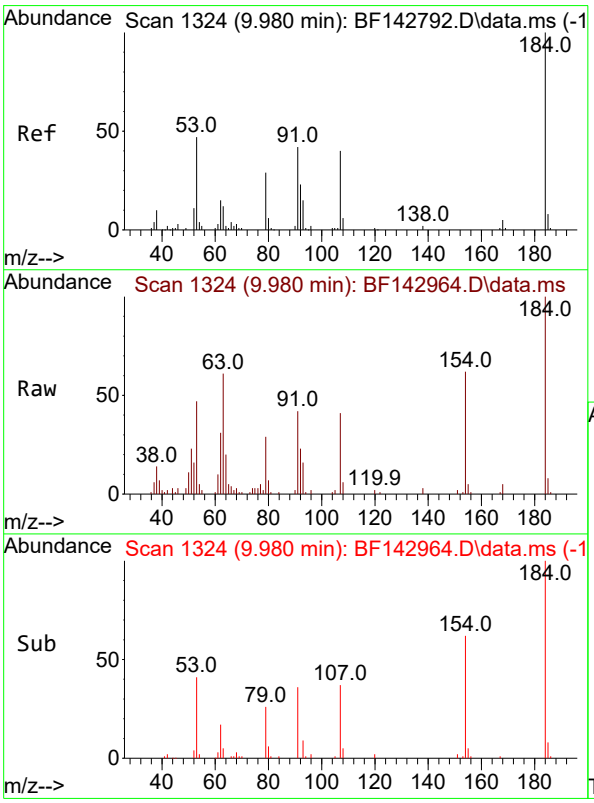
#53
3-Nitroaniline
Concen: 40.037 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 73098

Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.1	12.1
92	105.0	85.1	127.7

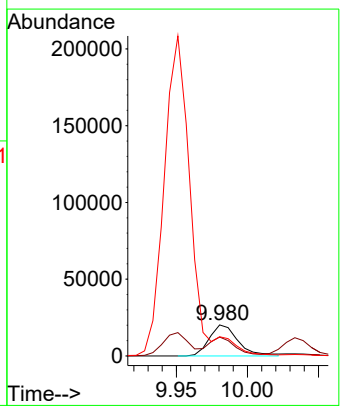


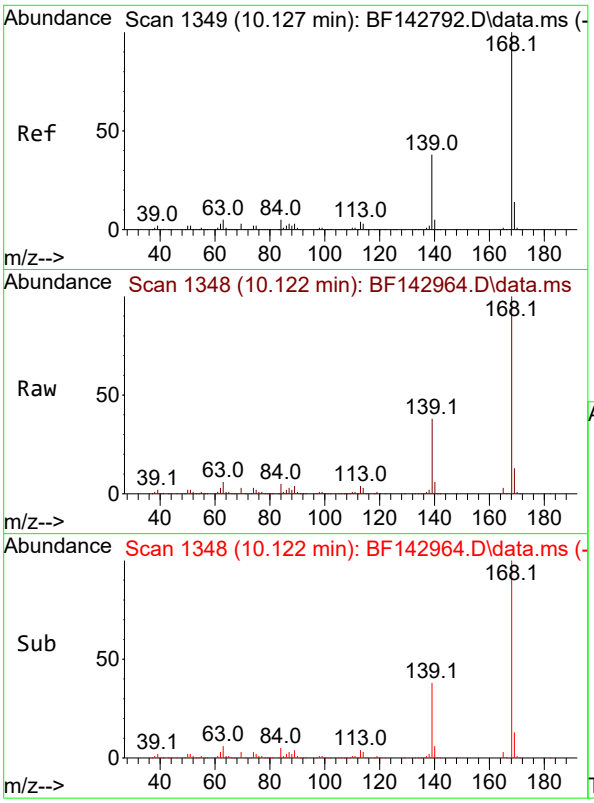


#54
2,4-Dinitrophenol
Concen: 34.414 ng
RT: 9.980 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:184 Resp: 28575

Ion	Ratio	Lower	Upper
184	100		
63	60.7	50.6	75.8
154	62.1	51.8	77.8



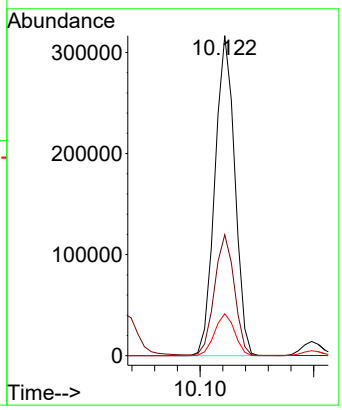


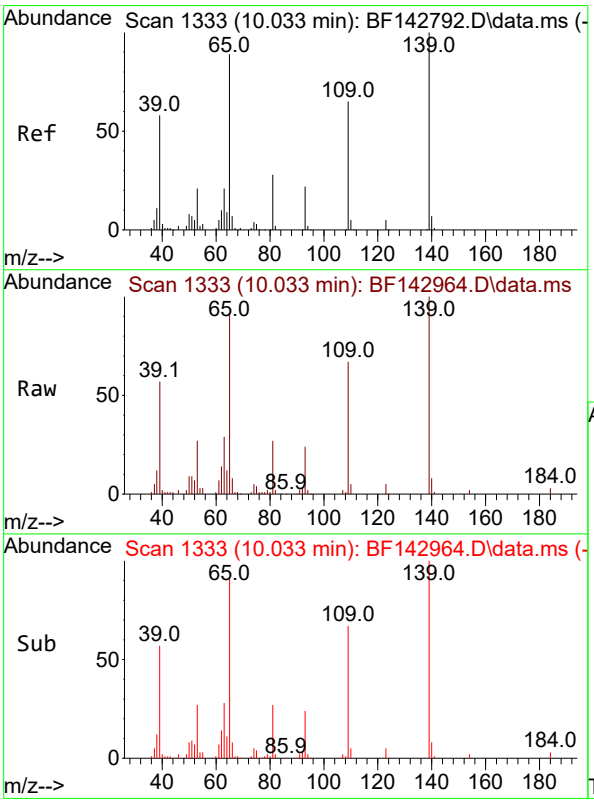
#55
Dibenzofuran
Concen: 38.685 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 385288

Ion	Ratio	Lower	Upper
168	100		
139	37.8	30.2	45.4
169	13.1	10.8	16.2

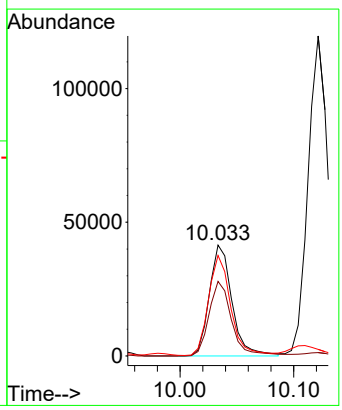


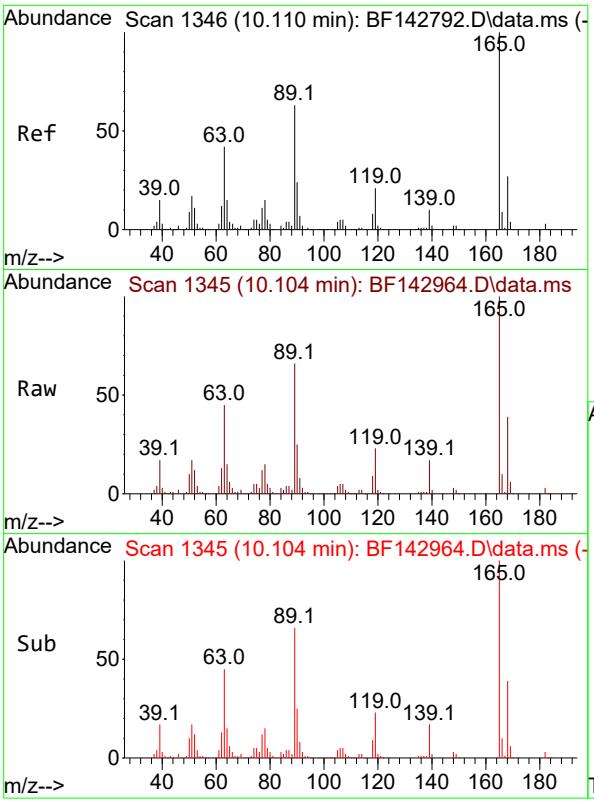


#56
4-Nitrophenol
Concen: 45.854 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:139 Resp: 57314

Ion	Ratio	Lower	Upper
139	100		
109	67.3	44.7	84.7
65	90.6	69.8	109.8



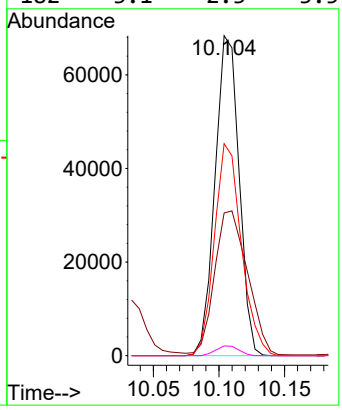


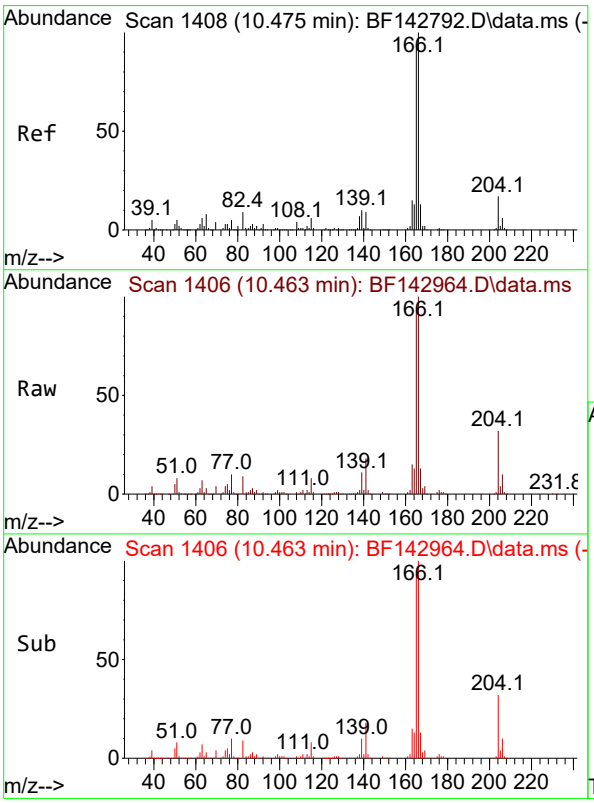
#57
2,4-Dinitrotoluene
Concen: 39.544 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 87102

Ion	Ratio	Lower	Upper
165	100		
63	44.6	33.9	50.9
89	66.3	50.6	75.8
182	3.1	2.3	3.5

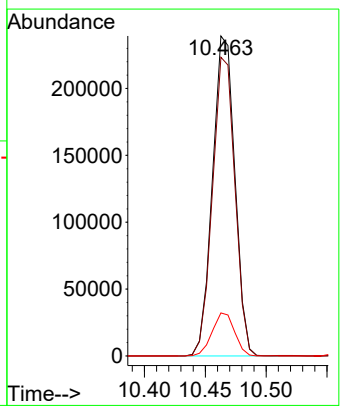


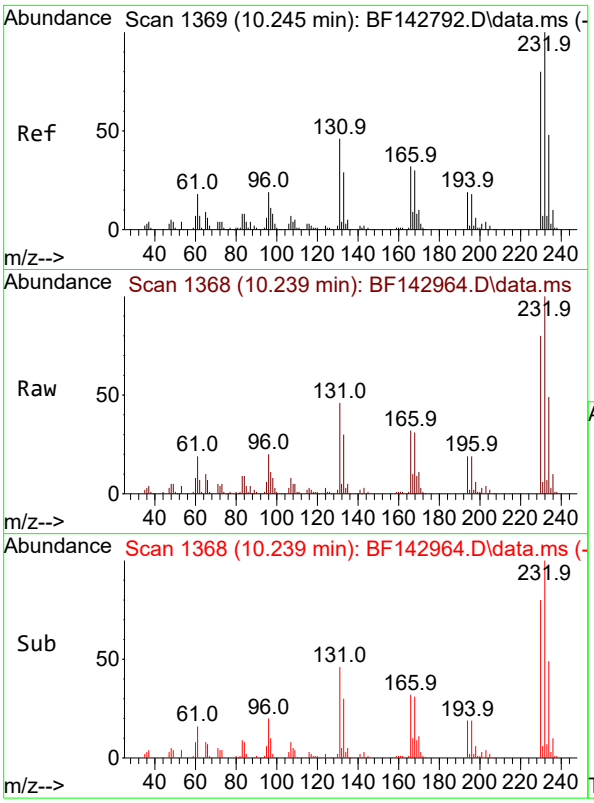


#58
Fluorene
Concen: 39.391 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:166 Resp: 306402

Ion	Ratio	Lower	Upper
166	100		
165	93.3	75.2	112.8
167	13.5	10.6	15.8



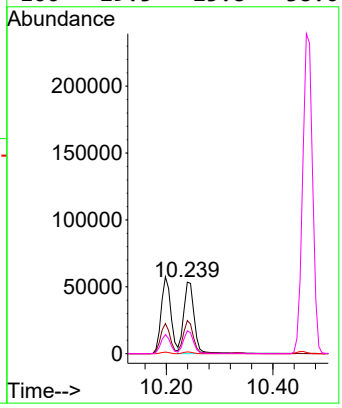


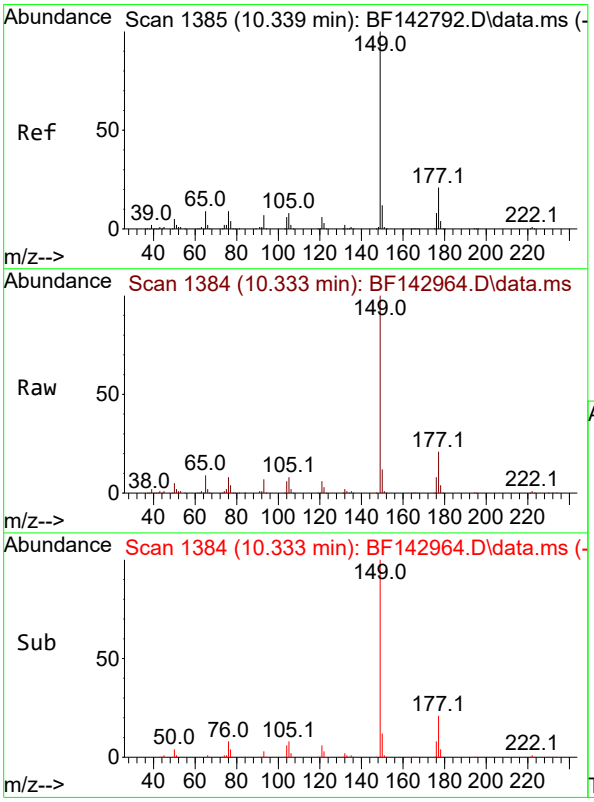
#59
2,3,4,6-Tetrachlorophenol
Concen: 38.594 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 73451

Ion	Ratio	Lower	Upper
232	100		
131	42.9	37.6	56.4
130	2.2	1.7	2.5
166	29.5	25.8	38.6

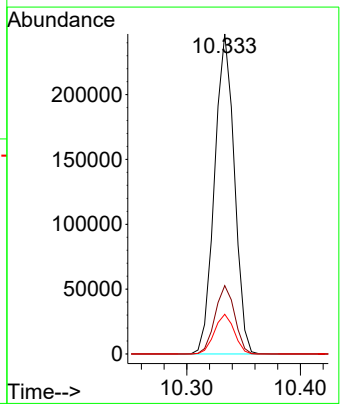


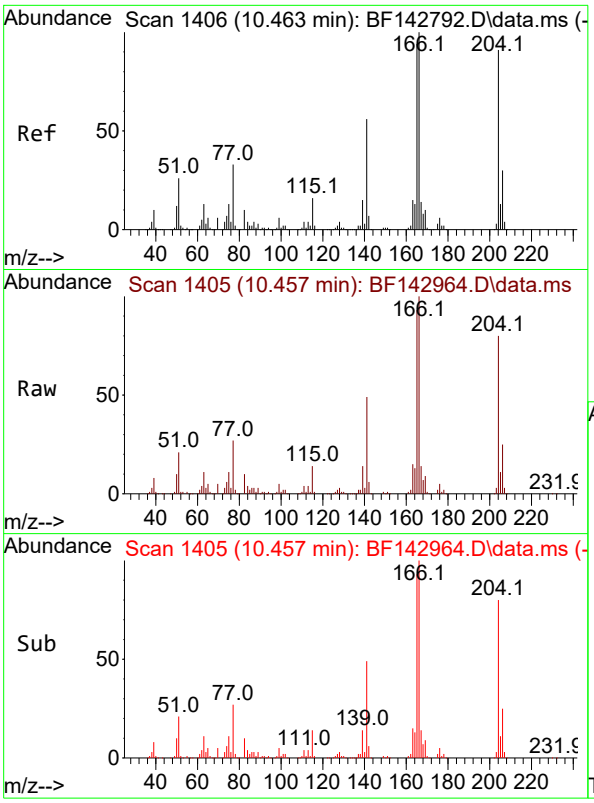


#60
Diethylphthalate
Concen: 40.377 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:149 Resp: 298938

Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.0	25.6
150	12.4	9.8	14.6



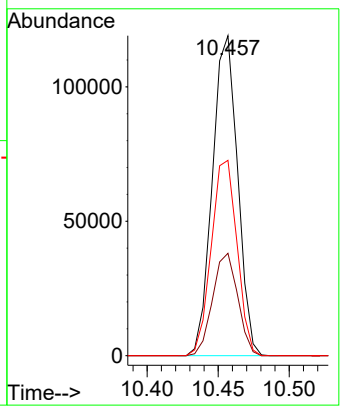


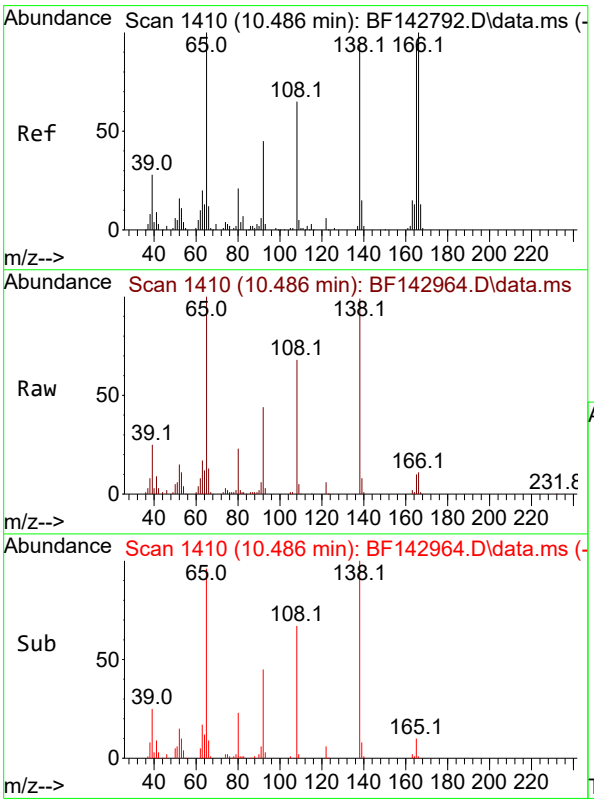
#61
4-Chlorophenyl-phenylether
Concen: 39.675 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 147263

Ion	Ratio	Lower	Upper
204	100		
206	32.0	26.3	39.5
141	61.0	49.1	73.7

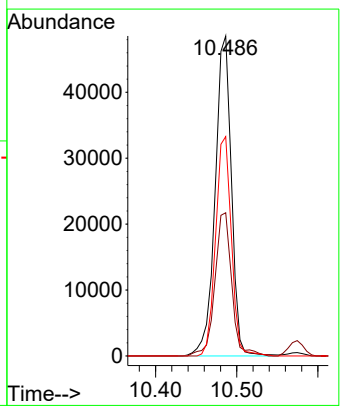


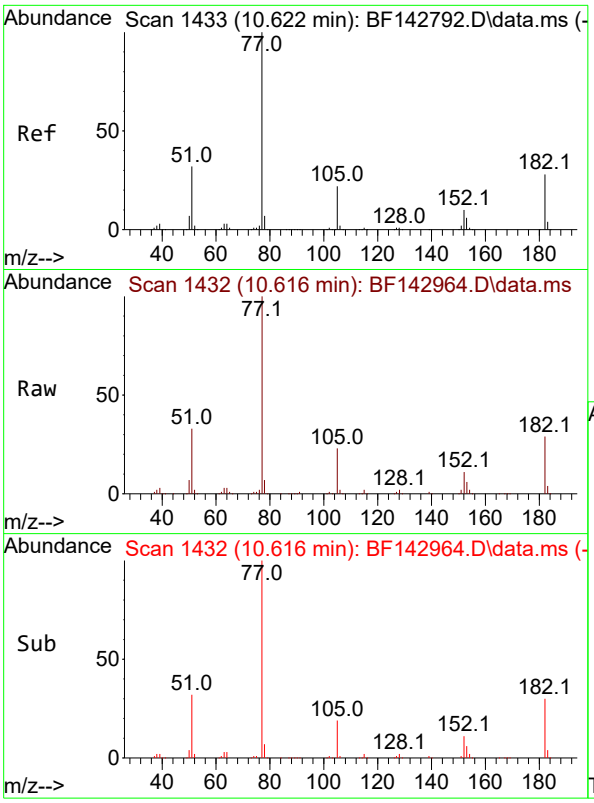


#62
4-Nitroaniline
Concen: 40.627 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:138 Resp: 67838

Ion	Ratio	Lower	Upper
138	100		
92	44.7	28.4	68.4
108	68.5	50.2	90.2



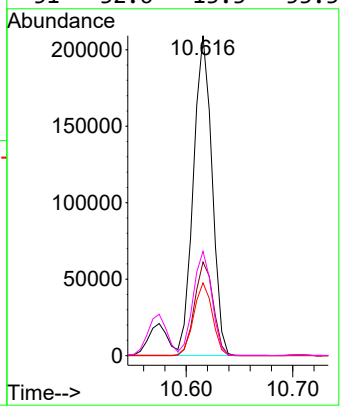


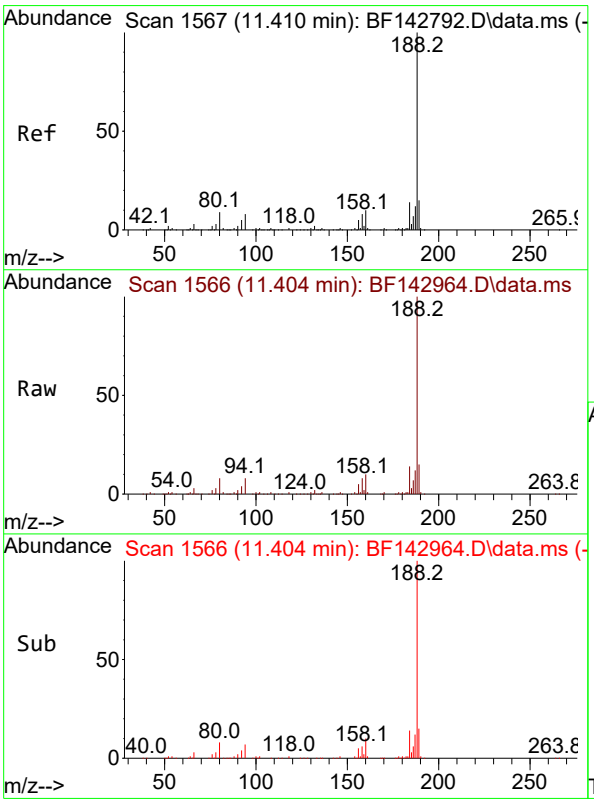
#63
Azobenzene
Concen: 38.318 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 253554

Ion	Ratio	Lower	Upper
77	100		
182	29.3	7.7	47.7
105	22.7	1.9	41.9
51	32.6	13.3	53.3

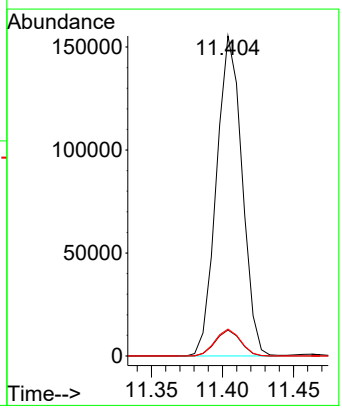


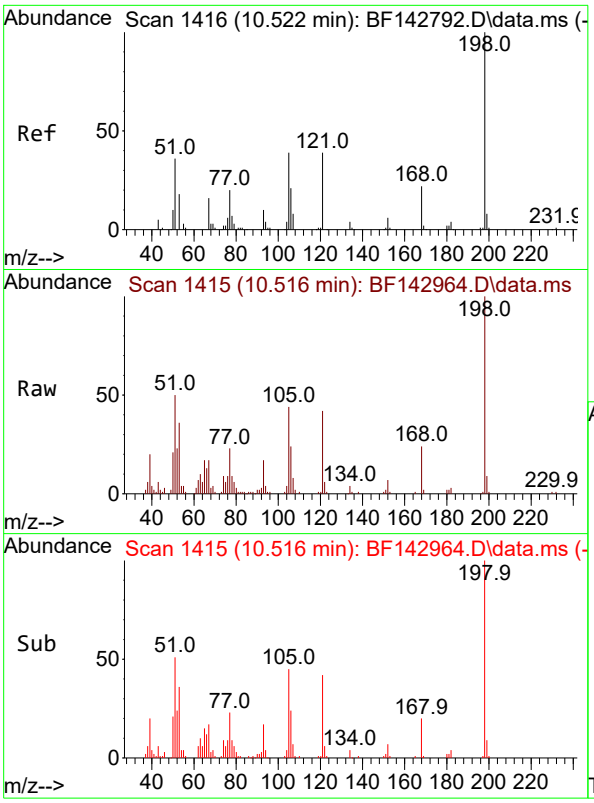


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:188 Resp: 194796

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.7	10.1
80	8.4	6.9	10.3



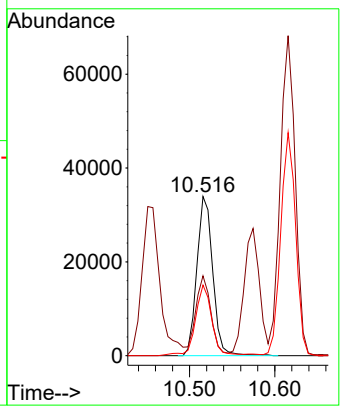


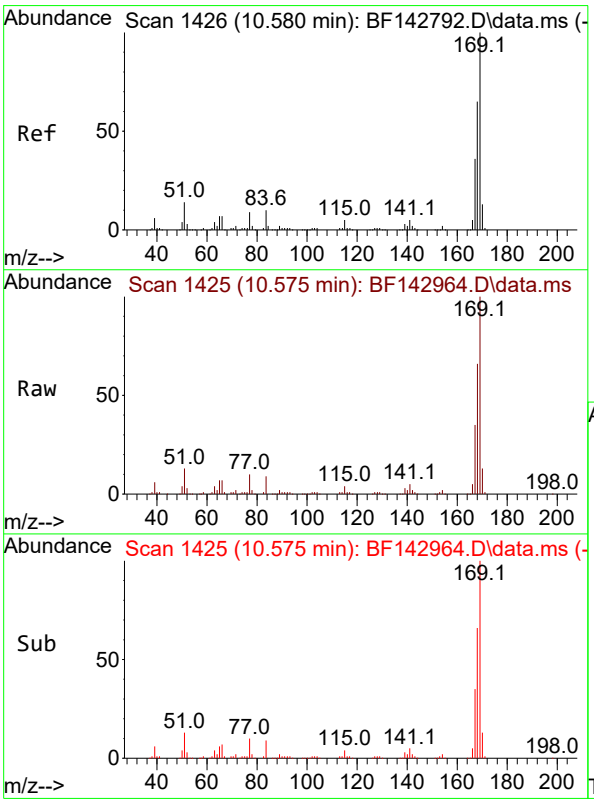
#65
4,6-Dinitro-2-methylphenol
Concen: 37.330 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 43984

Ion	Ratio	Lower	Upper
198	100		
51	50.2	25.4	65.4
105	44.3	20.4	60.4

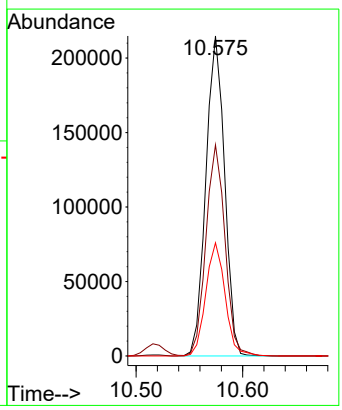


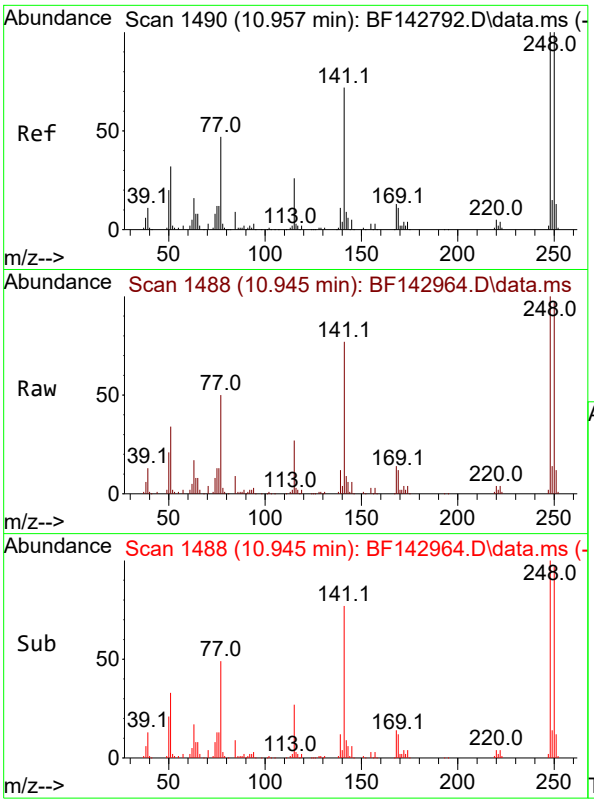


#66
n-Nitrosodiphenylamine
Concen: 38.842 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:169 Resp: 262226

Ion	Ratio	Lower	Upper
169	100		
168	66.0	51.9	77.9
167	35.4	28.5	42.7



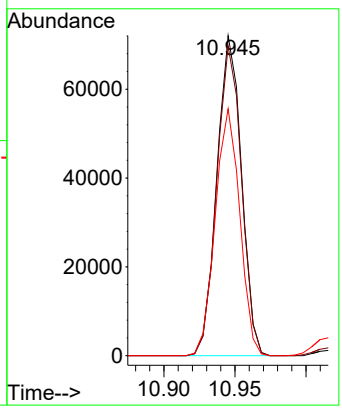


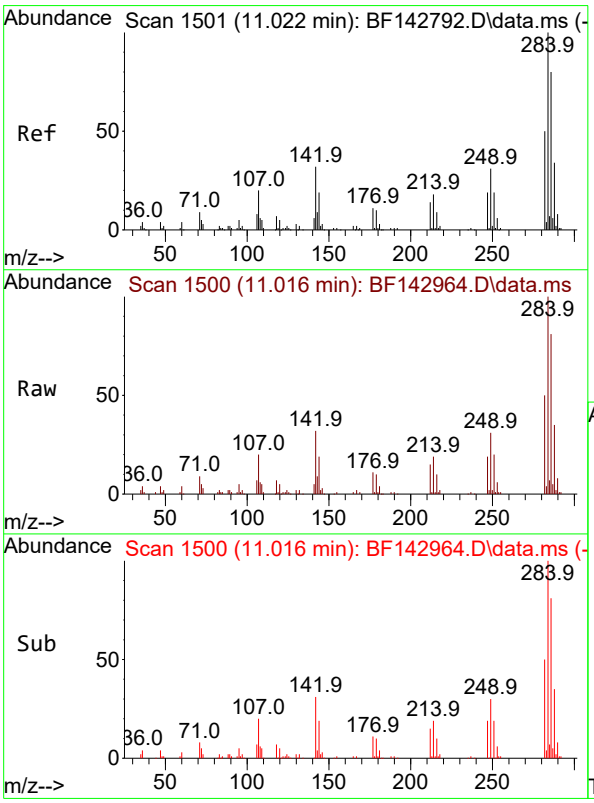
#67
4-Bromophenyl-phenylether
Concen: 39.212 ng
RT: 10.945 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 86932

Ion	Ratio	Lower	Upper
248	100		
250	96.8	79.8	119.8
141	77.2	57.8	86.6

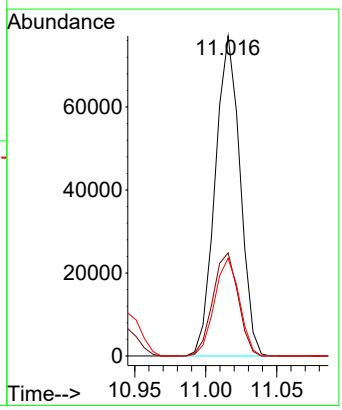


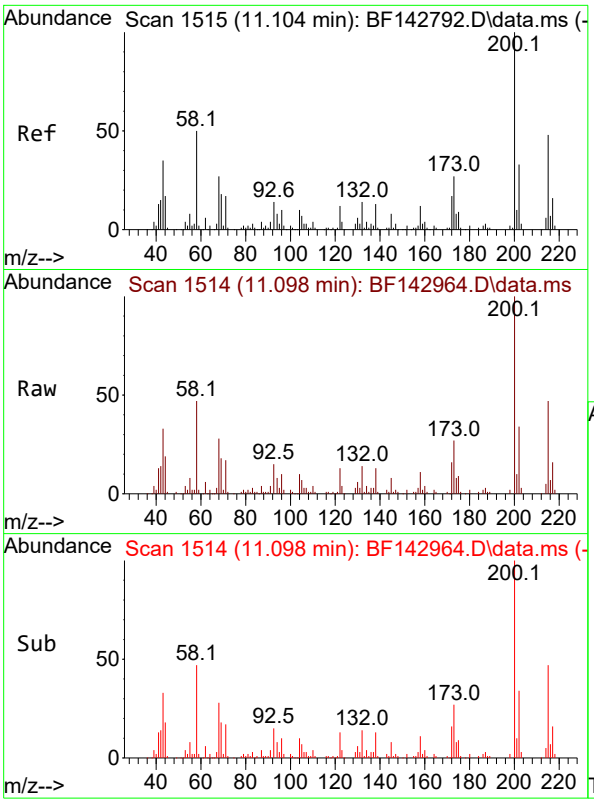


#68
Hexachlorobenzene
Concen: 38.023 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:284 Resp: 93666

Ion	Ratio	Lower	Upper
284	100		
142	32.2	25.5	38.3
249	30.6	24.9	37.3



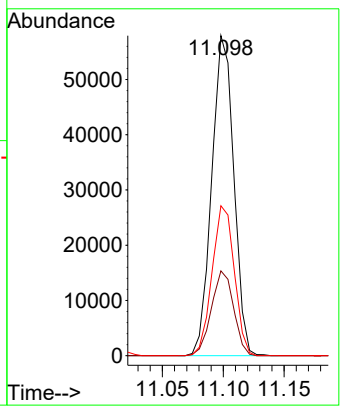


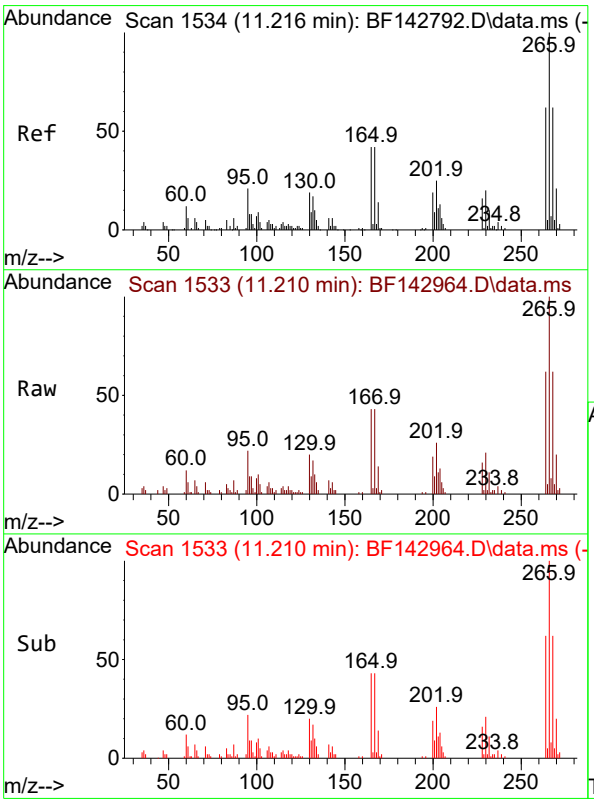
#69
Atrazine
Concen: 41.917 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 73076

Ion	Ratio	Lower	Upper
200	100		
173	26.5	7.4	47.4
215	46.9	28.4	68.4

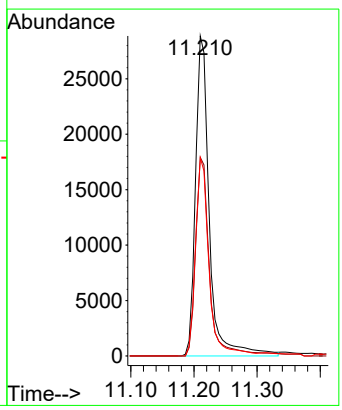


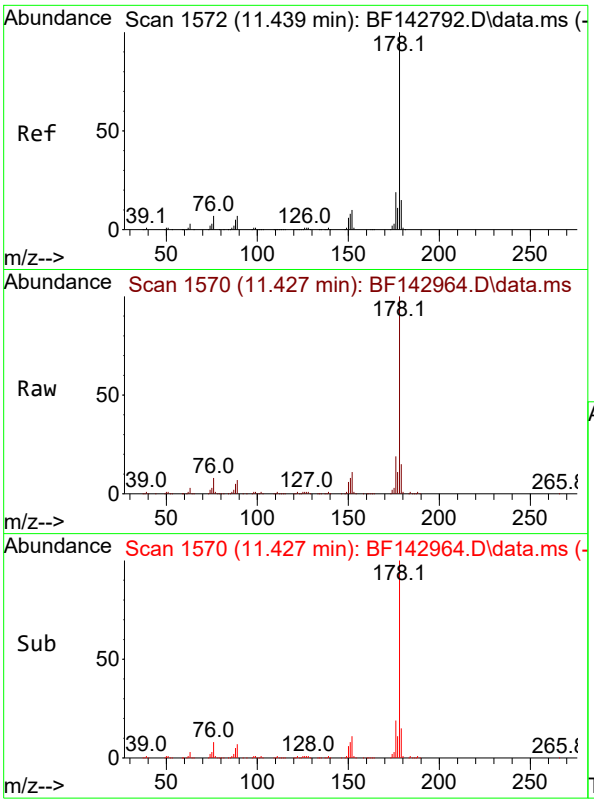


#70
Pentachlorophenol
Concen: 35.684 ng
RT: 11.210 min Scan# 1533
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:266 Resp: 43803

Ion	Ratio	Lower	Upper
266	100		
268	62.1	49.8	74.8
264	61.9	49.9	74.9



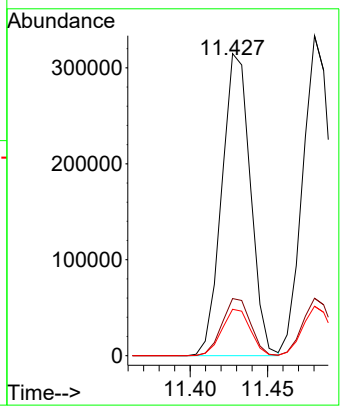


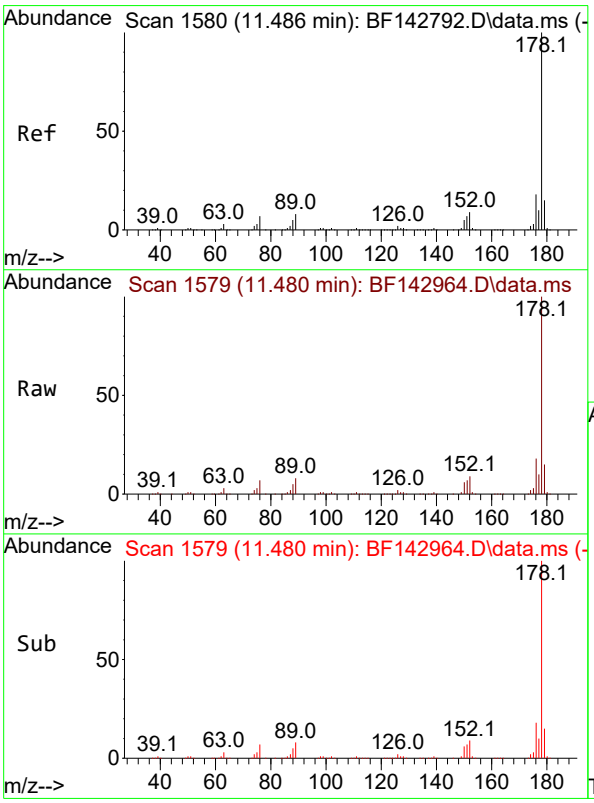
#71
Phenanthrene
Concen: 38.308 ng
RT: 11.427 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 404225

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.4	12.0	18.0

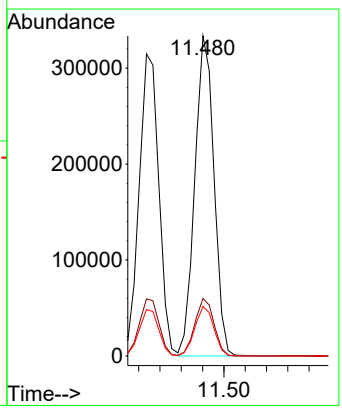


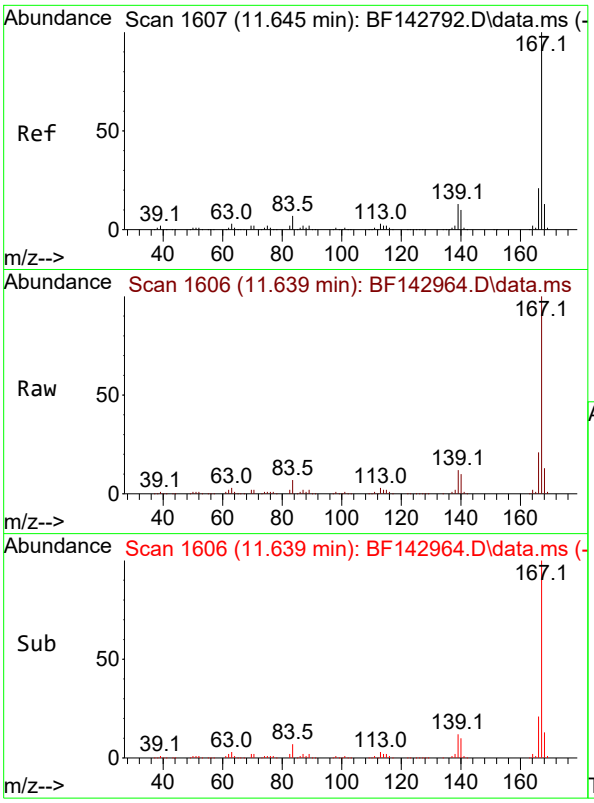


#72
Anthracene
Concen: 38.570 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:178 Resp: 417414

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	15.5	12.4	18.6



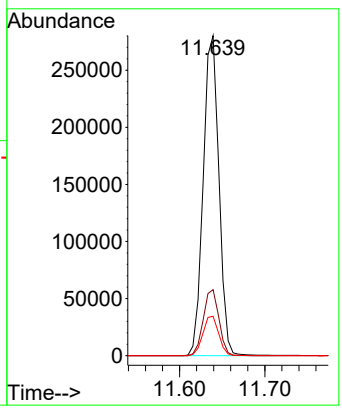


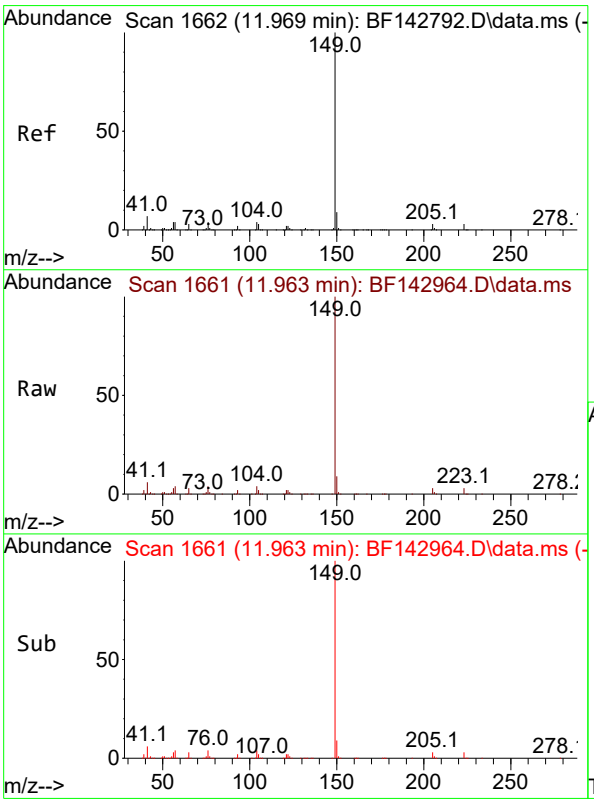
#73
Carbazole
Concen: 38.432 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 358920

Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.0	25.4
139	12.3	10.2	15.2

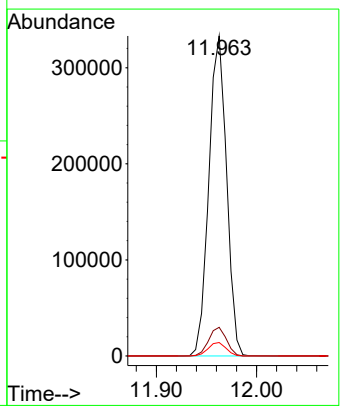


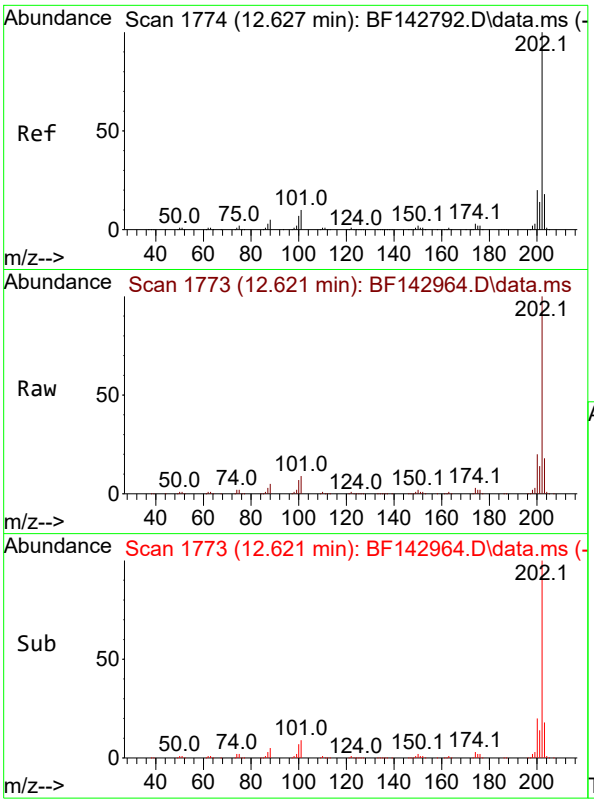


#74
Di-n-butylphthalate
Concen: 42.104 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:149 Resp: 409630

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	4.2	3.5	5.3



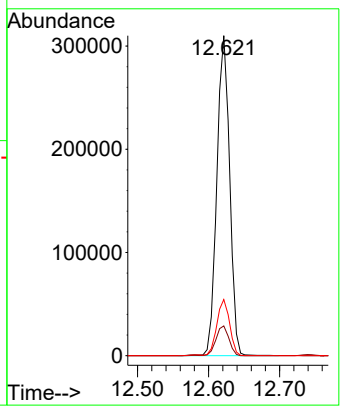


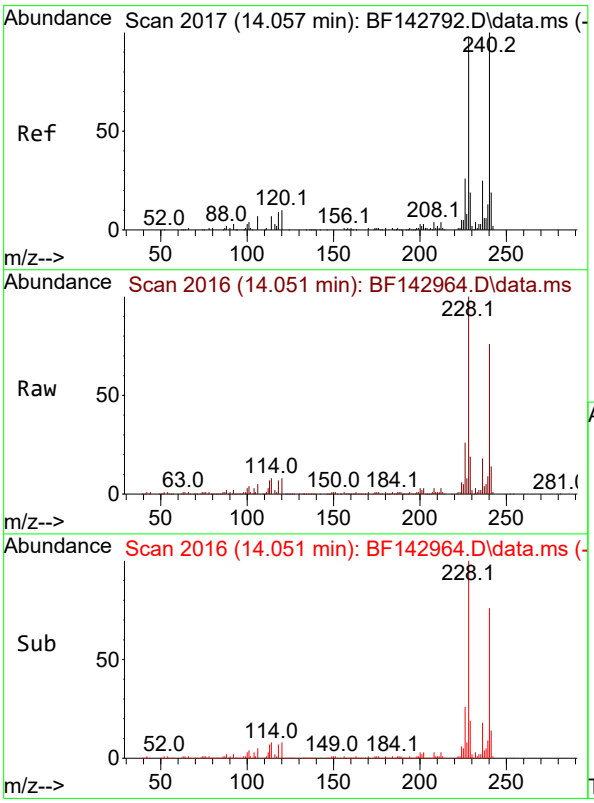
#75
Fluoranthene
Concen: 38.573 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 386289

Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	29.7
203	17.6	0.0	37.5

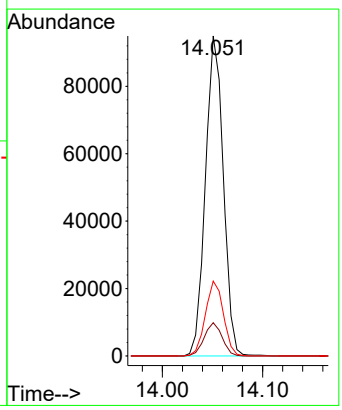


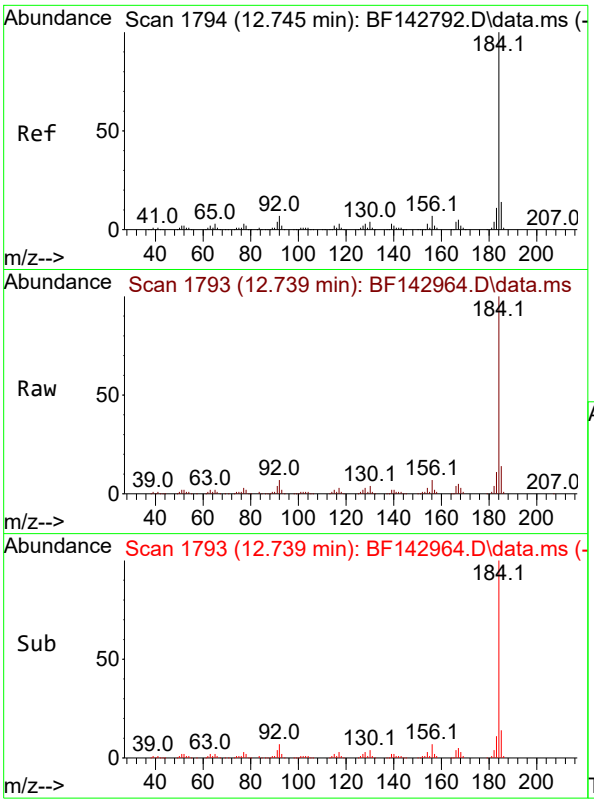


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:240 Resp: 118183

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.2	12.2
236	23.4	19.8	29.8



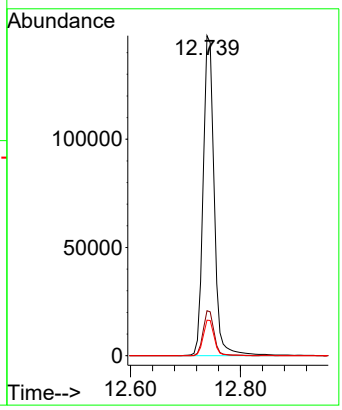


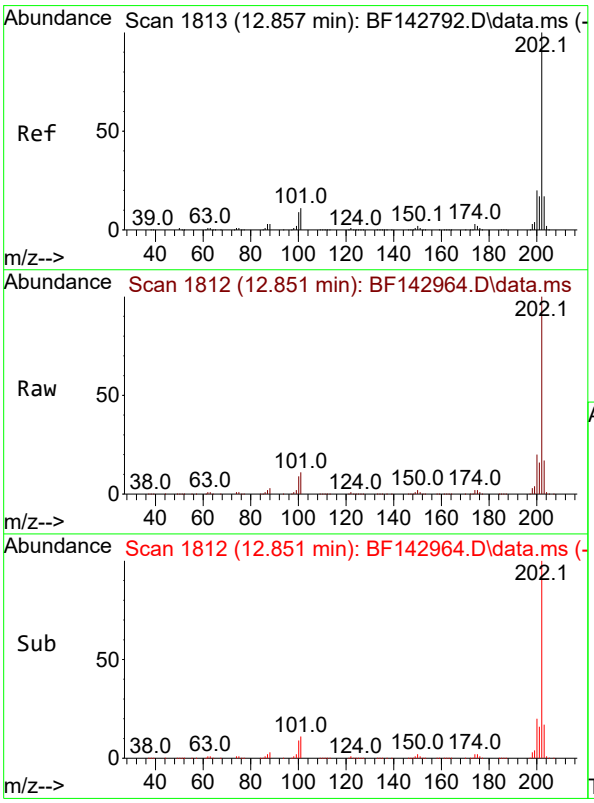
#77
Benzidine
Concen: 46.514 ng
RT: 12.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 206536

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.5	17.3
183	11.1	9.0	13.4

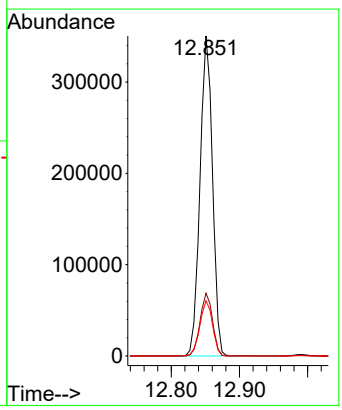


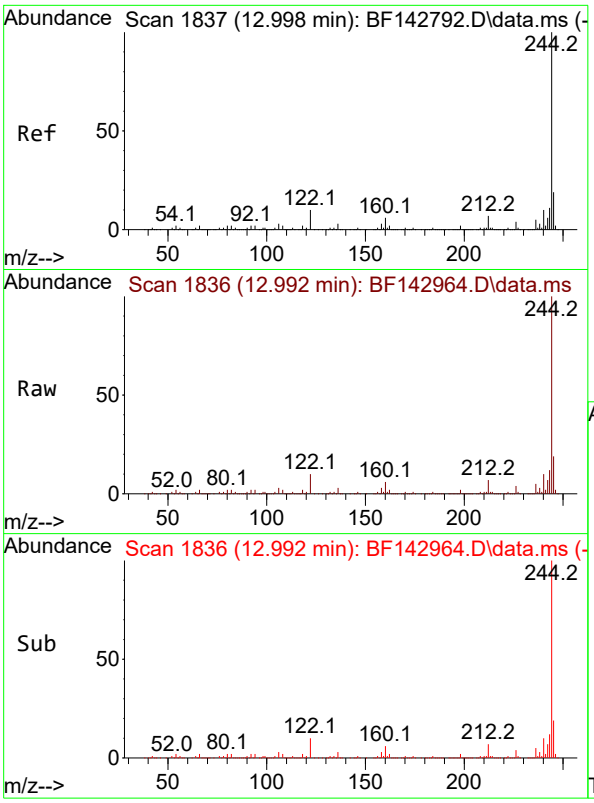


#78
Pyrene
Concen: 40.257 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:202 Resp: 445961

Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.7	23.5
203	17.3	13.8	20.6



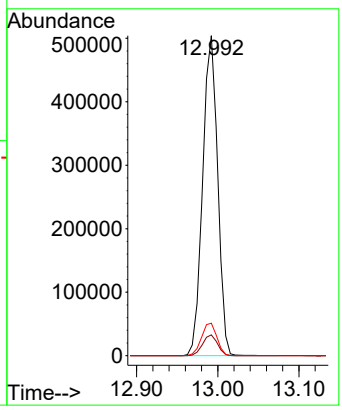


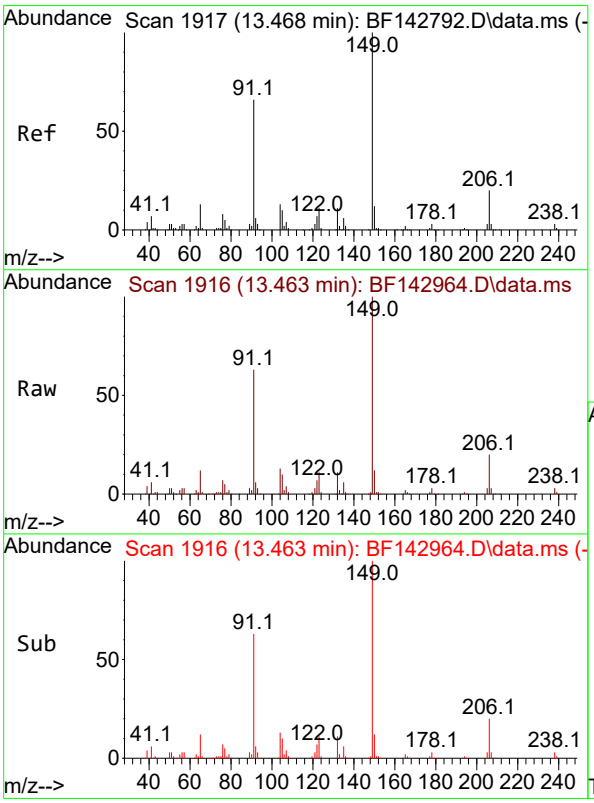
#79
Terphenyl-d14
Concen: 75.514 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 645901

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	10.2	8.2	12.2

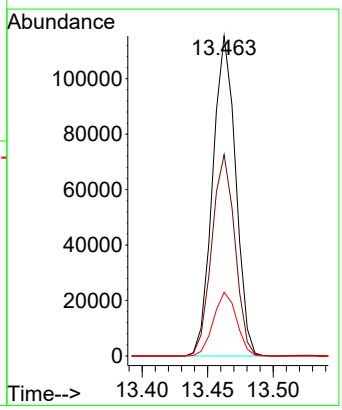


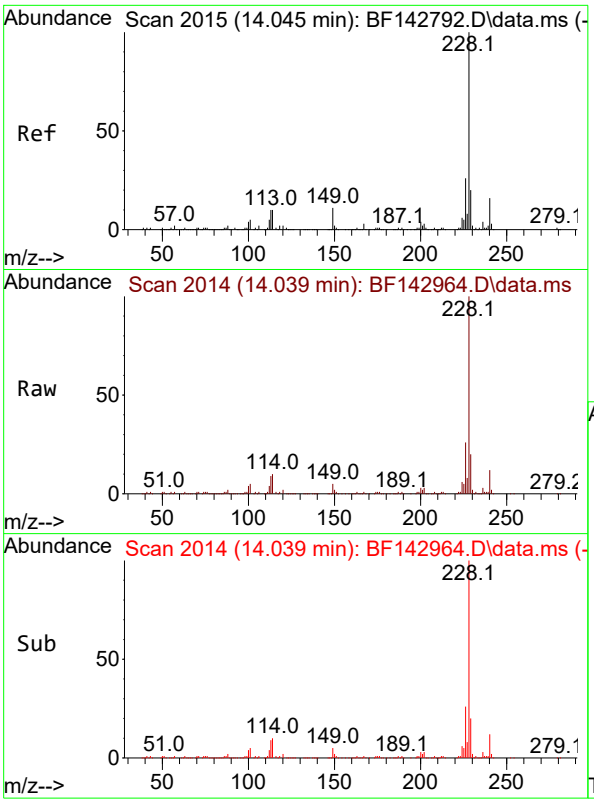


#80
Butylbenzylphthalate
Concen: 43.714 ng
RT: 13.463 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:149 Resp: 140470

Ion	Ratio	Lower	Upper
149	100		
91	62.9	52.9	79.3
206	19.9	16.3	24.5



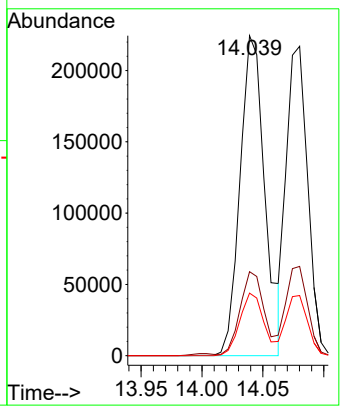


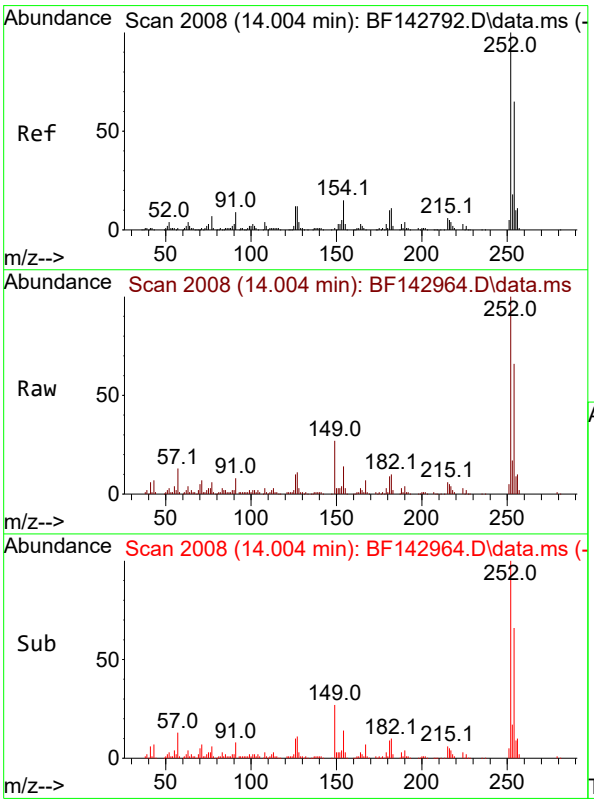
#81
Benzo(a)anthracene
Concen: 39.974 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 318700

Ion	Ratio	Lower	Upper
228	100		
226	26.2	21.2	31.8
229	19.5	15.6	23.4

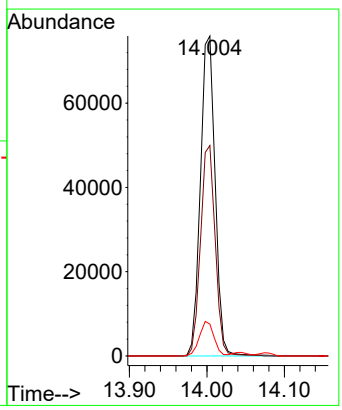


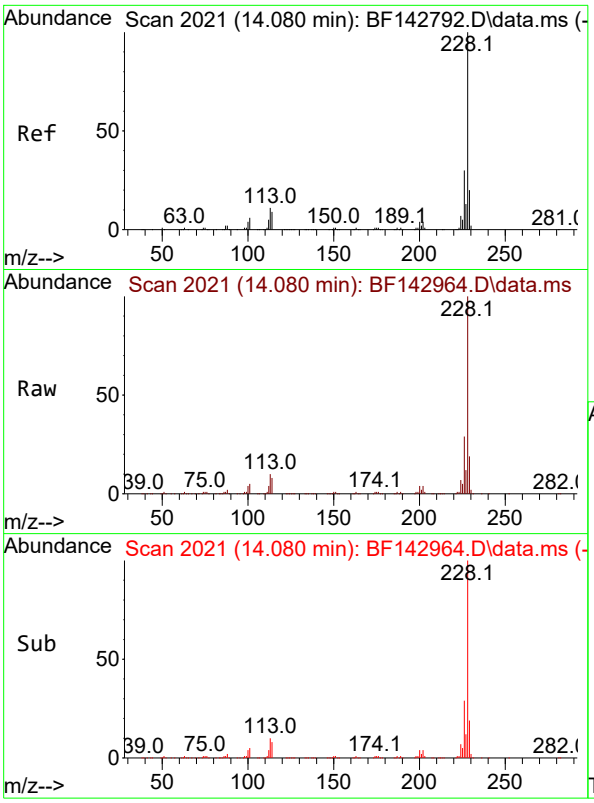


#82
3,3'-Dichlorobenzidine
Concen: 38.724 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:252 Resp: 100139

Ion	Ratio	Lower	Upper
252	100		
254	65.7	51.7	77.5
126	10.0	9.4	14.2



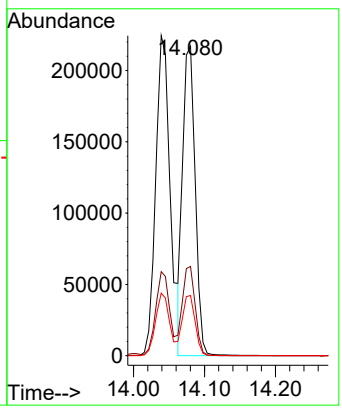


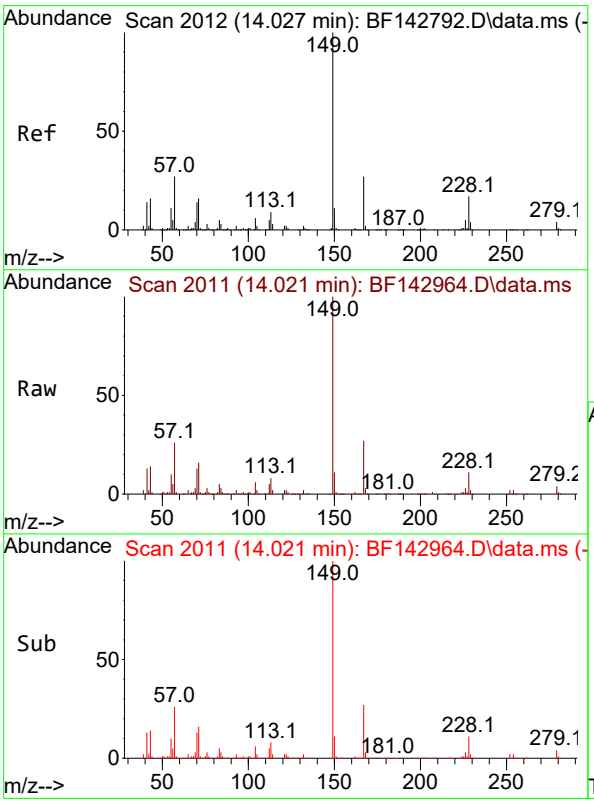
#83
Chrysene
Concen: 37.312 ng
RT: 14.080 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 265448

Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.7	35.5
229	19.5	15.7	23.5

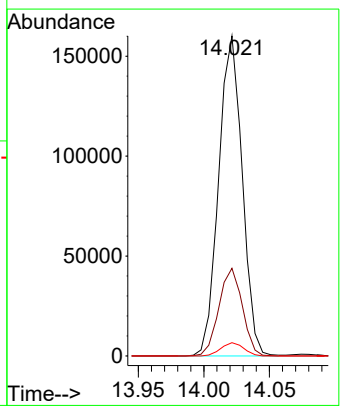


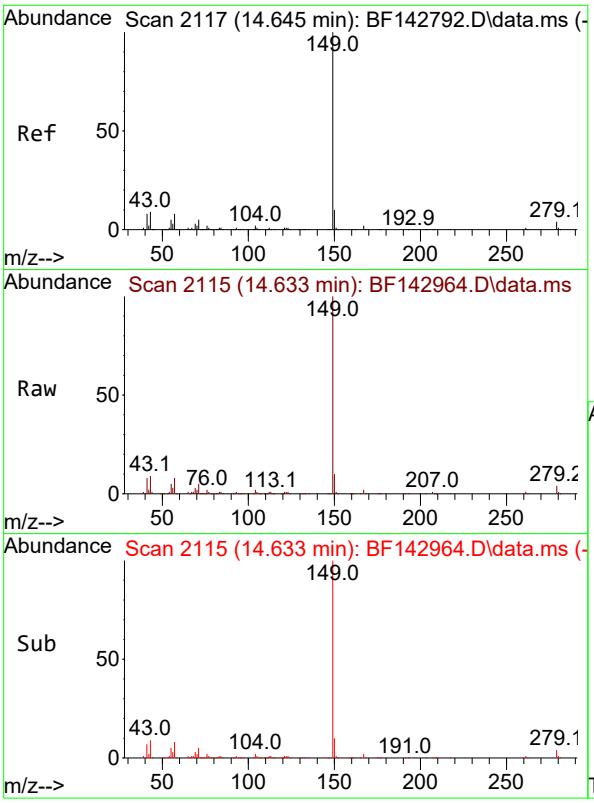


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.293 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:149 Resp: 200158

Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.4	32.0
279	4.2	3.0	4.6



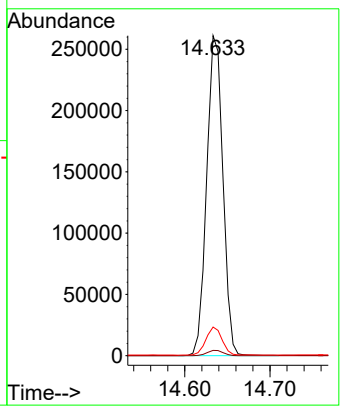


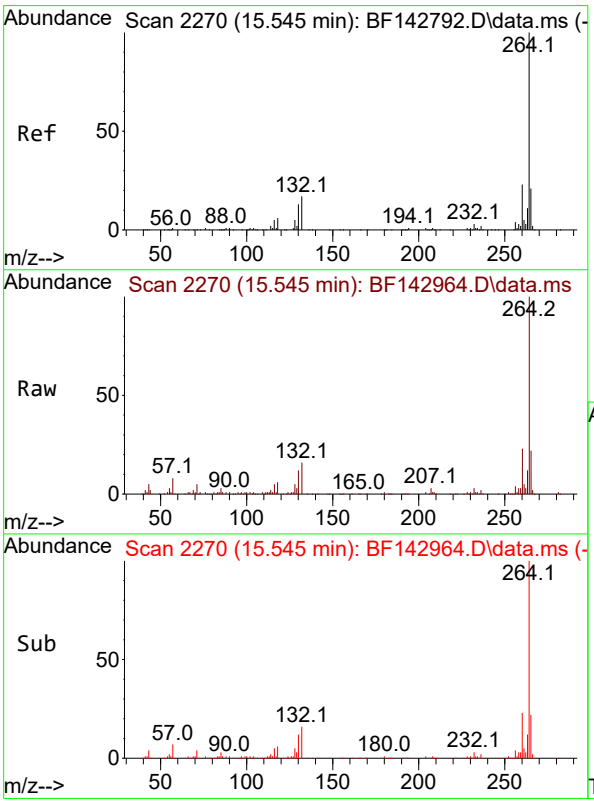
#85
Di-n-octyl phthalate
Concen: 39.616 ng
RT: 14.633 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 345369

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.7	7.6	11.4

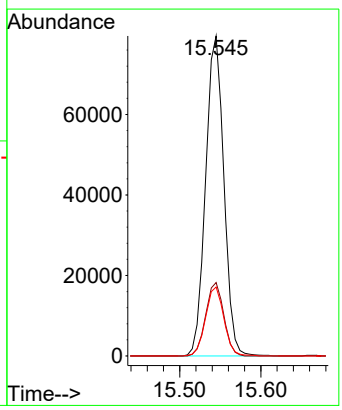


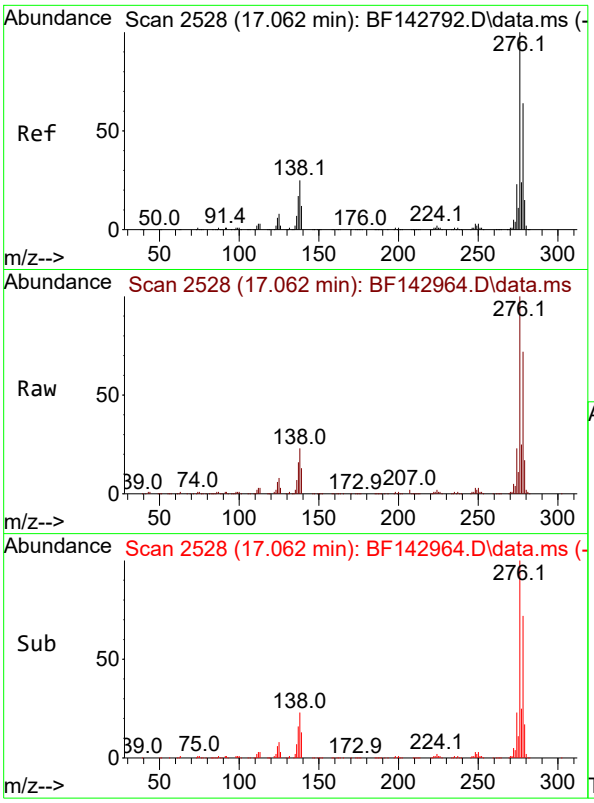


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:264 Resp: 123997

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.1	27.1
265	21.5	16.6	25.0



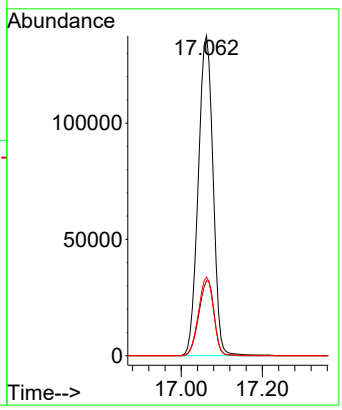


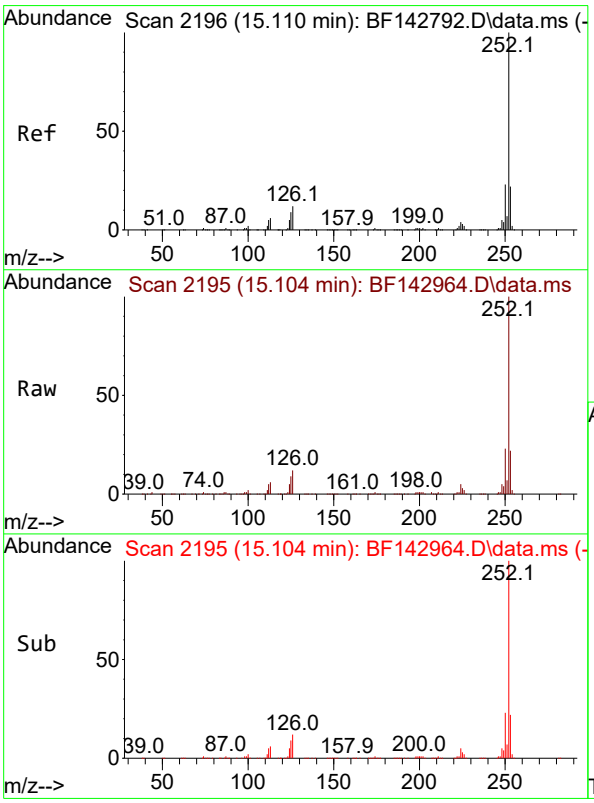
#87
Indeno(1,2,3-cd)pyrene
Concen: 36.965 ng
RT: 17.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 349123

Ion	Ratio	Lower	Upper
276	100		
138	24.0	20.2	30.4
277	25.0	19.8	29.6

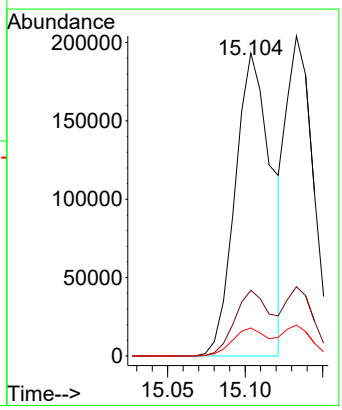


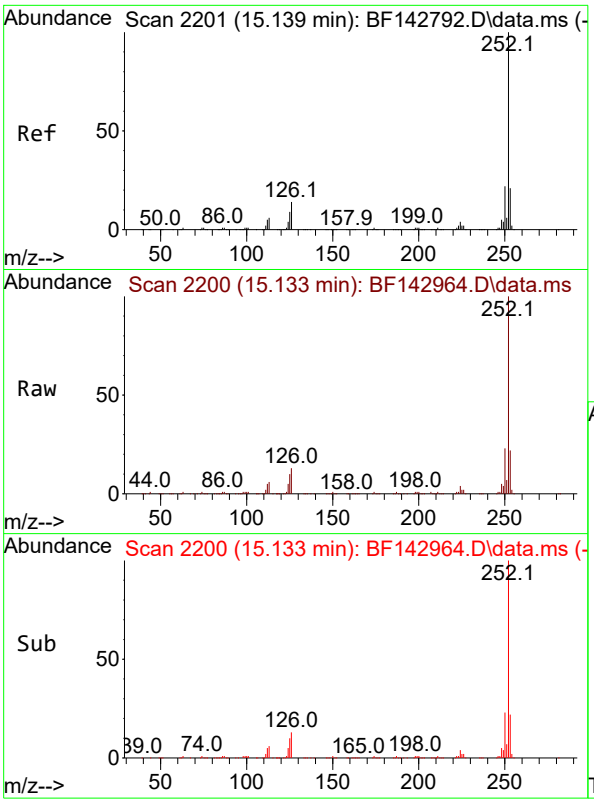


#88
Benzo(b)fluoranthene
Concen: 43.830 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:252 Resp: 314480

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	9.3	7.4	11.0



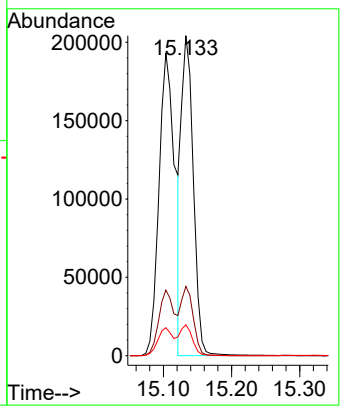


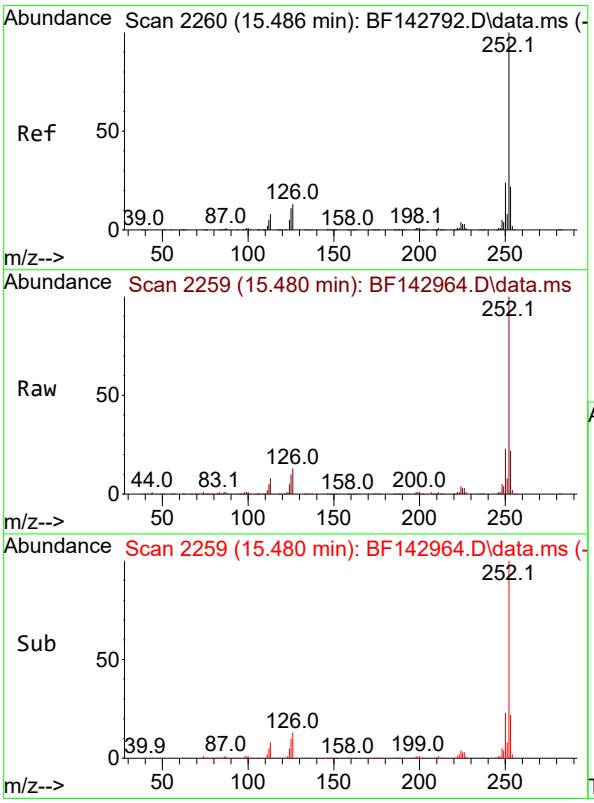
#89
Benzo(k)fluoranthene
Concen: 37.183 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 249604

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.2	25.8
125	9.6	7.4	11.2

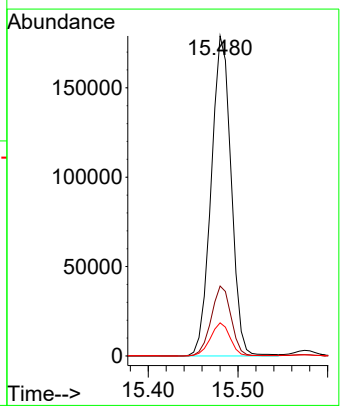


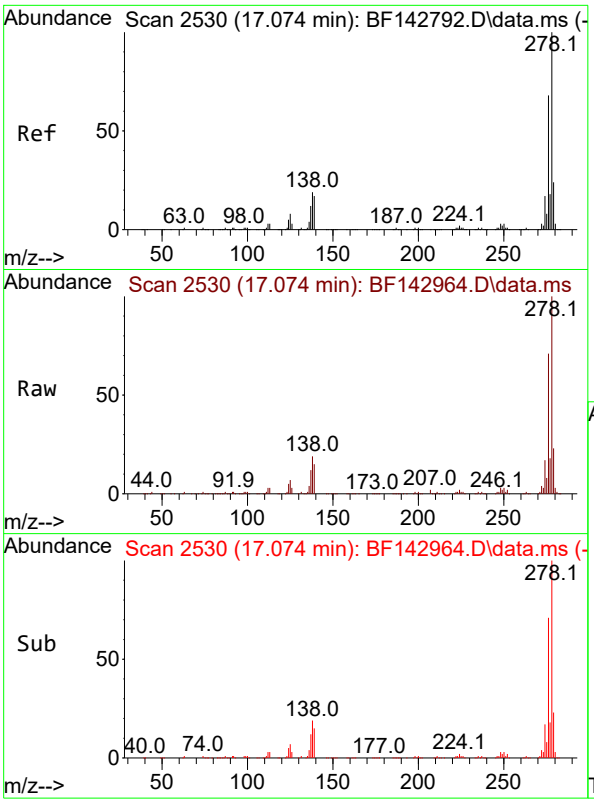


#90
Benzo(a)pyrene
Concen: 39.941 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:252 Resp: 276854

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.4	8.6	12.8



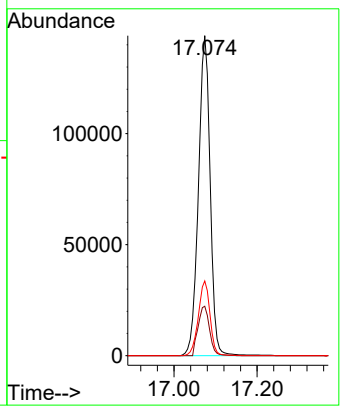


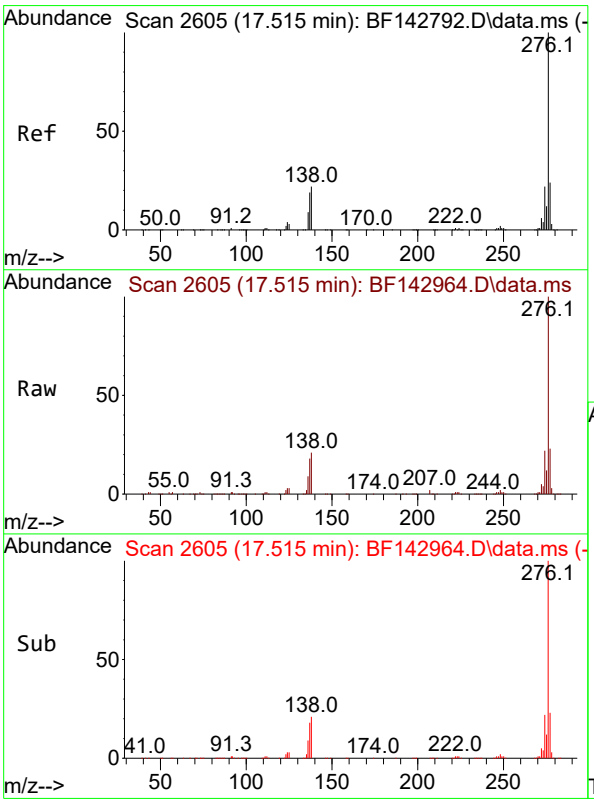
#91
Dibenzo(a,h)anthracene
Concen: 36.878 ng
RT: 17.074 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 283004

Ion	Ratio	Lower	Upper
278	100		
139	15.4	13.5	20.3
279	23.3	18.8	28.2

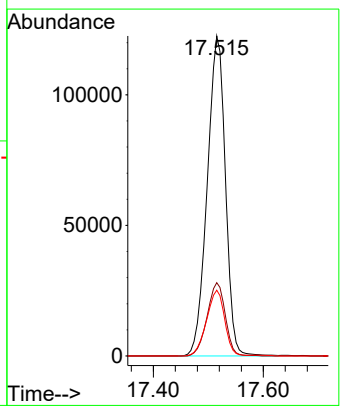




#92
Benzo(g,h,i)perylene
Concen: 36.836 ng
RT: 17.515 min Scan# 2605
Delta R.T. 0.000 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:276 Resp: 281879

Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.8	28.2
138	20.5	17.6	26.4



Sample Results: **BF142964.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142964.D
Acq On : 02 Jul 2025 11:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 02 12:31:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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	70	0.00
2		1,4-Dioxane	0.480	0.432	10.0	66	-0.02
3		Pyridine	1.205	1.102	8.5	67	-0.02
4		n-Nitrosodimethylamine	0.623	0.582	6.6	69	-0.02
5	S	2-Fluorophenol	1.201	1.175	2.2	72	0.00
6		Aniline	1.886	1.810	4.0	70	-0.01
7	S	Phenol-d6	1.417	1.364	3.7	72	0.00
8		2-Chlorophenol	1.296	1.252	3.4	71	0.00
9		Benzaldehyde	0.841	0.869	-3.3	81	0.00
10	C	Phenol	1.575	1.528	3.0	71	0.00
11		bis(2-Chloroethyl)ether	1.126	1.072	4.8	70	0.00
12		1,3-Dichlorobenzene	1.449	1.426	1.6	73	0.00
13	C	1,4-Dichlorobenzene	1.462	1.420	2.9	71	0.00
14		1,2-Dichlorobenzene	1.387	1.343	3.2	71	0.00
15		Benzyl Alcohol	1.025	1.022	0.3	74	0.00
16		2,2'-oxybis(1-Chloropropane	1.809	1.643	9.2	67	-0.01
17		2-Methylphenol	0.982	0.951	3.2	71	0.00
18		Hexachloroethane	0.511	0.505	1.2	71	0.00
19	P	n-Nitroso-di-n-propylamine	0.824	0.806	2.2	72	0.00
20		3+4-Methylphenols	1.224	1.220	0.3	73	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	71	-0.01
22		Acetophenone	0.441	0.428	2.9	73	0.00
23	S	Nitrobenzene-d5	0.365	0.381	-4.4	77	0.00
24		Nitrobenzene	0.330	0.320	3.0	72	0.00
25		Isophorone	0.585	0.565	3.4	73	0.00
26	C	2-Nitrophenol	0.180	0.179	0.6	72	0.00
27		2,4-Dimethylphenol	0.311	0.301	3.2	72	0.00
28		bis(2-Chloroethoxy)methane	0.372	0.360	3.2	72	0.00
29	C	2,4-Dichlorophenol	0.282	0.275	2.5	72	0.00
30		1,2,4-Trichlorobenzene	0.310	0.305	1.6	73	0.00
31		Naphthalene	0.979	0.947	3.3	72	0.00
32		Benzoic acid	0.159	0.140	11.9	64	0.00
33		4-Chloroaniline	0.398	0.390	2.0	74	0.00
34	C	Hexachlorobutadiene	0.190	0.186	2.1	72	-0.01
35		Caprolactam	0.075	0.075	0.0	75	0.00
36	C	4-Chloro-3-methylphenol	0.281	0.275	2.1	73	0.00
37		2-Methylnaphthalene	0.607	0.601	1.0	74	-0.01
38		1-Methylnaphthalene	0.628	0.617	1.8	74	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	72	0.00
40		1,2,4,5-Tetrachlorobenzene	0.590	0.588	0.3	76	0.00
41	P	Hexachlorocyclopentadiene	0.335	0.265	20.9	57	-0.01
42	S	2,4,6-Tribromophenol	0.206	0.203	1.5	73	0.00
43	C	2,4,6-Trichlorophenol	0.385	0.371	3.6	73	0.00
44		2,4,5-Trichlorophenol	0.405	0.391	3.5	72	0.00
45	S	2-Fluorobiphenyl	1.522	1.598	-5.0	80	-0.01
46		1,1'-Biphenyl	1.580	1.544	2.3	74	-0.01
47		2-Chloronaphthalene	1.186	1.140	3.9	73	0.00

Sample Results: **BF142964.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142964.D
Acq On : 02 Jul 2025 11:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 02 12:31:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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	0.332	0.326	1.8	72	0.00
49		Acenaphthylene	1.952	1.901	2.6	74	0.00
50		Dimethylphthalate	1.295	1.269	2.0	74	-0.01
51		2,6-Dinitrotoluene	0.284	0.284	0.0	74	0.00
52	C	Acenaphthene	1.191	1.162	2.4	73	0.00
53		3-Nitroaniline	0.313	0.313	0.0	75	0.00
54	P	2,4-Dinitrophenol	0.142	0.122	14.1	62	0.00
55		Dibenzofuran	1.708	1.651	3.3	73	0.00
56	P	4-Nitrophenol	0.214	0.246	-15.0	85	0.00
57		2,4-Dinitrotoluene	0.378	0.373	1.3	73	0.00
58		Fluorene	1.334	1.313	1.6	75	-0.01
59		2,3,4,6-Tetrachlorophenol	0.326	0.315	3.4	73	0.00
60		Diethylphthalate	1.269	1.281	-0.9	76	0.00
61		4-Chlorophenyl-phenylether	0.636	0.631	0.8	76	0.00
62		4-Nitroaniline	0.286	0.291	-1.7	77	0.00
63		Azobenzene	1.134	1.087	4.1	72	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	74	0.00
65		4,6-Dinitro-2-methylphenol	0.121	0.113	6.6	70	0.00
66	c	n-Nitrosodiphenylamine	0.693	0.673	2.9	74	0.00
67		4-Bromophenyl-phenylether	0.228	0.223	2.2	76	-0.01
68		Hexachlorobenzene	0.253	0.240	5.1	74	0.00
69		Atrazine	0.179	0.188	-5.0	80	0.00
70	C	Pentachlorophenol	0.126	0.112	11.1	66	0.00
71		Phenanthrene	1.083	1.038	4.2	74	-0.01
72		Anthracene	1.111	1.071	3.6	75	0.00
73		Carbazole	0.959	0.921	4.0	76	0.00
74		Di-n-butylphthalate	0.999	1.051	-5.2	82	0.00
75	C	Fluoranthene	1.028	0.992	3.5	77	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	83	0.00
77		Benzidine	0.751	0.874	-16.4	94	0.00
78		Pyrene	1.875	1.887	-0.6	90	0.00
79	S	Terphenyl-d14	1.447	1.366	5.6	85	0.00
80		Butylbenzylphthalate	0.544	0.594	-9.2	90	0.00
81		Benzo(a)anthracene	1.349	1.348	0.1	88	0.00
82		3,3'-Dichlorobenzidine	0.438	0.424	3.2	82	0.00
83		Chrysene	1.204	1.123	6.7	80	0.00
84		Bis(2-ethylhexyl)phthalate	0.782	0.847	-8.3	87	0.00
85	c	Di-n-octyl phthalate	1.475	1.461	0.9	83	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	73	0.00
87		Indeno(1,2,3-cd)pyrene	1.523	1.408	7.6	70	0.00
88		Benzo(b)fluoranthene	1.157	1.268	-9.6	86	0.00
89		Benzo(k)fluoranthene	1.083	1.006	7.1	71	0.00
90	C	Benzo(a)pyrene	1.118	1.116	0.2	76	0.00
91		Dibenzo(a,h)anthracene	1.238	1.141	7.8	70	0.00
92		Benzo(g,h,i)perylene	1.234	1.137	7.9	70	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142964.D
Acq On : 02 Jul 2025 11:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 02 12:31:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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: **BF142964.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142964.D
Acq On : 02 Jul 2025 11:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 02 12:31:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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	70	0.00
2		1,4-Dioxane	40.000	35.951	10.1	66	-0.02
3		Pyridine	40.000	36.607	8.5	67	-0.02
4		n-Nitrosodimethylamine	40.000	37.370	6.6	69	-0.02
5	S	2-Fluorophenol	80.000	78.264	2.2	72	0.00
6		Aniline	40.000	38.399	4.0	70	-0.01
7	S	Phenol-d6	80.000	77.015	3.7	72	0.00
8		2-Chlorophenol	40.000	38.633	3.4	71	0.00
9		Benzaldehyde	40.000	41.363	-3.4	81	0.00
10	C	Phenol	40.000	38.801	3.0	71	0.00
11		bis(2-Chloroethyl)ether	40.000	38.094	4.8	70	0.00
12		1,3-Dichlorobenzene	40.000	39.362	1.6	73	0.00
13	C	1,4-Dichlorobenzene	40.000	38.838	2.9	71	0.00
14		1,2-Dichlorobenzene	40.000	38.750	3.1	71	0.00
15		Benzyl Alcohol	40.000	39.888	0.3	74	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	36.334	9.2	67	-0.01
17		2-Methylphenol	40.000	38.742	3.1	71	0.00
18		Hexachloroethane	40.000	39.504	1.2	71	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.120	2.2	72	0.00
20		3+4-Methylphenols	40.000	39.858	0.4	73	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	71	-0.01
22		Acetophenone	40.000	38.808	3.0	73	0.00
23	S	Nitrobenzene-d5	80.000	83.519	-4.4	77	0.00
24		Nitrobenzene	40.000	38.821	2.9	72	0.00
25		Isophorone	40.000	38.611	3.5	73	0.00
26	C	2-Nitrophenol	40.000	39.896	0.3	72	0.00
27		2,4-Dimethylphenol	40.000	38.663	3.3	72	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.695	3.3	72	0.00
29	C	2,4-Dichlorophenol	40.000	38.979	2.6	72	0.00
30		1,2,4-Trichlorobenzene	40.000	39.253	1.9	73	0.00
31		Naphthalene	40.000	38.685	3.3	72	0.00
32		Benzoic acid	40.000	35.216	12.0	64	0.00
33		4-Chloroaniline	40.000	39.223	1.9	74	0.00
34	C	Hexachlorobutadiene	40.000	39.233	1.9	72	-0.01
35		Caprolactam	40.000	40.458	-1.1	75	0.00
36	C	4-Chloro-3-methylphenol	40.000	39.235	1.9	73	0.00
37		2-Methylnaphthalene	40.000	39.587	1.0	74	-0.01
38		1-Methylnaphthalene	40.000	39.278	1.8	74	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	72	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.828	0.4	76	0.00
41	P	Hexachlorocyclopentadiene	40.000	31.704	20.7	57	-0.01
42	S	2,4,6-Tribromophenol	80.000	79.070	1.2	73	0.00
43	C	2,4,6-Trichlorophenol	40.000	38.549	3.6	73	0.00
44		2,4,5-Trichlorophenol	40.000	38.640	3.4	72	0.00
45	S	2-Fluorobiphenyl	80.000	83.974	-5.0	80	-0.01
46		1,1'-Biphenyl	40.000	39.088	2.3	74	-0.01
47		2-Chloronaphthalene	40.000	38.477	3.8	73	0.00

Sample Results: **BF142964.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142964.D
Acq On : 02 Jul 2025 11:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 02 12:31:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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	39.215	2.0	72	0.00
49		Acenaphthylene	40.000	38.960	2.6	74	0.00
50		Dimethylphthalate	40.000	39.199	2.0	74	-0.01
51		2,6-Dinitrotoluene	40.000	39.921	0.2	74	0.00
52	C	Acenaphthene	40.000	39.023	2.4	73	0.00
53		3-Nitroaniline	40.000	40.037	-0.1	75	0.00
54	P	2,4-Dinitrophenol	40.000	34.414	14.0	62	0.00
55		Dibenzofuran	40.000	38.685	3.3	73	0.00
56	P	4-Nitrophenol	40.000	45.854	-14.6	85	0.00
57		2,4-Dinitrotoluene	40.000	39.544	1.1	73	0.00
58		Fluorene	40.000	39.391	1.5	75	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	38.594	3.5	73	0.00
60		Diethylphthalate	40.000	40.377	-0.9	76	0.00
61		4-Chlorophenyl-phenylether	40.000	39.675	0.8	76	0.00
62		4-Nitroaniline	40.000	40.627	-1.6	77	0.00
63		Azobenzene	40.000	38.318	4.2	72	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	74	0.00
65		4,6-Dinitro-2-methylphenol	40.000	37.330	6.7	70	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.842	2.9	74	0.00
67		4-Bromophenyl-phenylether	40.000	39.212	2.0	76	-0.01
68		Hexachlorobenzene	40.000	38.023	4.9	74	0.00
69		Atrazine	40.000	41.917	-4.8	80	0.00
70	C	Pentachlorophenol	40.000	35.684	10.8	66	0.00
71		Phenanthrene	40.000	38.308	4.2	74	-0.01
72		Anthracene	40.000	38.570	3.6	75	0.00
73		Carbazole	40.000	38.432	3.9	76	0.00
74		Di-n-butylphthalate	40.000	42.104	-5.3	82	0.00
75	C	Fluoranthene	40.000	38.573	3.6	77	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	83	0.00
77		Benzidine	40.000	46.514	-16.3	94	0.00
78		Pyrene	40.000	40.257	-0.6	90	0.00
79	S	Terphenyl-d14	80.000	75.514	5.6	85	0.00
80		Butylbenzylphthalate	40.000	43.714	-9.3	90	0.00
81		Benzo(a)anthracene	40.000	39.974	0.1	88	0.00
82		3,3'-Dichlorobenzidine	40.000	38.724	3.2	82	0.00
83		Chrysene	40.000	37.312	6.7	80	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	43.293	-8.2	87	0.00
85	c	Di-n-octyl phthalate	40.000	39.616	1.0	83	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	73	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	36.965	7.6	70	0.00
88		Benzo(b)fluoranthene	40.000	43.830	-9.6	86	0.00
89		Benzo(k)fluoranthene	40.000	37.183	7.0	71	0.00
90	C	Benzo(a)pyrene	40.000	39.941	0.1	76	0.00
91		Dibenzo(a,h)anthracene	40.000	36.878	7.8	70	0.00
92		Benzo(g,h,i)perylene	40.000	36.836	7.9	70	0.00

Sample Results: **BF142964.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142964.D
Acq On : 02 Jul 2025 11:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 02 12:31:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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: **BF142987.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: Alliance Contract: CAMP02

Lab Code: ACE SDG No.: Q2458

Instrument ID: BNA_F Calibration Date/Time: 07/03/2025 09:55

Lab File ID: BF142987.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.201	1.155		-3.8	
Benzaldehyde	0.841	0.872		3.7	
Phenol-d6	1.417	1.350		-4.7	
Phenol	1.575	1.488		-5.5	20.0
bis(2-Chloroethyl)ether	1.126	1.068		-5.2	
2-Chlorophenol	1.296	1.258		-2.9	
2-Methylphenol	0.982	0.942		-4.1	
2,2-oxybis(1-Chloropropane)	1.809	1.607		-11.2	
Acetophenone	0.441	0.435		-1.4	
3+4-Methylphenols	1.224	1.205		-1.6	
n-Nitroso-di-n-propylamine	0.824	0.783	0.050	-5.0	
Nitrobenzene-d5	0.365	0.383		4.9	
Hexachloroethane	0.511	0.494		-3.3	
Nitrobenzene	0.330	0.319		-3.3	
Isophorone	0.585	0.556		-5.0	
2-Nitrophenol	0.180	0.181		0.6	20.0
2,4-Dimethylphenol	0.311	0.288		-7.4	
bis(2-Chloroethoxy)methane	0.372	0.360		-3.2	
2,4-Dichlorophenol	0.282	0.274		-2.8	20.0
Naphthalene	0.979	0.960		-1.9	
4-Chloroaniline	0.398	0.386		-3.0	
Hexachlorobutadiene	0.190	0.191		0.5	20.0
Caprolactam	0.075	0.071		-5.3	
4-Chloro-3-methylphenol	0.281	0.270		-3.9	20.0
2-Methylnaphthalene	0.607	0.585		-3.6	
Hexachlorocyclopentadiene	0.335	0.268	0.050	-20.0	
2,4,6-Trichlorophenol	0.385	0.379		-1.6	20.0
2-Fluorobiphenyl	1.522	1.626		6.8	
2,4,5-Trichlorophenol	0.405	0.404		-0.2	
1,1-Biphenyl	1.580	1.566		-0.9	
2-Chloronaphthalene	1.186	1.170		-1.3	
2-Nitroaniline	0.332	0.323		-2.7	
Dimethylphthalate	1.295	1.278		-1.3	
Acenaphthylene	1.952	1.899		-2.7	
2,6-Dinitrotoluene	0.284	0.278		-2.1	
3-Nitroaniline	0.313	0.303		-3.2	
Acenaphthene	1.191	1.172		-1.6	20.0
2,4-Dinitrophenol	0.142	0.131	0.050	-7.7	
4-Nitrophenol	0.214	0.226	0.050	5.6	

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: Alliance Contract: CAMP02

Lab Code: ACE SDG No.: Q2458

Instrument ID: BNA_F Calibration Date/Time: 07/03/2025 09:55

Lab File ID: BF142987.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.708	1.633		-4.4	
2,4-Dinitrotoluene	0.378	0.365		-3.4	
Diethylphthalate	1.269	1.256		-1.0	
4-Chlorophenyl-phenylether	0.636	0.627		-1.4	
Fluorene	1.334	1.318		-1.2	
4-Nitroaniline	0.286	0.271		-5.2	
4,6-Dinitro-2-methylphenol	0.121	0.117		-3.3	
n-Nitrosodiphenylamine	0.693	0.695		0.3	20.0
2,4,6-Tribromophenol	0.206	0.200		-2.9	
4-Bromophenyl-phenylether	0.228	0.231		1.3	
Hexachlorobenzene	0.253	0.247		-2.4	
Atrazine	0.179	0.189		5.6	
Pentachlorophenol	0.126	0.112		-11.1	20.0
Phenanthrene	1.083	1.056		-2.5	
Anthracene	1.111	1.095		-1.4	
Carbazole	0.959	0.918		-4.3	
Di-n-butylphthalate	0.999	1.042		4.3	
Fluoranthene	1.028	0.963		-6.3	20.0
Pyrene	1.875	1.861		-0.7	
Terphenyl-d14	1.447	1.388		-4.1	
Butylbenzylphthalate	0.544	0.616		13.2	
3,3-Dichlorobenzidine	0.438	0.467		6.6	
Benzo(a)anthracene	1.349	1.360		0.8	
Chrysene	1.204	1.153		-4.2	
Bis(2-ethylhexyl)phthalate	0.782	0.921		17.8	
Di-n-octyl phthalate	1.475	1.699		15.2	20.0
Benzo(b)fluoranthene	1.157	1.162		0.4	
Benzo(k)fluoranthene	1.083	1.015		-6.3	
Benzo(a)pyrene	1.118	1.091		-2.4	20.0
Indeno(1,2,3-cd)pyrene	1.523	1.412		-7.3	
Dibenzo(a,h)anthracene	1.238	1.144		-7.6	
Benzo(g,h,i)perylene	1.234	1.104		-10.5	
1,2,4,5-Tetrachlorobenzene	0.590	0.594		0.7	
1,4-Dioxane	0.480	0.430		-10.4	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.310		-4.9	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142987.D
Acq On : 03 Jul 2025 09:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jul 03 11:17:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	62161	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	229765	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	116751	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	185461	20.000	ng	0.00
76) Chrysene-d12	14.051	240	107728	20.000	ng	0.00
86) Perylene-d12	15.545	264	131364	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	287239	76.934	ng	0.00
7) Phenol-d6	6.510	99	335649	76.199	ng	0.00
23) Nitrobenzene-d5	7.440	82	352226	84.085	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	93379	77.722	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	759551	85.464	ng	-0.01
79) Terphenyl-d14	12.992	244	598225	76.727	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.622	88	53465	35.803	ng	99
3) Pyridine	3.399	79	134024	35.799	ng	98
4) n-Nitrosodimethylamine	3.346	42	70336	36.332	ng	97
6) Aniline	6.540	93	218104	37.212	ng	97
8) 2-Chlorophenol	6.663	128	156373	38.827	ng	96
9) Benzaldehyde	6.428	77	108361	41.465	ng	98
10) Phenol	6.522	94	185049	37.793	ng	90
11) bis(2-Chloroethyl)ether	6.610	93	132714	37.924	ng	97
12) 1,3-Dichlorobenzene	6.816	146	174345	38.707	ng	100
13) 1,4-Dichlorobenzene	6.893	146	175396	38.596	ng	99
14) 1,2-Dichlorobenzene	7.045	146	167185	38.787	ng	100
15) Benzyl Alcohol	7.016	79	122618	38.506	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.146	45	199779	35.533	ng	85
17) 2-Methylphenol	7.128	107	117070	38.358	ng	99
18) Hexachloroethane	7.387	117	61470	38.672	ng	95
19) n-Nitroso-di-n-propyla...	7.287	70	97286	37.974	ng	99
20) 3+4-Methylphenols	7.287	107	149761	39.355	ng	94
22) Acetophenone	7.287	105	199714	39.417	ng	100
24) Nitrobenzene	7.457	77	146546	38.653	ng	99
25) Isophorone	7.698	82	255453	38.016	ng	100
26) 2-Nitrophenol	7.775	139	83211	40.290	ng	100
27) 2,4-Dimethylphenol	7.810	122	132297	36.981	ng	98
28) bis(2-Chloroethoxy)met...	7.904	93	165636	38.772	ng	99
29) 2,4-Dichlorophenol	8.022	162	126088	38.871	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	138995	38.968	ng	99
31) Naphthalene	8.181	128	441104	39.221	ng	100
32) Benzoic acid	7.922	122	59400	32.577	ng	98
33) 4-Chloroaniline	8.228	127	177185	38.745	ng	99
34) Hexachlorobutadiene	8.292	225	87828	40.255	ng	99
35) Caprolactam	8.604	113	32839	38.365	ng	91
36) 4-Chloro-3-methylphenol	8.710	107	124017	38.469	ng	98
37) 2-Methylnaphthalene	8.875	142	268912	38.568	ng	100
38) 1-Methylnaphthalene	8.969	142	280877	38.914	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	138759	40.279	ng	99
41) Hexachlorocyclopentadiene	9.022	237	62479	31.960	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	88434	39.395	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142987.D
Acq On : 03 Jul 2025 09:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jul 03 11:17:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

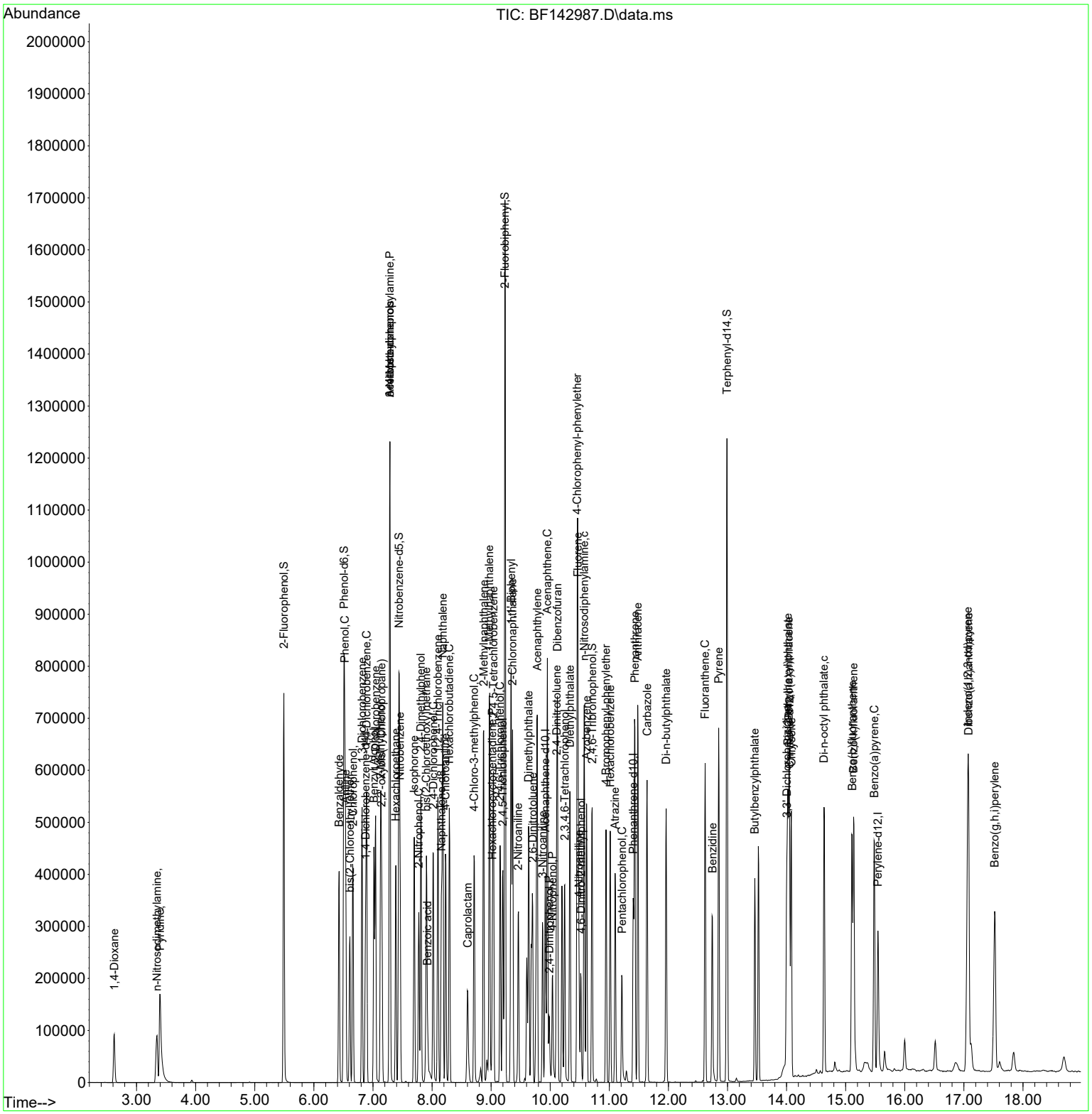
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	94408	39.952	ng	98
46) 1,1'-Biphenyl	9.339	154	365699	39.652	ng	100
47) 2-Chloronaphthalene	9.363	162	273280	39.486	ng	100
48) 2-Nitroaniline	9.457	65	75404	38.861	ng	99
49) Acenaphthylene	9.781	152	443510	38.927	ng	100
50) Dimethylphthalate	9.634	163	298300	39.472	ng	100
51) 2,6-Dinitrotoluene	9.704	165	64947	39.133	ng	95
52) Acenaphthene	9.951	154	273709m	39.375	ng	
53) 3-Nitroaniline	9.869	138	70835	38.765	ng	98
54) 2,4-Dinitrophenol	9.986	184	30559	36.773	ng	96
55) Dibenzofuran	10.122	168	381239	38.246	ng	99
56) 4-Nitrophenol	10.039	139	52736	42.156	ng	98
57) 2,4-Dinitrotoluene	10.110	165	85245	38.668	ng	94
58) Fluorene	10.469	166	307774	39.535	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.245	232	72431	38.026	ng	95
60) Diethylphthalate	10.334	149	293374	39.592	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	146416	39.414	ng	99
62) 4-Nitroaniline	10.486	138	63187	37.809	ng	98
63) Azobenzene	10.616	77	250925	37.889	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	43324	38.620	ng	97
66) n-Nitrosodiphenylamine	10.575	169	257976	40.136	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	85828	40.663	ng	96
68) Hexachlorobenzene	11.016	284	91556	39.037	ng	98
69) Atrazine	11.098	200	70039	42.197	ng	100
70) Pentachlorophenol	11.216	266	41380	35.407	ng	99
71) Phenanthrene	11.433	178	391835	39.002	ng	100
72) Anthracene	11.480	178	406285	39.432	ng	100
73) Carbazole	11.639	167	340680	38.315	ng	100
74) Di-n-butylphthalate	11.963	149	386639	41.741	ng	99
75) Fluoranthene	12.622	202	357341	37.478	ng	99
77) Benzidine	12.745	184	196289	48.497	ng	99
78) Pyrene	12.851	202	400958	39.708	ng	99
80) Butylbenzylphthalate	13.463	149	132794	45.336	ng	96
81) Benzo(a)anthracene	14.039	228	293122	40.334	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	100692	42.716	ng	98
83) Chrysene	14.080	228	248524	38.324	ng	99
84) Bis(2-ethylhexyl)phtha...	14.022	149	198476	47.096	ng	99
85) Di-n-octyl phthalate	14.633	149	366137	46.074	ng	98
87) Indeno(1,2,3-cd)pyrene	17.068	276	370993	37.078	ng	98
88) Benzo(b)fluoranthene	15.110	252	305182	40.149	ng	99
89) Benzo(k)fluoranthene	15.133	252	266707	37.503	ng	100
90) Benzo(a)pyrene	15.486	252	286573	39.025	ng	98
91) Dibenzo(a,h)anthracene	17.080	278	300677	36.984	ng	98
92) Benzo(g,h,i)perylene	17.521	276	289923	35.763	ng	98

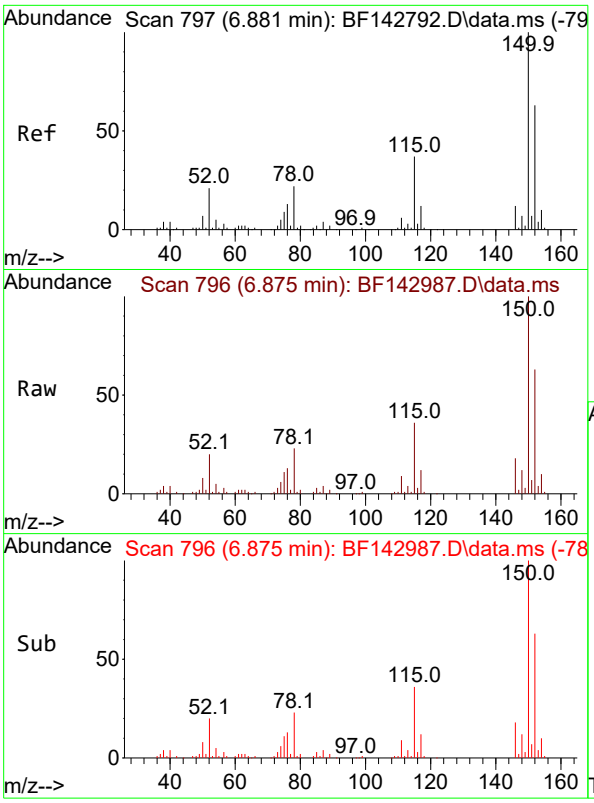
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF142987.D
Acq On : 03 Jul 2025 09:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jul 03 11:17:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



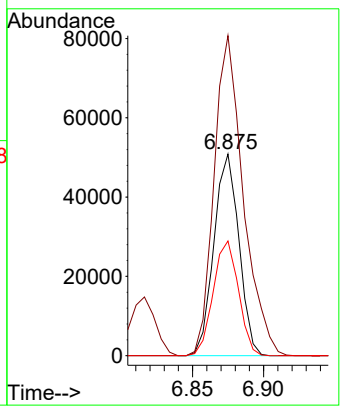


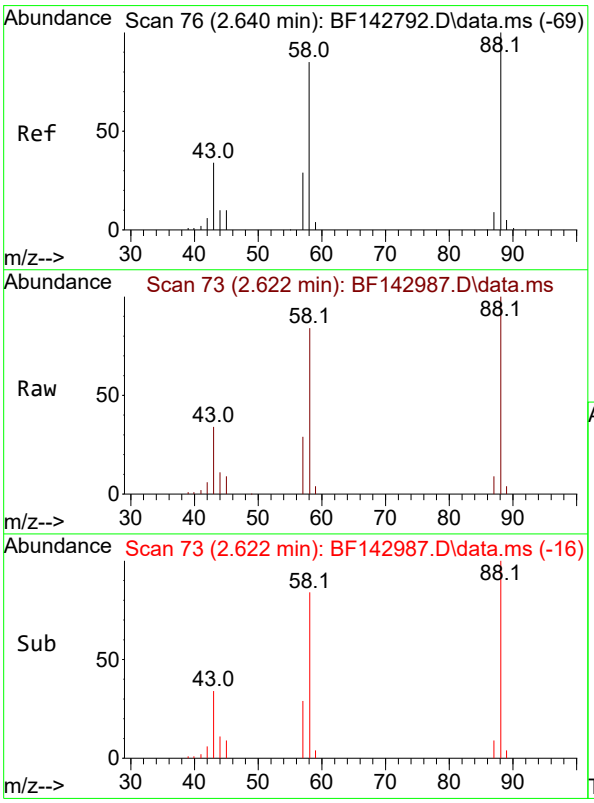
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 62161

Ion	Ratio	Lower	Upper
152	100		
150	158.7	127.2	190.8
115	56.9	46.6	69.8

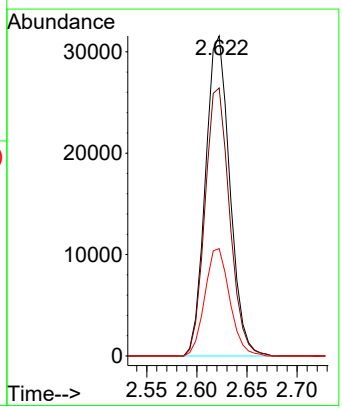


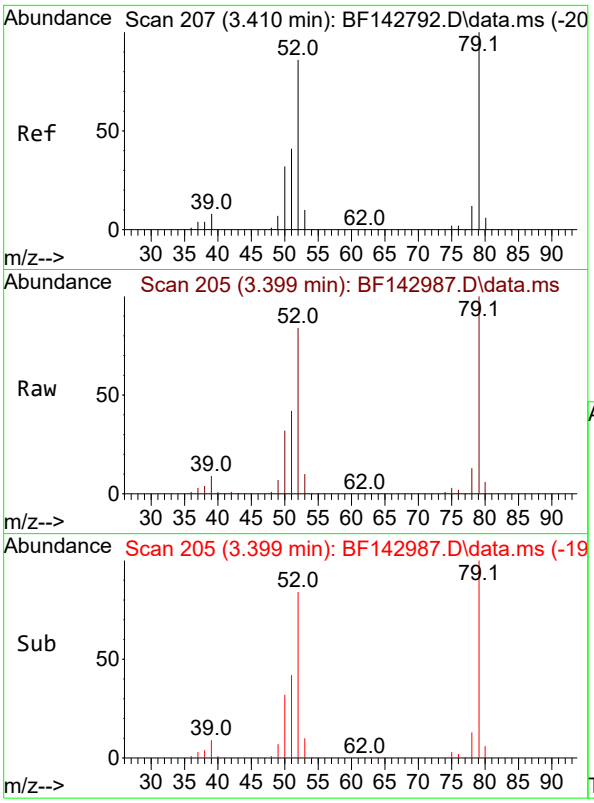


#2
1,4-Dioxane
Concen: 35.803 ng
RT: 2.622 min Scan# 73
Delta R.T. -0.017 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion: 88 Resp: 53465

Ion	Ratio	Lower	Upper
88	100		
58	84.6	69.1	103.7
43	34.3	27.4	41.2



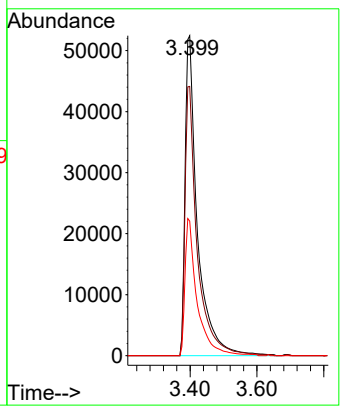


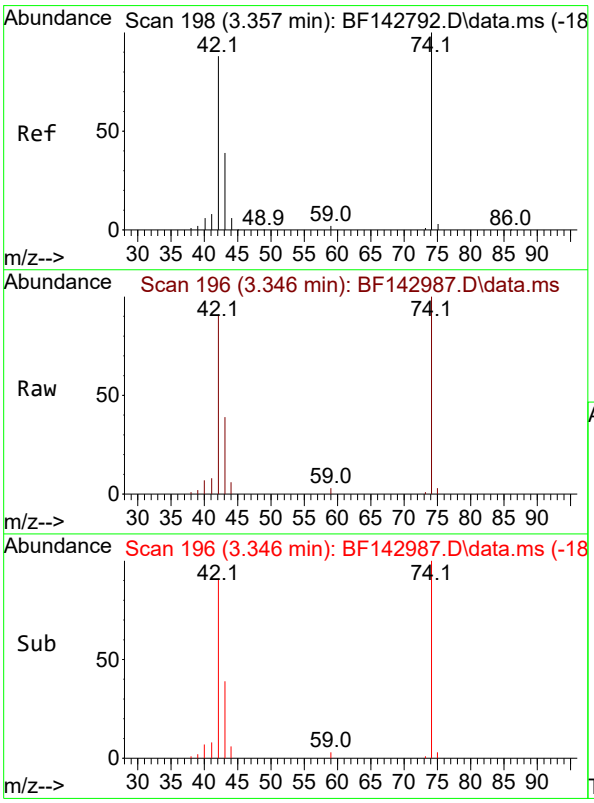
#3
Pyridine
Concen: 35.799 ng
RT: 3.399 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 134024

Ion	Ratio	Lower	Upper
79	100		
52	84.2	69.2	103.8
51	42.1	33.2	49.8

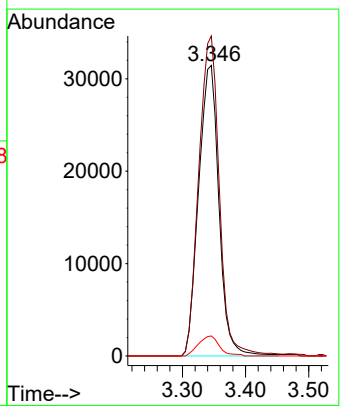


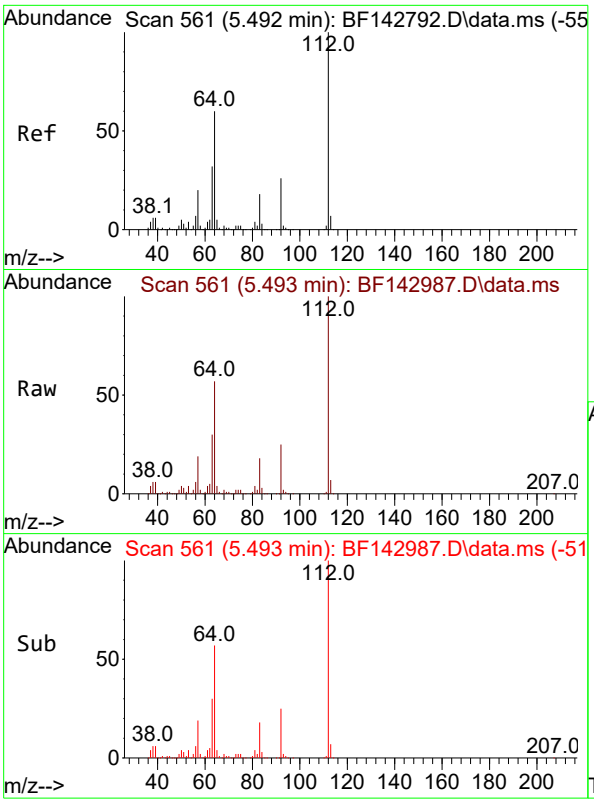


#4
n-Nitrosodimethylamine
Concen: 36.332 ng
RT: 3.346 min Scan# 196
Delta R.T. -0.012 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion: 42 Resp: 70336

Ion	Ratio	Lower	Upper
42	100		
74	110.2	90.9	136.3
44	6.9	5.8	8.6



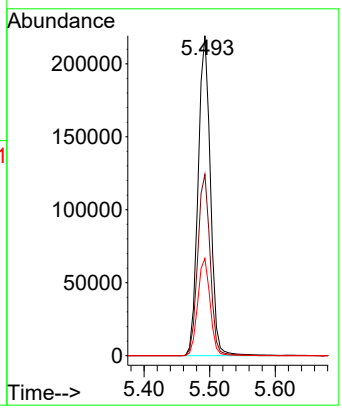


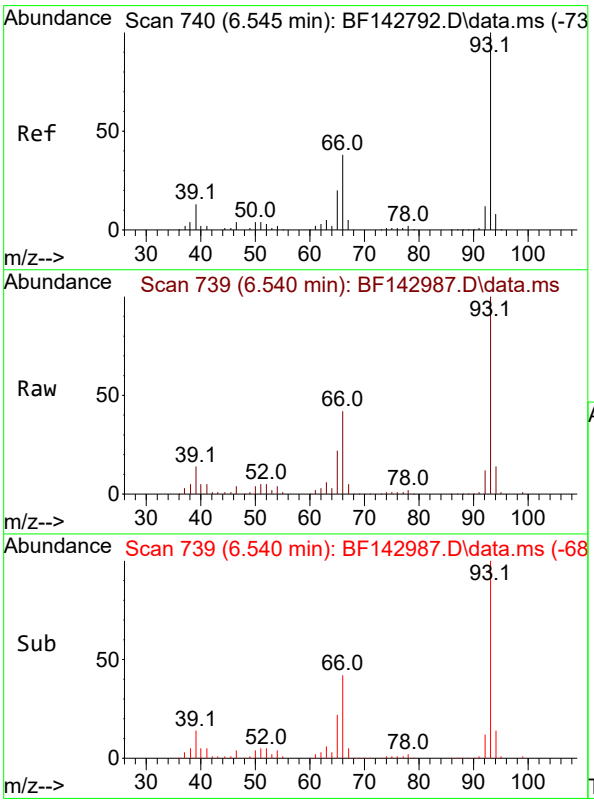
#5
2-Fluorophenol
Concen: 76.934 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.001 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 287239

Ion	Ratio	Lower	Upper
112	100		
64	56.7	48.2	72.2
63	30.4	25.7	38.5

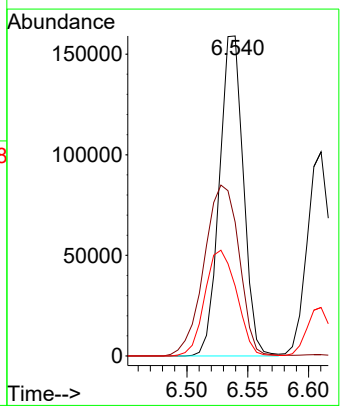


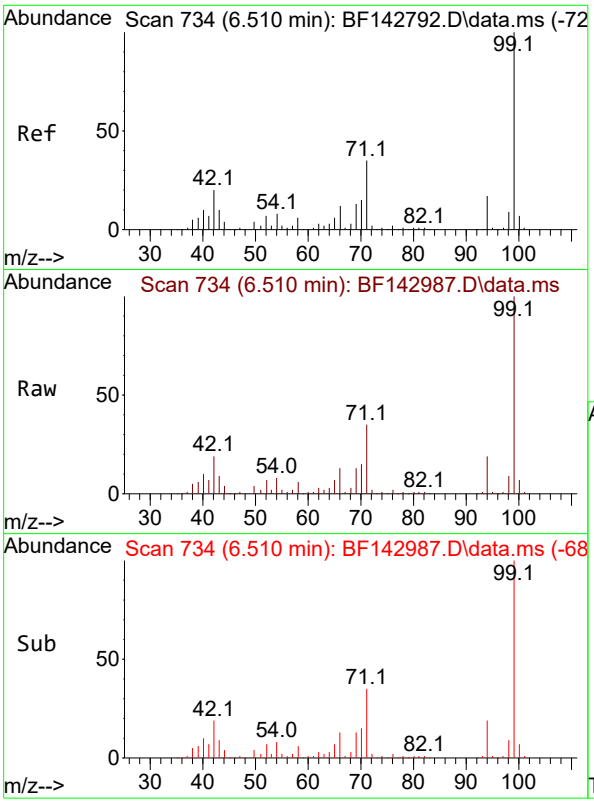


#6
Aniline
Concen: 37.212 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion: 93 Resp: 218104

Ion	Ratio	Lower	Upper
93	100		
66	41.8	31.8	47.6
65	21.9	16.2	24.2



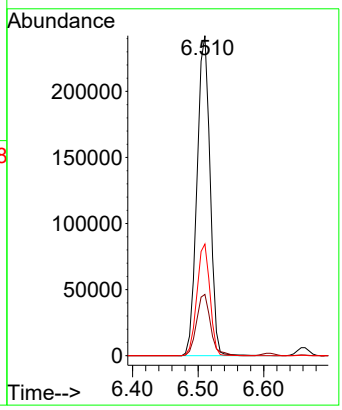


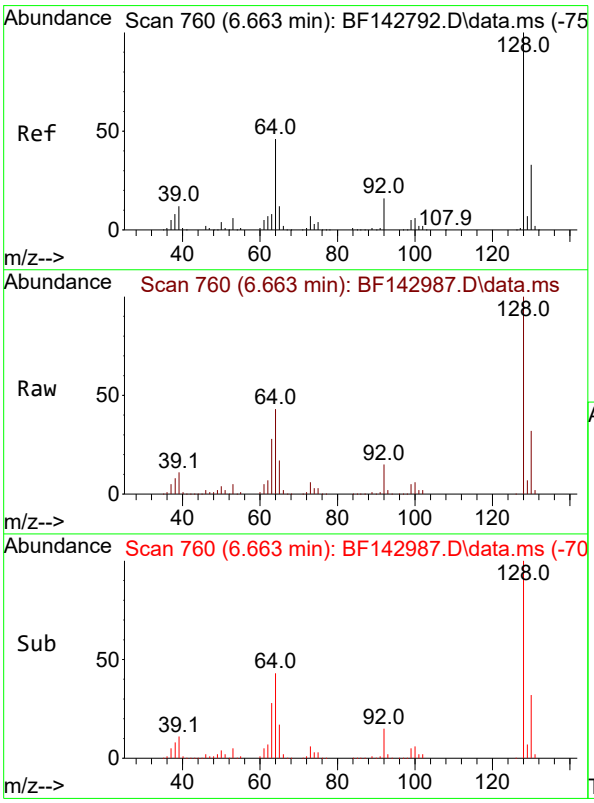
#7
Phenol-d6
Concen: 76.199 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 335649

Ion	Ratio	Lower	Upper
99	100		
42	19.2	15.9	23.9
71	34.9	27.8	41.8

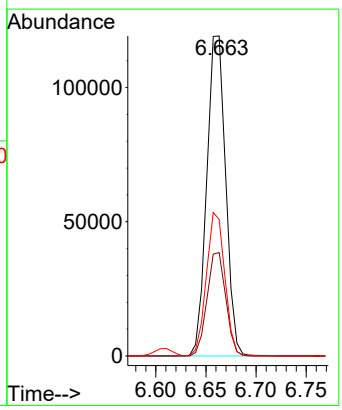


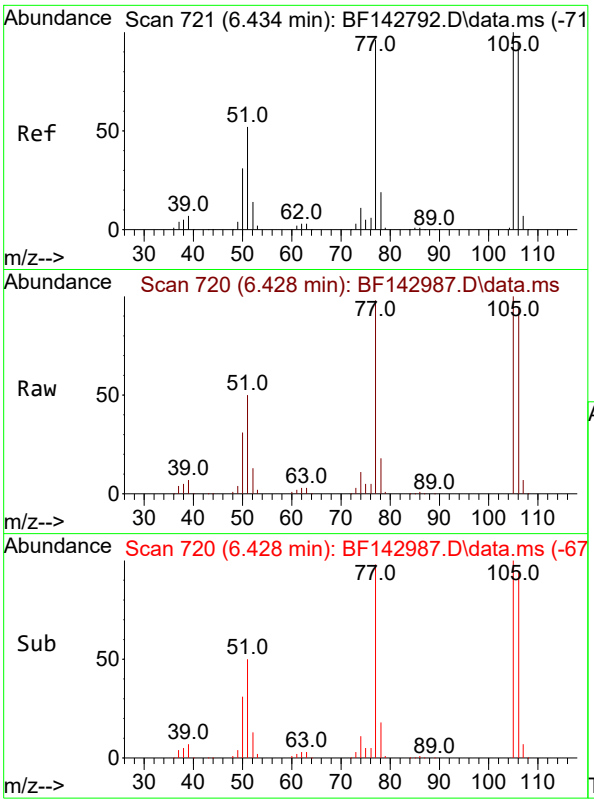


#8
2-Chlorophenol
Concen: 38.827 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:128 Resp: 156373

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.7	52.7
64	42.6	26.5	66.5



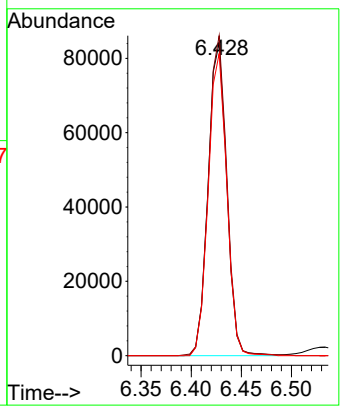


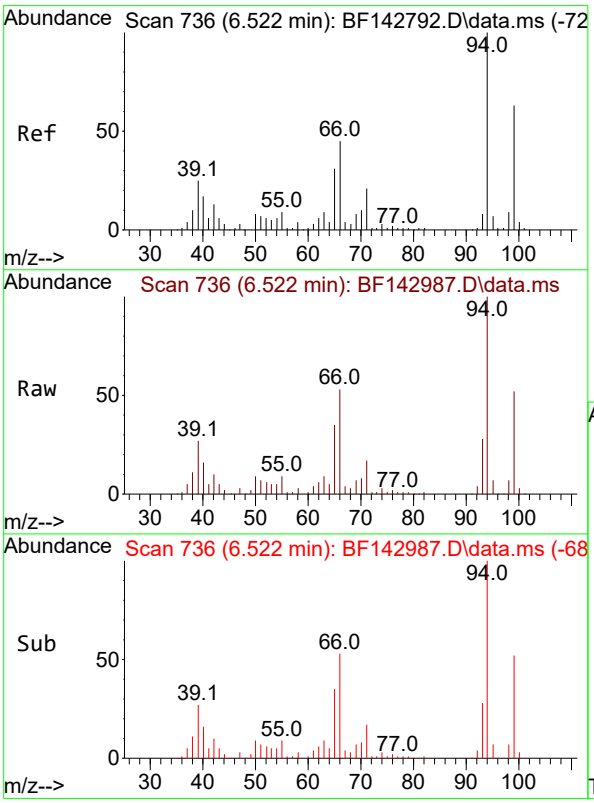
#9
Benzaldehyde
Concen: 41.465 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 108361

Ion	Ratio	Lower	Upper
77	100		
105	102.3	83.8	123.8
106	96.6	78.7	118.7

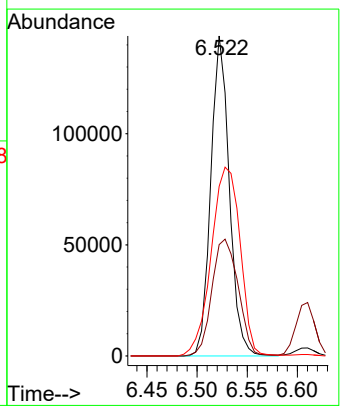


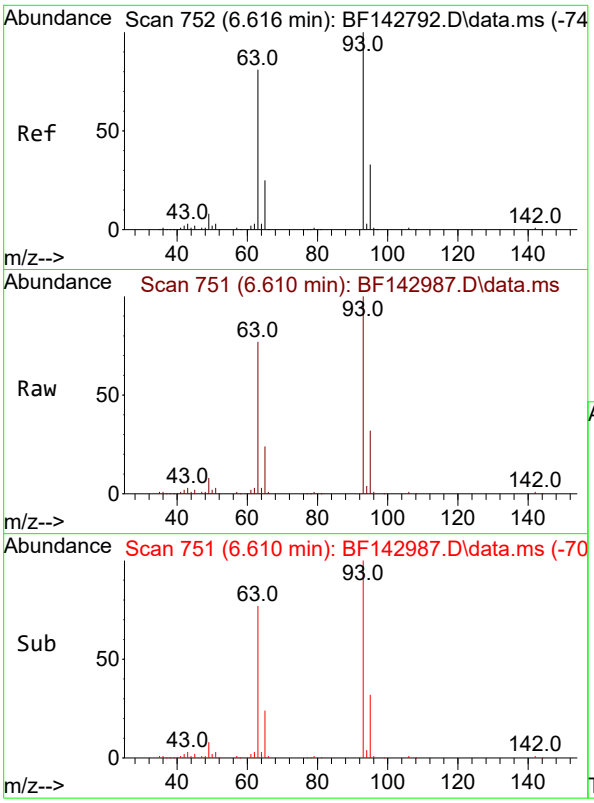


#10
Phenol
Concen: 37.793 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion: 94 Resp: 185049

Ion	Ratio	Lower	Upper
94	100		
65	34.8	11.3	51.3
66	53.0	24.9	64.9



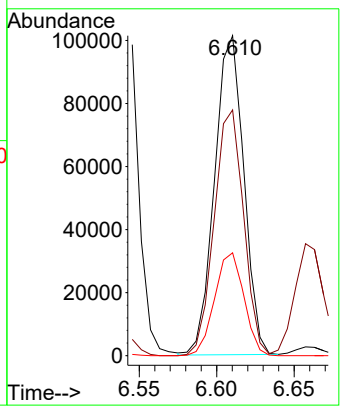


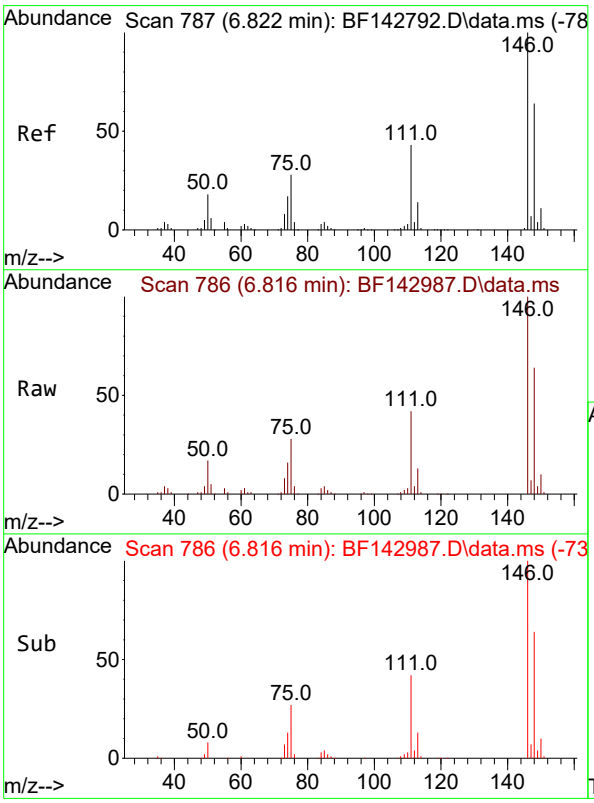
#11
bis(2-Chloroethyl)ether
Concen: 37.924 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 132714

Ion	Ratio	Lower	Upper
93	100		
63	76.8	60.3	100.3
95	32.2	12.5	52.5

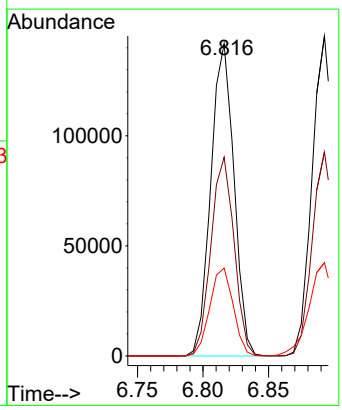


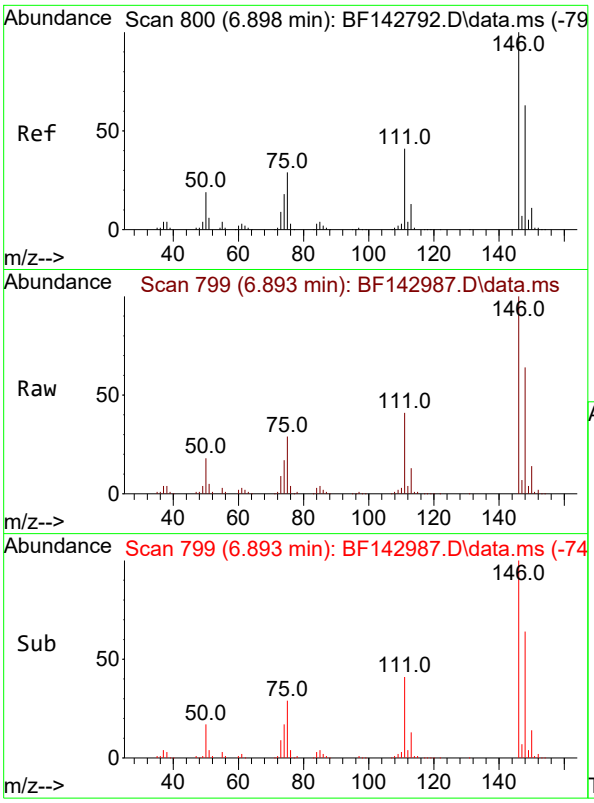


#12
1,3-Dichlorobenzene
Concen: 38.707 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:146 Resp: 174345

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.1	76.7
75	28.2	22.7	34.1



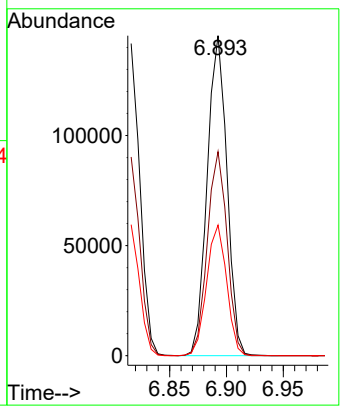


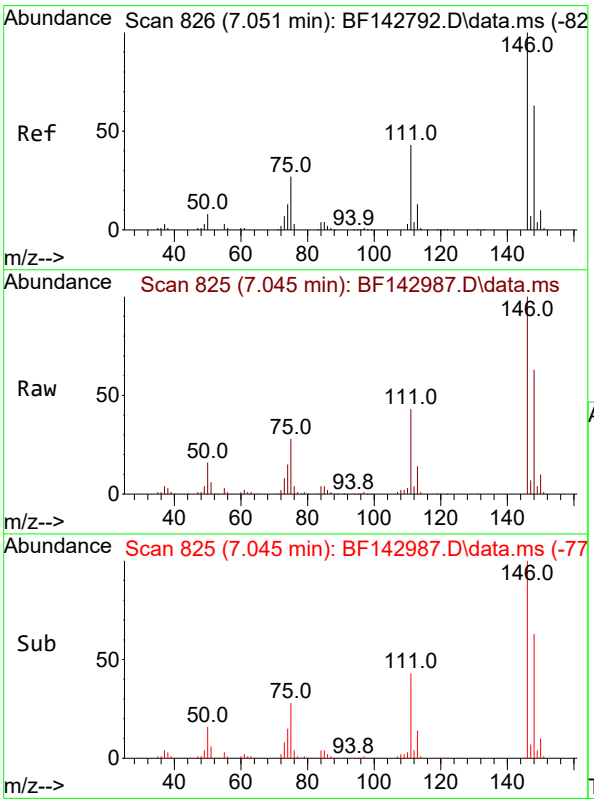
#13
1,4-Dichlorobenzene
Concen: 38.596 ng
RT: 6.893 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 175396

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.2	75.2
111	40.8	33.2	49.8

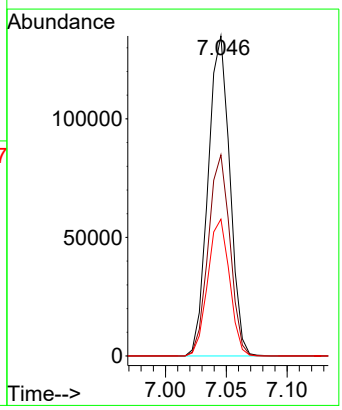


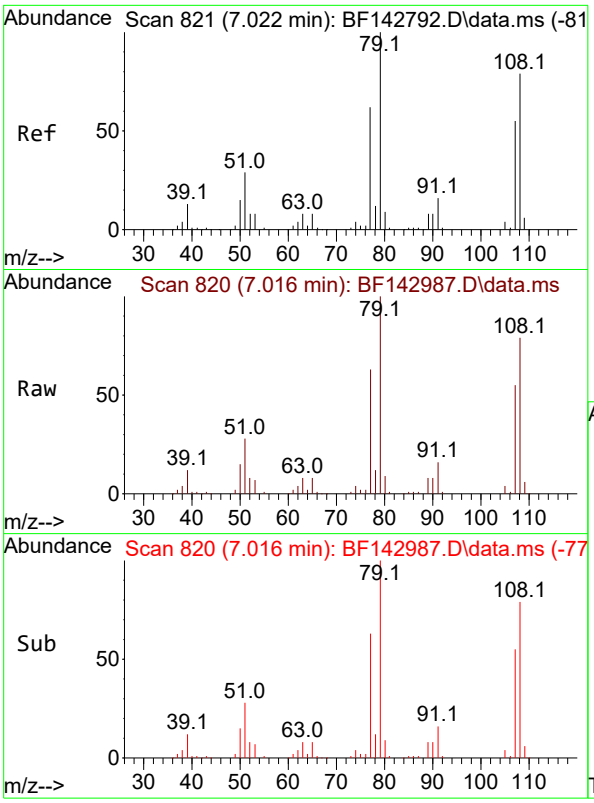


#14
1,2-Dichlorobenzene
Concen: 38.787 ng
RT: 7.045 min Scan# 825
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:146 Resp: 167185

Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.4	75.6
111	42.8	34.1	51.1



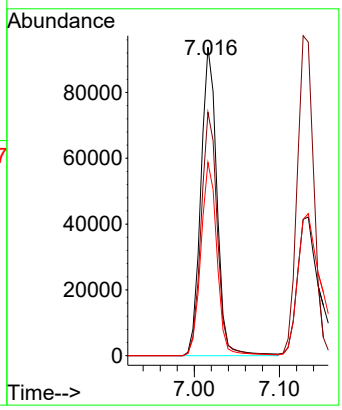


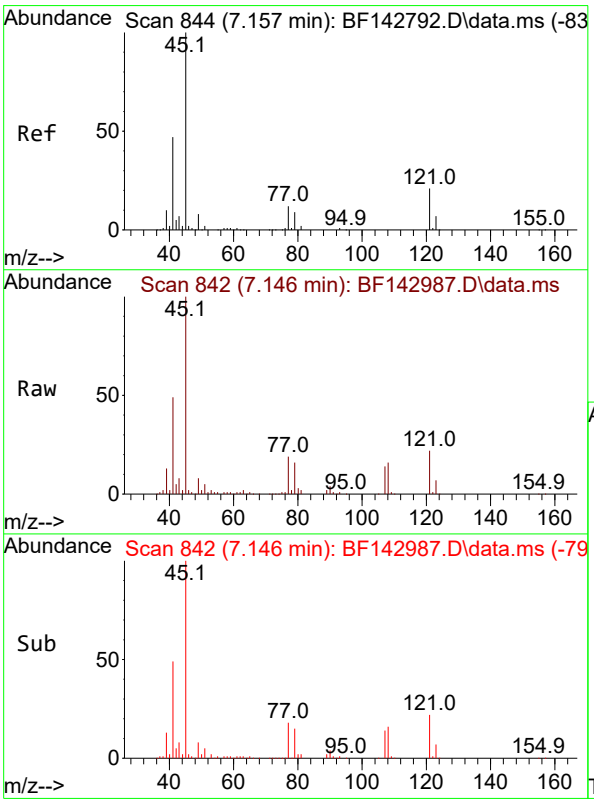
#15
Benzyl Alcohol
Concen: 38.506 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 122618

Ion	Ratio	Lower	Upper
79	100		
108	78.9	63.4	95.0
77	62.7	49.5	74.3

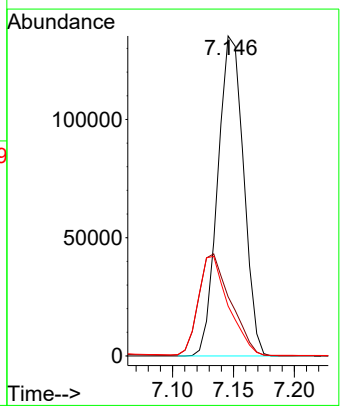


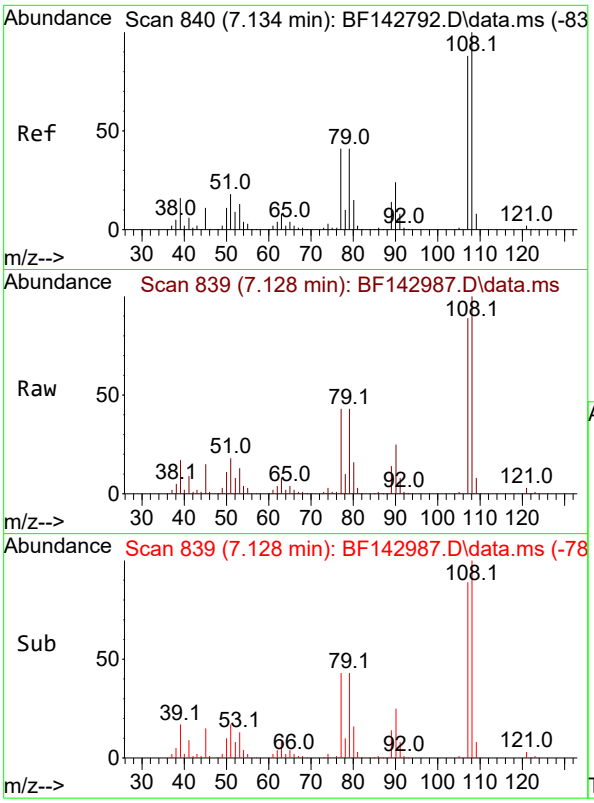


#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.533 ng
RT: 7.146 min Scan# 842
Delta R.T. -0.012 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion: 45 Resp: 199779

Ion	Ratio	Lower	Upper
45	100		
77	18.5	0.0	32.8
79	15.6	0.0	29.8



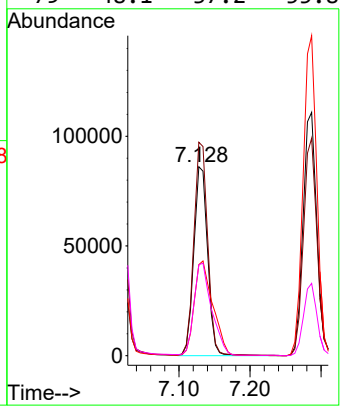


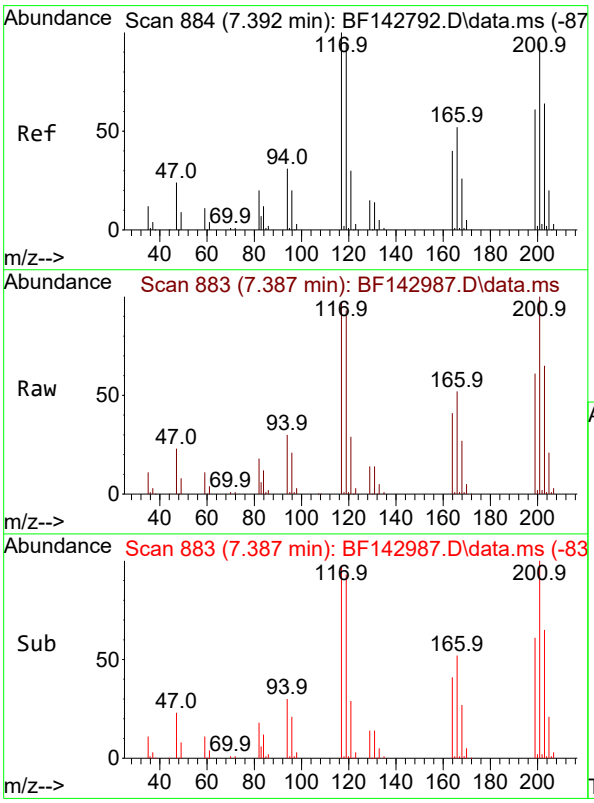
#17
2-Methylphenol
Concen: 38.358 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 117070

Ion	Ratio	Lower	Upper
107	100		
108	113.0	90.9	136.3
77	48.2	37.3	55.9
79	48.1	37.2	55.8

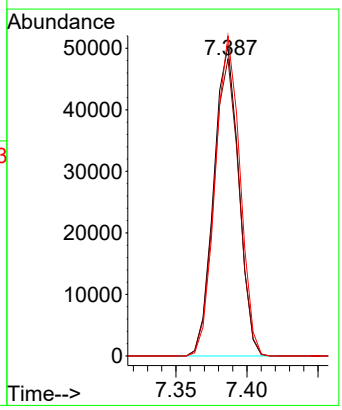


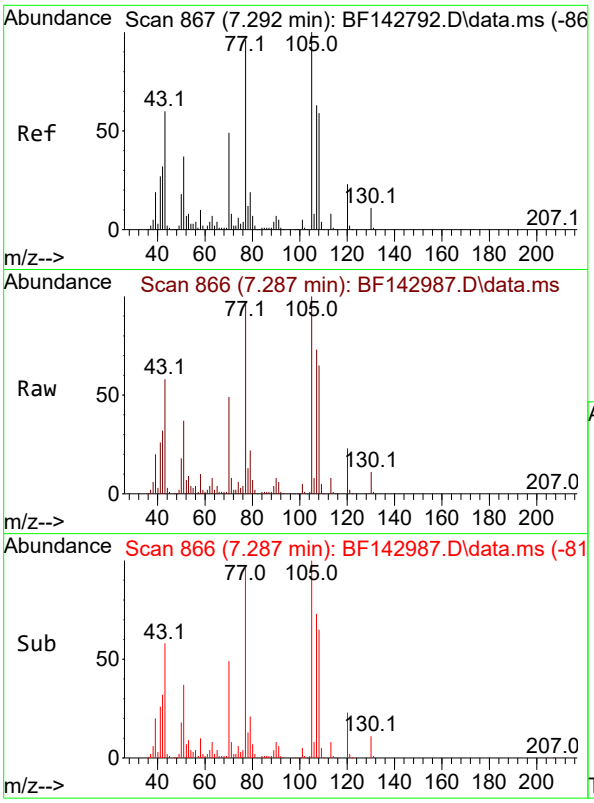


#18
Hexachloroethane
Concen: 38.672 ng
RT: 7.387 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:117 Resp: 61470

Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.4	113.0
201	103.2	75.9	113.9



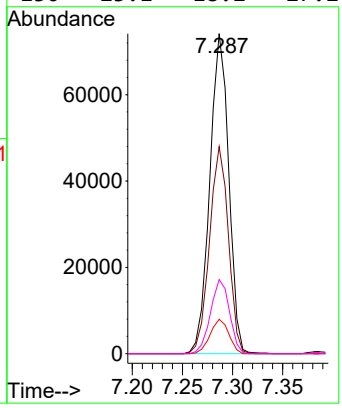


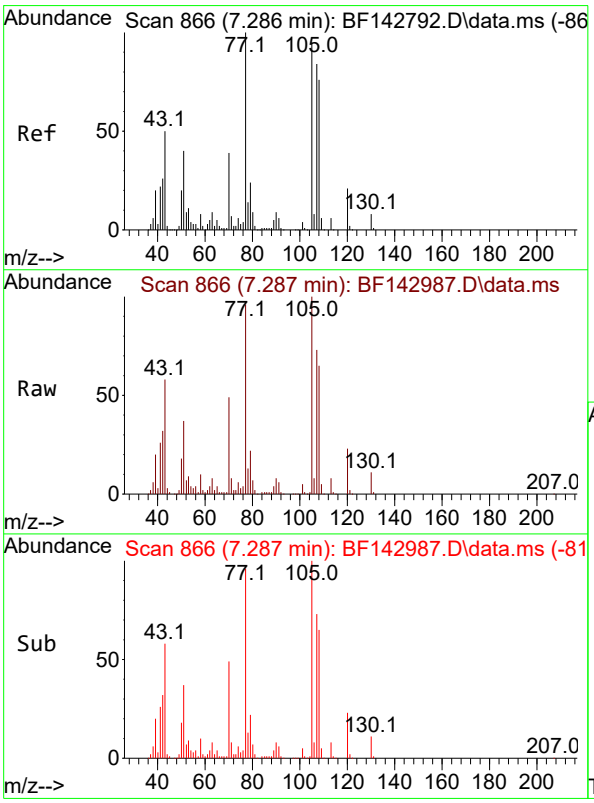
#19
n-Nitroso-di-n-propylamine
Concen: 37.974 ng
RT: 7.287 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 97286

Ion	Ratio	Lower	Upper
70	100		
42	64.7	52.1	78.1
101	10.8	8.2	12.2
130	23.1	18.2	27.2

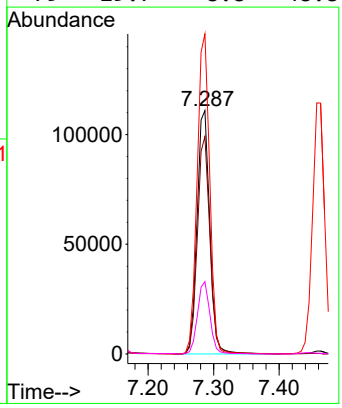


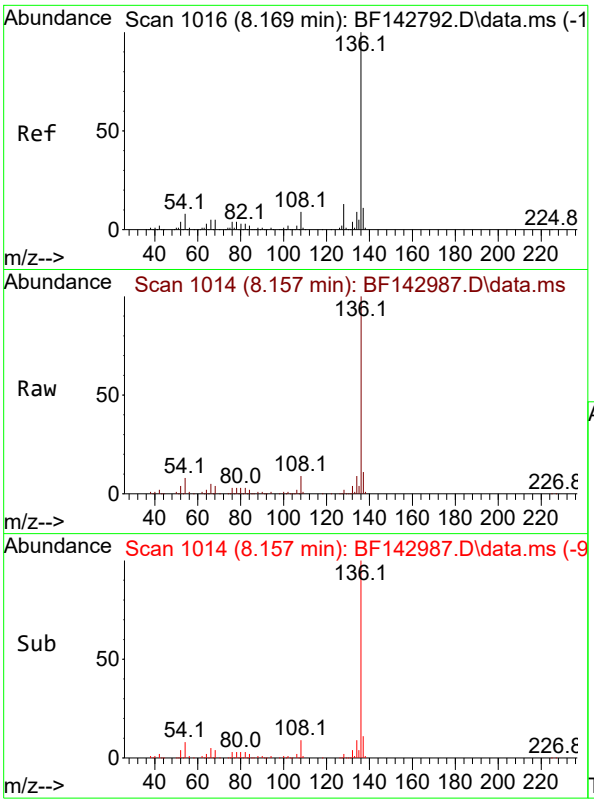


#20
3+4-Methylphenols
Concen: 39.355 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:107 Resp: 149761

Ion	Ratio	Lower	Upper
107	100		
108	89.4	70.0	110.0
77	131.5	98.5	138.5
79	29.7	8.8	48.8



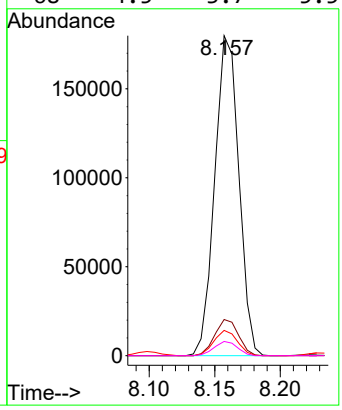


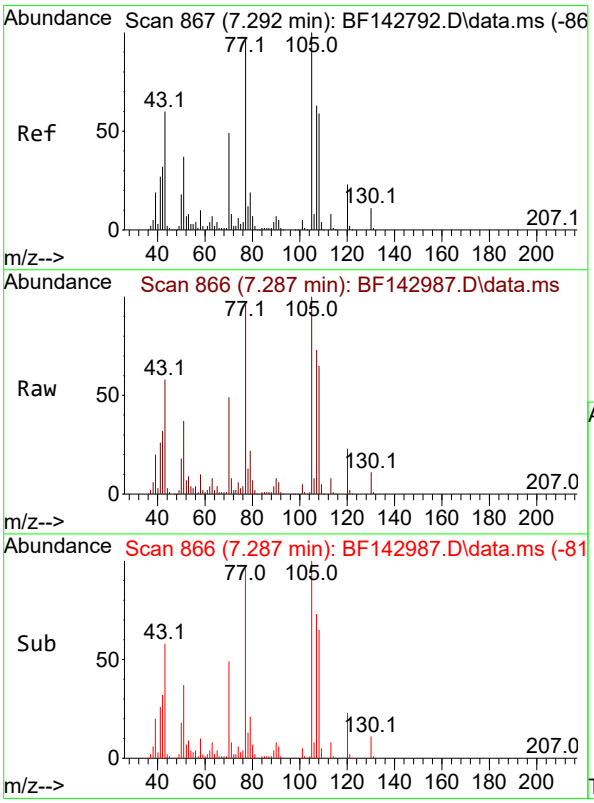
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 229765

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.4	12.6
54	7.9	6.3	9.5
68	4.5	3.7	5.5

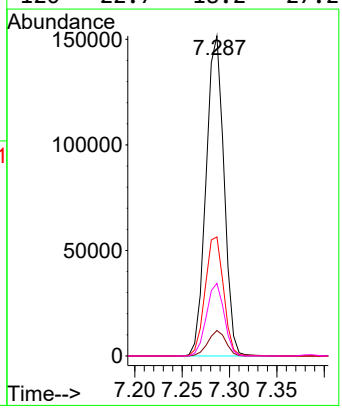


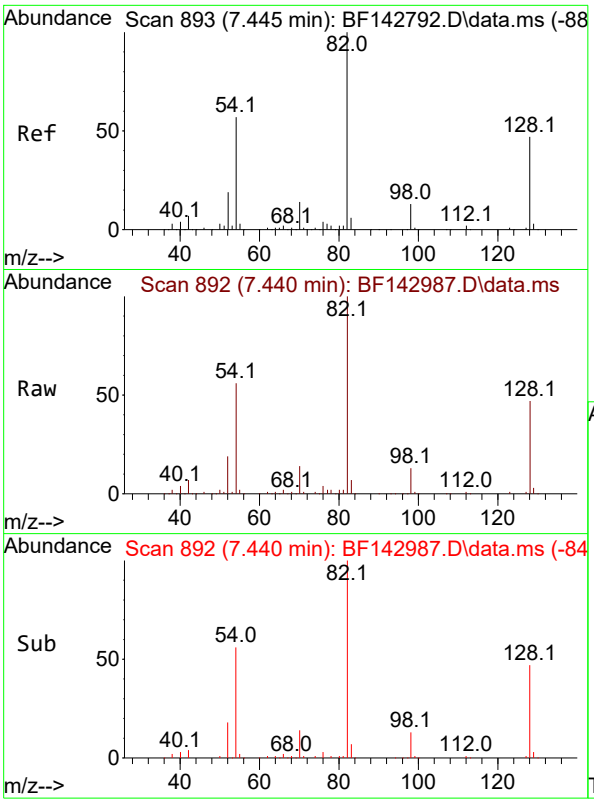


#22
Acetophenone
Concen: 39.417 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:105 Resp: 199714

Ion	Ratio	Lower	Upper
105	100		
71	8.0	6.5	9.7
51	37.2	29.8	44.8
120	22.7	18.2	27.2



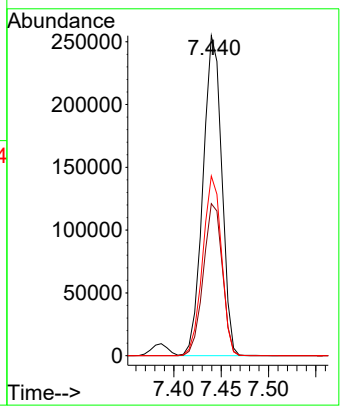


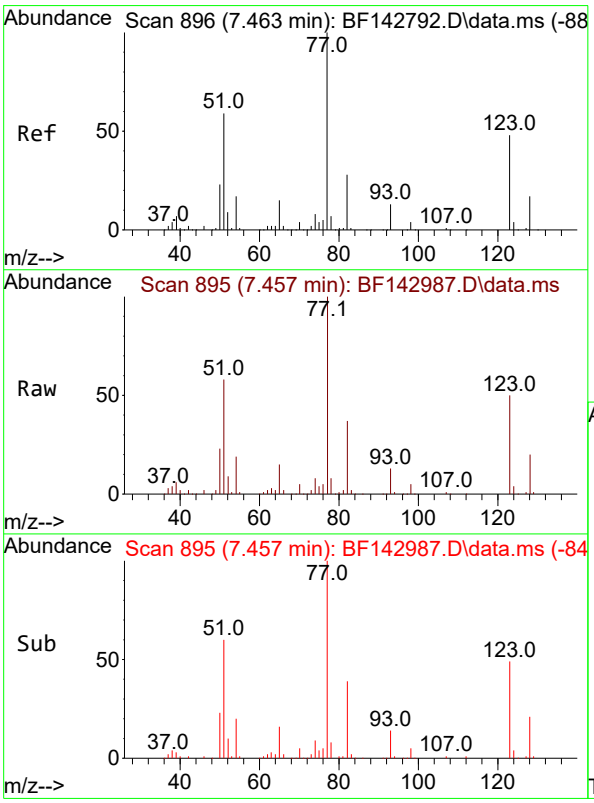
#23
Nitrobenzene-d5
Concen: 84.085 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 352226

Ion	Ratio	Lower	Upper
82	100		
128	47.5	37.7	56.5
54	56.2	45.7	68.5

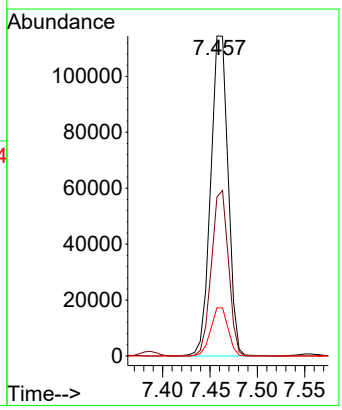


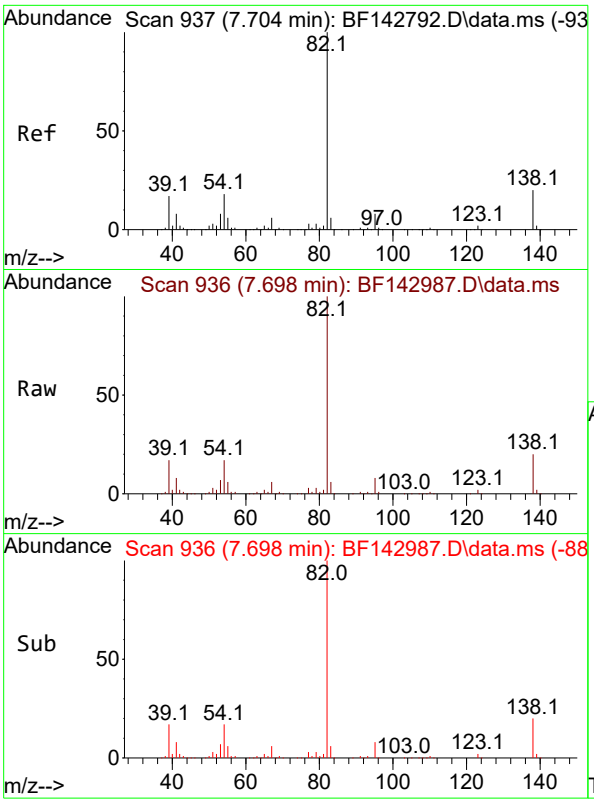


#24
Nitrobenzene
Concen: 38.653 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion: 77 Resp: 146546

Ion	Ratio	Lower	Upper
77	100		
123	49.7	39.2	58.8
65	15.0	11.6	17.4



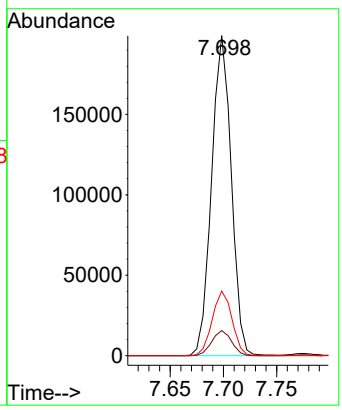


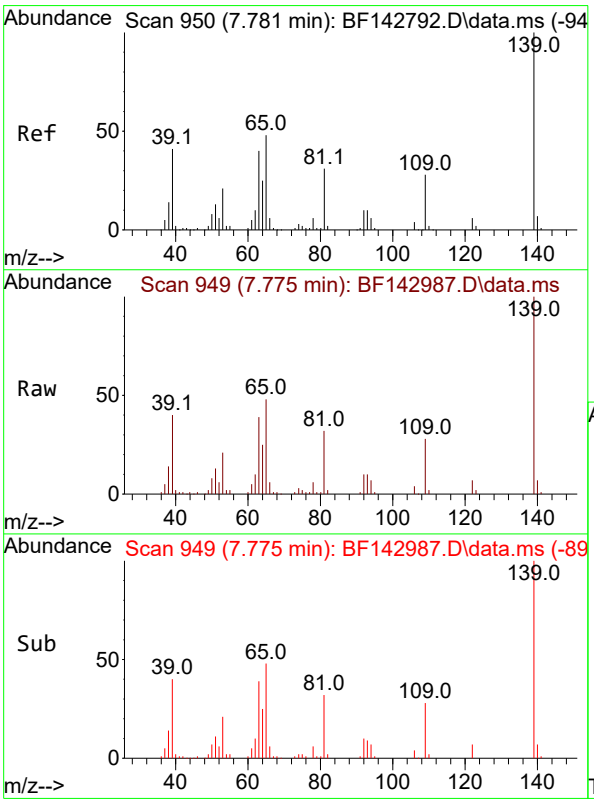
#25
Isophorone
Concen: 38.016 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 255453

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.2	9.2
138	20.2	16.2	24.4

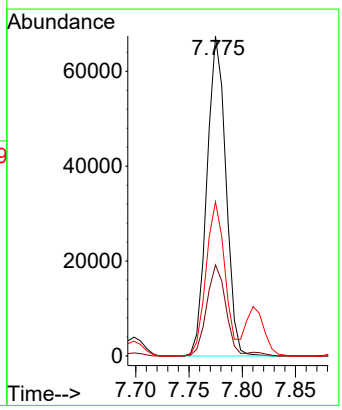


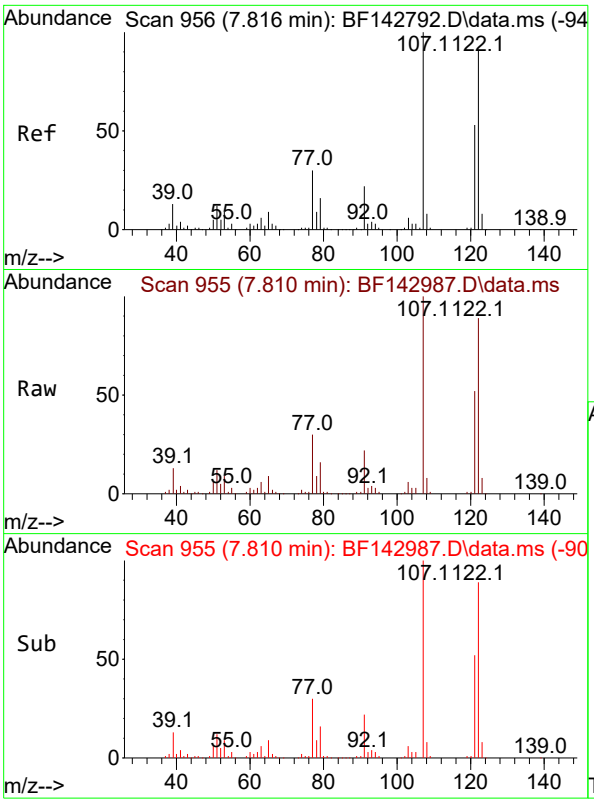


#26
2-Nitrophenol
Concen: 40.290 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:139 Resp: 83211

Ion	Ratio	Lower	Upper
139	100		
109	28.4	22.7	34.1
65	48.1	38.6	58.0



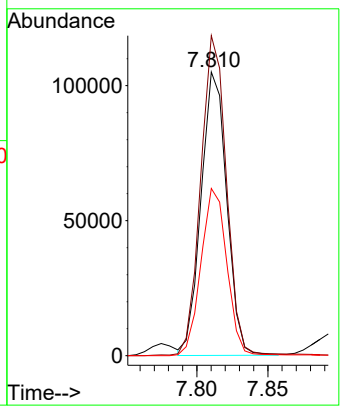


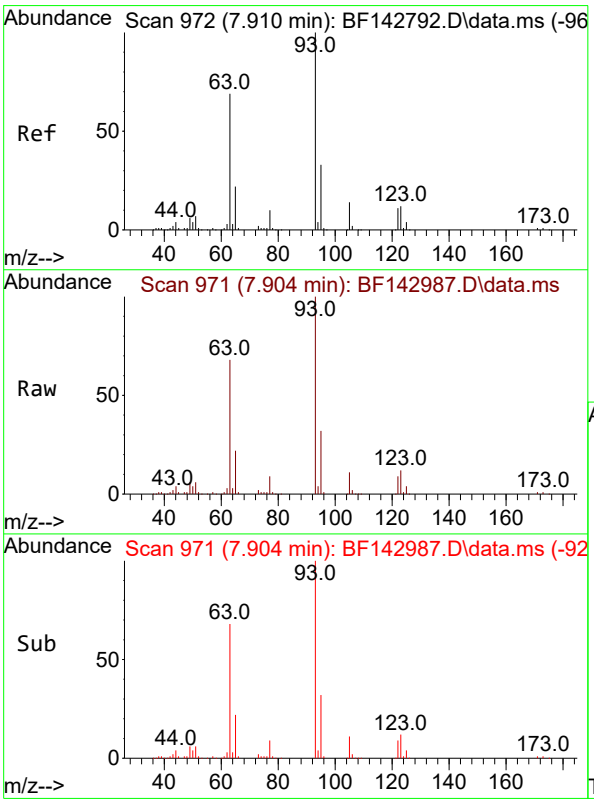
#27
2,4-Dimethylphenol
Concen: 36.981 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 132297

Ion	Ratio	Lower	Upper
122	100		
107	112.8	88.0	132.0
121	58.9	46.3	69.5

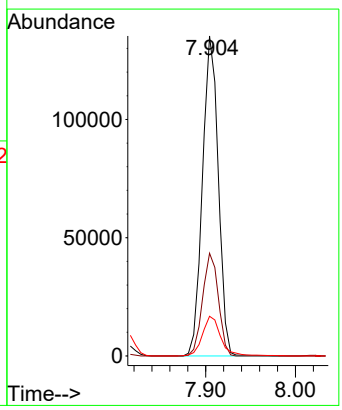


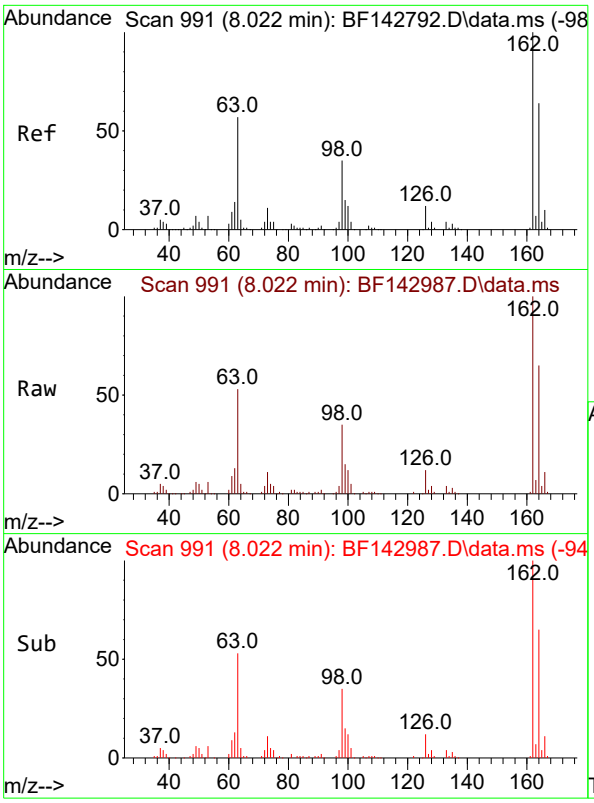


#28
bis(2-Chloroethoxy)methane
Concen: 38.772 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion: 93 Resp: 165636

Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.2	39.2
123	12.4	9.9	14.9



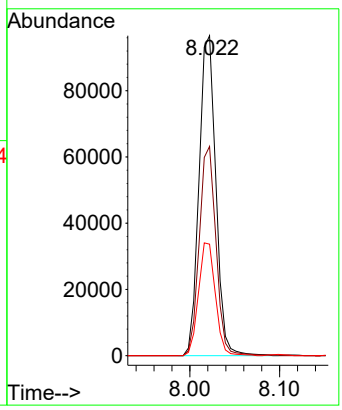


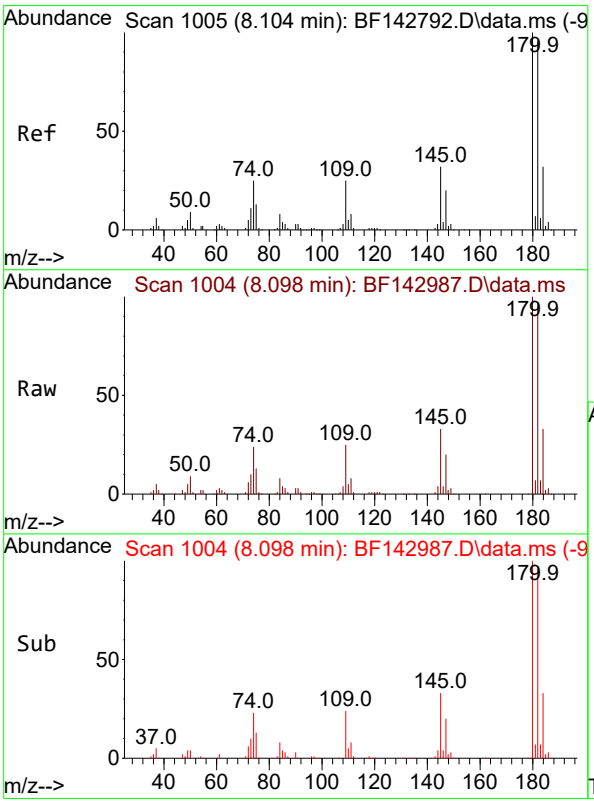
#29
2,4-Dichlorophenol
Concen: 38.871 ng
RT: 8.022 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 126088

Ion	Ratio	Lower	Upper
162	100		
164	65.4	44.0	84.0
98	34.9	15.4	55.4

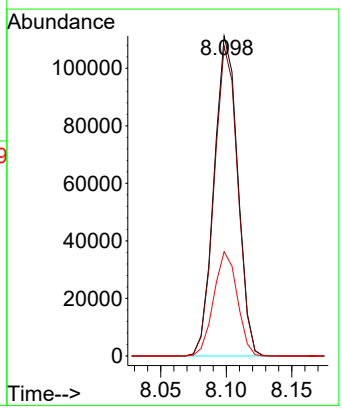


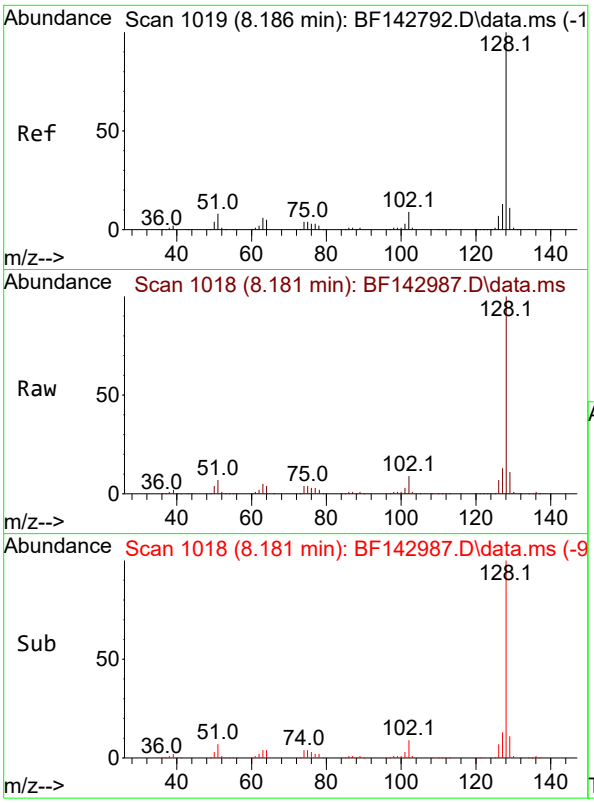


#30
1,2,4-Trichlorobenzene
Concen: 38.968 ng
RT: 8.098 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:180 Resp: 138995

Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.4	114.6
145	32.6	25.8	38.8



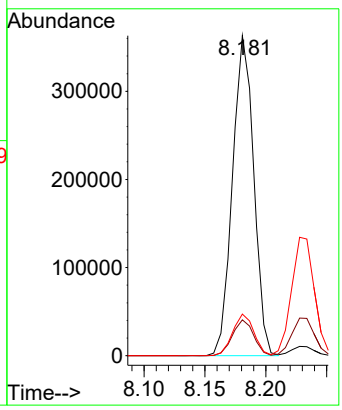


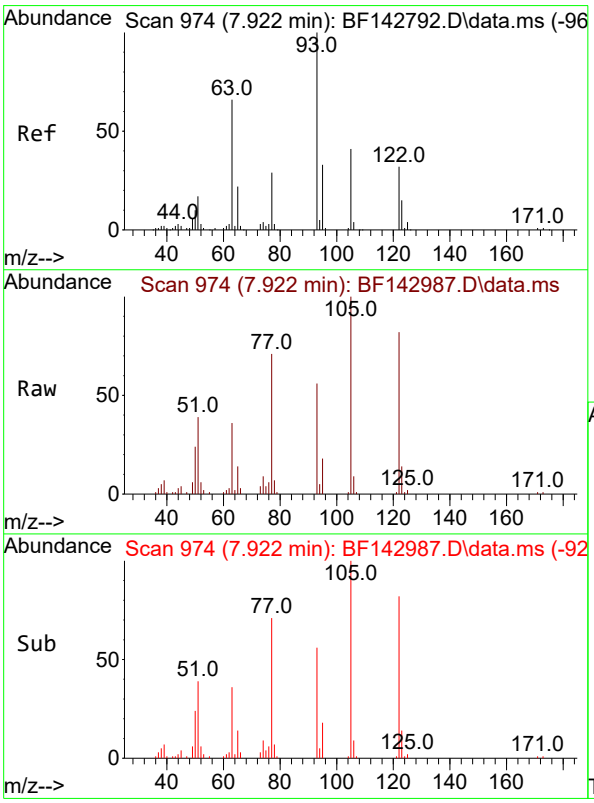
#31
Naphthalene
Concen: 39.221 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 441104

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.0	10.4	15.6

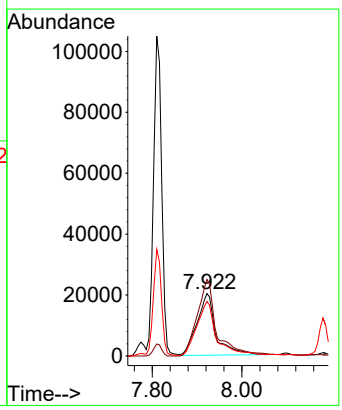


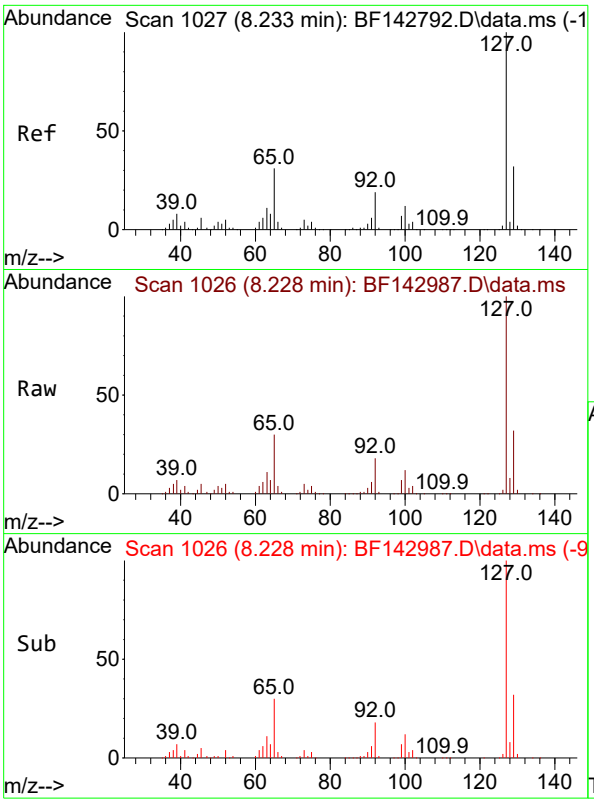


#32
Benzoic acid
Concen: 32.577 ng
RT: 7.922 min Scan# 974
Delta R.T. 0.000 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:122 Resp: 59400

Ion	Ratio	Lower	Upper
122	100		
105	122.4	104.7	144.7
77	87.3	70.2	110.2



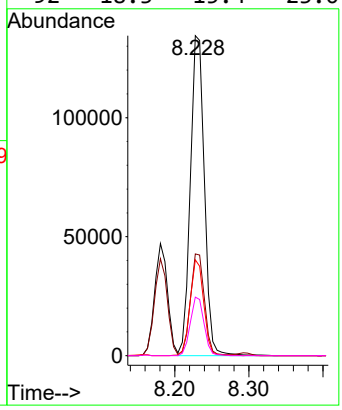


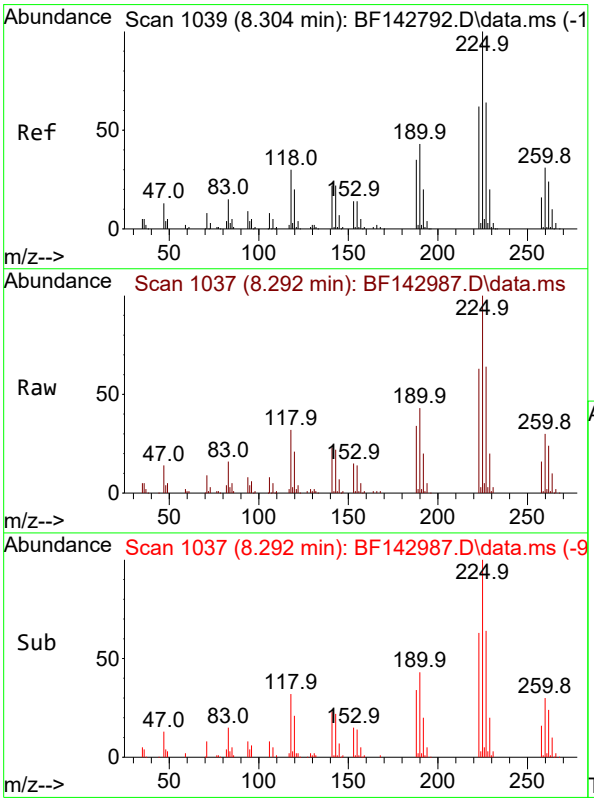
#33
4-Chloroaniline
Concen: 38.745 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 177185

Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.9	38.9
65	30.0	24.6	36.8
92	18.3	15.4	23.0

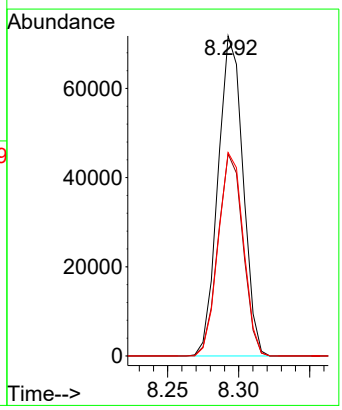


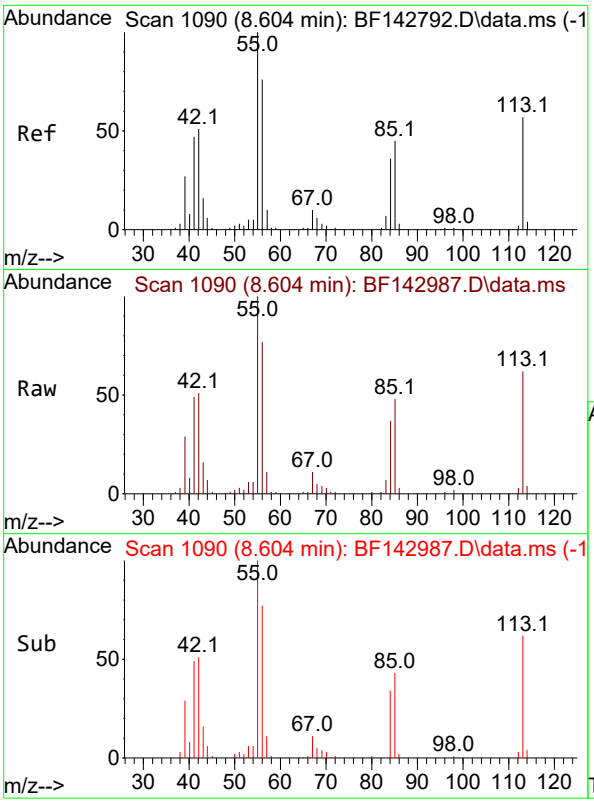


#34
Hexachlorobutadiene
Concen: 40.255 ng
RT: 8.292 min Scan# 1037
Delta R.T. -0.012 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:225 Resp: 87828

Ion	Ratio	Lower	Upper
225	100		
223	63.2	49.9	74.9
227	63.5	51.4	77.0



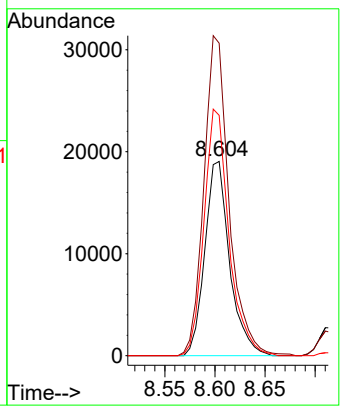


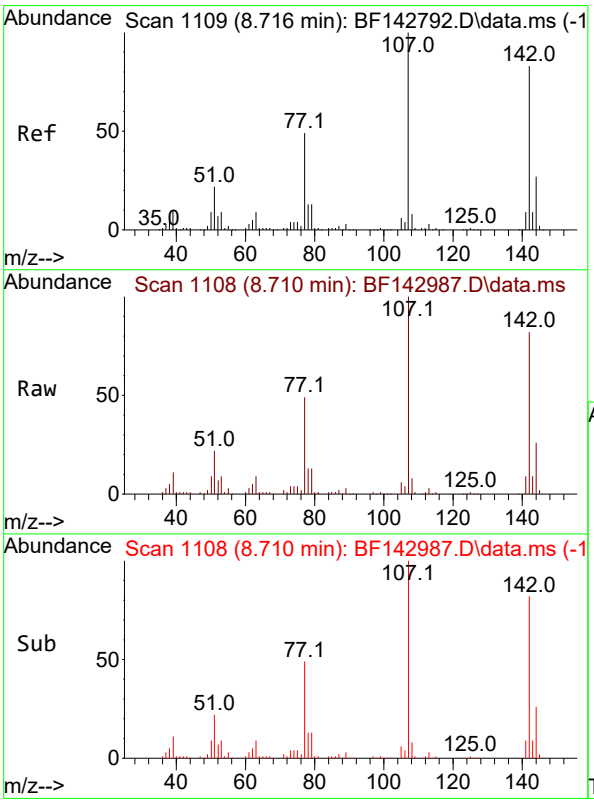
#35
Caprolactam
Concen: 38.365 ng
RT: 8.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 32839

Ion	Ratio	Lower	Upper
113	100		
55	160.8	154.4	194.4
56	123.7	112.1	152.1

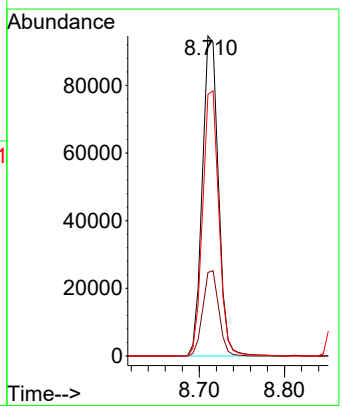


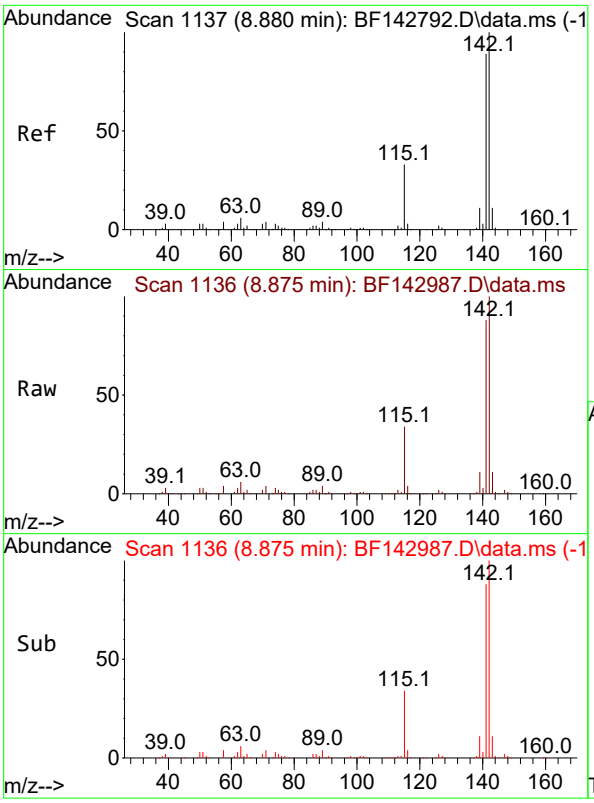


#36
4-Chloro-3-methylphenol
Concen: 38.469 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:107 Resp: 124017

Ion	Ratio	Lower	Upper
107	100		
144	26.1	21.3	31.9
142	81.8	66.6	100.0



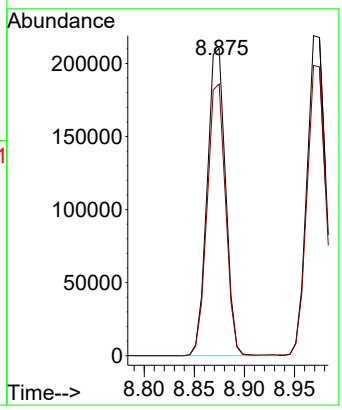


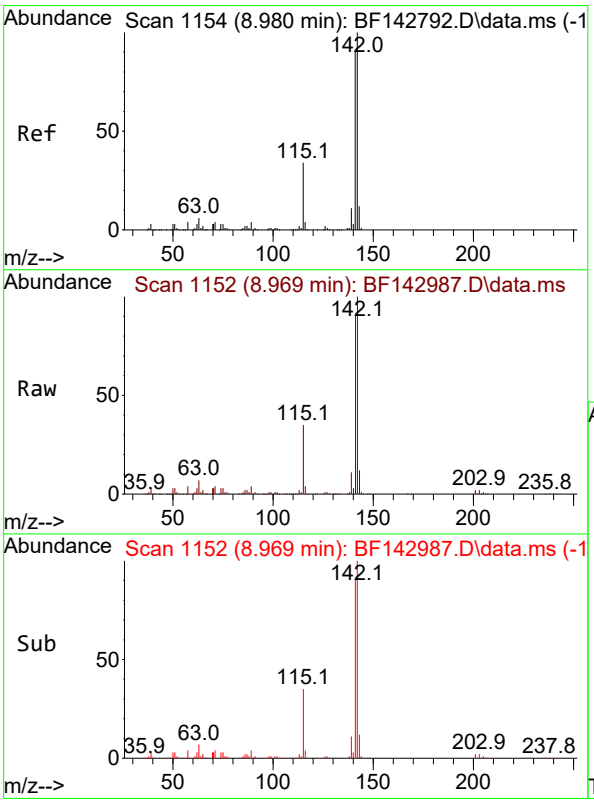
#37
2-Methylnaphthalene
Concen: 38.568 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 268912

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.9	106.3

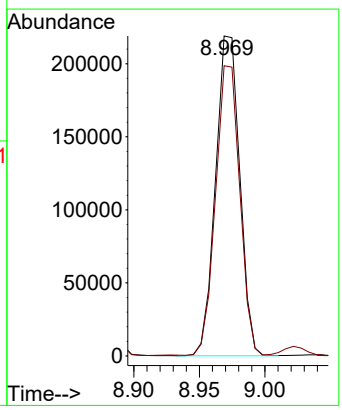


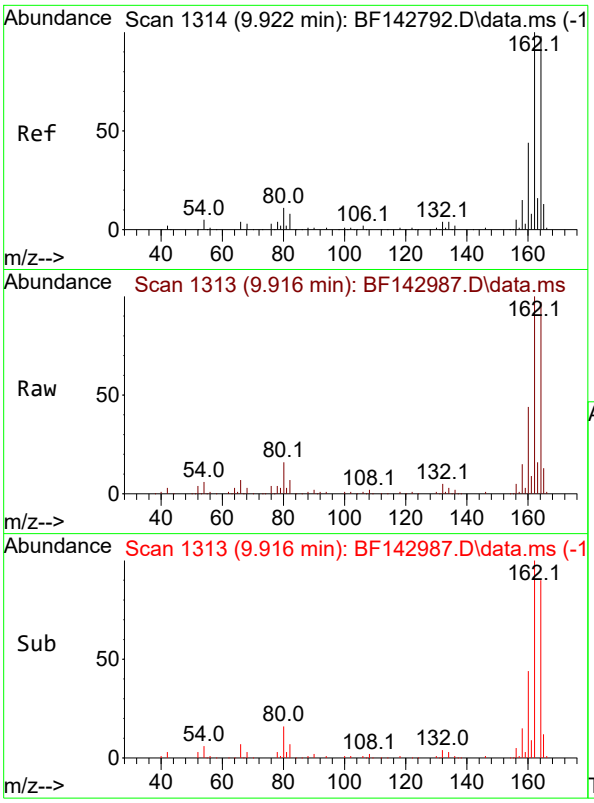


#38
1-Methylnaphthalene
Concen: 38.914 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.012 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:142 Resp: 280877

Ion	Ratio	Lower	Upper
142	100		
141	90.7	73.0	109.4



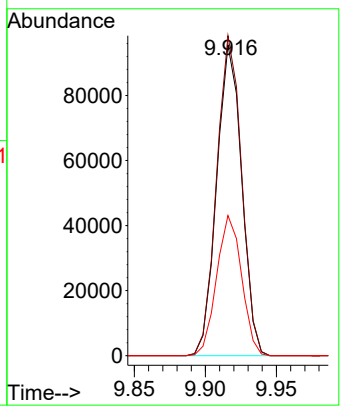


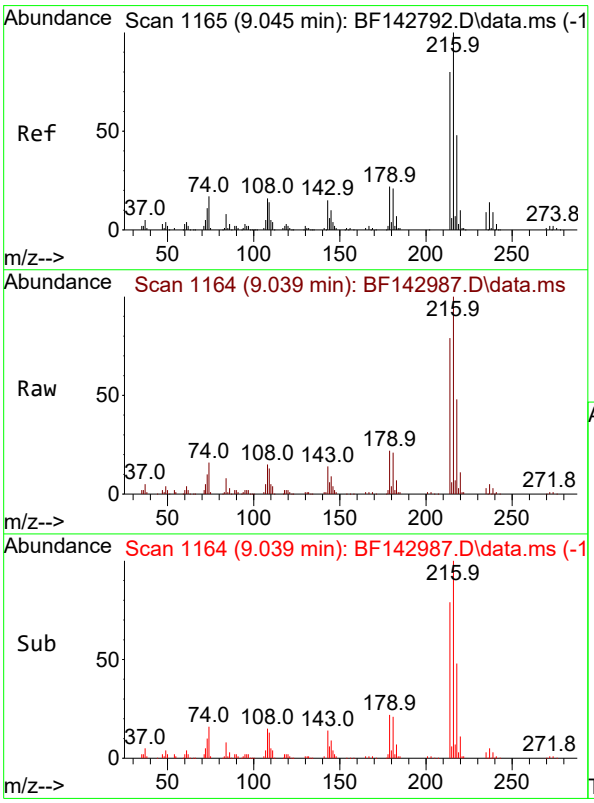
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 116751

Ion	Ratio	Lower	Upper
164	100		
162	103.0	81.8	122.8
160	45.1	36.0	54.0

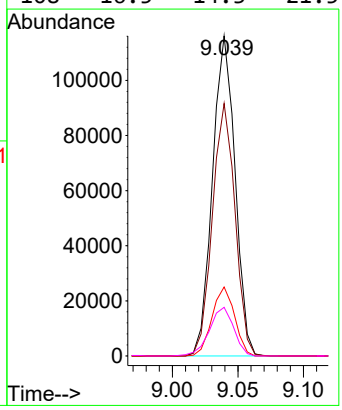


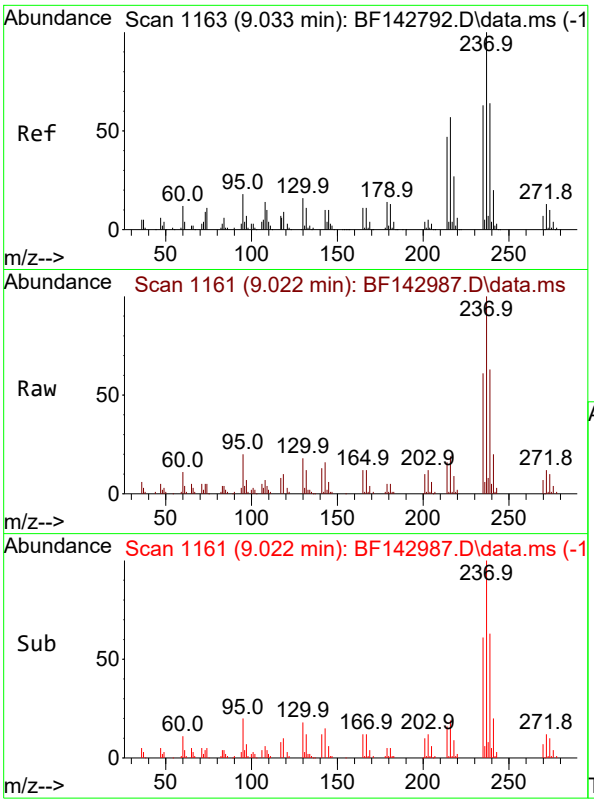


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.279 ng
RT: 9.039 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:216 Resp: 138759

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.7	95.5
179	21.6	17.6	26.4
108	16.5	14.3	21.5



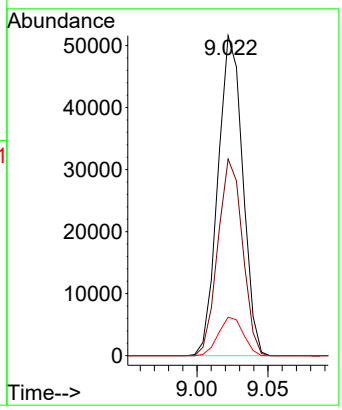


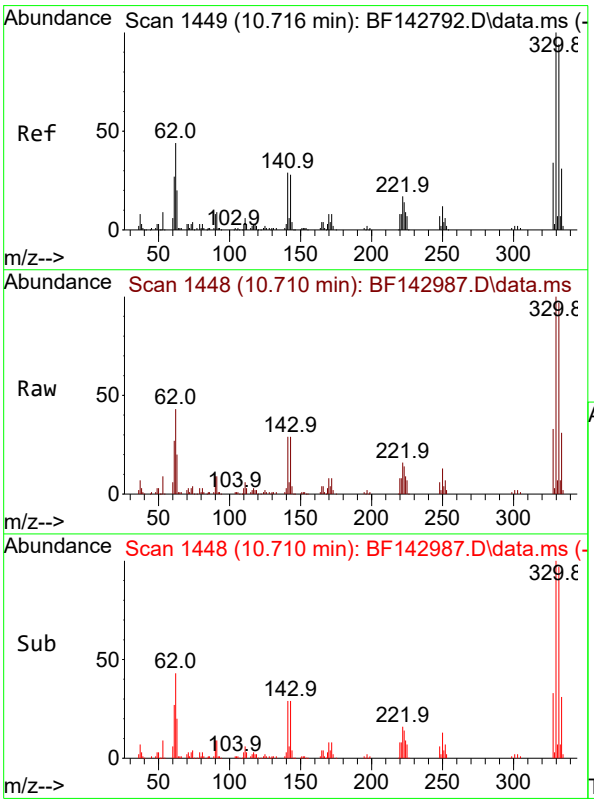
#41
Hexachlorocyclopentadiene
Concen: 31.960 ng
RT: 9.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 62479

Ion	Ratio	Lower	Upper
237	100		
235	61.5	43.4	83.4
272	12.1	0.0	32.7

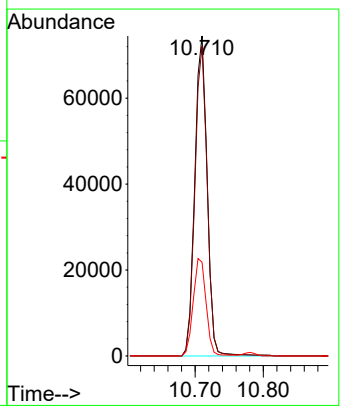


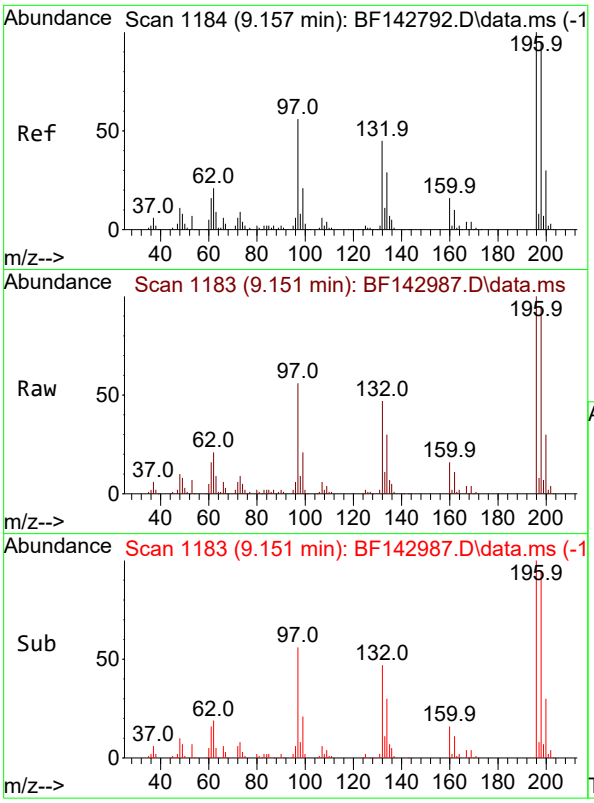


#42
2,4,6-Tribromophenol
Concen: 77.722 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:330 Resp: 93379

Ion	Ratio	Lower	Upper
330	100		
332	96.3	75.0	112.6
141	31.6	25.3	37.9



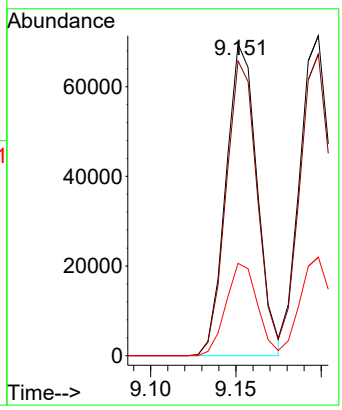


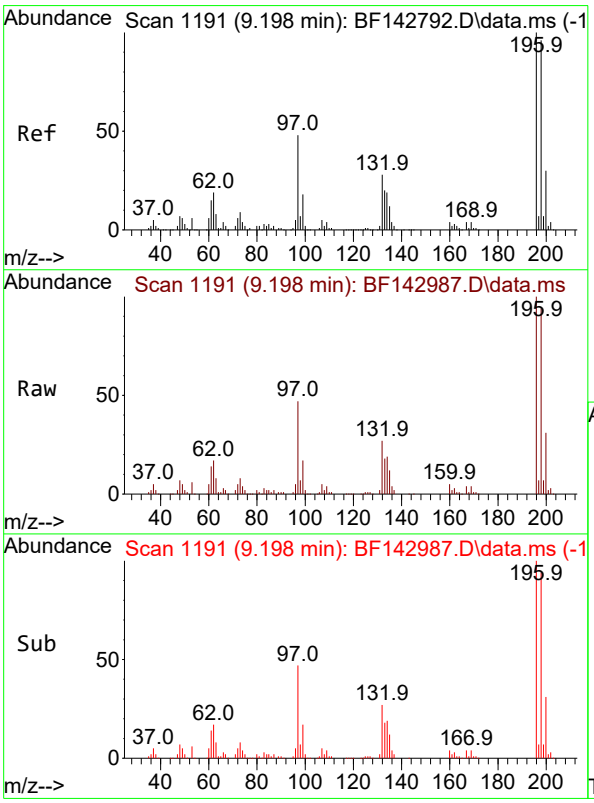
#43
2,4,6-Trichlorophenol
Concen: 39.395 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 88434

Ion	Ratio	Lower	Upper
196	100		
198	94.5	76.2	114.2
200	29.6	24.1	36.1

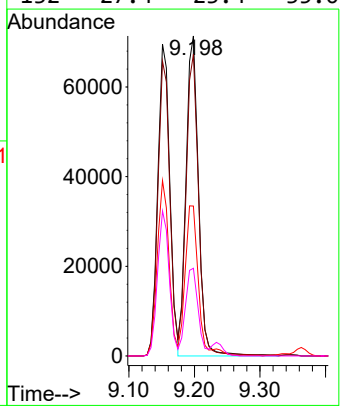


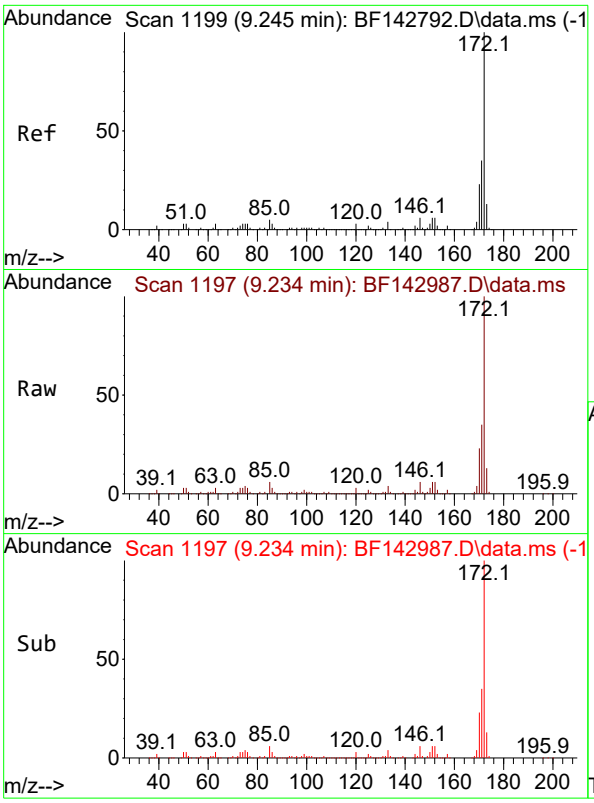


#44
2,4,5-Trichlorophenol
Concen: 39.952 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:196 Resp: 94408

Ion	Ratio	Lower	Upper
196	100		
198	94.2	76.6	115.0
97	46.9	38.2	57.2
132	27.4	23.4	35.0



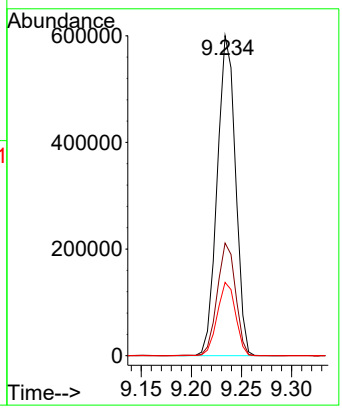


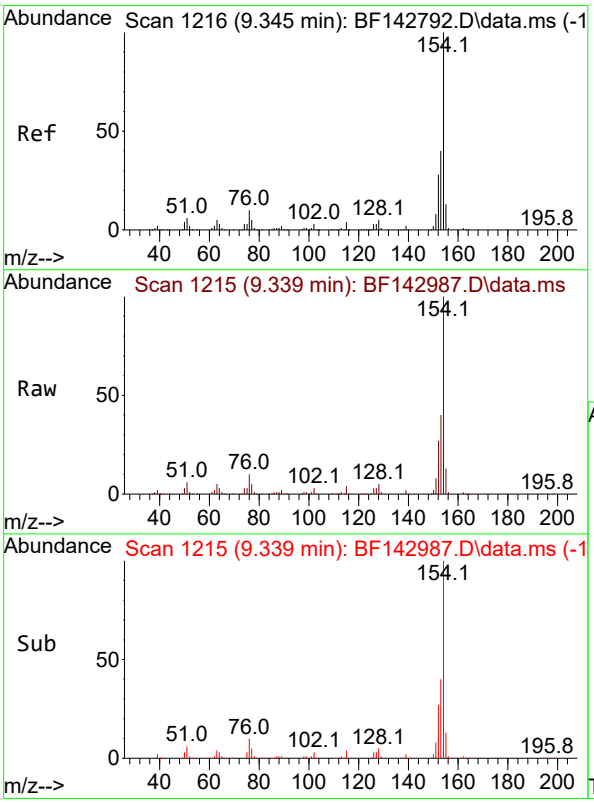
#45
2-Fluorobiphenyl
Concen: 85.464 ng
RT: 9.234 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 759551

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.4
170	22.9	18.5	27.7

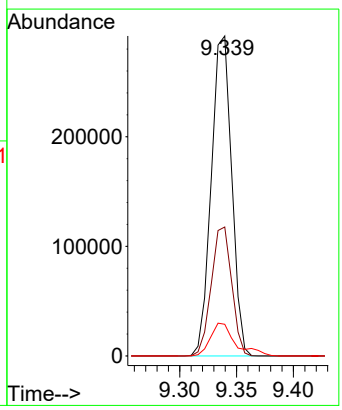


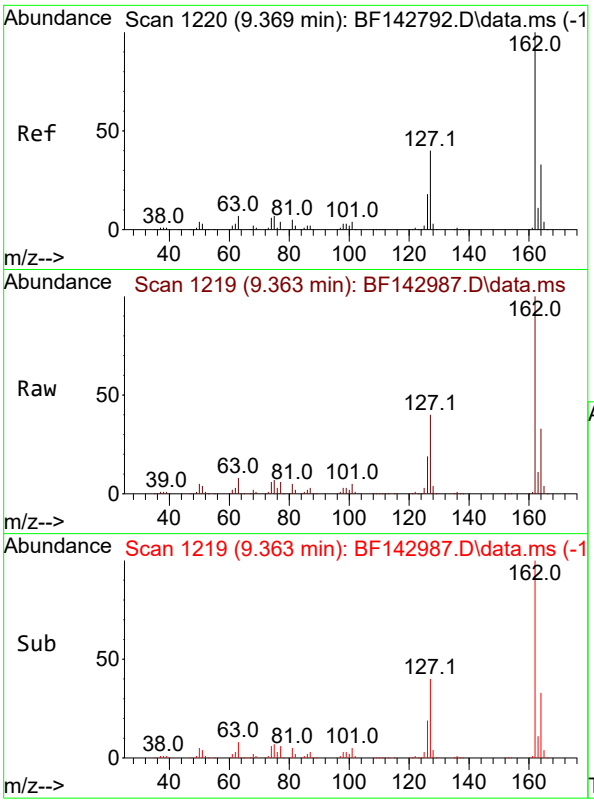


#46
1,1'-Biphenyl
Concen: 39.652 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:154 Resp: 365699

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.3	60.3
76	9.9	0.0	30.3



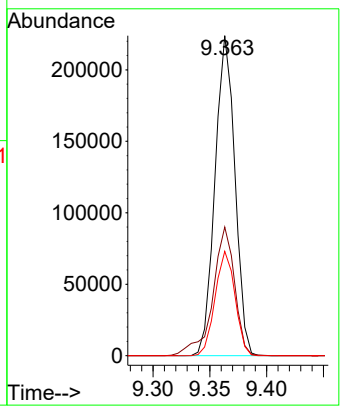


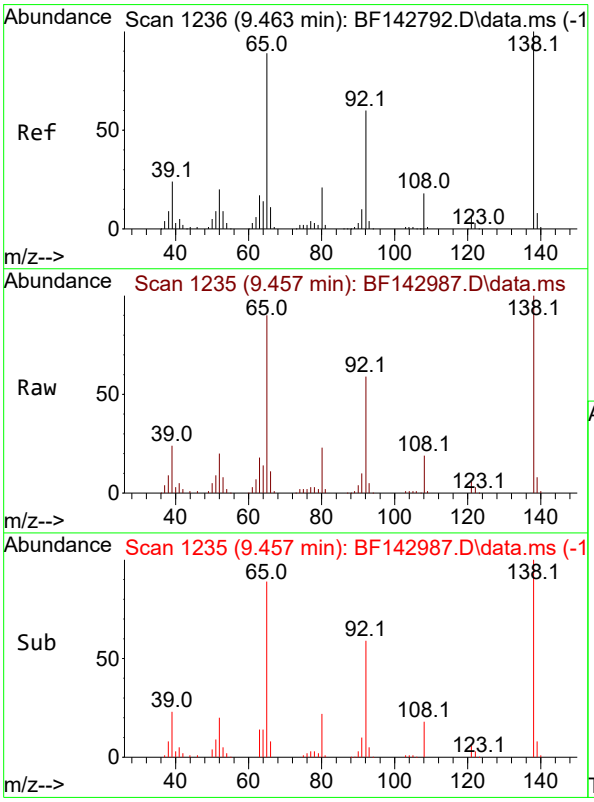
#47
2-Chloronaphthalene
Concen: 39.486 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 273280

Ion	Ratio	Lower	Upper
162	100		
127	40.2	32.2	48.2
164	32.6	26.1	39.1

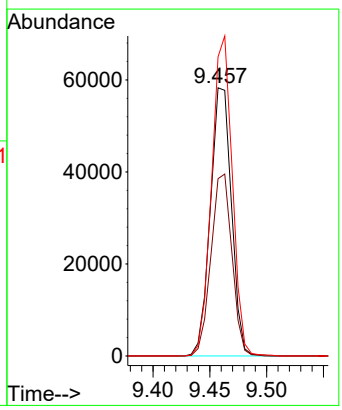


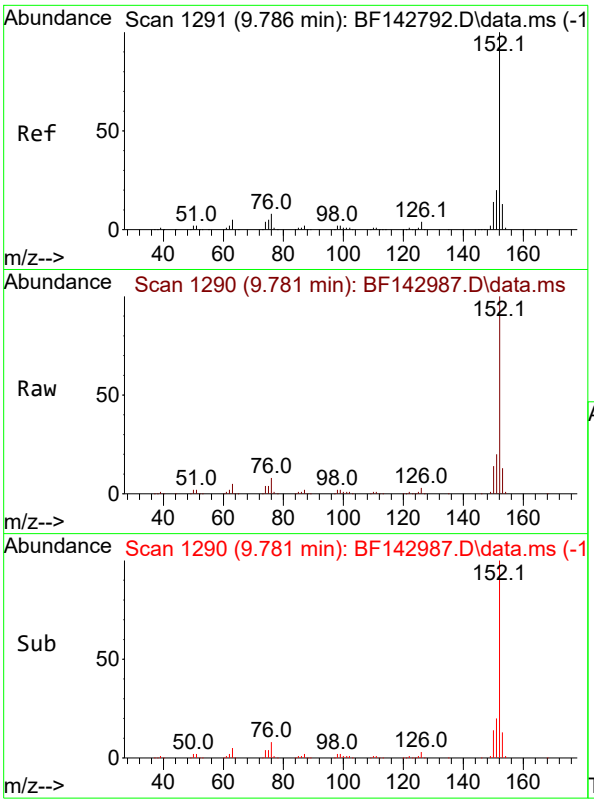


#48
2-Nitroaniline
Concen: 38.861 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion: 65 Resp: 75404

Ion	Ratio	Lower	Upper
65	100		
92	66.1	53.8	80.6
138	111.5	89.6	134.4



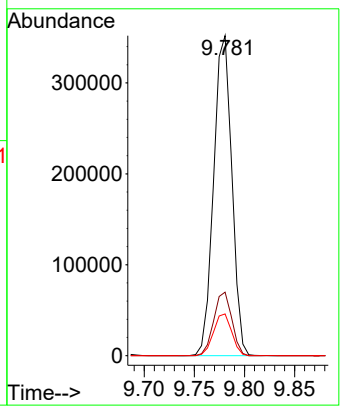


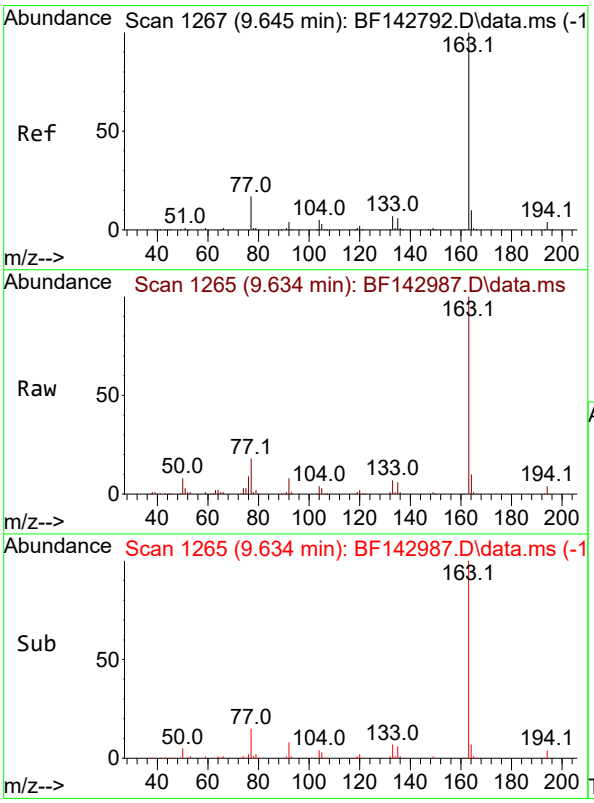
#49
Acenaphthylene
Concen: 38.927 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 443510

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.1	24.1
153	13.0	10.4	15.6

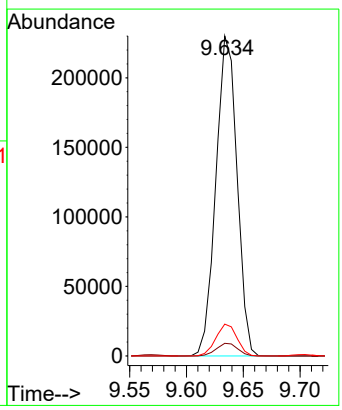


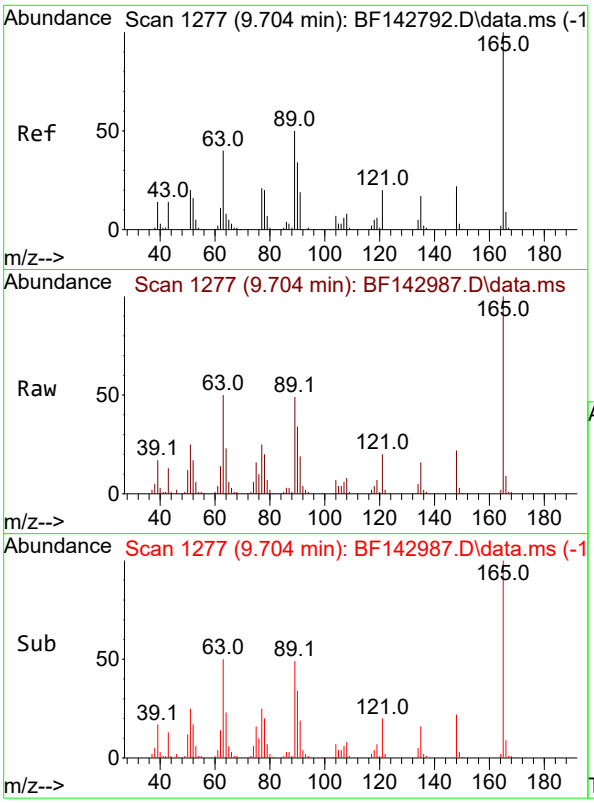


#50
Dimethylphthalate
Concen: 39.472 ng
RT: 9.634 min Scan# 1265
Delta R.T. -0.012 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:163 Resp: 298300

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.0	8.0	12.0



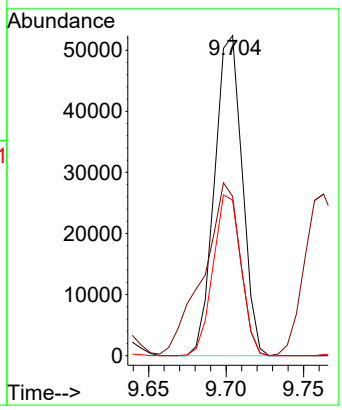


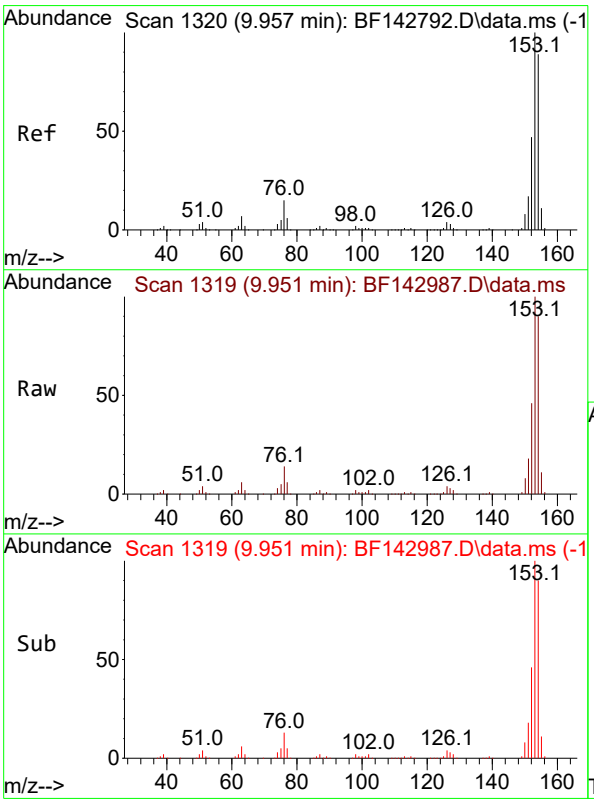
#51
2,6-Dinitrotoluene
Concen: 39.133 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 64947

Ion	Ratio	Lower	Upper
165	100		
63	49.8	44.2	66.4
89	48.6	39.8	59.8

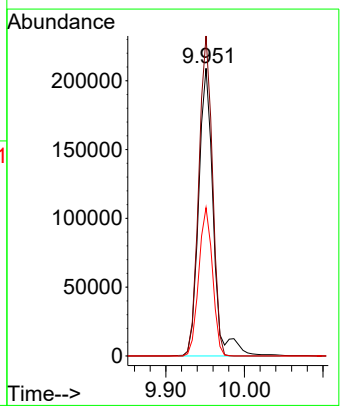


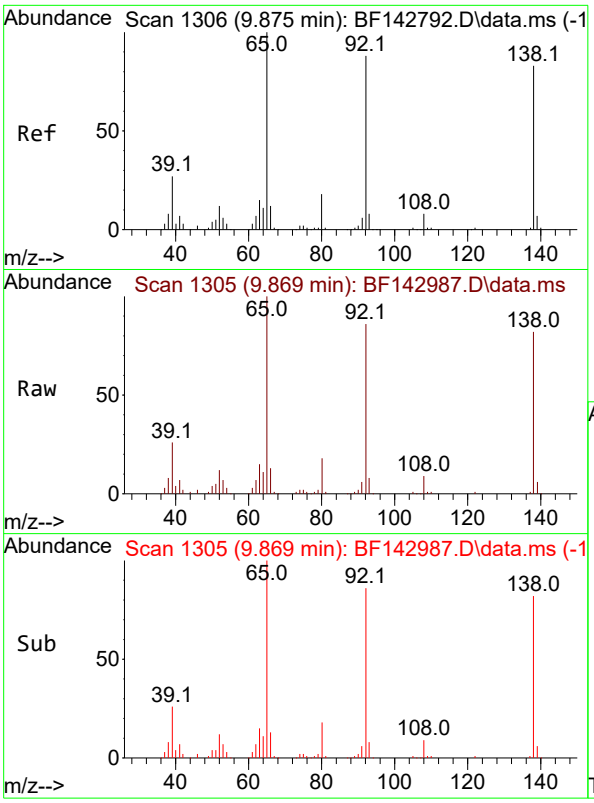


#52
Acenaphthene
Concen: 39.375 ng m
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:154 Resp: 273709

Ion	Ratio	Lower	Upper
154	100		
153	111.2	90.0	135.0
152	51.6	41.9	62.9



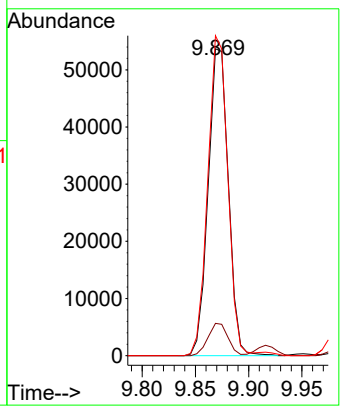


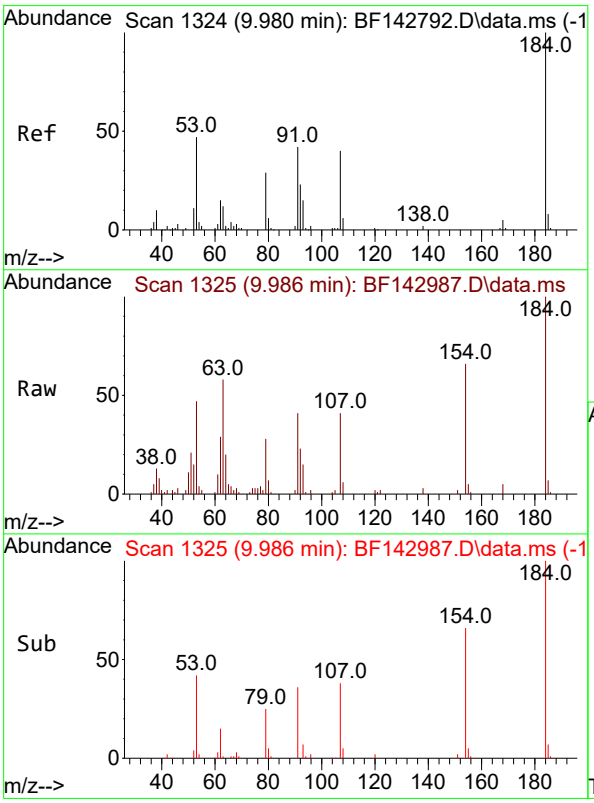
#53
3-Nitroaniline
Concen: 38.765 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 70835

Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.1	12.1
92	104.3	85.1	127.7

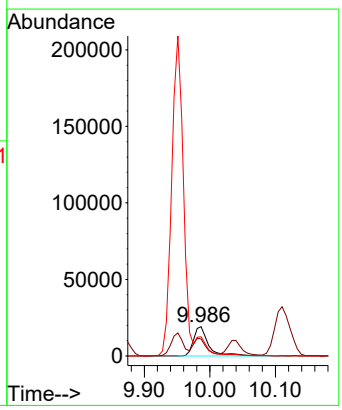


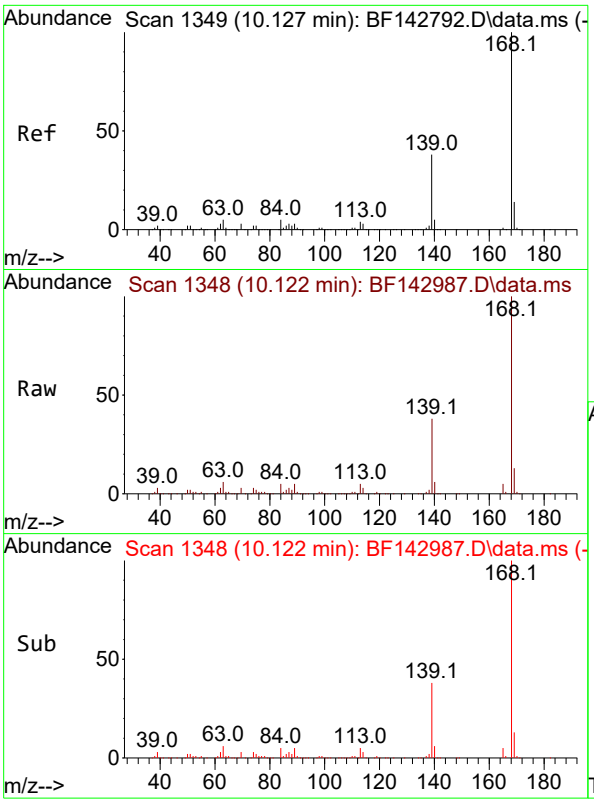


#54
2,4-Dinitrophenol
Concen: 36.773 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:184 Resp: 30559

Ion	Ratio	Lower	Upper
184	100		
63	58.2	50.6	75.8
154	65.6	51.8	77.8



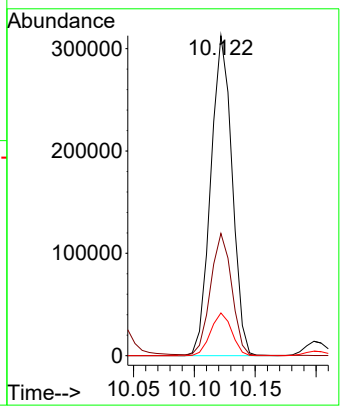


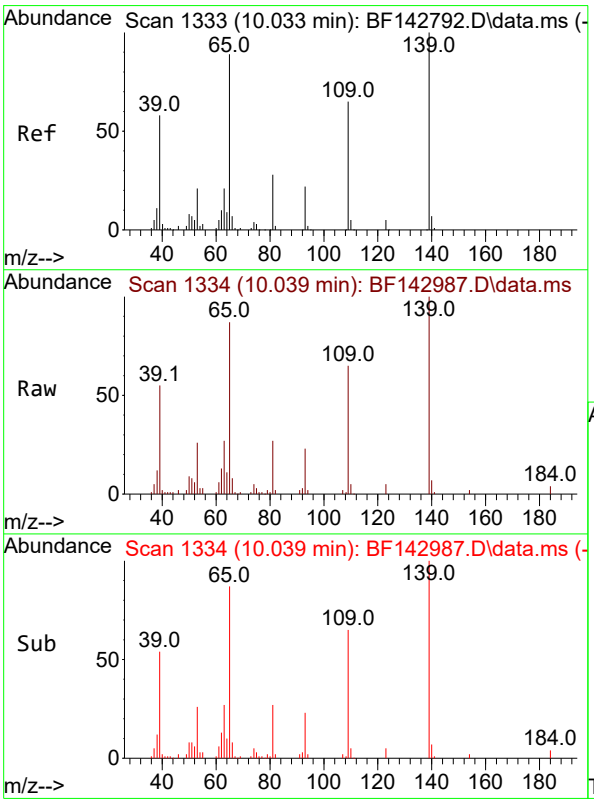
#55
Dibenzofuran
Concen: 38.246 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 381239

Ion	Ratio	Lower	Upper
168	100		
139	38.2	30.2	45.4
169	13.4	10.8	16.2

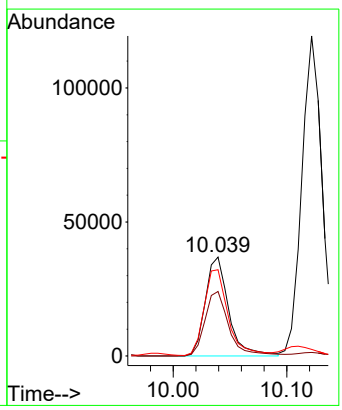


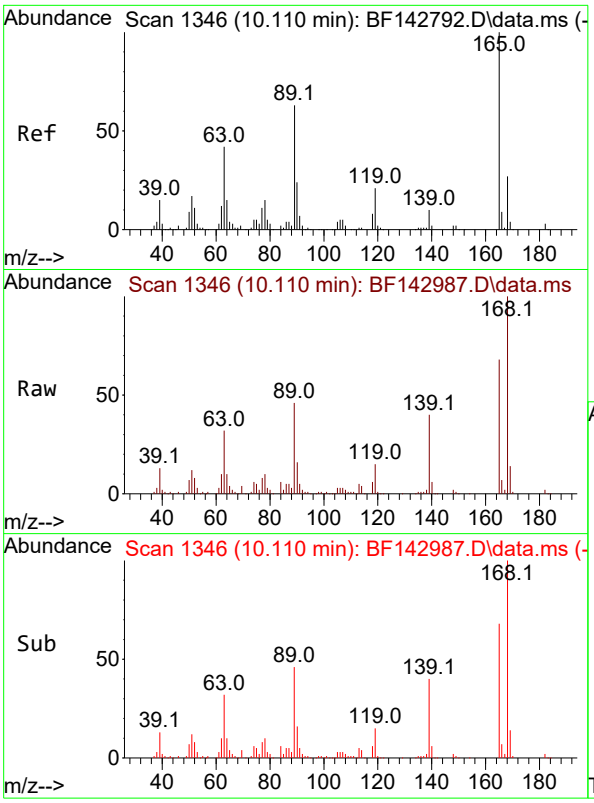


#56
4-Nitrophenol
Concen: 42.156 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:139 Resp: 52736

Ion	Ratio	Lower	Upper
139	100		
109	65.2	44.7	84.7
65	87.2	69.8	109.8



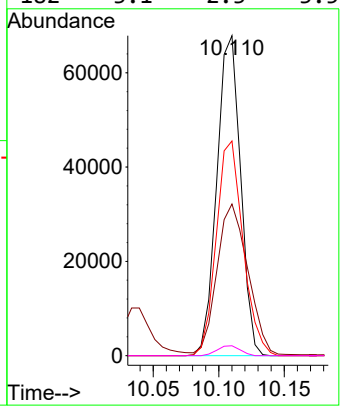


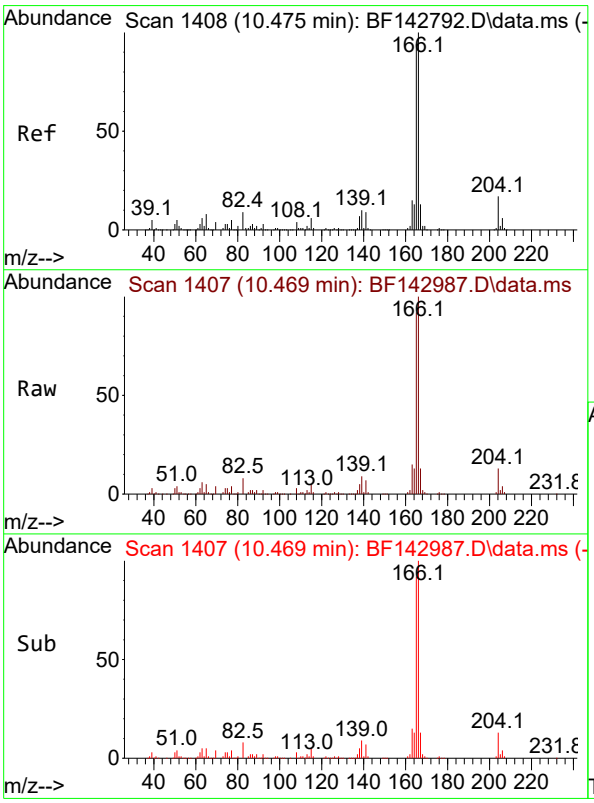
#57
2,4-Dinitrotoluene
Concen: 38.668 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 85245

Ion	Ratio	Lower	Upper
165	100		
63	47.4	33.9	50.9
89	67.1	50.6	75.8
182	3.1	2.3	3.5

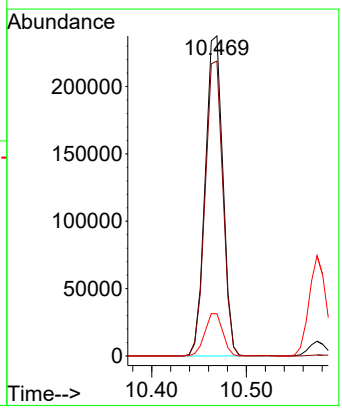


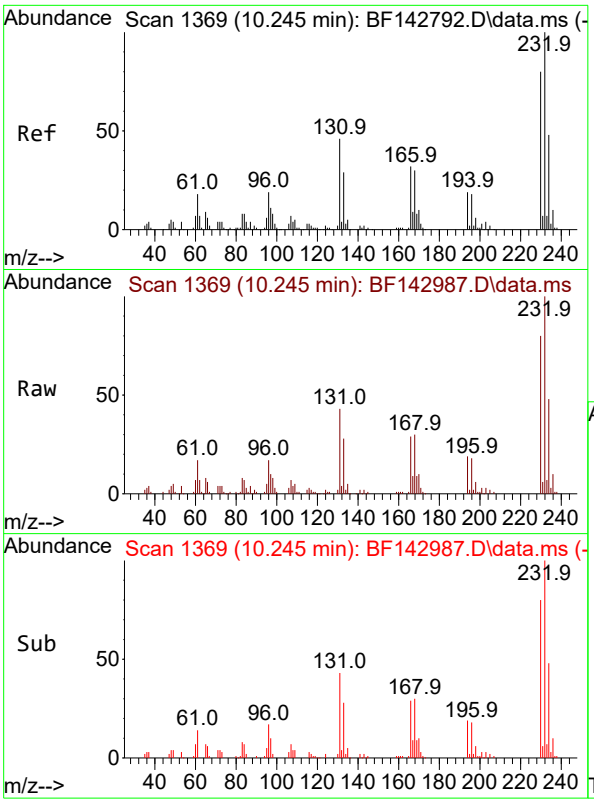


#58
Fluorene
Concen: 39.535 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:166 Resp: 307774

Ion	Ratio	Lower	Upper
166	100		
165	92.2	75.2	112.8
167	13.2	10.6	15.8



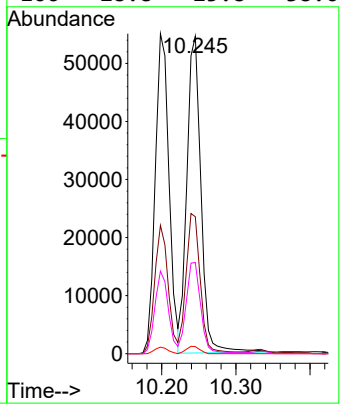


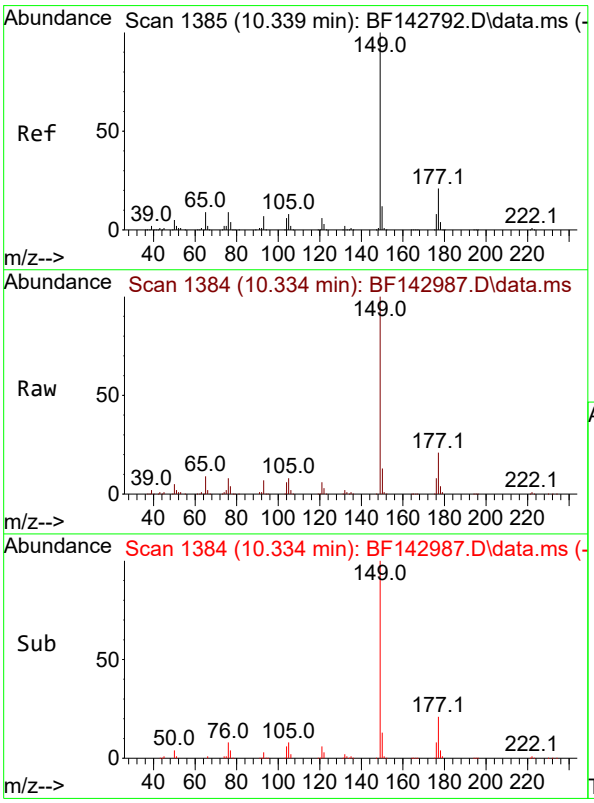
#59
2,3,4,6-Tetrachlorophenol
Concen: 38.026 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 72431

Ion	Ratio	Lower	Upper
232	100		
131	44.3	37.6	56.4
130	2.2	1.7	2.5
166	28.8	25.8	38.6

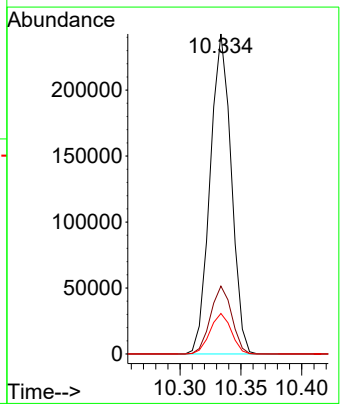


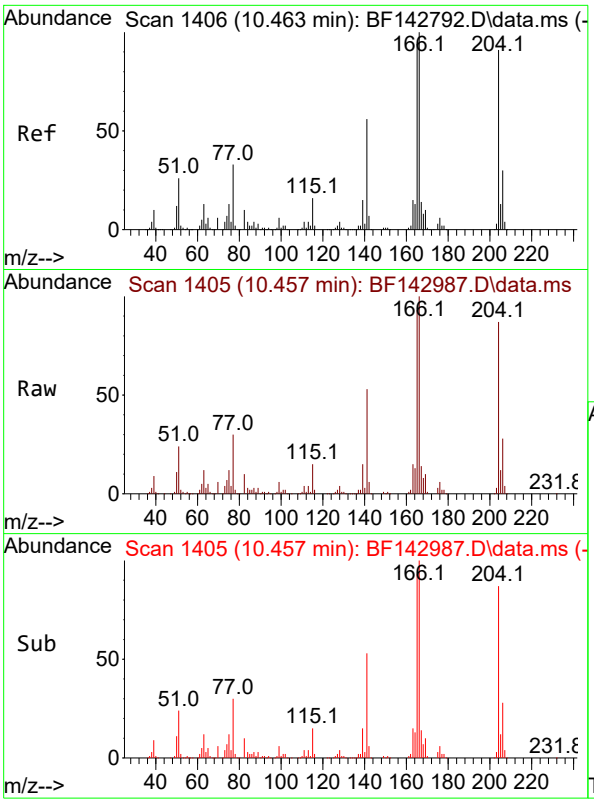


#60
Diethylphthalate
Concen: 39.592 ng
RT: 10.334 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:149 Resp: 293374

Ion	Ratio	Lower	Upper
149	100		
177	21.2	17.0	25.6
150	12.7	9.8	14.6



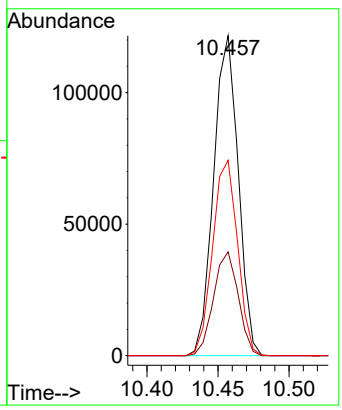


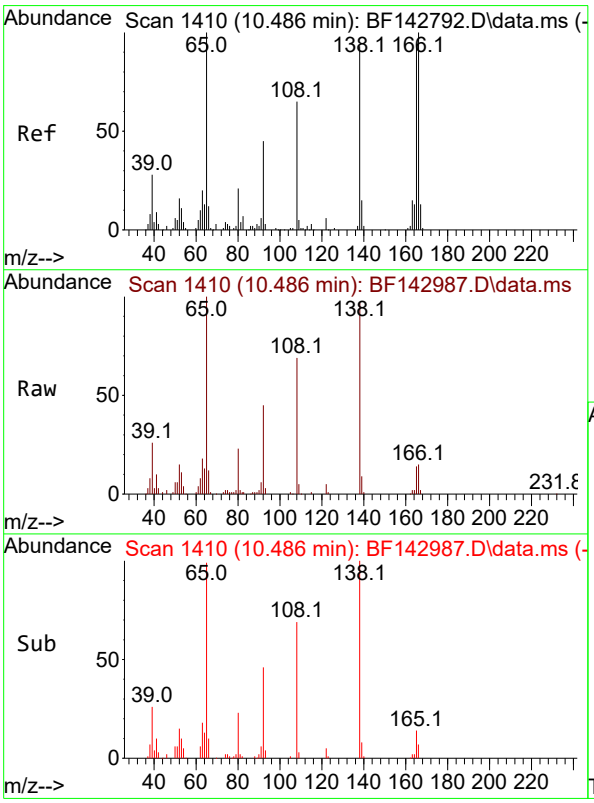
#61
4-Chlorophenyl-phenylether
Concen: 39.414 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 146416

Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.3	39.5
141	61.1	49.1	73.7

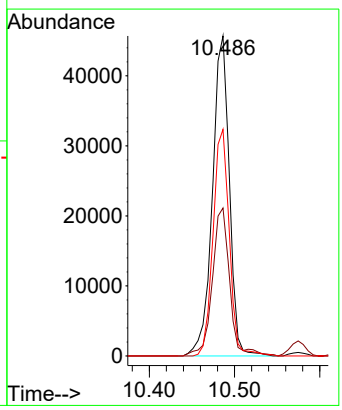


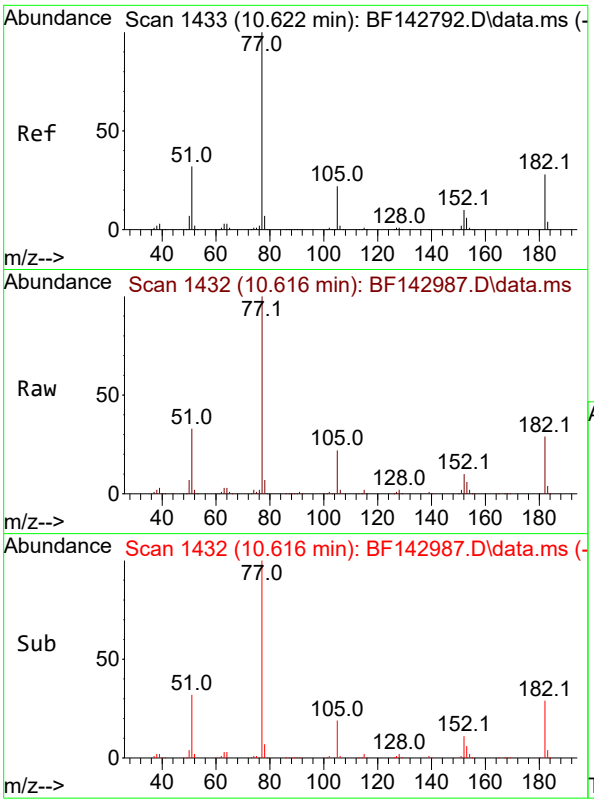


#62
4-Nitroaniline
Concen: 37.809 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:138 Resp: 63187

Ion	Ratio	Lower	Upper
138	100		
92	46.2	28.4	68.4
108	70.8	50.2	90.2



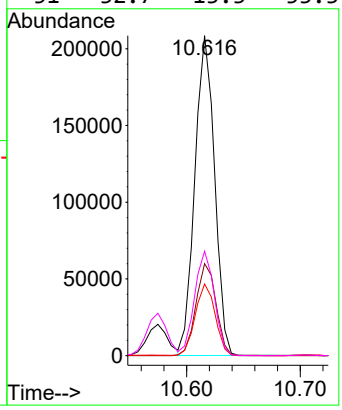


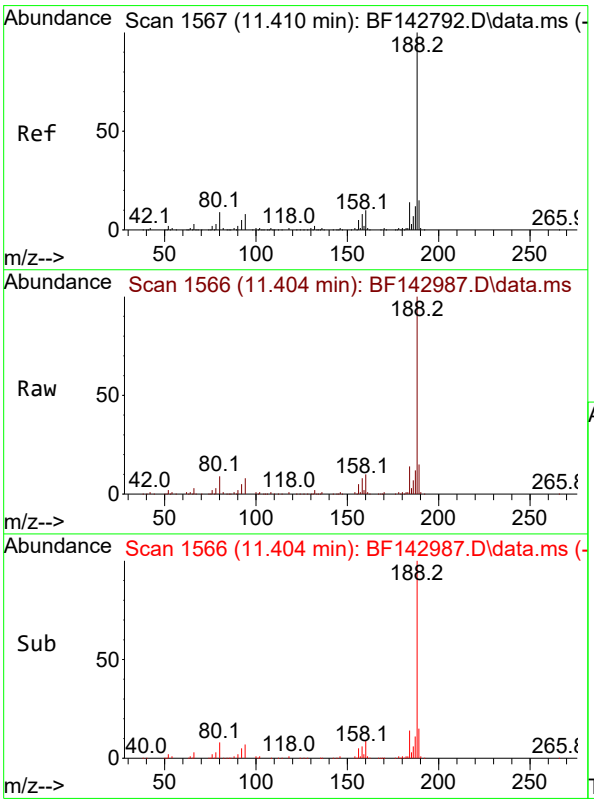
#63
Azobenzene
Concen: 37.889 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 250925

Ion	Ratio	Lower	Upper
77	100		
182	28.8	7.7	47.7
105	22.4	1.9	41.9
51	32.7	13.3	53.3

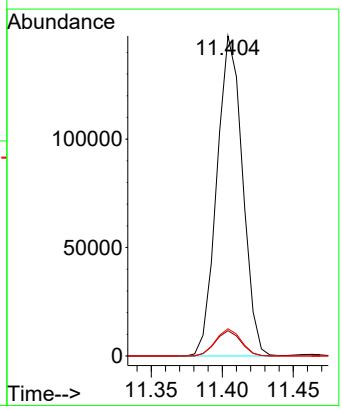


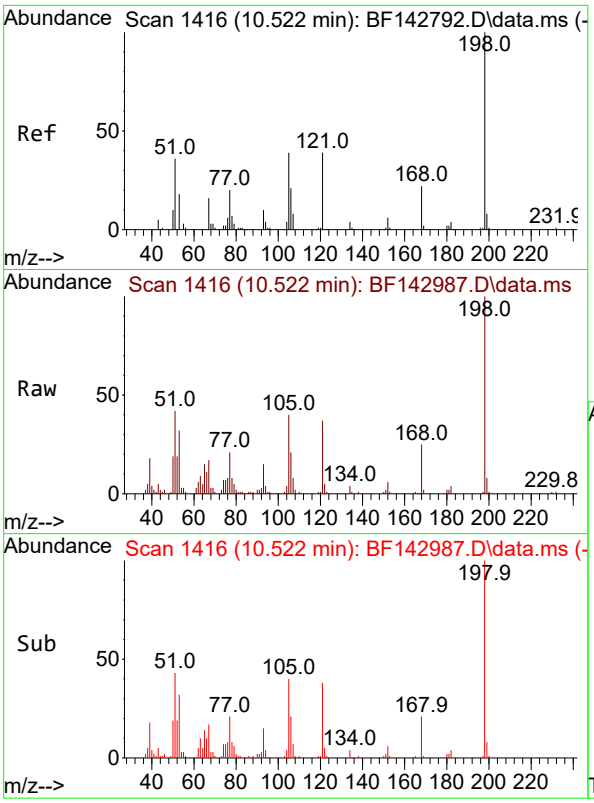


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:188 Resp: 185461

Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.7	10.1
80	8.5	6.9	10.3



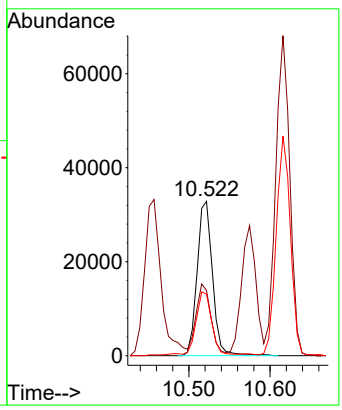


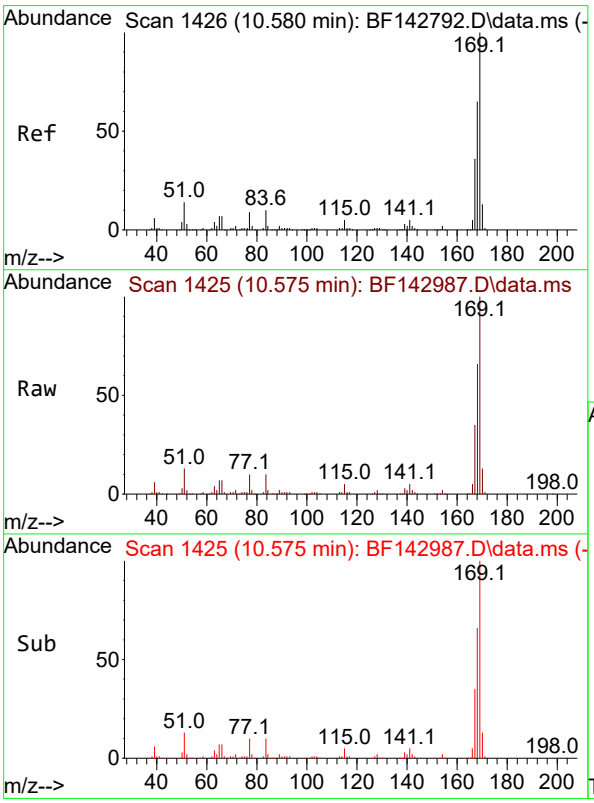
#65
4,6-Dinitro-2-methylphenol
Concen: 38.620 ng
RT: 10.522 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 43324

Ion	Ratio	Lower	Upper
198	100		
51	42.3	25.4	65.4
105	39.9	20.4	60.4

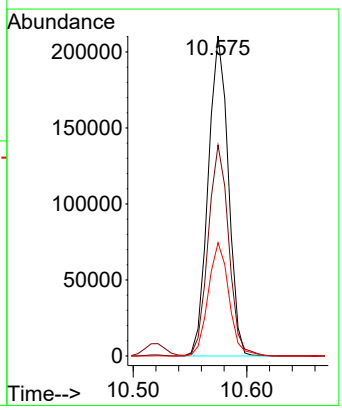


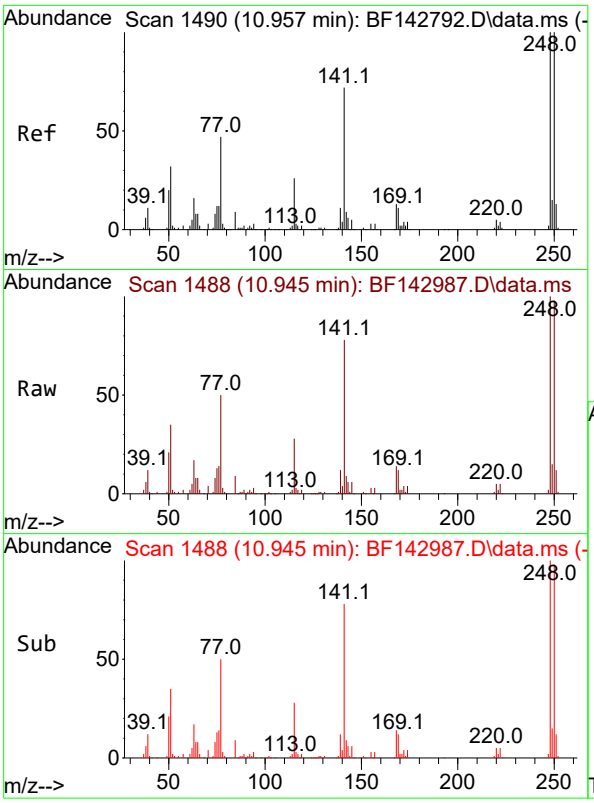


#66
n-Nitrosodiphenylamine
Concen: 40.136 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:169 Resp: 257976

Ion	Ratio	Lower	Upper
169	100		
168	65.9	51.9	77.9
167	35.4	28.5	42.7



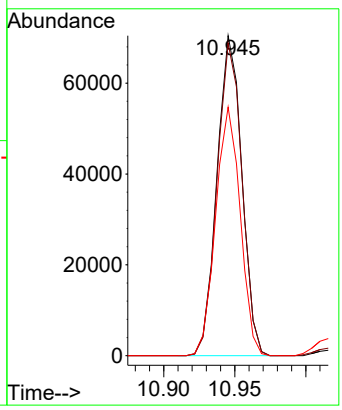


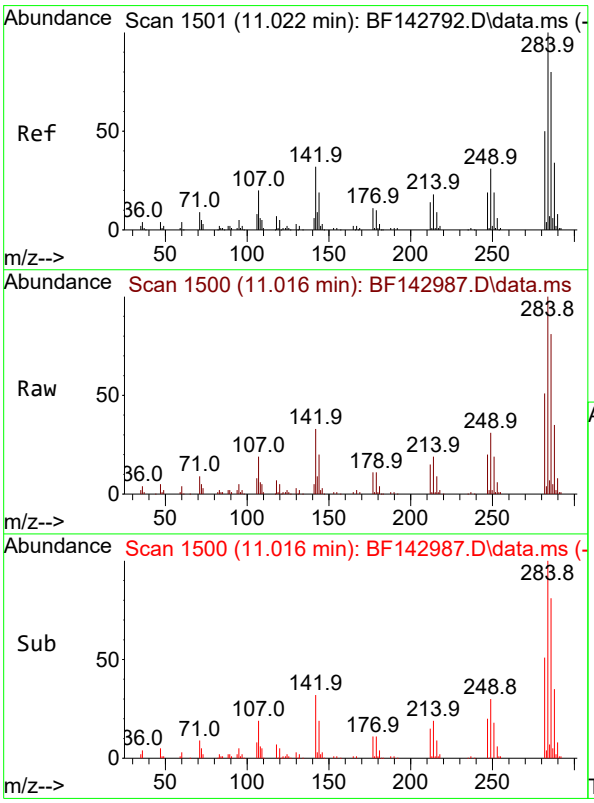
#67
4-Bromophenyl-phenylether
Concen: 40.663 ng
RT: 10.945 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 85828

Ion	Ratio	Lower	Upper
248	100		
250	97.6	79.8	119.8
141	77.7	57.8	86.6

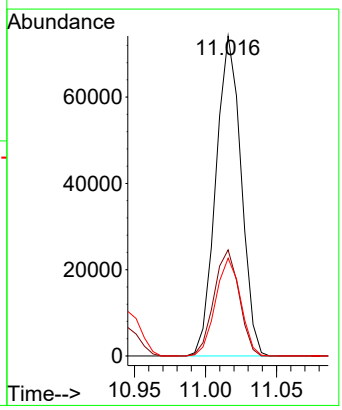


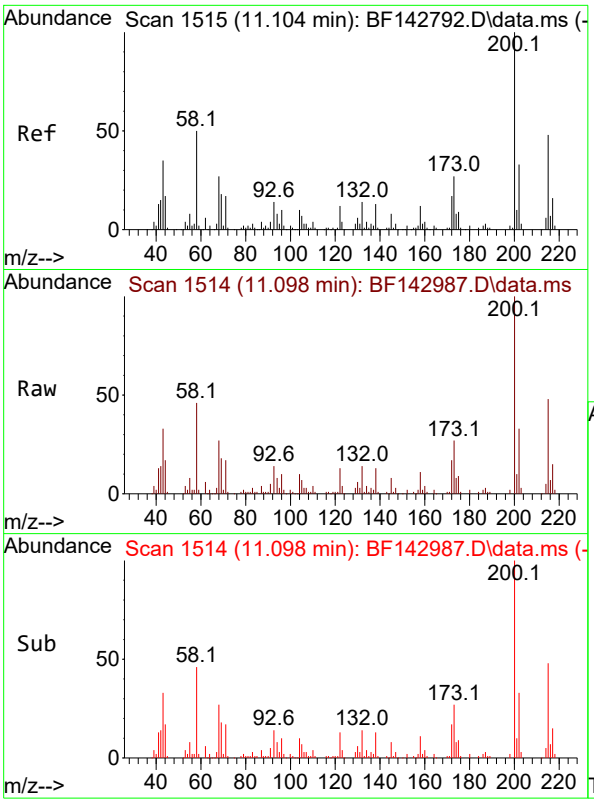


#68
Hexachlorobenzene
Concen: 39.037 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:284 Resp: 91556

Ion	Ratio	Lower	Upper
284	100		
142	33.2	25.5	38.3
249	30.6	24.9	37.3



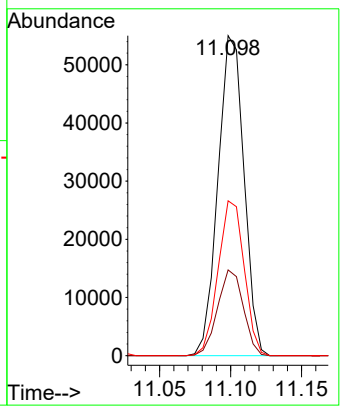


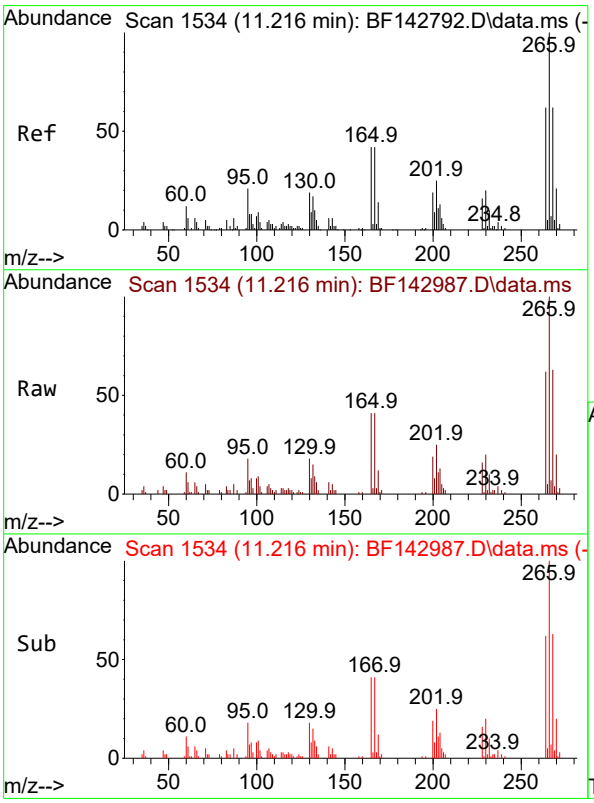
#69
Atrazine
Concen: 42.197 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 70039

Ion	Ratio	Lower	Upper
200	100		
173	26.8	7.4	47.4
215	48.4	28.4	68.4

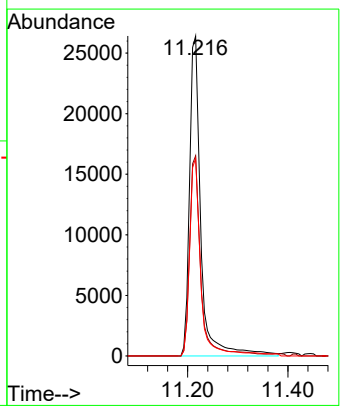


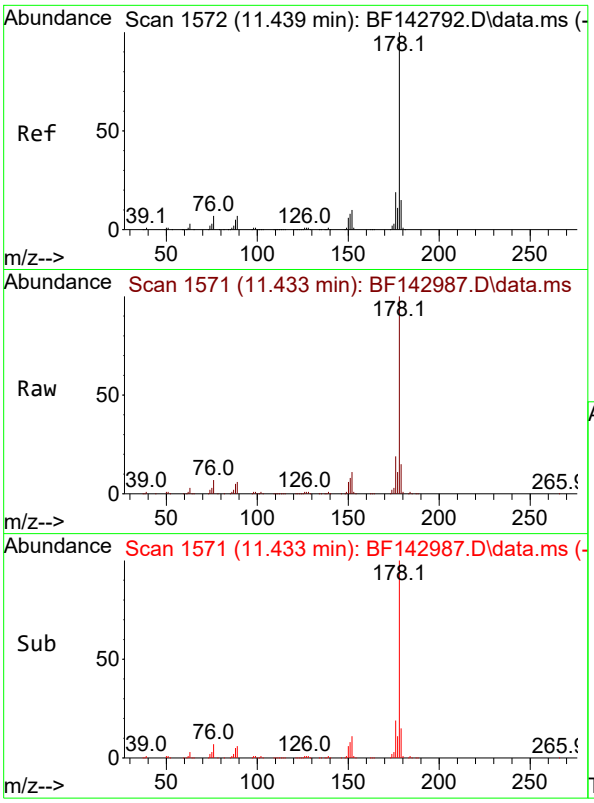


#70
Pentachlorophenol
Concen: 35.407 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:266 Resp: 41380

Ion	Ratio	Lower	Upper
266	100		
268	62.6	49.8	74.8
264	61.8	49.9	74.9



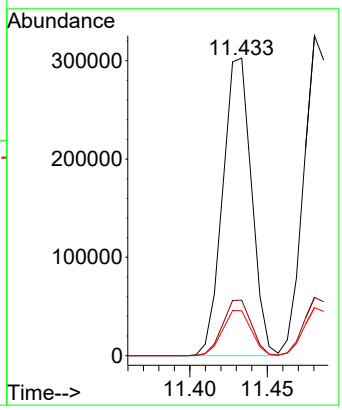


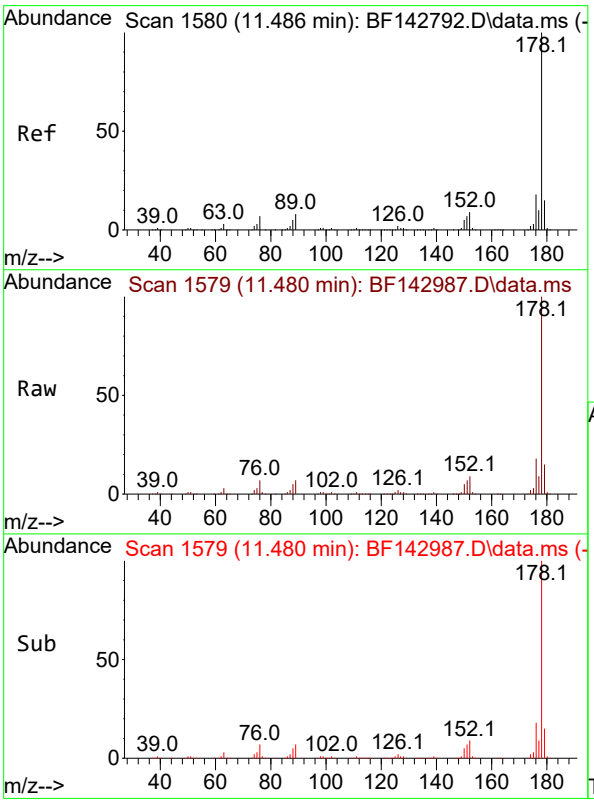
#71
Phenanthrene
Concen: 39.002 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 391835

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.1	12.0	18.0

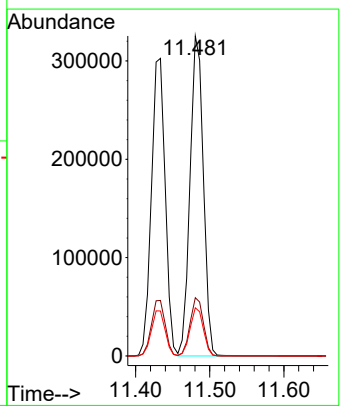


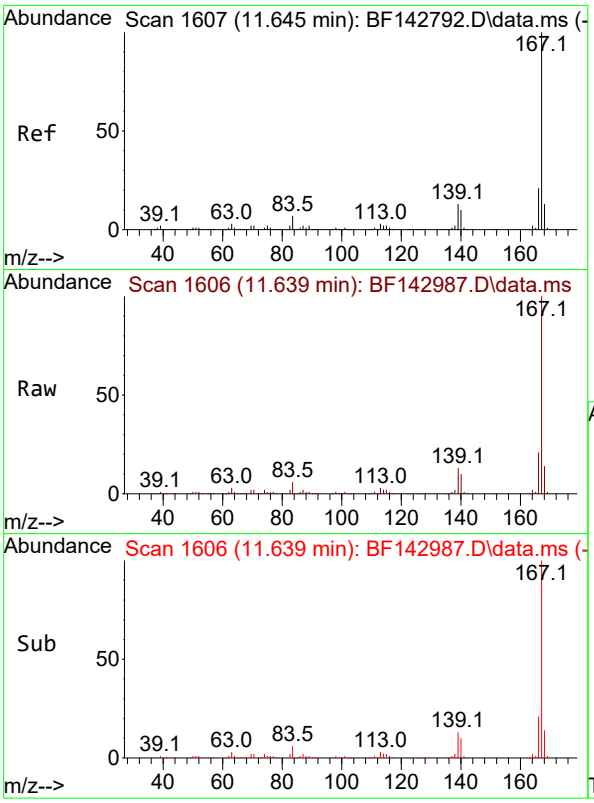


#72
Anthracene
Concen: 39.432 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:178 Resp: 406285

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	15.0	12.4	18.6



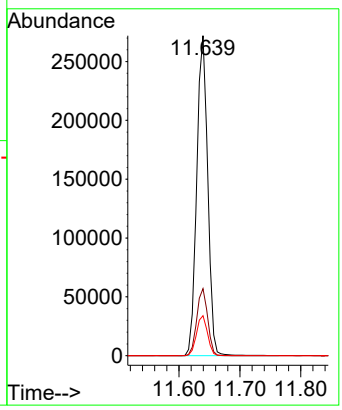


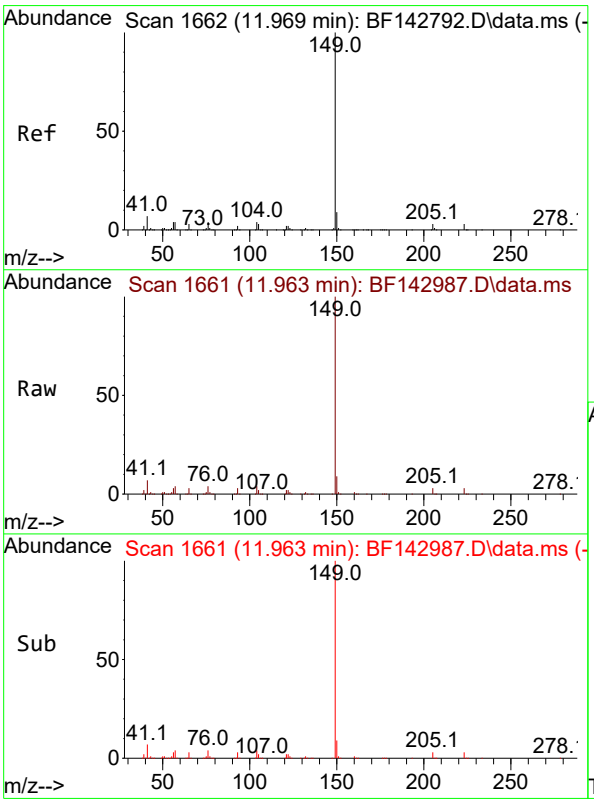
#73
Carbazole
Concen: 38.315 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 340680

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.0	25.4
139	12.5	10.2	15.2

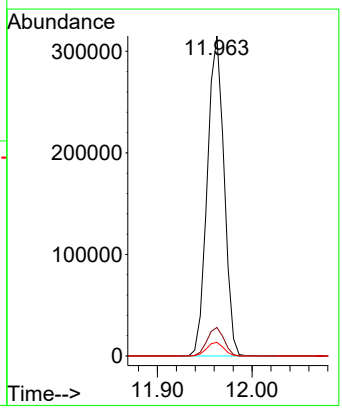


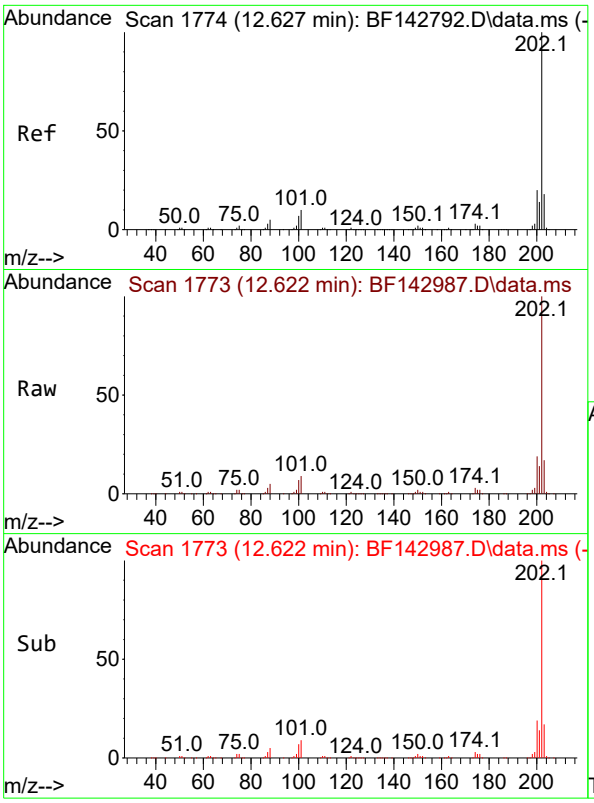


#74
Di-n-butylphthalate
Concen: 41.741 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:149 Resp: 386639

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.4	11.0
104	4.3	3.5	5.3



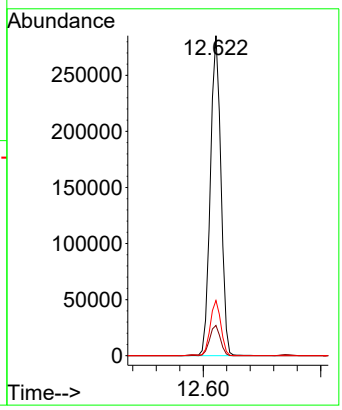


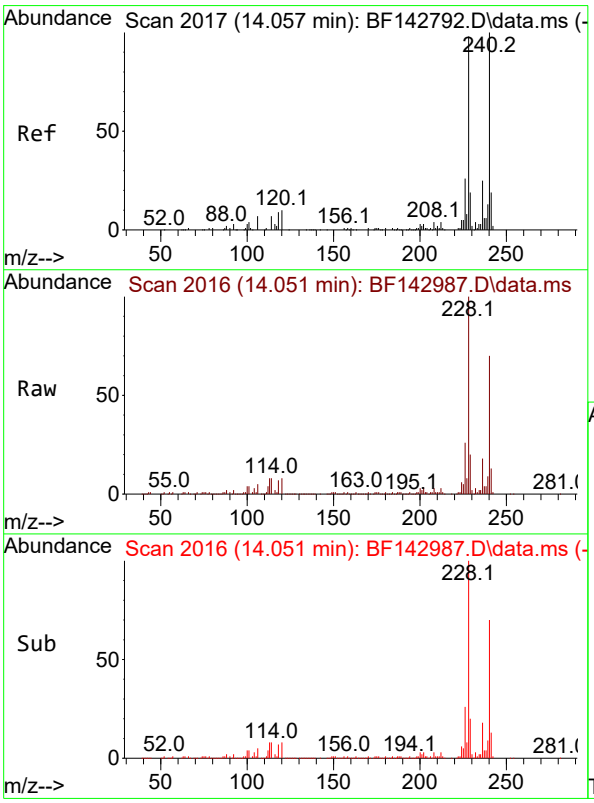
#75
Fluoranthene
Concen: 37.478 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 357341

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	29.7
203	17.3	0.0	37.5

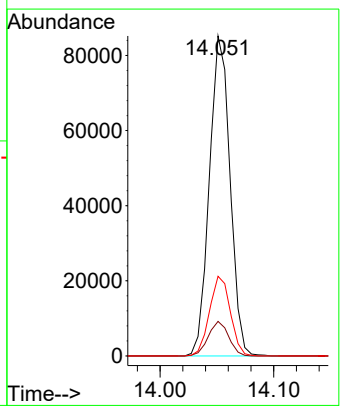


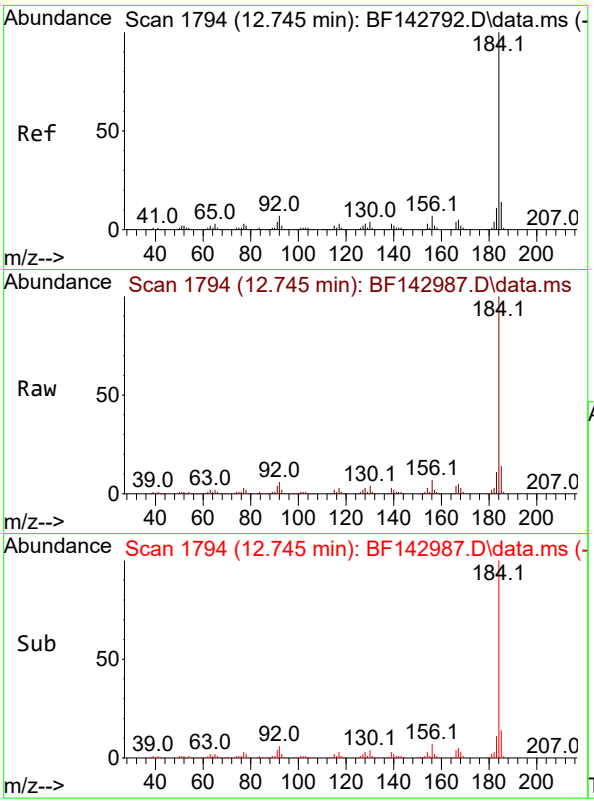


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:240 Resp: 107728

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.2	12.2
236	24.9	19.8	29.8



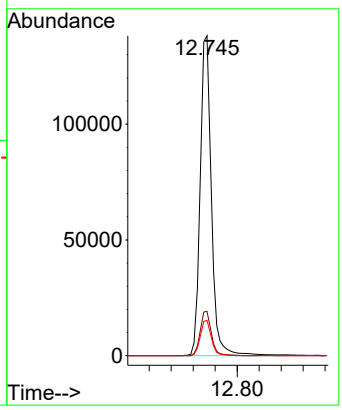


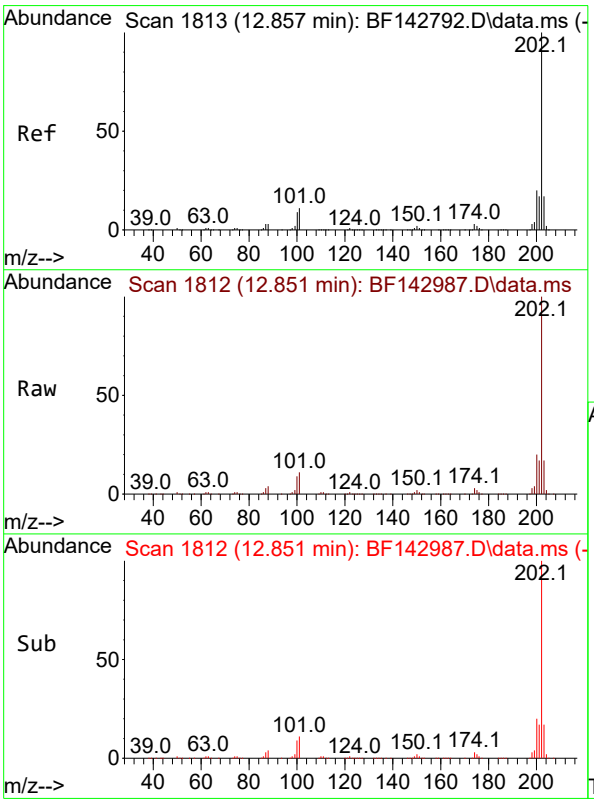
#77
Benzidine
Concen: 48.497 ng
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 196289

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.5	17.3
183	11.1	9.0	13.4

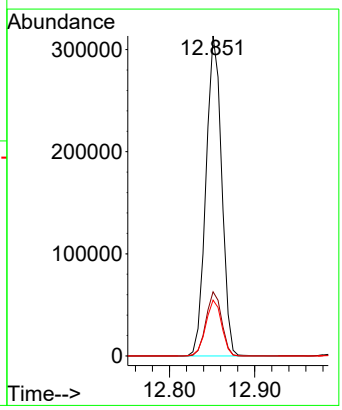


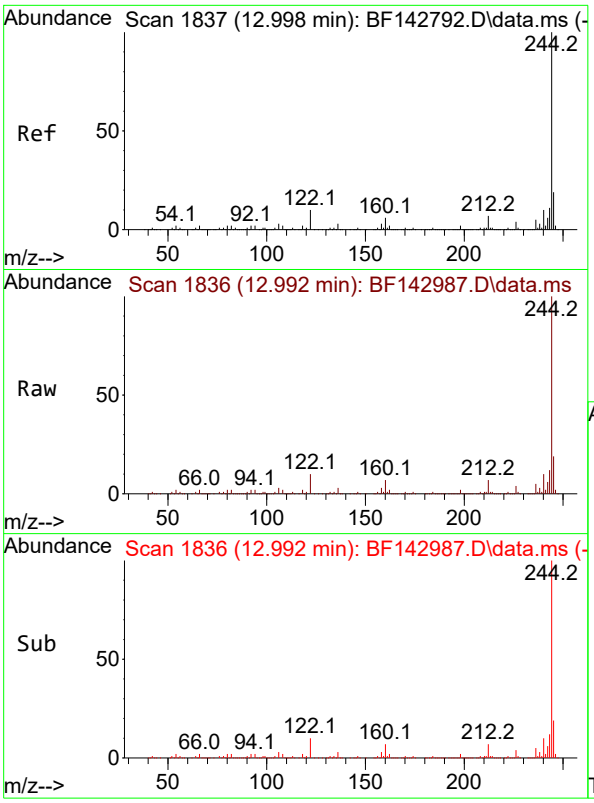


#78
Pyrene
Concen: 39.708 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:202 Resp: 400958

Ion	Ratio	Lower	Upper
202	100		
200	20.0	15.7	23.5
203	17.5	13.8	20.6



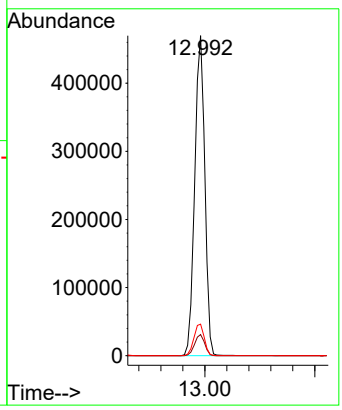


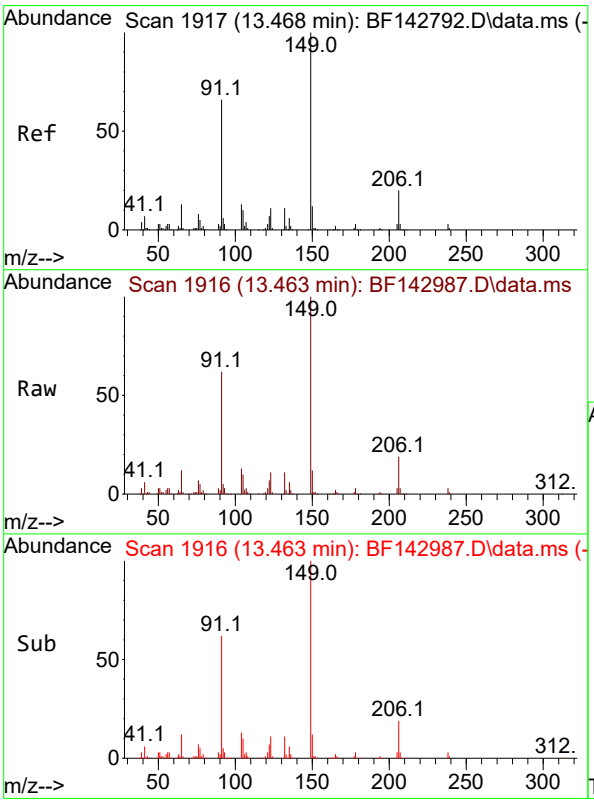
#79
Terphenyl-d14
Concen: 76.727 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 598225

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	9.9	8.2	12.2

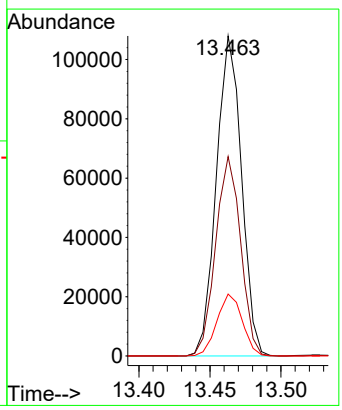


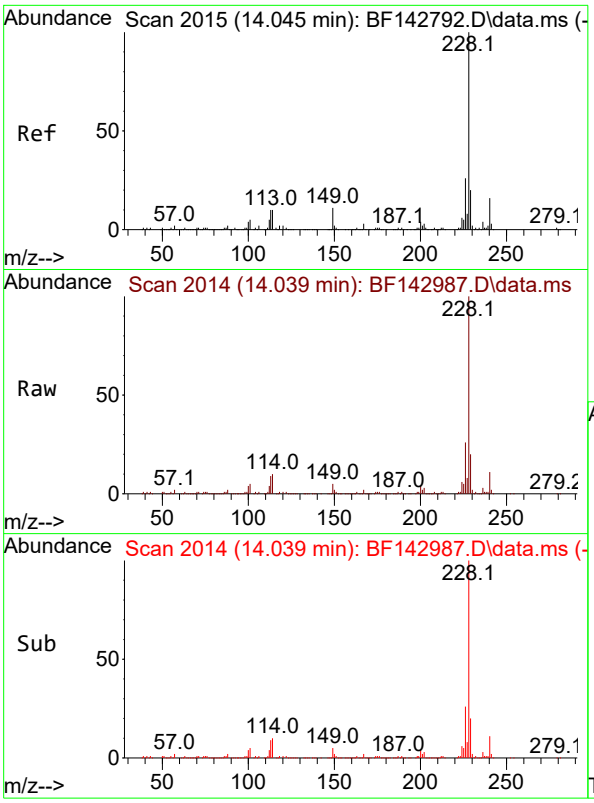


#80
Butylbenzylphthalate
Concen: 45.336 ng
RT: 13.463 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:149 Resp: 132794

Ion	Ratio	Lower	Upper
149	100		
91	62.3	52.9	79.3
206	19.3	16.3	24.5



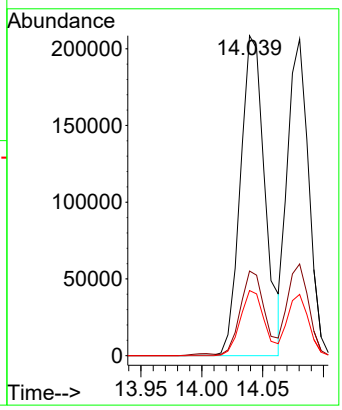


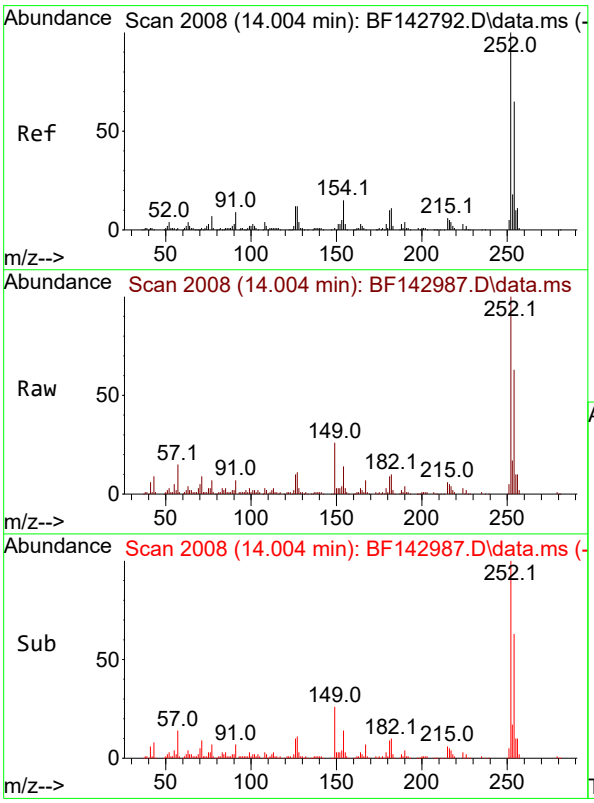
#81
Benzo(a)anthracene
Concen: 40.334 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 293122

Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.2	31.8
229	20.4	15.6	23.4

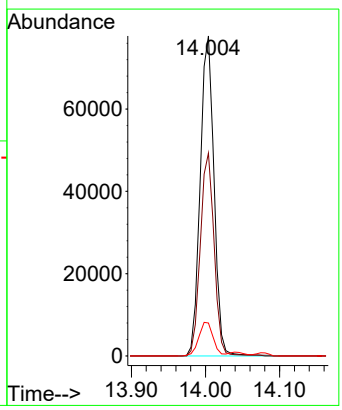


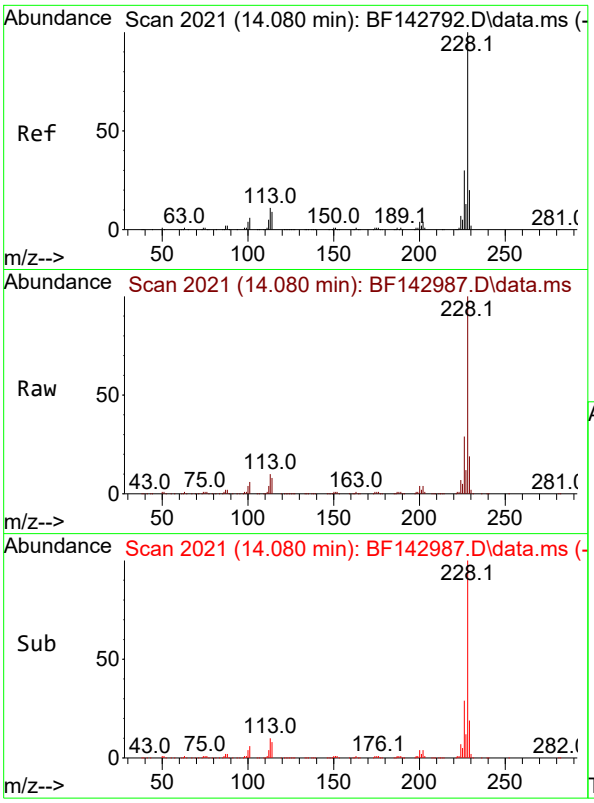


#82
3,3'-Dichlorobenzidine
Concen: 42.716 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:252 Resp: 100692

Ion	Ratio	Lower	Upper
252	100		
254	63.4	51.7	77.5
126	10.3	9.4	14.2



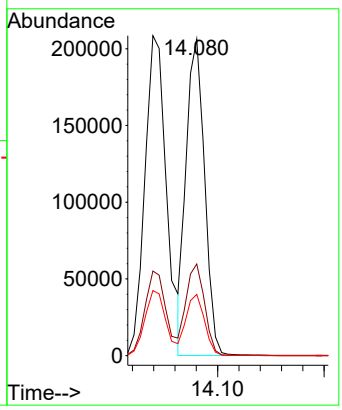


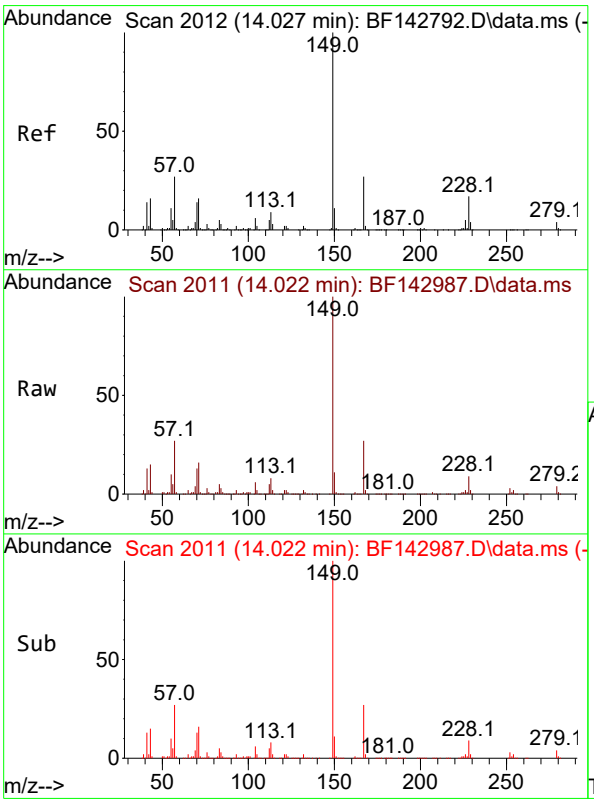
#83
Chrysene
Concen: 38.324 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 248524

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.7	35.5
229	19.4	15.7	23.5

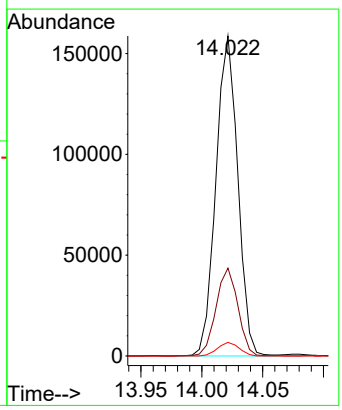


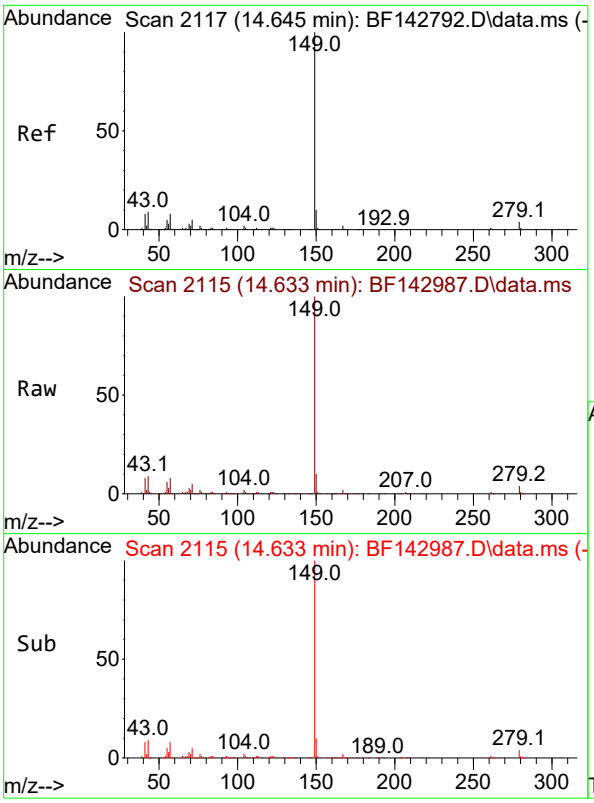


#84
Bis(2-ethylhexyl)phthalate
Concen: 47.096 ng
RT: 14.022 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:149 Resp: 198476

Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.4	32.0
279	4.2	3.0	4.6



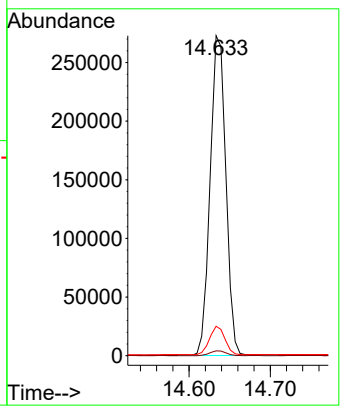


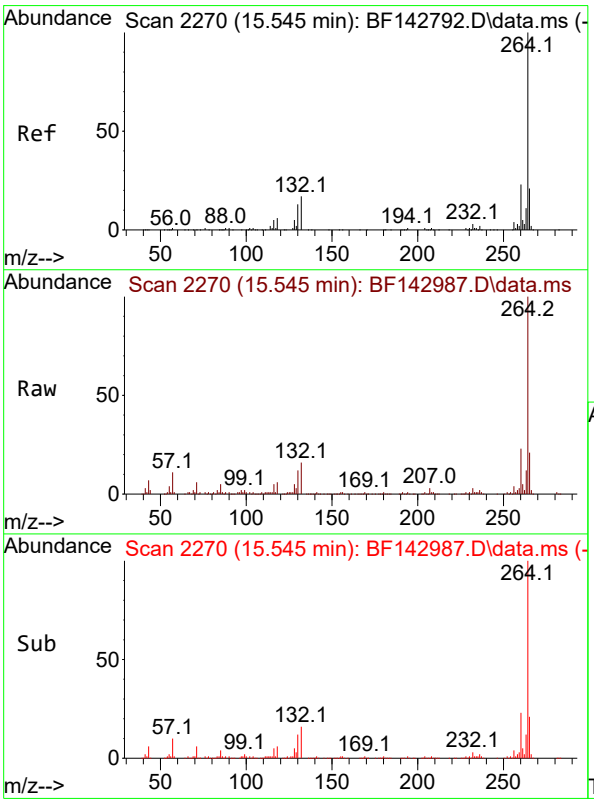
#85
Di-n-octyl phthalate
Concen: 46.074 ng
RT: 14.633 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 366137

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.6	7.6	11.4

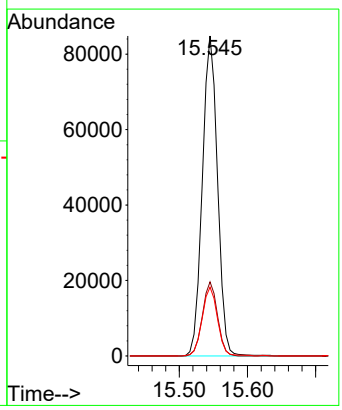


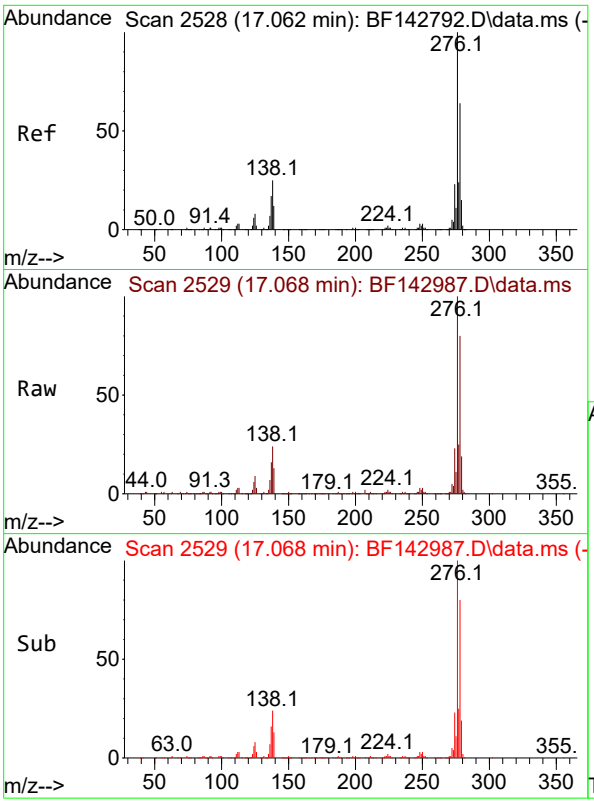


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:264 Resp: 131364

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.1	27.1
265	21.5	16.6	25.0



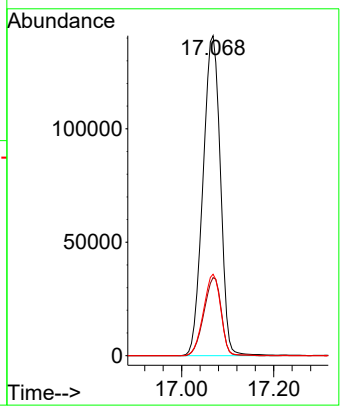


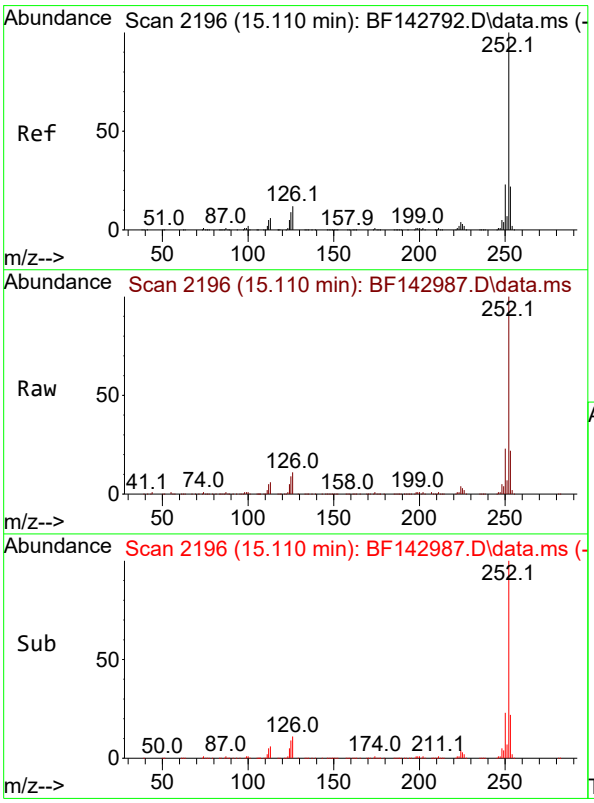
#87
Indeno(1,2,3-cd)pyrene
Concen: 37.078 ng
RT: 17.068 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 370993

Ion	Ratio	Lower	Upper
276	100		
138	24.3	20.2	30.4
277	25.3	19.8	29.6

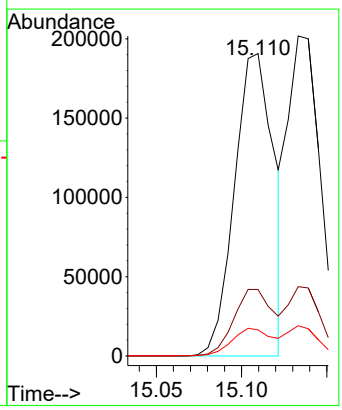


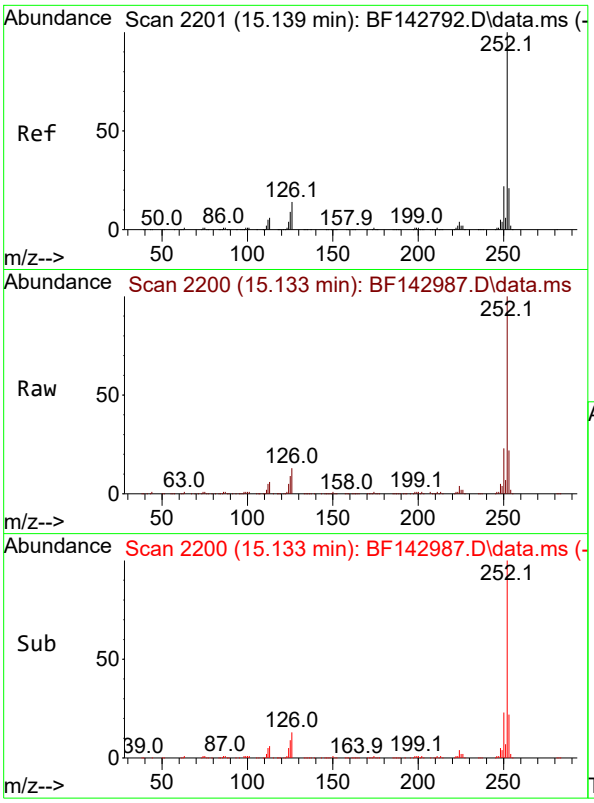


#88
Benzo(b)fluoranthene
Concen: 40.149 ng
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:252 Resp: 305182

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	8.6	7.4	11.0



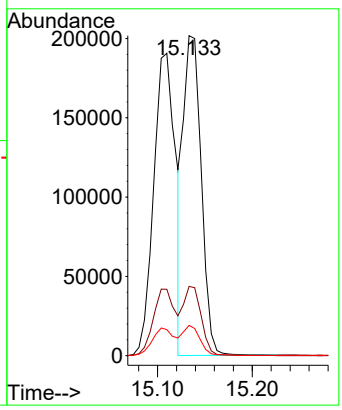


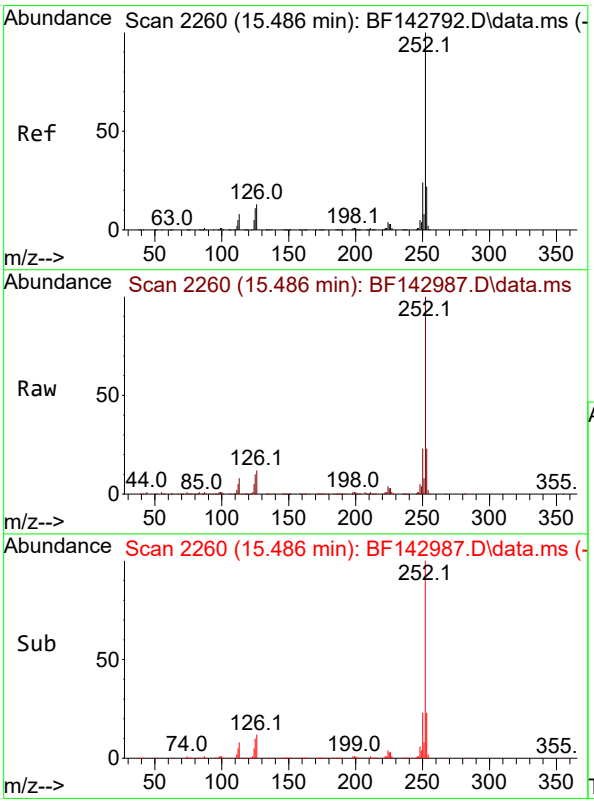
#89
Benzo(k)fluoranthene
Concen: 37.503 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 266707

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.2	25.8
125	9.5	7.4	11.2

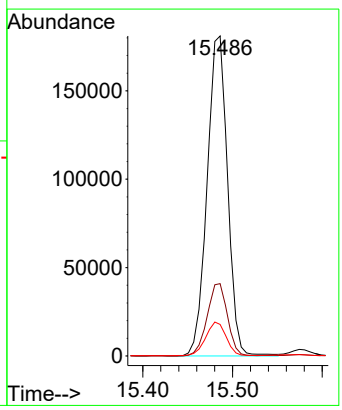


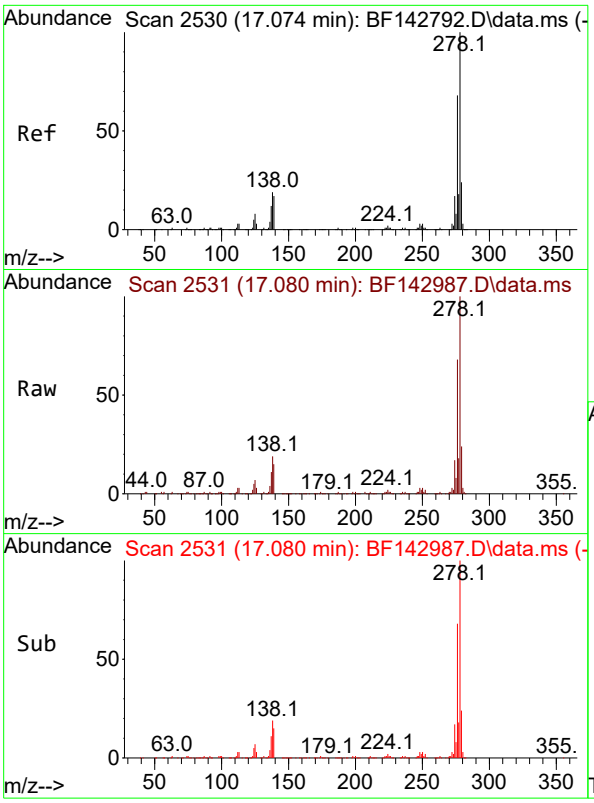


#90
Benzo(a)pyrene
Concen: 39.025 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:252 Resp: 286573

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	9.9	8.6	12.8



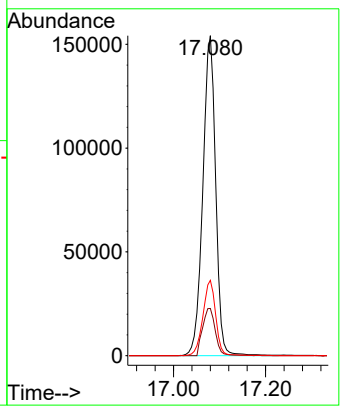


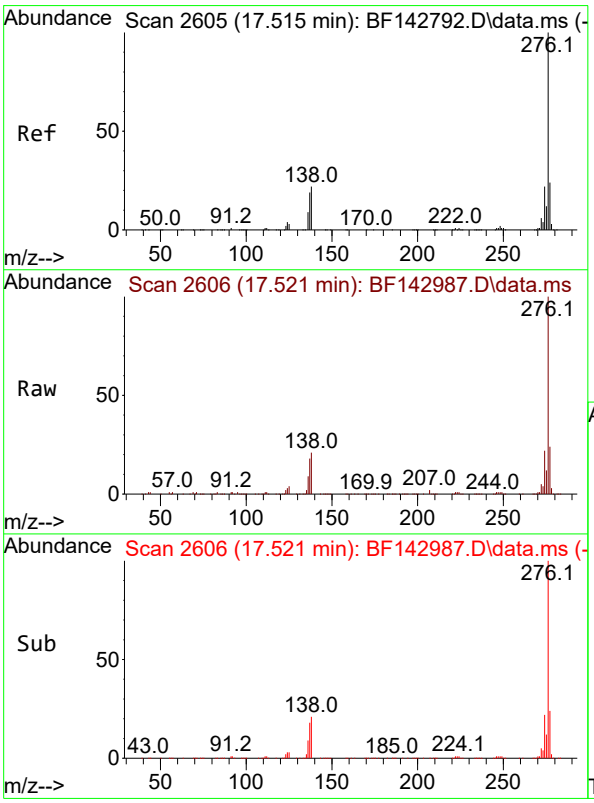
#91
Dibenzo(a,h)anthracene
Concen: 36.984 ng
RT: 17.080 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 300677

Ion	Ratio	Lower	Upper
278	100		
139	14.7	13.5	20.3
279	23.6	18.8	28.2

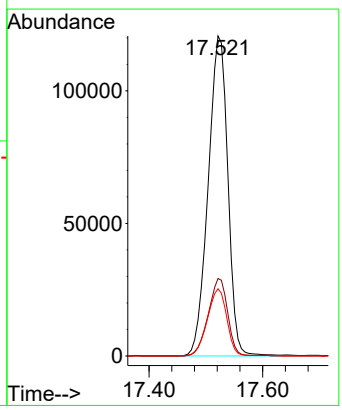




#92
Benzo(g,h,i)perylene
Concen: 35.763 ng
RT: 17.521 min Scan# 2606
Delta R.T. 0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:276 Resp: 289923

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.8	28.2
138	21.0	17.6	26.4



Sample Results: **BF142987.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142987.D
Acq On : 03 Jul 2025 09:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 03 11:17:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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	74	0.00
2		1,4-Dioxane	0.480	0.430	10.4	69	-0.02
3		Pyridine	1.205	1.078	10.5	69	-0.01
4		n-Nitrosodimethylamine	0.623	0.566	9.1	70	-0.01
5	S	2-Fluorophenol	1.201	1.155	3.8	75	0.00
6		Aniline	1.886	1.754	7.0	72	0.00
7	S	Phenol-d6	1.417	1.350	4.7	75	0.00
8		2-Chlorophenol	1.296	1.258	2.9	75	0.00
9		Benzaldehyde	0.841	0.872	-3.7	85	0.00
10	C	Phenol	1.575	1.488	5.5	73	0.00
11		bis(2-Chloroethyl)ether	1.126	1.068	5.2	74	0.00
12		1,3-Dichlorobenzene	1.449	1.402	3.2	76	0.00
13	C	1,4-Dichlorobenzene	1.462	1.411	3.5	74	0.00
14		1,2-Dichlorobenzene	1.387	1.345	3.0	75	0.00
15		Benzyl Alcohol	1.025	0.986	3.8	75	0.00
16		2,2'-oxybis(1-Chloropropane	1.809	1.607	11.2	69	-0.01
17		2-Methylphenol	0.982	0.942	4.1	74	0.00
18		Hexachloroethane	0.511	0.494	3.3	74	0.00
19	P	n-Nitroso-di-n-propylamine	0.824	0.783	5.0	74	0.00
20		3+4-Methylphenols	1.224	1.205	1.6	76	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	73	-0.01
22		Acetophenone	0.441	0.435	1.4	76	0.00
23	S	Nitrobenzene-d5	0.365	0.383	-4.9	79	0.00
24		Nitrobenzene	0.330	0.319	3.3	73	0.00
25		Isophorone	0.585	0.556	5.0	73	0.00
26	C	2-Nitrophenol	0.180	0.181	-0.6	74	0.00
27		2,4-Dimethylphenol	0.311	0.288	7.4	70	0.00
28		bis(2-Chloroethoxy)methane	0.372	0.360	3.2	75	0.00
29	C	2,4-Dichlorophenol	0.282	0.274	2.8	74	0.00
30		1,2,4-Trichlorobenzene	0.310	0.302	2.6	74	0.00
31		Naphthalene	0.979	0.960	1.9	75	0.00
32		Benzoic acid	0.159	0.129	18.9	60	0.00
33		4-Chloroaniline	0.398	0.386	3.0	75	0.00
34	C	Hexachlorobutadiene	0.190	0.191	-0.5	76	-0.01
35		Caprolactam	0.075	0.071	5.3	73	0.00
36	C	4-Chloro-3-methylphenol	0.281	0.270	3.9	74	0.00
37		2-Methylnaphthalene	0.607	0.585	3.6	74	0.00
38		1-Methylnaphthalene	0.628	0.611	2.7	75	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	72	0.00
40		1,2,4,5-Tetrachlorobenzene	0.590	0.594	-0.7	77	0.00
41	P	Hexachlorocyclopentadiene	0.335	0.268	20.0	57	-0.01
42	S	2,4,6-Tribromophenol	0.206	0.200	2.9	72	0.00
43	C	2,4,6-Trichlorophenol	0.385	0.379	1.6	75	0.00
44		2,4,5-Trichlorophenol	0.405	0.404	0.2	75	0.00
45	S	2-Fluorobiphenyl	1.522	1.626	-6.8	82	-0.01
46		1,1'-Biphenyl	1.580	1.566	0.9	75	0.00
47		2-Chloronaphthalene	1.186	1.170	1.3	75	0.00

Sample Results: **BF142987.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142987.D
Acq On : 03 Jul 2025 09:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 03 11:17:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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	0.332	0.323	2.7	72	0.00
49		Acenaphthylene	1.952	1.899	2.7	74	0.00
50		Dimethylphthalate	1.295	1.278	1.3	75	-0.01
51		2,6-Dinitrotoluene	0.284	0.278	2.1	72	0.00
52	C	Acenaphthene	1.191	1.172	1.6	74	0.00
53		3-Nitroaniline	0.313	0.303	3.2	72	0.00
54	P	2,4-Dinitrophenol	0.142	0.131	7.7	66	0.00
55		Dibenzofuran	1.708	1.633	4.4	72	0.00
56	P	4-Nitrophenol	0.214	0.226	-5.6	78	0.00
57		2,4-Dinitrotoluene	0.378	0.365	3.4	72	0.00
58		Fluorene	1.334	1.318	1.2	75	0.00
59		2,3,4,6-Tetrachlorophenol	0.326	0.310	4.9	72	0.00
60		Diethylphthalate	1.269	1.256	1.0	75	0.00
61		4-Chlorophenyl-phenylether	0.636	0.627	1.4	76	0.00
62		4-Nitroaniline	0.286	0.271	5.2	72	0.00
63		Azobenzene	1.134	1.075	5.2	72	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	70	0.00
65		4,6-Dinitro-2-methylphenol	0.121	0.117	3.3	69	0.00
66	c	n-Nitrosodiphenylamine	0.693	0.695	-0.3	73	0.00
67		4-Bromophenyl-phenylether	0.228	0.231	-1.3	75	-0.01
68		Hexachlorobenzene	0.253	0.247	2.4	72	0.00
69		Atrazine	0.179	0.189	-5.6	77	0.00
70	C	Pentachlorophenol	0.126	0.112	11.1	63	0.00
71		Phenanthrene	1.083	1.056	2.5	72	0.00
72		Anthracene	1.111	1.095	1.4	73	0.00
73		Carbazole	0.959	0.918	4.3	72	0.00
74		Di-n-butylphthalate	0.999	1.042	-4.3	78	0.00
75	C	Fluoranthene	1.028	0.963	6.3	71	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	76	0.00
77		Benzidine	0.751	0.911	-21.3	89	0.00
78		Pyrene	1.875	1.861	0.7	81	0.00
79	S	Terphenyl-d14	1.447	1.388	4.1	79	0.00
80		Butylbenzylphthalate	0.544	0.616	-13.2	85	0.00
81		Benzo(a)anthracene	1.349	1.360	-0.8	81	0.00
82		3,3'-Dichlorobenzidine	0.438	0.467	-6.6	82	0.00
83		Chrysene	1.204	1.153	4.2	75	0.00
84		Bis(2-ethylhexyl)phthalate	0.782	0.921	-17.8	87	0.00
85	c	Di-n-octyl phthalate	1.475	1.699	-15.2	88	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	77	0.00
87		Indeno(1,2,3-cd)pyrene	1.523	1.412	7.3	74	0.00
88		Benzo(b)fluoranthene	1.157	1.162	-0.4	84	0.00
89		Benzo(k)fluoranthene	1.083	1.015	6.3	76	0.00
90	C	Benzo(a)pyrene	1.118	1.091	2.4	79	0.00
91		Dibenzo(a,h)anthracene	1.238	1.144	7.6	75	0.00
92		Benzo(g,h,i)perylene	1.234	1.104	10.5	72	0.00

Sample Results: **BF142987.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142987.D
Acq On : 03 Jul 2025 09:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 03 11:17:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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: **BF142987.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142987.D
Acq On : 03 Jul 2025 09:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 03 11:17:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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	74	0.00
2		1,4-Dioxane	40.000	35.803	10.5	69	-0.02
3		Pyridine	40.000	35.799	10.5	69	-0.01
4		n-Nitrosodimethylamine	40.000	36.332	9.2	70	-0.01
5	S	2-Fluorophenol	80.000	76.934	3.8	75	0.00
6		Aniline	40.000	37.212	7.0	72	0.00
7	S	Phenol-d6	80.000	76.199	4.8	75	0.00
8		2-Chlorophenol	40.000	38.827	2.9	75	0.00
9		Benzaldehyde	40.000	41.465	-3.7	85	0.00
10	C	Phenol	40.000	37.793	5.5	73	0.00
11		bis(2-Chloroethyl)ether	40.000	37.924	5.2	74	0.00
12		1,3-Dichlorobenzene	40.000	38.707	3.2	76	0.00
13	C	1,4-Dichlorobenzene	40.000	38.596	3.5	74	0.00
14		1,2-Dichlorobenzene	40.000	38.787	3.0	75	0.00
15		Benzyl Alcohol	40.000	38.506	3.7	75	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	35.533	11.2	69	-0.01
17		2-Methylphenol	40.000	38.358	4.1	74	0.00
18		Hexachloroethane	40.000	38.672	3.3	74	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.974	5.1	74	0.00
20		3+4-Methylphenols	40.000	39.355	1.6	76	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	73	-0.01
22		Acetophenone	40.000	39.417	1.5	76	0.00
23	S	Nitrobenzene-d5	80.000	84.085	-5.1	79	0.00
24		Nitrobenzene	40.000	38.653	3.4	73	0.00
25		Isophorone	40.000	38.016	5.0	73	0.00
26	C	2-Nitrophenol	40.000	40.290	-0.7	74	0.00
27		2,4-Dimethylphenol	40.000	36.981	7.5	70	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.772	3.1	75	0.00
29	C	2,4-Dichlorophenol	40.000	38.871	2.8	74	0.00
30		1,2,4-Trichlorobenzene	40.000	38.968	2.6	74	0.00
31		Naphthalene	40.000	39.221	1.9	75	0.00
32		Benzoic acid	40.000	32.577	18.6	60	0.00
33		4-Chloroaniline	40.000	38.745	3.1	75	0.00
34	C	Hexachlorobutadiene	40.000	40.255	-0.6	76	-0.01
35		Caprolactam	40.000	38.365	4.1	73	0.00
36	C	4-Chloro-3-methylphenol	40.000	38.469	3.8	74	0.00
37		2-Methylnaphthalene	40.000	38.568	3.6	74	0.00
38		1-Methylnaphthalene	40.000	38.914	2.7	75	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	72	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.279	-0.7	77	0.00
41	P	Hexachlorocyclopentadiene	40.000	31.960	20.1	57	-0.01
42	S	2,4,6-Tribromophenol	80.000	77.722	2.8	72	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.395	1.5	75	0.00
44		2,4,5-Trichlorophenol	40.000	39.952	0.1	75	0.00
45	S	2-Fluorobiphenyl	80.000	85.464	-6.8	82	-0.01
46		1,1'-Biphenyl	40.000	39.652	0.9	75	0.00
47		2-Chloronaphthalene	40.000	39.486	1.3	75	0.00

Sample Results: **BF142987.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142987.D
Acq On : 03 Jul 2025 09:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 03 11:17:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	38.861	2.8	72	0.00
49		Acenaphthylene	40.000	38.927	2.7	74	0.00
50		Dimethylphthalate	40.000	39.472	1.3	75	-0.01
51		2,6-Dinitrotoluene	40.000	39.133	2.2	72	0.00
52	C	Acenaphthene	40.000	39.375	1.6	74	0.00
53		3-Nitroaniline	40.000	38.765	3.1	72	0.00
54	P	2,4-Dinitrophenol	40.000	36.773	8.1	66	0.00
55		Dibenzofuran	40.000	38.246	4.4	72	0.00
56	P	4-Nitrophenol	40.000	42.156	-5.4	78	0.00
57		2,4-Dinitrotoluene	40.000	38.668	3.3	72	0.00
58		Fluorene	40.000	39.535	1.2	75	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	38.026	4.9	72	0.00
60		Diethylphthalate	40.000	39.592	1.0	75	0.00
61		4-Chlorophenyl-phenylether	40.000	39.414	1.5	76	0.00
62		4-Nitroaniline	40.000	37.809	5.5	72	0.00
63		Azobenzene	40.000	37.889	5.3	72	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	70	0.00
65		4,6-Dinitro-2-methylphenol	40.000	38.620	3.5	69	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.136	-0.3	73	0.00
67		4-Bromophenyl-phenylether	40.000	40.663	-1.7	75	-0.01
68		Hexachlorobenzene	40.000	39.037	2.4	72	0.00
69		Atrazine	40.000	42.197	-5.5	77	0.00
70	C	Pentachlorophenol	40.000	35.407	11.5	63	0.00
71		Phenanthrene	40.000	39.002	2.5	72	0.00
72		Anthracene	40.000	39.432	1.4	73	0.00
73		Carbazole	40.000	38.315	4.2	72	0.00
74		Di-n-butylphthalate	40.000	41.741	-4.4	78	0.00
75	C	Fluoranthene	40.000	37.478	6.3	71	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	76	0.00
77		Benzidine	40.000	48.497	-21.2	89	0.00
78		Pyrene	40.000	39.708	0.7	81	0.00
79	S	Terphenyl-d14	80.000	76.727	4.1	79	0.00
80		Butylbenzylphthalate	40.000	45.336	-13.3	85	0.00
81		Benzo(a)anthracene	40.000	40.334	-0.8	81	0.00
82		3,3'-Dichlorobenzidine	40.000	42.716	-6.8	82	0.00
83		Chrysene	40.000	38.324	4.2	75	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	47.096	-17.7	87	0.00
85	c	Di-n-octyl phthalate	40.000	46.074	-15.2	88	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	77	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	37.078	7.3	74	0.00
88		Benzo(b)fluoranthene	40.000	40.149	-0.4	84	0.00
89		Benzo(k)fluoranthene	40.000	37.503	6.2	76	0.00
90	C	Benzo(a)pyrene	40.000	39.025	2.4	79	0.00
91		Dibenzo(a,h)anthracene	40.000	36.984	7.5	75	0.00
92		Benzo(g,h,i)perylene	40.000	35.763	10.6	72	0.00

Sample Results: **BF142987.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142987.D
Acq On : 03 Jul 2025 09:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 03 11:17:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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: **BF143025.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: Alliance Contract: CAMP02

Lab Code: ACE SDG No.: Q2458

Instrument ID: BNA_F Calibration Date/Time: 07/08/2025 10:54

Lab File ID: BF143025.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.201	1.183		-1.5	
Benzaldehyde	0.841	0.903		7.4	
Phenol-d6	1.417	1.384		-2.3	
Phenol	1.575	1.550		-1.6	20.0
bis(2-Chloroethyl)ether	1.126	1.102		-2.1	
2-Chlorophenol	1.296	1.276		-1.5	
2-Methylphenol	0.982	0.973		-0.9	
2,2-oxybis(1-Chloropropane)	1.809	1.645		-9.1	
Acetophenone	0.441	0.431		-2.3	
3+4-Methylphenols	1.224	1.225		0.1	
n-Nitroso-di-n-propylamine	0.824	0.805	0.050	-2.3	
Nitrobenzene-d5	0.365	0.385		5.5	
Hexachloroethane	0.511	0.498		-2.5	
Nitrobenzene	0.330	0.315		-4.5	
Isophorone	0.585	0.566		-3.2	
2-Nitrophenol	0.180	0.181		0.6	20.0
2,4-Dimethylphenol	0.311	0.301		-3.2	
bis(2-Chloroethoxy)methane	0.372	0.361		-3.0	
2,4-Dichlorophenol	0.282	0.275		-2.5	20.0
Naphthalene	0.979	0.952		-2.8	
4-Chloroaniline	0.398	0.391		-1.8	
Hexachlorobutadiene	0.190	0.185		-2.6	20.0
Caprolactam	0.075	0.078		4.0	
4-Chloro-3-methylphenol	0.281	0.276		-1.8	20.0
2-Methylnaphthalene	0.607	0.594		-2.1	
Hexachlorocyclopentadiene	0.335	0.341	0.050	1.8	
2,4,6-Trichlorophenol	0.385	0.367		-4.7	20.0
2-Fluorobiphenyl	1.522	1.552		2.0	
2,4,5-Trichlorophenol	0.405	0.383		-5.4	
1,1-Biphenyl	1.580	1.507		-4.6	
2-Chloronaphthalene	1.186	1.125		-5.1	
2-Nitroaniline	0.332	0.326		-1.8	
Dimethylphthalate	1.295	1.287		-0.6	
Acenaphthylene	1.952	1.854		-5.0	
2,6-Dinitrotoluene	0.284	0.279		-1.8	
3-Nitroaniline	0.313	0.304		-2.9	
Acenaphthene	1.191	1.180		-0.9	20.0
2,4-Dinitrophenol	0.142	0.188	0.050	32.4	
4-Nitrophenol	0.214	0.259	0.050	21.0	

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: Alliance Contract: CAMP02

Lab Code: ACE SDG No.: Q2458

Instrument ID: BNA_F Calibration Date/Time: 07/08/2025 10:54

Lab File ID: BF143025.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.708	1.634		-4.3	
2,4-Dinitrotoluene	0.378	0.376		-0.5	
Diethylphthalate	1.269	1.241		-2.2	
4-Chlorophenyl-phenylether	0.636	0.623		-2.0	
Fluorene	1.334	1.302		-2.4	
4-Nitroaniline	0.286	0.282		-1.4	
4,6-Dinitro-2-methylphenol	0.121	0.120		-0.8	
n-Nitrosodiphenylamine	0.693	0.683		-1.4	20.0
2,4,6-Tribromophenol	0.206	0.200		-2.9	
4-Bromophenyl-phenylether	0.228	0.230		0.9	
Hexachlorobenzene	0.253	0.251		-0.8	
Atrazine	0.179	0.189		5.6	
Pentachlorophenol	0.126	0.185		46.8	20.0
Phenanthrene	1.083	1.051		-3.0	
Anthracene	1.111	1.089		-2.0	
Carbazole	0.959	0.908		-5.3	
Di-n-butylphthalate	0.999	1.022		2.3	
Fluoranthene	1.028	0.959		-6.7	20.0
Pyrene	1.875	2.136		13.9	
Terphenyl-d14	1.447	1.536		6.2	
Butylbenzylphthalate	0.544	0.573		5.3	
3,3-Dichlorobenzidine	0.438	0.444		1.4	
Benzo(a)anthracene	1.349	1.310		-2.9	
Chrysene	1.204	1.161		-3.6	
Bis(2-ethylhexyl)phthalate	0.782	0.775		-0.9	
Di-n-octyl phthalate	1.475	1.479		0.3	20.0
Benzo(b)fluoranthene	1.157	1.133		-2.1	
Benzo(k)fluoranthene	1.083	0.990		-8.6	
Benzo(a)pyrene	1.118	1.090		-2.5	20.0
Indeno(1,2,3-cd)pyrene	1.523	1.509		-0.9	
Dibenzo(a,h)anthracene	1.238	1.206		-2.6	
Benzo(g,h,i)perylene	1.234	1.198		-2.9	
1,2,4,5-Tetrachlorobenzene	0.590	0.574		-2.7	
1,4-Dioxane	0.480	0.434		-9.6	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.307		-5.8	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143025.D
Acq On : 08 Jul 2025 10:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jul 08 12:00:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	66813	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	257725	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	136330	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	218169	20.000	ng		0.00
76) Chrysene-d12	14.063	240	109391	20.000	ng		0.00
86) Perylene-d12	15.557	264	135350	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	316247	78.806	ng		0.00
7) Phenol-d6	6.510	99	369973	78.144	ng		0.00
23) Nitrobenzene-d5	7.445	82	397254	84.546	ng		0.00
42) 2,4,6-Tribromophenol	10.716	330	108910	77.630	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	846426	81.561	ng		0.00
79) Terphenyl-d14	12.998	244	672150	84.898	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.616	88	57982	36.124	ng		98
3) Pyridine	3.399	79	151473	37.643	ng		98
4) n-Nitrosodimethylamine	3.346	42	77170	37.086	ng		99
6) Aniline	6.540	93	244676	38.839	ng	#	88
8) 2-Chlorophenol	6.663	128	170496	39.386	ng		99
9) Benzaldehyde	6.428	77	120691	42.967	ng		99
10) Phenol	6.528	94	207080	39.348	ng		82
11) bis(2-Chloroethyl)ether	6.610	93	147243	39.146	ng		97
12) 1,3-Dichlorobenzene	6.816	146	191514	39.558	ng		99
13) 1,4-Dichlorobenzene	6.892	146	192667	39.445	ng		99
14) 1,2-Dichlorobenzene	7.045	146	182982	39.496	ng		100
15) Benzyl Alcohol	7.022	79	136943	40.010	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	219851	36.380	ng		88
17) 2-Methylphenol	7.134	107	129961	39.617	ng		98
18) Hexachloroethane	7.387	117	66538	38.946	ng		95
19) n-Nitroso-di-n-propyla...	7.292	70	107553	39.059	ng		98
20) 3+4-Methylphenols	7.287	107	163708	40.025	ng		95
22) Acetophenone	7.287	105	222206	39.098	ng		98
24) Nitrobenzene	7.463	77	162450	38.199	ng		98
25) Isophorone	7.704	82	291979	38.737	ng		99
26) 2-Nitrophenol	7.781	139	93437	40.333	ng		98
27) 2,4-Dimethylphenol	7.816	122	155161	38.666	ng		100
28) bis(2-Chloroethoxy)met...	7.910	93	186301	38.878	ng		100
29) 2,4-Dichlorophenol	8.022	162	141839	38.983	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	155378	38.835	ng		99
31) Naphthalene	8.187	128	490610	38.890	ng		99
32) Benzoic acid	7.939	122	72155	35.279	ng		96
33) 4-Chloroaniline	8.234	127	201664	39.314	ng		98
34) Hexachlorobutadiene	8.298	225	95500	39.023	ng		99
35) Caprolactam	8.610	113	40230	41.901	ng		92
36) 4-Chloro-3-methylphenol	8.722	107	142124	39.303	ng		98
37) 2-Methylnaphthalene	8.875	142	306009	39.127	ng		99
38) 1-Methylnaphthalene	8.975	142	315141	38.925	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	156502	38.905	ng		99
41) Hexachlorocyclopentadiene	9.028	237	92877	40.686	ng		98
43) 2,4,6-Trichlorophenol	9.157	196	100080	38.180	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143025.D
Acq On : 08 Jul 2025 10:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jul 08 12:00:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

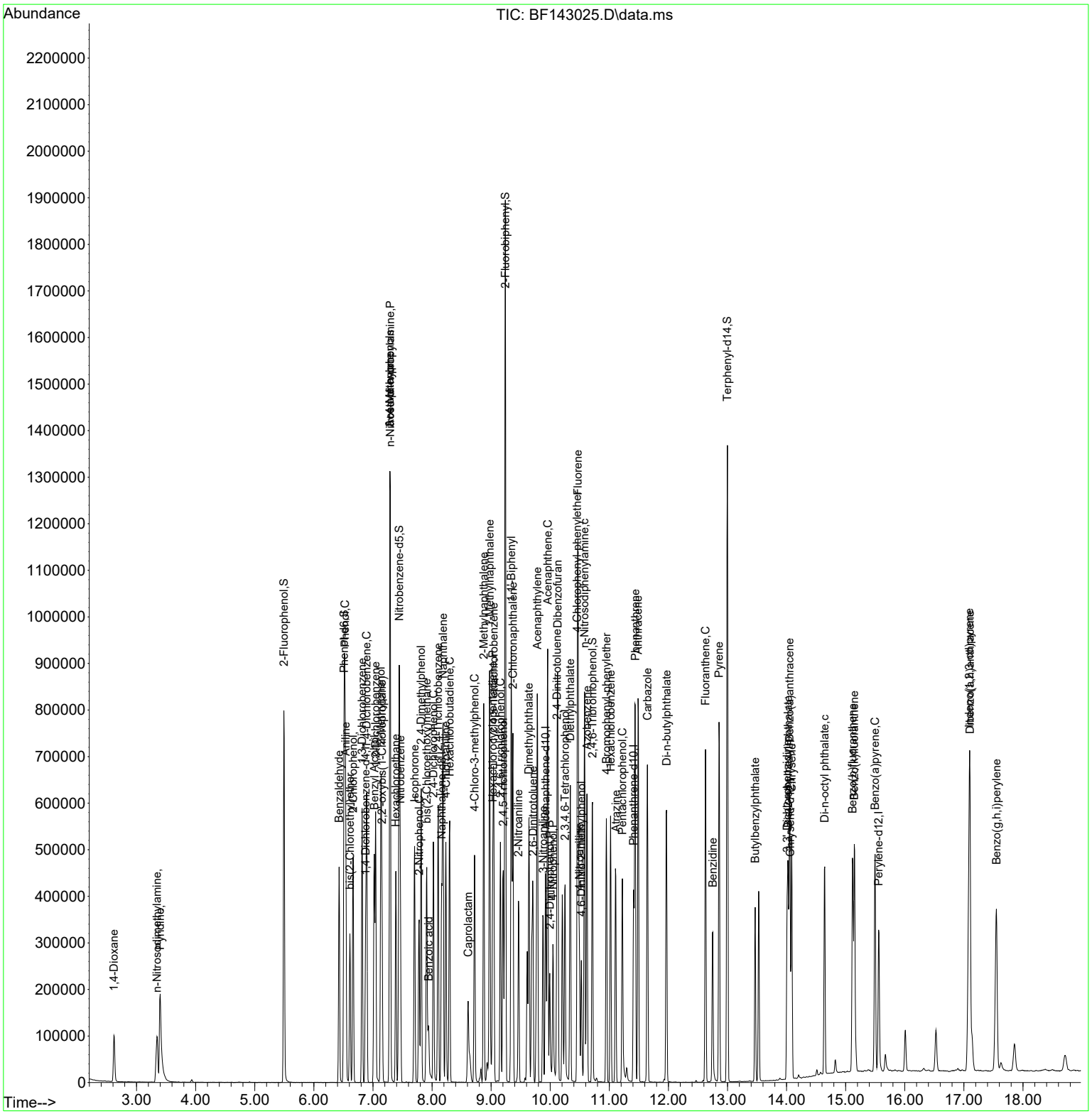
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	104339	37.813	ng	99
46) 1,1'-Biphenyl	9.339	154	410792	38.145	ng	100
47) 2-Chloronaphthalene	9.369	162	306622	37.941	ng	99
48) 2-Nitroaniline	9.463	65	88943	39.256	ng	100
49) Acenaphthylene	9.781	152	505519	37.997	ng	99
50) Dimethylphthalate	9.639	163	350801	39.752	ng	99
51) 2,6-Dinitrotoluene	9.710	165	75946	39.188	ng	95
52) Acenaphthene	9.957	154	321787m	39.643	ng	
53) 3-Nitroaniline	9.881	138	82962	38.881	ng	99
54) 2,4-Dinitrophenol	9.992	184	51195	52.757	ng	96
55) Dibenzofuran	10.128	168	445423	38.268	ng	99
56) 4-Nitrophenol	10.045	139	70555	48.300	ng	96
57) 2,4-Dinitrotoluene	10.116	165	102608	39.860	ng	95
58) Fluorene	10.469	166	354875	39.038	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.251	232	83670	37.618	ng	94
60) Diethylphthalate	10.339	149	338403	39.111	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	169854	39.156	ng	98
62) 4-Nitroaniline	10.492	138	76818	39.365	ng	98
63) Azobenzene	10.622	77	293688	37.977	ng	98
65) 4,6-Dinitro-2-methylph...	10.528	198	52231	39.580	ng	99
66) n-Nitrosodiphenylamine	10.580	169	298183	39.436	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	100343	40.413	ng	97
68) Hexachlorobenzene	11.022	284	109501	39.689	ng	99
69) Atrazine	11.110	200	82526	42.266	ng	100
70) Pentachlorophenol	11.222	266	80900	58.845	ng	97
71) Phenanthrene	11.439	178	458805	38.822	ng	100
72) Anthracene	11.486	178	475083	39.196	ng	100
73) Carbazole	11.645	167	396286	37.887	ng	100
74) Di-n-butylphthalate	11.969	149	445869	40.919	ng	100
75) Fluoranthene	12.627	202	418605	37.322	ng	100
77) Benzidine	12.751	184	200477	48.779	ng	99
78) Pyrene	12.857	202	467410	45.585	ng	99
80) Butylbenzylphthalate	13.469	149	125308	42.130	ng	96
81) Benzo(a)anthracene	14.051	228	286505	38.824	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	97033	40.538	ng	99
83) Chrysene	14.086	228	253970	38.568	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	169570	39.625	ng	100
85) Di-n-octyl phthalate	14.645	149	323589	40.101	ng	98
87) Indeno(1,2,3-cd)pyrene	17.092	276	408600	39.633	ng	99
88) Benzo(b)fluoranthene	15.115	252	306592	39.146	ng	100
89) Benzo(k)fluoranthene	15.145	252	268010	36.576	ng	100
90) Benzo(a)pyrene	15.498	252	295042	38.995	ng	99
91) Dibenzo(a,h)anthracene	17.104	278	326448	38.971	ng	98
92) Benzo(g,h,i)perylene	17.551	276	324337	38.829	ng	98

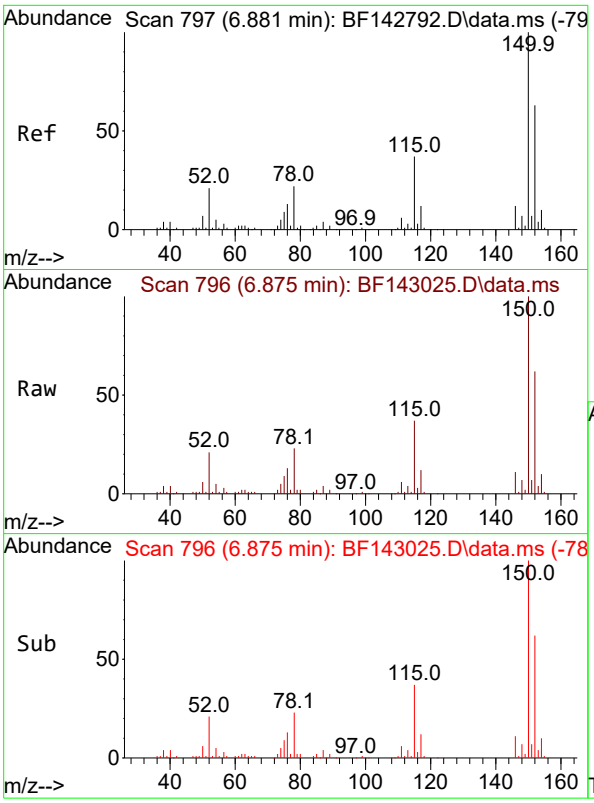
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143025.D
Acq On : 08 Jul 2025 10:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jul 08 12:00:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



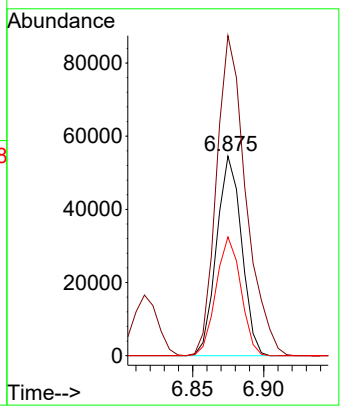


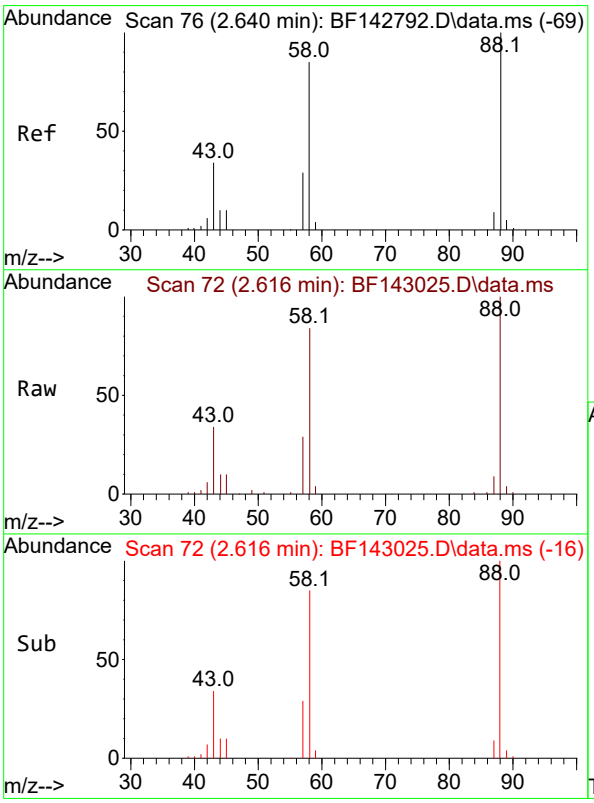
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 66813

Ion	Ratio	Lower	Upper
152	100		
150	160.3	127.2	190.8
115	59.5	46.6	69.8

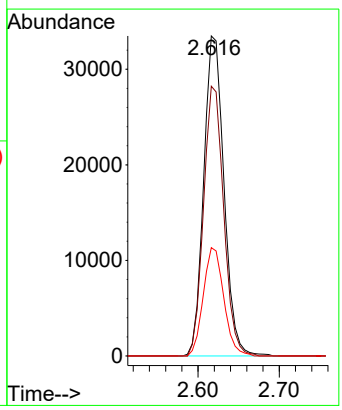


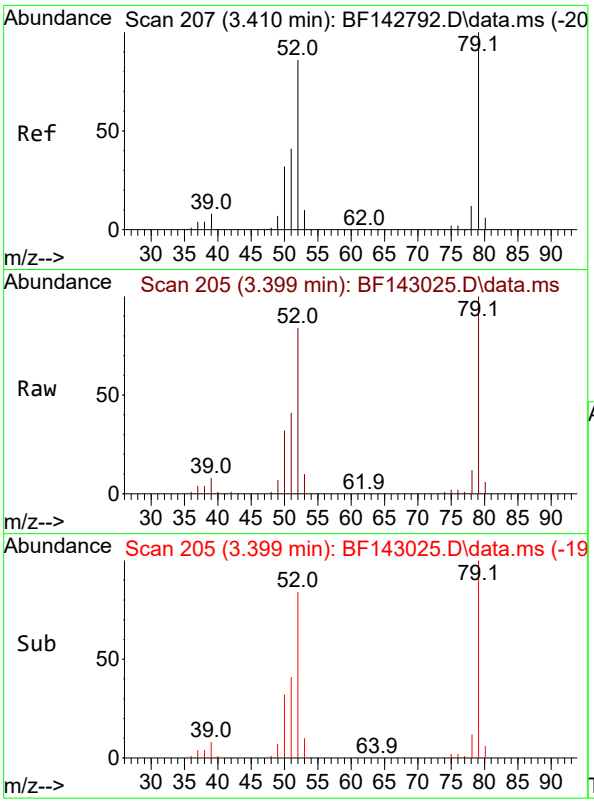


#2
1,4-Dioxane
Concen: 36.124 ng
RT: 2.616 min Scan# 72
Delta R.T. -0.023 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion: 88 Resp: 57982

Ion	Ratio	Lower	Upper
88	100		
58	83.7	69.1	103.7
43	34.2	27.4	41.2



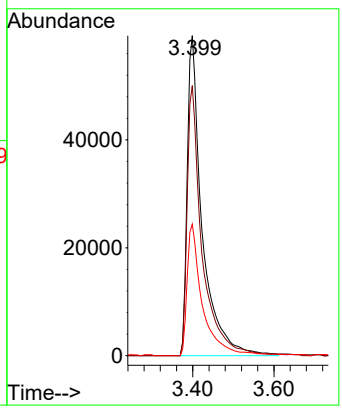


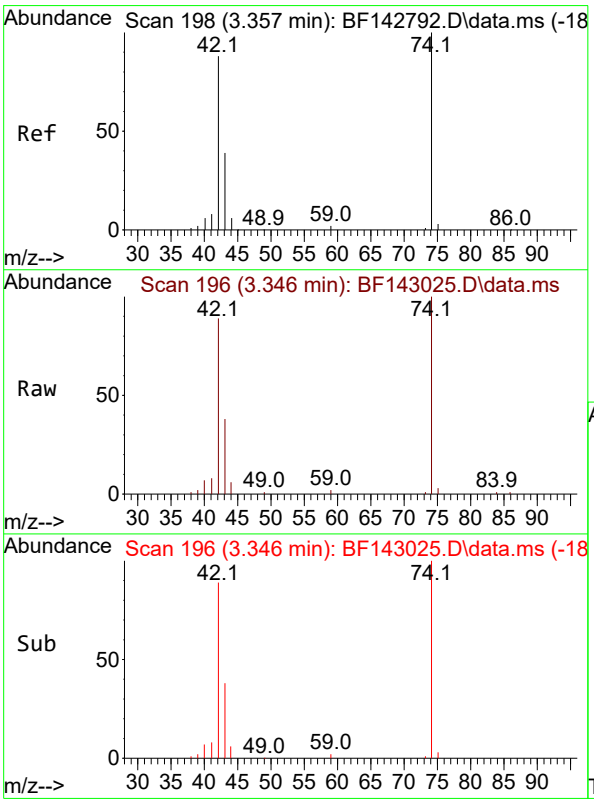
#3
Pyridine
Concen: 37.643 ng
RT: 3.399 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 151473

Ion	Ratio	Lower	Upper
79	100		
52	84.4	69.2	103.8
51	41.1	33.2	49.8

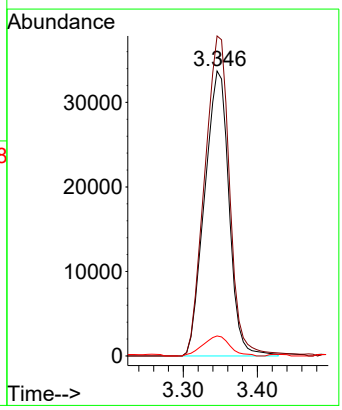


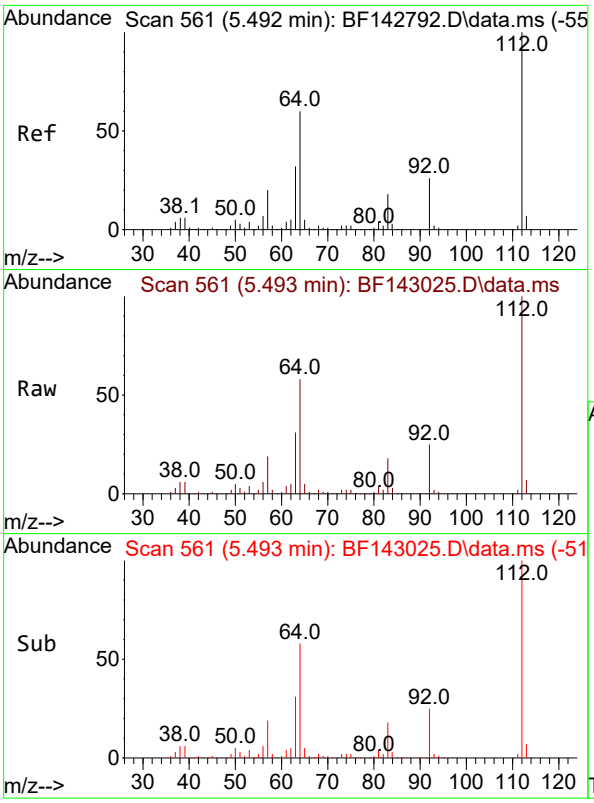


#4
n-Nitrosodimethylamine
Concen: 37.086 ng
RT: 3.346 min Scan# 196
Delta R.T. -0.012 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion: 42 Resp: 77170

Ion	Ratio	Lower	Upper
42	100		
74	112.3	90.9	136.3
44	7.0	5.8	8.6



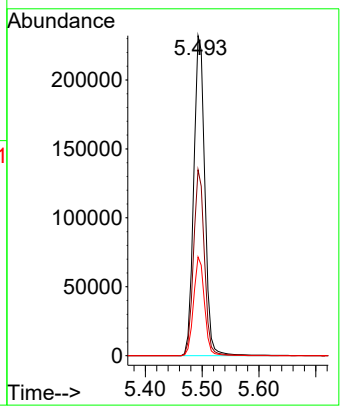


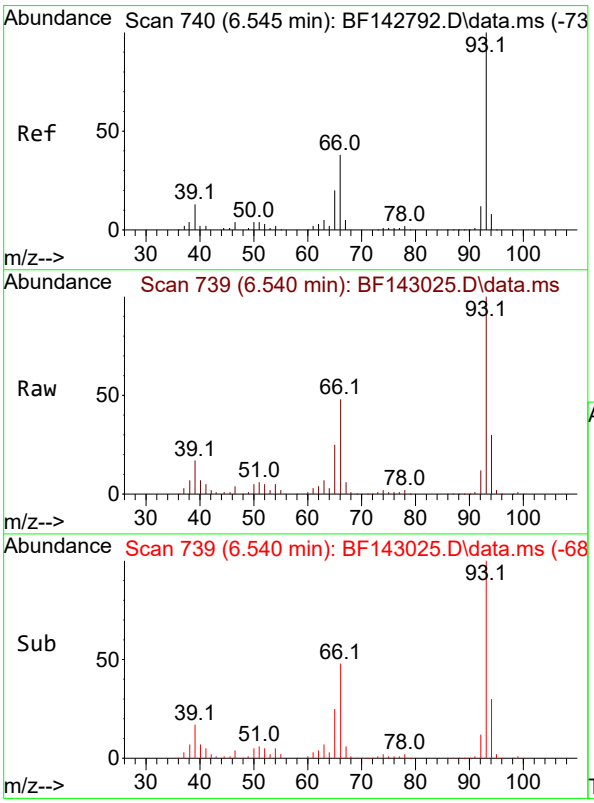
#5
2-Fluorophenol
Concen: 78.806 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.001 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 316247

Ion	Ratio	Lower	Upper
112	100		
64	58.1	48.2	72.2
63	30.8	25.7	38.5

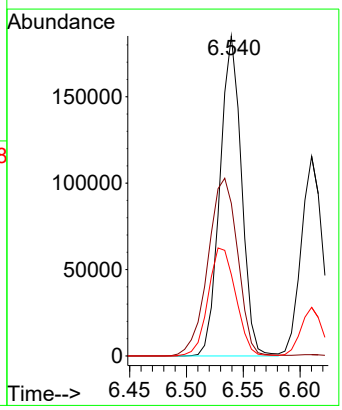


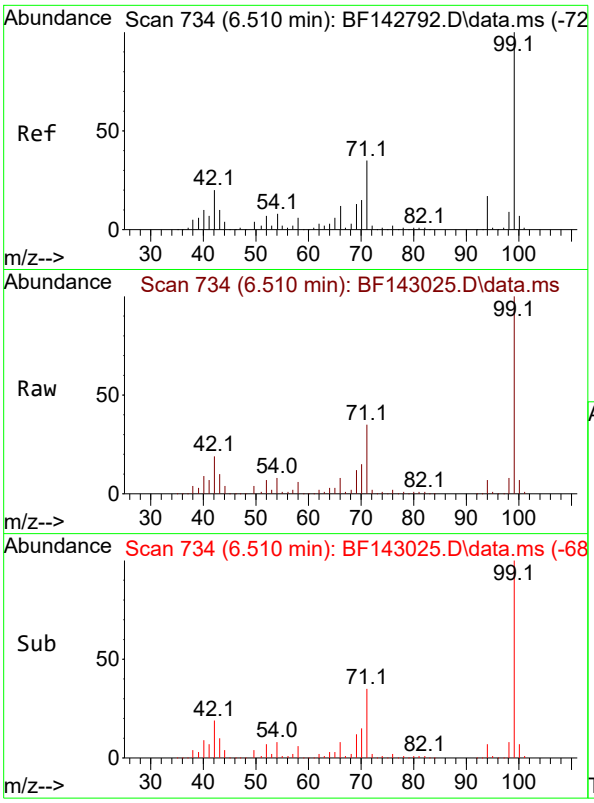


#6
Aniline
Concen: 38.839 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion: 93 Resp: 244676

Ion	Ratio	Lower	Upper
93	100		
66	47.7	31.8	47.6#
65	25.4	16.2	24.2#



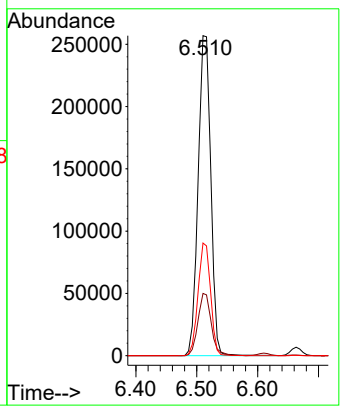


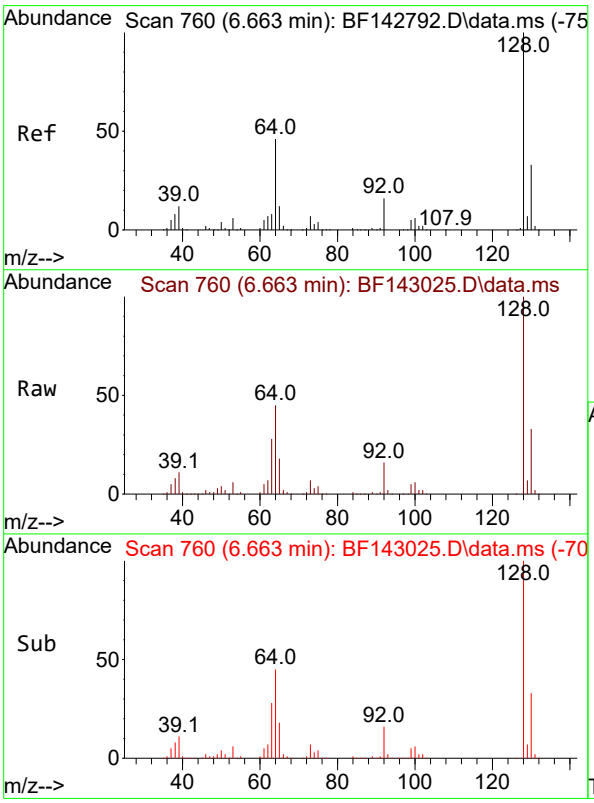
#7
Phenol-d6
Concen: 78.144 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 369973

Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.9	23.9
71	35.2	27.8	41.8

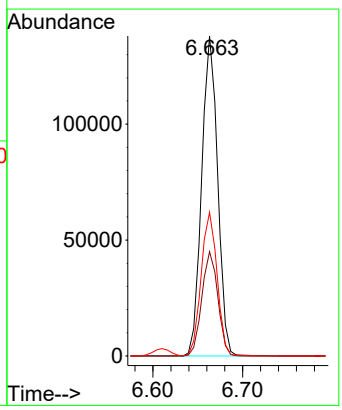


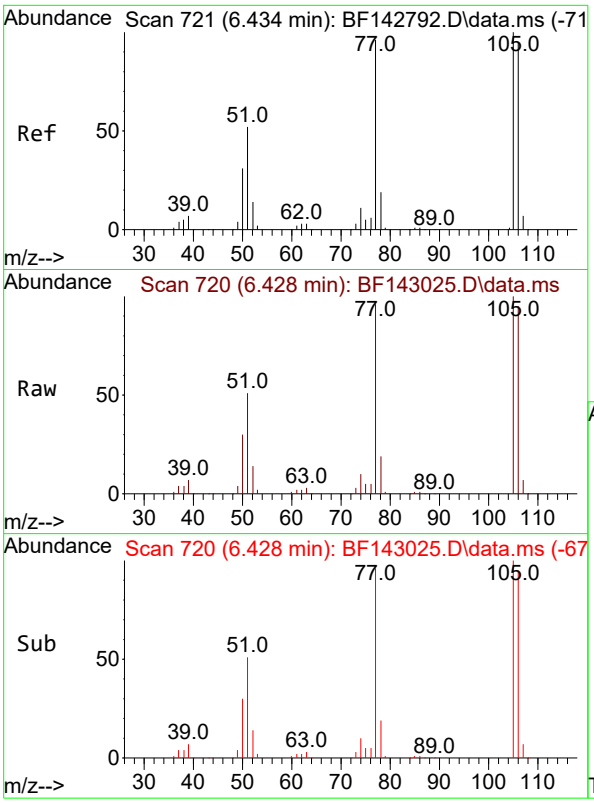


#8
2-Chlorophenol
Concen: 39.386 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:128 Resp: 170496

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.7	52.7
64	44.9	26.5	66.5



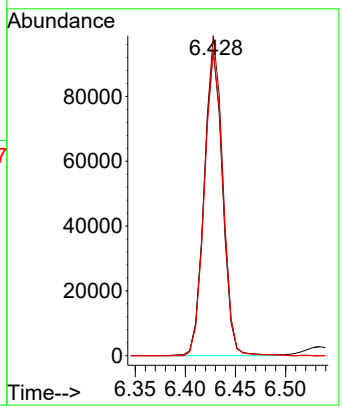


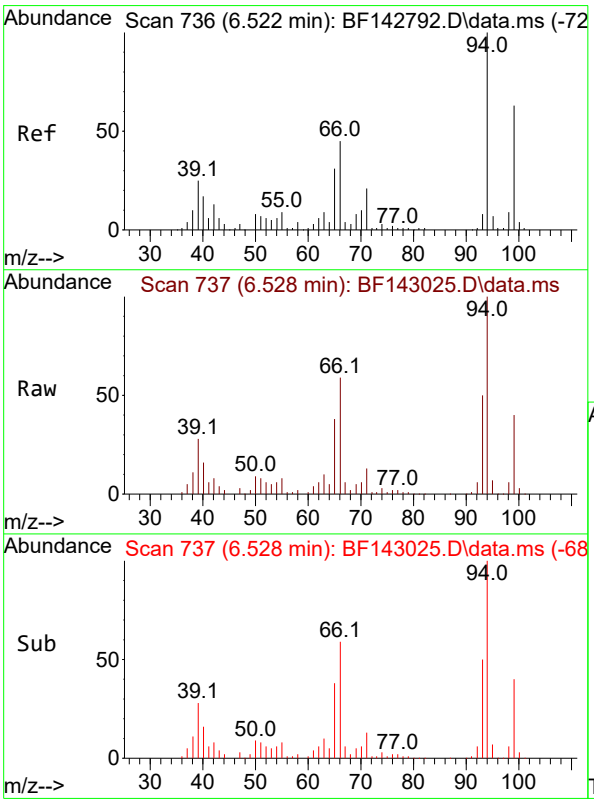
#9
Benzaldehyde
Concen: 42.967 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 120691

Ion	Ratio	Lower	Upper
77	100		
105	104.7	83.8	123.8
106	99.7	78.7	118.7

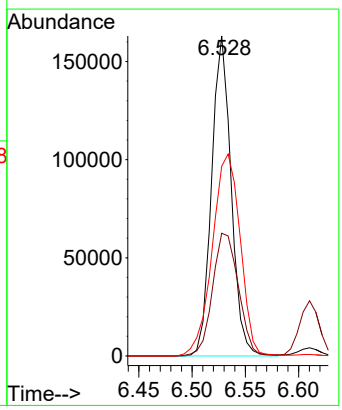


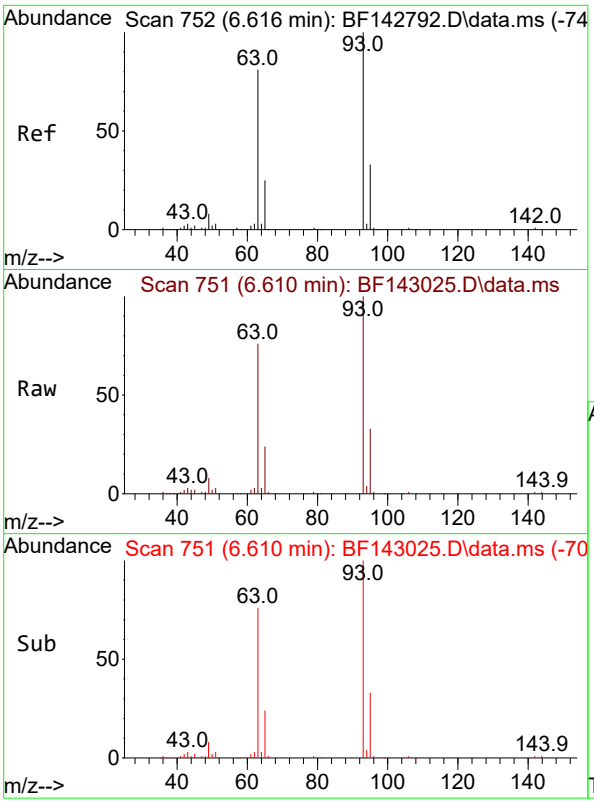


#10
Phenol
Concen: 39.348 ng
RT: 6.528 min Scan# 737
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion: 94 Resp: 207080

Ion	Ratio	Lower	Upper
94	100		
65	38.3	11.3	51.3
66	59.3	24.9	64.9



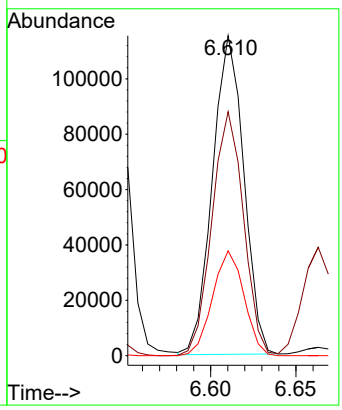


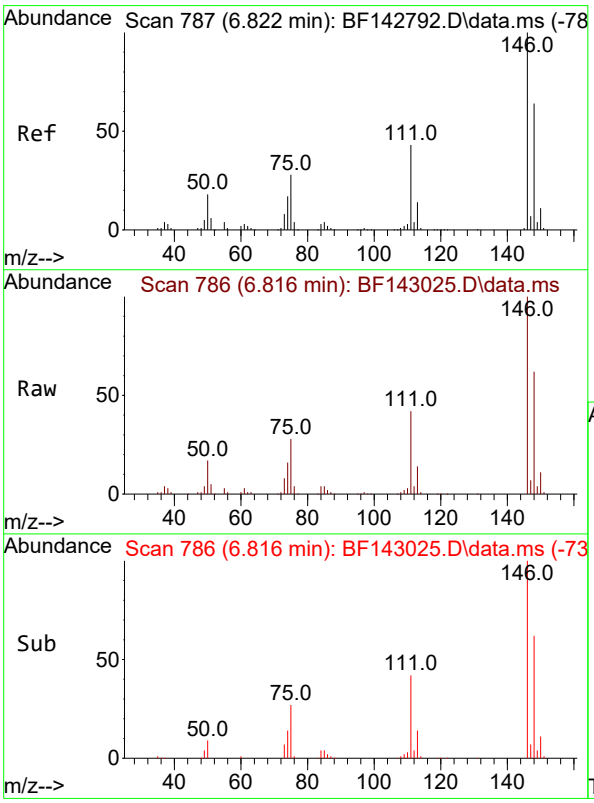
#11
bis(2-Chloroethyl)ether
Concen: 39.146 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 147243

Ion	Ratio	Lower	Upper
93	100		
63	76.3	60.3	100.3
95	32.7	12.5	52.5

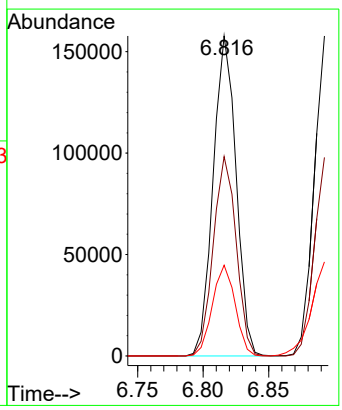


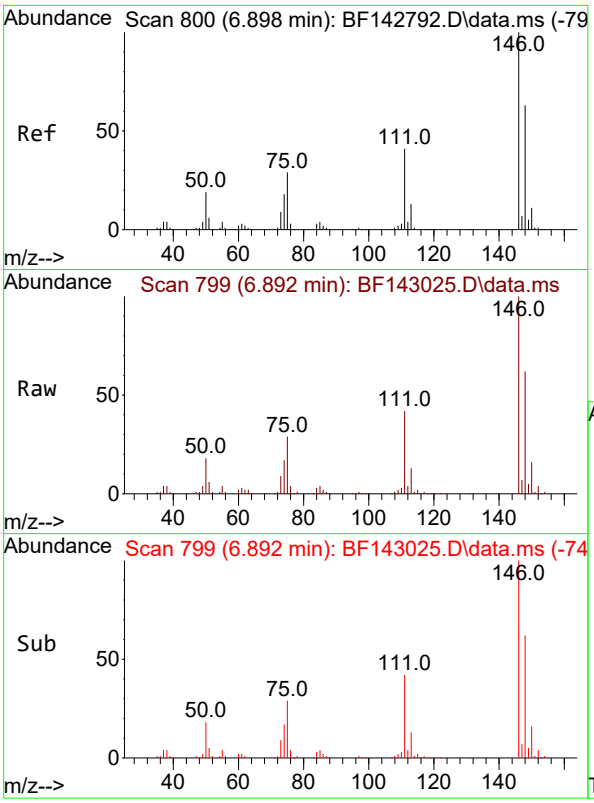


#12
1,3-Dichlorobenzene
Concen: 39.558 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:146 Resp: 191514

Ion	Ratio	Lower	Upper
146	100		
148	62.3	51.1	76.7
75	28.3	22.7	34.1



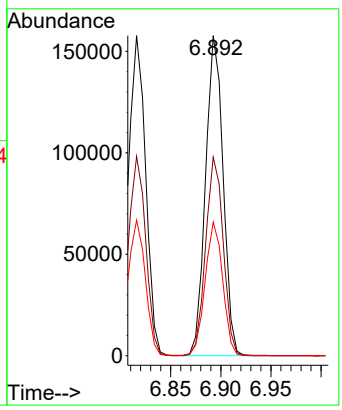


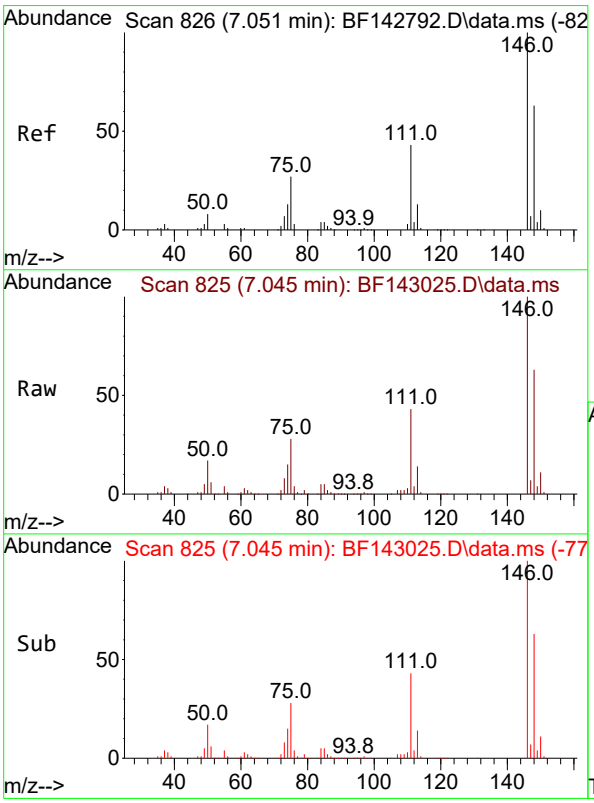
#13
1,4-Dichlorobenzene
Concen: 39.445 ng
RT: 6.892 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 192667

Ion	Ratio	Lower	Upper
146	100		
148	62.1	50.2	75.2
111	41.7	33.2	49.8

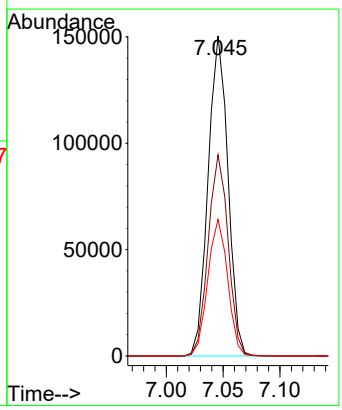


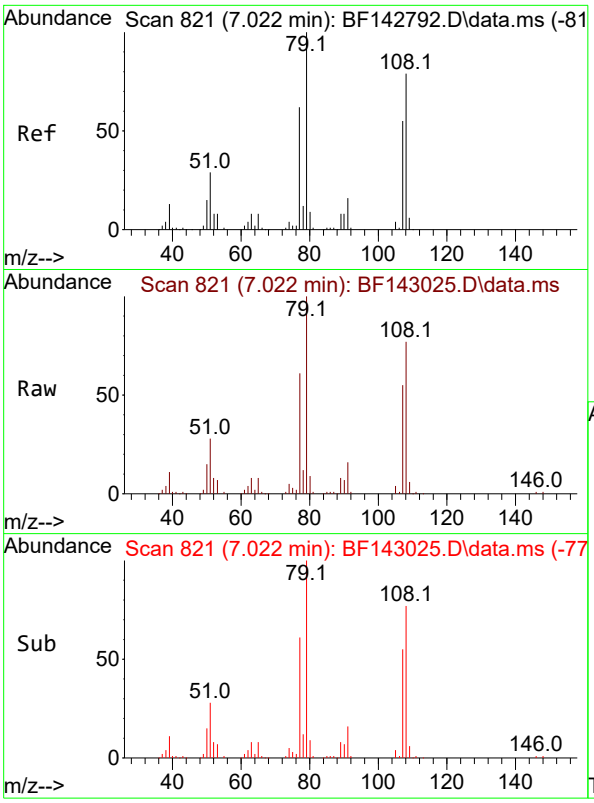


#14
1,2-Dichlorobenzene
Concen: 39.496 ng
RT: 7.045 min Scan# 825
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:146 Resp: 182982

Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.4	75.6
111	42.7	34.1	51.1



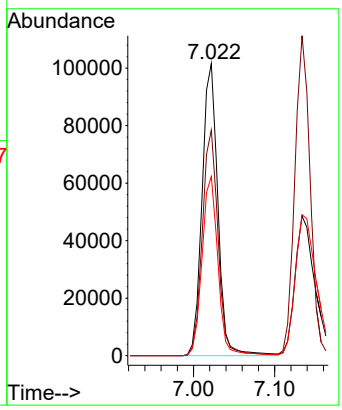


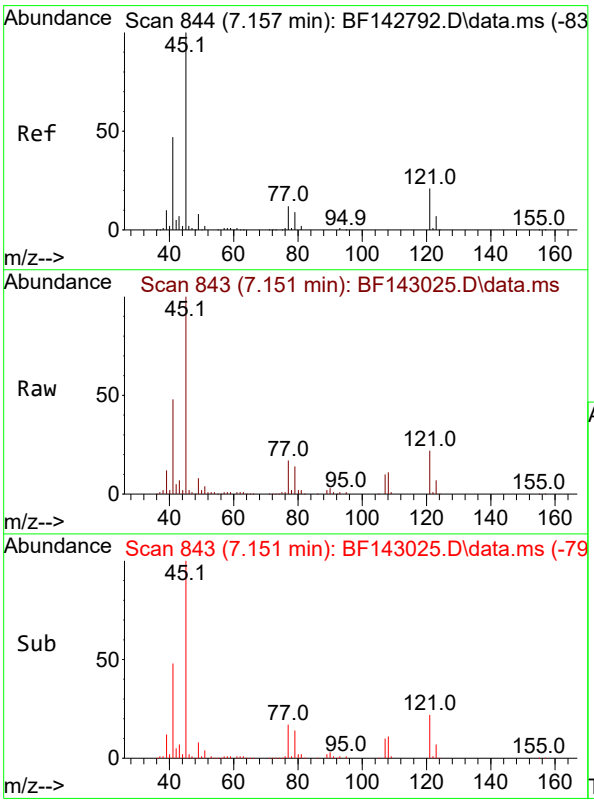
#15
Benzyl Alcohol
Concen: 40.010 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 136943

Ion	Ratio	Lower	Upper
79	100		
108	77.2	63.4	95.0
77	61.4	49.5	74.3

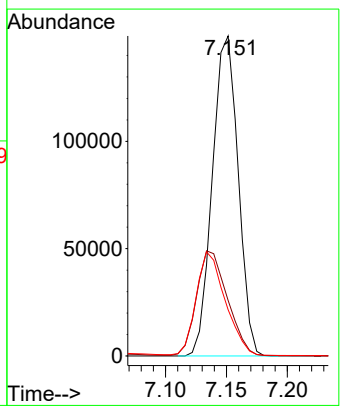


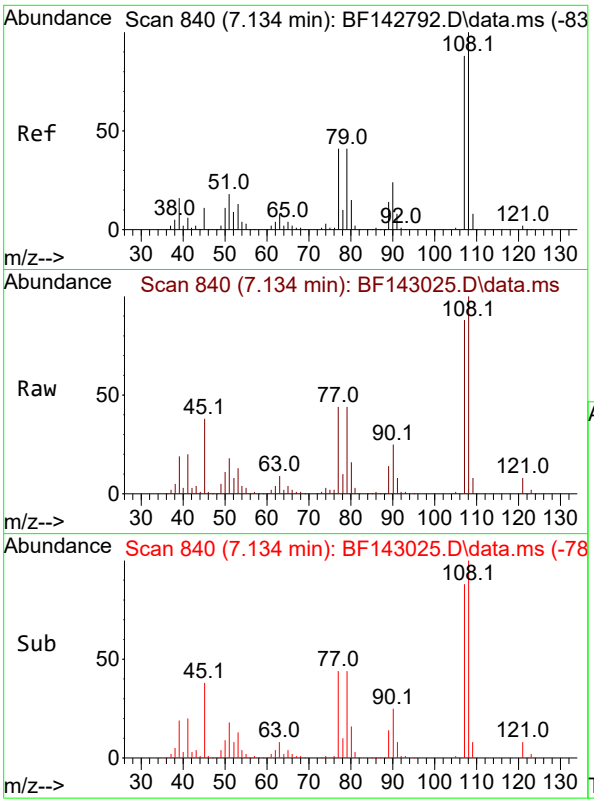


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.380 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion: 45 Resp: 219851

Ion	Ratio	Lower	Upper
45	100		
77	17.3	0.0	32.8
79	14.5	0.0	29.8



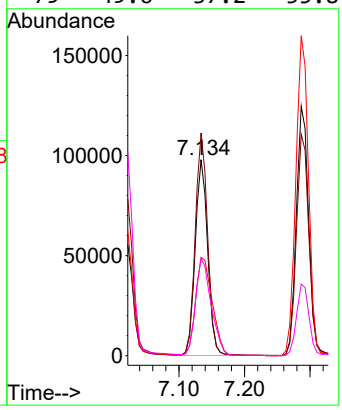


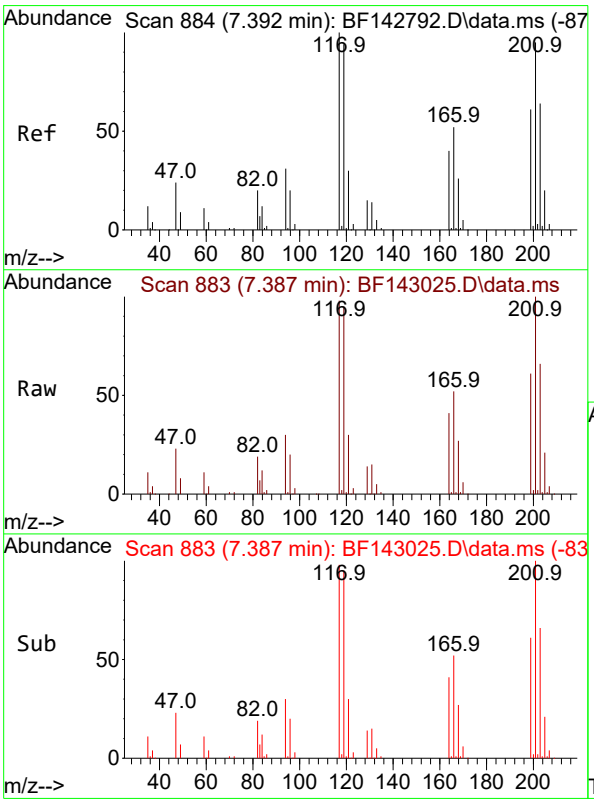
#17
2-Methylphenol
Concen: 39.617 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 129961

Ion	Ratio	Lower	Upper
107	100		
108	113.6	90.9	136.3
77	50.1	37.3	55.9
79	49.6	37.2	55.8

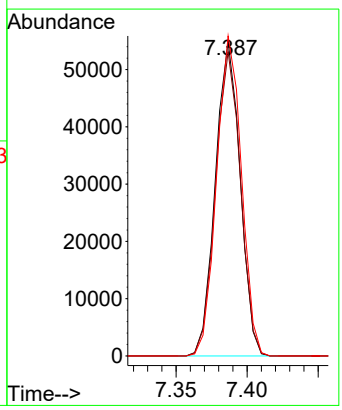


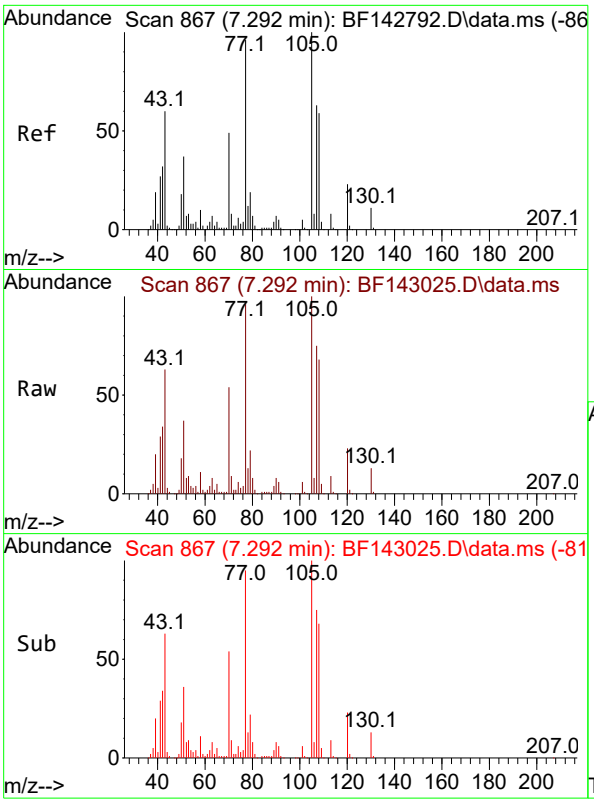


#18
Hexachloroethane
Concen: 38.946 ng
RT: 7.387 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:117 Resp: 66538

Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.4	113.0
201	101.7	75.9	113.9



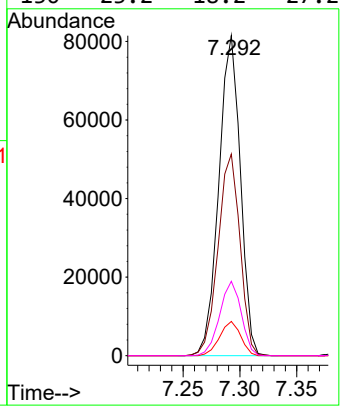


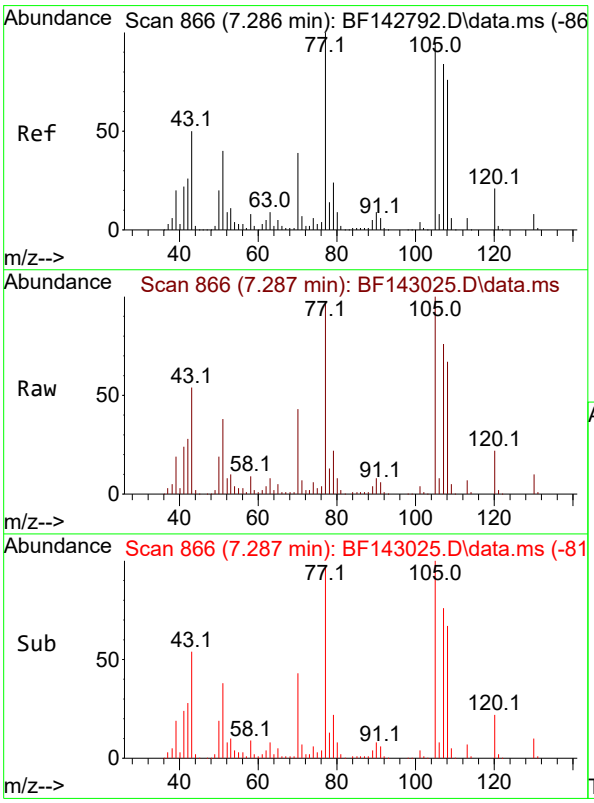
#19
n-Nitroso-di-n-propylamine
Concen: 39.059 ng
RT: 7.292 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 107553

Ion	Ratio	Lower	Upper
70	100		
42	63.0	52.1	78.1
101	10.7	8.2	12.2
130	23.2	18.2	27.2

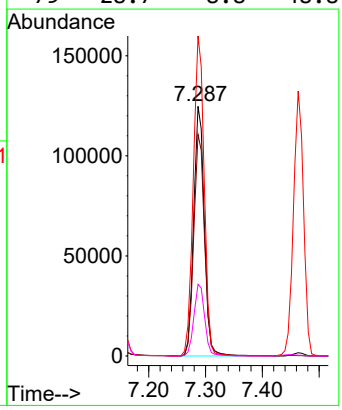


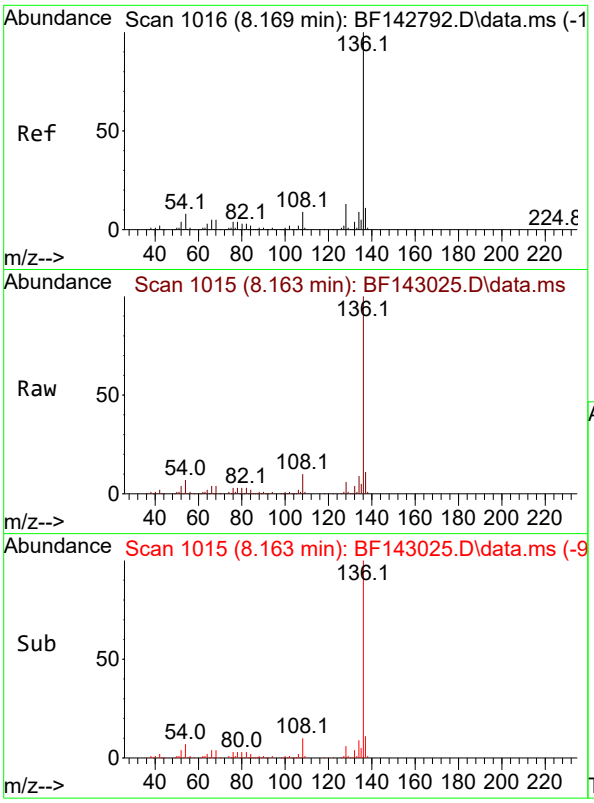


#20
3+4-Methylphenols
Concen: 40.025 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:107 Resp: 163708

Ion	Ratio	Lower	Upper
107	100		
108	88.7	70.0	110.0
77	128.2	98.5	138.5
79	28.7	8.8	48.8



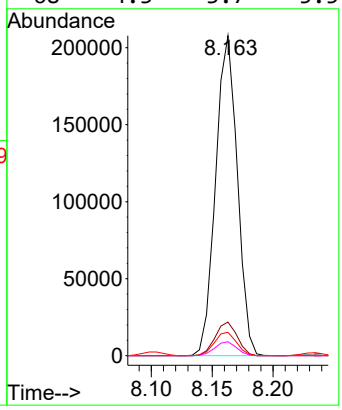


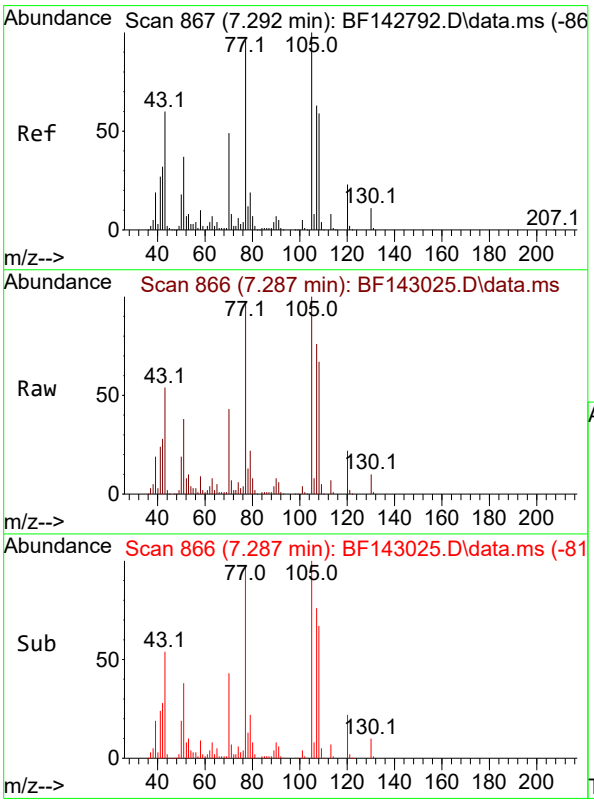
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 257725

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	7.3	6.3	9.5
68	4.3	3.7	5.5

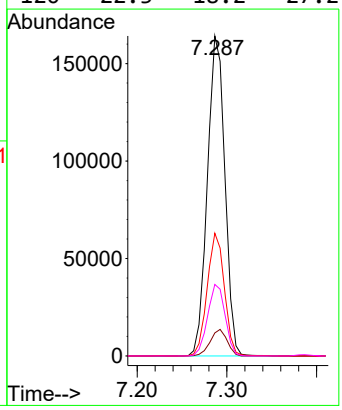


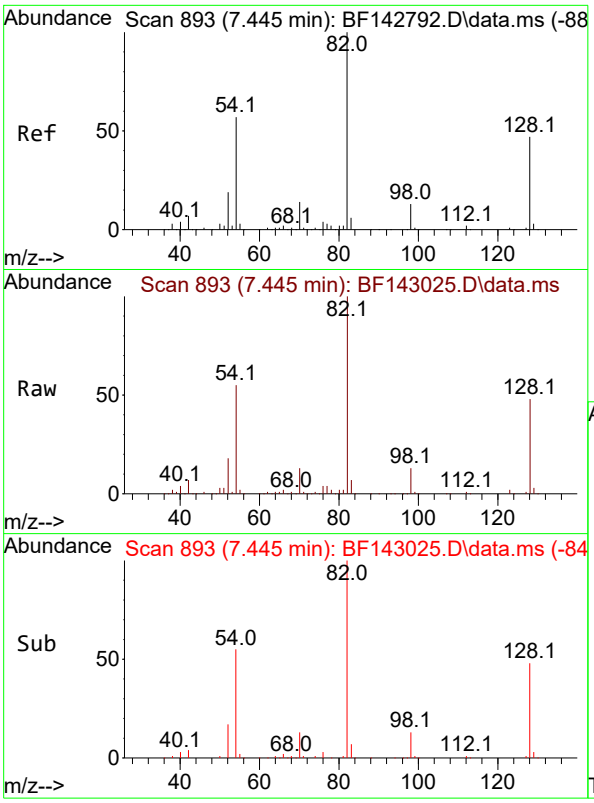


#22
Acetophenone
Concen: 39.098 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:105 Resp: 222206

Ion	Ratio	Lower	Upper
105	100		
71	7.2	6.5	9.7
51	38.3	29.8	44.8
120	22.3	18.2	27.2



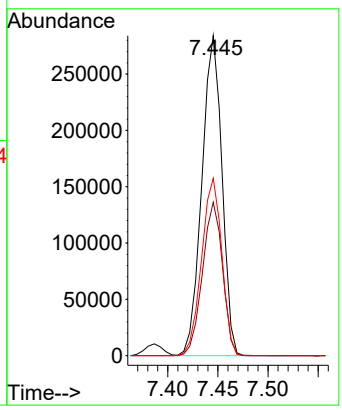


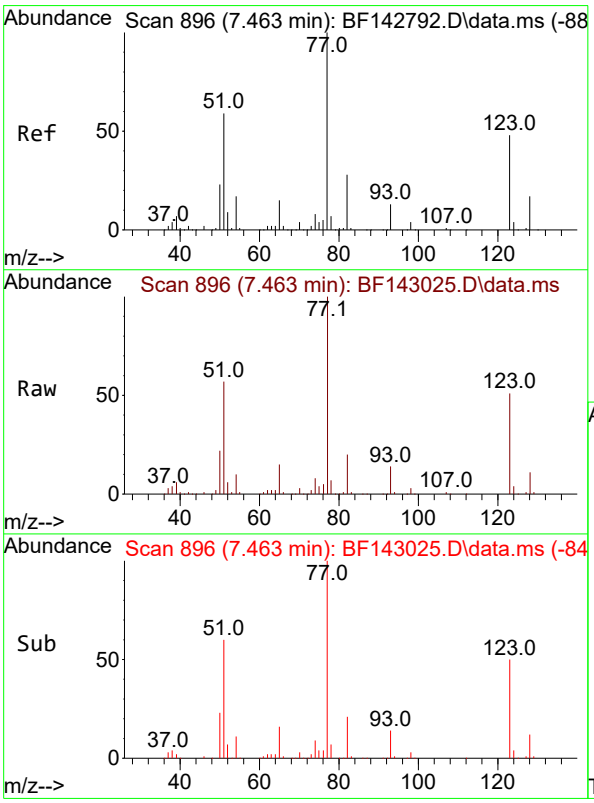
#23
Nitrobenzene-d5
Concen: 84.546 ng
RT: 7.445 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 397254

Ion	Ratio	Lower	Upper
82	100		
128	48.0	37.7	56.5
54	55.4	45.7	68.5

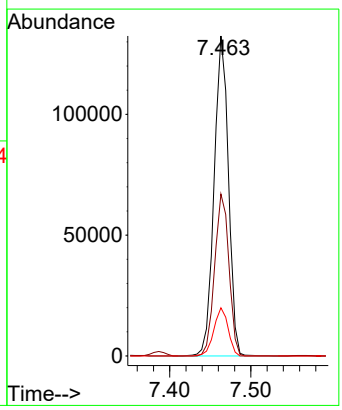


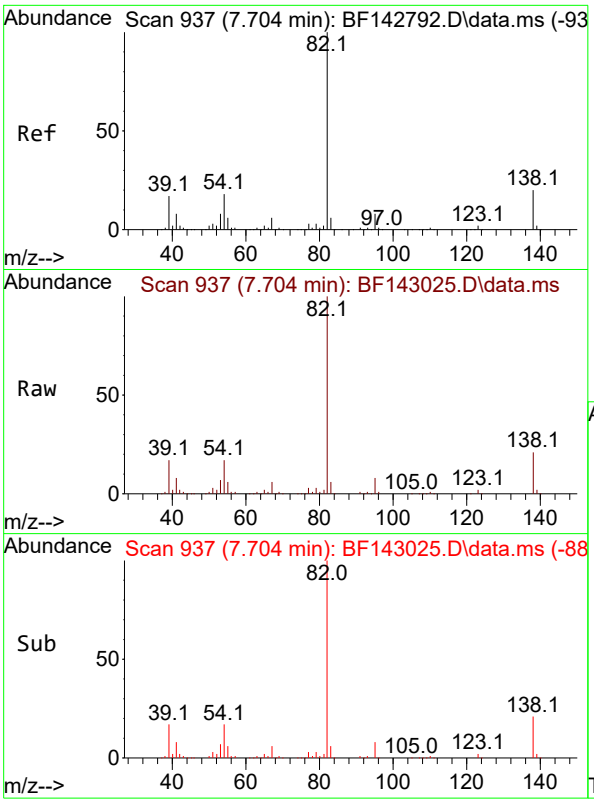


#24
Nitrobenzene
Concen: 38.199 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion: 77 Resp: 162450

Ion	Ratio	Lower	Upper
77	100		
123	50.6	39.2	58.8
65	15.0	11.6	17.4



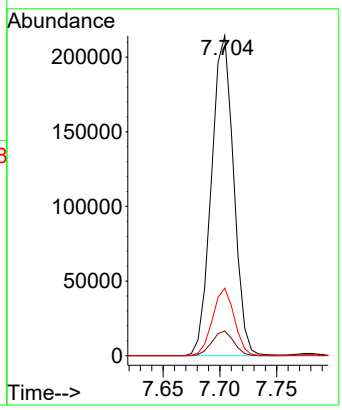


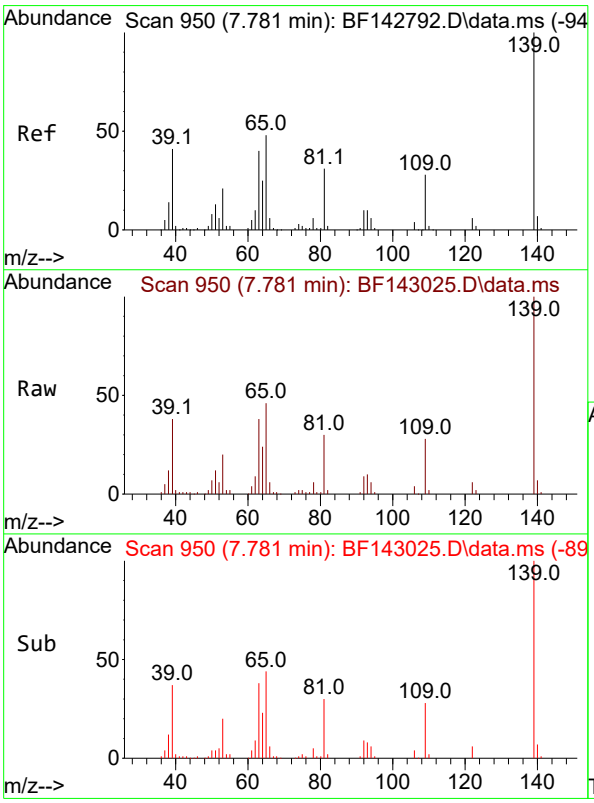
#25
Isophorone
Concen: 38.737 ng
RT: 7.704 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 291979

Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.2	9.2
138	21.0	16.2	24.4

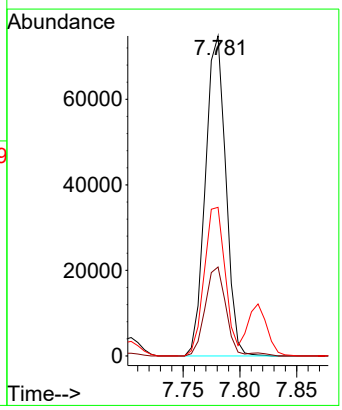


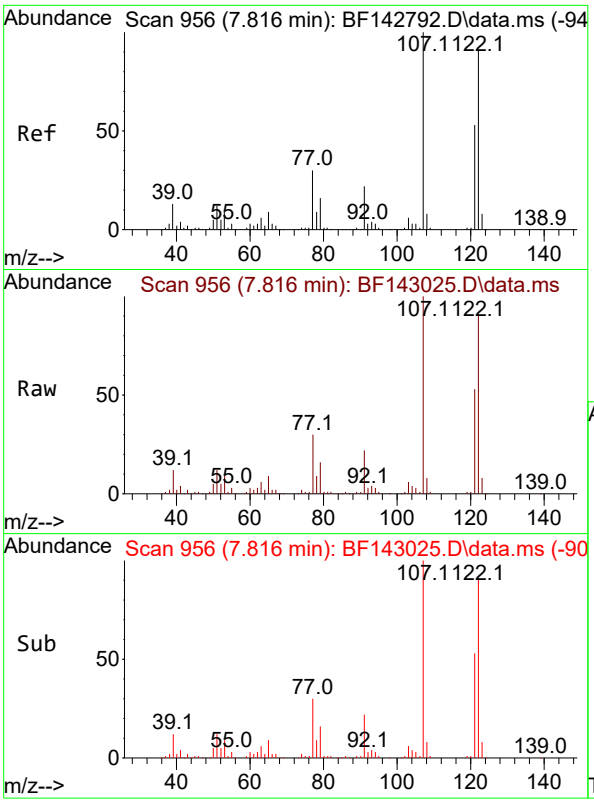


#26
2-Nitrophenol
Concen: 40.333 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:139 Resp: 93437

Ion	Ratio	Lower	Upper
139	100		
109	27.8	22.7	34.1
65	46.4	38.6	58.0



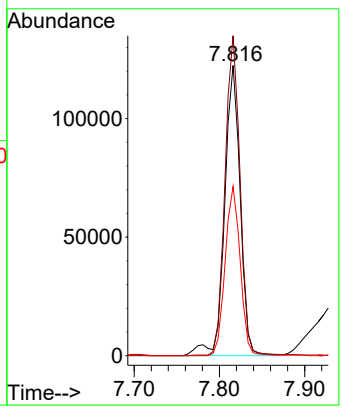


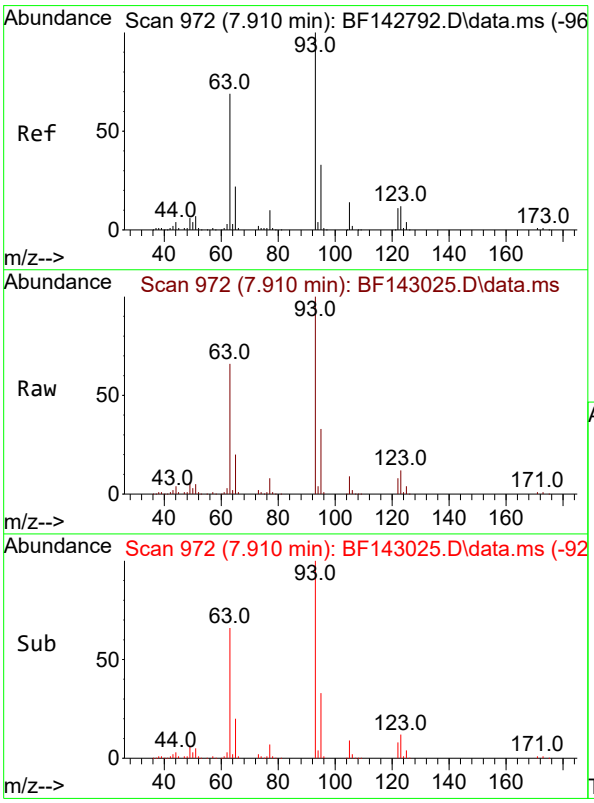
#27
2,4-Dimethylphenol
Concen: 38.666 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 155161

Ion	Ratio	Lower	Upper
122	100		
107	110.3	88.0	132.0
121	58.3	46.3	69.5

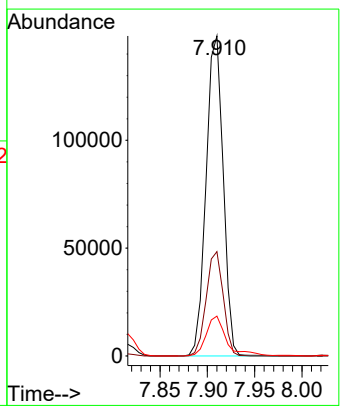


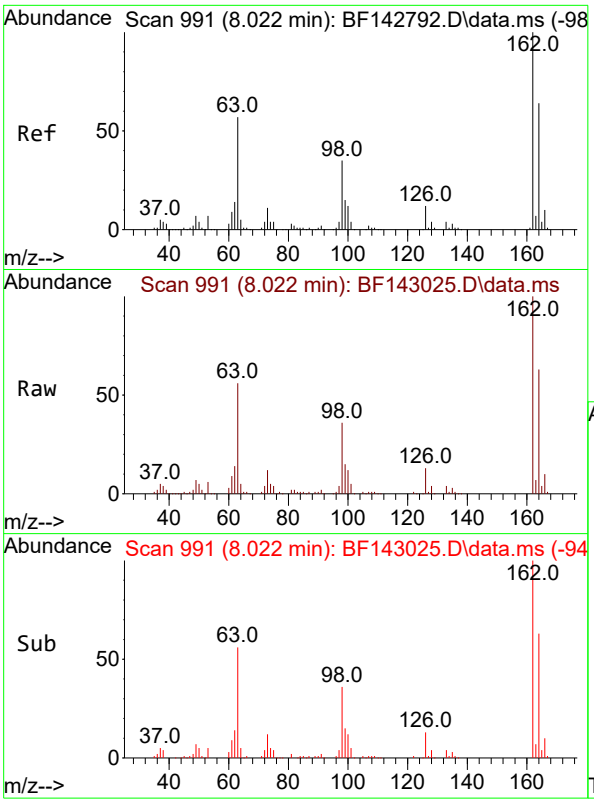


#28
bis(2-Chloroethoxy)methane
Concen: 38.878 ng
RT: 7.910 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion: 93 Resp: 186301

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.2
123	12.4	9.9	14.9



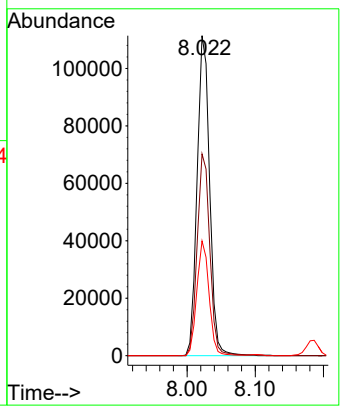


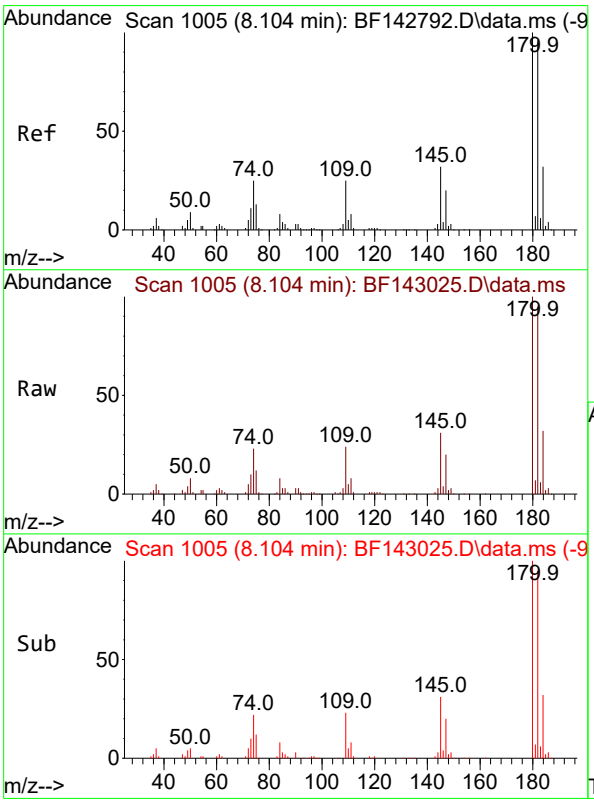
#29
2,4-Dichlorophenol
Concen: 38.983 ng
RT: 8.022 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 141839

Ion	Ratio	Lower	Upper
162	100		
164	63.1	44.0	84.0
98	35.9	15.4	55.4

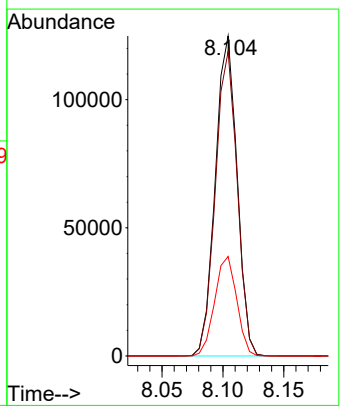


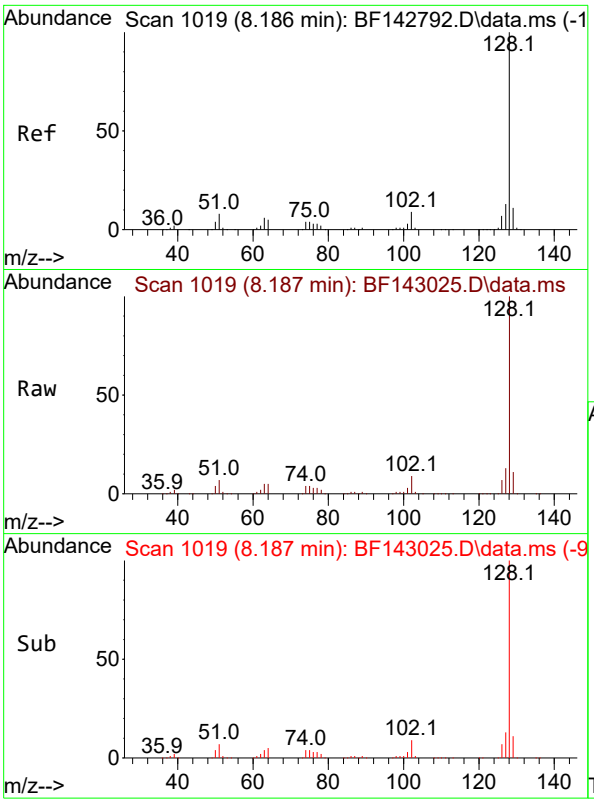


#30
1,2,4-Trichlorobenzene
Concen: 38.835 ng
RT: 8.104 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:180 Resp: 155378

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.4	114.6
145	31.1	25.8	38.8



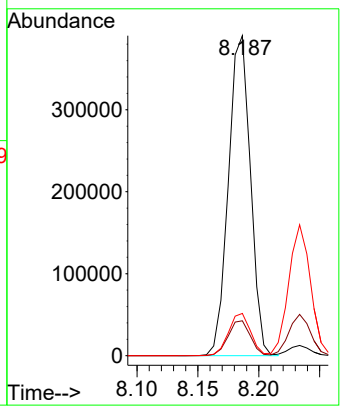


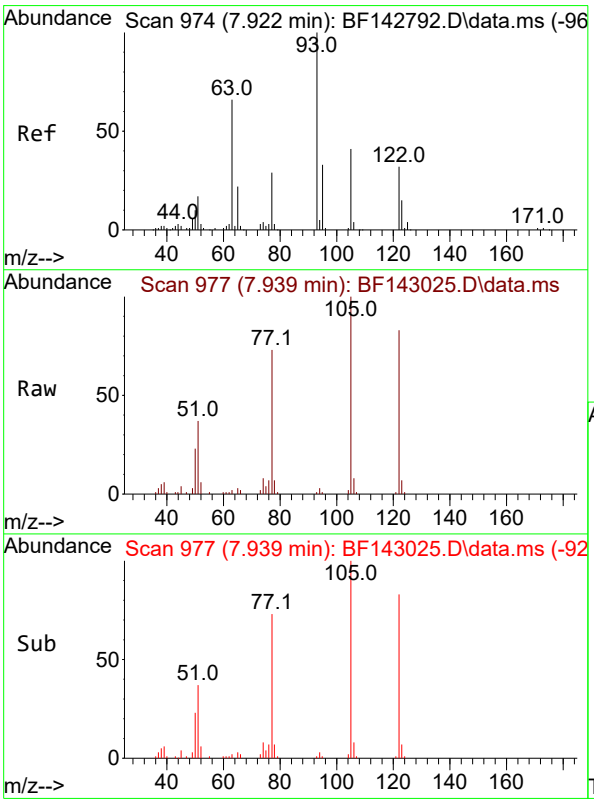
#31
Naphthalene
Concen: 38.890 ng
RT: 8.187 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 490610

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.2	10.4	15.6

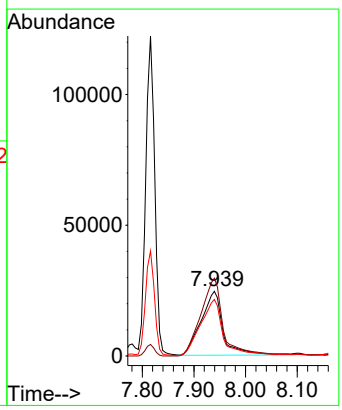


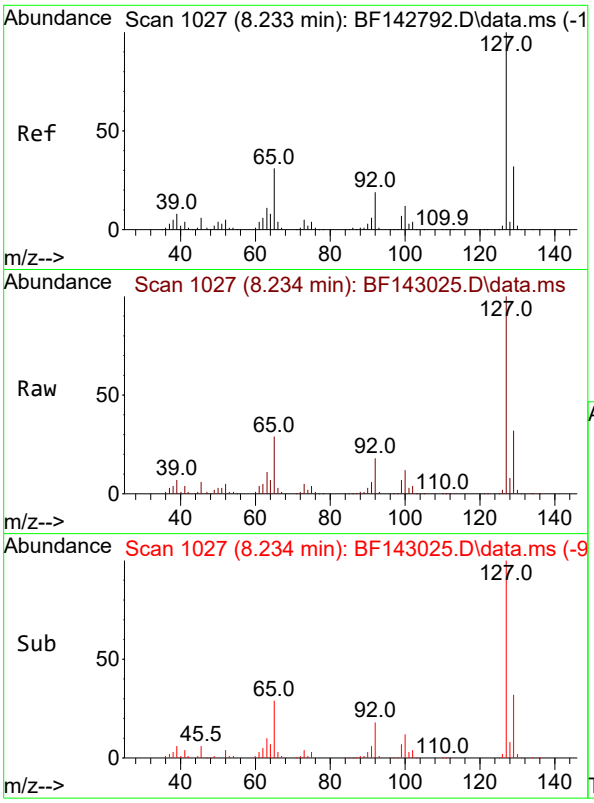


#32
Benzoic acid
Concen: 35.279 ng
RT: 7.939 min Scan# 977
Delta R.T. 0.018 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:122 Resp: 72155

Ion	Ratio	Lower	Upper
122	100		
105	120.3	104.7	144.7
77	87.4	70.2	110.2



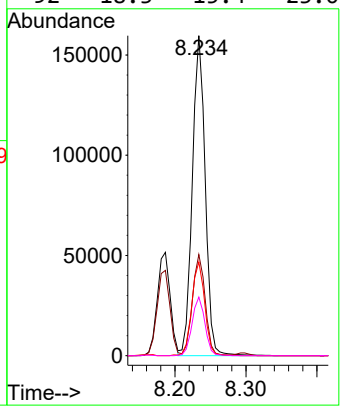


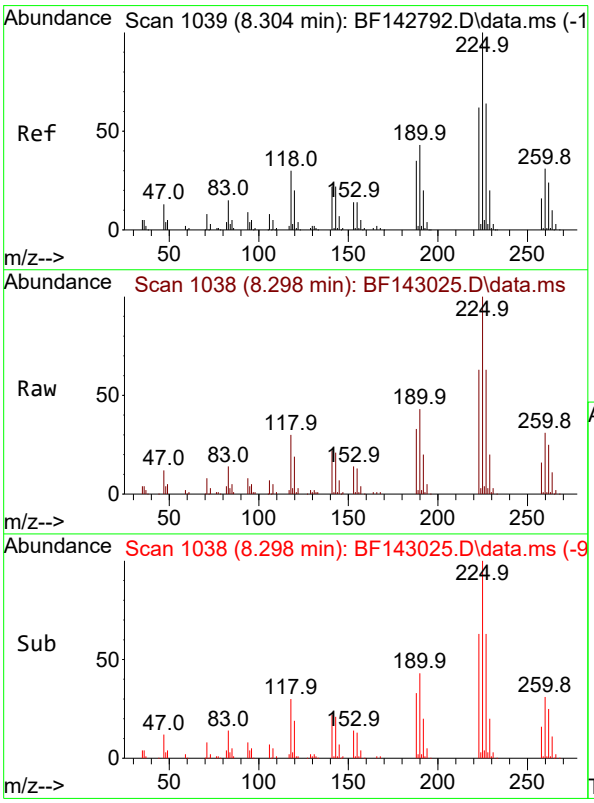
#33
4-Chloroaniline
Concen: 39.314 ng
RT: 8.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 201664

Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.9	38.9
65	29.3	24.6	36.8
92	18.3	15.4	23.0

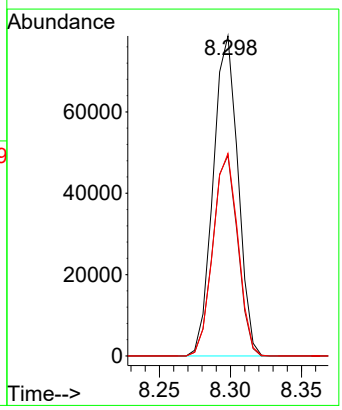


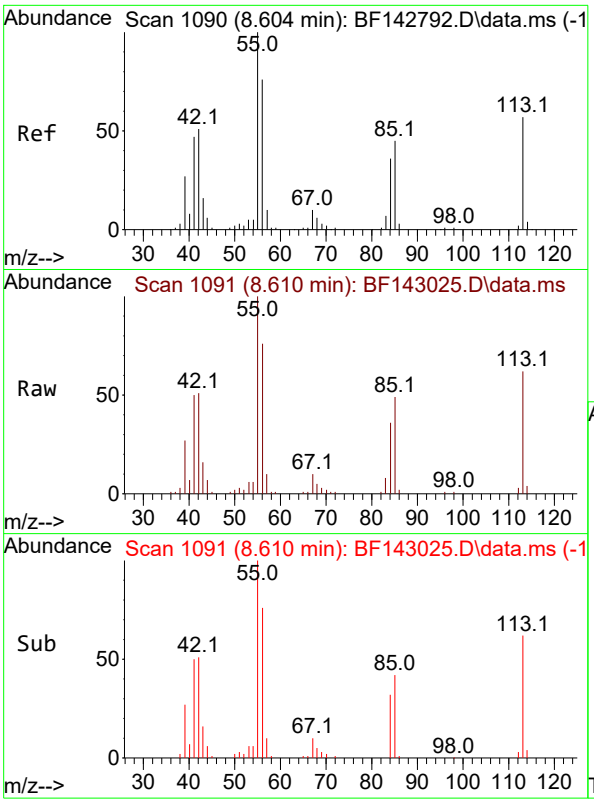


#34
Hexachlorobutadiene
Concen: 39.023 ng
RT: 8.298 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:225 Resp: 95500

Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.9	74.9
227	63.3	51.4	77.0



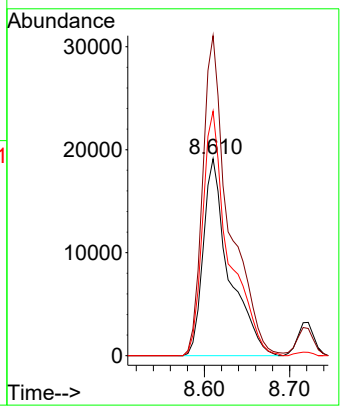


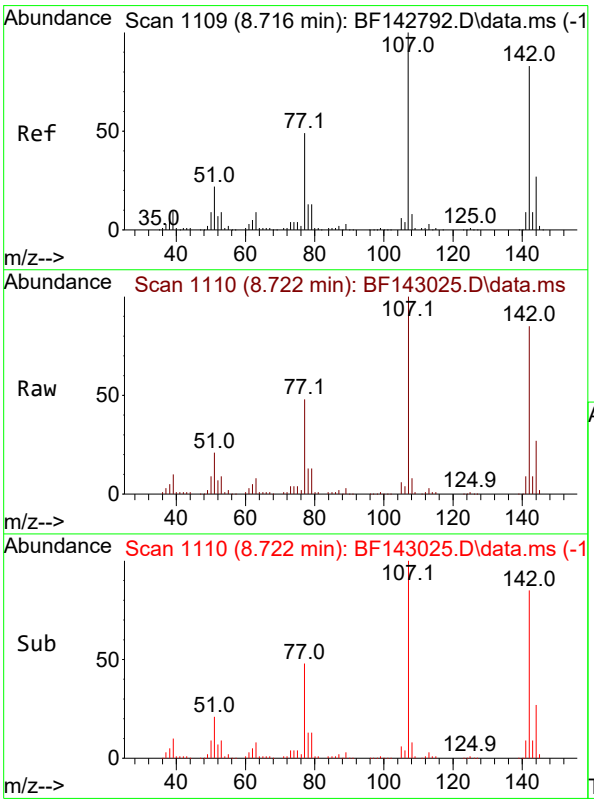
#35
Caprolactam
Concen: 41.901 ng
RT: 8.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 40230

Ion	Ratio	Lower	Upper
113	100		
55	162.4	154.4	194.4
56	124.1	112.1	152.1

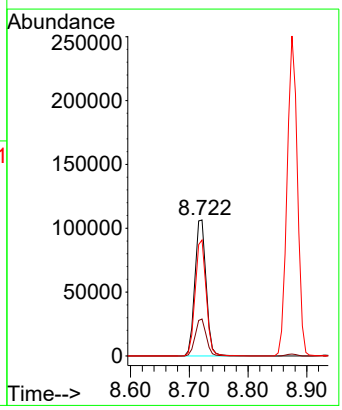


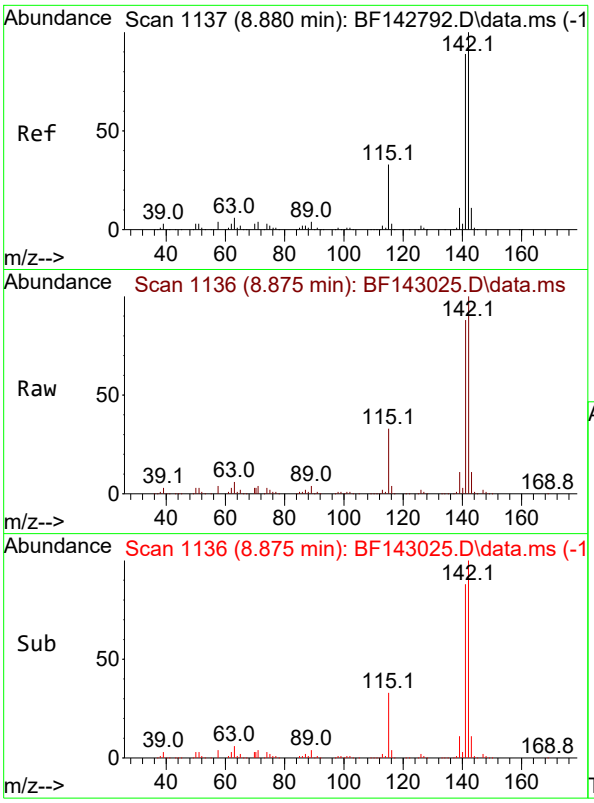


#36
4-Chloro-3-methylphenol
Concen: 39.303 ng
RT: 8.722 min Scan# 1110
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:107 Resp: 142124

Ion	Ratio	Lower	Upper
107	100		
144	27.2	21.3	31.9
142	85.2	66.6	100.0



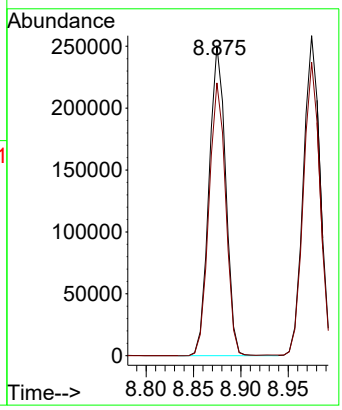


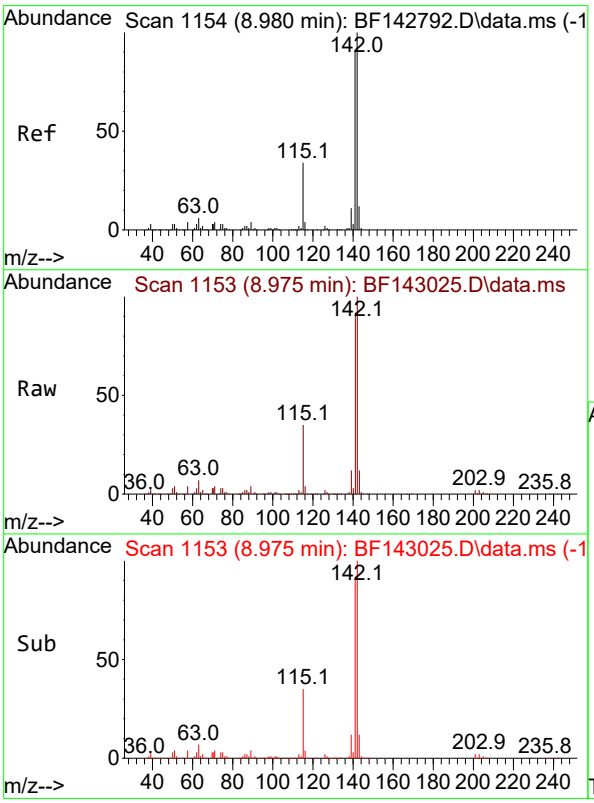
#37
2-Methylnaphthalene
Concen: 39.127 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 306009

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.9	106.3

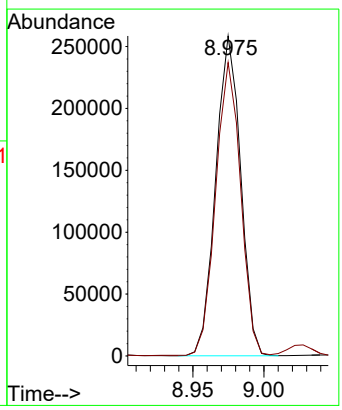


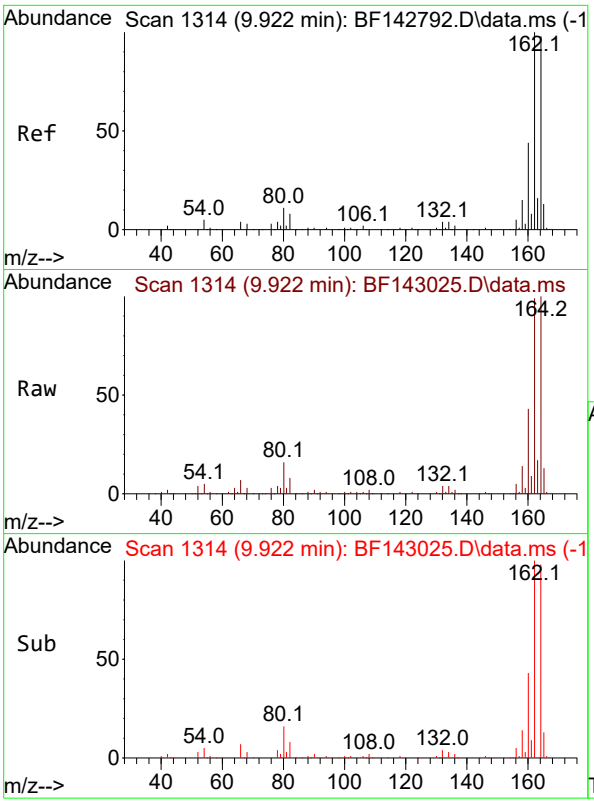


#38
1-Methylnaphthalene
Concen: 38.925 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:142 Resp: 315141

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.0	109.4



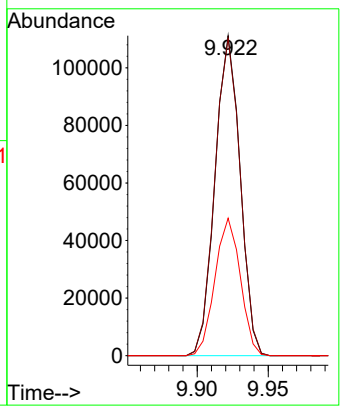


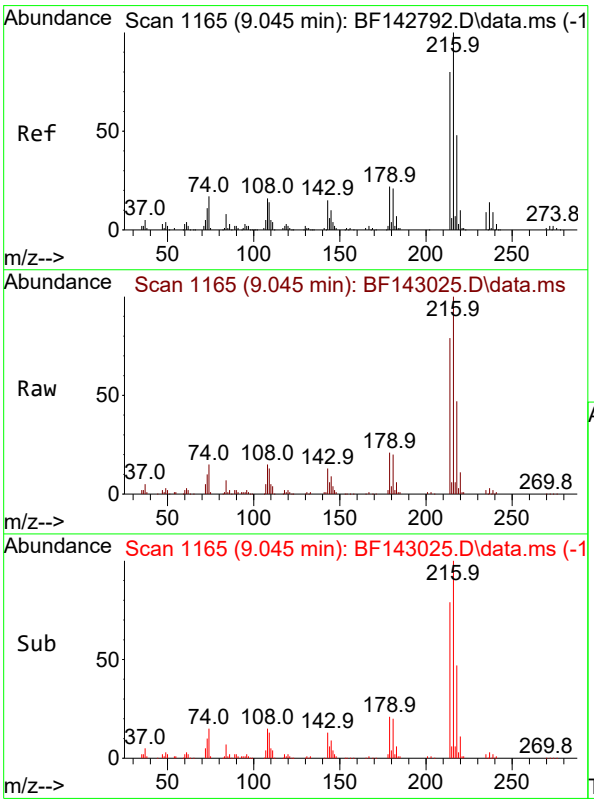
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 136330

Ion	Ratio	Lower	Upper
164	100		
162	99.1	81.8	122.8
160	43.0	36.0	54.0

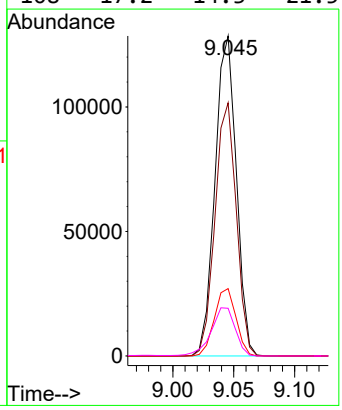


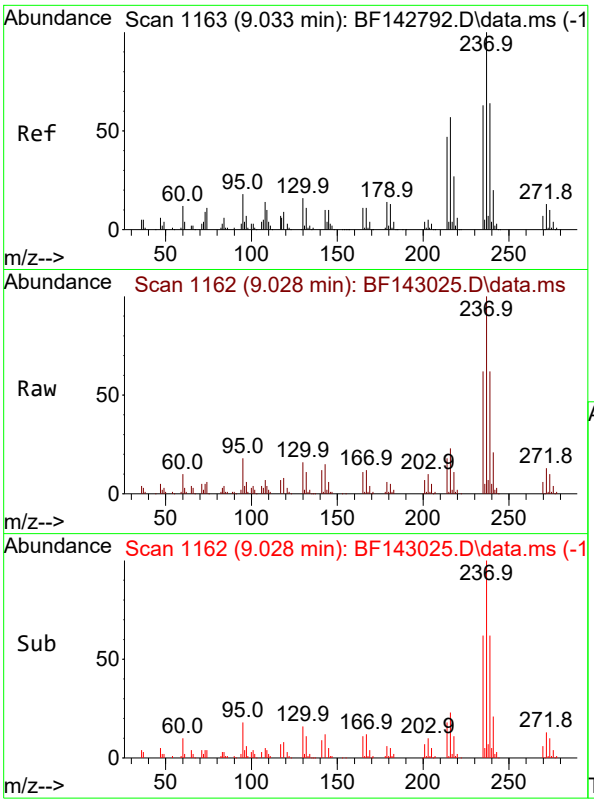


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.905 ng
RT: 9.045 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:216 Resp: 156502

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.7	95.5
179	21.4	17.6	26.4
108	17.2	14.3	21.5



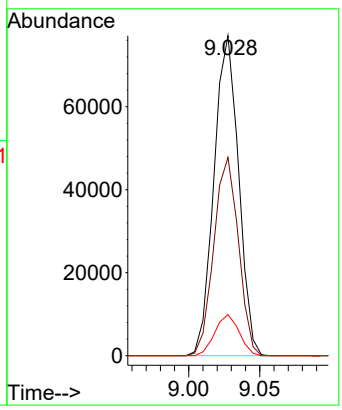


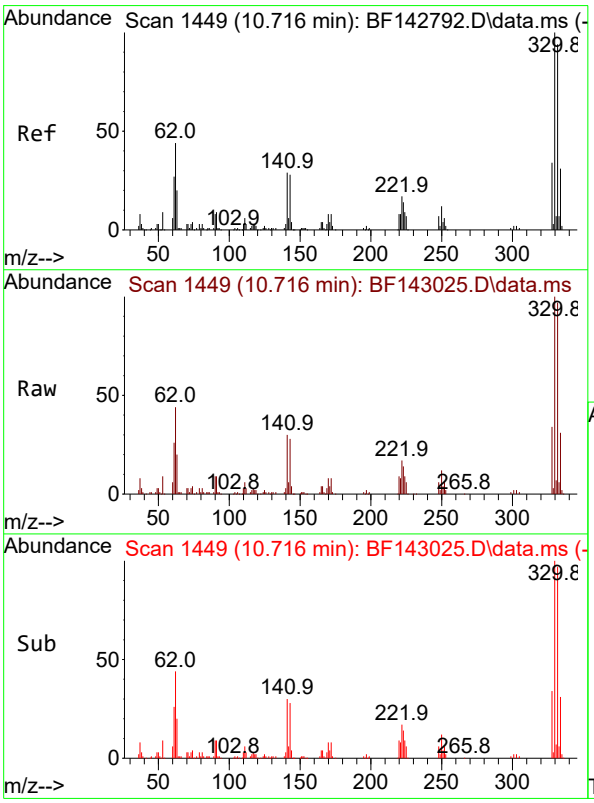
#41
Hexachlorocyclopentadiene
Concen: 40.686 ng
RT: 9.028 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 92877

Ion	Ratio	Lower	Upper
237	100		
235	61.9	43.4	83.4
272	12.8	0.0	32.7

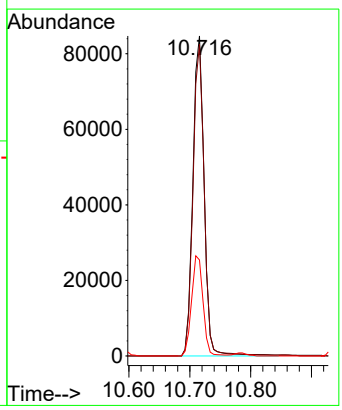


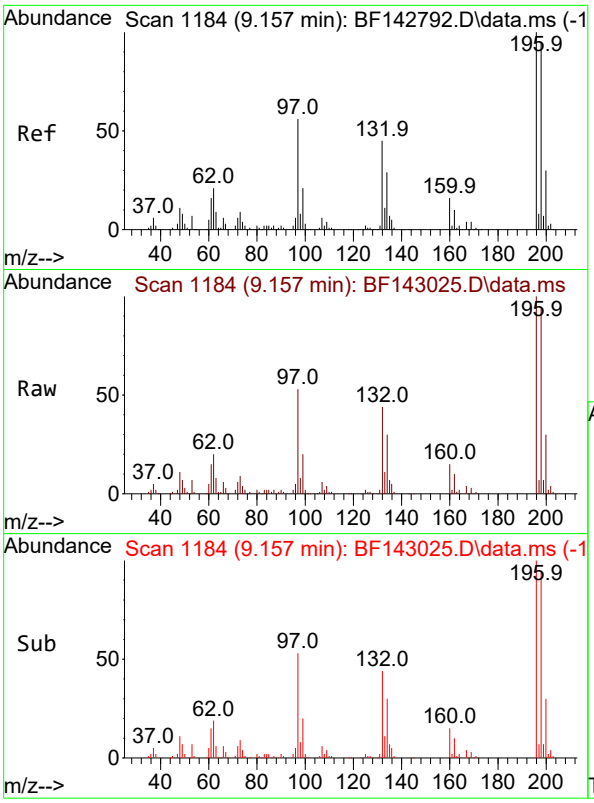


#42
2,4,6-Tribromophenol
Concen: 77.630 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:330 Resp: 108910

Ion	Ratio	Lower	Upper
330	100		
332	97.1	75.0	112.6
141	31.8	25.3	37.9



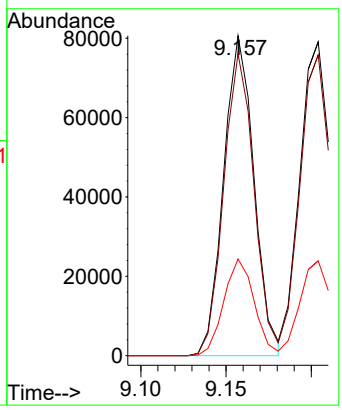


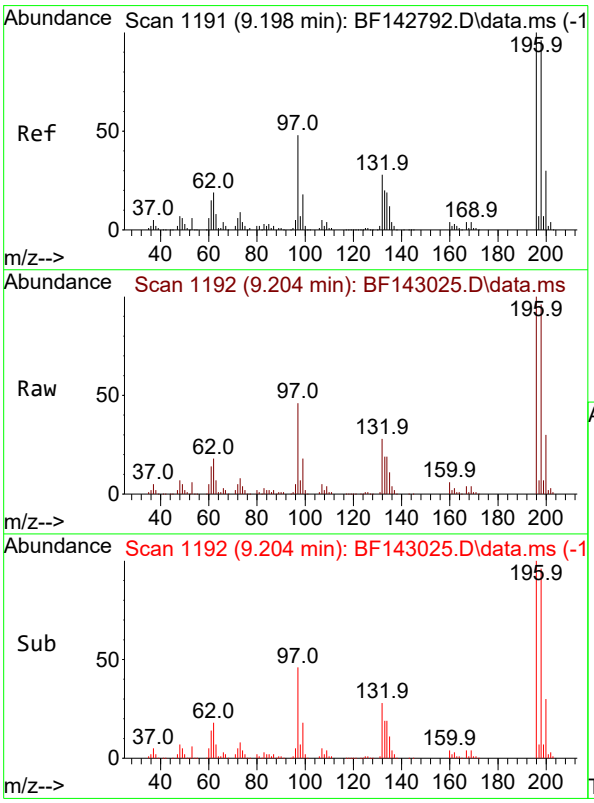
#43
2,4,6-Trichlorophenol
Concen: 38.180 ng
RT: 9.157 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 100080

Ion	Ratio	Lower	Upper
196	100		
198	94.4	76.2	114.2
200	30.2	24.1	36.1

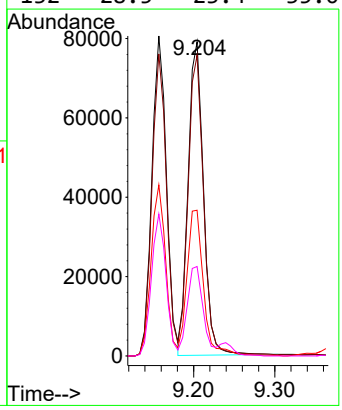


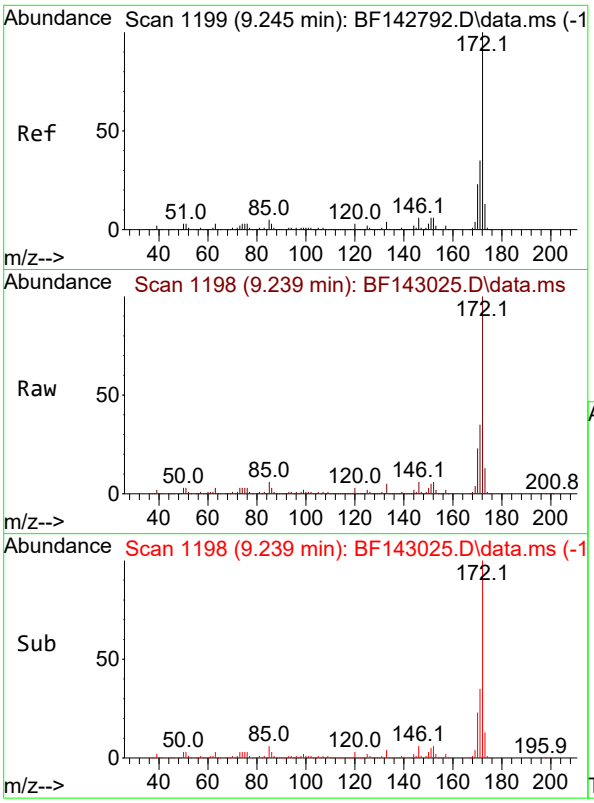


#44
2,4,5-Trichlorophenol
Concen: 37.813 ng
RT: 9.204 min Scan# 1192
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:196 Resp: 104339

Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.6	115.0
97	46.4	38.2	57.2
132	28.5	23.4	35.0



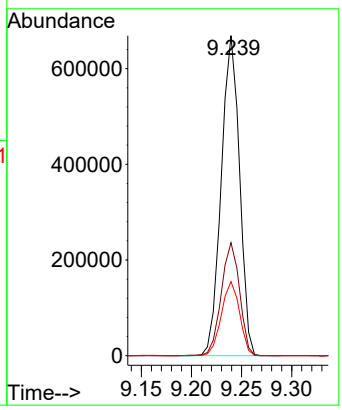


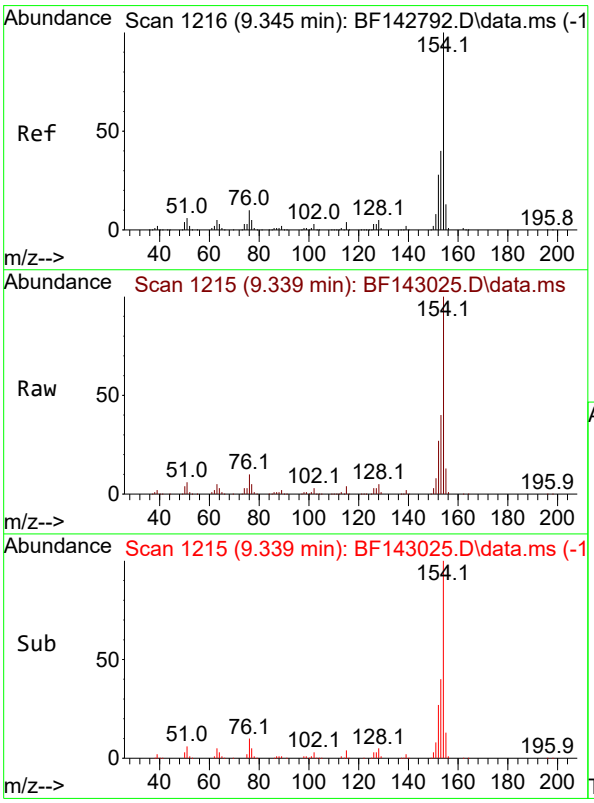
#45
2-Fluorobiphenyl
Concen: 81.561 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 846426

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.4
170	23.2	18.5	27.7

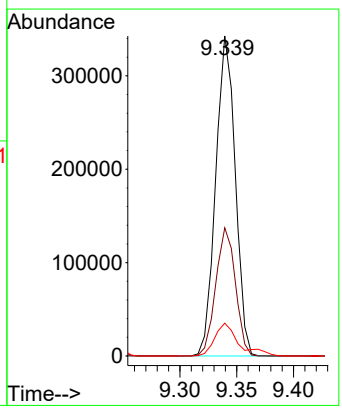


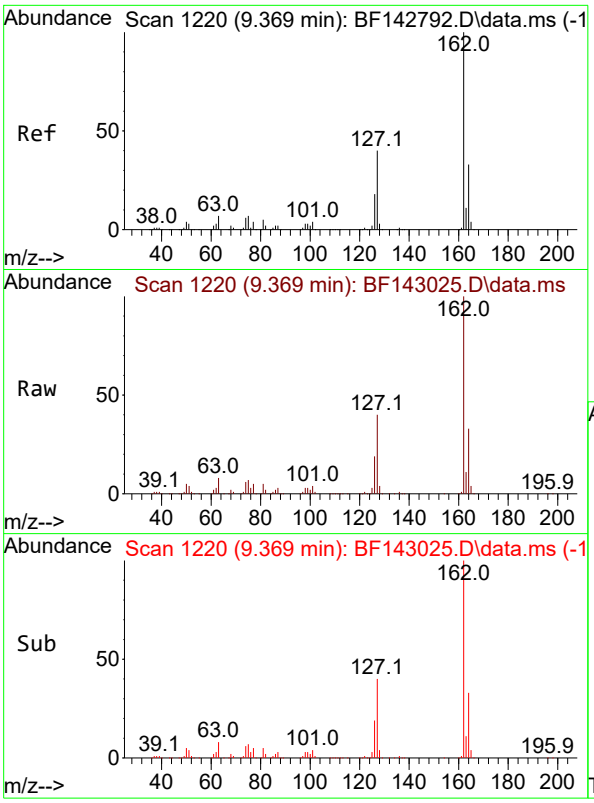


#46
1,1'-Biphenyl
Concen: 38.145 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:154 Resp: 410792

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.3	60.3
76	10.2	0.0	30.3



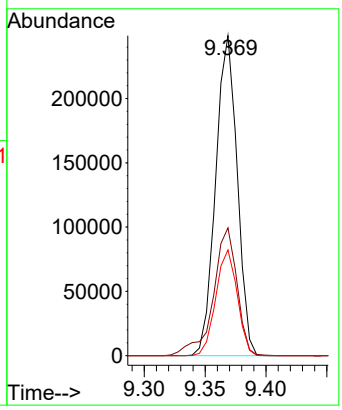


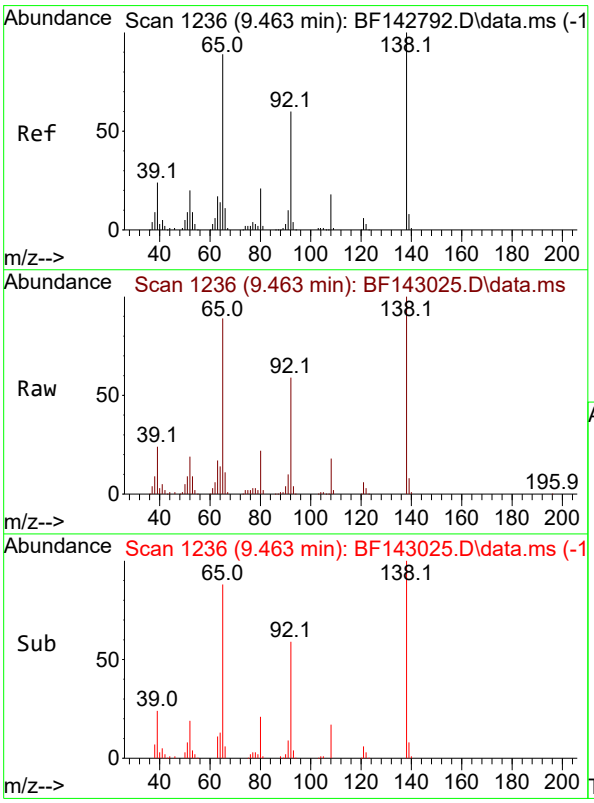
#47
2-Chloronaphthalene
Concen: 37.941 ng
RT: 9.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 306622

Ion	Ratio	Lower	Upper
162	100		
127	40.0	32.2	48.2
164	33.1	26.1	39.1

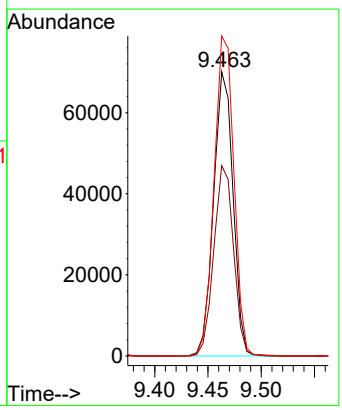


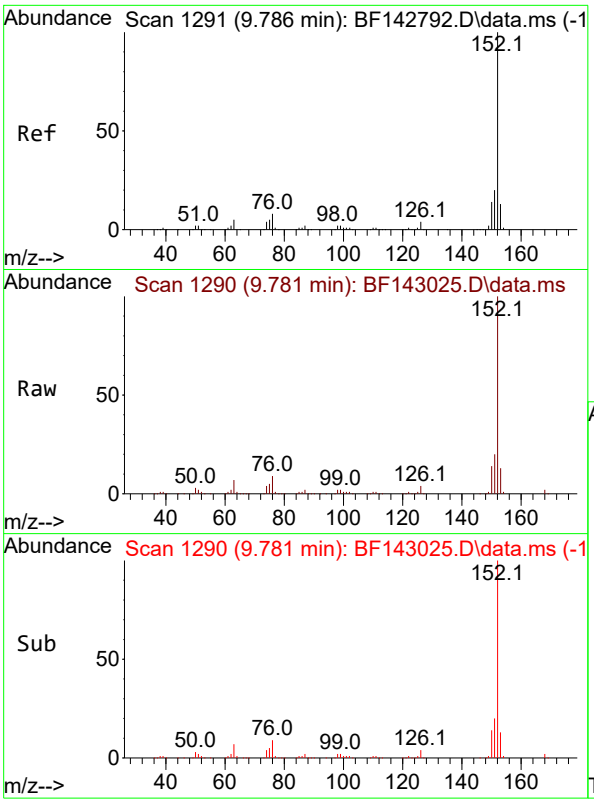


#48
2-Nitroaniline
Concen: 39.256 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion: 65 Resp: 88943

Ion	Ratio	Lower	Upper
65	100		
92	66.9	53.8	80.6
138	112.6	89.6	134.4



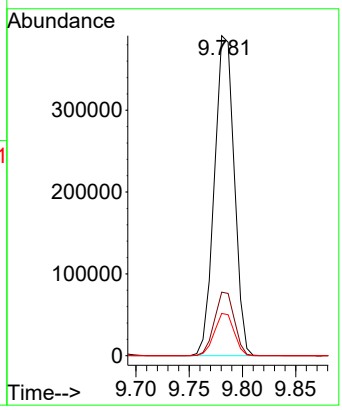


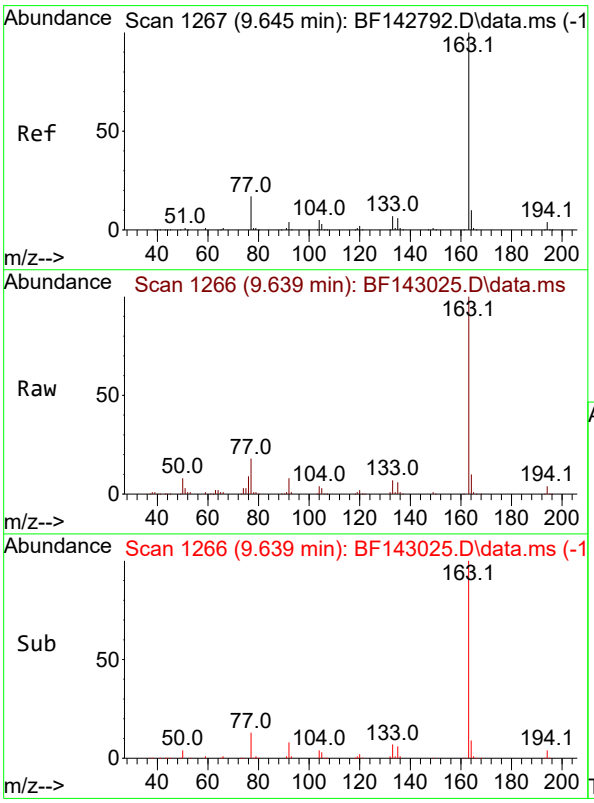
#49
Acenaphthylene
Concen: 37.997 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 505519

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.1	24.1
153	13.2	10.4	15.6

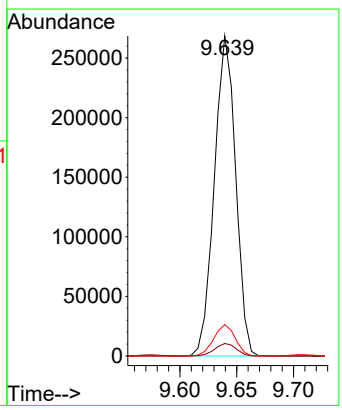


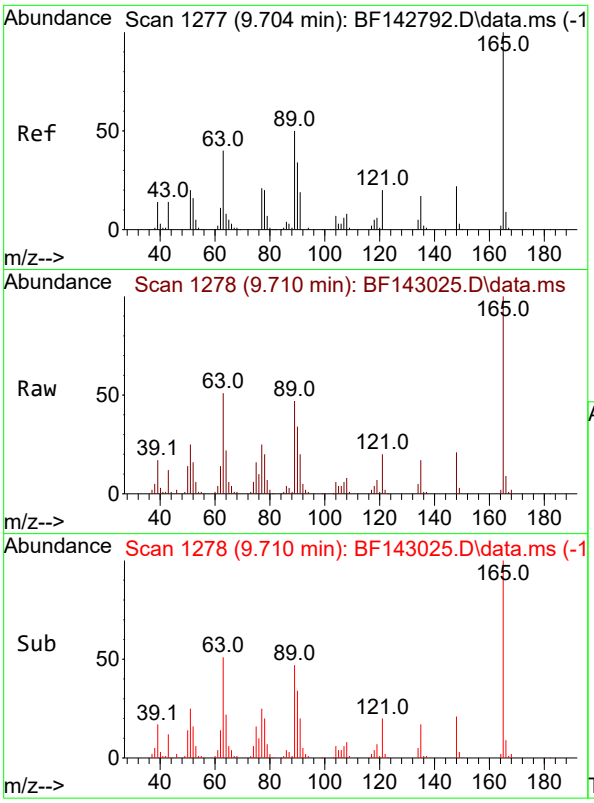


#50
Dimethylphthalate
Concen: 39.752 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:163 Resp: 350801

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	9.8	8.0	12.0



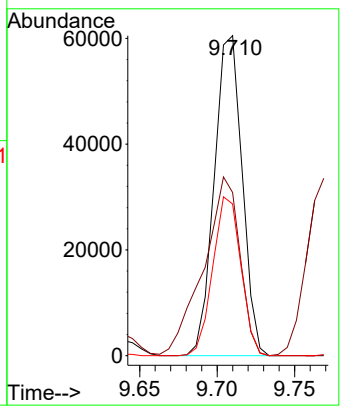


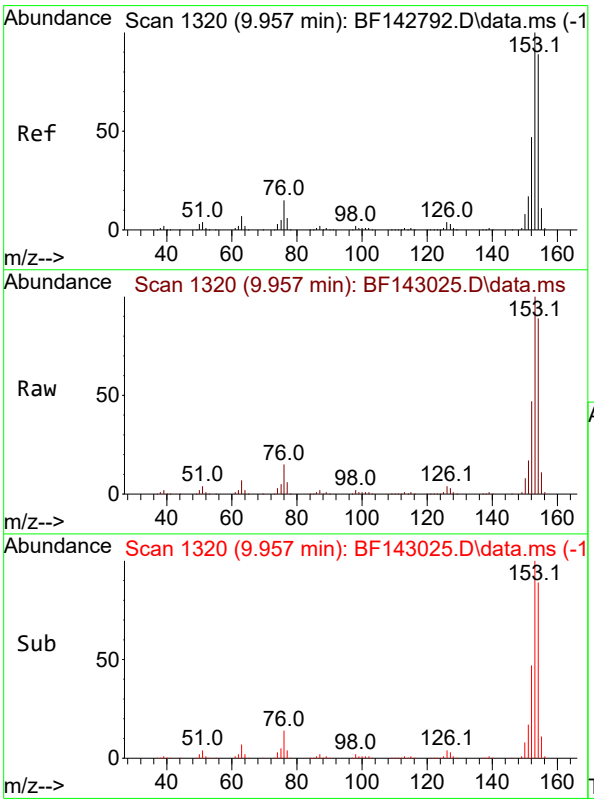
#51
2,6-Dinitrotoluene
Concen: 39.188 ng
RT: 9.710 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 75946

Ion	Ratio	Lower	Upper
165	100		
63	51.0	44.2	66.4
89	47.4	39.8	59.8

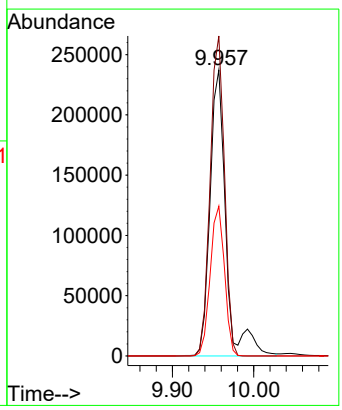


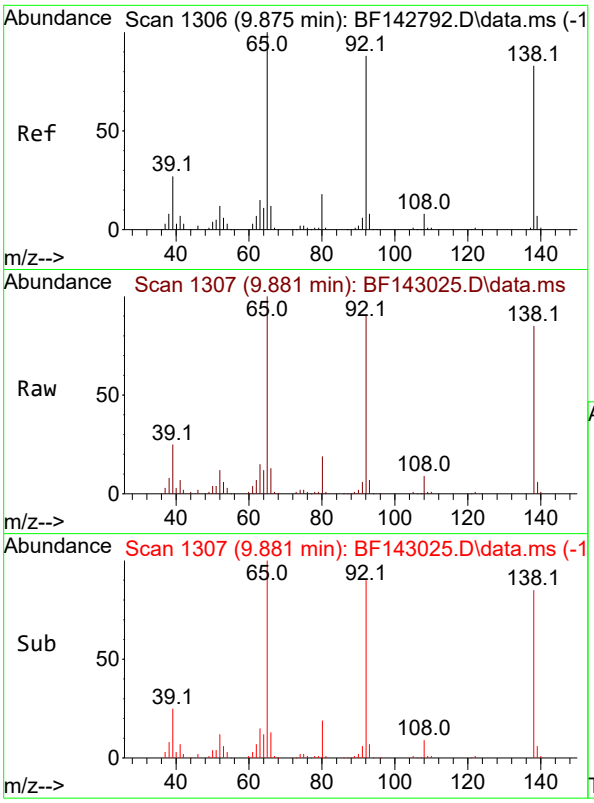


#52
Acenaphthene
Concen: 39.643 ng m
RT: 9.957 min Scan# 1320
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:154 Resp: 321787

Ion	Ratio	Lower	Upper
154	100		
153	111.9	90.0	135.0
152	52.4	41.9	62.9



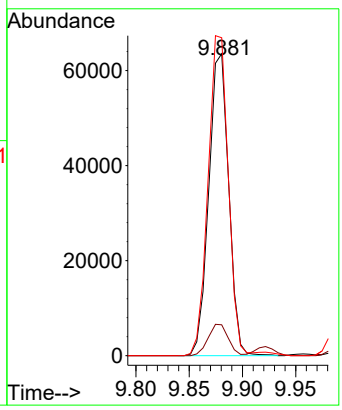


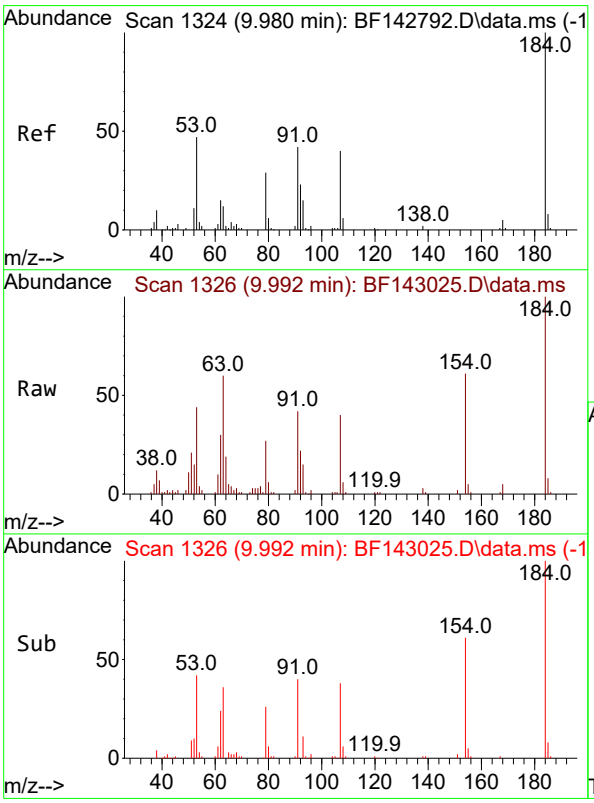
#53
3-Nitroaniline
Concen: 38.881 ng
RT: 9.881 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 82962

Ion	Ratio	Lower	Upper
138	100		
108	10.2	8.1	12.1
92	105.3	85.1	127.7

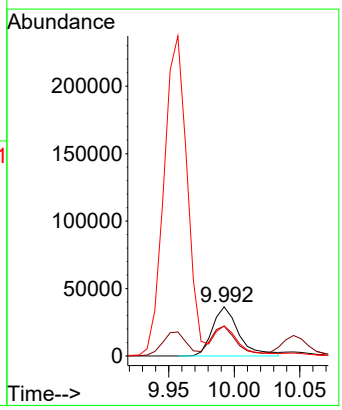


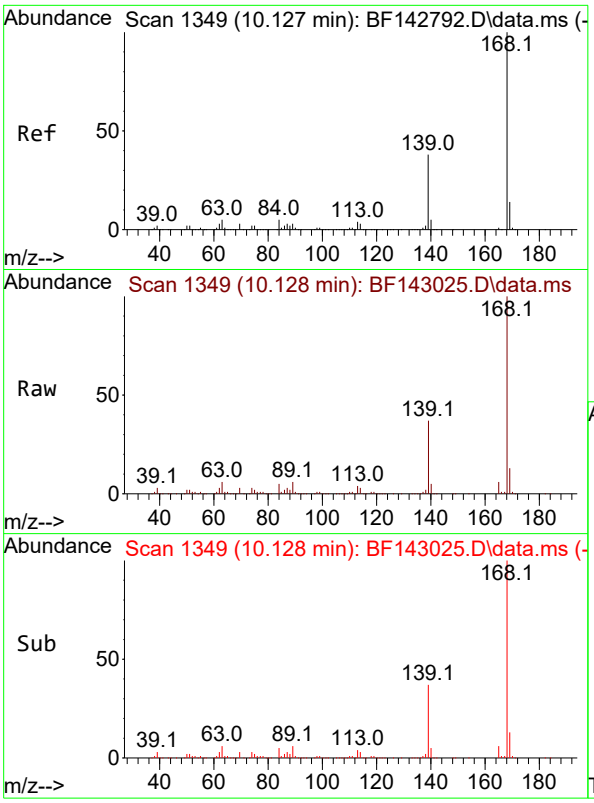


#54
2,4-Dinitrophenol
Concen: 52.757 ng
RT: 9.992 min Scan# 1326
Delta R.T. 0.012 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:184 Resp: 51195

Ion	Ratio	Lower	Upper
184	100		
63	60.4	50.6	75.8
154	61.1	51.8	77.8



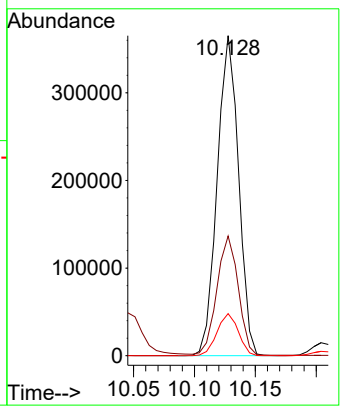


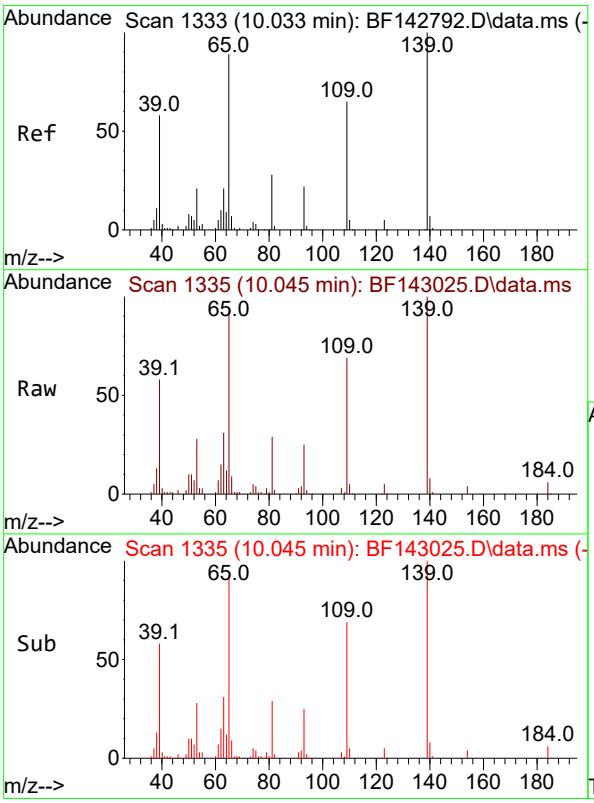
#55
Dibenzofuran
Concen: 38.268 ng
RT: 10.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 445423

Ion	Ratio	Lower	Upper
168	100		
139	37.4	30.2	45.4
169	13.2	10.8	16.2

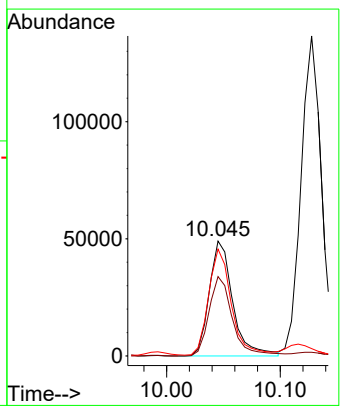


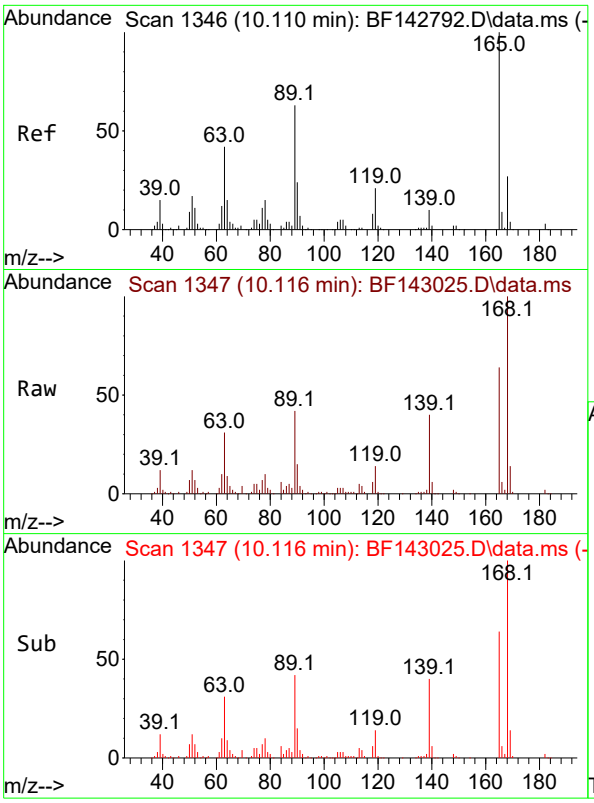


#56
4-Nitrophenol
Concen: 48.300 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.012 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:139 Resp: 70555

Ion	Ratio	Lower	Upper
139	100		
109	69.1	44.7	84.7
65	93.1	69.8	109.8



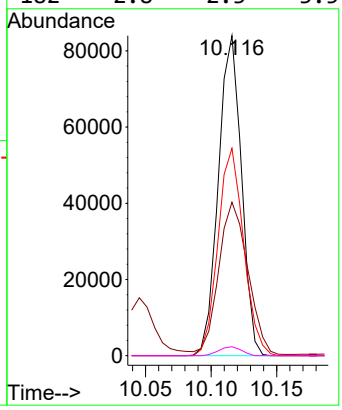


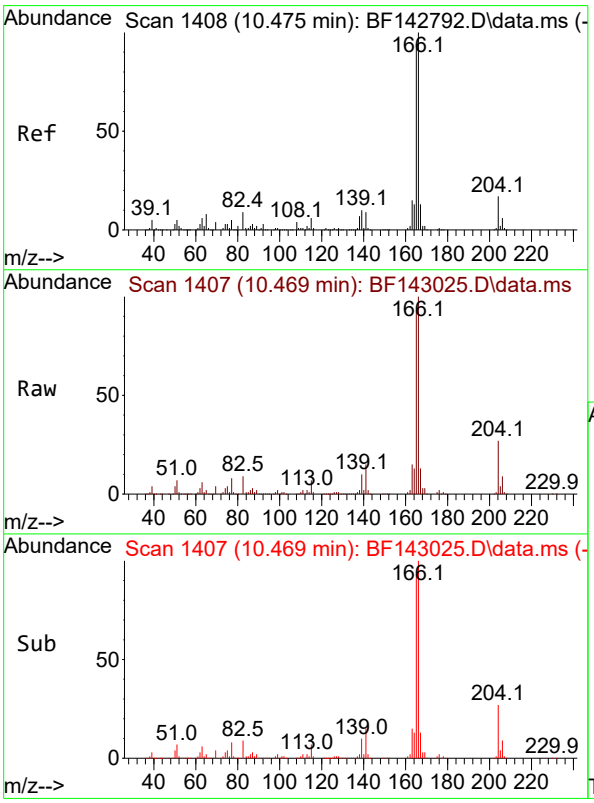
#57
2,4-Dinitrotoluene
Concen: 39.860 ng
RT: 10.116 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 102608

Ion	Ratio	Lower	Upper
165	100		
63	48.0	33.9	50.9
89	64.8	50.6	75.8
182	2.8	2.3	3.5

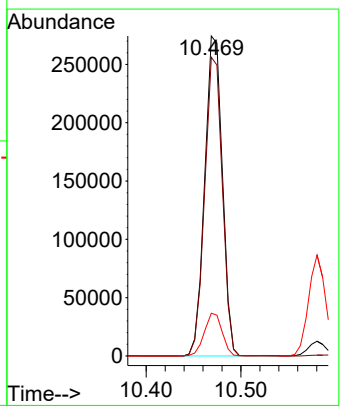


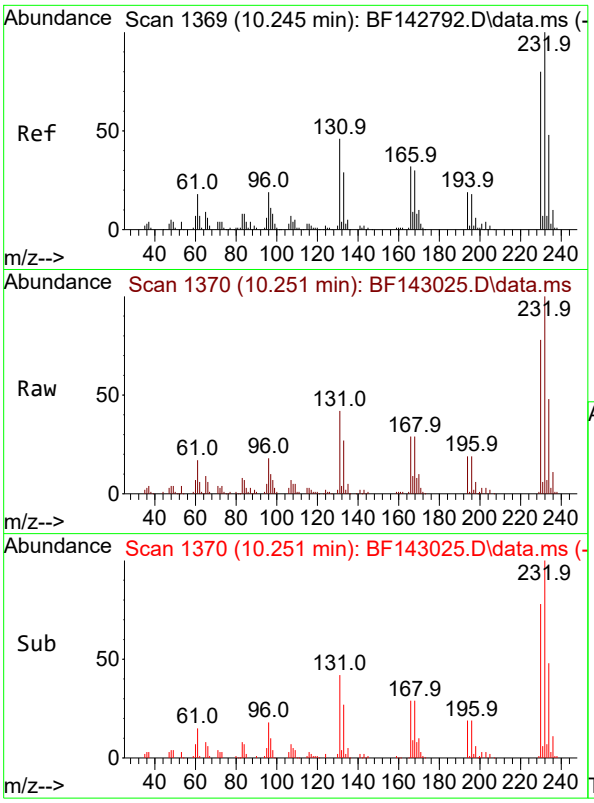


#58
Fluorene
Concen: 39.038 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:166 Resp: 354875

Ion	Ratio	Lower	Upper
166	100		
165	93.3	75.2	112.8
167	13.4	10.6	15.8



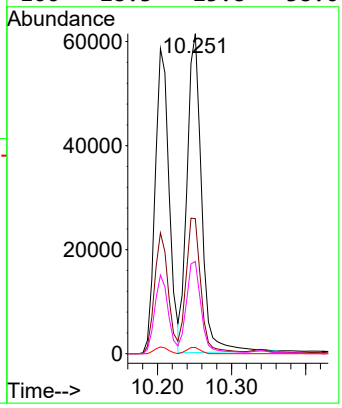


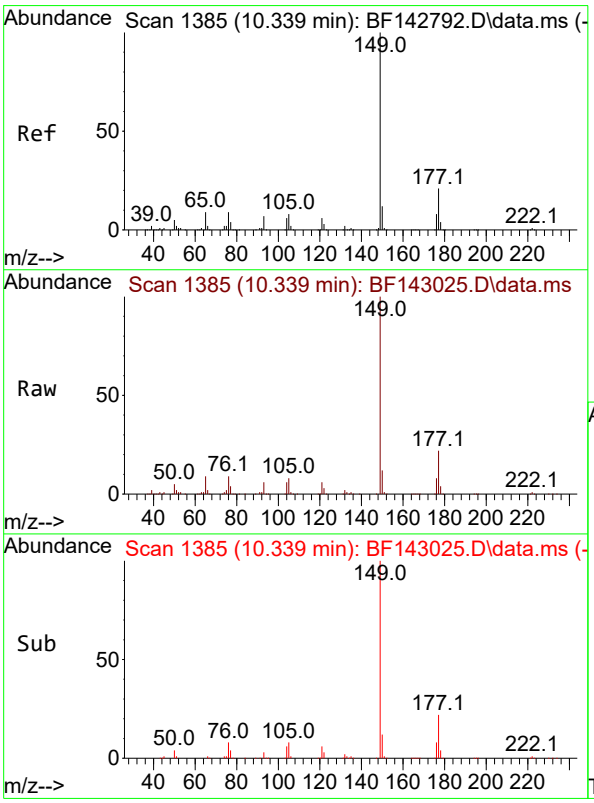
#59
2,3,4,6-Tetrachlorophenol
Concen: 37.618 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 83670

Ion	Ratio	Lower	Upper
232	100		
131	43.0	37.6	56.4
130	1.8	1.7	2.5
166	28.3	25.8	38.6

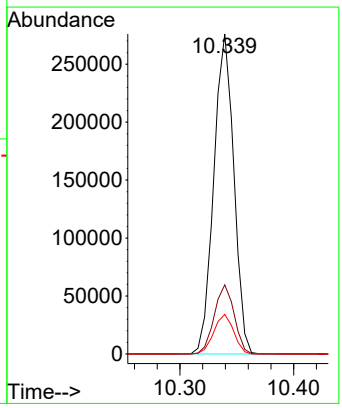


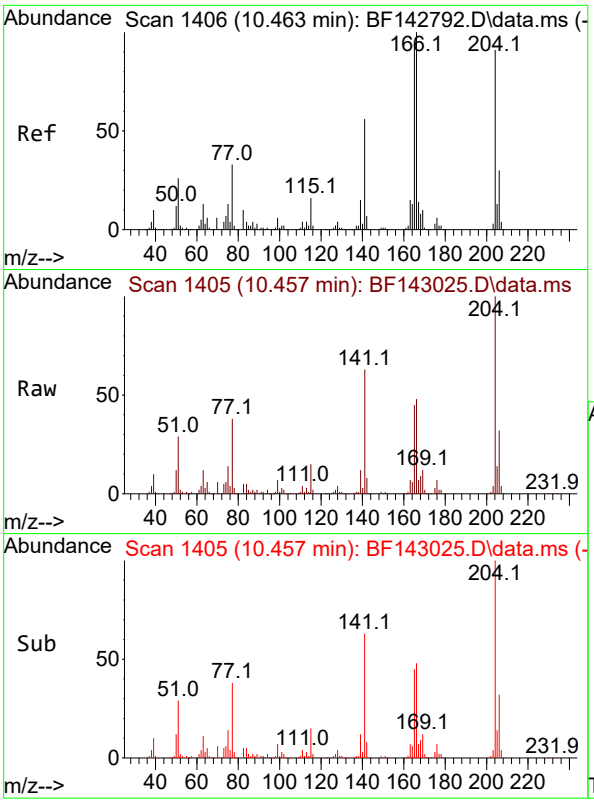


#60
Diethylphthalate
Concen: 39.111 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:149 Resp: 338403

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.0	25.6
150	12.4	9.8	14.6



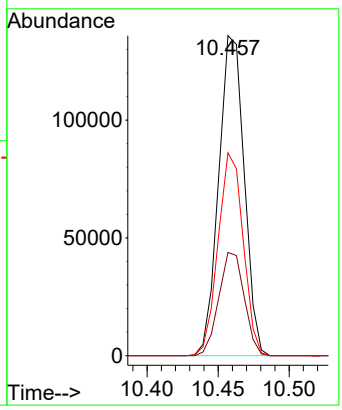


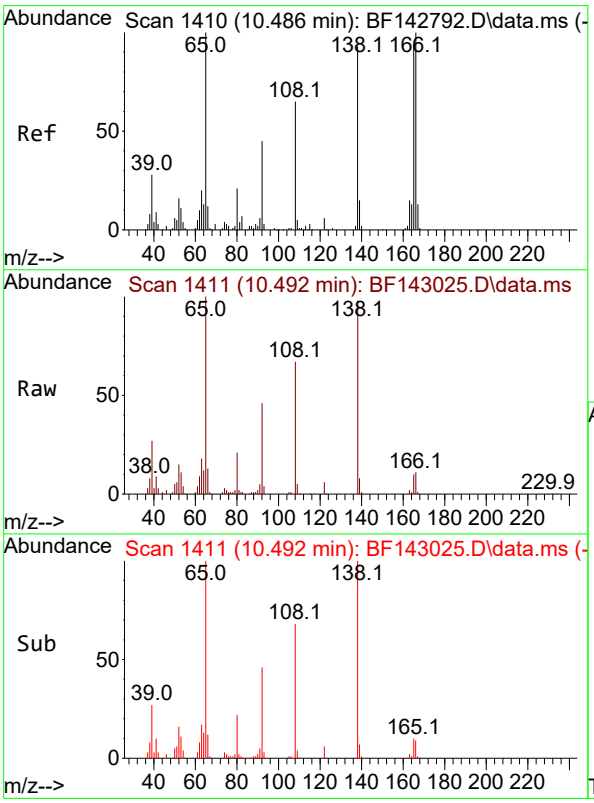
#61
4-Chlorophenyl-phenylether
Concen: 39.156 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 169854

Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.3	39.5
141	63.4	49.1	73.7

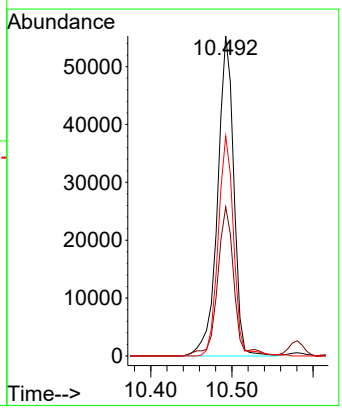


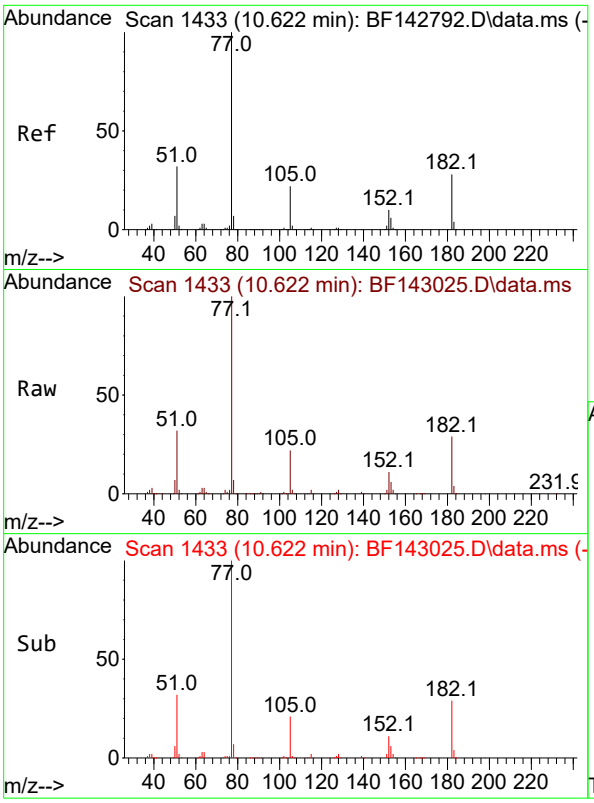


#62
4-Nitroaniline
Concen: 39.365 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:138 Resp: 76818

Ion	Ratio	Lower	Upper
138	100		
92	46.6	28.4	68.4
108	68.7	50.2	90.2



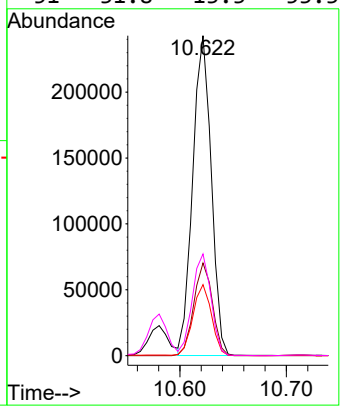


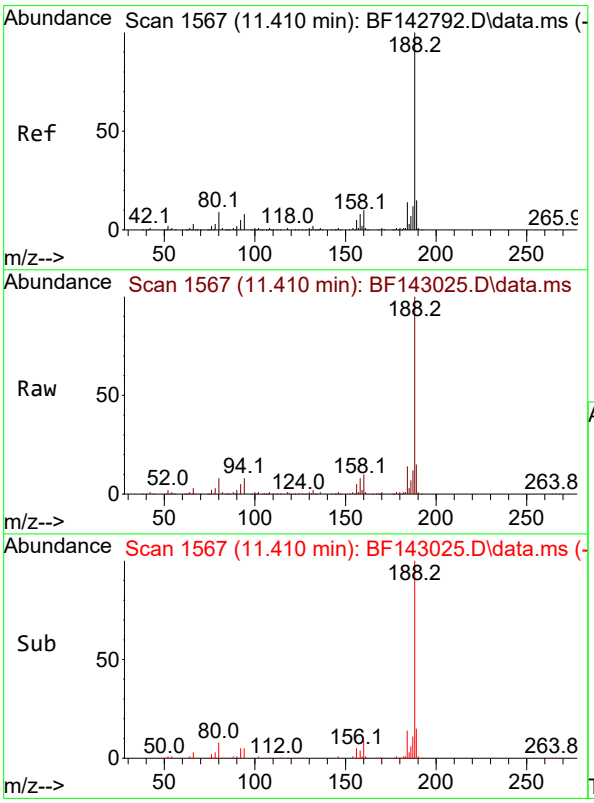
#63
Azobenzene
Concen: 37.977 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 293688

Ion	Ratio	Lower	Upper
77	100		
182	28.9	7.7	47.7
105	22.2	1.9	41.9
51	31.8	13.3	53.3

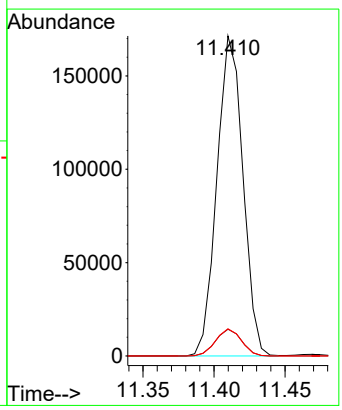


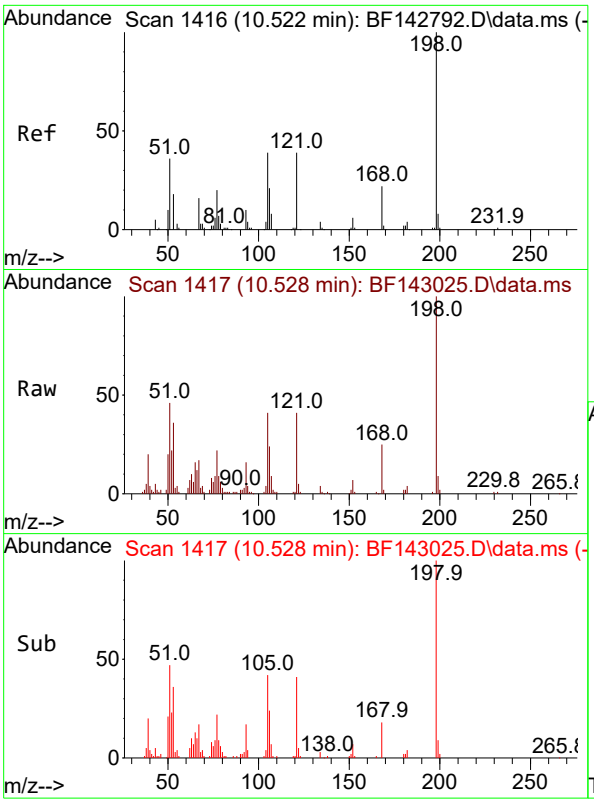


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:188 Resp: 218169

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.7	10.1
80	8.5	6.9	10.3



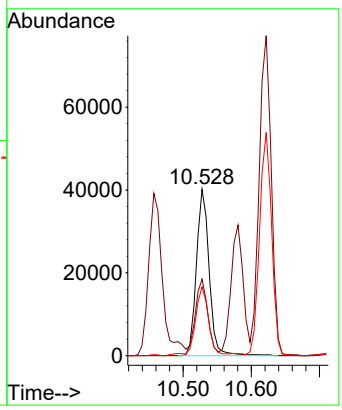


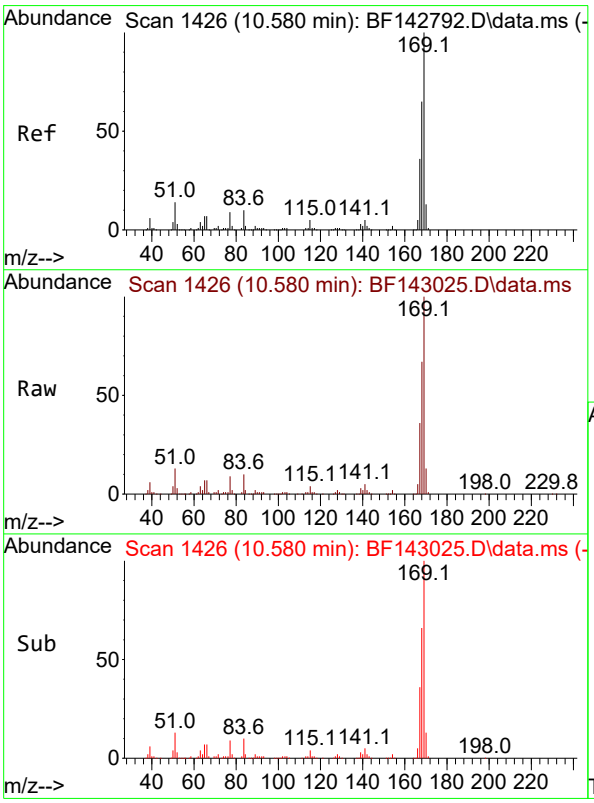
#65
4,6-Dinitro-2-methylphenol
Concen: 39.580 ng
RT: 10.528 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 52231

Ion	Ratio	Lower	Upper
198	100		
51	46.0	25.4	65.4
105	41.4	20.4	60.4

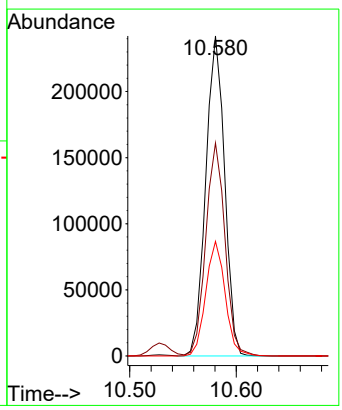


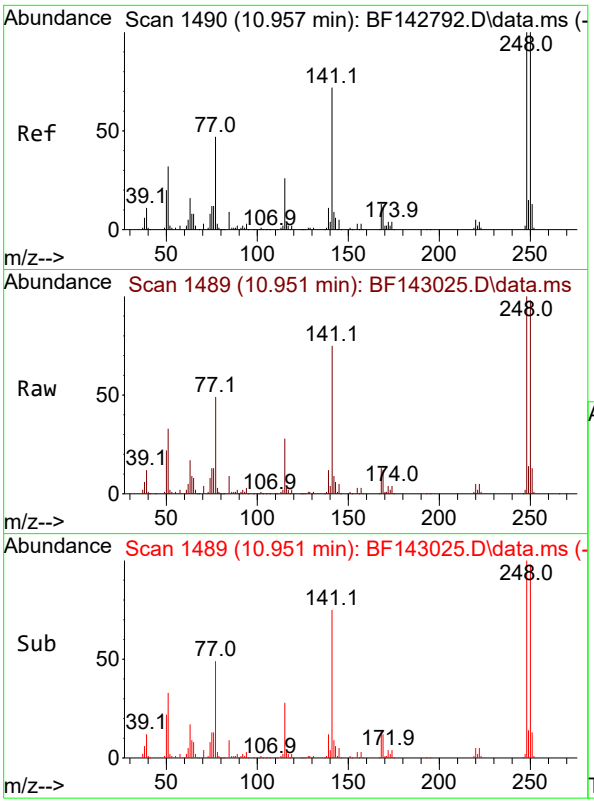


#66
n-Nitrosodiphenylamine
Concen: 39.436 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:169 Resp: 298183

Ion	Ratio	Lower	Upper
169	100		
168	66.6	51.9	77.9
167	35.8	28.5	42.7



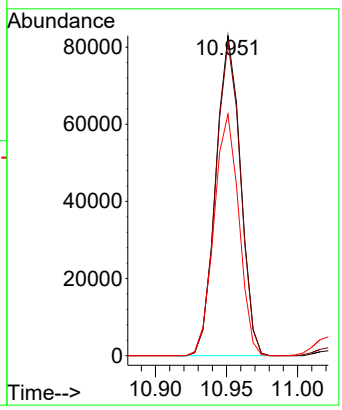


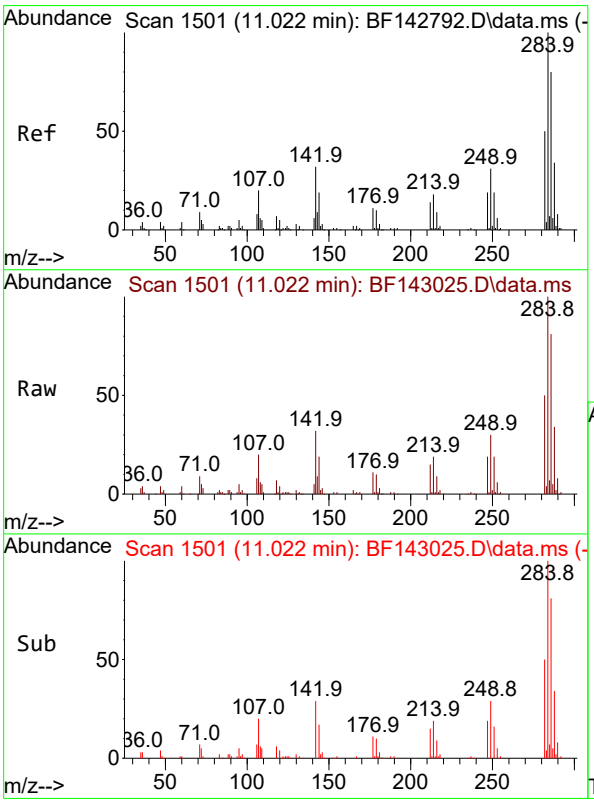
#67
4-Bromophenyl-phenylether
Concen: 40.413 ng
RT: 10.951 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 100343

Ion	Ratio	Lower	Upper
248	100		
250	98.1	79.8	119.8
141	75.5	57.8	86.6

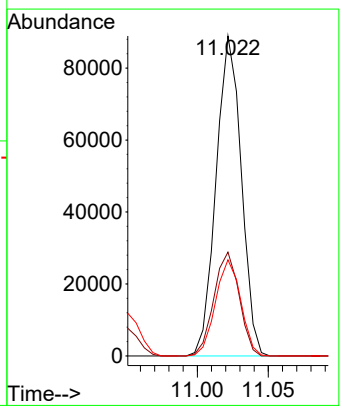


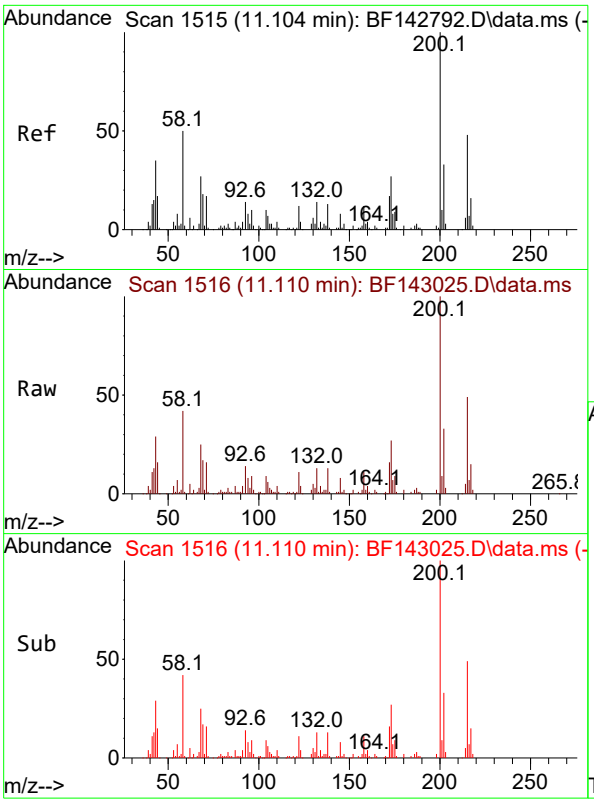


#68
Hexachlorobenzene
Concen: 39.689 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:284 Resp: 109501

Ion	Ratio	Lower	Upper
284	100		
142	32.5	25.5	38.3
249	30.0	24.9	37.3



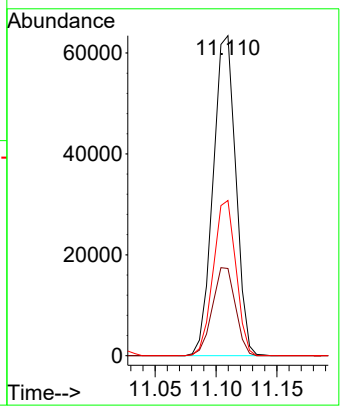


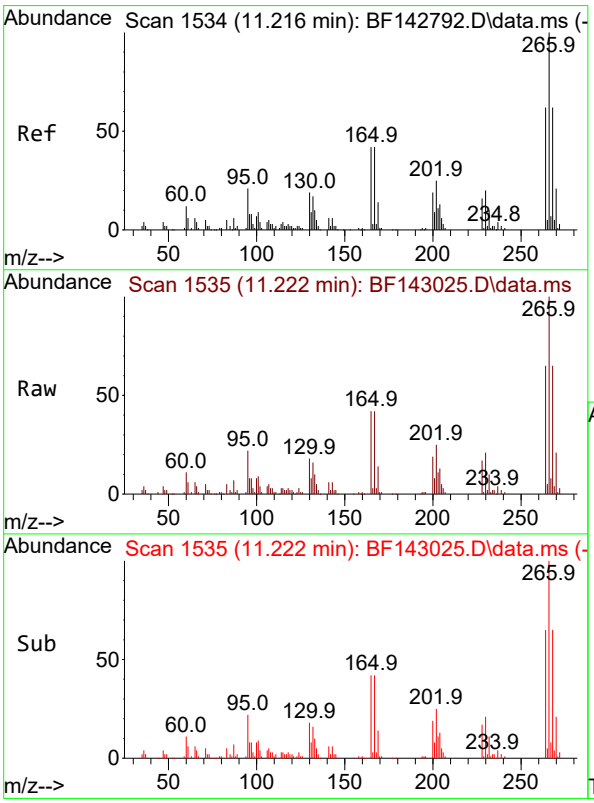
#69
Atrazine
Concen: 42.266 ng
RT: 11.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 82526

Ion	Ratio	Lower	Upper
200	100		
173	27.3	7.4	47.4
215	48.5	28.4	68.4

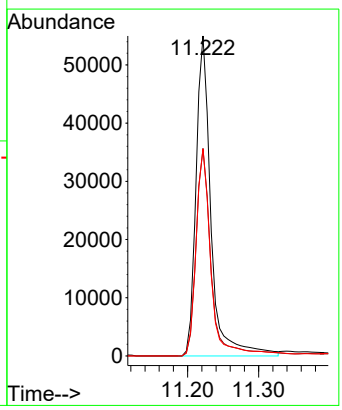


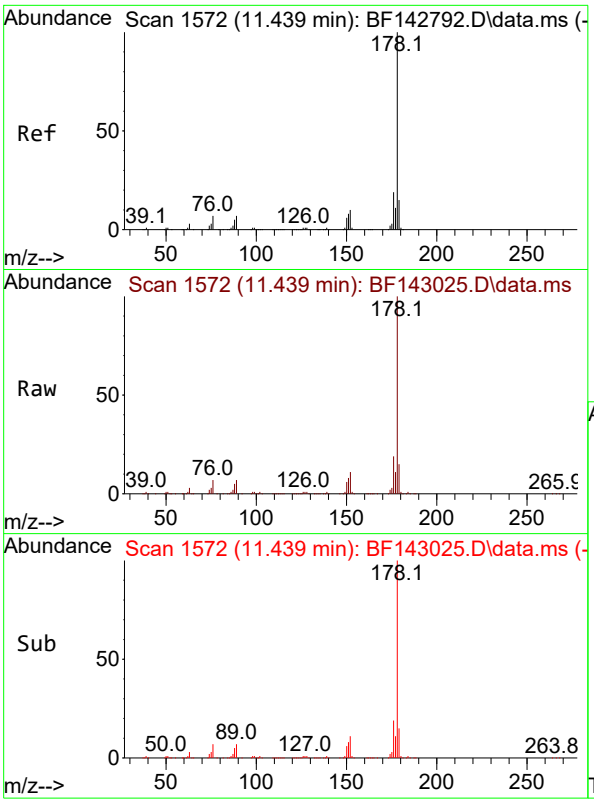


#70
Pentachlorophenol
Concen: 58.845 ng
RT: 11.222 min Scan# 1535
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:266 Resp: 80900

Ion	Ratio	Lower	Upper
266	100		
268	64.8	49.8	74.8
264	64.7	49.9	74.9



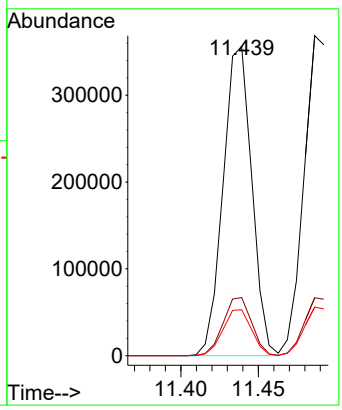


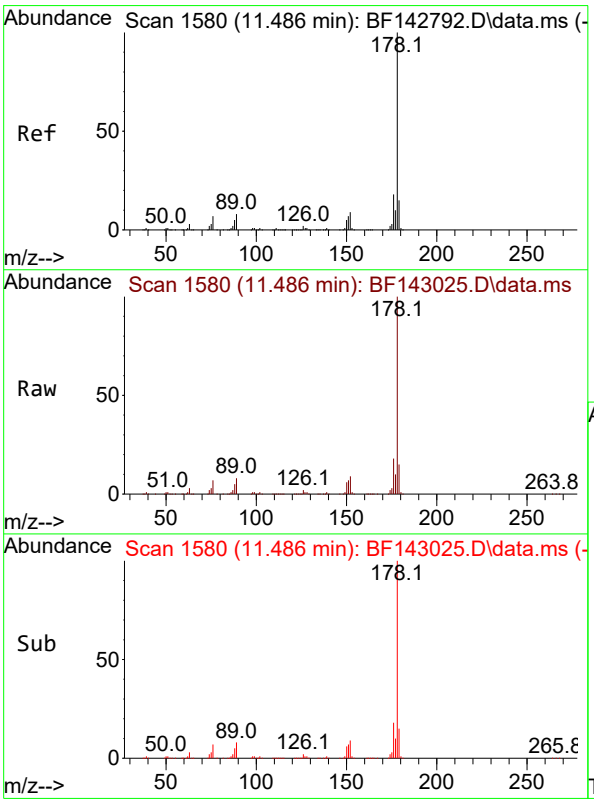
#71
Phenanthrene
Concen: 38.822 ng
RT: 11.439 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 458805

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	14.9	12.0	18.0

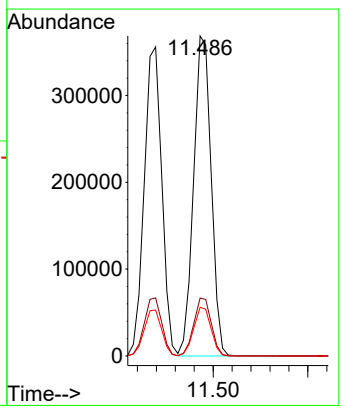


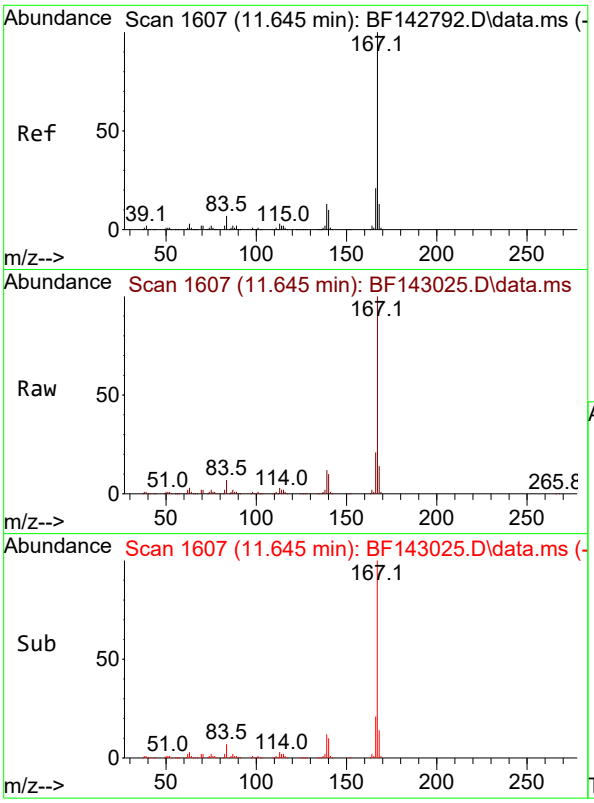


#72
Anthracene
Concen: 39.196 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:178 Resp: 475083

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	21.8
179	15.2	12.4	18.6



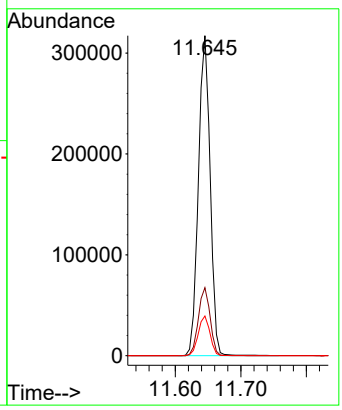


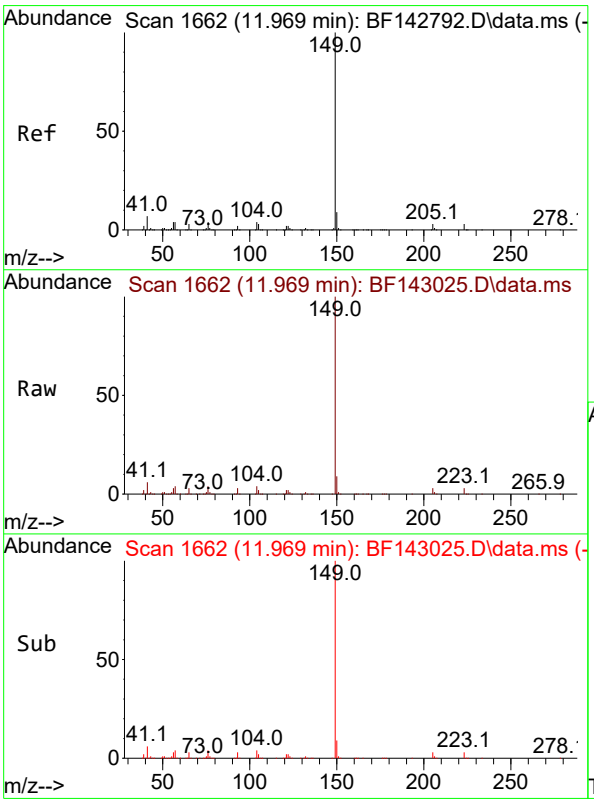
#73
Carbazole
Concen: 37.887 ng
RT: 11.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 396286

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.4
139	12.4	10.2	15.2

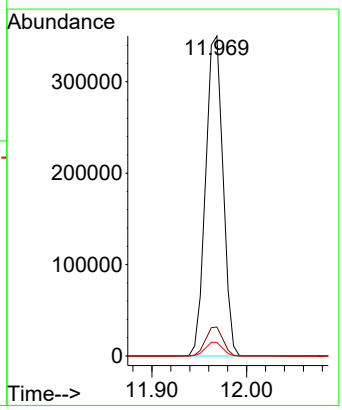


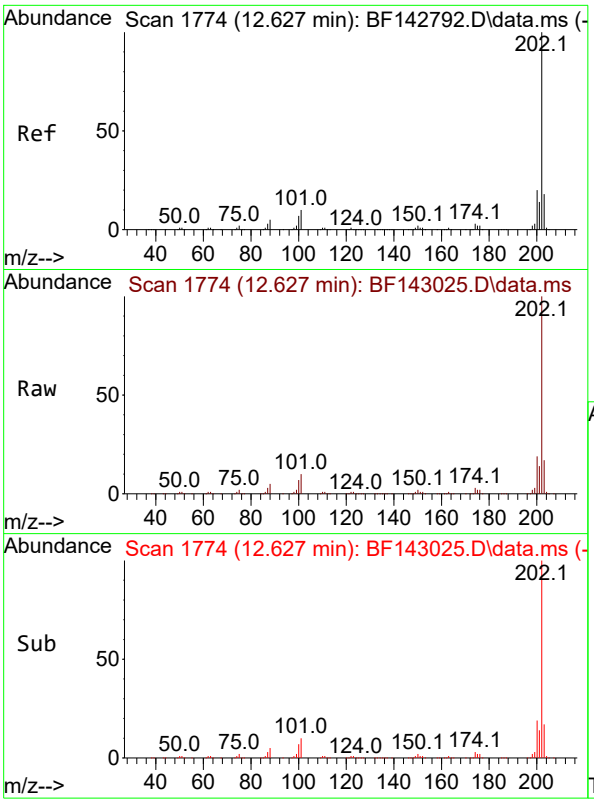


#74
Di-n-butylphthalate
Concen: 40.919 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:149 Resp: 445869

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	4.2	3.5	5.3



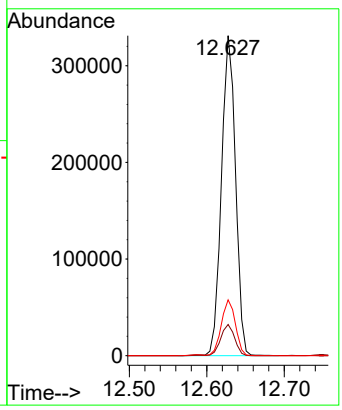


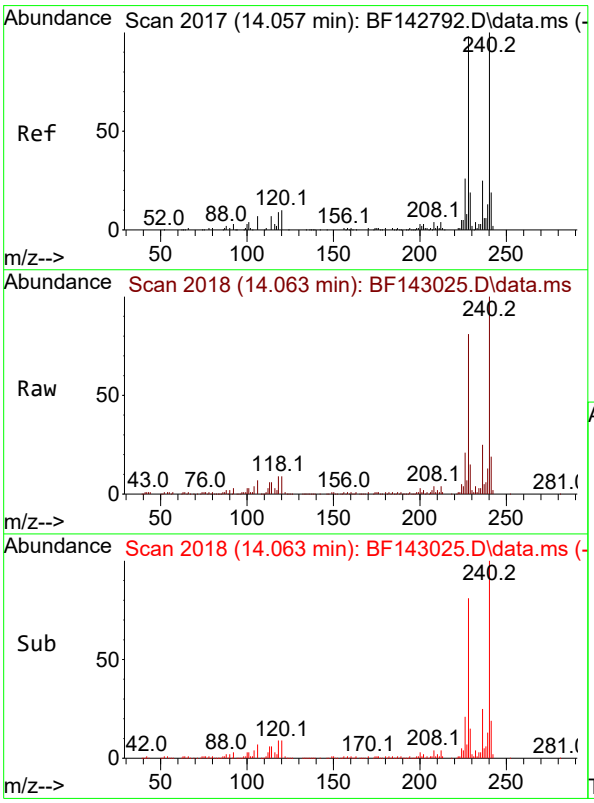
#75
Fluoranthene
Concen: 37.322 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 418605

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	29.7
203	17.4	0.0	37.5

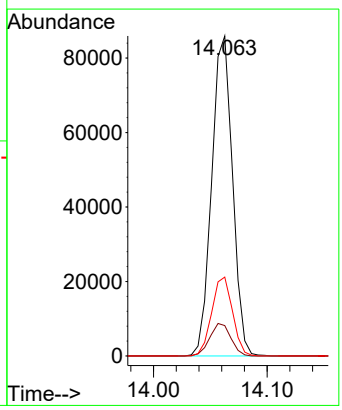


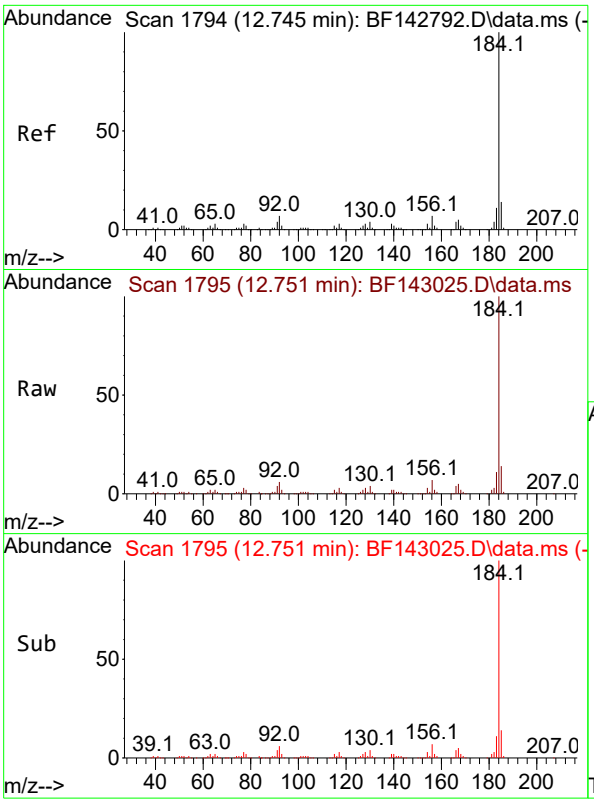


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:240 Resp: 109391

Ion	Ratio	Lower	Upper
240	100		
120	9.5	8.2	12.2
236	24.6	19.8	29.8



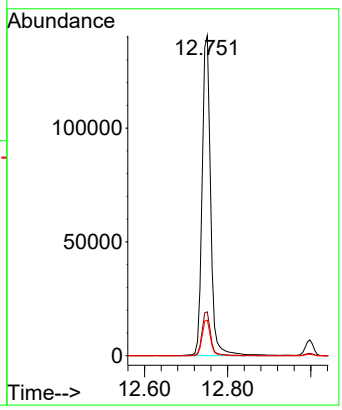


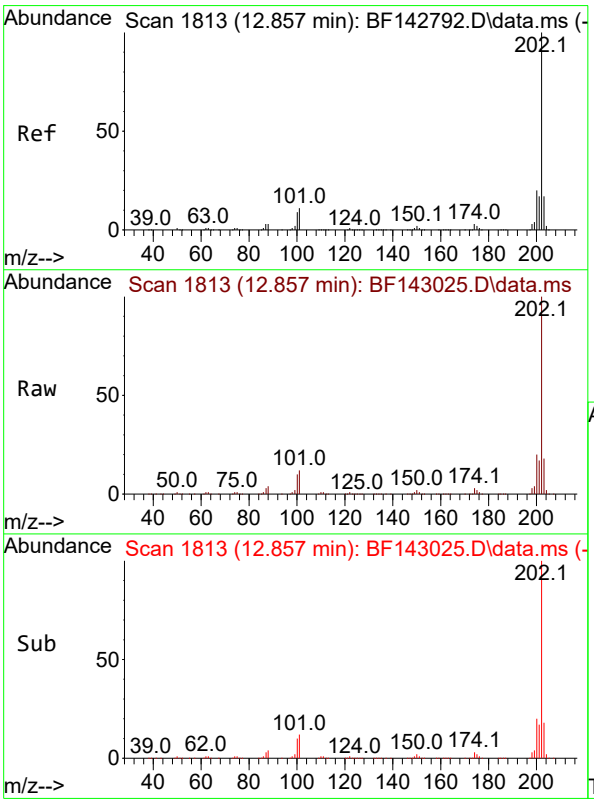
#77
Benzidine
Concen: 48.779 ng
RT: 12.751 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 200477

Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.5	17.3
183	11.1	9.0	13.4

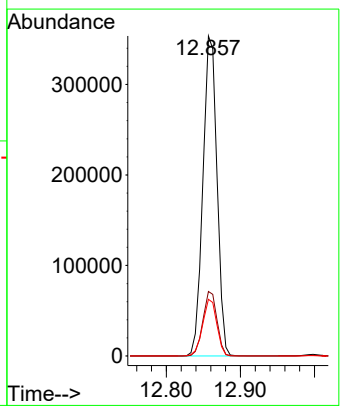


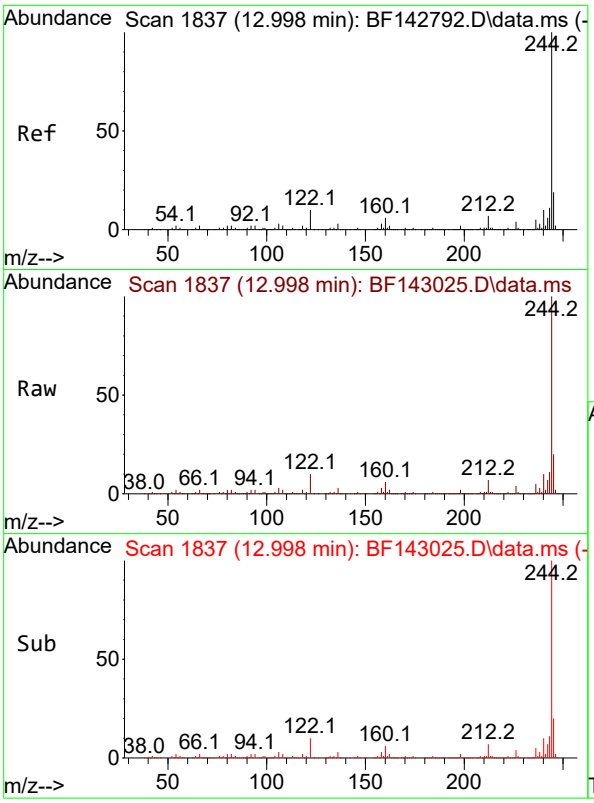


#78
Pyrene
Concen: 45.585 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:202 Resp: 467410

Ion	Ratio	Lower	Upper
202	100		
200	20.2	15.7	23.5
203	17.7	13.8	20.6



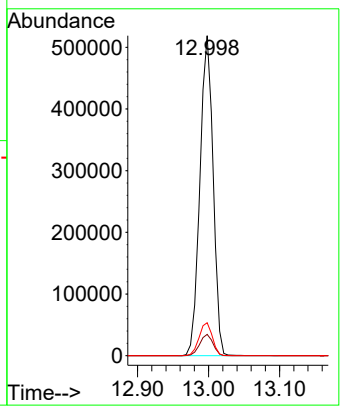


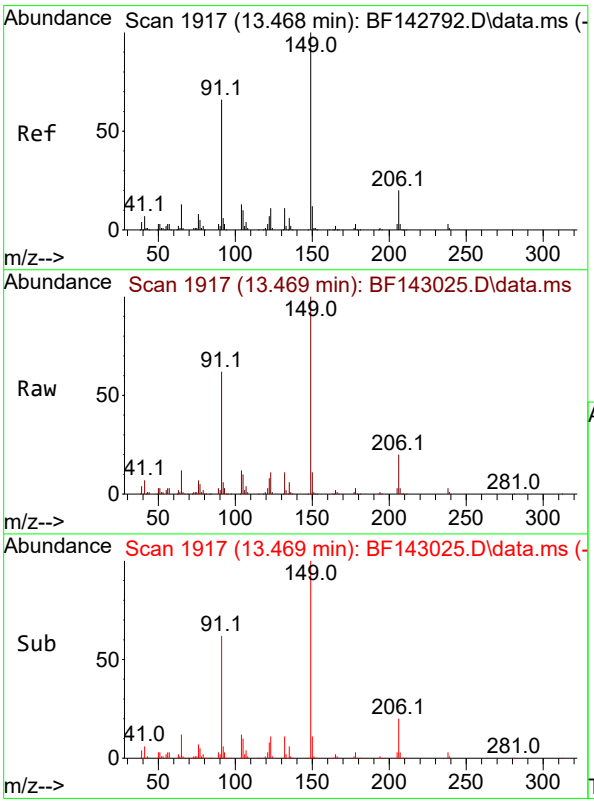
#79
Terphenyl-d14
Concen: 84.898 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 672150

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.3	8.2	12.2

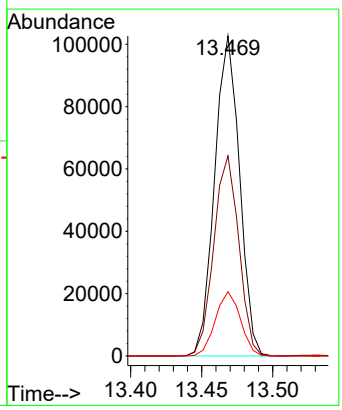


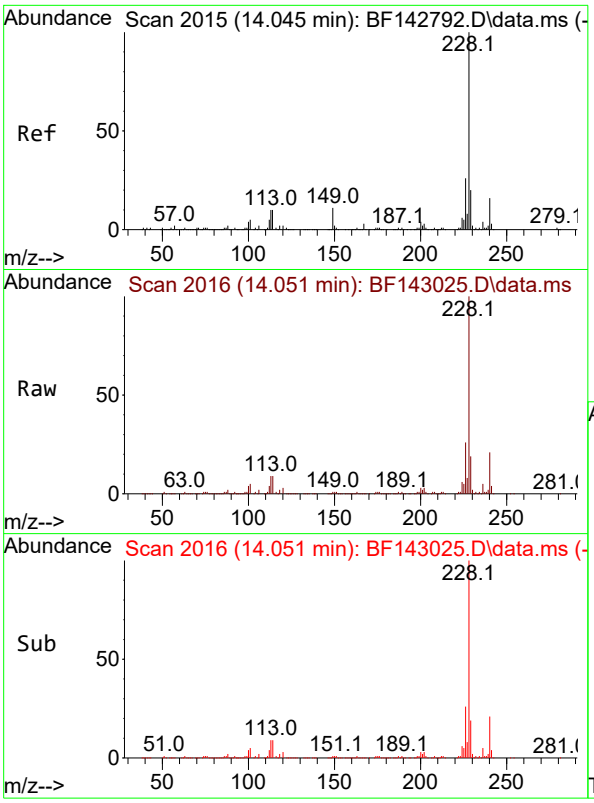


#80
Butylbenzylphthalate
Concen: 42.130 ng
RT: 13.469 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:149 Resp: 125308

Ion	Ratio	Lower	Upper
149	100		
91	62.5	52.9	79.3
206	20.1	16.3	24.5



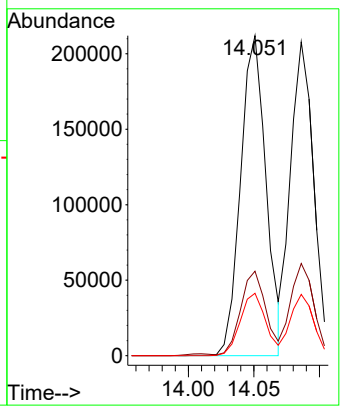


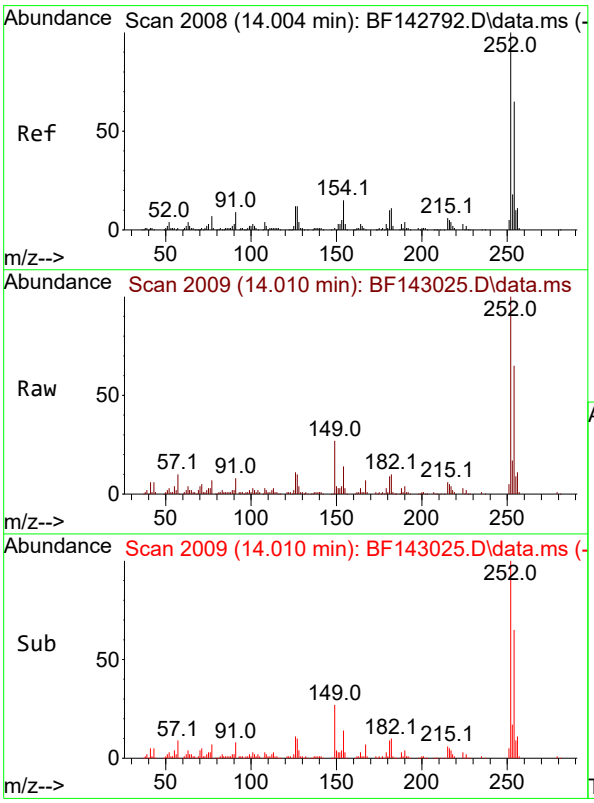
#81
Benzo(a)anthracene
Concen: 38.824 ng
RT: 14.051 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 286505

Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.2	31.8
229	19.5	15.6	23.4

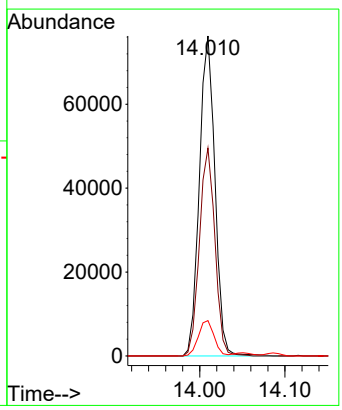


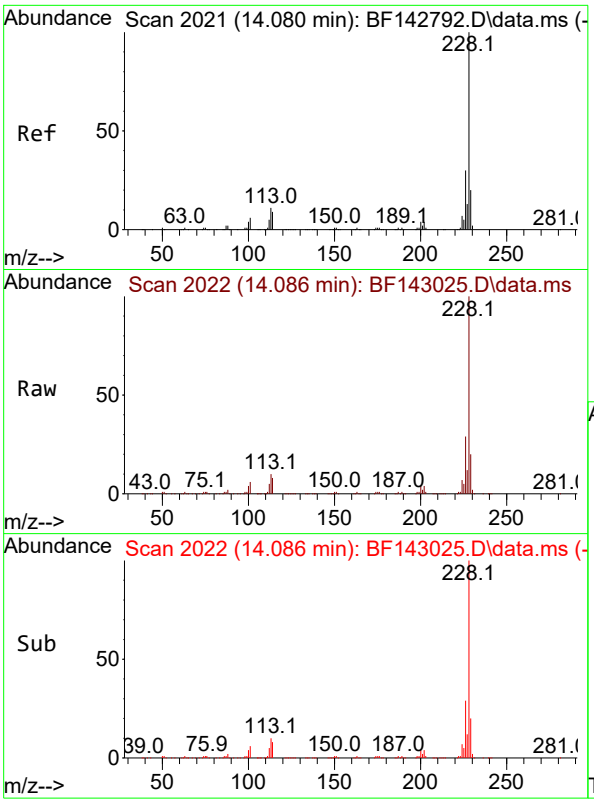


#82
3,3'-Dichlorobenzidine
Concen: 40.538 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:252 Resp: 97033

Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.7	77.5
126	11.1	9.4	14.2



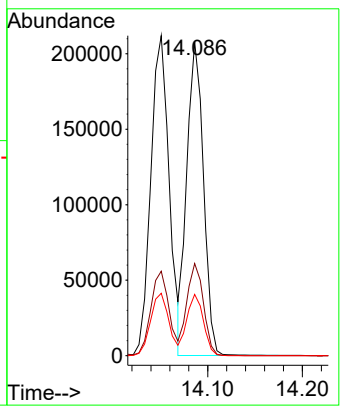


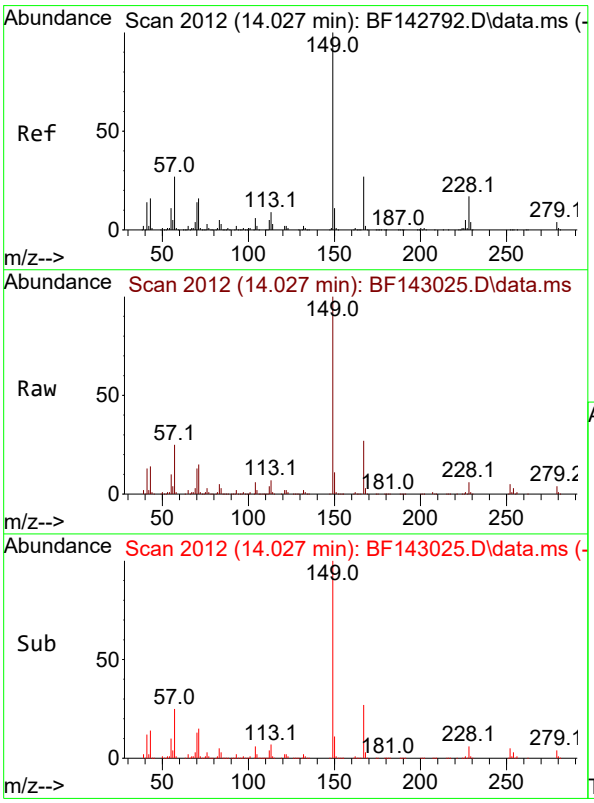
#83
Chrysene
Concen: 38.568 ng
RT: 14.086 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 253970

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.7	35.5
229	19.6	15.7	23.5

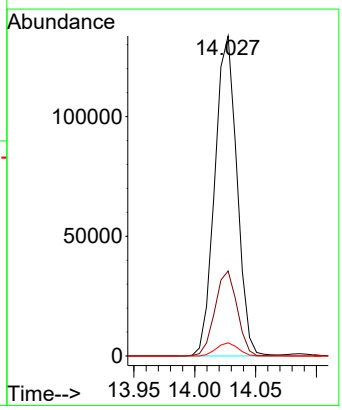


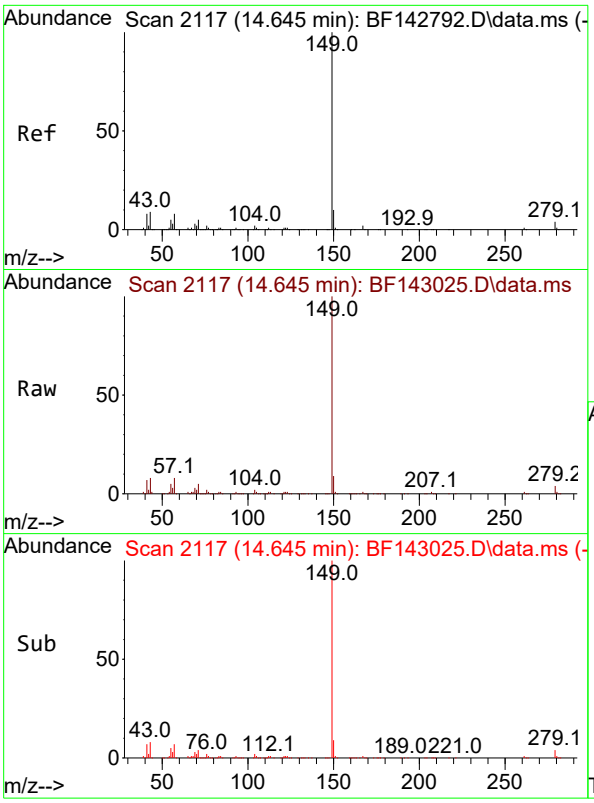


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.625 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:149 Resp: 169570

Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.4	32.0
279	4.1	3.0	4.6



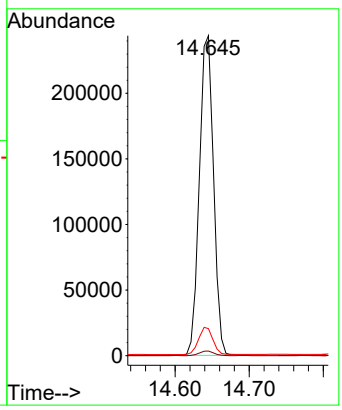


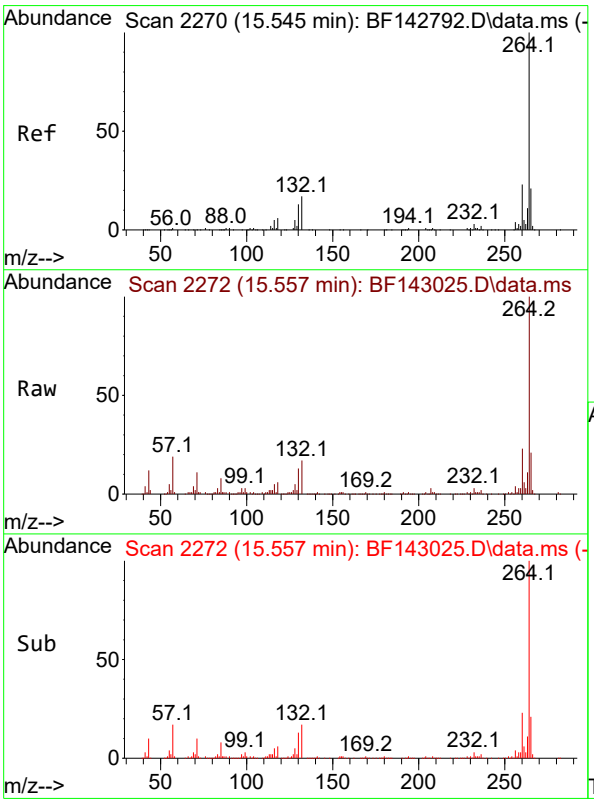
#85
Di-n-octyl phthalate
Concen: 40.101 ng
RT: 14.645 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 323589

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.6	7.6	11.4

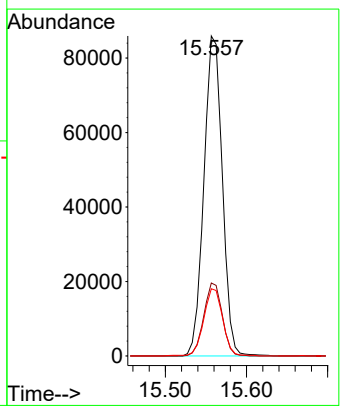


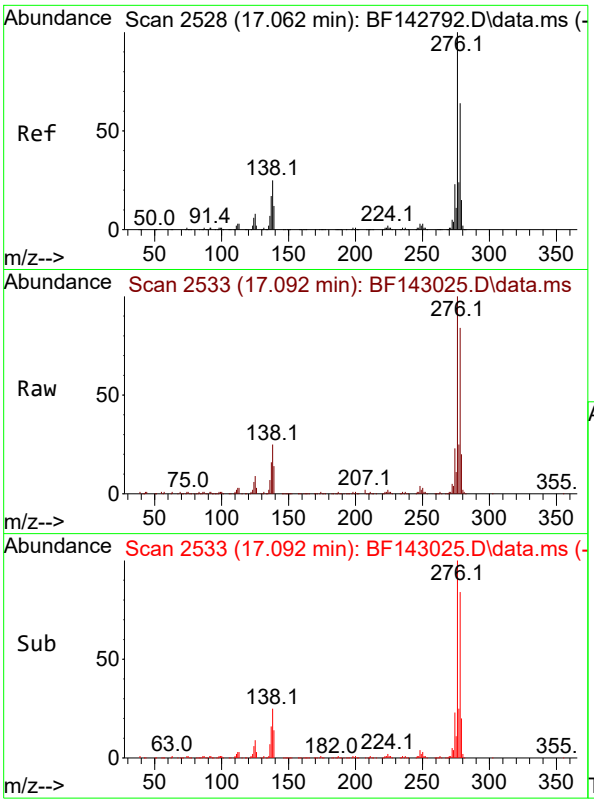


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. 0.012 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:264 Resp: 135350

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.1	27.1
265	21.0	16.6	25.0



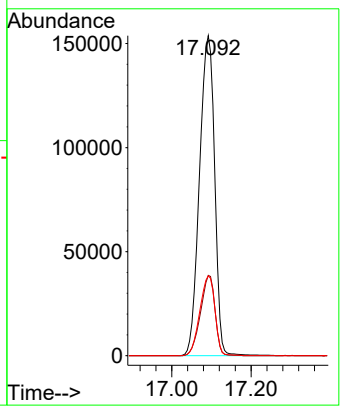


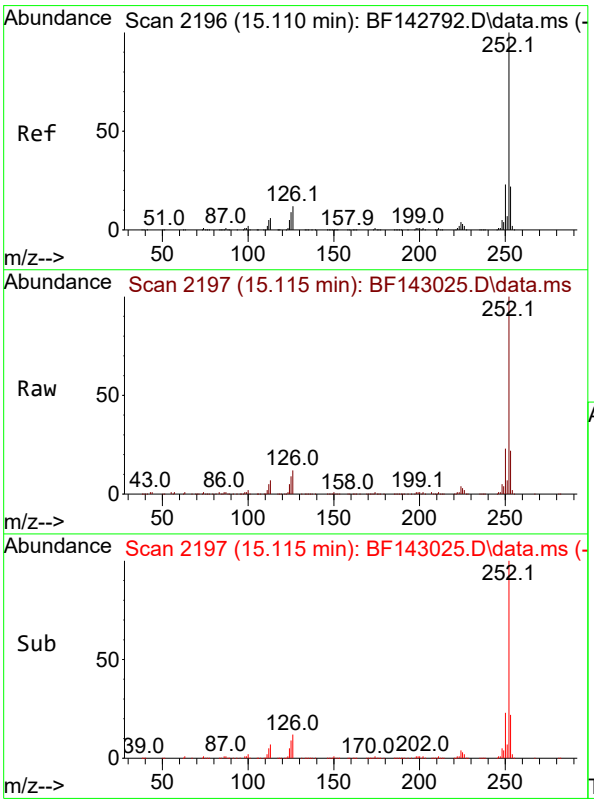
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.633 ng
RT: 17.092 min Scan# 2
Delta R.T. 0.030 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 408600

Ion	Ratio	Lower	Upper
276	100		
138	24.0	20.2	30.4
277	24.8	19.8	29.6

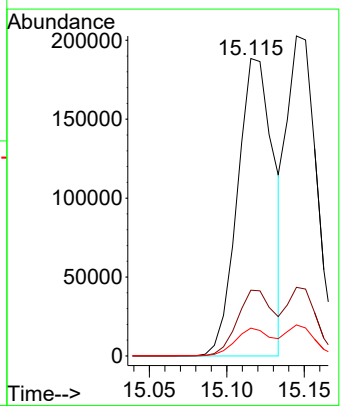


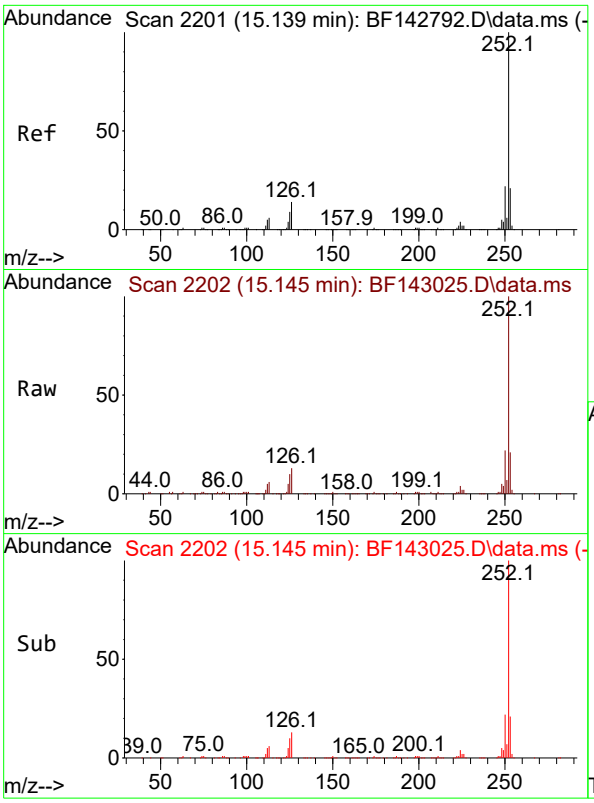


#88
Benzo(b)fluoranthene
Concen: 39.146 ng
RT: 15.115 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:252 Resp: 306592

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	9.4	7.4	11.0



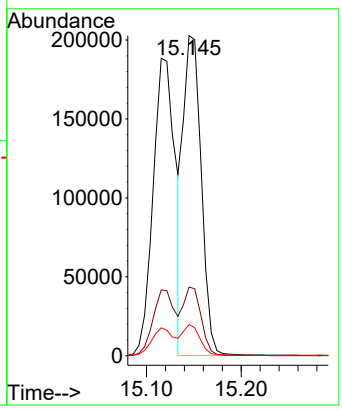


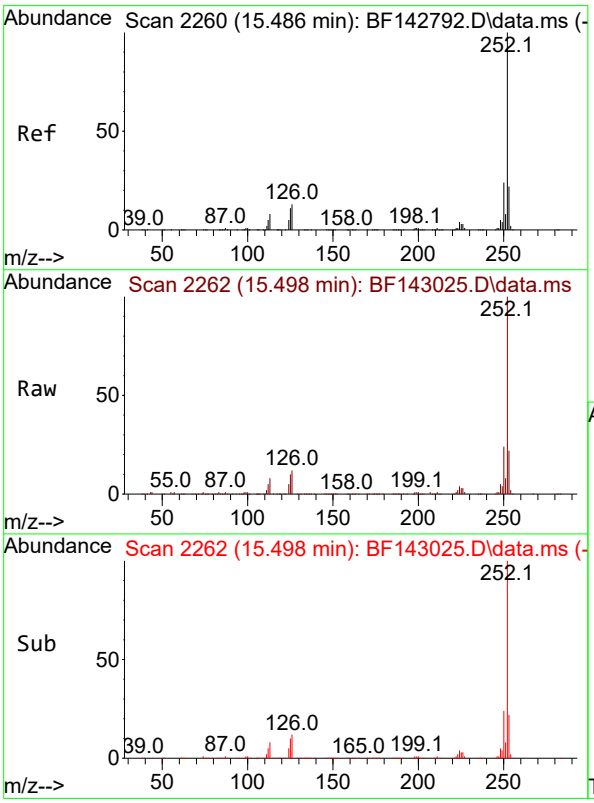
#89
Benzo(k)fluoranthene
Concen: 36.576 ng
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 268010

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.2	25.8
125	9.7	7.4	11.2

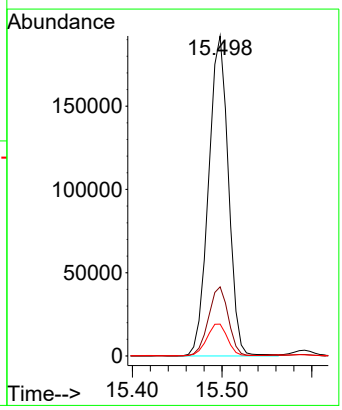


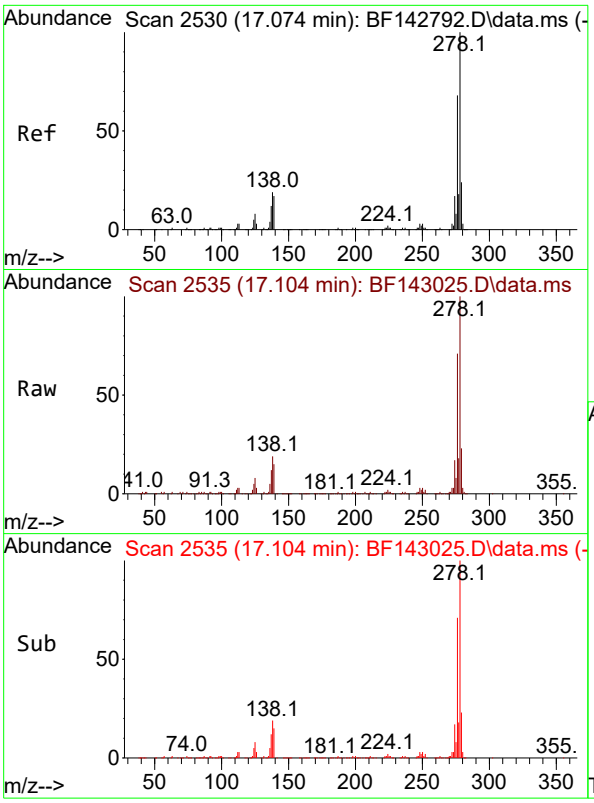


#90
Benzo(a)pyrene
Concen: 38.995 ng
RT: 15.498 min Scan# 2262
Delta R.T. 0.012 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:252 Resp: 295042

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	10.0	8.6	12.8



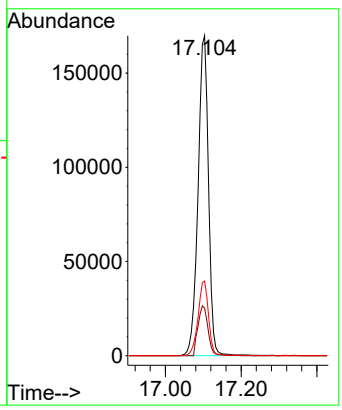


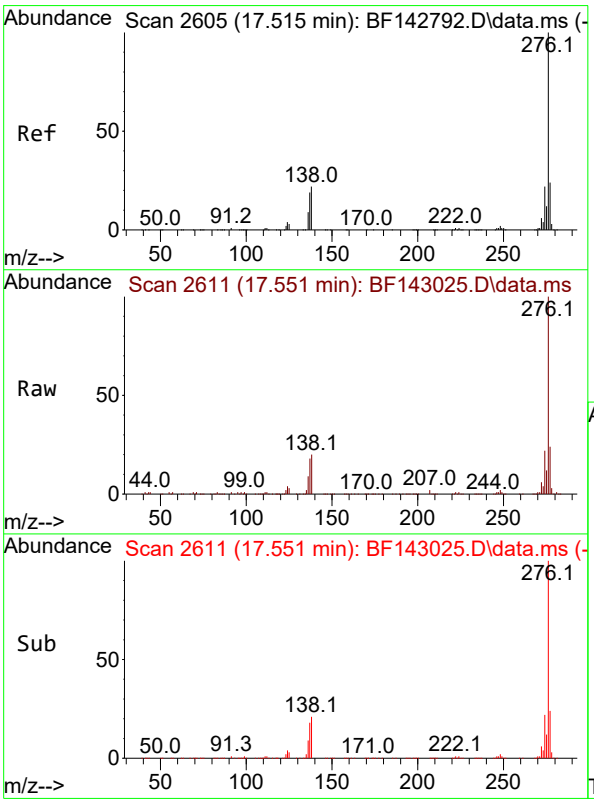
#91
Dibenzo(a,h)anthracene
Concen: 38.971 ng
RT: 17.104 min Scan# 2
Delta R.T. 0.030 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 326448

Ion	Ratio	Lower	Upper
278	100		
139	14.8	13.5	20.3
279	23.4	18.8	28.2

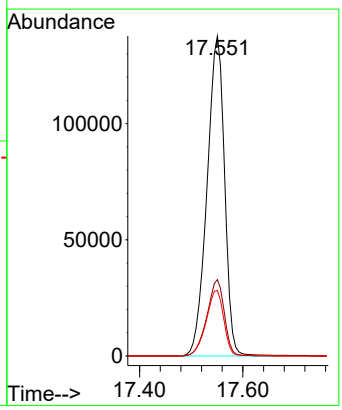




#92
Benzo(g,h,i)perylene
Concen: 38.829 ng
RT: 17.551 min Scan# 2611
Delta R.T. 0.035 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:276 Resp: 324337

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.8	28.2
138	20.5	17.6	26.4



Sample Results: **BF143025.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143025.D
Acq On : 08 Jul 2025 10:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 08 12:00:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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	80	0.00
2		1,4-Dioxane	0.480	0.434	9.6	75	-0.02
3		Pyridine	1.205	1.134	5.9	78	-0.01
4		n-Nitrosodimethylamine	0.623	0.578	7.2	77	-0.01
5	S	2-Fluorophenol	1.201	1.183	1.5	82	0.00
6		Aniline	1.886	1.831	2.9	80	0.00
7	S	Phenol-d6	1.417	1.384	2.3	82	0.00
8		2-Chlorophenol	1.296	1.276	1.5	82	0.00
9		Benzaldehyde	0.841	0.903	-7.4	95	0.00
10	C	Phenol	1.575	1.550	1.6	82	0.00
11		bis(2-Chloroethyl)ether	1.126	1.102	2.1	82	0.00
12		1,3-Dichlorobenzene	1.449	1.433	1.1	83	0.00
13	C	1,4-Dichlorobenzene	1.462	1.442	1.4	82	0.00
14		1,2-Dichlorobenzene	1.387	1.369	1.3	82	0.00
15		Benzyl Alcohol	1.025	1.025	0.0	84	0.00
16		2,2'-oxybis(1-Chloropropane	1.809	1.645	9.1	76	0.00
17		2-Methylphenol	0.982	0.973	0.9	83	0.00
18		Hexachloroethane	0.511	0.498	2.5	80	0.00
19	P	n-Nitroso-di-n-propylamine	0.824	0.805	2.3	82	0.00
20		3+4-Methylphenols	1.224	1.225	-0.1	83	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	82	0.00
22		Acetophenone	0.441	0.431	2.3	85	0.00
23	S	Nitrobenzene-d5	0.365	0.385	-5.5	90	0.00
24		Nitrobenzene	0.330	0.315	4.5	81	0.00
25		Isophorone	0.585	0.566	3.2	84	0.00
26	C	2-Nitrophenol	0.180	0.181	-0.6	84	0.00
27		2,4-Dimethylphenol	0.311	0.301	3.2	83	0.00
28		bis(2-Chloroethoxy)methane	0.372	0.361	3.0	84	0.00
29	C	2,4-Dichlorophenol	0.282	0.275	2.5	83	0.00
30		1,2,4-Trichlorobenzene	0.310	0.301	2.9	83	0.00
31		Naphthalene	0.979	0.952	2.8	84	0.00
32		Benzoic acid	0.159	0.140	11.9	73	0.02
33		4-Chloroaniline	0.398	0.391	1.8	85	0.00
34	C	Hexachlorobutadiene	0.190	0.185	2.6	83	0.00
35		Caprolactam	0.075	0.078	-4.0	90	0.00
36	C	4-Chloro-3-methylphenol	0.281	0.276	1.8	84	0.00
37		2-Methylnaphthalene	0.607	0.594	2.1	84	0.00
38		1-Methylnaphthalene	0.628	0.611	2.7	84	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	84	0.00
40		1,2,4,5-Tetrachlorobenzene	0.590	0.574	2.7	87	0.00
41	P	Hexachlorocyclopentadiene	0.335	0.341	-1.8	85	0.00
42	S	2,4,6-Tribromophenol	0.206	0.200	2.9	84	0.00
43	C	2,4,6-Trichlorophenol	0.385	0.367	4.7	85	0.00
44		2,4,5-Trichlorophenol	0.405	0.383	5.4	82	0.00
45	S	2-Fluorobiphenyl	1.522	1.552	-2.0	91	0.00
46		1,1'-Biphenyl	1.580	1.507	4.6	84	0.00
47		2-Chloronaphthalene	1.186	1.125	5.1	84	0.00

Sample Results: **BF143025.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143025.D
Acq On : 08 Jul 2025 10:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 08 12:00:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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	0.332	0.326	1.8	85	0.00
49		Acenaphthylene	1.952	1.854	5.0	84	0.00
50		Dimethylphthalate	1.295	1.287	0.6	88	0.00
51		2,6-Dinitrotoluene	0.284	0.279	1.8	85	0.00
52	C	Acenaphthene	1.191	1.180	0.9	87	0.00
53		3-Nitroaniline	0.313	0.304	2.9	85	0.00
54	P	2,4-Dinitrophenol	0.142	0.188	-32.4#	111	0.01
55		Dibenzofuran	1.708	1.634	4.3	85	0.00
56	P	4-Nitrophenol	0.214	0.259	-21.0	105	0.01
57		2,4-Dinitrotoluene	0.378	0.376	0.5	86	0.00
58		Fluorene	1.334	1.302	2.4	87	0.00
59		2,3,4,6-Tetrachlorophenol	0.326	0.307	5.8	83	0.00
60		Diethylphthalate	1.269	1.241	2.2	86	0.00
61		4-Chlorophenyl-phenylether	0.636	0.623	2.0	88	0.00
62		4-Nitroaniline	0.286	0.282	1.4	87	0.00
63		Azobenzene	1.134	1.077	5.0	84	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	83	0.00
65		4,6-Dinitro-2-methylphenol	0.121	0.120	0.8	83	0.00
66	c	n-Nitrosodiphenylamine	0.693	0.683	1.4	84	0.00
67		4-Bromophenyl-phenylether	0.228	0.230	-0.9	87	0.00
68		Hexachlorobenzene	0.253	0.251	0.8	86	0.00
69		Atrazine	0.179	0.189	-5.6	90	0.00
70	C	Pentachlorophenol	0.126	0.185	-46.8#	123	0.00
71		Phenanthrene	1.083	1.051	3.0	85	0.00
72		Anthracene	1.111	1.089	2.0	85	0.00
73		Carbazole	0.959	0.908	5.3	84	0.00
74		Di-n-butylphthalate	0.999	1.022	-2.3	89	0.00
75	C	Fluoranthene	1.028	0.959	6.7	83	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	77	0.00
77		Benzidine	0.751	0.916	-22.0	91	0.00
78		Pyrene	1.875	2.136	-13.9	94	0.00
79	S	Terphenyl-d14	1.447	1.536	-6.2	89	0.00
80		Butylbenzylphthalate	0.544	0.573	-5.3	80	0.00
81		Benzo(a)anthracene	1.349	1.310	2.9	80	0.00
82		3,3'-Dichlorobenzidine	0.438	0.444	-1.4	79	0.00
83		Chrysene	1.204	1.161	3.6	77	0.00
84		Bis(2-ethylhexyl)phthalate	0.782	0.775	0.9	74	0.00
85	c	Di-n-octyl phthalate	1.475	1.479	-0.3	78	0.00
86	I	Perylene-d12	1.000	1.000	0.0	79	0.01
87		Indeno(1,2,3-cd)pyrene	1.523	1.509	0.9	81	0.03
88		Benzo(b)fluoranthene	1.157	1.133	2.1	84	0.00
89		Benzo(k)fluoranthene	1.083	0.990	8.6	76	0.00
90	C	Benzo(a)pyrene	1.118	1.090	2.5	81	0.01
91		Dibenzo(a,h)anthracene	1.238	1.206	2.6	81	0.03
92		Benzo(g,h,i)perylene	1.234	1.198	2.9	80	0.04

Sample Results: **BF143025.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143025.D
Acq On : 08 Jul 2025 10:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 08 12:00:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Sample Results: **BF143025.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143025.D
Acq On : 08 Jul 2025 10:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 08 12:00:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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	80	0.00
2		1,4-Dioxane	40.000	36.124	9.7	75	-0.02
3		Pyridine	40.000	37.643	5.9	78	-0.01
4		n-Nitrosodimethylamine	40.000	37.086	7.3	77	-0.01
5	S	2-Fluorophenol	80.000	78.806	1.5	82	0.00
6		Aniline	40.000	38.839	2.9	80	0.00
7	S	Phenol-d6	80.000	78.144	2.3	82	0.00
8		2-Chlorophenol	40.000	39.386	1.5	82	0.00
9		Benzaldehyde	40.000	42.967	-7.4	95	0.00
10	C	Phenol	40.000	39.348	1.6	82	0.00
11		bis(2-Chloroethyl)ether	40.000	39.146	2.1	82	0.00
12		1,3-Dichlorobenzene	40.000	39.558	1.1	83	0.00
13	C	1,4-Dichlorobenzene	40.000	39.445	1.4	82	0.00
14		1,2-Dichlorobenzene	40.000	39.496	1.3	82	0.00
15		Benzyl Alcohol	40.000	40.010	-0.0	84	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	36.380	9.0	76	0.00
17		2-Methylphenol	40.000	39.617	1.0	83	0.00
18		Hexachloroethane	40.000	38.946	2.6	80	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.059	2.4	82	0.00
20		3+4-Methylphenols	40.000	40.025	-0.1	83	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	82	0.00
22		Acetophenone	40.000	39.098	2.3	85	0.00
23	S	Nitrobenzene-d5	80.000	84.546	-5.7	90	0.00
24		Nitrobenzene	40.000	38.199	4.5	81	0.00
25		Isophorone	40.000	38.737	3.2	84	0.00
26	C	2-Nitrophenol	40.000	40.333	-0.8	84	0.00
27		2,4-Dimethylphenol	40.000	38.666	3.3	83	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.878	2.8	84	0.00
29	C	2,4-Dichlorophenol	40.000	38.983	2.5	83	0.00
30		1,2,4-Trichlorobenzene	40.000	38.835	2.9	83	0.00
31		Naphthalene	40.000	38.890	2.8	84	0.00
32		Benzoic acid	40.000	35.279	11.8	73	0.02
33		4-Chloroaniline	40.000	39.314	1.7	85	0.00
34	C	Hexachlorobutadiene	40.000	39.023	2.4	83	0.00
35		Caprolactam	40.000	41.901	-4.8	90	0.00
36	C	4-Chloro-3-methylphenol	40.000	39.303	1.7	84	0.00
37		2-Methylnaphthalene	40.000	39.127	2.2	84	0.00
38		1-Methylnaphthalene	40.000	38.925	2.7	84	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	84	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.905	2.7	87	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.686	-1.7	85	0.00
42	S	2,4,6-Tribromophenol	80.000	77.630	3.0	84	0.00
43	C	2,4,6-Trichlorophenol	40.000	38.180	4.6	85	0.00
44		2,4,5-Trichlorophenol	40.000	37.813	5.5	82	0.00
45	S	2-Fluorobiphenyl	80.000	81.561	-2.0	91	0.00
46		1,1'-Biphenyl	40.000	38.145	4.6	84	0.00
47		2-Chloronaphthalene	40.000	37.941	5.1	84	0.00

Sample Results: **BF143025.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143025.D
Acq On : 08 Jul 2025 10:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 08 12:00:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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	39.256	1.9	85	0.00
49		Acenaphthylene	40.000	37.997	5.0	84	0.00
50		Dimethylphthalate	40.000	39.752	0.6	88	0.00
51		2,6-Dinitrotoluene	40.000	39.188	2.0	85	0.00
52	C	Acenaphthene	40.000	39.643	0.9	87	0.00
53		3-Nitroaniline	40.000	38.881	2.8	85	0.00
54	P	2,4-Dinitrophenol	40.000	52.757	-31.9#	111	0.01
55		Dibenzofuran	40.000	38.268	4.3	85	0.00
56	P	4-Nitrophenol	40.000	48.300	-20.7	105	0.01
57		2,4-Dinitrotoluene	40.000	39.860	0.4	86	0.00
58		Fluorene	40.000	39.038	2.4	87	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	37.618	6.0	83	0.00
60		Diethylphthalate	40.000	39.111	2.2	86	0.00
61		4-Chlorophenyl-phenylether	40.000	39.156	2.1	88	0.00
62		4-Nitroaniline	40.000	39.365	1.6	87	0.00
63		Azobenzene	40.000	37.977	5.1	84	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	83	0.00
65		4,6-Dinitro-2-methylphenol	40.000	39.580	1.1	83	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.436	1.4	84	0.00
67		4-Bromophenyl-phenylether	40.000	40.413	-1.0	87	0.00
68		Hexachlorobenzene	40.000	39.689	0.8	86	0.00
69		Atrazine	40.000	42.266	-5.7	90	0.00
70	C	Pentachlorophenol	40.000	58.845	-47.1#	123	0.00
71		Phenanthrene	40.000	38.822	2.9	85	0.00
72		Anthracene	40.000	39.196	2.0	85	0.00
73		Carbazole	40.000	37.887	5.3	84	0.00
74		Di-n-butylphthalate	40.000	40.919	-2.3	89	0.00
75	C	Fluoranthene	40.000	37.322	6.7	83	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	77	0.00
77		Benzidine	40.000	48.779	-21.9	91	0.00
78		Pyrene	40.000	45.585	-14.0	94	0.00
79	S	Terphenyl-d14	80.000	84.898	-6.1	89	0.00
80		Butylbenzylphthalate	40.000	42.130	-5.3	80	0.00
81		Benzo(a)anthracene	40.000	38.824	2.9	80	0.00
82		3,3'-Dichlorobenzidine	40.000	40.538	-1.3	79	0.00
83		Chrysene	40.000	38.568	3.6	77	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	39.625	0.9	74	0.00
85	c	Di-n-octyl phthalate	40.000	40.101	-0.3	78	0.00
86	I	Perylene-d12	20.000	20.000	0.0	79	0.01
87		Indeno(1,2,3-cd)pyrene	40.000	39.633	0.9	81	0.03
88		Benzo(b)fluoranthene	40.000	39.146	2.1	84	0.00
89		Benzo(k)fluoranthene	40.000	36.576	8.6	76	0.00
90	C	Benzo(a)pyrene	40.000	38.995	2.5	81	0.01
91		Dibenzo(a,h)anthracene	40.000	38.971	2.6	81	0.03
92		Benzo(g,h,i)perylene	40.000	38.829	2.9	80	0.04

Sample Results: **BF143025.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143025.D
Acq On : 08 Jul 2025 10:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 08 12:00:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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

QC SAMPLE DATA

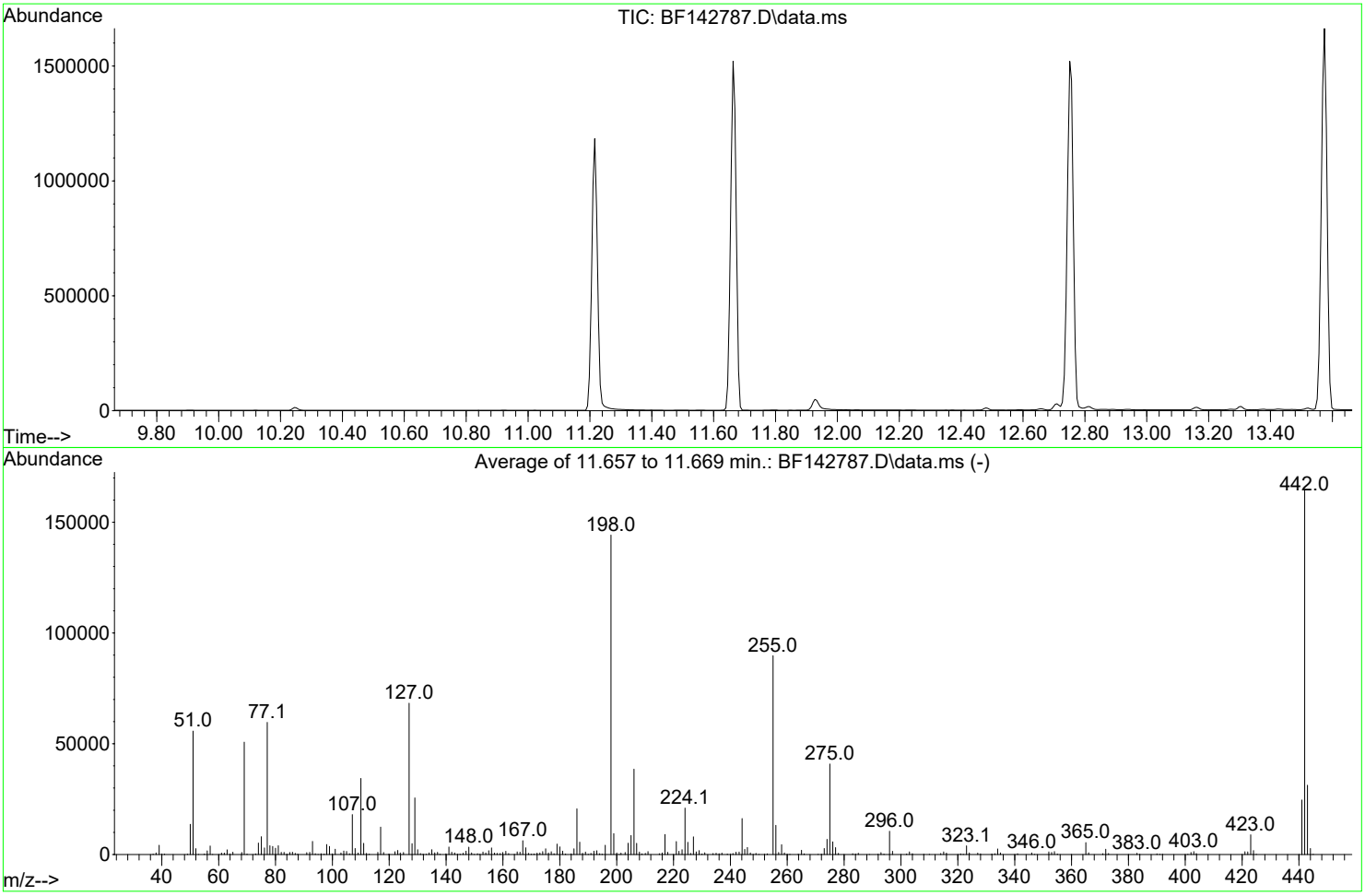
Sample Results: **BF142787.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142787.D
Acq On : 19 Jun 2025 16:37
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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jun 20 05:06:14 2025



AutoFind: Scans 1609, 1610, 1611; Background Corrected with Scan 1603

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	926	PASS
69	69	100	100	100.0	50712	PASS
70	69	0.00	2	0.5	243	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	144192	PASS
199	198	5	9	6.6	9464	PASS
365	198	1	100	3.7	5372	PASS
441	443	0.01	150	78.8	24649	PASS
442	442	100	100	100.0	164283	PASS
443	442	15	24	19.1	31296	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
6/19/2025	BNA_F	BF142787.D
Compound Name	**Response**	**Retention Time**
DDT	429715	13.574
DDD	7712	13.304
DDE	717	12.939
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
8429	438144	1.92

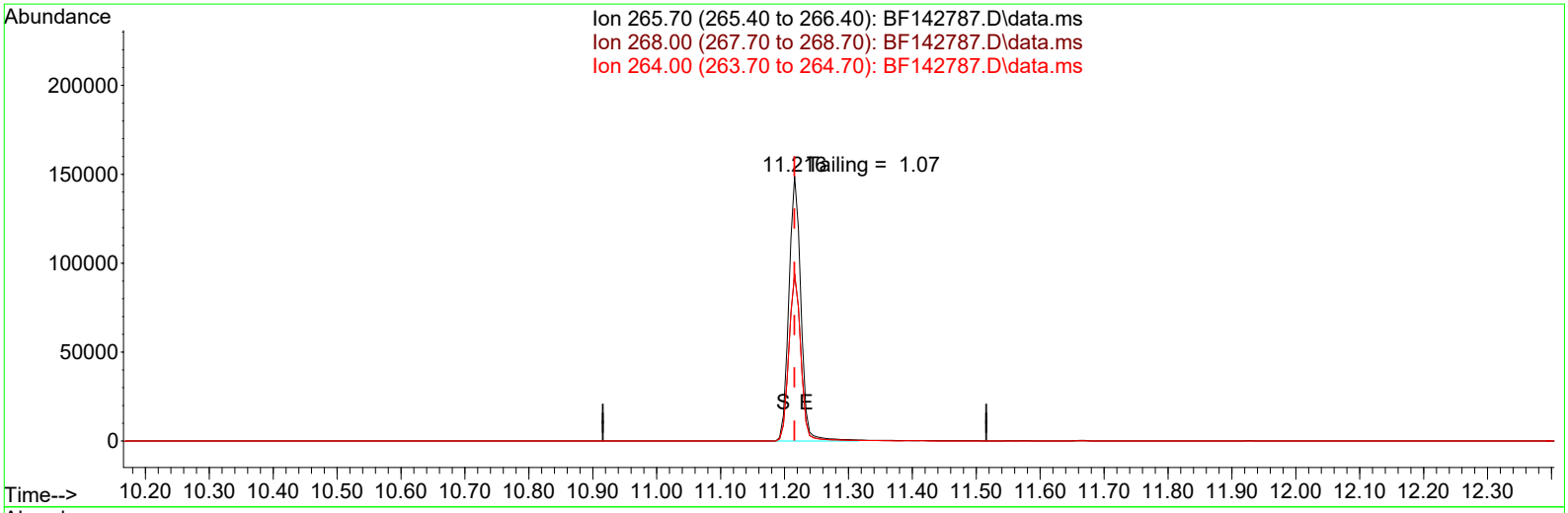
Instrument :
BNA_F
ClientSampleId :
DFTPP

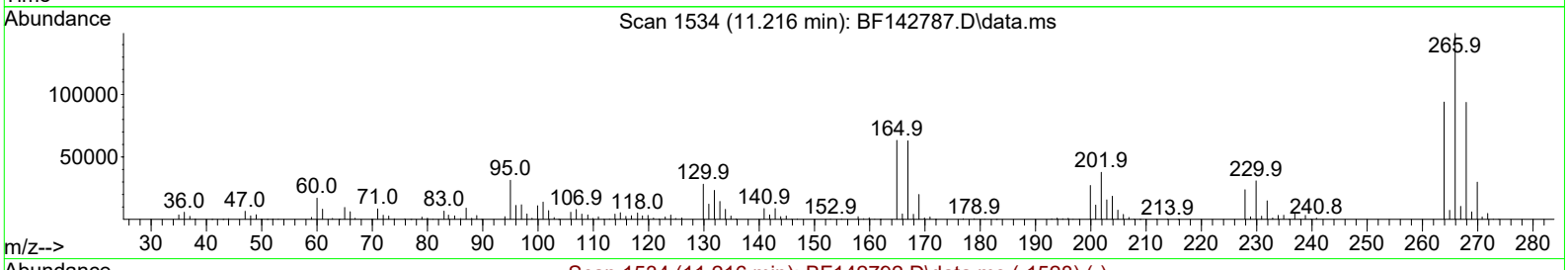
Sample Results: **BF142787.D**

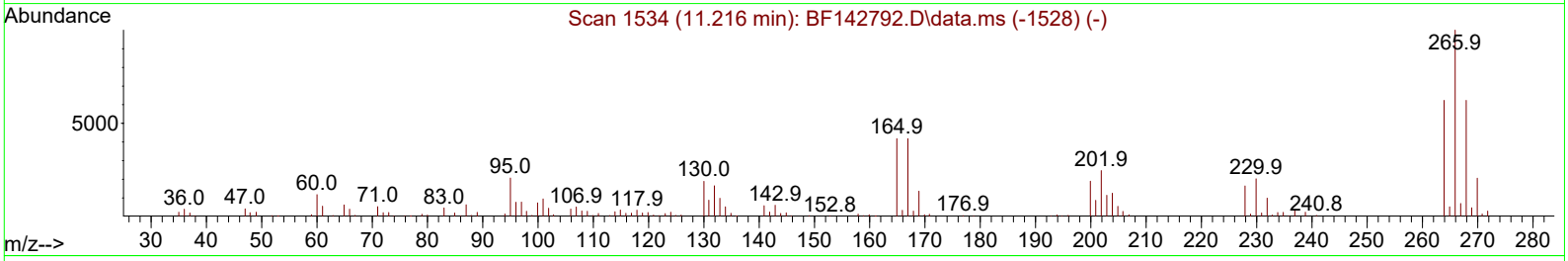
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142787.D
Acq On : 19 Jun 2025 16:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 20 05:38:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 05:06:14 2025
Response via : Initial Calibration







TIC: BF142787.D\data.ms

(70) Pentachlorophenol (C)

11.216min (+ 0.000) 37164.56 ng

response 195787

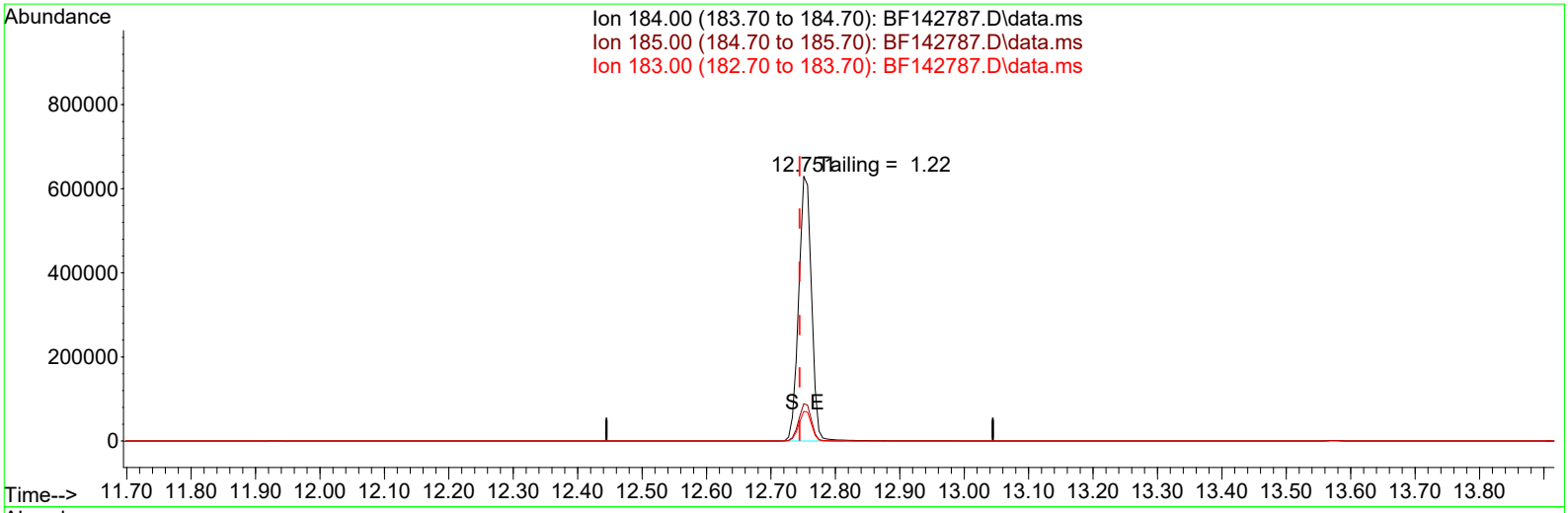
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.30	62.94
264.00	62.40	63.12
0.00	0.00	0.00

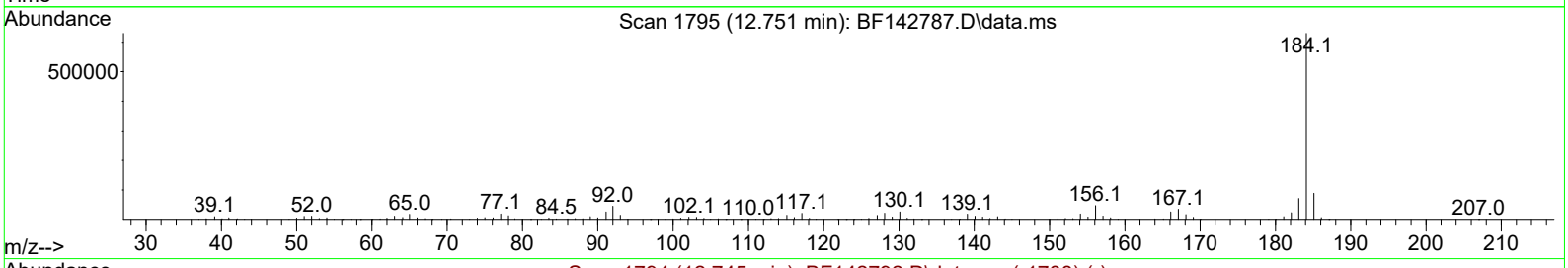
Sample Results: **BF142787.D**

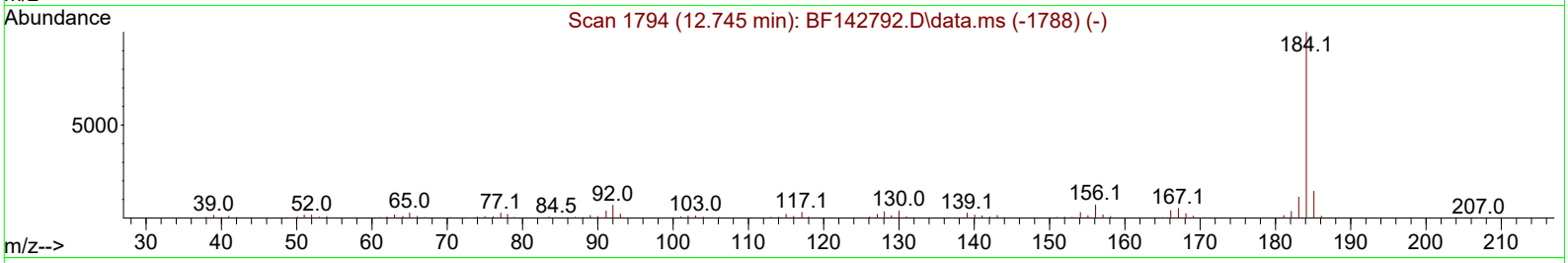
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142787.D
Acq On : 19 Jun 2025 16:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 20 05:38:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 05:06:14 2025
Response via : Initial Calibration







TIC: BF142787.D\data.ms

(77) Benzidine

12.751min (+ 0.006) 0.00 ng

response 874127

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.11
183.00	11.20	11.25
0.00	0.00	0.00

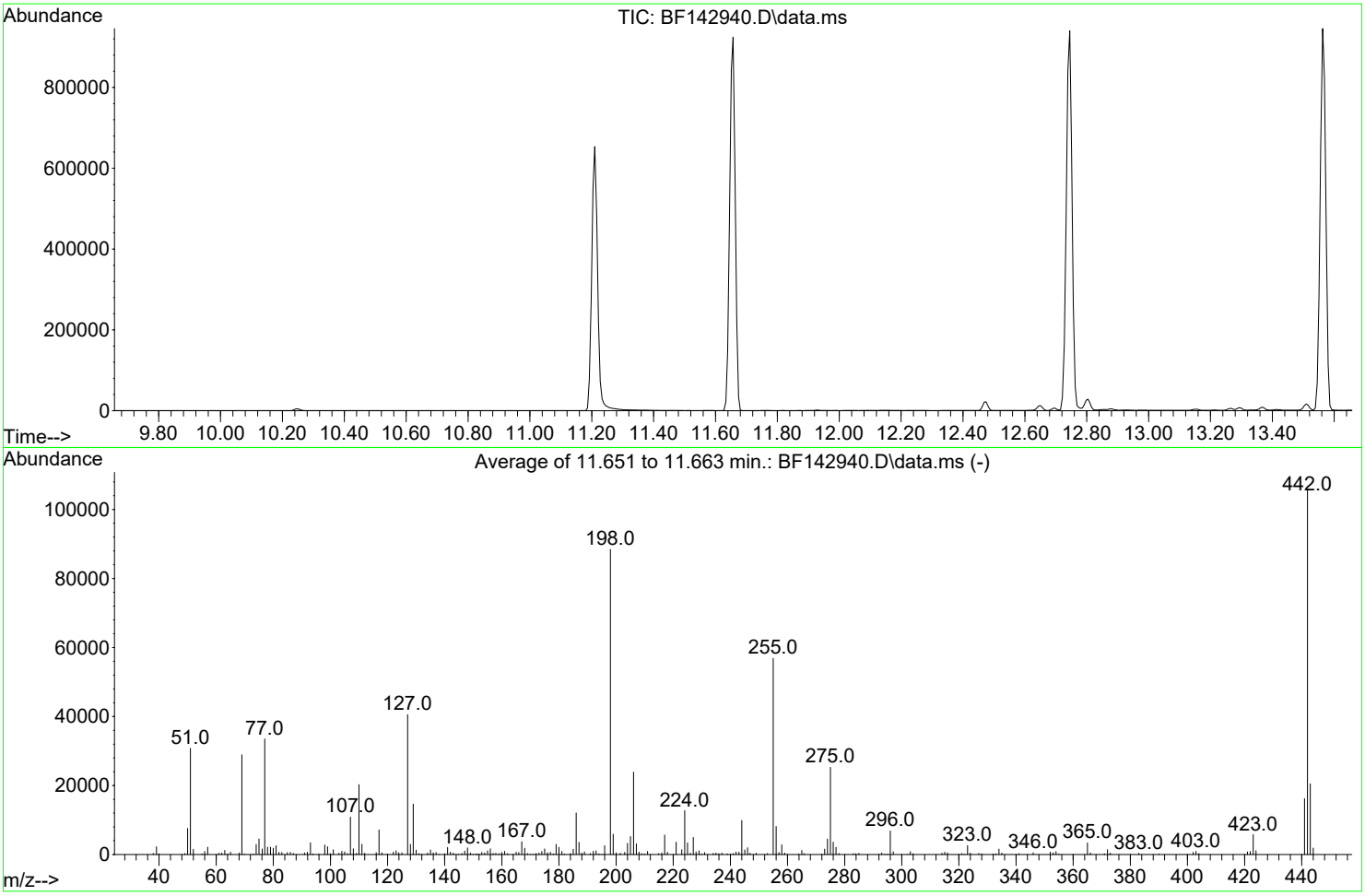
Sample Results: **BF142940.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142940.D
Acq On : 01 Jul 2025 09:46
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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jun 24 05:28:21 2025



AutoFind: Scans 1608, 1609, 1610; Background Corrected with Scan 1601

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	473	PASS
69	69	100	100	100.0	28920	PASS
70	69	0.00	2	0.5	142	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	88464	PASS
199	198	5	9	6.7	5906	PASS
365	198	1	100	3.8	3402	PASS
441	443	0.01	150	79.1	16192	PASS
442	442	100	100	100.0	105496	PASS
443	442	15	24	19.4	20483	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
7/1/2025	BNA_F	BF142940.D
Compound Name	**Response**	**Retention Time**
DDT	242723	13.563
DDD	4666	13.292
DDE	432	12.927
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
5098	247821	2.06

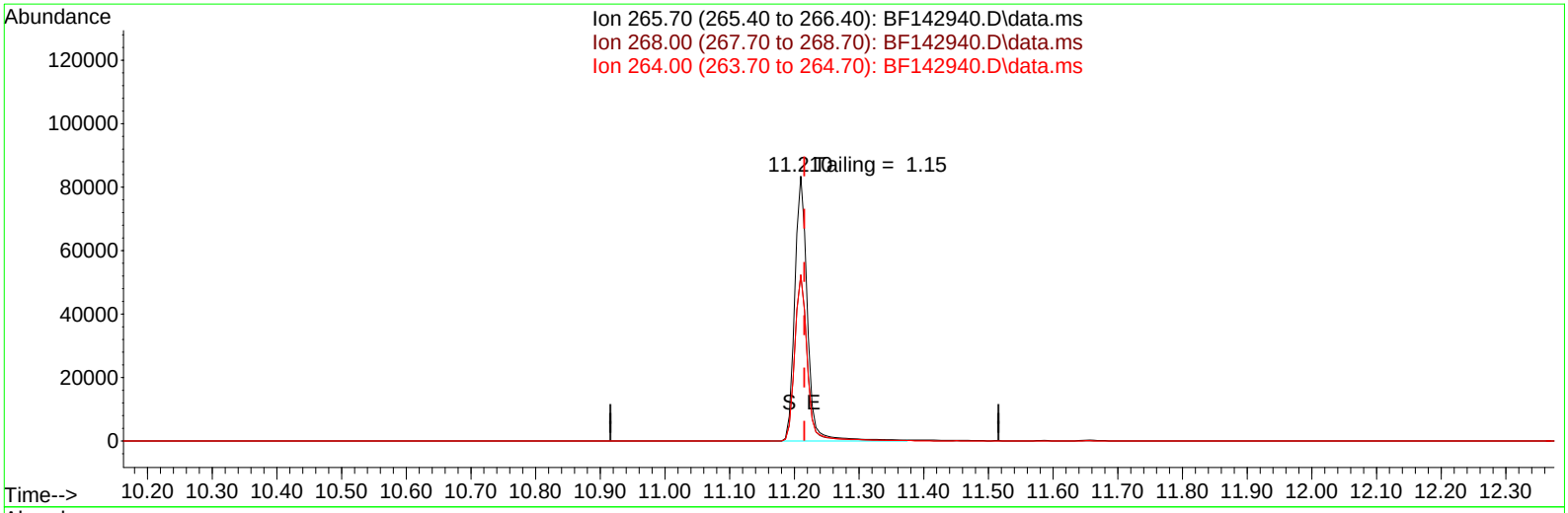
Instrument :
BNA_F
ClientSampleId :
DFTPP

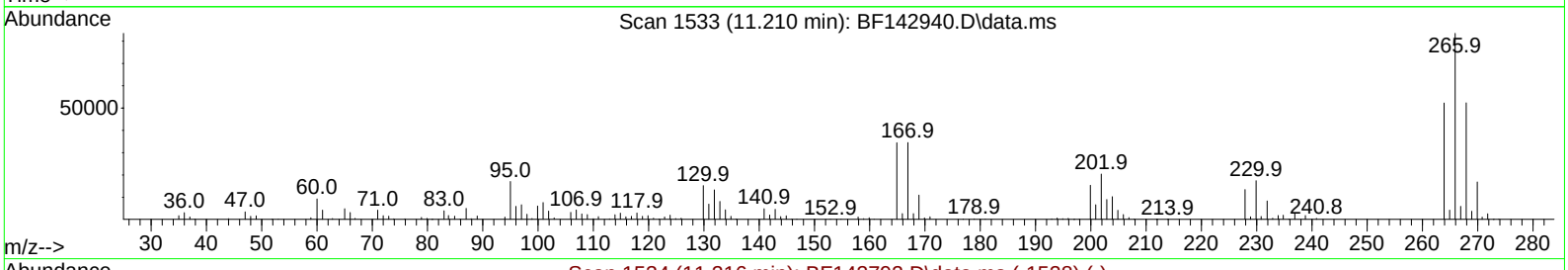
Sample Results: **BF142940.D**

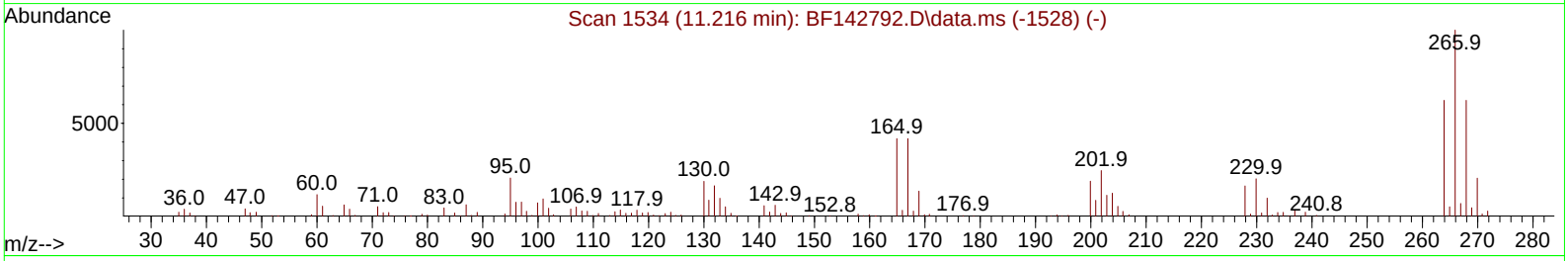
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142940.D
Acq On : 01 Jul 2025 09:46
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 01 11:49:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration







TIC: BF142940.D\data.ms

(70) Pentachlorophenol (C)

11.210min (-0.006) 34015.90 ng

response 113393

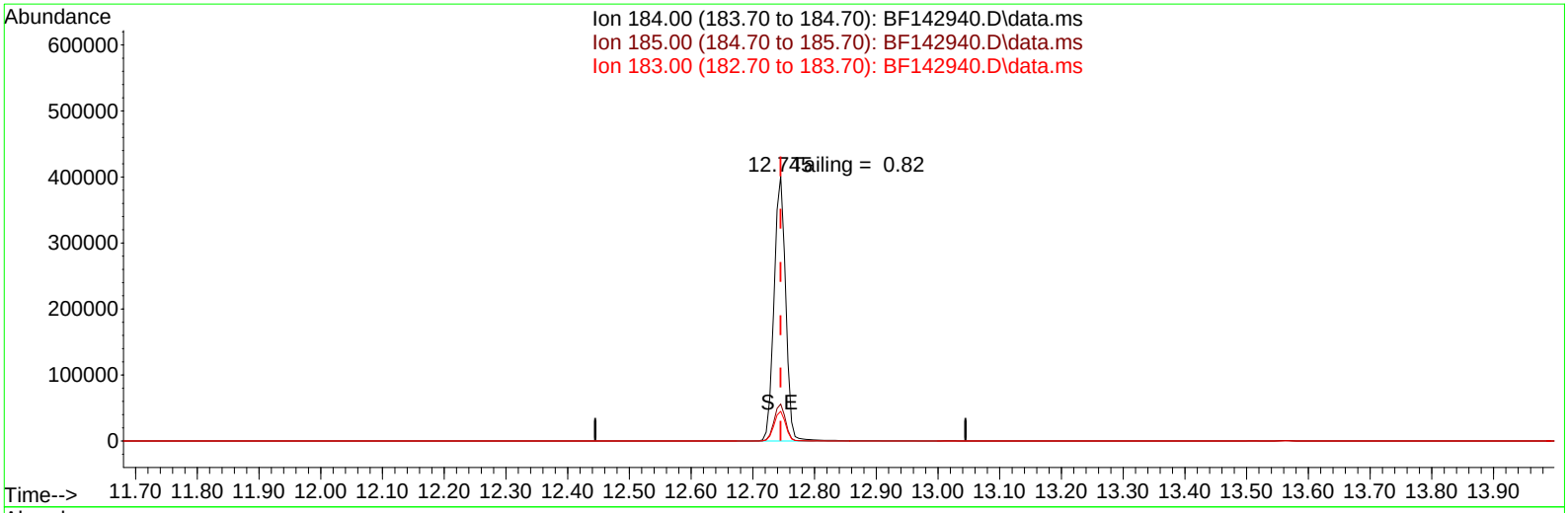
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.30	62.73
264.00	62.40	62.65
0.00	0.00	0.00

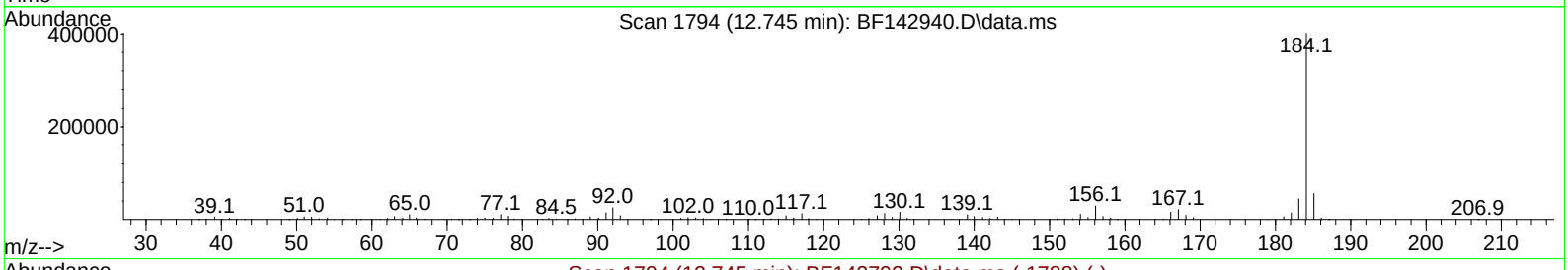
Sample Results: **BF142940.D**

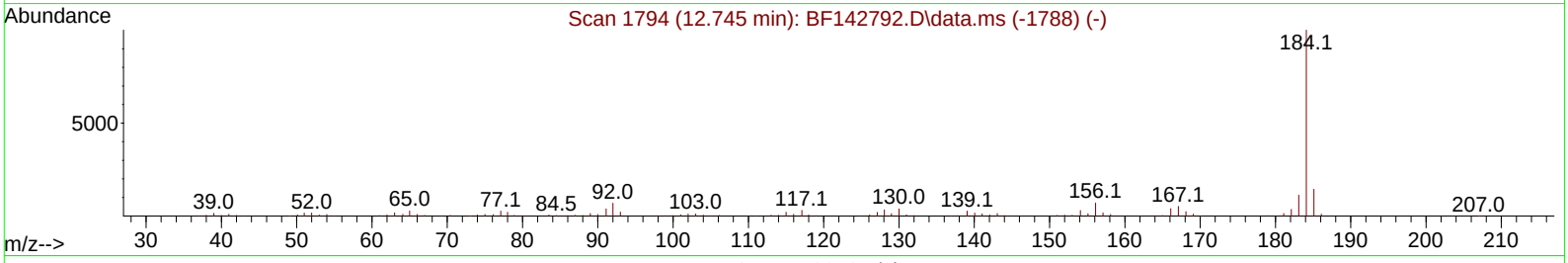
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142940.D
Acq On : 01 Jul 2025 09:46
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 01 11:49:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration







TIC: BF142940.D\data.ms

(77) Benzidine

12.745min (+ 0.000) 0.00 ng

response 528206

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.98
183.00	11.20	11.23
0.00	0.00	0.00

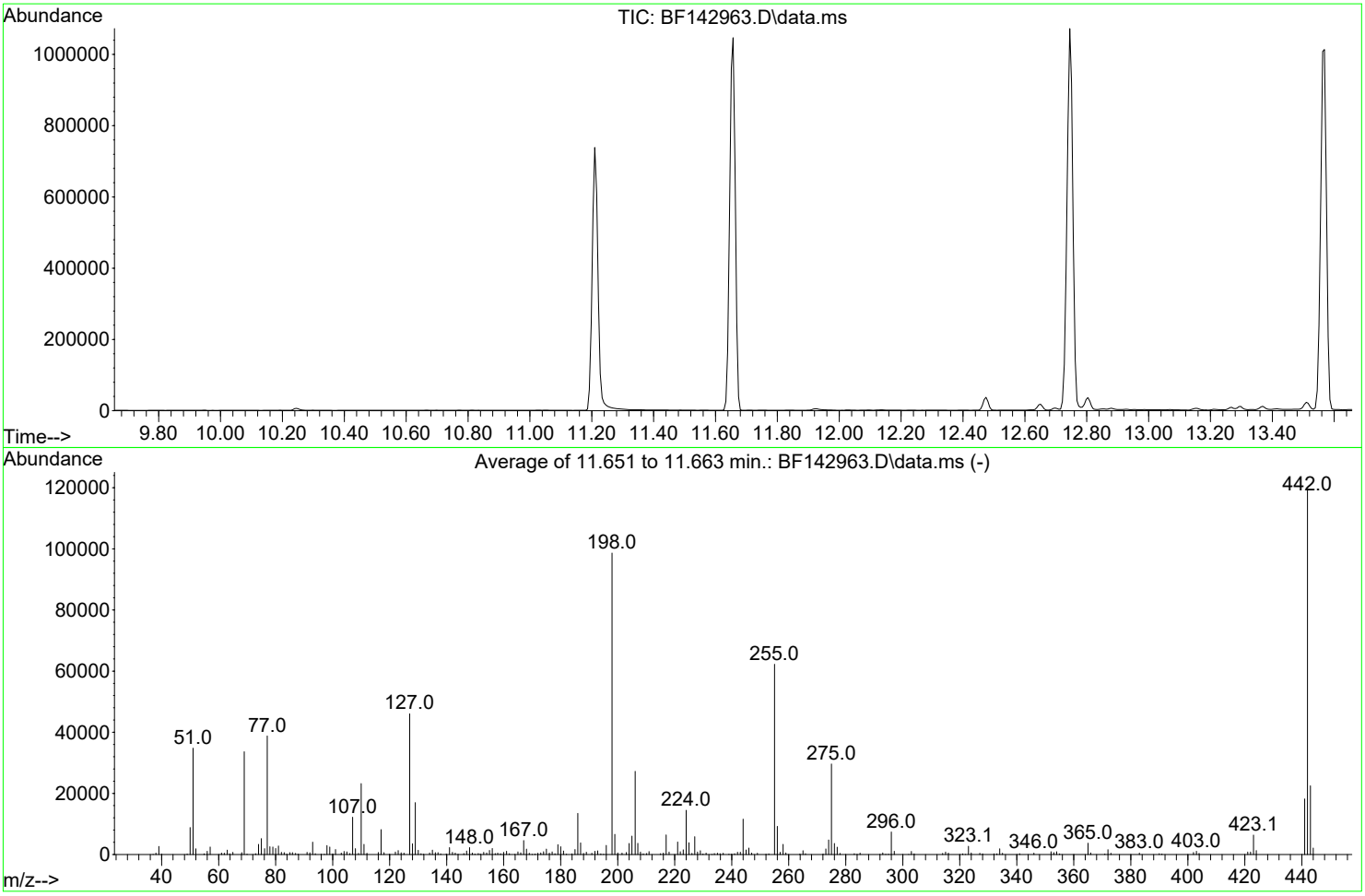
Sample Results: **BF142963.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142963.D
Acq On : 02 Jul 2025 11:11
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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jun 24 05:28:21 2025



AutoFind: Scans 1608, 1609, 1610; Background Corrected with Scan 1601

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	624	PASS
69	69	100	100	100.0	33651	PASS
70	69	0.00	2	0.4	133	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	98616	PASS
199	198	5	9	6.7	6630	PASS
365	198	1	100	3.8	3728	PASS
441	443	0.01	150	81.0	18210	PASS
442	442	100	100	100.0	119077	PASS
443	442	15	24	18.9	22491	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
7/2/2025	BNA_F	BF142963.D
Compound Name	**Response**	**Retention Time**
DDT	275405	13.569
DDD	6210	13.292
DDE	759	12.927
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
6969	282374	2.47

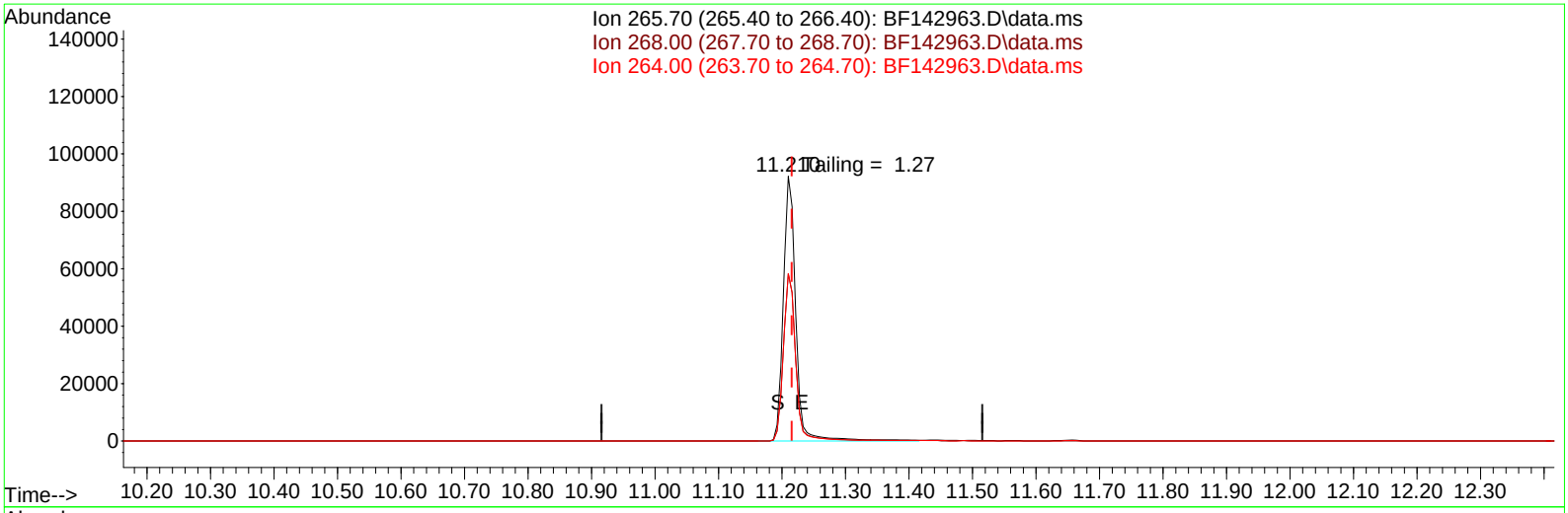
Instrument :
BNA_F
ClientSampleId :
DFTPP

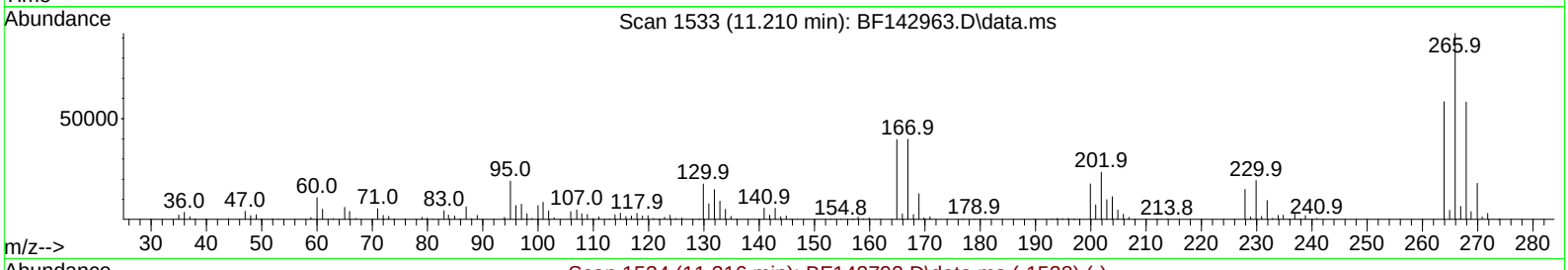
Sample Results: **BF142963.D**

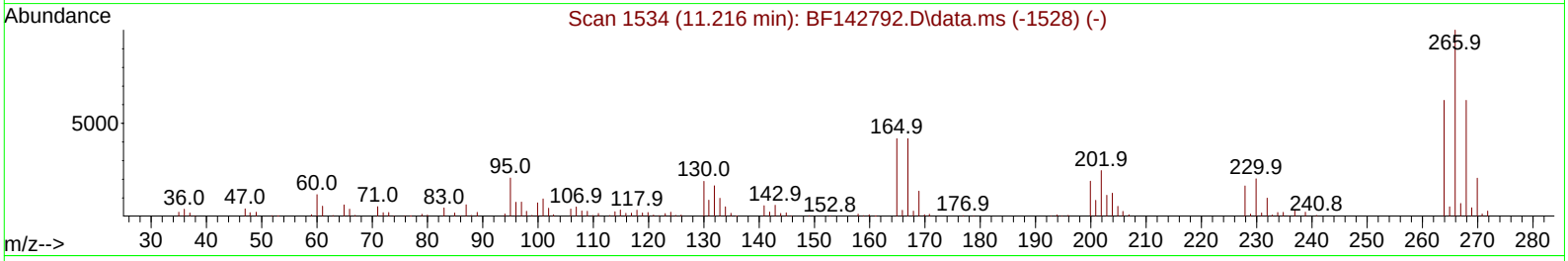
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142963.D
Acq On : 02 Jul 2025 11:11
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 02 12:34:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration







TIC: BF142963.D\data.ms

(70) Pentachlorophenol (C)

11.210min (-0.006) 40110.10 ng

response 126631

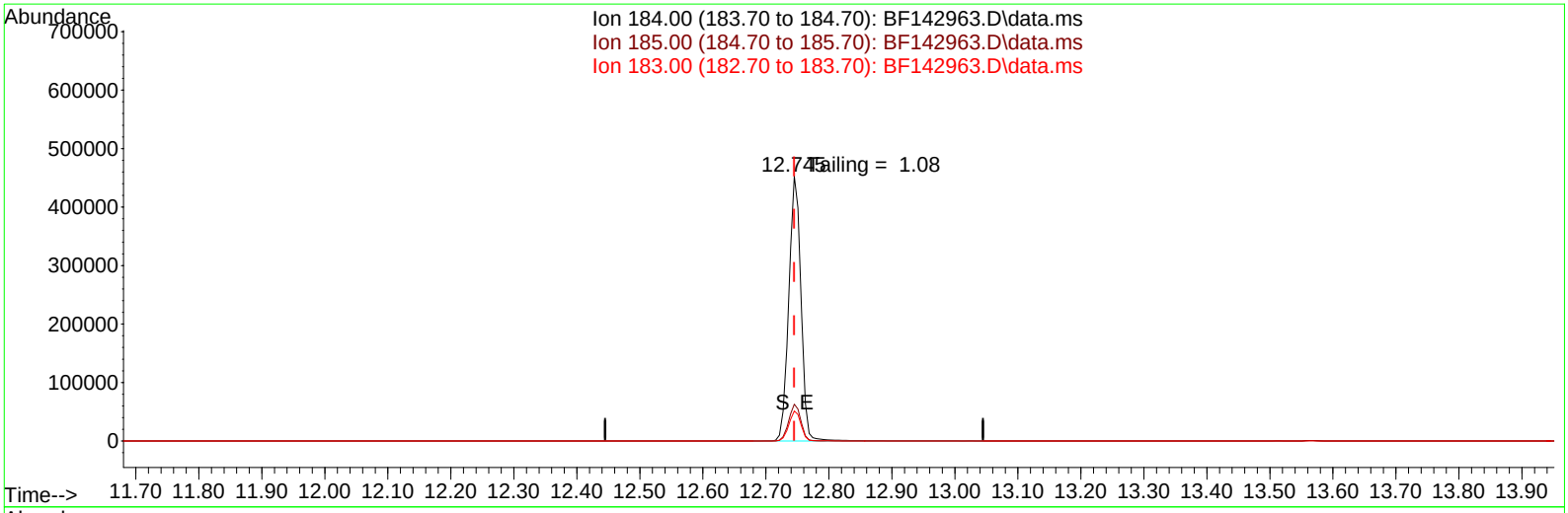
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.30	63.15
264.00	62.40	63.29
0.00	0.00	0.00

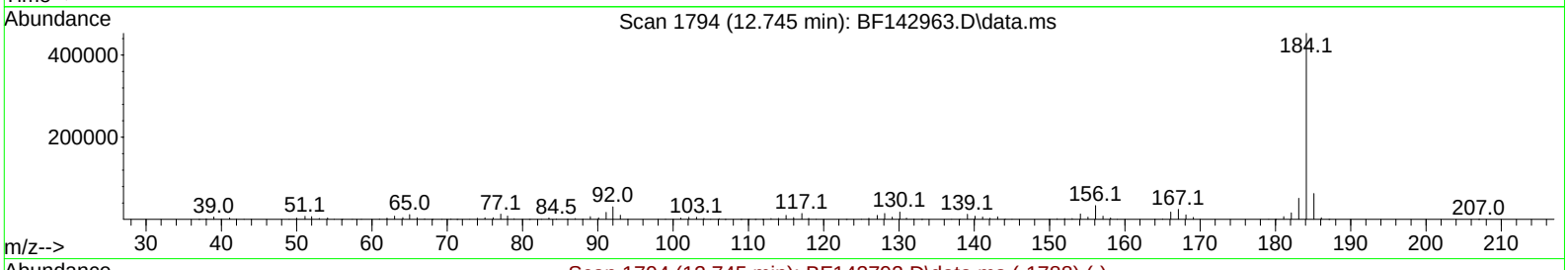
Sample Results: **BF142963.D**

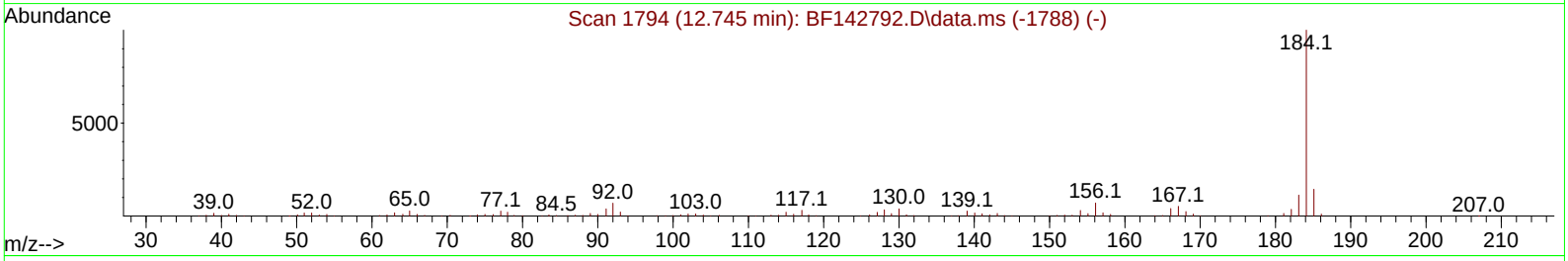
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142963.D
Acq On : 02 Jul 2025 11:11
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 02 12:34:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration







TIC: BF142963.D\data.ms

(77) Benzidine

12.745min (+ 0.000) 0.00 ng

response 612096

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.89
183.00	11.20	11.35
0.00	0.00	0.00

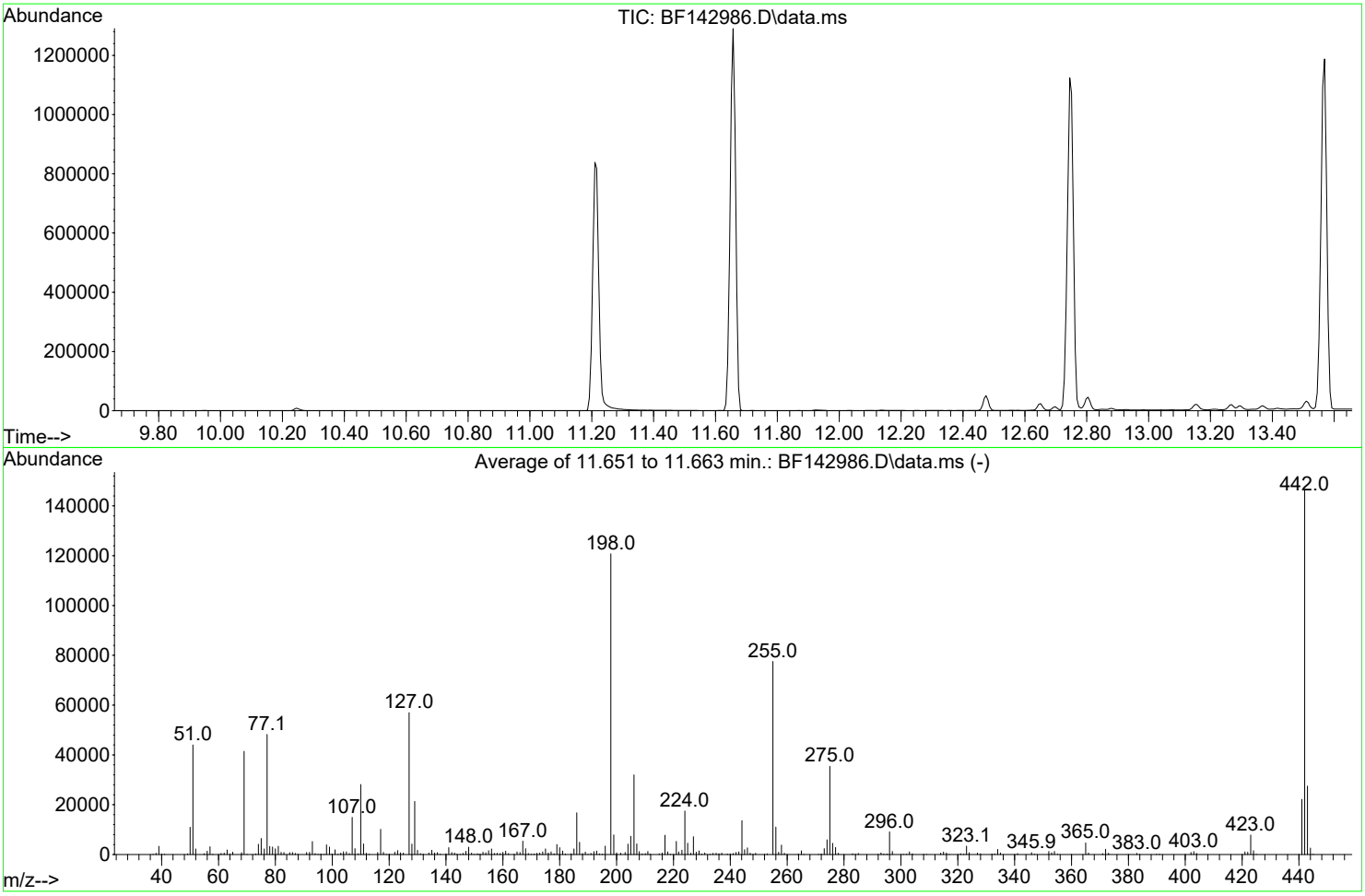
Sample Results: **BF142986.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142986.D
Acq On : 03 Jul 2025 09:25
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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jun 24 05:28:21 2025



AutoFind: Scans 1608, 1609, 1610; Background Corrected with Scan 1601

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	753	PASS
69	69	100	100	100.0	41448	PASS
70	69	0.00	2	0.3	128	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	120760	PASS
199	198	5	9	6.5	7874	PASS
365	198	1	100	3.9	4686	PASS
441	443	0.01	150	80.6	22149	PASS
442	442	100	100	100.0	146165	PASS
443	442	15	24	18.8	27493	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
7/3/2025	BNA_F	BF142940.D
Compound Name	**Response**	**Retention Time**
DDT	315072	13.569
DDD	9738	13.269
DDE	534	12.927
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
10272	325344	3.16

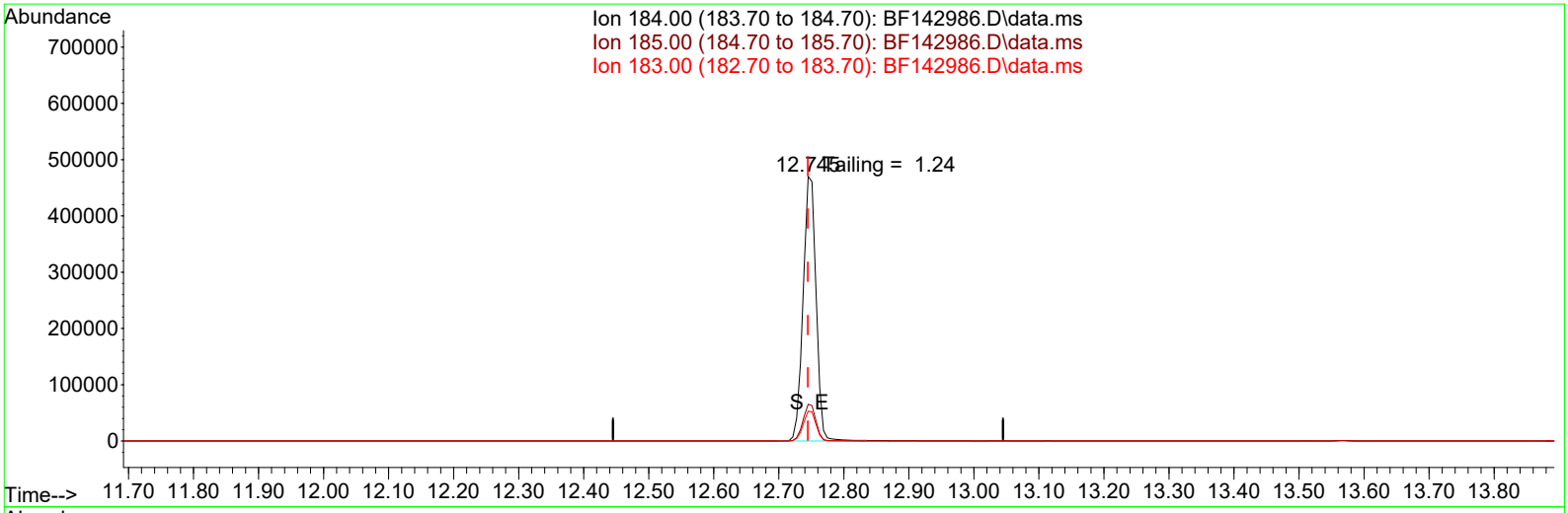
Instrument :
BNA_F
ClientSampleId :
DFTPP

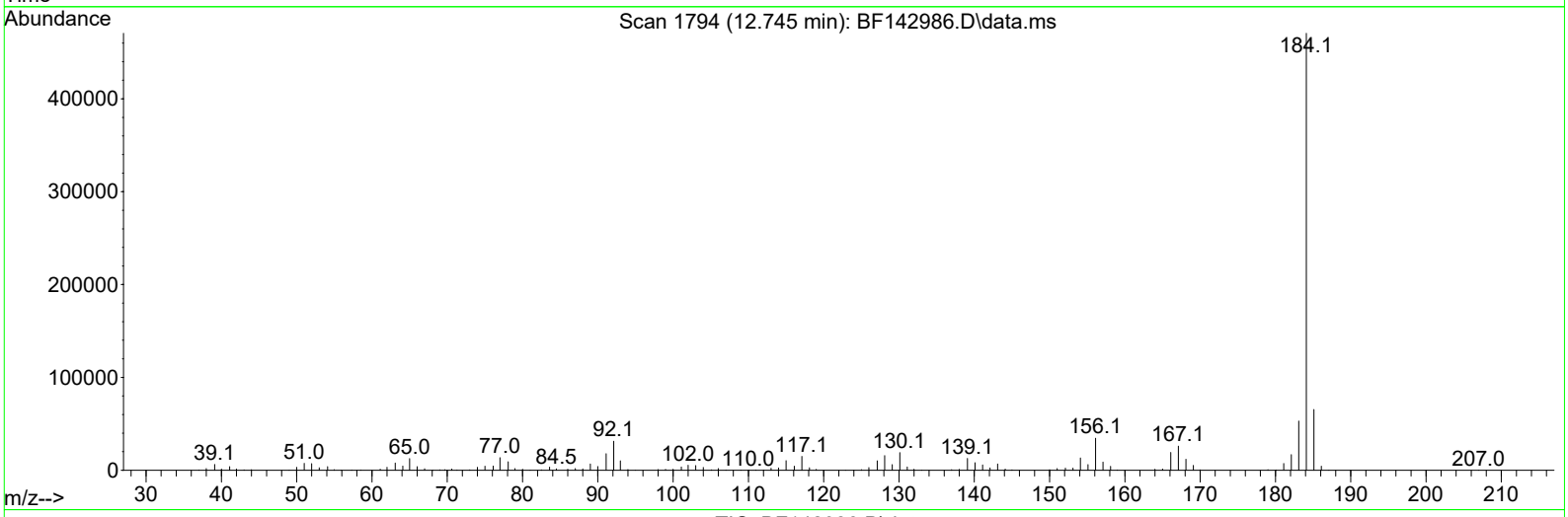
Sample Results: **BF142986.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142986.D
Acq On : 03 Jul 2025 09:25
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 03 11:16:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration





TIC: BF142986.D\data.ms

(77) Benzidine

12.745min (+ 0.000) 0.00 ng

response 654353

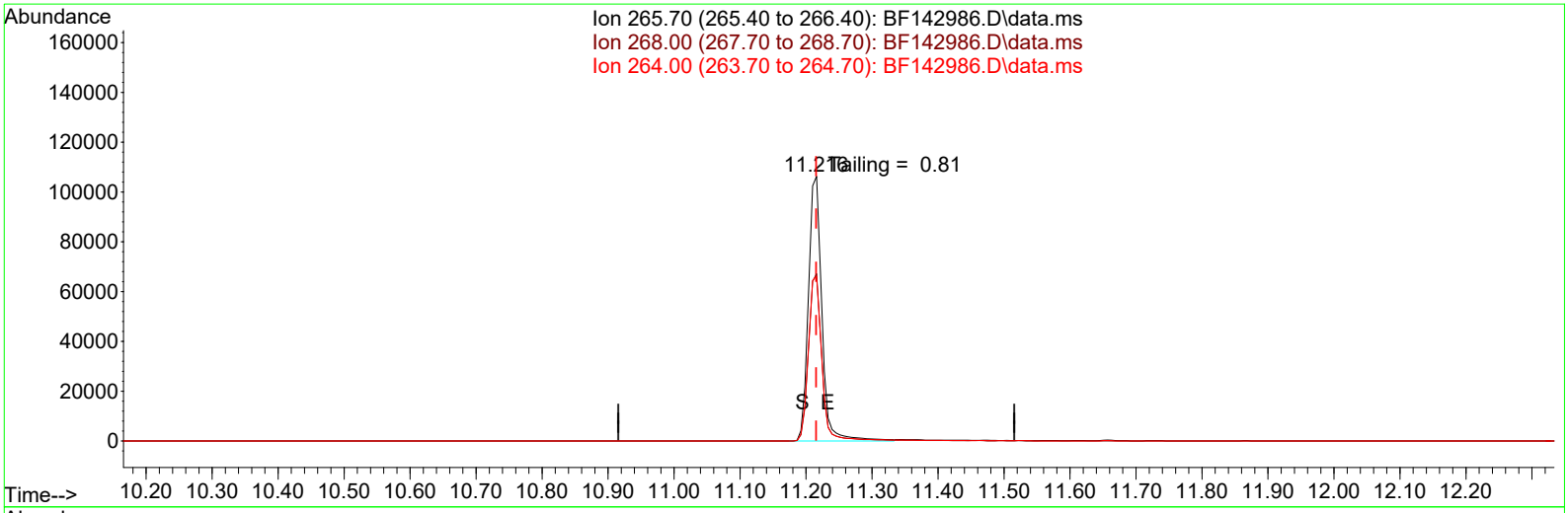
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.91
183.00	11.20	11.27
0.00	0.00	0.00

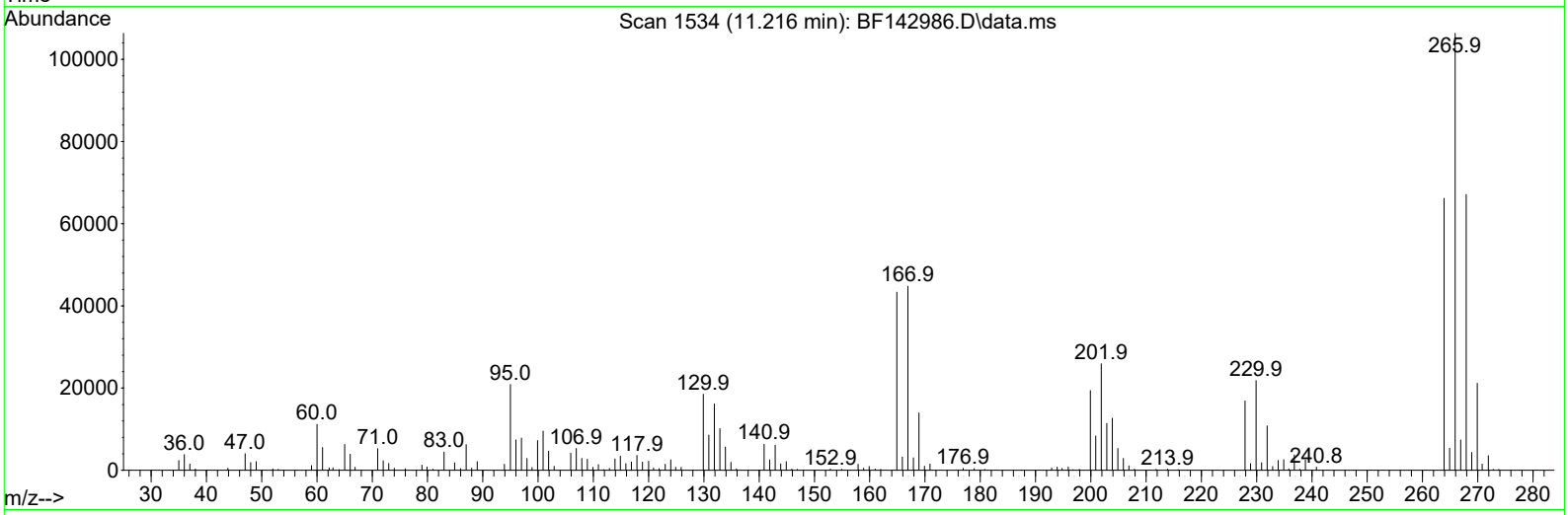
Sample Results: **BF142986.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142986.D
Acq On : 03 Jul 2025 09:25
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 03 11:16:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration





TIC: BF142986.D\data.ms

(70) Pentachlorophenol (C)

11.216min (+ 0.000) 44040.02 ng

response 150694

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.30	63.11
264.00	62.40	62.24
0.00	0.00	0.00

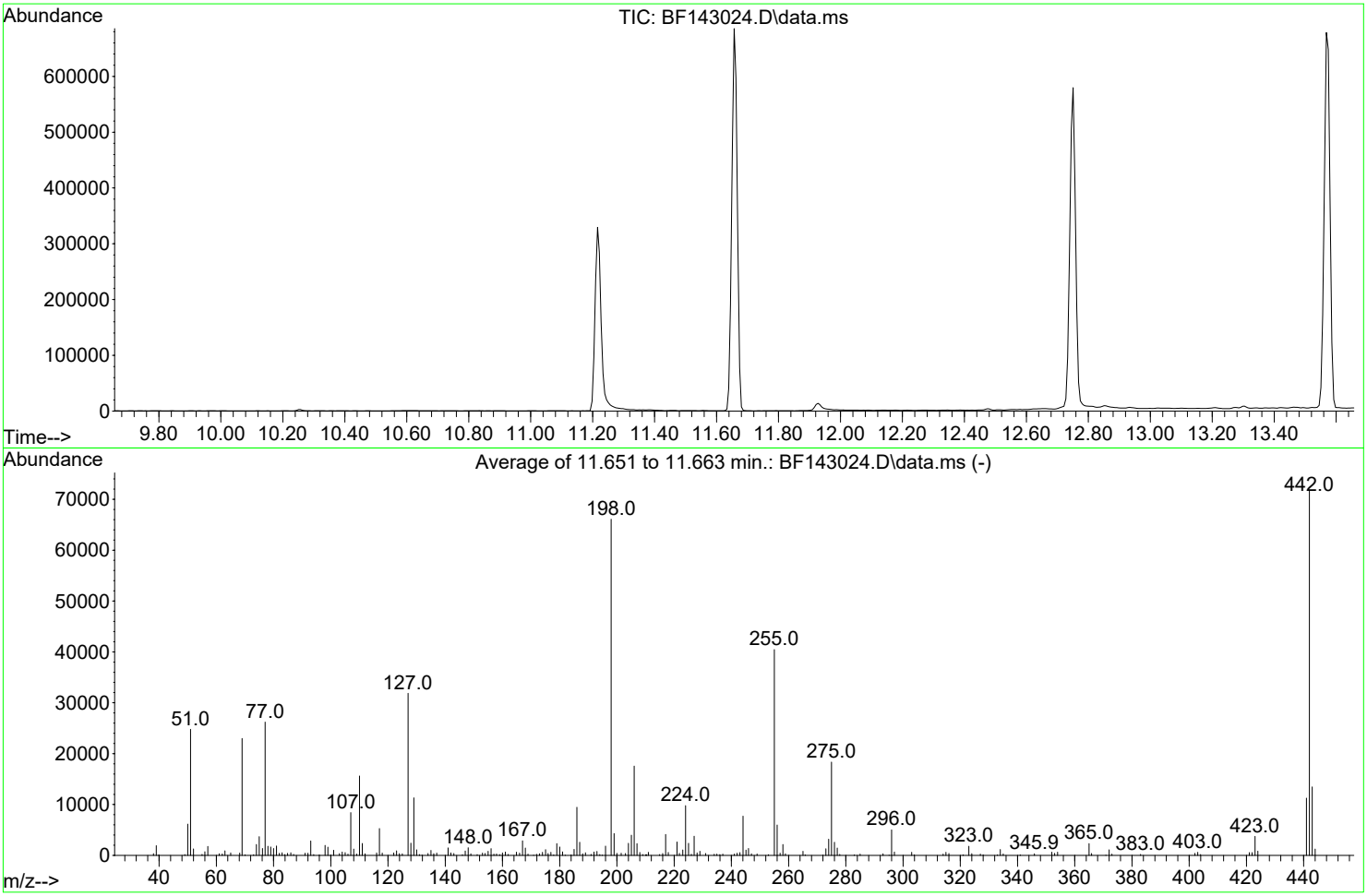
Sample Results: **BF143024.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143024.D
Acq On : 08 Jul 2025 10:24
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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jun 24 05:28:21 2025



AutoFind: Scans 1608, 1609, 1610; Background Corrected with Scan 1602

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	2.0	457	PASS
69	69	100	100	100.0	22973	PASS
70	69	0.00	2	0.5	123	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	66072	PASS
199	198	5	9	6.5	4287	PASS
365	198	1	100	3.5	2336	PASS
441	443	0.01	150	83.6	11262	PASS
442	442	100	100	100.0	71613	PASS
443	442	15	24	18.8	13467	PASS

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

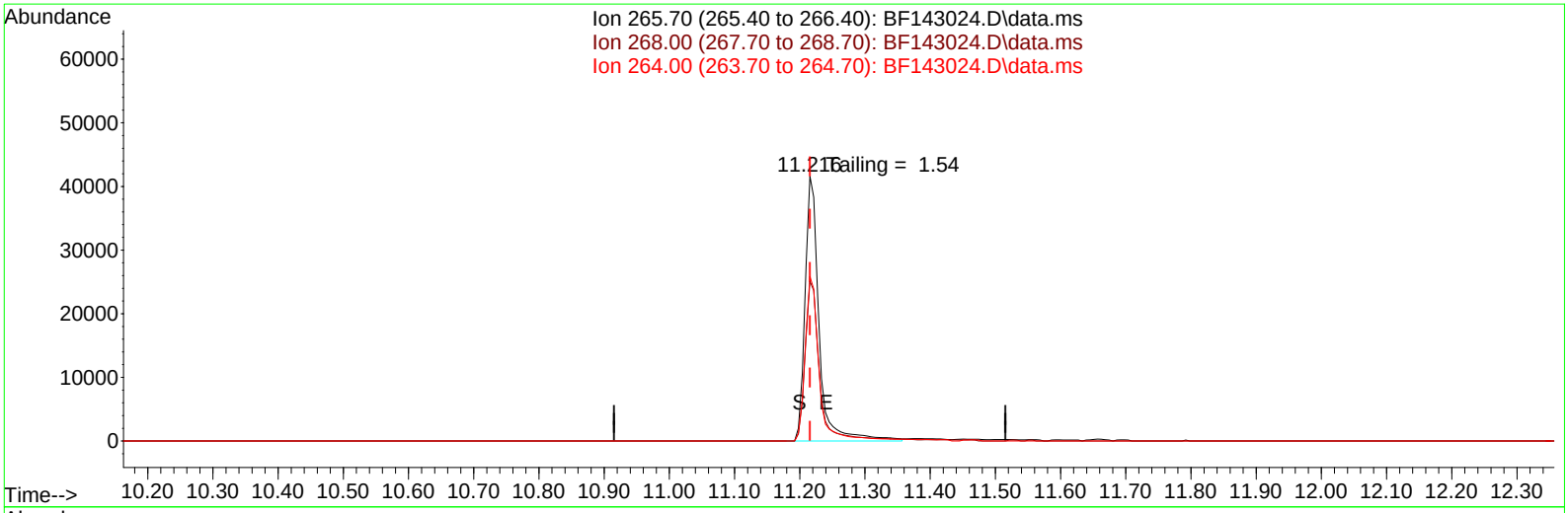
Date	Instrument Name	DFTPP Data File
7/8/2025	BNA_F	BF143024.D
Compound Name	**Response**	**Retention Time**
DDT	179865	13.568
DDD	3904	13.298
DDE	604	12.933
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
4508	184373	2.45

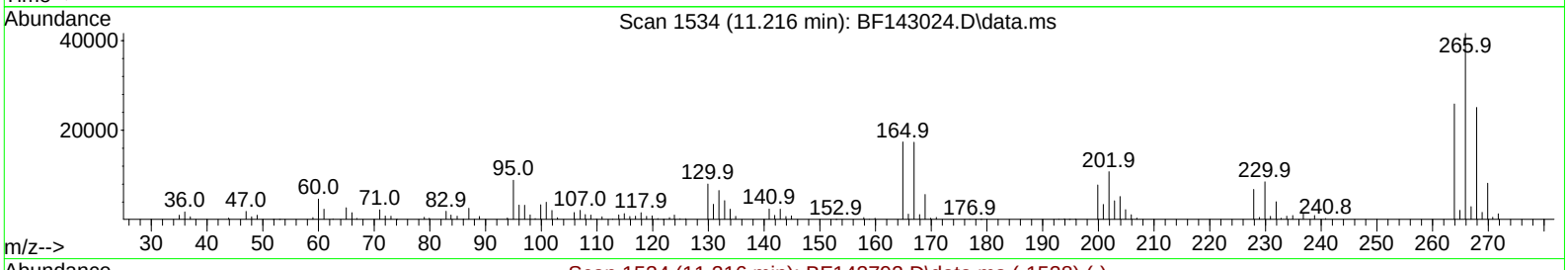
Sample Results: **BF143024.D**

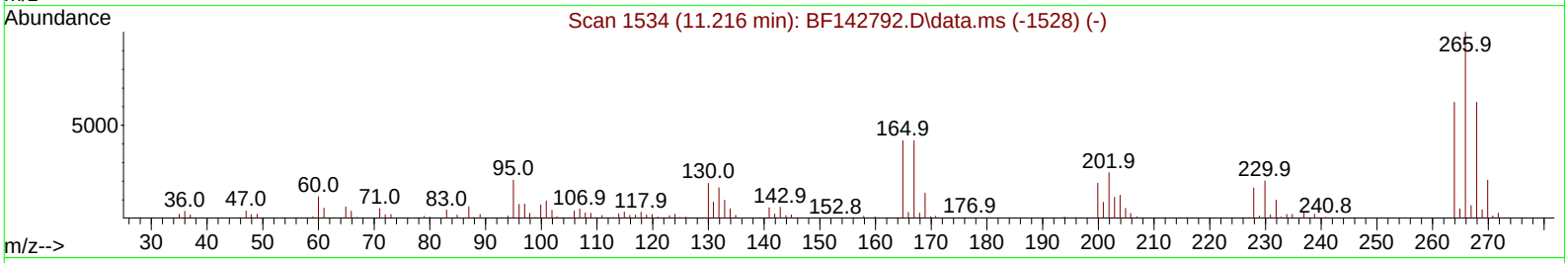
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143024.D
Acq On : 08 Jul 2025 10:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 08 11:36:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration







TIC: BF143024.D\data.ms

(70) Pentachlorophenol (C)

11.216min (+ 0.000) 28385.23 ng

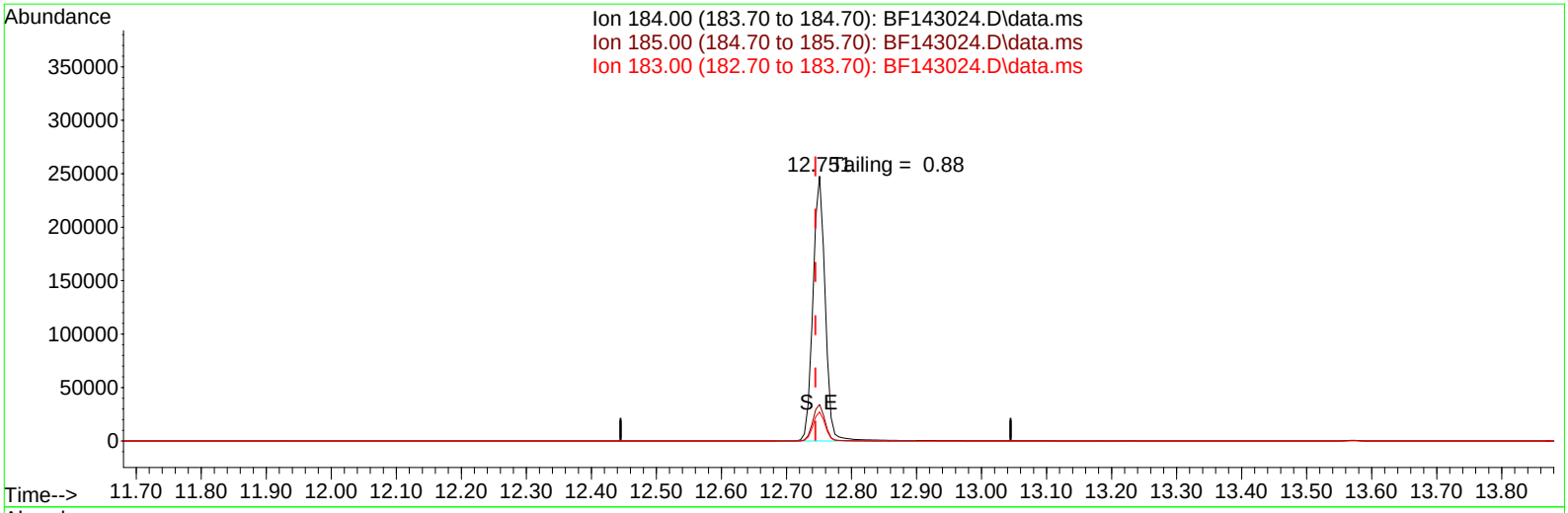
response 62605

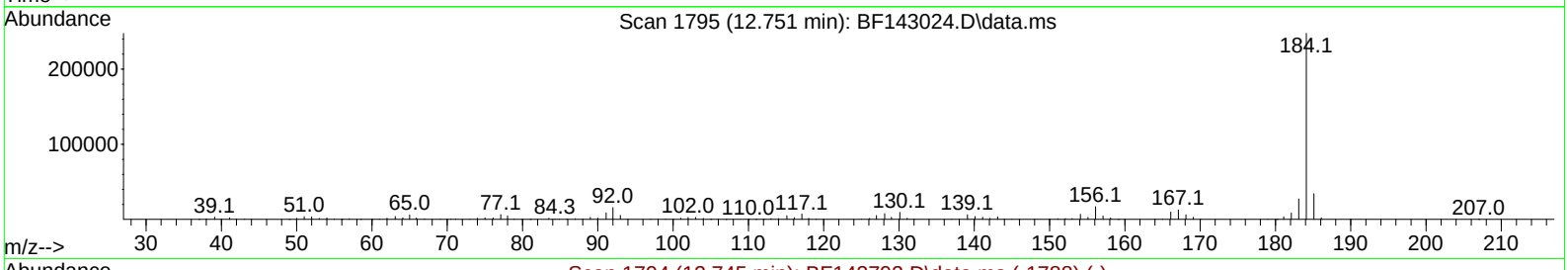
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.30	60.35
264.00	62.40	62.14
0.00	0.00	0.00

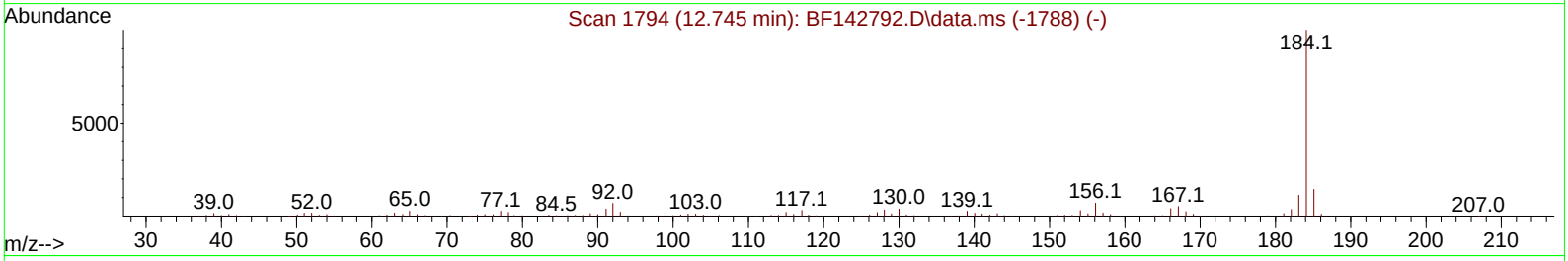
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143024.D
Acq On : 08 Jul 2025 10:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 08 11:36:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration







TIC: BF143024.D\data.ms

(77) Benzidine

12.751min (+ 0.006) 0.00 ng

response 326123

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.81
183.00	11.20	11.00
0.00	0.00	0.00

Raw Data: **BF142990.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168674BL	SDG No.:	Q2458
Lab Sample ID:	PB168674BL	Matrix:	SOIL
Analytical Method:	8270E	% 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
BF142990.D	1	07/01/25 09:30	07/03/25 11:25	PB168674

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	79.9	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	58.1	U	58.1	170	ug/Kg
105-67-9	2,4-Dimethylphenol	64.7	U	64.7	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	52.0	U	52.0	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: **BF142990.D**

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

Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	South River WM Replacement			Date Received:	
Client Sample ID:	PB168674BL			SDG No.:	Q2458
Lab Sample ID:	PB168674BL			Matrix:	SOIL
Analytical Method:	8270E			% 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
BF142990.D	1	07/01/25 09:30	07/03/25 11:25	PB168674

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	50.0	U	50.0	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	64.1	U	64.1	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	51.2	U	51.2	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	71.3	U	71.3	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	59.1	U	59.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	86.7	U	86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	19.0	U	19.0	170	ug/Kg

Raw Data: **BF142990.D**

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

Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	South River WM Replacement			Date Received:	
Client Sample ID:	PB168674BL			SDG No.:	Q2458
Lab Sample ID:	PB168674BL			Matrix:	SOIL
Analytical Method:	8270E			% 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
BF142990.D	1	07/01/25 09:30	07/03/25 11:25	PB168674

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	123		18 - 112	82%	SPK: 150
13127-88-3	Phenol-d6	122		15 - 107	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.3		18 - 107	75%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.1		20 - 109	76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	121		10 - 116	81%	SPK: 150
1718-51-0	Terphenyl-d14	75.1		10 - 105	75%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	69300	6.875			
1146-65-2	Naphthalene-d8	272000	8.157			
15067-26-2	Acenaphthene-d10	146000	9.916			
1517-22-2	Phenanthrene-d10	244000	11.404			
1719-03-5	Chrysene-d12	138000	14.051			
1520-96-3	Perylene-d12	149000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	300	A		5.10	ug/Kg

Raw Data: **BF142990.D**

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

Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	South River WM Replacement			Date Received:	
Client Sample ID:	PB168674BL			SDG No.:	Q2458
Lab Sample ID:	PB168674BL			Matrix:	SOIL
Analytical Method:	8270E			% 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
BF142990.D	1	07/01/25 09:30	07/03/25 11:25	PB168674

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\BF070325\
Data File : BF142990.D
Acq On : 03 Jul 2025 11:25
Operator : RC/JU
Sample : PB168674BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168674BL

Quant Time: Jul 03 11:43:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

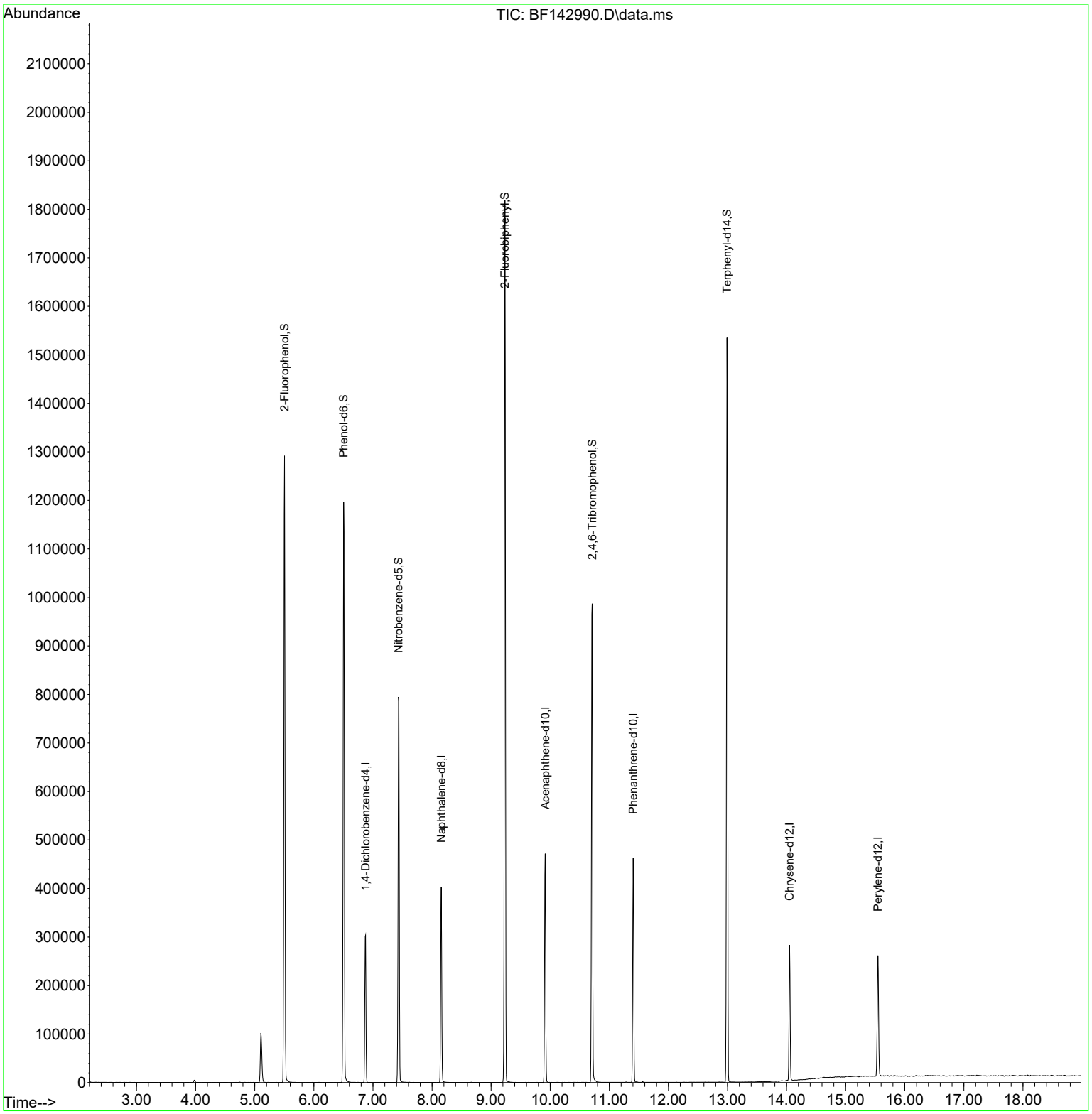
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	69300	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	271940	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	146089	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	243571	20.000	ng	0.00
76) Chrysene-d12	14.051	240	138339	20.000	ng	0.00
86) Perylene-d12	15.545	264	149416	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	509939	122.512	ng	0.01
7) Phenol-d6	6.504	99	599839	122.148	ng	0.00
23) Nitrobenzene-d5	7.434	82	373345	75.304	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	181580	120.783	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	845783	76.055	ng	-0.01
79) Terphenyl-d14	12.992	244	752266	75.135	ng	0.00
Target Compounds						Qvalue

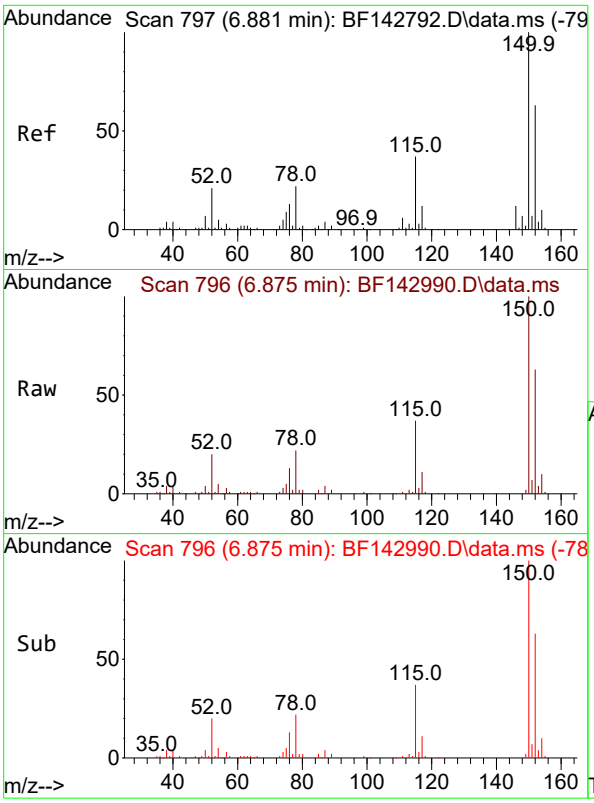
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142990.D
Acq On : 03 Jul 2025 11:25
Operator : RC/JU
Sample : PB168674BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168674BL

Quant Time: Jul 03 11:43:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



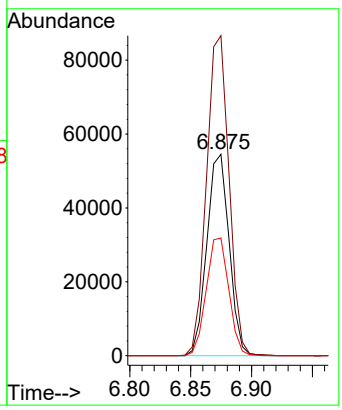


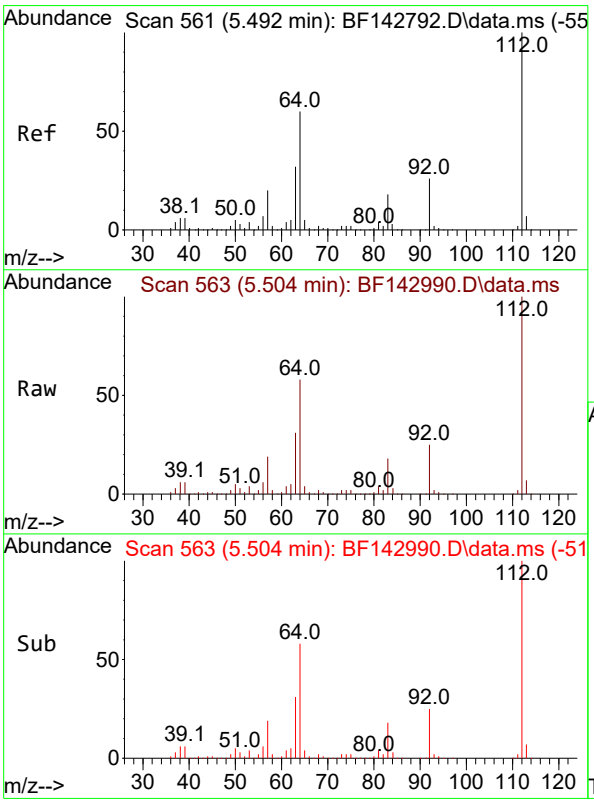
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142990.D
Acq: 03 Jul 2025 11:25

Instrument :
BNA_F
ClientSampleId :
PB168674BL

Tgt Ion:152 Resp: 69300

Ion	Ratio	Lower	Upper
152	100		
150	158.8	127.2	190.8
115	58.4	46.6	69.8

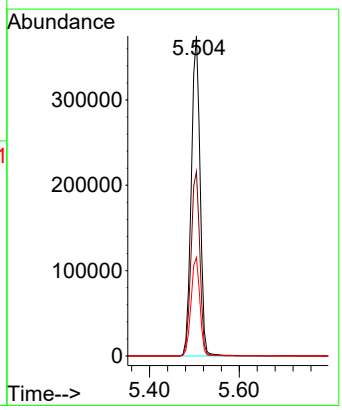


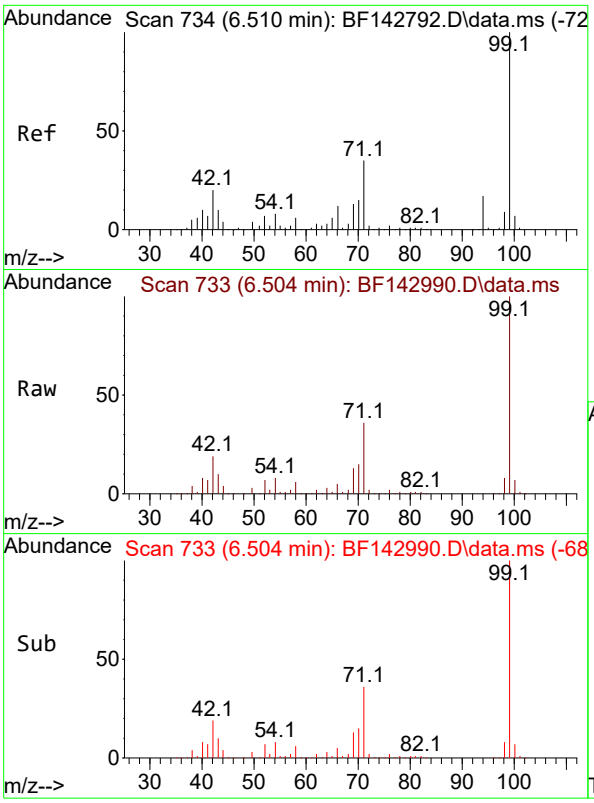


#5
2-Fluorophenol
Concen: 122.512 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF142990.D
Acq: 03 Jul 2025 11:25

Tgt Ion:112 Resp: 509939

Ion	Ratio	Lower	Upper
112	100		
64	57.7	48.2	72.2
63	30.8	25.7	38.5



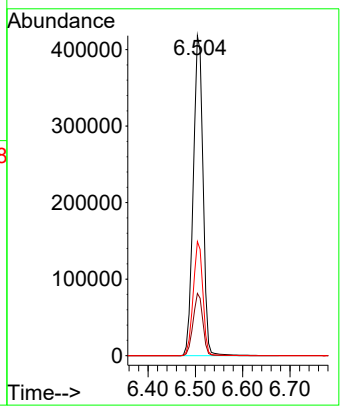


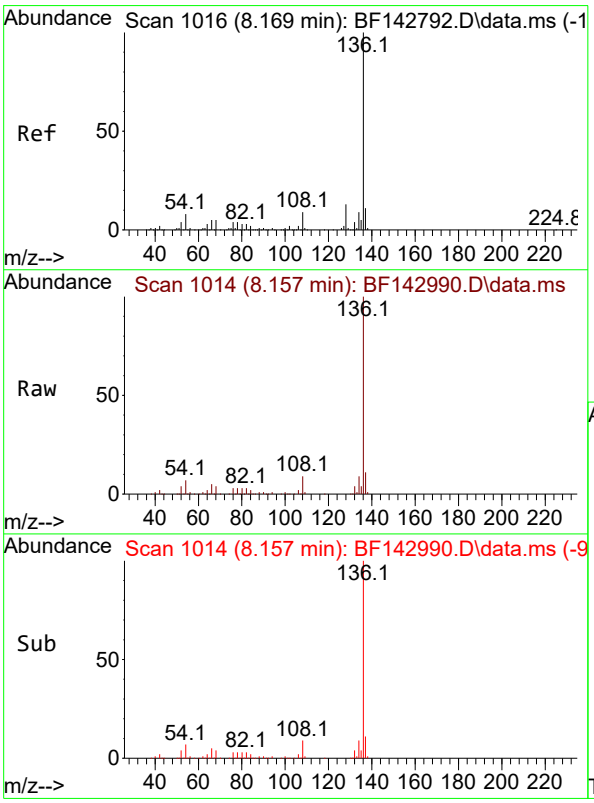
#7
Phenol-d6
Concen: 122.148 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142990.D
Acq: 03 Jul 2025 11:25

Instrument :
BNA_F
ClientSampleId :
PB168674BL

Tgt Ion: 99 Resp: 599839

Ion	Ratio	Lower	Upper
99	100		
42	19.5	15.9	23.9
71	35.7	27.8	41.8

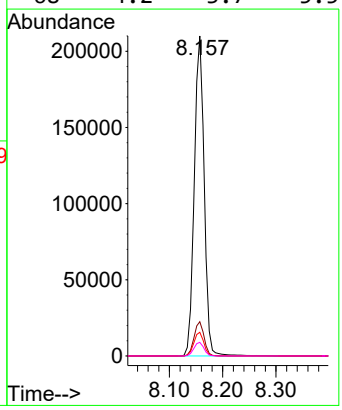


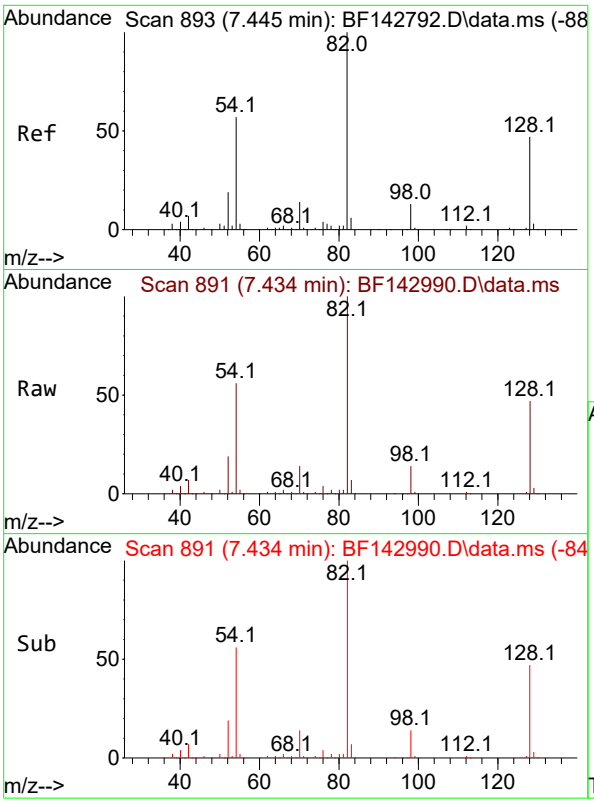


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142990.D
Acq: 03 Jul 2025 11:25

Tgt Ion:136 Resp: 271940

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.4	6.3	9.5
68	4.2	3.7	5.5



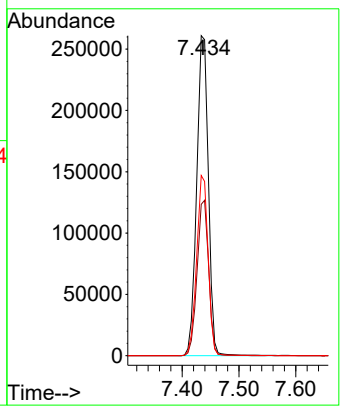


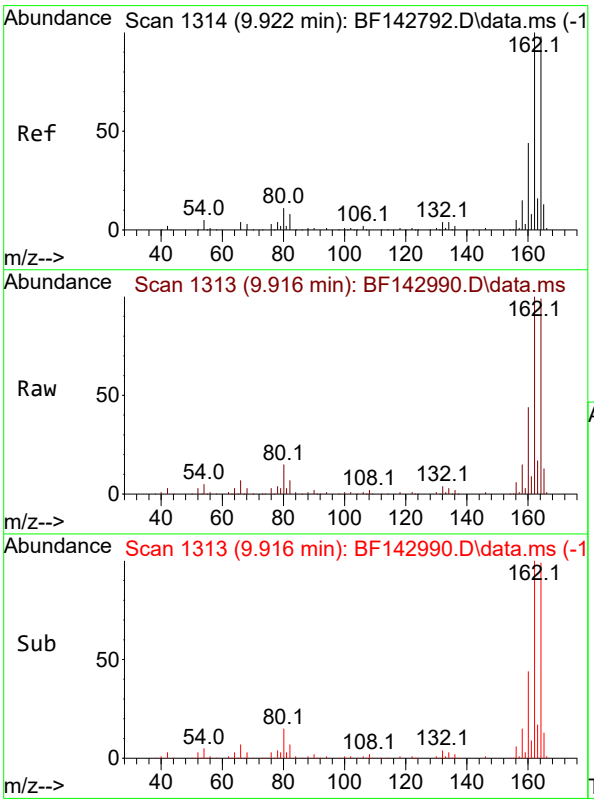
#23
Nitrobenzene-d5
Concen: 75.304 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF142990.D
Acq: 03 Jul 2025 11:25

Instrument :
BNA_F
ClientSampleId :
PB168674BL

Tgt Ion: 82 Resp: 373345

Ion	Ratio	Lower	Upper
82	100		
128	47.3	37.7	56.5
54	56.3	45.7	68.5

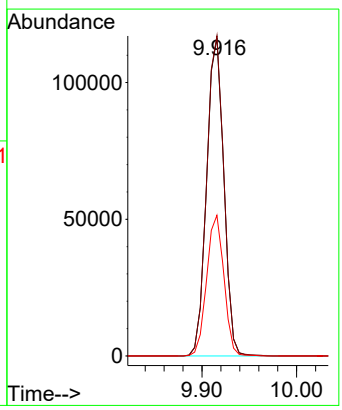


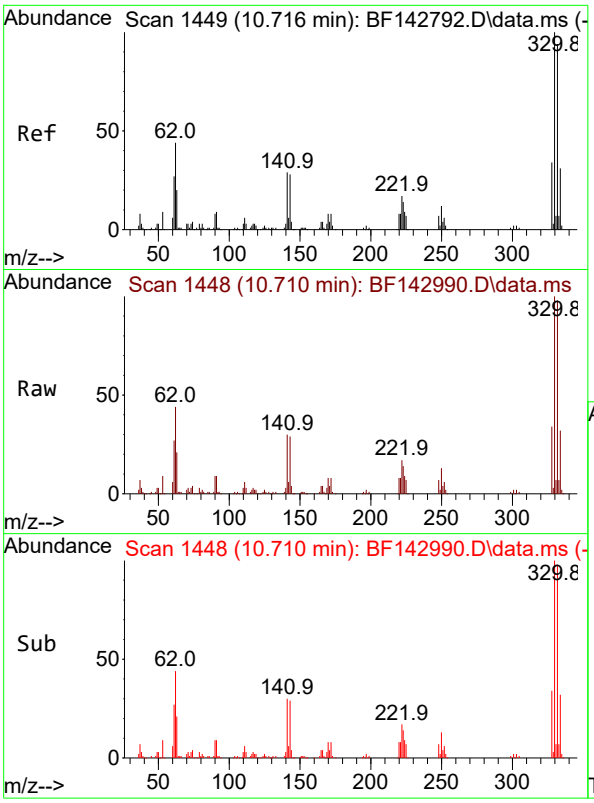


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142990.D
Acq: 03 Jul 2025 11:25

Tgt Ion:164 Resp: 146089

Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.8	122.8
160	44.2	36.0	54.0



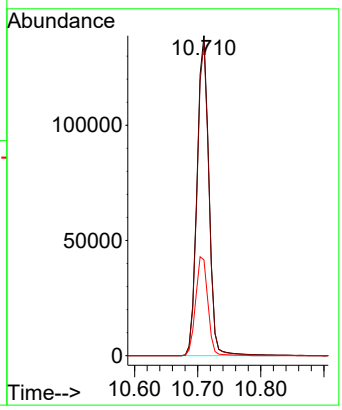


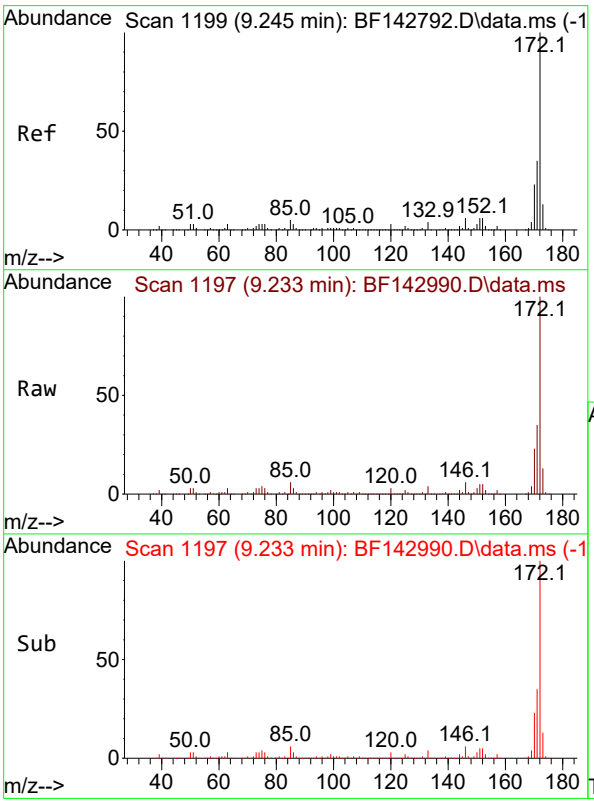
#42
2,4,6-Tribromophenol
Concen: 120.783 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142990.D
Acq: 03 Jul 2025 11:25

Instrument :
BNA_F
ClientSampleId :
PB168674BL

Tgt Ion:330 Resp: 181580

Ion	Ratio	Lower	Upper
330	100		
332	97.4	75.0	112.6
141	31.8	25.3	37.9

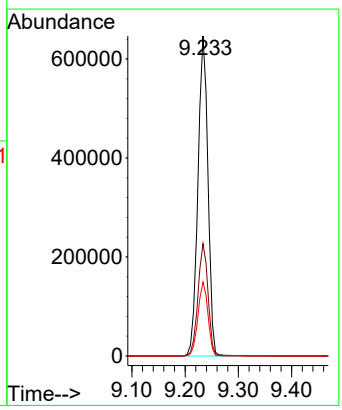


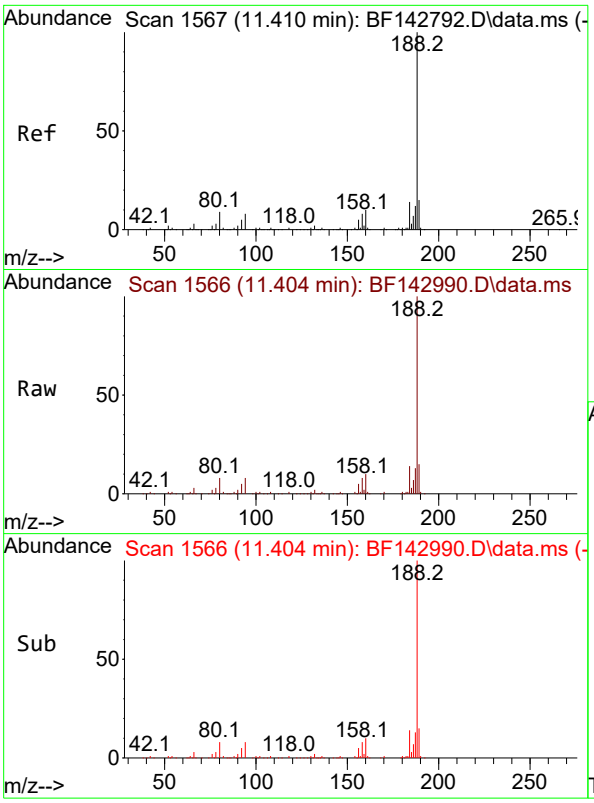


#45
2-Fluorobiphenyl
Concen: 76.055 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142990.D
Acq: 03 Jul 2025 11:25

Tgt Ion:172 Resp: 845783

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.4
170	23.1	18.5	27.7



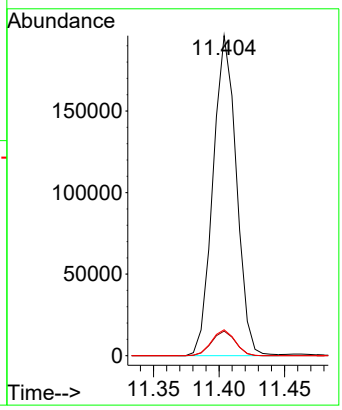


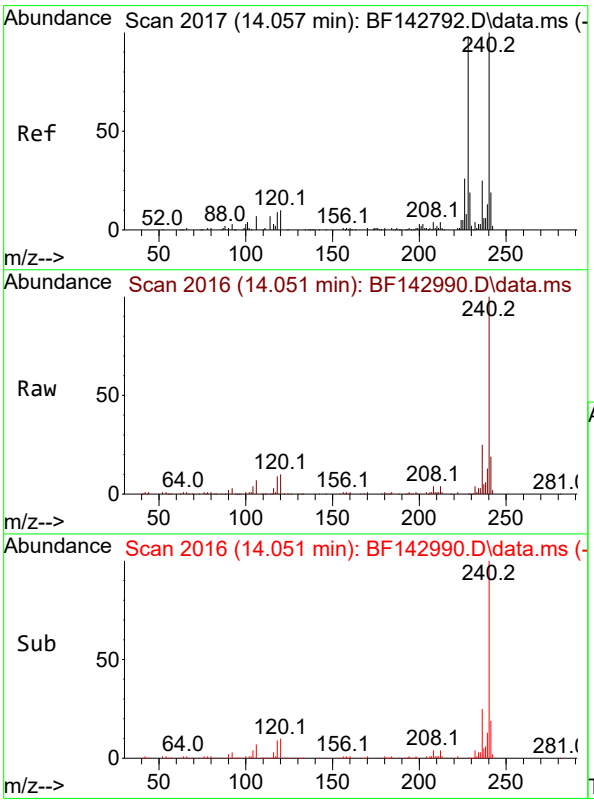
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142990.D
Acq: 03 Jul 2025 11:25

Instrument :
BNA_F
ClientSampleId :
PB168674BL

Tgt Ion:188 Resp: 243571

Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.7	10.1
80	8.1	6.9	10.3

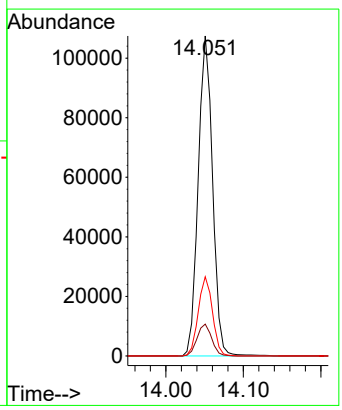


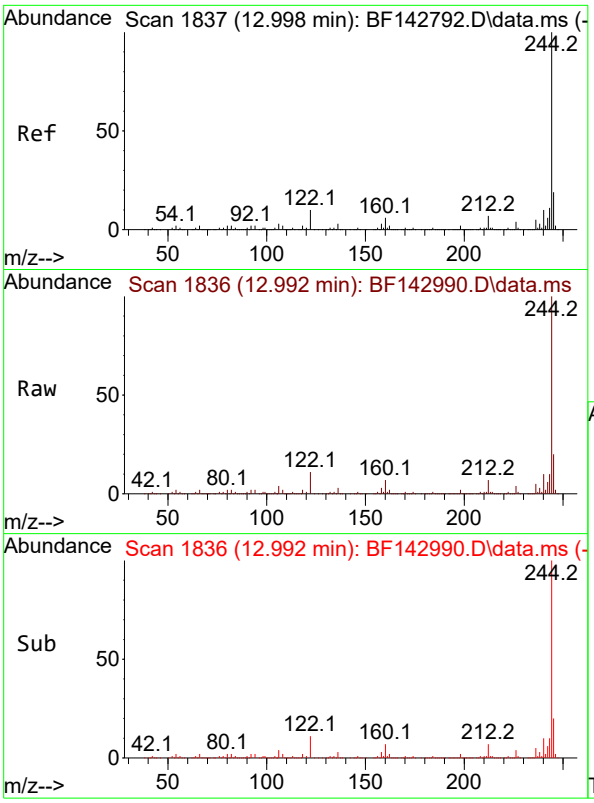


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142990.D
Acq: 03 Jul 2025 11:25

Tgt Ion:240 Resp: 138339

Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.2	12.2
236	24.8	19.8	29.8



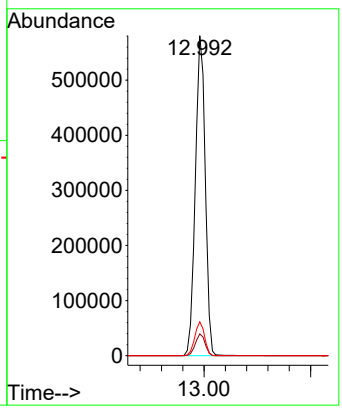


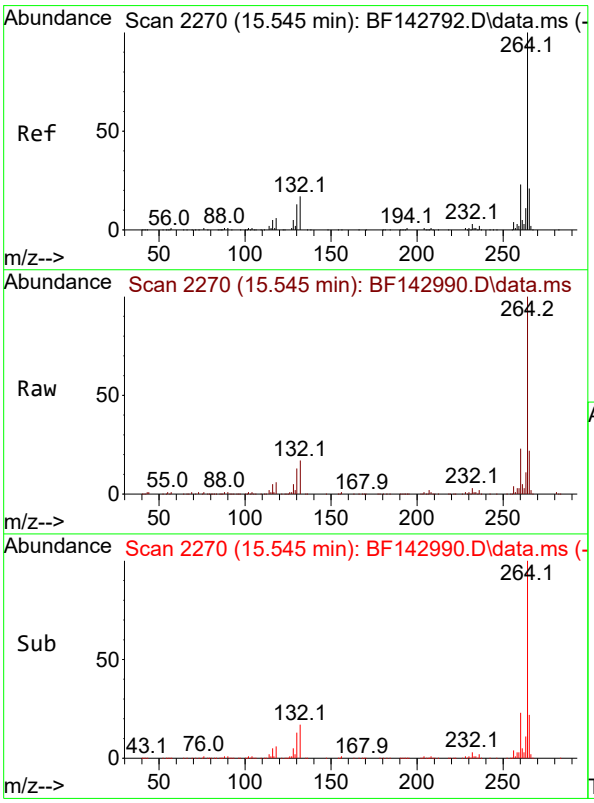
#79
Terphenyl-d14
Concen: 75.135 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142990.D
Acq: 03 Jul 2025 11:25

Instrument :
BNA_F
ClientSampleId :
PB168674BL

Tgt Ion:244 Resp: 752266

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	10.6	8.2	12.2

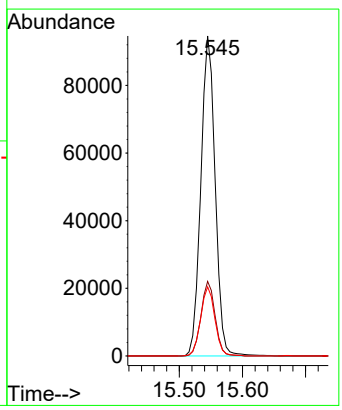




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142990.D
Acq: 03 Jul 2025 11:25

Tgt Ion:264 Resp: 149416

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.1	27.1
265	21.6	16.6	25.0



Sample Results: **BF142990.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142990.D
Acq On : 03 Jul 2025 11:25
Operator : RC/JU
Sample : PB168674BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168674BL

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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142990.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.104	488	495	506	rBV	102217	176218	7.49%	1.333%
2	5.504	557	563	568	rBV	1291461	1743109	74.08%	13.183%
3	6.504	727	733	756	rBV	1196400	1715650	72.91%	12.975%
4	6.875	791	796	801	rBV	303605	390019	16.57%	2.950%
5	7.434	885	891	897	rBV	794743	1127879	47.93%	8.530%
6	8.157	1008	1014	1031	rBV	403176	518439	22.03%	3.921%
7	9.233	1190	1197	1202	rBV	1818949	2353072	100.00%	17.796%
8	9.916	1307	1313	1318	rBV	471460	591361	25.13%	4.472%
9	10.710	1442	1448	1468	rBV	986676	1330939	56.56%	10.066%
10	11.404	1561	1566	1573	rBV	461736	570176	24.23%	4.312%
11	12.992	1830	1836	1841	rBV	1534430	1964069	83.47%	14.854%
12	14.051	2011	2016	2026	rVB	279104	354884	15.08%	2.684%
13	15.545	2264	2270	2280	rBV	248684	386452	16.42%	2.923%

Sum of corrected areas: 13222267

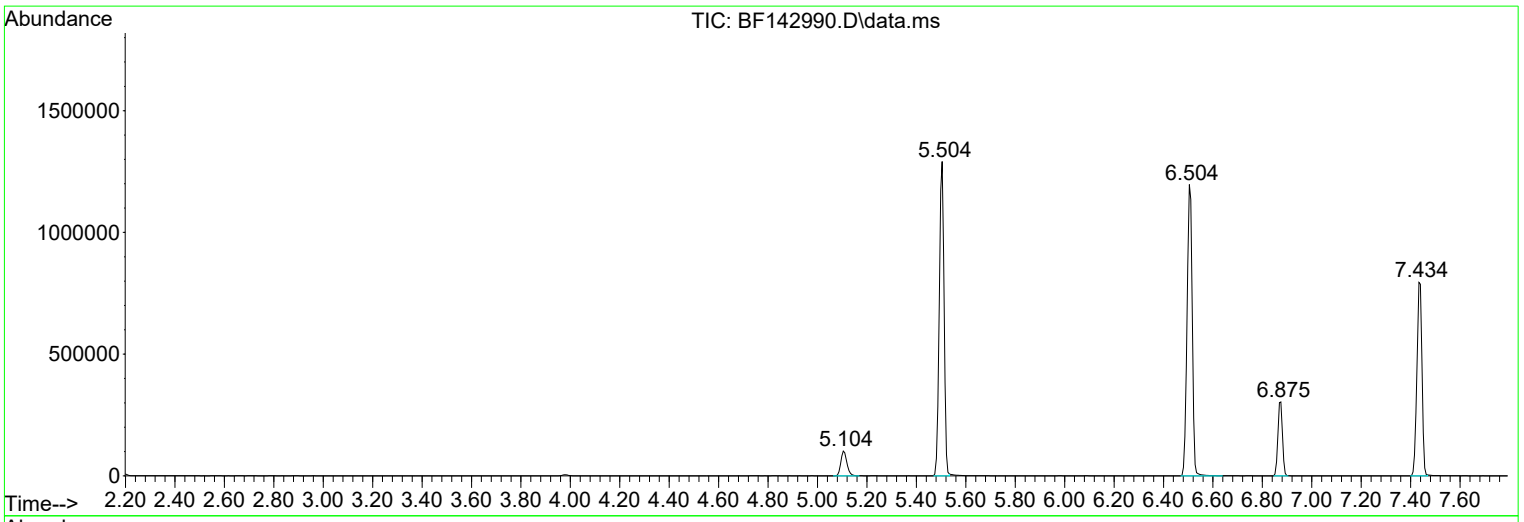
Sample Results: **BF142990.D**

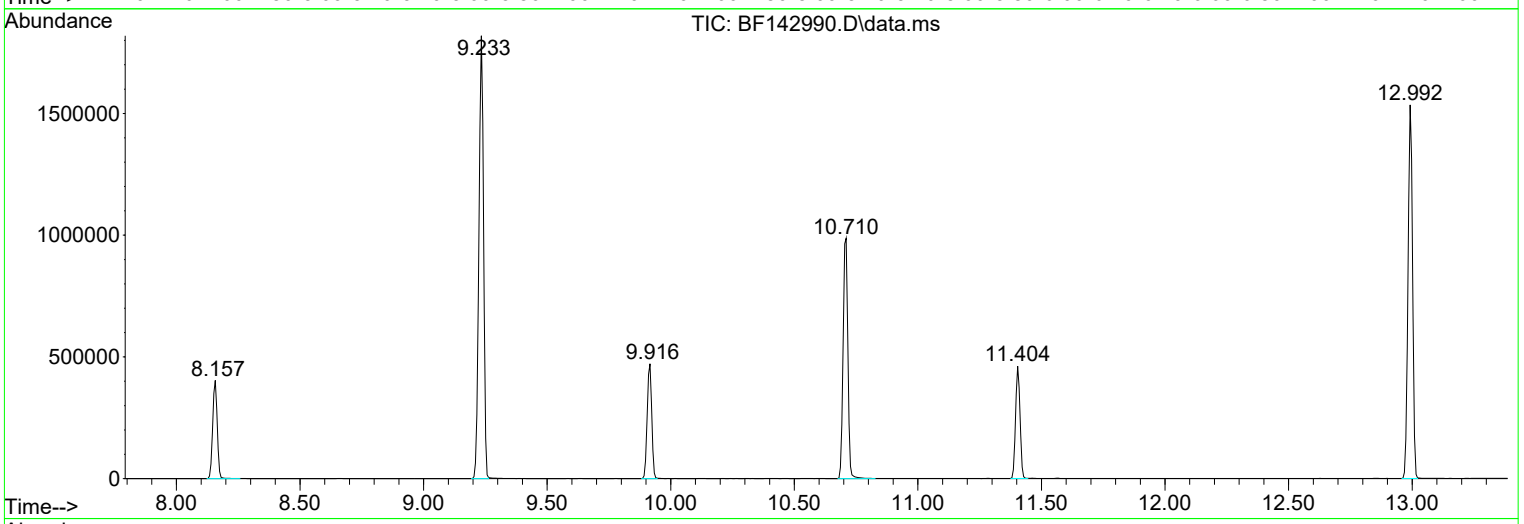
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142990.D
Acq On : 03 Jul 2025 11:25
Operator : RC/JU
Sample : PB168674BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

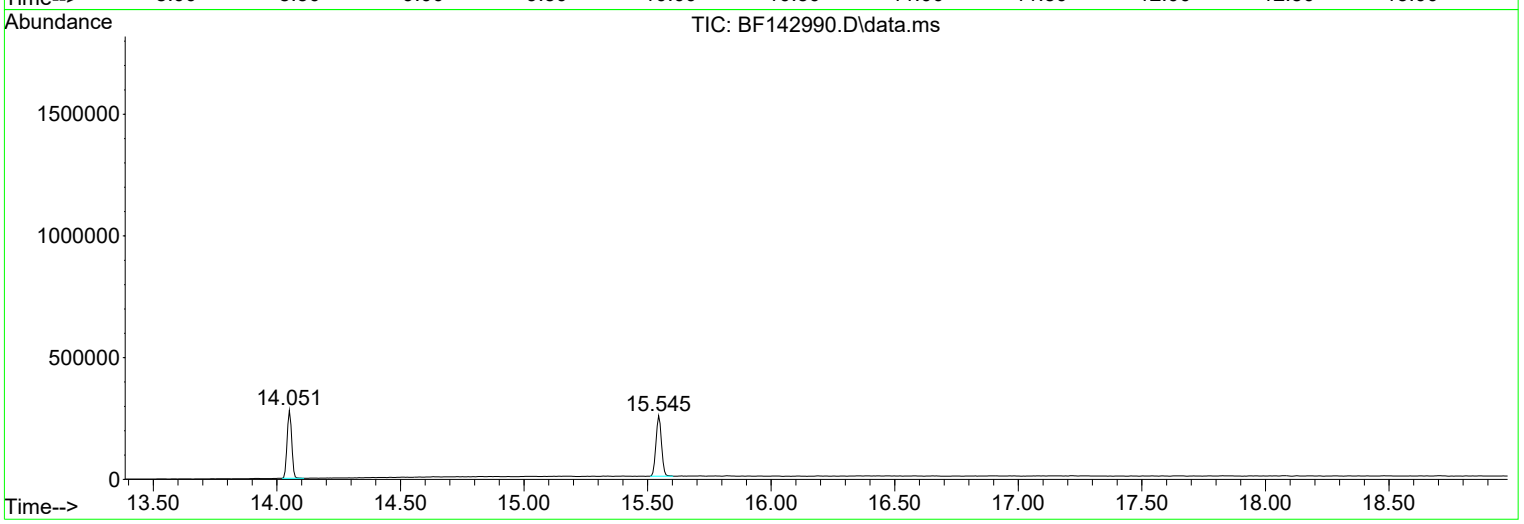
Instrument :
BNA_F
ClientSampleId :
PB168674BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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\BF070325\
Data File : BF142990.D
Acq On : 03 Jul 2025 11:25
Operator : RC/JU
Sample : PB168674BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168674BL

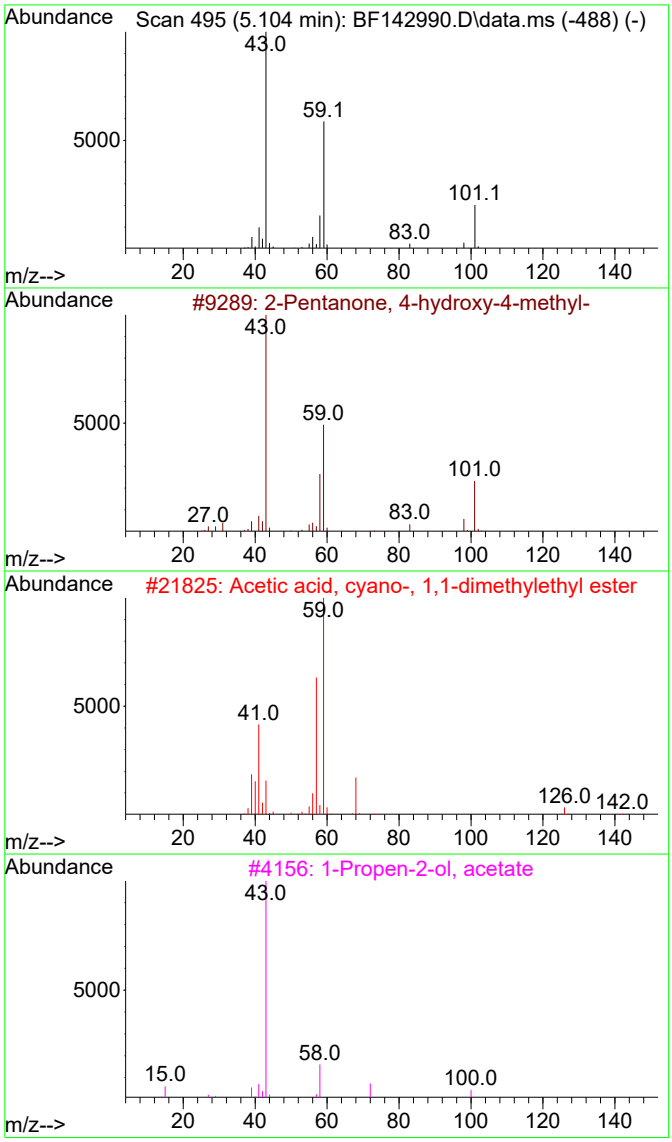
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

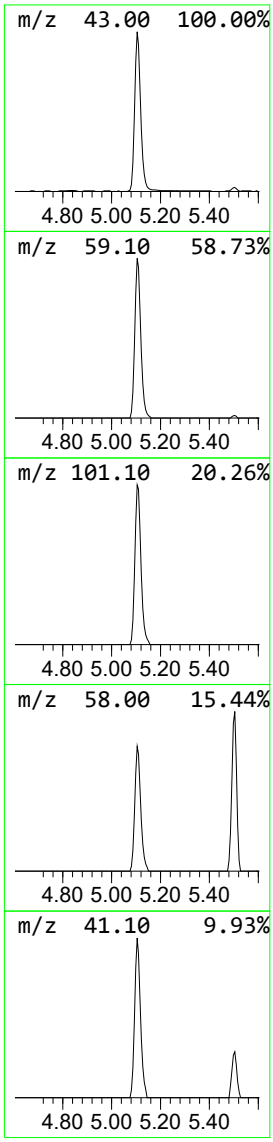
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.104	9.04 ng	176218	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142990.D
Acq On : 03 Jul 2025 11:25
Operator : RC/JU
Sample : PB168674BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168674BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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-...	5.104	9.0	ng	176218	1	6.875	390019	20.0

Raw Data: **BF143026.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168716BL	SDG No.:	Q2458
Lab Sample ID:	PB168716BL	Matrix:	Water
Analytical Method:	8270E	% 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143026.D	1	07/03/25 08:56	07/08/25 11:24	PB168716

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: **BF143026.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168716BL	SDG No.:	Q2458
Lab Sample ID:	PB168716BL	Matrix:	Water
Analytical Method:	8270E	% 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143026.D	1	07/03/25 08:56	07/08/25 11:24	PB168716

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: **BF143026.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168716BL	SDG No.:	Q2458
Lab Sample ID:	PB168716BL	Matrix:	Water
Analytical Method:	8270E	% 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143026.D	1	07/03/25 08:56	07/08/25 11:24	PB168716

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	129		23 - 138	86%	SPK: 150
13127-88-3	Phenol-d6	129		10 - 134	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.8		67 - 132	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.6		52 - 132	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	136		44 - 137	91%	SPK: 150
1718-51-0	Terphenyl-d14	88.2		42 - 152	88%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	62900	6.875			
1146-65-2	Naphthalene-d8	246000	8.157			
15067-26-2	Acenaphthene-d10	135000	9.916			
1517-22-2	Phenanthrene-d10	248000	11.41			
1719-03-5	Chrysene-d12	134000	14.057			
1520-96-3	Perylene-d12	120000	15.556			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	9.40	A		5.10	ug/L
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	15.9	J		17.3	ug/L

Raw Data: **BF143026.D**

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

Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	South River WM Replacement			Date Received:	
Client Sample ID:	PB168716BL			SDG No.:	Q2458
Lab Sample ID:	PB168716BL			Matrix:	Water
Analytical Method:	8270E			% 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 :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143026.D	1	07/03/25 08:56	07/08/25 11:24	PB168716

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\BF070825\
Data File : BF143026.D
Acq On : 08 Jul 2025 11:24
Operator : RC/JU
Sample : PB168716BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168716BL

Quant Time: Jul 08 11:46:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

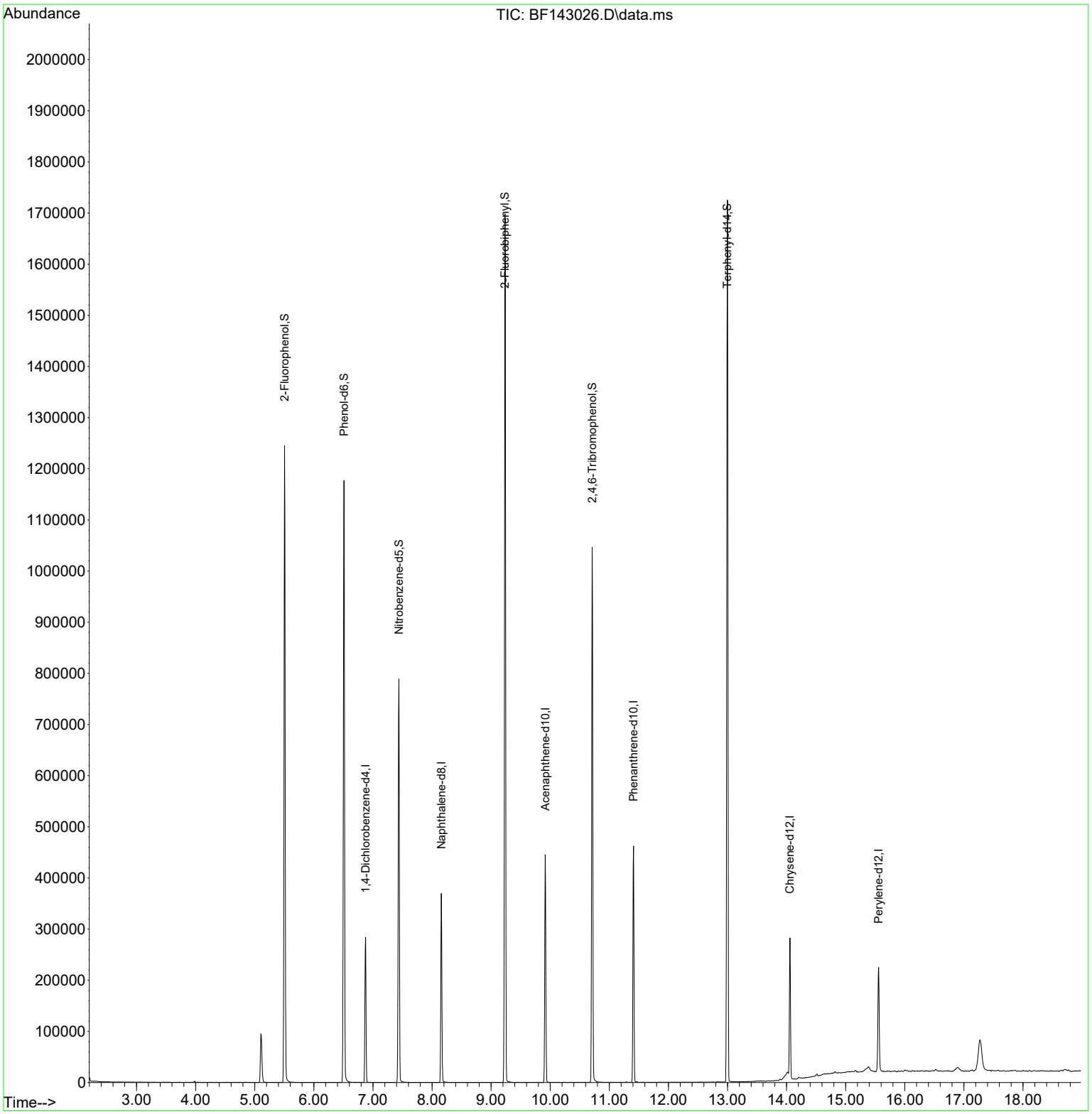
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	62899	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	246391	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	135369	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	247916	20.000	ng	0.00
76) Chrysene-d12	14.057	240	134036	20.000	ng	0.00
86) Perylene-d12	15.556	264	119715	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	485787	128.587	ng	0.01
7) Phenol-d6	6.510	99	576634	129.372	ng	0.00
23) Nitrobenzene-d5	7.439	82	358579	79.826	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	189880	136.306	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	810317	78.636	ng	-0.01
79) Terphenyl-d14	12.998	244	855453	88.184	ng	0.00
Target Compounds						Qvalue

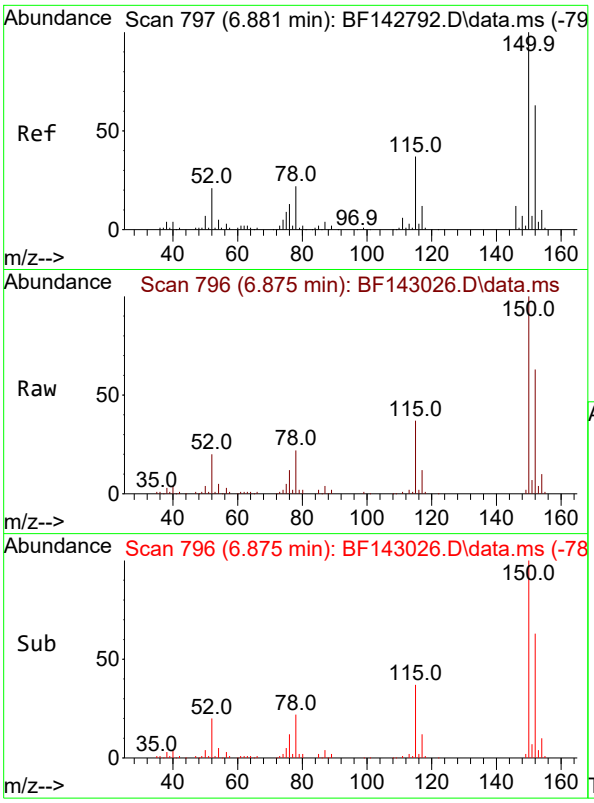
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143026.D
Acq On : 08 Jul 2025 11:24
Operator : RC/JU
Sample : PB168716BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168716BL

Quant Time: Jul 08 11:46:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



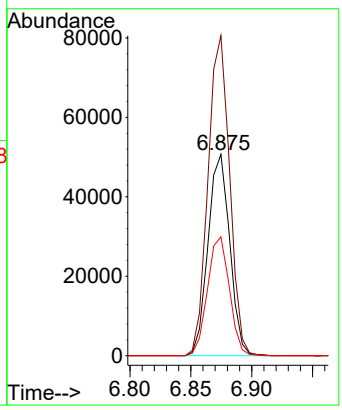


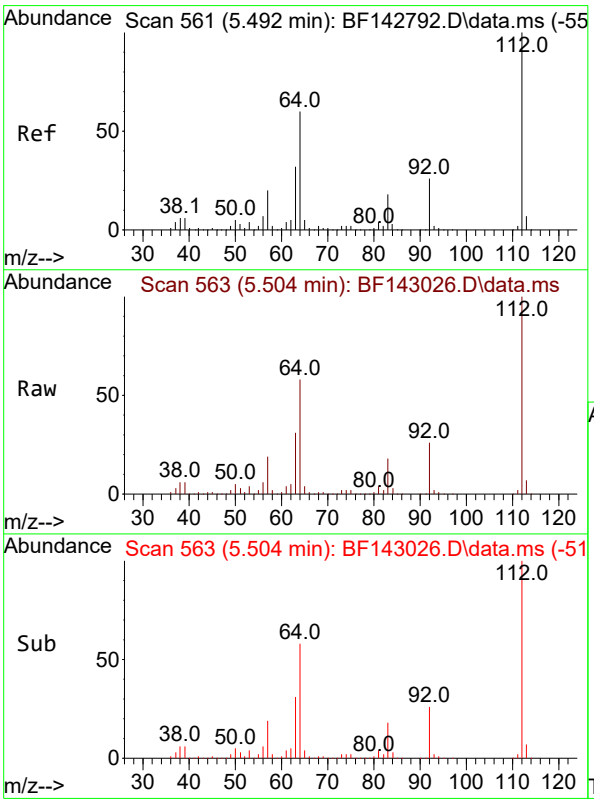
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143026.D
Acq: 08 Jul 2025 11:24

Instrument :
BNA_F
ClientSampleId :
PB168716BL

Tgt Ion:152 Resp: 62899

Ion	Ratio	Lower	Upper
152	100		
150	159.0	127.2	190.8
115	59.1	46.6	69.8

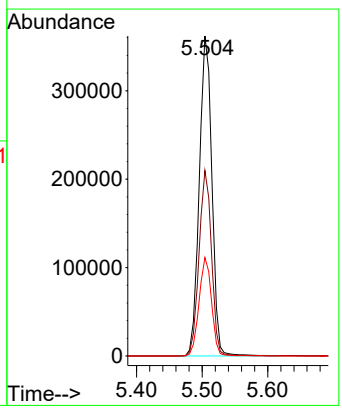


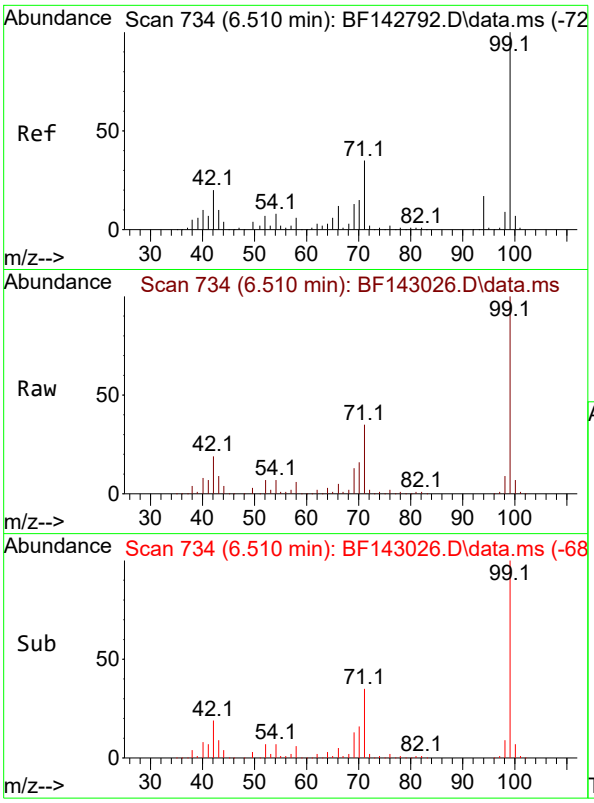


#5
2-Fluorophenol
Concen: 128.587 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF143026.D
Acq: 08 Jul 2025 11:24

Tgt Ion:112 Resp: 485787

Ion	Ratio	Lower	Upper
112	100		
64	57.9	48.2	72.2
63	30.8	25.7	38.5



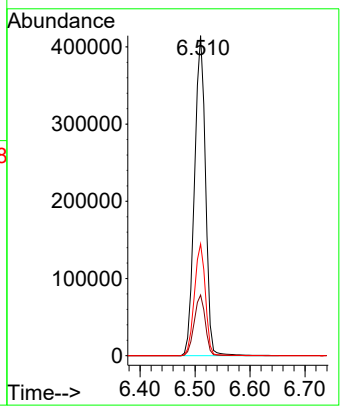


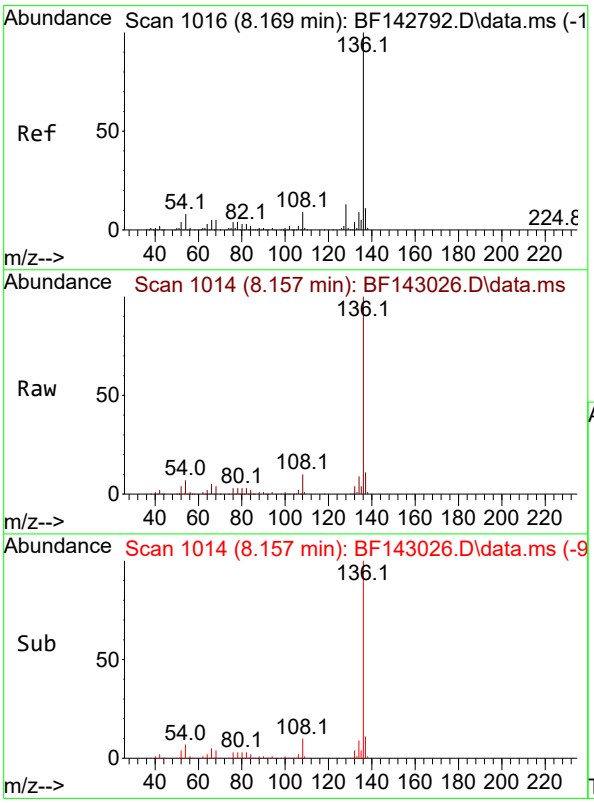
#7
Phenol-d6
Concen: 129.372 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143026.D
Acq: 08 Jul 2025 11:24

Instrument :
BNA_F
ClientSampleId :
PB168716BL

Tgt Ion: 99 Resp: 576634

Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.9	23.9
71	34.9	27.8	41.8

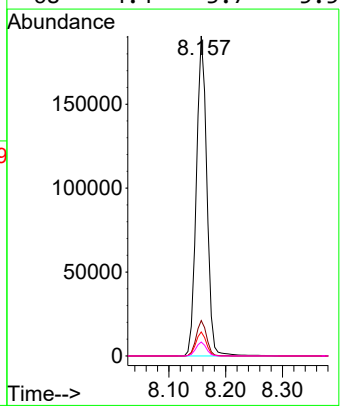


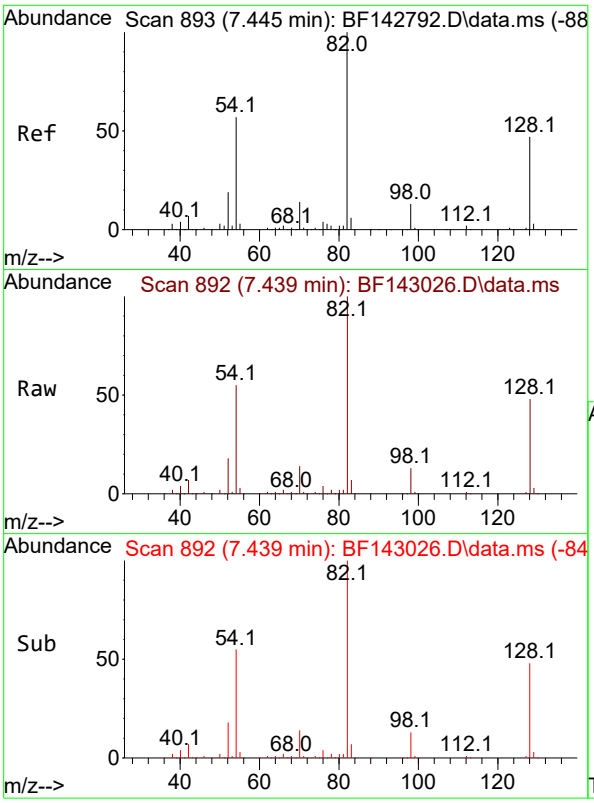


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143026.D
Acq: 08 Jul 2025 11:24

Tgt Ion:136 Resp: 246391

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	7.5	6.3	9.5
68	4.4	3.7	5.5



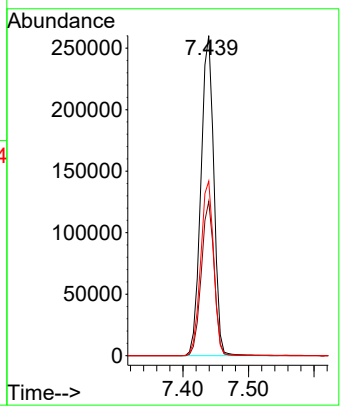


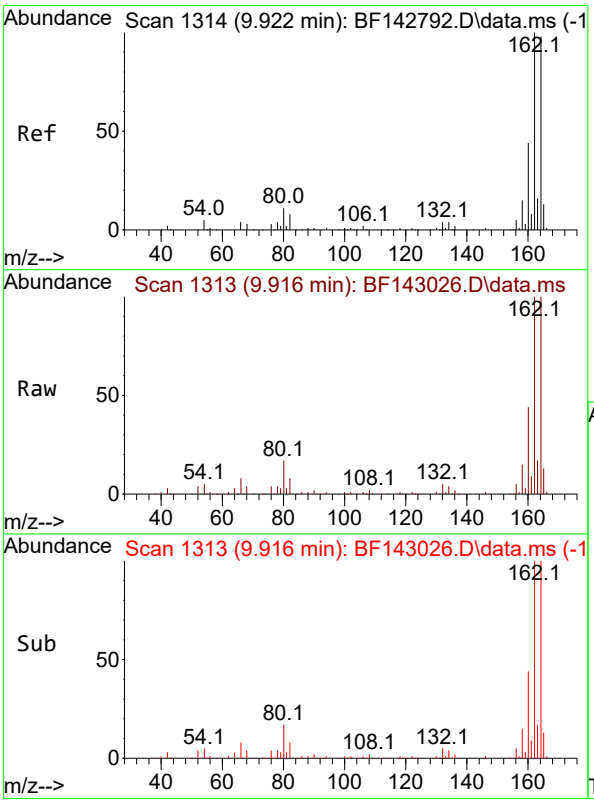
#23
Nitrobenzene-d5
Concen: 79.826 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143026.D
Acq: 08 Jul 2025 11:24

Instrument :
BNA_F
ClientSampleId :
PB168716BL

Tgt Ion: 82 Resp: 358579

Ion	Ratio	Lower	Upper
82	100		
128	48.2	37.7	56.5
54	54.5	45.7	68.5

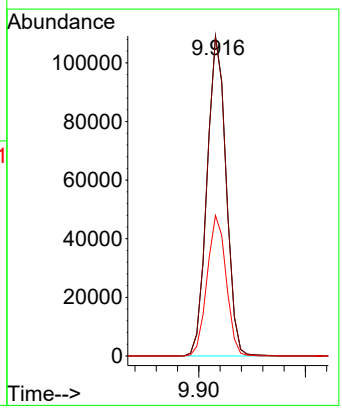


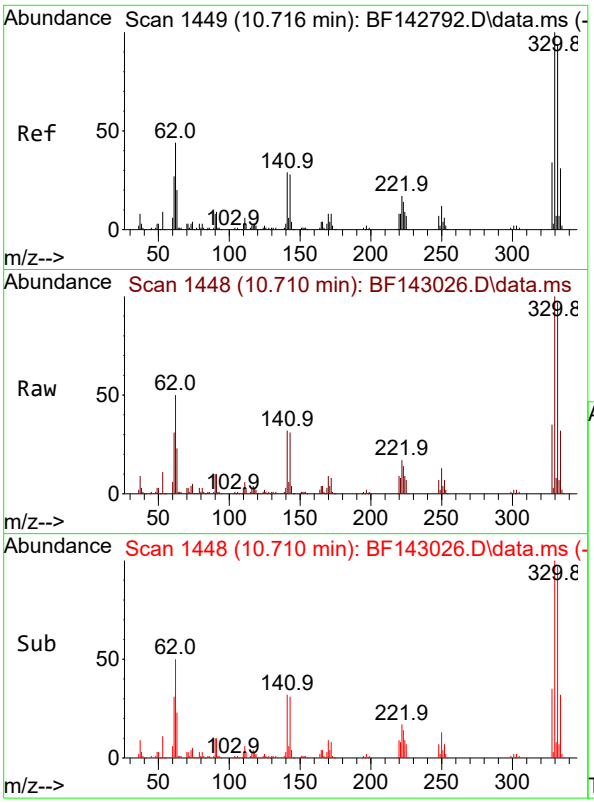


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF143026.D
Acq: 08 Jul 2025 11:24

Tgt Ion:164 Resp: 135369

Ion	Ratio	Lower	Upper
164	100		
162	99.7	81.8	122.8
160	43.9	36.0	54.0



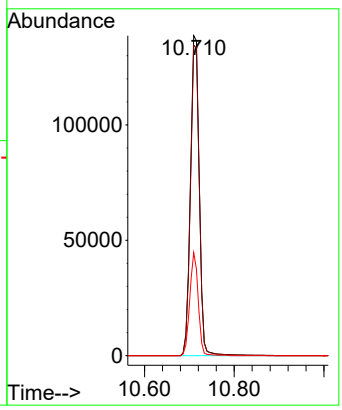


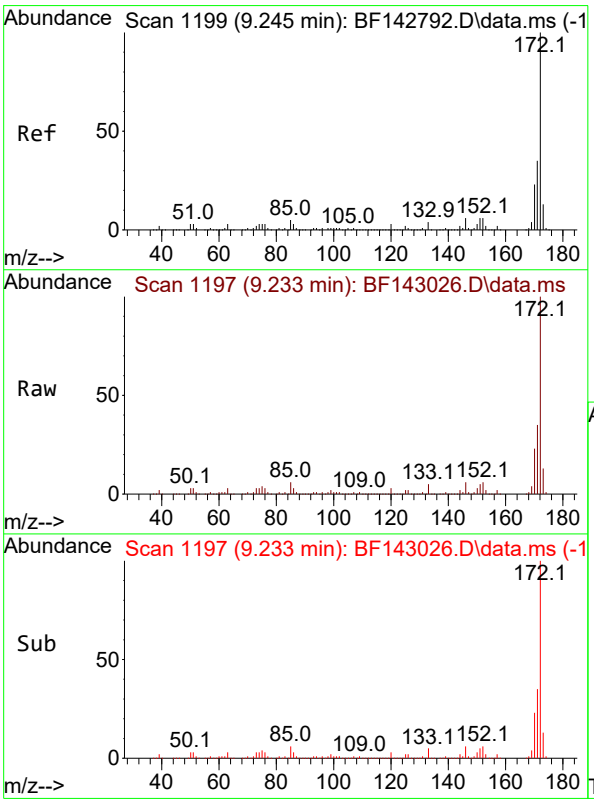
#42
2,4,6-Tribromophenol
Concen: 136.306 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143026.D
Acq: 08 Jul 2025 11:24

Instrument :
BNA_F
ClientSampleId :
PB168716BL

Tgt Ion:330 Resp: 189880

Ion	Ratio	Lower	Upper
330	100		
332	96.8	75.0	112.6
141	30.7	25.3	37.9

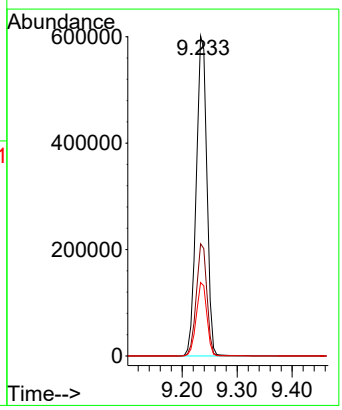


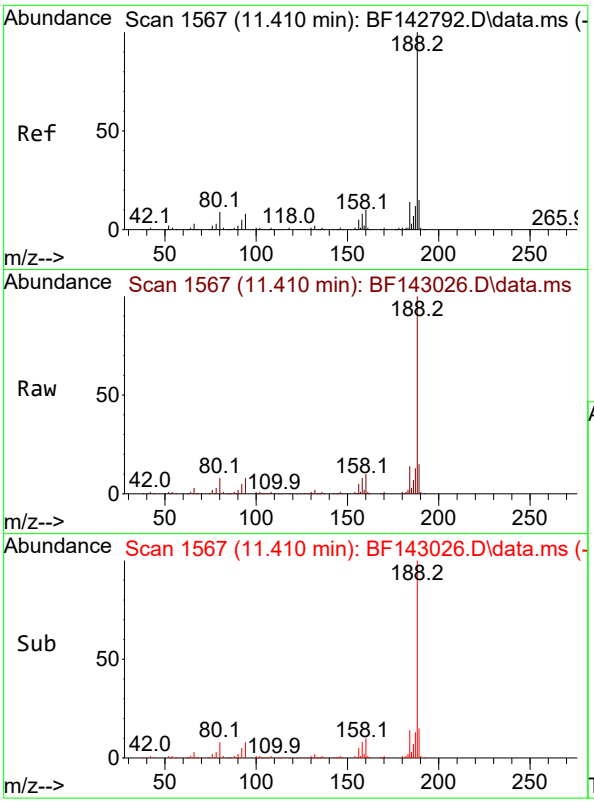


#45
2-Fluorobiphenyl
Concen: 78.636 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF143026.D
Acq: 08 Jul 2025 11:24

Tgt Ion:172 Resp: 810317

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.4
170	22.9	18.5	27.7



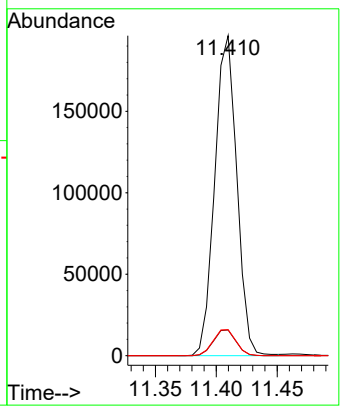


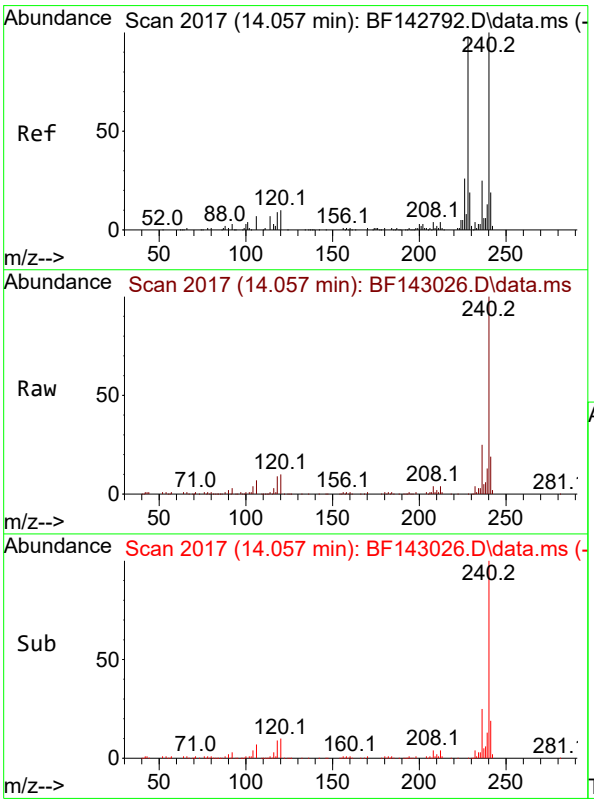
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143026.D
Acq: 08 Jul 2025 11:24

Instrument :
BNA_F
ClientSampleId :
PB168716BL

Tgt Ion:188 Resp: 247916

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.7	10.1
80	8.2	6.9	10.3

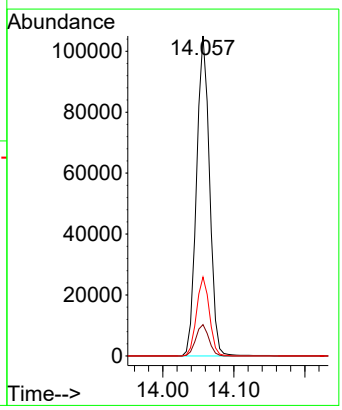


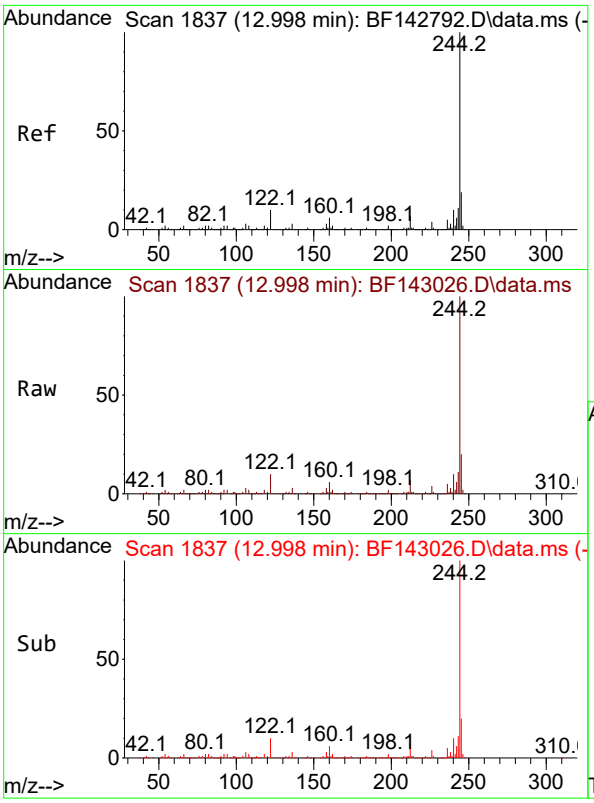


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF143026.D
Acq: 08 Jul 2025 11:24

Tgt Ion:240 Resp: 134036

Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.2	12.2
236	24.6	19.8	29.8



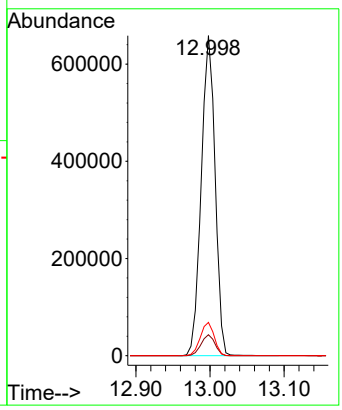


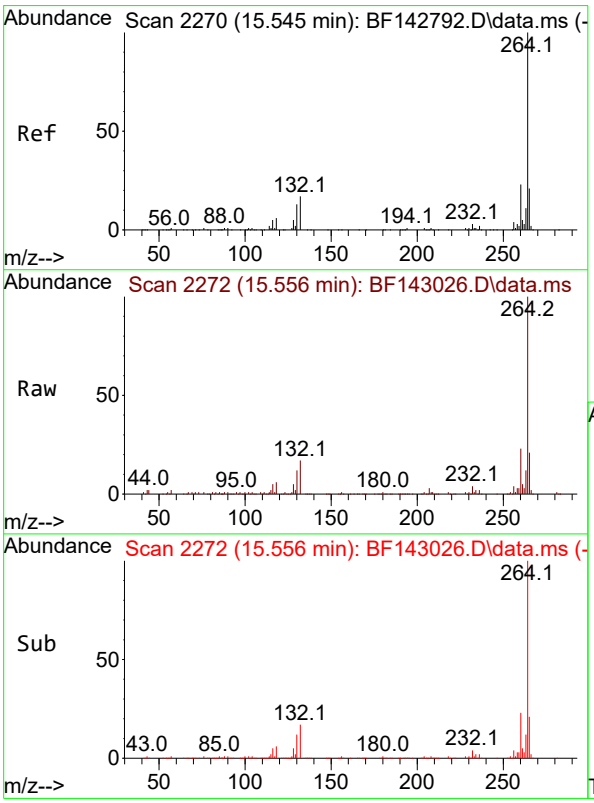
#79
Terphenyl-d14
Concen: 88.184 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143026.D
Acq: 08 Jul 2025 11:24

Instrument :
BNA_F
ClientSampleId :
PB168716BL

Tgt Ion:244 Resp: 855453

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.4	8.2	12.2

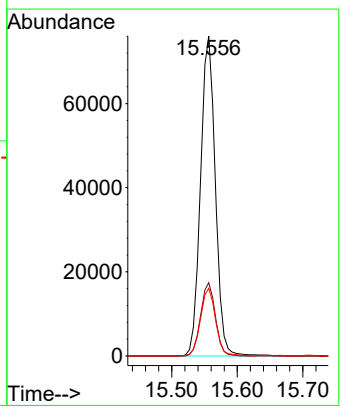




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.556 min Scan# 2272
Delta R.T. 0.012 min
Lab File: BF143026.D
Acq: 08 Jul 2025 11:24

Tgt Ion:264 Resp: 119715

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.1	27.1
265	21.1	16.6	25.0



Sample Results: **BF143026.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143026.D
Acq On : 08 Jul 2025 11:24
Operator : RC/JU
Sample : PB168716BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168716BL

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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143026.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.104	489	495	508	rBV	94107	164492	7.30%	1.236%
2	5.504	557	563	582	rBV	1245243	1654284	73.43%	12.427%
3	6.510	728	734	739	rBV	1176896	1626434	72.20%	12.218%
4	6.875	791	796	801	rBV	283823	352026	15.63%	2.645%
5	7.439	885	892	897	rBV	788719	1077901	47.85%	8.098%
6	8.157	1009	1014	1036	rVB	369594	470283	20.88%	3.533%
7	9.233	1191	1197	1202	rBV	1698533	2252817	100.00%	16.924%
8	9.916	1308	1313	1327	rVB	445447	548877	24.36%	4.123%
9	10.710	1443	1448	1470	rBV	1046638	1379051	61.21%	10.360%
10	11.410	1561	1567	1574	rBV	462207	582802	25.87%	4.378%
11	12.998	1831	1837	1842	rBV	1724485	2233780	99.15%	16.781%
12	14.009	1997	2009	2012	rBV3	12061	38522	1.71%	0.289%
13	14.057	2012	2017	2027	rVB	276290	355174	15.77%	2.668%
14	15.556	2266	2272	2282	rVB	203222	320304	14.22%	2.406%
15	17.274	2553	2564	2584	rVB	59517	254779	11.31%	1.914%

Sum of corrected areas: 13311526

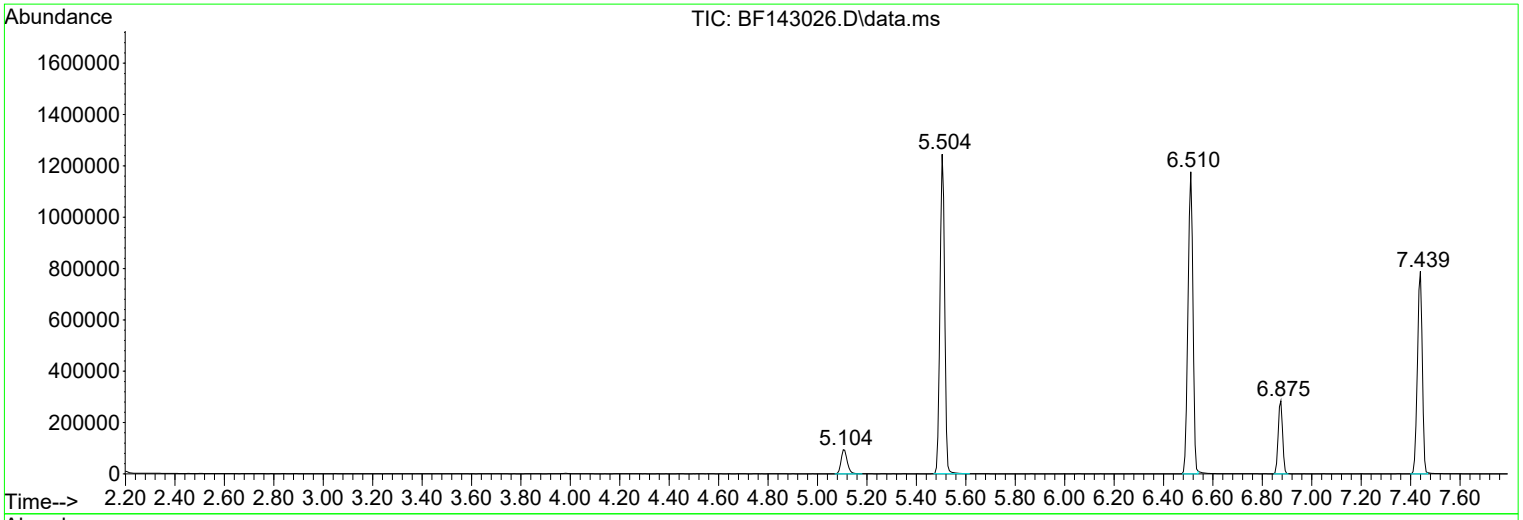
Sample Results: **BF143026.D**

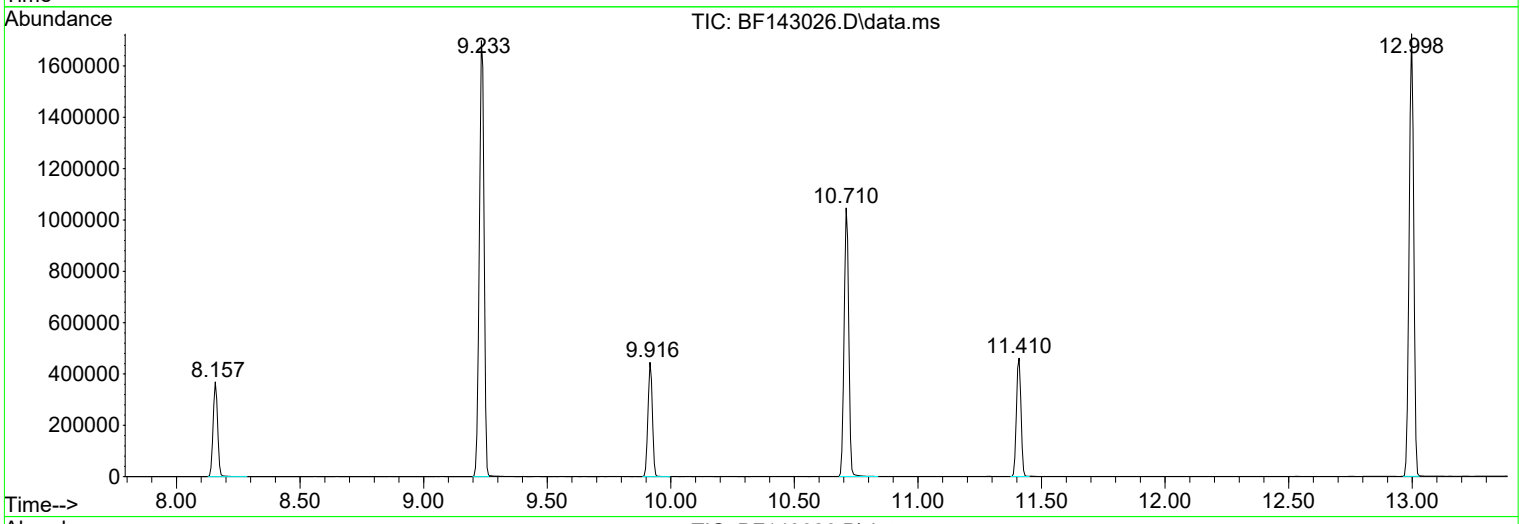
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143026.D
Acq On : 08 Jul 2025 11:24
Operator : RC/JU
Sample : PB168716BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

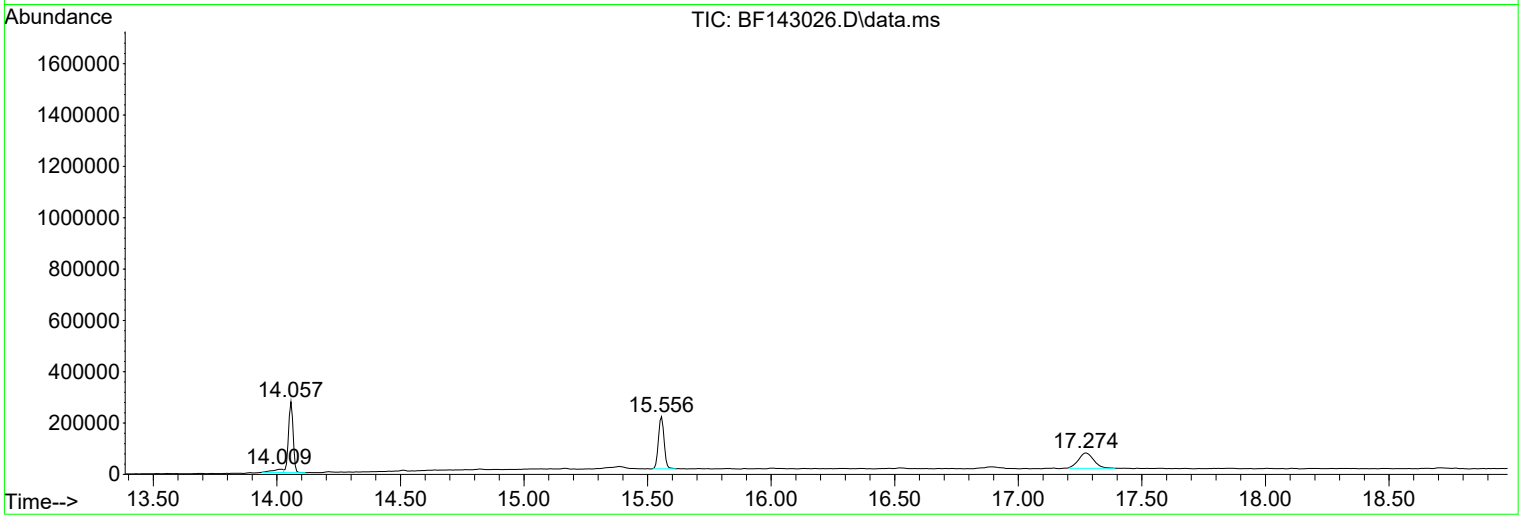
Instrument :
BNA_F
ClientSampleId :
PB168716BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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\BF070825\
Data File : BF143026.D
Acq On : 08 Jul 2025 11:24
Operator : RC/JU
Sample : PB168716BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168716BL

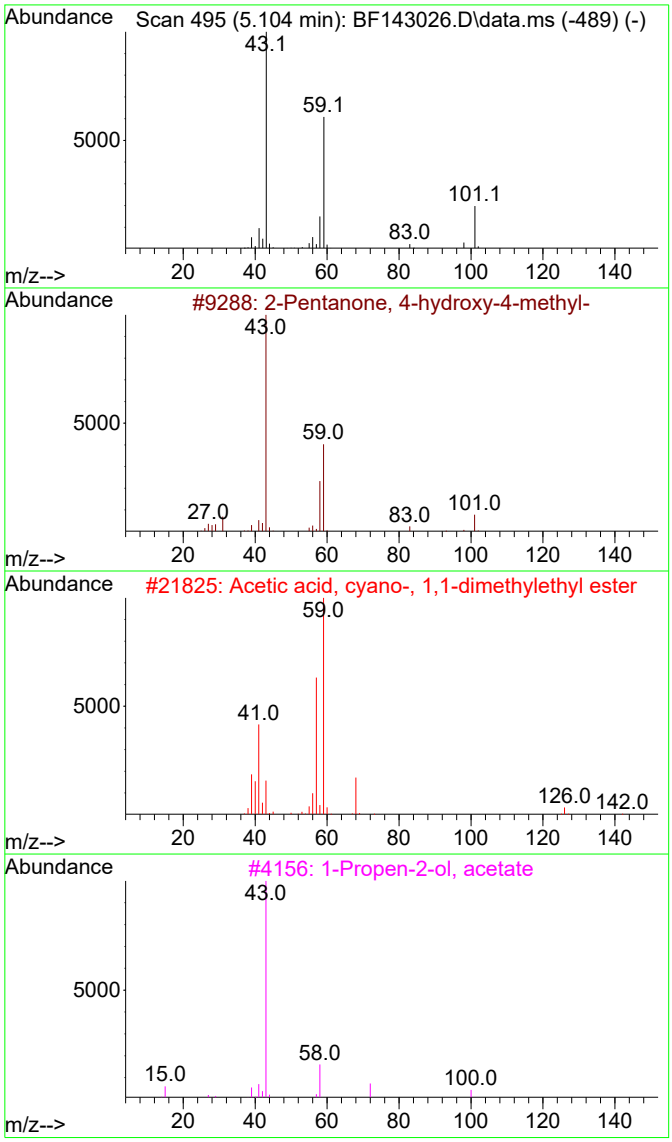
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

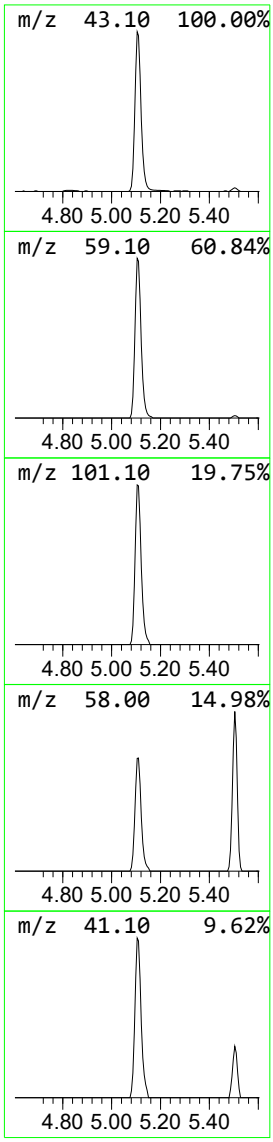
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.104	9.35 ng	164492	1,4-Dichlorobenzene-d4	6.875

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	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143026.D
Acq On : 08 Jul 2025 11:24
Operator : RC/JU
Sample : PB168716BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168716BL

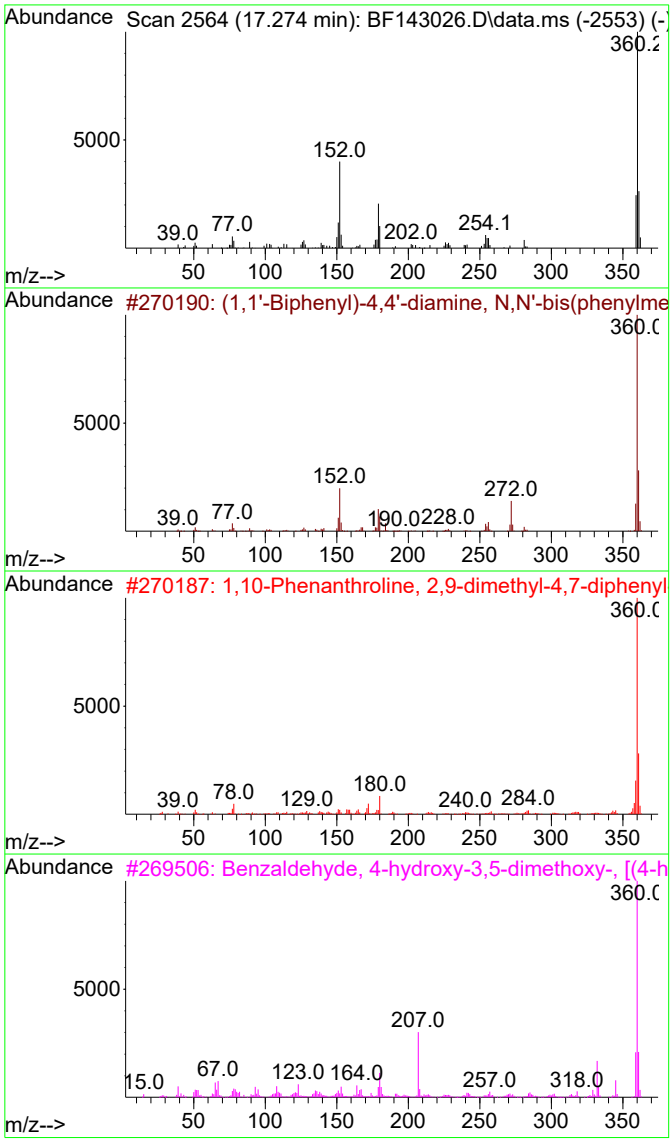
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

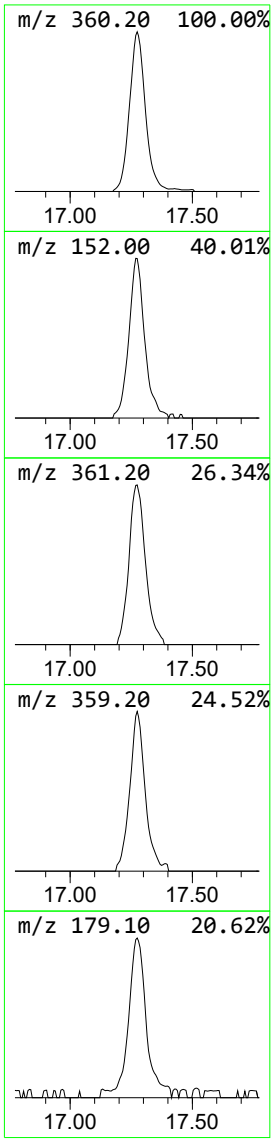
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (1,1'-Biphenyl)-4,4'-diamin... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.274	15.91 ng	254779	Perylene-d12	15.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1,1'-Biphenyl)-4,4'-diamine, N,...	360	C26H20N2	006311-48-4	76
2	1,10-Phenanthroline, 2,9-dimethy...	360	C26H20N2	004733-39-5	47
3	Benzaldehyde, 4-hydroxy-3,5-dime...	360	C18H20N2O6	014414-32-5	47
4	N,N'-di-2-Naphthyl-p-phenylenedi...	360	C26H20N2	000093-46-9	46
5	1H-isoindole-1,3(2H)-dione, 2-[5...	360	C21H16N2O4	1000398-48-8	43





Sample Results: **BF143026.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143026.D
Acq On : 08 Jul 2025 11:24
Operator : RC/JU
Sample : PB168716BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168716BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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-...	5.104	9.3	ng	164492	1	6.875	352026	20.0
(1,1'-Biphenyl)...	17.274	15.9	ng	254779	6	15.556	320304	20.0

Raw Data: **BF142991.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168674BS	SDG No.:	Q2458
Lab Sample ID:	PB168674BS	Matrix:	SOIL
Analytical Method:	8270E	% 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
BF142991.D	1	07/01/25 09:30	07/03/25 11:55	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	920		160	330	ug/Kg
108-95-2	Phenol	1400		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		24.3	170	ug/Kg
95-57-8	2-Chlorophenol	1400		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1400		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		37.5	170	ug/Kg
98-86-2	Acetophenone	1500		29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		47.4	80.0	ug/Kg
67-72-1	Hexachloroethane	1400		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1500		18.3	170	ug/Kg
78-59-1	Isophorone	1500		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1500		58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1500		64.8	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	890		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		25.3	170	ug/Kg
105-60-2	Caprolactam	1500		52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2800	E	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1400		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1500		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1500		27.1	170	ug/Kg

Raw Data: **BF142991.D**

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

Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	South River WM Replacement			Date Received:	
Client Sample ID:	PB168674BS			SDG No.:	Q2458
Lab Sample ID:	PB168674BS			Matrix:	SOIL
Analytical Method:	8270E			% 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
BF142991.D	1	07/01/25 09:30	07/03/25 11:55	PB168674

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	1000		46.0	170	ug/Kg
83-32-9	Acenaphthene	1600		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3100	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	2700	E	110	330	ug/Kg
132-64-9	Dibenzofuran	1500		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		50.1	170	ug/Kg
84-66-2	Diethylphthalate	1500		28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		26.7	170	ug/Kg
86-73-7	Fluorene	1500		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1400		64.2	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	1700		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	2800	E	51.3	330	ug/Kg
85-01-8	Phenanthrene	1500		20.9	170	ug/Kg
120-12-7	Anthracene	1500		33.3	170	ug/Kg
86-74-8	Carbazole	1500		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1700		47.9	170	ug/Kg
206-44-0	Fluoranthene	1500		30.0	170	ug/Kg
129-00-0	Pyrene	1400		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	990		36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		23.0	170	ug/Kg
218-01-9	Chrysene	1500		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1900		59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		86.8	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		19.0	170	ug/Kg

Raw Data: **BF142991.D**

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

Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	South River WM Replacement			Date Received:	
Client Sample ID:	PB168674BS			SDG No.:	Q2458
Lab Sample ID:	PB168674BS			Matrix:	SOIL
Analytical Method:	8270E			% 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
BF142991.D	1	07/01/25 09:30	07/03/25 11:55	PB168674

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	1400		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		25.6	170	ug/Kg
123-91-1	1,4-Dioxane	1100		45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	117		18 - 112	78%	SPK: 150
13127-88-3	Phenol-d6	119		15 - 107	79%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.0		18 - 107	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.0		20 - 109	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	125		10 - 116	83%	SPK: 150
1718-51-0	Terphenyl-d14	74.8		10 - 105	75%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	63900	6.875			
1146-65-2	Naphthalene-d8	242000	8.157			
15067-26-2	Acenaphthene-d10	125000	9.916			
1517-22-2	Phenanthrene-d10	198000	11.41			
1719-03-5	Chrysene-d12	112000	14.057			
1520-96-3	Perylene-d12	135000	15.545			

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\BF070325\
Data File : BF142991.D
Acq On : 03 Jul 2025 11:55
Operator : RC/JU
Sample : PB168674BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Quant Time: Jul 03 12:57:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	63885	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	241904	20.000	ng		-0.01
39) Acenaphthene-d10	9.916	164	125461	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	198063	20.000	ng		0.00
76) Chrysene-d12	14.057	240	112102	20.000	ng		0.00
86) Perylene-d12	15.545	264	135188	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	450791	117.482	ng		0.01
7) Phenol-d6	6.510	99	537410	118.711	ng		0.00
23) Nitrobenzene-d5	7.439	82	335327	76.034	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	160859	124.593	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	744584	77.964	ng		-0.01
79) Terphenyl-d14	12.992	244	606798	74.790	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.710	88	49693	32.379	ng		100
3) Pyridine	3.475	79	139949	36.373	ng		99
4) n-Nitrosodimethylamine	3.428	42	79657	40.036	ng		98
6) Aniline	6.534	93	199811	33.171	ng	#	65
8) 2-Chlorophenol	6.663	128	179095	43.269	ng		97
9) Benzaldehyde	6.428	77	73871	27.504	ng		99
10) Phenol	6.522	94	207828	41.300	ng		87
11) bis(2-Chloroethyl)ether	6.610	93	155659	43.280	ng		96
12) 1,3-Dichlorobenzene	6.816	146	195413	42.214	ng		100
13) 1,4-Dichlorobenzene	6.892	146	198305	42.460	ng		99
14) 1,2-Dichlorobenzene	7.045	146	188839	42.628	ng		99
15) Benzyl Alcohol	7.016	79	143929	43.978	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	232875	40.301	ng		83
17) 2-Methylphenol	7.134	107	134408	42.850	ng		96
18) Hexachloroethane	7.387	117	71032	43.482	ng		96
19) n-Nitroso-di-n-propyla...	7.287	70	116422	44.217	ng		98
20) 3+4-Methylphenols	7.287	107	172556	44.121	ng		95
22) Acetophenone	7.287	105	237149	44.456	ng		99
24) Nitrobenzene	7.457	77	174550	43.729	ng		100
25) Isophorone	7.698	82	309400	43.733	ng		99
26) 2-Nitrophenol	7.775	139	98136	45.132	ng		100
27) 2,4-Dimethylphenol	7.810	122	164690	43.725	ng		100
28) bis(2-Chloroethoxy)met...	7.904	93	197590	43.931	ng		100
29) 2,4-Dichlorophenol	8.022	162	151503	44.362	ng		99
30) 1,2,4-Trichlorobenzene	8.098	180	165372	44.037	ng		99
31) Naphthalene	8.181	128	517343	43.692	ng		99
32) Benzoic acid	7.934	122	76830	40.021	ng		96
33) 4-Chloroaniline	8.228	127	128266	26.641	ng		99
34) Hexachlorobutadiene	8.292	225	102492	44.619	ng		99
35) Caprolactam	8.604	113	41498m	46.048	ng		
36) 4-Chloro-3-methylphenol	8.716	107	151048	44.503	ng		99
37) 2-Methylnaphthalene	8.875	142	324645	44.224	ng		100
38) 1-Methylnaphthalene	8.975	142	334464	44.013	ng		100
40) 1,2,4,5-Tetrachloroben...	9.039	216	169134	45.688	ng		98
41) Hexachlorocyclopentadiene	9.022	237	178983	85.198	ng		99
43) 2,4,6-Trichlorophenol	9.157	196	104953	43.508	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142991.D
Acq On : 03 Jul 2025 11:55
Operator : RC/JU
Sample : PB168674BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Quant Time: Jul 03 12:57:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

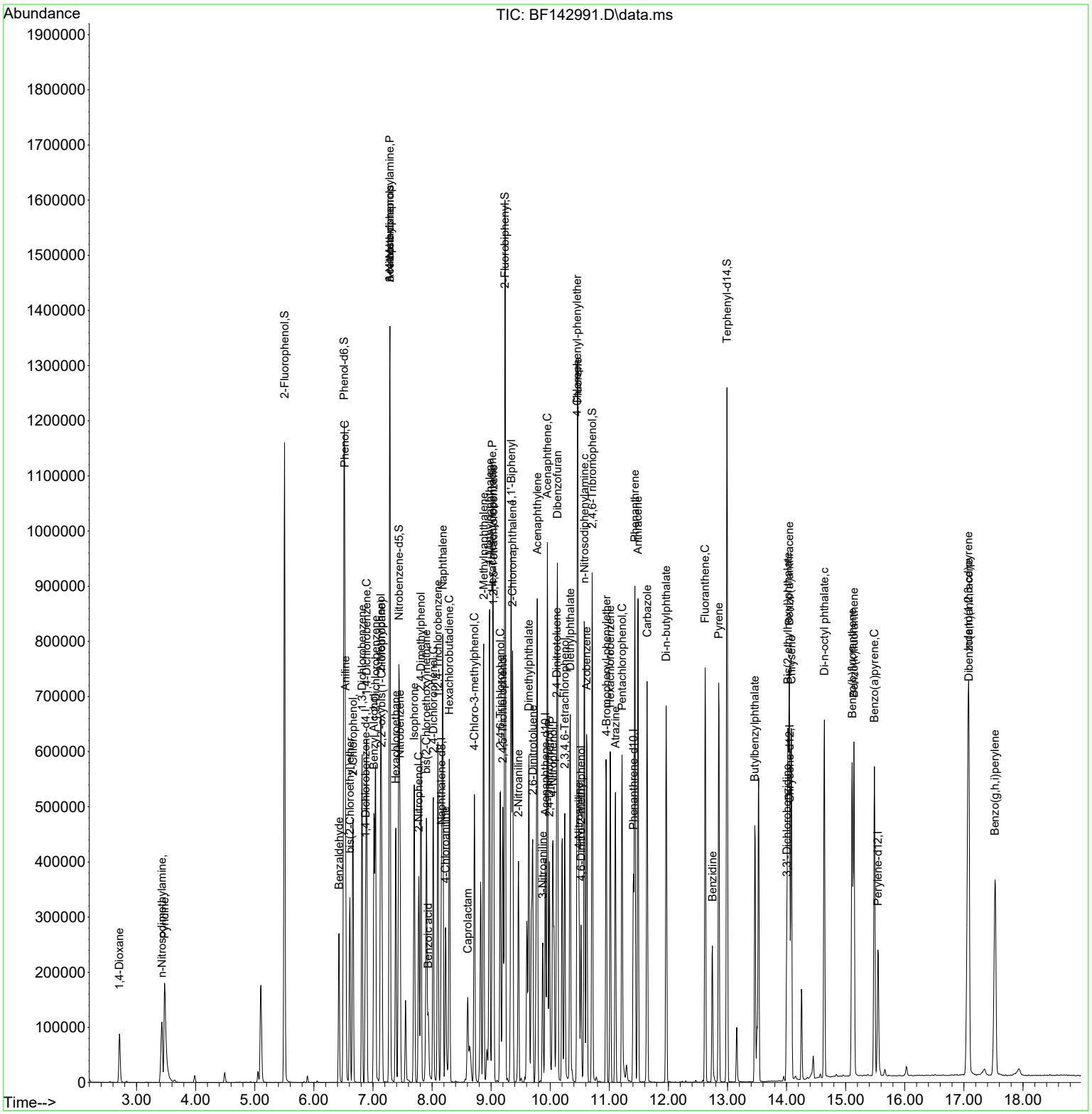
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	113751	44.795	ng	99
46) 1,1'-Biphenyl	9.339	154	441338	44.531	ng	99
47) 2-Chloronaphthalene	9.363	162	327905	44.089	ng	100
48) 2-Nitroaniline	9.463	65	92365	44.298	ng	97
49) Acenaphthylene	9.781	152	539706	44.081	ng	100
50) Dimethylphthalate	9.639	163	371267	45.716	ng	100
51) 2,6-Dinitrotoluene	9.704	165	81216	45.538	ng	96
52) Acenaphthene	9.951	154	361360m	48.375	ng	
53) 3-Nitroaniline	9.875	138	59605	30.355	ng	96
54) 2,4-Dinitrophenol	9.986	184	83402	93.393	ng	95
55) Dibenzofuran	10.122	168	468717	43.757	ng	99
56) 4-Nitrophenol	10.045	139	107577	80.024	ng	98
57) 2,4-Dinitrotoluene	10.110	165	109182	46.088	ng	97
58) Fluorene	10.469	166	374712	44.791	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	88572	43.272	ng	97
60) Diethylphthalate	10.339	149	367284	46.126	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	181362	45.431	ng	99
62) 4-Nitroaniline	10.486	138	76004	42.321	ng	99
63) Azobenzene	10.616	77	311484	43.768	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	55318	46.175	ng	96
66) n-Nitrosodiphenylamine	10.580	169	320102	46.632	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	108026	47.923	ng	98
68) Hexachlorobenzene	11.016	284	117783	47.024	ng	98
69) Atrazine	11.104	200	91240	51.472	ng	100
70) Pentachlorophenol	11.216	266	106145	85.045	ng	98
71) Phenanthrene	11.433	178	492551	45.908	ng	100
72) Anthracene	11.486	178	500479	45.483	ng	100
73) Carbazole	11.639	167	423084	44.555	ng	99
74) Di-n-butylphthalate	11.963	149	497923	50.335	ng	100
75) Fluoranthene	12.621	202	449628	44.157	ng	100
77) Benzidine	12.745	184	144434	34.293	ng	100
78) Pyrene	12.851	202	439028	41.781	ng	99
80) Butylbenzylphthalate	13.463	149	161506	52.987	ng	99
81) Benzo(a)anthracene	14.045	228	350937	46.405	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	72559	29.580	ng	98
83) Chrysene	14.080	228	312411	46.296	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	243557	55.538	ng	100
85) Di-n-octyl phthalate	14.639	149	450741	54.508	ng	98
87) Indeno(1,2,3-cd)pyrene	17.074	276	440784	42.806	ng	98
88) Benzo(b)fluoranthene	15.110	252	354267	45.288	ng	100
89) Benzo(k)fluoranthene	15.139	252	354547	48.445	ng	99
90) Benzo(a)pyrene	15.486	252	352792	46.683	ng	99
91) Dibenzo(a,h)anthracene	17.086	278	358859	42.892	ng	98
92) Benzo(g,h,i)perylene	17.527	276	347863	41.696	ng	98

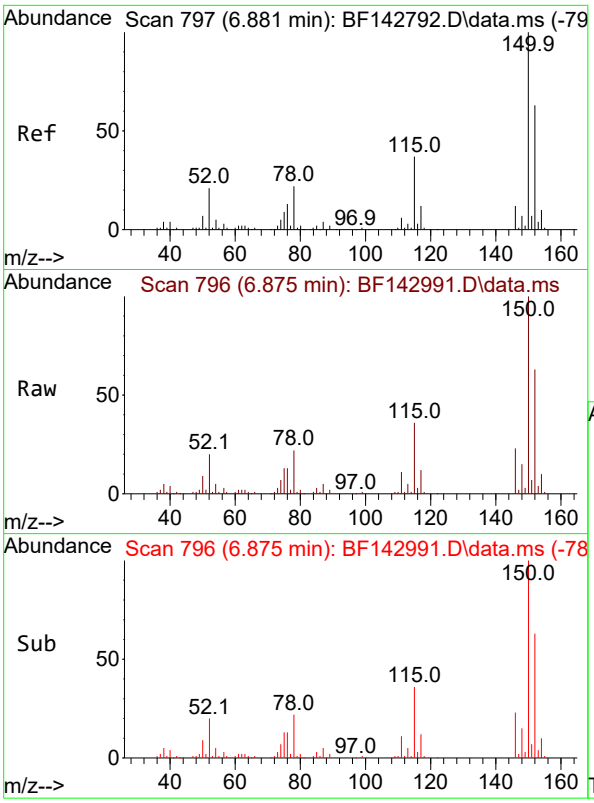
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142991.D
Acq On : 03 Jul 2025 11:55
Operator : RC/JU
Sample : PB168674BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Quant Time: Jul 03 12:57:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



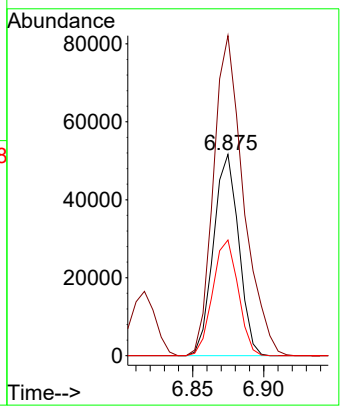


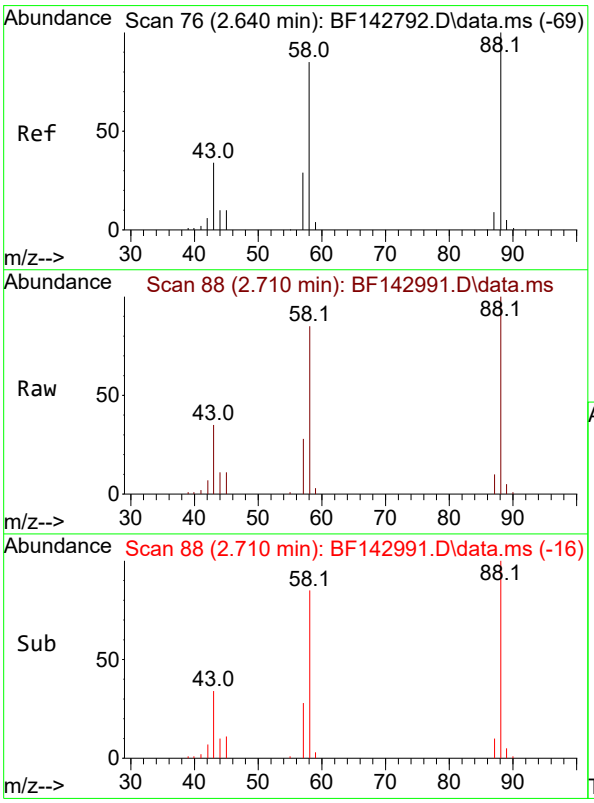
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:152 Resp: 63885

Ion	Ratio	Lower	Upper
152	100		
150	159.0	127.2	190.8
115	57.5	46.6	69.8

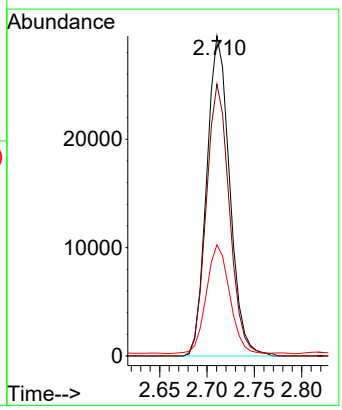


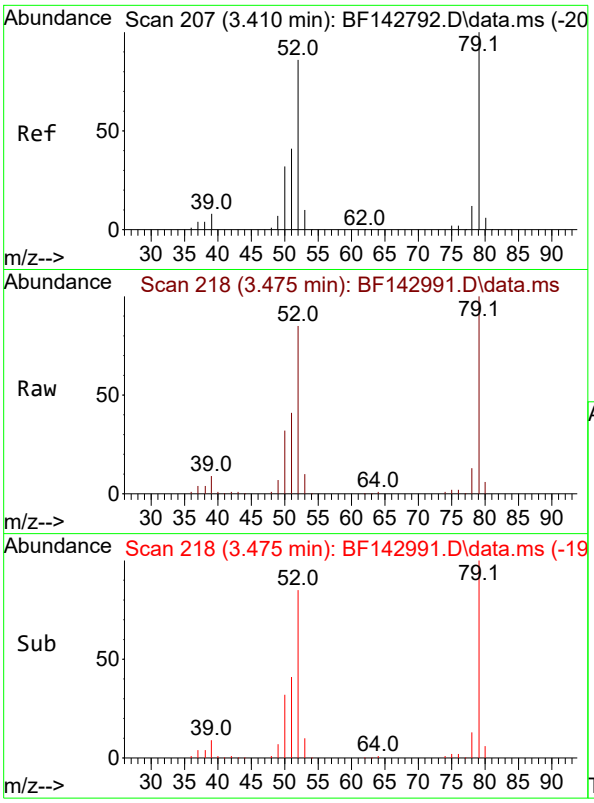


#2
1,4-Dioxane
Concen: 32.379 ng
RT: 2.710 min Scan# 88
Delta R.T. 0.071 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion: 88 Resp: 49693

Ion	Ratio	Lower	Upper
88	100		
58	86.2	69.1	103.7
43	34.5	27.4	41.2



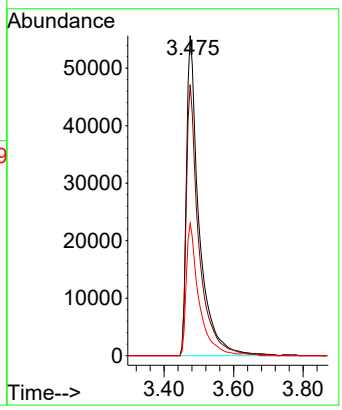


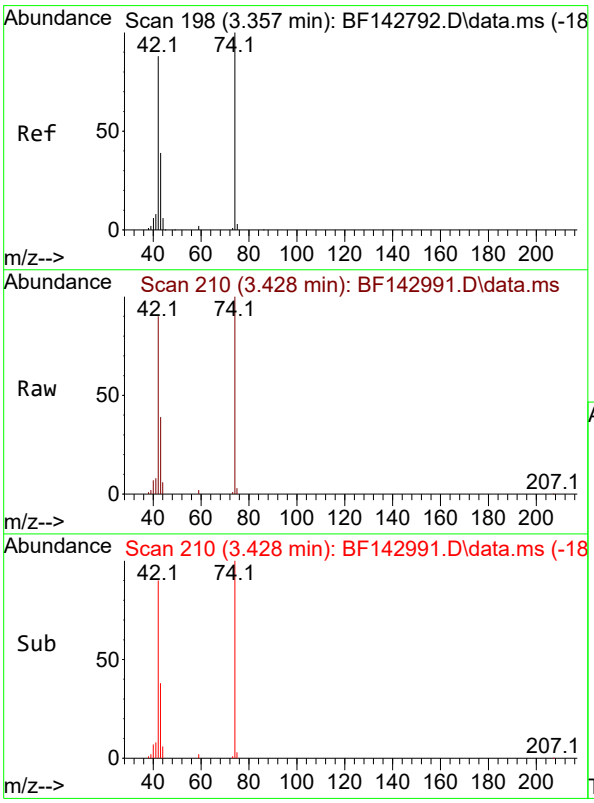
#3
Pyridine
Concen: 36.373 ng
RT: 3.475 min Scan# 21
Delta R.T. 0.065 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion: 79 Resp: 139949

Ion	Ratio	Lower	Upper
79	100		
52	84.7	69.2	103.8
51	41.3	33.2	49.8

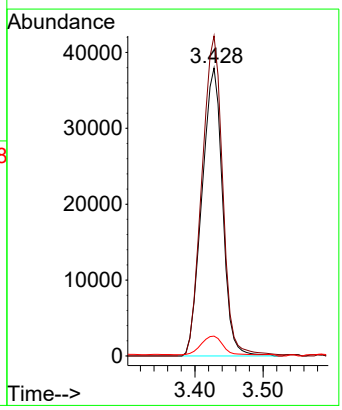


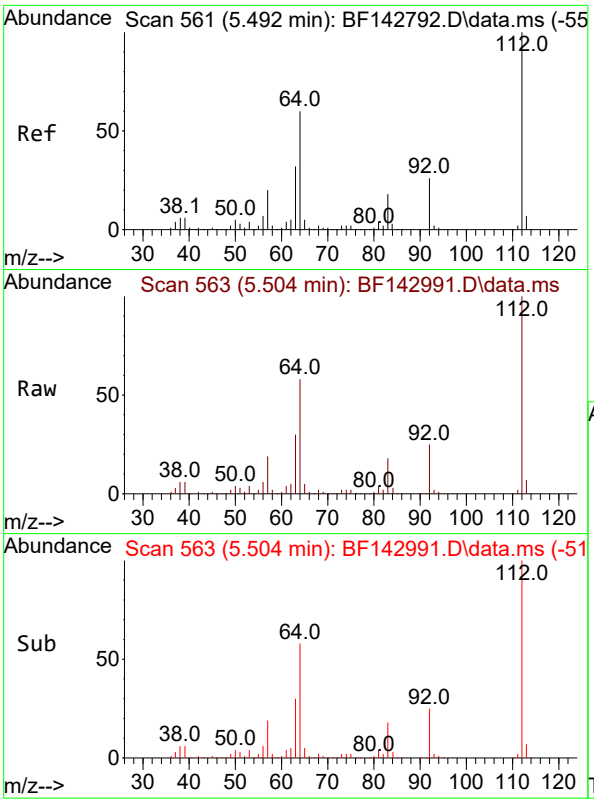


#4
n-Nitrosodimethylamine
Concen: 40.036 ng
RT: 3.428 min Scan# 210
Delta R.T. 0.071 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion: 42 Resp: 79657

Ion	Ratio	Lower	Upper
42	100		
74	111.1	90.9	136.3
44	6.9	5.8	8.6



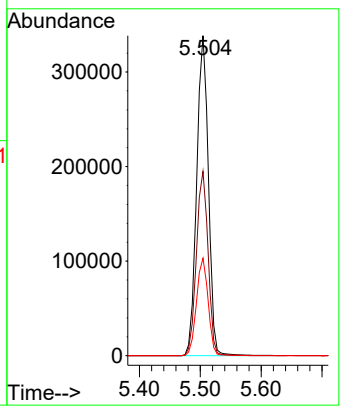


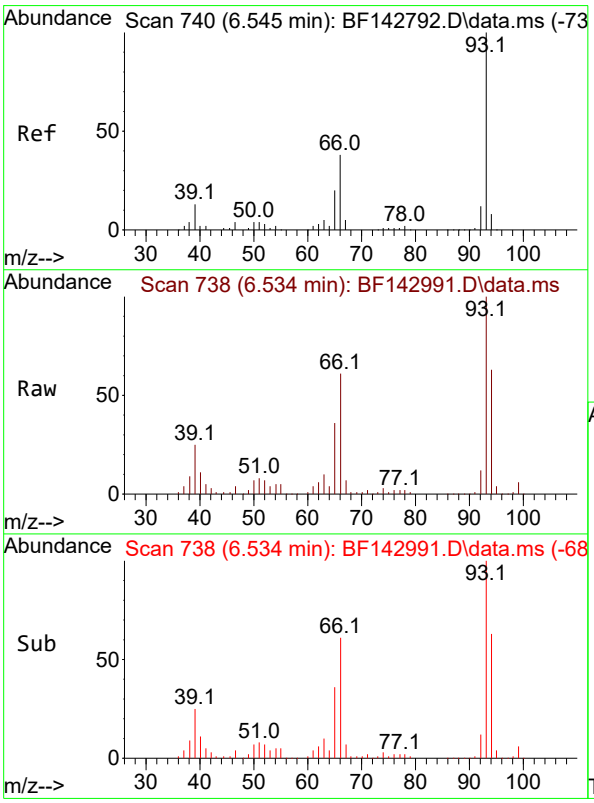
#5
2-Fluorophenol
Concen: 117.482 ng
RT: 5.504 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:112 Resp: 450791

Ion	Ratio	Lower	Upper
112	100		
64	57.6	48.2	72.2
63	30.4	25.7	38.5

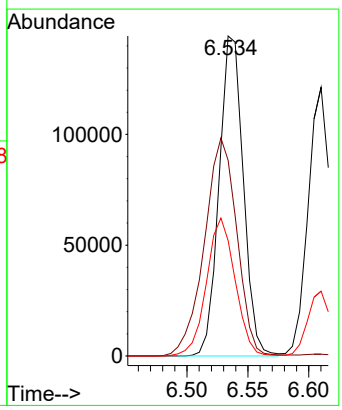


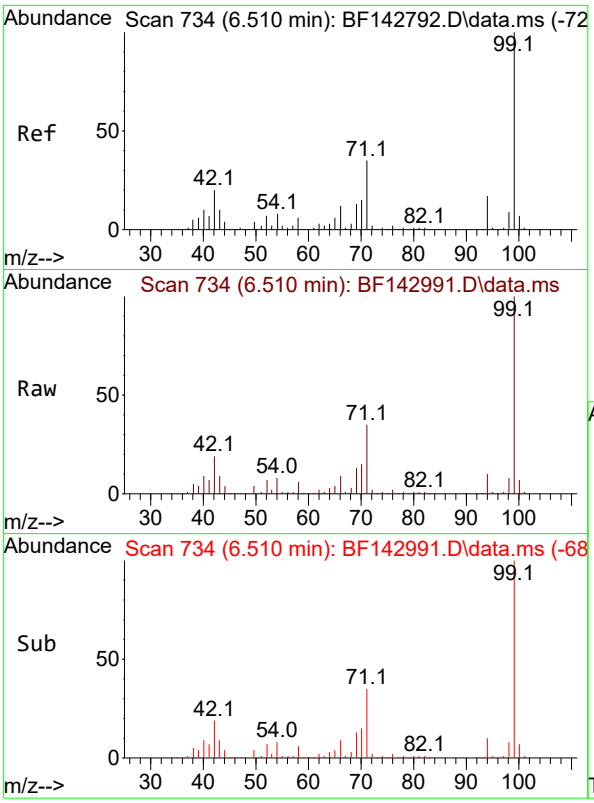


#6
Aniline
Concen: 33.171 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion: 93 Resp: 199811

Ion	Ratio	Lower	Upper
93	100		
66	61.2	31.8	47.6#
65	36.1	16.2	24.2#



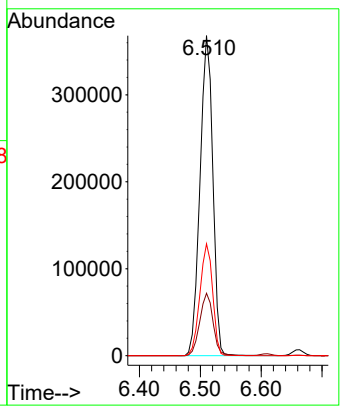


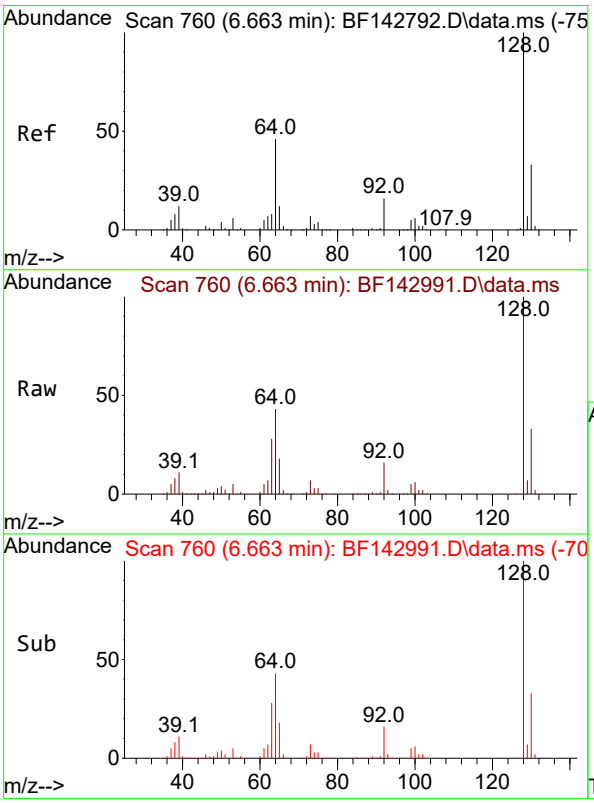
#7
Phenol-d6
Concen: 118.711 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion: 99 Resp: 537410

Ion	Ratio	Lower	Upper
99	100		
42	19.5	15.9	23.9
71	35.0	27.8	41.8

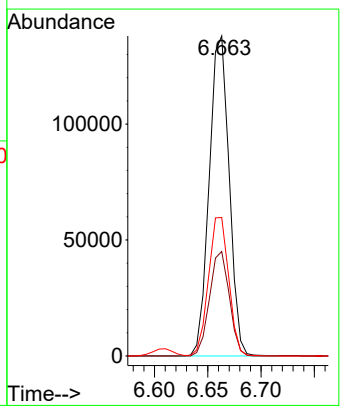


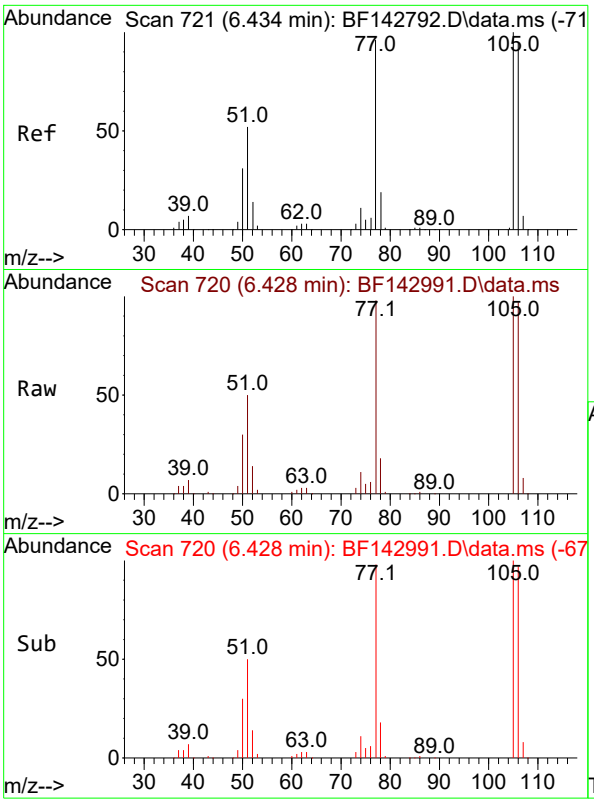


#8
2-Chlorophenol
Concen: 43.269 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:128 Resp: 179095

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.7	52.7
64	43.3	26.5	66.5



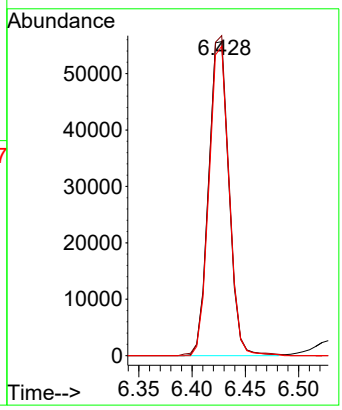


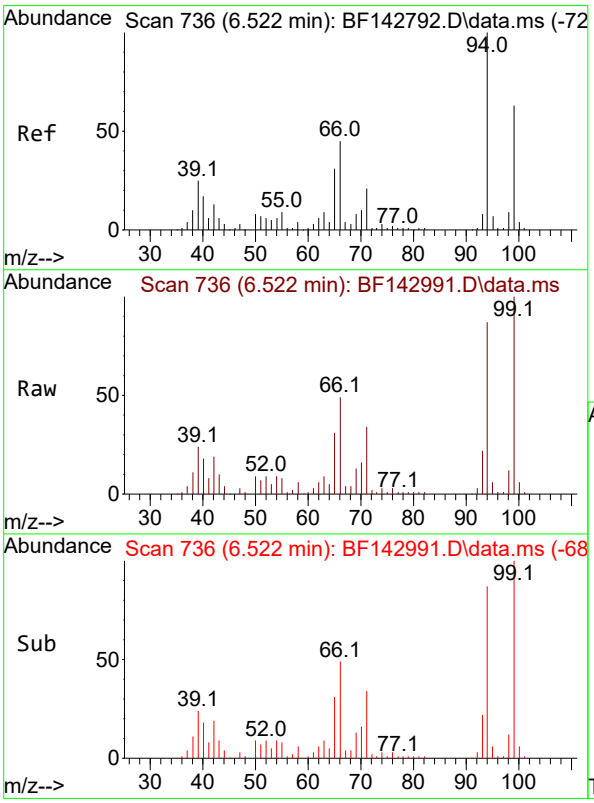
#9
Benzaldehyde
Concen: 27.504 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion: 77 Resp: 73871

Ion	Ratio	Lower	Upper
77	100		
105	101.9	83.8	123.8
106	98.5	78.7	118.7

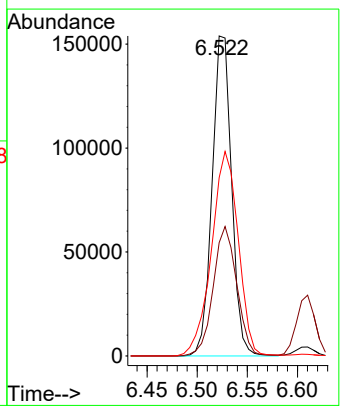


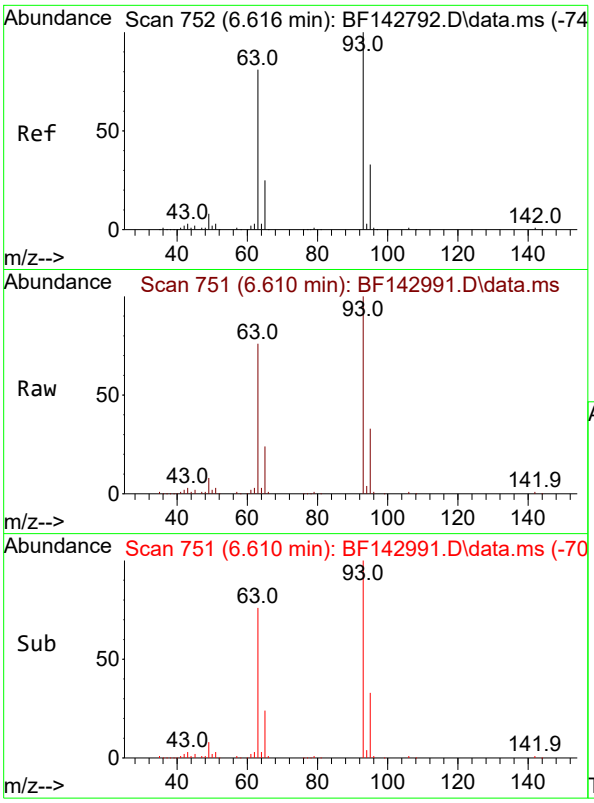


#10
Phenol
Concen: 41.300 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion: 94 Resp: 207828

Ion	Ratio	Lower	Upper
94	100		
65	35.4	11.3	51.3
66	55.7	24.9	64.9



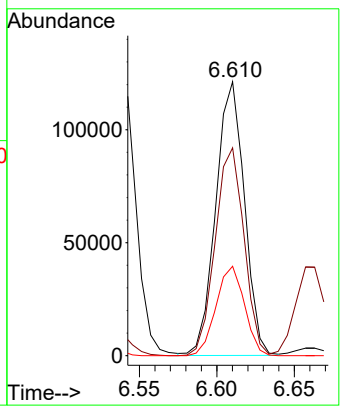


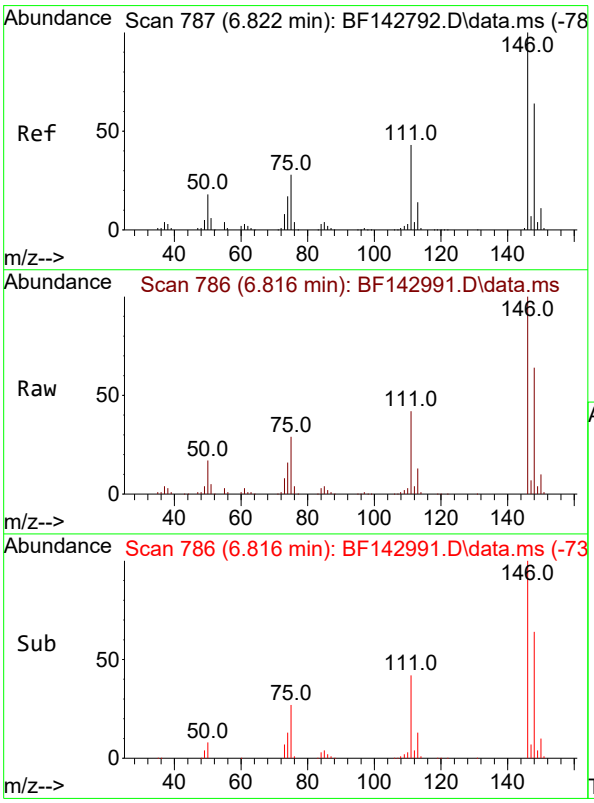
#11
bis(2-Chloroethyl)ether
Concen: 43.280 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion: 93 Resp: 155659

Ion	Ratio	Lower	Upper
93	100		
63	75.9	60.3	100.3
95	32.6	12.5	52.5

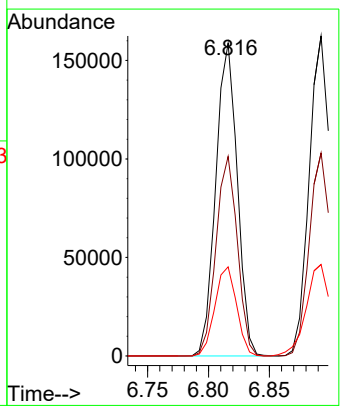


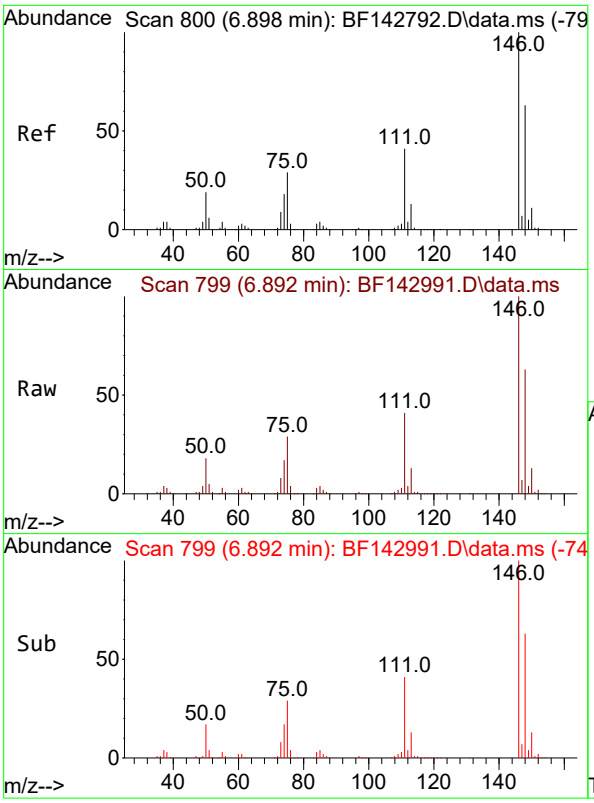


#12
1,3-Dichlorobenzene
Concen: 42.214 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:146 Resp: 195413

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.1	76.7
75	28.5	22.7	34.1



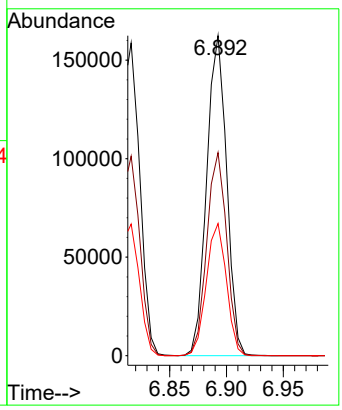


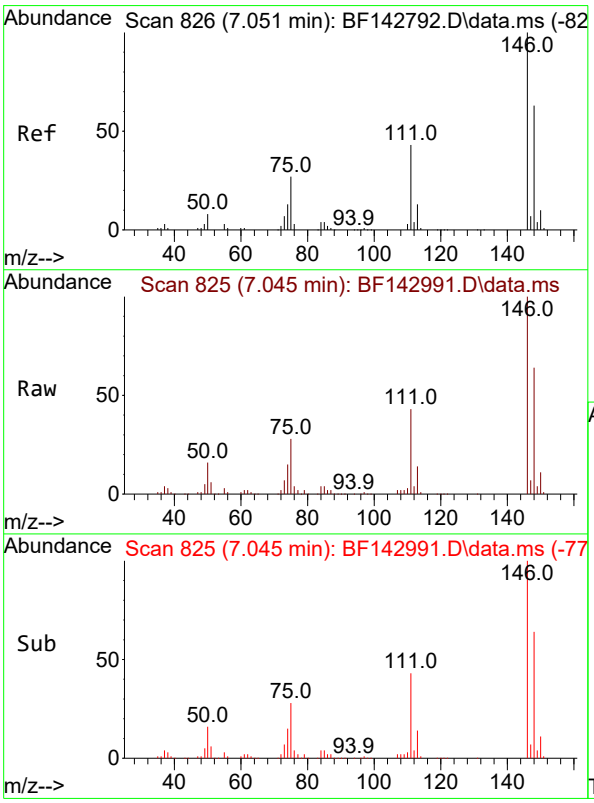
#13
1,4-Dichlorobenzene
Concen: 42.460 ng
RT: 6.892 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:146 Resp: 198305

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.2	75.2
111	41.3	33.2	49.8

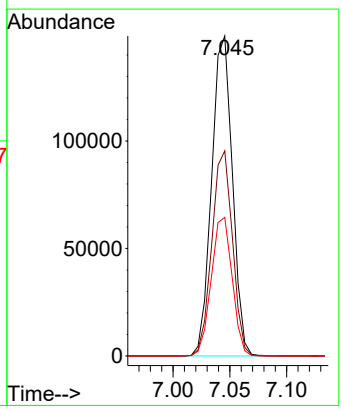


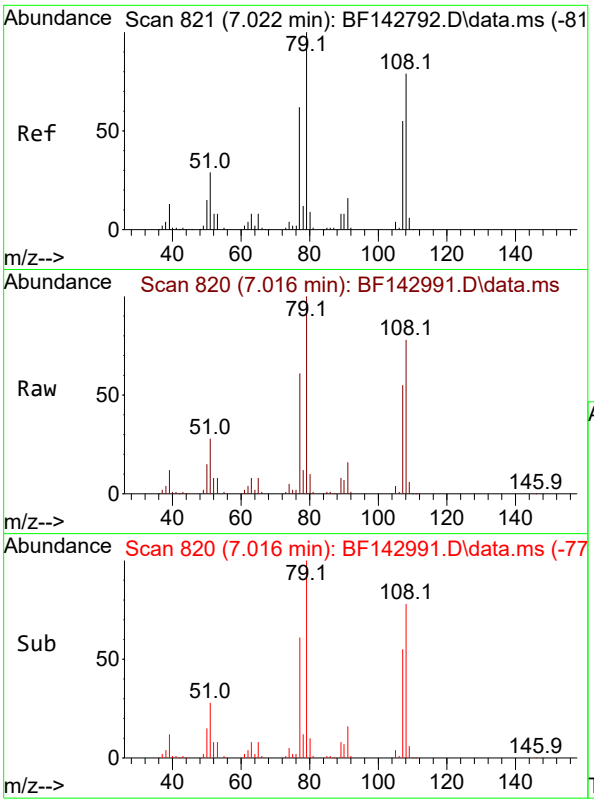


#14
1,2-Dichlorobenzene
Concen: 42.628 ng
RT: 7.045 min Scan# 825
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:146 Resp: 188839

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.4	75.6
111	43.3	34.1	51.1



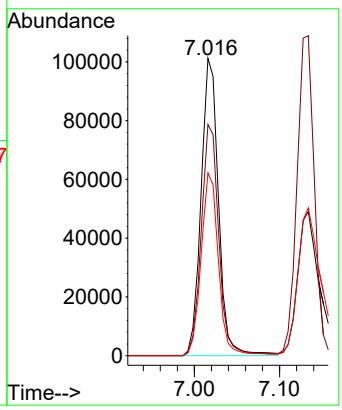


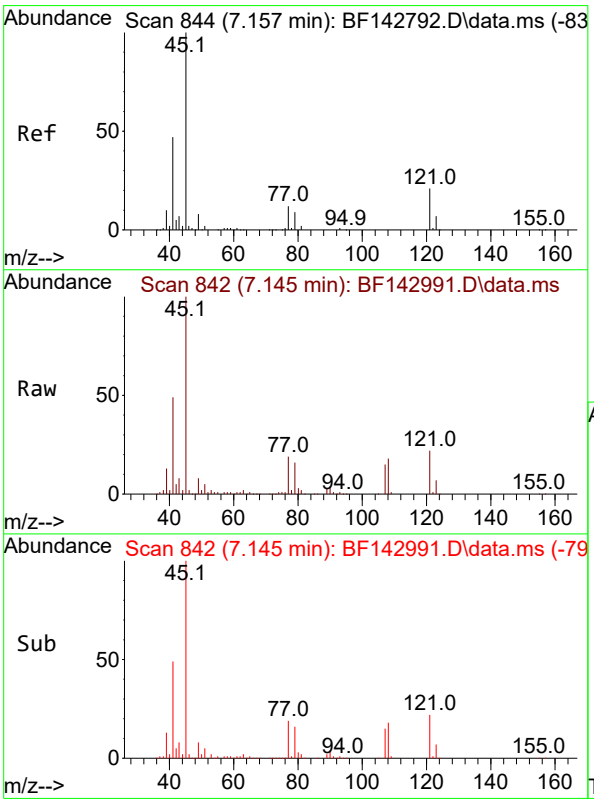
#15
Benzyl Alcohol
Concen: 43.978 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion: 79 Resp: 143929

Ion	Ratio	Lower	Upper
79	100		
108	77.8	63.4	95.0
77	61.5	49.5	74.3

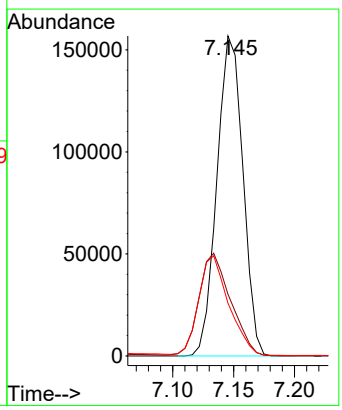


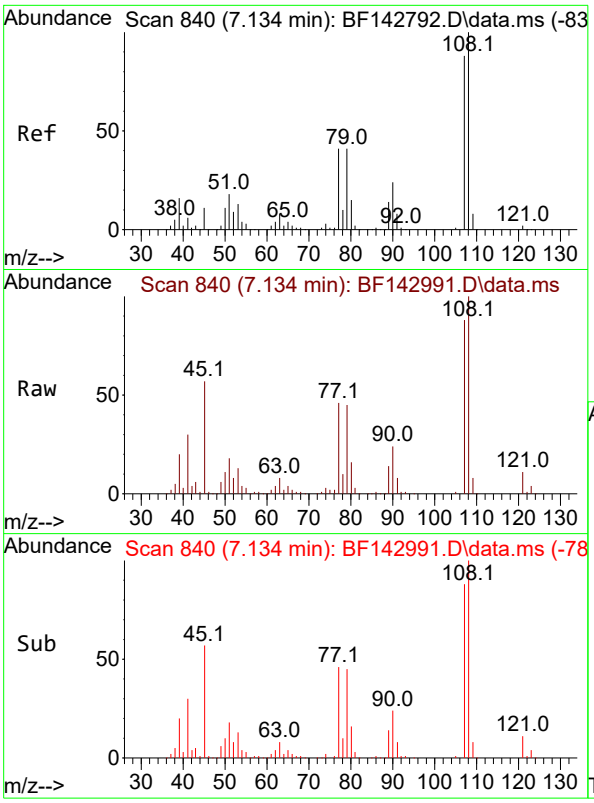


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.301 ng
RT: 7.145 min Scan# 842
Delta R.T. -0.012 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion: 45 Resp: 232875

Ion	Ratio	Lower	Upper
45	100		
77	19.3	0.0	32.8
79	16.5	0.0	29.8



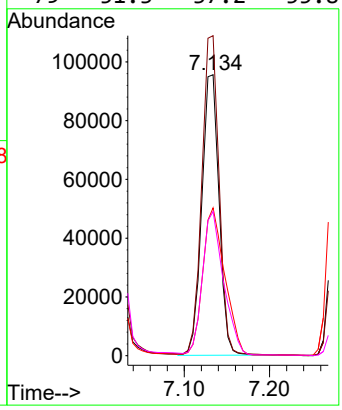


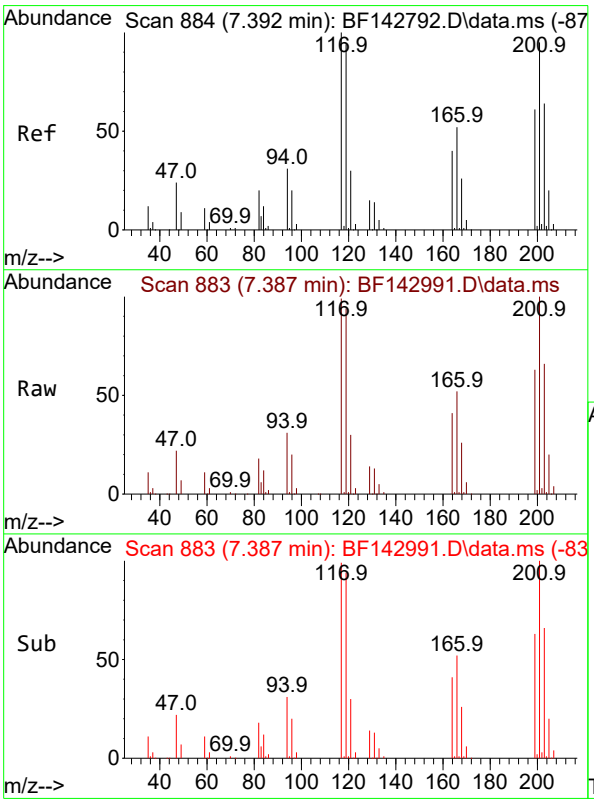
#17
2-Methylphenol
Concen: 42.850 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:107 Resp: 134408

Ion	Ratio	Lower	Upper
107	100		
108	113.9	90.9	136.3
77	52.6	37.3	55.9
79	51.3	37.2	55.8

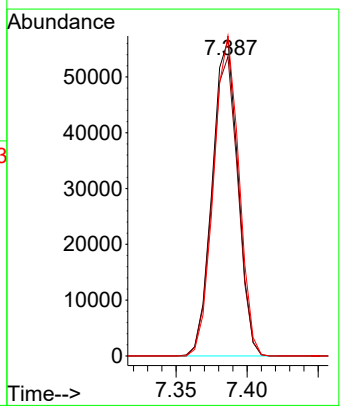


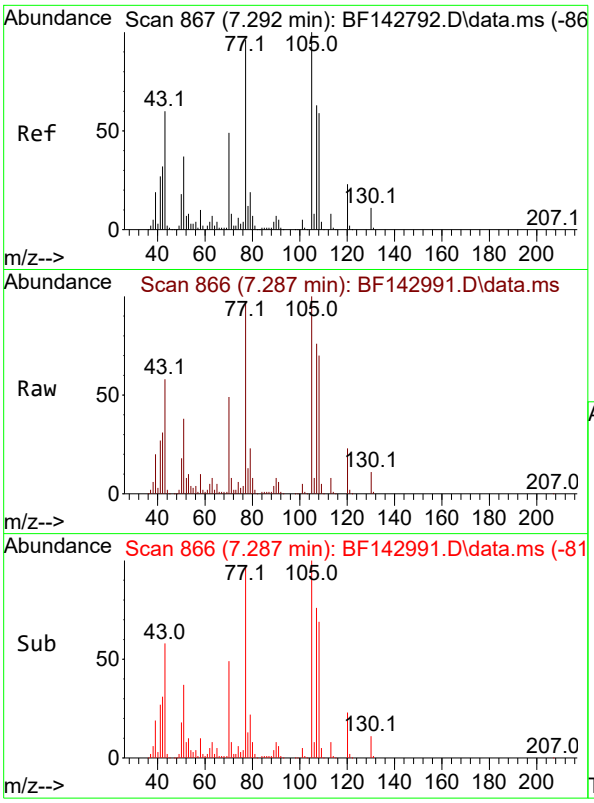


#18
Hexachloroethane
Concen: 43.482 ng
RT: 7.387 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:117 Resp: 71032

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.4	113.0
201	101.3	75.9	113.9



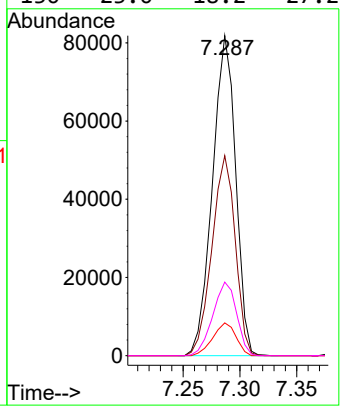


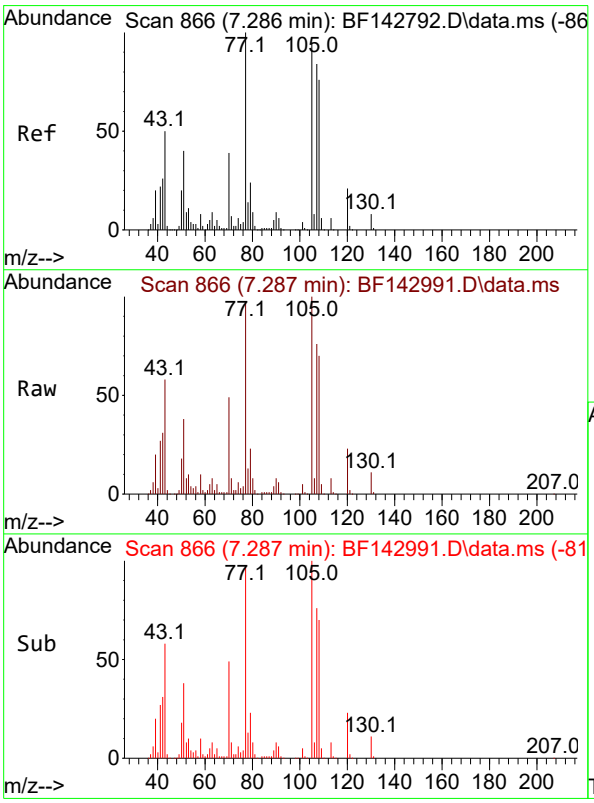
#19
n-Nitroso-di-n-propylamine
Concen: 44.217 ng
RT: 7.287 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion: 70 Resp: 116422

Ion	Ratio	Lower	Upper
70	100		
42	62.5	52.1	78.1
101	10.2	8.2	12.2
130	23.0	18.2	27.2

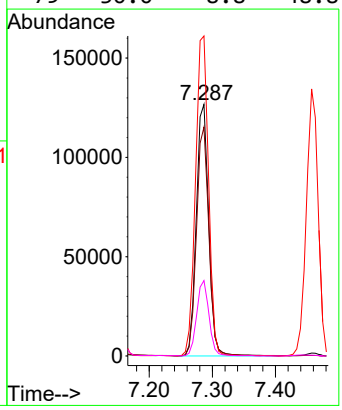


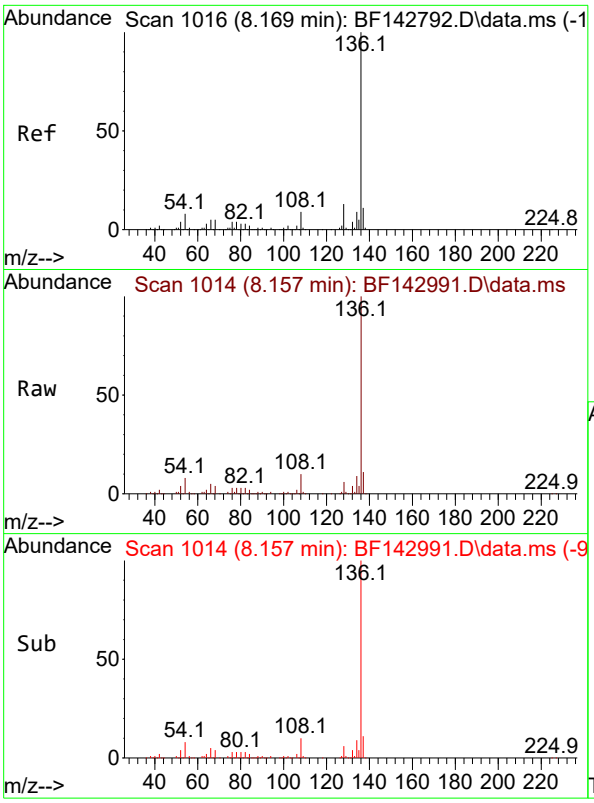


#20
3+4-Methylphenols
Concen: 44.121 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:107 Resp: 172556

Ion	Ratio	Lower	Upper
107	100		
108	91.0	70.0	110.0
77	127.3	98.5	138.5
79	30.0	8.8	48.8



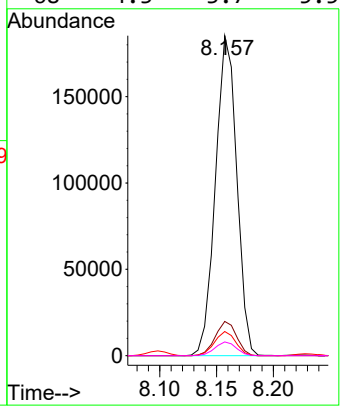


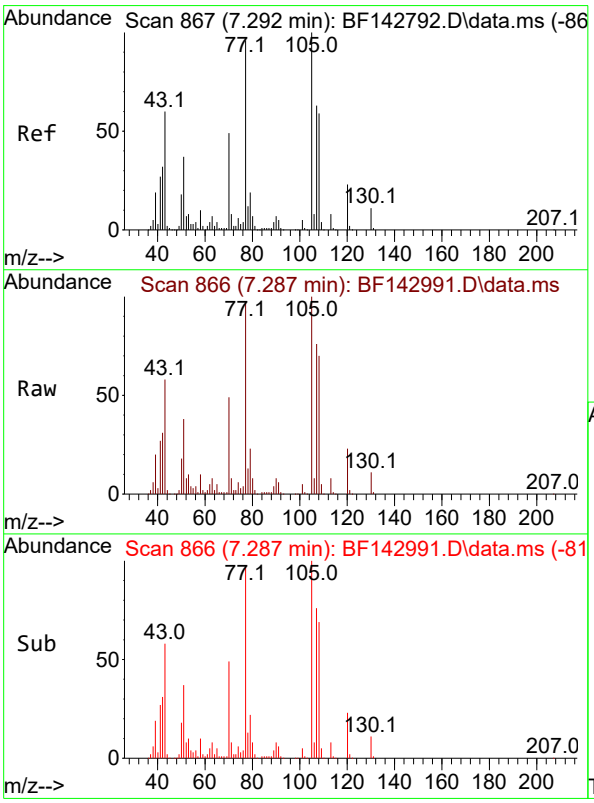
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:136 Resp: 241904

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.6	6.3	9.5
68	4.3	3.7	5.5

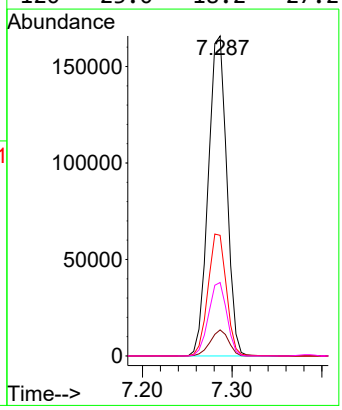


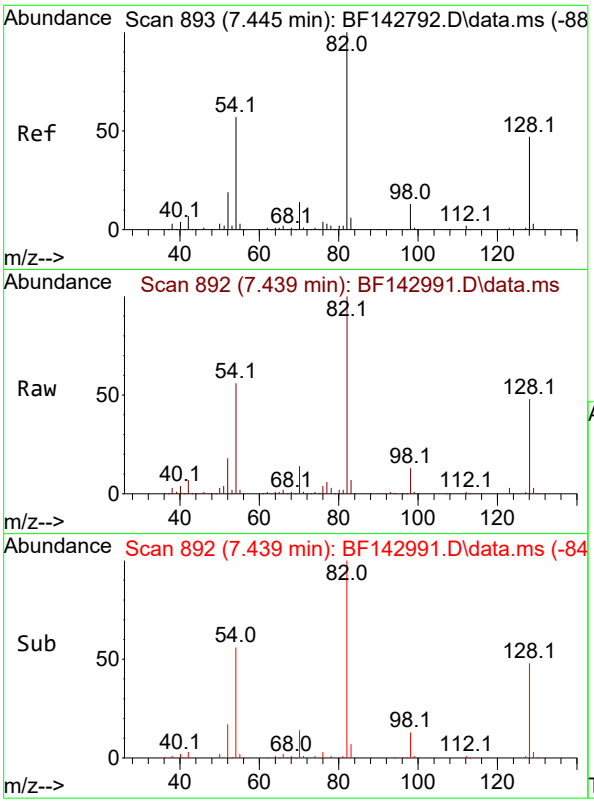


#22
Acetophenone
Concen: 44.456 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:105 Resp: 237149

Ion	Ratio	Lower	Upper
105	100		
71	8.2	6.5	9.7
51	37.7	29.8	44.8
120	23.0	18.2	27.2



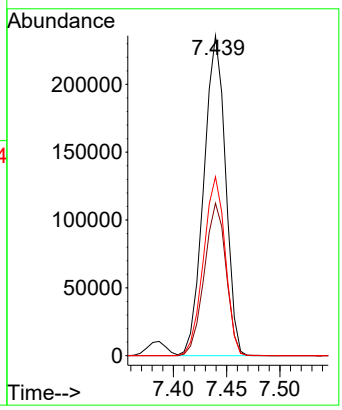


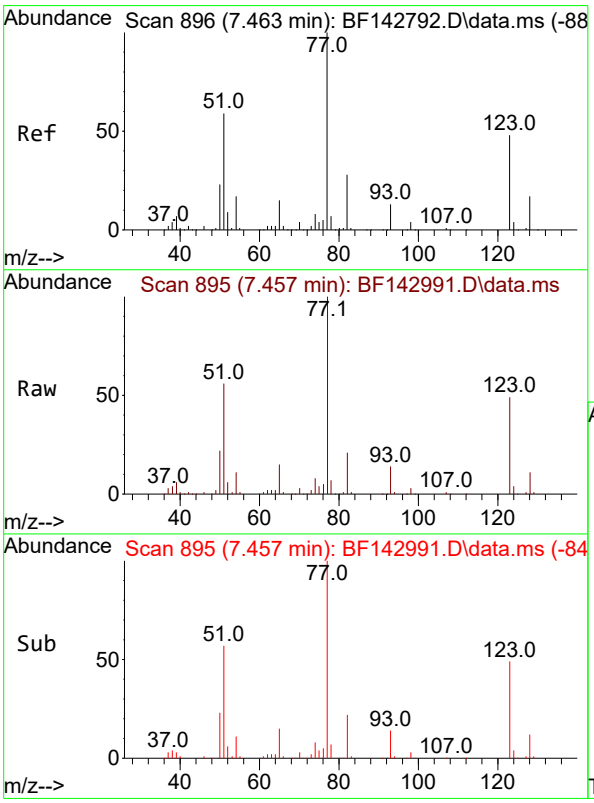
#23
Nitrobenzene-d5
Concen: 76.034 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion: 82 Resp: 335327

Ion	Ratio	Lower	Upper
82	100		
128	47.7	37.7	56.5
54	55.9	45.7	68.5

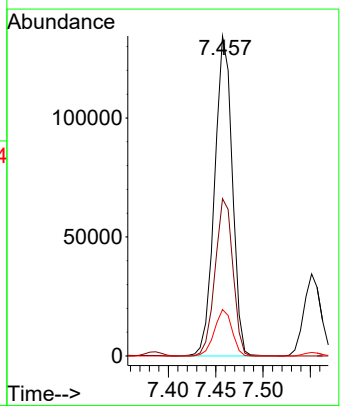


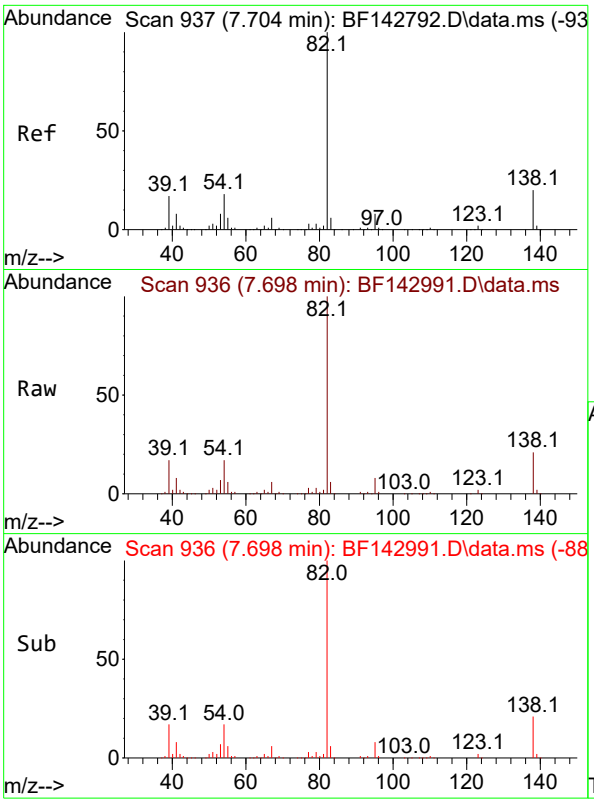


#24
Nitrobenzene
Concen: 43.729 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion: 77 Resp: 174550

Ion	Ratio	Lower	Upper
77	100		
123	49.1	39.2	58.8
65	14.5	11.6	17.4



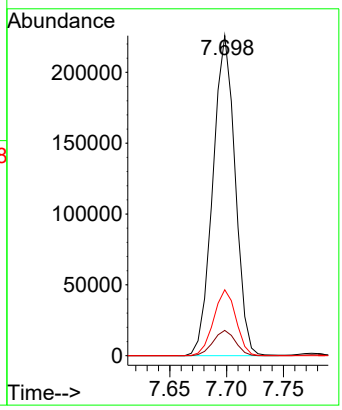


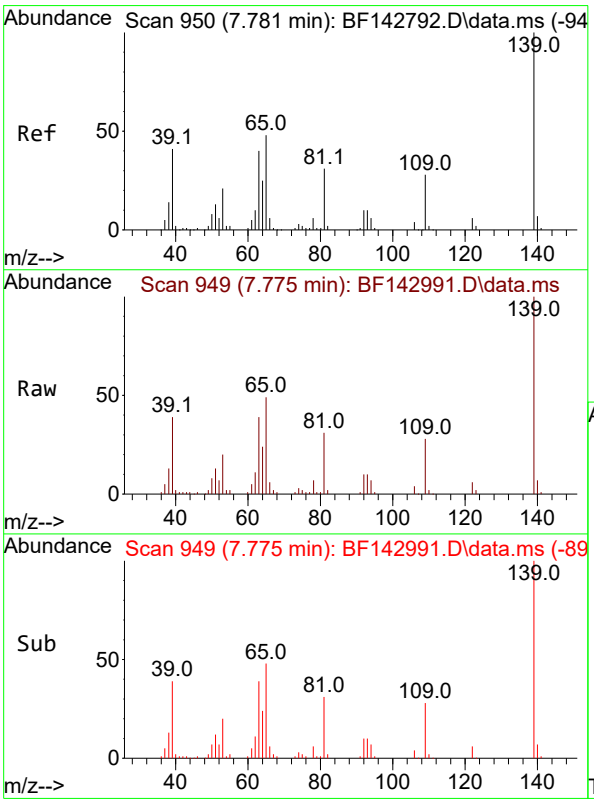
#25
Isophorone
Concen: 43.733 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion: 82 Resp: 309400

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.2	9.2
138	20.6	16.2	24.4

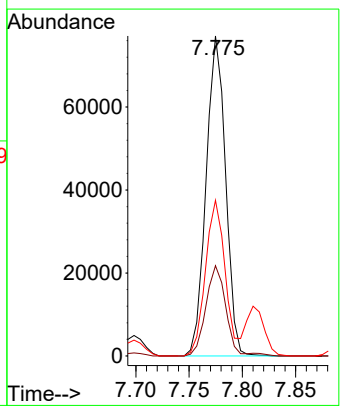


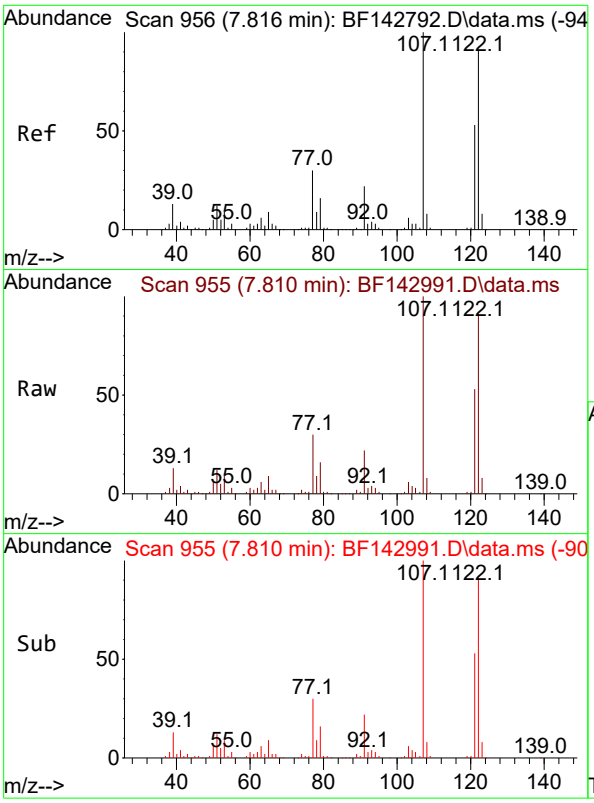


#26
2-Nitrophenol
Concen: 45.132 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:139 Resp: 98136

Ion	Ratio	Lower	Upper
139	100		
109	28.2	22.7	34.1
65	48.7	38.6	58.0



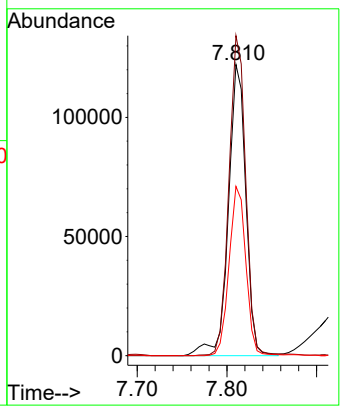


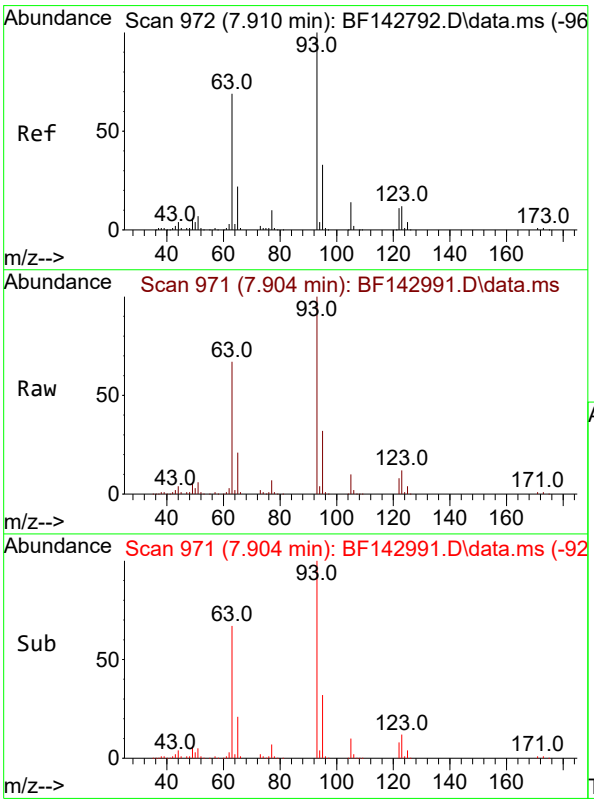
#27
2,4-Dimethylphenol
Concen: 43.725 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:122 Resp: 164690

Ion	Ratio	Lower	Upper
122	100		
107	109.9	88.0	132.0
121	58.1	46.3	69.5

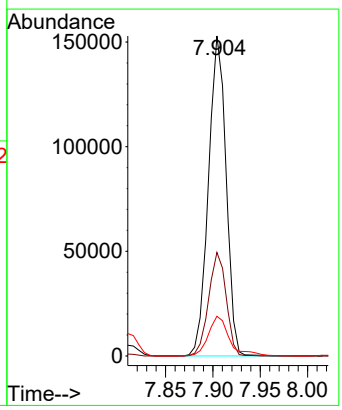


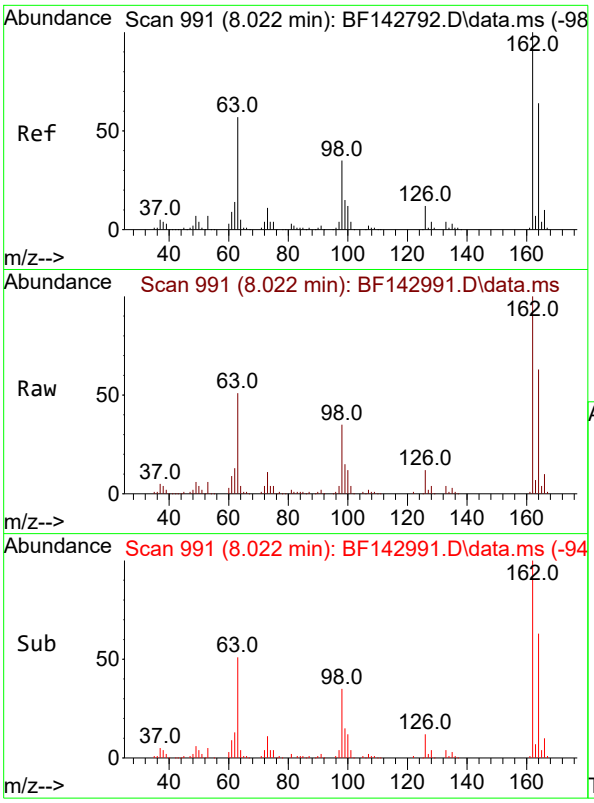


#28
bis(2-Chloroethoxy)methane
Concen: 43.931 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion: 93 Resp: 197590

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.2	39.2
123	12.4	9.9	14.9



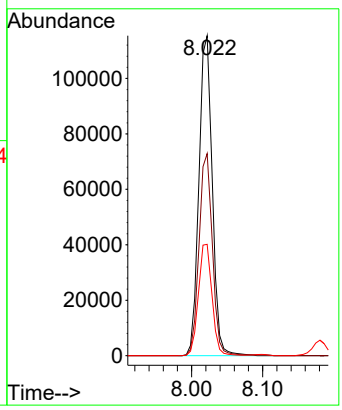


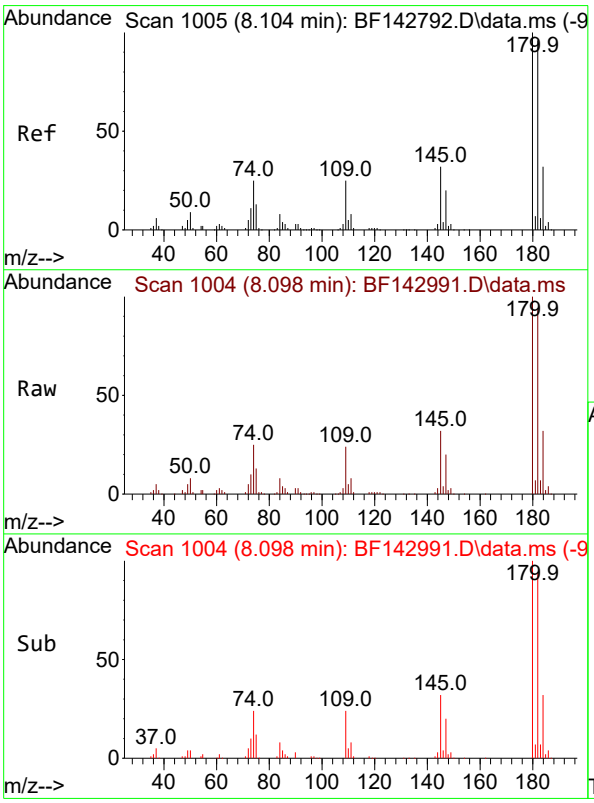
#29
2,4-Dichlorophenol
Concen: 44.362 ng
RT: 8.022 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:162 Resp: 151503

Ion	Ratio	Lower	Upper
162	100		
164	63.2	44.0	84.0
98	34.8	15.4	55.4

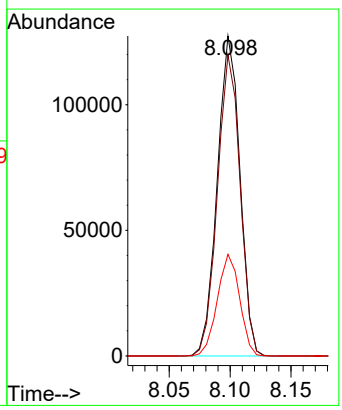


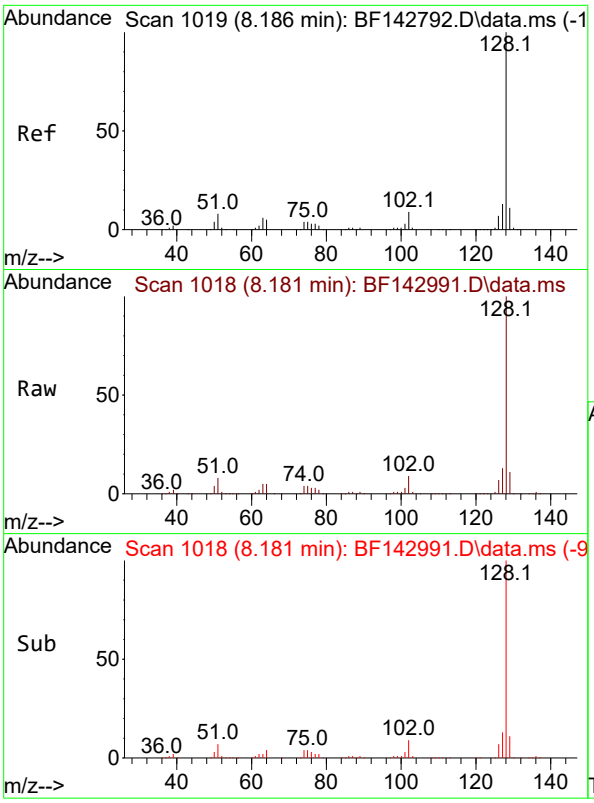


#30
1,2,4-Trichlorobenzene
Concen: 44.037 ng
RT: 8.098 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:180 Resp: 165372

Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.4	114.6
145	31.8	25.8	38.8



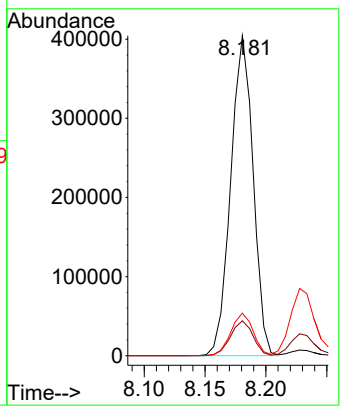


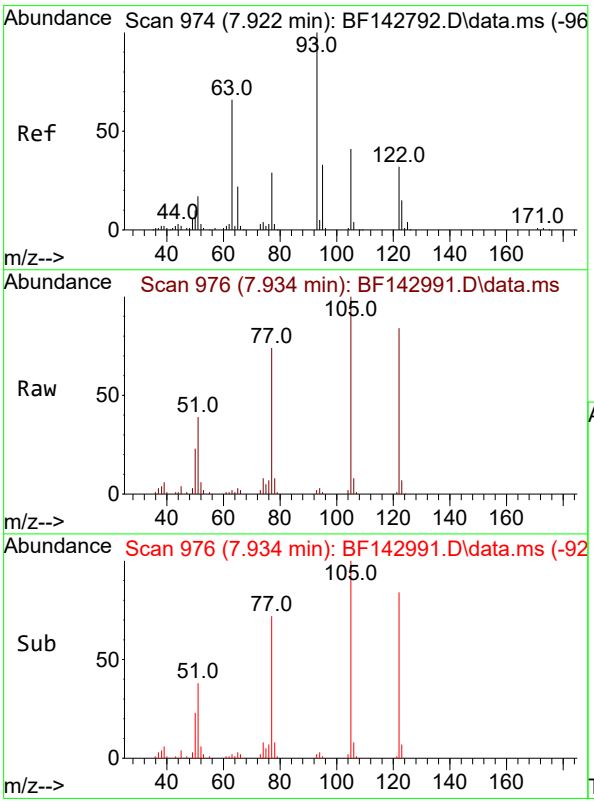
#31
Naphthalene
Concen: 43.692 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:128 Resp: 517343

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.3	10.4	15.6

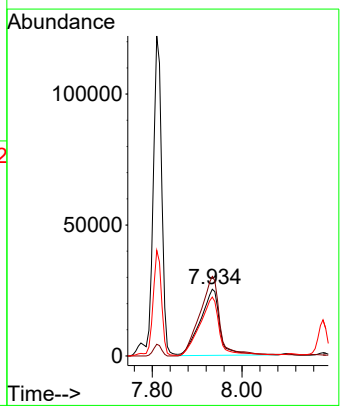


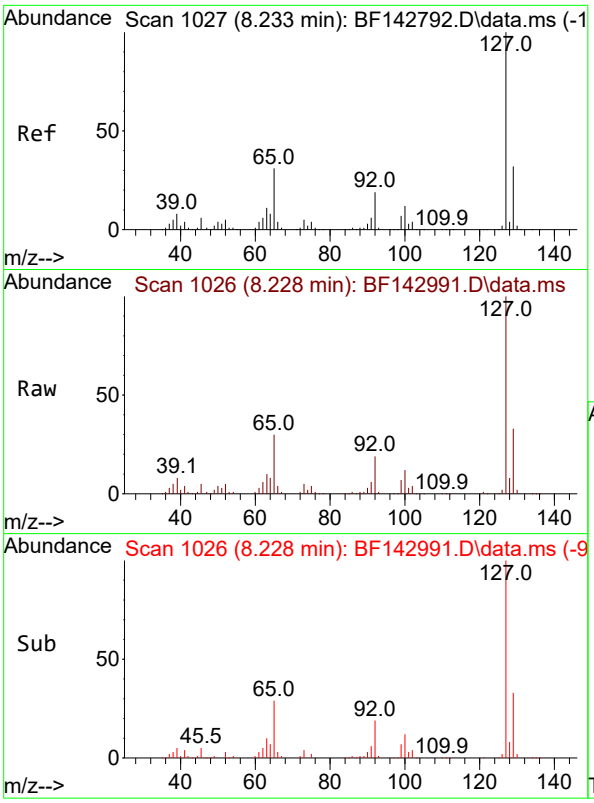


#32
Benzoic acid
Concen: 40.021 ng
RT: 7.934 min Scan# 976
Delta R.T. 0.012 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:122 Resp: 76830

Ion	Ratio	Lower	Upper
122	100		
105	119.3	104.7	144.7
77	88.2	70.2	110.2



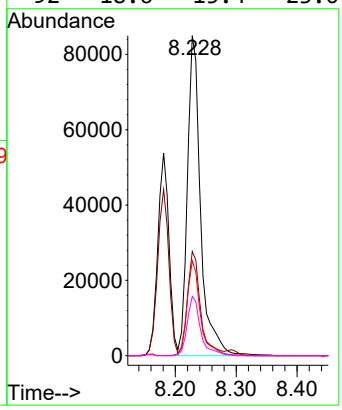


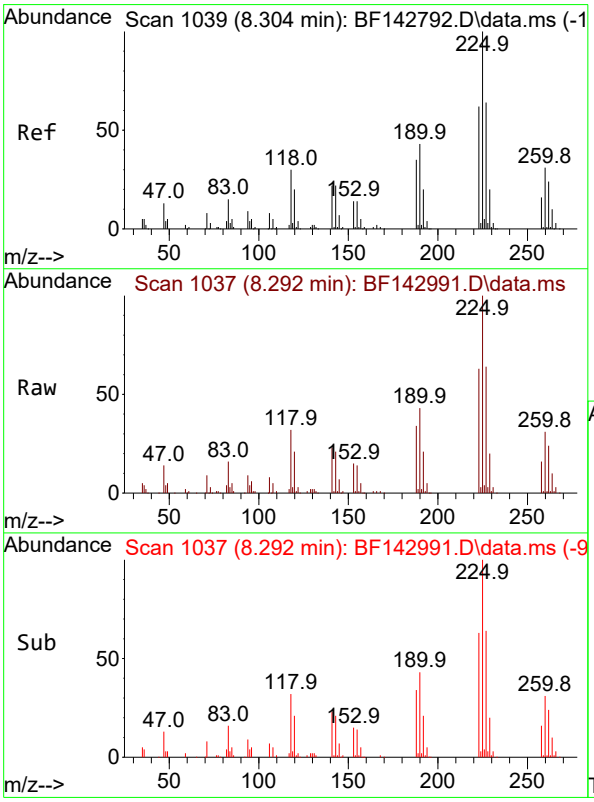
#33
4-Chloroaniline
Concen: 26.641 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:127 Resp: 128266

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.9	38.9
65	29.7	24.6	36.8
92	18.6	15.4	23.0

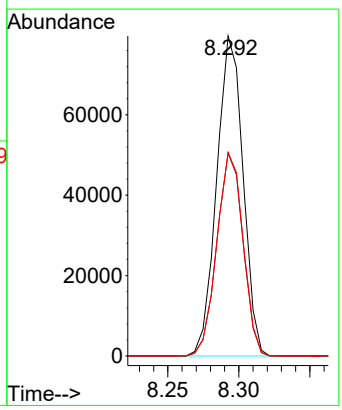


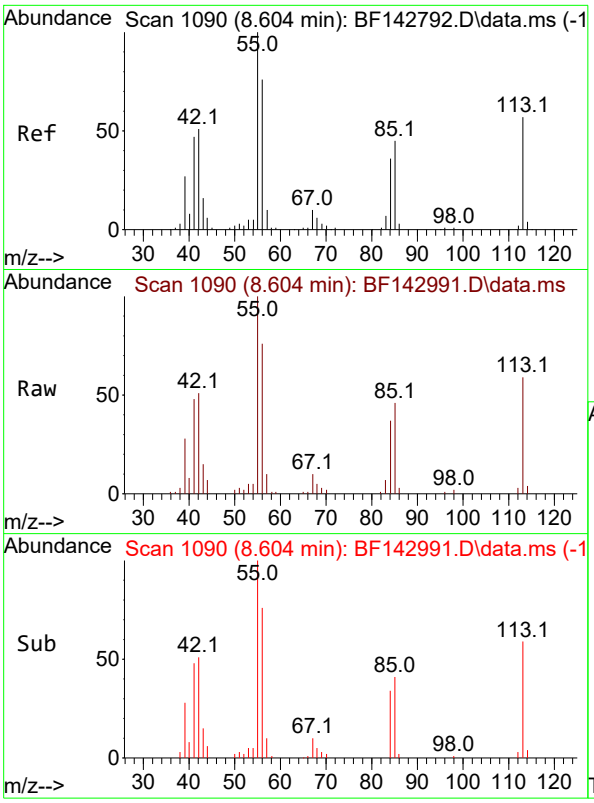


#34
Hexachlorobutadiene
Concen: 44.619 ng
RT: 8.292 min Scan# 1037
Delta R.T. -0.012 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:225 Resp: 102492

Ion	Ratio	Lower	Upper
225	100		
223	63.4	49.9	74.9
227	63.6	51.4	77.0



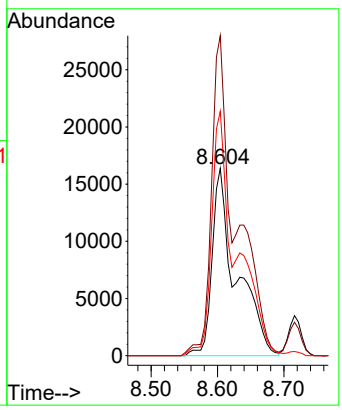


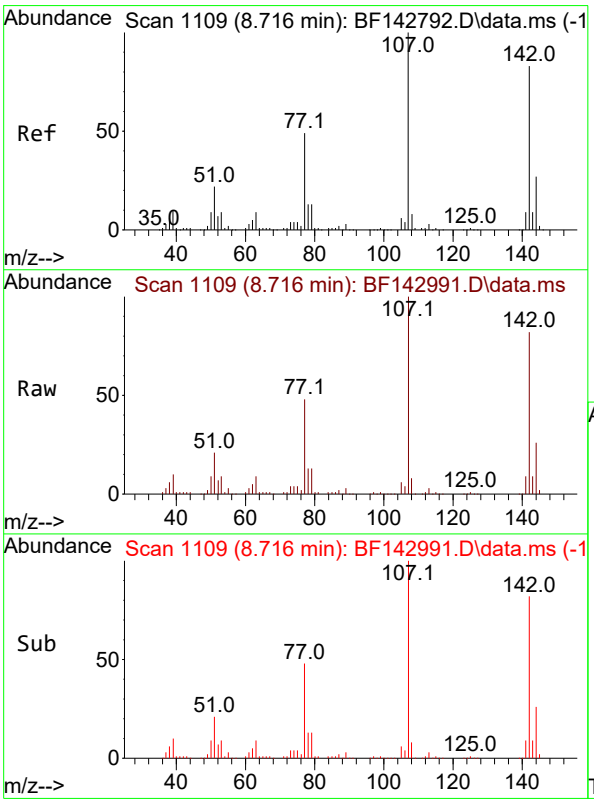
#35
Caprolactam
Concen: 46.048 ng m
RT: 8.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:113 Resp: 41498

Ion	Ratio	Lower	Upper
113	100		
55	170.9	154.4	194.4
56	130.6	112.1	152.1

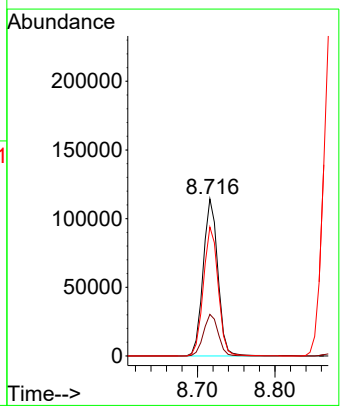


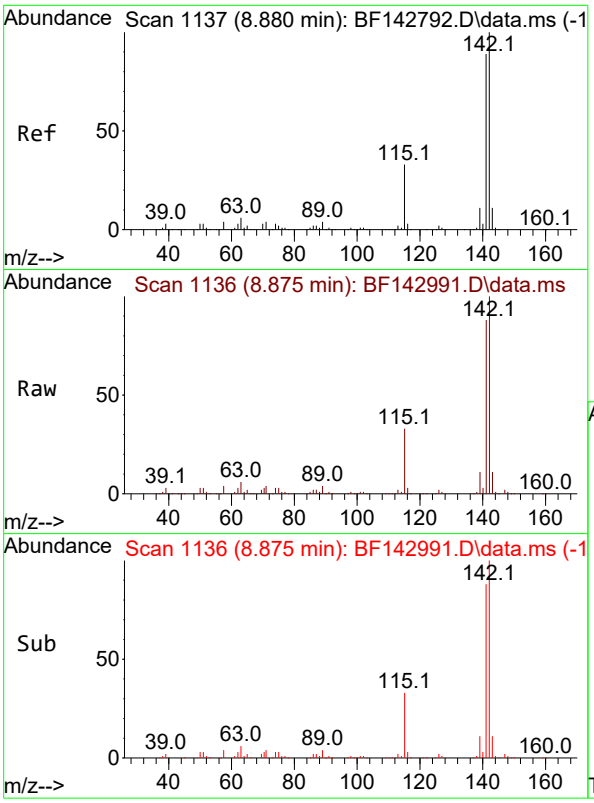


#36
4-Chloro-3-methylphenol
Concen: 44.503 ng
RT: 8.716 min Scan# 1109
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:107 Resp: 151048

Ion	Ratio	Lower	Upper
107	100		
144	26.5	21.3	31.9
142	82.1	66.6	100.0



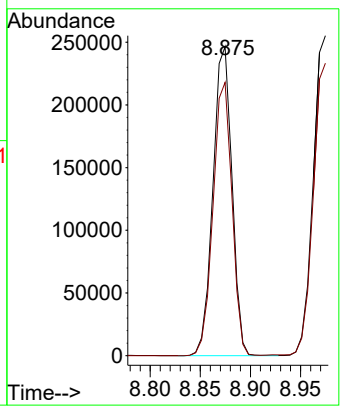


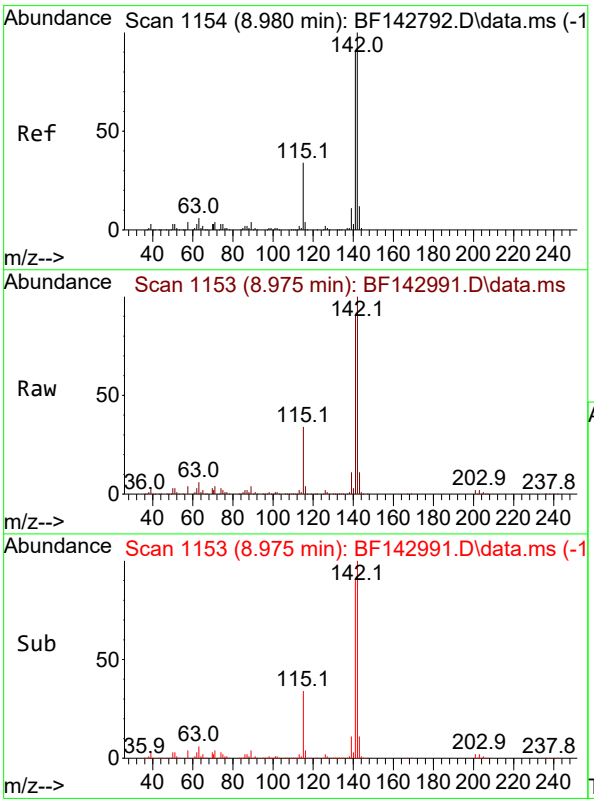
#37
2-Methylnaphthalene
Concen: 44.224 ng
RT: 8.875 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:142 Resp: 324645

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.9	106.3

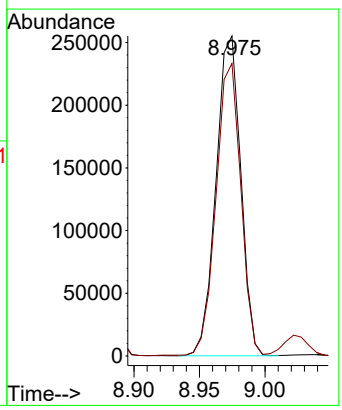


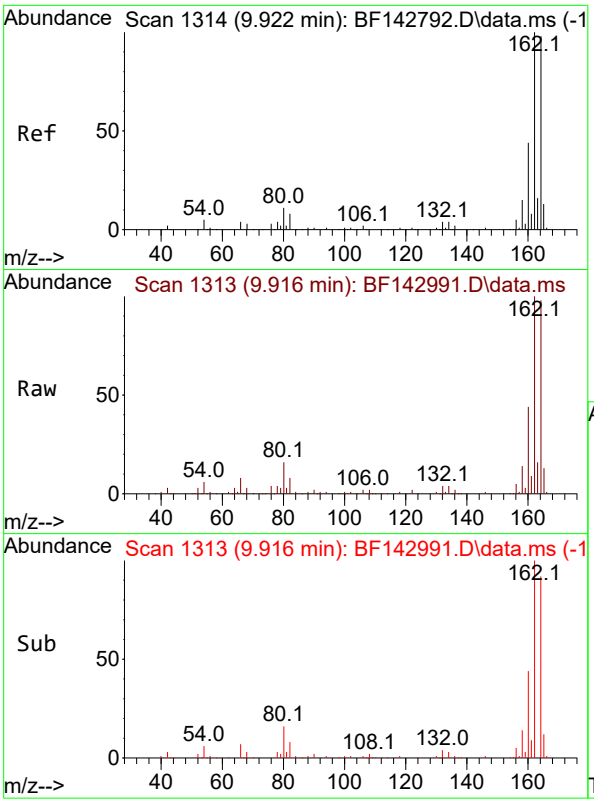


#38
1-Methylnaphthalene
Concen: 44.013 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:142 Resp: 334464

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.0	109.4



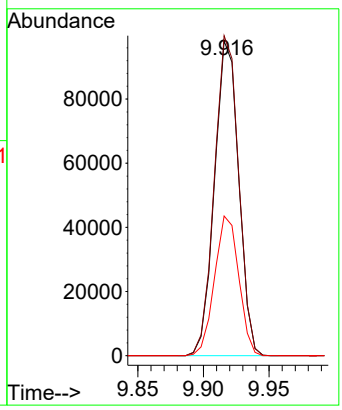


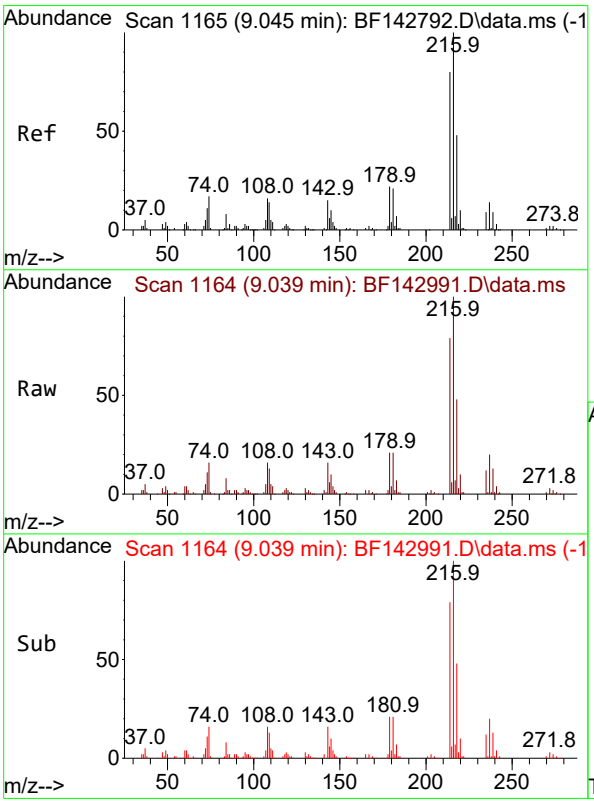
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:164 Resp: 125461

Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.8	122.8
160	44.4	36.0	54.0

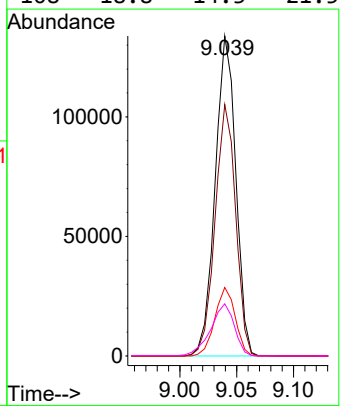


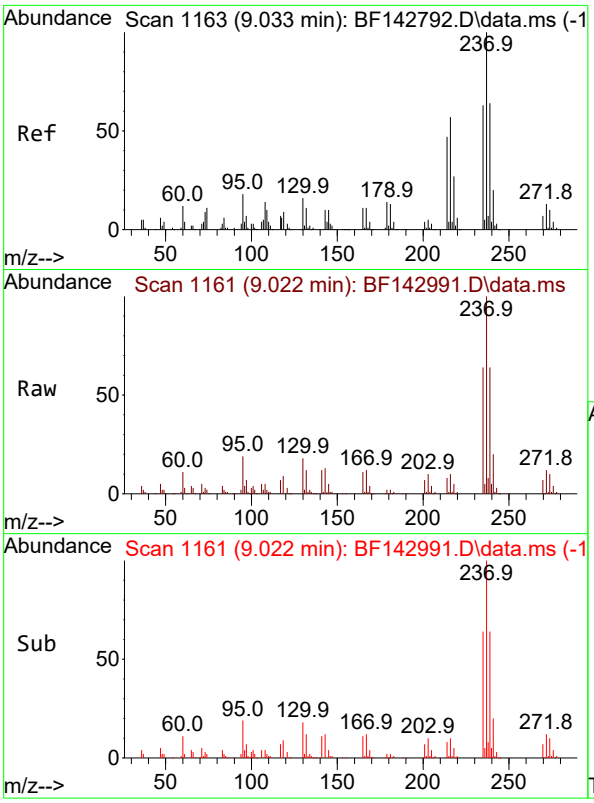


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.688 ng
RT: 9.039 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:216 Resp: 169134

Ion	Ratio	Lower	Upper
216	100		
214	78.4	63.7	95.5
179	21.1	17.6	26.4
108	18.8	14.3	21.5



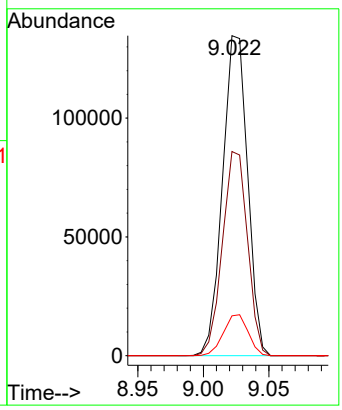


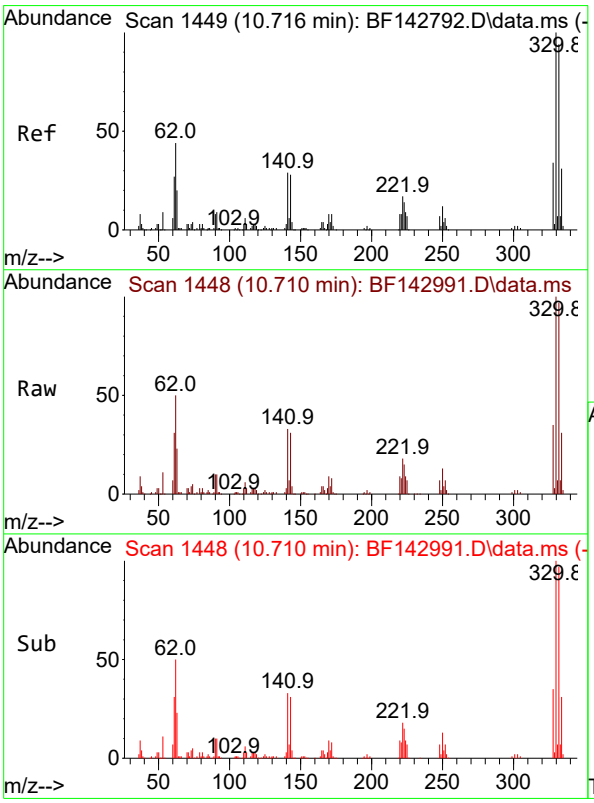
#41
Hexachlorocyclopentadiene
Concen: 85.198 ng
RT: 9.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:237 Resp: 178983

Ion	Ratio	Lower	Upper
237	100		
235	63.8	43.4	83.4
272	12.4	0.0	32.7

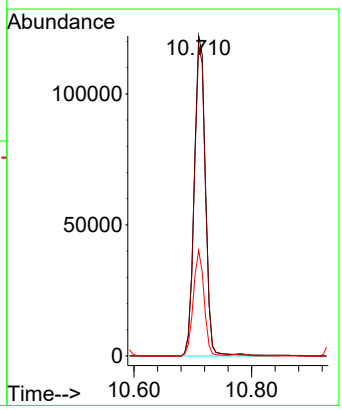


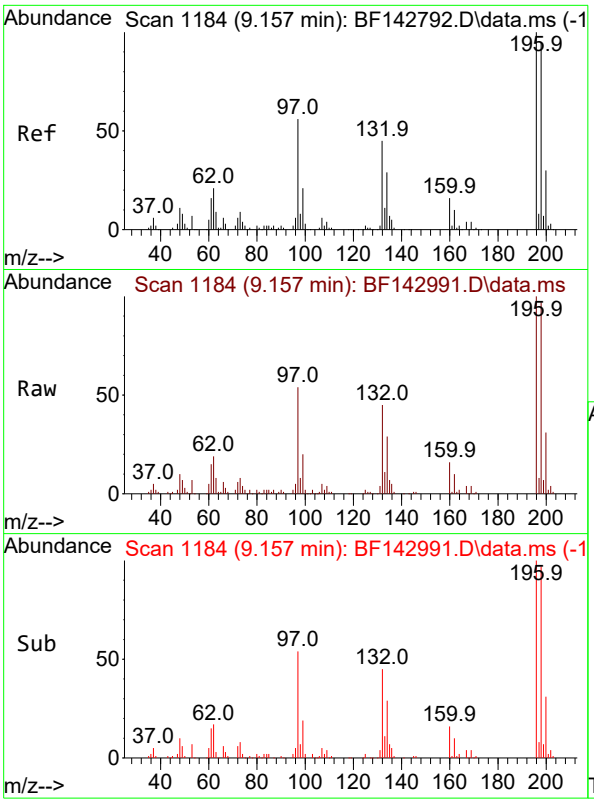


#42
2,4,6-Tribromophenol
Concen: 124.593 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:330 Resp: 160859

Ion	Ratio	Lower	Upper
330	100		
332	97.0	75.0	112.6
141	31.9	25.3	37.9



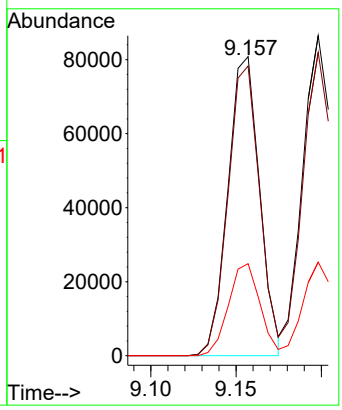


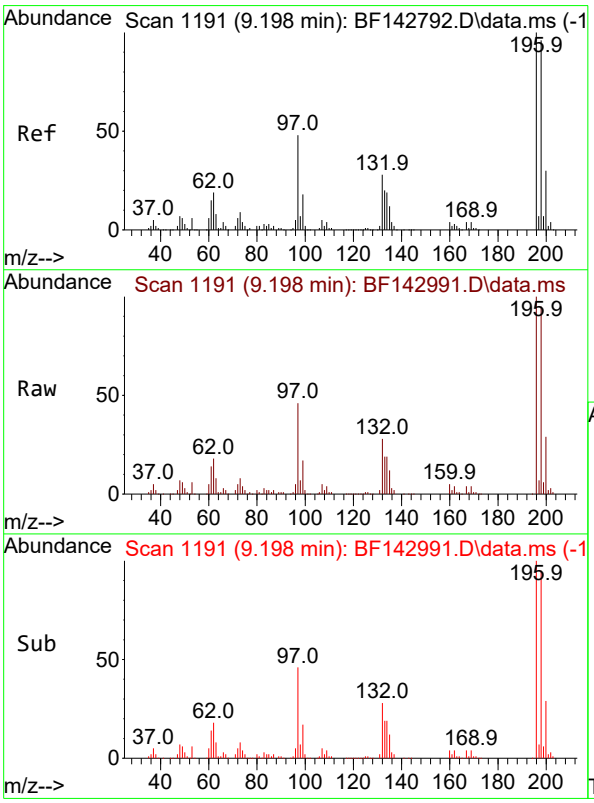
#43
2,4,6-Trichlorophenol
Concen: 43.508 ng
RT: 9.157 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:196 Resp: 104953

Ion	Ratio	Lower	Upper
196	100		
198	96.9	76.2	114.2
200	30.8	24.1	36.1

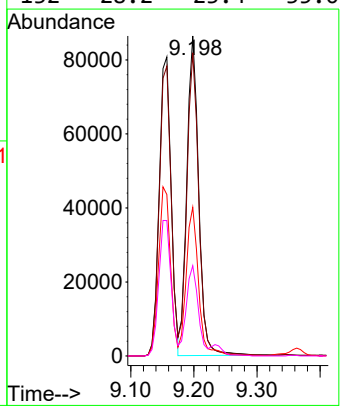


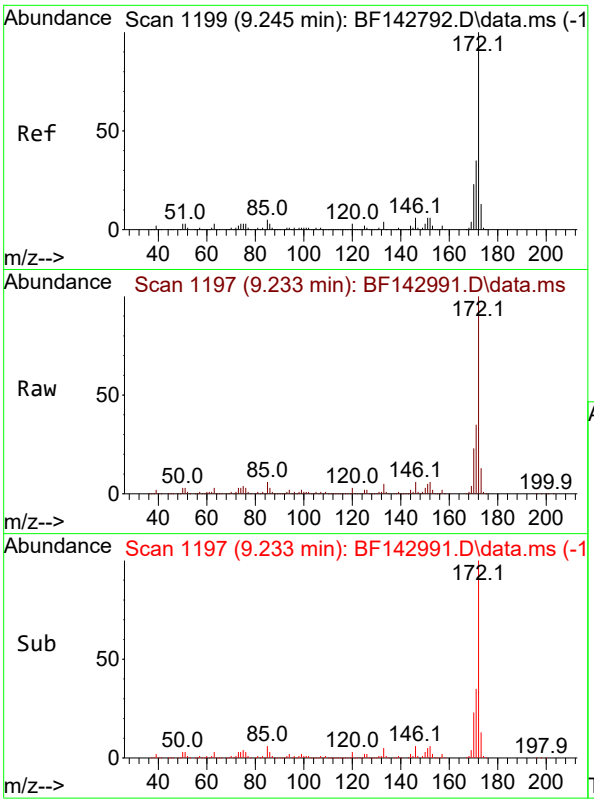


#44
2,4,5-Trichlorophenol
Concen: 44.795 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:196 Resp: 113751

Ion	Ratio	Lower	Upper
196	100		
198	94.7	76.6	115.0
97	46.4	38.2	57.2
132	28.2	23.4	35.0



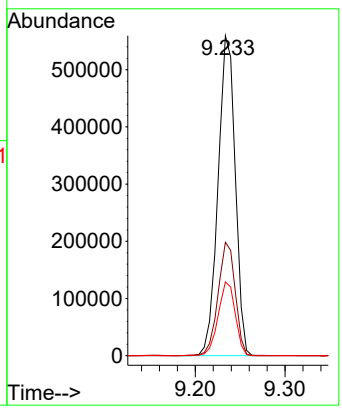


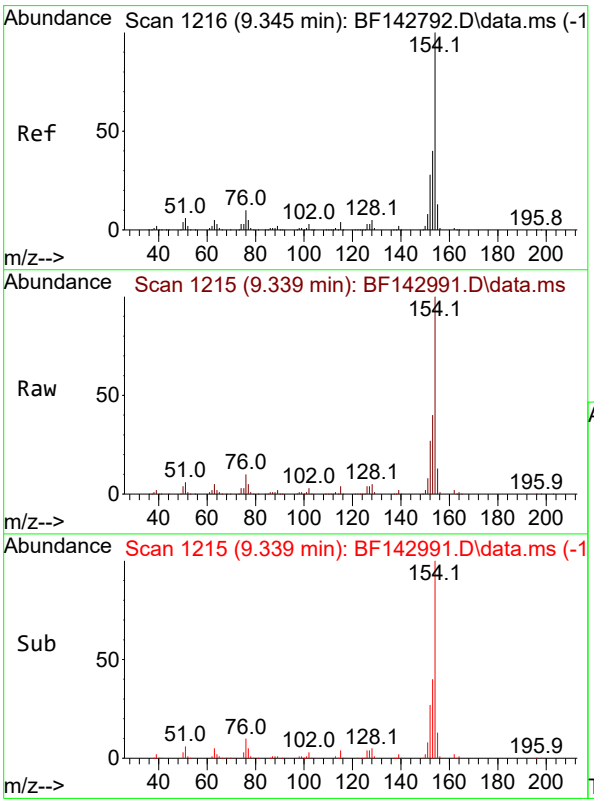
#45
2-Fluorobiphenyl
Concen: 77.964 ng
RT: 9.233 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:172 Resp: 744584

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.4
170	23.0	18.5	27.7

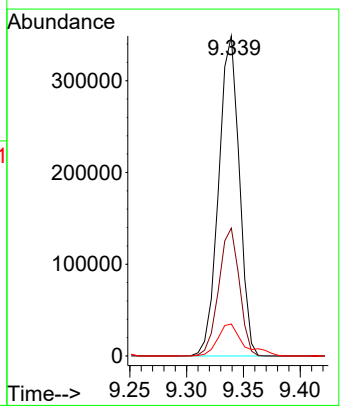


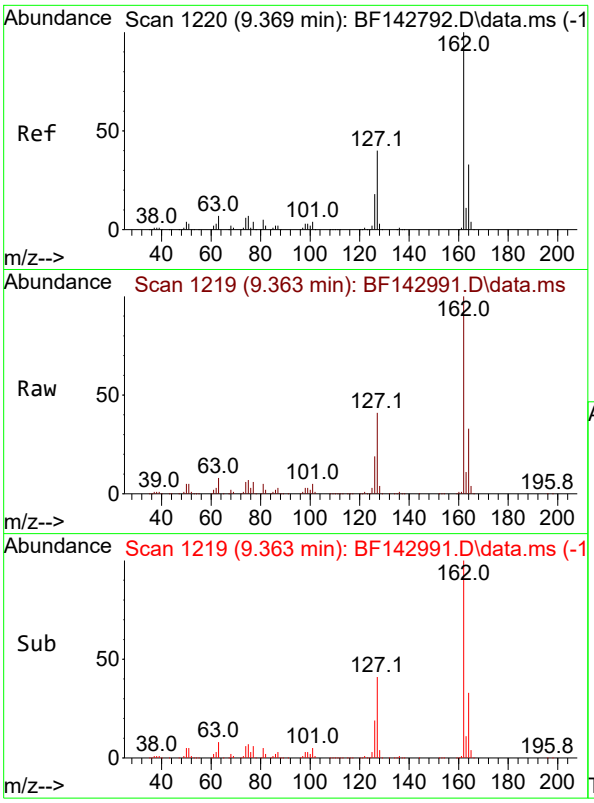


#46
1,1'-Biphenyl
Concen: 44.531 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:154 Resp: 441338

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.3	60.3
76	10.0	0.0	30.3



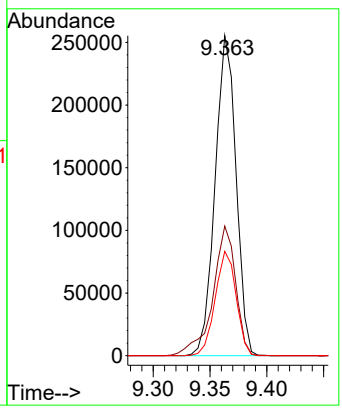


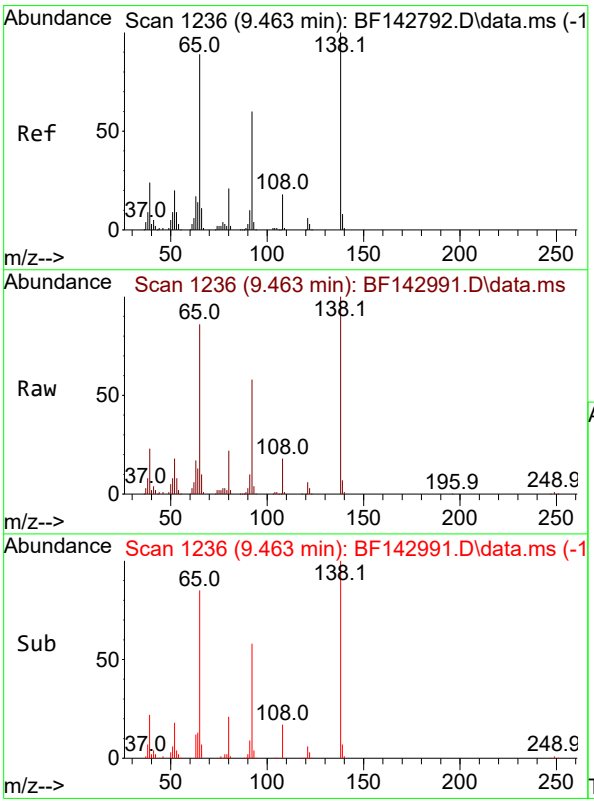
#47
2-Chloronaphthalene
Concen: 44.089 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:162 Resp: 327905

Ion	Ratio	Lower	Upper
162	100		
127	40.5	32.2	48.2
164	32.6	26.1	39.1

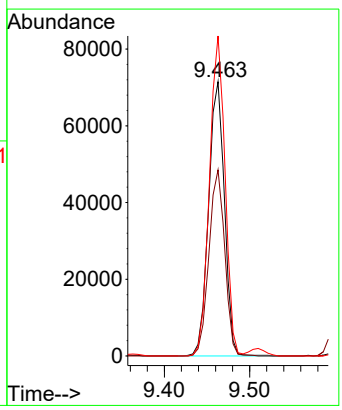


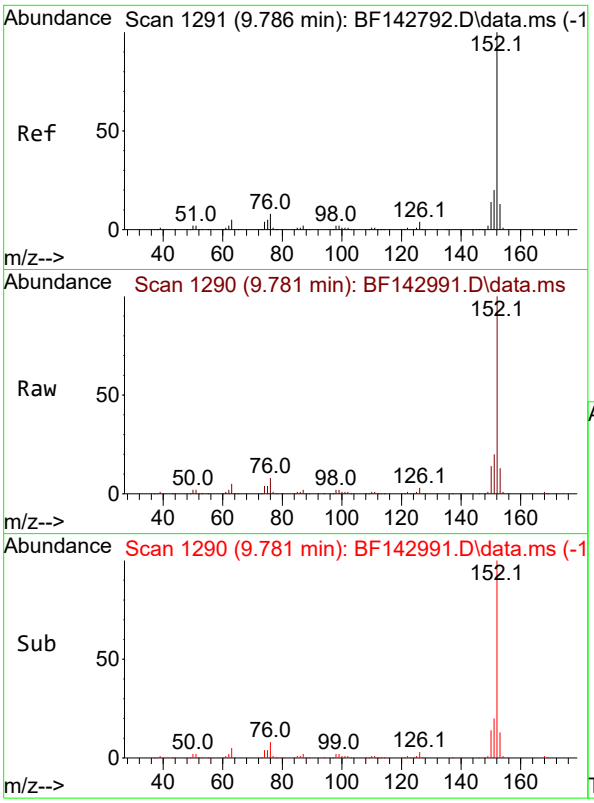


#48
2-Nitroaniline
Concen: 44.298 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion: 65 Resp: 92365

Ion	Ratio	Lower	Upper
65	100		
92	67.9	53.8	80.6
138	116.7	89.6	134.4



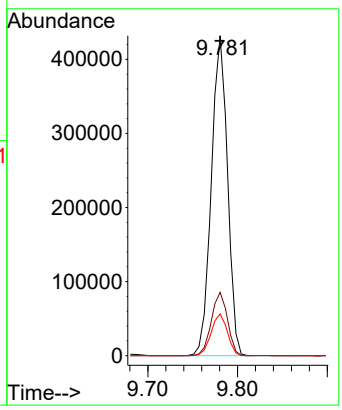


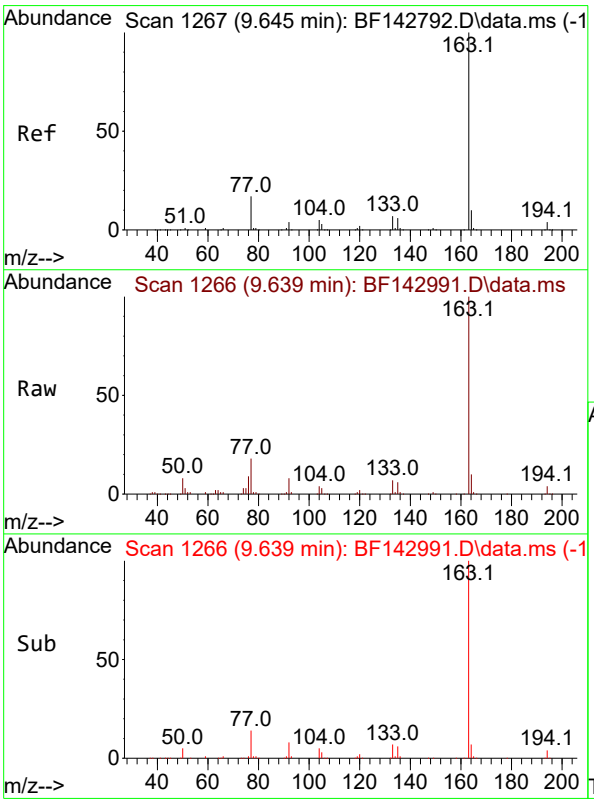
#49
Acenaphthylene
Concen: 44.081 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:152 Resp: 539706

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.1	24.1
153	13.1	10.4	15.6

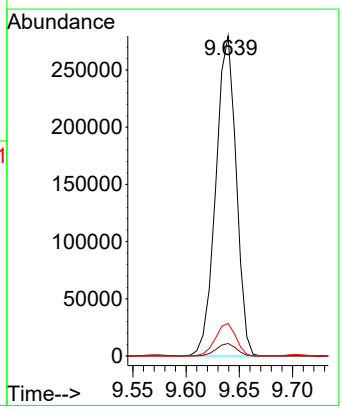


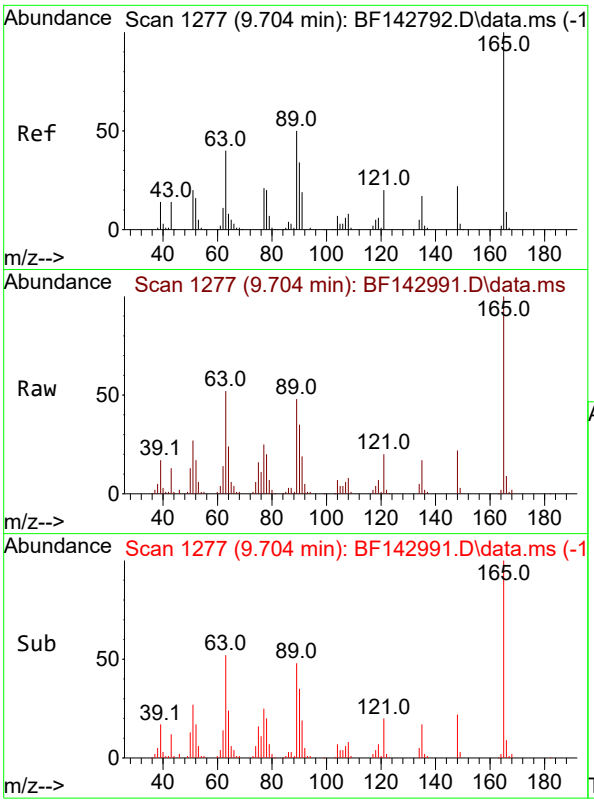


#50
Dimethylphthalate
Concen: 45.716 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:163 Resp: 371267

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.2	8.0	12.0



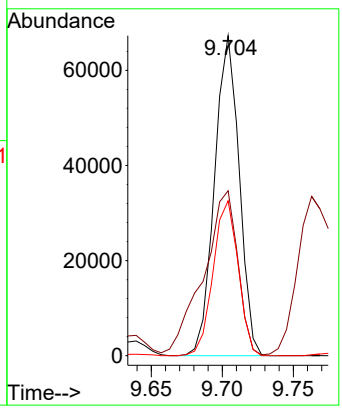


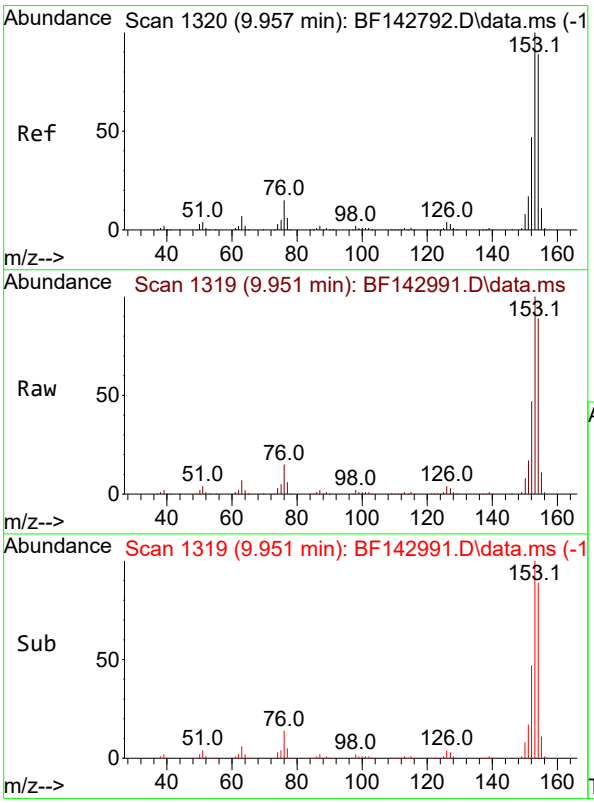
#51
2,6-Dinitrotoluene
Concen: 45.538 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:165 Resp: 81216

Ion	Ratio	Lower	Upper
165	100		
63	51.6	44.2	66.4
89	48.4	39.8	59.8

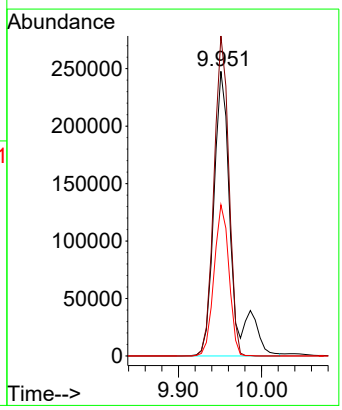


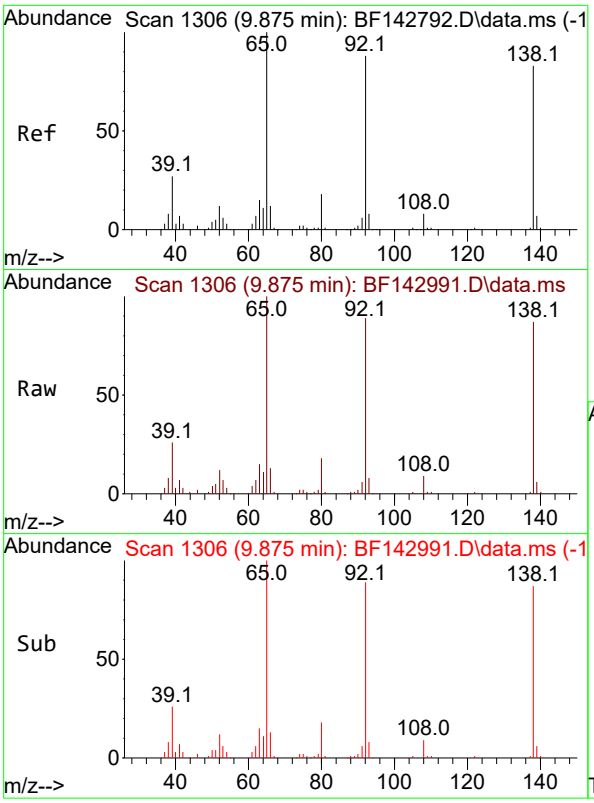


#52
Acenaphthene
Concen: 48.375 ng m
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:154 Resp: 361360

Ion	Ratio	Lower	Upper
154	100		
153	112.4	90.0	135.0
152	53.1	41.9	62.9



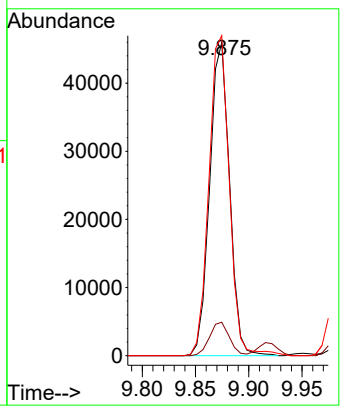


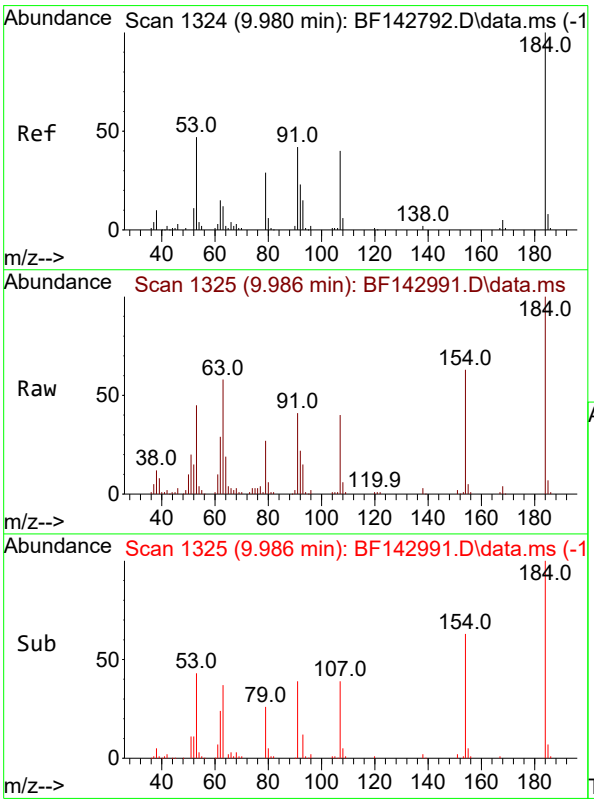
#53
3-Nitroaniline
Concen: 30.355 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:138 Resp: 59605

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.1	12.1
92	102.2	85.1	127.7

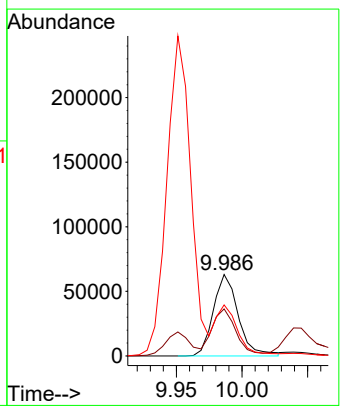


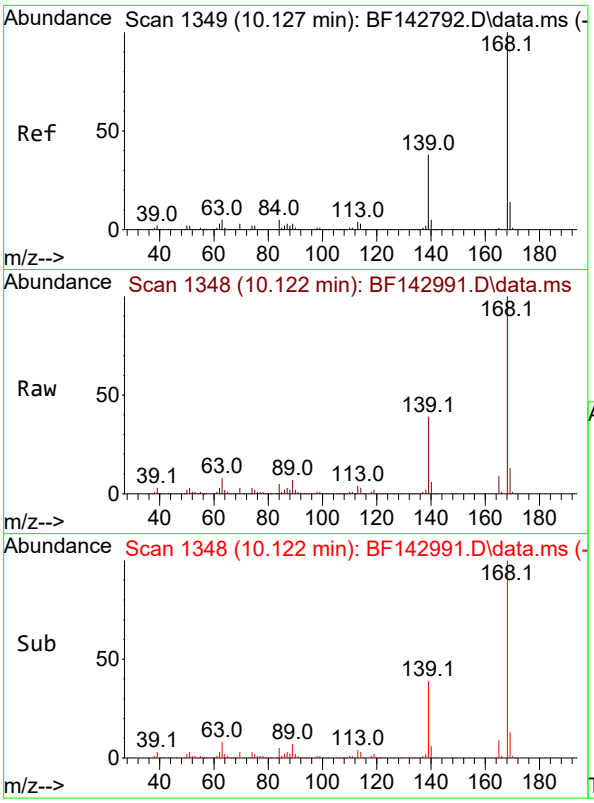


#54
2,4-Dinitrophenol
Concen: 93.393 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:184 Resp: 83402

Ion	Ratio	Lower	Upper
184	100		
63	57.9	50.6	75.8
154	62.7	51.8	77.8



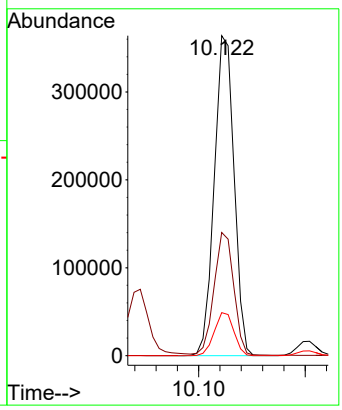


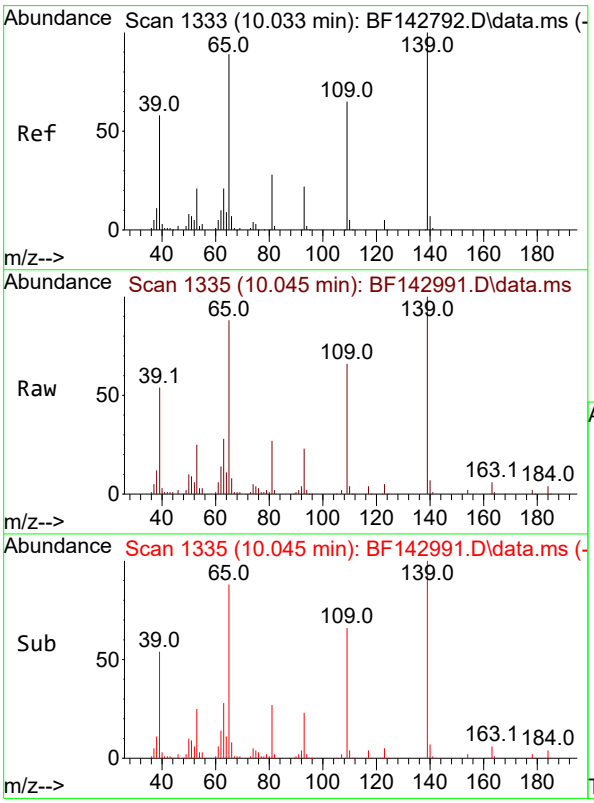
#55
Dibenzofuran
Concen: 43.757 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:168 Resp: 468717

Ion	Ratio	Lower	Upper
168	100		
139	38.5	30.2	45.4
169	13.4	10.8	16.2

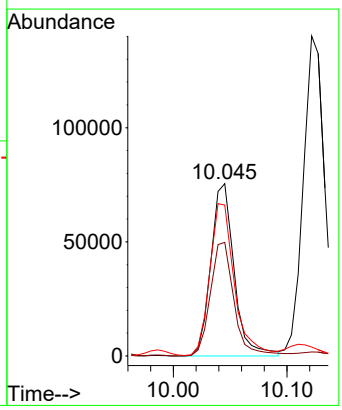


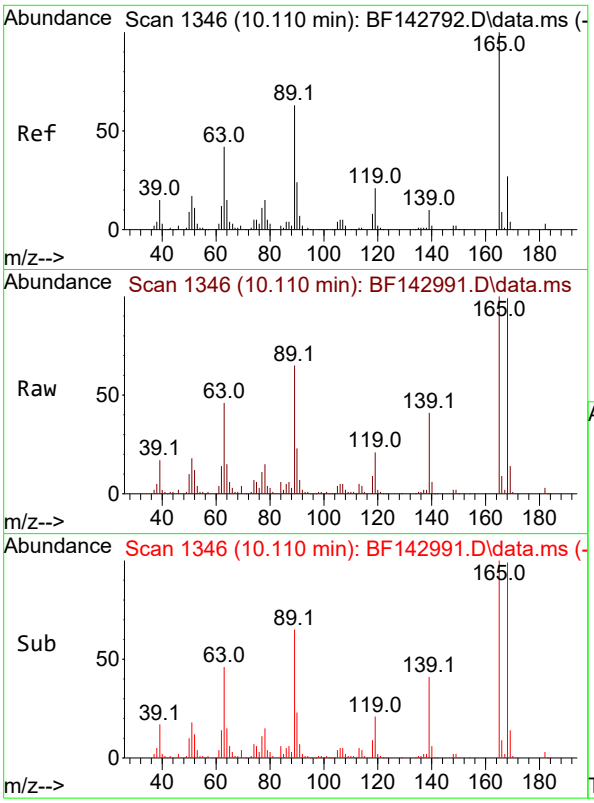


#56
4-Nitrophenol
Concen: 80.024 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.012 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:139 Resp: 107577

Ion	Ratio	Lower	Upper
139	100		
109	65.9	44.7	84.7
65	87.6	69.8	109.8



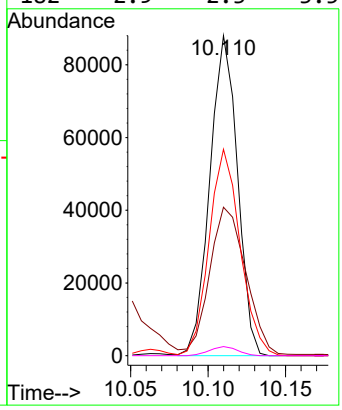


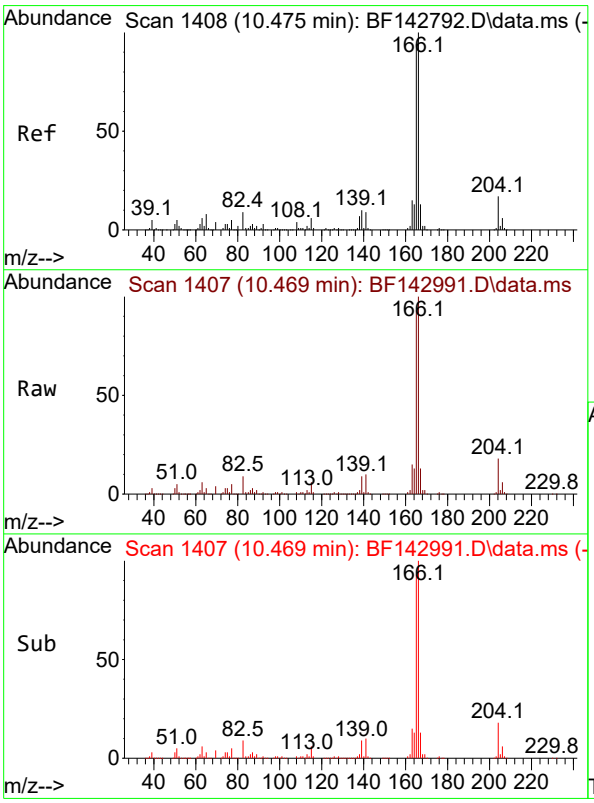
#57
2,4-Dinitrotoluene
Concen: 46.088 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:165 Resp: 109182

Ion	Ratio	Lower	Upper
165	100		
63	46.4	33.9	50.9
89	64.5	50.6	75.8
182	2.9	2.3	3.5

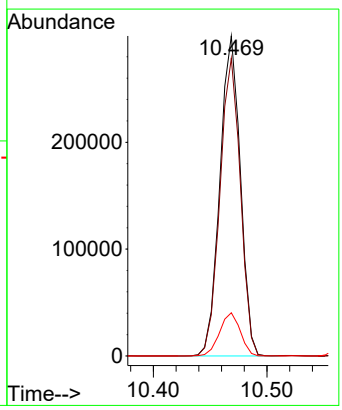


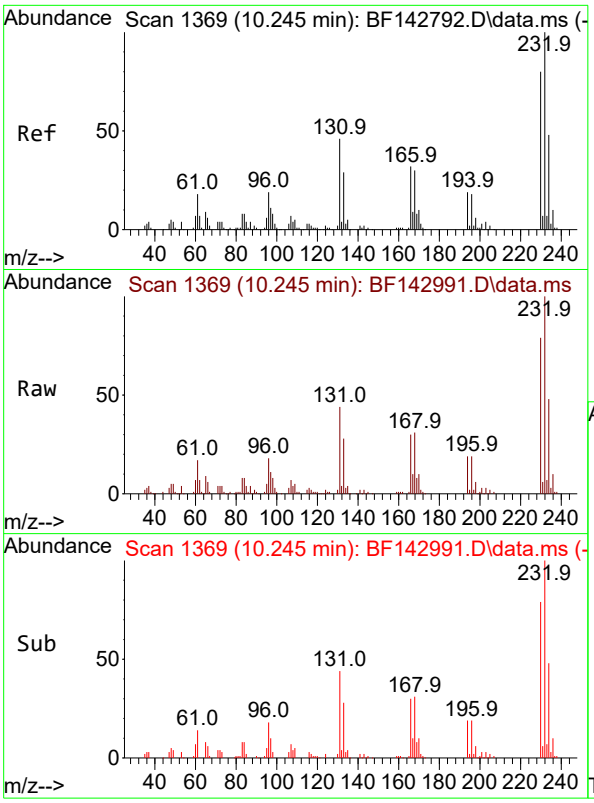


#58
Fluorene
Concen: 44.791 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:166 Resp: 374712

Ion	Ratio	Lower	Upper
166	100		
165	93.0	75.2	112.8
167	13.5	10.6	15.8



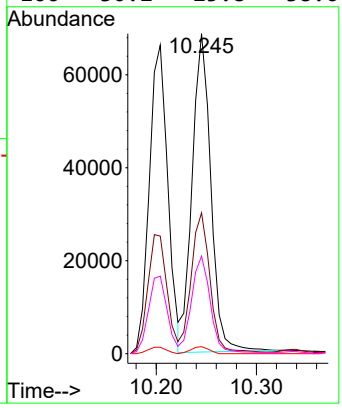


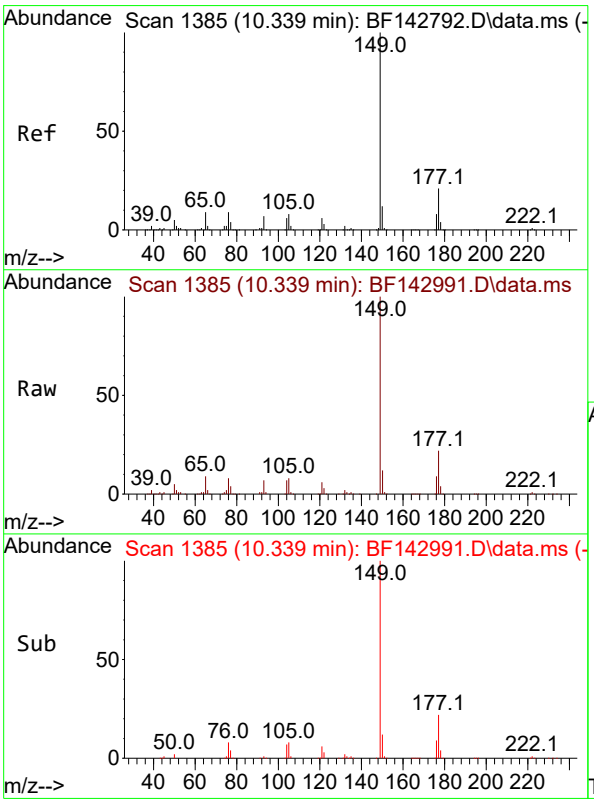
#59
2,3,4,6-Tetrachlorophenol
Concen: 43.272 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:232 Resp: 88572

Ion	Ratio	Lower	Upper
232	100		
131	44.8	37.6	56.4
130	2.1	1.7	2.5
166	30.2	25.8	38.6

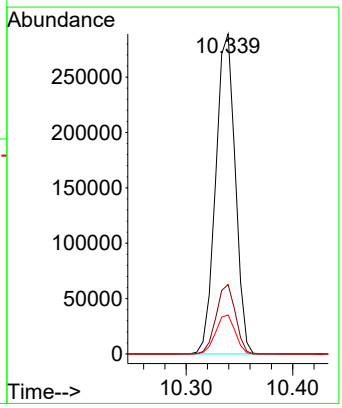


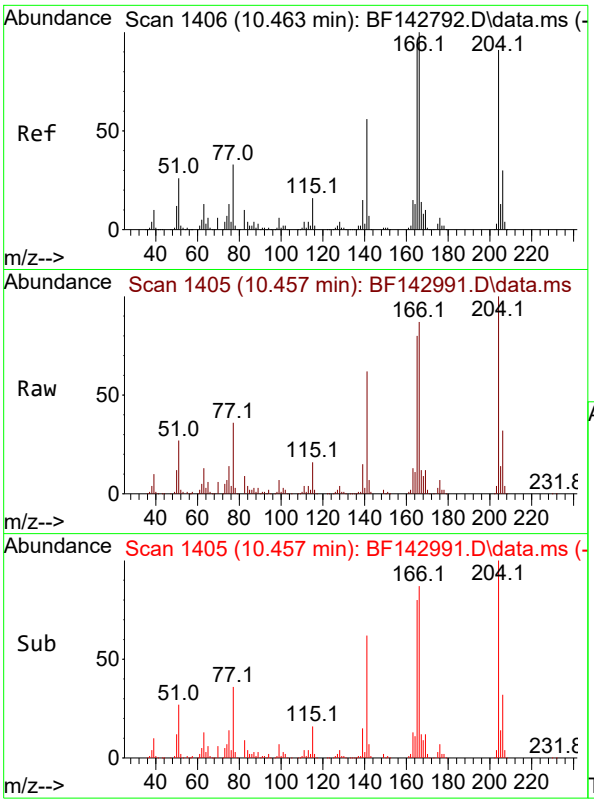


#60
Diethylphthalate
Concen: 46.126 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:149 Resp: 367284

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.0	25.6
150	12.2	9.8	14.6



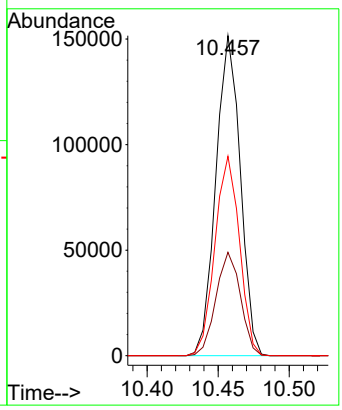


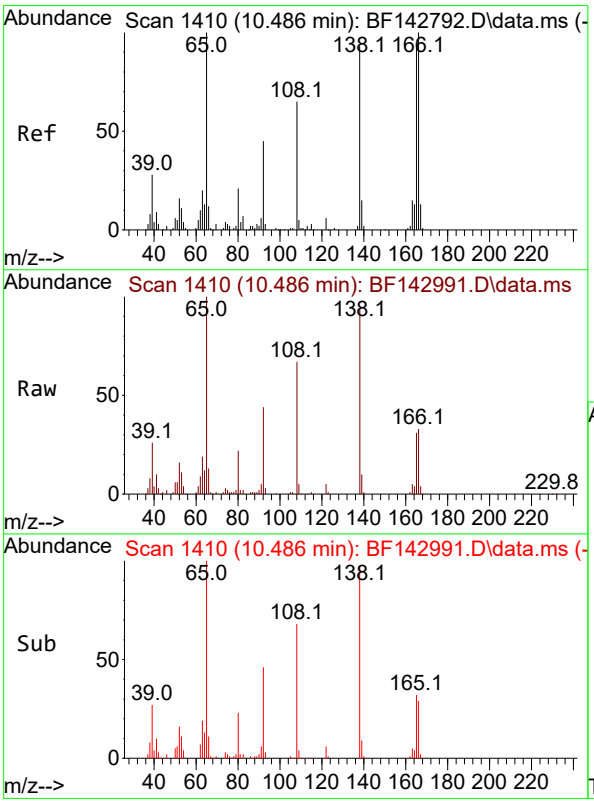
#61
4-Chlorophenyl-phenylether
Concen: 45.431 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:204 Resp: 181362

Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.3	39.5
141	62.3	49.1	73.7

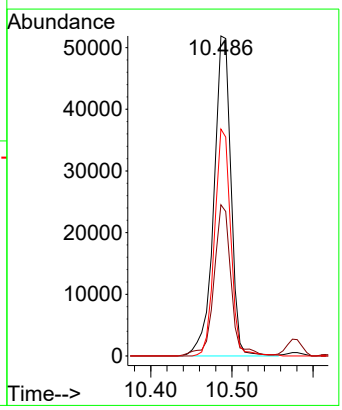


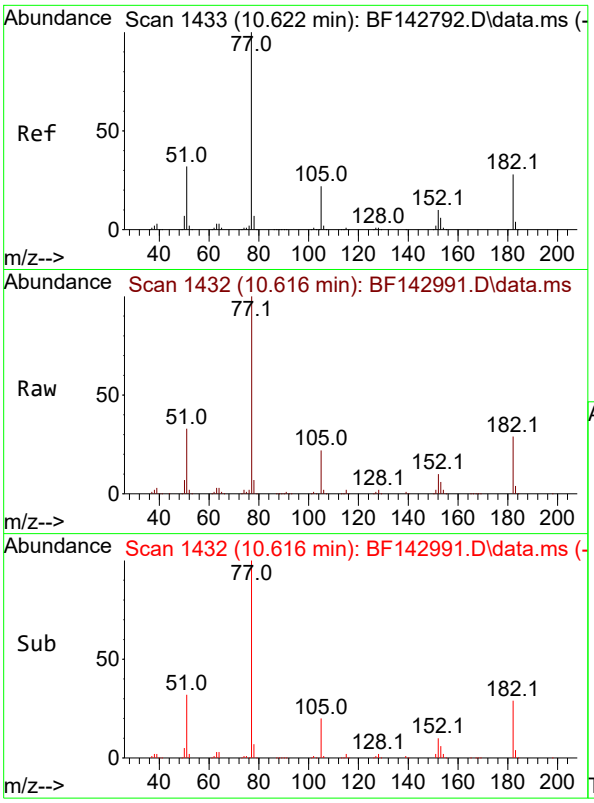


#62
4-Nitroaniline
Concen: 42.321 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:138 Resp: 76004

Ion	Ratio	Lower	Upper
138	100		
92	47.3	28.4	68.4
108	70.9	50.2	90.2



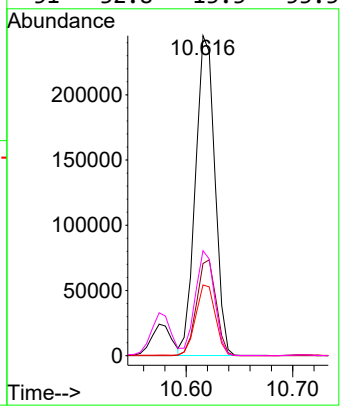


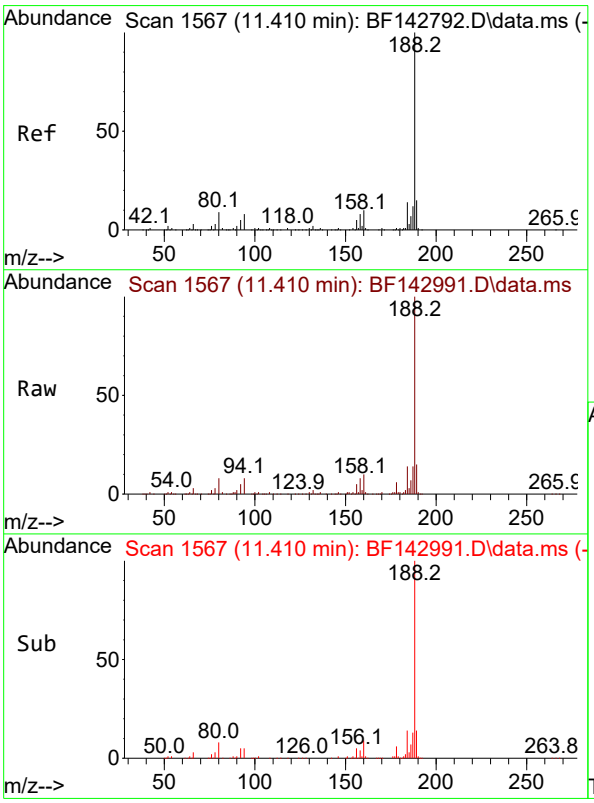
#63
Azobenzene
Concen: 43.768 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion: 77 Resp: 311484

Ion	Ratio	Lower	Upper
77	100		
182	28.8	7.7	47.7
105	22.1	1.9	41.9
51	32.8	13.3	53.3

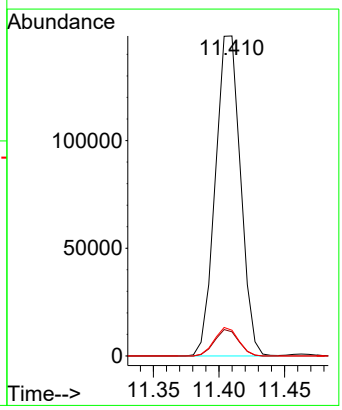


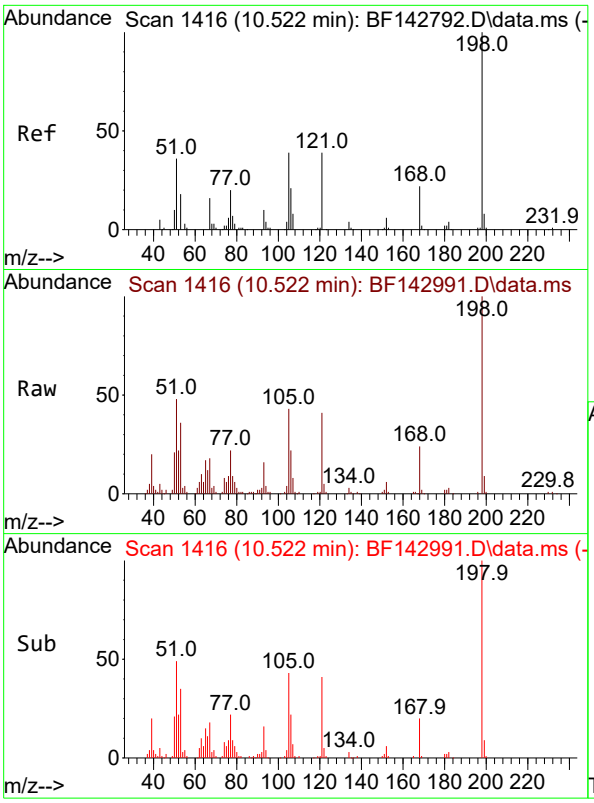


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:188 Resp: 198063

Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.7	10.1
80	8.1	6.9	10.3



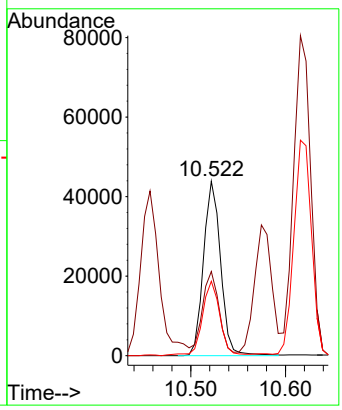


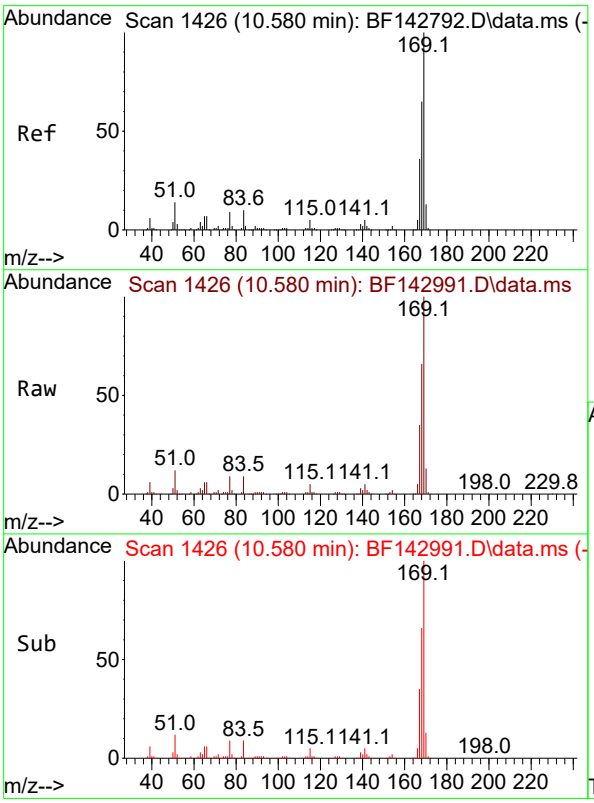
#65
4,6-Dinitro-2-methylphenol
Concen: 46.175 ng
RT: 10.522 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:198 Resp: 55318

Ion	Ratio	Lower	Upper
198	100		
51	48.3	25.4	65.4
105	42.7	20.4	60.4

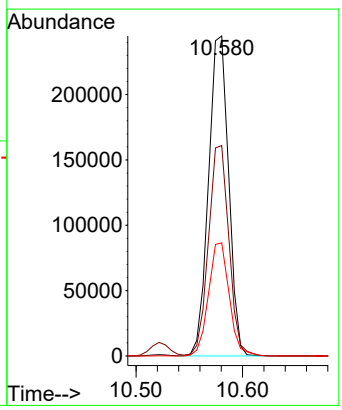


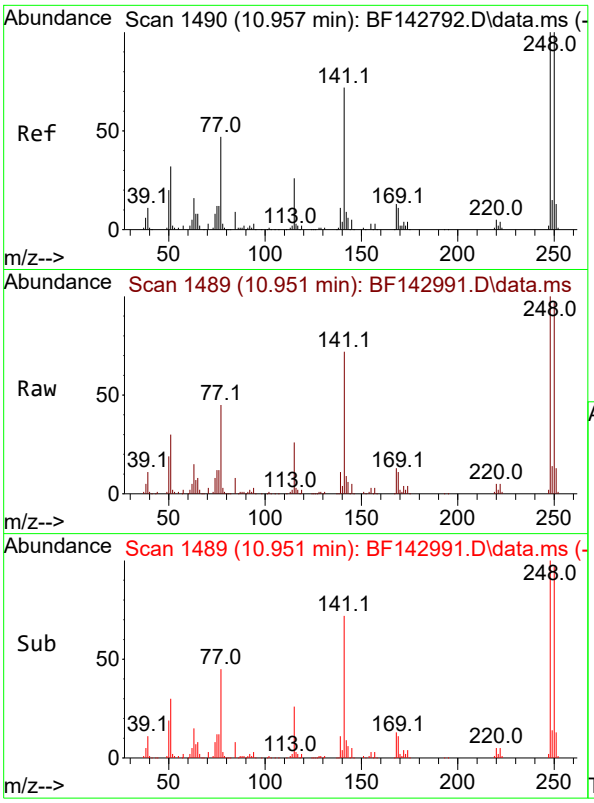


#66
n-Nitrosodiphenylamine
Concen: 46.632 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:169 Resp: 320102

Ion	Ratio	Lower	Upper
169	100		
168	65.7	51.9	77.9
167	35.3	28.5	42.7



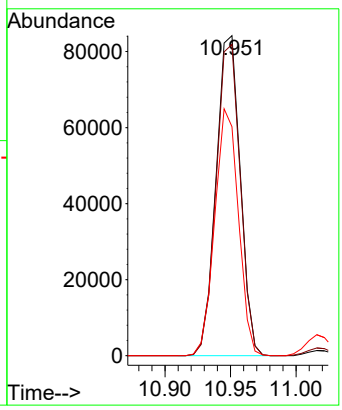


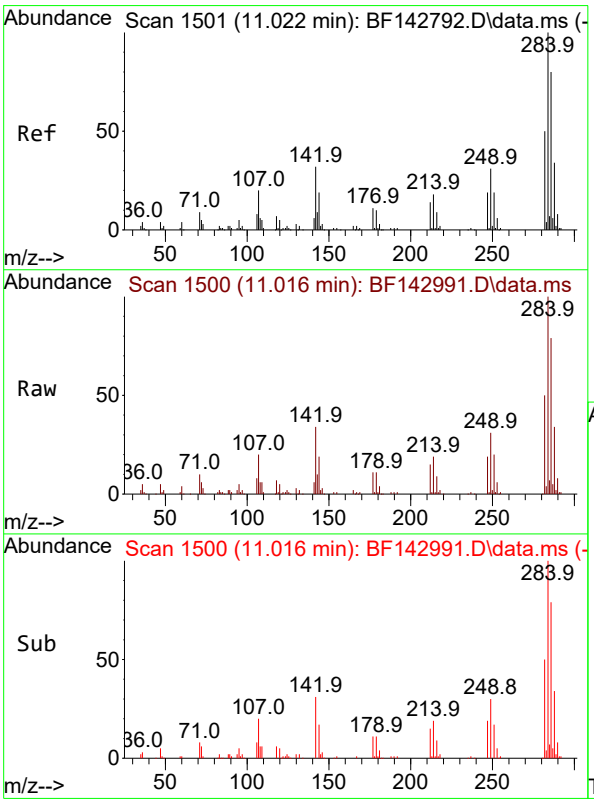
#67
4-Bromophenyl-phenylether
Concen: 47.923 ng
RT: 10.951 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:248 Resp: 108026

Ion	Ratio	Lower	Upper
248	100		
250	97.3	79.8	119.8
141	71.6	57.8	86.6

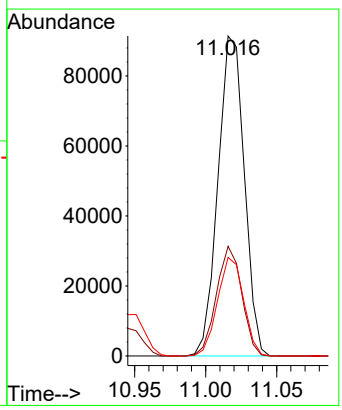


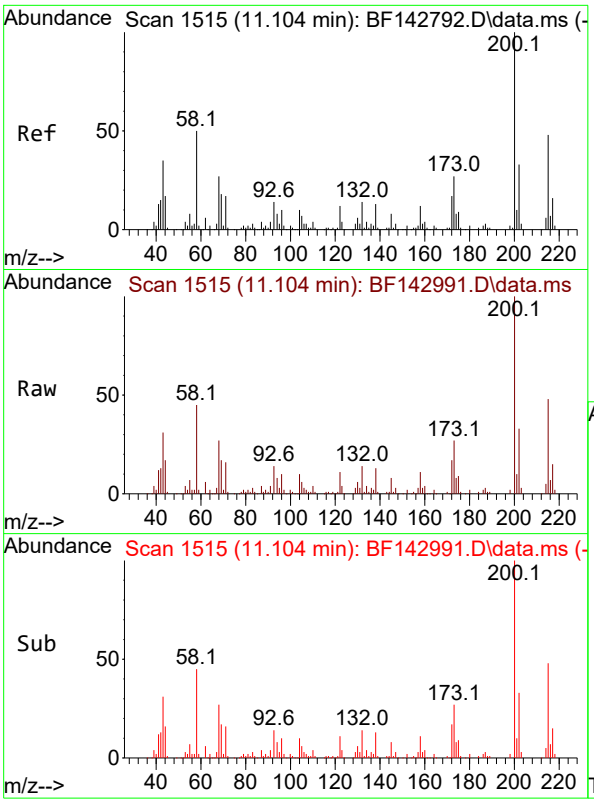


#68
Hexachlorobenzene
Concen: 47.024 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:284 Resp: 117783

Ion	Ratio	Lower	Upper
284	100		
142	34.3	25.5	38.3
249	30.8	24.9	37.3



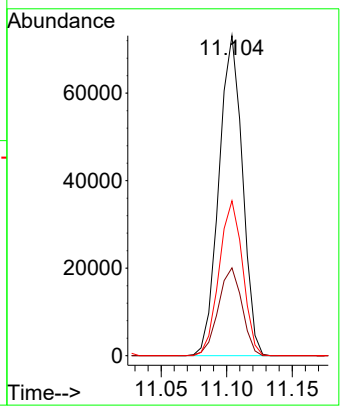


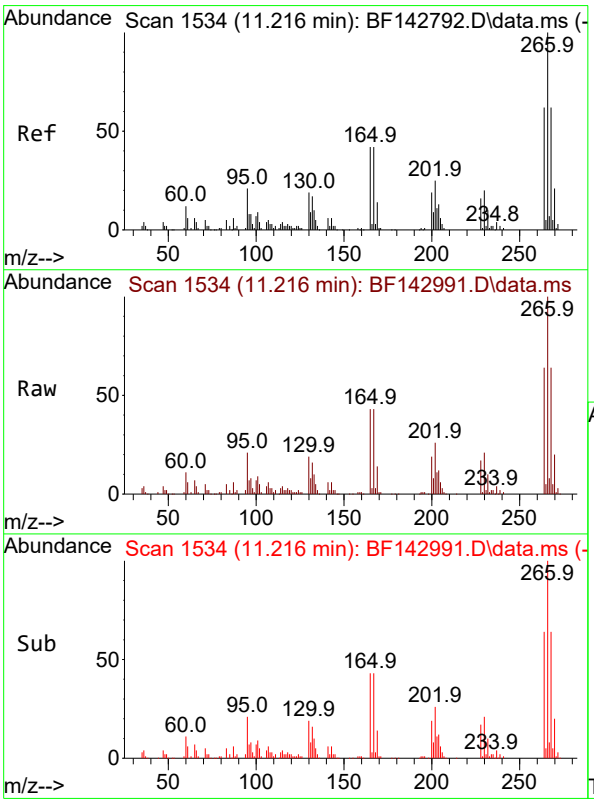
#69
Atrazine
Concen: 51.472 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:200 Resp: 91240

Ion	Ratio	Lower	Upper
200	100		
173	27.4	7.4	47.4
215	48.4	28.4	68.4

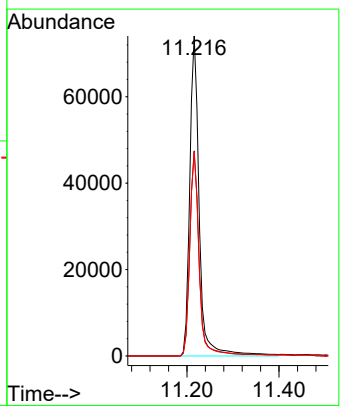


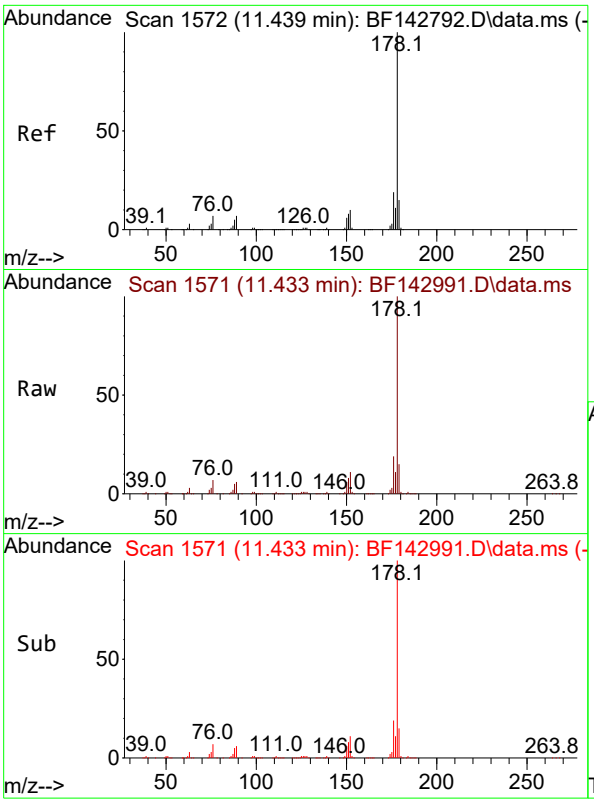


#70
Pentachlorophenol
Concen: 85.045 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:266 Resp: 106145

Ion	Ratio	Lower	Upper
266	100		
268	64.1	49.8	74.8
264	63.7	49.9	74.9



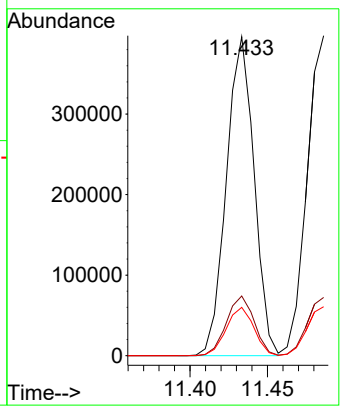


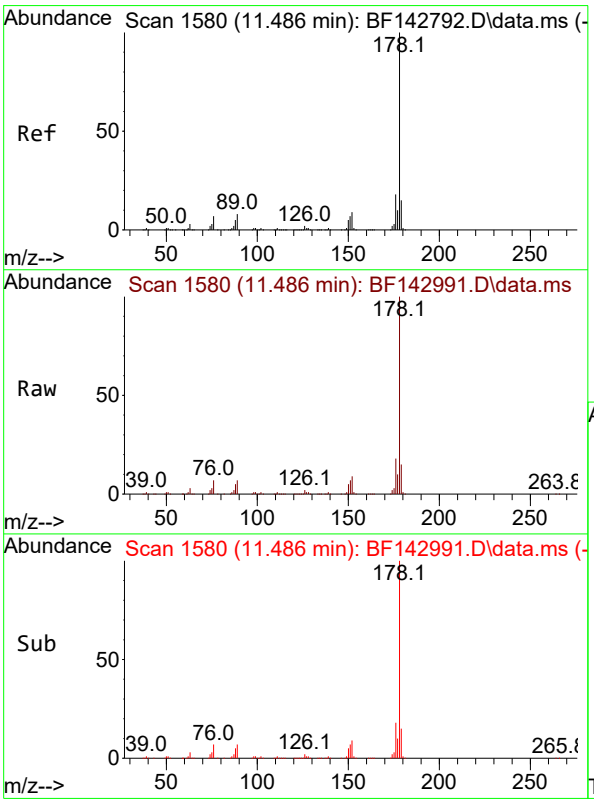
#71
Phenanthrene
Concen: 45.908 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:178 Resp: 492551

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.2	12.0	18.0

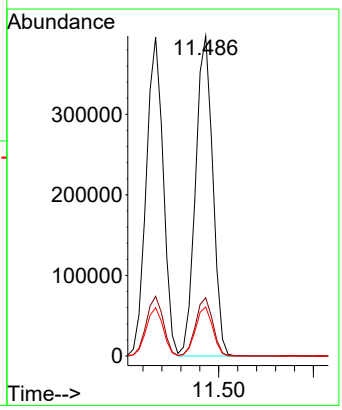


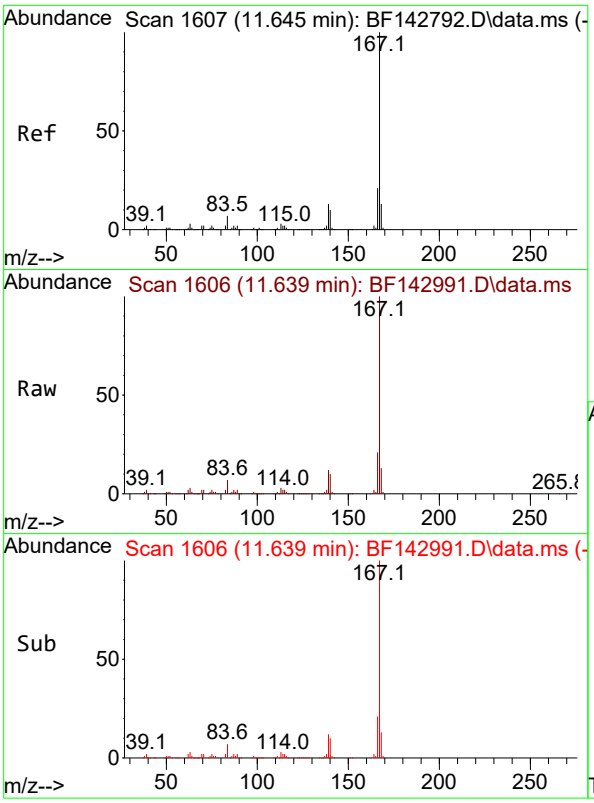


#72
Anthracene
Concen: 45.483 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:178 Resp: 500479

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	15.3	12.4	18.6



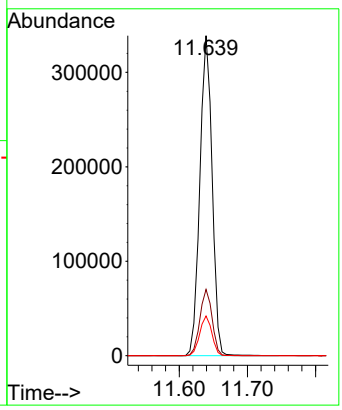


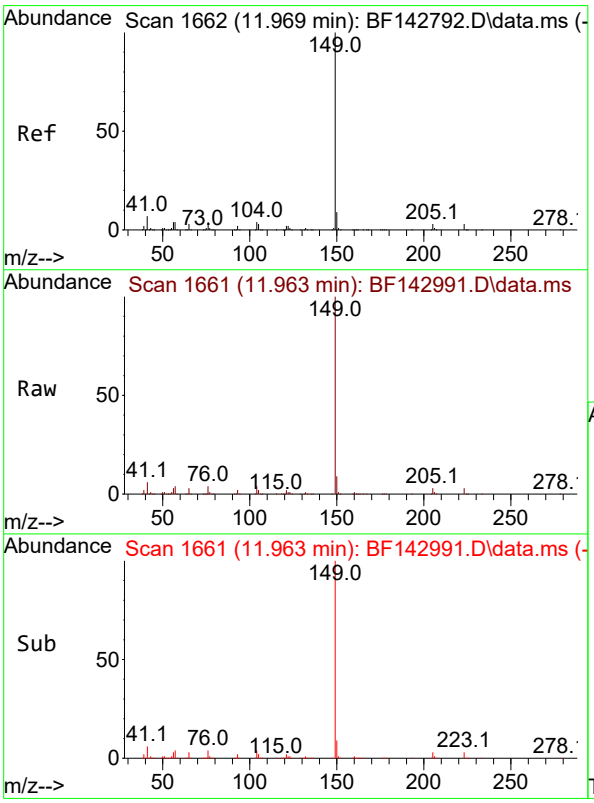
#73
Carbazole
Concen: 44.555 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:167 Resp: 423084

Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.0	25.4
139	12.4	10.2	15.2

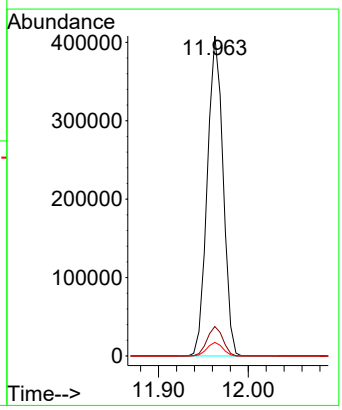


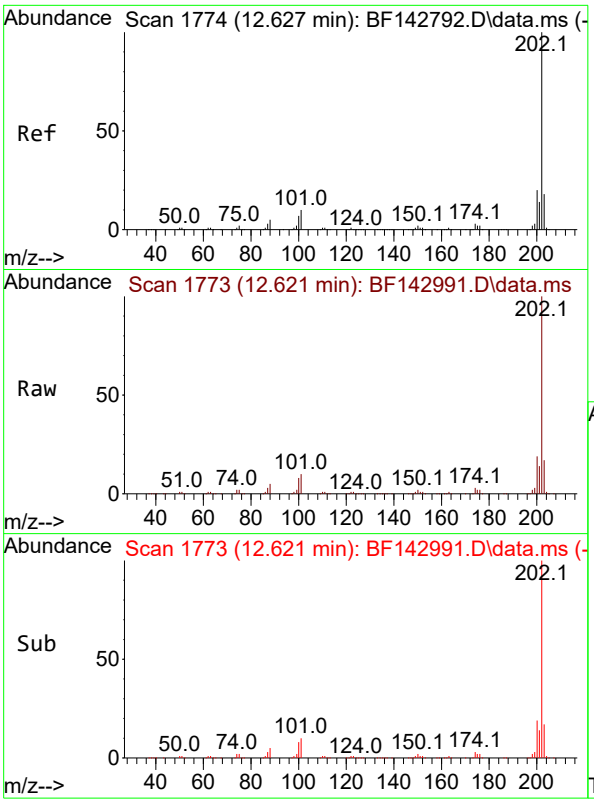


#74
Di-n-butylphthalate
Concen: 50.335 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:149 Resp: 497923

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	4.3	3.5	5.3



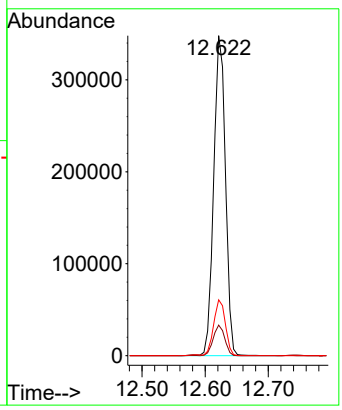


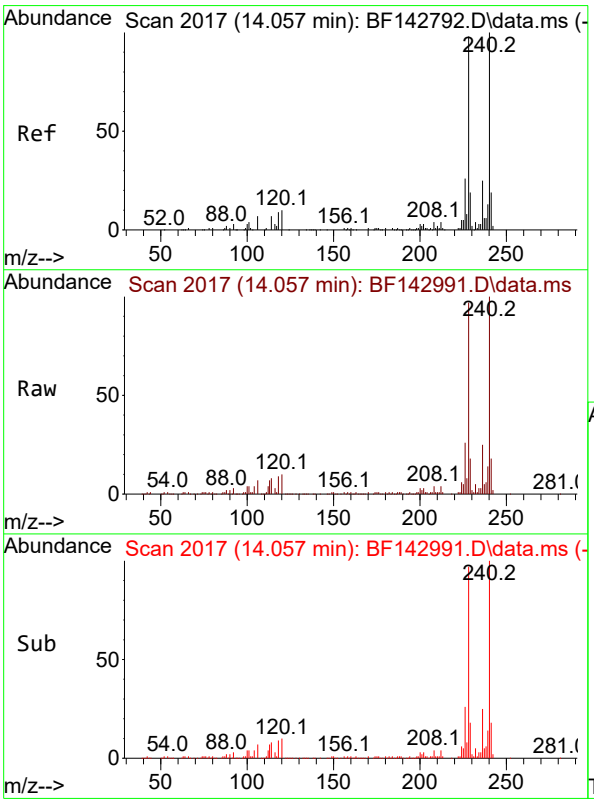
#75
Fluoranthene
Concen: 44.157 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:202 Resp: 449628

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	29.7
203	17.5	0.0	37.5

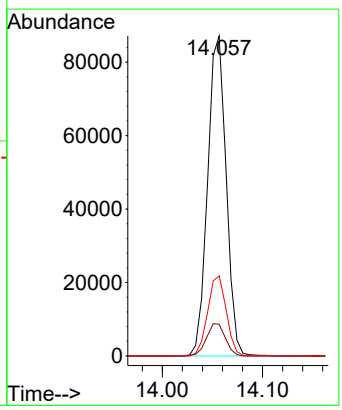


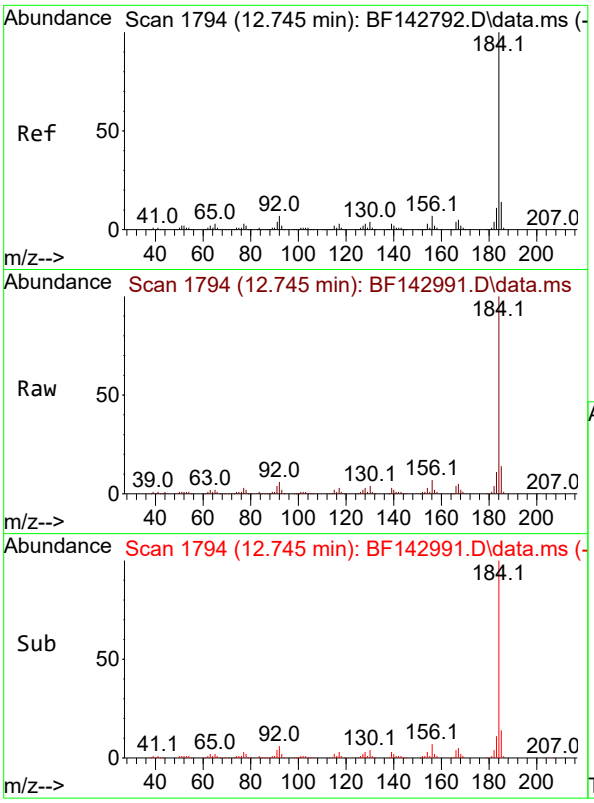


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:240 Resp: 112102

Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.2	12.2
236	25.1	19.8	29.8



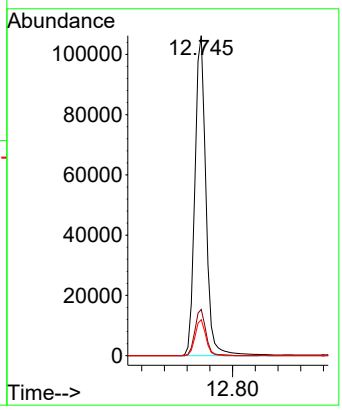


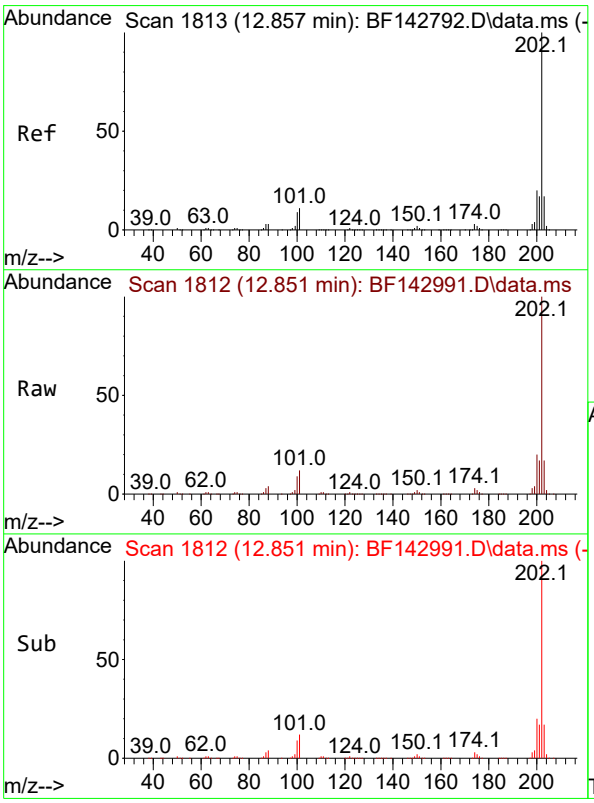
#77
Benzidine
Concen: 34.293 ng
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:184 Resp: 144434

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	11.3	9.0	13.4

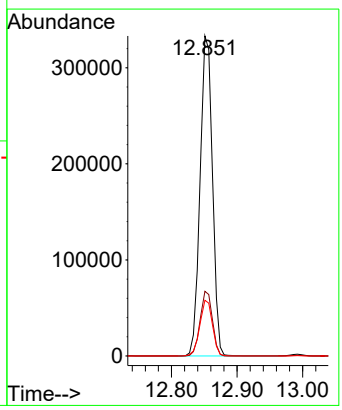


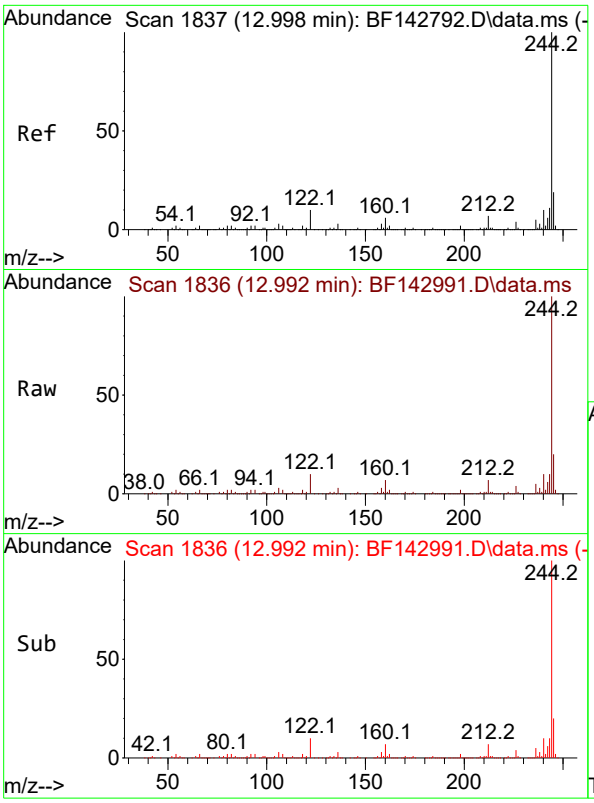


#78
Pyrene
Concen: 41.781 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:202 Resp: 439028

Ion	Ratio	Lower	Upper
202	100		
200	20.2	15.7	23.5
203	17.4	13.8	20.6



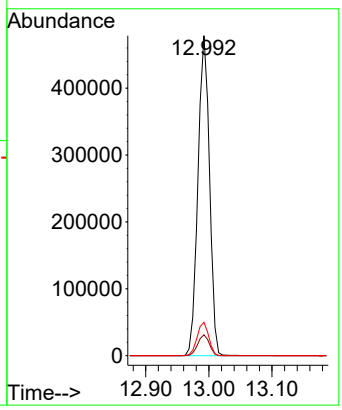


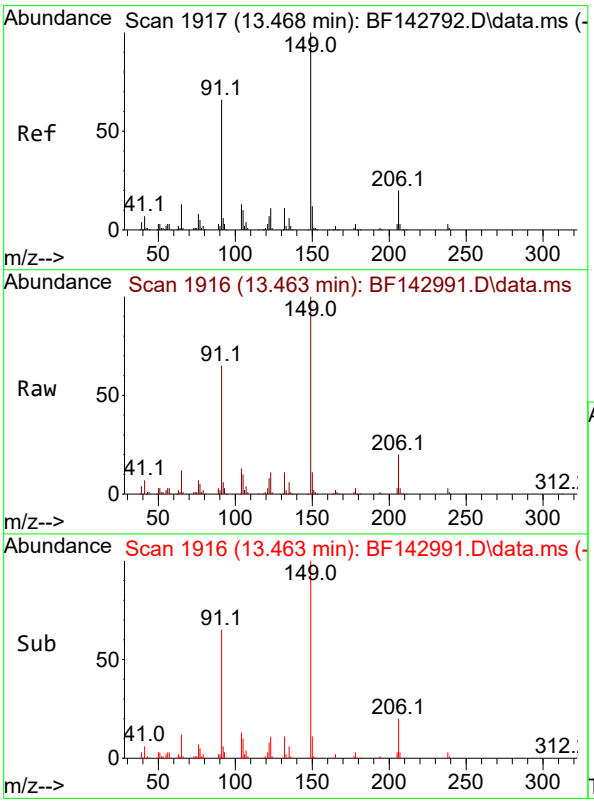
#79
Terphenyl-d14
Concen: 74.790 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:244 Resp: 606798

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	10.4	8.2	12.2

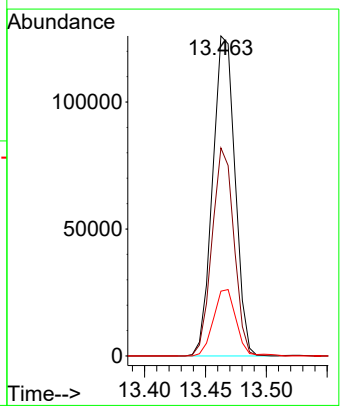


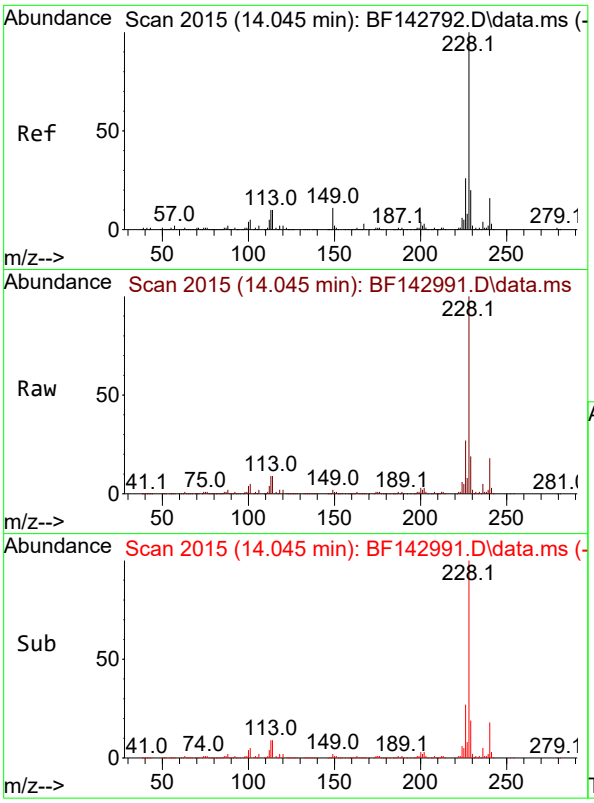


#80
Butylbenzylphthalate
Concen: 52.987 ng
RT: 13.463 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:149 Resp: 161506

Ion	Ratio	Lower	Upper
149	100		
91	65.0	52.9	79.3
206	20.3	16.3	24.5



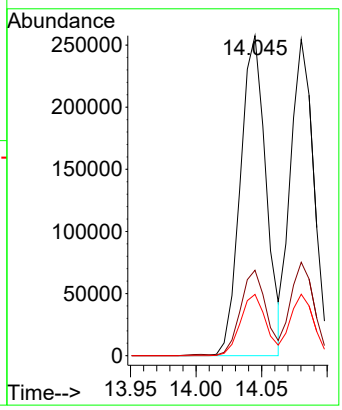


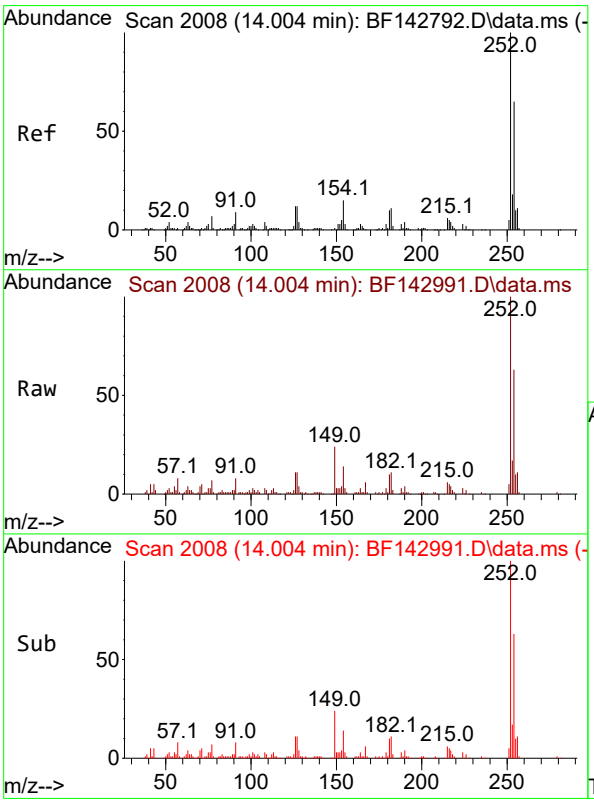
#81
Benzo(a)anthracene
Concen: 46.405 ng
RT: 14.045 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:228 Resp: 350937

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.2	31.8
229	19.2	15.6	23.4

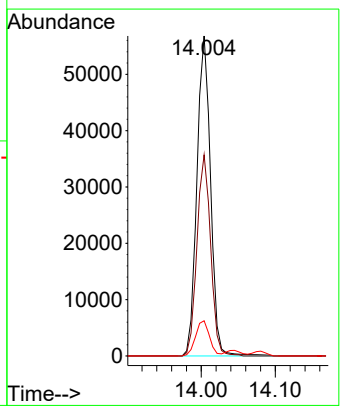


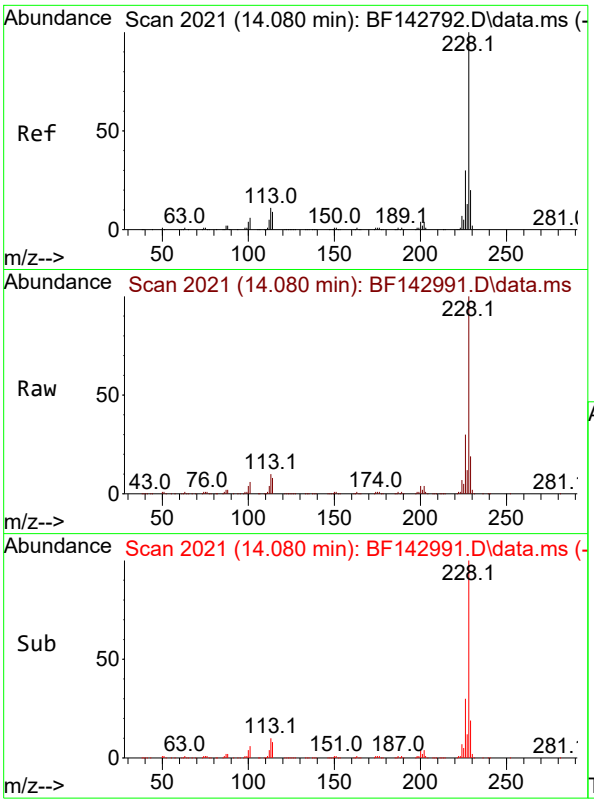


#82
3,3'-Dichlorobenzidine
Concen: 29.580 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:252 Resp: 72559

Ion	Ratio	Lower	Upper
252	100		
254	62.9	51.7	77.5
126	11.0	9.4	14.2



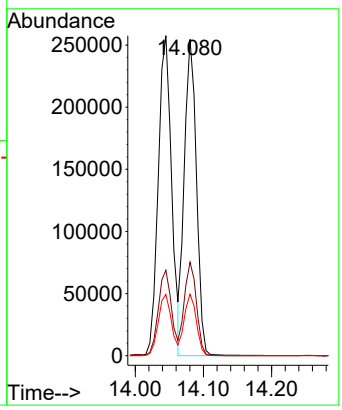


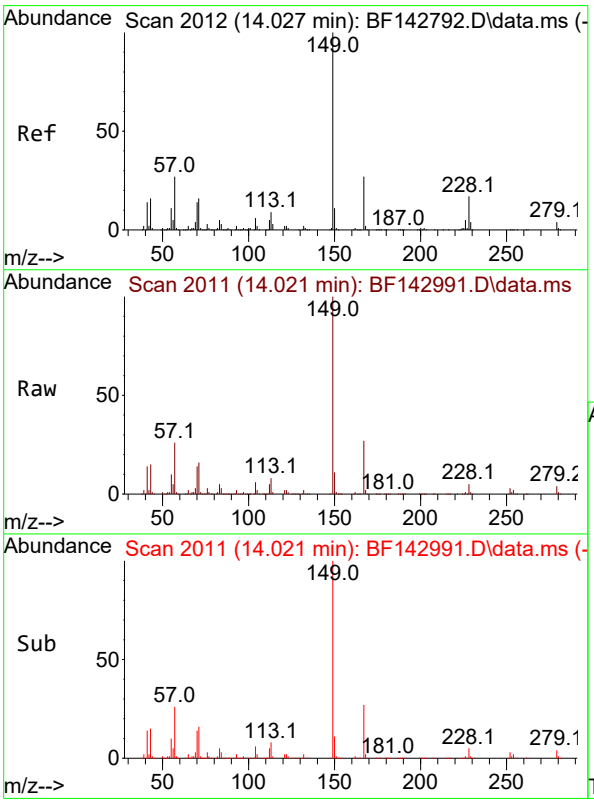
#83
Chrysene
Concen: 46.296 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:228 Resp: 312411

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.7	35.5
229	19.4	15.7	23.5

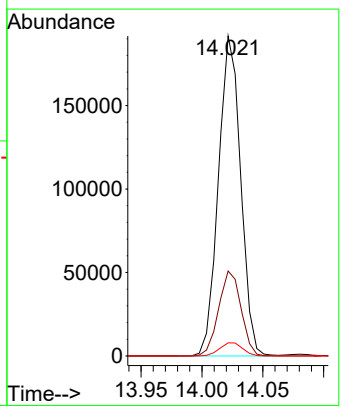


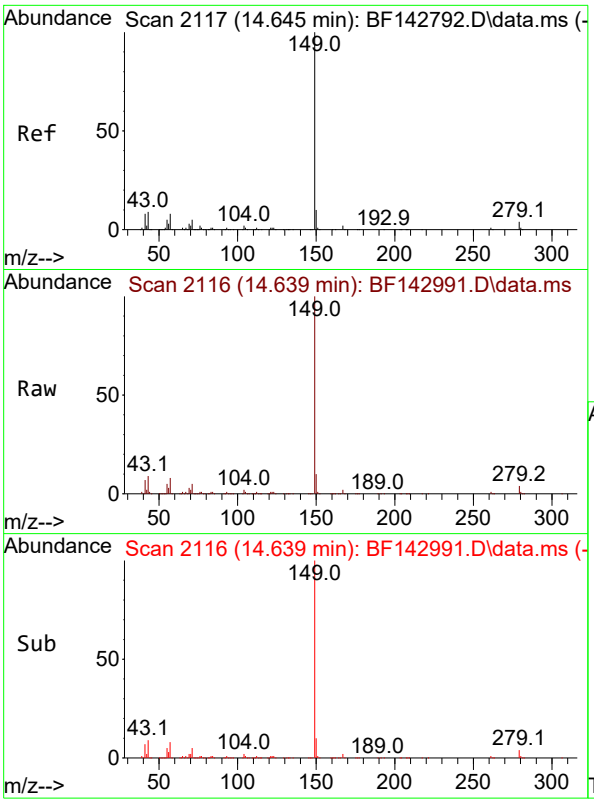


#84
Bis(2-ethylhexyl)phthalate
Concen: 55.538 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:149 Resp: 243557

Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.4	32.0
279	4.1	3.0	4.6



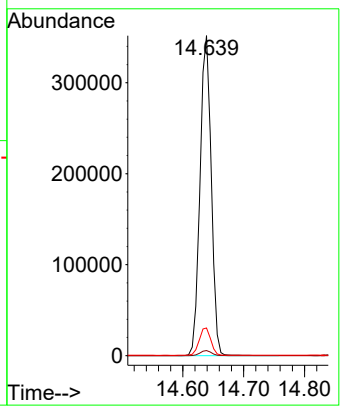


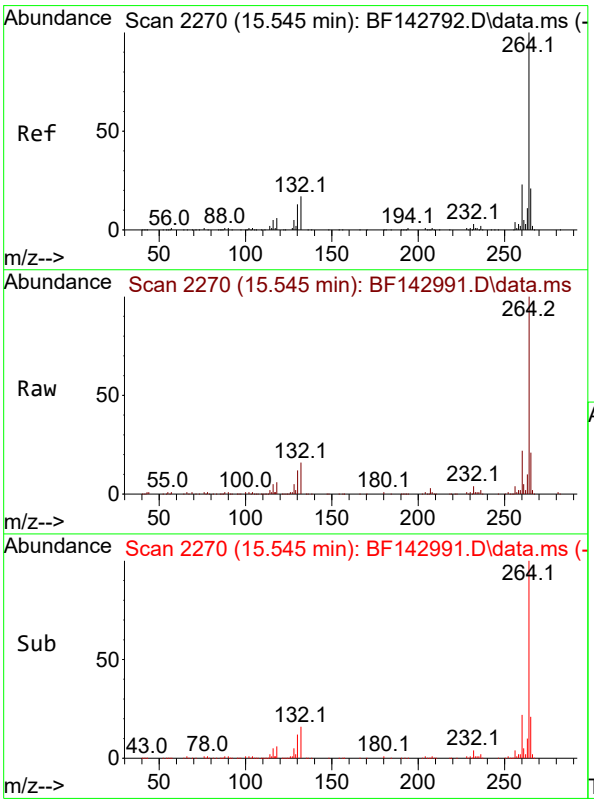
#85
Di-n-octyl phthalate
Concen: 54.508 ng
RT: 14.639 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:149 Resp: 450741

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.8	7.6	11.4

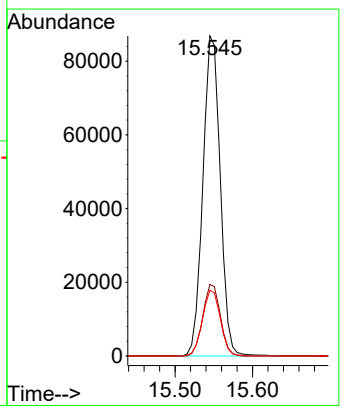


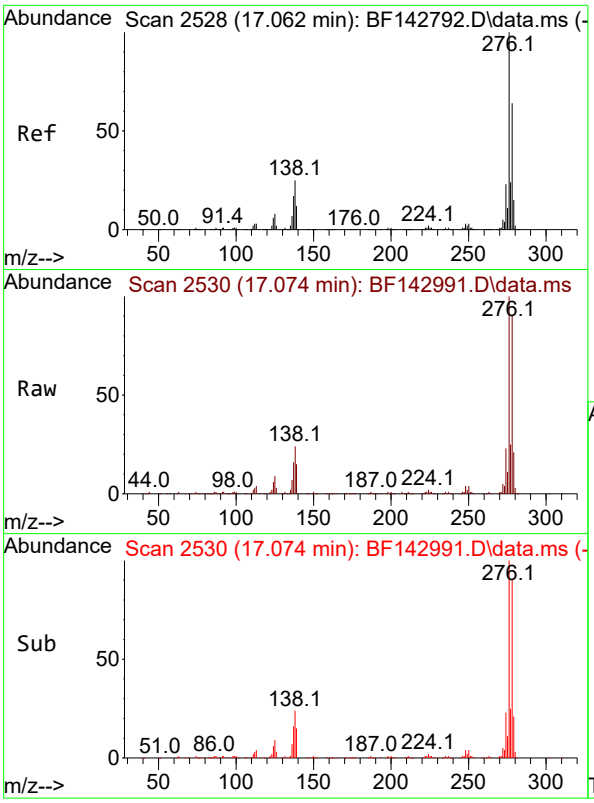


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:264 Resp: 135188

Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.1	27.1
265	20.5	16.6	25.0



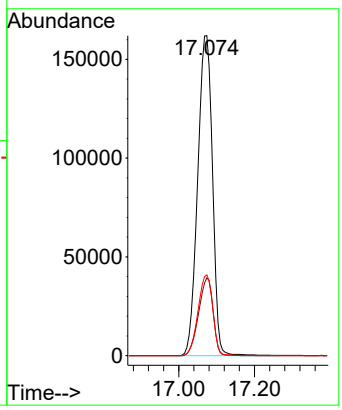


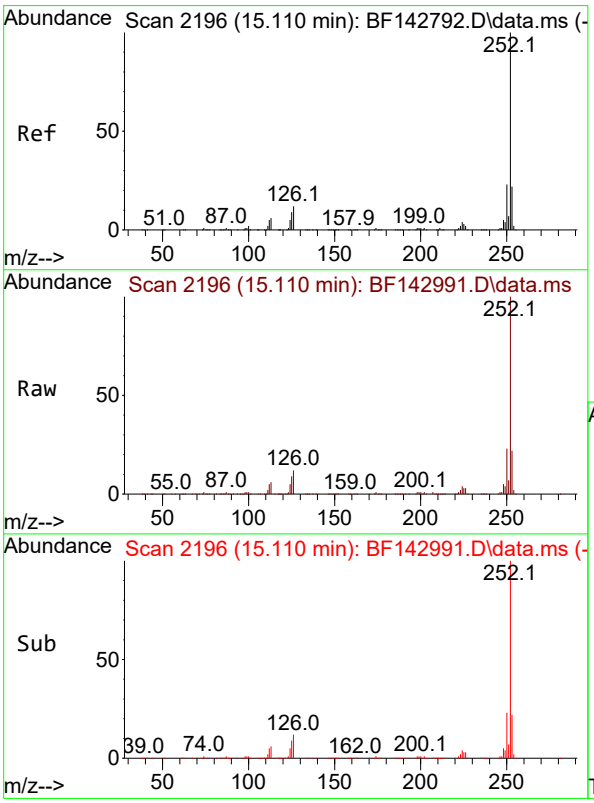
#87
Indeno(1,2,3-cd)pyrene
Concen: 42.806 ng
RT: 17.074 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:276 Resp: 440784

Ion	Ratio	Lower	Upper
276	100		
138	23.7	20.2	30.4
277	25.0	19.8	29.6

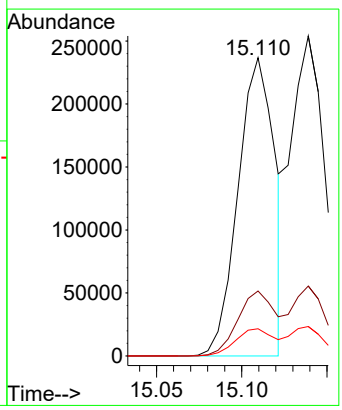


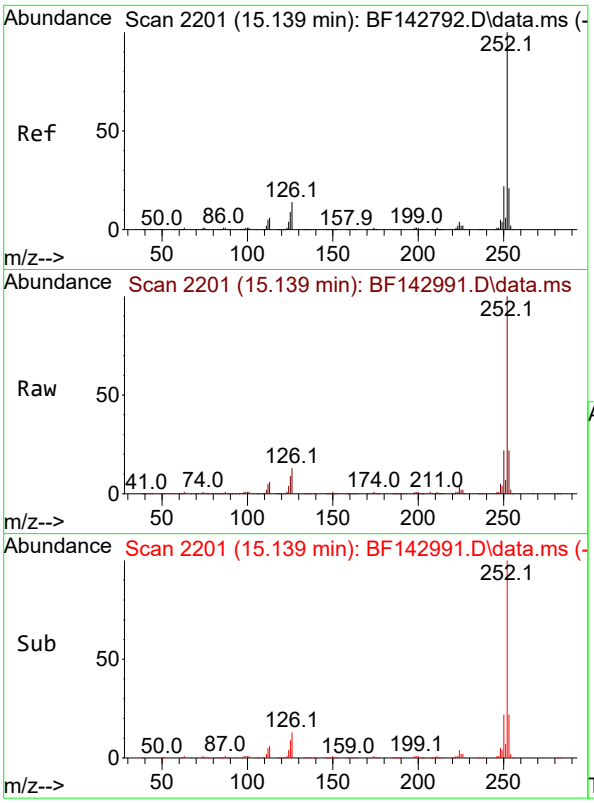


#88
Benzo(b)fluoranthene
Concen: 45.288 ng
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:252 Resp: 354267

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	9.1	7.4	11.0



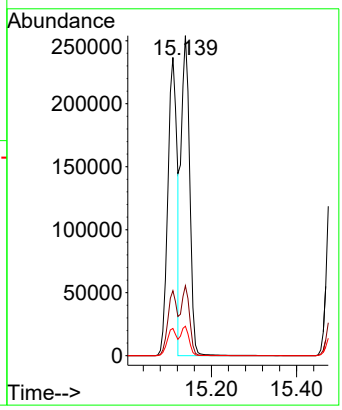


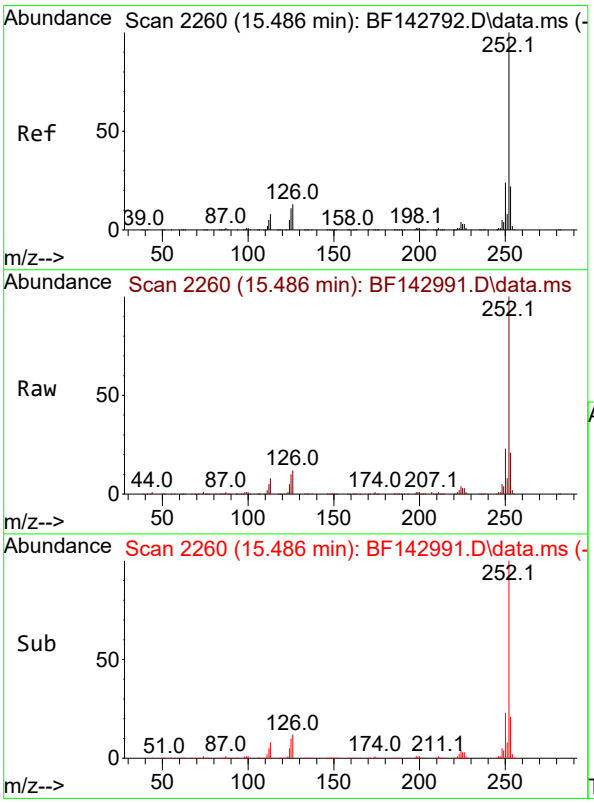
#89
Benzo(k)fluoranthene
Concen: 48.445 ng
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:252 Resp: 354547

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	9.2	7.4	11.2

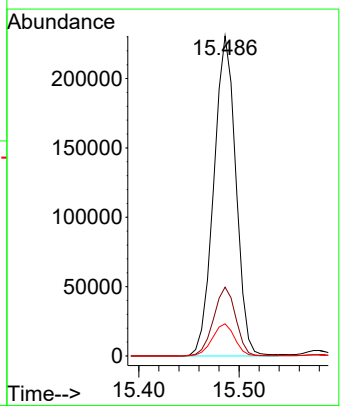


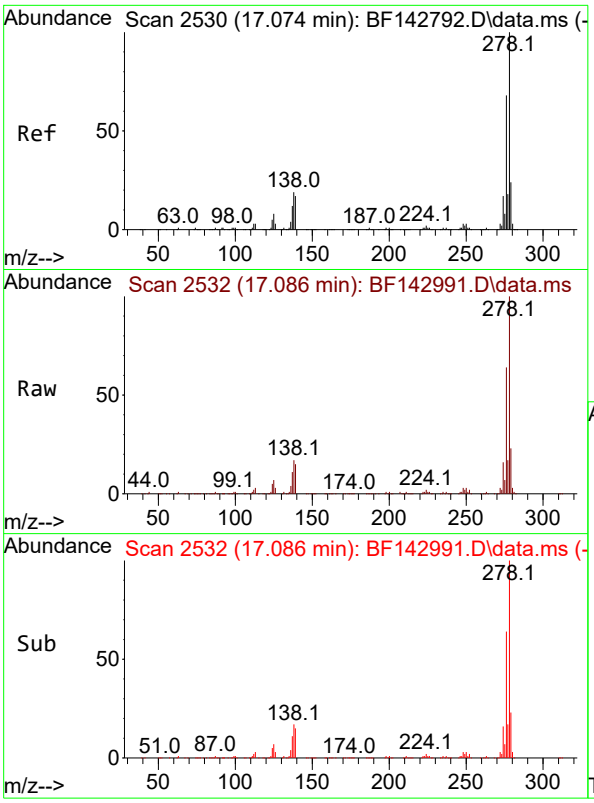


#90
Benzo(a)pyrene
Concen: 46.683 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:252 Resp: 352792

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	10.0	8.6	12.8



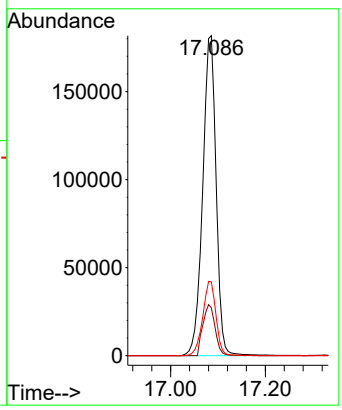


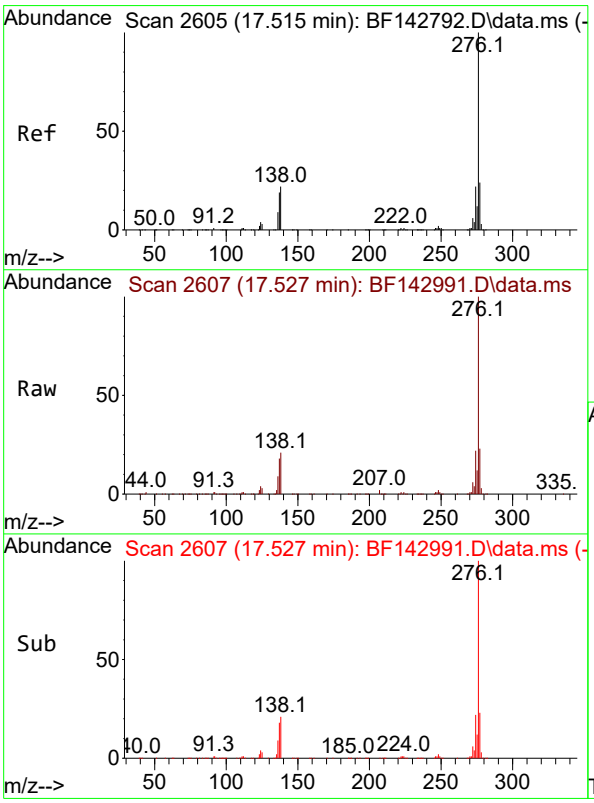
#91
Dibenzo(a,h)anthracene
Concen: 42.892 ng
RT: 17.086 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Instrument :
BNA_F
ClientSampleId :
PB168674BS

Tgt Ion:278 Resp: 358859

Ion	Ratio	Lower	Upper
278	100		
139	15.0	13.5	20.3
279	23.1	18.8	28.2

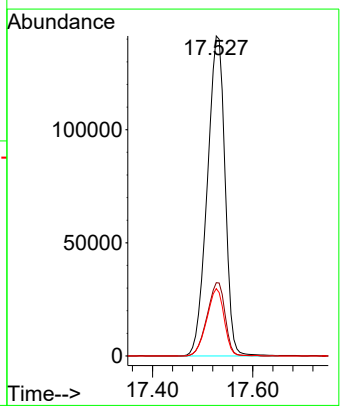




#92
Benzo(g,h,i)perylene
Concen: 41.696 ng
RT: 17.527 min Scan# 2607
Delta R.T. 0.012 min
Lab File: BF142991.D
Acq: 03 Jul 2025 11:55

Tgt Ion:276 Resp: 347863

Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.8	28.2
138	21.0	17.6	26.4



Raw Data: **BF143027.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168716BS	SDG No.:	Q2458
Lab Sample ID:	PB168716BS	Matrix:	Water
Analytical Method:	8270E	% 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143027.D	1	07/03/25 08:56	07/08/25 11:54	PB168716

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	26.5		3.90	10.0	ug/L
108-95-2	Phenol	43.6		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	45.7		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	45.5		0.58	5.00	ug/L
95-48-7	2-Methylphenol	46.1		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	41.7		1.30	5.00	ug/L
98-86-2	Acetophenone	46.3		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	47.7		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	46.1		1.40	2.50	ug/L
67-72-1	Hexachloroethane	45.2		0.65	5.00	ug/L
98-95-3	Nitrobenzene	45.3		0.76	5.00	ug/L
78-59-1	Isophorone	45.9		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	48.1		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	45.8		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	45.6		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	46.3		0.52	5.00	ug/L
91-20-3	Naphthalene	45.8		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	29.9		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	45.4		0.54	5.00	ug/L
105-60-2	Caprolactam	52.1		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	47.8		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	45.7		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	76.6		3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	45.7		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	45.5		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	47.0		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	46.1		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	47.3		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	48.7		0.61	5.00	ug/L

Raw Data: **BF143027.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168716BS	SDG No.:	Q2458
Lab Sample ID:	PB168716BS	Matrix:	Water
Analytical Method:	8270E	% 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143027.D	1	07/03/25 08:56	07/08/25 11:54	PB168716

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	46.5		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	48.0		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	33.0		1.10	5.00	ug/L
83-32-9	Acenaphthene	52.0		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	100	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	81.5	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	46.5		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	48.5		1.20	5.00	ug/L
84-66-2	Diethylphthalate	49.1		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	47.9		0.68	5.00	ug/L
86-73-7	Fluorene	47.9		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	47.0		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	48.2		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	47.5		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	49.2		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	47.6		0.52	5.00	ug/L
1912-24-9	Atrazine	52.6		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	82.0	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	47.3		0.50	5.00	ug/L
120-12-7	Anthracene	47.3		0.61	5.00	ug/L
86-74-8	Carbazole	46.7		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	51.5		1.20	5.00	ug/L
206-44-0	Fluoranthene	46.5		0.82	5.00	ug/L
129-00-0	Pyrene	49.6		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	53.0		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	25.6		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	48.3		0.45	5.00	ug/L
218-01-9	Chrysene	46.8		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	46.6		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	44.6		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	50.4		0.49	5.00	ug/L

Raw Data: **BF143027.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168716BS	SDG No.:	Q2458
Lab Sample ID:	PB168716BS	Matrix:	Water
Analytical Method:	8270E	% 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143027.D	1	07/03/25 08:56	07/08/25 11:54	PB168716

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	43.5		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	47.4		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	46.2		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	45.8		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	46.4		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	46.6		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	35.4		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	47.1		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	128		23 - 138	85%	SPK: 150
13127-88-3	Phenol-d6	130		10 - 134	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.0		67 - 132	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.2		52 - 132	82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	138		44 - 137	92%	SPK: 150
1718-51-0	Terphenyl-d14	87.6		42 - 152	88%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	58500	6.875			
1146-65-2	Naphthalene-d8	224000	8.163			
15067-26-2	Acenaphthene-d10	118000	9.922			
1517-22-2	Phenanthrene-d10	196000	11.41			
1719-03-5	Chrysene-d12	99600	14.063			
1520-96-3	Perylene-d12	115000	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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143027.D
Acq On : 08 Jul 2025 11:54
Operator : RC/JU
Sample : PB168716BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Quant Time: Jul 08 12:19:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	58507	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	224473	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	117882	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	196389	20.000	ng		0.00
76) Chrysene-d12	14.063	240	99574	20.000	ng		0.00
86) Perylene-d12	15.557	264	114876	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	449592	127.940	ng		0.01
7) Phenol-d6	6.516	99	538555	129.899	ng		0.00
23) Nitrobenzene-d5	7.439	82	335535	81.989	ng		0.00
42) 2,4,6-Tribromophenol	10.716	330	167248	137.870	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	738017	82.244	ng		0.00
79) Terphenyl-d14	12.998	244	631084	87.570	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.716	88	49703	35.362	ng		99
3) Pyridine	3.481	79	139256	39.520	ng		97
4) n-Nitrosodimethylamine	3.434	42	78804	43.248	ng		97
6) Aniline	6.539	93	186649	33.834	ng	#	80
8) 2-Chlorophenol	6.663	128	172485	45.502	ng		98
9) Benzaldehyde	6.428	77	65208	26.511	ng		98
10) Phenol	6.528	94	201070	43.630	ng		79
11) bis(2-Chloroethyl)ether	6.610	93	150682	45.747	ng		97
12) 1,3-Dichlorobenzene	6.816	146	189258	44.642	ng		99
13) 1,4-Dichlorobenzene	6.892	146	192803	45.076	ng		99
14) 1,2-Dichlorobenzene	7.045	146	182783	45.054	ng		100
15) Benzyl Alcohol	7.022	79	140107	46.745	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	220882	41.739	ng		69
17) 2-Methylphenol	7.134	107	132355	46.074	ng		97
18) Hexachloroethane	7.386	117	67694	45.248	ng		97
19) n-Nitroso-di-n-propyla...	7.287	70	111074	46.064	ng		99
20) 3+4-Methylphenols	7.287	107	170879	47.709	ng		96
22) Acetophenone	7.287	105	228983	46.259	ng		98
24) Nitrobenzene	7.463	77	167633	45.257	ng		97
25) Isophorone	7.698	82	301651	45.949	ng		100
26) 2-Nitrophenol	7.775	139	97023	48.085	ng		98
27) 2,4-Dimethylphenol	7.816	122	160072m	45.799	ng		
28) bis(2-Chloroethoxy)met...	7.904	93	190115	45.551	ng		100
29) 2,4-Dichlorophenol	8.022	162	146741	46.304	ng		99
30) 1,2,4-Trichlorobenzene	8.098	180	156650	44.953	ng		100
31) Naphthalene	8.181	128	502748	45.756	ng		100
32) Benzoic acid	7.945	122	79001	44.348	ng		96
33) 4-Chloroaniline	8.233	127	133370	29.852	ng		98
34) Hexachlorobutadiene	8.292	225	96733	45.382	ng		100
35) Caprolactam	8.610	113	43590m	52.126	ng		
36) 4-Chloro-3-methylphenol	8.722	107	150432	47.763	ng		100
37) 2-Methylnaphthalene	8.875	142	311283	45.697	ng		100
38) 1-Methylnaphthalene	8.975	142	327419	46.432	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	161961	46.563	ng		99
41) Hexachlorocyclopentadiene	9.028	237	151208	76.605	ng		99
43) 2,4,6-Trichlorophenol	9.157	196	103502	45.665	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143027.D
Acq On : 08 Jul 2025 11:54
Operator : RC/JU
Sample : PB168716BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Quant Time: Jul 08 12:19:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

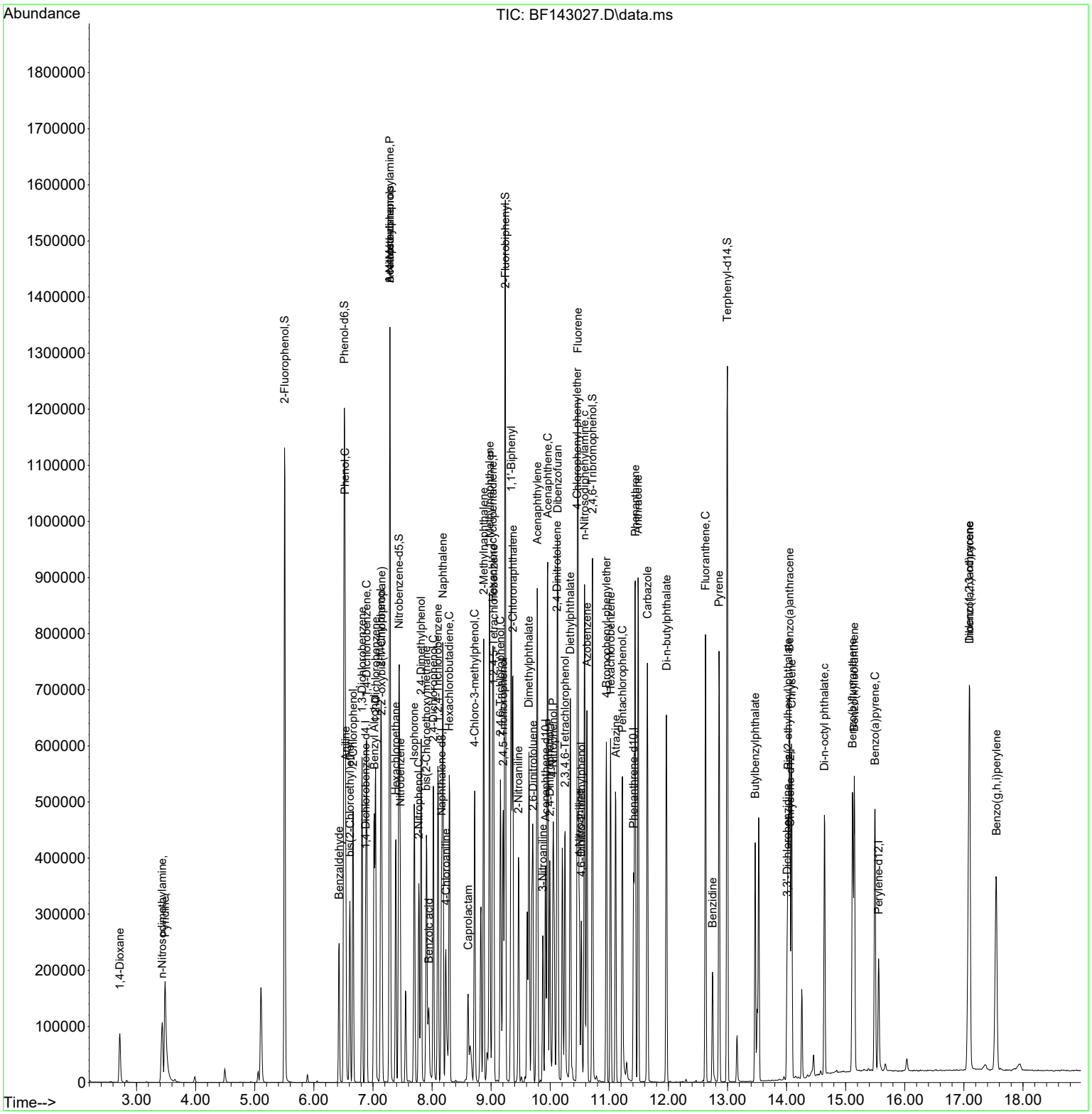
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	108629	45.529	ng	99
46) 1,1'-Biphenyl	9.339	154	437747	47.009	ng	100
47) 2-Chloronaphthalene	9.369	162	322065	46.088	ng	99
48) 2-Nitroaniline	9.463	65	92748	47.342	ng	96
49) Acenaphthylene	9.780	152	535374	46.539	ng	99
50) Dimethylphthalate	9.639	163	371441	48.678	ng	99
51) 2,6-Dinitrotoluene	9.710	165	80447	48.007	ng	96
52) Acenaphthene	9.957	154	364959m	51.998	ng	
53) 3-Nitroaniline	9.875	138	60810	32.959	ng	100
54) 2,4-Dinitrophenol	9.992	184	83921	100.016	ng	97
55) Dibenzofuran	10.127	168	467906	46.490	ng	100
56) 4-Nitrophenol	10.051	139	102931	81.491	ng	99
57) 2,4-Dinitrotoluene	10.116	165	108038	48.537	ng	92
58) Fluorene	10.469	166	376316	47.875	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.251	232	90547	47.081	ng	94
60) Diethylphthalate	10.339	149	367095	49.066	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	179485	47.852	ng	98
62) 4-Nitroaniline	10.492	138	79314	47.004	ng	99
63) Azobenzene	10.622	77	312072	46.670	ng	98
65) 4,6-Dinitro-2-methylph...	10.527	198	57251	48.195	ng	97
66) n-Nitrosodiphenylamine	10.580	169	323529	47.533	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	110051	49.238	ng	97
68) Hexachlorobenzene	11.022	284	118285	47.627	ng	99
69) Atrazine	11.110	200	92438	52.593	ng	100
70) Pentachlorophenol	11.222	266	101472	81.994	ng	98
71) Phenanthrene	11.439	178	503153	47.296	ng	100
72) Anthracene	11.486	178	516037	47.297	ng	99
73) Carbazole	11.645	167	439384	46.666	ng	100
74) Di-n-butylphthalate	11.969	149	504874	51.473	ng	99
75) Fluoranthene	12.627	202	468974	46.450	ng	99
77) Benzidine	12.745	184	114984	30.735	ng	99
78) Pyrene	12.857	202	462608	49.564	ng	100
80) Butylbenzylphthalate	13.468	149	143577	53.032	ng	96
81) Benzo(a)anthracene	14.051	228	324635	48.328	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	55773	25.598	ng	98
83) Chrysene	14.086	228	280502	46.797	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	181490	46.592	ng	100
85) Di-n-octyl phthalate	14.639	149	327797	44.628	ng	98
87) Indeno(1,2,3-cd)pyrene	17.092	276	404380	46.215	ng	99
88) Benzo(b)fluoranthene	15.115	252	334813	50.369	ng	100
89) Benzo(k)fluoranthene	15.145	252	270562	43.506	ng	100
90) Benzo(a)pyrene	15.498	252	304589	47.431	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	325775	45.822	ng	99
92) Benzo(g,h,i)perylene	17.551	276	328768	46.375	ng	98

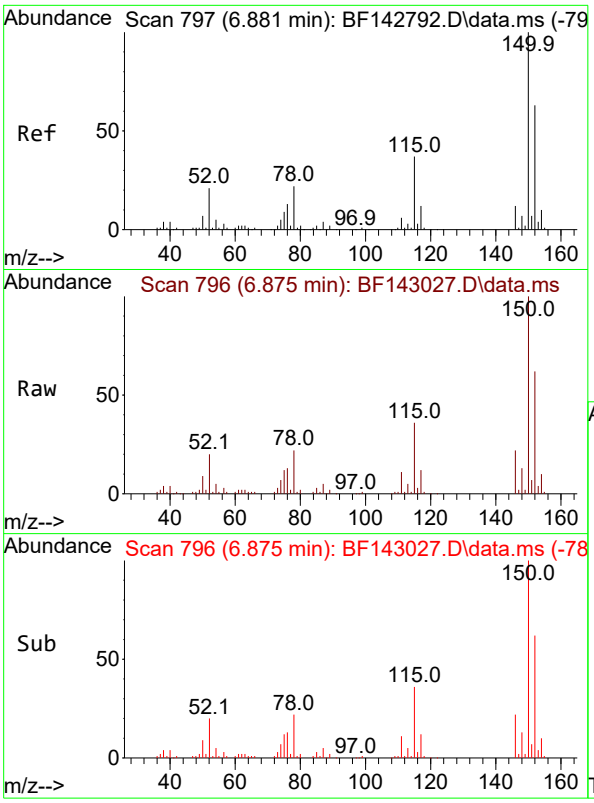
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143027.D
Acq On : 08 Jul 2025 11:54
Operator : RC/JU
Sample : PB168716BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Quant Time: Jul 08 12:19:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
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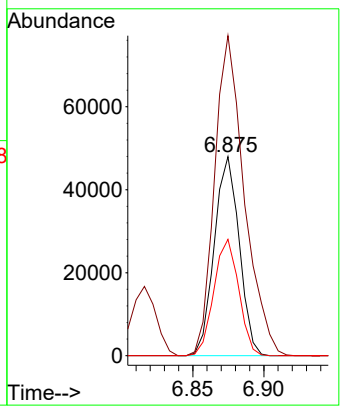


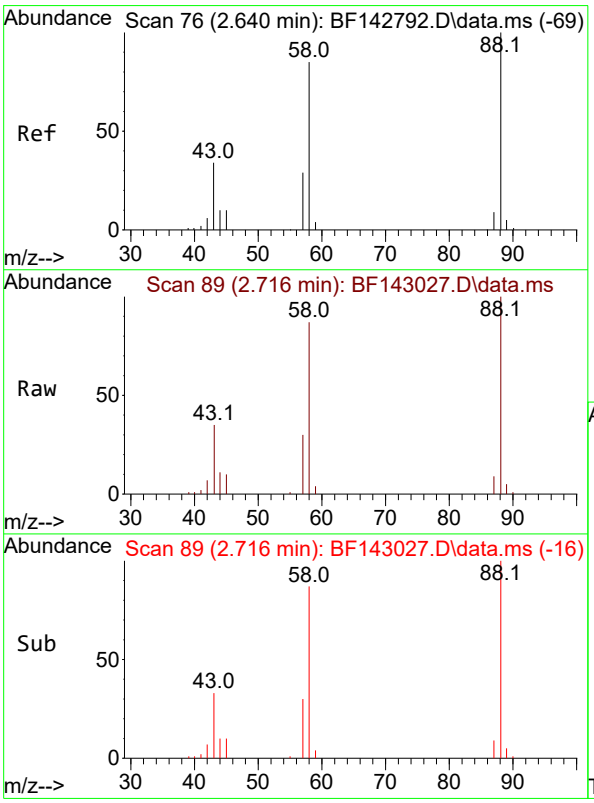
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:152 Resp: 58507

Ion	Ratio	Lower	Upper
152	100		
150	160.8	127.2	190.8
115	58.5	46.6	69.8

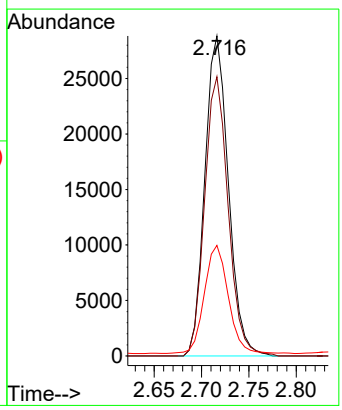


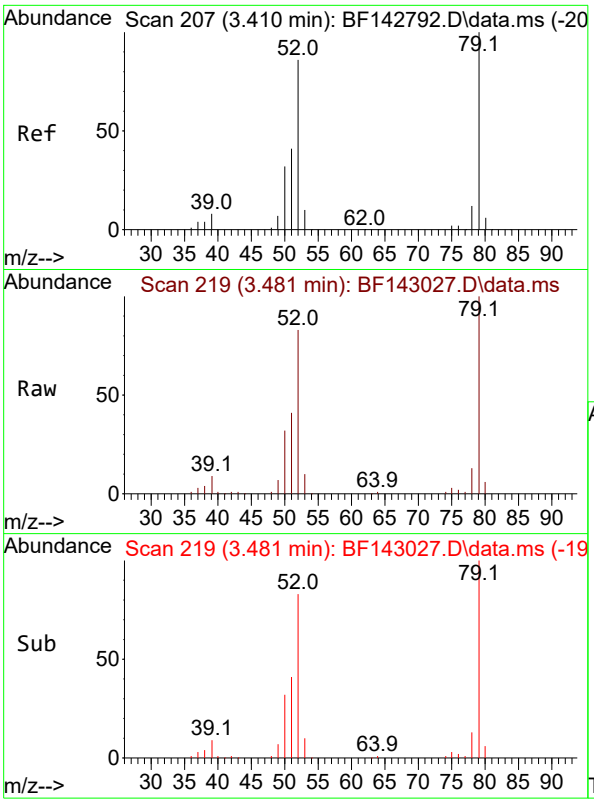


#2
1,4-Dioxane
Concen: 35.362 ng
RT: 2.716 min Scan# 89
Delta R.T. 0.076 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion: 88 Resp: 49703

Ion	Ratio	Lower	Upper
88	100		
58	87.4	69.1	103.7
43	34.4	27.4	41.2



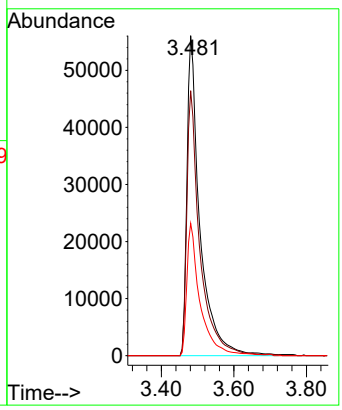


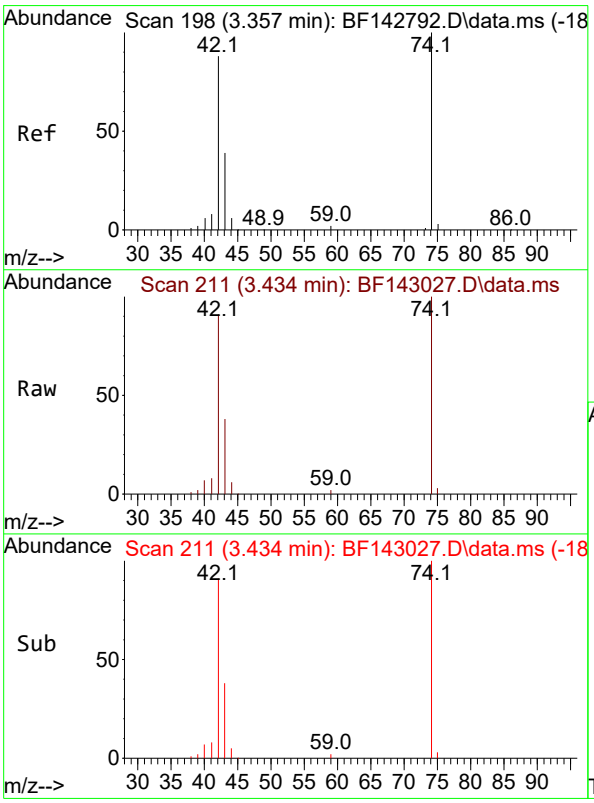
#3
Pyridine
Concen: 39.520 ng
RT: 3.481 min Scan# 21
Delta R.T. 0.071 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion: 79 Resp: 139256

Ion	Ratio	Lower	Upper
79	100		
52	82.8	69.2	103.8
51	41.3	33.2	49.8

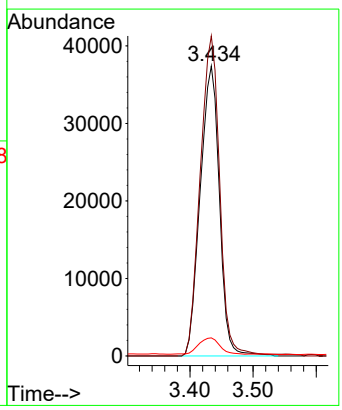


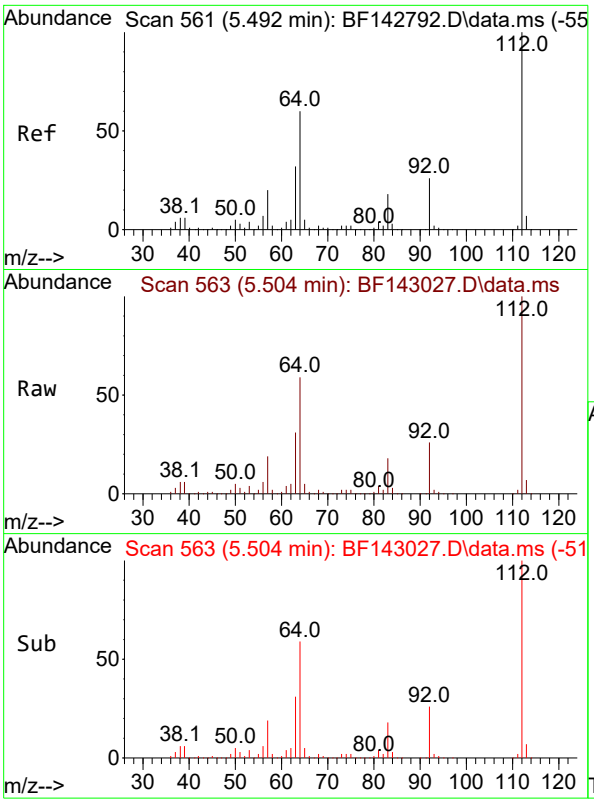


#4
n-Nitrosodimethylamine
Concen: 43.248 ng
RT: 3.434 min Scan# 211
Delta R.T. 0.076 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion: 42 Resp: 78804

Ion	Ratio	Lower	Upper
42	100		
74	110.4	90.9	136.3
44	6.2	5.8	8.6



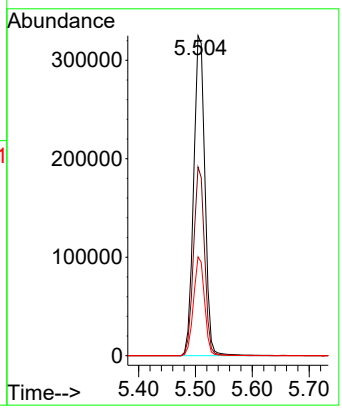


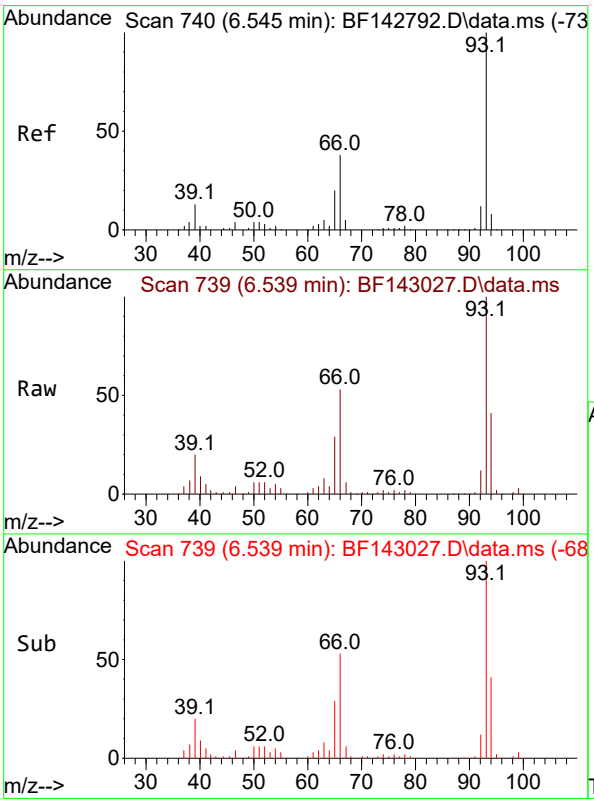
#5
2-Fluorophenol
Concen: 127.940 ng
RT: 5.504 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:112 Resp: 449592

Ion	Ratio	Lower	Upper
112	100		
64	59.0	48.2	72.2
63	30.9	25.7	38.5

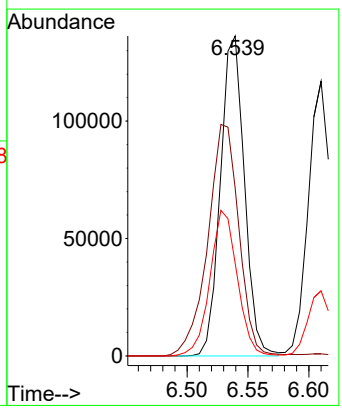


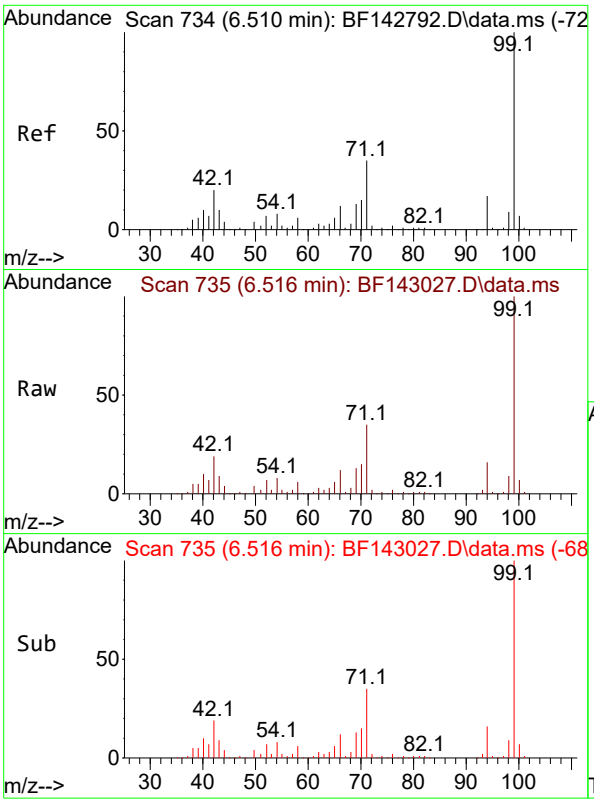


#6
Aniline
Concen: 33.834 ng
RT: 6.539 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion: 93 Resp: 186649

Ion	Ratio	Lower	Upper
93	100		
66	52.5	31.8	47.6#
65	29.0	16.2	24.2#



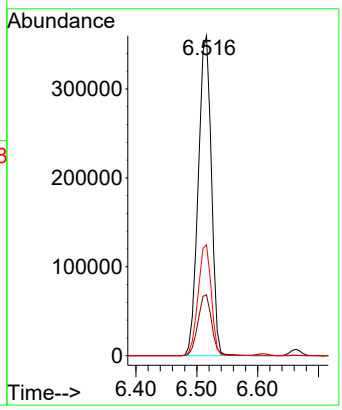


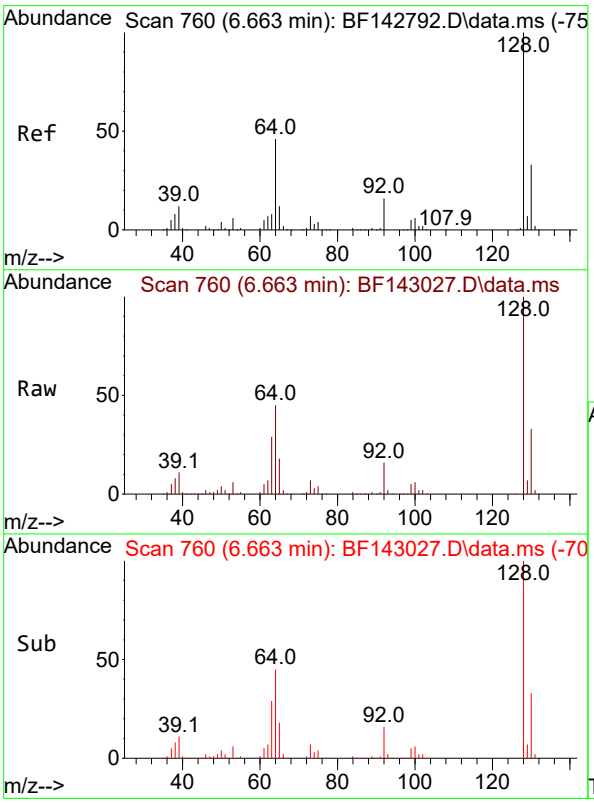
#7
Phenol-d6
Concen: 129.899 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion: 99 Resp: 538555

Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.9	23.9
71	34.7	27.8	41.8

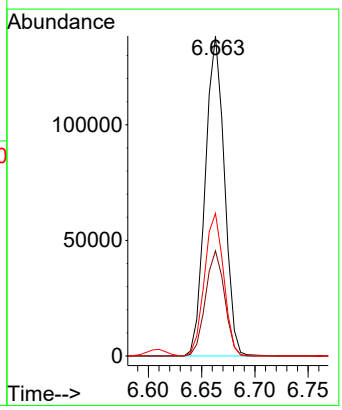


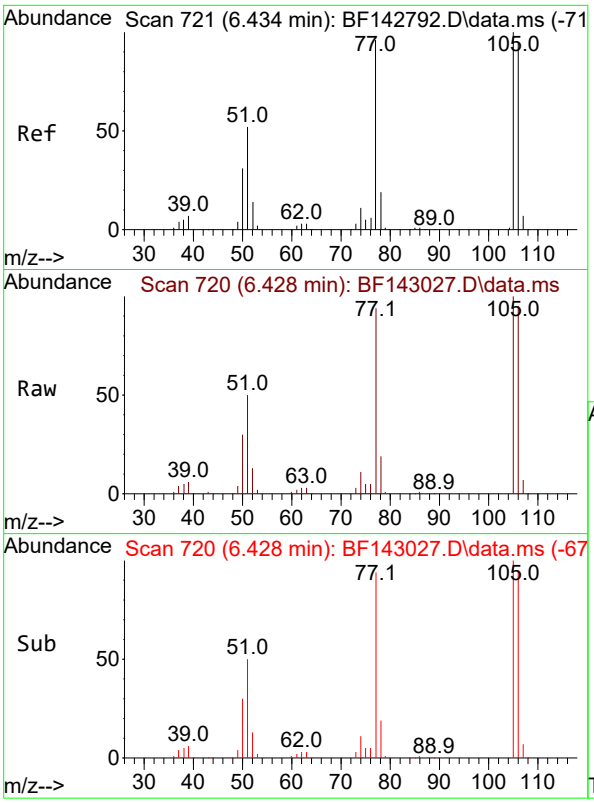


#8
2-Chlorophenol
Concen: 45.502 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:128 Resp: 172485

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.7	52.7
64	44.6	26.5	66.5



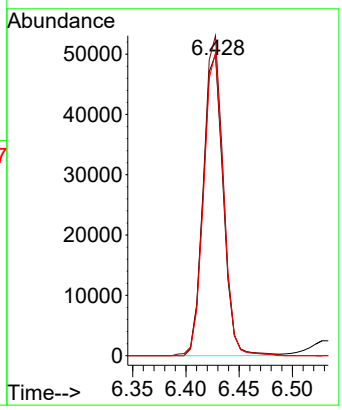


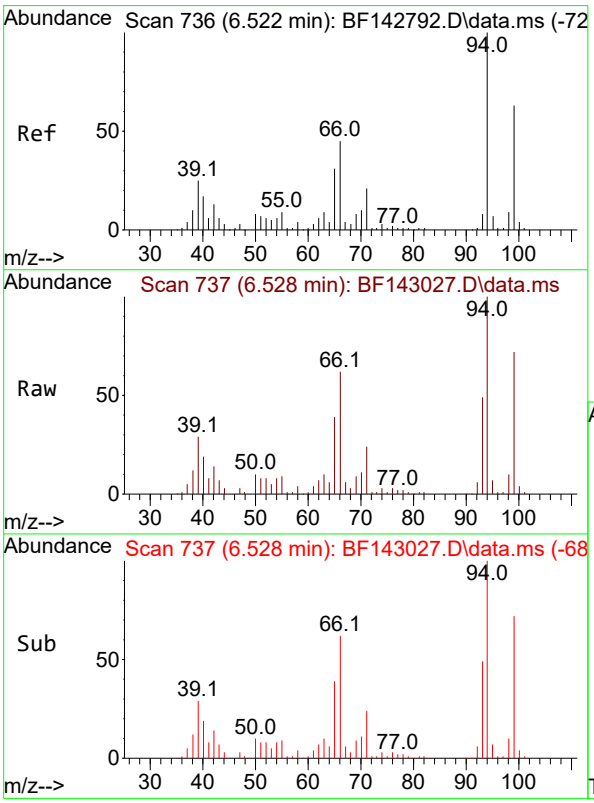
#9
Benzaldehyde
Concen: 26.511 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion: 77 Resp: 65208

Ion	Ratio	Lower	Upper
77	100		
105	106.2	83.8	123.8
106	100.5	78.7	118.7

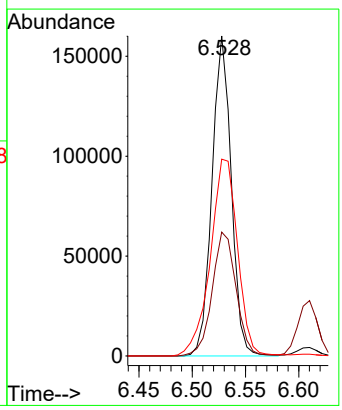


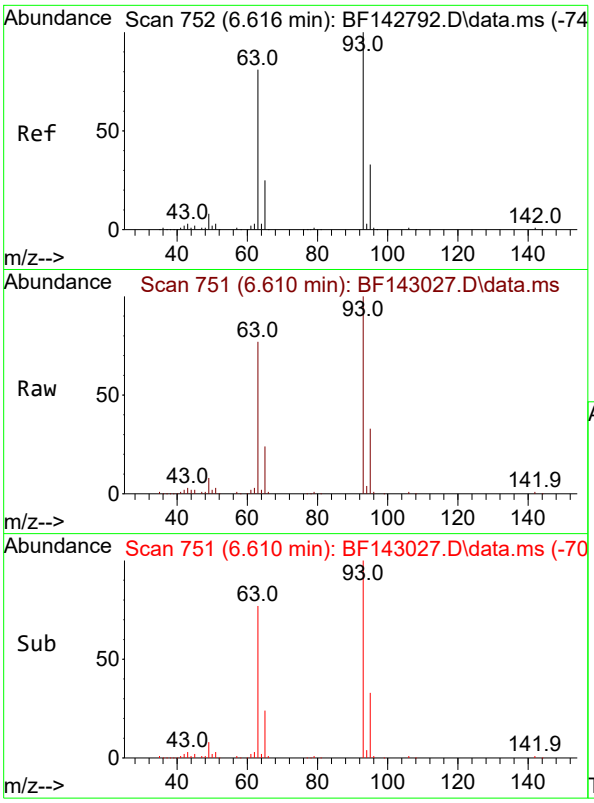


#10
Phenol
Concen: 43.630 ng
RT: 6.528 min Scan# 737
Delta R.T. 0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion: 94 Resp: 201070

Ion	Ratio	Lower	Upper
94	100		
65	38.7	11.3	51.3
66	61.5	24.9	64.9



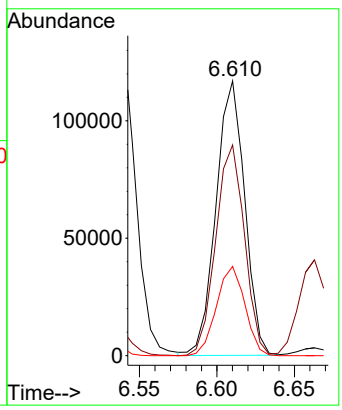


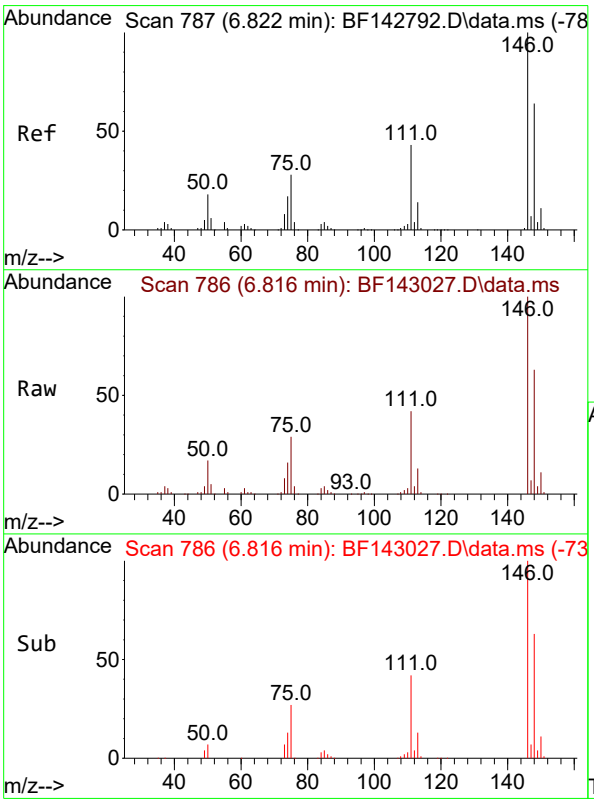
#11
bis(2-Chloroethyl)ether
Concen: 45.747 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion: 93 Resp: 150682

Ion	Ratio	Lower	Upper
93	100		
63	76.7	60.3	100.3
95	32.5	12.5	52.5

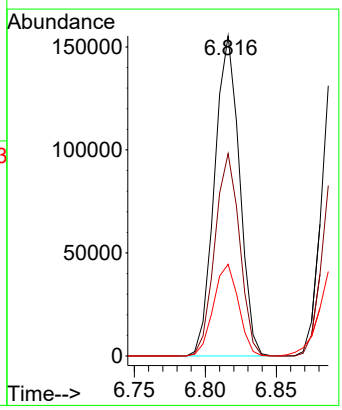


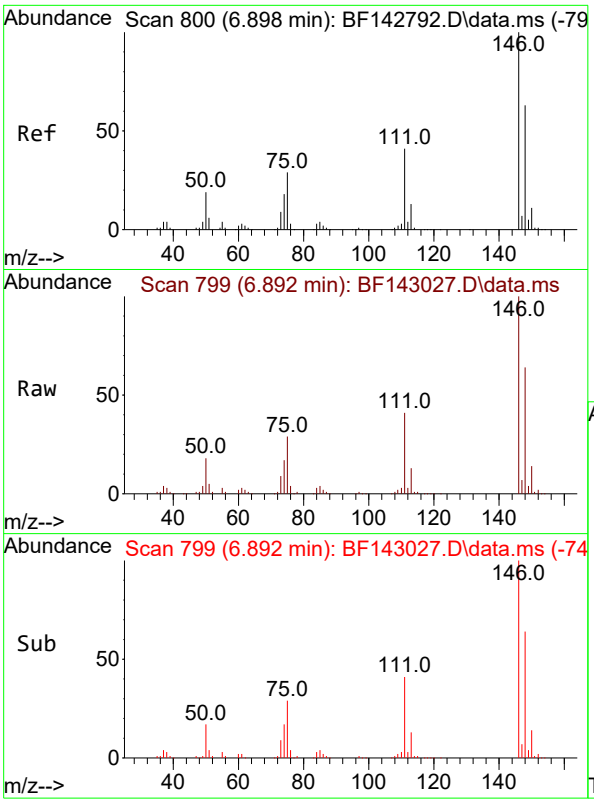


#12
1,3-Dichlorobenzene
Concen: 44.642 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:146 Resp: 189258

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.1	76.7
75	28.6	22.7	34.1



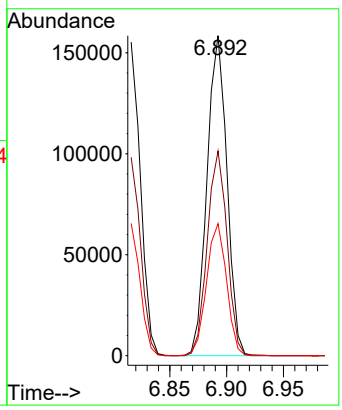


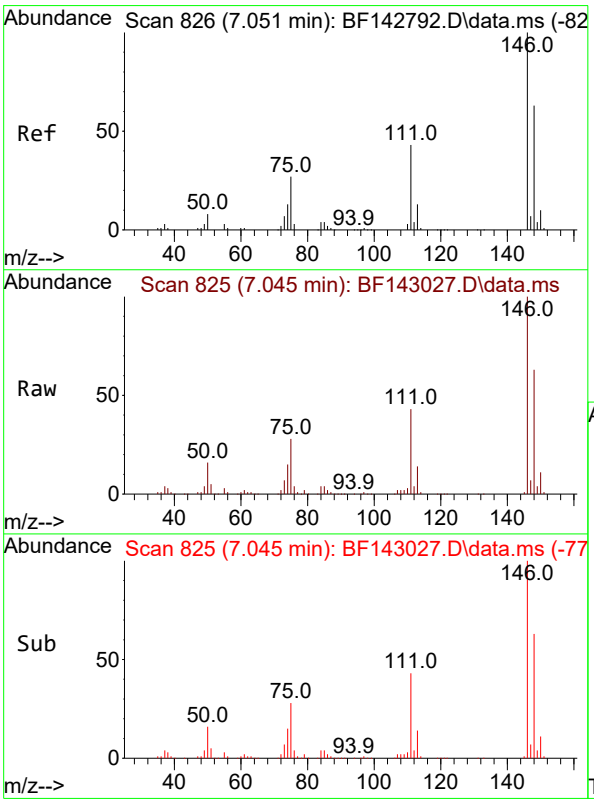
#13
1,4-Dichlorobenzene
Concen: 45.076 ng
RT: 6.892 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:146 Resp: 192803

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.2	75.2
111	41.3	33.2	49.8

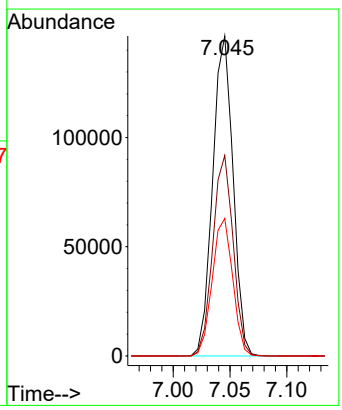


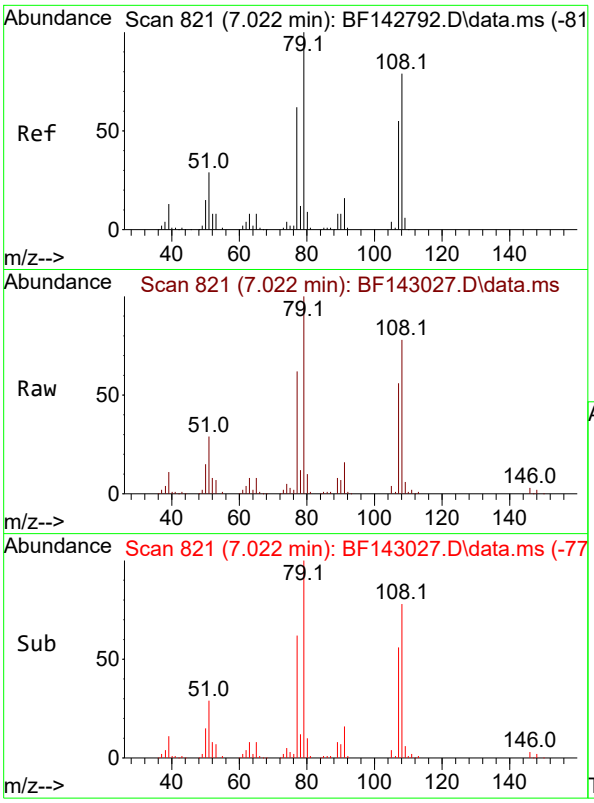


#14
1,2-Dichlorobenzene
Concen: 45.054 ng
RT: 7.045 min Scan# 825
Delta R.T. -0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:146 Resp: 182783

Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.4	75.6
111	42.9	34.1	51.1



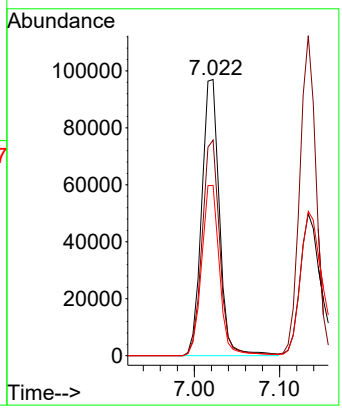


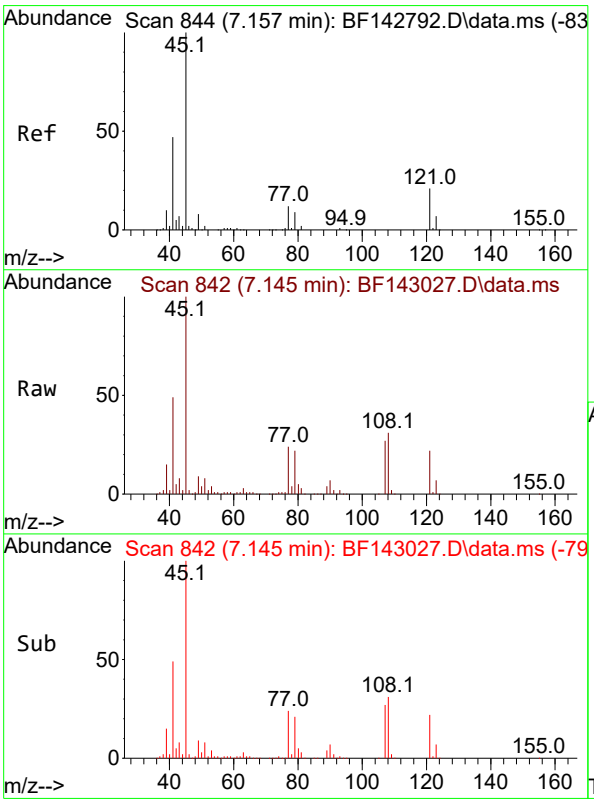
#15
Benzyl Alcohol
Concen: 46.745 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion: 79 Resp: 140107

Ion	Ratio	Lower	Upper
79	100		
108	78.0	63.4	95.0
77	61.6	49.5	74.3

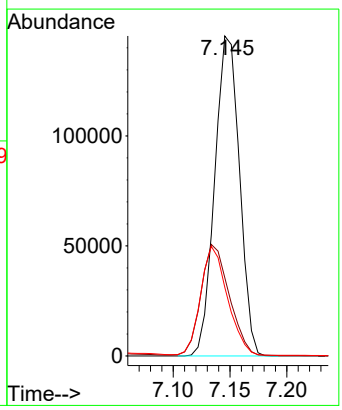


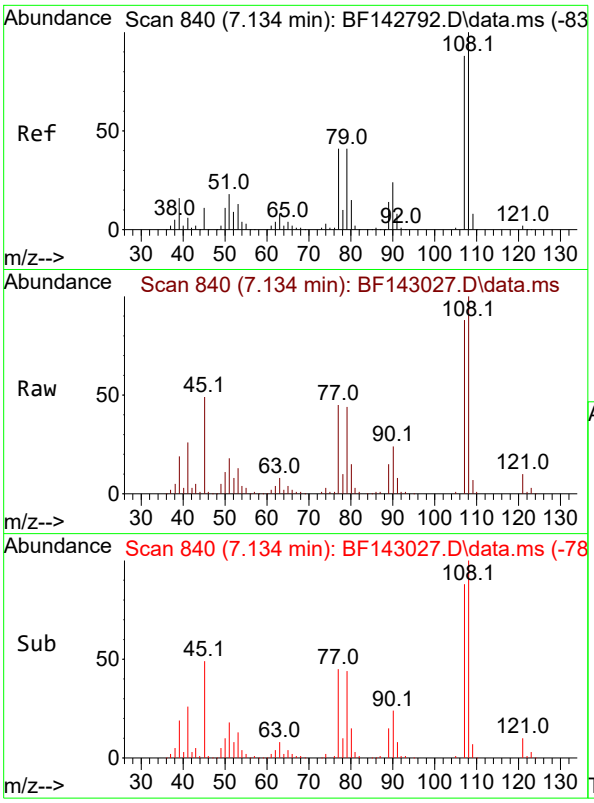


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.739 ng
RT: 7.145 min Scan# 842
Delta R.T. -0.012 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion: 45 Resp: 220882

Ion	Ratio	Lower	Upper
45	100		
77	24.5	0.0	32.8
79	21.5	0.0	29.8



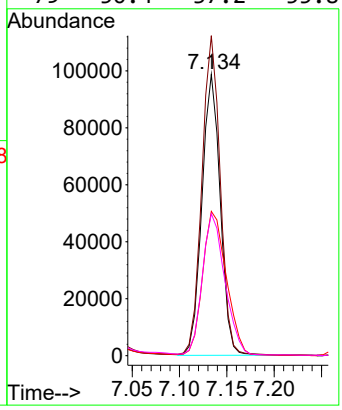


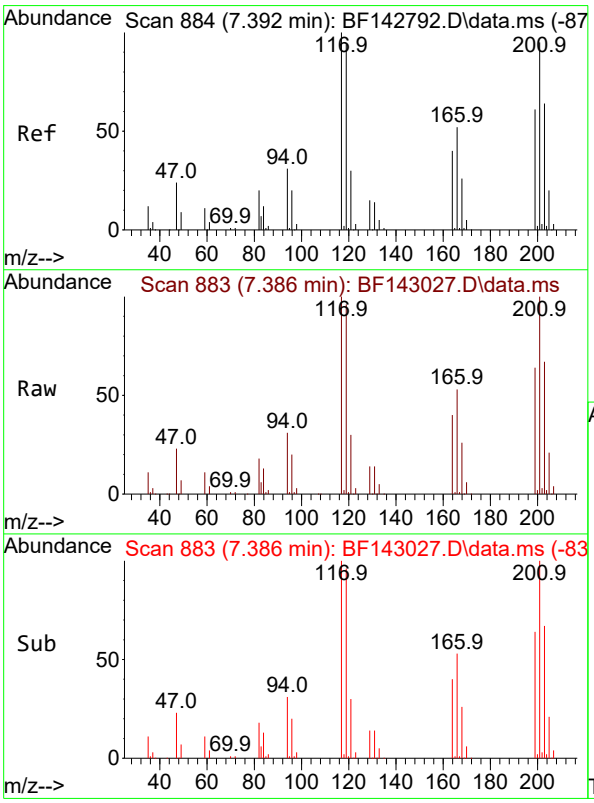
#17
2-Methylphenol
Concen: 46.074 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:107 Resp: 132355

Ion	Ratio	Lower	Upper
107	100		
108	113.7	90.9	136.3
77	51.3	37.3	55.9
79	50.4	37.2	55.8

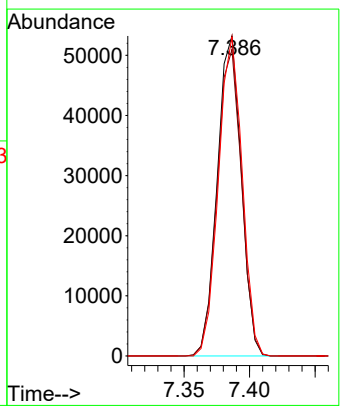


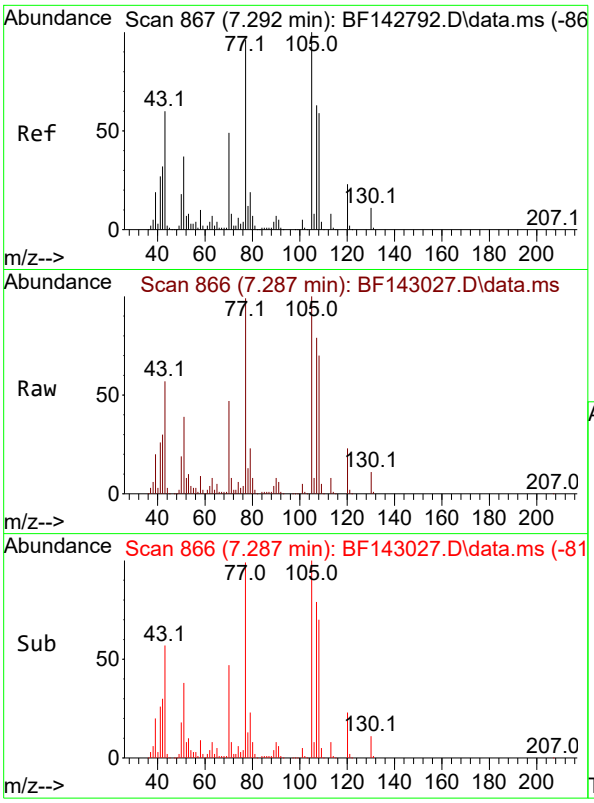


#18
Hexachloroethane
Concen: 45.248 ng
RT: 7.386 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:117 Resp: 67694

Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.4	113.0
201	99.7	75.9	113.9



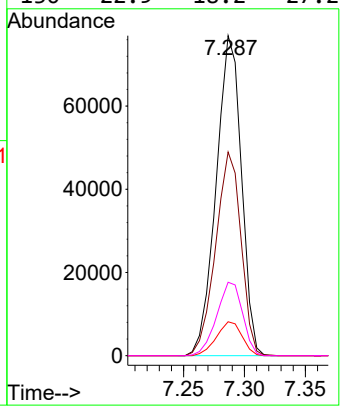


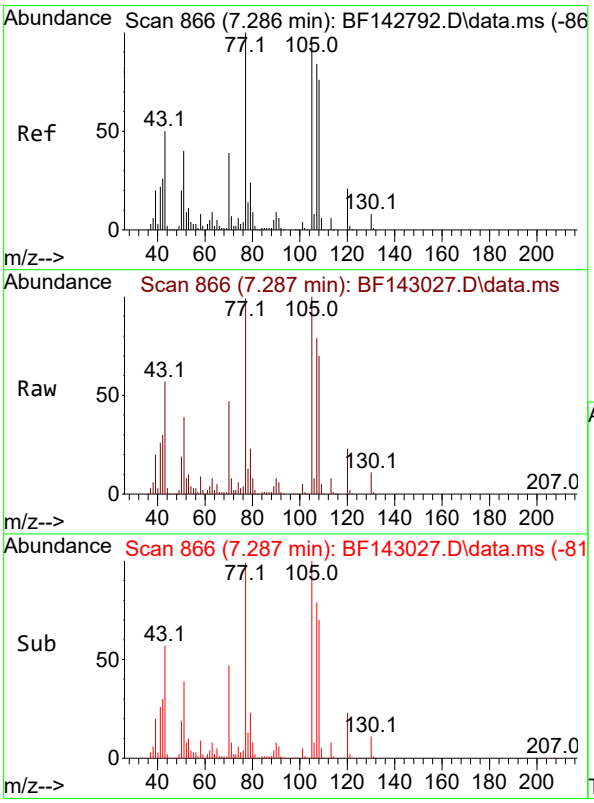
#19
n-Nitroso-di-n-propylamine
Concen: 46.064 ng
RT: 7.287 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion: 70 Resp: 111074

Ion	Ratio	Lower	Upper
70	100		
42	63.7	52.1	78.1
101	10.6	8.2	12.2
130	22.9	18.2	27.2

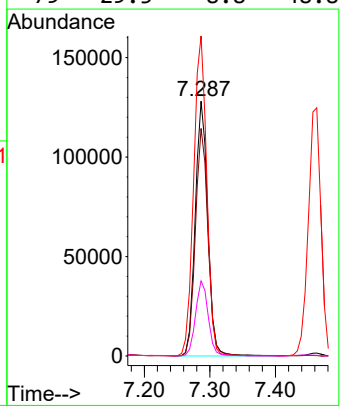


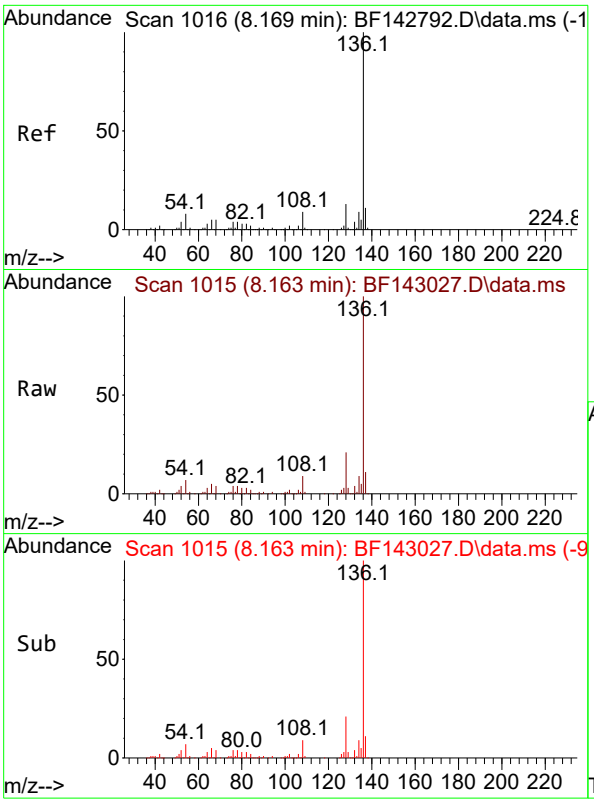


#20
3+4-Methylphenols
Concen: 47.709 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:107 Resp: 170879

Ion	Ratio	Lower	Upper
107	100		
108	89.3	70.0	110.0
77	125.7	98.5	138.5
79	29.5	8.8	48.8



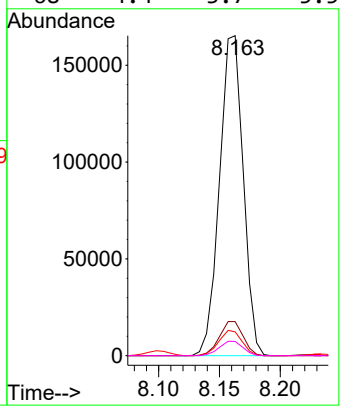


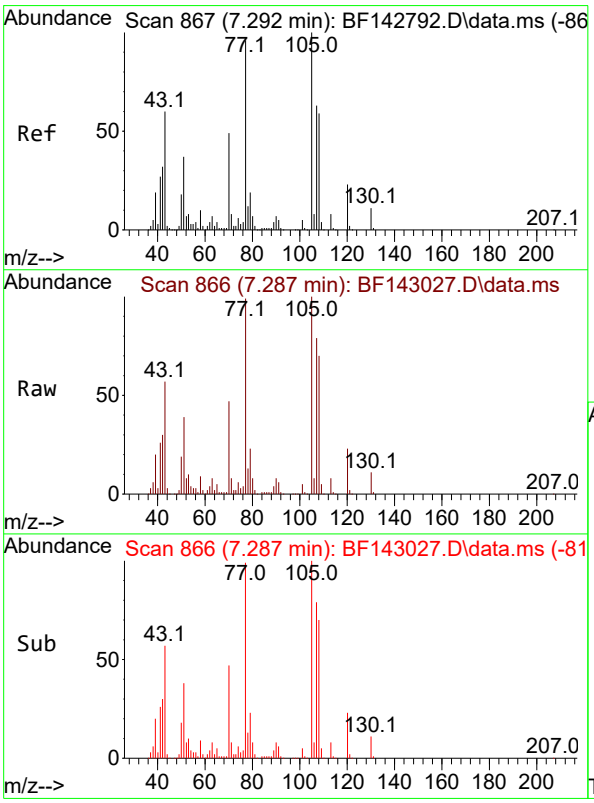
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:136 Resp: 224473

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	7.5	6.3	9.5
68	4.4	3.7	5.5

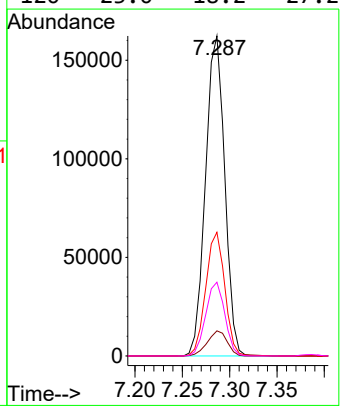


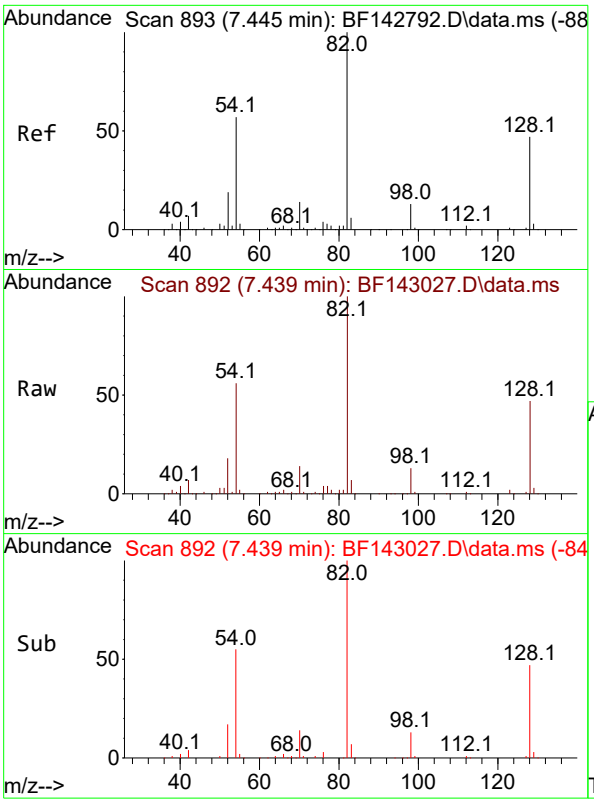


#22
Acetophenone
Concen: 46.259 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:105 Resp: 228983

Ion	Ratio	Lower	Upper
105	100		
71	7.9	6.5	9.7
51	38.6	29.8	44.8
120	23.0	18.2	27.2



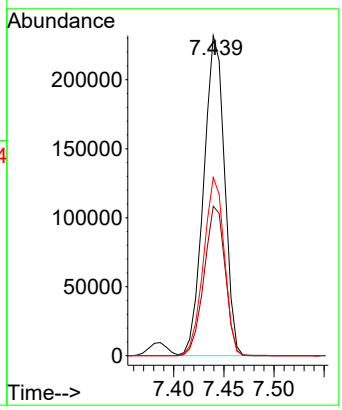


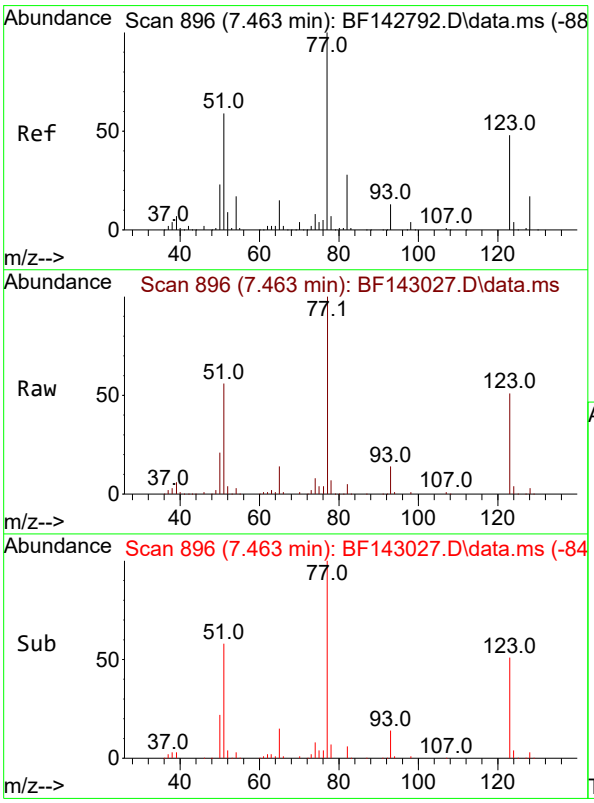
#23
Nitrobenzene-d5
Concen: 81.989 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion: 82 Resp: 335535

Ion	Ratio	Lower	Upper
82	100		
128	46.7	37.7	56.5
54	55.7	45.7	68.5

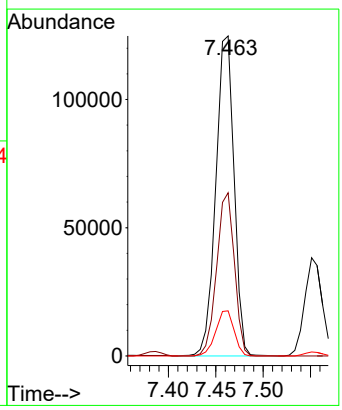


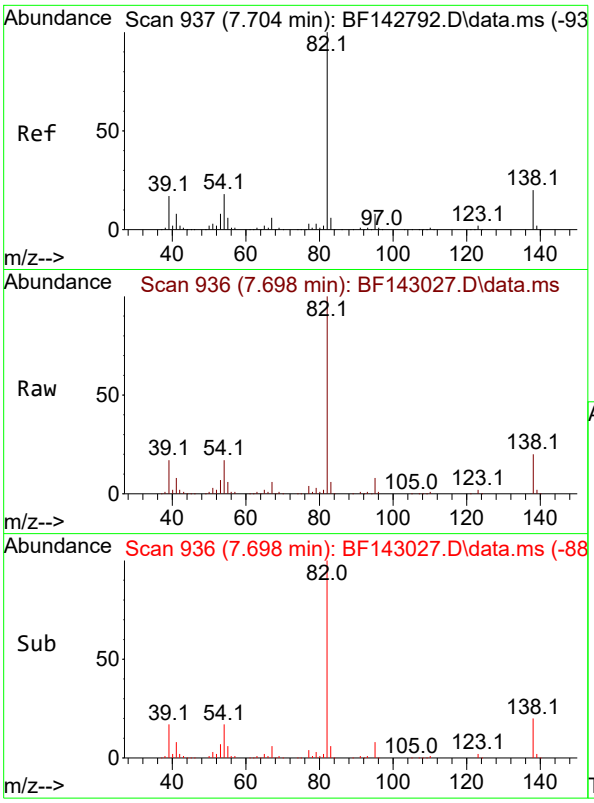


#24
Nitrobenzene
Concen: 45.257 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion: 77 Resp: 167633

Ion	Ratio	Lower	Upper
77	100		
123	51.0	39.2	58.8
65	14.1	11.6	17.4



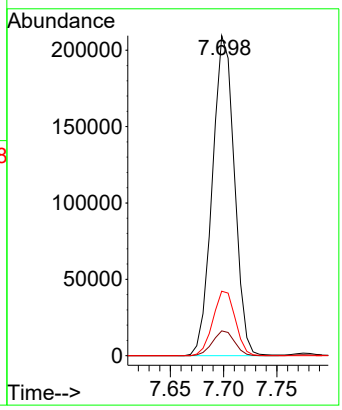


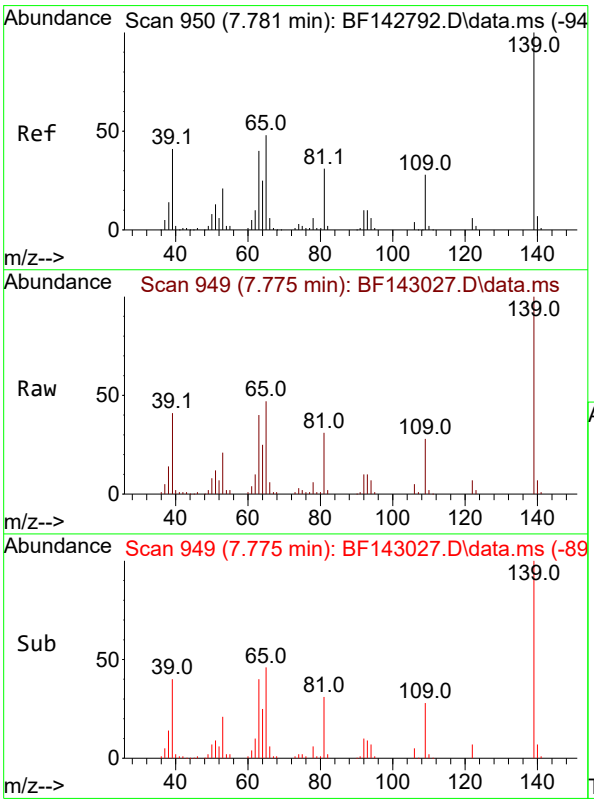
#25
Isophorone
Concen: 45.949 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion: 82 Resp: 301651

Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.2	9.2
138	20.2	16.2	24.4

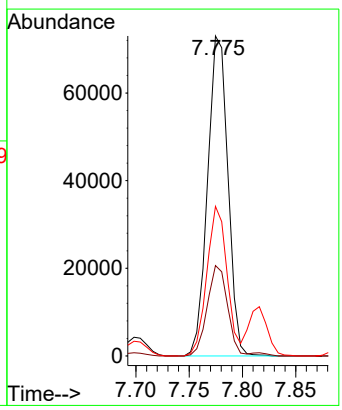


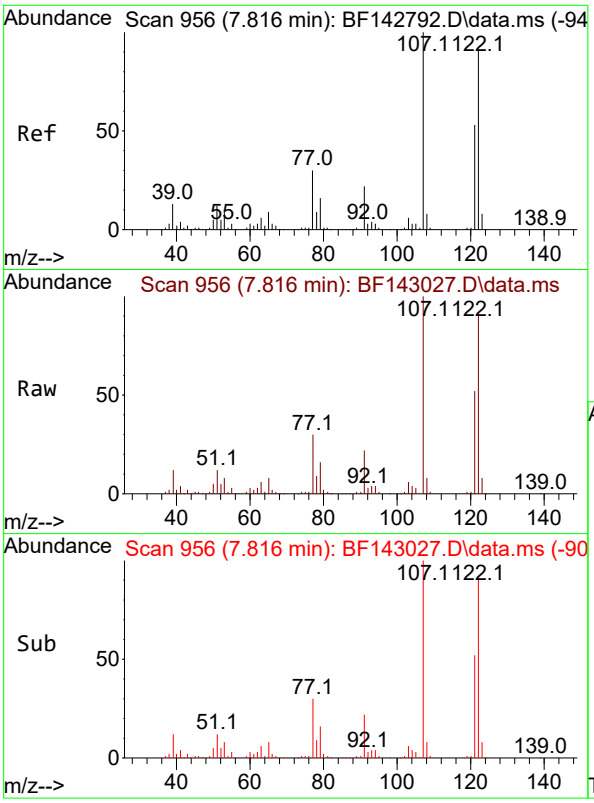


#26
2-Nitrophenol
Concen: 48.085 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:139 Resp: 97023

Ion	Ratio	Lower	Upper
139	100		
109	28.3	22.7	34.1
65	46.8	38.6	58.0



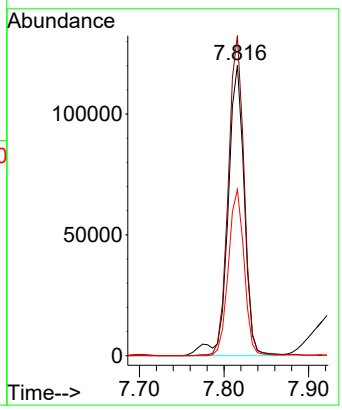


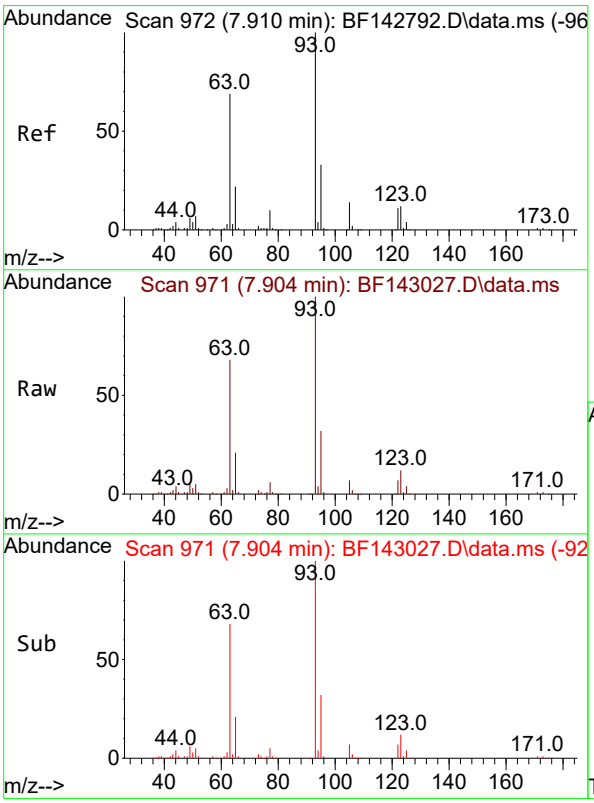
#27
2,4-Dimethylphenol
Concen: 45.799 ng m
RT: 7.816 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:122 Resp: 160072

Ion	Ratio	Lower	Upper
122	100		
107	110.1	88.0	132.0
121	57.2	46.3	69.5

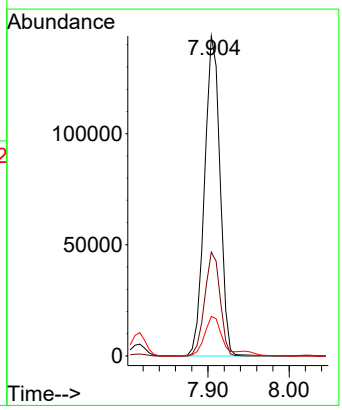


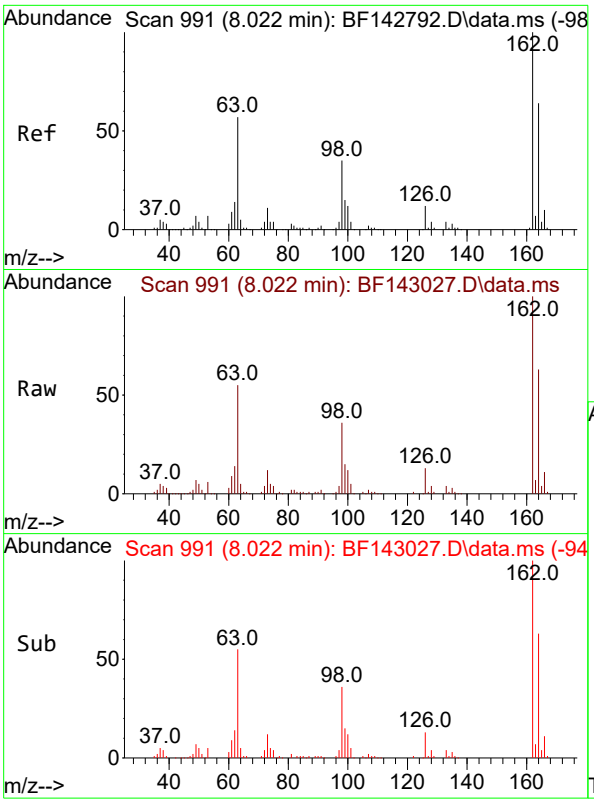


#28
bis(2-Chloroethoxy)methane
Concen: 45.551 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion: 93 Resp: 190115

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.2	39.2
123	12.4	9.9	14.9



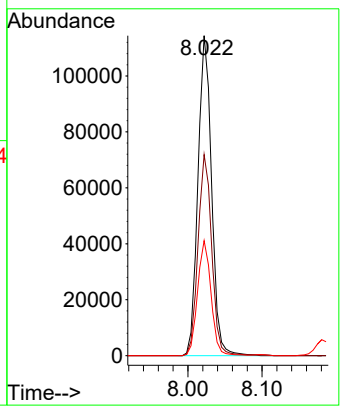


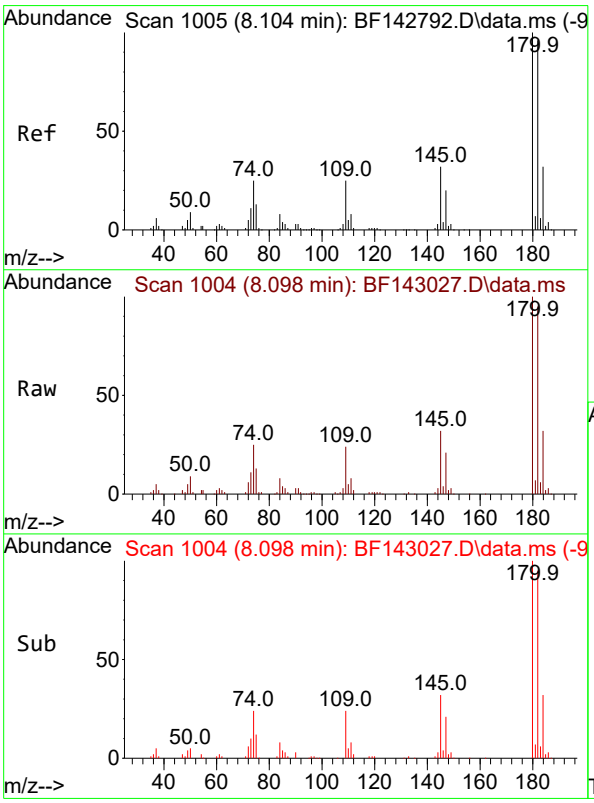
#29
2,4-Dichlorophenol
Concen: 46.304 ng
RT: 8.022 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:162 Resp: 146741

Ion	Ratio	Lower	Upper
162	100		
164	62.8	44.0	84.0
98	35.9	15.4	55.4

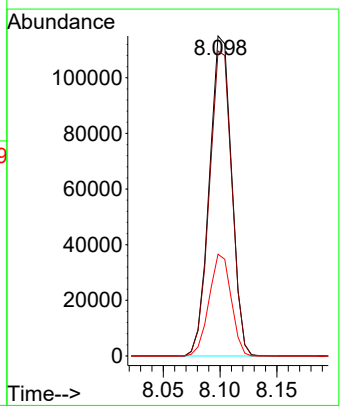


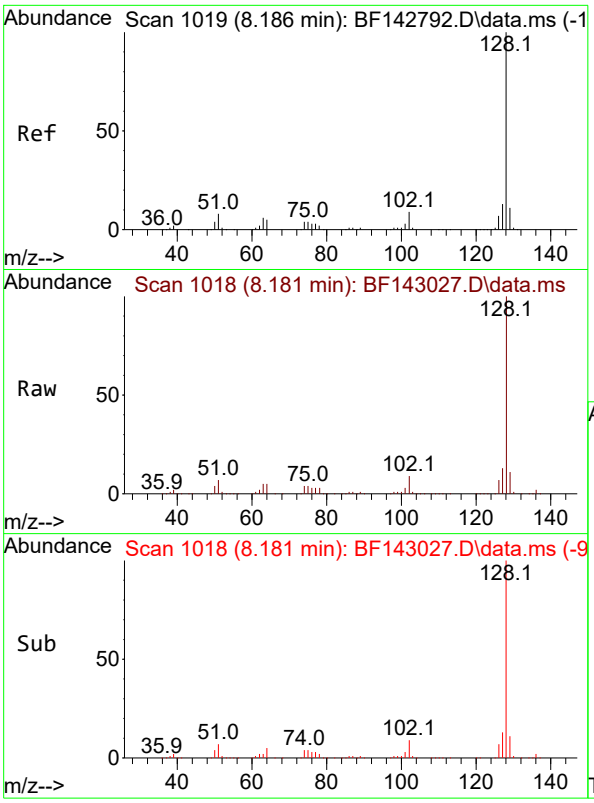


#30
1,2,4-Trichlorobenzene
Concen: 44.953 ng
RT: 8.098 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:180 Resp: 156650

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.4	114.6
145	31.8	25.8	38.8



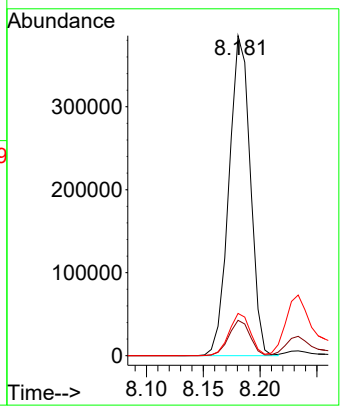


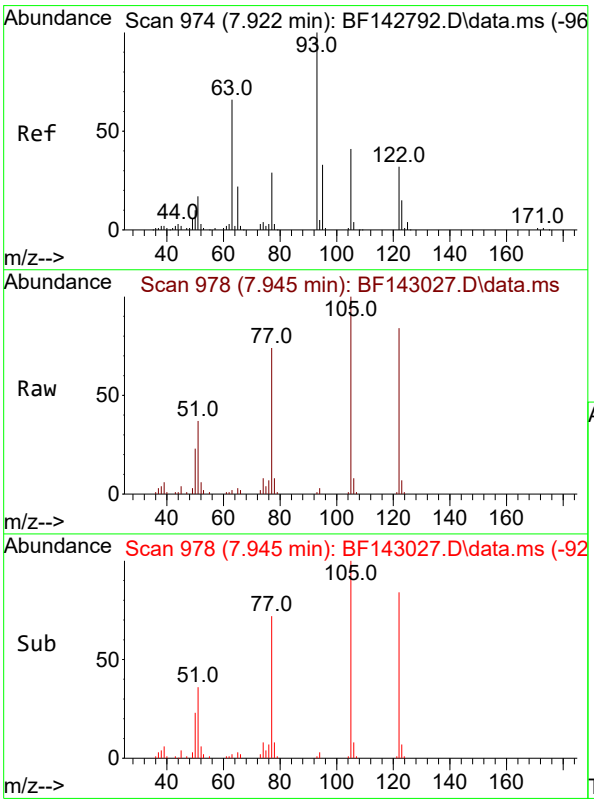
#31
Naphthalene
Concen: 45.756 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:128 Resp: 502748

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.2	10.4	15.6

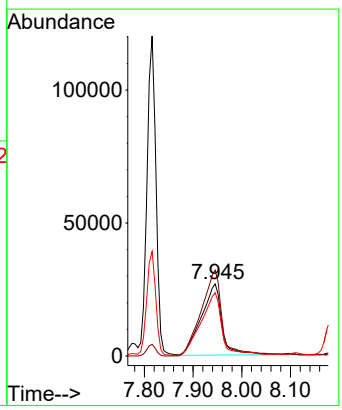


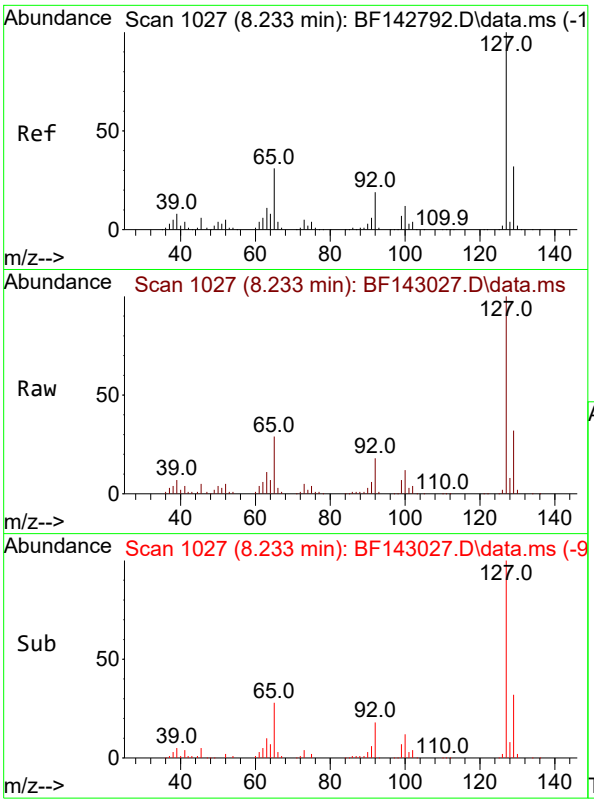


#32
Benzoic acid
Concen: 44.348 ng
RT: 7.945 min Scan# 978
Delta R.T. 0.024 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:122 Resp: 79001

Ion	Ratio	Lower	Upper
122	100		
105	119.3	104.7	144.7
77	87.8	70.2	110.2



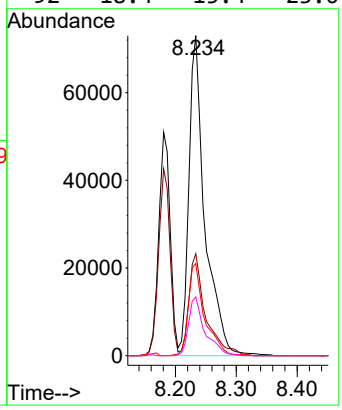


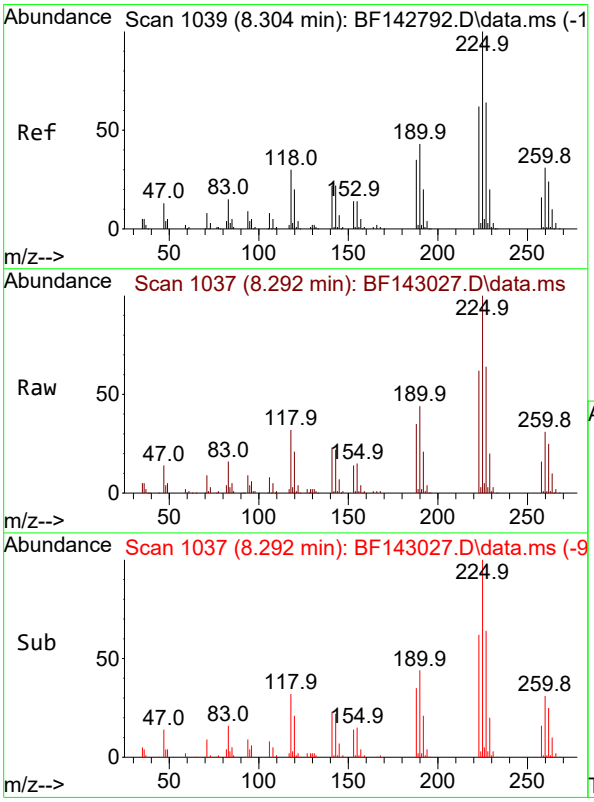
#33
4-Chloroaniline
Concen: 29.852 ng
RT: 8.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:127 Resp: 133370

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.9	38.9
65	28.8	24.6	36.8
92	18.4	15.4	23.0

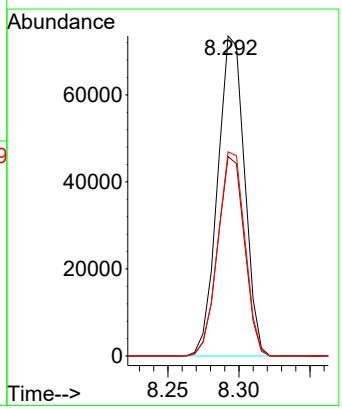


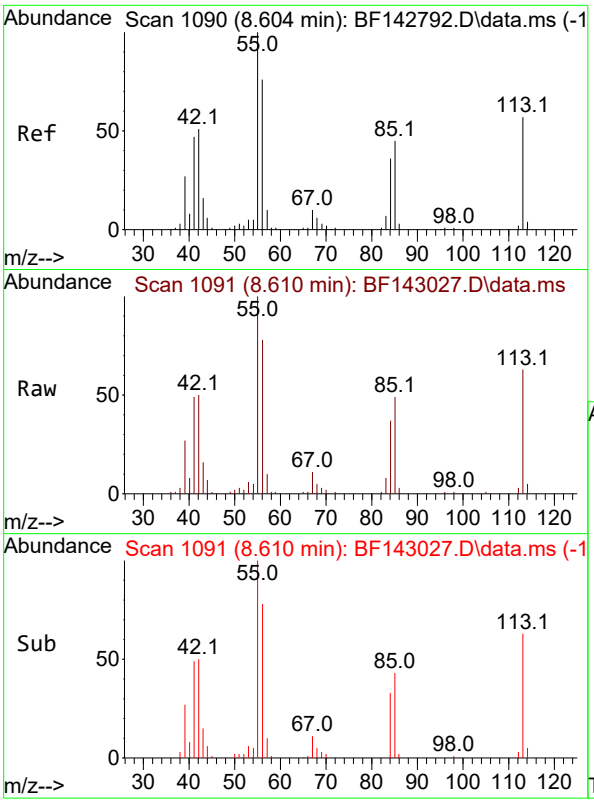


#34
Hexachlorobutadiene
Concen: 45.382 ng
RT: 8.292 min Scan# 1037
Delta R.T. -0.012 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:225 Resp: 96733

Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.9	74.9
227	63.8	51.4	77.0



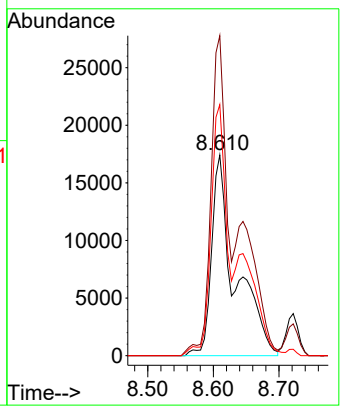


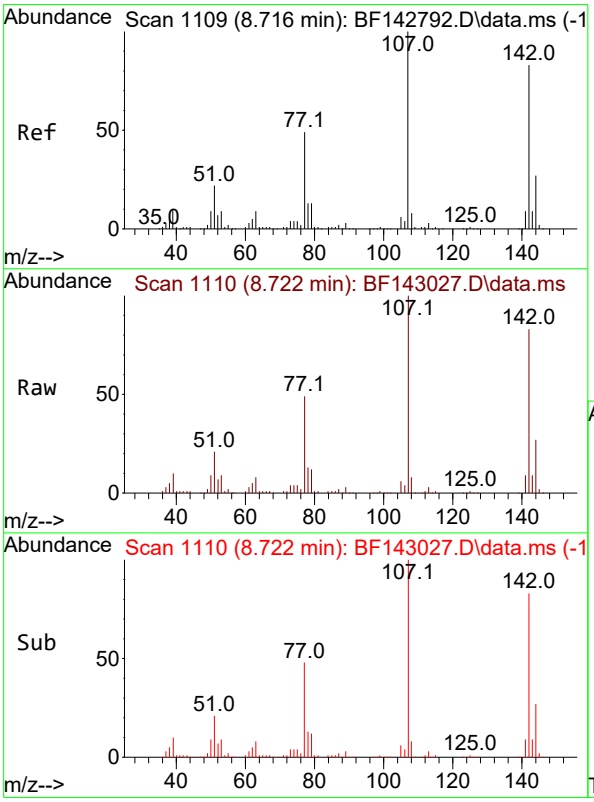
#35
Caprolactam
Concen: 52.126 ng m
RT: 8.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:113 Resp: 43590

Ion	Ratio	Lower	Upper
113	100		
55	159.5	154.4	194.4
56	125.1	112.1	152.1

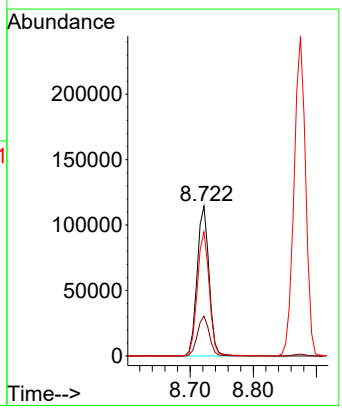


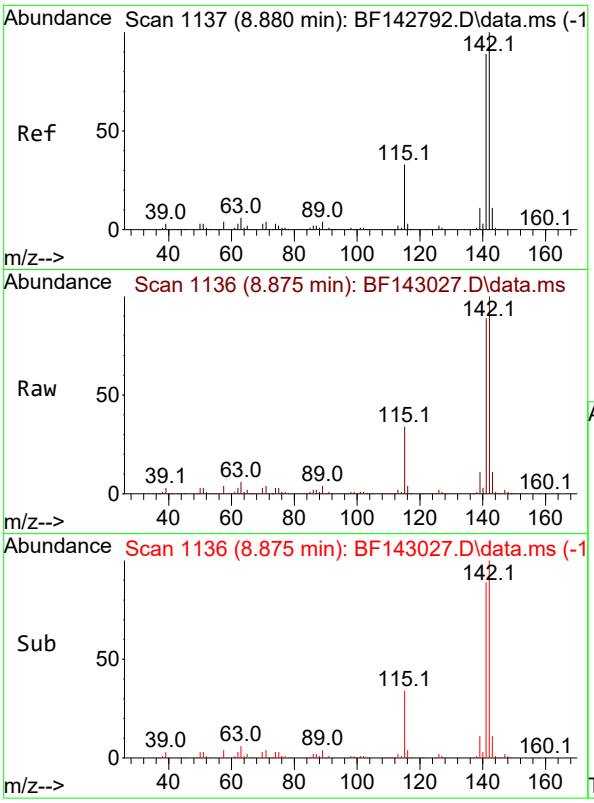


#36
4-Chloro-3-methylphenol
Concen: 47.763 ng
RT: 8.722 min Scan# 1110
Delta R.T. 0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:107 Resp: 150432

Ion	Ratio	Lower	Upper
107	100		
144	26.6	21.3	31.9
142	82.9	66.6	100.0



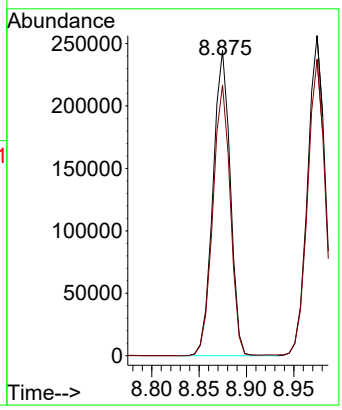


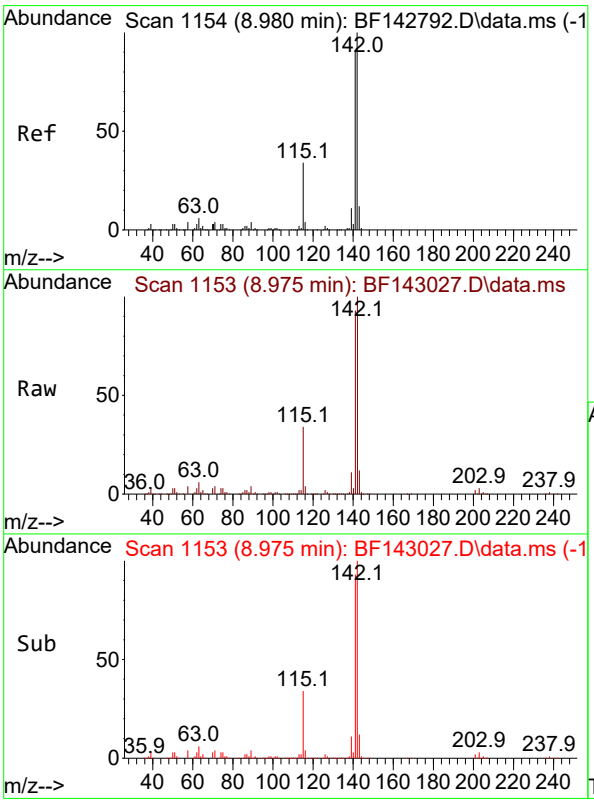
#37
2-Methylnaphthalene
Concen: 45.697 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:142 Resp: 311283

Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.9	106.3

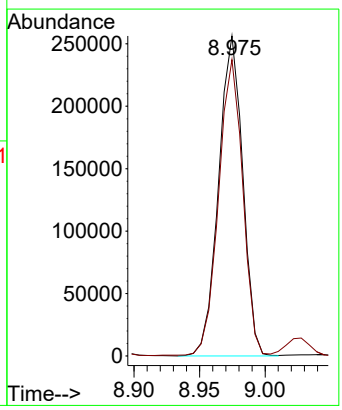


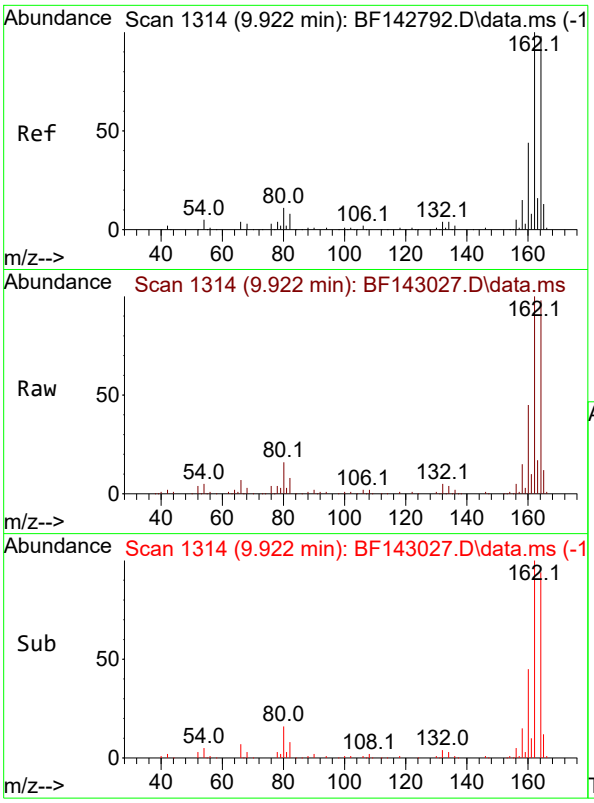


#38
1-Methylnaphthalene
Concen: 46.432 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:142 Resp: 327419

Ion	Ratio	Lower	Upper
142	100		
141	92.6	73.0	109.4



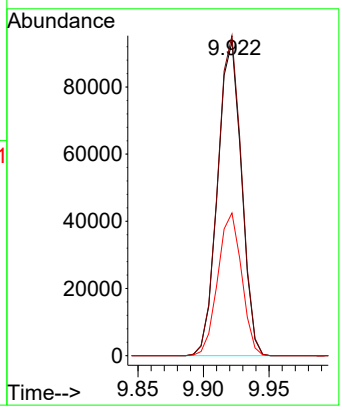


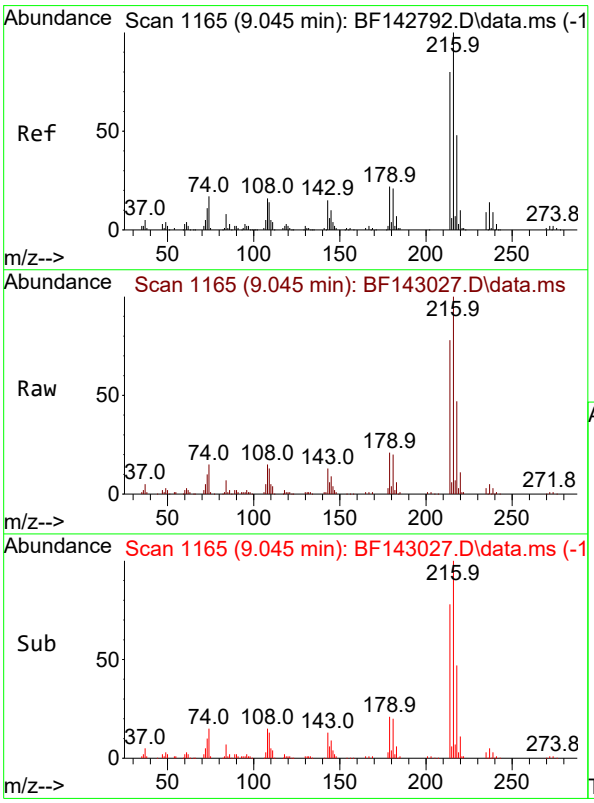
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:164 Resp: 117882

Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.8	122.8
160	45.5	36.0	54.0

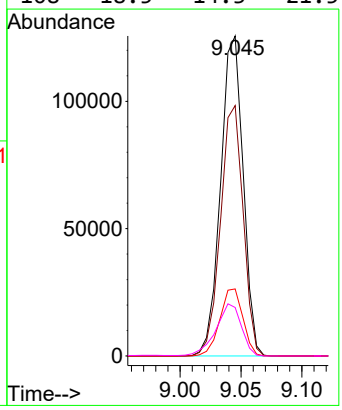


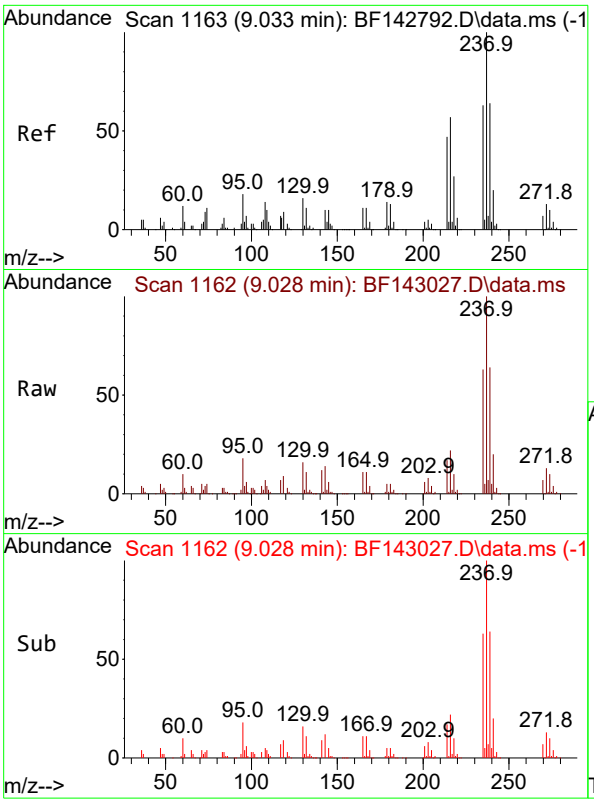


#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.563 ng
RT: 9.045 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:216 Resp: 161961

Ion	Ratio	Lower	Upper
216	100		
214	78.5	63.7	95.5
179	21.4	17.6	26.4
108	18.5	14.3	21.5



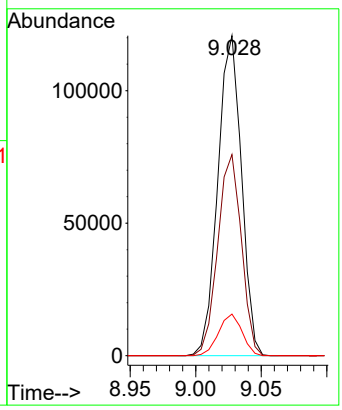


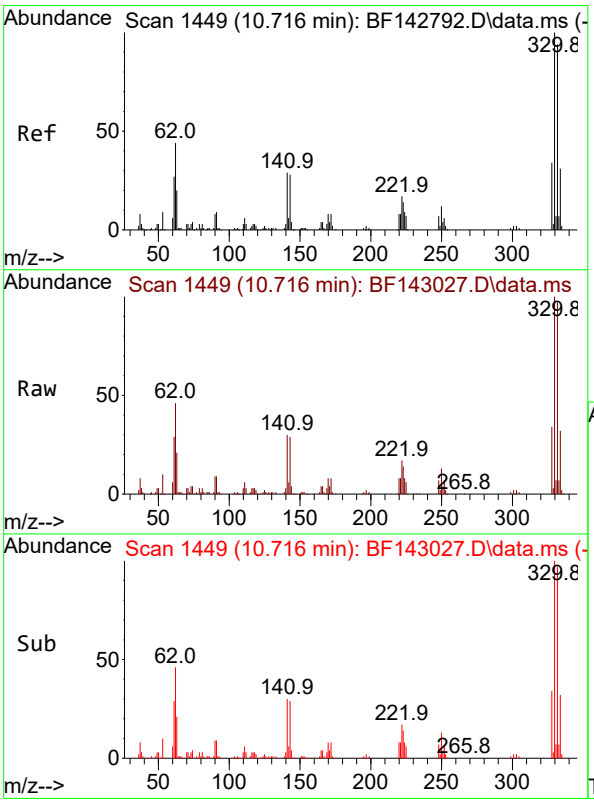
#41
Hexachlorocyclopentadiene
Concen: 76.605 ng
RT: 9.028 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:237 Resp: 151208

Ion	Ratio	Lower	Upper
237	100		
235	62.9	43.4	83.4
272	13.0	0.0	32.7

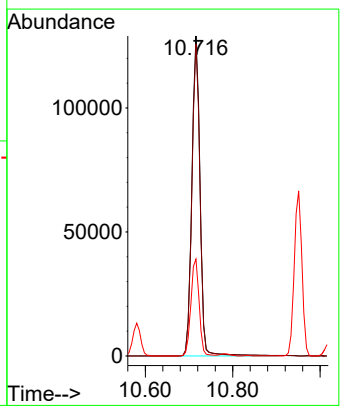


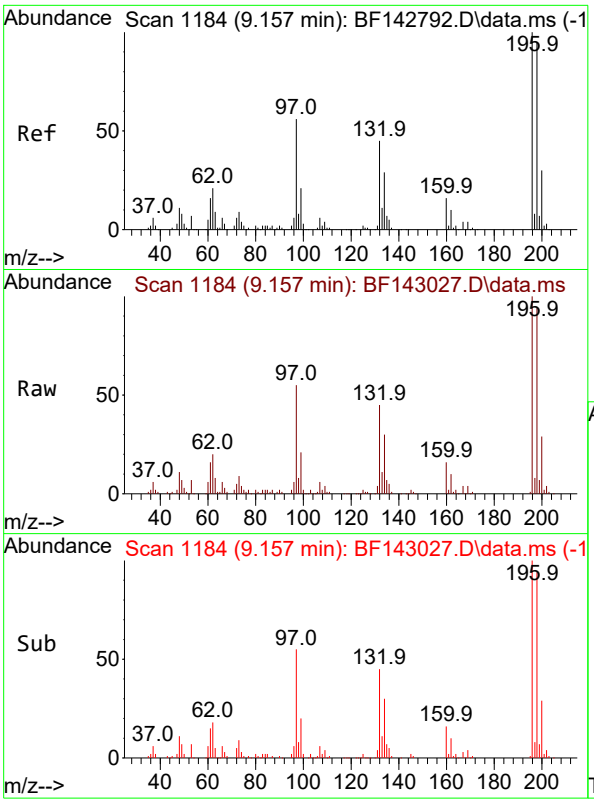


#42
2,4,6-Tribromophenol
Concen: 137.870 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:330 Resp: 167248

Ion	Ratio	Lower	Upper
330	100		
332	96.9	75.0	112.6
141	30.5	25.3	37.9



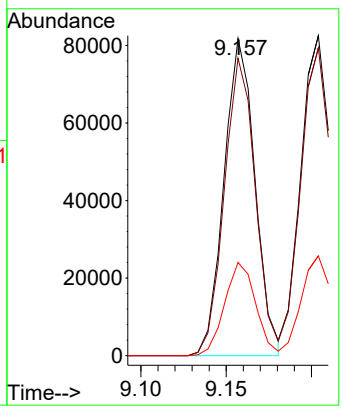


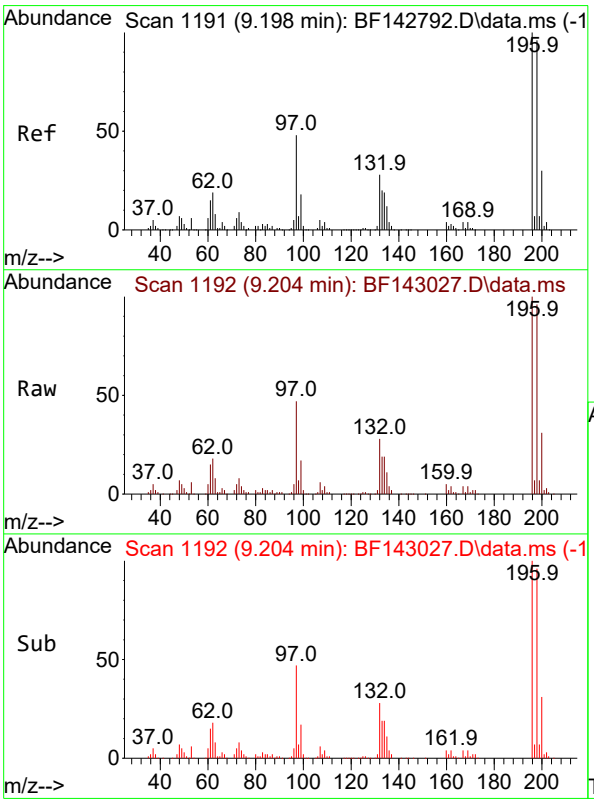
#43
2,4,6-Trichlorophenol
Concen: 45.665 ng
RT: 9.157 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:196 Resp: 103502

Ion	Ratio	Lower	Upper
196	100		
198	93.7	76.2	114.2
200	29.4	24.1	36.1

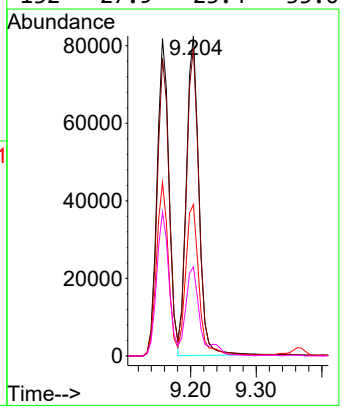


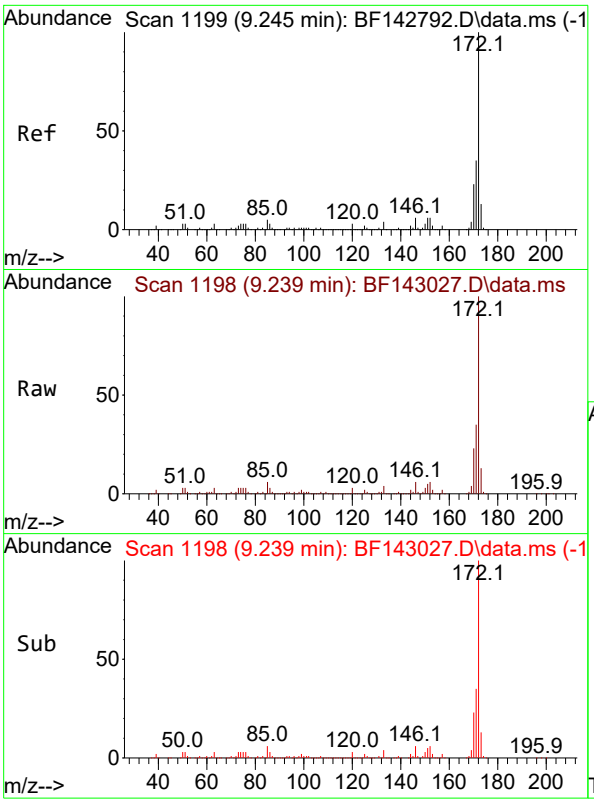


#44
2,4,5-Trichlorophenol
Concen: 45.529 ng
RT: 9.204 min Scan# 1192
Delta R.T. 0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:196 Resp: 108629

Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.6	115.0
97	47.3	38.2	57.2
132	27.9	23.4	35.0



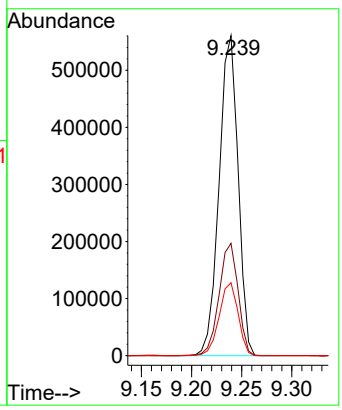


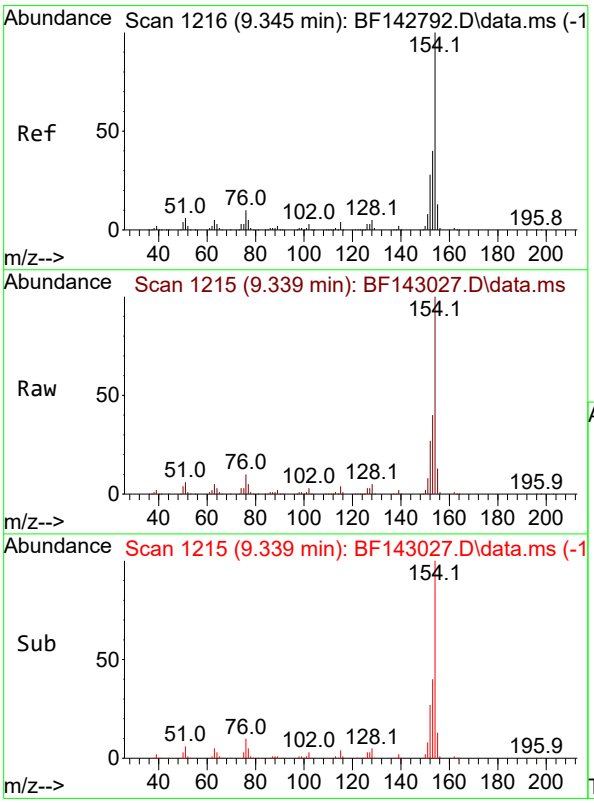
#45
2-Fluorobiphenyl
Concen: 82.244 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:172 Resp: 738017

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.4
170	22.8	18.5	27.7

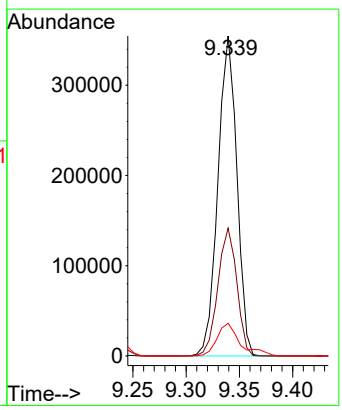


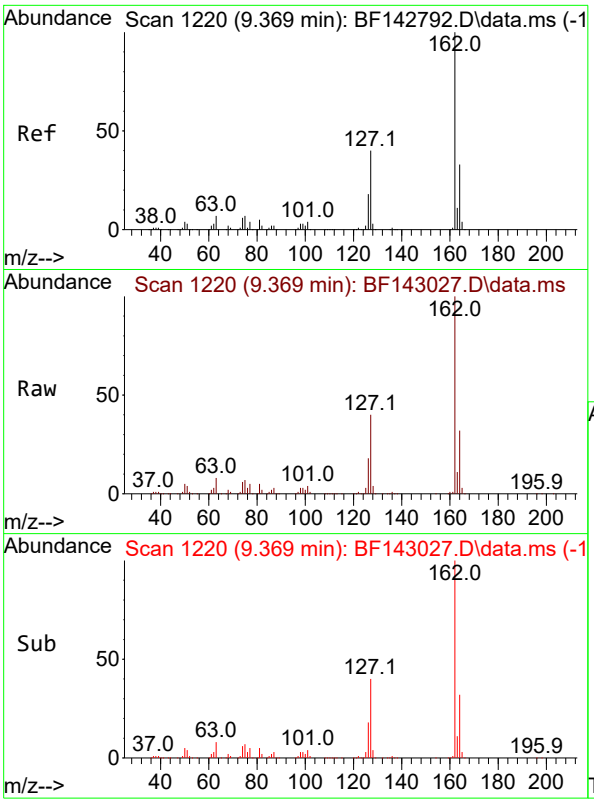


#46
1,1'-Biphenyl
Concen: 47.009 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:154 Resp: 437747

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.3	60.3
76	10.2	0.0	30.3



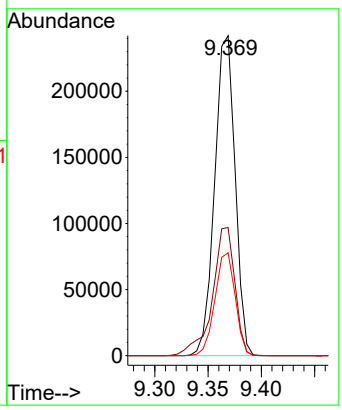


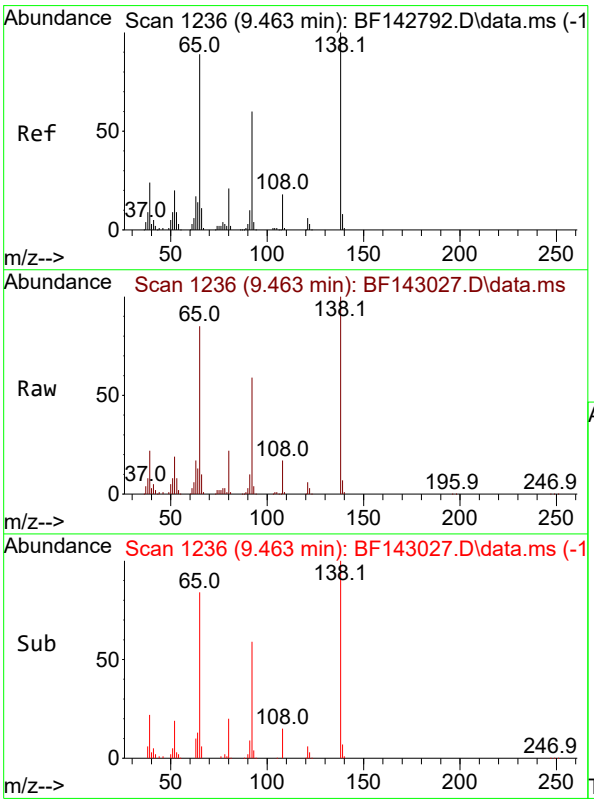
#47
2-Chloronaphthalene
Concen: 46.088 ng
RT: 9.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:162 Resp: 322065

Ion	Ratio	Lower	Upper
162	100		
127	40.1	32.2	48.2
164	32.1	26.1	39.1

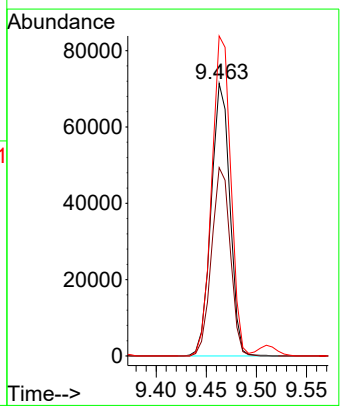


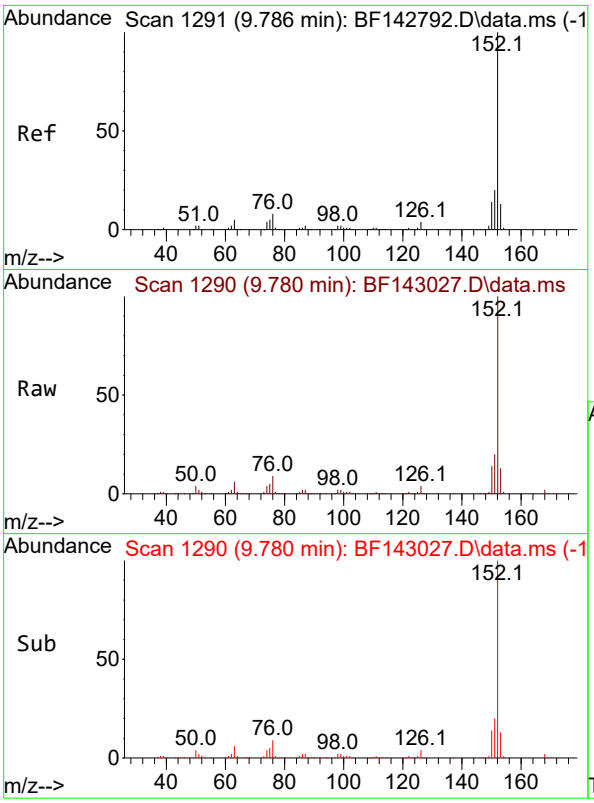


#48
2-Nitroaniline
Concen: 47.342 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion: 65 Resp: 92748

Ion	Ratio	Lower	Upper
65	100		
92	69.1	53.8	80.6
138	117.4	89.6	134.4



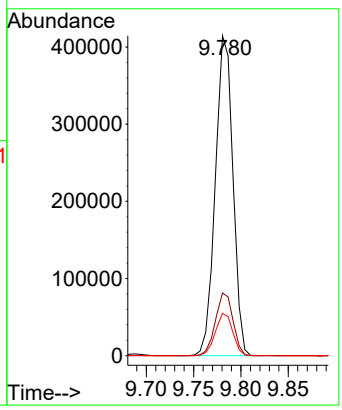


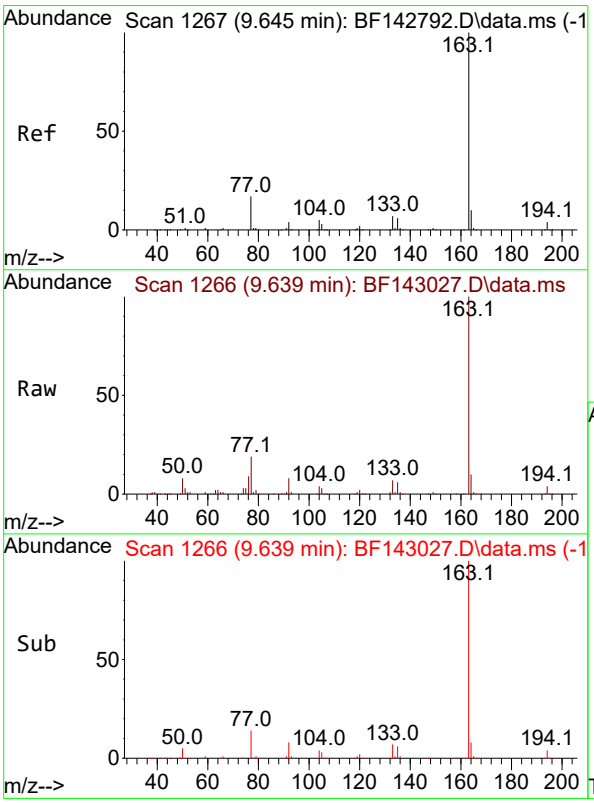
#49
Acenaphthylene
Concen: 46.539 ng
RT: 9.780 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:152 Resp: 535374

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.1	24.1
153	13.2	10.4	15.6

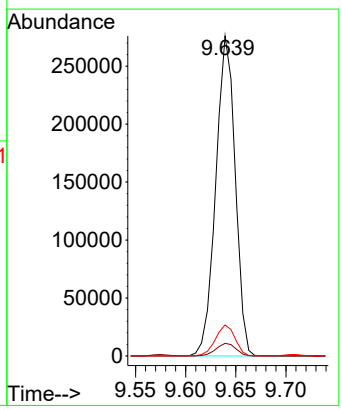


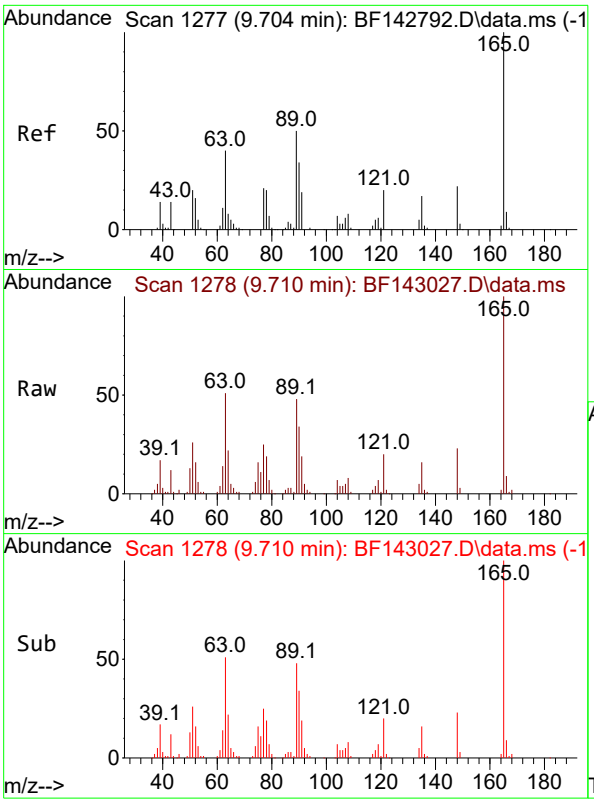


#50
Dimethylphthalate
Concen: 48.678 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:163 Resp: 371441

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	9.7	8.0	12.0



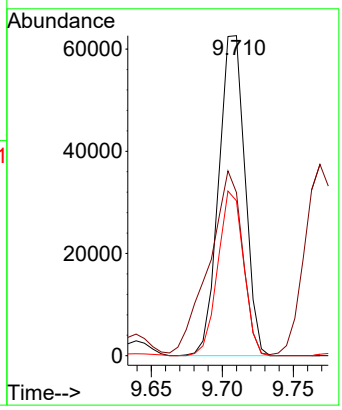


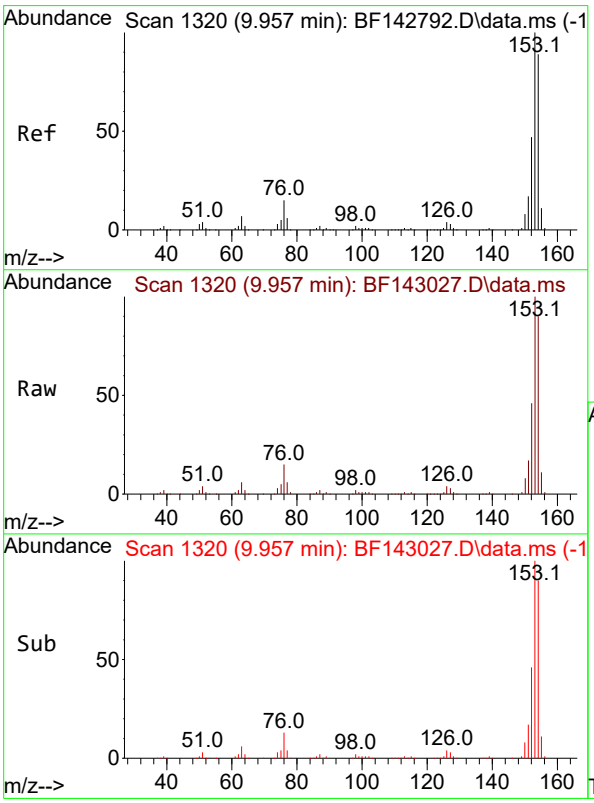
#51
2,6-Dinitrotoluene
Concen: 48.007 ng
RT: 9.710 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:165 Resp: 80447

Ion	Ratio	Lower	Upper
165	100		
63	51.0	44.2	66.4
89	48.4	39.8	59.8

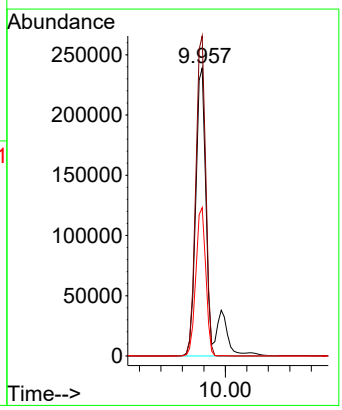


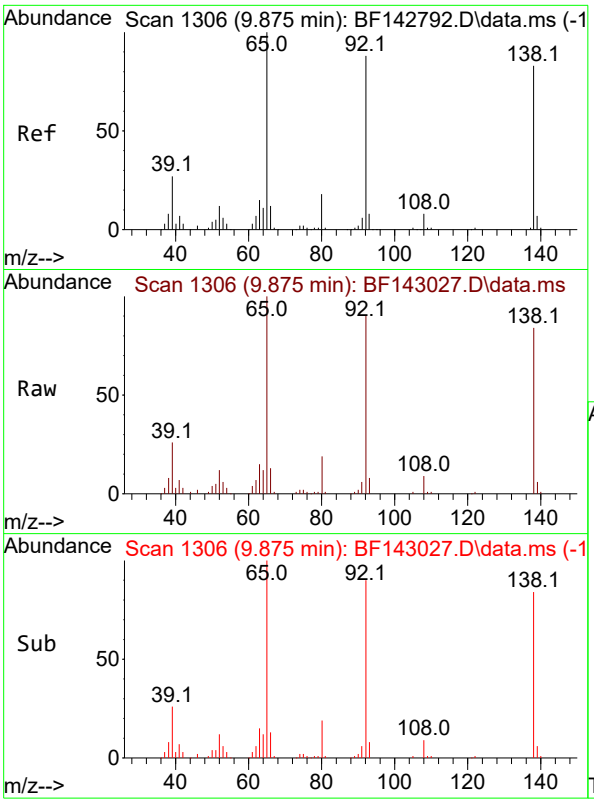


#52
Acenaphthene
Concen: 51.998 ng m
RT: 9.957 min Scan# 1320
Delta R.T. 0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:154 Resp: 364959

Ion	Ratio	Lower	Upper
154	100		
153	111.1	90.0	135.0
152	51.5	41.9	62.9



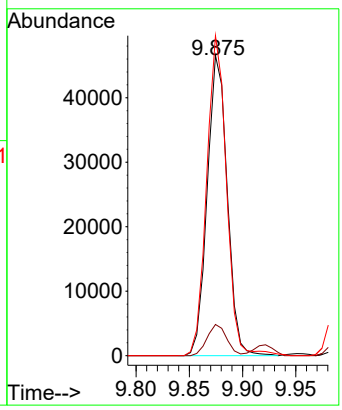


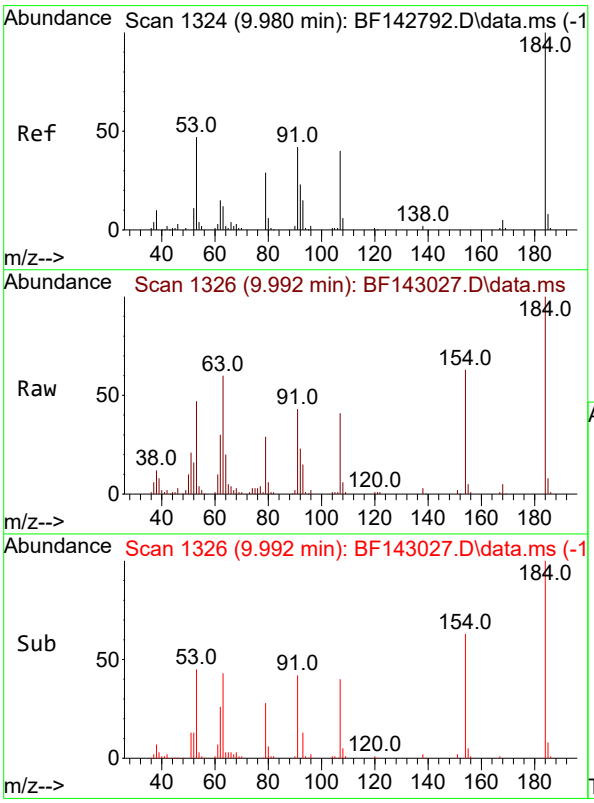
#53
3-Nitroaniline
Concen: 32.959 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:138 Resp: 60810

Ion	Ratio	Lower	Upper
138	100		
108	10.4	8.1	12.1
92	106.6	85.1	127.7

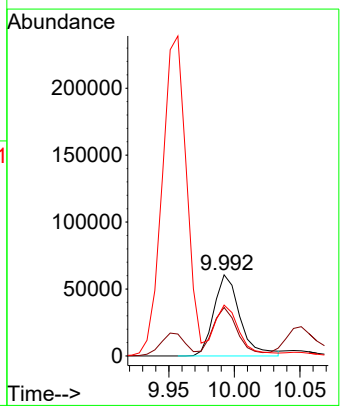


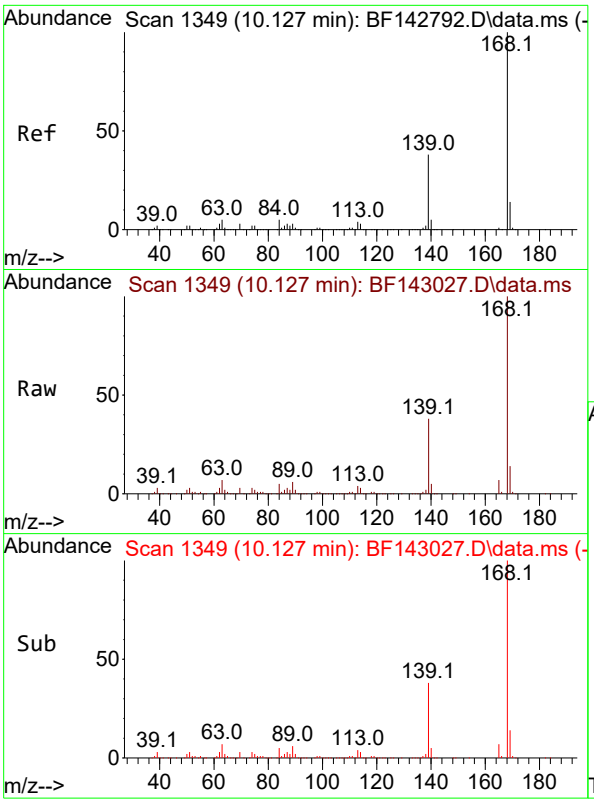


#54
2,4-Dinitrophenol
Concen: 100.016 ng
RT: 9.992 min Scan# 1326
Delta R.T. 0.012 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:184 Resp: 83921

Ion	Ratio	Lower	Upper
184	100		
63	59.8	50.6	75.8
154	62.8	51.8	77.8



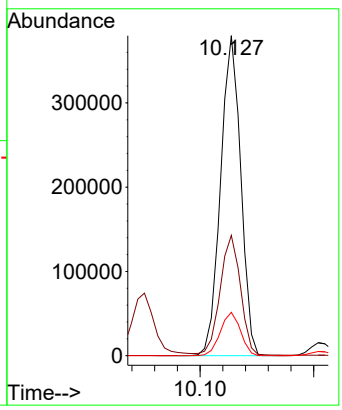


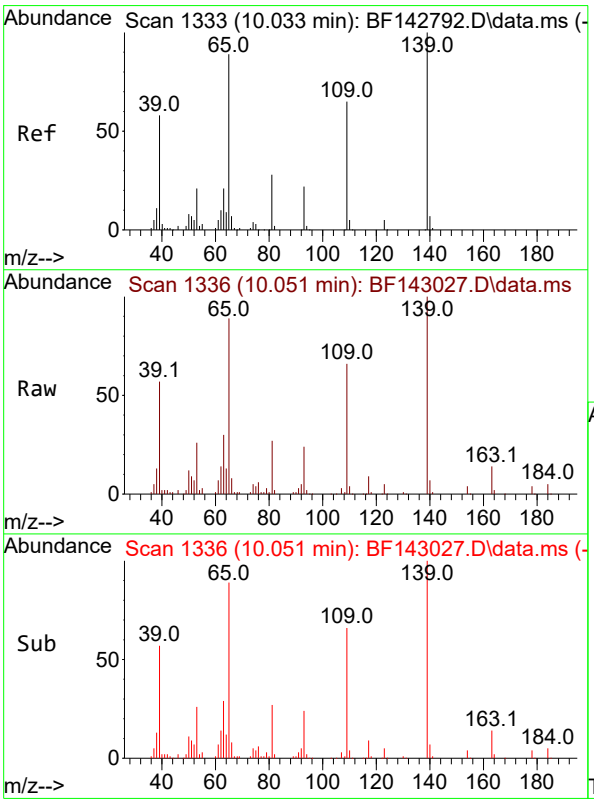
#55
Dibenzofuran
Concen: 46.490 ng
RT: 10.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:168 Resp: 467906

Ion	Ratio	Lower	Upper
168	100		
139	37.6	30.2	45.4
169	13.5	10.8	16.2

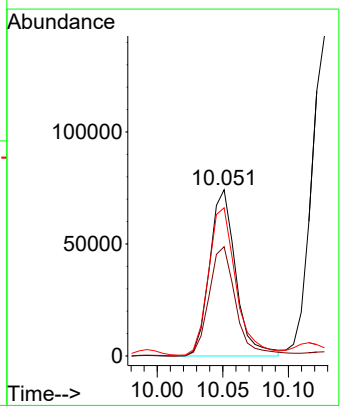


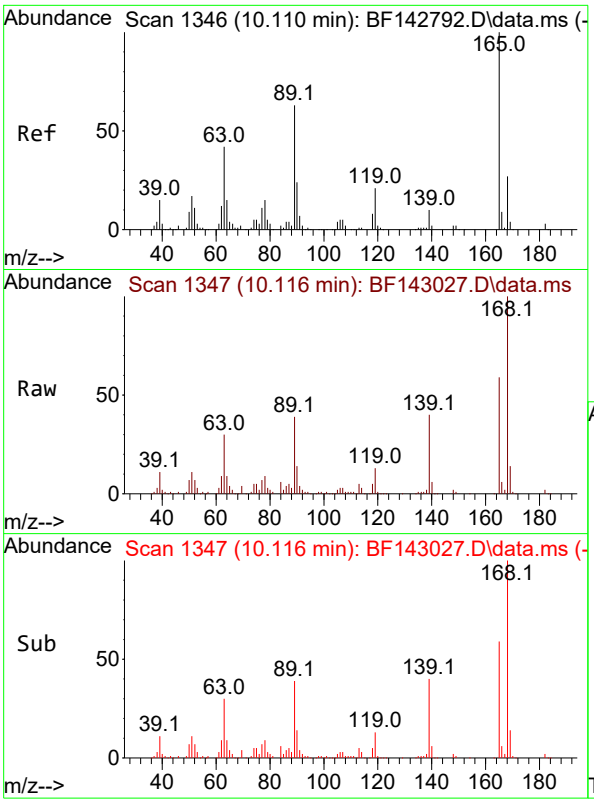


#56
4-Nitrophenol
Concen: 81.491 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.018 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:139 Resp: 102931

Ion	Ratio	Lower	Upper
139	100		
109	65.8	44.7	84.7
65	89.1	69.8	109.8



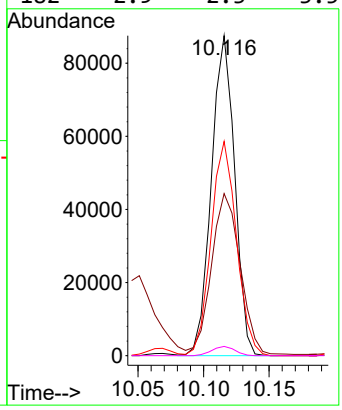


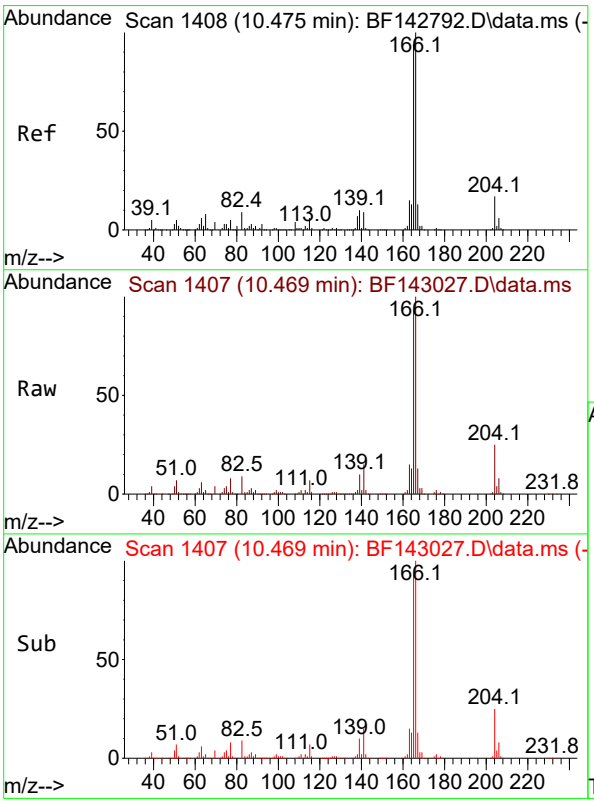
#57
2,4-Dinitrotoluene
Concen: 48.537 ng
RT: 10.116 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:165 Resp: 108038

Ion	Ratio	Lower	Upper
165	100		
63	50.6	33.9	50.9
89	67.0	50.6	75.8
182	2.9	2.3	3.5

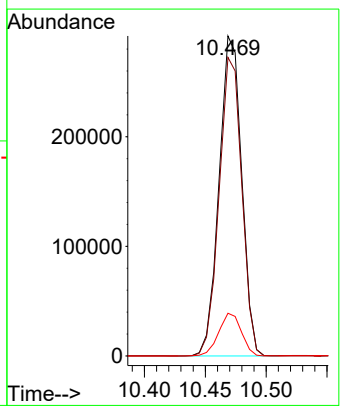


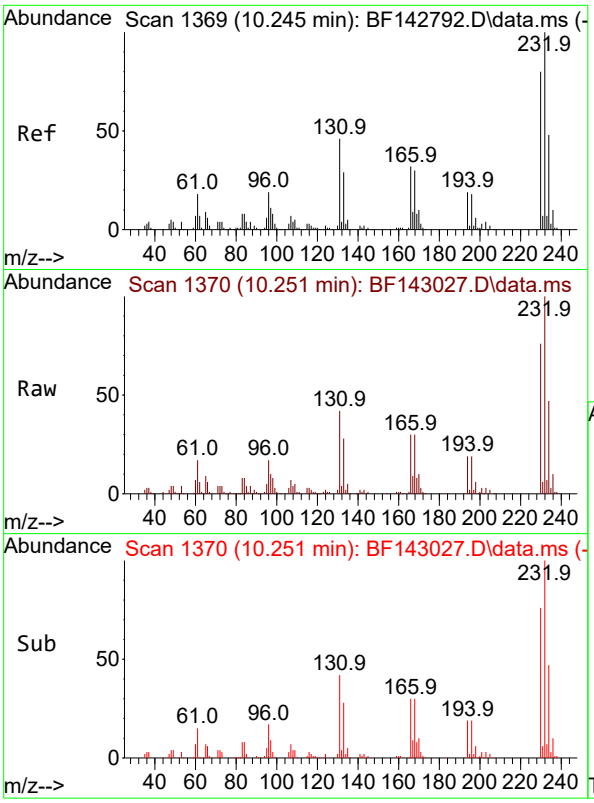


#58
Fluorene
Concen: 47.875 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:166 Resp: 376316

Ion	Ratio	Lower	Upper
166	100		
165	93.3	75.2	112.8
167	13.3	10.6	15.8



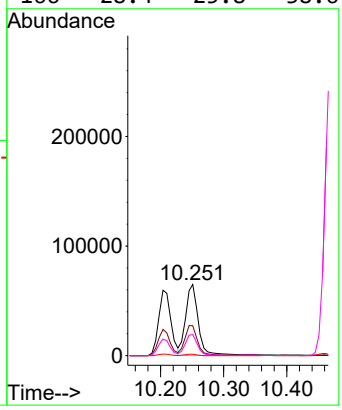


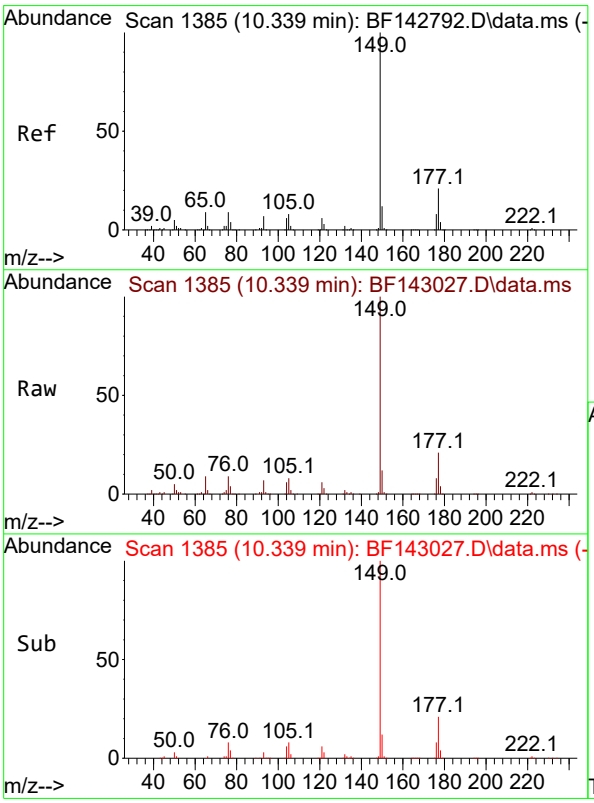
#59
2,3,4,6-Tetrachlorophenol
Concen: 47.081 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:232 Resp: 90547

Ion	Ratio	Lower	Upper
232	100		
131	43.1	37.6	56.4
130	2.0	1.7	2.5
166	28.4	25.8	38.6

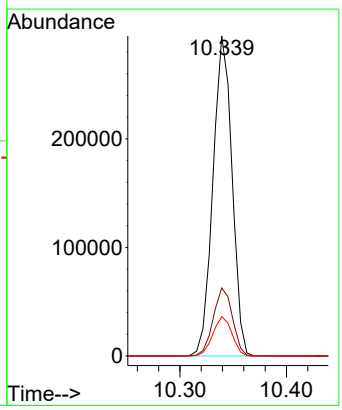


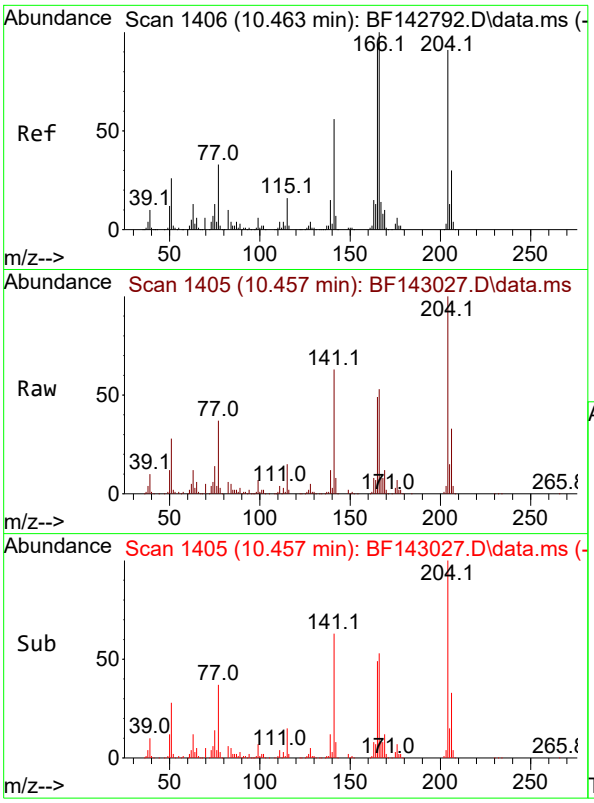


#60
Diethylphthalate
Concen: 49.066 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:149 Resp: 367095

Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.0	25.6
150	12.3	9.8	14.6



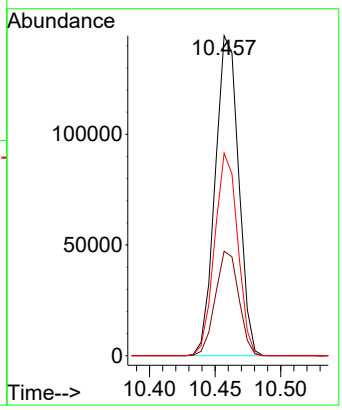


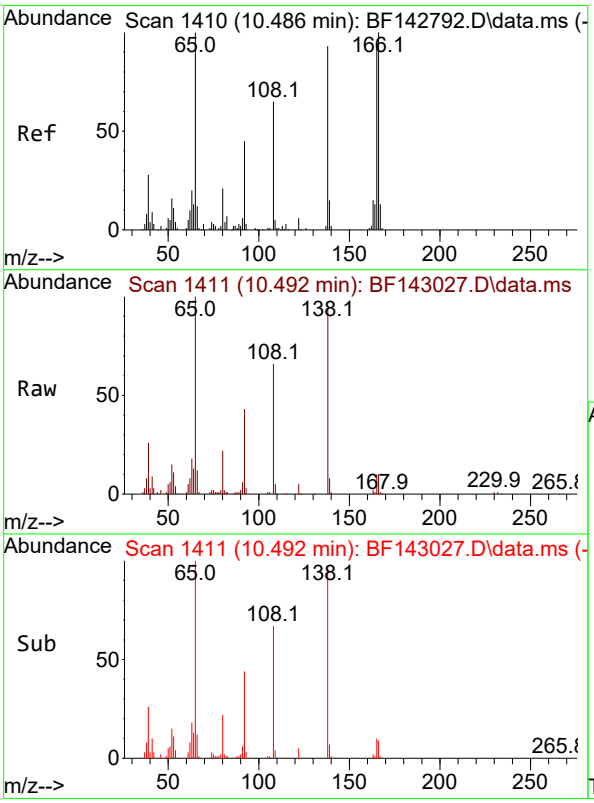
#61
4-Chlorophenyl-phenylether
Concen: 47.852 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:204 Resp: 179485

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.3	39.5
141	63.3	49.1	73.7

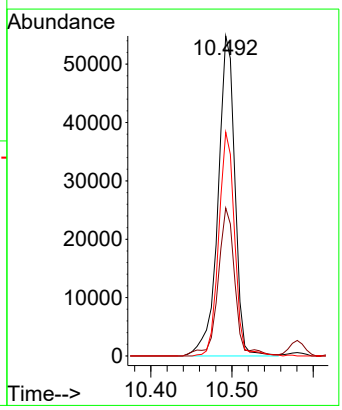


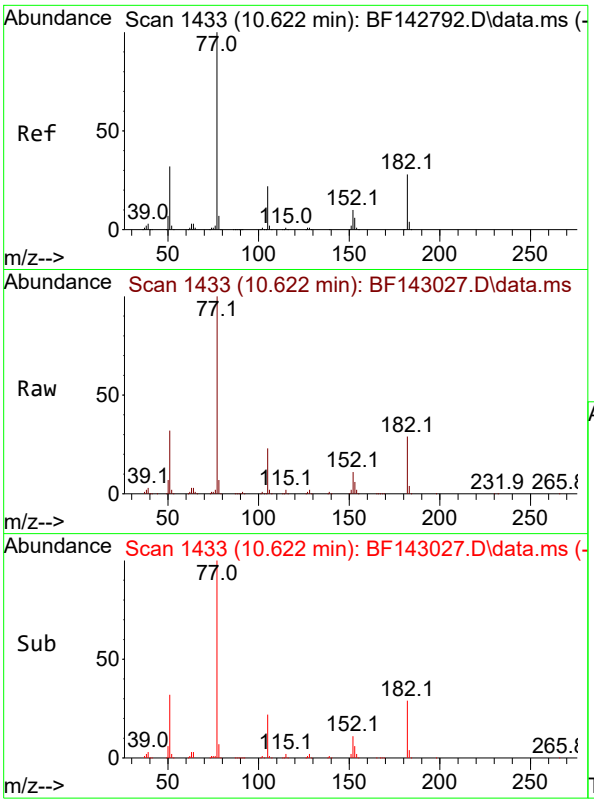


#62
4-Nitroaniline
Concen: 47.004 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:138 Resp: 79314

Ion	Ratio	Lower	Upper
138	100		
92	46.2	28.4	68.4
108	69.9	50.2	90.2



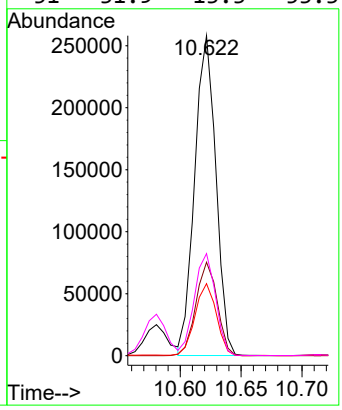


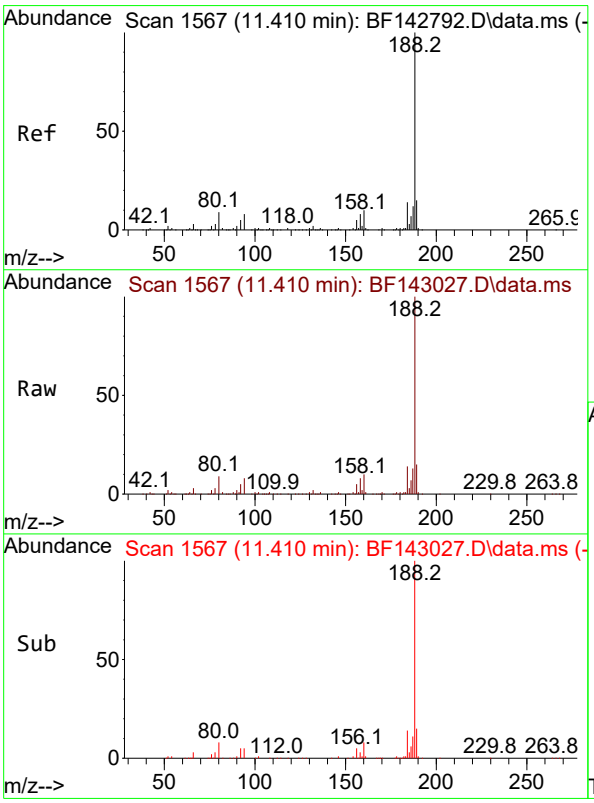
#63
Azobenzene
Concen: 46.670 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion: 77 Resp: 312072

Ion	Ratio	Lower	Upper
77	100		
182	29.2	7.7	47.7
105	22.5	1.9	41.9
51	31.9	13.3	53.3

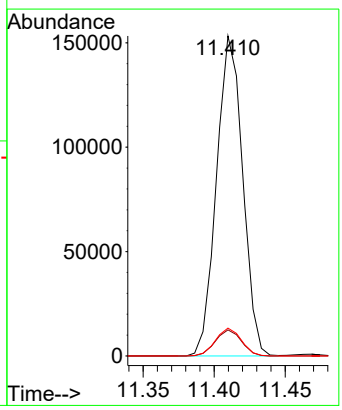


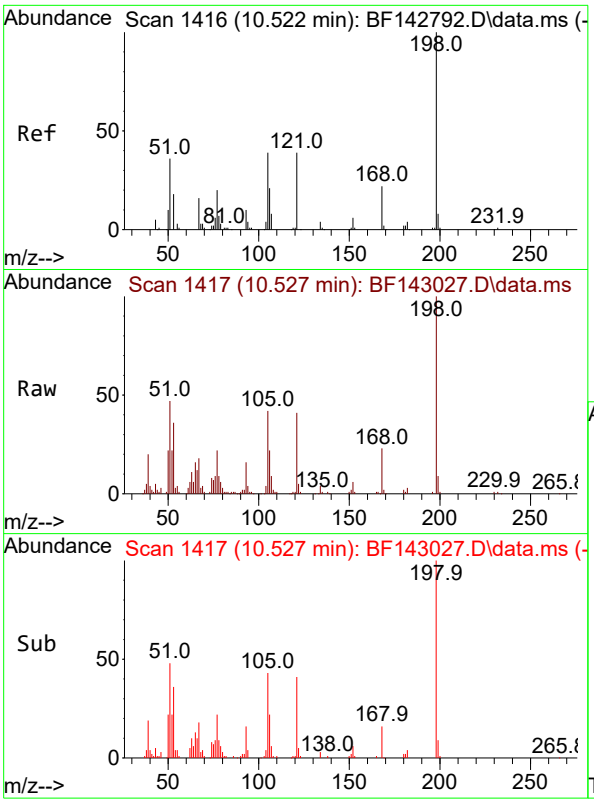


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:188 Resp: 196389

Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.7	10.1
80	8.7	6.9	10.3



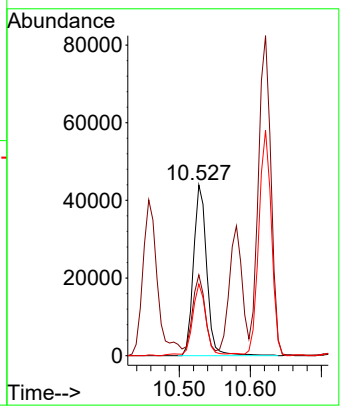


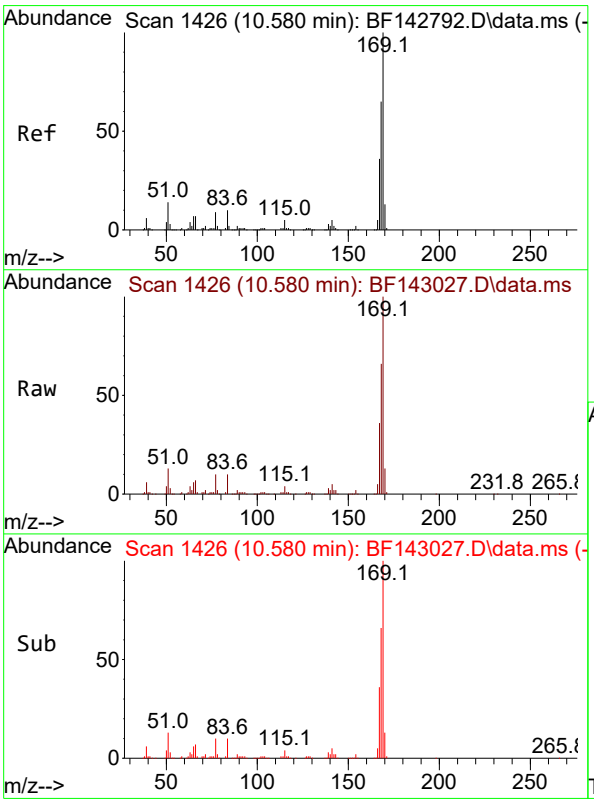
#65
4,6-Dinitro-2-methylphenol
Concen: 48.195 ng
RT: 10.527 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:198 Resp: 57251

Ion	Ratio	Lower	Upper
198	100		
51	47.3	25.4	65.4
105	42.0	20.4	60.4

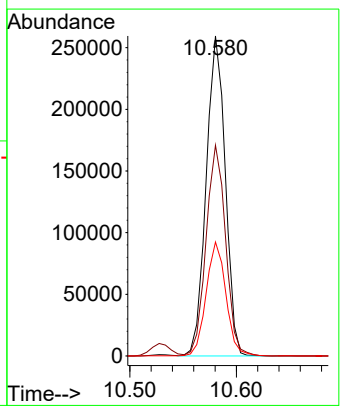


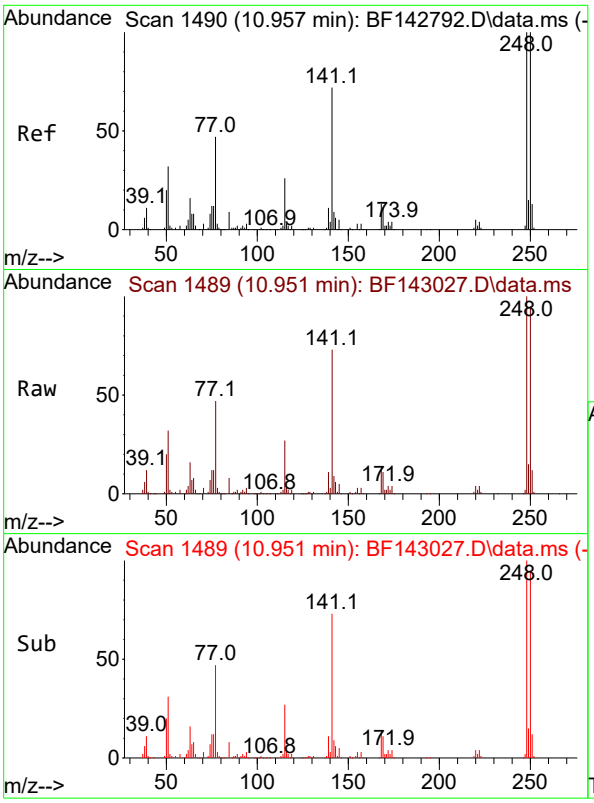


#66
n-Nitrosodiphenylamine
Concen: 47.533 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:169 Resp: 323529

Ion	Ratio	Lower	Upper
169	100		
168	65.9	51.9	77.9
167	35.6	28.5	42.7



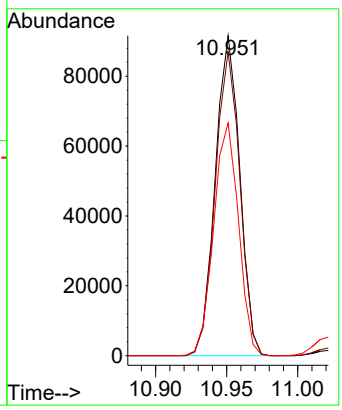


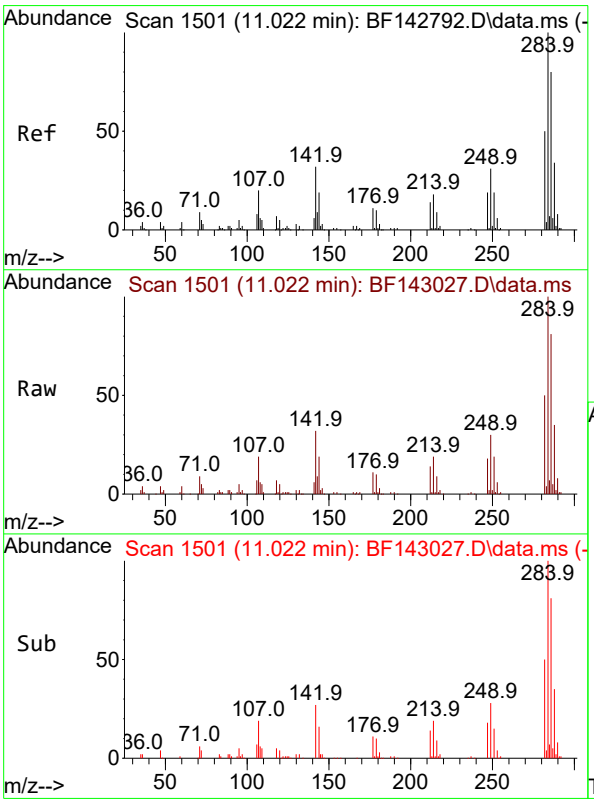
#67
4-Bromophenyl-phenylether
Concen: 49.238 ng
RT: 10.951 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:248 Resp: 110051

Ion	Ratio	Lower	Upper
248	100		
250	95.0	79.8	119.8
141	72.7	57.8	86.6

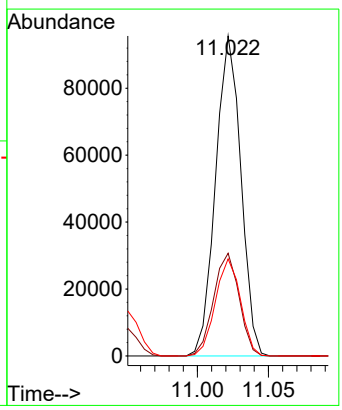


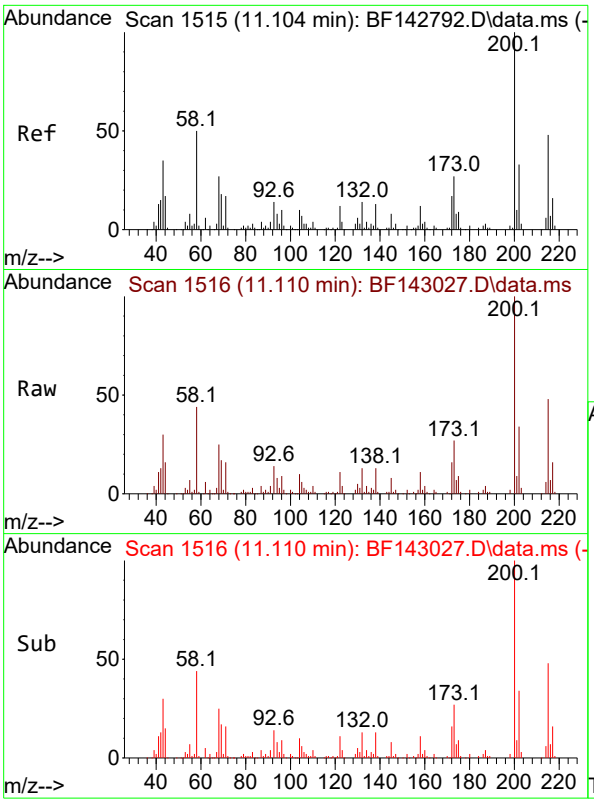


#68
Hexachlorobenzene
Concen: 47.627 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:284 Resp: 118285

Ion	Ratio	Lower	Upper
284	100		
142	32.1	25.5	38.3
249	30.3	24.9	37.3



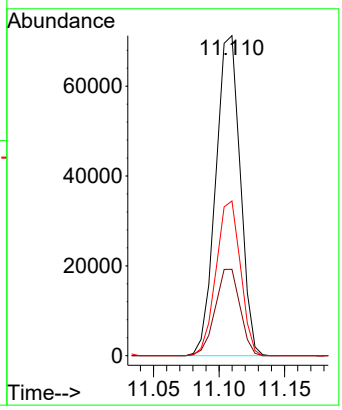


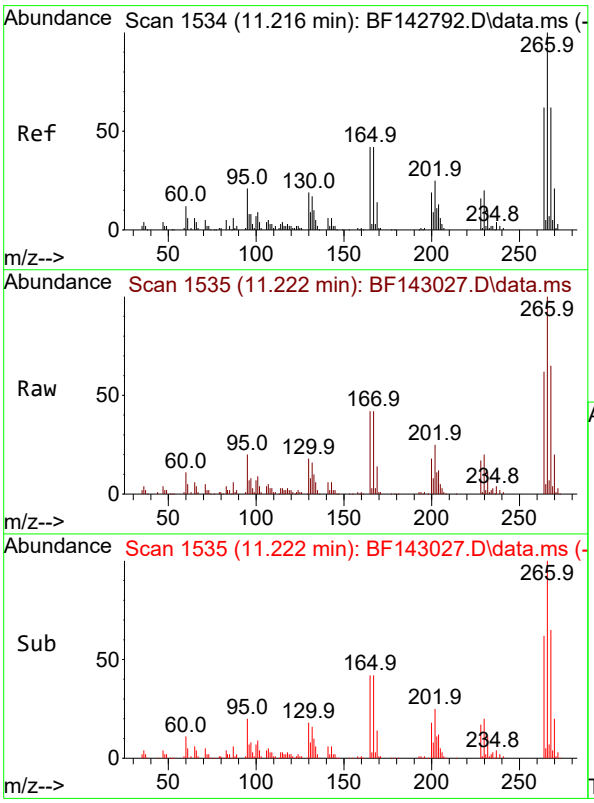
#69
Atrazine
Concen: 52.593 ng
RT: 11.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:200 Resp: 92438

Ion	Ratio	Lower	Upper
200	100		
173	27.0	7.4	47.4
215	48.4	28.4	68.4

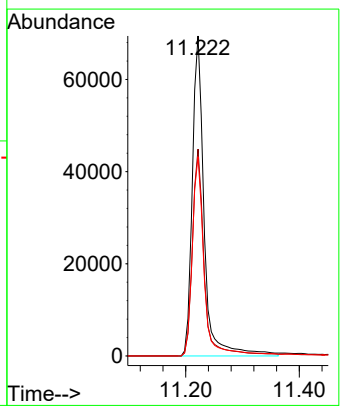


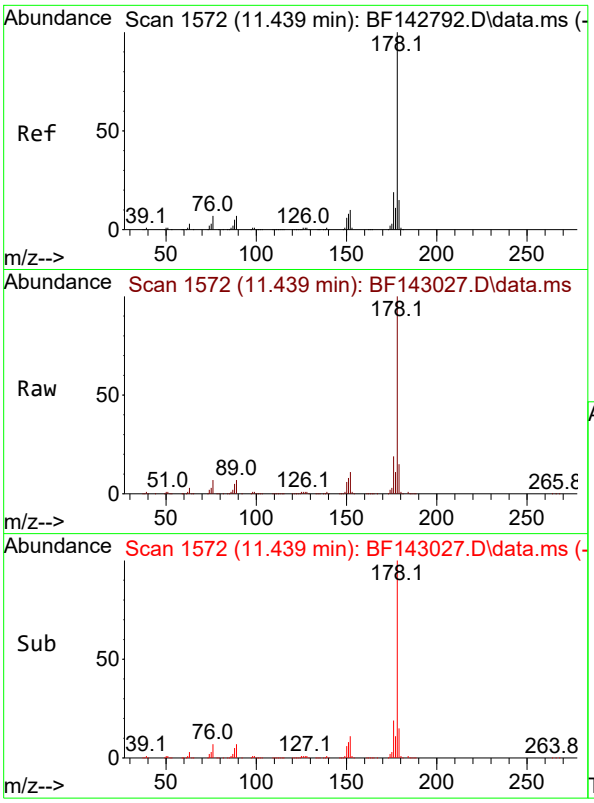


#70
Pentachlorophenol
Concen: 81.994 ng
RT: 11.222 min Scan# 1535
Delta R.T. 0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:266 Resp: 101472

Ion	Ratio	Lower	Upper
266	100		
268	64.7	49.8	74.8
264	62.3	49.9	74.9



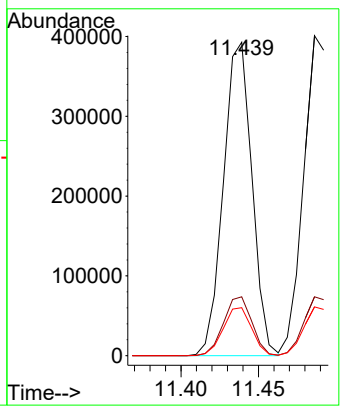


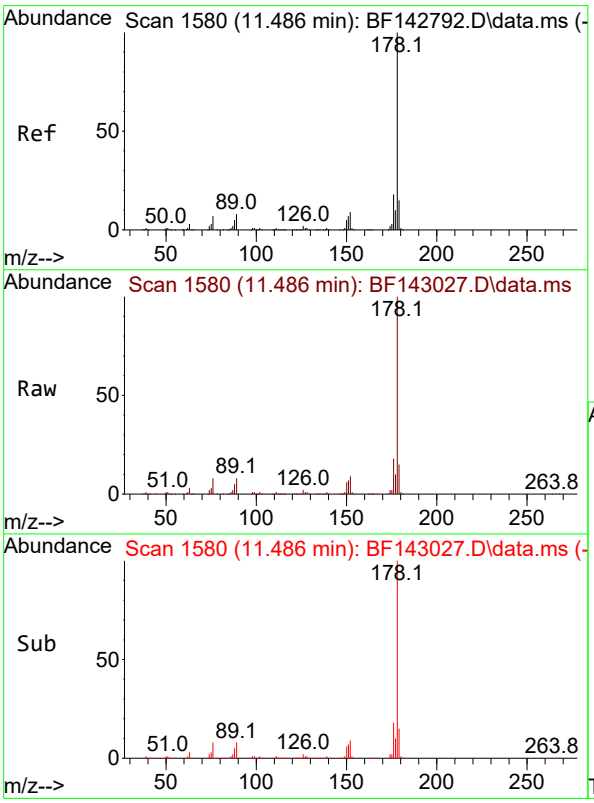
#71
Phenanthrene
Concen: 47.296 ng
RT: 11.439 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:178 Resp: 503153

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.3	12.0	18.0

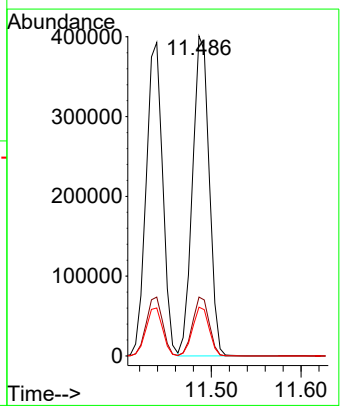


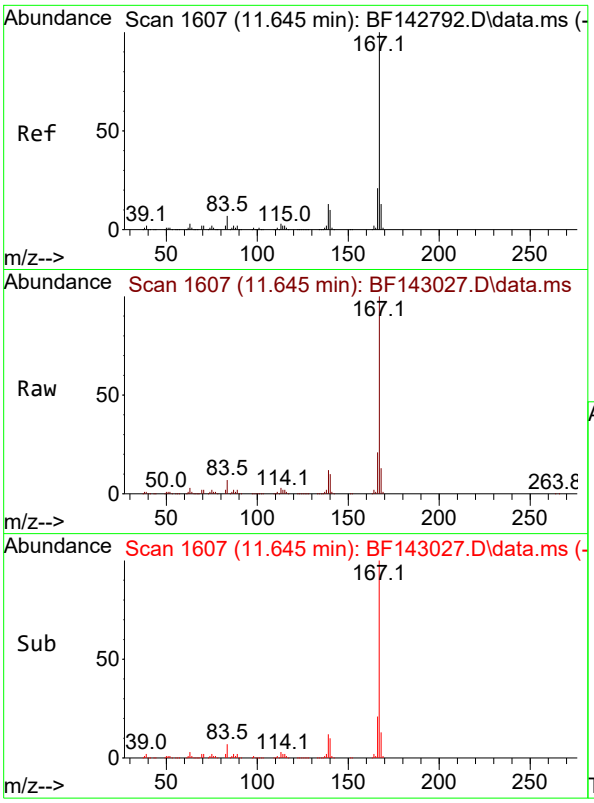


#72
Anthracene
Concen: 47.297 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:178 Resp: 516037

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	15.3	12.4	18.6



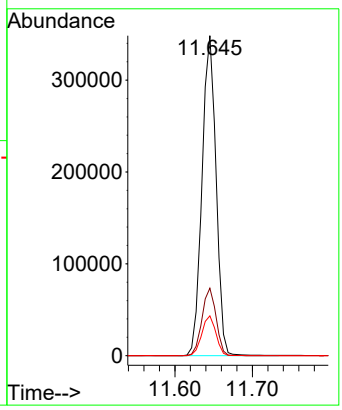


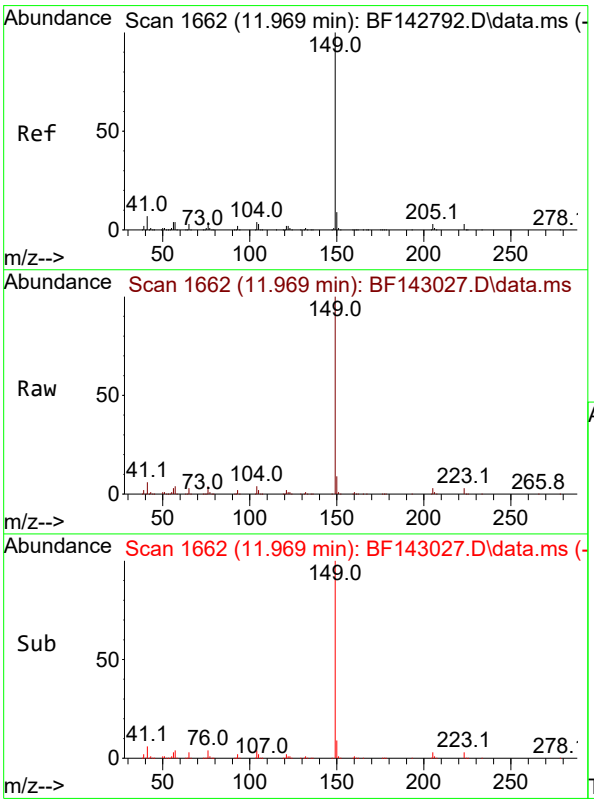
#73
Carbazole
Concen: 46.666 ng
RT: 11.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:167 Resp: 439384

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.4
139	12.5	10.2	15.2

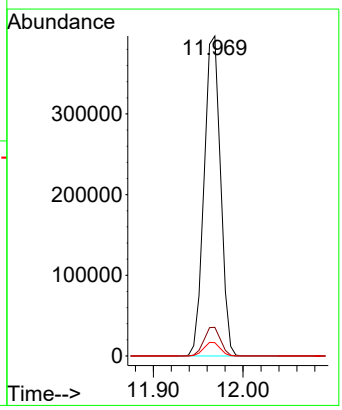


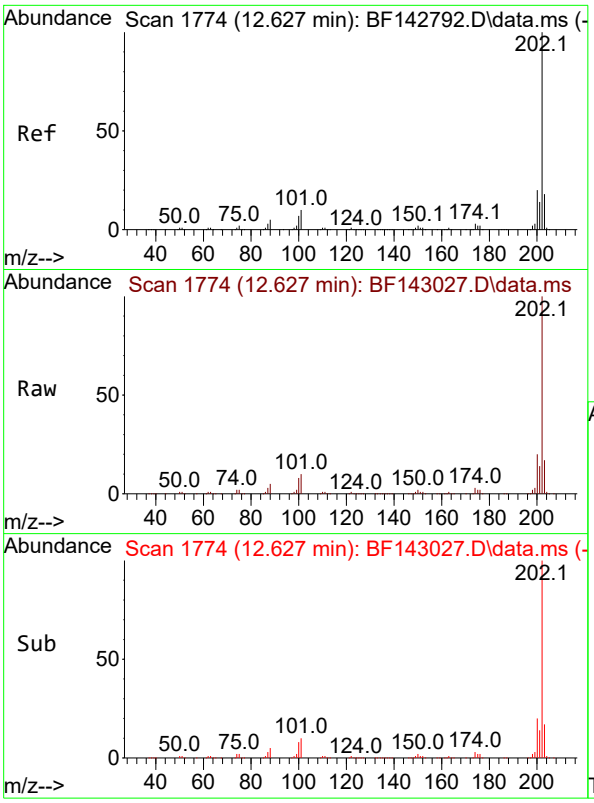


#74
Di-n-butylphthalate
Concen: 51.473 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:149 Resp: 504874

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	4.2	3.5	5.3



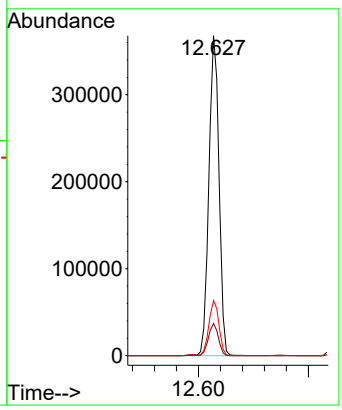


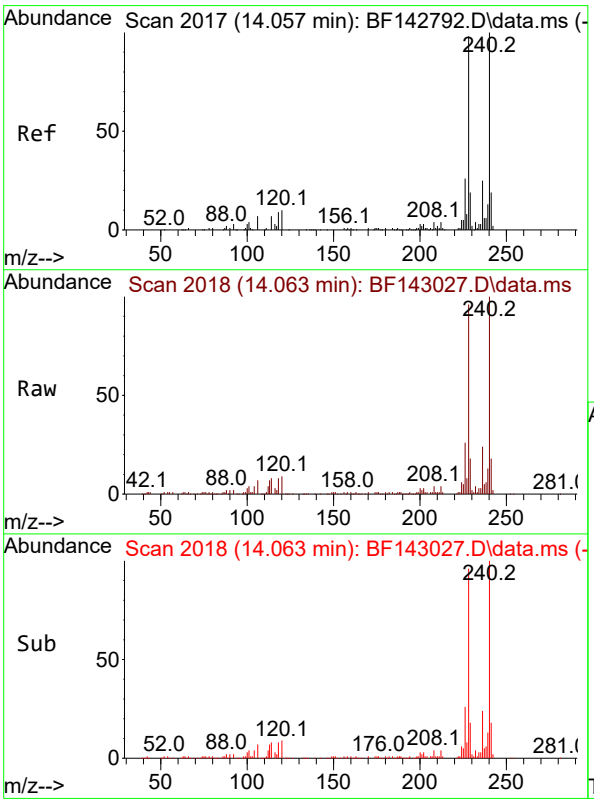
#75
Fluoranthene
Concen: 46.450 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:202 Resp: 468974

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	29.7
203	17.3	0.0	37.5

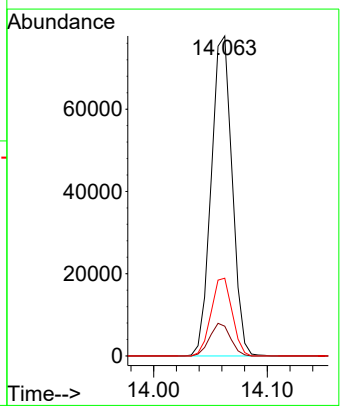


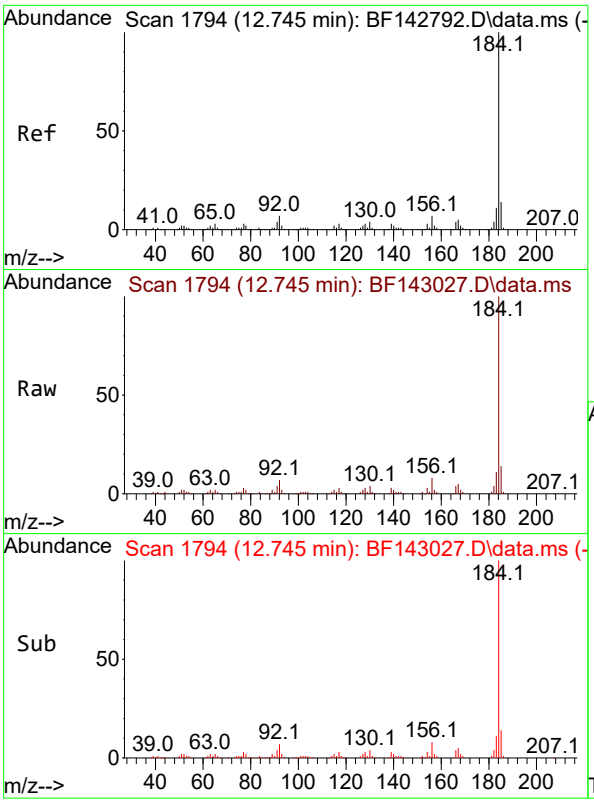


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:240 Resp: 99574

Ion	Ratio	Lower	Upper
240	100		
120	9.3	8.2	12.2
236	24.3	19.8	29.8



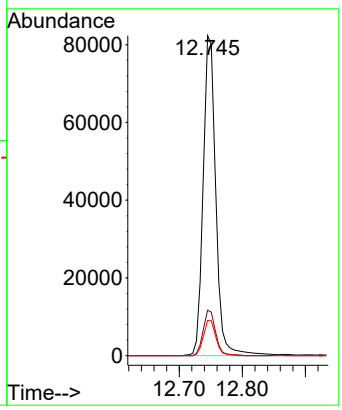


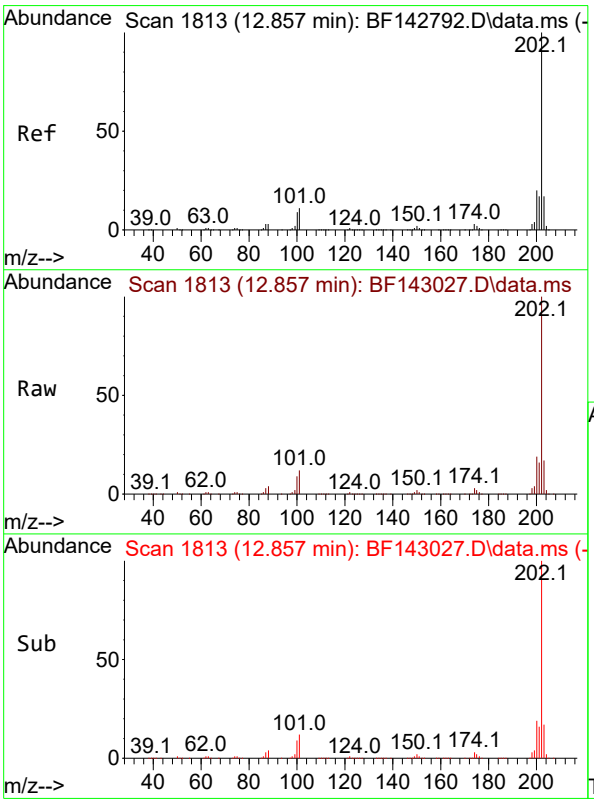
#77
Benzidine
Concen: 30.735 ng
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:184 Resp: 114984

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.5	17.3
183	11.0	9.0	13.4

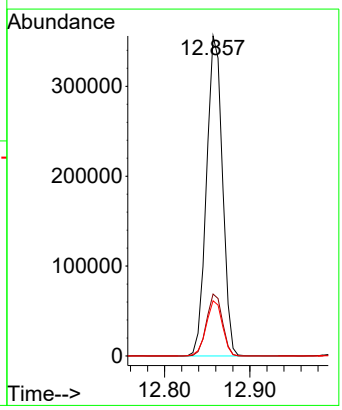


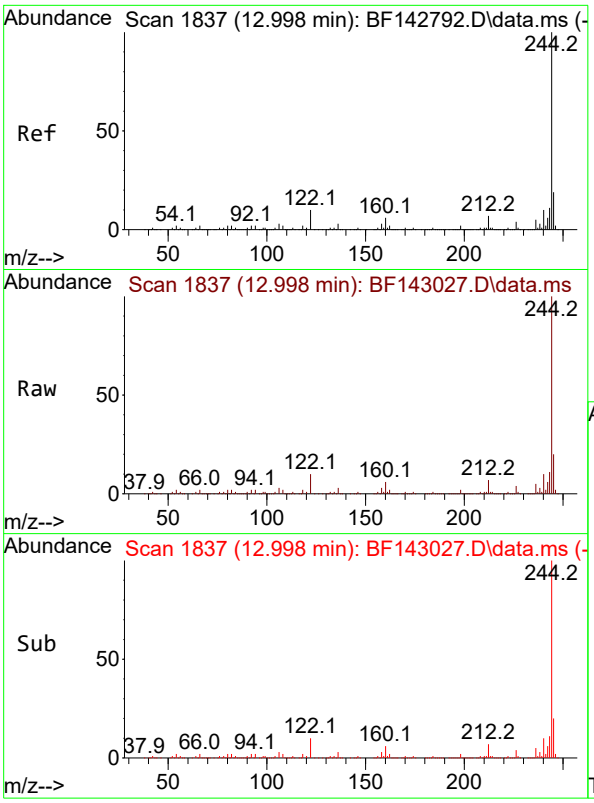


#78
Pyrene
Concen: 49.564 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:202 Resp: 462608

Ion	Ratio	Lower	Upper
202	100		
200	19.4	15.7	23.5
203	17.2	13.8	20.6



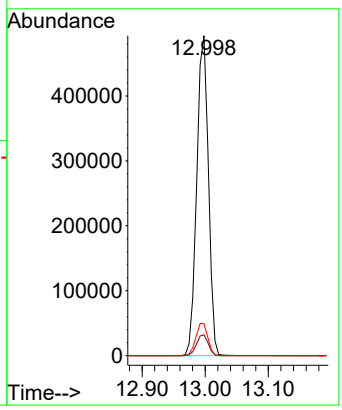


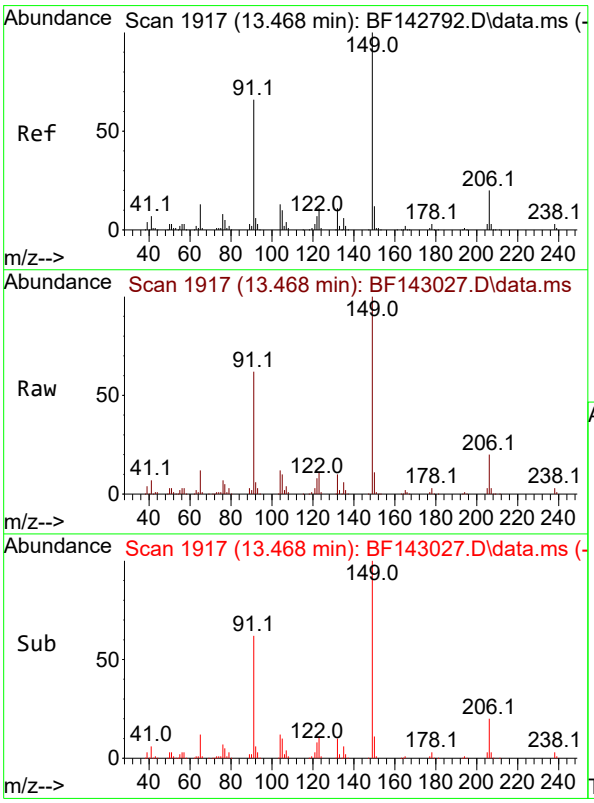
#79
Terphenyl-d14
Concen: 87.570 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:244 Resp: 631084

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.0	8.2	12.2

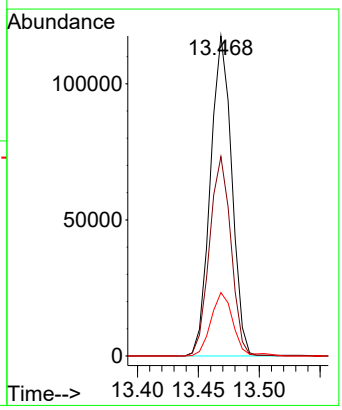


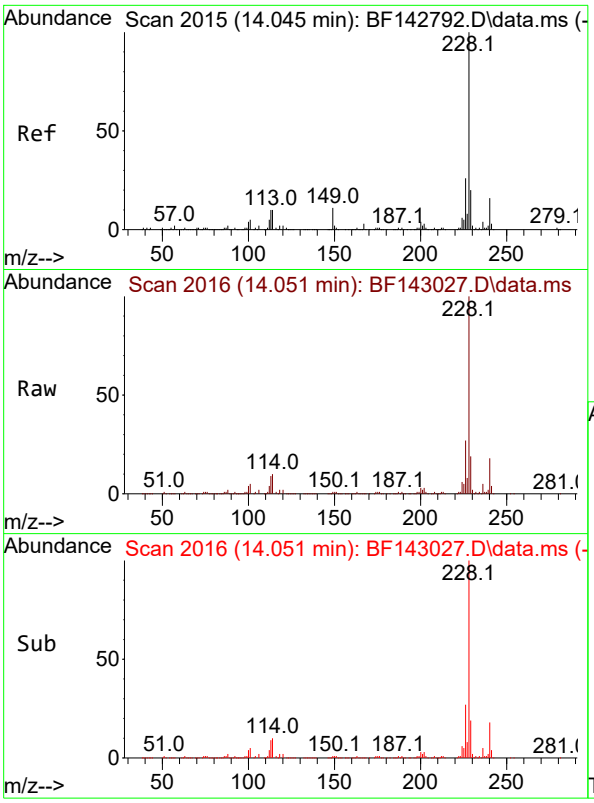


#80
Butylbenzylphthalate
Concen: 53.032 ng
RT: 13.468 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:149 Resp: 143577

Ion	Ratio	Lower	Upper
149	100		
91	62.3	52.9	79.3
206	19.8	16.3	24.5



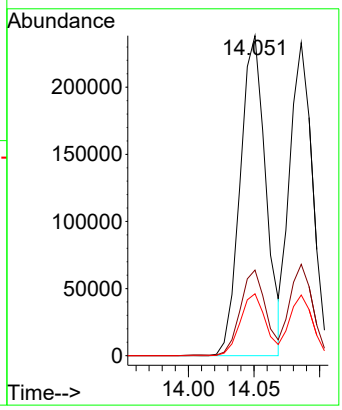


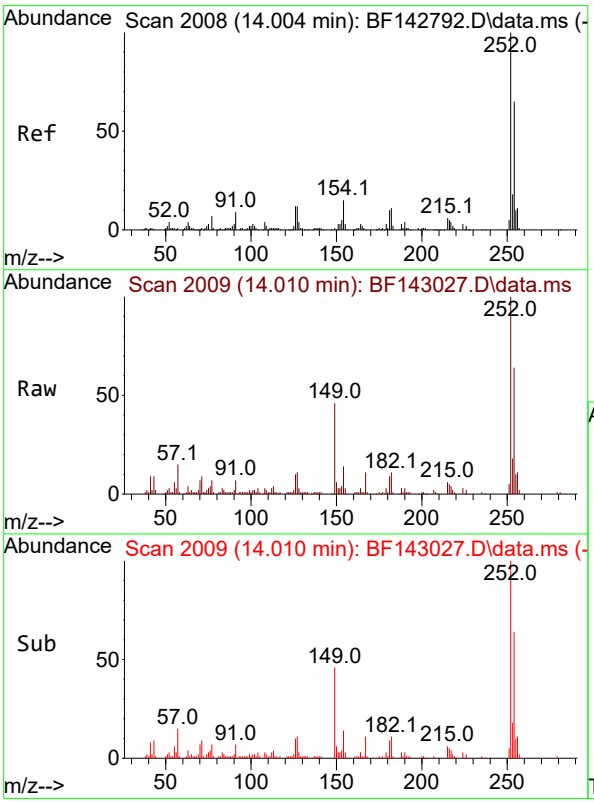
#81
Benzo(a)anthracene
Concen: 48.328 ng
RT: 14.051 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:228 Resp: 324635

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.2	31.8
229	19.3	15.6	23.4

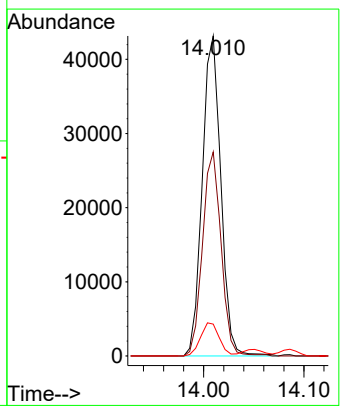


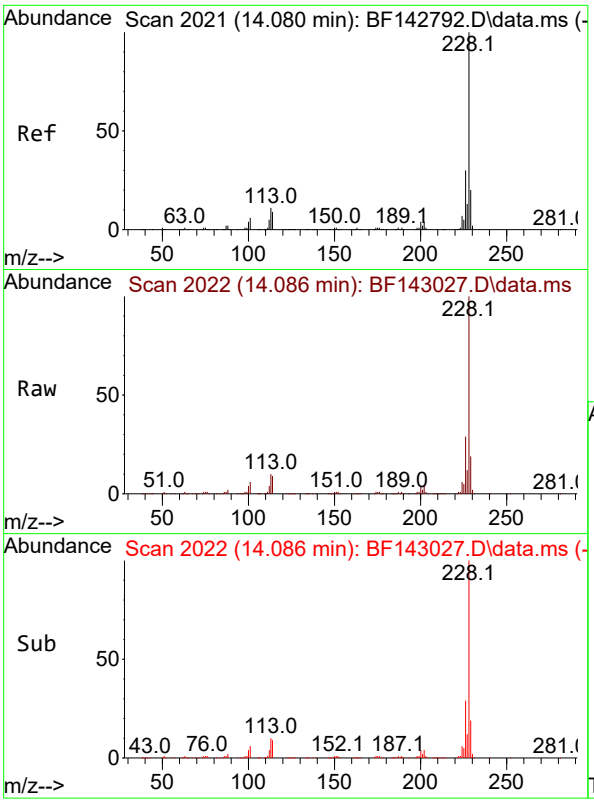


#82
3,3'-Dichlorobenzidine
Concen: 25.598 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:252 Resp: 55773

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.7	77.5
126	10.0	9.4	14.2



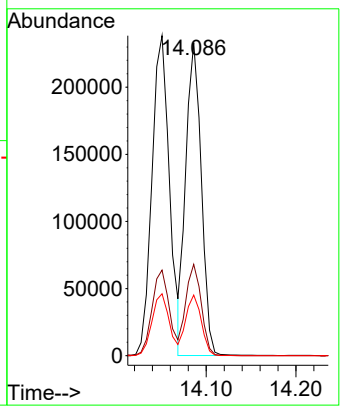


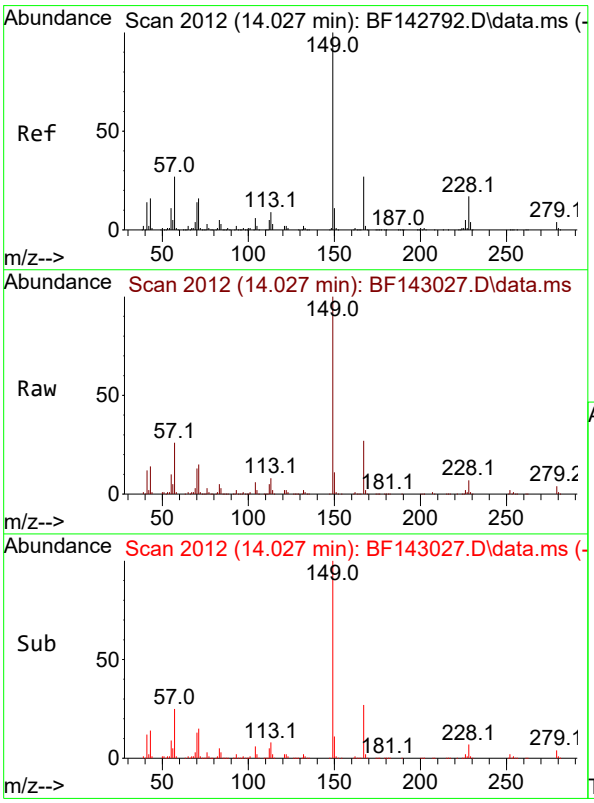
#83
Chrysene
Concen: 46.797 ng
RT: 14.086 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:228 Resp: 280502

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.7	35.5
229	19.4	15.7	23.5

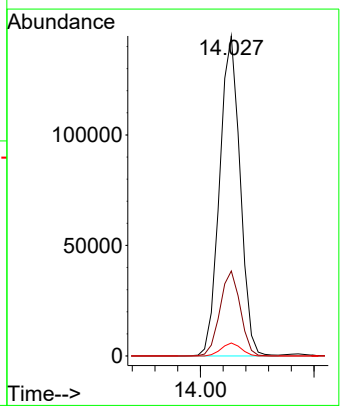


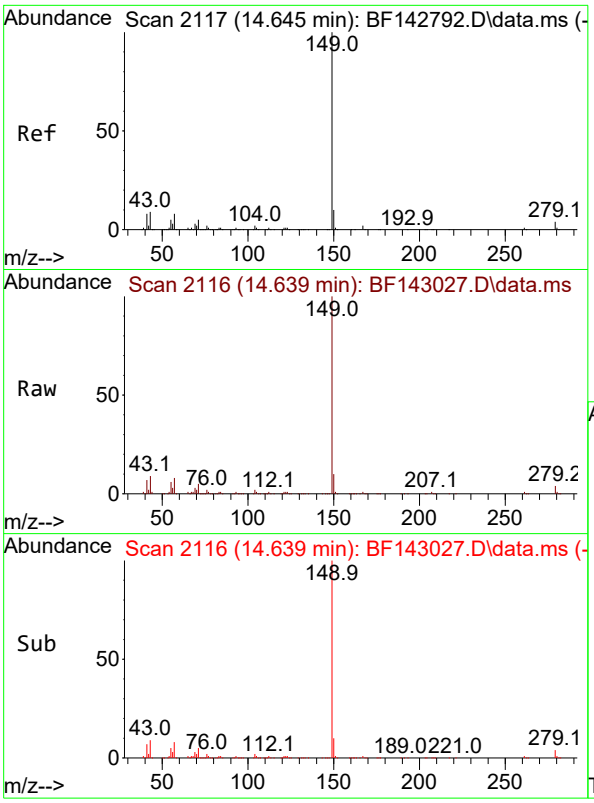


#84
Bis(2-ethylhexyl)phthalate
Concen: 46.592 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:149 Resp: 181490

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.4	32.0
279	4.0	3.0	4.6



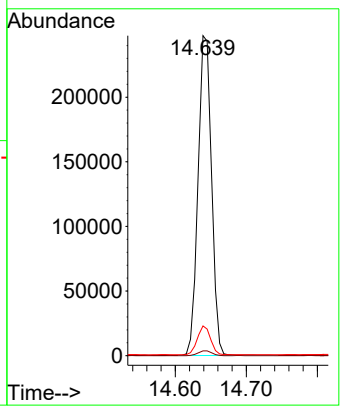


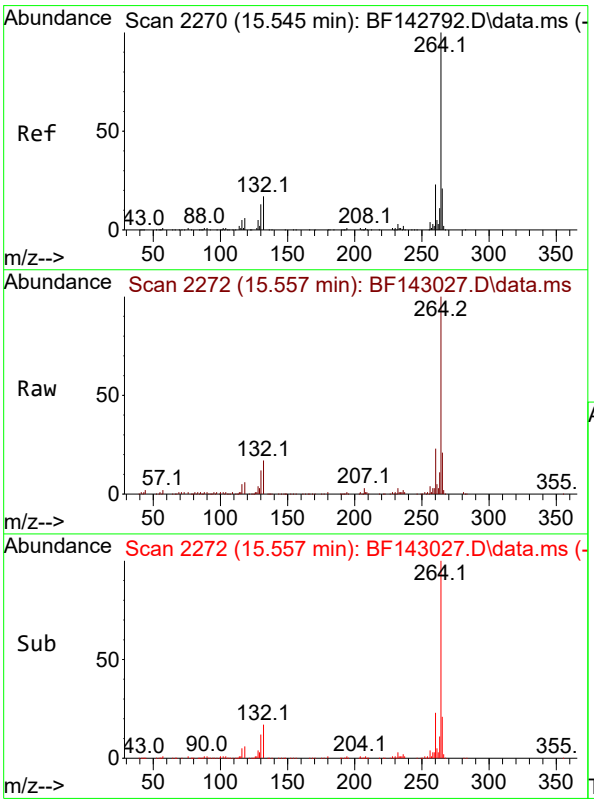
#85
Di-n-octyl phthalate
Concen: 44.628 ng
RT: 14.639 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:149 Resp: 327797

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.8	7.6	11.4

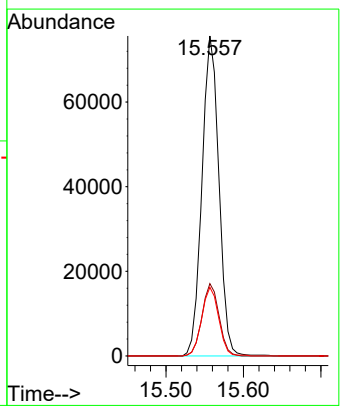


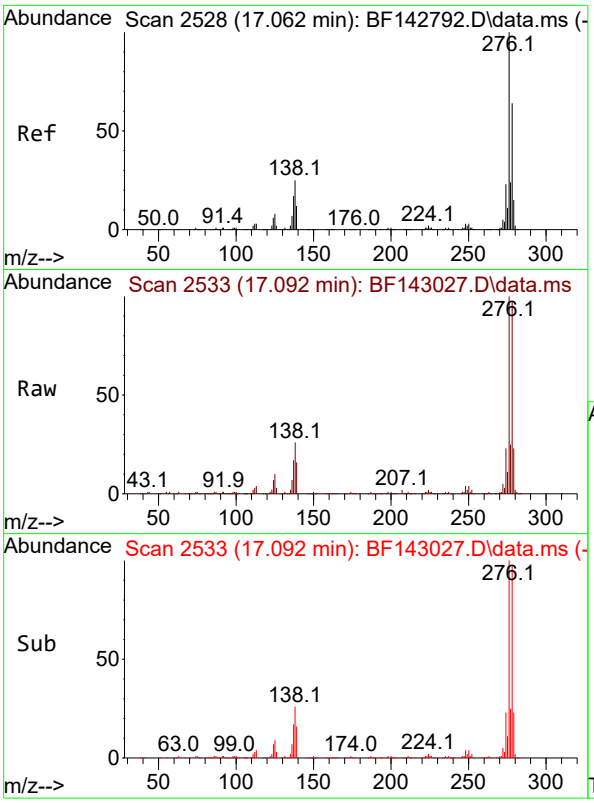


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. 0.012 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:264 Resp: 114876

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.1	27.1
265	21.4	16.6	25.0



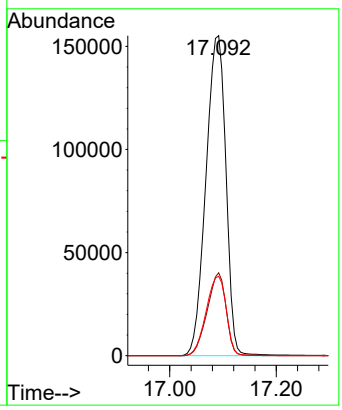


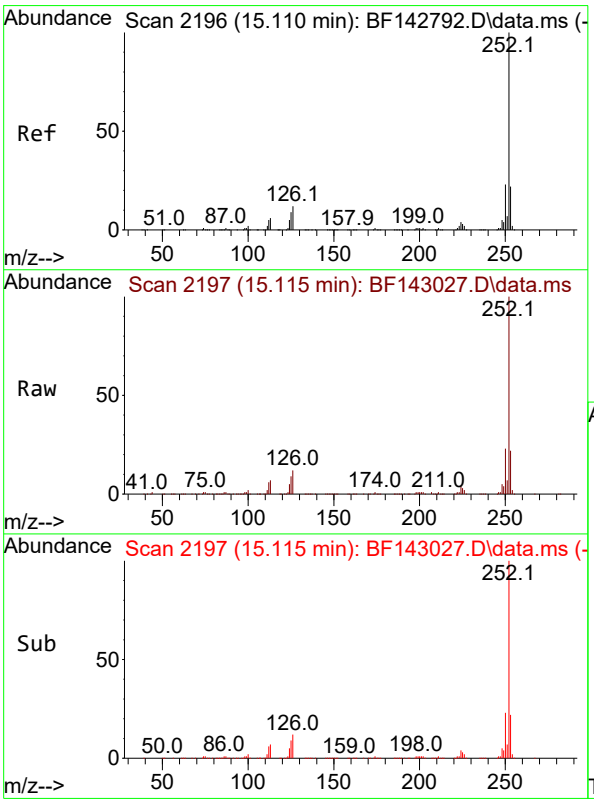
#87
Indeno(1,2,3-cd)pyrene
Concen: 46.215 ng
RT: 17.092 min Scan# 2
Delta R.T. 0.029 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:276 Resp: 404380

Ion	Ratio	Lower	Upper
276	100		
138	24.5	20.2	30.4
277	25.0	19.8	29.6

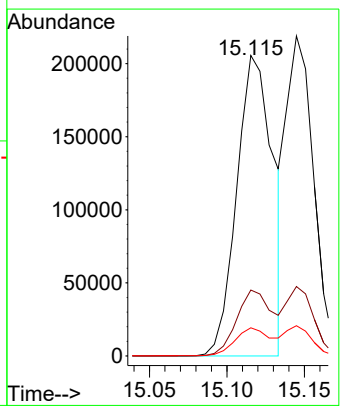


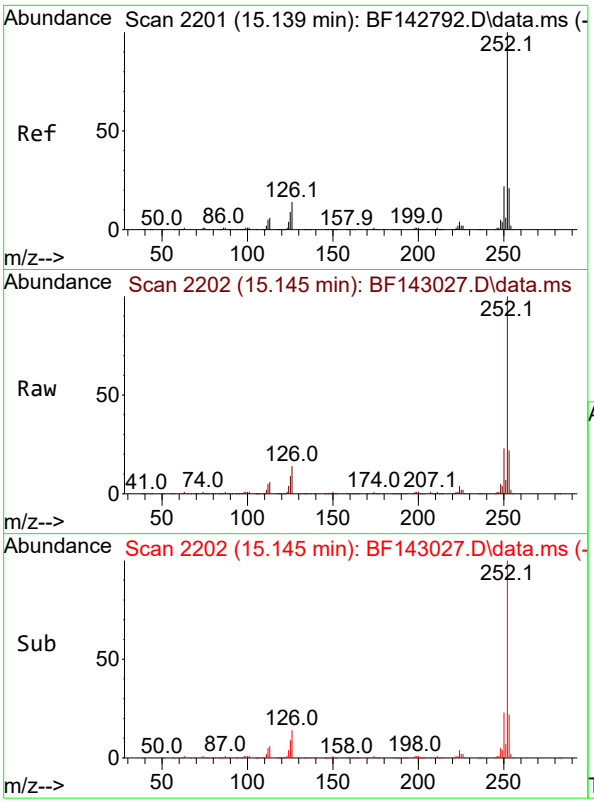


#88
Benzo(b)fluoranthene
Concen: 50.369 ng
RT: 15.115 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:252 Resp: 334813

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.4	7.4	11.0



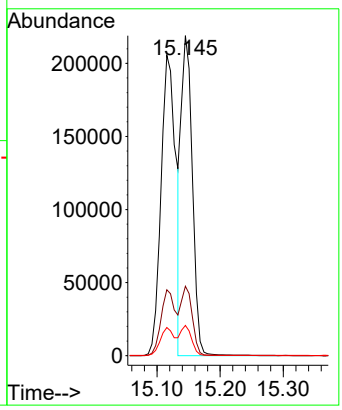


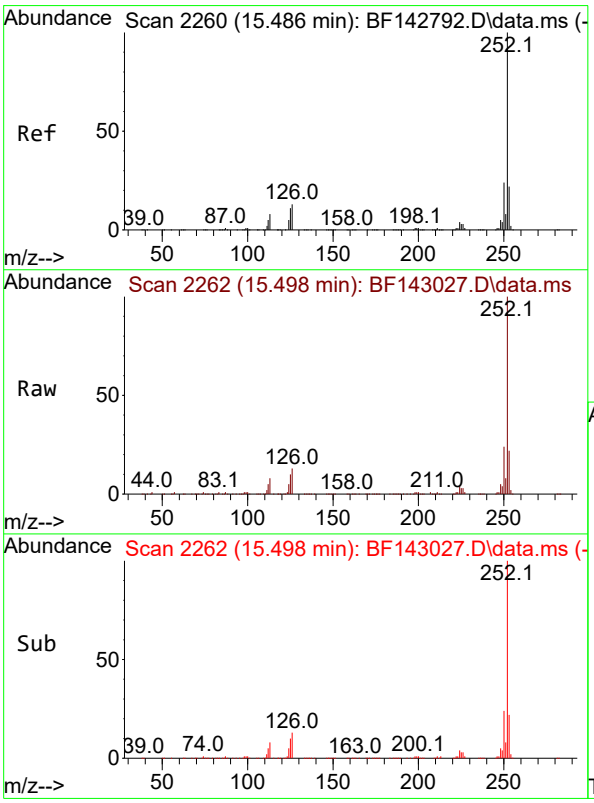
#89
Benzo(k)fluoranthene
Concen: 43.506 ng
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:252 Resp: 270562

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	9.4	7.4	11.2

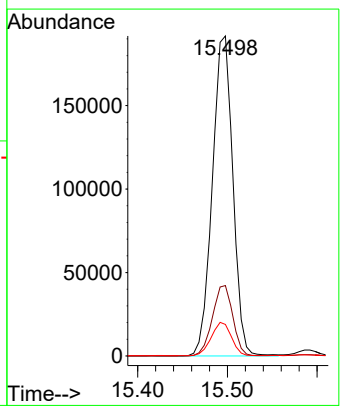


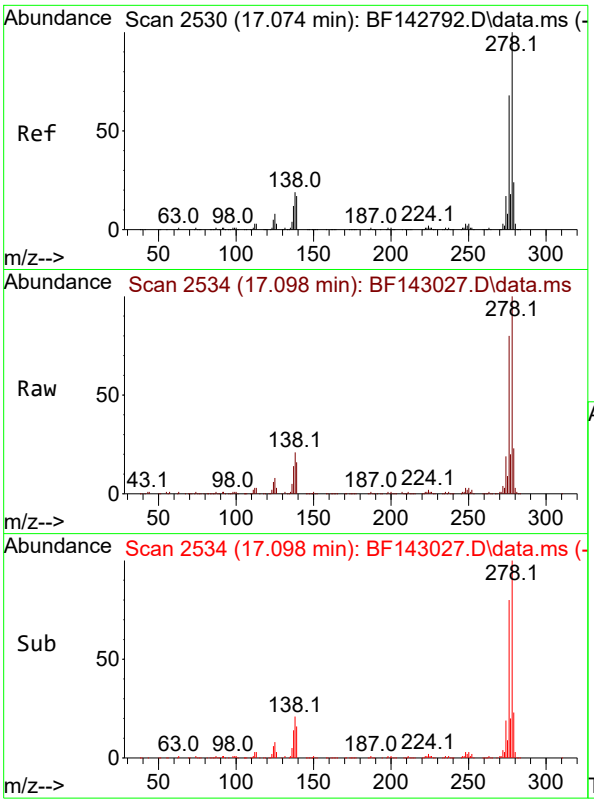


#90
Benzo(a)pyrene
Concen: 47.431 ng
RT: 15.498 min Scan# 2262
Delta R.T. 0.012 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:252 Resp: 304589

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	9.9	8.6	12.8



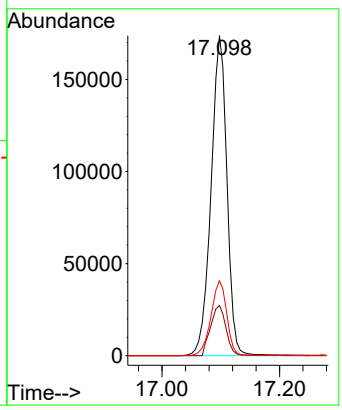


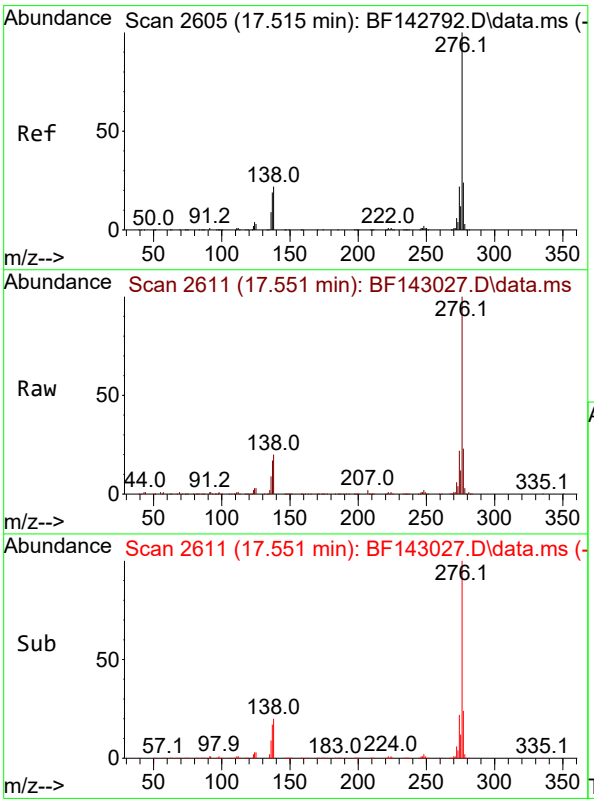
#91
Dibenzo(a,h)anthracene
Concen: 45.822 ng
RT: 17.098 min Scan# 2
Delta R.T. 0.024 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
PB168716BS

Tgt Ion:278 Resp: 325775

Ion	Ratio	Lower	Upper
278	100		
139	15.7	13.5	20.3
279	23.4	18.8	28.2

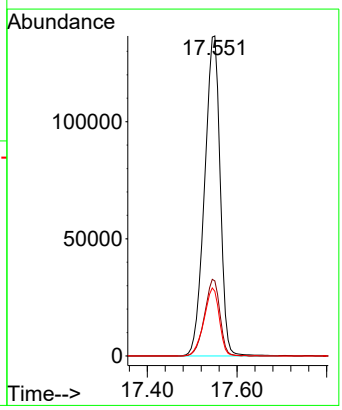




#92
Benzo(g,h,i)perylene
Concen: 46.375 ng
RT: 17.551 min Scan# 2611
Delta R.T. 0.035 min
Lab File: BF143027.D
Acq: 08 Jul 2025 11:54

Tgt Ion:276 Resp: 328768

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	20.2	17.6	26.4



Raw Data: **BF143028.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168716BSD	SDG No.:	Q2458
Lab Sample ID:	PB168716BSD	Matrix:	Water
Analytical Method:	8270E	% 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143028.D	1	07/03/25 08:56	07/08/25 12:25	PB168716

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	25.9		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	41.2		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	41.2		0.58	5.00	ug/L
95-48-7	2-Methylphenol	41.4		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	37.8		1.30	5.00	ug/L
98-86-2	Acetophenone	42.6		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	42.5		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	41.5		1.40	2.50	ug/L
67-72-1	Hexachloroethane	40.9		0.65	5.00	ug/L
98-95-3	Nitrobenzene	42.3		0.76	5.00	ug/L
78-59-1	Isophorone	42.4		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	44.2		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	42.0		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	42.4		0.52	5.00	ug/L
91-20-3	Naphthalene	42.2		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	37.2		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	42.5		0.54	5.00	ug/L
105-60-2	Caprolactam	48.3		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	44.3		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	42.5		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	71.7		3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	41.4		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	42.1		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	42.6		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	42.1		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	44.5		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	44.8		0.61	5.00	ug/L

Raw Data: **BF143028.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168716BSD	SDG No.:	Q2458
Lab Sample ID:	PB168716BSD	Matrix:	Water
Analytical Method:	8270E	% 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143028.D	1	07/03/25 08:56	07/08/25 12:25	PB168716

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	42.7		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	45.4		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	37.4		1.10	5.00	ug/L
83-32-9	Acenaphthene	46.6		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	91.4	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	75.8		2.40	10.0	ug/L
132-64-9	Dibenzofuran	42.9		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	45.8		1.20	5.00	ug/L
84-66-2	Diethylphthalate	45.5		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	43.7		0.68	5.00	ug/L
86-73-7	Fluorene	44.1		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	44.8		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	43.7		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	45.2		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	43.8		0.52	5.00	ug/L
1912-24-9	Atrazine	48.4		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	78.4		1.60	10.0	ug/L
85-01-8	Phenanthrene	43.2		0.50	5.00	ug/L
120-12-7	Anthracene	43.9		0.61	5.00	ug/L
86-74-8	Carbazole	44.0		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	46.8		1.20	5.00	ug/L
206-44-0	Fluoranthene	43.1		0.82	5.00	ug/L
129-00-0	Pyrene	46.3		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	48.4		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	36.3		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	45.6		0.45	5.00	ug/L
218-01-9	Chrysene	44.0		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	44.2		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	42.5		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	42.8		0.49	5.00	ug/L

Raw Data: **BF143028.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168716BSD	SDG No.:	Q2458
Lab Sample ID:	PB168716BSD	Matrix:	Water
Analytical Method:	8270E	% 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143028.D	1	07/03/25 08:56	07/08/25 12:25	PB168716

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	44.9		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	44.2		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	42.5		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	42.9		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	42.8		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	42.9		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	32.4		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	43.3		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	116		23 - 138	77%	SPK: 150
13127-88-3	Phenol-d6	116		10 - 134	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	74.9		67 - 132	75%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.5		52 - 132	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	128		44 - 137	85%	SPK: 150
1718-51-0	Terphenyl-d14	81.6		42 - 152	82%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	60400	6.875			
1146-65-2	Naphthalene-d8	226000	8.157			
15067-26-2	Acenaphthene-d10	119000	9.922			
1517-22-2	Phenanthrene-d10	197000	11.41			
1719-03-5	Chrysene-d12	99600	14.057			
1520-96-3	Perylene-d12	118000	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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143028.D
Acq On : 08 Jul 2025 12:25
Operator : RC/JU
Sample : PB168716BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Quant Time: Jul 08 12:51:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	60408	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	226362	20.000	ng		-0.01
39) Acenaphthene-d10	9.922	164	118776	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	197115	20.000	ng		0.00
76) Chrysene-d12	14.057	240	99617	20.000	ng		0.00
86) Perylene-d12	15.557	264	118358	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	420531	115.904	ng		0.01
7) Phenol-d6	6.510	99	498311	116.410	ng		0.00
23) Nitrobenzene-d5	7.440	82	309095	74.898	ng		0.00
42) 2,4,6-Tribromophenol	10.716	330	156050	127.671	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	682333	75.467	ng		0.00
79) Terphenyl-d14	12.998	244	588629	81.644	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.722	88	47084	32.444	ng		99
3) Pyridine	3.487	79	131813	36.231	ng		99
4) n-Nitrosodimethylamine	3.434	42	70729	37.595	ng		99
6) Aniline	6.540	93	208216	36.556	ng	#	86
8) 2-Chlorophenol	6.663	128	161271	41.205	ng		98
9) Benzaldehyde	6.428	77	65886	25.943	ng		99
10) Phenol	6.528	94	191814	40.312	ng		77
11) bis(2-Chloroethyl)ether	6.610	93	140098	41.196	ng		96
12) 1,3-Dichlorobenzene	6.816	146	176469	40.315	ng		100
13) 1,4-Dichlorobenzene	6.893	146	178127	40.334	ng		99
14) 1,2-Dichlorobenzene	7.045	146	168532	40.234	ng		99
15) Benzyl Alcohol	7.016	79	130947	42.314	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	206494	37.793	ng		74
17) 2-Methylphenol	7.134	107	122670	41.359	ng		96
18) Hexachloroethane	7.387	117	63147	40.880	ng		96
19) n-Nitroso-di-n-propyla...	7.287	70	103405	41.534	ng		98
20) 3+4-Methylphenols	7.287	107	157112	42.485	ng		95
22) Acetophenone	7.287	105	212582	42.587	ng		99
24) Nitrobenzene	7.457	77	158005	42.302	ng		99
25) Isophorone	7.698	82	280738	42.407	ng		100
26) 2-Nitrophenol	7.775	139	90027	44.245	ng		99
27) 2,4-Dimethylphenol	7.816	122	149664m	42.464	ng		
28) bis(2-Chloroethoxy)met...	7.904	93	176633	41.968	ng		100
29) 2,4-Dichlorophenol	8.022	162	135467	42.390	ng		99
30) 1,2,4-Trichlorobenzene	8.098	180	148284	42.197	ng		98
31) Naphthalene	8.181	128	468116	42.249	ng		100
32) Benzoic acid	7.945	122	75484	42.020	ng		94
33) 4-Chloroaniline	8.234	127	167459	37.169	ng		98
34) Hexachlorobutadiene	8.292	225	91447	42.544	ng		98
35) Caprolactam	8.604	113	40716m	48.283	ng		
36) 4-Chloro-3-methylphenol	8.716	107	140678	44.294	ng		97
37) 2-Methylnaphthalene	8.875	142	291888	42.492	ng		99
38) 1-Methylnaphthalene	8.975	142	304995	42.891	ng		99
40) 1,2,4,5-Tetrachloroben...	9.039	216	150411	42.917	ng		99
41) Hexachlorocyclopentadiene	9.028	237	142671	71.736	ng		99
43) 2,4,6-Trichlorophenol	9.157	196	94547	41.400	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143028.D
Acq On : 08 Jul 2025 12:25
Operator : RC/JU
Sample : PB168716BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Quant Time: Jul 08 12:51:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

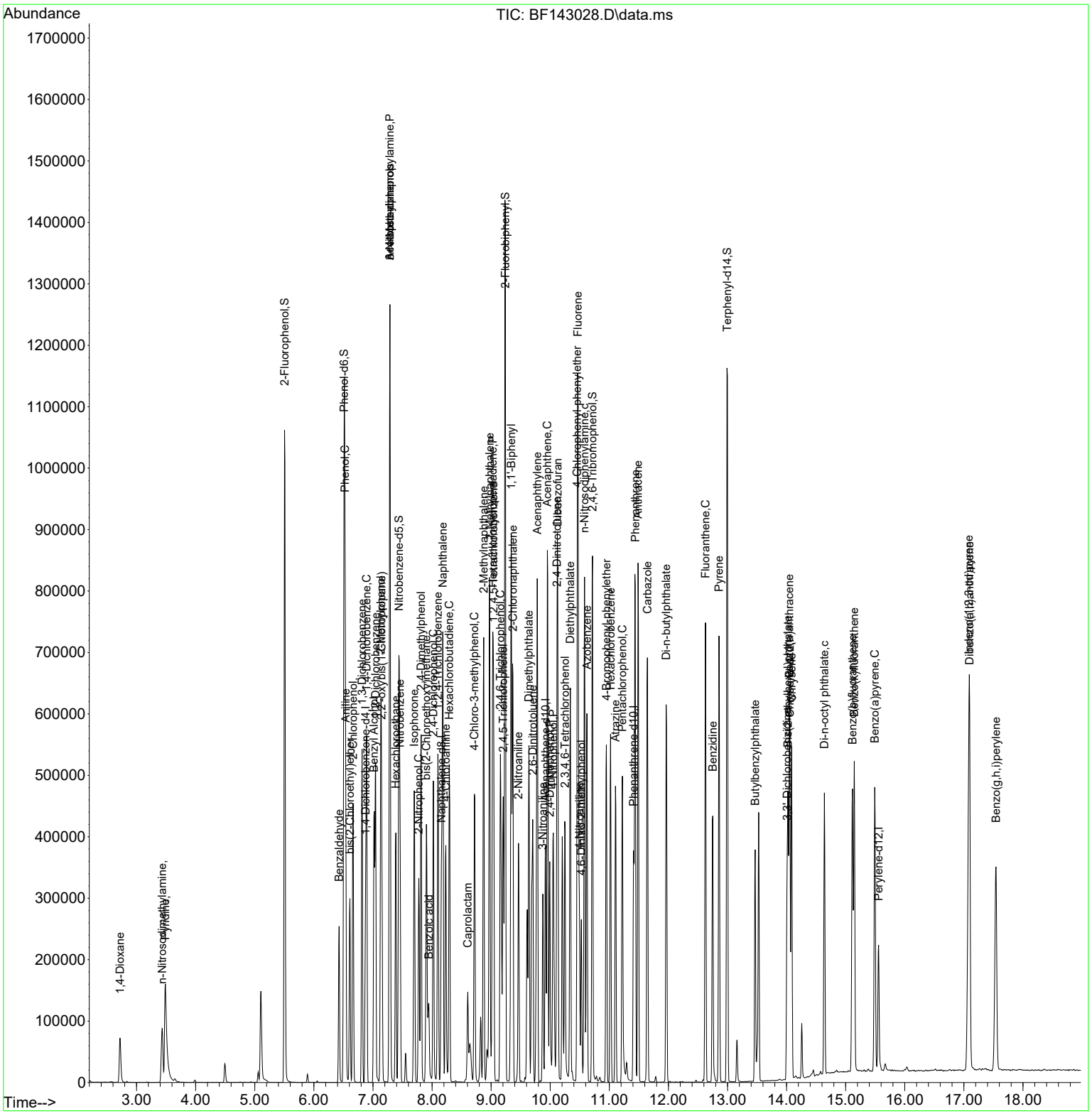
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	101102	42.055	ng	99
46) 1,1'-Biphenyl	9.339	154	399750	42.605	ng	100
47) 2-Chloronaphthalene	9.369	162	296286	42.080	ng	99
48) 2-Nitroaniline	9.463	65	87823	44.490	ng	97
49) Acenaphthylene	9.781	152	495501	42.749	ng	100
50) Dimethylphthalate	9.639	163	344592	44.820	ng	100
51) 2,6-Dinitrotoluene	9.704	165	76735	45.447	ng	99
52) Acenaphthene	9.951	154	329456m	46.586	ng	
53) 3-Nitroaniline	9.875	138	69562	37.419	ng	99
54) 2,4-Dinitrophenol	9.992	184	77305	91.438	ng	96
55) Dibenzofuran	10.128	168	434973	42.893	ng	99
56) 4-Nitrophenol	10.051	139	96519	75.840	ng	98
57) 2,4-Dinitrotoluene	10.116	165	102633	45.762	ng	92
58) Fluorene	10.469	166	348969	44.062	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.251	232	83826	43.258	ng	94
60) Diethylphthalate	10.339	149	342754	45.468	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	165173	43.705	ng	98
62) 4-Nitroaniline	10.492	138	75705	44.528	ng	98
63) Azobenzene	10.622	77	293275	43.529	ng	97
65) 4,6-Dinitro-2-methylph...	10.528	198	53414	44.800	ng	99
66) n-Nitrosodiphenylamine	10.581	169	298278	43.662	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	101294	45.153	ng	96
68) Hexachlorobenzene	11.022	284	109072	43.756	ng	100
69) Atrazine	11.104	200	85401	48.410	ng	99
70) Pentachlorophenol	11.222	266	97372	78.391	ng	98
71) Phenanthrene	11.439	178	461695	43.239	ng	99
72) Anthracene	11.486	178	480353	43.864	ng	100
73) Carbazole	11.645	167	415390	43.955	ng	100
74) Di-n-butylphthalate	11.963	149	460630	46.789	ng	100
75) Fluoranthene	12.627	202	436467	43.071	ng	99
77) Benzidine	12.751	184	257555	68.815	ng	99
78) Pyrene	12.857	202	432273	46.294	ng	100
80) Butylbenzylphthalate	13.469	149	131197	48.438	ng	95
81) Benzo(a)anthracene	14.045	228	306755	45.646	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	79021	36.252	ng	99
83) Chrysene	14.086	228	263566	43.953	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	172233	44.196	ng	99
85) Di-n-octyl phthalate	14.639	149	312074	42.469	ng	98
87) Indeno(1,2,3-cd)pyrene	17.086	276	383294	42.516	ng	98
88) Benzo(b)fluoranthene	15.116	252	292823	42.756	ng	99
89) Benzo(k)fluoranthene	15.145	252	287902	44.932	ng	99
90) Benzo(a)pyrene	15.492	252	292328	44.183	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	314182	42.892	ng	98
92) Benzo(g,h,i)perylene	17.545	276	312480	42.781	ng	98

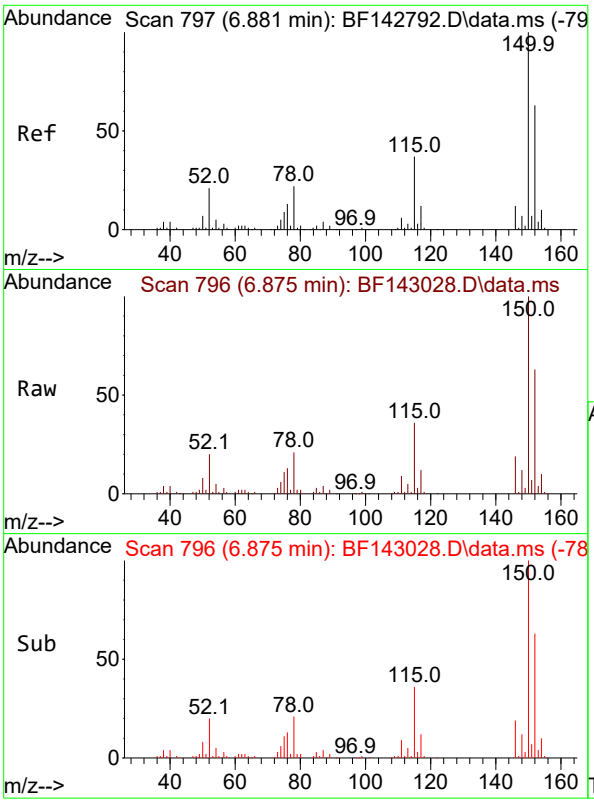
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143028.D
Acq On : 08 Jul 2025 12:25
Operator : RC/JU
Sample : PB168716BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Quant Time: Jul 08 12:51:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



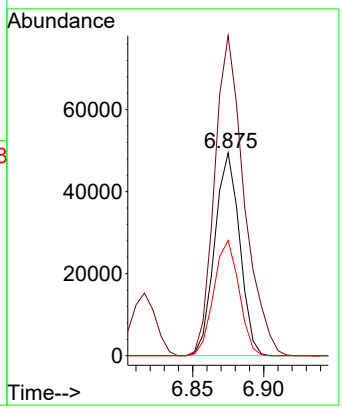


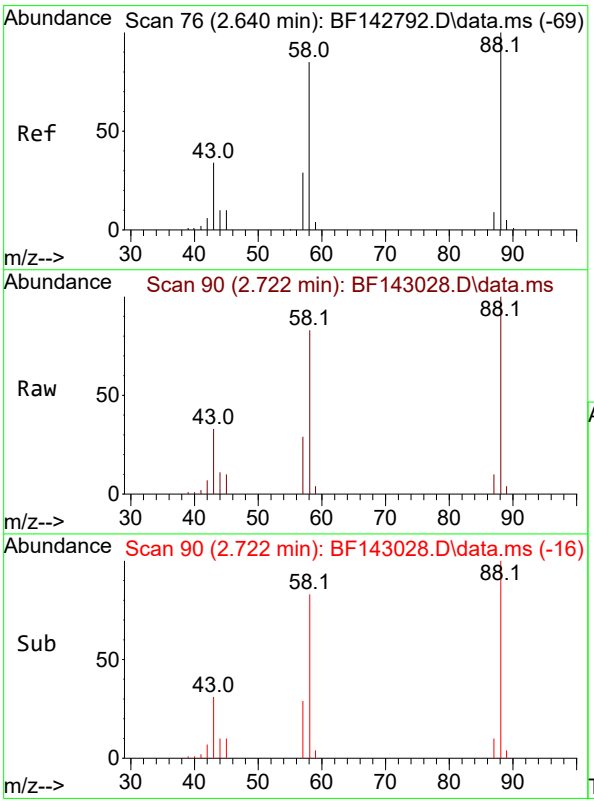
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:152 Resp: 60408

Ion	Ratio	Lower	Upper
152	100		
150	157.9	127.2	190.8
115	56.8	46.6	69.8

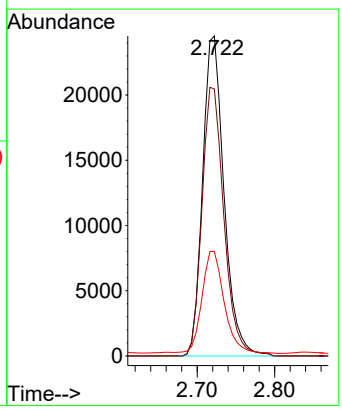


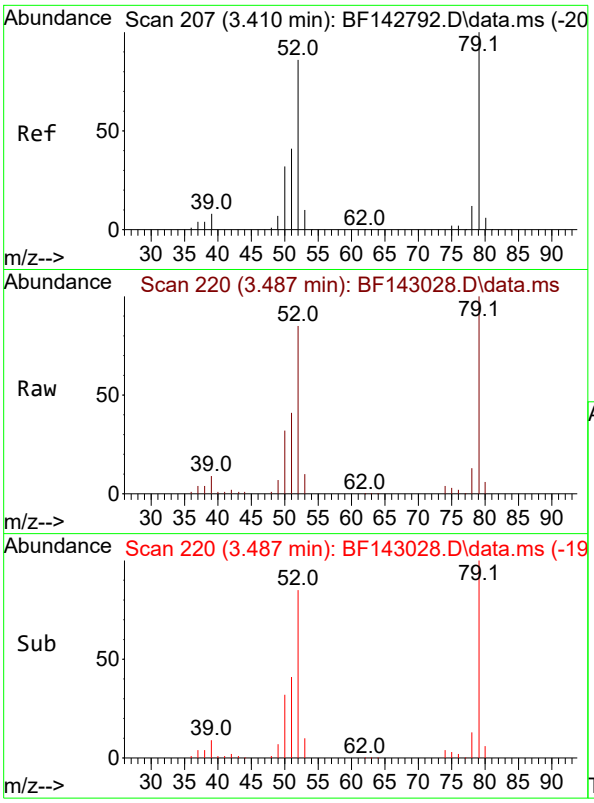


#2
1,4-Dioxane
Concen: 32.444 ng
RT: 2.722 min Scan# 90
Delta R.T. 0.082 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion: 88 Resp: 47084

Ion	Ratio	Lower	Upper
88	100		
58	86.0	69.1	103.7
43	33.2	27.4	41.2



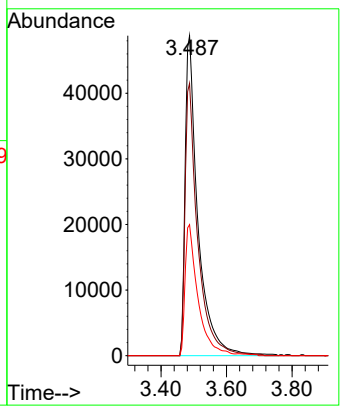


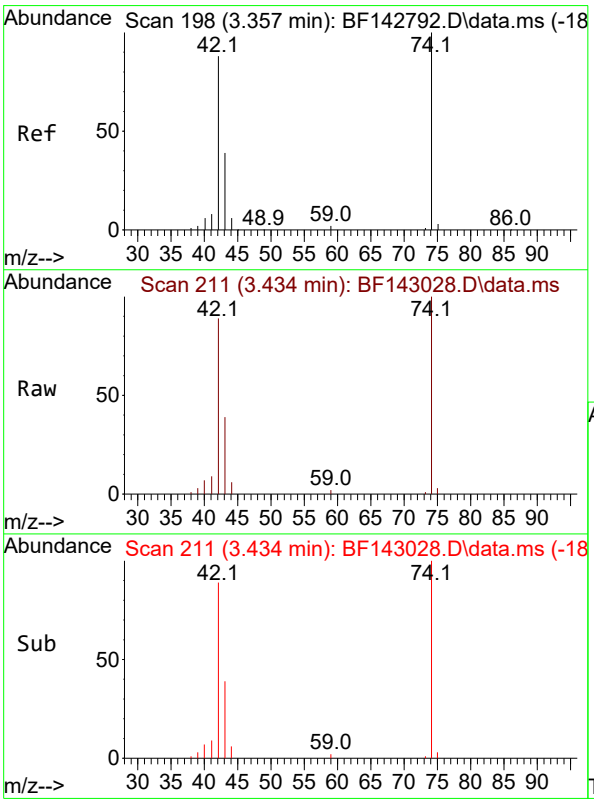
#3
Pyridine
Concen: 36.231 ng
RT: 3.487 min Scan# 2
Delta R.T. 0.077 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion: 79 Resp: 131813

Ion	Ratio	Lower	Upper
79	100		
52	85.1	69.2	103.8
51	41.0	33.2	49.8

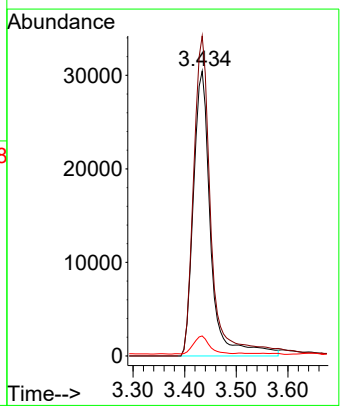


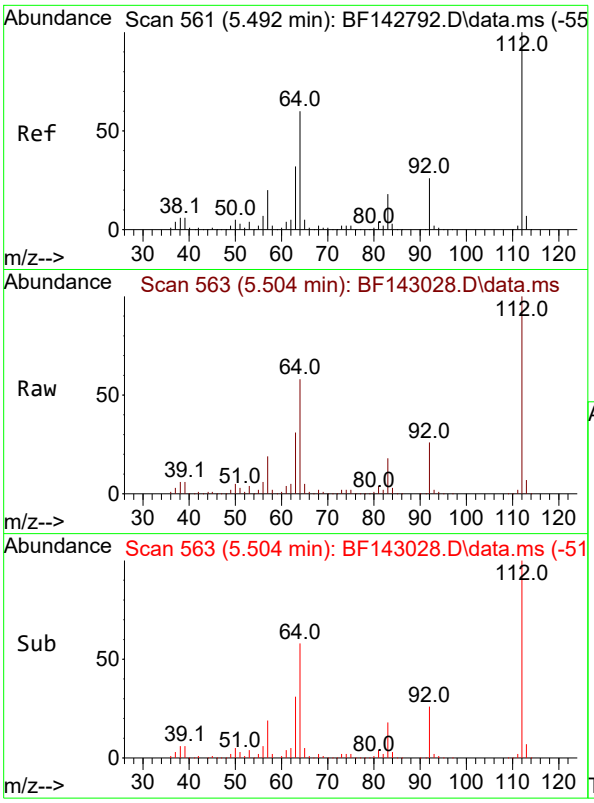


#4
n-Nitrosodimethylamine
Concen: 37.595 ng
RT: 3.434 min Scan# 211
Delta R.T. 0.077 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion: 42 Resp: 70729

Ion	Ratio	Lower	Upper
42	100		
74	112.3	90.9	136.3
44	7.0	5.8	8.6



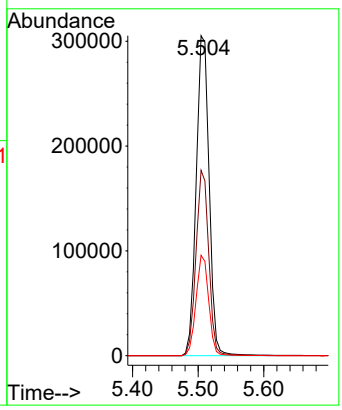


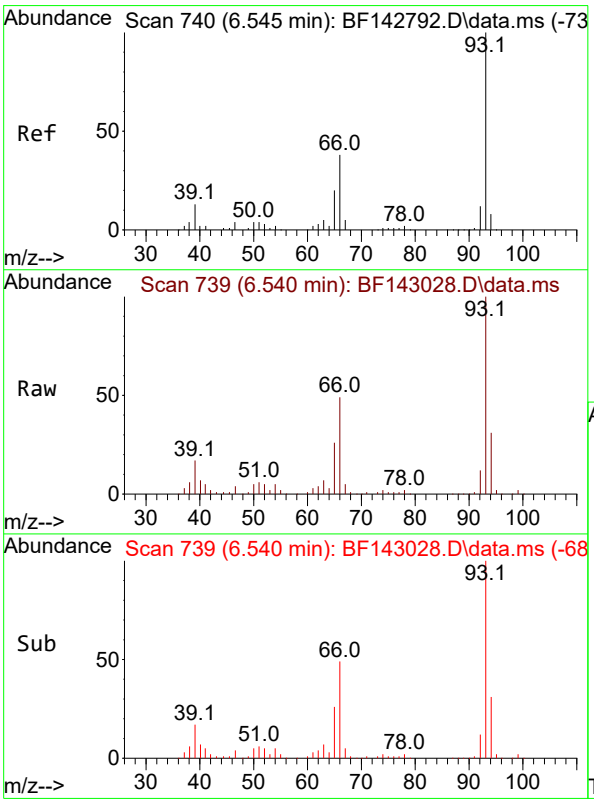
#5
2-Fluorophenol
Concen: 115.904 ng
RT: 5.504 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:112 Resp: 420531

Ion	Ratio	Lower	Upper
112	100		
64	57.9	48.2	72.2
63	31.3	25.7	38.5

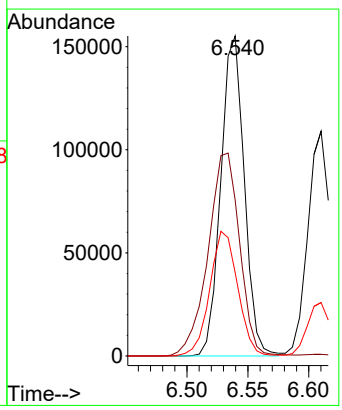


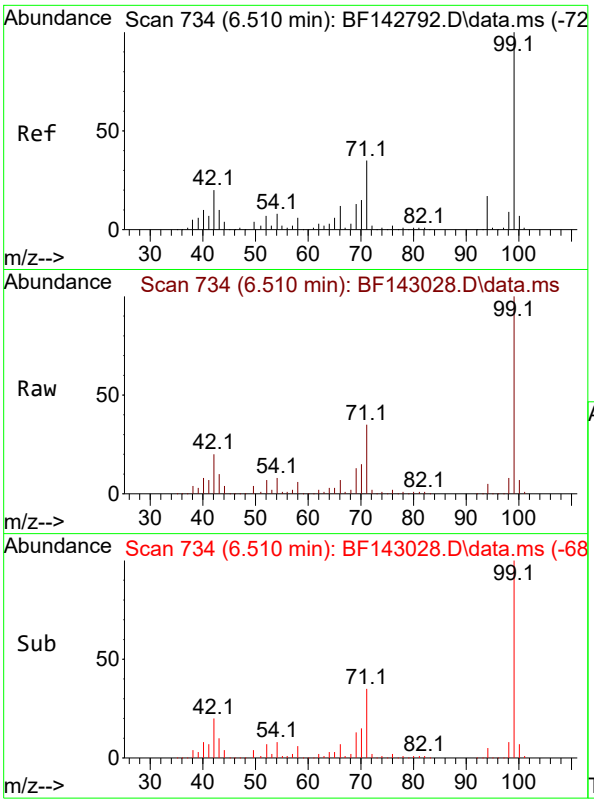


#6
Aniline
Concen: 36.556 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion: 93 Resp: 208216

Ion	Ratio	Lower	Upper
93	100		
66	48.7	31.8	47.6#
65	26.1	16.2	24.2#



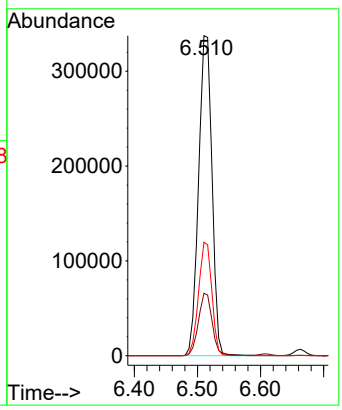


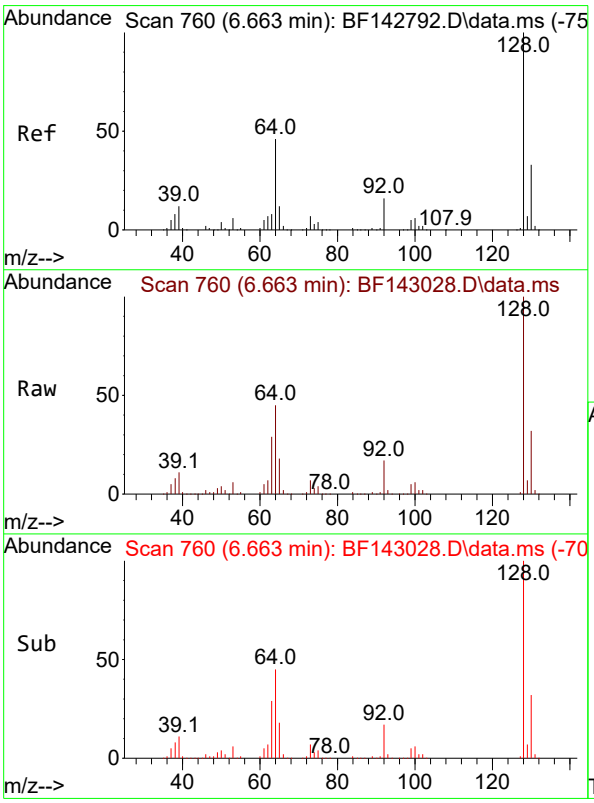
#7
Phenol-d6
Concen: 116.410 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion: 99 Resp: 498311

Ion	Ratio	Lower	Upper
99	100		
42	19.5	15.9	23.9
71	35.5	27.8	41.8

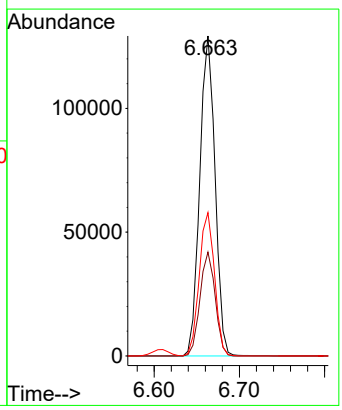


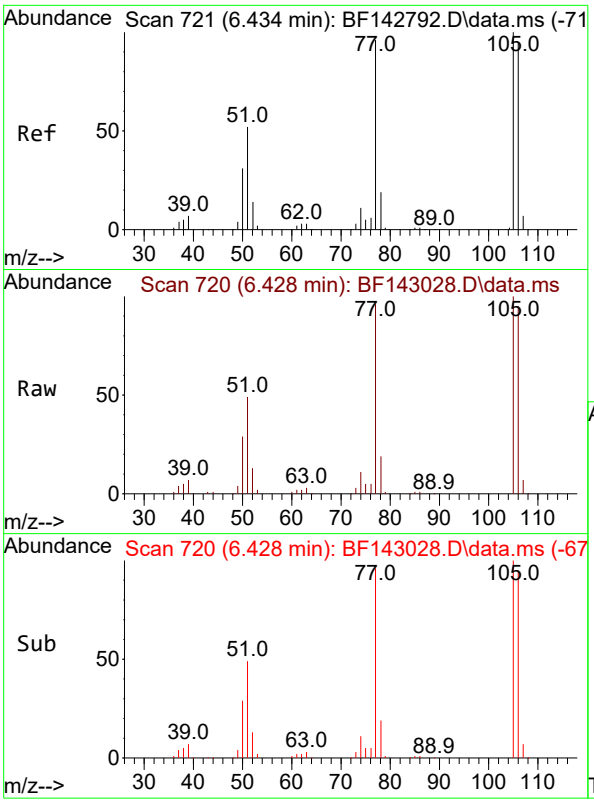


#8
2-Chlorophenol
Concen: 41.205 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:128 Resp: 161271

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.7	52.7
64	44.8	26.5	66.5



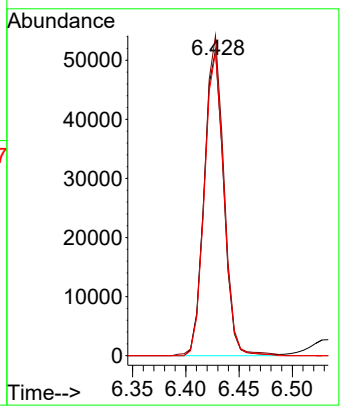


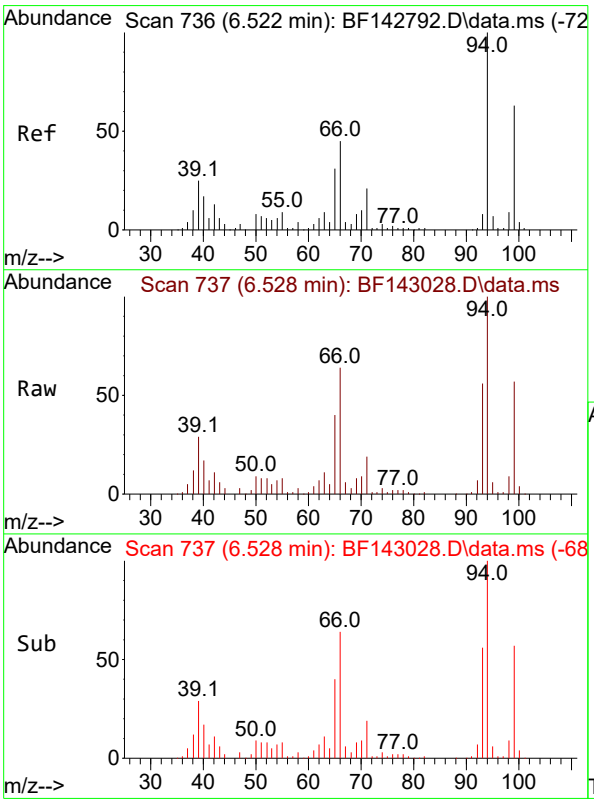
#9
Benzaldehyde
Concen: 25.943 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion: 77 Resp: 65886

Ion	Ratio	Lower	Upper
77	100		
105	104.6	83.8	123.8
106	99.2	78.7	118.7

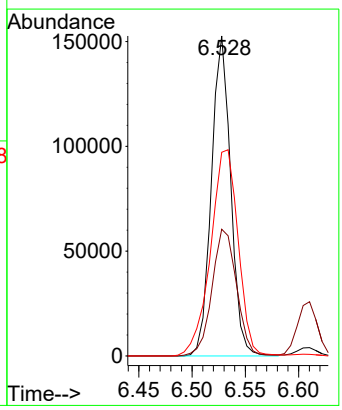


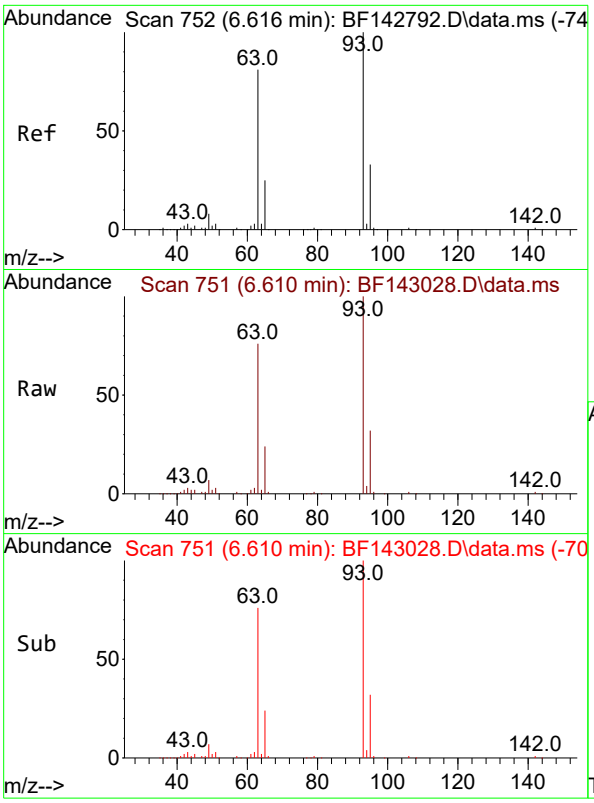


#10
Phenol
Concen: 40.312 ng
RT: 6.528 min Scan# 737
Delta R.T. 0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion: 94 Resp: 191814

Ion	Ratio	Lower	Upper
94	100		
65	39.6	11.3	51.3
66	63.6	24.9	64.9



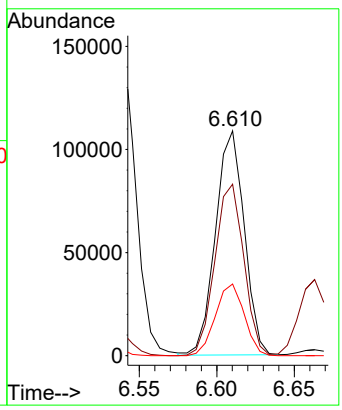


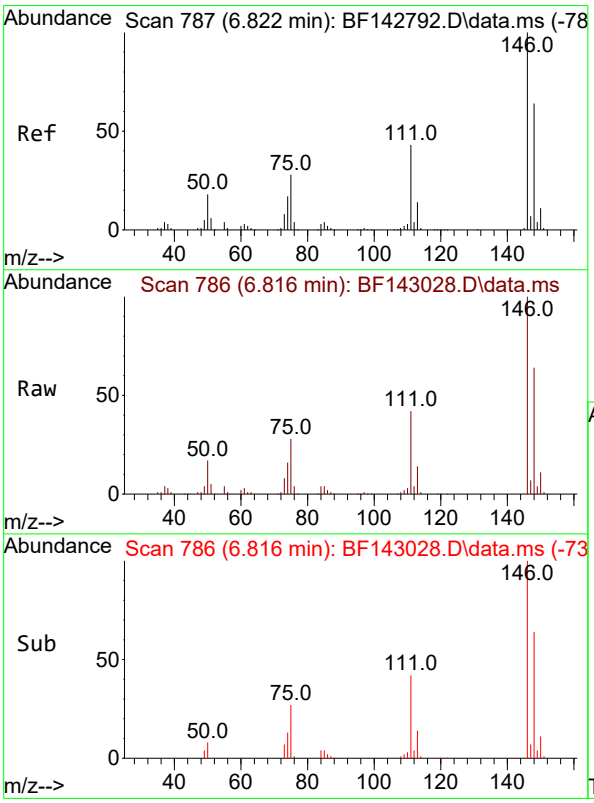
#11
bis(2-Chloroethyl)ether
Concen: 41.196 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion: 93 Resp: 140098

Ion	Ratio	Lower	Upper
93	100		
63	76.3	60.3	100.3
95	31.9	12.5	52.5

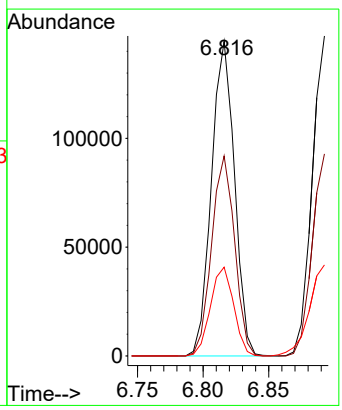


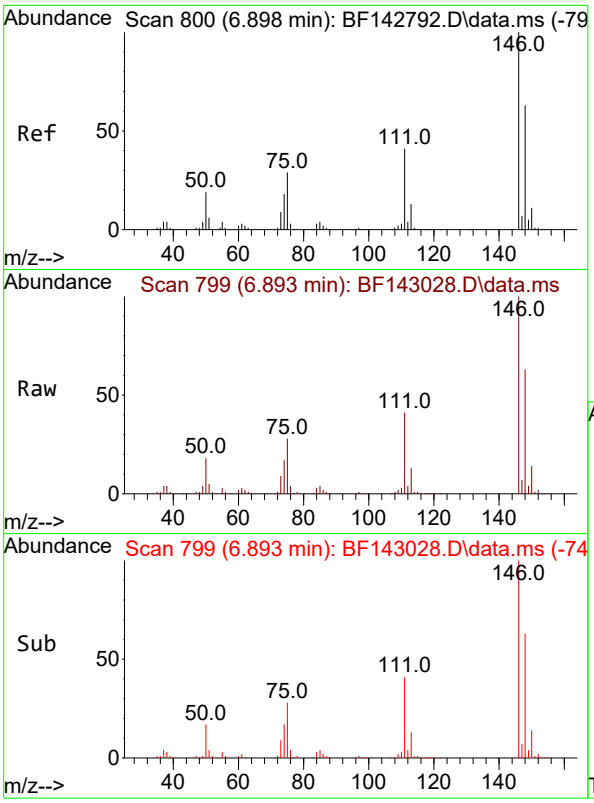


#12
1,3-Dichlorobenzene
Concen: 40.315 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:146 Resp: 176469

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.1	76.7
75	28.2	22.7	34.1



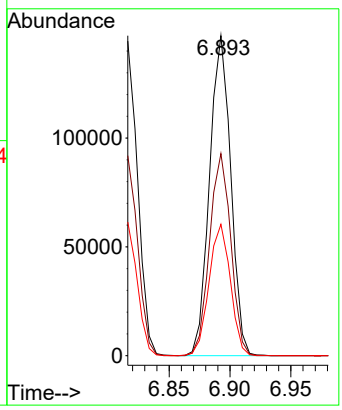


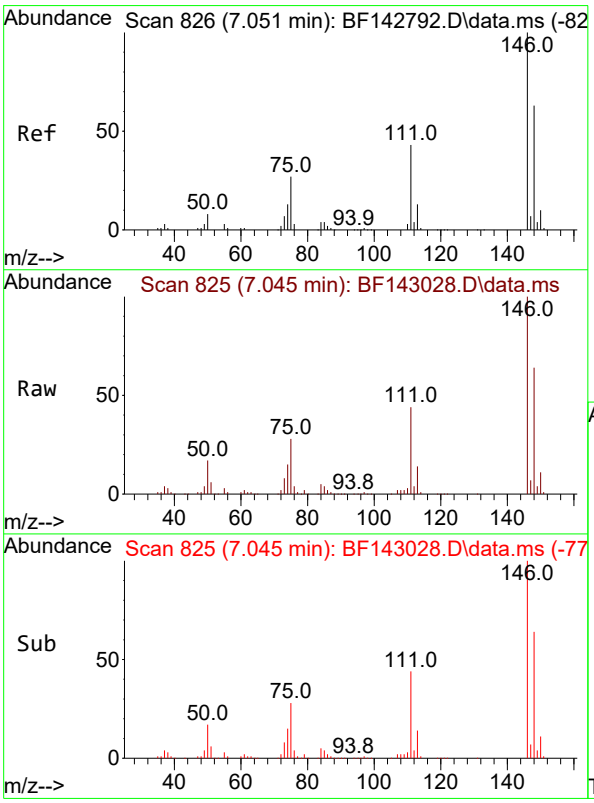
#13
1,4-Dichlorobenzene
Concen: 40.334 ng
RT: 6.893 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:146 Resp: 178127

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.2	75.2
111	41.1	33.2	49.8

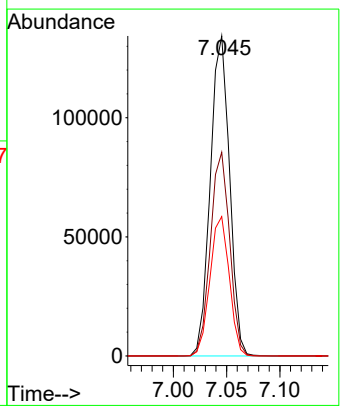


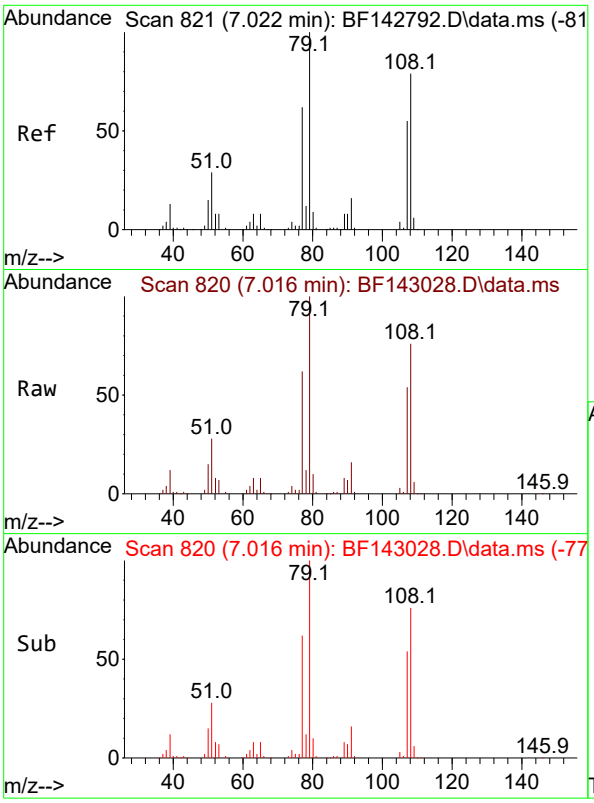


#14
1,2-Dichlorobenzene
Concen: 40.234 ng
RT: 7.045 min Scan# 825
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:146 Resp: 168532

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.4	75.6
111	43.6	34.1	51.1



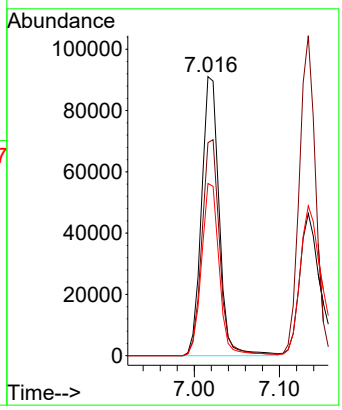


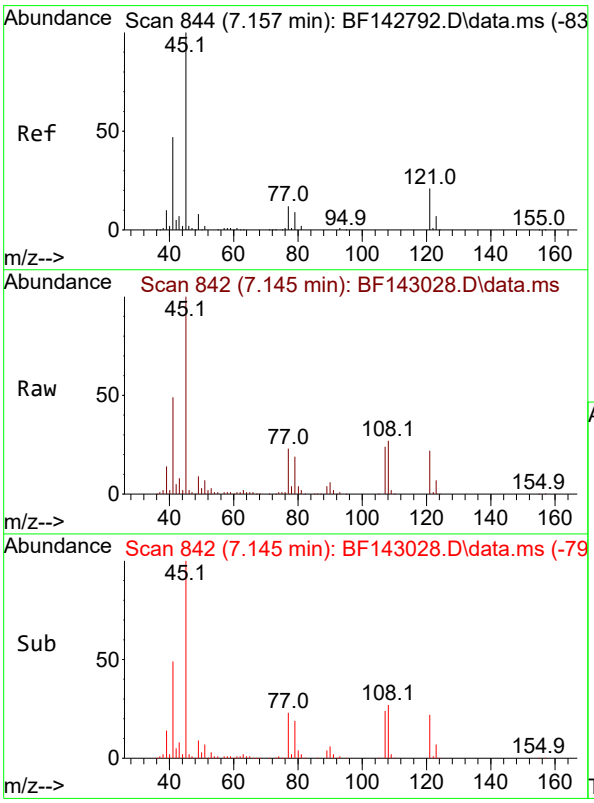
#15
Benzyl Alcohol
Concen: 42.314 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion: 79 Resp: 130947

Ion	Ratio	Lower	Upper
79	100		
108	76.3	63.4	95.0
77	61.7	49.5	74.3

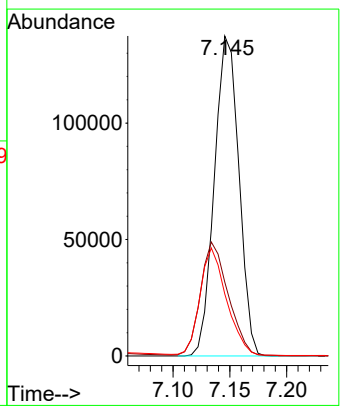


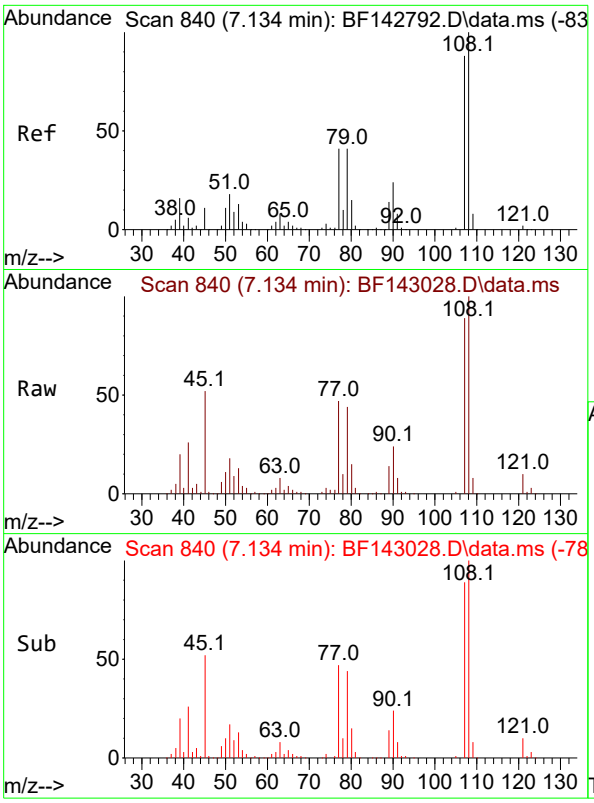


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.793 ng
RT: 7.145 min Scan# 842
Delta R.T. -0.012 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion: 45 Resp: 206494

Ion	Ratio	Lower	Upper
45	100		
77	23.1	0.0	32.8
79	19.4	0.0	29.8



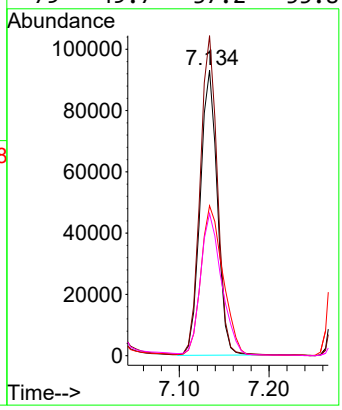


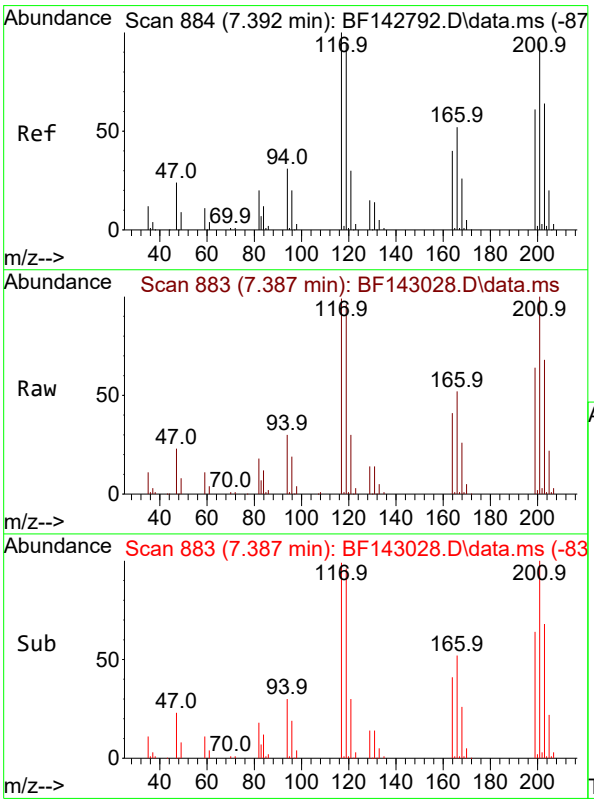
#17
2-Methylphenol
Concen: 41.359 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:107 Resp: 122670

Ion	Ratio	Lower	Upper
107	100		
108	112.1	90.9	136.3
77	52.5	37.3	55.9
79	49.7	37.2	55.8

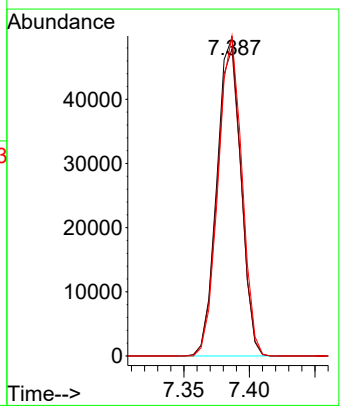


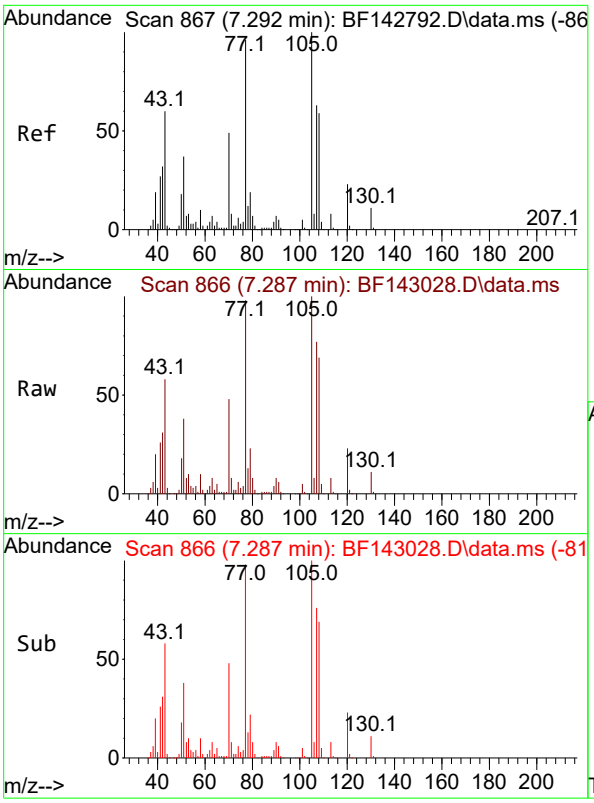


#18
Hexachloroethane
Concen: 40.880 ng
RT: 7.387 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:117 Resp: 63147

Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.4	113.0
201	100.7	75.9	113.9



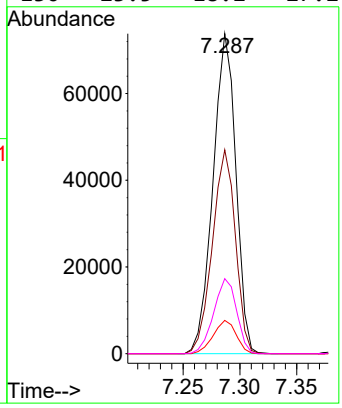


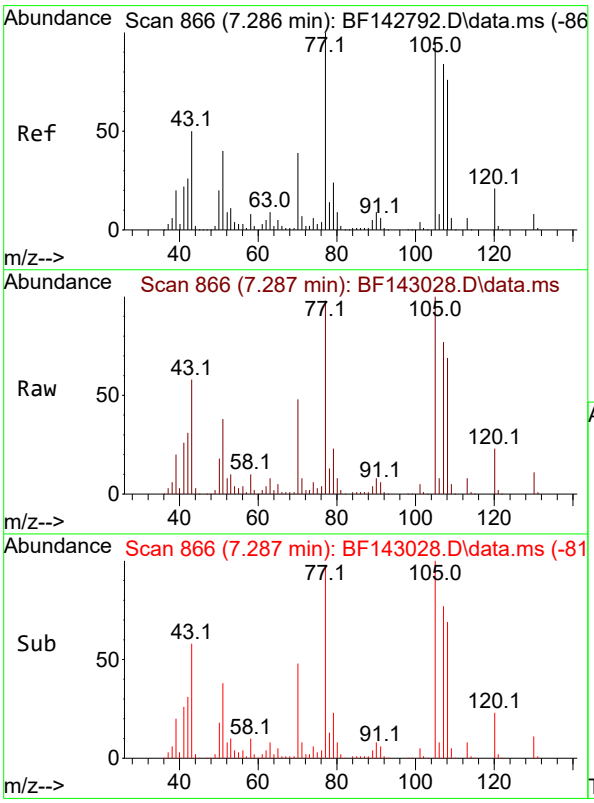
#19
n-Nitroso-di-n-propylamine
Concen: 41.534 ng
RT: 7.287 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion: 70 Resp: 103405

Ion	Ratio	Lower	Upper
70	100		
42	63.7	52.1	78.1
101	10.4	8.2	12.2
130	23.5	18.2	27.2

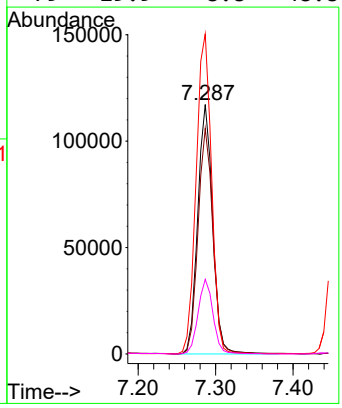


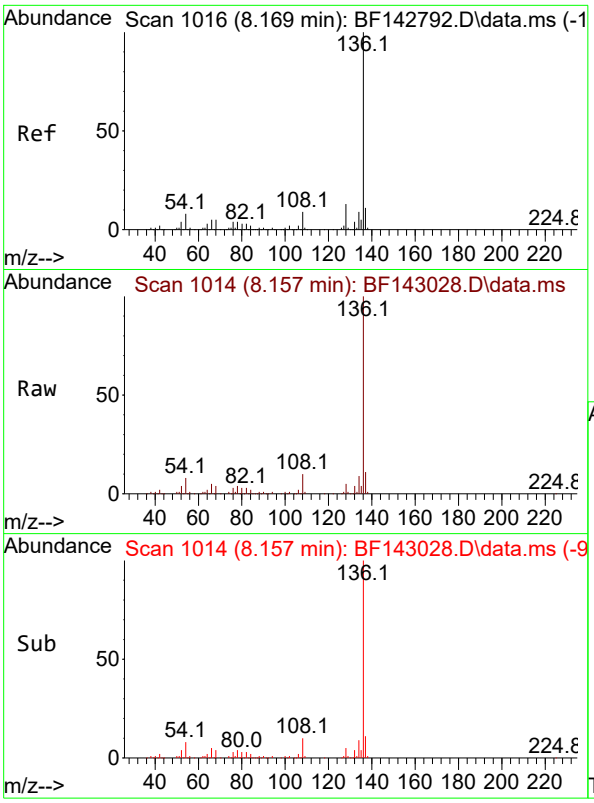


#20
3+4-Methylphenols
Concen: 42.485 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:107 Resp: 157112

Ion	Ratio	Lower	Upper
107	100		
108	90.4	70.0	110.0
77	128.3	98.5	138.5
79	29.9	8.8	48.8



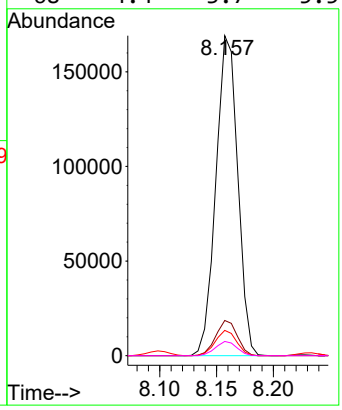


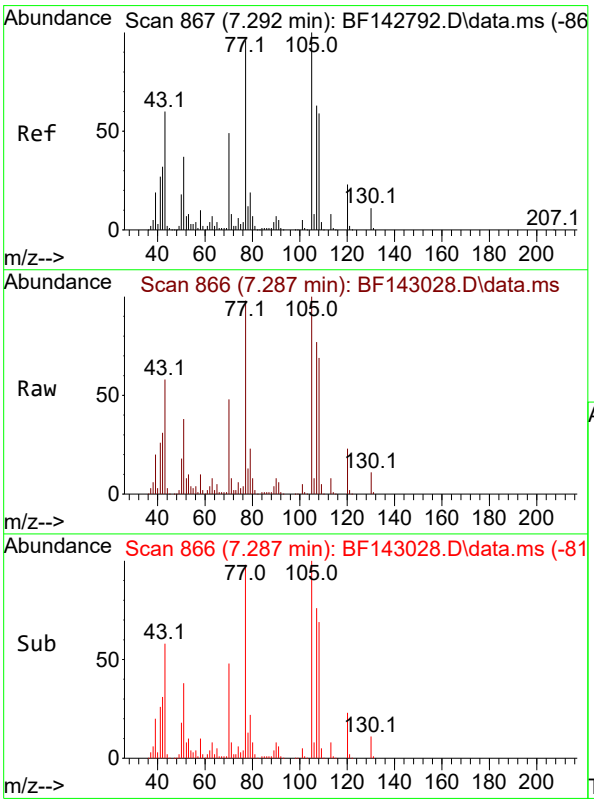
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:136 Resp: 226362

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	7.9	6.3	9.5
68	4.4	3.7	5.5

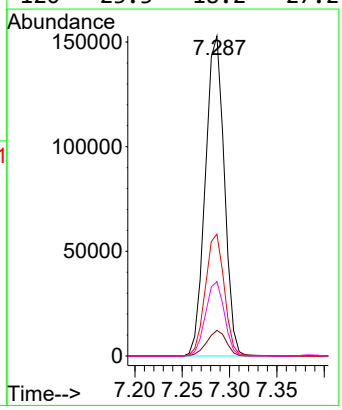


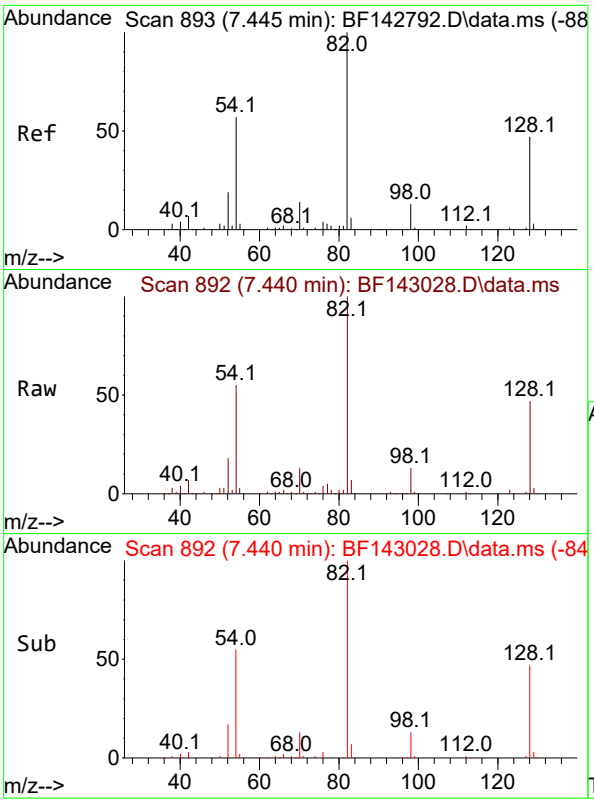


#22
Acetophenone
Concen: 42.587 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:105 Resp: 212582

Ion	Ratio	Lower	Upper
105	100		
71	8.0	6.5	9.7
51	38.1	29.8	44.8
120	23.3	18.2	27.2



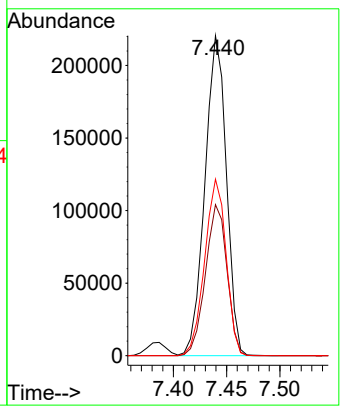


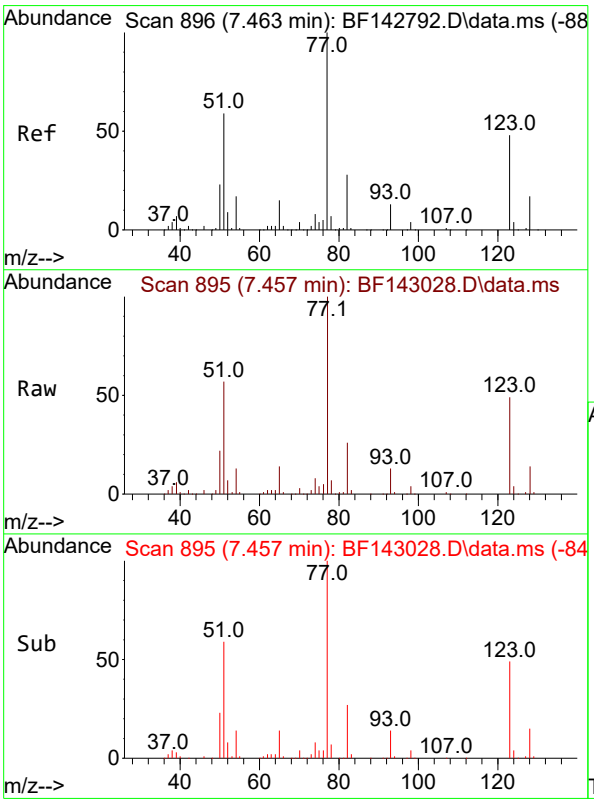
#23
Nitrobenzene-d5
Concen: 74.898 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion: 82 Resp: 309095

Ion	Ratio	Lower	Upper
82	100		
128	47.2	37.7	56.5
54	55.2	45.7	68.5

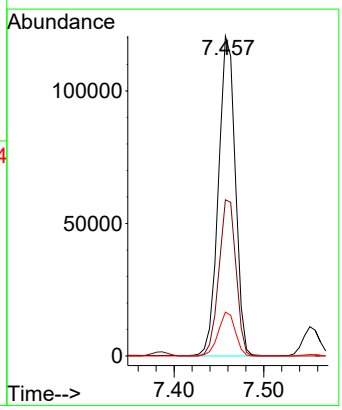


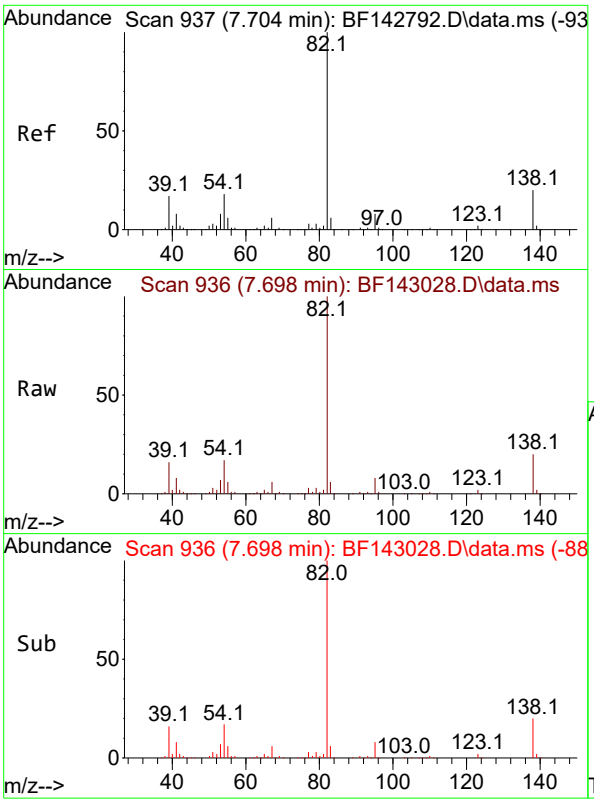


#24
Nitrobenzene
Concen: 42.302 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion: 77 Resp: 158005

Ion	Ratio	Lower	Upper
77	100		
123	48.8	39.2	58.8
65	13.7	11.6	17.4



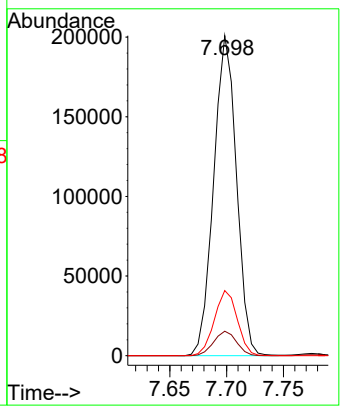


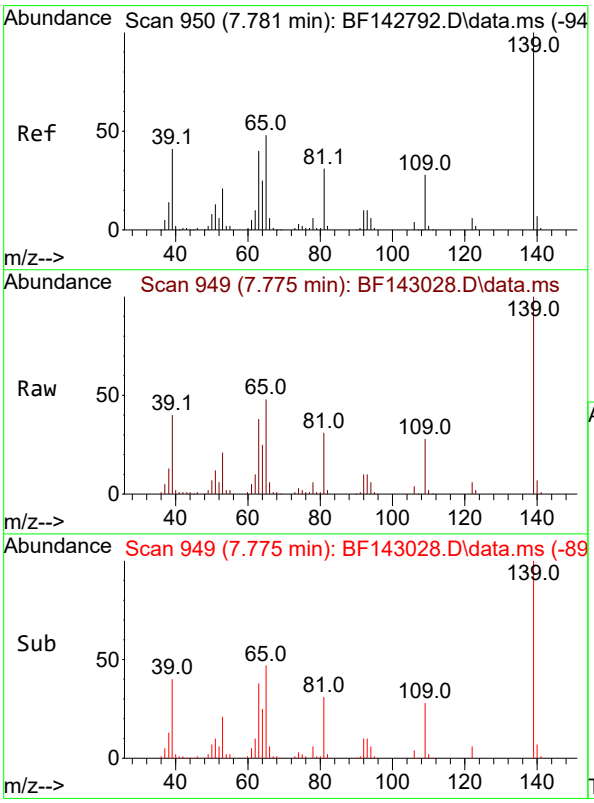
#25
Isophorone
Concen: 42.407 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion: 82 Resp: 280738

Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.2	9.2
138	20.3	16.2	24.4

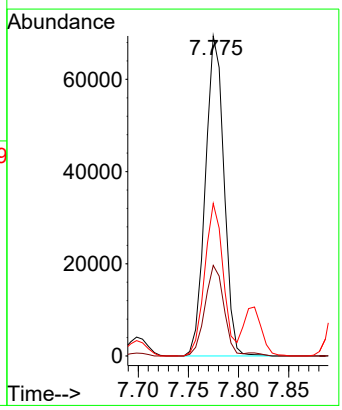


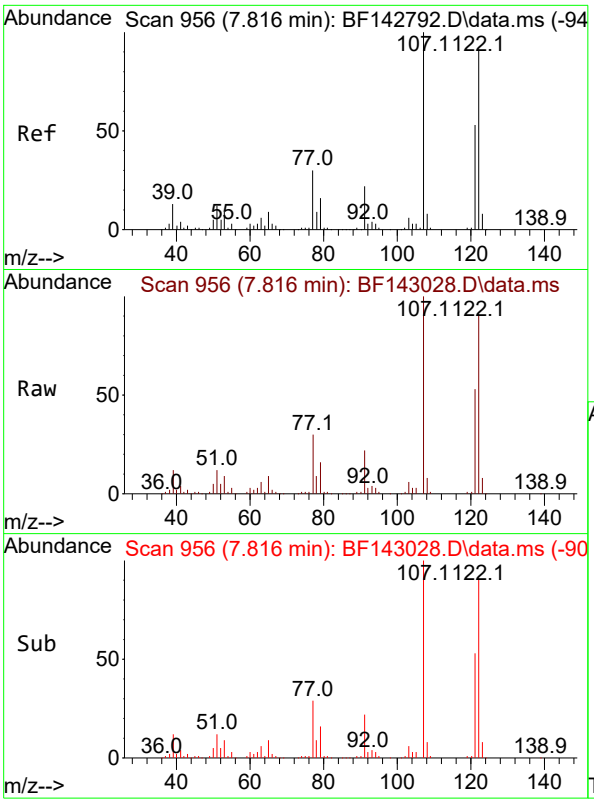


#26
2-Nitrophenol
Concen: 44.245 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:139 Resp: 90027

Ion	Ratio	Lower	Upper
139	100		
109	28.3	22.7	34.1
65	47.7	38.6	58.0



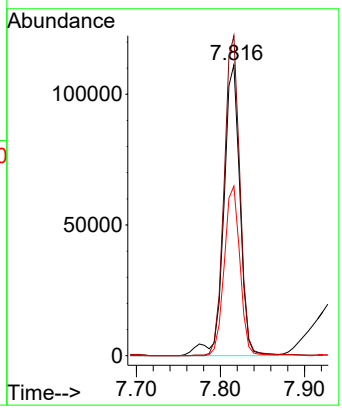


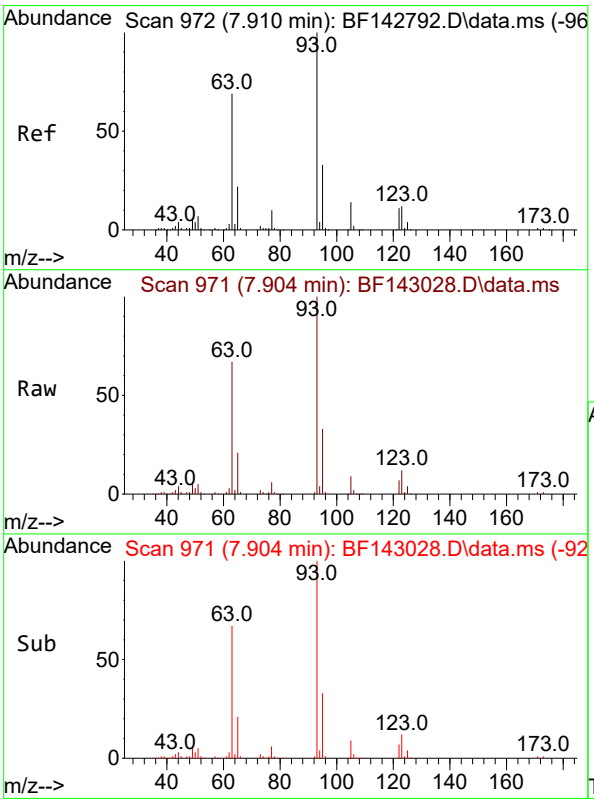
#27
2,4-Dimethylphenol
Concen: 42.464 ng m
RT: 7.816 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:122 Resp: 149664

Ion	Ratio	Lower	Upper
122	100		
107	110.0	88.0	132.0
121	58.3	46.3	69.5

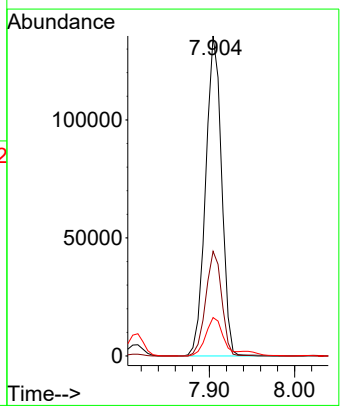


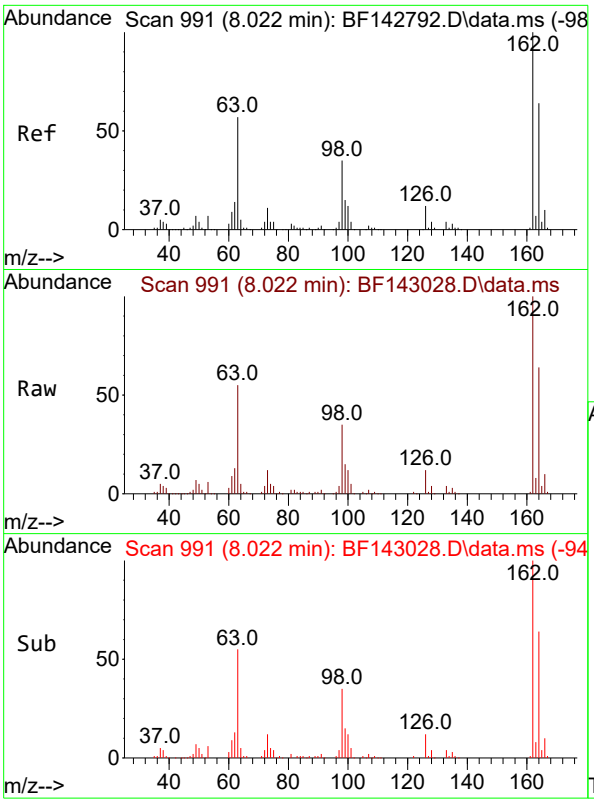


#28
bis(2-Chloroethoxy)methane
Concen: 41.968 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion: 93 Resp: 176633

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.2	39.2
123	12.0	9.9	14.9



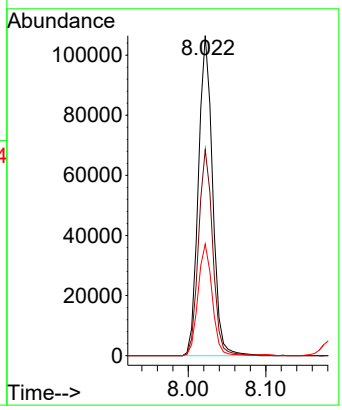


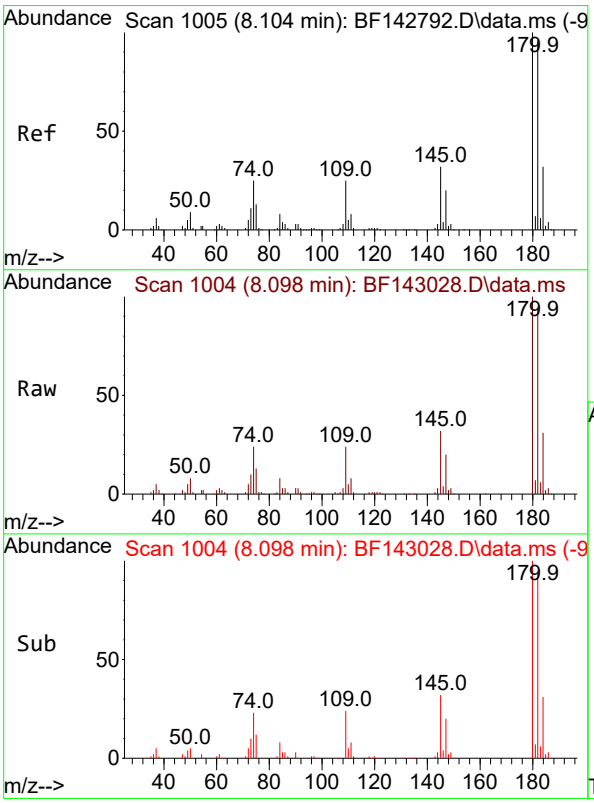
#29
2,4-Dichlorophenol
Concen: 42.390 ng
RT: 8.022 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:162 Resp: 135467

Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.0	84.0
98	34.9	15.4	55.4

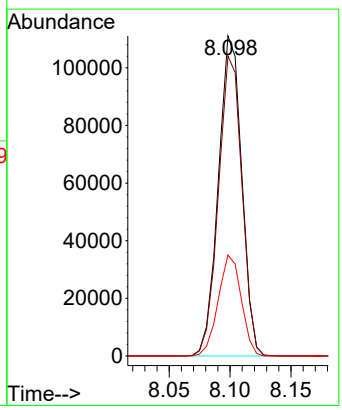


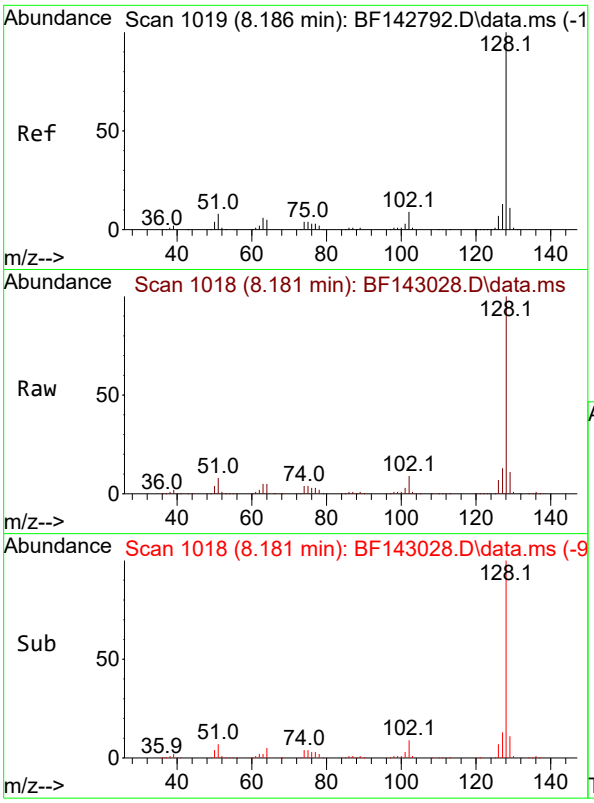


#30
1,2,4-Trichlorobenzene
Concen: 42.197 ng
RT: 8.098 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:180 Resp: 148284

Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.4	114.6
145	31.5	25.8	38.8



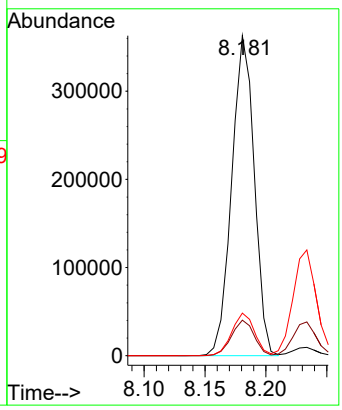


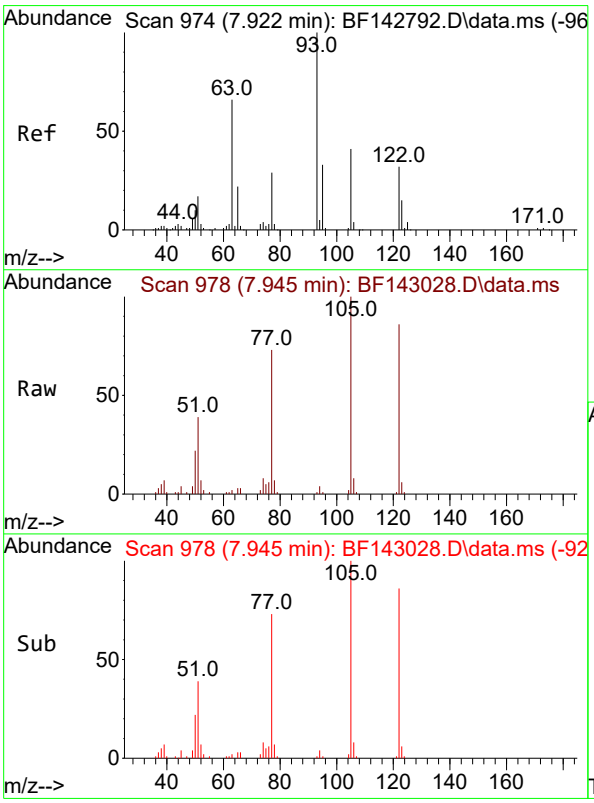
#31
Naphthalene
Concen: 42.249 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:128 Resp: 468116

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.3	10.4	15.6

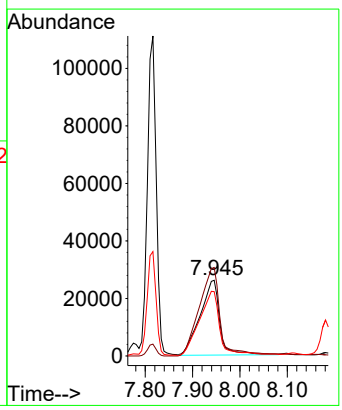


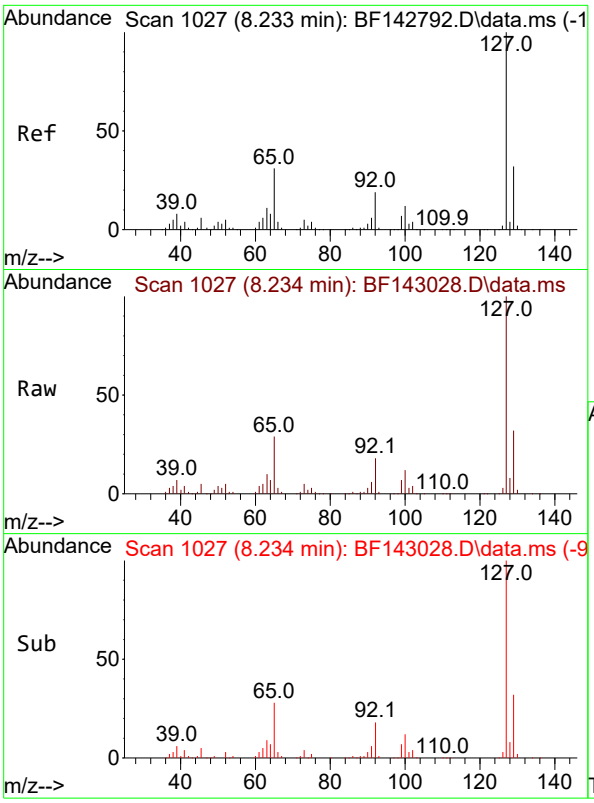


#32
Benzoic acid
Concen: 42.020 ng
RT: 7.945 min Scan# 978
Delta R.T. 0.024 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:122 Resp: 75484

Ion	Ratio	Lower	Upper
122	100		
105	116.9	104.7	144.7
77	85.1	70.2	110.2



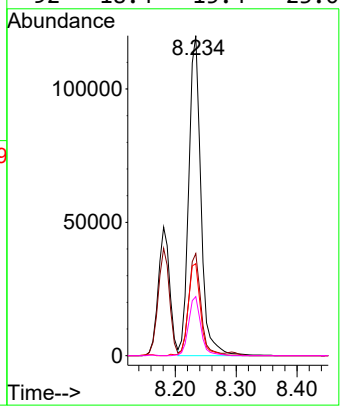


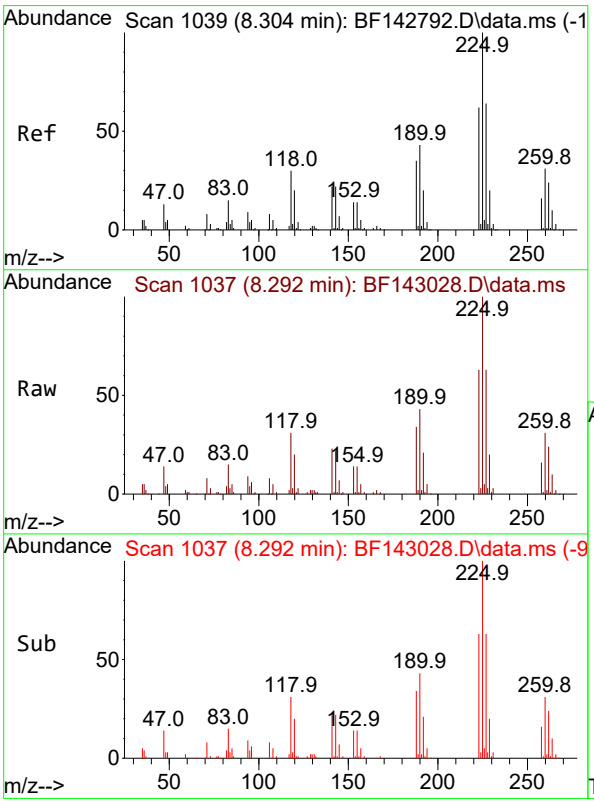
#33
4-Chloroaniline
Concen: 37.169 ng
RT: 8.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:127 Resp: 167459

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.9	38.9
65	28.8	24.6	36.8
92	18.4	15.4	23.0

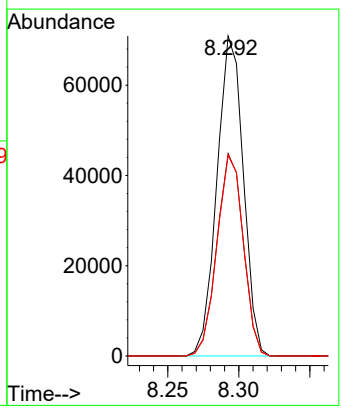


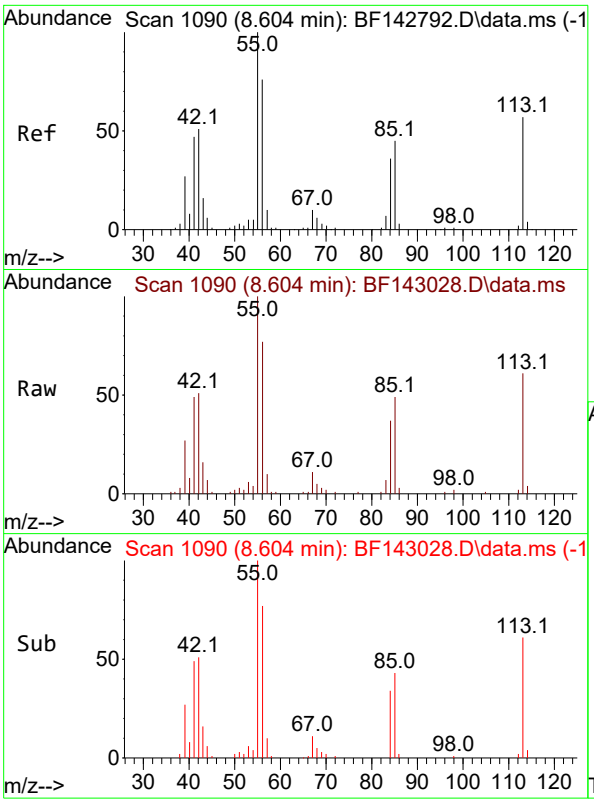


#34
Hexachlorobutadiene
Concen: 42.544 ng
RT: 8.292 min Scan# 1037
Delta R.T. -0.012 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:225 Resp: 91447

Ion	Ratio	Lower	Upper
225	100		
223	63.3	49.9	74.9
227	62.7	51.4	77.0



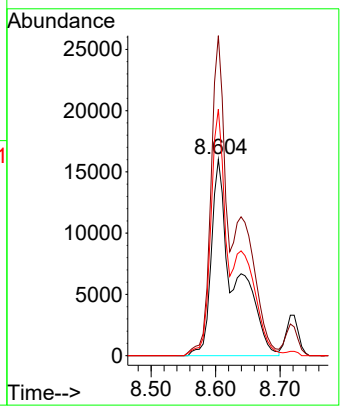


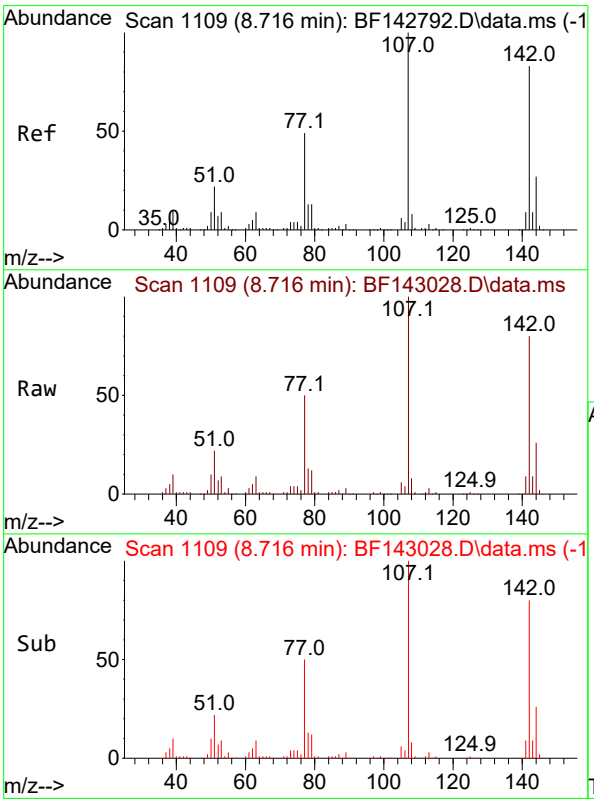
#35
Caprolactam
Concen: 48.283 ng m
RT: 8.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:113 Resp: 40716

Ion	Ratio	Lower	Upper
113	100		
55	163.0	154.4	194.4
56	125.6	112.1	152.1

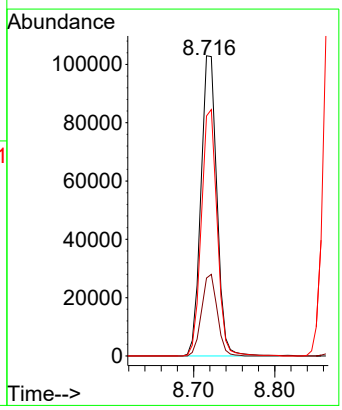


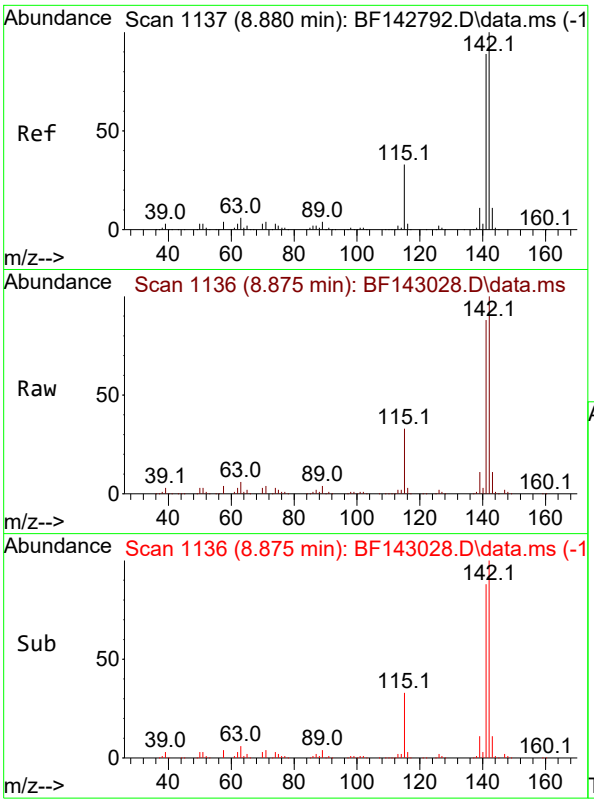


#36
4-Chloro-3-methylphenol
Concen: 44.294 ng
RT: 8.716 min Scan# 1109
Delta R.T. 0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:107 Resp: 140678

Ion	Ratio	Lower	Upper
107	100		
144	26.0	21.3	31.9
142	79.9	66.6	100.0



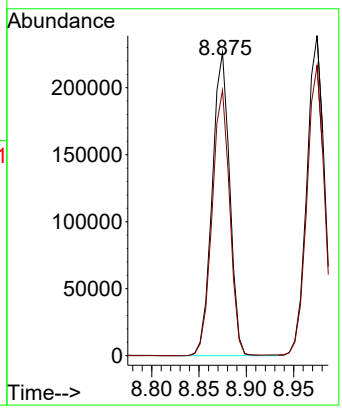


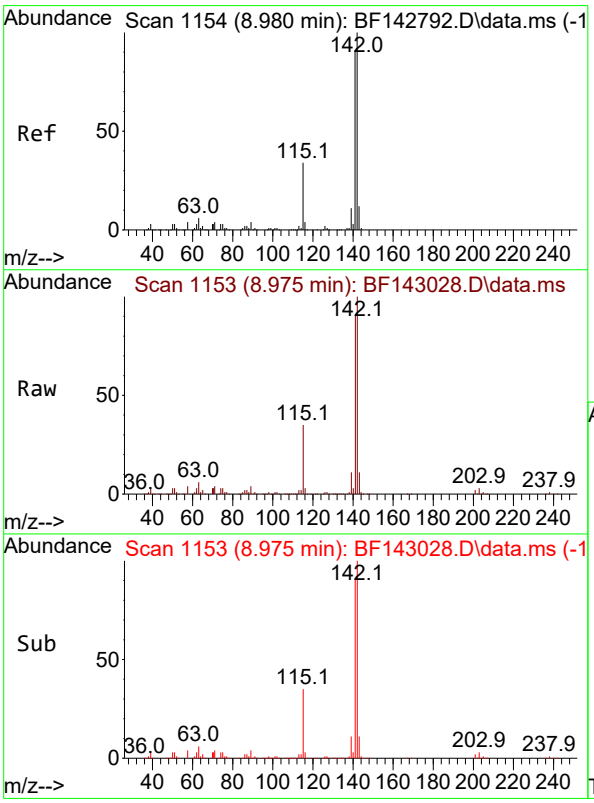
#37
2-Methylnaphthalene
Concen: 42.492 ng
RT: 8.875 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:142 Resp: 291888

Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.9	106.3

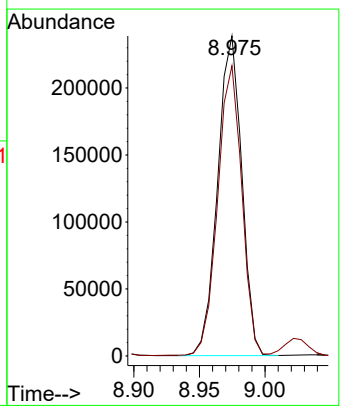


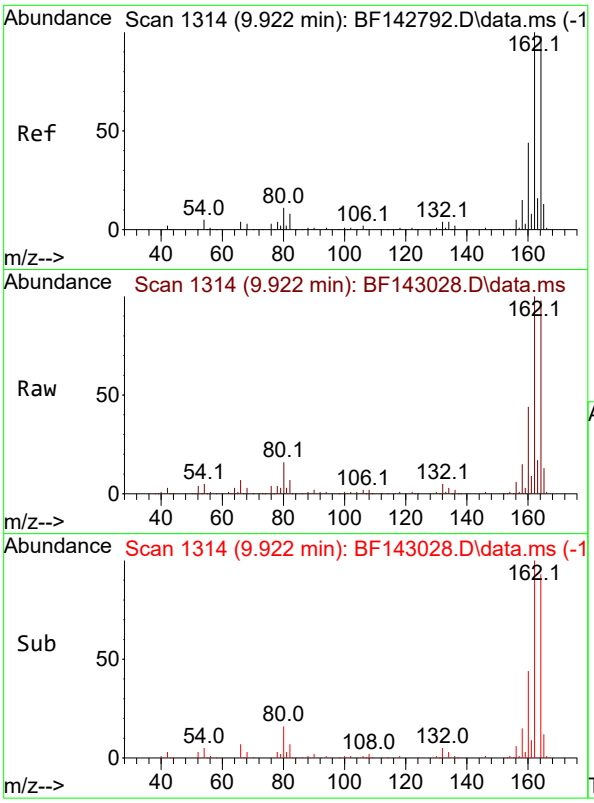


#38
1-Methylnaphthalene
Concen: 42.891 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:142 Resp: 304995

Ion	Ratio	Lower	Upper
142	100		
141	90.7	73.0	109.4



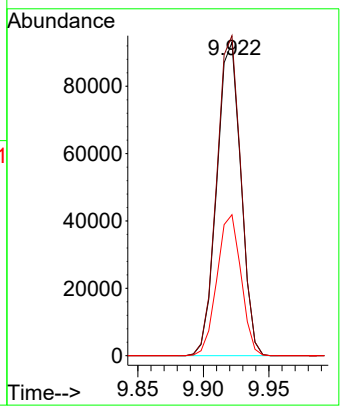


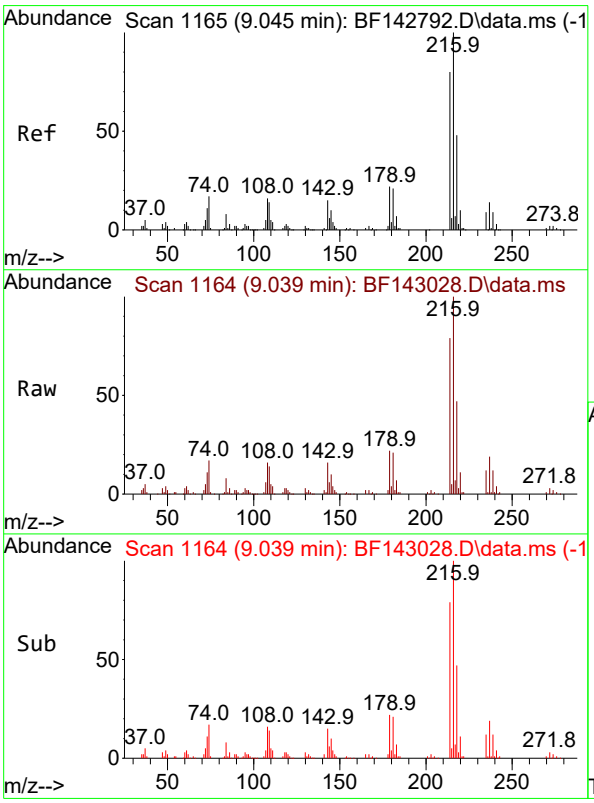
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:164 Resp: 118776

Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.8	122.8
160	45.0	36.0	54.0

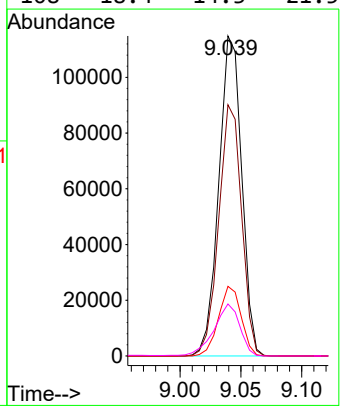


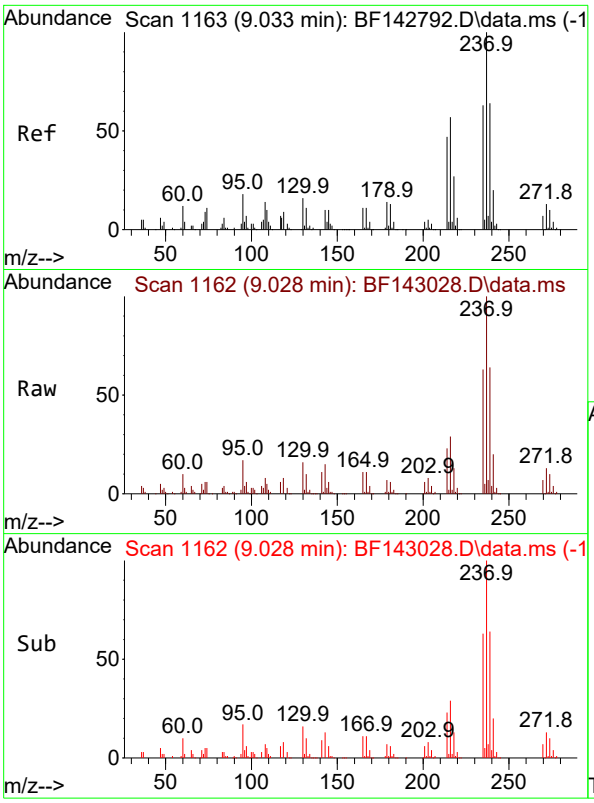


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.917 ng
RT: 9.039 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:216 Resp: 150411

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.7	95.5
179	21.5	17.6	26.4
108	18.4	14.3	21.5



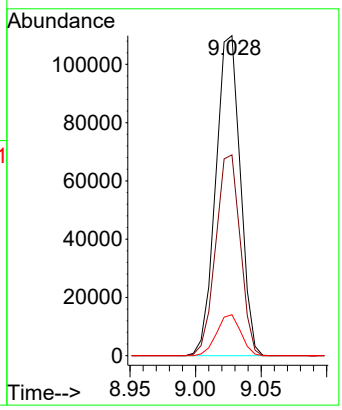


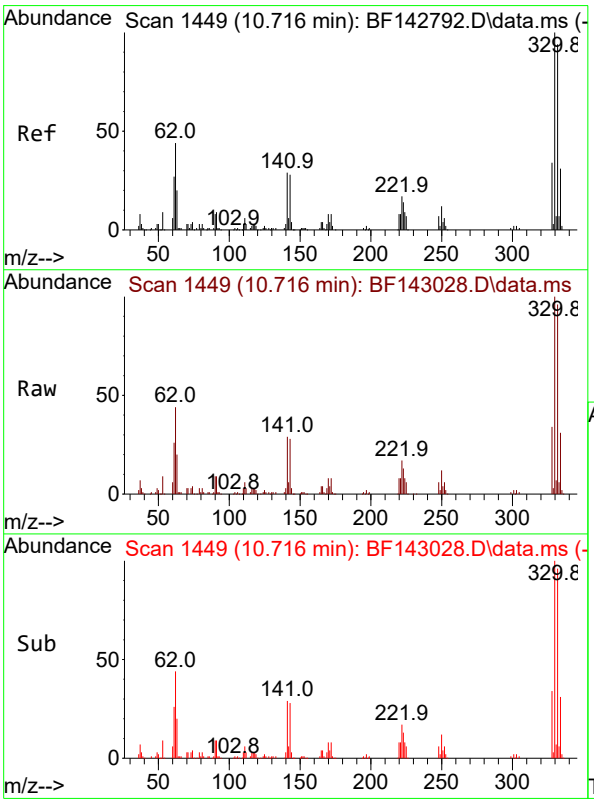
#41
Hexachlorocyclopentadiene
Concen: 71.736 ng
RT: 9.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:237 Resp: 142671

Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.4	83.4
272	12.8	0.0	32.7

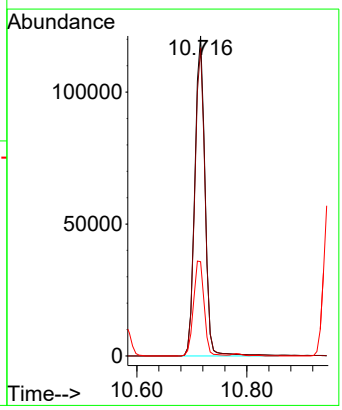


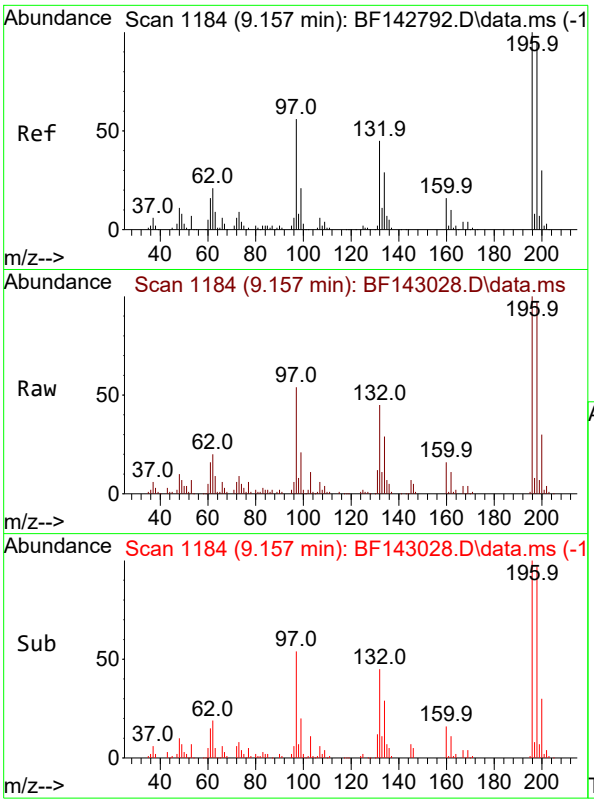


#42
2,4,6-Tribromophenol
Concen: 127.671 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:330 Resp: 156050

Ion	Ratio	Lower	Upper
330	100		
332	96.2	75.0	112.6
141	31.0	25.3	37.9



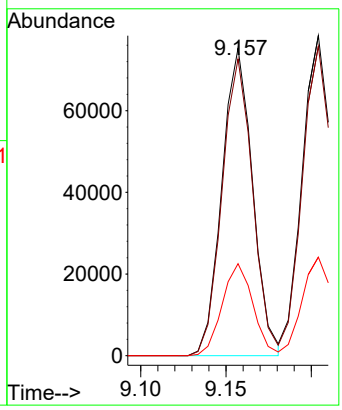


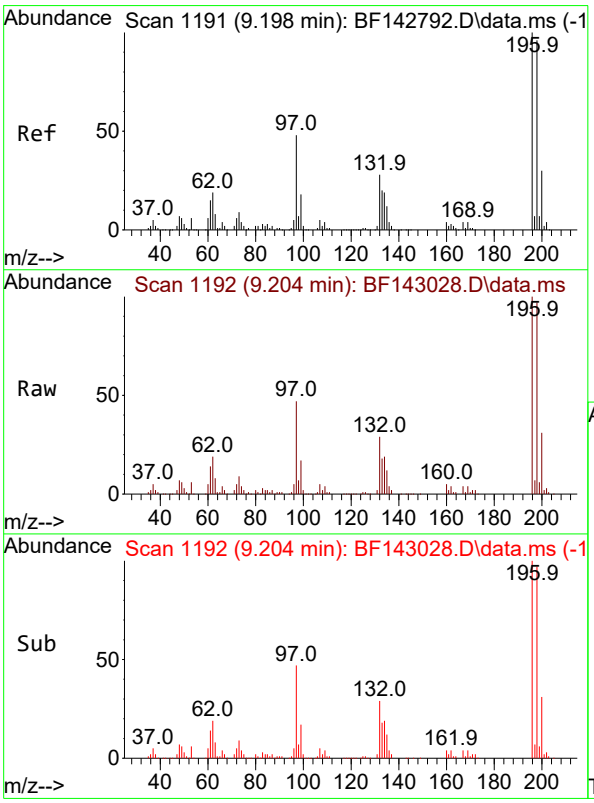
#43
2,4,6-Trichlorophenol
Concen: 41.400 ng
RT: 9.157 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:196 Resp: 94547

Ion	Ratio	Lower	Upper
196	100		
198	96.5	76.2	114.2
200	29.9	24.1	36.1

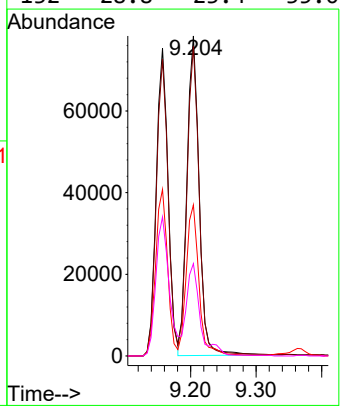


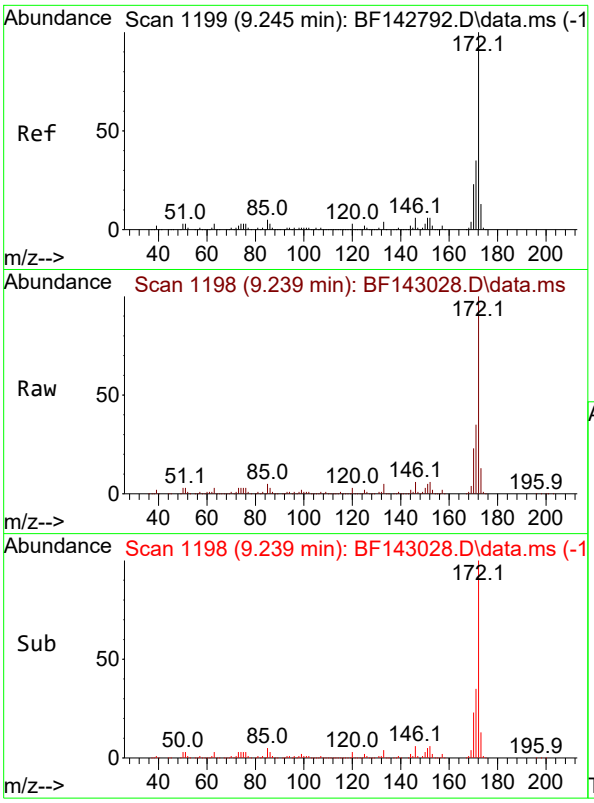


#44
2,4,5-Trichlorophenol
Concen: 42.055 ng
RT: 9.204 min Scan# 1192
Delta R.T. 0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:196 Resp: 101102

Ion	Ratio	Lower	Upper
196	100		
198	96.7	76.6	115.0
97	47.2	38.2	57.2
132	28.8	23.4	35.0



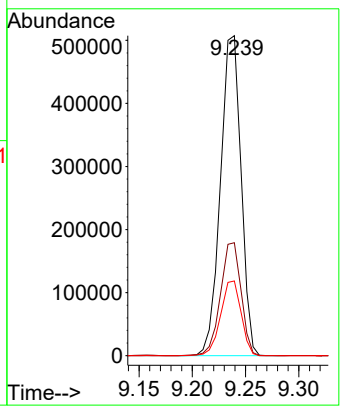


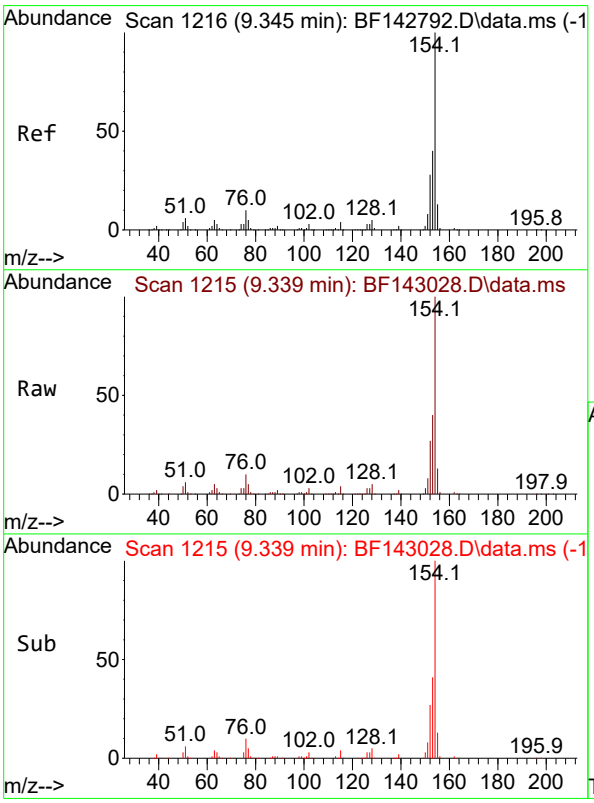
#45
2-Fluorobiphenyl
Concen: 75.467 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:172 Resp: 682333

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.4
170	23.4	18.5	27.7

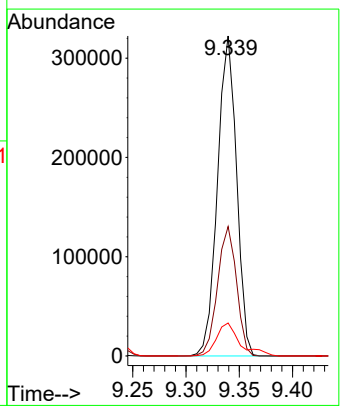


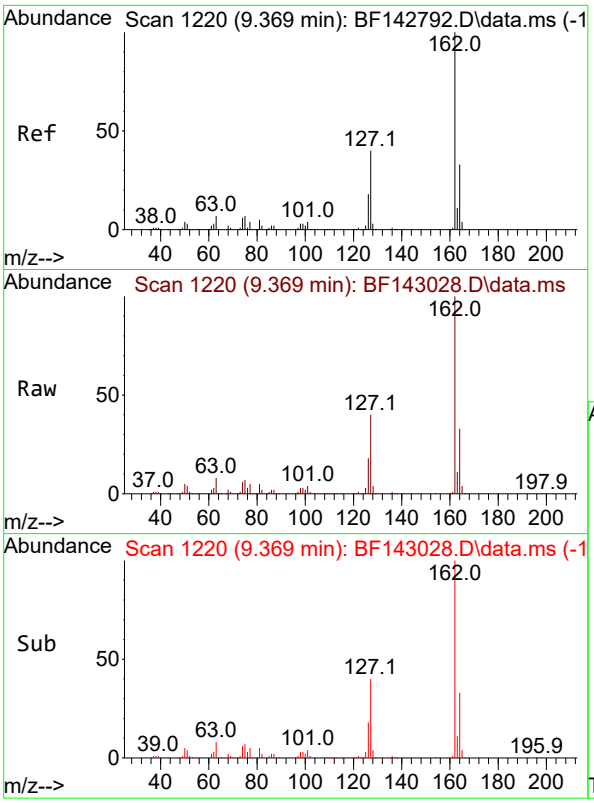


#46
1,1'-Biphenyl
Concen: 42.605 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:154 Resp: 399750

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.3	60.3
76	10.3	0.0	30.3



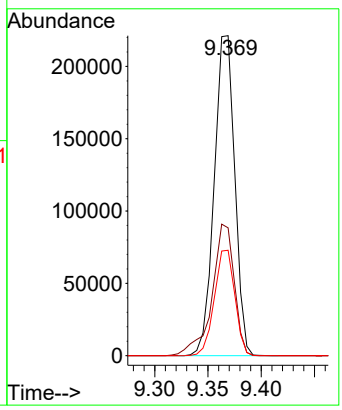


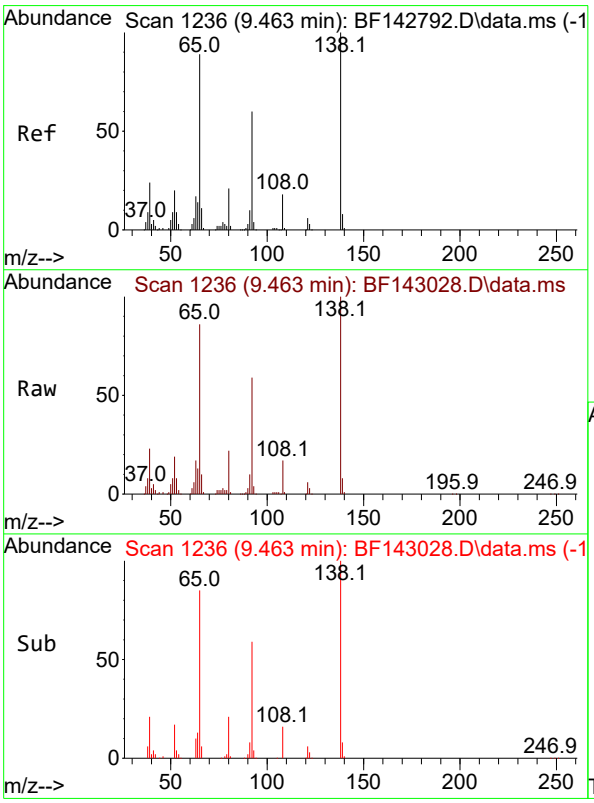
#47
2-Chloronaphthalene
Concen: 42.080 ng
RT: 9.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:162 Resp: 296286

Ion	Ratio	Lower	Upper
162	100		
127	39.9	32.2	48.2
164	33.0	26.1	39.1

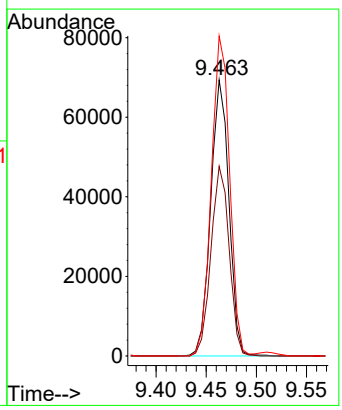


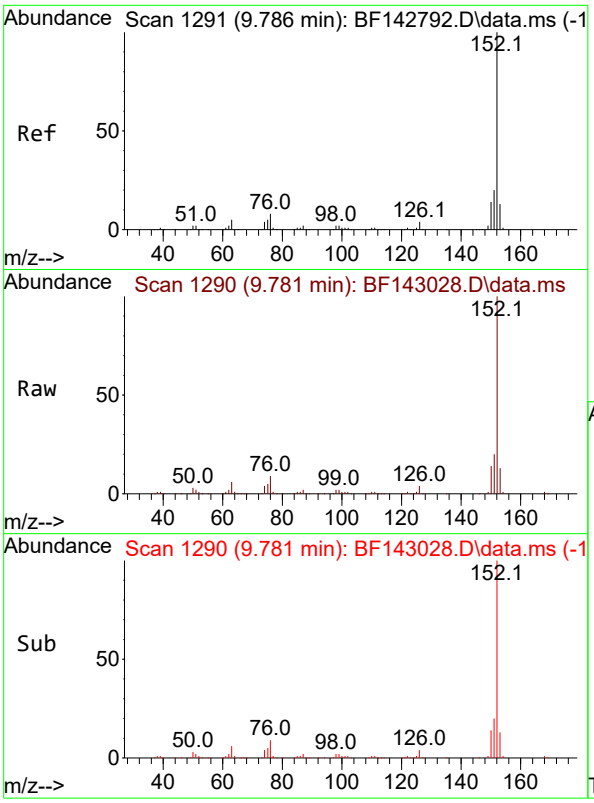


#48
2-Nitroaniline
Concen: 44.490 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion: 65 Resp: 87823

Ion	Ratio	Lower	Upper
65	100		
92	68.7	53.8	80.6
138	115.9	89.6	134.4



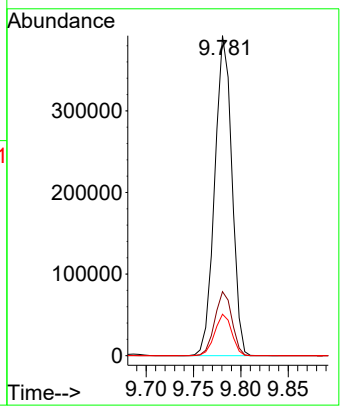


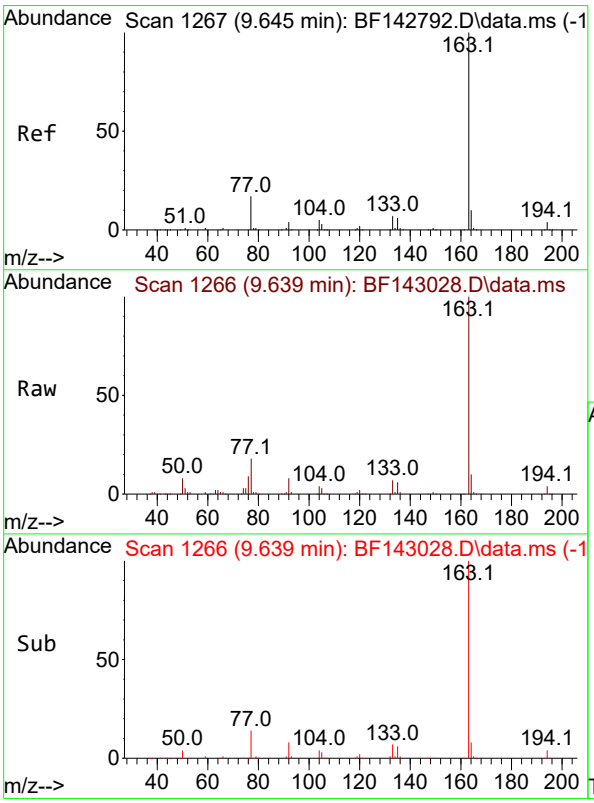
#49
Acenaphthylene
Concen: 42.749 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:152 Resp: 495501

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.1	24.1
153	13.0	10.4	15.6

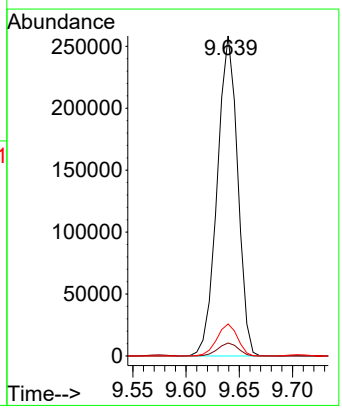


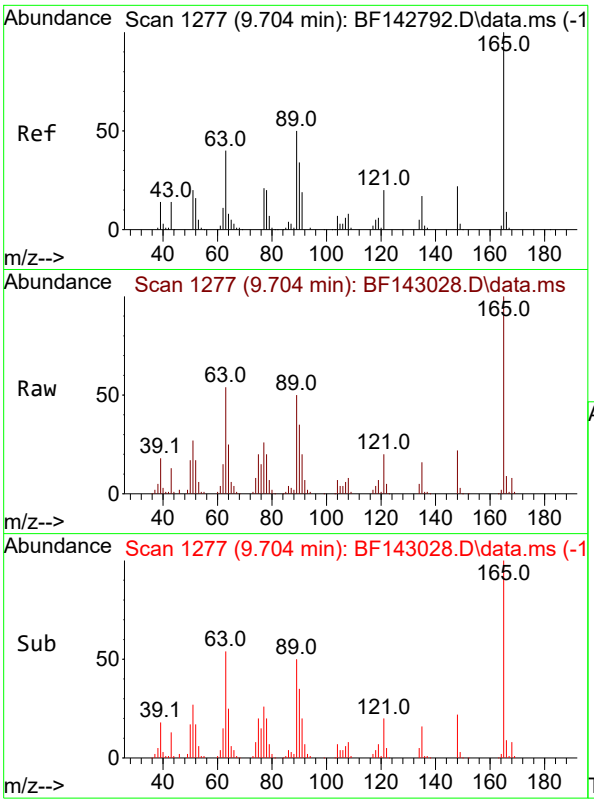


#50
Dimethylphthalate
Concen: 44.820 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:163 Resp: 344592

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.0	8.0	12.0



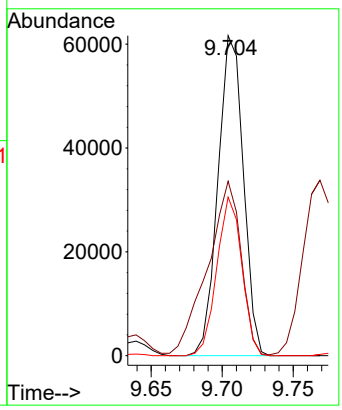


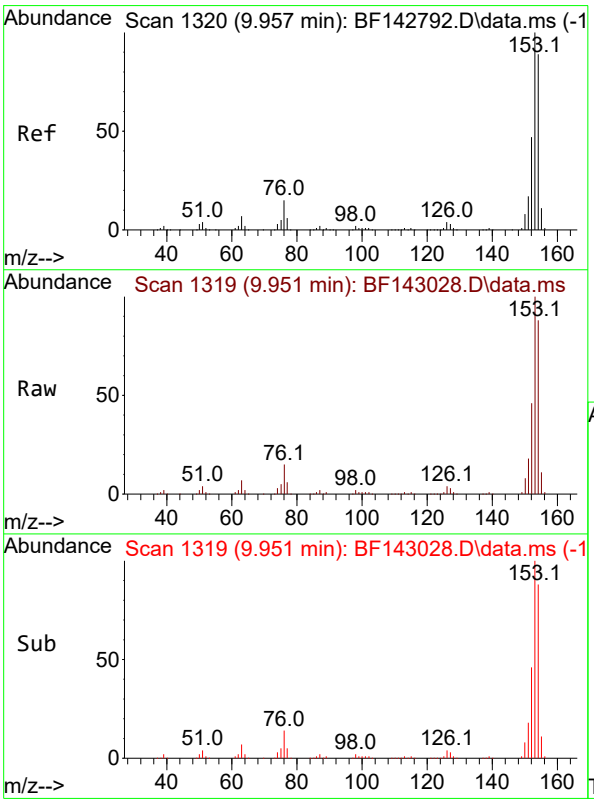
#51
2,6-Dinitrotoluene
Concen: 45.447 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:165 Resp: 76735

Ion	Ratio	Lower	Upper
165	100		
63	54.5	44.2	66.4
89	49.6	39.8	59.8

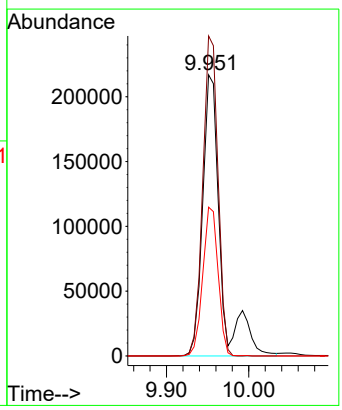


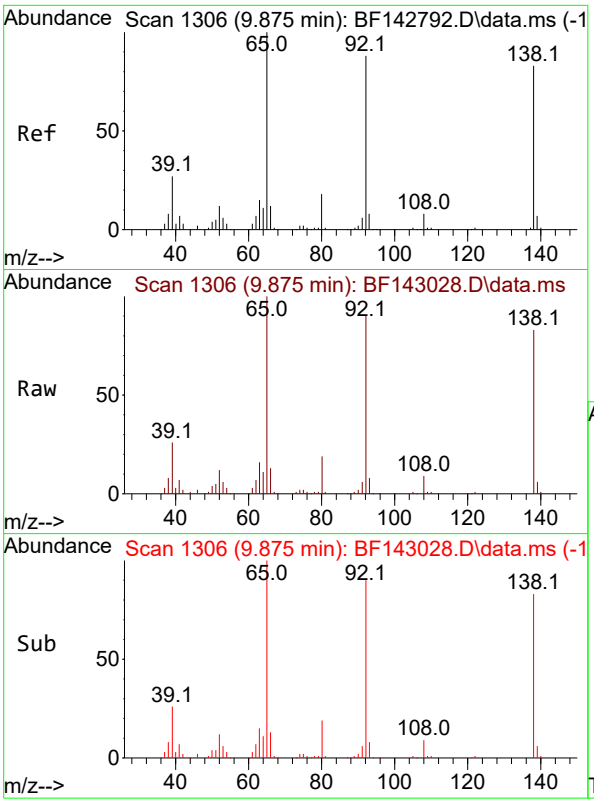


#52
Acenaphthene
Concen: 46.586 ng m
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:154 Resp: 329456

Ion	Ratio	Lower	Upper
154	100		
153	113.8	90.0	135.0
152	52.9	41.9	62.9



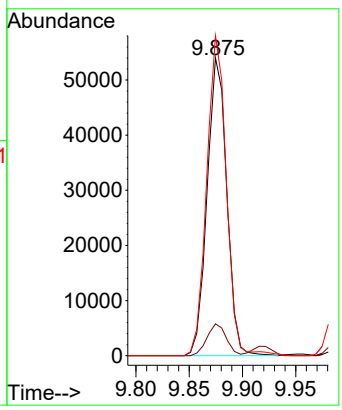


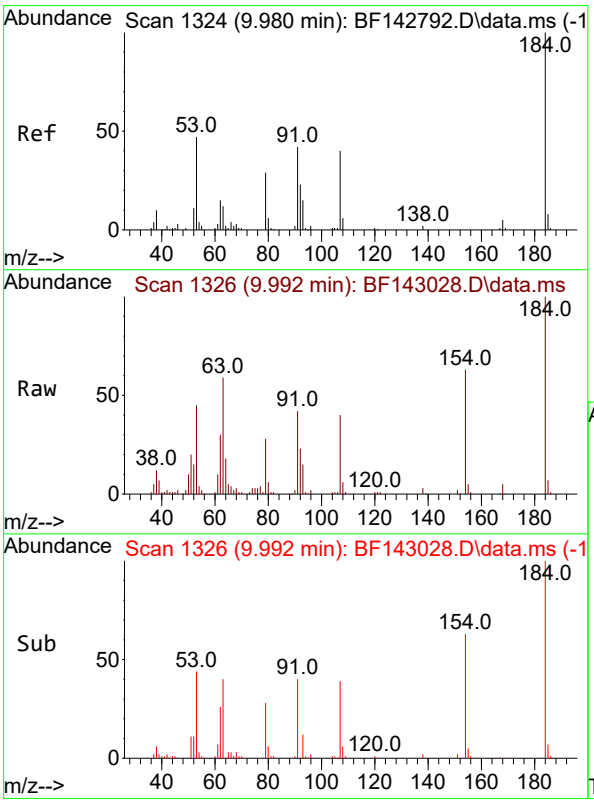
#53
3-Nitroaniline
Concen: 37.419 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:138 Resp: 69562

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.1	12.1
92	107.5	85.1	127.7

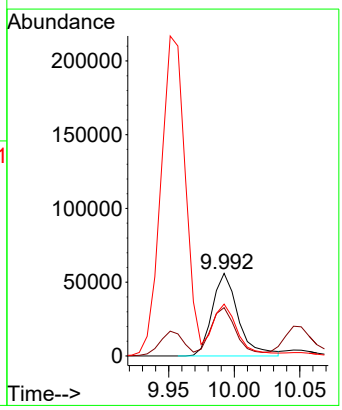


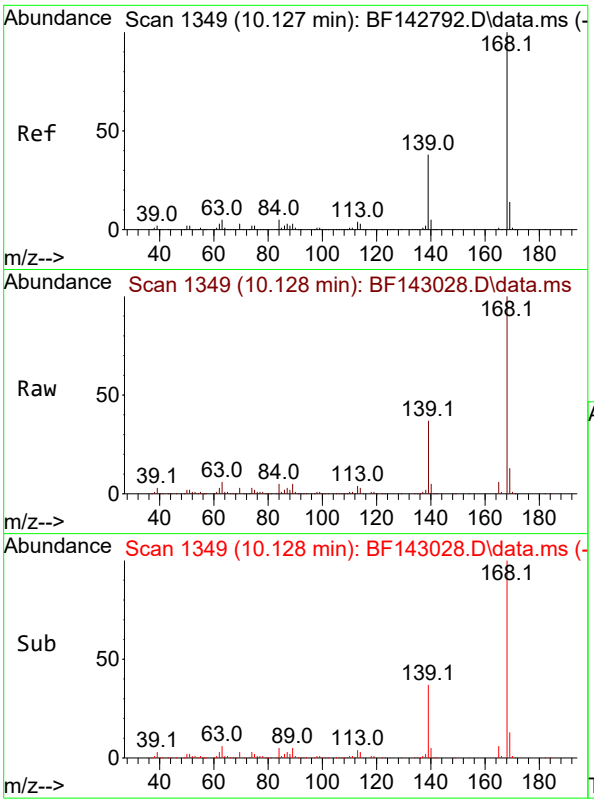


#54
2,4-Dinitrophenol
Concen: 91.438 ng
RT: 9.992 min Scan# 1326
Delta R.T. 0.012 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:184 Resp: 77305

Ion	Ratio	Lower	Upper
184	100		
63	58.5	50.6	75.8
154	62.8	51.8	77.8



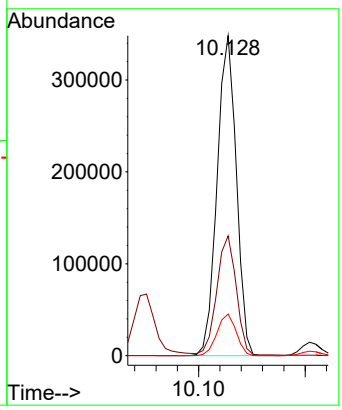


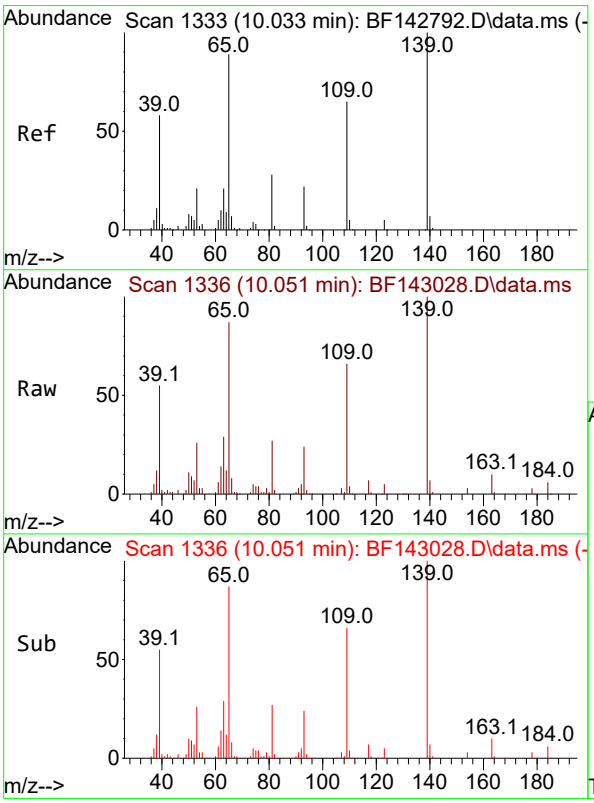
#55
Dibenzofuran
Concen: 42.893 ng
RT: 10.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:168 Resp: 434973

Ion	Ratio	Lower	Upper
168	100		
139	37.4	30.2	45.4
169	13.0	10.8	16.2

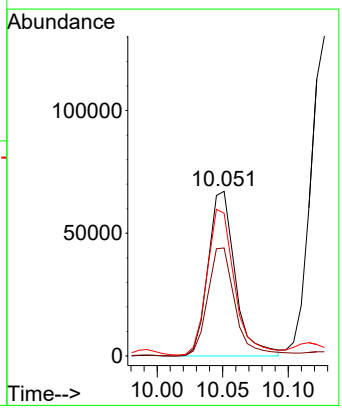


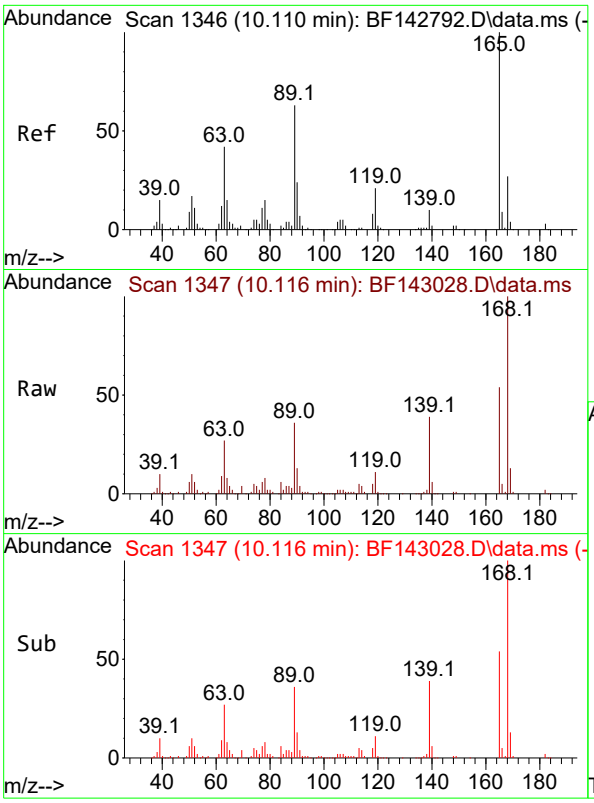


#56
4-Nitrophenol
Concen: 75.840 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.018 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:139 Resp: 96519

Ion	Ratio	Lower	Upper
139	100		
109	65.6	44.7	84.7
65	86.7	69.8	109.8



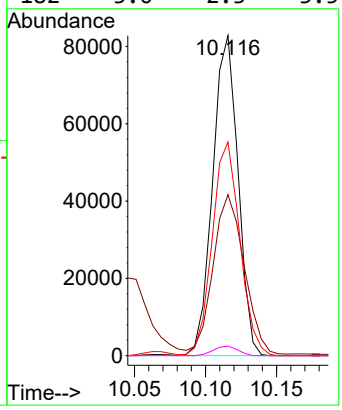


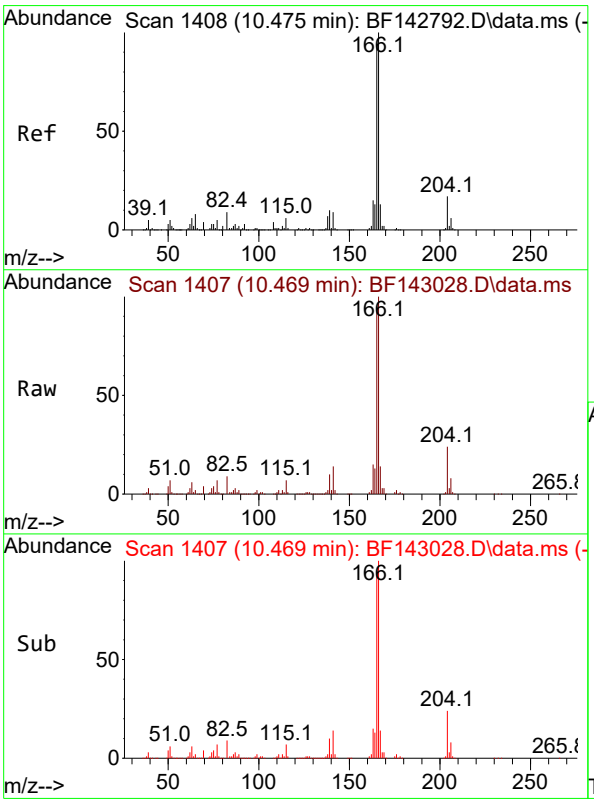
#57
2,4-Dinitrotoluene
Concen: 45.762 ng
RT: 10.116 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:165 Resp: 102633

Ion	Ratio	Lower	Upper
165	100		
63	50.3	33.9	50.9
89	66.7	50.6	75.8
182	3.0	2.3	3.5

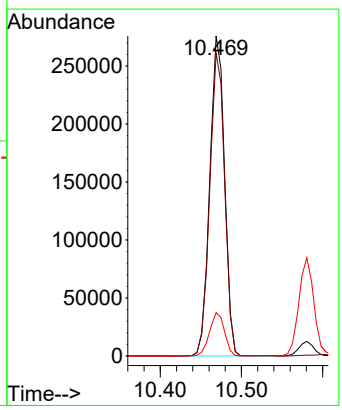


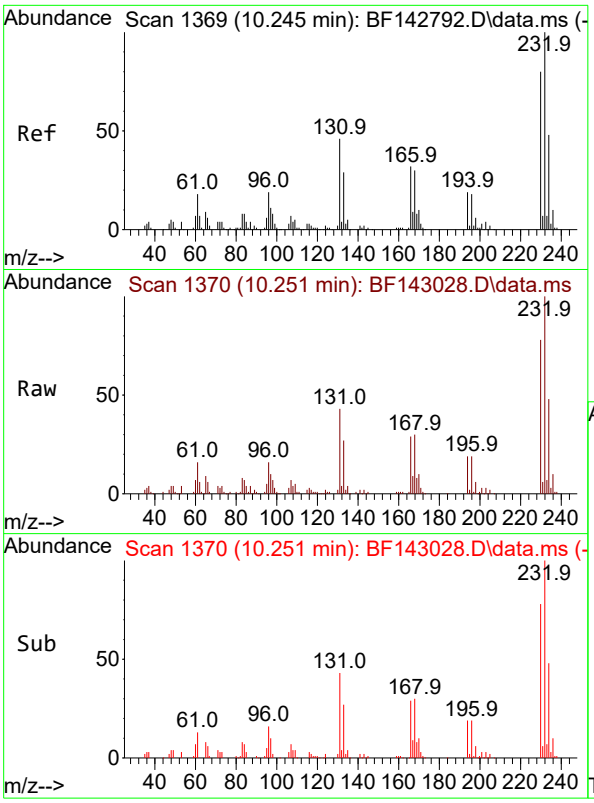


#58
Fluorene
Concen: 44.062 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:166 Resp: 348969

Ion	Ratio	Lower	Upper
166	100		
165	94.6	75.2	112.8
167	13.5	10.6	15.8



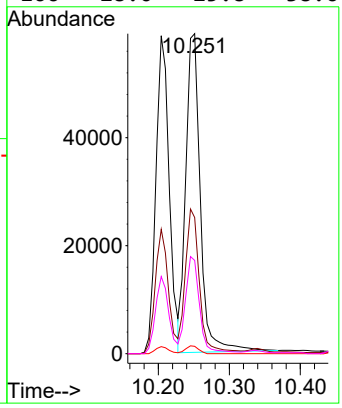


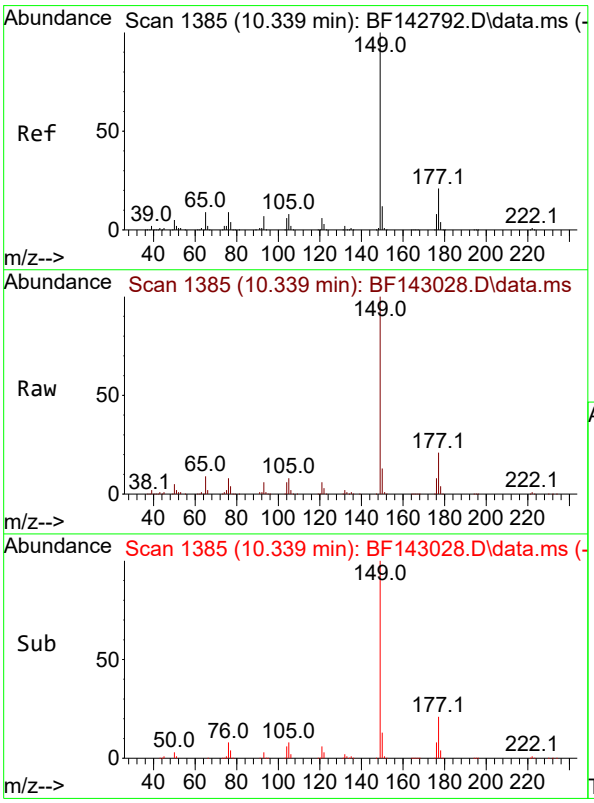
#59
2,3,4,6-Tetrachlorophenol
Concen: 43.258 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:232 Resp: 83826

Ion	Ratio	Lower	Upper
232	100		
131	43.2	37.6	56.4
130	2.2	1.7	2.5
166	28.0	25.8	38.6

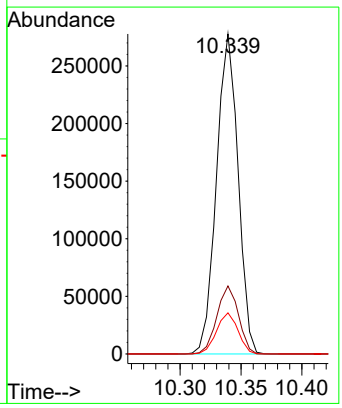


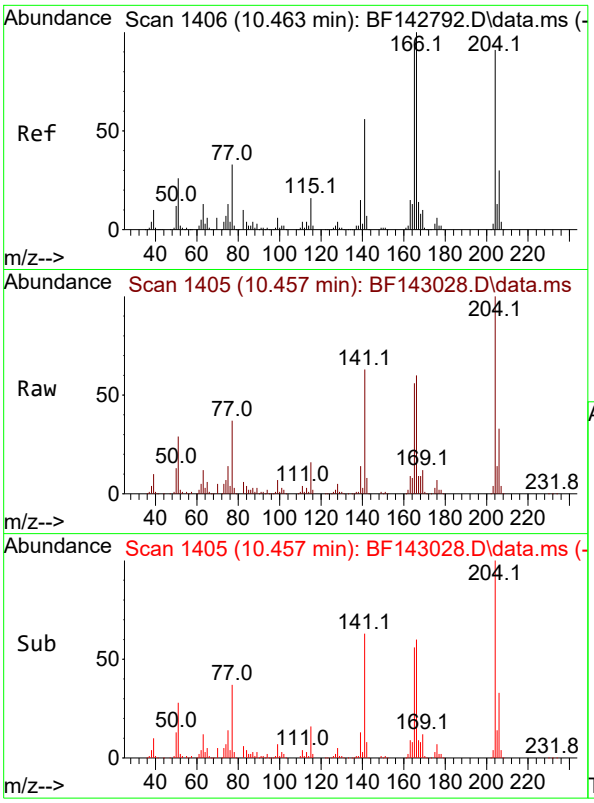


#60
Diethylphthalate
Concen: 45.468 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:149 Resp: 342754

Ion	Ratio	Lower	Upper
149	100		
177	21.2	17.0	25.6
150	12.8	9.8	14.6



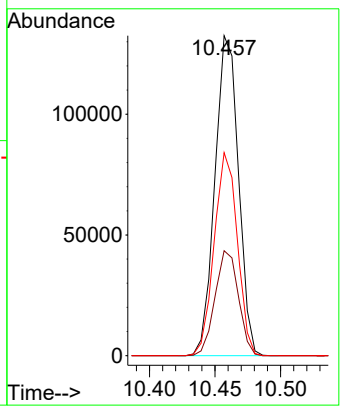


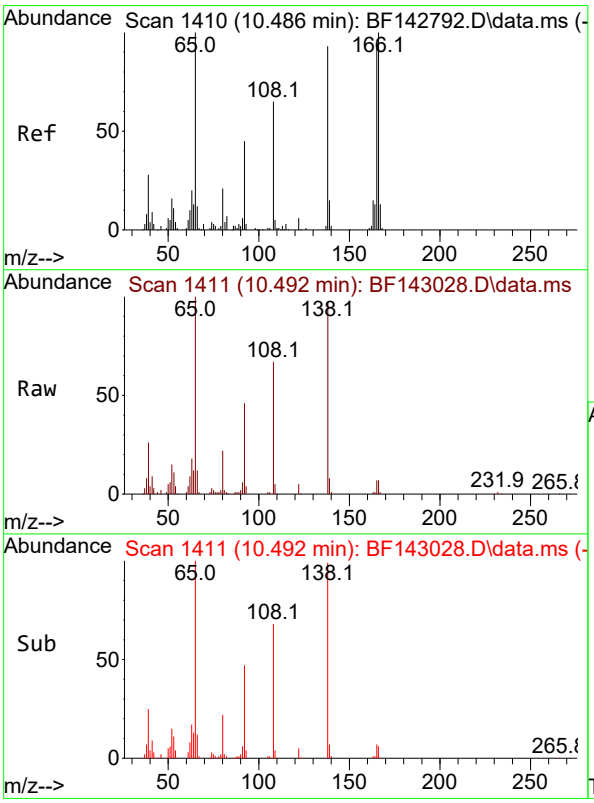
#61
4-Chlorophenyl-phenylether
Concen: 43.705 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:204 Resp: 165173

Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.3	39.5
141	63.5	49.1	73.7

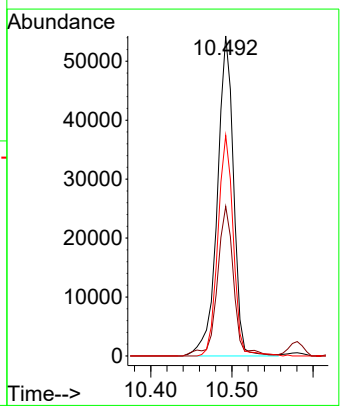


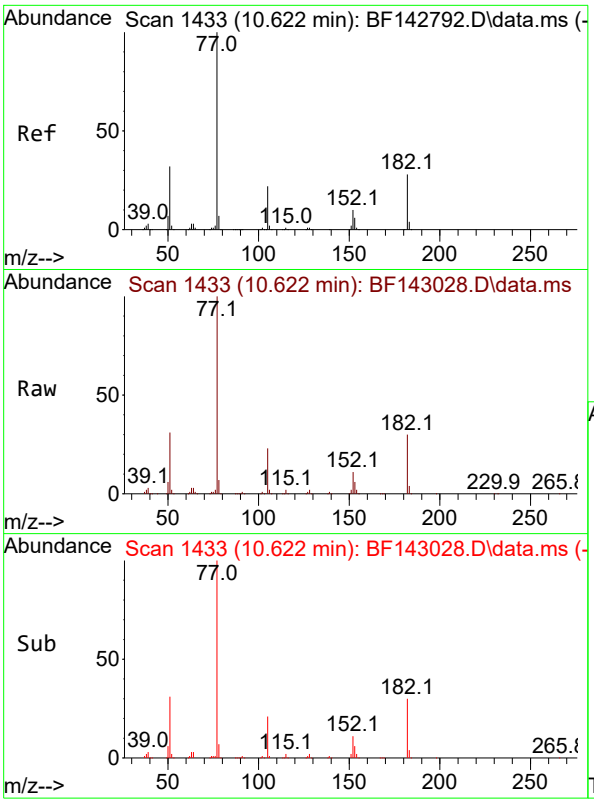


#62
4-Nitroaniline
Concen: 44.528 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:138 Resp: 75705

Ion	Ratio	Lower	Upper
138	100		
92	46.8	28.4	68.4
108	68.9	50.2	90.2



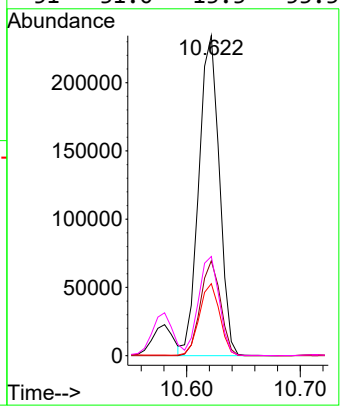


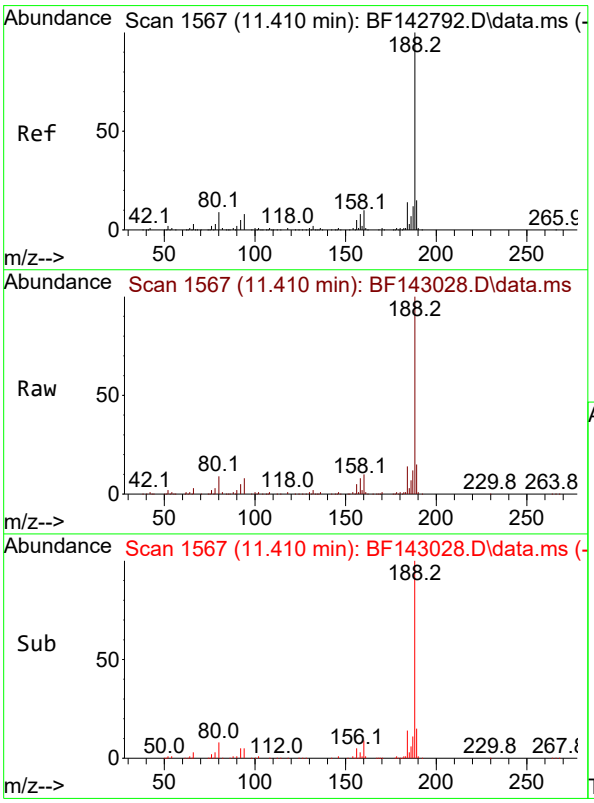
#63
Azobenzene
Concen: 43.529 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion: 77 Resp: 293275

Ion	Ratio	Lower	Upper
77	100		
182	29.7	7.7	47.7
105	22.5	1.9	41.9
51	31.0	13.3	53.3

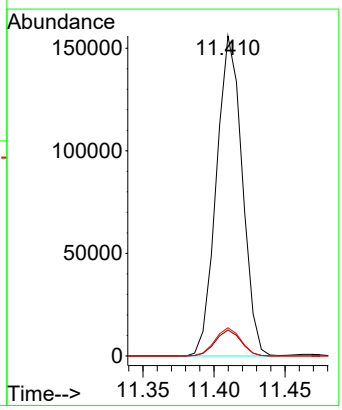


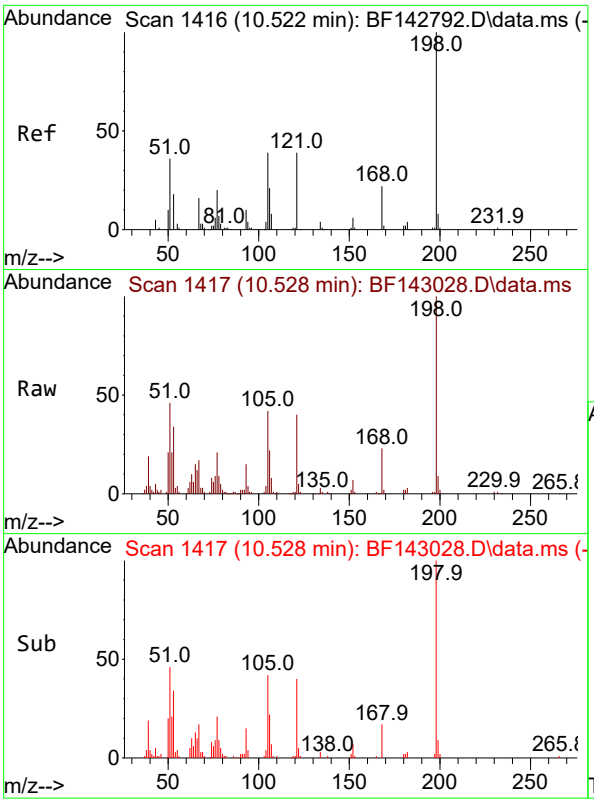


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:188 Resp: 197115

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.7	10.1
80	8.8	6.9	10.3



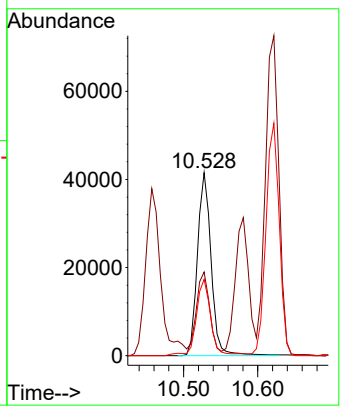


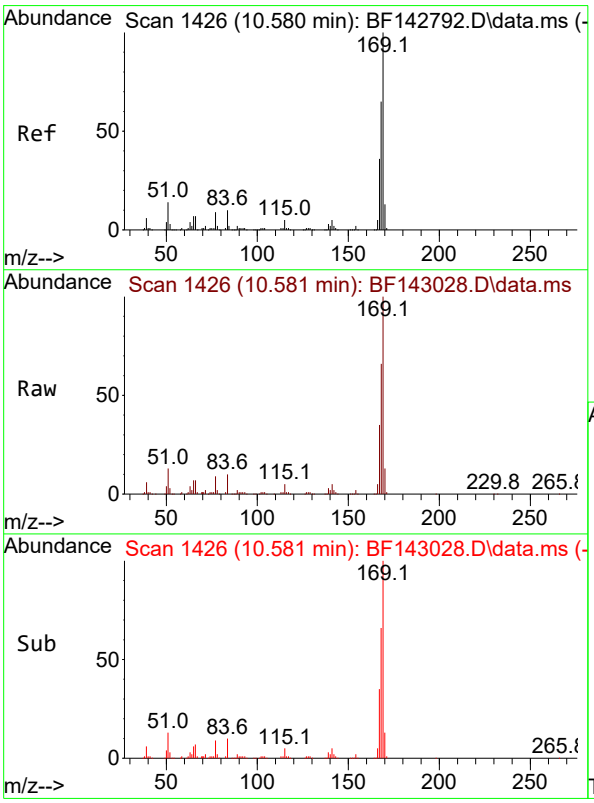
#65
4,6-Dinitro-2-methylphenol
Concen: 44.800 ng
RT: 10.528 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:198 Resp: 53414

Ion	Ratio	Lower	Upper
198	100		
51	45.8	25.4	65.4
105	41.7	20.4	60.4

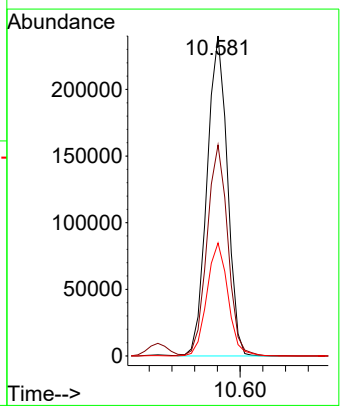


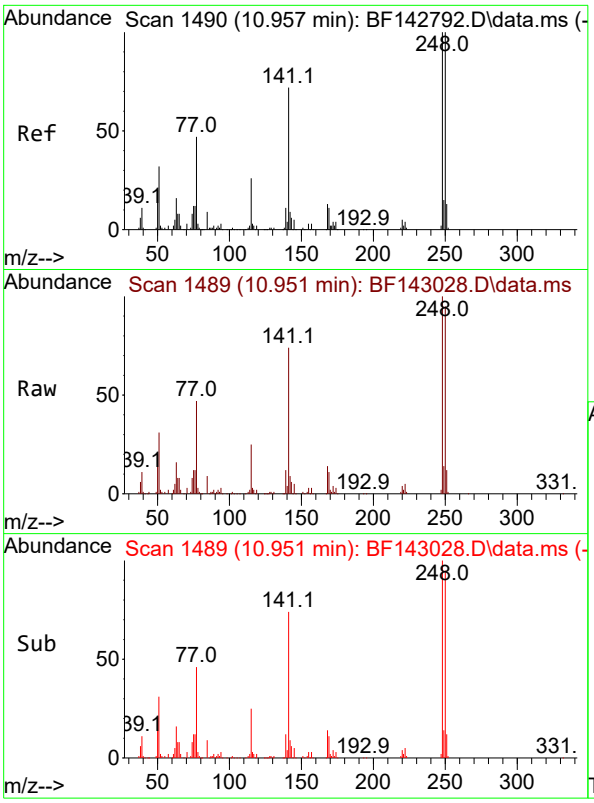


#66
n-Nitrosodiphenylamine
Concen: 43.662 ng
RT: 10.581 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:169 Resp: 298278

Ion	Ratio	Lower	Upper
169	100		
168	65.9	51.9	77.9
167	35.3	28.5	42.7



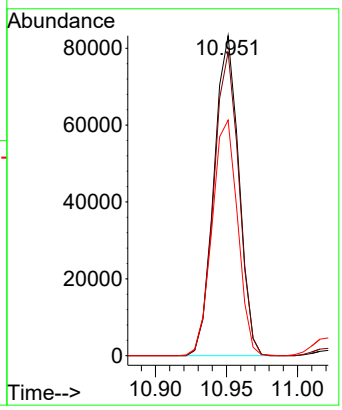


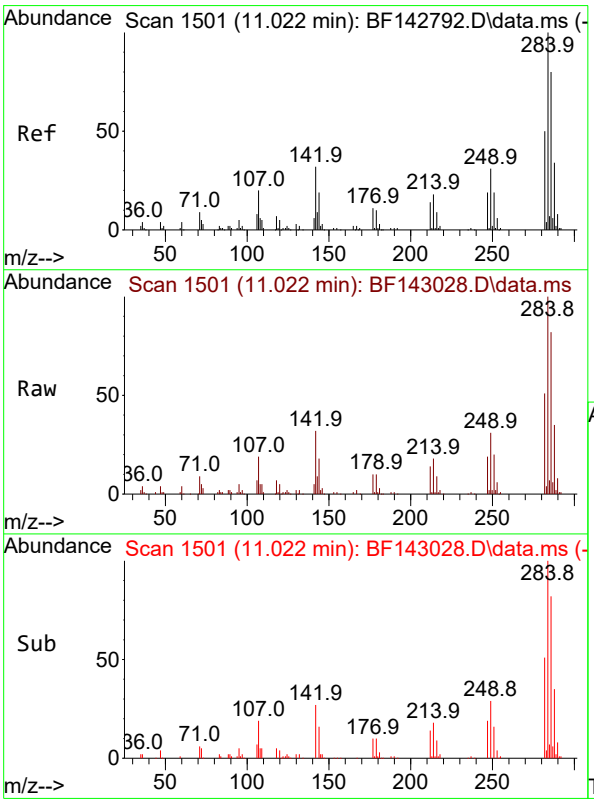
#67
4-Bromophenyl-phenylether
Concen: 45.153 ng
RT: 10.951 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:248 Resp: 101294

Ion	Ratio	Lower	Upper
248	100		
250	94.9	79.8	119.8
141	73.6	57.8	86.6

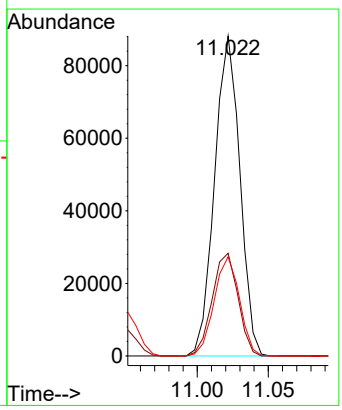


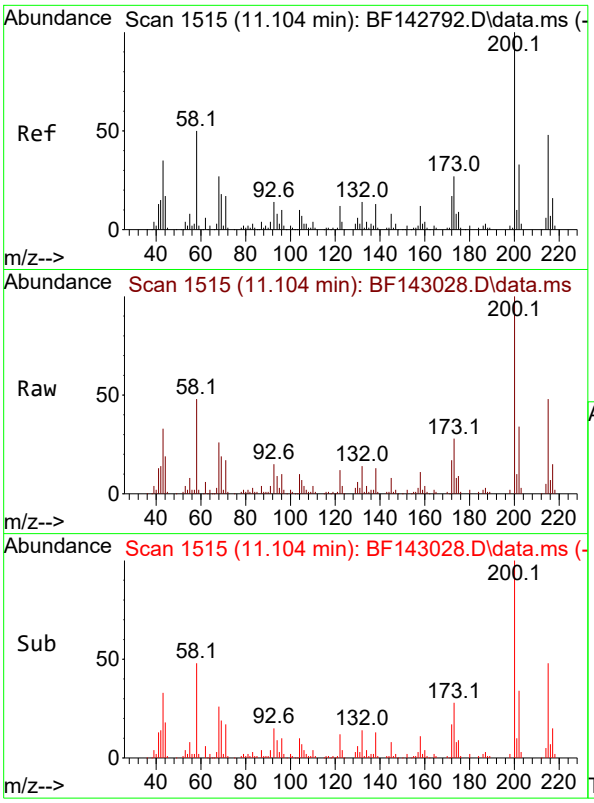


#68
Hexachlorobenzene
Concen: 43.756 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:284 Resp: 109072

Ion	Ratio	Lower	Upper
284	100		
142	32.1	25.5	38.3
249	31.0	24.9	37.3



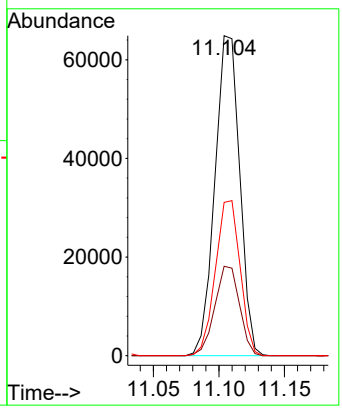


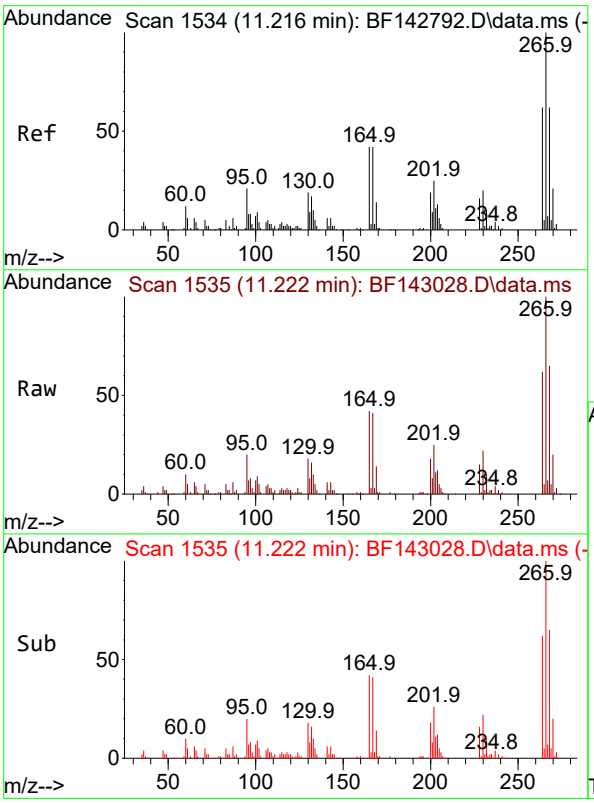
#69
Atrazine
Concen: 48.410 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:200 Resp: 85401

Ion	Ratio	Lower	Upper
200	100		
173	28.0	7.4	47.4
215	47.9	28.4	68.4

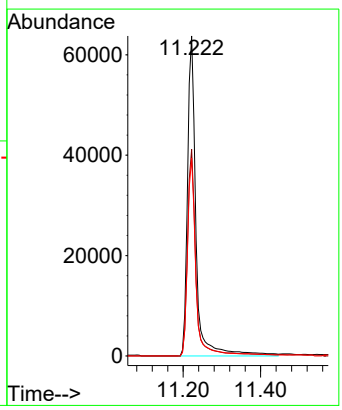


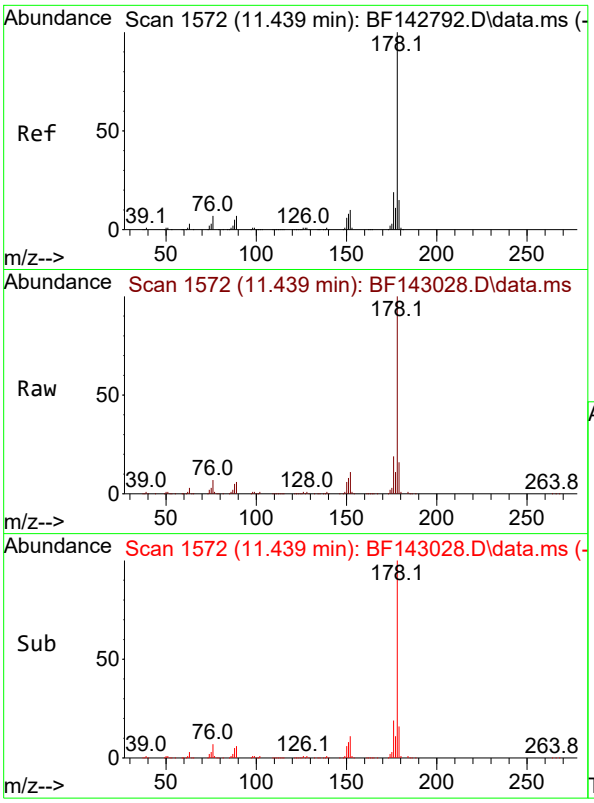


#70
Pentachlorophenol
Concen: 78.391 ng
RT: 11.222 min Scan# 1535
Delta R.T. 0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:266 Resp: 97372

Ion	Ratio	Lower	Upper
266	100		
268	64.6	49.8	74.8
264	61.8	49.9	74.9



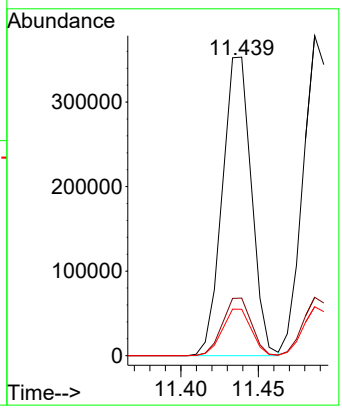


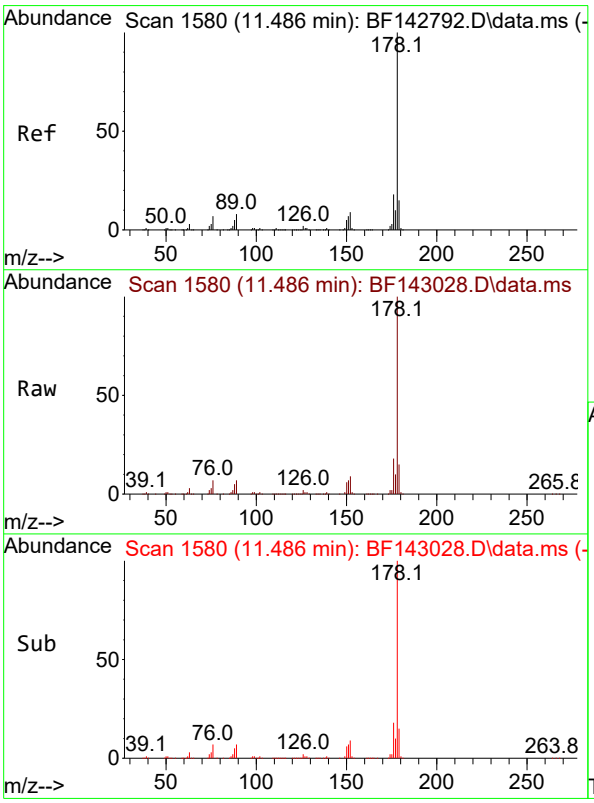
#71
Phenanthrene
Concen: 43.239 ng
RT: 11.439 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:178 Resp: 461695

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	15.6	12.0	18.0

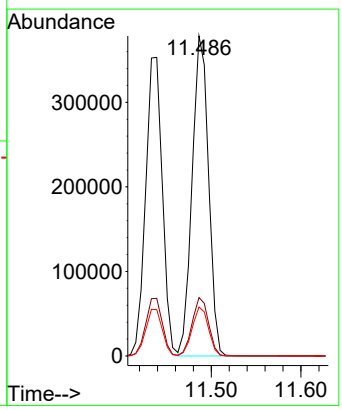


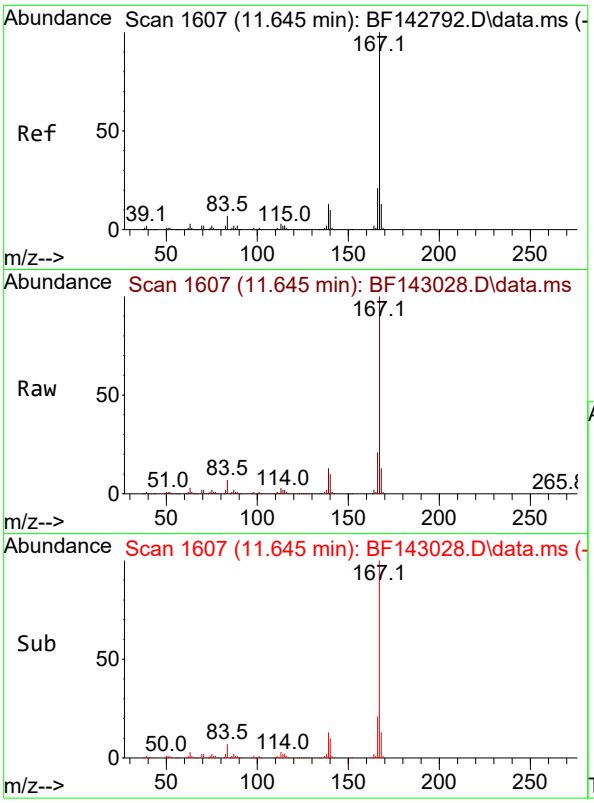


#72
Anthracene
Concen: 43.864 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:178 Resp: 480353

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	15.3	12.4	18.6



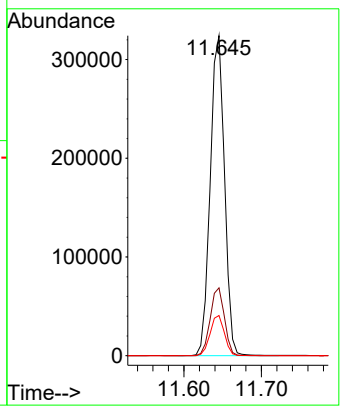


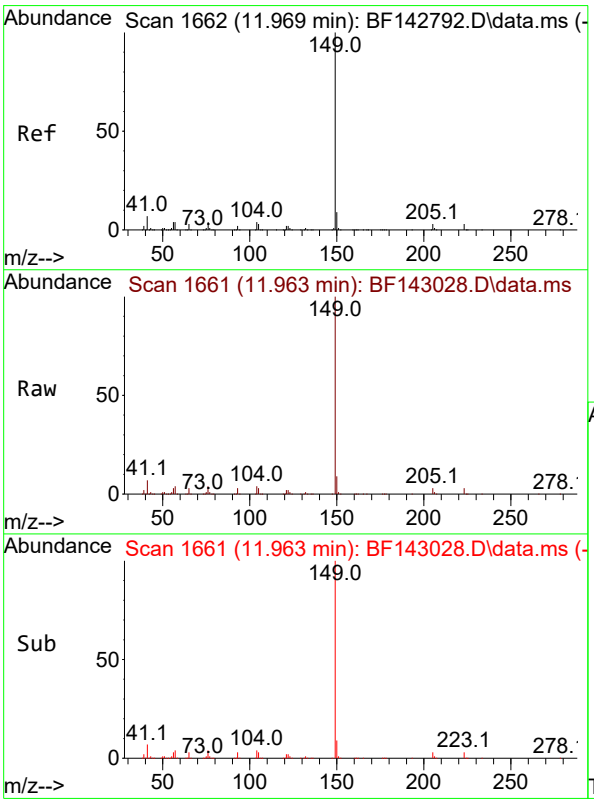
#73
Carbazole
Concen: 43.955 ng
RT: 11.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:167 Resp: 415390

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.4
139	12.6	10.2	15.2

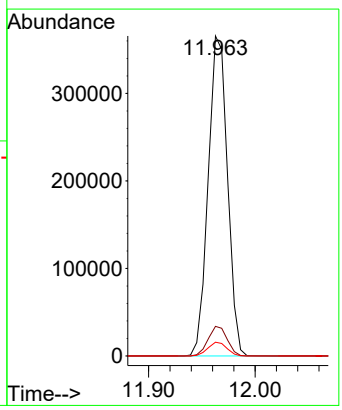


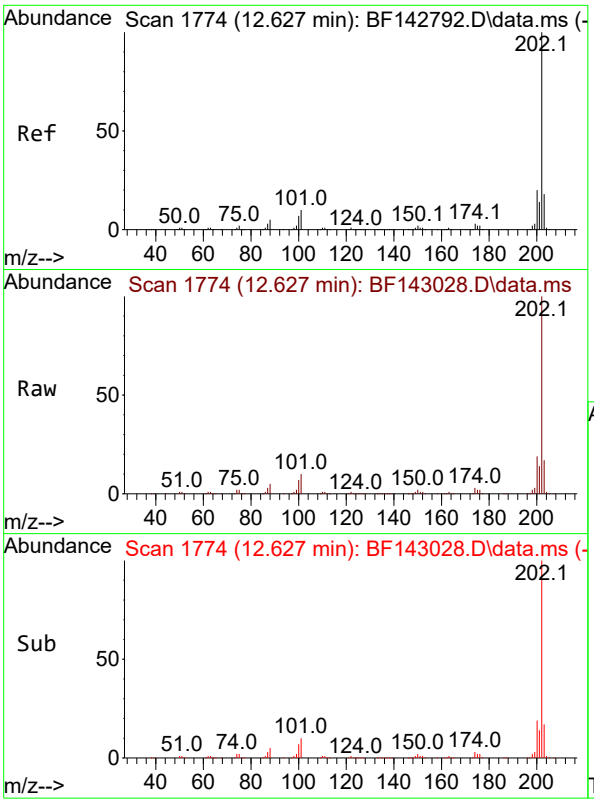


#74
Di-n-butylphthalate
Concen: 46.789 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:149 Resp: 460630

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	4.3	3.5	5.3



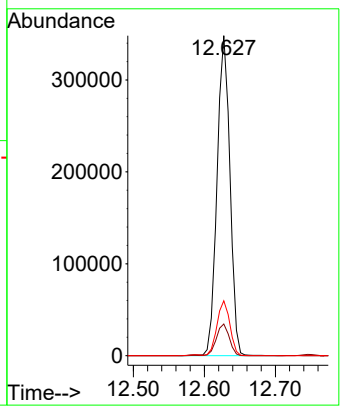


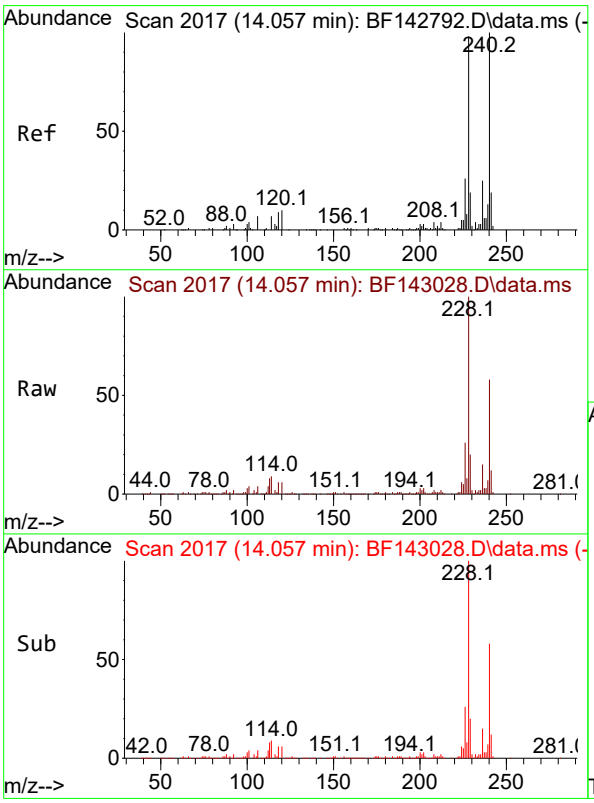
#75
Fluoranthene
Concen: 43.071 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:202 Resp: 436467

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	29.7
203	17.2	0.0	37.5

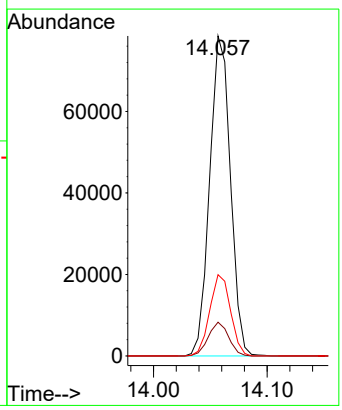


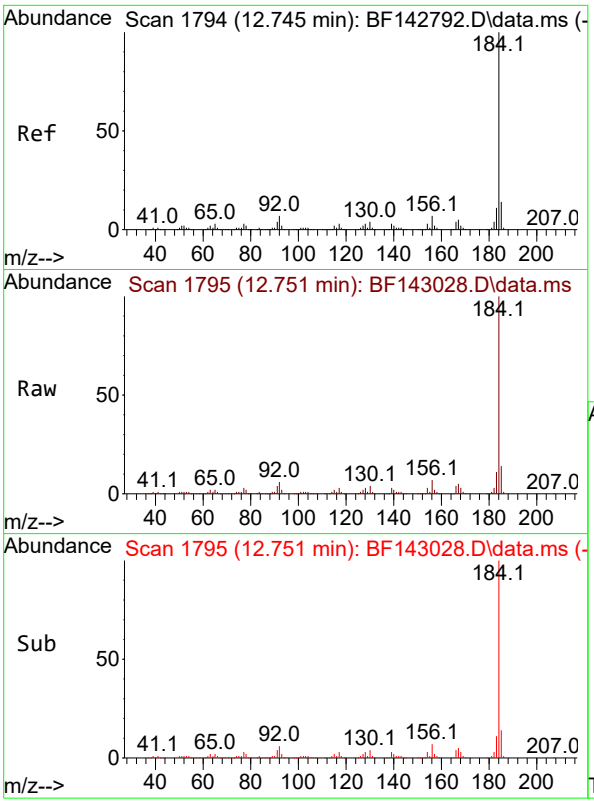


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:240 Resp: 99617

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.2	12.2
236	25.4	19.8	29.8



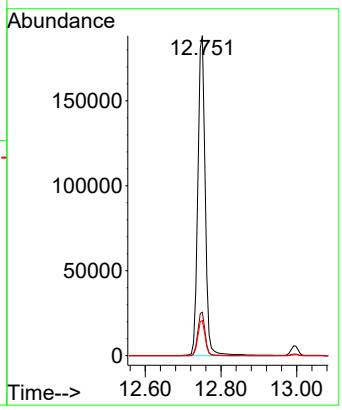


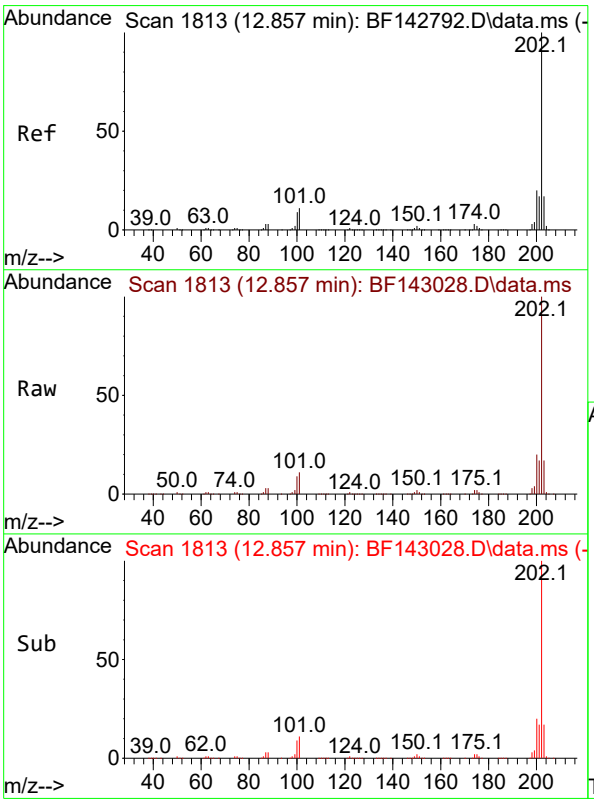
#77
Benzidine
Concen: 68.815 ng
RT: 12.751 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:184 Resp: 257555

Ion	Ratio	Lower	Upper
184	100		
185	13.6	11.5	17.3
183	11.0	9.0	13.4

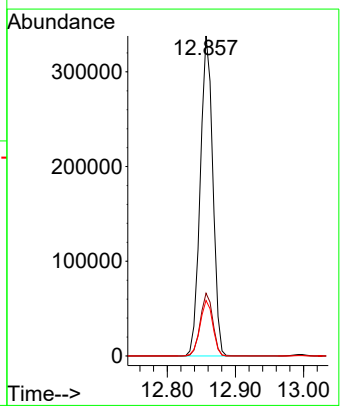


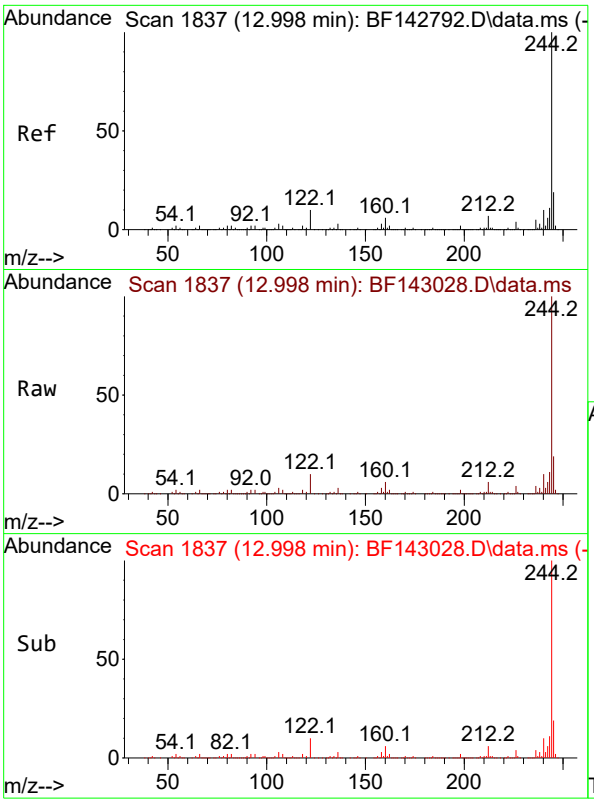


#78
Pyrene
Concen: 46.294 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:202 Resp: 432273

Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.7	23.5
203	17.4	13.8	20.6



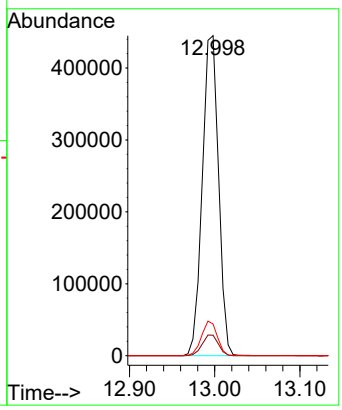


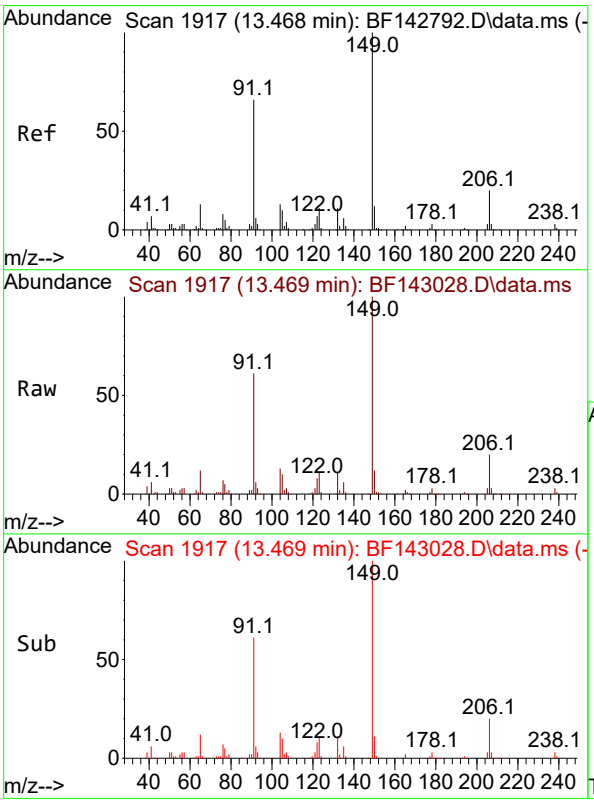
#79
Terphenyl-d14
Concen: 81.644 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:244 Resp: 588629

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	9.9	8.2	12.2

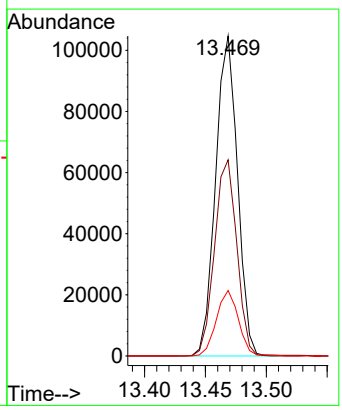


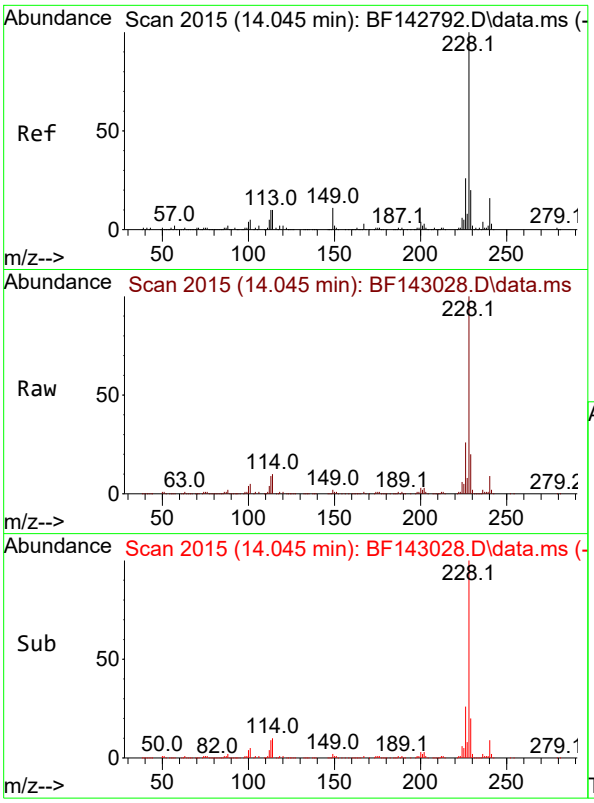


#80
Butylbenzylphthalate
Concen: 48.438 ng
RT: 13.469 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:149 Resp: 131197

Ion	Ratio	Lower	Upper
149	100		
91	61.3	52.9	79.3
206	20.4	16.3	24.5



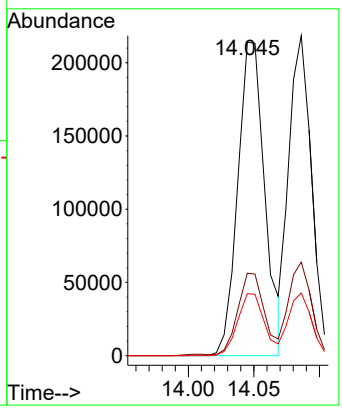


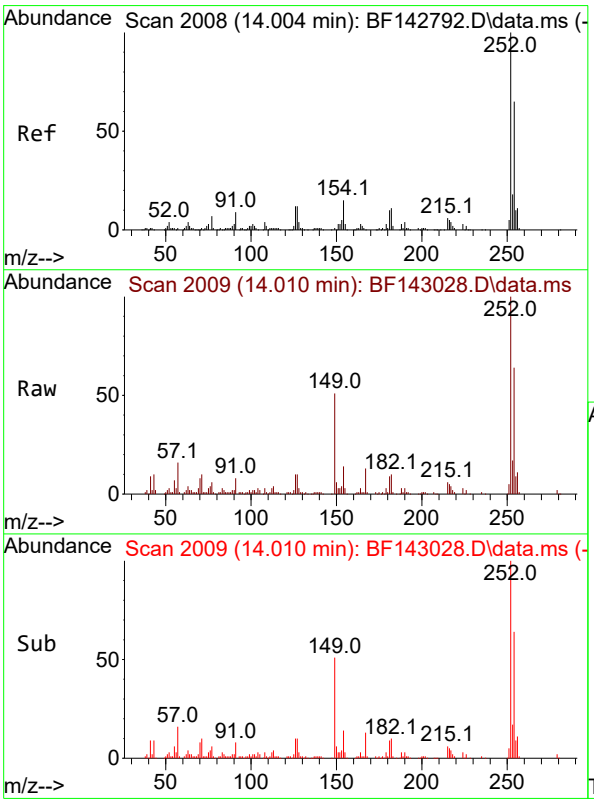
#81
Benzo(a)anthracene
Concen: 45.646 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:228 Resp: 306755

Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.2	31.8
229	19.8	15.6	23.4

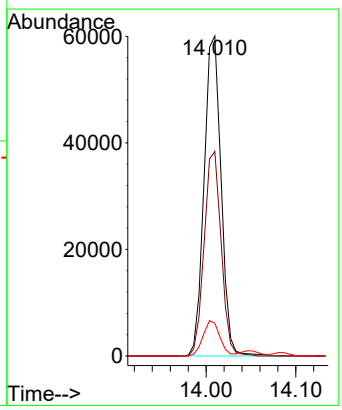


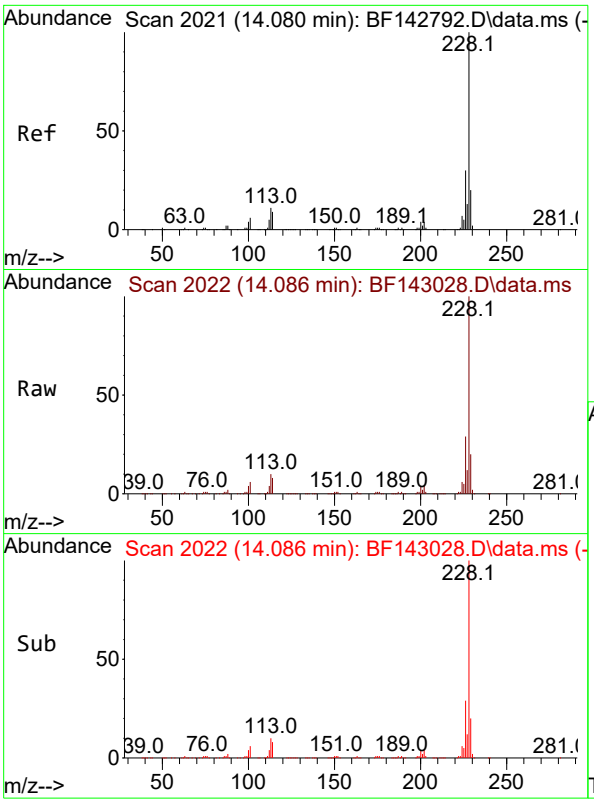


#82
3,3'-Dichlorobenzidine
Concen: 36.252 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:252 Resp: 79021

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.7	77.5
126	10.2	9.4	14.2



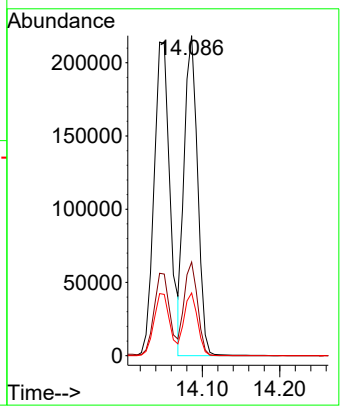


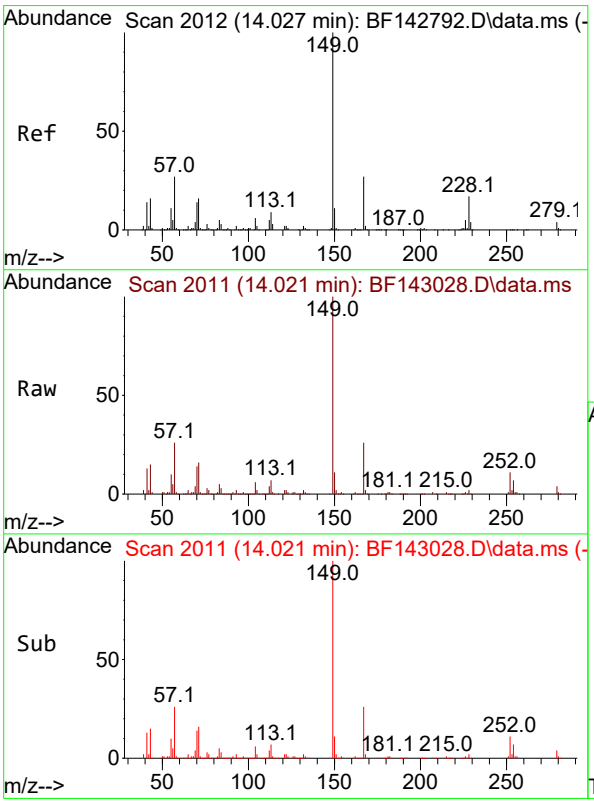
#83
Chrysene
Concen: 43.953 ng
RT: 14.086 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:228 Resp: 263566

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.7	35.5
229	19.6	15.7	23.5

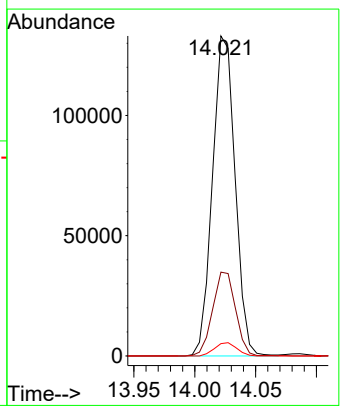


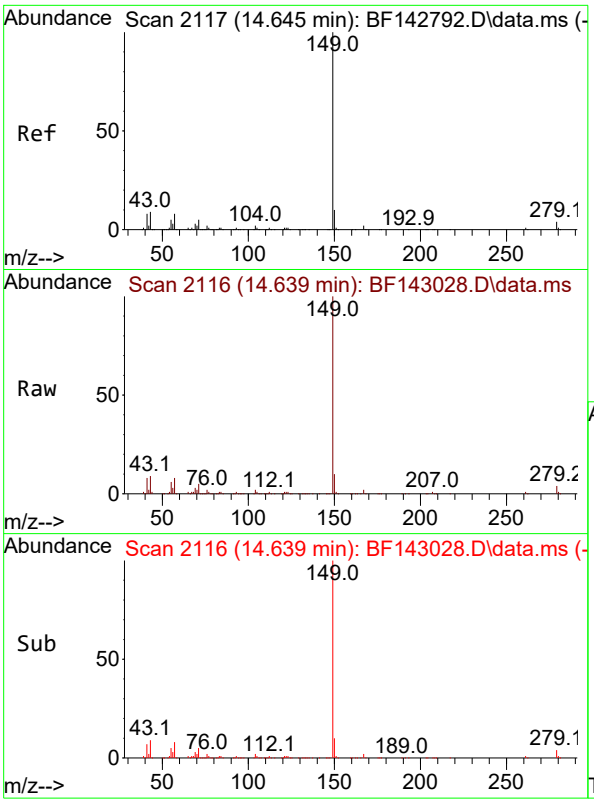


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.196 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:149 Resp: 172233

Ion	Ratio	Lower	Upper
149	100		
167	26.2	21.4	32.0
279	3.9	3.0	4.6



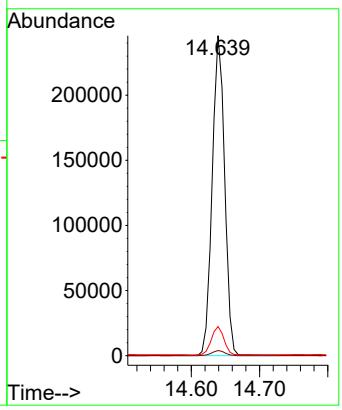


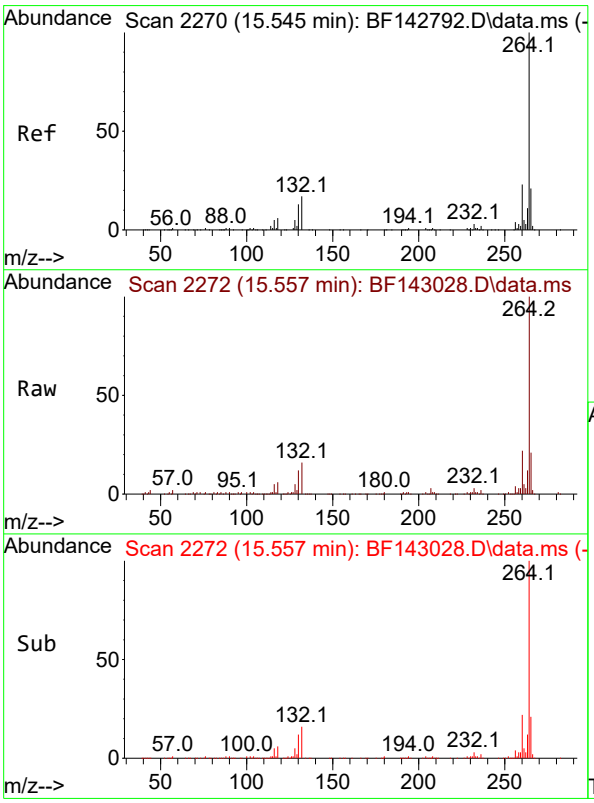
#85
Di-n-octyl phthalate
Concen: 42.469 ng
RT: 14.639 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:149 Resp: 312074

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	8.8	7.6	11.4

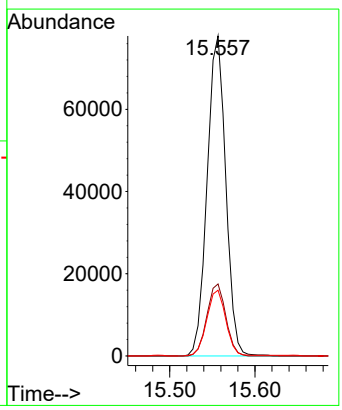


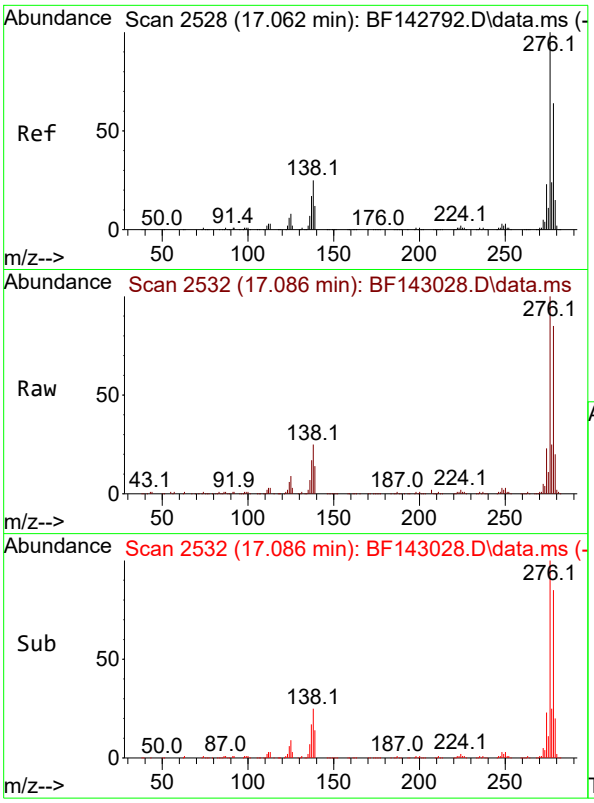


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. 0.012 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:264 Resp: 118358

Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.1	27.1
265	20.6	16.6	25.0



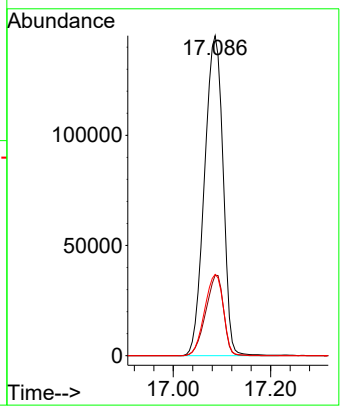


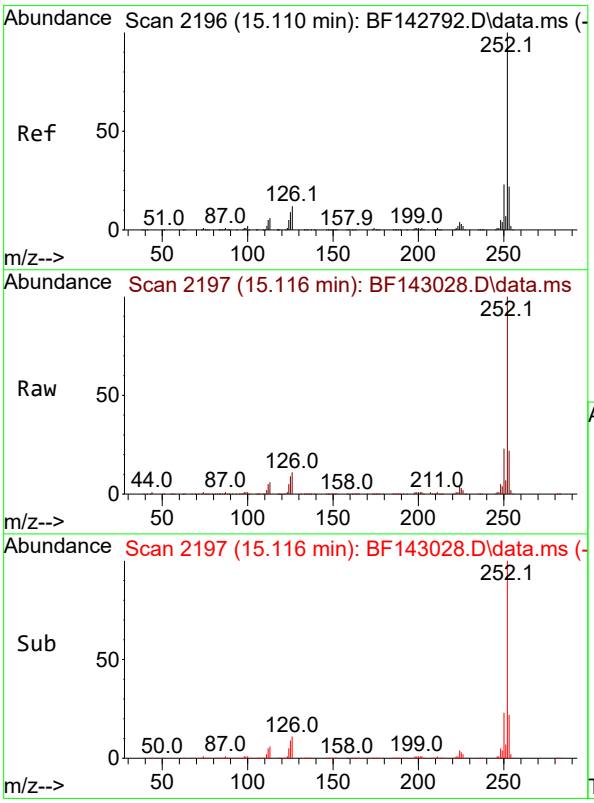
#87
Indeno(1,2,3-cd)pyrene
Concen: 42.516 ng
RT: 17.086 min Scan# 2
Delta R.T. 0.024 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:276 Resp: 383294

Ion	Ratio	Lower	Upper
276	100		
138	24.3	20.2	30.4
277	25.6	19.8	29.6

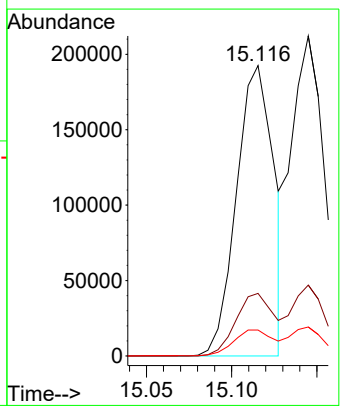


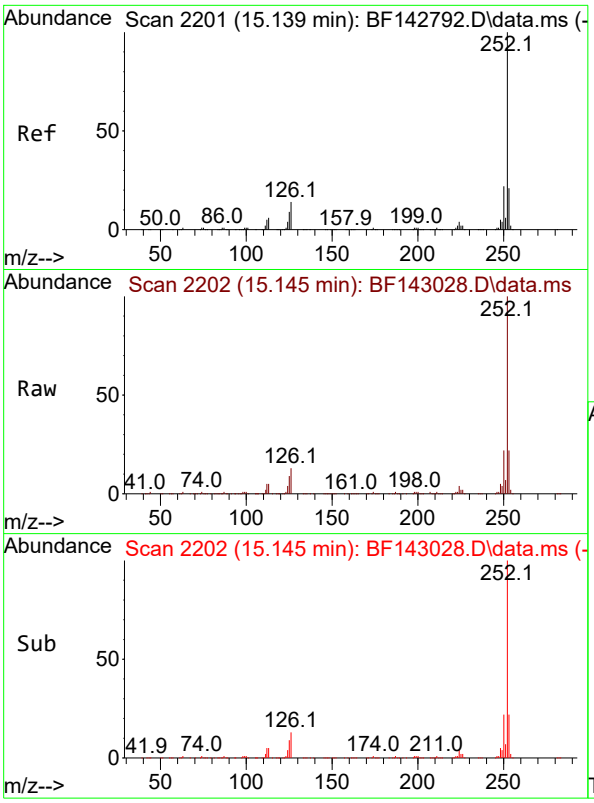


#88
Benzo(b)fluoranthene
Concen: 42.756 ng
RT: 15.116 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:252 Resp: 292823

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	8.9	7.4	11.0



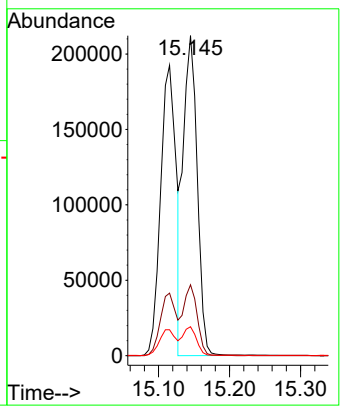


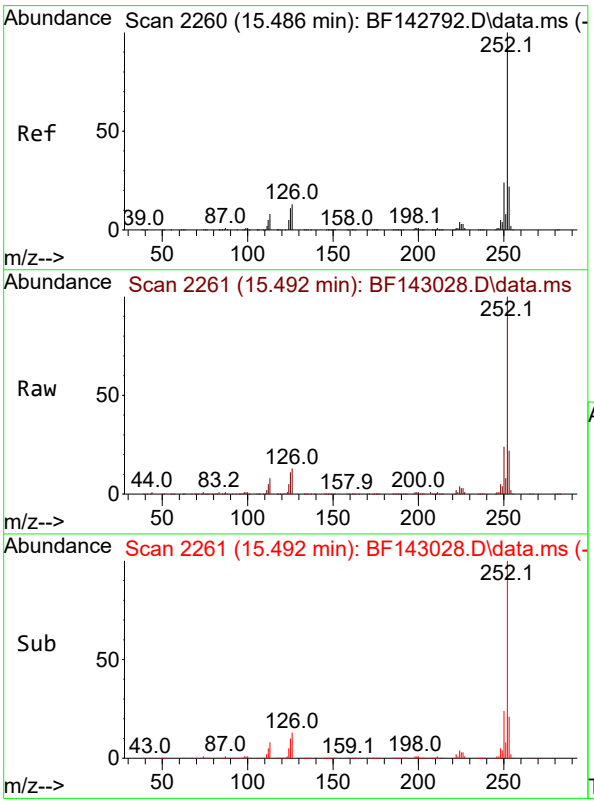
#89
Benzo(k)fluoranthene
Concen: 44.932 ng
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:252 Resp: 287902

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	9.0	7.4	11.2

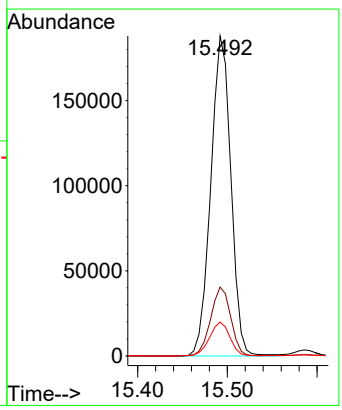


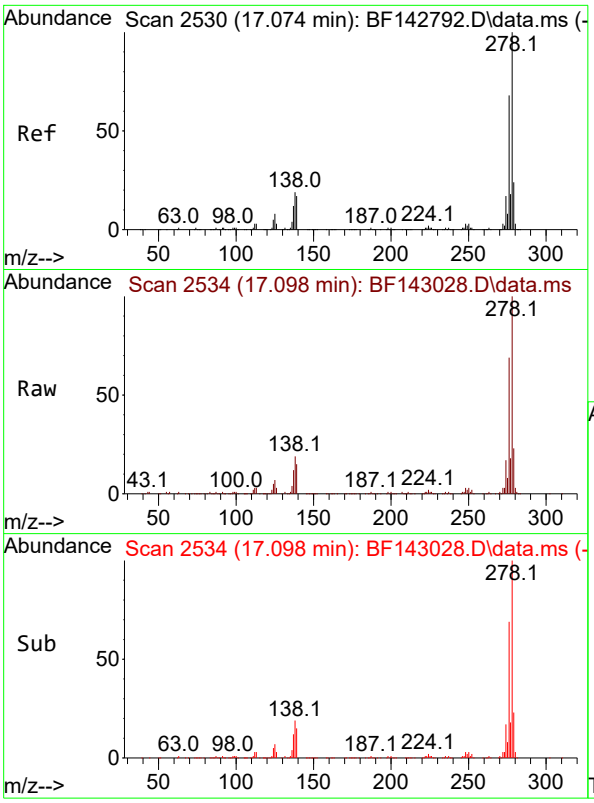


#90
Benzo(a)pyrene
Concen: 44.183 ng
RT: 15.492 min Scan# 2261
Delta R.T. 0.006 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:252 Resp: 292328

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	10.6	8.6	12.8



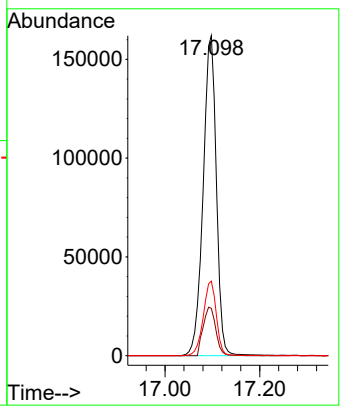


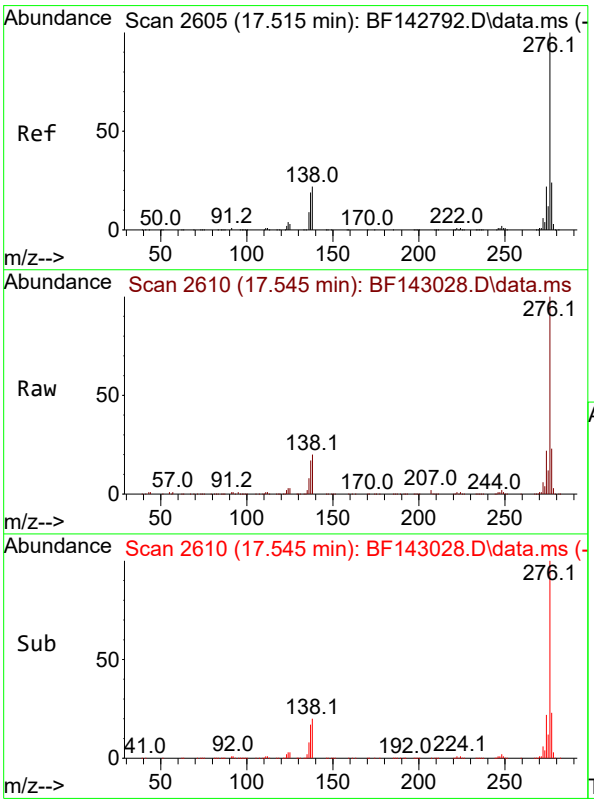
#91
Dibenzo(a,h)anthracene
Concen: 42.892 ng
RT: 17.098 min Scan# 2
Delta R.T. 0.024 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB168716BSD

Tgt Ion:278 Resp: 314182

Ion	Ratio	Lower	Upper
278	100		
139	14.8	13.5	20.3
279	23.3	18.8	28.2

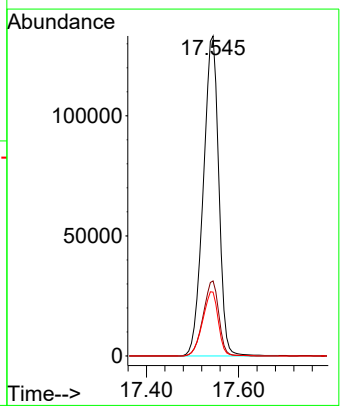




#92
Benzo(g,h,i)perylene
Concen: 42.781 ng
RT: 17.545 min Scan# 2610
Delta R.T. 0.030 min
Lab File: BF143028.D
Acq: 08 Jul 2025 12:25

Tgt Ion:276 Resp: 312480

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.8	28.2
138	20.0	17.6	26.4



Raw Data: **BF142970.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-67MS	SDG No.:	Q2458
Lab Sample ID:	Q2458-04MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.7
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
BF142970.D	1	07/01/25 09:30	07/02/25 14:47	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1100		170	370	ug/Kg
108-95-2	Phenol	1700		24.6	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		27.0	190	ug/Kg
95-57-8	2-Chlorophenol	1700		27.1	190	ug/Kg
95-48-7	2-Methylphenol	1700		33.2	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		41.7	190	ug/Kg
98-86-2	Acetophenone	1800		32.8	190	ug/Kg
65794-96-9	3+4-Methylphenols	1800		45.7	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		52.7	88.9	ug/Kg
67-72-1	Hexachloroethane	1700		19.6	190	ug/Kg
98-95-3	Nitrobenzene	1700		20.3	190	ug/Kg
78-59-1	Isophorone	1700		36.5	190	ug/Kg
88-75-5	2-Nitrophenol	1800		64.7	190	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		72.0	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		34.2	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		31.5	190	ug/Kg
91-20-3	Naphthalene	1700		25.2	190	ug/Kg
106-47-8	4-Chloroaniline	670		39.4	190	ug/Kg
87-68-3	Hexachlorobutadiene	1800		28.1	190	ug/Kg
105-60-2	Caprolactam	2000		57.9	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		31.9	190	ug/Kg
91-57-6	2-Methylnaphthalene	1700		28.5	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3300	E	130	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		22.0	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		32.4	190	ug/Kg
92-52-4	1,1-Biphenyl	1700		24.2	190	ug/Kg
91-58-7	2-Chloronaphthalene	1700		25.0	190	ug/Kg
88-74-4	2-Nitroaniline	1800		53.5	190	ug/Kg
131-11-3	Dimethylphthalate	1800		30.1	190	ug/Kg

Raw Data: **BF142970.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-67MS	SDG No.:	Q2458
Lab Sample ID:	Q2458-04MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.7
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
BF142970.D	1	07/01/25 09:30	07/02/25 14:47	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1700		32.1	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	1900		37.4	190	ug/Kg
99-09-2	3-Nitroaniline	1000		51.1	190	ug/Kg
83-32-9	Acenaphthene	1900		23.7	190	ug/Kg
51-28-5	2,4-Dinitrophenol	3700	E	250	370	ug/Kg
100-02-7	4-Nitrophenol	3700	E	120	370	ug/Kg
132-64-9	Dibenzofuran	1800		25.2	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		55.7	190	ug/Kg
84-66-2	Diethylphthalate	1900		31.5	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		29.7	190	ug/Kg
86-73-7	Fluorene	1800		28.1	190	ug/Kg
100-01-6	4-Nitroaniline	1900		71.4	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800		110	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		36.6	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		30.9	190	ug/Kg
118-74-1	Hexachlorobenzene	1800		28.1	190	ug/Kg
1912-24-9	Atrazine	2100		37.8	190	ug/Kg
87-86-5	Pentachlorophenol	3400	E	57.0	370	ug/Kg
85-01-8	Phenanthrene	1800		23.2	190	ug/Kg
120-12-7	Anthracene	1800		37.0	190	ug/Kg
86-74-8	Carbazole	1800		34.7	190	ug/Kg
84-74-2	Di-n-butylphthalate	2100		53.3	190	ug/Kg
206-44-0	Fluoranthene	1800		33.4	190	ug/Kg
129-00-0	Pyrene	1700		40.0	190	ug/Kg
85-68-7	Butylbenzylphthalate	2100		79.4	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	620		40.8	370	ug/Kg
56-55-3	Benzo(a)anthracene	1800		25.6	190	ug/Kg
218-01-9	Chrysene	1800		22.1	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1900		65.8	190	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		96.5	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		21.1	190	ug/Kg

Raw Data: **BF142970.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-67MS	SDG No.:	Q2458
Lab Sample ID:	Q2458-04MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.7
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
BF142970.D	1	07/01/25 09:30	07/02/25 14:47	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1900		24.9	190	ug/Kg
50-32-8	Benzo(a)pyrene	1800		32.8	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		32.4	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		30.5	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		28.6	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		28.5	190	ug/Kg
123-91-1	1,4-Dioxane	1400		50.3	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		30.5	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	79.4		18 - 112	53%	SPK: 150
13127-88-3	Phenol-d6	81.1		15 - 107	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	50.8		18 - 107	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.1		20 - 109	51%	SPK: 100
118-79-6	2,4,6-Tribromophenol	89.2		10 - 116	59%	SPK: 150
1718-51-0	Terphenyl-d14	50.0		10 - 105	50%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	54300	6.875			
1146-65-2	Naphthalene-d8	204000	8.157			
15067-26-2	Acenaphthene-d10	108000	9.916			
1517-22-2	Phenanthrene-d10	181000	11.404			
1719-03-5	Chrysene-d12	104000	14.051			
1520-96-3	Perylene-d12	111000	15.545			

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\BF070225\
Data File : BF142970.D
Acq On : 02 Jul 2025 14:47
Operator : RC/JU
Sample : Q2458-04MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Quant Time: Jul 02 15:18:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	54262	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	204360	20.000	ng		-0.01
39) Acenaphthene-d10	9.916	164	107674	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	180519	20.000	ng		0.00
76) Chrysene-d12	14.051	240	104217	20.000	ng		0.00
86) Perylene-d12	15.545	264	110887	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	258644	79.360	ng		0.00
7) Phenol-d6	6.504	99	311719	81.068	ng		0.00
23) Nitrobenzene-d5	7.440	82	189163	50.772	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	98863	89.223	ng		0.00
45) 2-Fluorobiphenyl	9.234	172	418632	51.075	ng		-0.01
79) Terphenyl-d14	12.992	244	377340	50.027	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.646	88	50058	38.401	ng		99
3) Pyridine	3.416	79	133722	40.918	ng		99
4) n-Nitrosodimethylamine	3.369	42	74305	43.969	ng		100
6) Aniline	6.534	93	157245	30.734	ng	#	85
8) 2-Chlorophenol	6.657	128	165164	46.979	ng		97
9) Benzaldehyde	6.422	77	66411	29.112	ng		99
10) Phenol	6.522	94	195825	45.816	ng		93
11) bis(2-Chloroethyl)ether	6.604	93	142030	46.494	ng		99
12) 1,3-Dichlorobenzene	6.816	146	179443	45.638	ng		99
13) 1,4-Dichlorobenzene	6.893	146	182383	45.976	ng		99
14) 1,2-Dichlorobenzene	7.040	146	171473	45.573	ng		98
15) Benzyl Alcohol	7.016	79	133032	47.857	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.146	45	210155	42.819	ng		89
17) 2-Methylphenol	7.128	107	123352	46.299	ng		99
18) Hexachloroethane	7.387	117	64332	46.365	ng		97
19) n-Nitroso-di-n-propyla...	7.287	70	104156	46.574	ng		97
20) 3+4-Methylphenols	7.281	107	159344	47.969	ng		92
22) Acetophenone	7.281	105	214833	47.672	ng		98
24) Nitrobenzene	7.457	77	155967	46.251	ng		97
25) Isophorone	7.698	82	279477	46.761	ng		99
26) 2-Nitrophenol	7.775	139	89807	48.889	ng		99
27) 2,4-Dimethylphenol	7.810	122	152023m	47.777	ng		
28) bis(2-Chloroethoxy)met...	7.904	93	176513	46.455	ng		99
29) 2,4-Dichlorophenol	8.016	162	138978	48.171	ng		99
30) 1,2,4-Trichlorobenzene	8.098	180	146938	46.316	ng		99
31) Naphthalene	8.181	128	470666	47.052	ng		100
32) Benzoic acid	7.928	122	75024	46.260	ng		96
33) 4-Chloroaniline	8.228	127	74056	18.207	ng		99
34) Hexachlorobutadiene	8.293	225	92047	47.433	ng		99
35) Caprolactam	8.604	113	40899m	53.721	ng		
36) 4-Chloro-3-methylphenol	8.716	107	139247	48.563	ng		99
37) 2-Methylnaphthalene	8.869	142	289570	46.693	ng		100
38) 1-Methylnaphthalene	8.969	142	305524	47.591	ng		99
40) 1,2,4,5-Tetrachloroben...	9.040	216	151415	47.658	ng		98
41) Hexachlorocyclopentadiene	9.022	237	159093	88.241	ng		100
43) 2,4,6-Trichlorophenol	9.151	196	97907	47.292	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142970.D
Acq On : 02 Jul 2025 14:47
Operator : RC/JU
Sample : Q2458-04MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Quant Time: Jul 02 15:18:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

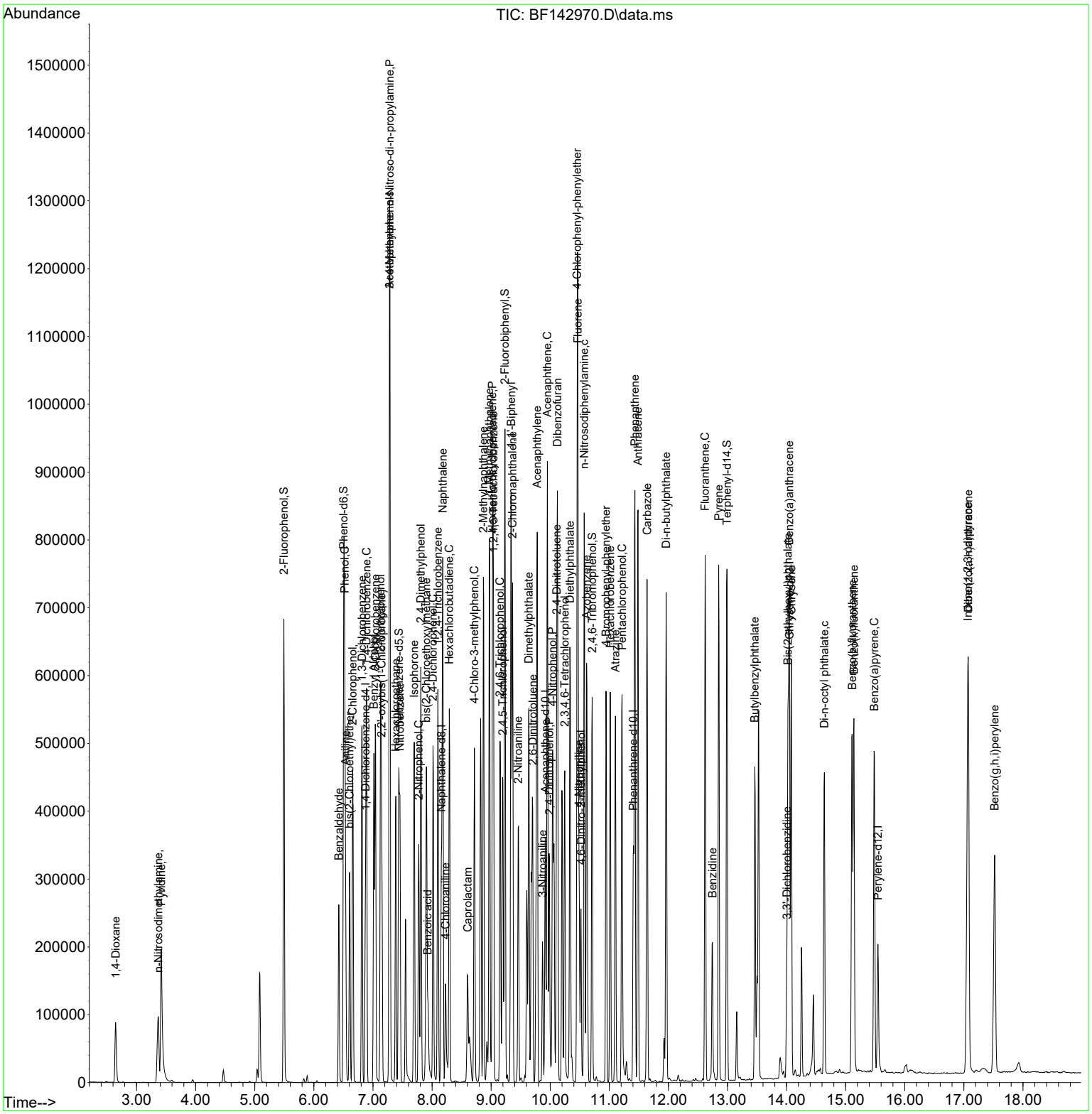
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	101353	46.506	ng	98
46) 1,1'-Biphenyl	9.339	154	401217	47.171	ng	100
47) 2-Chloronaphthalene	9.363	162	300447	47.071	ng	100
48) 2-Nitroaniline	9.457	65	88162	49.267	ng	99
49) Acenaphthylene	9.781	152	495833	47.188	ng	100
50) Dimethylphthalate	9.639	163	344572	49.438	ng	100
51) 2,6-Dinitrotoluene	9.704	165	76844	50.204	ng	95
52) Acenaphthene	9.951	154	330431m	51.542	ng	
53) 3-Nitroaniline	9.869	138	46603	27.654	ng	100
54) 2,4-Dinitrophenol	9.987	184	76377	99.655	ng	96
55) Dibenzofuran	10.122	168	443336	48.225	ng	99
56) 4-Nitrophenol	10.039	139	114497	99.242	ng	96
57) 2,4-Dinitrotoluene	10.110	165	104944	51.617	ng	96
58) Fluorene	10.469	166	351193	48.915	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	87628	49.883	ng	95
60) Diethylphthalate	10.334	149	353027	51.659	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	168016	49.041	ng	99
62) 4-Nitroaniline	10.486	138	80381	52.153	ng	98
63) Azobenzene	10.616	77	314566	51.503	ng	98
65) 4,6-Dinitro-2-methylph...	10.522	198	53566	49.058	ng	97
66) n-Nitrosodiphenylamine	10.575	169	300659	48.057	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	99985	48.667	ng	96
68) Hexachlorobenzene	11.016	284	111064	48.651	ng	99
69) Atrazine	11.104	200	92183	57.059	ng	100
70) Pentachlorophenol	11.216	266	105094	92.386	ng	99
71) Phenanthrene	11.433	178	477581	48.839	ng	100
72) Anthracene	11.486	178	489090	48.768	ng	99
73) Carbazole	11.639	167	431756	49.887	ng	100
74) Di-n-butylphthalate	11.963	149	518905	57.554	ng	99
75) Fluoranthene	12.622	202	456472	49.186	ng	100
77) Benzidine	12.745	184	120231	30.706	ng	99
78) Pyrene	12.851	202	446599	45.717	ng	99
80) Butylbenzylphthalate	13.463	149	160365	56.593	ng	97
81) Benzo(a)anthracene	14.045	228	342784	48.756	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	38302	16.796	ng	99
83) Chrysene	14.080	228	303931	48.447	ng	99
84) Bis(2-ethylhexyl)phtha...	14.022	149	205005	50.284	ng	99
85) Di-n-octyl phthalate	14.639	149	317463	41.295	ng	99
87) Indeno(1,2,3-cd)pyrene	17.068	276	374660	44.359	ng	99
88) Benzo(b)fluoranthene	15.110	252	330476	51.505	ng	99
89) Benzo(k)fluoranthene	15.139	252	300146	49.999	ng	99
90) Benzo(a)pyrene	15.486	252	308547	49.776	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	301867	43.987	ng	98
92) Benzo(g,h,i)perylene	17.521	276	296284	43.296	ng	98

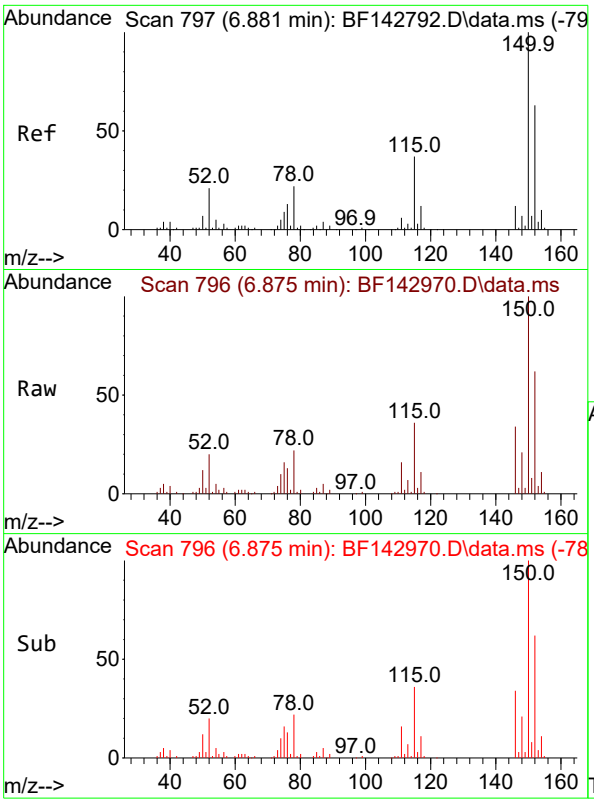
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142970.D
Acq On : 02 Jul 2025 14:47
Operator : RC/JU
Sample : Q2458-04MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Quant Time: Jul 02 15:18:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



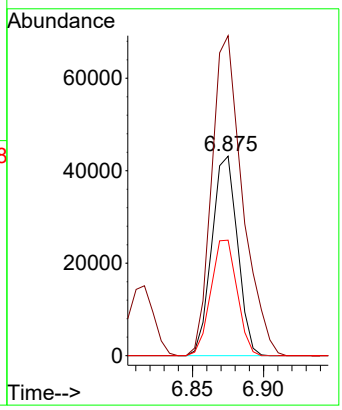


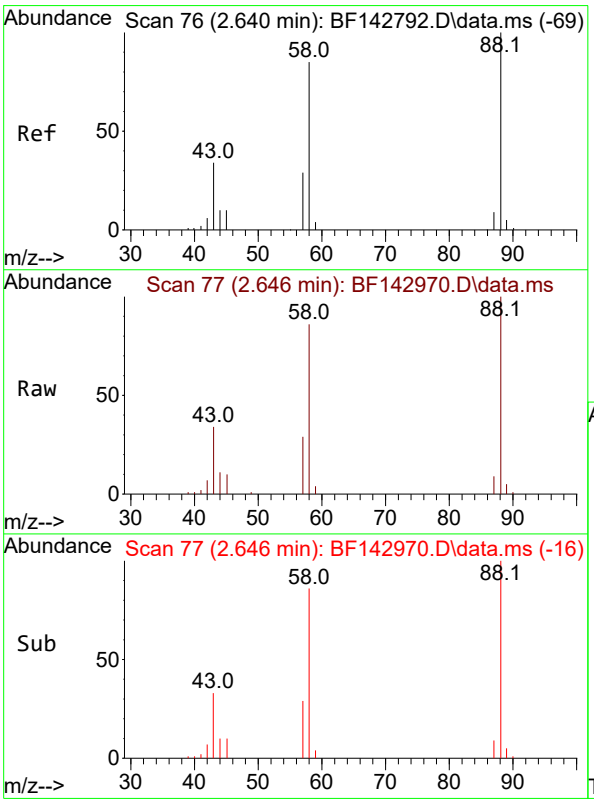
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:152 Resp: 54262

Ion	Ratio	Lower	Upper
152	100		
150	160.4	127.2	190.8
115	57.9	46.6	69.8

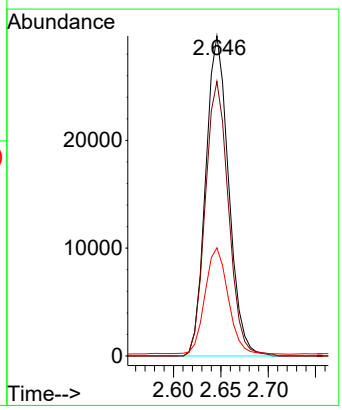


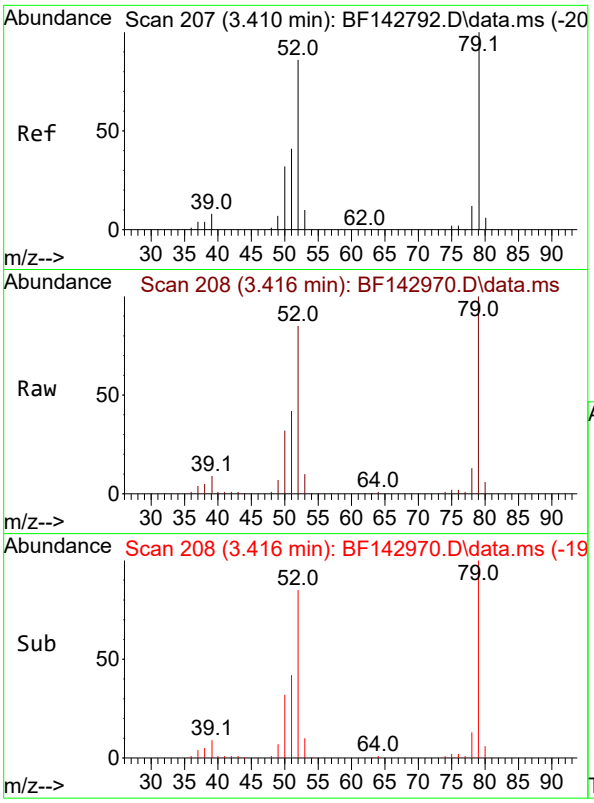


#2
1,4-Dioxane
Concen: 38.401 ng
RT: 2.646 min Scan# 77
Delta R.T. 0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion: 88 Resp: 50058

Ion	Ratio	Lower	Upper
88	100		
58	86.8	69.1	103.7
43	33.6	27.4	41.2



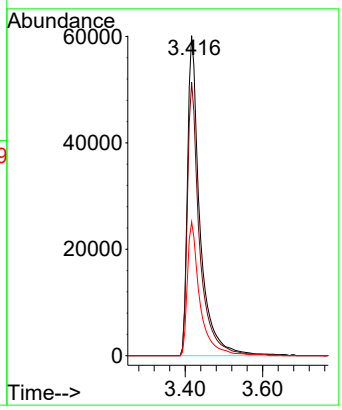


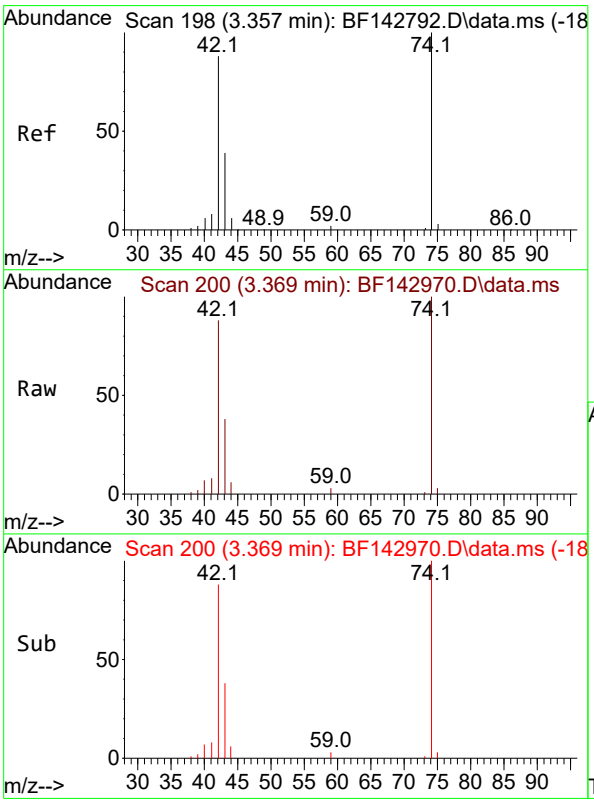
#3
Pyridine
Concen: 40.918 ng
RT: 3.416 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion: 79 Resp: 133722

Ion	Ratio	Lower	Upper
79	100		
52	85.4	69.2	103.8
51	41.8	33.2	49.8

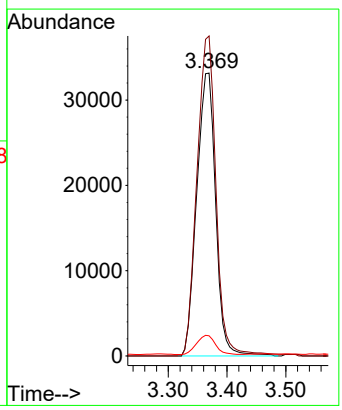


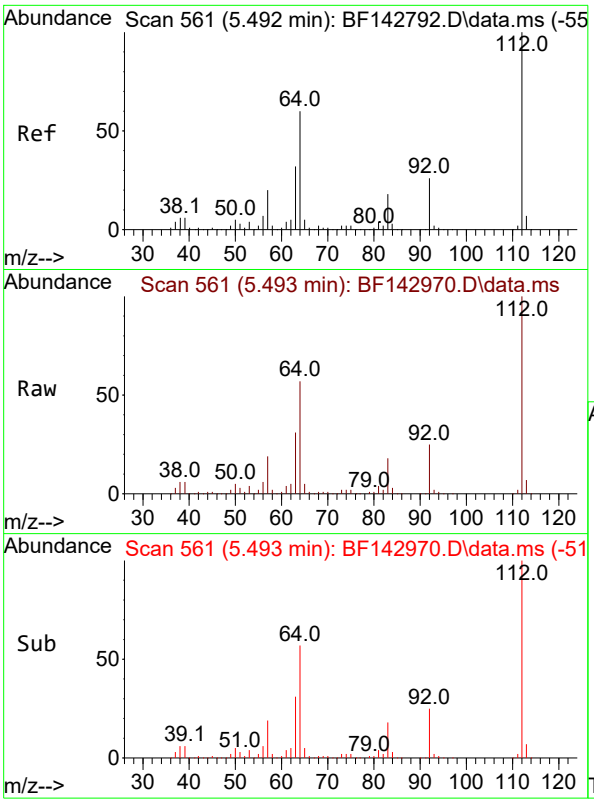


#4
n-Nitrosodimethylamine
Concen: 43.969 ng
RT: 3.369 min Scan# 200
Delta R.T. 0.012 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion: 42 Resp: 74305

Ion	Ratio	Lower	Upper
42	100		
74	113.1	90.9	136.3
44	7.2	5.8	8.6



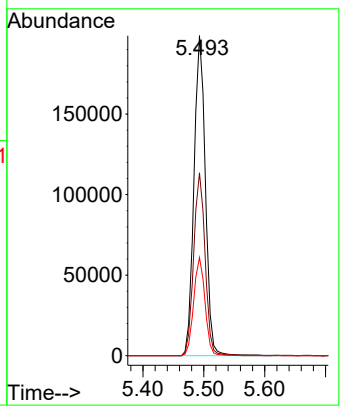


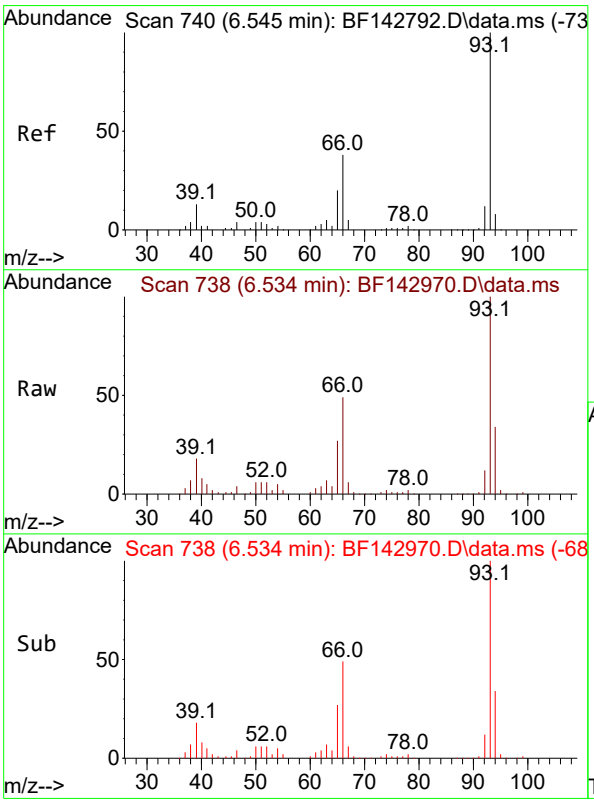
#5
2-Fluorophenol
Concen: 79.360 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.001 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:112 Resp: 258644

Ion	Ratio	Lower	Upper
112	100		
64	57.2	48.2	72.2
63	30.7	25.7	38.5

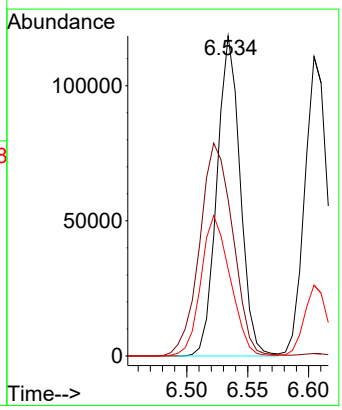


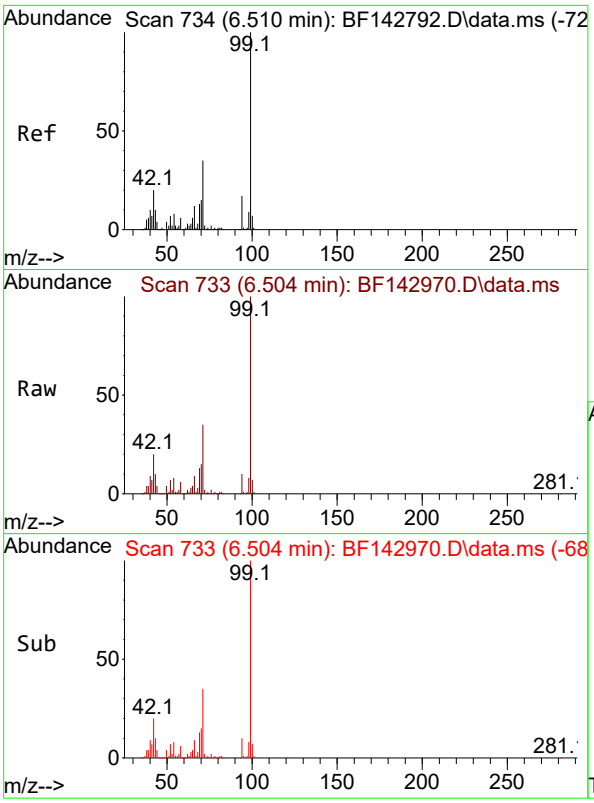


#6
Aniline
Concen: 30.734 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion: 93 Resp: 157245

Ion	Ratio	Lower	Upper
93	100		
66	49.0	31.8	47.6#
65	27.2	16.2	24.2#



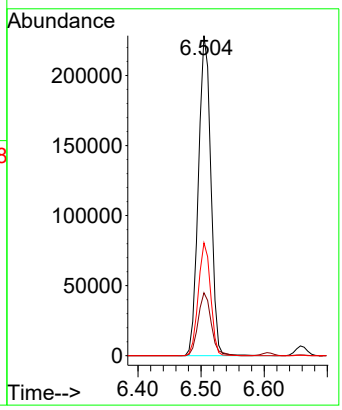


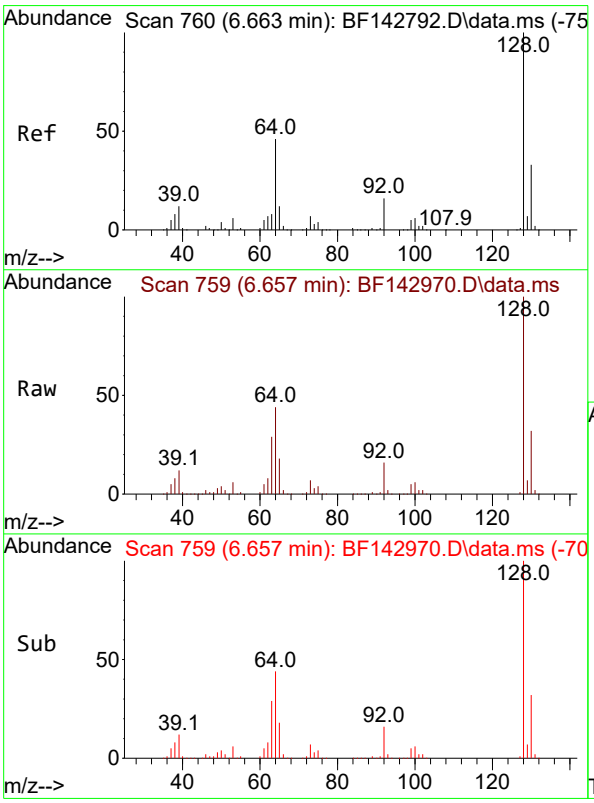
#7
Phenol-d6
Concen: 81.068 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion: 99 Resp: 311719

Ion	Ratio	Lower	Upper
99	100		
42	19.7	15.9	23.9
71	35.3	27.8	41.8

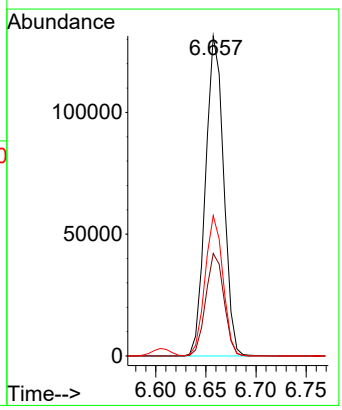


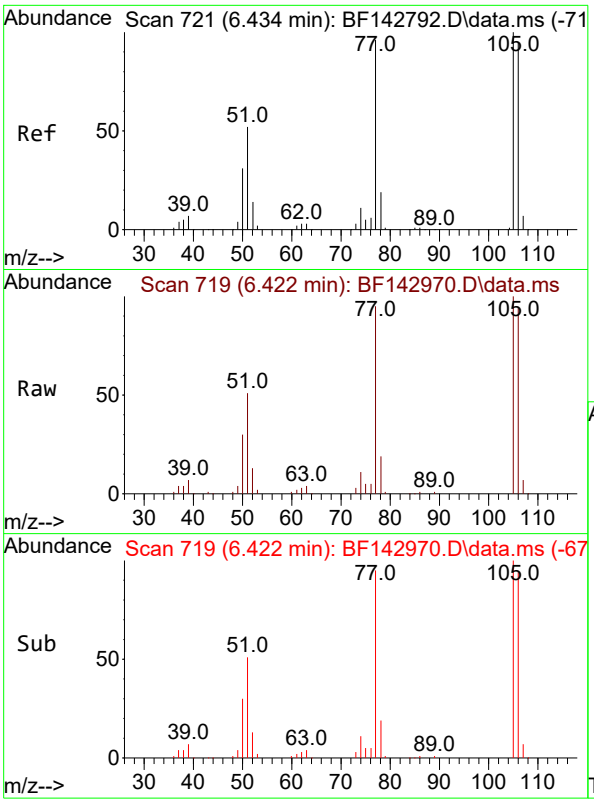


#8
2-Chlorophenol
Concen: 46.979 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:128 Resp: 165164

Ion	Ratio	Lower	Upper
128	100		
130	32.0	12.7	52.7
64	43.9	26.5	66.5



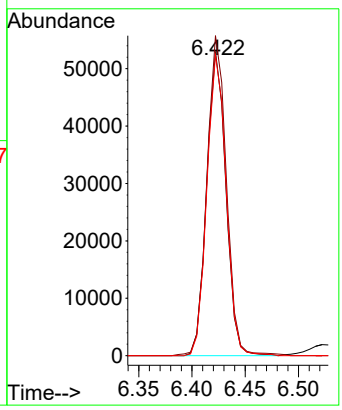


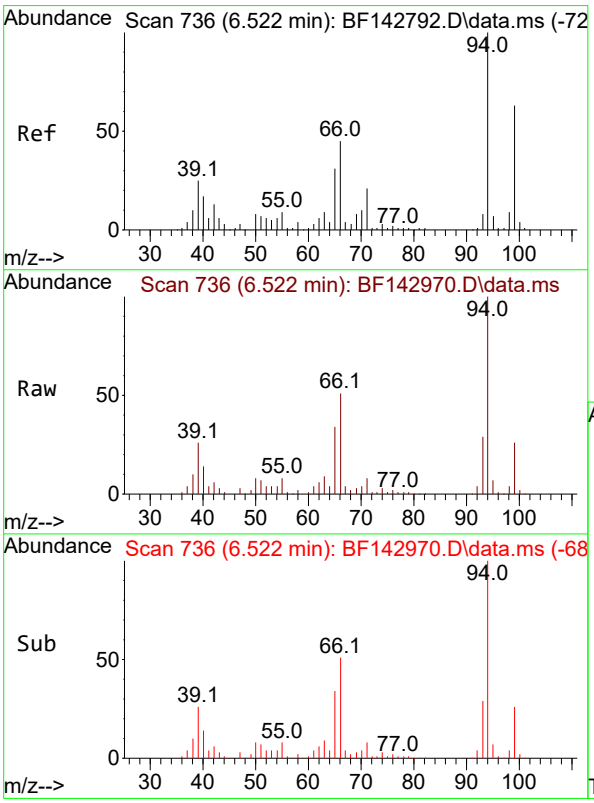
#9
Benzaldehyde
Concen: 29.112 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion: 77 Resp: 66411

Ion	Ratio	Lower	Upper
77	100		
105	105.3	83.8	123.8
106	99.0	78.7	118.7

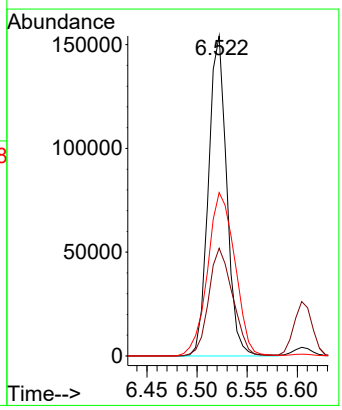


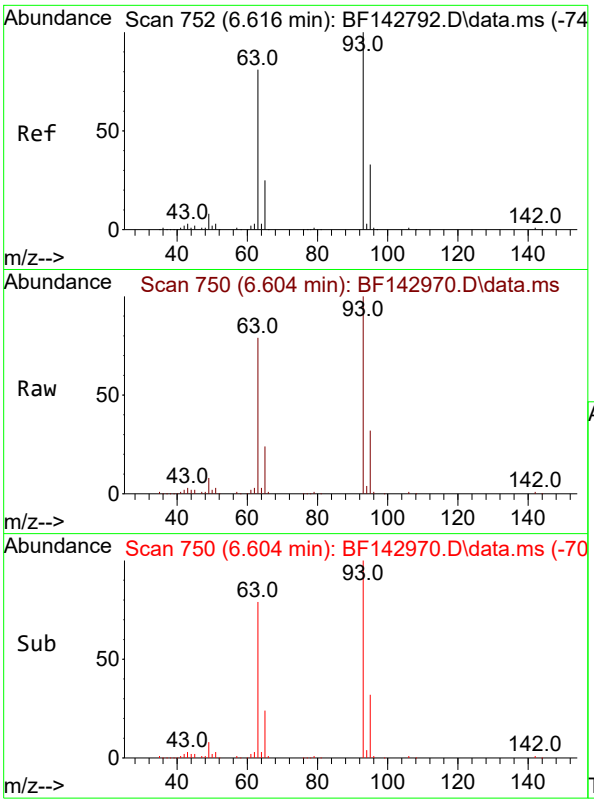


#10
Phenol
Concen: 45.816 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion: 94 Resp: 195825

Ion	Ratio	Lower	Upper
94	100		
65	33.7	11.3	51.3
66	51.1	24.9	64.9



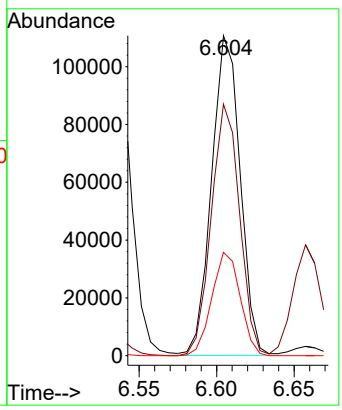


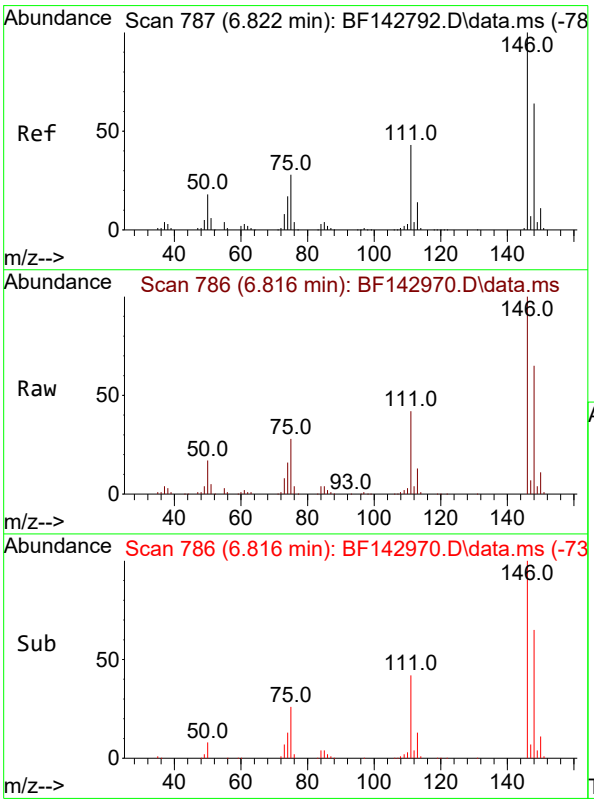
#11
bis(2-Chloroethyl)ether
Concen: 46.494 ng
RT: 6.604 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion: 93 Resp: 142030

Ion	Ratio	Lower	Upper
93	100		
63	78.6	60.3	100.3
95	32.3	12.5	52.5

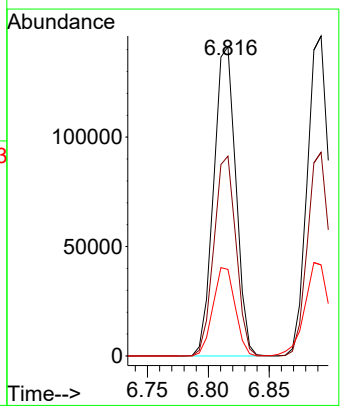


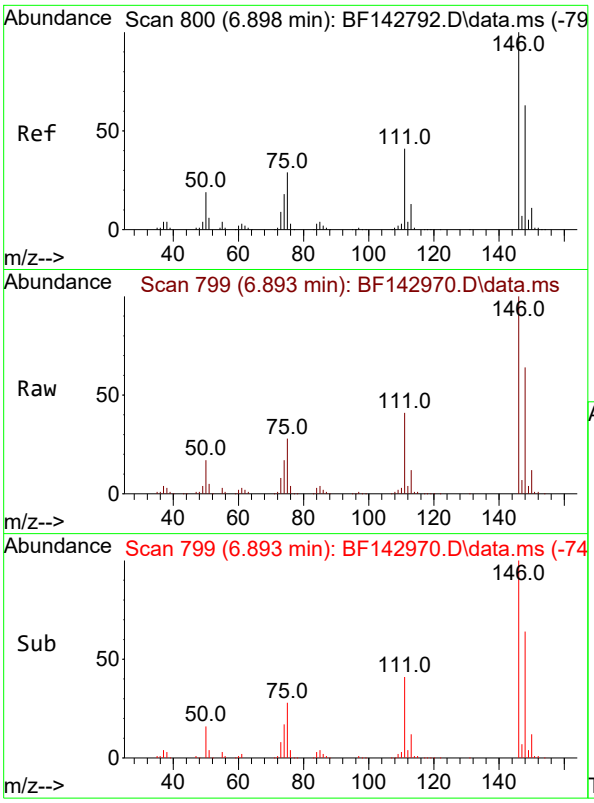


#12
1,3-Dichlorobenzene
Concen: 45.638 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:146 Resp: 179443

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.1	76.7
75	28.0	22.7	34.1



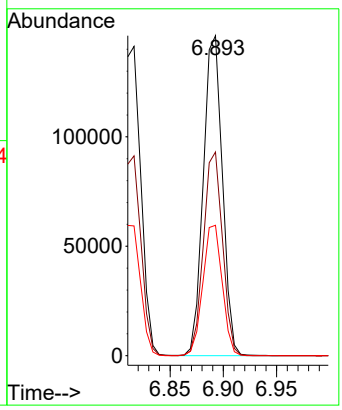


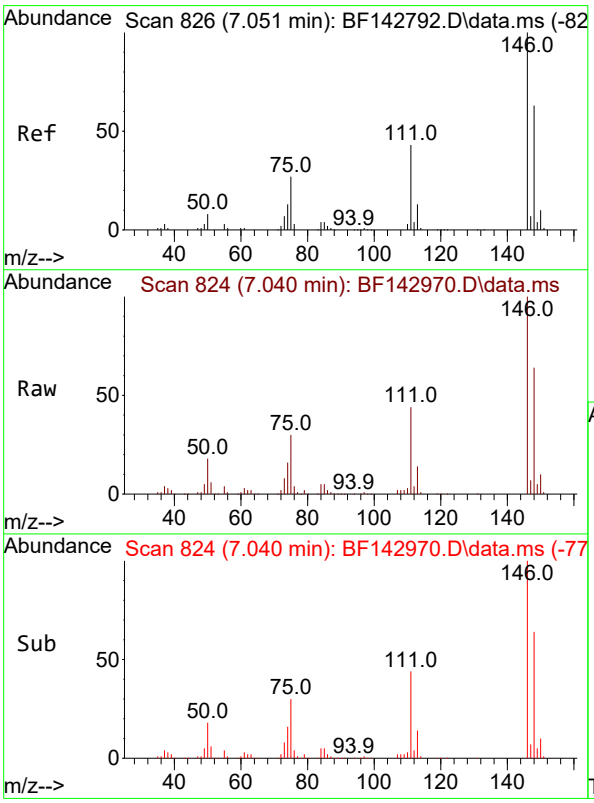
#13
1,4-Dichlorobenzene
Concen: 45.976 ng
RT: 6.893 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:146 Resp: 182383

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.2	75.2
111	40.8	33.2	49.8

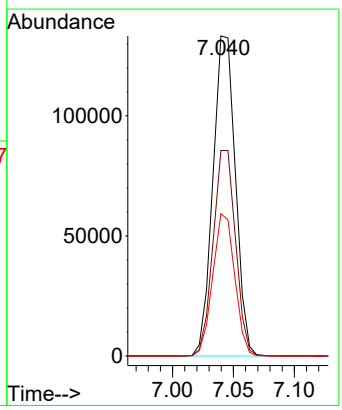


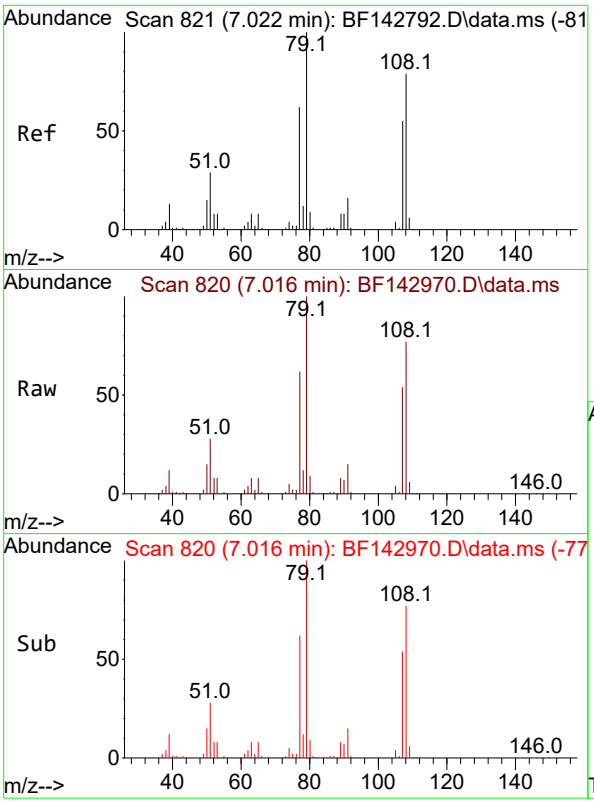


#14
1,2-Dichlorobenzene
Concen: 45.573 ng
RT: 7.040 min Scan# 824
Delta R.T. -0.012 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:146 Resp: 171473

Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.4	75.6
111	44.5	34.1	51.1



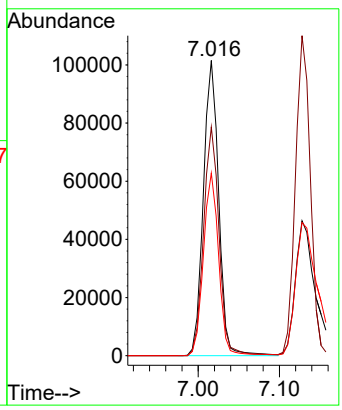


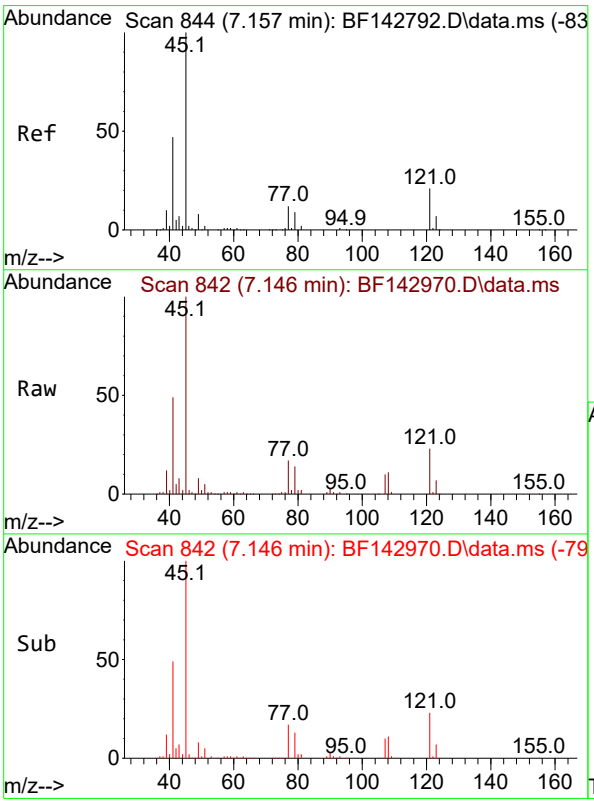
#15
Benzyl Alcohol
Concen: 47.857 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion: 79 Resp: 133032

Ion	Ratio	Lower	Upper
79	100		
108	77.4	63.4	95.0
77	61.8	49.5	74.3

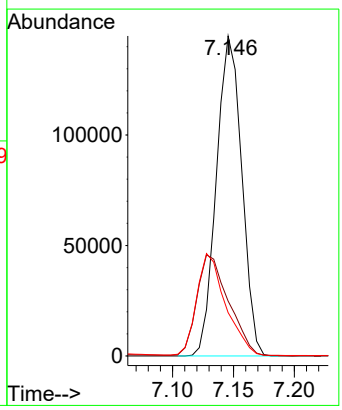


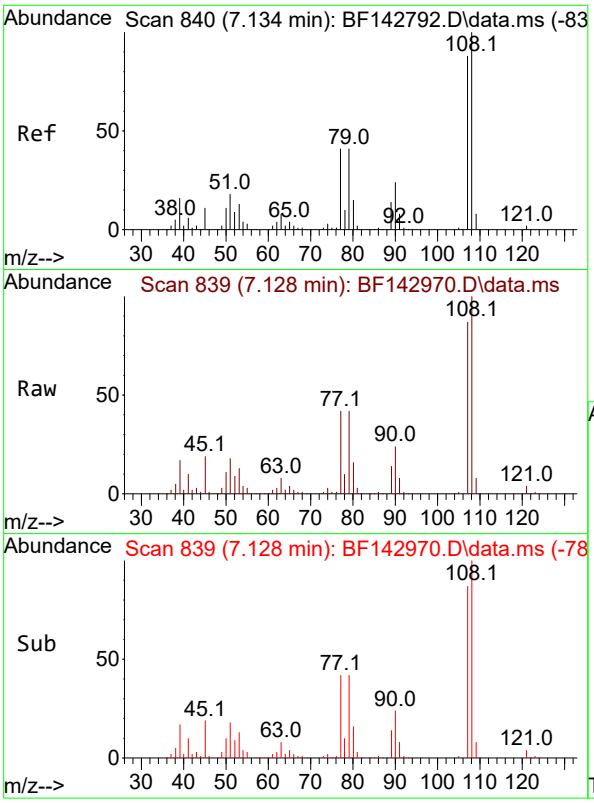


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.819 ng
RT: 7.146 min Scan# 842
Delta R.T. -0.012 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion: 45 Resp: 210155

Ion	Ratio	Lower	Upper
45	100		
77	17.2	0.0	32.8
79	13.6	0.0	29.8



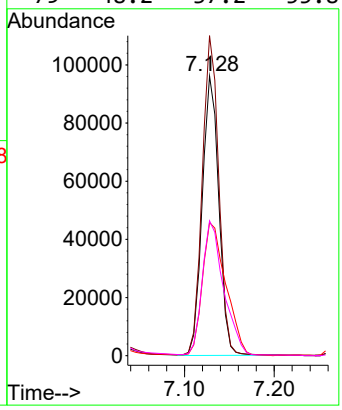


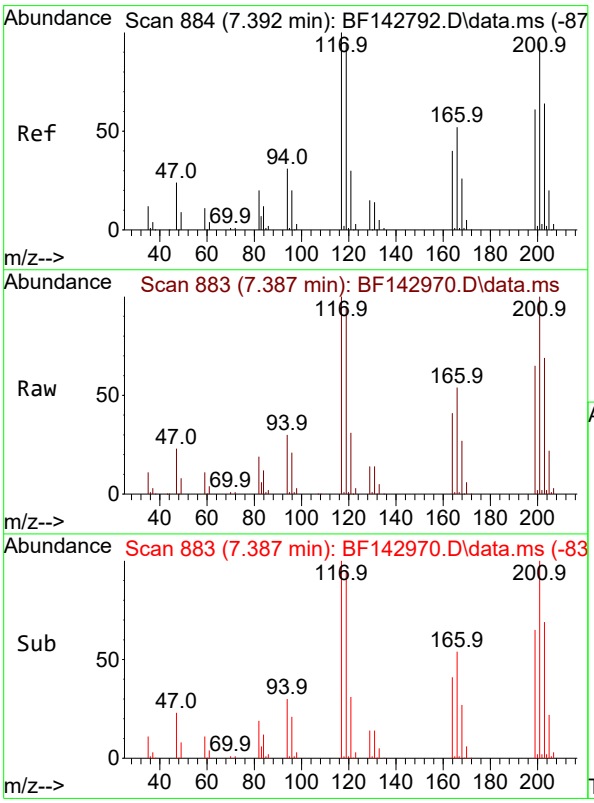
#17
2-Methylphenol
Concen: 46.299 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:107 Resp: 123352

Ion	Ratio	Lower	Upper
107	100		
108	114.4	90.9	136.3
77	47.6	37.3	55.9
79	48.2	37.2	55.8

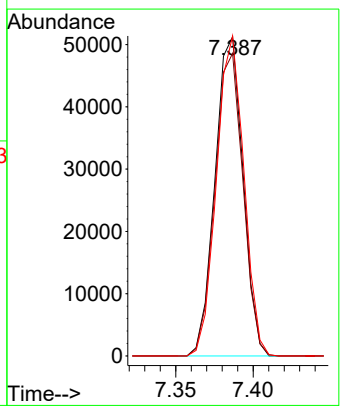


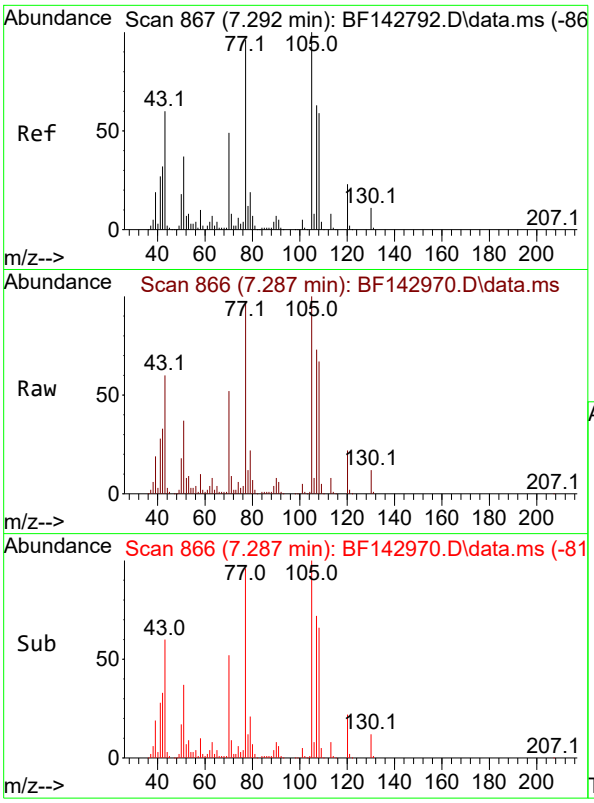


#18
Hexachloroethane
Concen: 46.365 ng
RT: 7.387 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:117 Resp: 64332

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.4	113.0
201	100.2	75.9	113.9



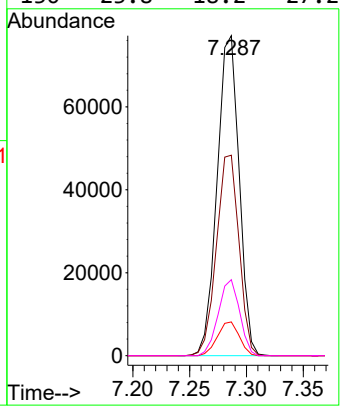


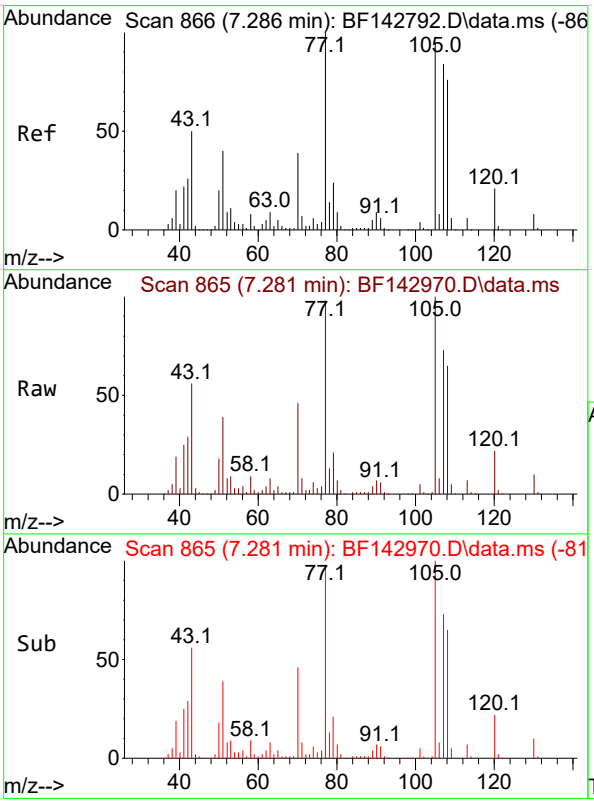
#19
n-Nitroso-di-n-propylamine
Concen: 46.574 ng
RT: 7.287 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion: 70 Resp: 104156

Ion	Ratio	Lower	Upper
70	100		
42	62.6	52.1	78.1
101	10.6	8.2	12.2
130	23.8	18.2	27.2

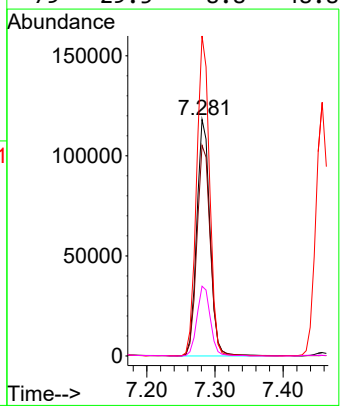


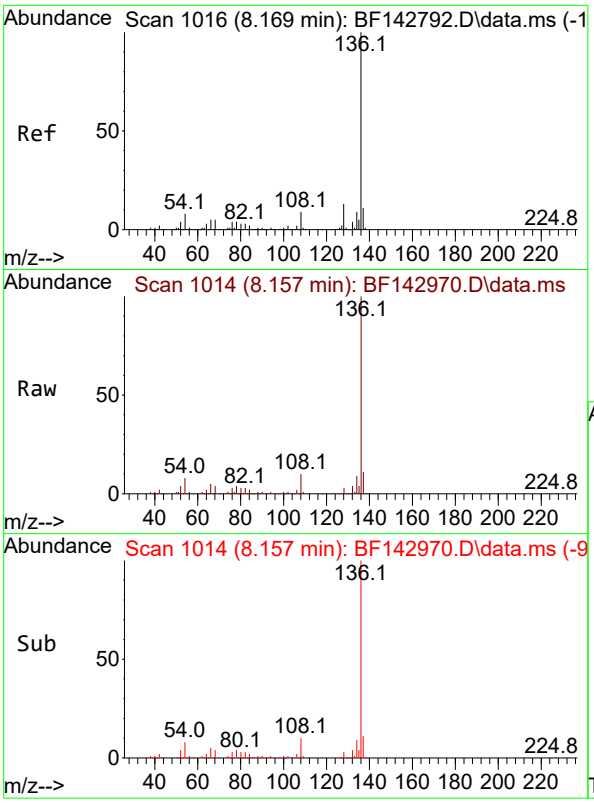


#20
3+4-Methylphenols
Concen: 47.969 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:107 Resp: 159344

Ion	Ratio	Lower	Upper
107	100		
108	89.1	70.0	110.0
77	135.4	98.5	138.5
79	29.5	8.8	48.8



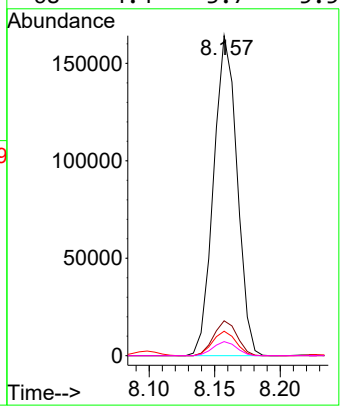


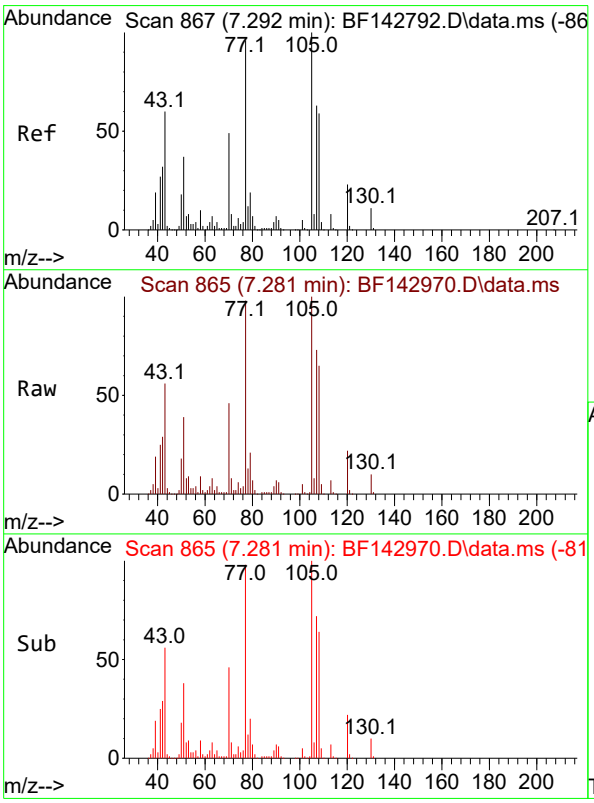
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:136 Resp: 204360

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	7.7	6.3	9.5
68	4.4	3.7	5.5

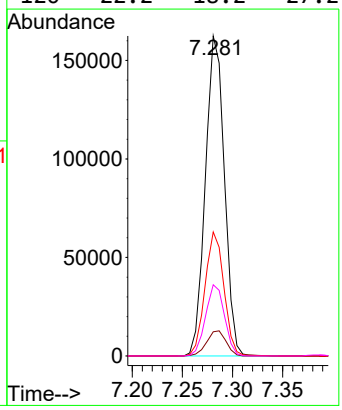


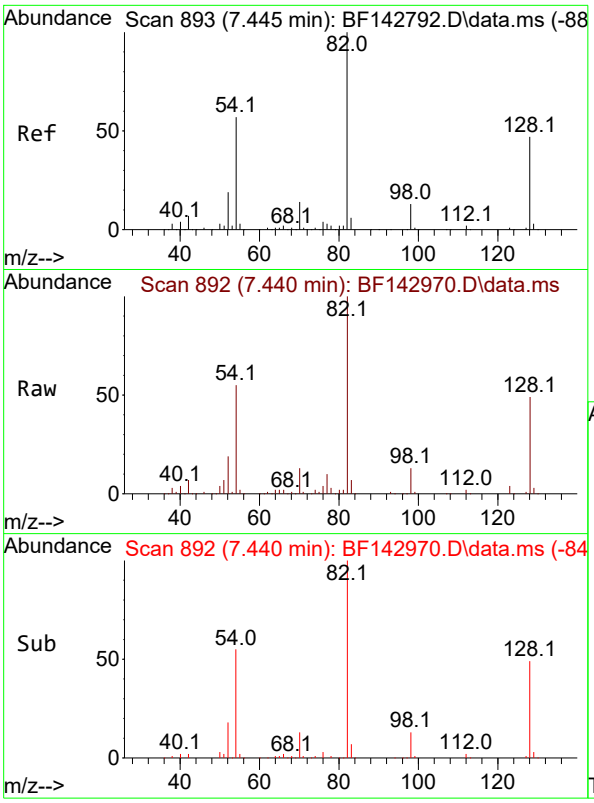


#22
Acetophenone
Concen: 47.672 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.012 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:105 Resp: 214833

Ion	Ratio	Lower	Upper
105	100		
71	7.5	6.5	9.7
51	38.8	29.8	44.8
120	22.2	18.2	27.2



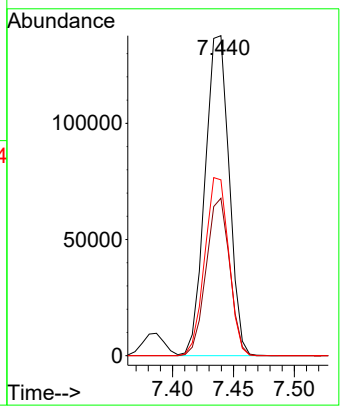


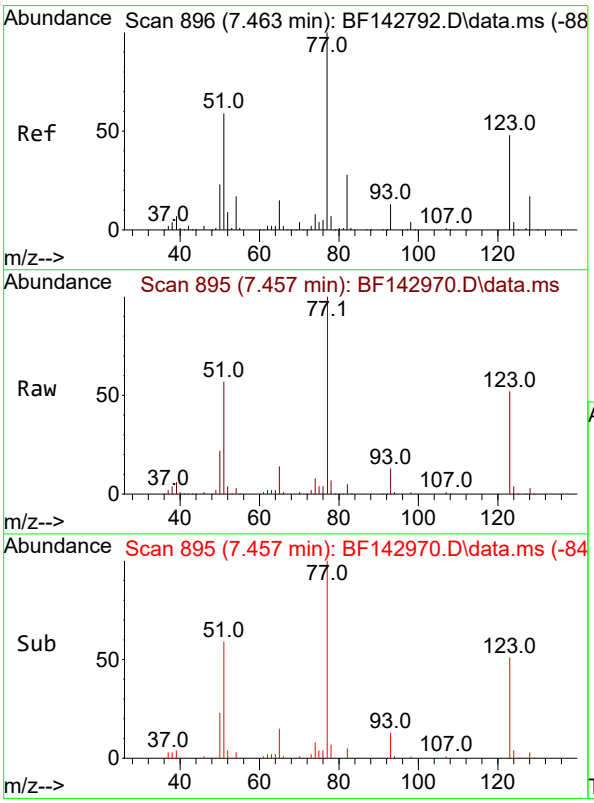
#23
Nitrobenzene-d5
Concen: 50.772 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion: 82 Resp: 189163

Ion	Ratio	Lower	Upper
82	100		
128	49.2	37.7	56.5
54	54.9	45.7	68.5

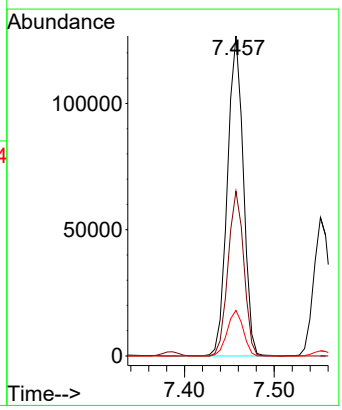


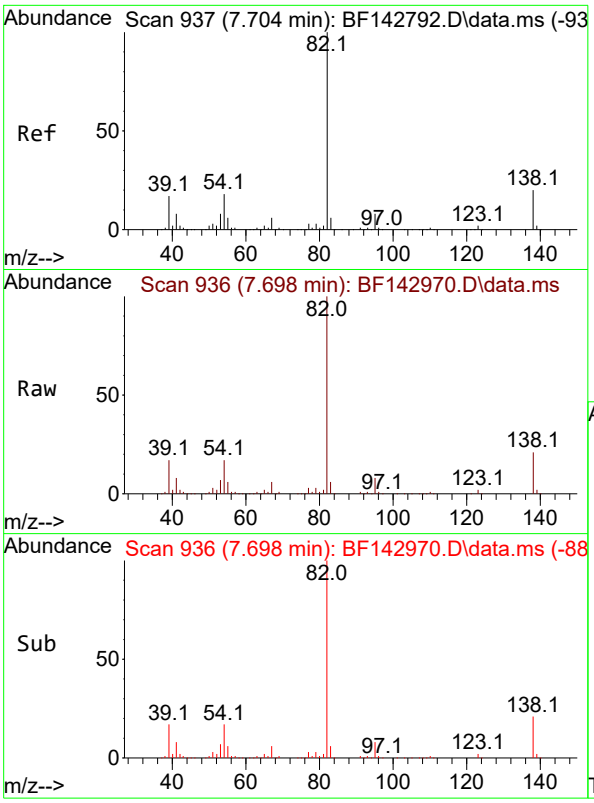


#24
Nitrobenzene
Concen: 46.251 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion: 77 Resp: 155967

Ion	Ratio	Lower	Upper
77	100		
123	51.5	39.2	58.8
65	14.2	11.6	17.4



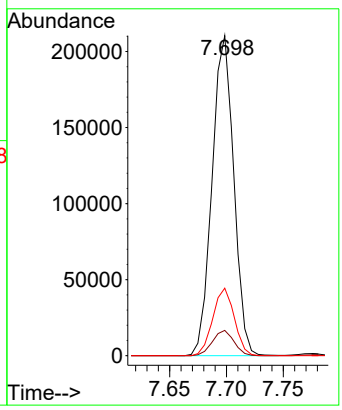


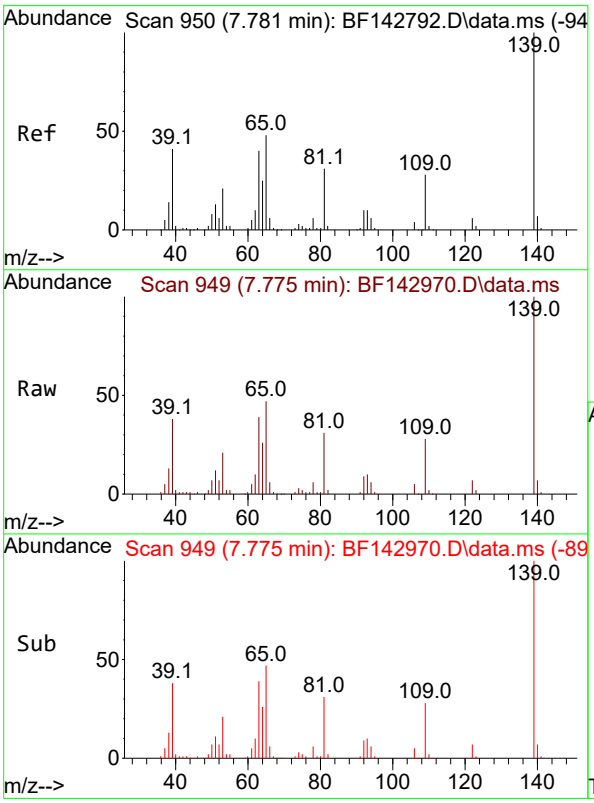
#25
Isophorone
Concen: 46.761 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion: 82 Resp: 279477

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.2	9.2
138	21.1	16.2	24.4

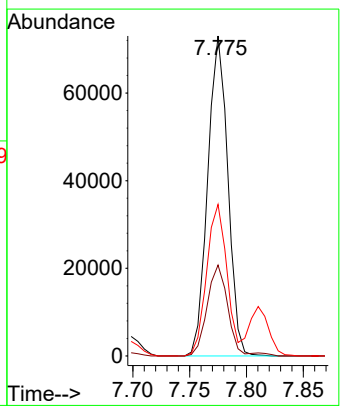


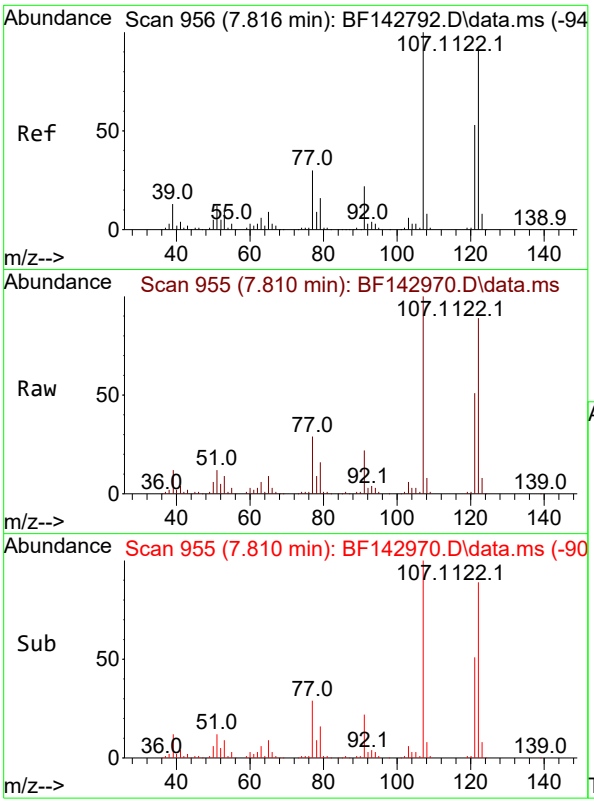


#26
2-Nitrophenol
Concen: 48.889 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:139 Resp: 89807

Ion	Ratio	Lower	Upper
139	100		
109	28.4	22.7	34.1
65	47.3	38.6	58.0



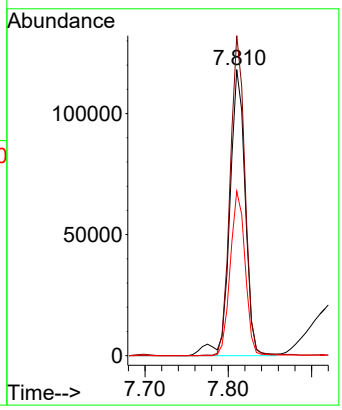


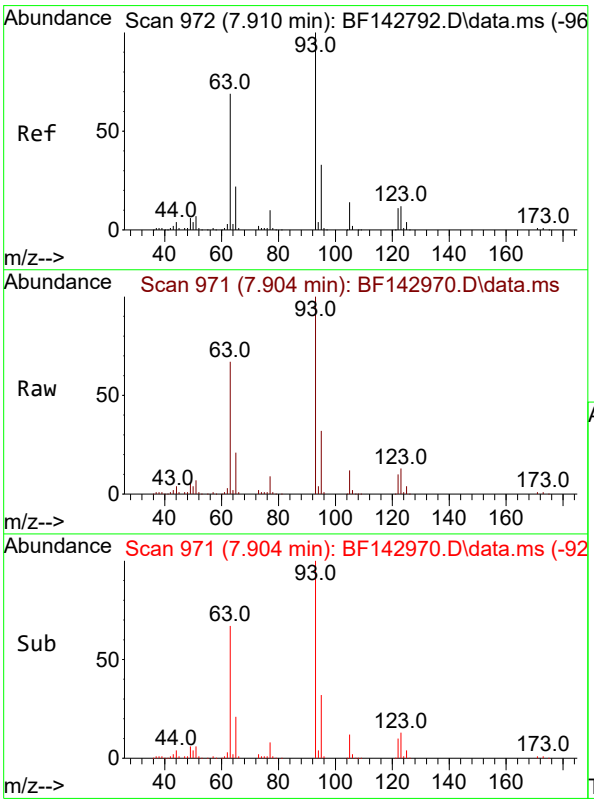
#27
2,4-Dimethylphenol
Concen: 47.777 ng m
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:122 Resp: 152023

Ion	Ratio	Lower	Upper
122	100		
107	111.8	88.0	132.0
121	57.5	46.3	69.5

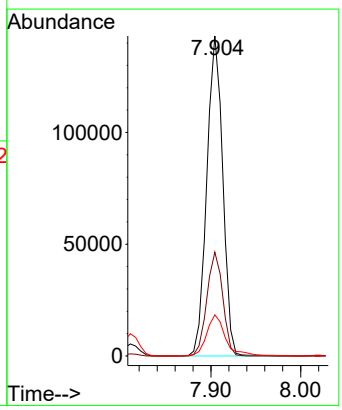


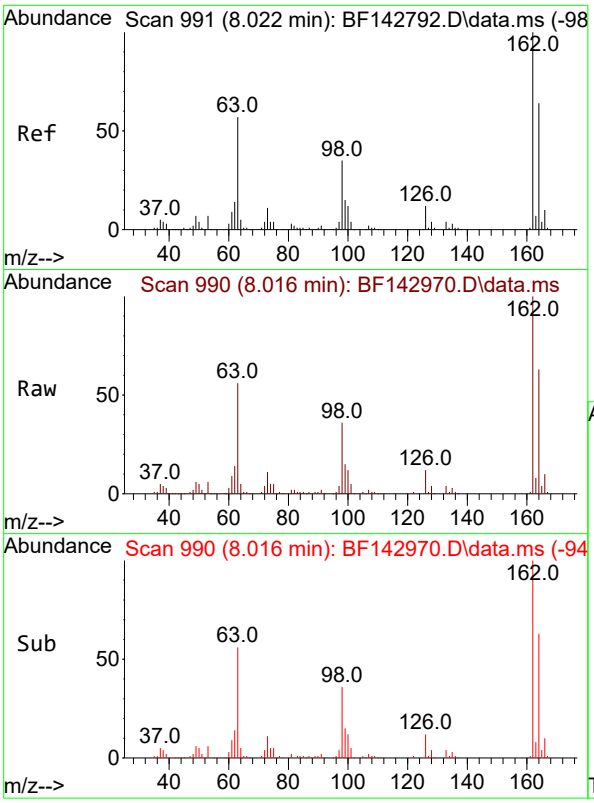


#28
bis(2-Chloroethoxy)methane
Concen: 46.455 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion: 93 Resp: 176513

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.2	39.2
123	12.9	9.9	14.9



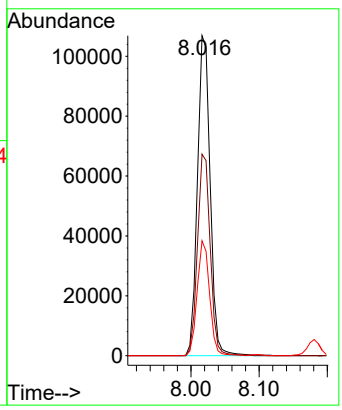


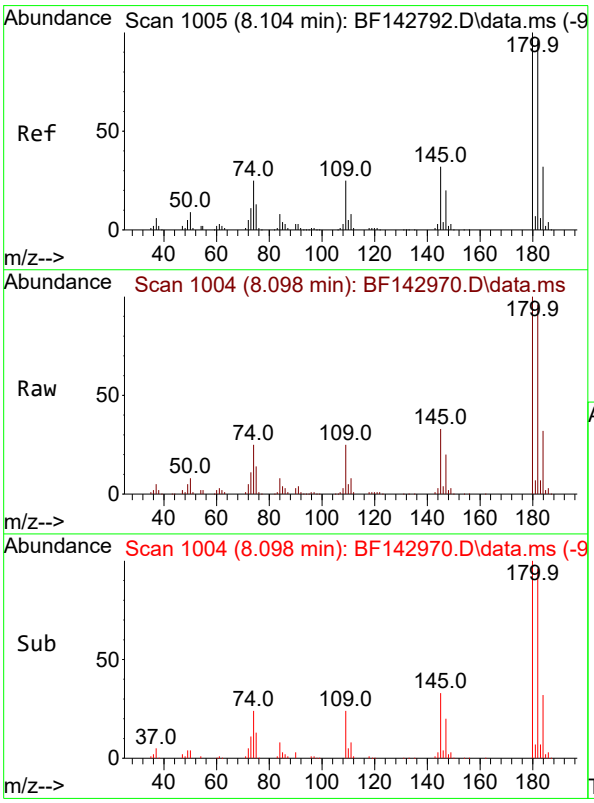
#29
2,4-Dichlorophenol
Concen: 48.171 ng
RT: 8.016 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:162 Resp: 138978

Ion	Ratio	Lower	Upper
162	100		
164	63.0	44.0	84.0
98	35.9	15.4	55.4

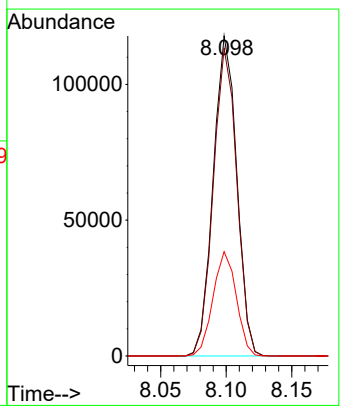


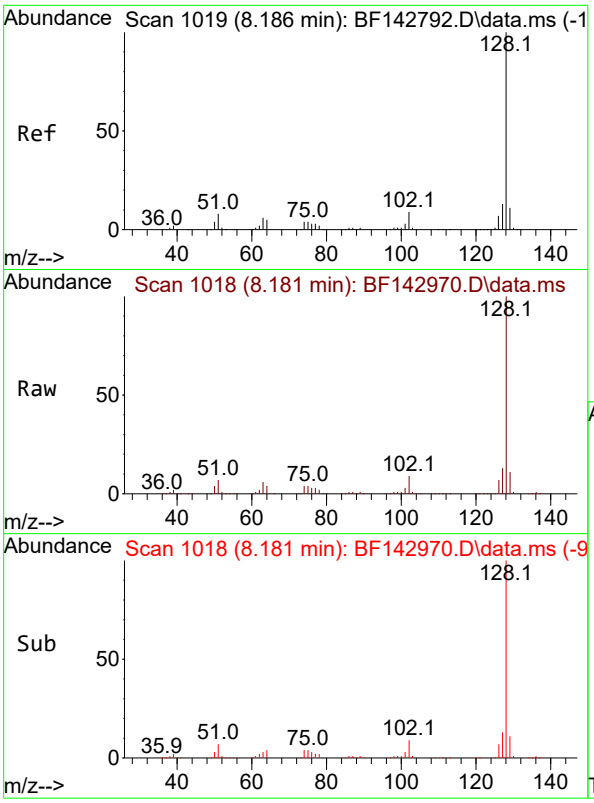


#30
1,2,4-Trichlorobenzene
Concen: 46.316 ng
RT: 8.098 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:180 Resp: 146938

Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.4	114.6
145	32.6	25.8	38.8



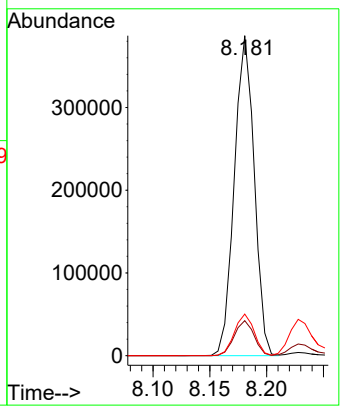


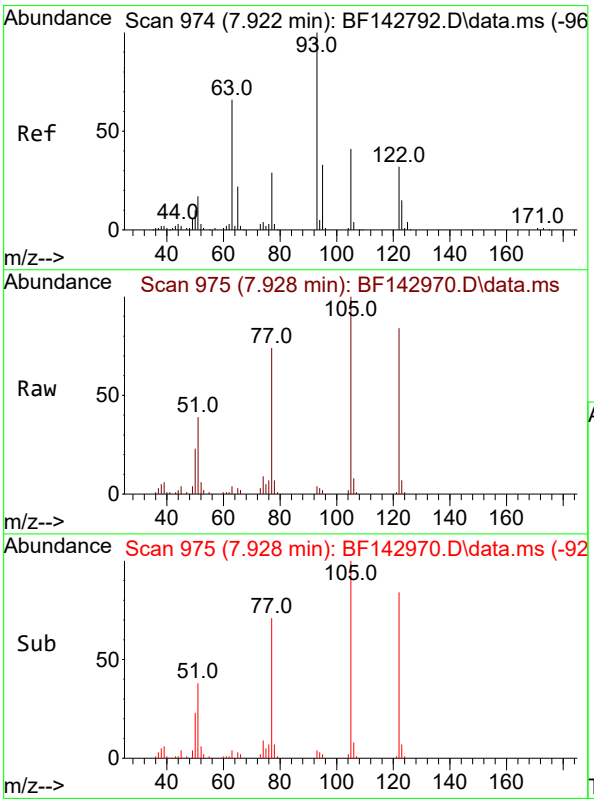
#31
Naphthalene
Concen: 47.052 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:128 Resp: 470666

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.0	10.4	15.6

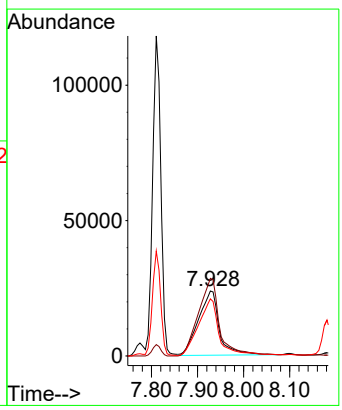


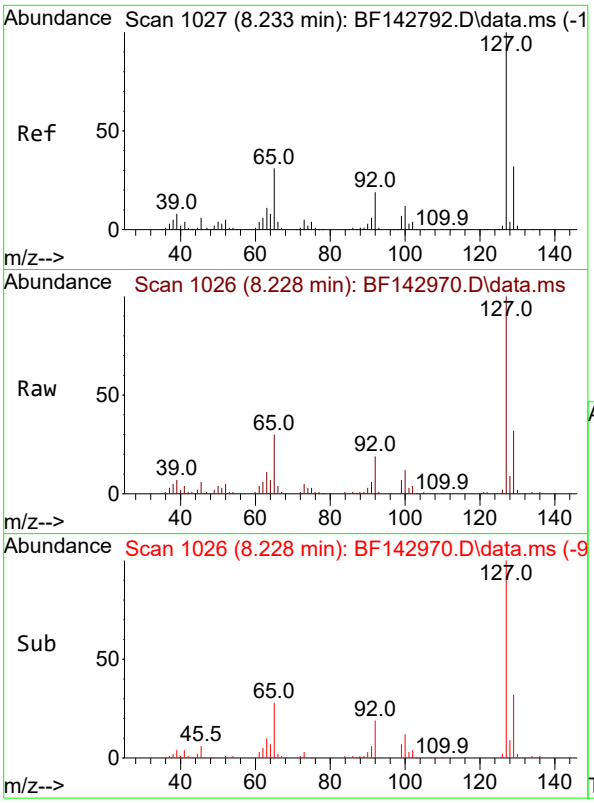


#32
Benzoic acid
Concen: 46.260 ng
RT: 7.928 min Scan# 975
Delta R.T. 0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:122 Resp: 75024

Ion	Ratio	Lower	Upper
122	100		
105	119.4	104.7	144.7
77	88.0	70.2	110.2



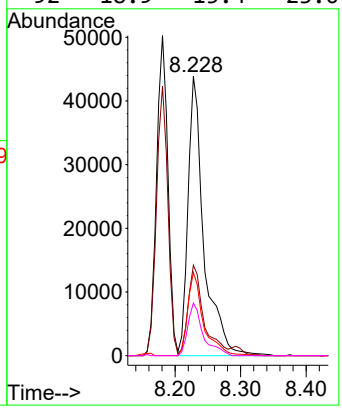


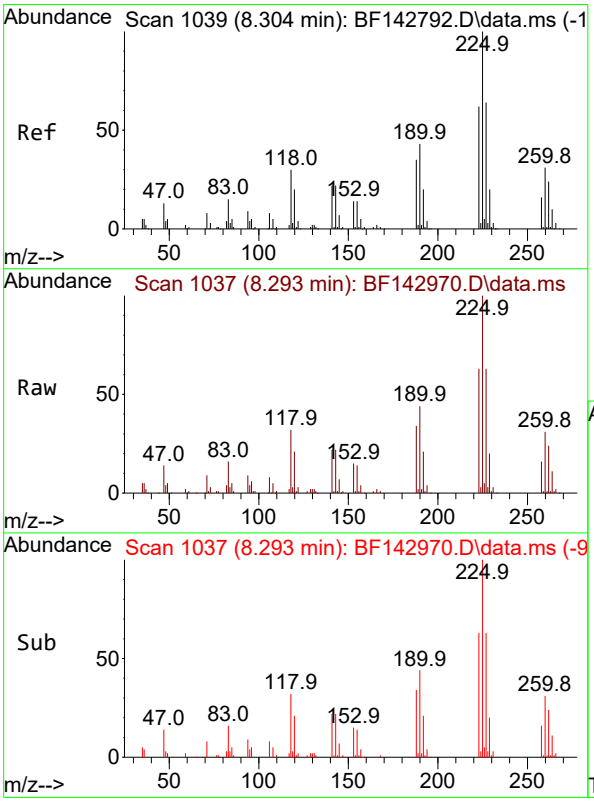
#33
4-Chloroaniline
Concen: 18.207 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:127 Resp: 74056

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.9	38.9
65	29.8	24.6	36.8
92	18.9	15.4	23.0

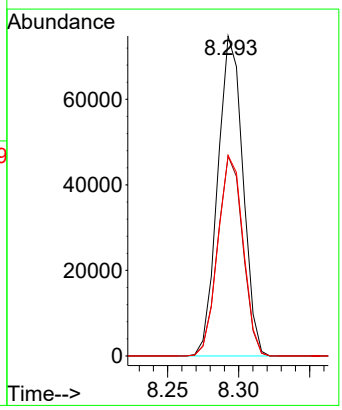


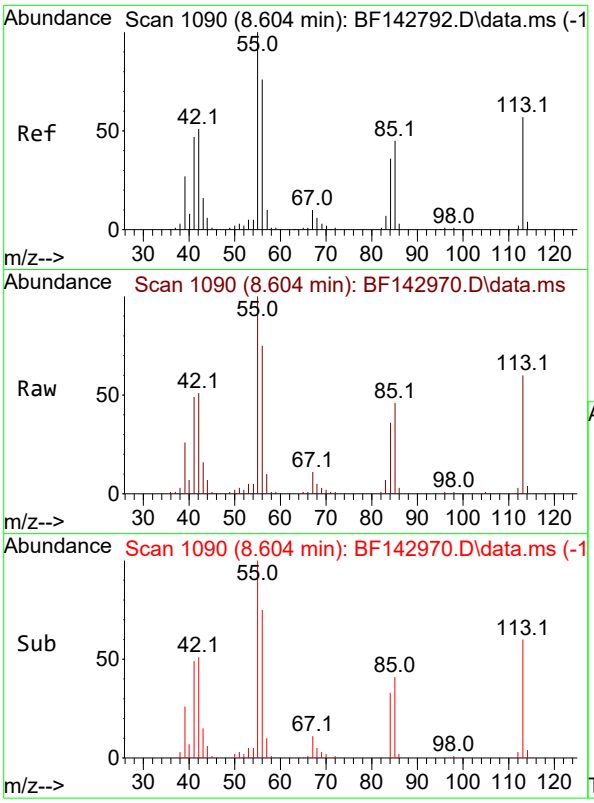


#34
Hexachlorobutadiene
Concen: 47.433 ng
RT: 8.293 min Scan# 1037
Delta R.T. -0.012 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:225 Resp: 92047

Ion	Ratio	Lower	Upper
225	100		
223	62.5	49.9	74.9
227	62.6	51.4	77.0



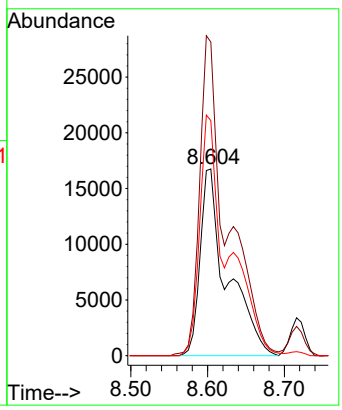


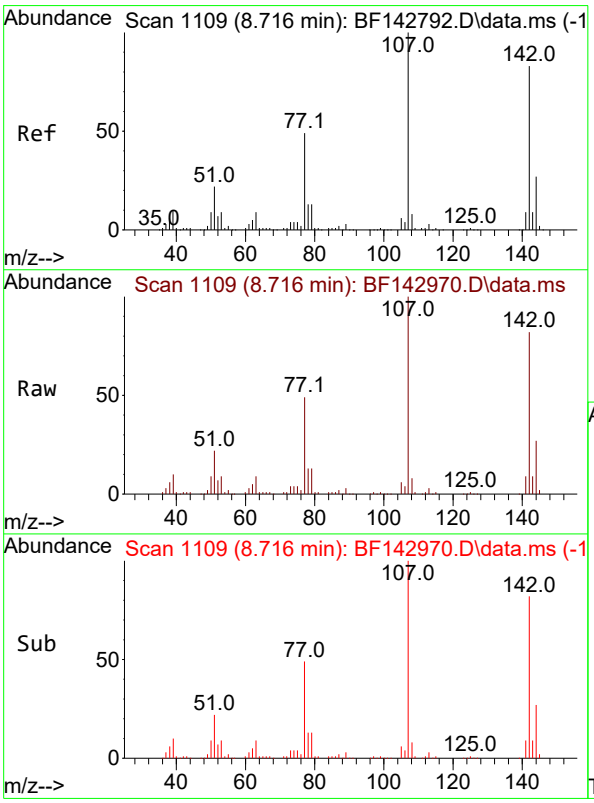
#35
Caprolactam
Concen: 53.721 ng m
RT: 8.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:113 Resp: 40899

Ion	Ratio	Lower	Upper
113	100		
55	168.1	154.4	194.4
56	125.9	112.1	152.1

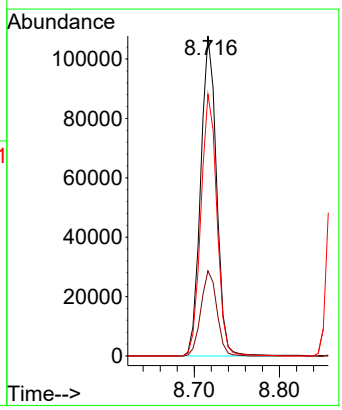


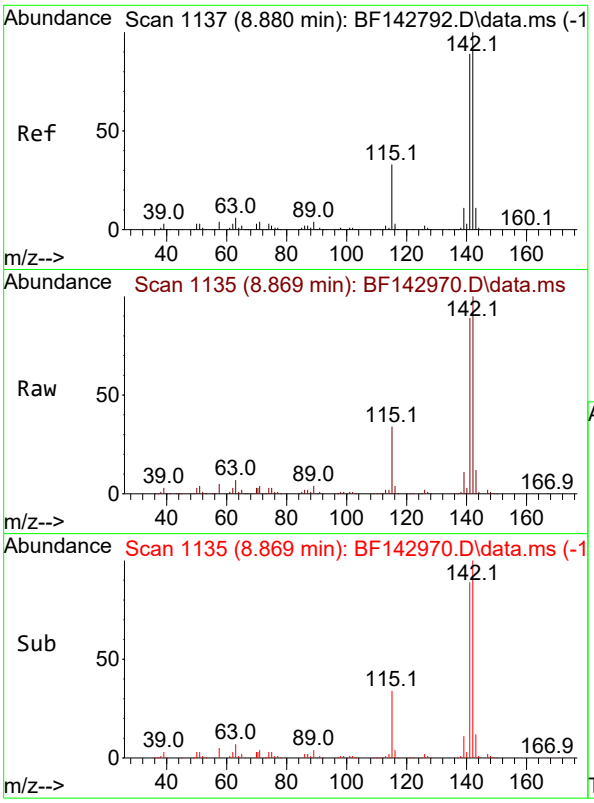


#36
4-Chloro-3-methylphenol
Concen: 48.563 ng
RT: 8.716 min Scan# 1109
Delta R.T. 0.000 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:107 Resp: 139247

Ion	Ratio	Lower	Upper
107	100		
144	26.6	21.3	31.9
142	81.8	66.6	100.0



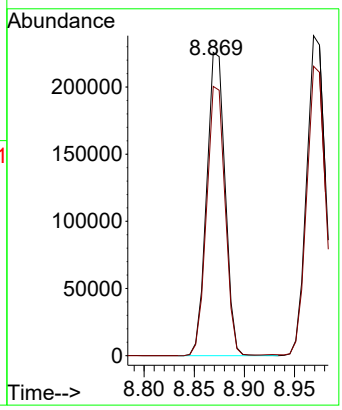


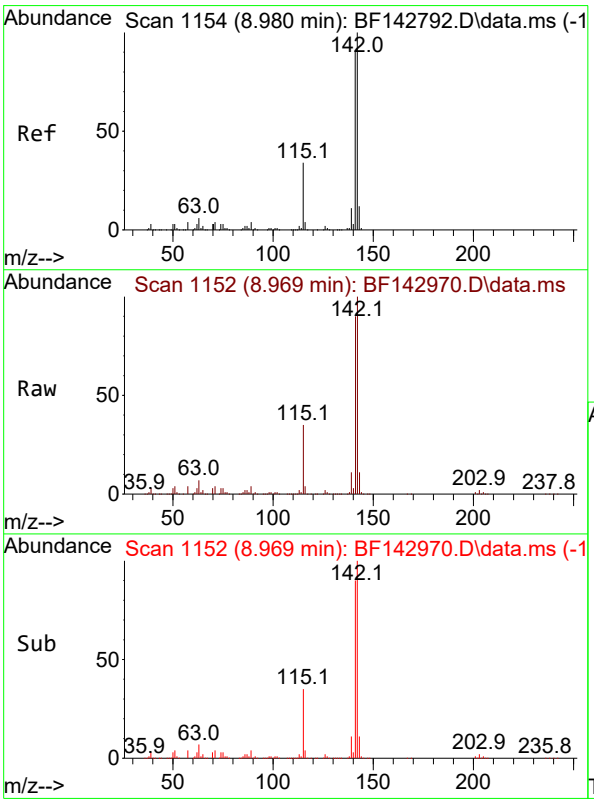
#37
2-Methylnaphthalene
Concen: 46.693 ng
RT: 8.869 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:142 Resp: 289570

Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.9	106.3

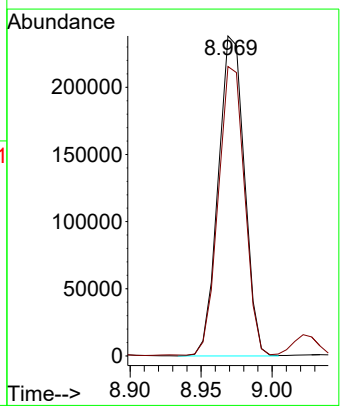


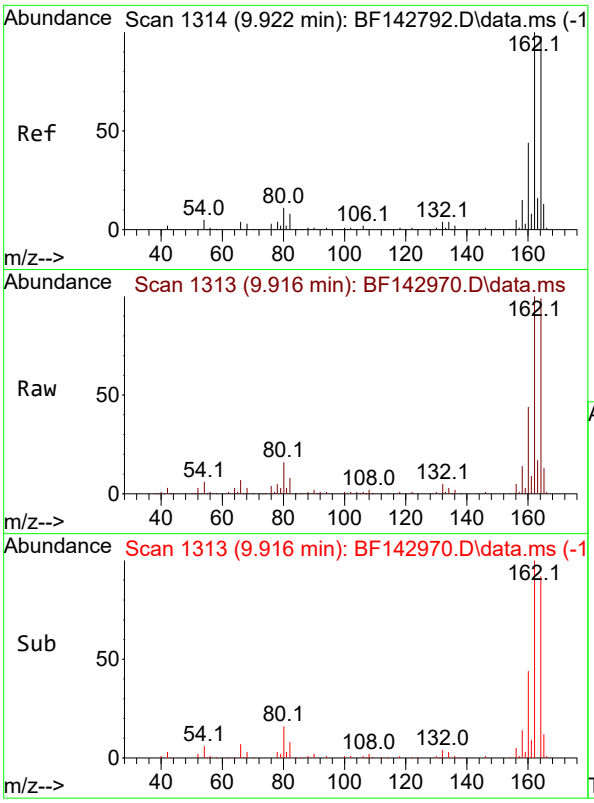


#38
1-Methylnaphthalene
Concen: 47.591 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.012 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:142 Resp: 305524

Ion	Ratio	Lower	Upper
142	100		
141	90.5	73.0	109.4



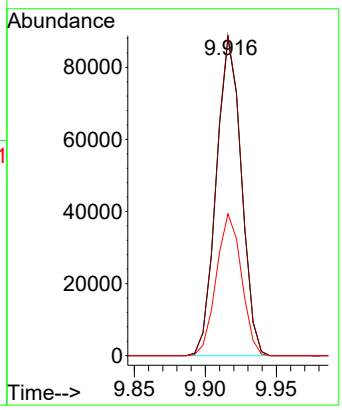


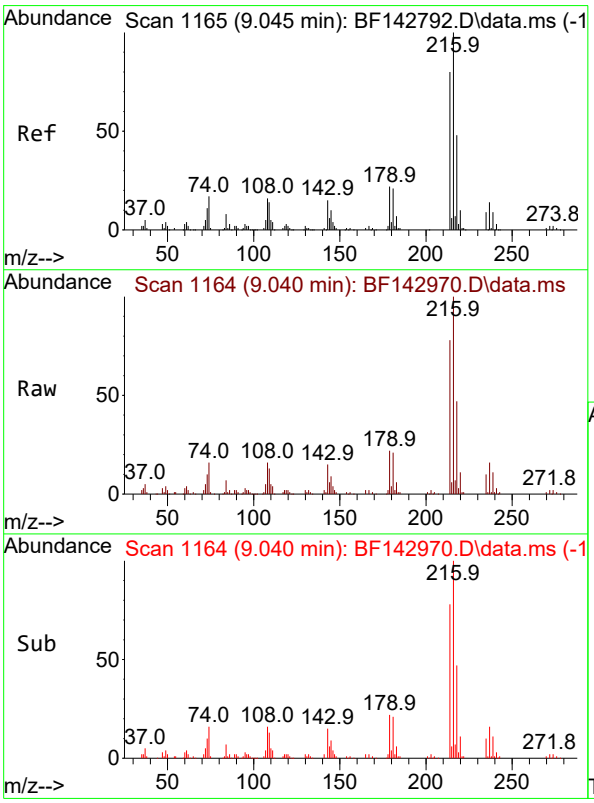
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:164 Resp: 107674

Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.8	122.8
160	44.7	36.0	54.0

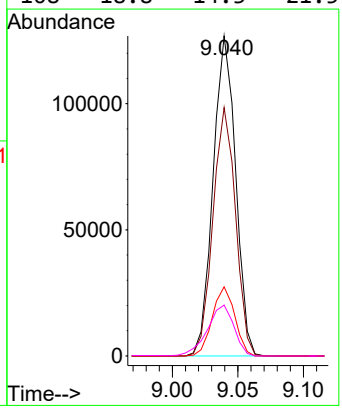


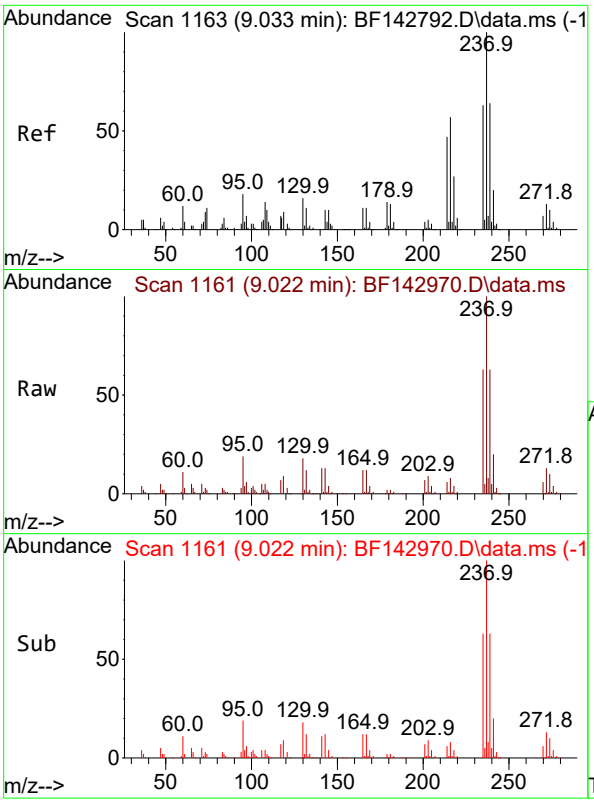


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.658 ng
RT: 9.040 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:216 Resp: 151415

Ion	Ratio	Lower	Upper
216	100		
214	77.7	63.7	95.5
179	21.5	17.6	26.4
108	18.8	14.3	21.5



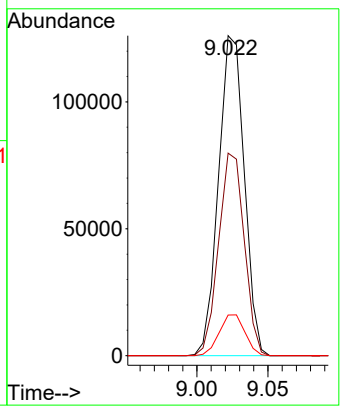


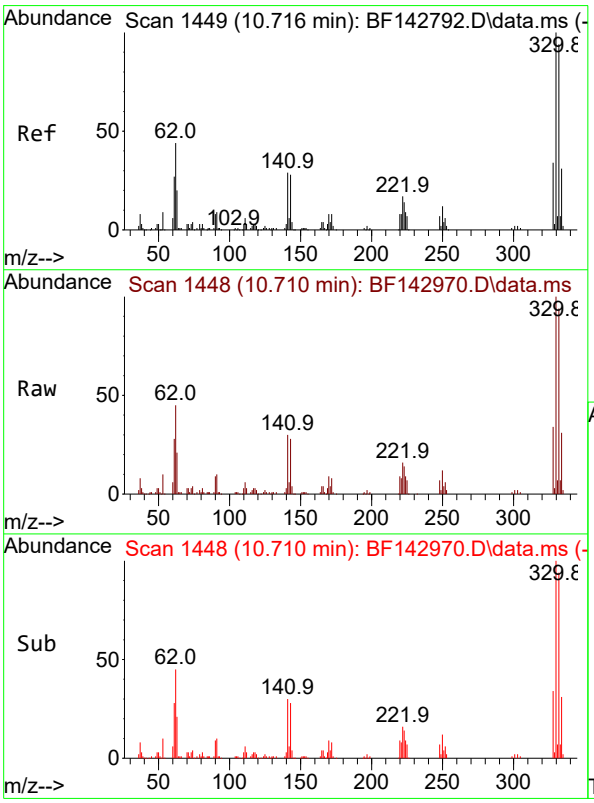
#41
Hexachlorocyclopentadiene
Concen: 88.241 ng
RT: 9.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:237 Resp: 159093

Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.4	83.4
272	12.7	0.0	32.7

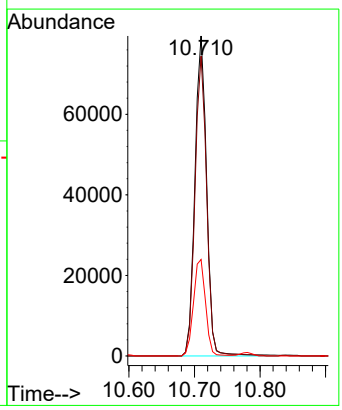


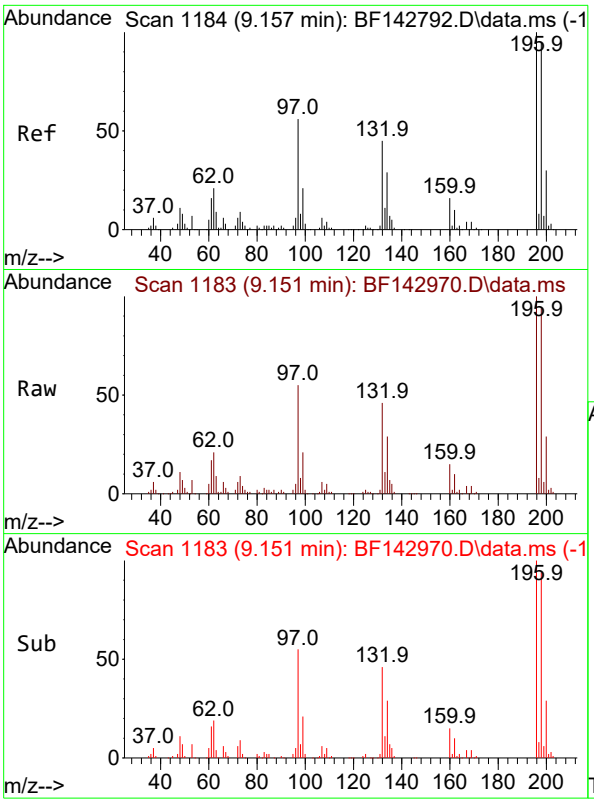


#42
2,4,6-Tribromophenol
Concen: 89.223 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:330 Resp: 98863

Ion	Ratio	Lower	Upper
330	100		
332	93.4	75.0	112.6
141	31.1	25.3	37.9



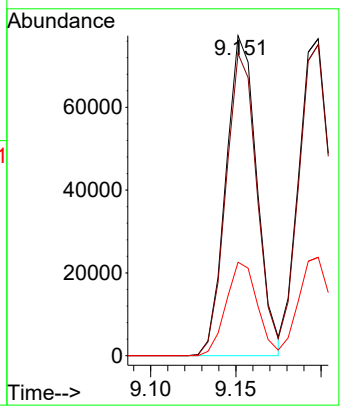


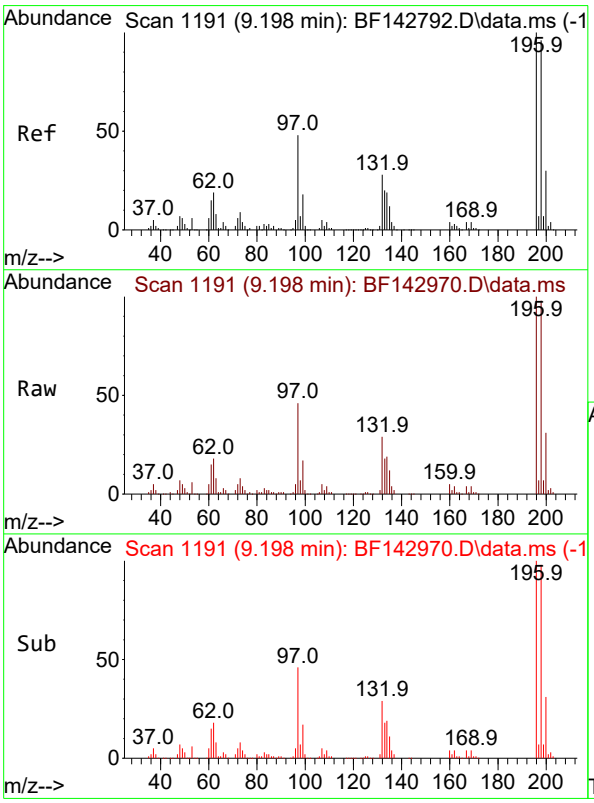
#43
2,4,6-Trichlorophenol
Concen: 47.292 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:196 Resp: 97907

Ion	Ratio	Lower	Upper
196	100		
198	94.4	76.2	114.2
200	29.2	24.1	36.1

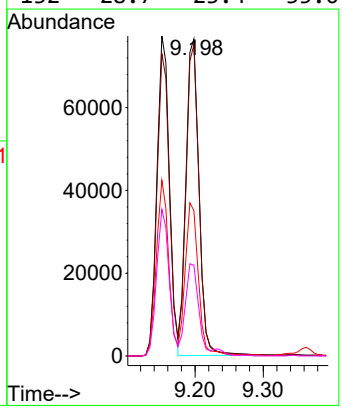


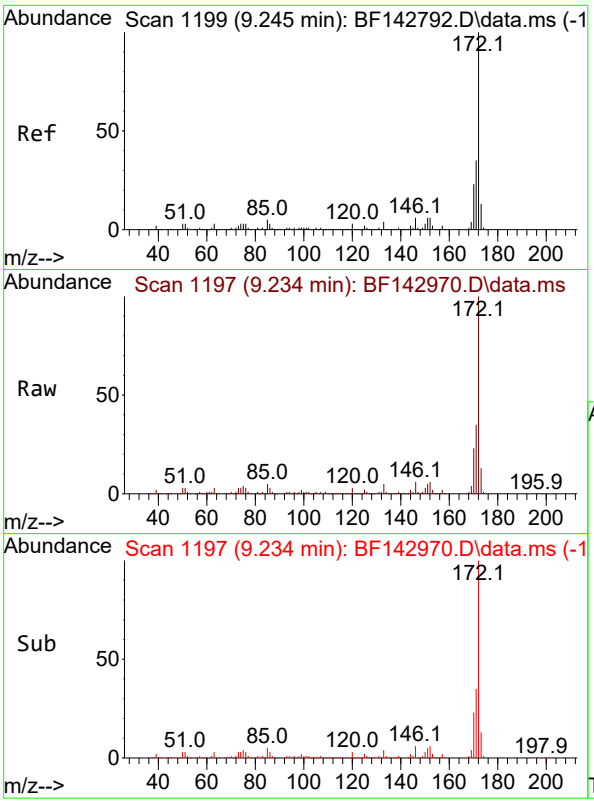


#44
2,4,5-Trichlorophenol
Concen: 46.506 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:196 Resp: 101353

Ion	Ratio	Lower	Upper
196	100		
198	98.1	76.6	115.0
97	45.9	38.2	57.2
132	28.7	23.4	35.0



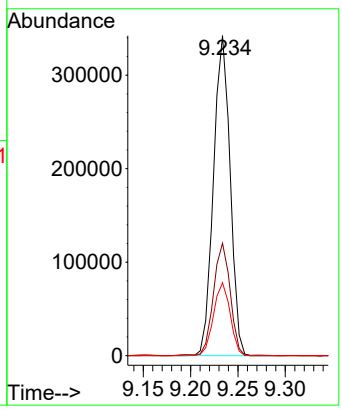


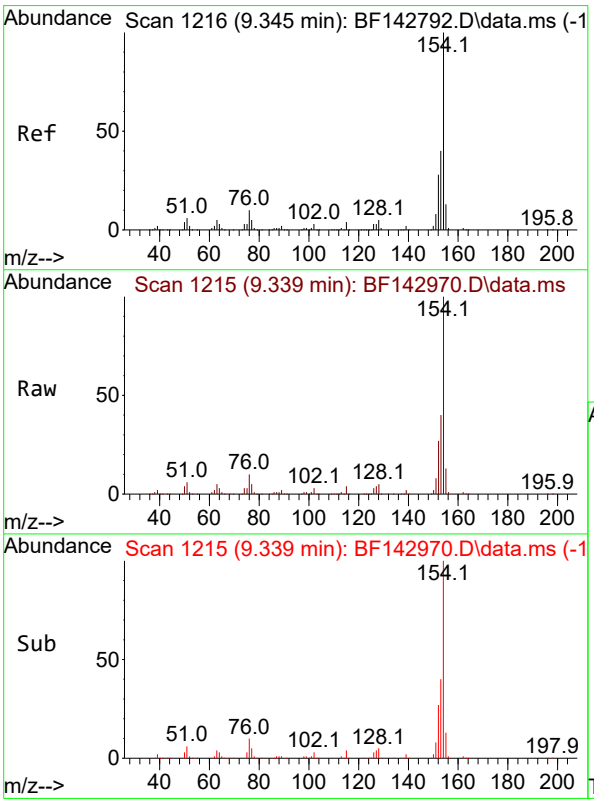
#45
2-Fluorobiphenyl
Concen: 51.075 ng
RT: 9.234 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:172 Resp: 418632

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.4
170	22.8	18.5	27.7

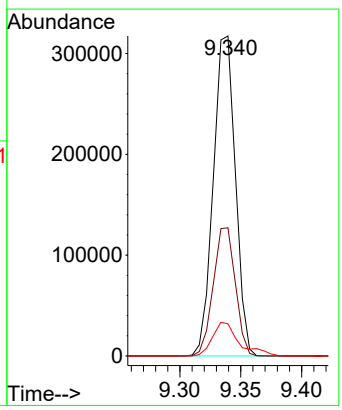


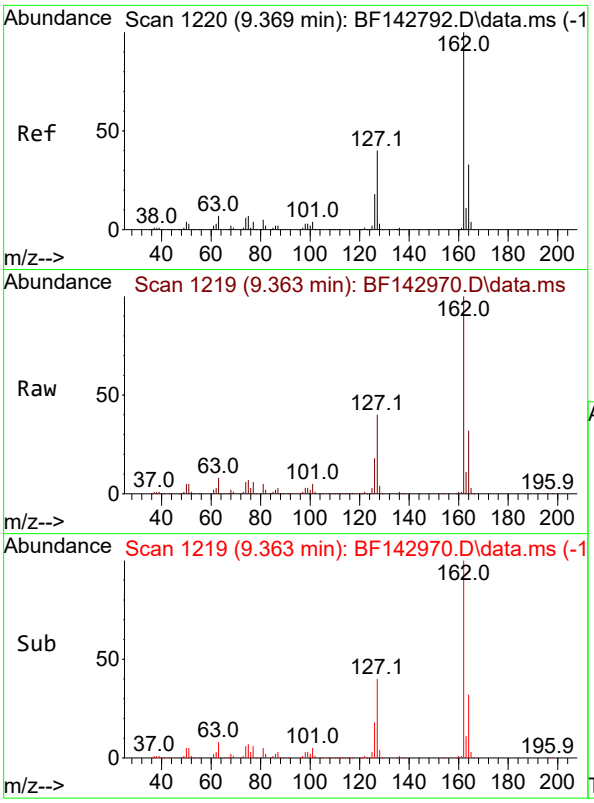


#46
1,1'-Biphenyl
Concen: 47.171 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:154 Resp: 401217

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.3	60.3
76	10.0	0.0	30.3



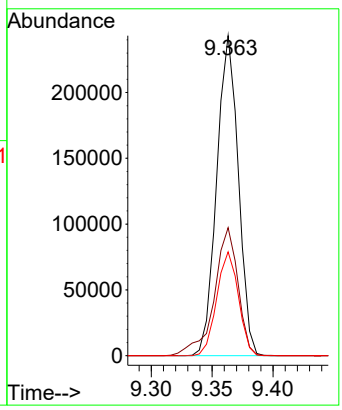


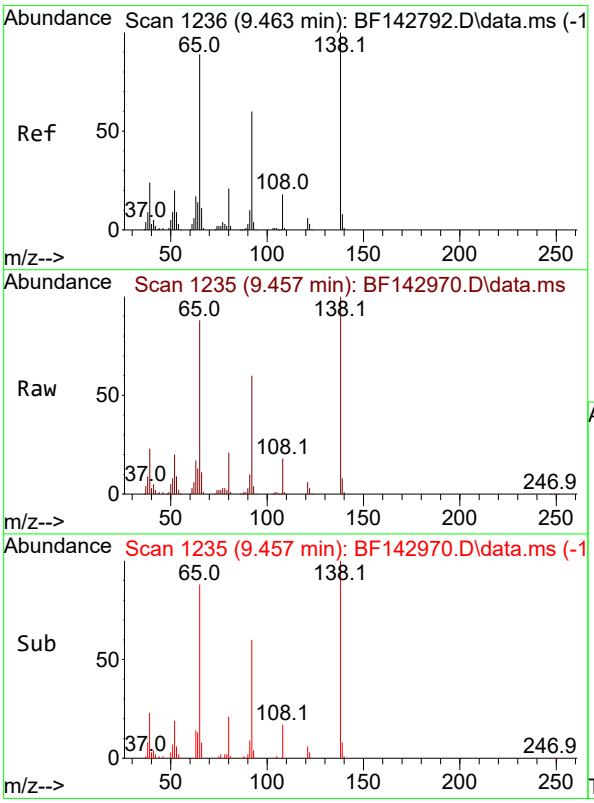
#47
2-Chloronaphthalene
Concen: 47.071 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:162 Resp: 300447

Ion	Ratio	Lower	Upper
162	100		
127	40.0	32.2	48.2
164	32.5	26.1	39.1

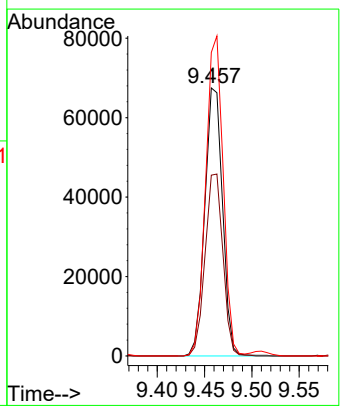


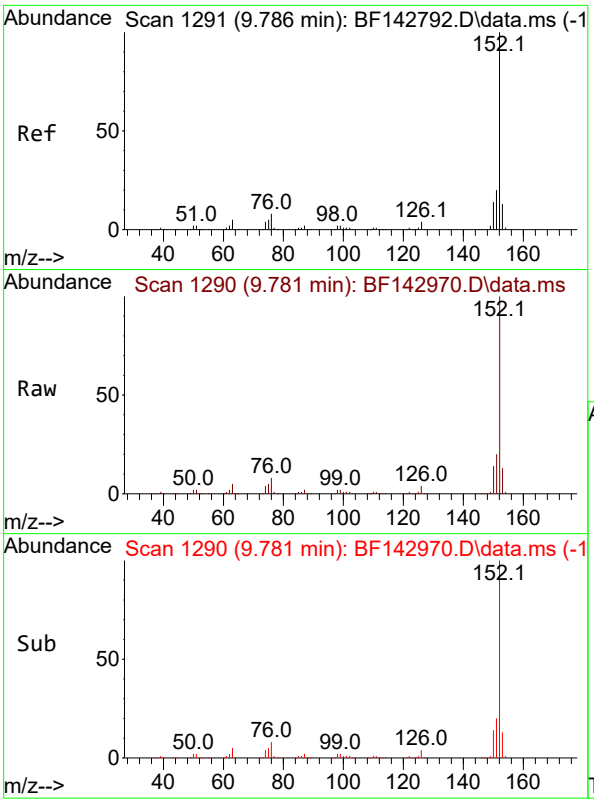


#48
2-Nitroaniline
Concen: 49.267 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion: 65 Resp: 88162

Ion	Ratio	Lower	Upper
65	100		
92	67.5	53.8	80.6
138	113.2	89.6	134.4



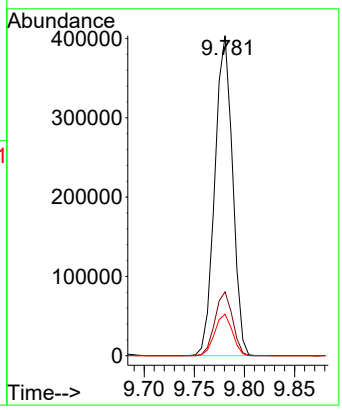


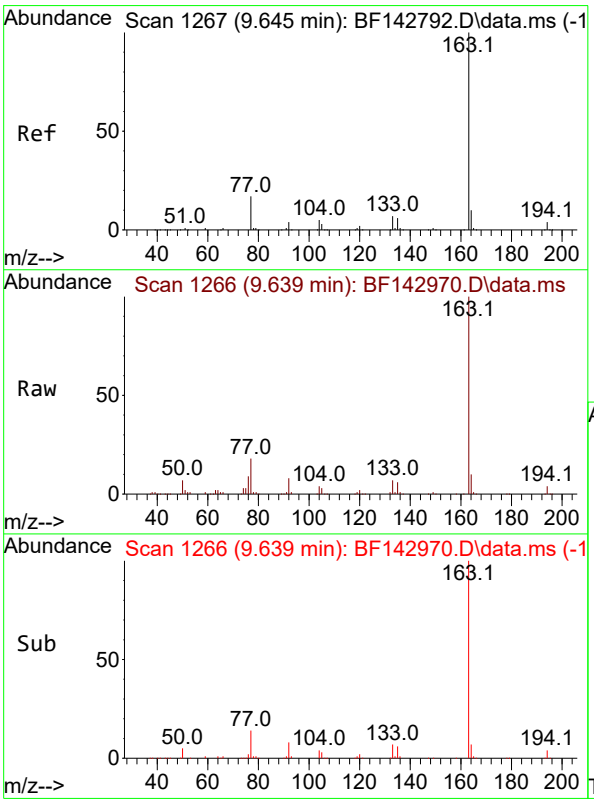
#49
Acenaphthylene
Concen: 47.188 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:152 Resp: 495833

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.1	24.1
153	12.9	10.4	15.6

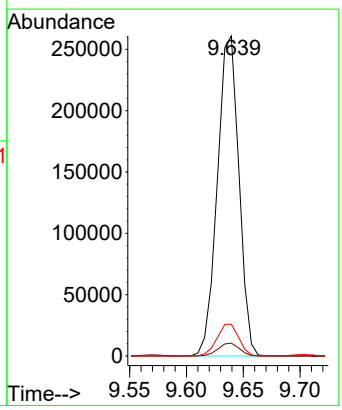


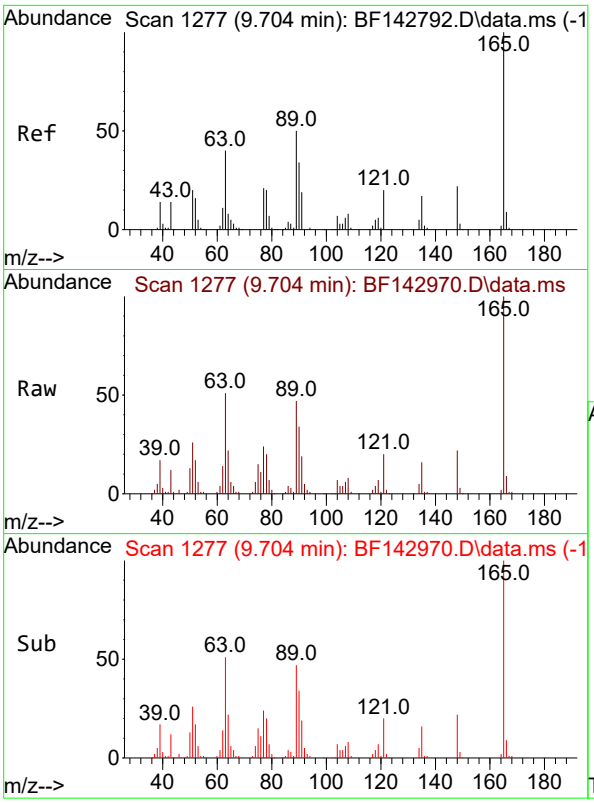


#50
Dimethylphthalate
Concen: 49.438 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:163 Resp: 344572

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.0	8.0	12.0



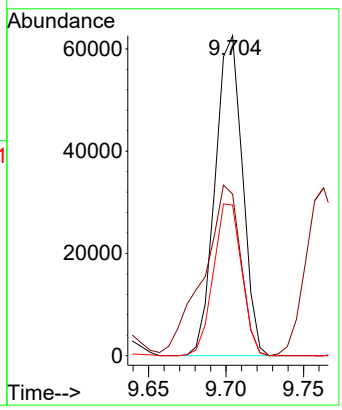


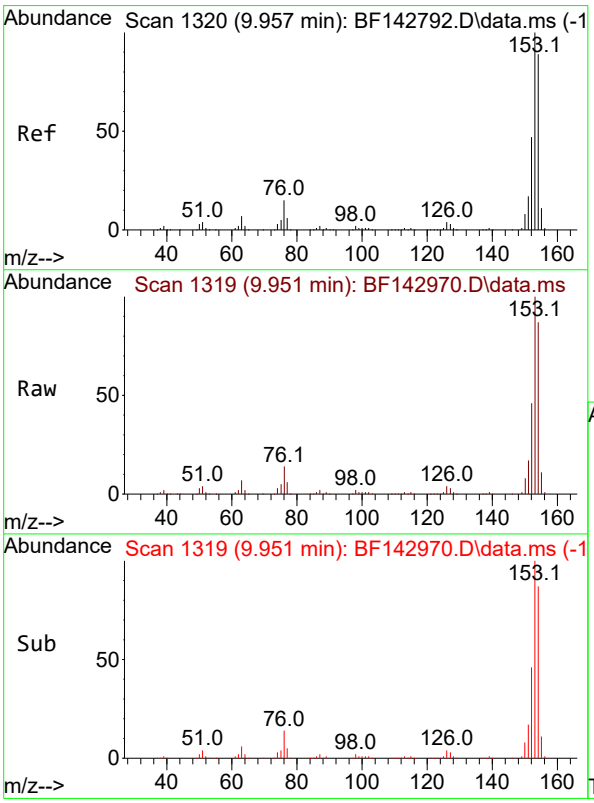
#51
2,6-Dinitrotoluene
Concen: 50.204 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:165 Resp: 76844

Ion	Ratio	Lower	Upper
165	100		
63	50.5	44.2	66.4
89	47.1	39.8	59.8

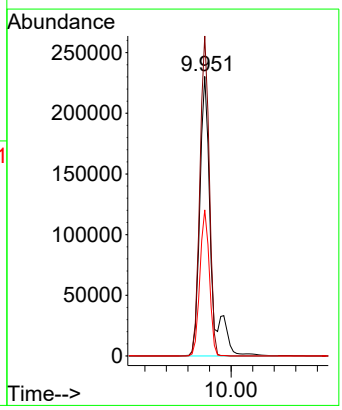


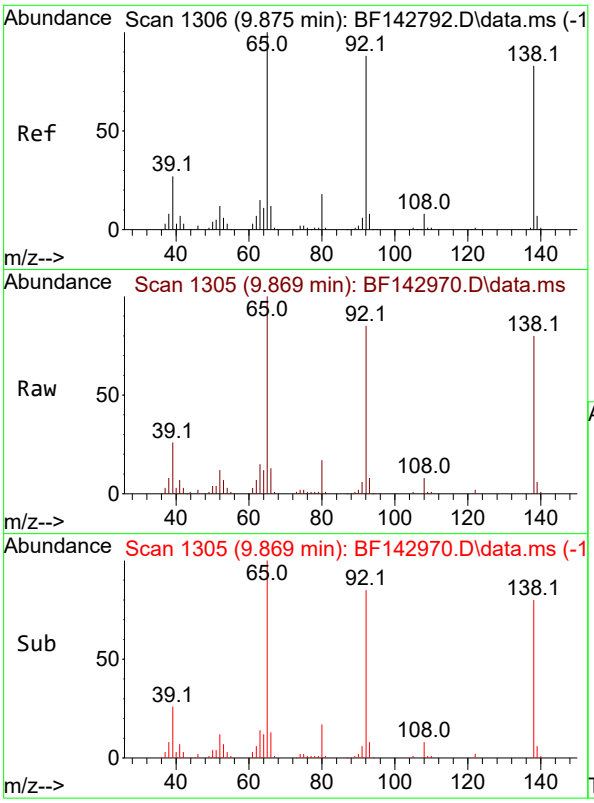


#52
Acenaphthene
Concen: 51.542 ng m
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:154 Resp: 330431

Ion	Ratio	Lower	Upper
154	100		
153	114.5	90.0	135.0
152	52.3	41.9	62.9



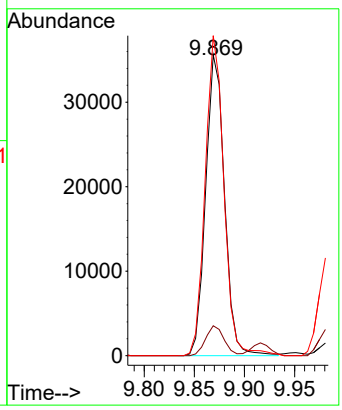


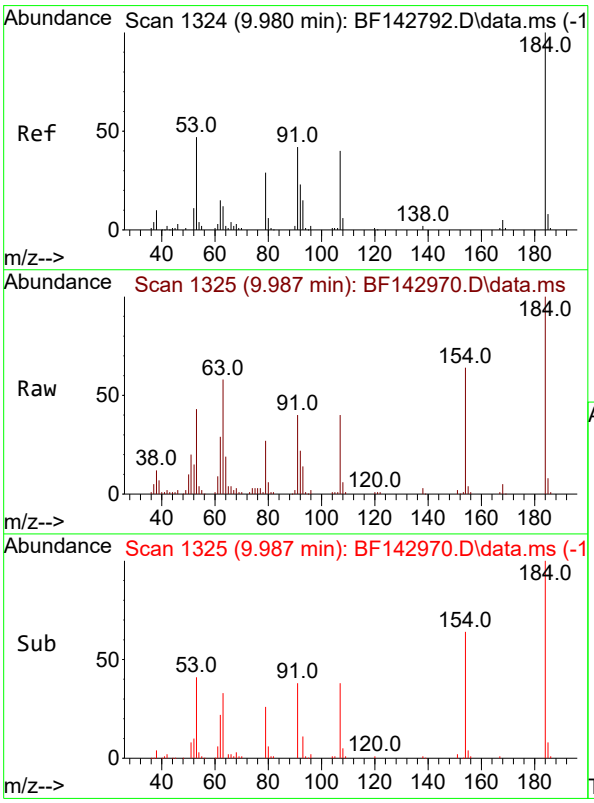
#53
3-Nitroaniline
Concen: 27.654 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:138 Resp: 46603

Ion	Ratio	Lower	Upper
138	100		
108	10.0	8.1	12.1
92	106.4	85.1	127.7

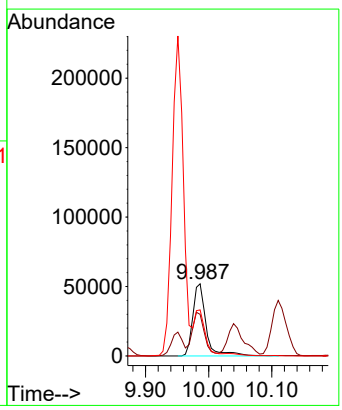


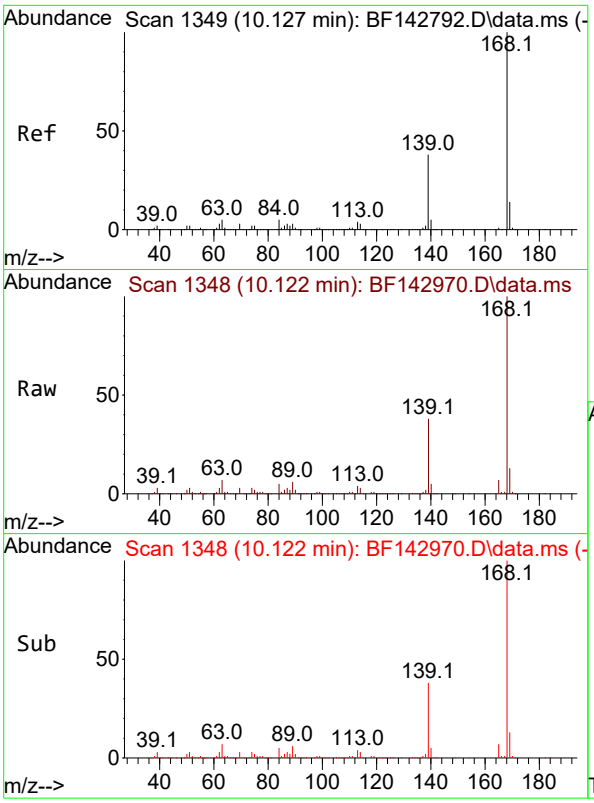


#54
2,4-Dinitrophenol
Concen: 99.655 ng
RT: 9.987 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:184 Resp: 76377

Ion	Ratio	Lower	Upper
184	100		
63	57.6	50.6	75.8
154	63.8	51.8	77.8



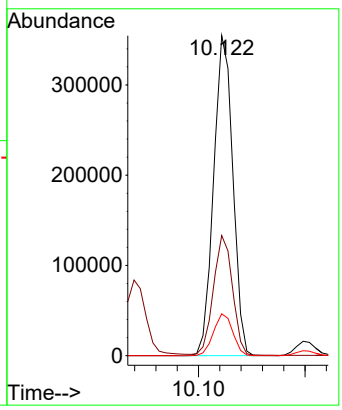


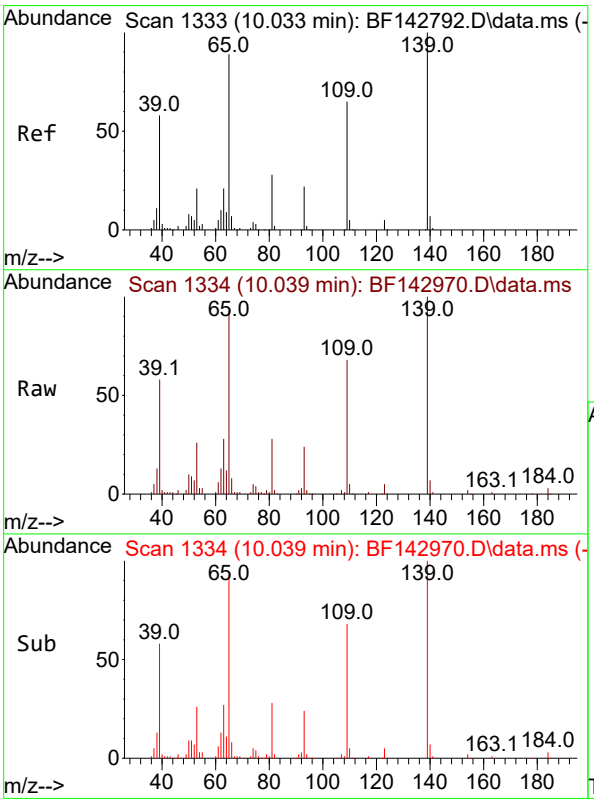
#55
Dibenzofuran
Concen: 48.225 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:168 Resp: 443336

Ion	Ratio	Lower	Upper
168	100		
139	37.5	30.2	45.4
169	13.1	10.8	16.2

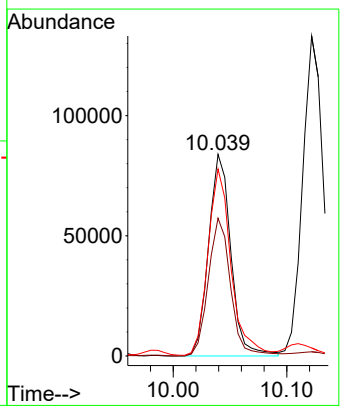


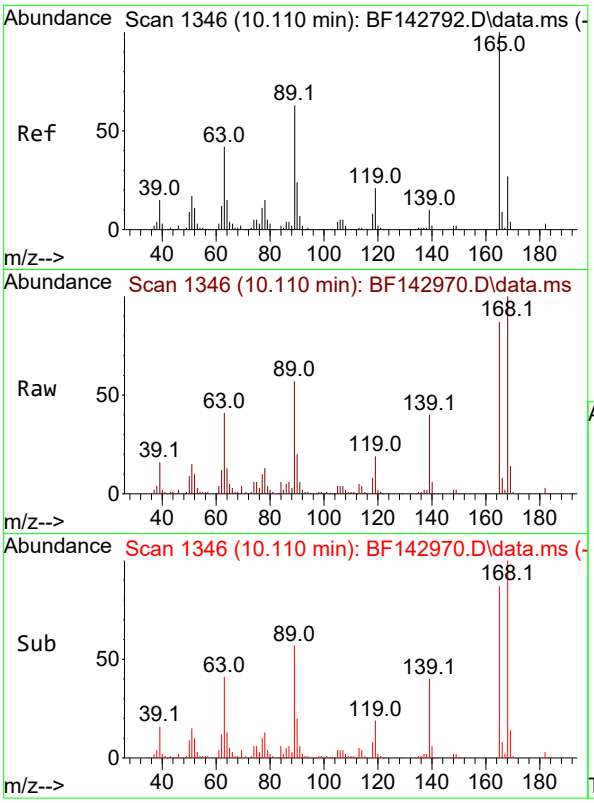


#56
4-Nitrophenol
Concen: 99.242 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:139 Resp: 114497

Ion	Ratio	Lower	Upper
139	100		
109	68.4	44.7	84.7
65	92.8	69.8	109.8



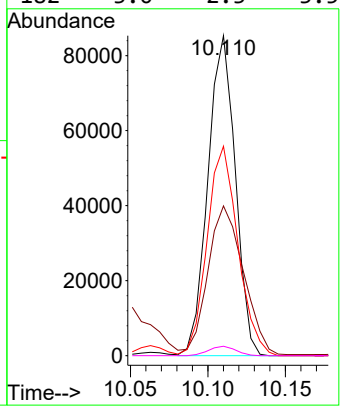


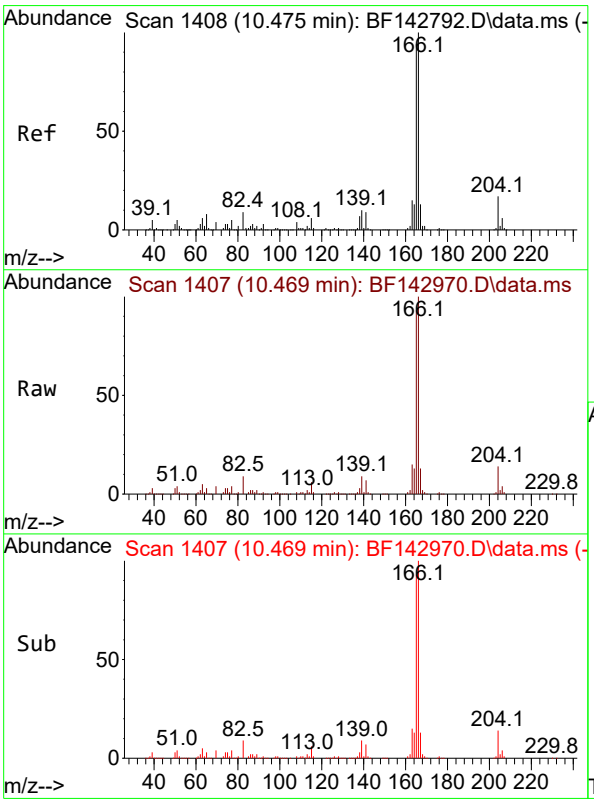
#57
2,4-Dinitrotoluene
Concen: 51.617 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:165 Resp: 104944

Ion	Ratio	Lower	Upper
165	100		
63	46.8	33.9	50.9
89	65.4	50.6	75.8
182	3.0	2.3	3.5

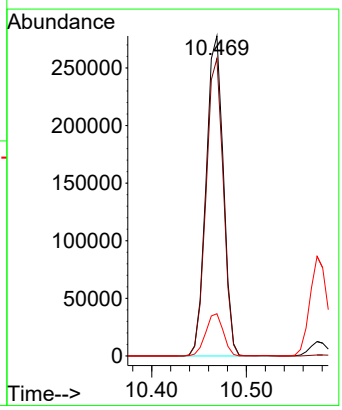


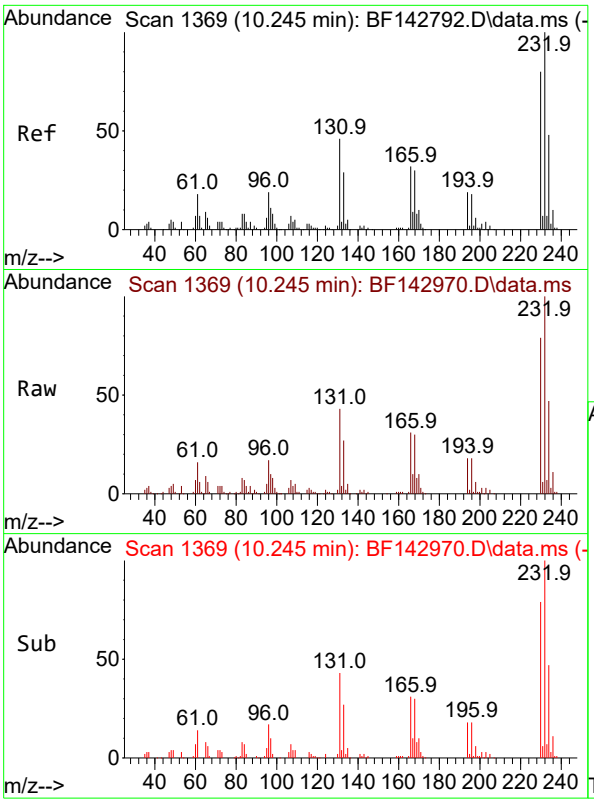


#58
Fluorene
Concen: 48.915 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:166 Resp: 351193

Ion	Ratio	Lower	Upper
166	100		
165	93.0	75.2	112.8
167	13.2	10.6	15.8



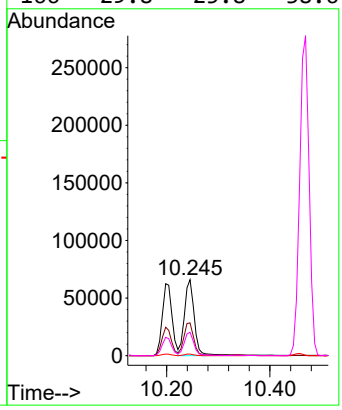


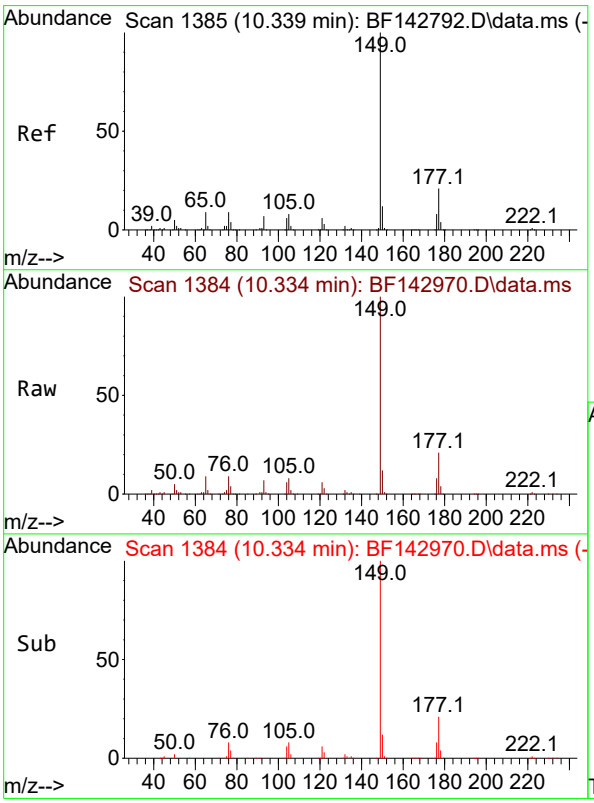
#59
2,3,4,6-Tetrachlorophenol
Concen: 49.883 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:232 Resp: 87628

Ion	Ratio	Lower	Upper
232	100		
131	42.7	37.6	56.4
130	2.1	1.7	2.5
166	29.8	25.8	38.6

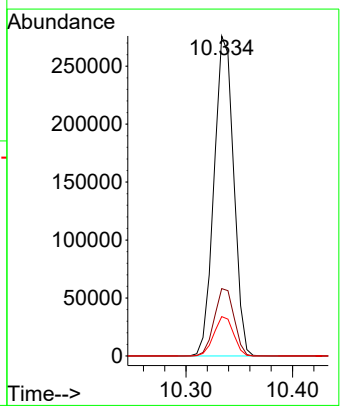


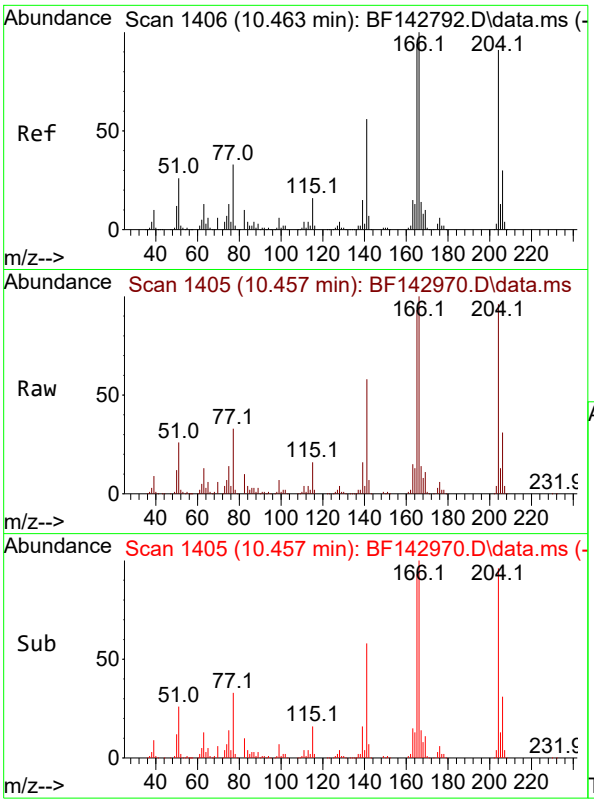


#60
Diethylphthalate
Concen: 51.659 ng
RT: 10.334 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:149 Resp: 353027

Ion	Ratio	Lower	Upper
149	100		
177	21.0	17.0	25.6
150	12.3	9.8	14.6



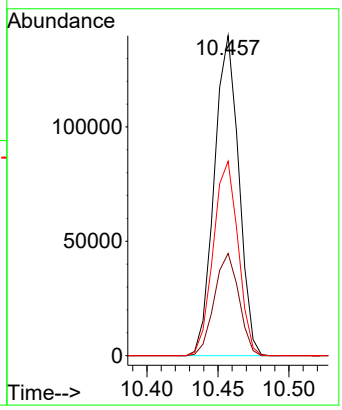


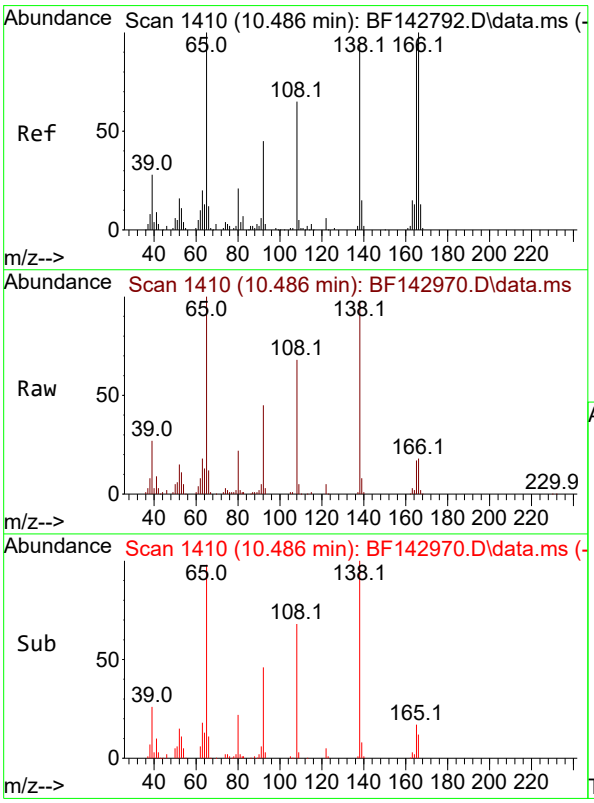
#61
4-Chlorophenyl-phenylether
Concen: 49.041 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:204 Resp: 168016

Ion	Ratio	Lower	Upper
204	100		
206	31.9	26.3	39.5
141	60.7	49.1	73.7

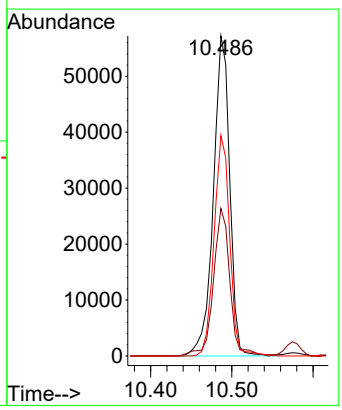


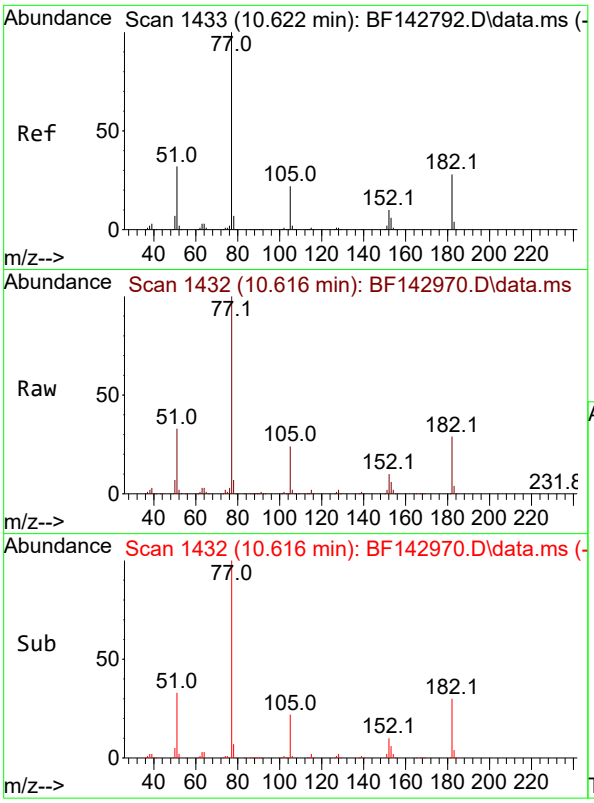


#62
4-Nitroaniline
Concen: 52.153 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:138 Resp: 80381

Ion	Ratio	Lower	Upper
138	100		
92	46.1	28.4	68.4
108	68.9	50.2	90.2



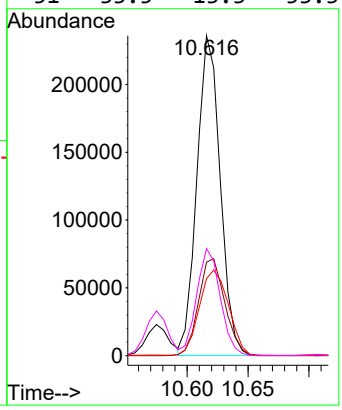


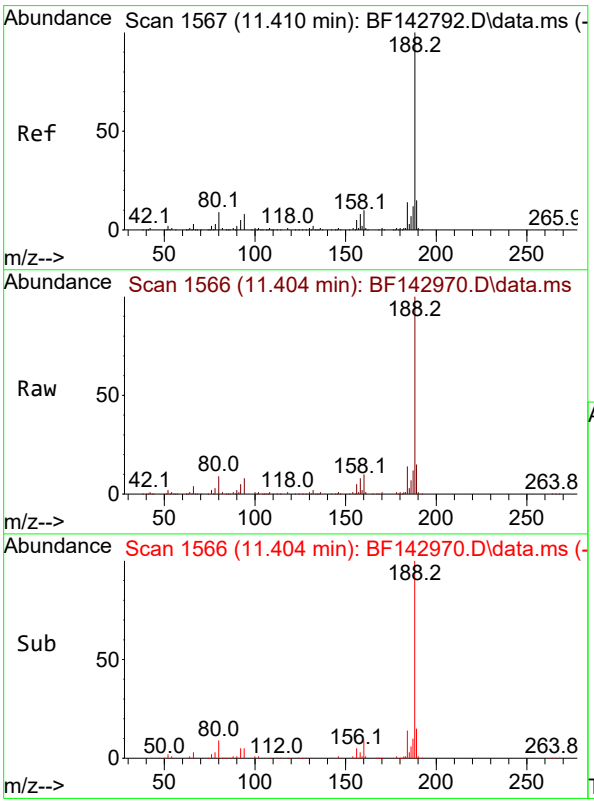
#63
Azobenzene
Concen: 51.503 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion: 77 Resp: 314566

Ion	Ratio	Lower	Upper
77	100		
182	29.3	7.7	47.7
105	24.1	1.9	41.9
51	33.5	13.3	53.3

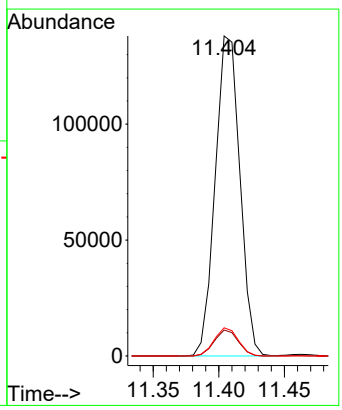


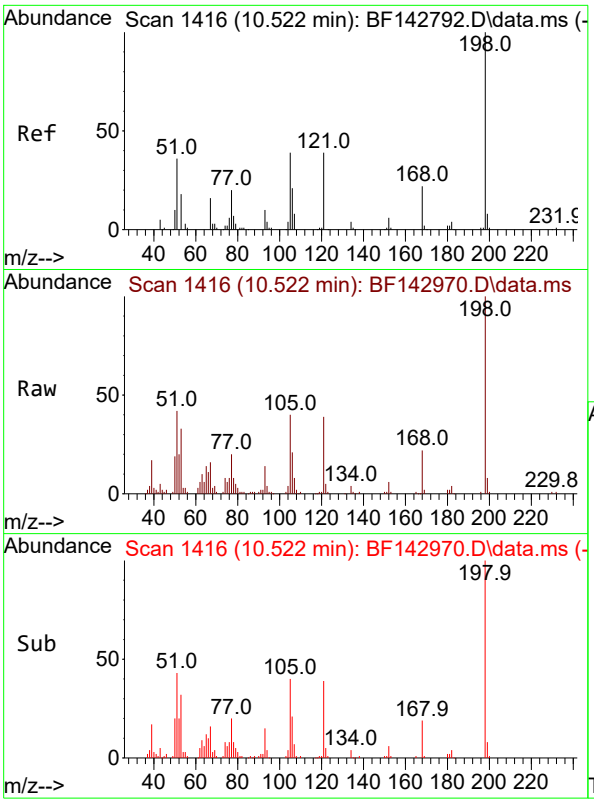


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:188 Resp: 180519

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.7	10.1
80	8.8	6.9	10.3



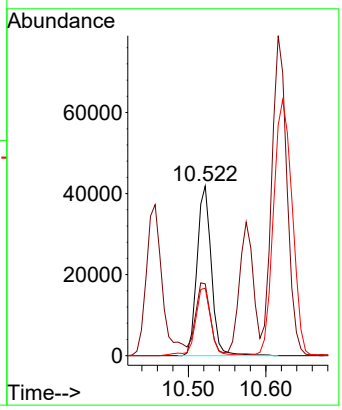


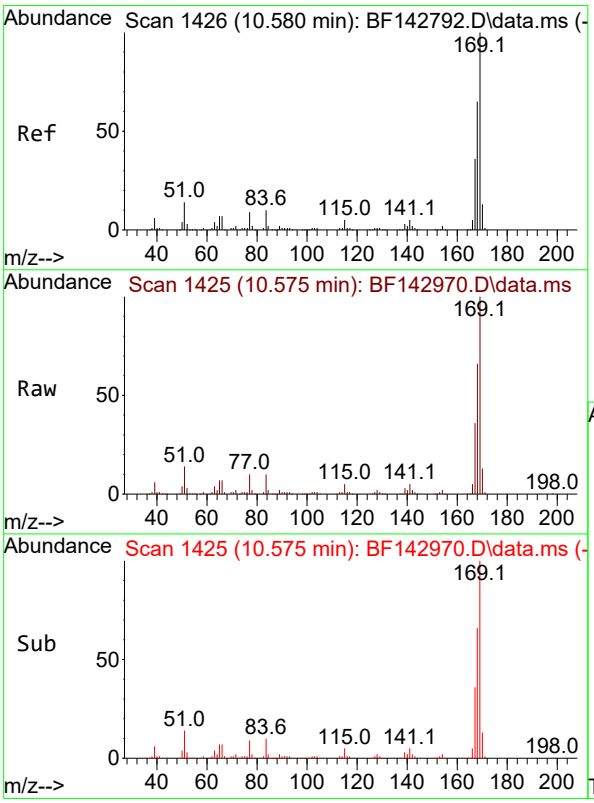
#65
4,6-Dinitro-2-methylphenol
Concen: 49.058 ng
RT: 10.522 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:198 Resp: 53566

Ion	Ratio	Lower	Upper
198	100		
51	42.3	25.4	65.4
105	39.7	20.4	60.4

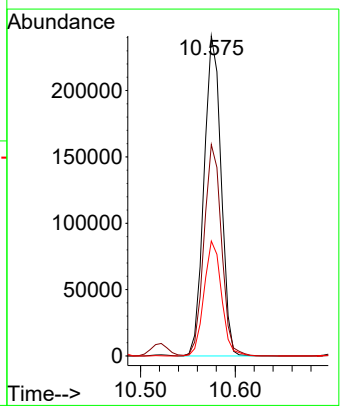


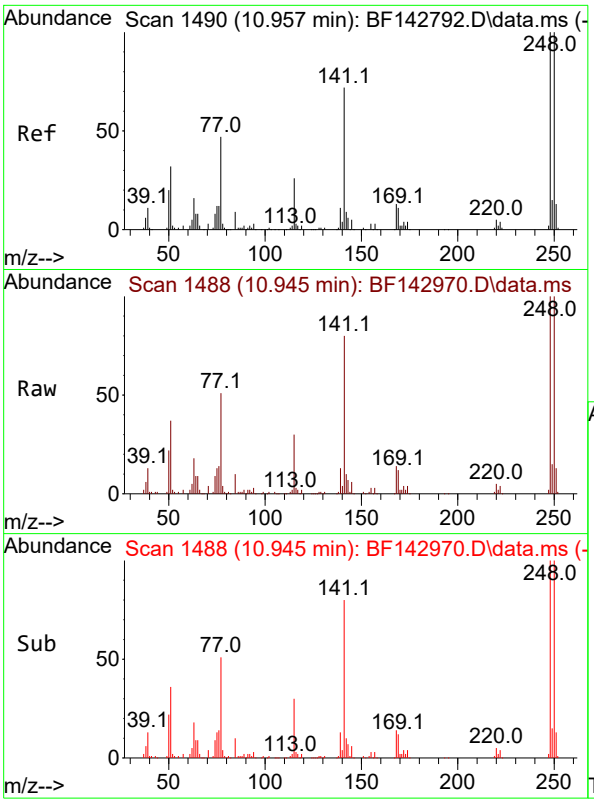


#66
n-Nitrosodiphenylamine
Concen: 48.057 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:169 Resp: 300659

Ion	Ratio	Lower	Upper
169	100		
168	66.0	51.9	77.9
167	35.9	28.5	42.7



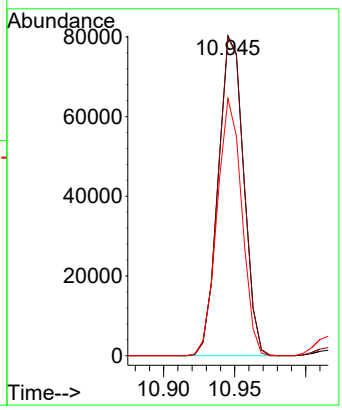


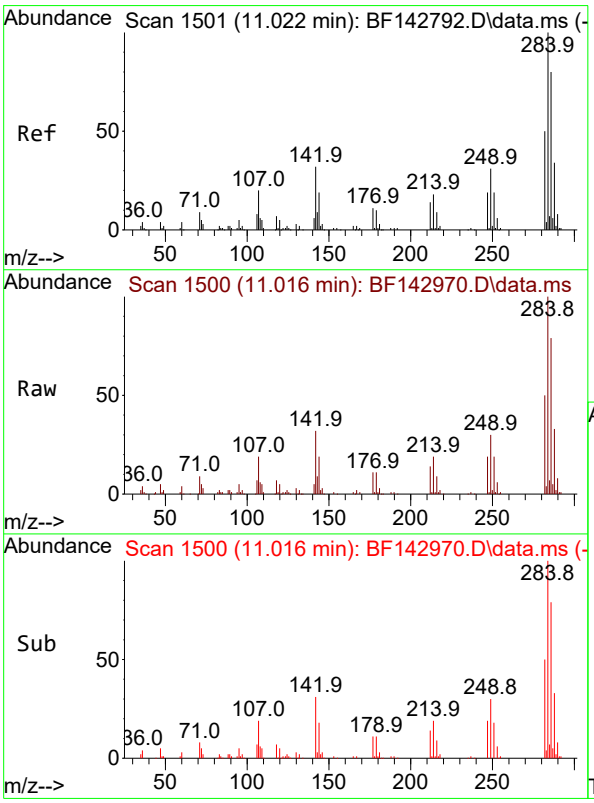
#67
4-Bromophenyl-phenylether
Concen: 48.667 ng
RT: 10.945 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:248 Resp: 99985

Ion	Ratio	Lower	Upper
248	100		
250	99.6	79.8	119.8
141	80.3	57.8	86.6

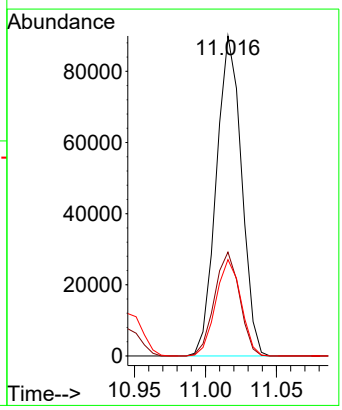


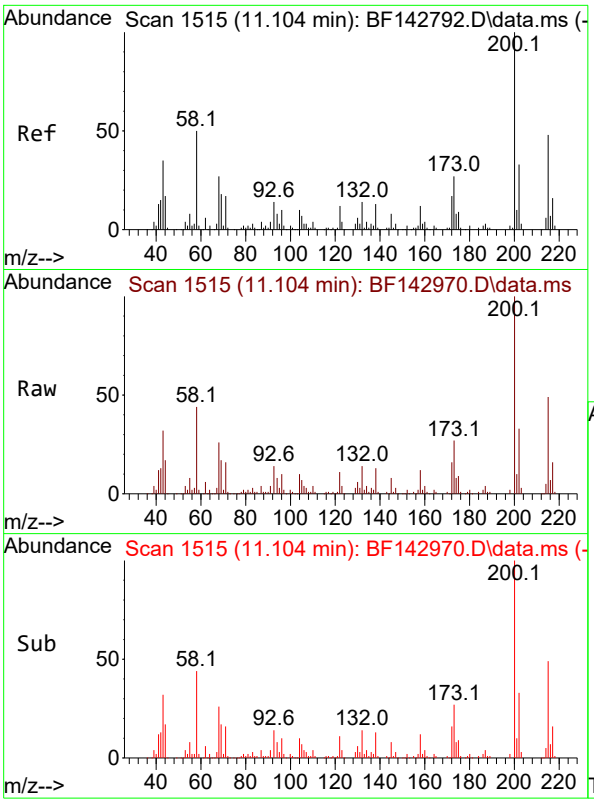


#68
Hexachlorobenzene
Concen: 48.651 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:284 Resp: 111064

Ion	Ratio	Lower	Upper
284	100		
142	32.4	25.5	38.3
249	30.1	24.9	37.3



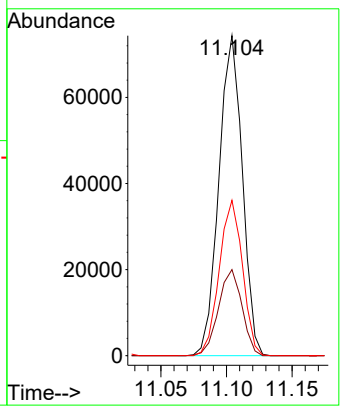


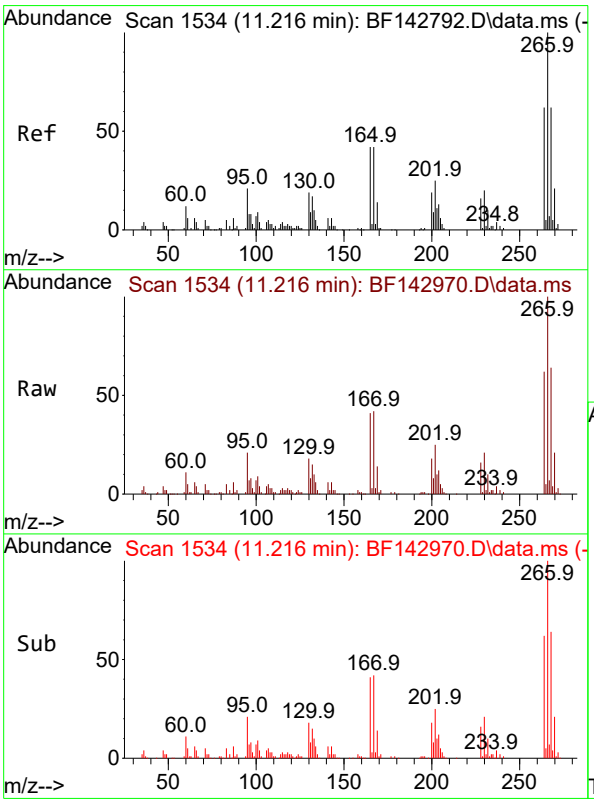
#69
Atrazine
Concen: 57.059 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:200 Resp: 92183

Ion	Ratio	Lower	Upper
200	100		
173	26.9	7.4	47.4
215	48.5	28.4	68.4

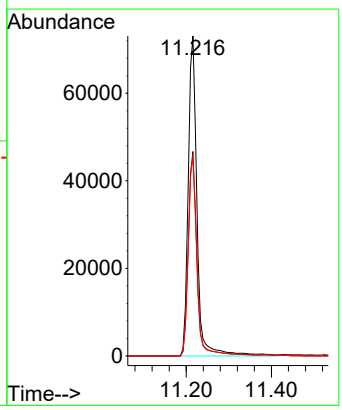


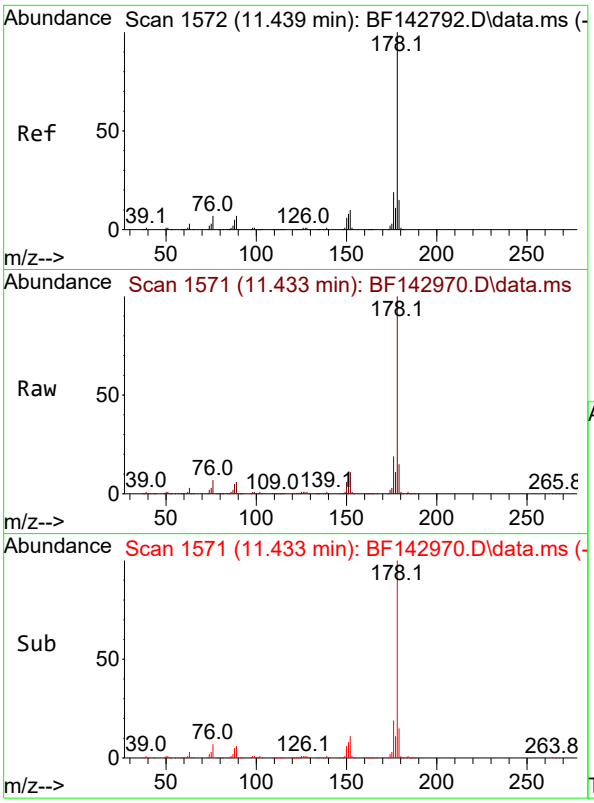


#70
Pentachlorophenol
Concen: 92.386 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:266 Resp: 105094

Ion	Ratio	Lower	Upper
266	100		
268	63.9	49.8	74.8
264	62.2	49.9	74.9



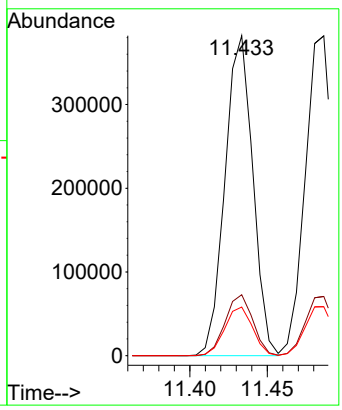


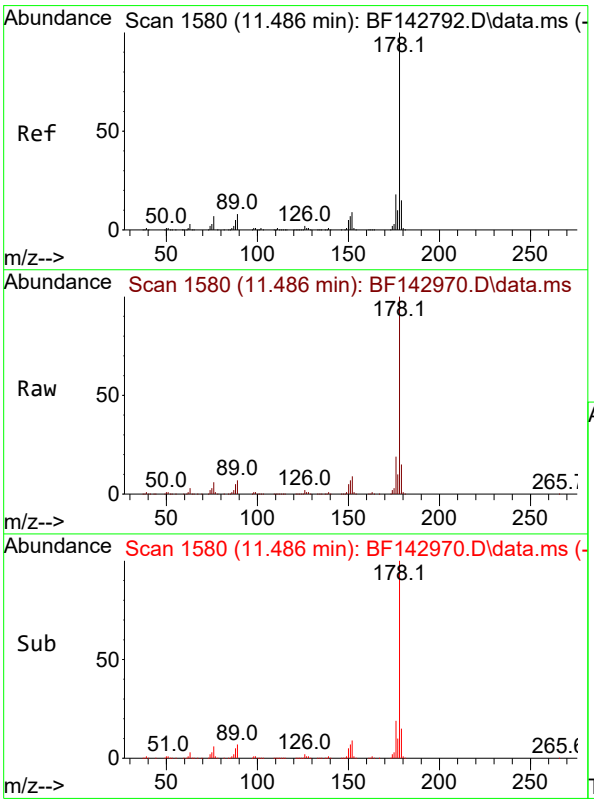
#71
Phenanthrene
Concen: 48.839 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:178 Resp: 477581

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.1	22.7
179	15.2	12.0	18.0

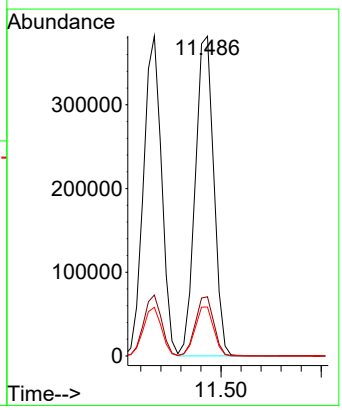


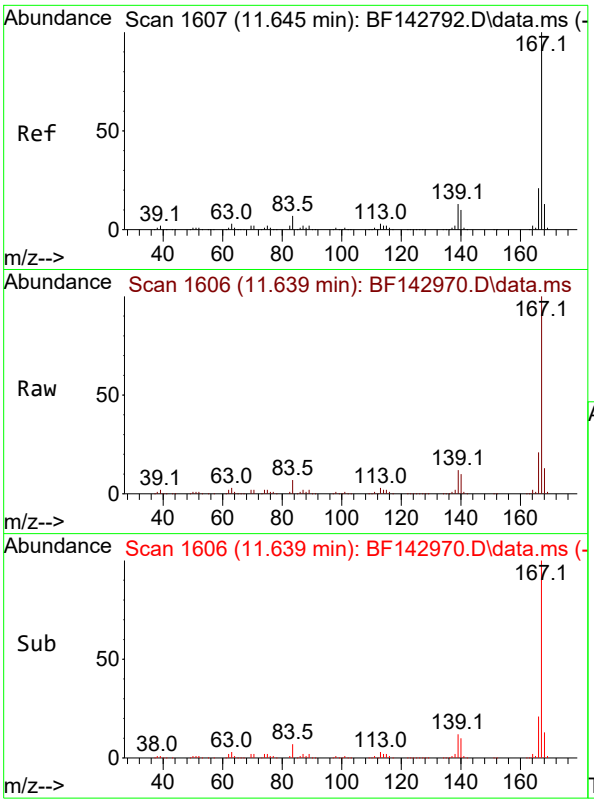


#72
Anthracene
Concen: 48.768 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:178 Resp: 489090

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	21.8
179	15.3	12.4	18.6



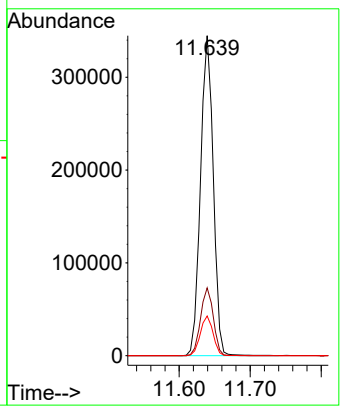


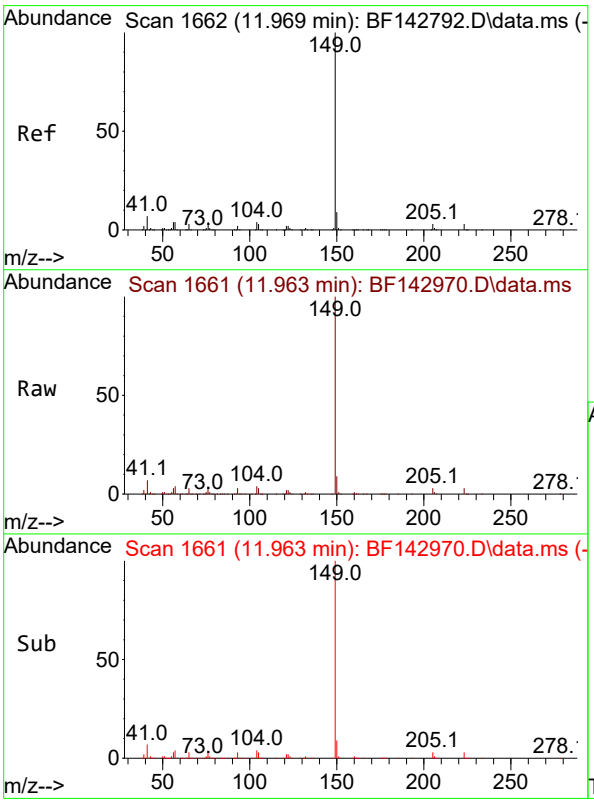
#73
Carbazole
Concen: 49.887 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:167 Resp: 431756

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.4
139	12.4	10.2	15.2

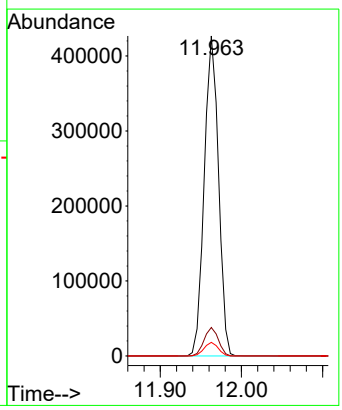


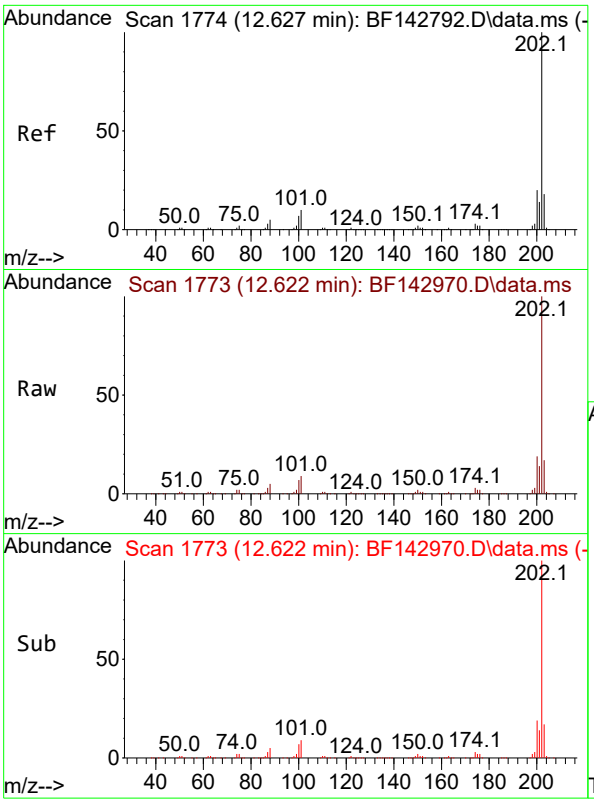


#74
Di-n-butylphthalate
Concen: 57.554 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:149 Resp: 518905

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.4	11.0
104	4.3	3.5	5.3



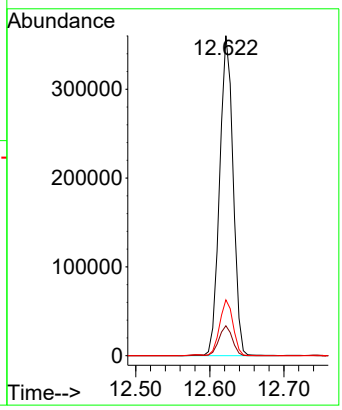


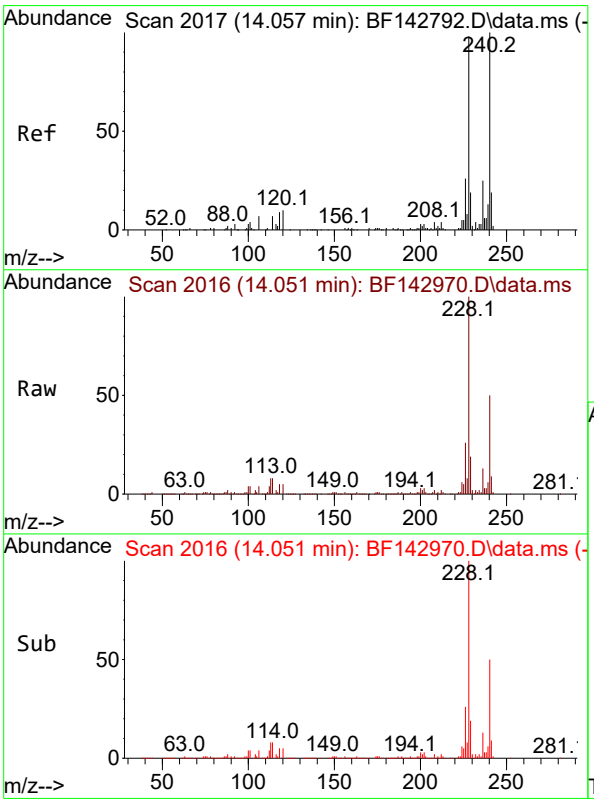
#75
Fluoranthene
Concen: 49.186 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:202 Resp: 456472

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	29.7
203	17.4	0.0	37.5

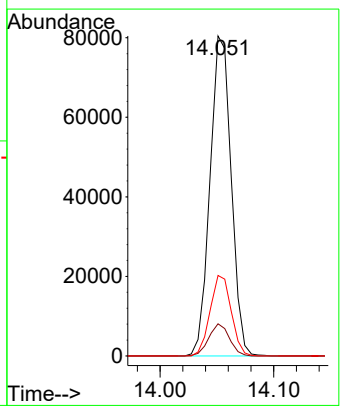


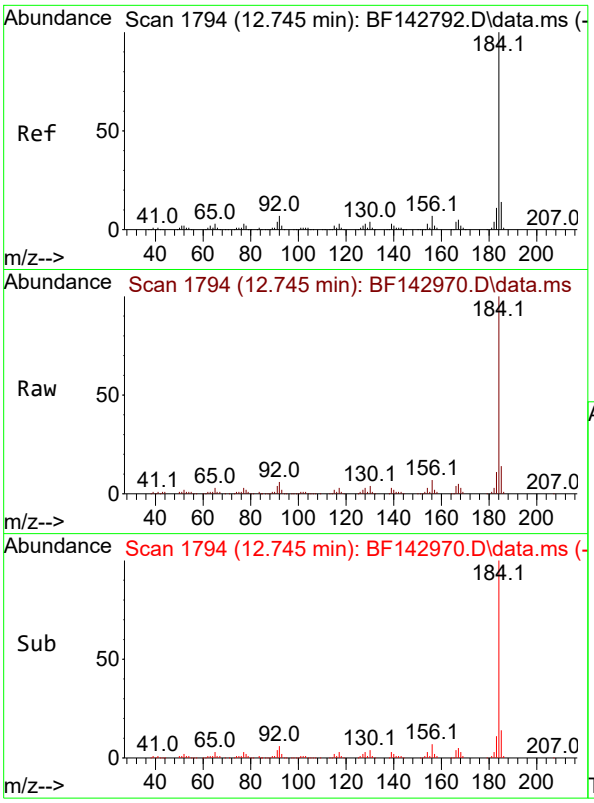


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:240 Resp: 104217

Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.2	12.2
236	25.1	19.8	29.8



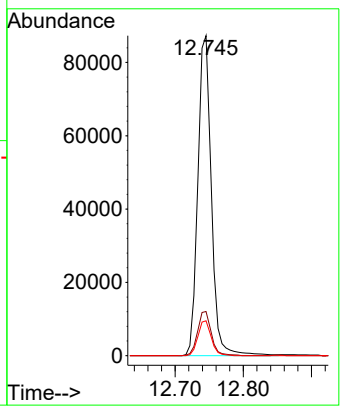


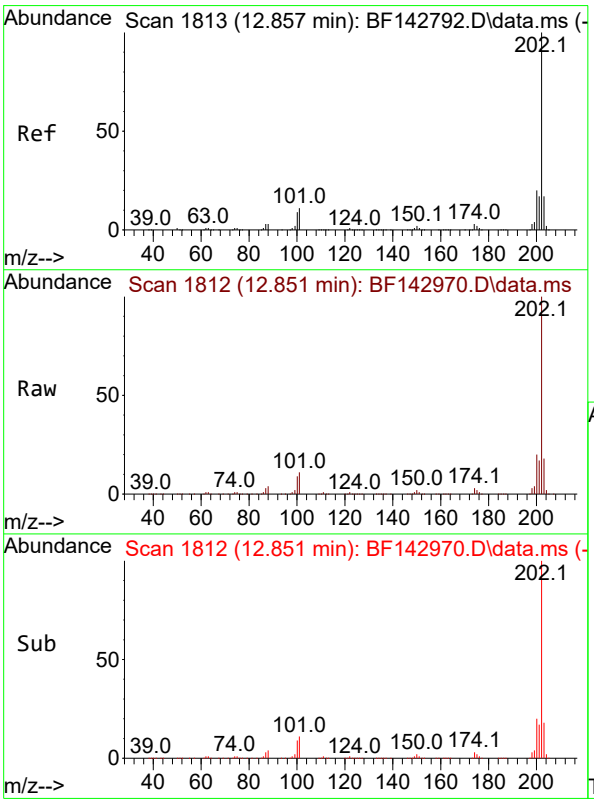
#77
Benzidine
Concen: 30.706 ng
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:184 Resp: 120231

Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.5	17.3
183	10.9	9.0	13.4

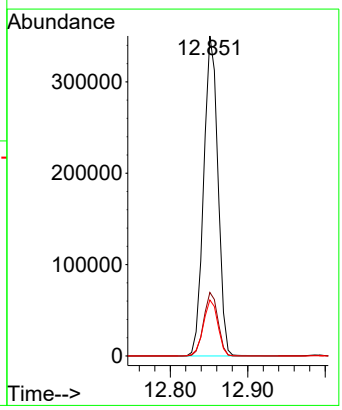


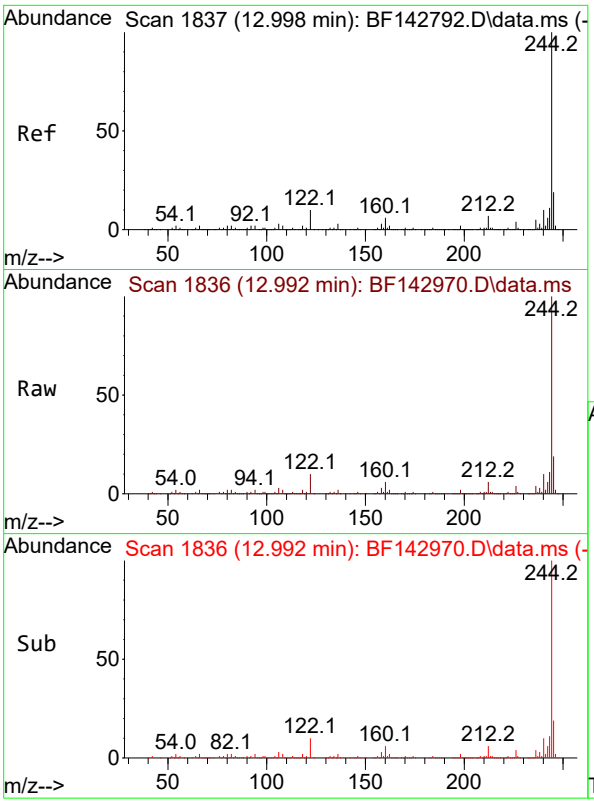


#78
Pyrene
Concen: 45.717 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:202 Resp: 446599

Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.7	23.5
203	17.5	13.8	20.6



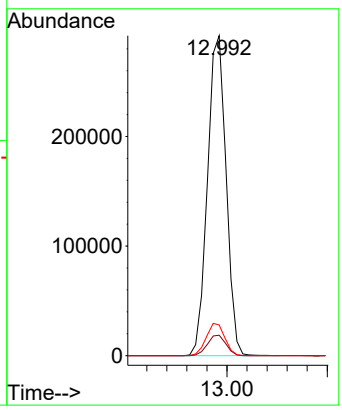


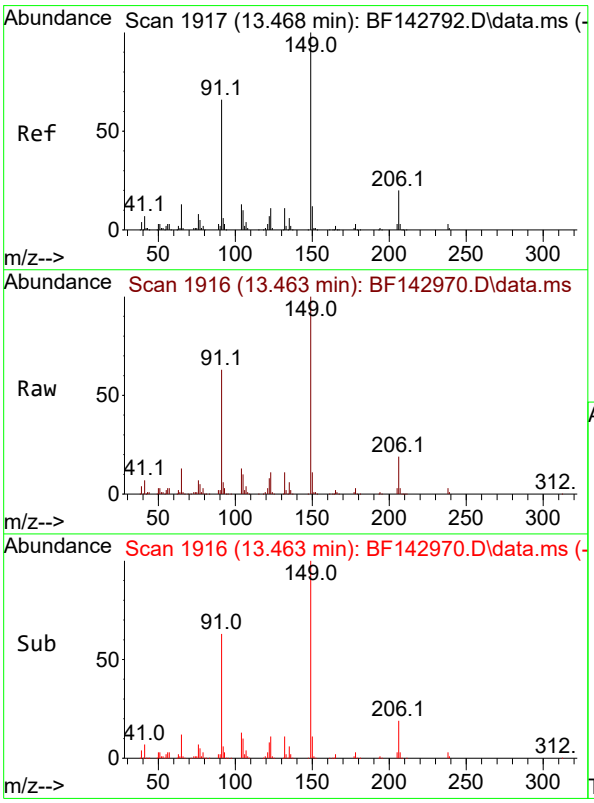
#79
Terphenyl-d14
Concen: 50.027 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:244 Resp: 377340

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	9.6	8.2	12.2

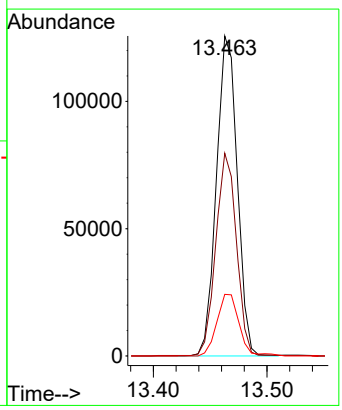


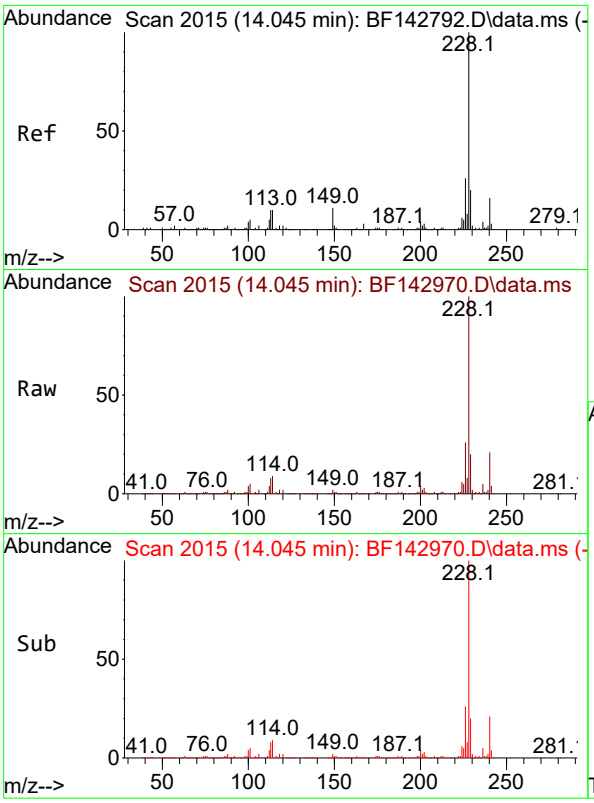


#80
Butylbenzylphthalate
Concen: 56.593 ng
RT: 13.463 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:149 Resp: 160365

Ion	Ratio	Lower	Upper
149	100		
91	63.4	52.9	79.3
206	19.2	16.3	24.5



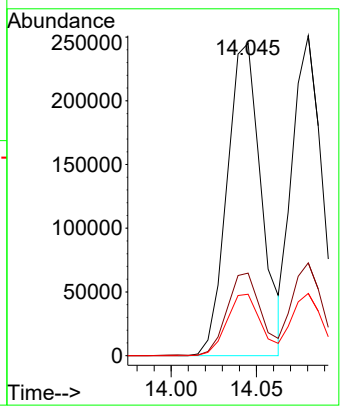


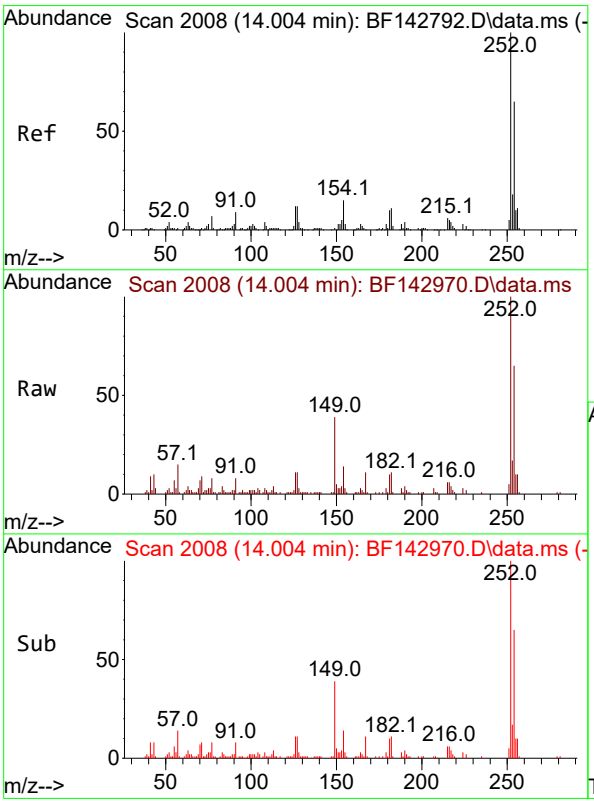
#81
Benzo(a)anthracene
Concen: 48.756 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:228 Resp: 342784

Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.2	31.8
229	19.7	15.6	23.4

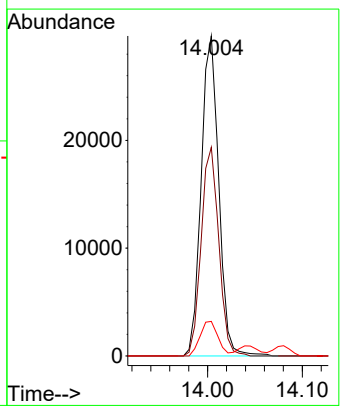


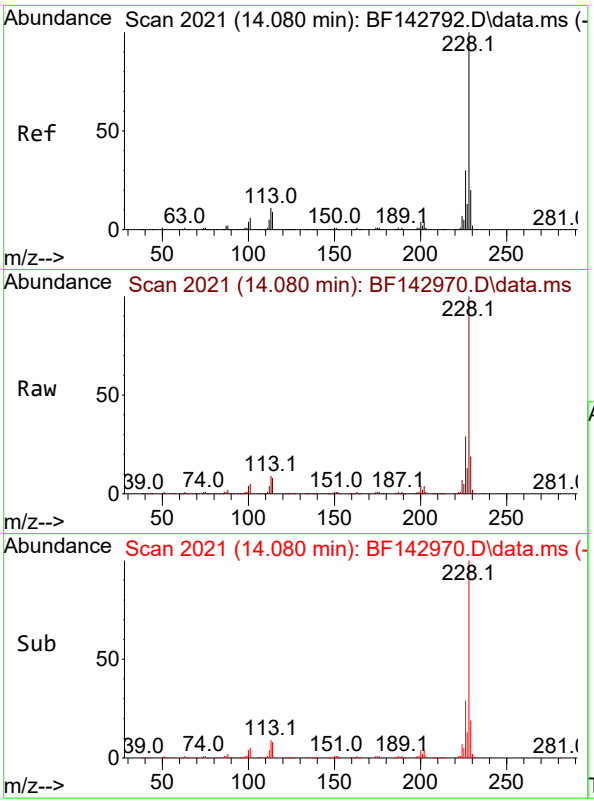


#82
3,3'-Dichlorobenzidine
Concen: 16.796 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:252 Resp: 38302

Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.7	77.5
126	10.8	9.4	14.2



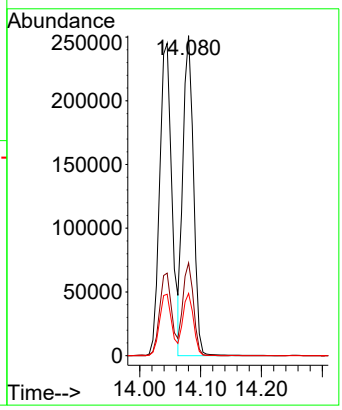


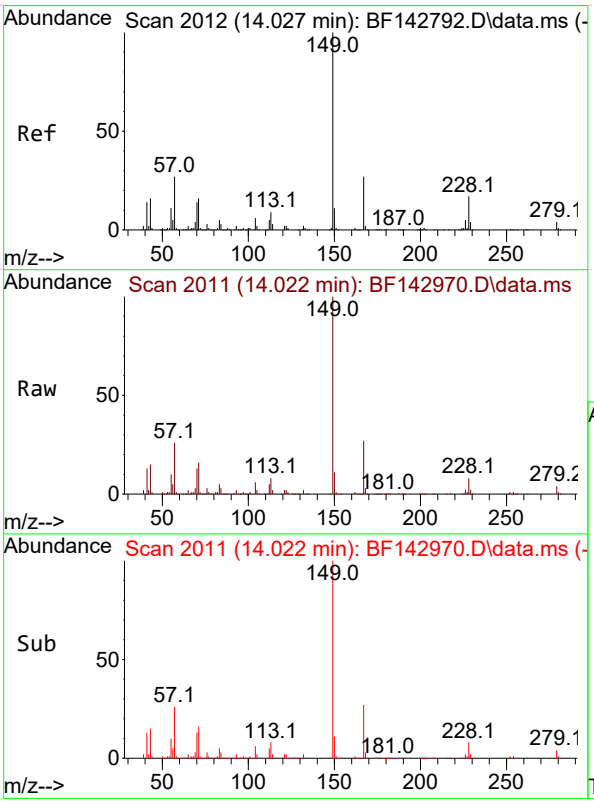
#83
Chrysene
Concen: 48.447 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:228 Resp: 303931

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.7	35.5
229	19.5	15.7	23.5

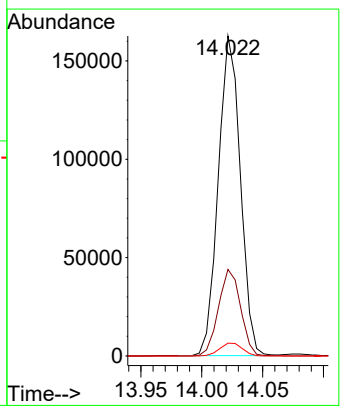


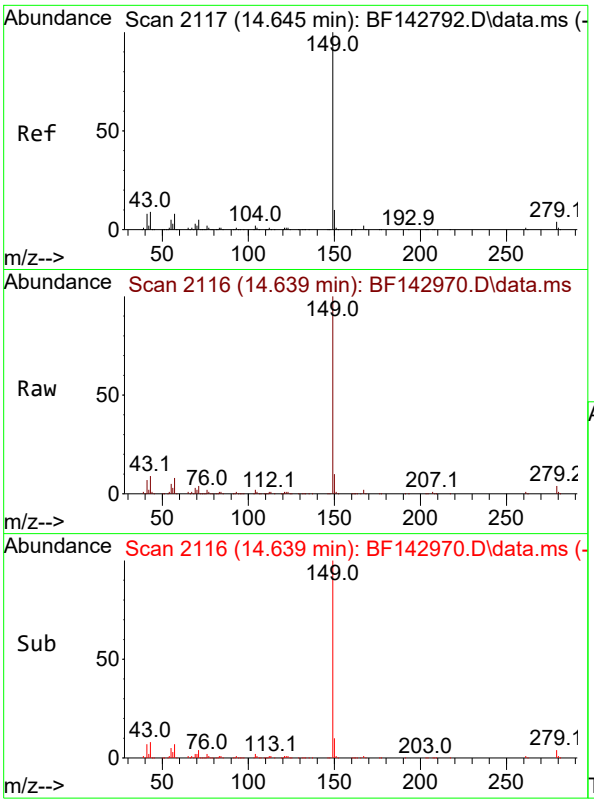


#84
Bis(2-ethylhexyl)phthalate
Concen: 50.284 ng
RT: 14.022 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:149 Resp: 205005

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.4	32.0
279	4.0	3.0	4.6



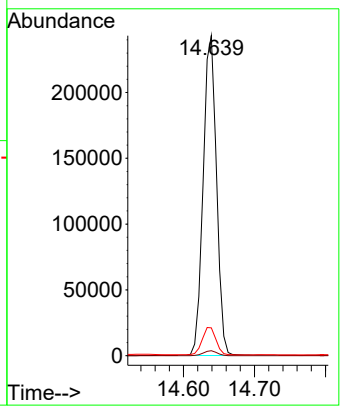


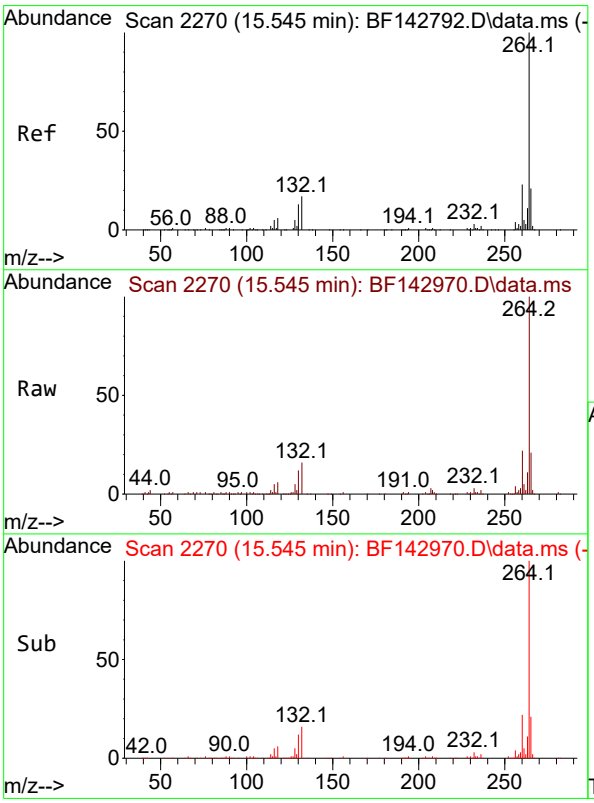
#85
Di-n-octyl phthalate
Concen: 41.295 ng
RT: 14.639 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:149 Resp: 317463

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.9	7.6	11.4

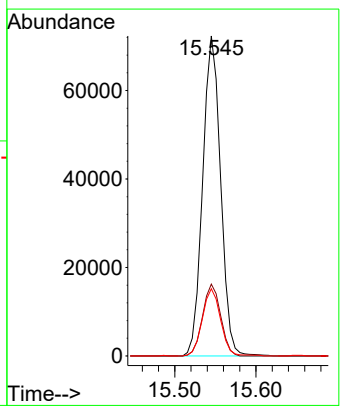


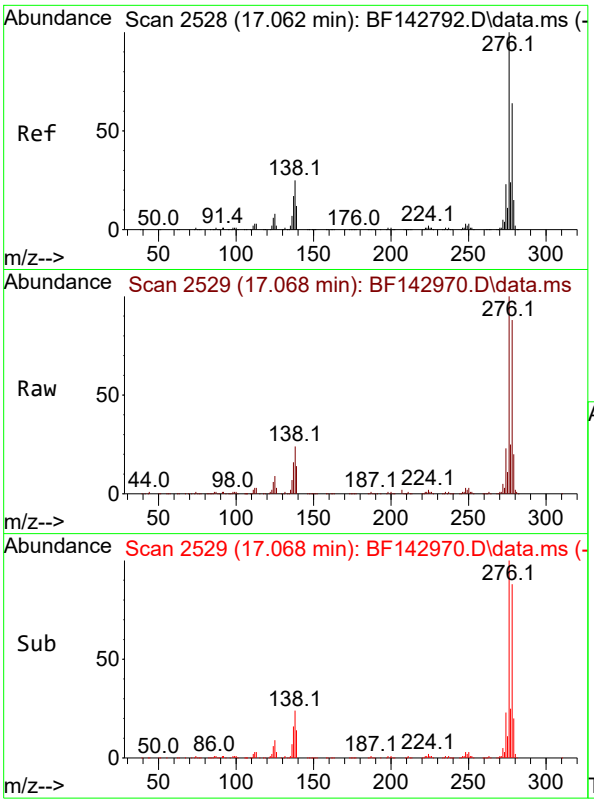


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:264 Resp: 110887

Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.1	27.1
265	21.0	16.6	25.0



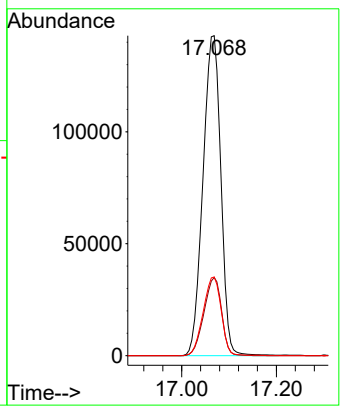


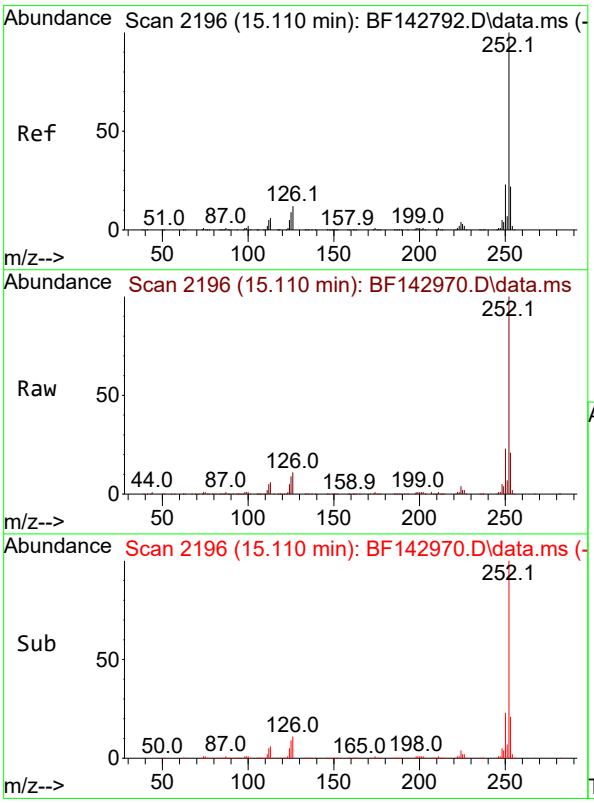
#87
Indeno(1,2,3-cd)pyrene
Concen: 44.359 ng
RT: 17.068 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:276 Resp: 374660

Ion	Ratio	Lower	Upper
276	100		
138	24.1	20.2	30.4
277	24.8	19.8	29.6

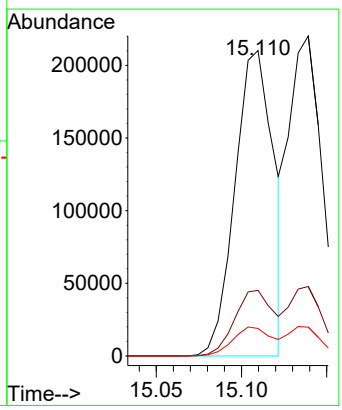


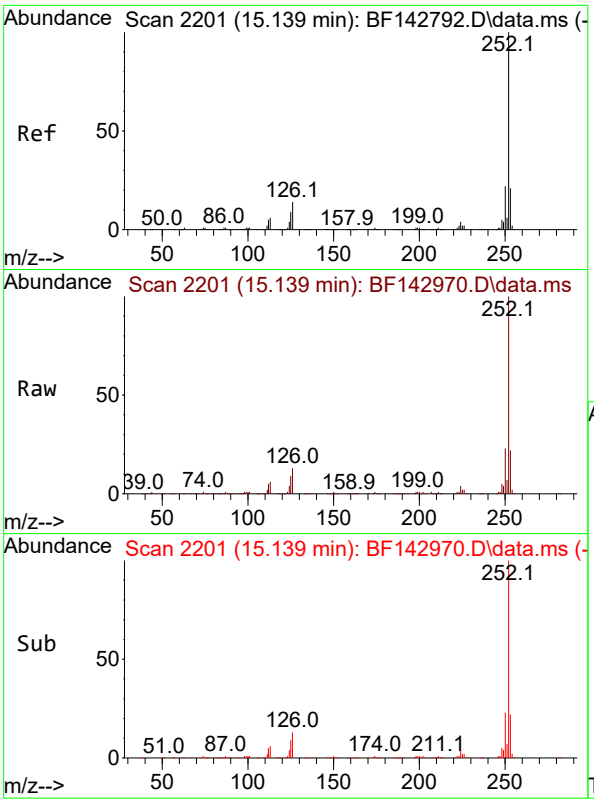


#88
Benzo(b)fluoranthene
Concen: 51.505 ng
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:252 Resp: 330476

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	9.0	7.4	11.0



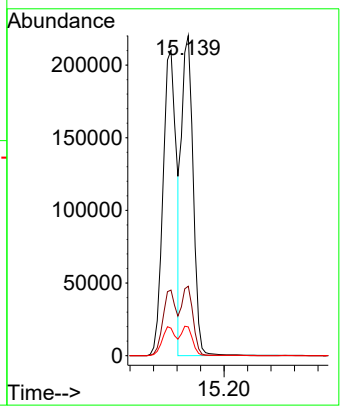


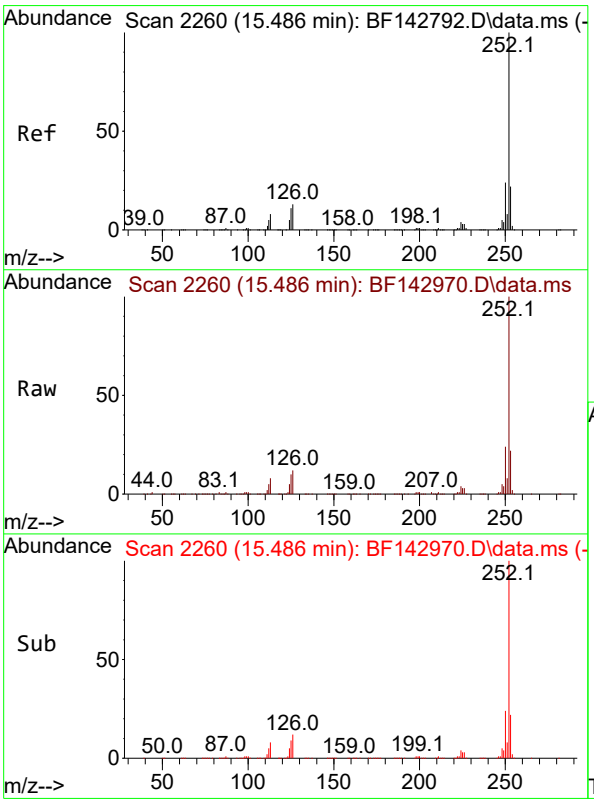
#89
Benzo(k)fluoranthene
Concen: 49.999 ng
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:252 Resp: 300146

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	9.0	7.4	11.2

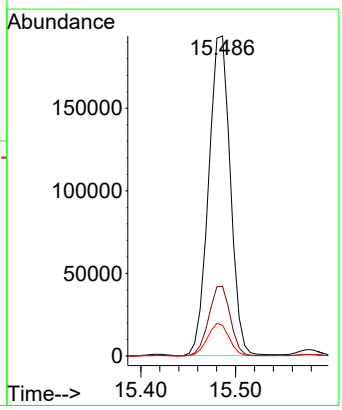


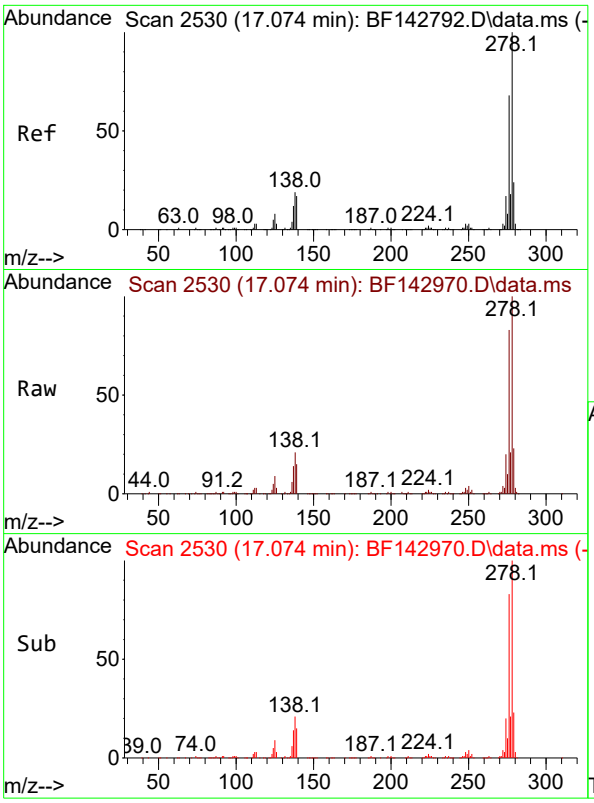


#90
Benzo(a)pyrene
Concen: 49.776 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:252 Resp: 308547

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	9.6	8.6	12.8



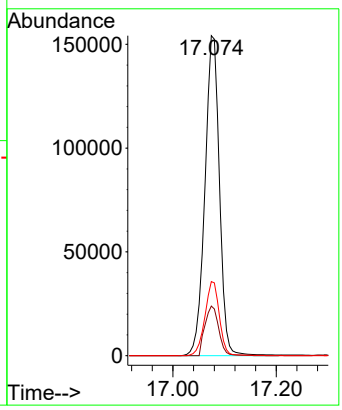


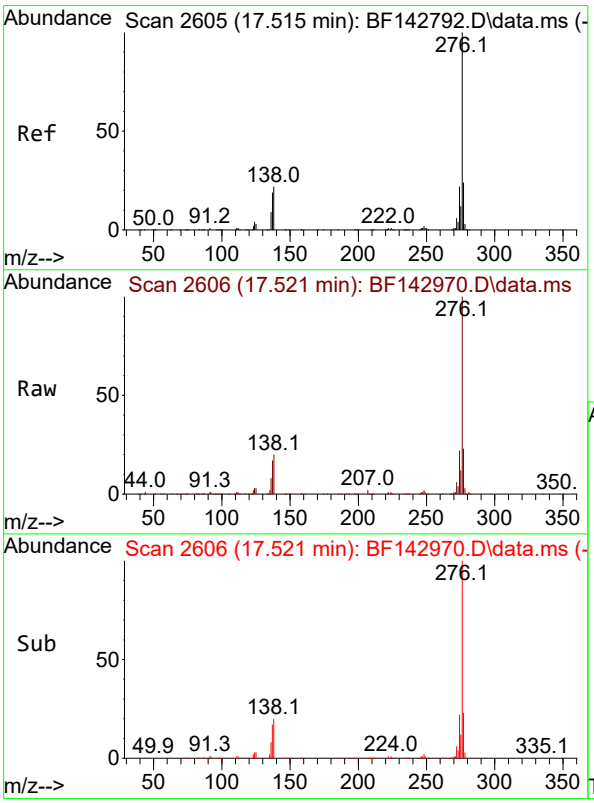
#91
Dibenzo(a,h)anthracene
Concen: 43.987 ng
RT: 17.074 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Tgt Ion:278 Resp: 301867

Ion	Ratio	Lower	Upper
278	100		
139	15.5	13.5	20.3
279	23.1	18.8	28.2

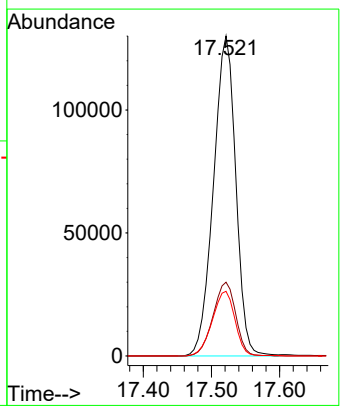




#92
Benzo(g,h,i)perylene
Concen: 43.296 ng
RT: 17.521 min Scan# 2606
Delta R.T. 0.006 min
Lab File: BF142970.D
Acq: 02 Jul 2025 14:47

Tgt Ion:276 Resp: 296284

Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.8	28.2
138	20.2	17.6	26.4



Raw Data: **BF142971.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-67MSD	SDG No.:	Q2458
Lab Sample ID:	Q2458-04MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142971.D	1	07/01/25 09:30	07/02/25 15:17	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1000		170	370	ug/Kg
108-95-2	Phenol	1600		24.6	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		27.0	190	ug/Kg
95-57-8	2-Chlorophenol	1600		27.1	190	ug/Kg
95-48-7	2-Methylphenol	1700		33.3	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		41.7	190	ug/Kg
98-86-2	Acetophenone	1700		32.8	190	ug/Kg
65794-96-9	3+4-Methylphenols	1700		45.7	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		52.7	89.0	ug/Kg
67-72-1	Hexachloroethane	1600		19.6	190	ug/Kg
98-95-3	Nitrobenzene	1600		20.4	190	ug/Kg
78-59-1	Isophorone	1600		36.5	190	ug/Kg
88-75-5	2-Nitrophenol	1700		64.8	190	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		72.1	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		34.3	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		31.5	190	ug/Kg
91-20-3	Naphthalene	1600		25.3	190	ug/Kg
106-47-8	4-Chloroaniline	680		39.4	190	ug/Kg
87-68-3	Hexachlorobutadiene	1600		28.1	190	ug/Kg
105-60-2	Caprolactam	1900		58.0	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		31.9	190	ug/Kg
91-57-6	2-Methylnaphthalene	1600		28.5	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3000	E	130	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		22.0	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		32.4	190	ug/Kg
92-52-4	1,1-Biphenyl	1700		24.3	190	ug/Kg
91-58-7	2-Chloronaphthalene	1600		25.0	190	ug/Kg
88-74-4	2-Nitroaniline	1700		53.5	190	ug/Kg
131-11-3	Dimethylphthalate	1800		30.2	190	ug/Kg

Raw Data: **BF142971.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-67MSD	SDG No.:	Q2458
Lab Sample ID:	Q2458-04MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142971.D	1	07/01/25 09:30	07/02/25 15:17	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1600		32.2	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		37.4	190	ug/Kg
99-09-2	3-Nitroaniline	1000		51.2	190	ug/Kg
83-32-9	Acenaphthene	1800		23.7	190	ug/Kg
51-28-5	2,4-Dinitrophenol	3400	E	250	370	ug/Kg
100-02-7	4-Nitrophenol	3600	E	120	370	ug/Kg
132-64-9	Dibenzofuran	1700		25.3	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	1800		55.7	190	ug/Kg
84-66-2	Diethylphthalate	1800		31.5	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		29.7	190	ug/Kg
86-73-7	Fluorene	1700		28.1	190	ug/Kg
100-01-6	4-Nitroaniline	1800		71.4	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		110	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		36.6	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		30.9	190	ug/Kg
118-74-1	Hexachlorobenzene	1600		28.1	190	ug/Kg
1912-24-9	Atrazine	2000		37.8	190	ug/Kg
87-86-5	Pentachlorophenol	3100	E	57.1	370	ug/Kg
85-01-8	Phenanthrene	1700		23.3	190	ug/Kg
120-12-7	Anthracene	1700		37.0	190	ug/Kg
86-74-8	Carbazole	1700		34.7	190	ug/Kg
84-74-2	Di-n-butylphthalate	2000		53.3	190	ug/Kg
206-44-0	Fluoranthene	1700		33.4	190	ug/Kg
129-00-0	Pyrene	1600		40.1	190	ug/Kg
85-68-7	Butylbenzylphthalate	2000		79.4	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	650		40.8	370	ug/Kg
56-55-3	Benzo(a)anthracene	1700		25.6	190	ug/Kg
218-01-9	Chrysene	1700		22.1	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		65.9	190	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		96.6	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		21.1	190	ug/Kg

Raw Data: **BF142971.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-67MSD	SDG No.:	Q2458
Lab Sample ID:	Q2458-04MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142971.D	1	07/01/25 09:30	07/02/25 15:17	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1800		24.9	190	ug/Kg
50-32-8	Benzo(a)pyrene	1700		32.8	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		32.4	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		30.5	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		28.6	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		28.5	190	ug/Kg
123-91-1	1,4-Dioxane	1300		50.3	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		30.5	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	74.7		18 - 112	50%	SPK: 150
13127-88-3	Phenol-d6	76.4		15 - 107	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.7		18 - 107	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.2		20 - 109	48%	SPK: 100
118-79-6	2,4,6-Tribromophenol	81.8		10 - 116	55%	SPK: 150
1718-51-0	Terphenyl-d14	46.6		10 - 105	47%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	56100	6.875			
1146-65-2	Naphthalene-d8	217000	8.157			
15067-26-2	Acenaphthene-d10	114000	9.916			
1517-22-2	Phenanthrene-d10	198000	11.404			
1719-03-5	Chrysene-d12	113000	14.056			
1520-96-3	Perylene-d12	120000	15.545			

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\BF070225\
Data File : BF142971.D
Acq On : 02 Jul 2025 15:17
Operator : RC/JU
Sample : Q2458-04MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Quant Time: Jul 02 15:48:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	56149	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	216831	20.000	ng		-0.01
39) Acenaphthene-d10	9.916	164	113581	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	197962	20.000	ng		0.00
76) Chrysene-d12	14.056	240	113049	20.000	ng		0.00
86) Perylene-d12	15.545	264	120474	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.492	112	252058	74.740	ng		0.00
7) Phenol-d6	6.504	99	304097	76.428	ng		0.00
23) Nitrobenzene-d5	7.433	82	184481	46.667	ng		-0.01
42) 2,4,6-Tribromophenol	10.710	330	95618	81.807	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	416800	48.207	ng		-0.01
79) Terphenyl-d14	12.992	244	381225	46.594	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.645	88	48397	35.879	ng		98
3) Pyridine	3.416	79	130811	38.682	ng		99
4) n-Nitrosodimethylamine	3.363	42	72394	41.399	ng		98
6) Aniline	6.533	93	156171	29.498	ng	#	87
8) 2-Chlorophenol	6.657	128	161846	44.488	ng		98
9) Benzaldehyde	6.422	77	65498	27.747	ng		98
10) Phenol	6.522	94	191654	43.333	ng		93
11) bis(2-Chloroethyl)ether	6.604	93	138878	43.934	ng		98
12) 1,3-Dichlorobenzene	6.816	146	176063	43.274	ng		99
13) 1,4-Dichlorobenzene	6.892	146	177572	43.259	ng		99
14) 1,2-Dichlorobenzene	7.045	146	170609	43.819	ng		100
15) Benzyl Alcohol	7.016	79	129241	44.931	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	208093	40.974	ng		90
17) 2-Methylphenol	7.128	107	122893	44.577	ng		98
18) Hexachloroethane	7.386	117	60864	42.391	ng		94
19) n-Nitroso-di-n-propyla...	7.286	70	102676	44.369	ng		97
20) 3+4-Methylphenols	7.280	107	155844	45.339	ng		93
22) Acetophenone	7.280	105	213231	44.595	ng		99
24) Nitrobenzene	7.457	77	154127	43.077	ng		98
25) Isophorone	7.698	82	278962	43.991	ng		99
26) 2-Nitrophenol	7.775	139	89684	46.014	ng		98
27) 2,4-Dimethylphenol	7.810	122	148069	43.858	ng		100
28) bis(2-Chloroethoxy)met...	7.904	93	174411	43.261	ng		100
29) 2,4-Dichlorophenol	8.016	162	136833	44.700	ng		99
30) 1,2,4-Trichlorobenzene	8.098	180	146140	43.415	ng		99
31) Naphthalene	8.180	128	460550	43.393	ng		100
32) Benzoic acid	7.927	122	73378	42.643	ng		97
33) 4-Chloroaniline	8.227	127	78716	18.240	ng		98
34) Hexachlorobutadiene	8.292	225	89607	43.520	ng		99
35) Caprolactam	8.604	113	41835m	51.790	ng		
36) 4-Chloro-3-methylphenol	8.716	107	138688	45.586	ng		99
37) 2-Methylnaphthalene	8.874	142	289318	43.969	ng		100
38) 1-Methylnaphthalene	8.974	142	301963	44.331	ng		100
40) 1,2,4,5-Tetrachloroben...	9.039	216	148386	44.276	ng		99
41) Hexachlorocyclopentadiene	9.022	237	155705	81.870	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	96995	44.414	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142971.D
Acq On : 02 Jul 2025 15:17
Operator : RC/JU
Sample : Q2458-04MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Quant Time: Jul 02 15:48:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

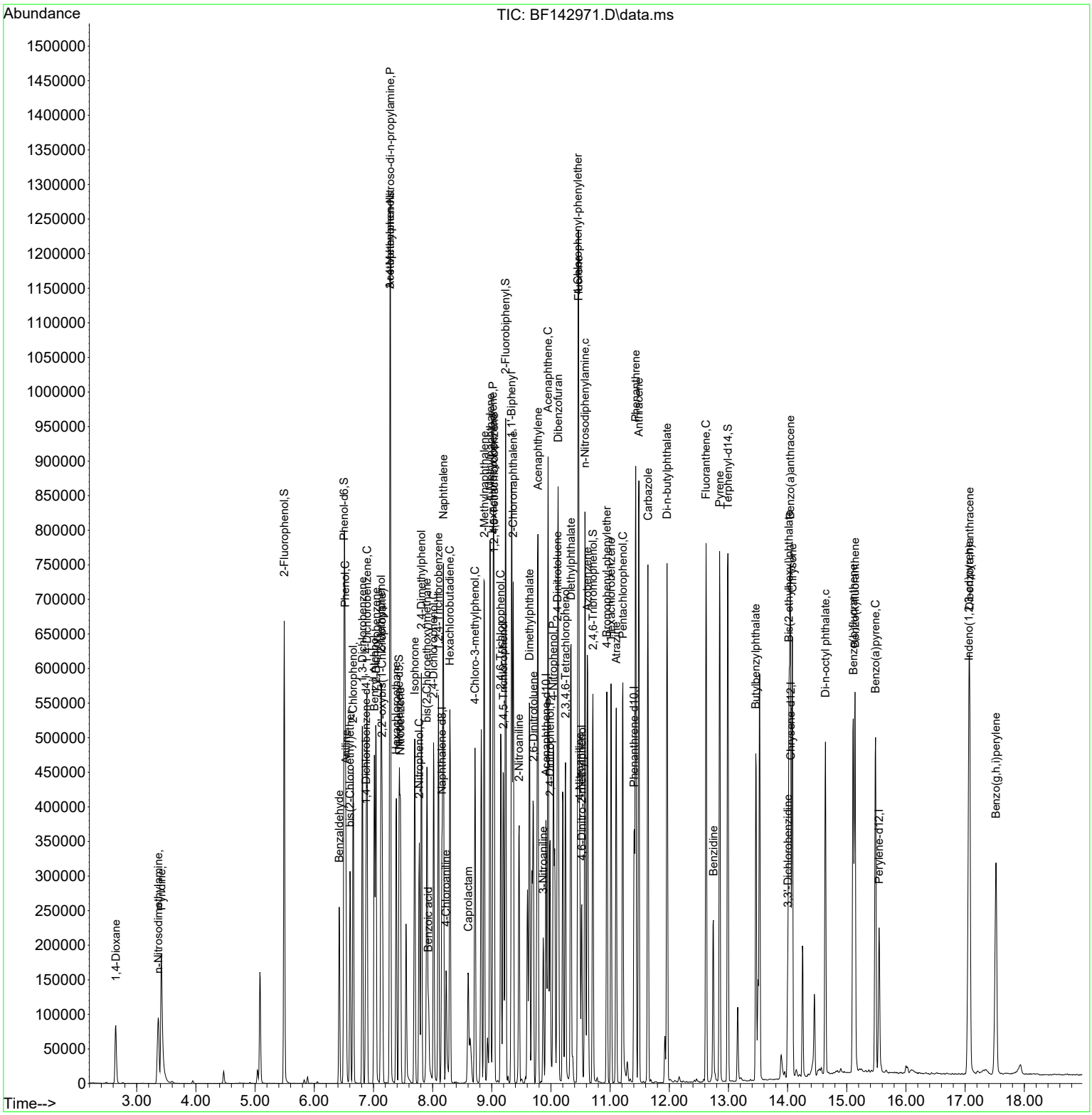
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	102673	44.662	ng		99
46) 1,1'-Biphenyl	9.333	154	402287	44.837	ng		100
47) 2-Chloronaphthalene	9.363	162	292943	43.508	ng		99
48) 2-Nitroaniline	9.463	65	87106	46.145	ng		96
49) Acenaphthylene	9.780	152	491743	44.365	ng		99
50) Dimethylphthalate	9.639	163	348094	47.346	ng		100
51) 2,6-Dinitrotoluene	9.704	165	76426	47.334	ng		96
52) Acenaphthene	9.951	154	325254m	48.096	ng		
53) 3-Nitroaniline	9.869	138	48726	27.410	ng		99
54) 2,4-Dinitrophenol	9.986	184	74821	92.547	ng		95
55) Dibenzofuran	10.121	168	439268	45.297	ng		100
56) 4-Nitrophenol	10.039	139	117590	96.622	ng		98
57) 2,4-Dinitrotoluene	10.110	165	105877	49.367	ng		98
58) Fluorene	10.468	166	349636	46.165	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	85167	45.961	ng		97
60) Diethylphthalate	10.339	149	351584	48.772	ng		99
61) 4-Chlorophenyl-phenyle...	10.457	204	166362	46.033	ng		99
62) 4-Nitroaniline	10.486	138	79394	48.833	ng		99
63) Azobenzene	10.616	77	317643	49.302	ng		98
65) 4,6-Dinitro-2-methylph...	10.521	198	53270	44.488	ng		99
66) n-Nitrosodiphenylamine	10.574	169	300816	43.845	ng		99
67) 4-Bromophenyl-phenylether	10.945	248	100791	44.736	ng		95
68) Hexachlorobenzene	11.016	284	110539	44.155	ng		98
69) Atrazine	11.104	200	93920	53.011	ng		99
70) Pentachlorophenol	11.216	266	105114	84.262	ng		100
71) Phenanthrene	11.433	178	486722	45.388	ng		99
72) Anthracene	11.486	178	494071	44.924	ng		100
73) Carbazole	11.639	167	434982	45.832	ng		100
74) Di-n-butylphthalate	11.963	149	540733	54.691	ng		100
75) Fluoranthene	12.621	202	458695	45.071	ng		100
77) Benzidine	12.745	184	136349	32.102	ng		99
78) Pyrene	12.851	202	450689	42.532	ng		100
80) Butylbenzylphthalate	13.462	149	165587	53.871	ng		99
81) Benzo(a)anthracene	14.045	228	350275	45.929	ng		100
82) 3,3'-Dichlorobenzidine	14.004	252	43306	17.507	ng	#	98
83) Chrysene	14.080	228	308955	45.400	ng		99
84) Bis(2-ethylhexyl)phtha...	14.021	149	216038	48.850	ng		100
85) Di-n-octyl phthalate	14.639	149	333995	40.051	ng		99
87) Indeno(1,2,3-cd)pyrene	17.062	276	364964	39.772	ng		99
88) Benzo(b)fluoranthene	15.109	252	330057	47.346	ng		99
89) Benzo(k)fluoranthene	15.139	252	312488	47.913	ng		99
90) Benzo(a)pyrene	15.486	252	311232	46.214	ng		99
91) Dibenzo(a,h)anthracene	17.074	278	294876	39.549	ng		99
92) Benzo(g,h,i)perylene	17.521	276	286817	38.577	ng		99

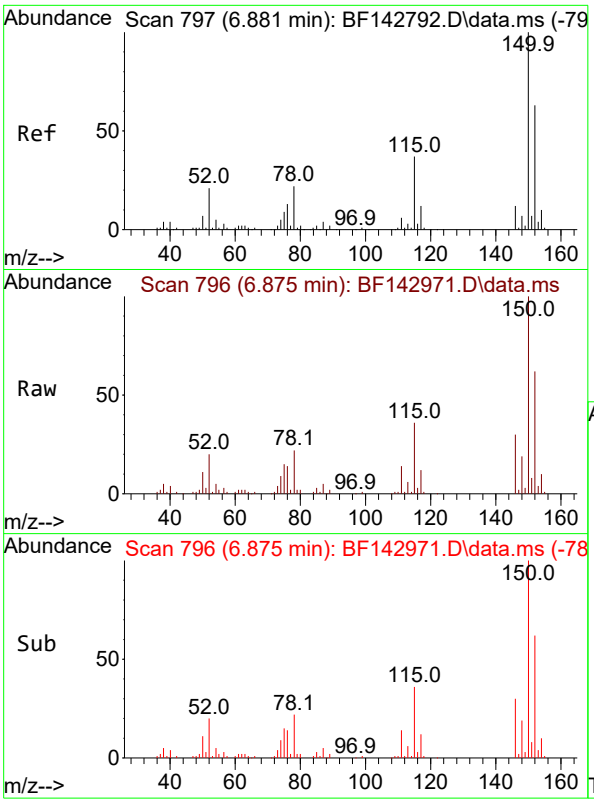
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142971.D
Acq On : 02 Jul 2025 15:17
Operator : RC/JU
Sample : Q2458-04MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Quant Time: Jul 02 15:48:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



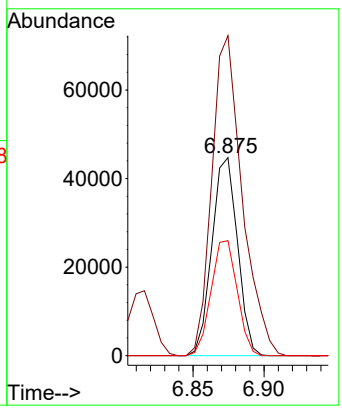


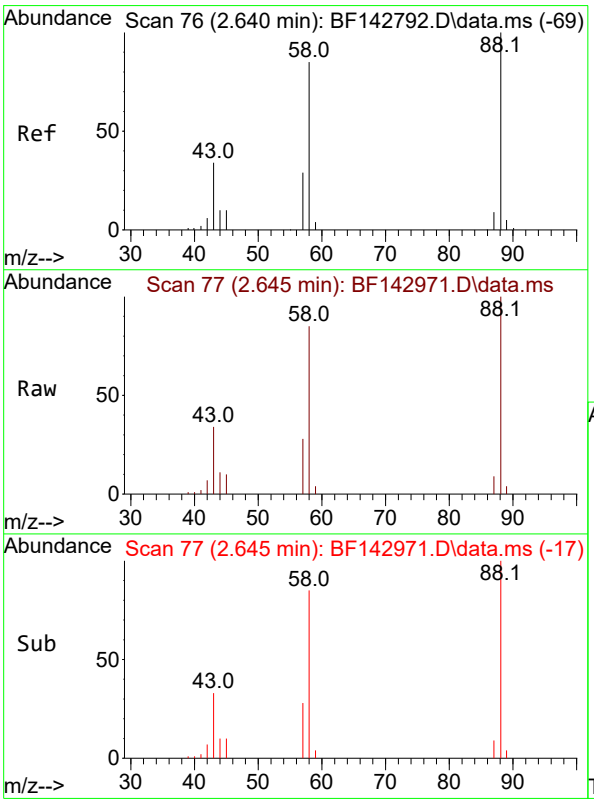
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:152 Resp: 56149

Ion	Ratio	Lower	Upper
152	100		
150	161.5	127.2	190.8
115	58.0	46.6	69.8

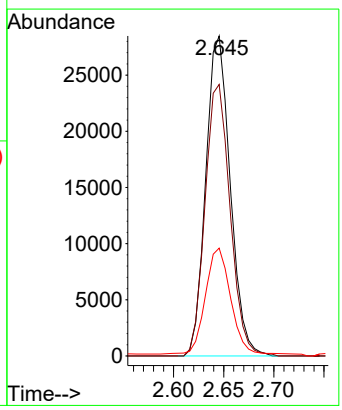


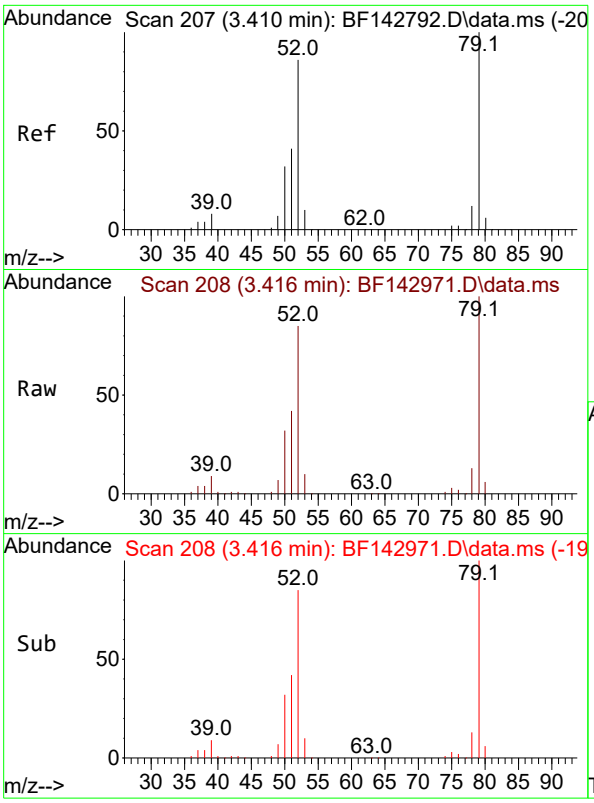


#2
1,4-Dioxane
Concen: 35.879 ng
RT: 2.645 min Scan# 77
Delta R.T. 0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion: 88 Resp: 48397

Ion	Ratio	Lower	Upper
88	100		
58	87.1	69.1	103.7
43	36.8	27.4	41.2



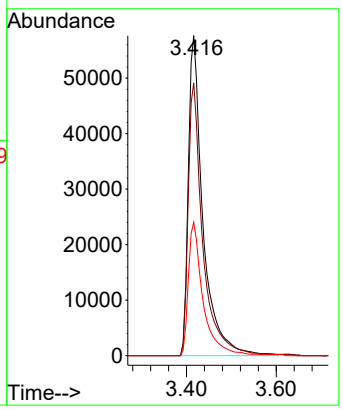


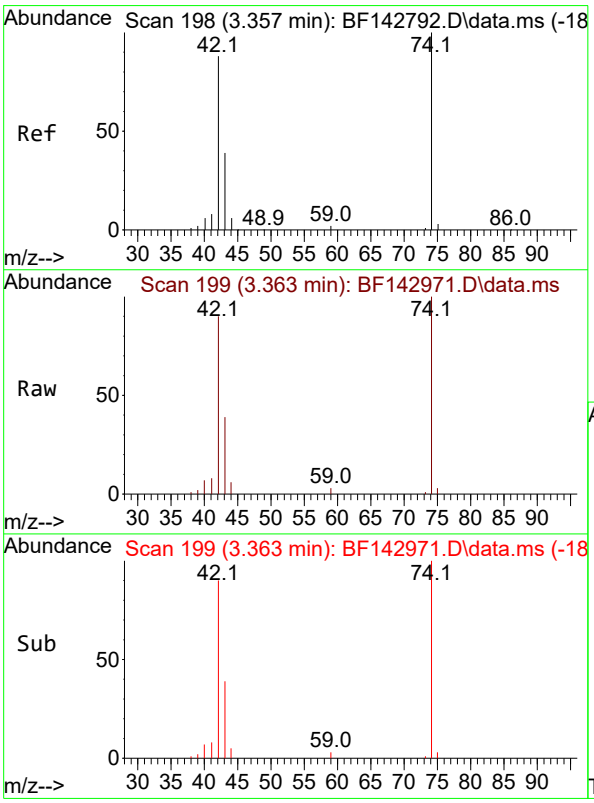
#3
Pyridine
Concen: 38.682 ng
RT: 3.416 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion: 79 Resp: 130811

Ion	Ratio	Lower	Upper
79	100		
52	85.3	69.2	103.8
51	41.7	33.2	49.8

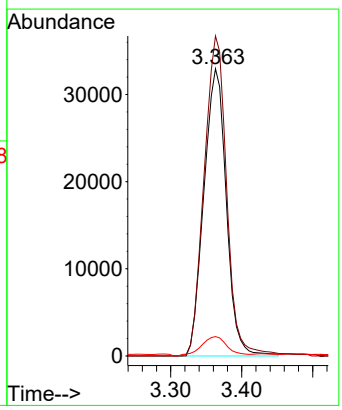


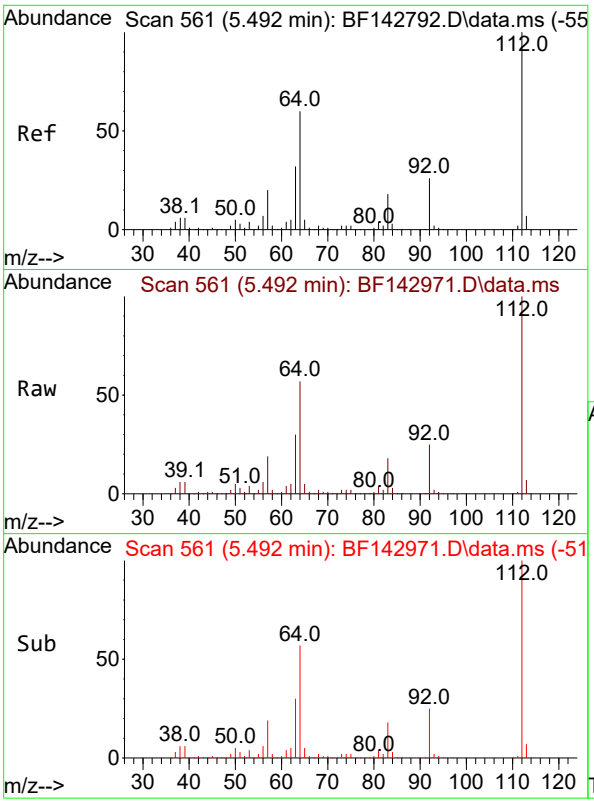


#4
n-Nitrosodimethylamine
Concen: 41.399 ng
RT: 3.363 min Scan# 199
Delta R.T. 0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion: 42 Resp: 72394

Ion	Ratio	Lower	Upper
42	100		
74	111.4	90.9	136.3
44	6.7	5.8	8.6



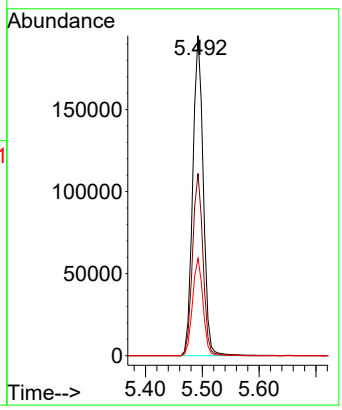


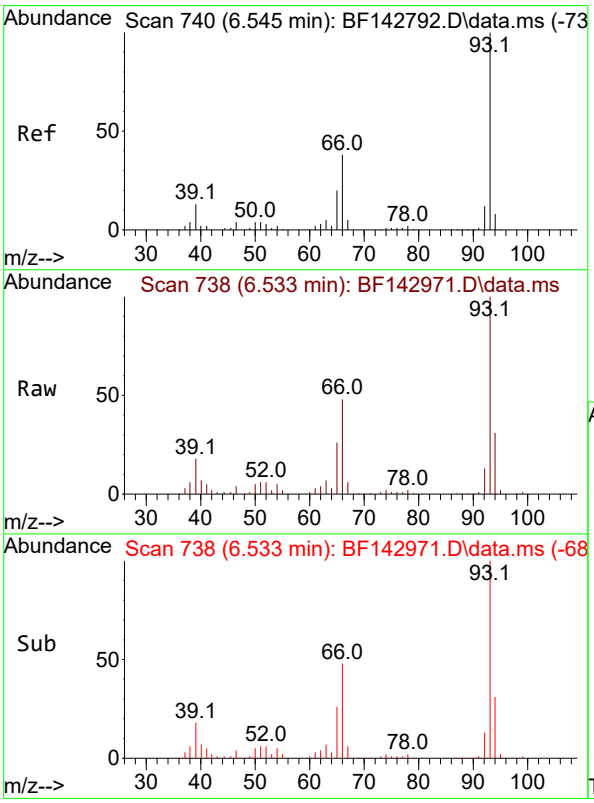
#5
2-Fluorophenol
Concen: 74.740 ng
RT: 5.492 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:112 Resp: 252058

Ion	Ratio	Lower	Upper
112	100		
64	56.9	48.2	72.2
63	30.4	25.7	38.5

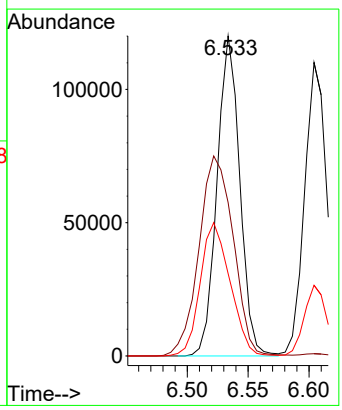


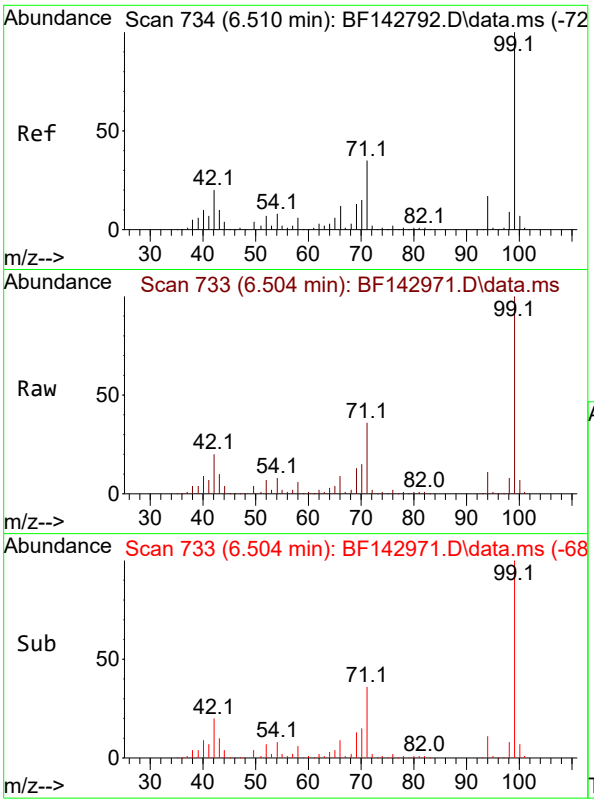


#6
Aniline
Concen: 29.498 ng
RT: 6.533 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion: 93 Resp: 156171

Ion	Ratio	Lower	Upper
93	100		
66	48.0	31.8	47.6#
65	25.8	16.2	24.2#



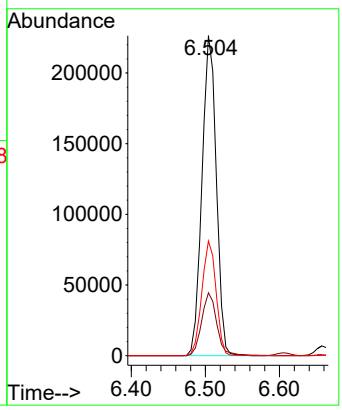


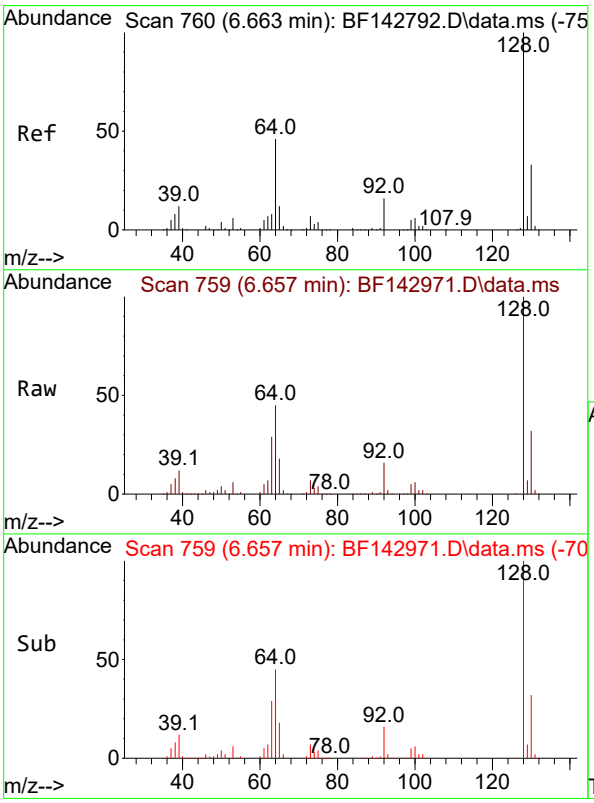
#7
Phenol-d6
Concen: 76.428 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion: 99 Resp: 304097

Ion	Ratio	Lower	Upper
99	100		
42	19.6	15.9	23.9
71	35.8	27.8	41.8

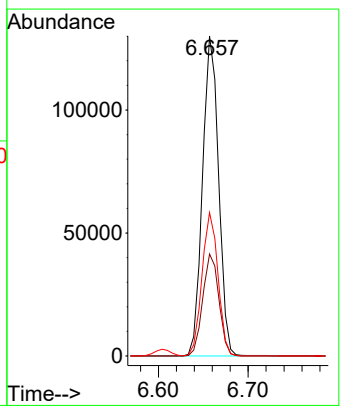


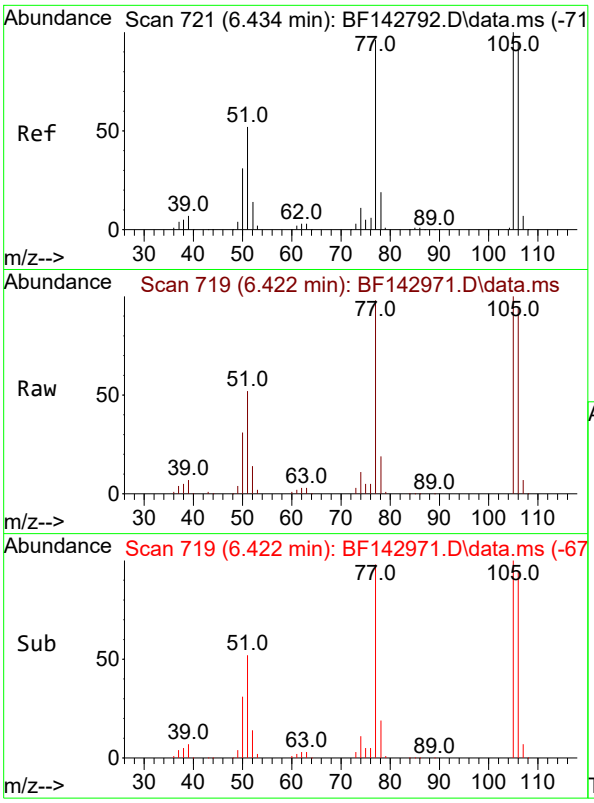


#8
2-Chlorophenol
Concen: 44.488 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:128 Resp: 161846

Ion	Ratio	Lower	Upper
128	100		
130	31.8	12.7	52.7
64	44.8	26.5	66.5



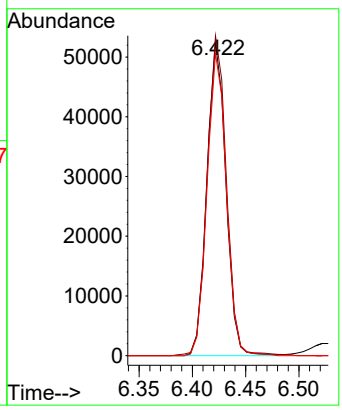


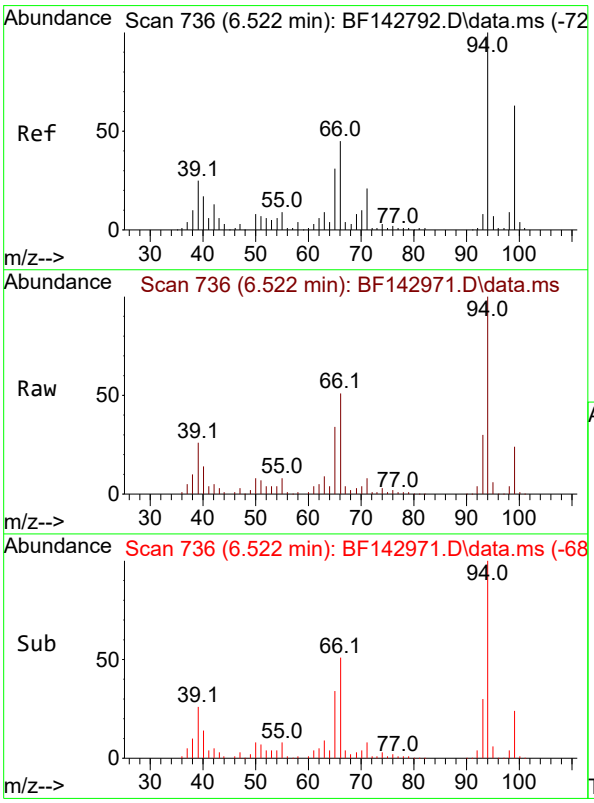
#9
Benzaldehyde
Concen: 27.747 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion: 77 Resp: 65498

Ion	Ratio	Lower	Upper
77	100		
105	102.2	83.8	123.8
106	96.5	78.7	118.7

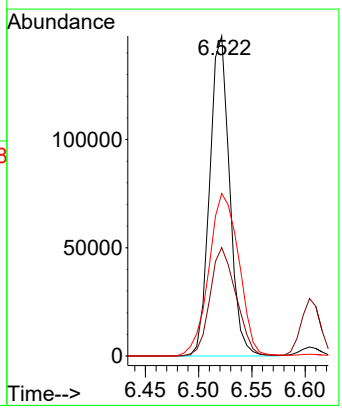


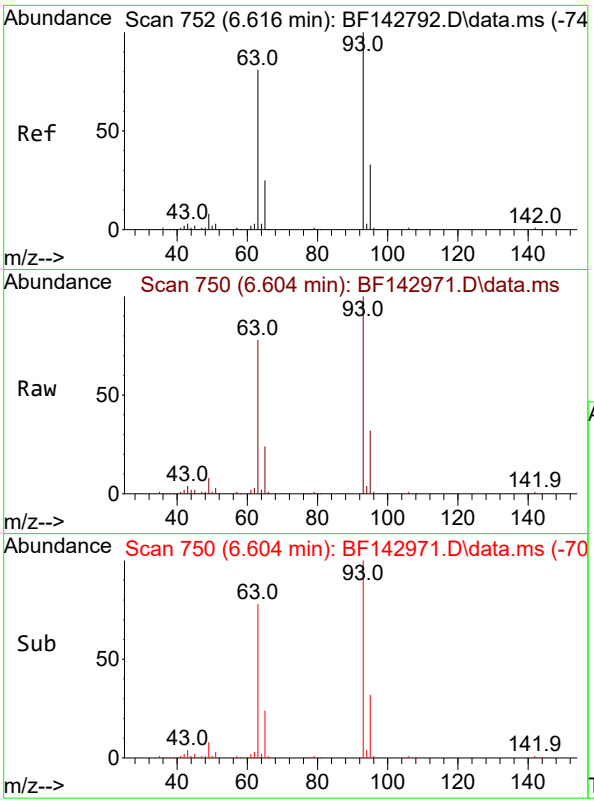


#10
Phenol
Concen: 43.333 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.000 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion: 94 Resp: 191654

Ion	Ratio	Lower	Upper
94	100		
65	33.8	11.3	51.3
66	50.7	24.9	64.9



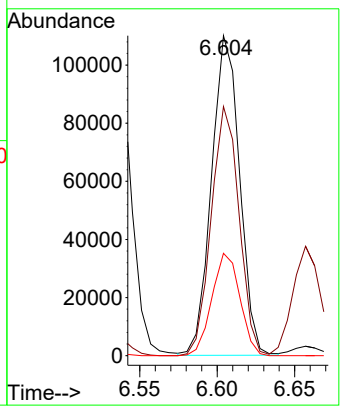


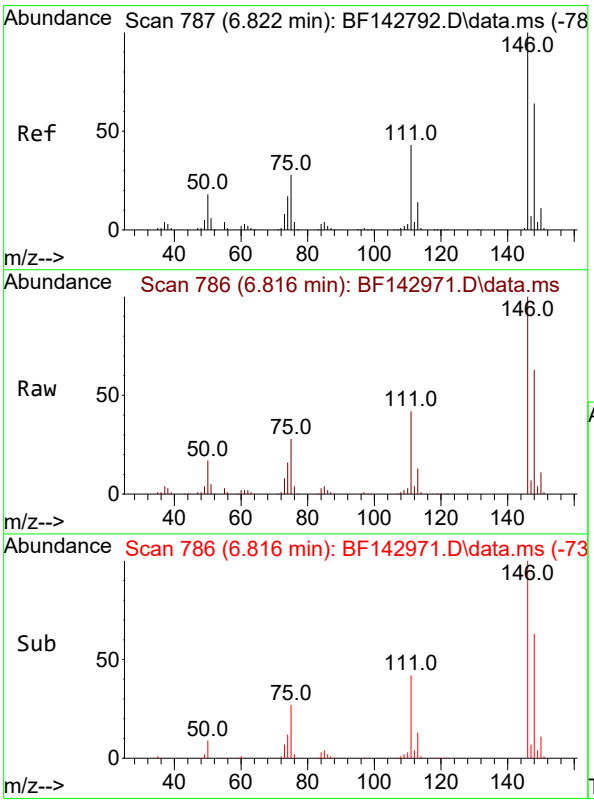
#11
bis(2-Chloroethyl)ether
Concen: 43.934 ng
RT: 6.604 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion: 93 Resp: 138878

Ion	Ratio	Lower	Upper
93	100		
63	77.9	60.3	100.3
95	32.0	12.5	52.5

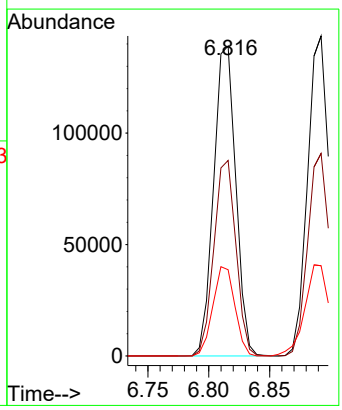


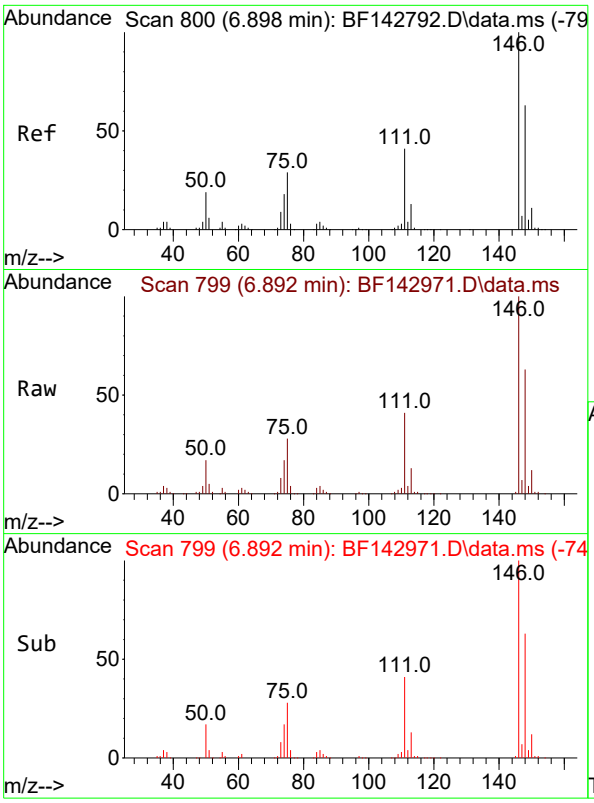


#12
1,3-Dichlorobenzene
Concen: 43.274 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:146 Resp: 176063

Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.1	76.7
75	27.9	22.7	34.1



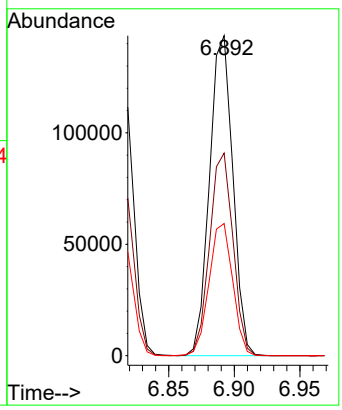


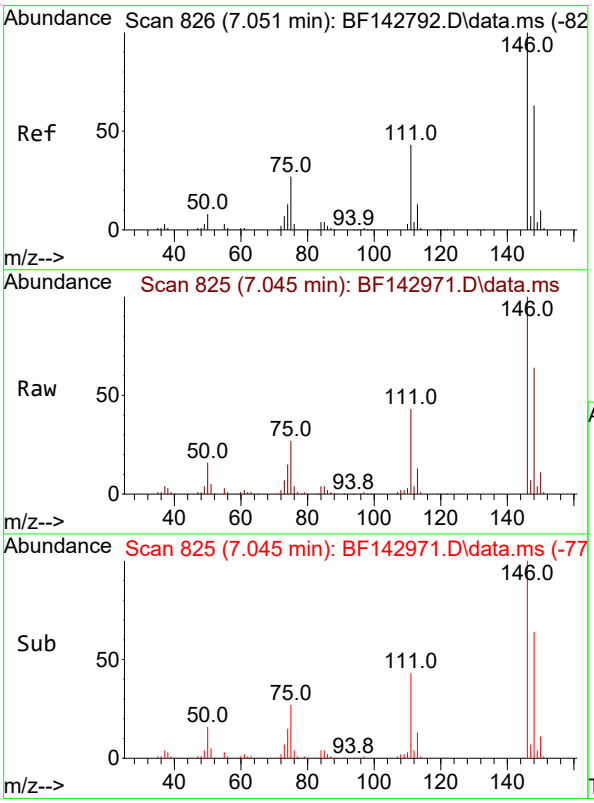
#13
1,4-Dichlorobenzene
Concen: 43.259 ng
RT: 6.892 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:146 Resp: 177572

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.2	75.2
111	41.3	33.2	49.8

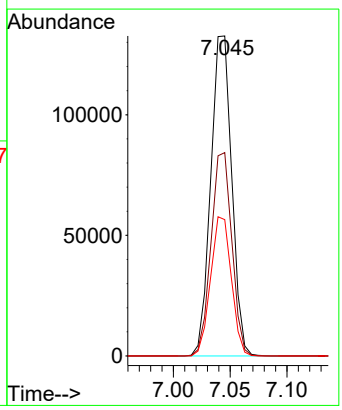


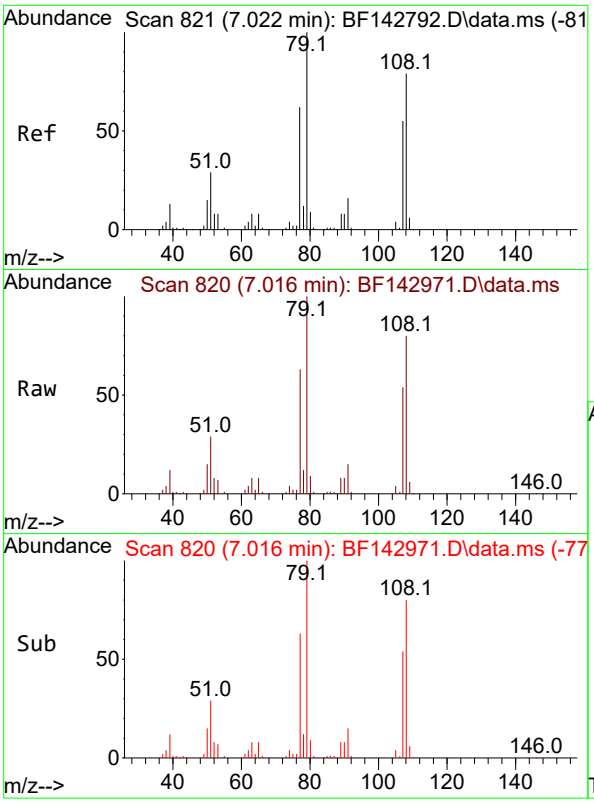


#14
1,2-Dichlorobenzene
Concen: 43.819 ng
RT: 7.045 min Scan# 825
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:146 Resp: 170609

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.4	75.6
111	42.6	34.1	51.1



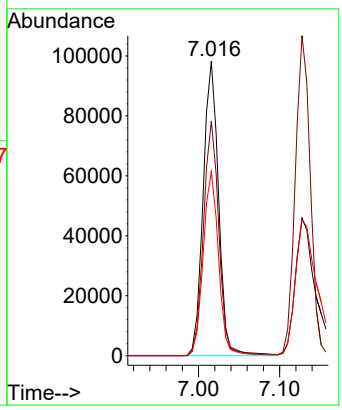


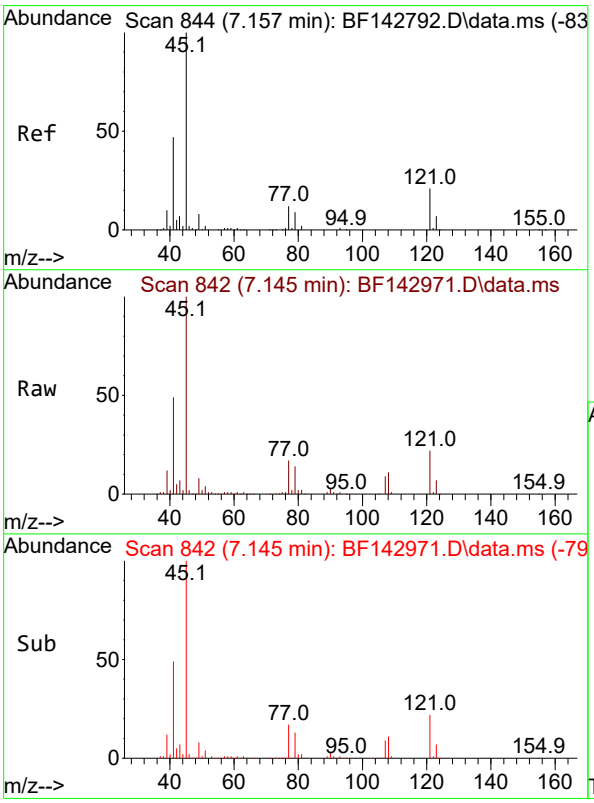
#15
Benzyl Alcohol
Concen: 44.931 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion: 79 Resp: 129241

Ion	Ratio	Lower	Upper
79	100		
108	79.6	63.4	95.0
77	62.6	49.5	74.3

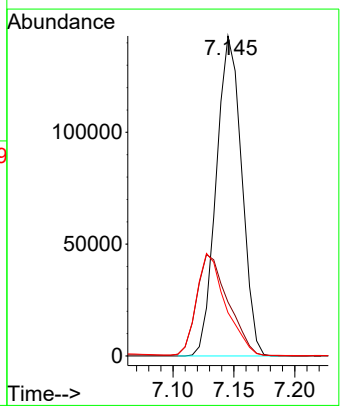


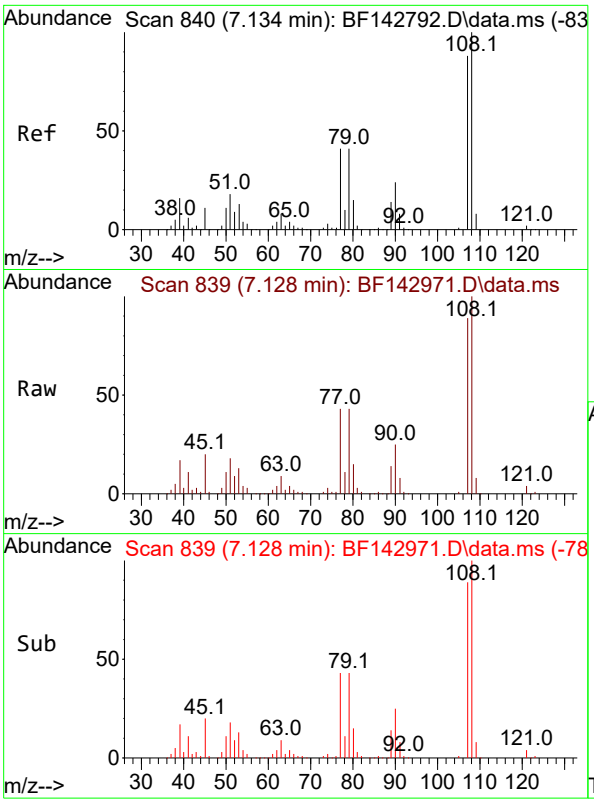


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.974 ng
RT: 7.145 min Scan# 842
Delta R.T. -0.012 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion: 45 Resp: 208093

Ion	Ratio	Lower	Upper
45	100		
77	16.8	0.0	32.8
79	13.6	0.0	29.8



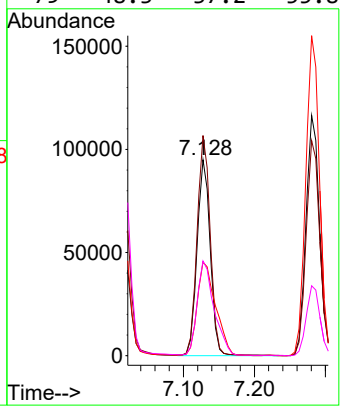


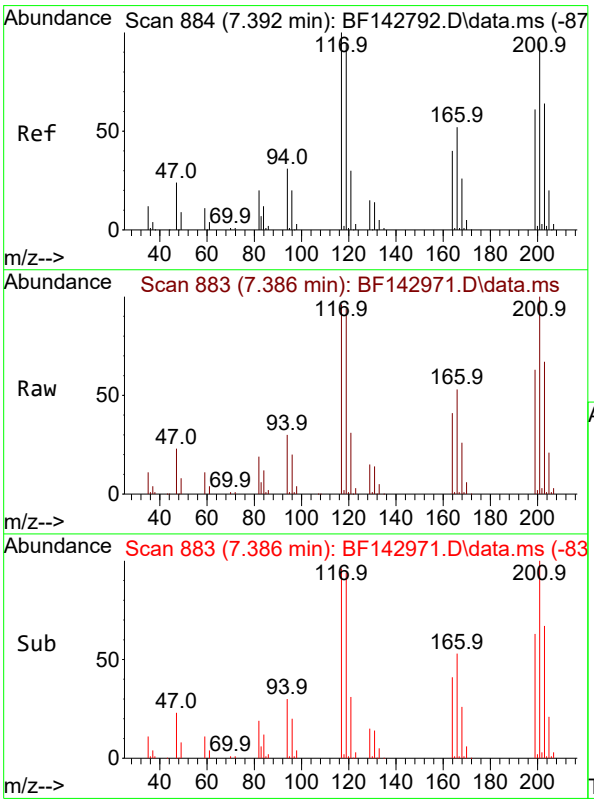
#17
2-Methylphenol
Concen: 44.577 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:107 Resp: 122893

Ion	Ratio	Lower	Upper
107	100		
108	112.4	90.9	136.3
77	47.8	37.3	55.9
79	48.3	37.2	55.8

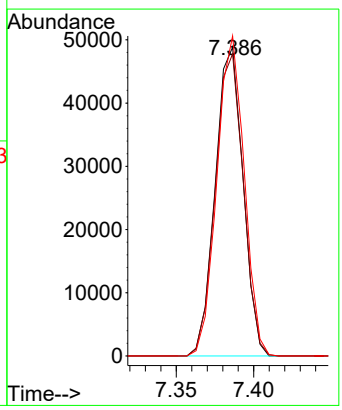


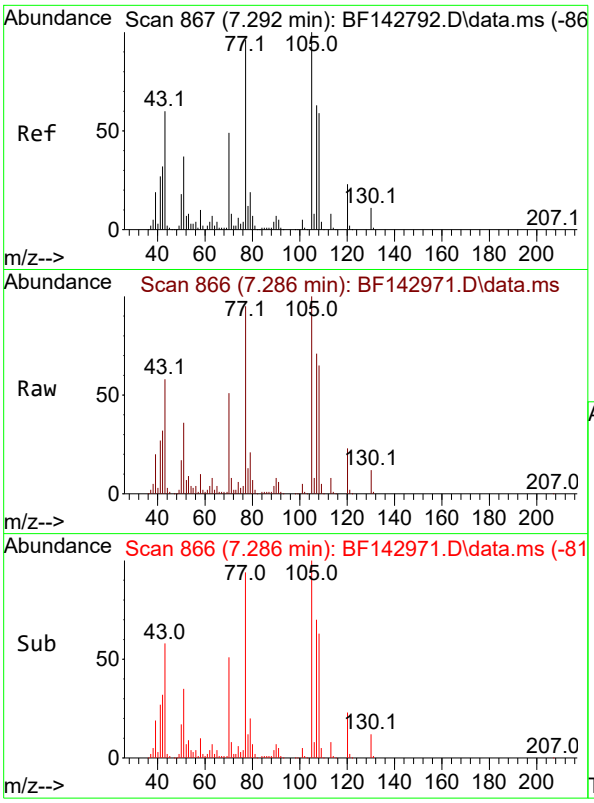


#18
Hexachloroethane
Concen: 42.391 ng
RT: 7.386 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:117 Resp: 60864

Ion	Ratio	Lower	Upper
117	100		
119	97.9	75.4	113.0
201	103.6	75.9	113.9



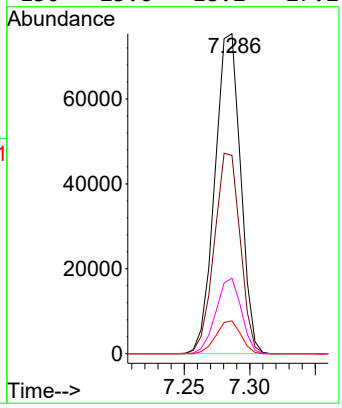


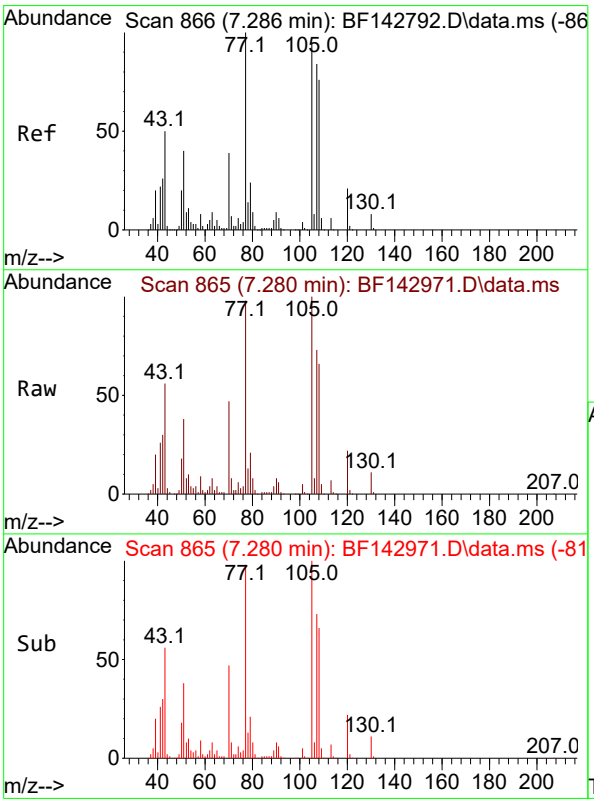
#19
n-Nitroso-di-n-propylamine
Concen: 44.369 ng
RT: 7.286 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion: 70 Resp: 102676

Ion	Ratio	Lower	Upper
70	100		
42	62.0	52.1	78.1
101	10.3	8.2	12.2
130	23.6	18.2	27.2

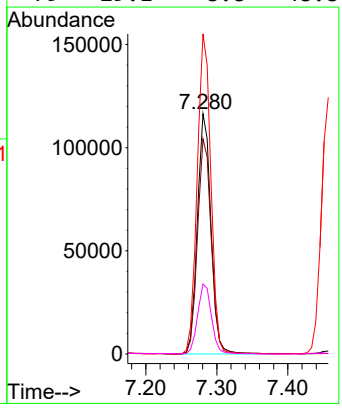


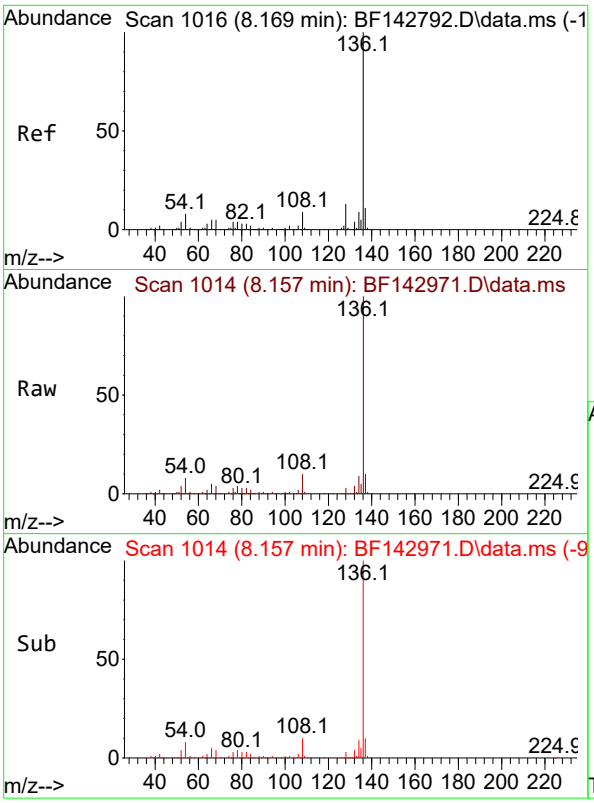


#20
3+4-Methylphenols
Concen: 45.339 ng
RT: 7.280 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:107 Resp: 155844

Ion	Ratio	Lower	Upper
107	100		
108	89.6	70.0	110.0
77	133.3	98.5	138.5
79	29.1	8.8	48.8



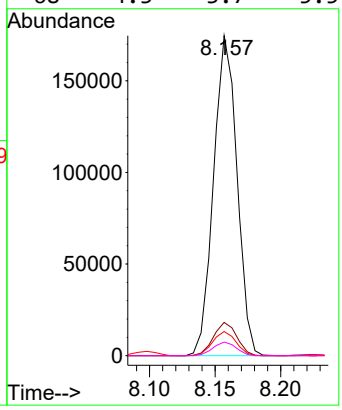


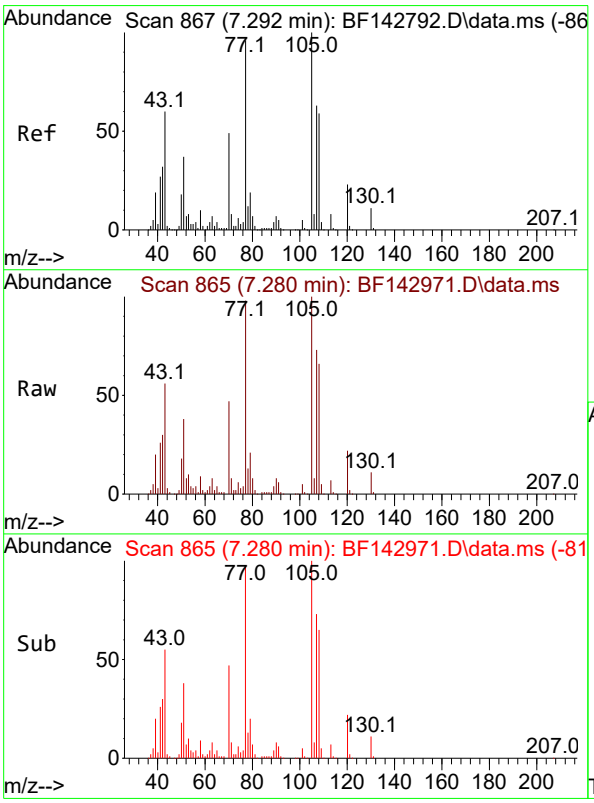
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:136 Resp: 216831

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.4	12.6
54	7.6	6.3	9.5
68	4.3	3.7	5.5

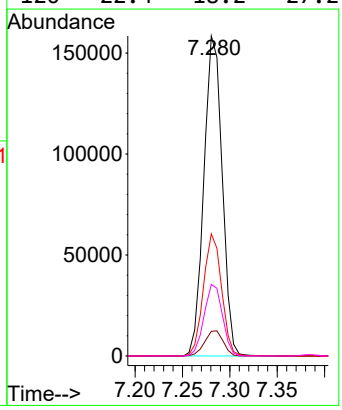


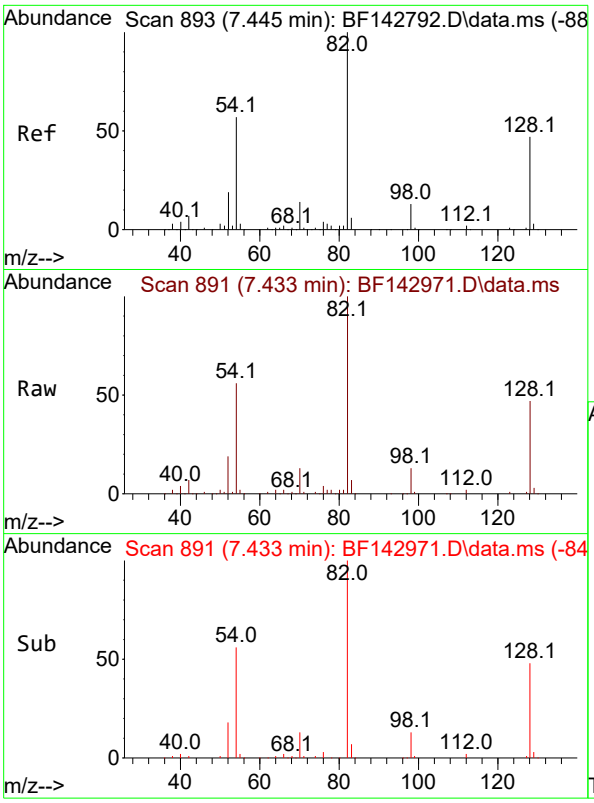


#22
Acetophenone
Concen: 44.595 ng
RT: 7.280 min Scan# 865
Delta R.T. -0.012 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:105 Resp: 213231

Ion	Ratio	Lower	Upper
105	100		
71	7.7	6.5	9.7
51	38.1	29.8	44.8
120	22.4	18.2	27.2



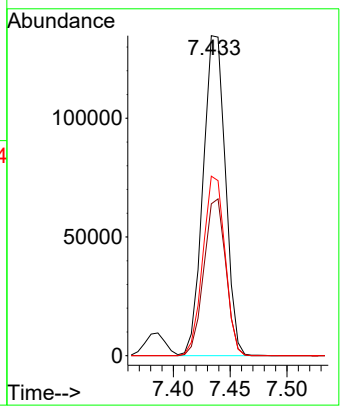


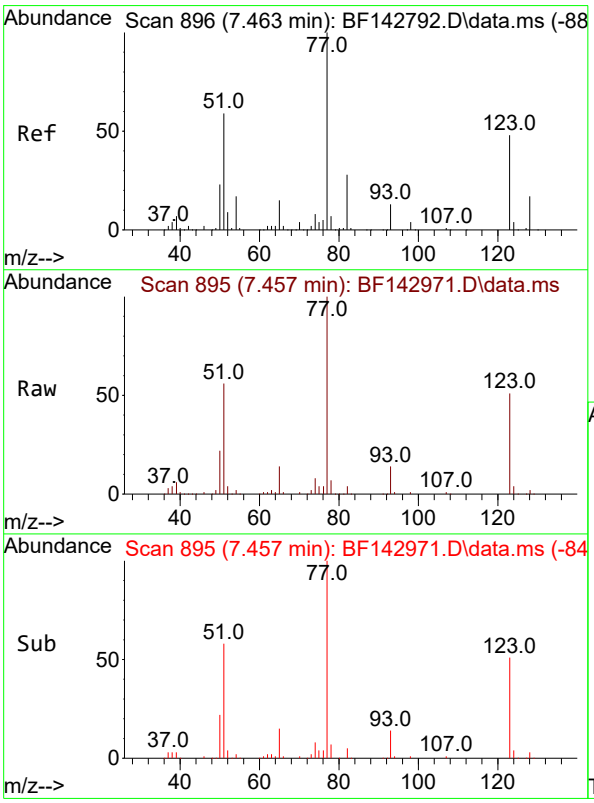
#23
Nitrobenzene-d5
Concen: 46.667 ng
RT: 7.433 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion: 82 Resp: 184481

Ion	Ratio	Lower	Upper
82	100		
128	47.5	37.7	56.5
54	56.1	45.7	68.5

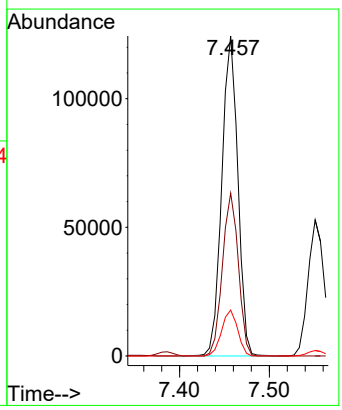


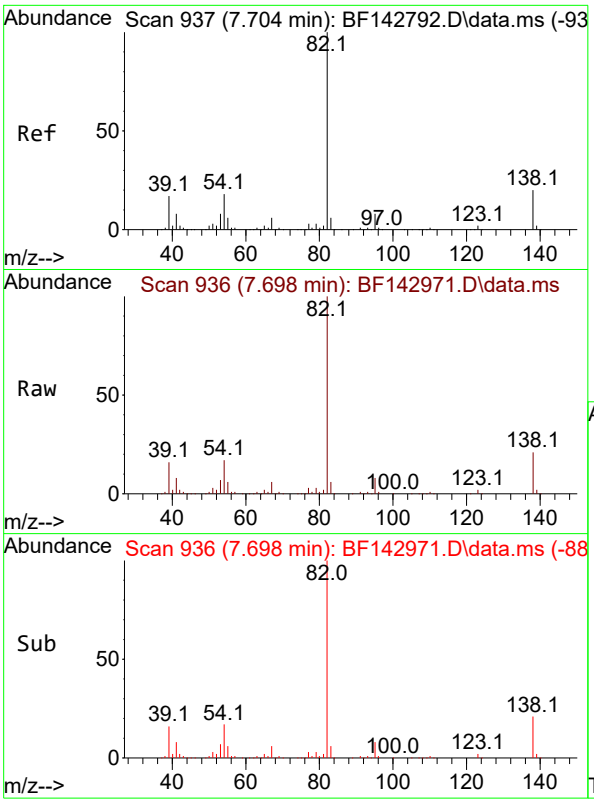


#24
Nitrobenzene
Concen: 43.077 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion: 77 Resp: 154127

Ion	Ratio	Lower	Upper
77	100		
123	50.9	39.2	58.8
65	14.3	11.6	17.4



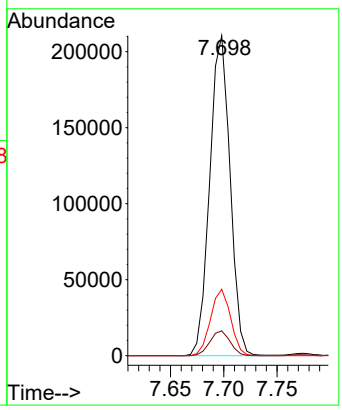


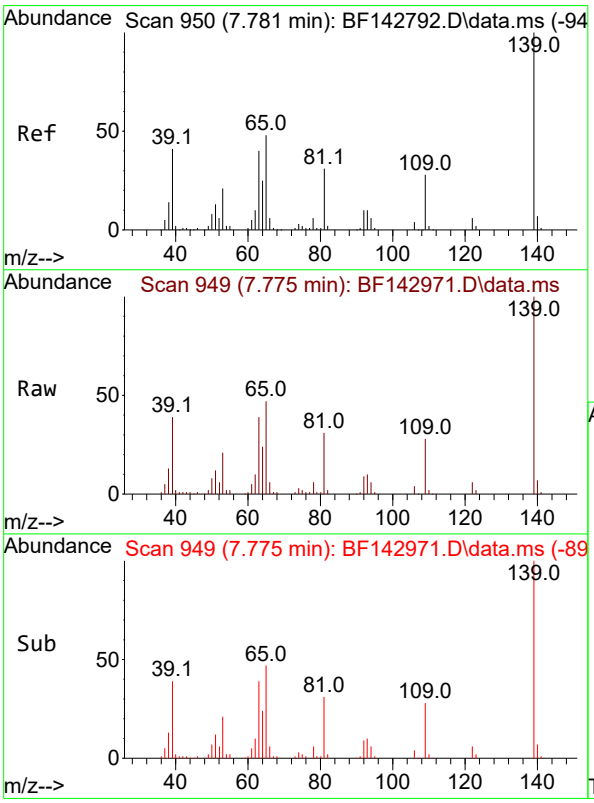
#25
Isophorone
Concen: 43.991 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion: 82 Resp: 278962

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.2	9.2
138	20.7	16.2	24.4

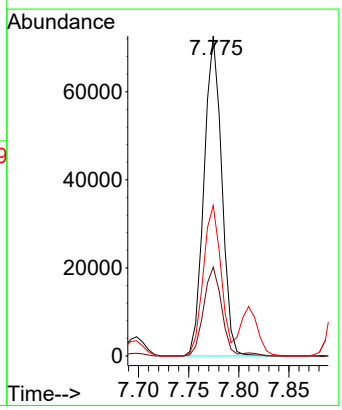


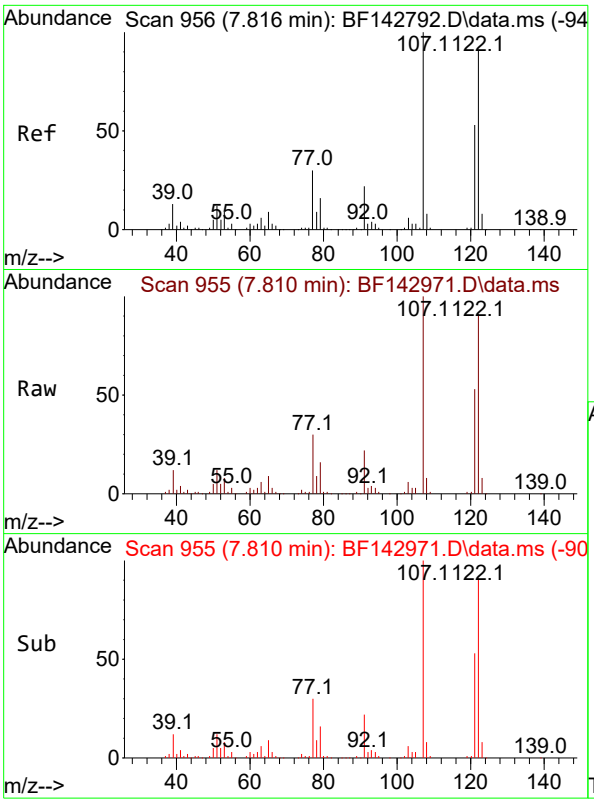


#26
2-Nitrophenol
Concen: 46.014 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:139 Resp: 89684

Ion	Ratio	Lower	Upper
139	100		
109	27.7	22.7	34.1
65	47.0	38.6	58.0



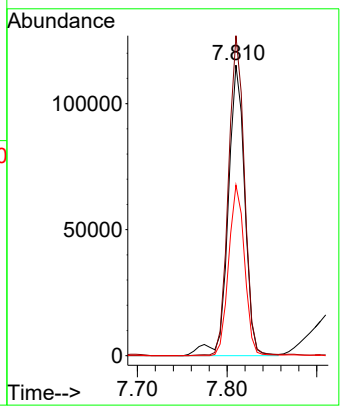


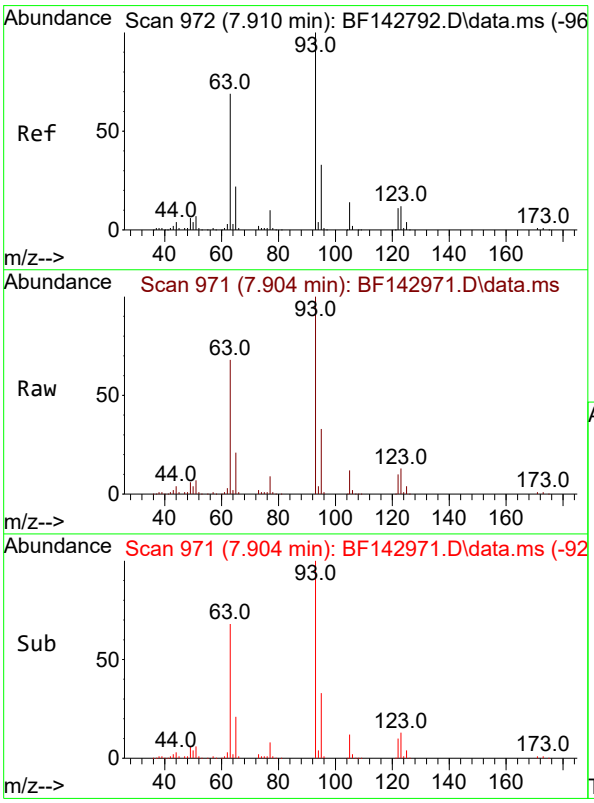
#27
2,4-Dimethylphenol
Concen: 43.858 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:122 Resp: 148069

Ion	Ratio	Lower	Upper
122	100		
107	110.1	88.0	132.0
121	58.7	46.3	69.5

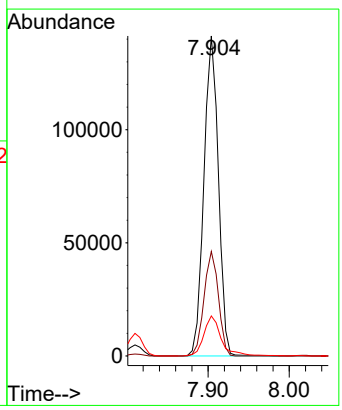


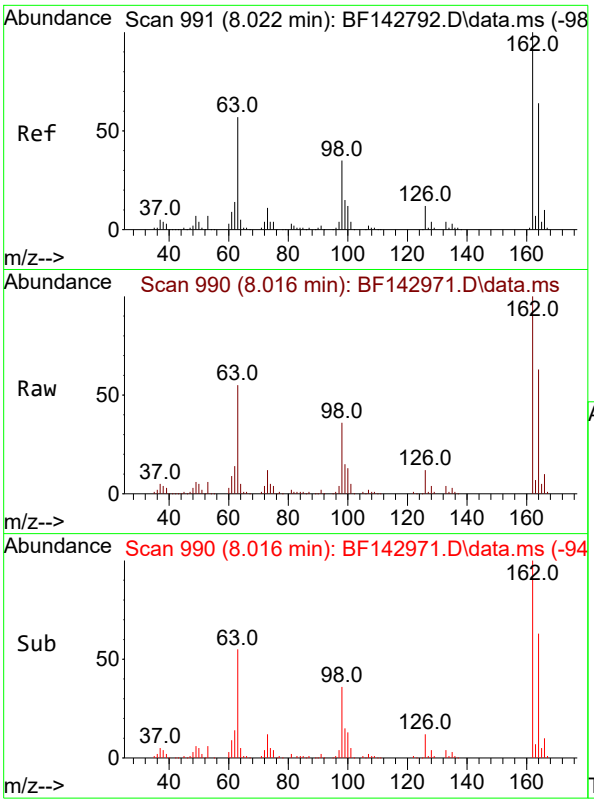


#28
bis(2-Chloroethoxy)methane
Concen: 43.261 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion: 93 Resp: 174411

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.2
123	12.5	9.9	14.9



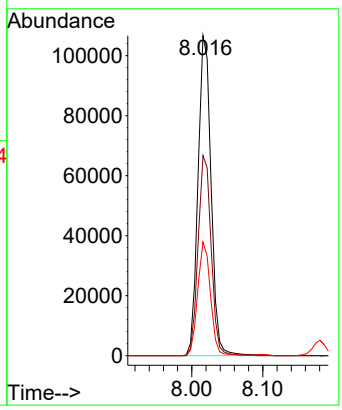


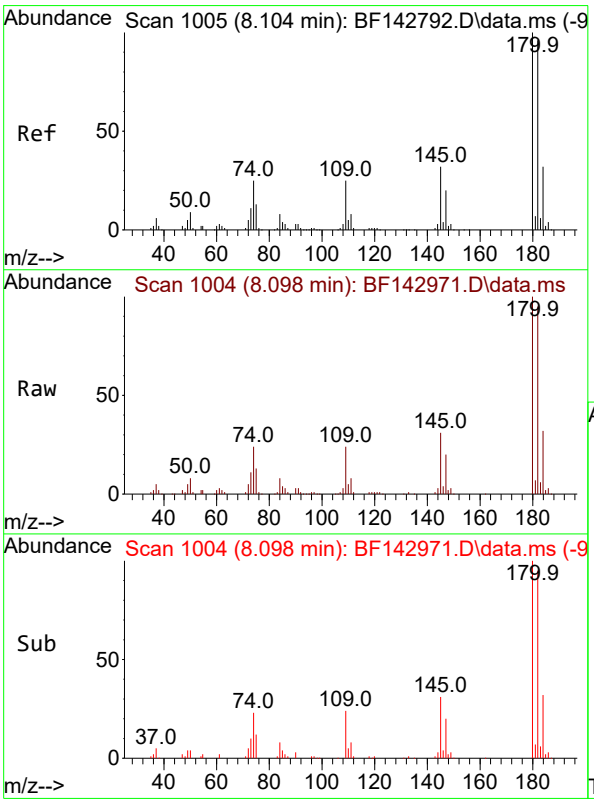
#29
2,4-Dichlorophenol
Concen: 44.700 ng
RT: 8.016 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:162 Resp: 136833

Ion	Ratio	Lower	Upper
162	100		
164	62.6	44.0	84.0
98	35.6	15.4	55.4

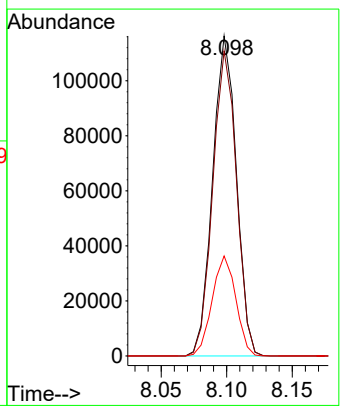


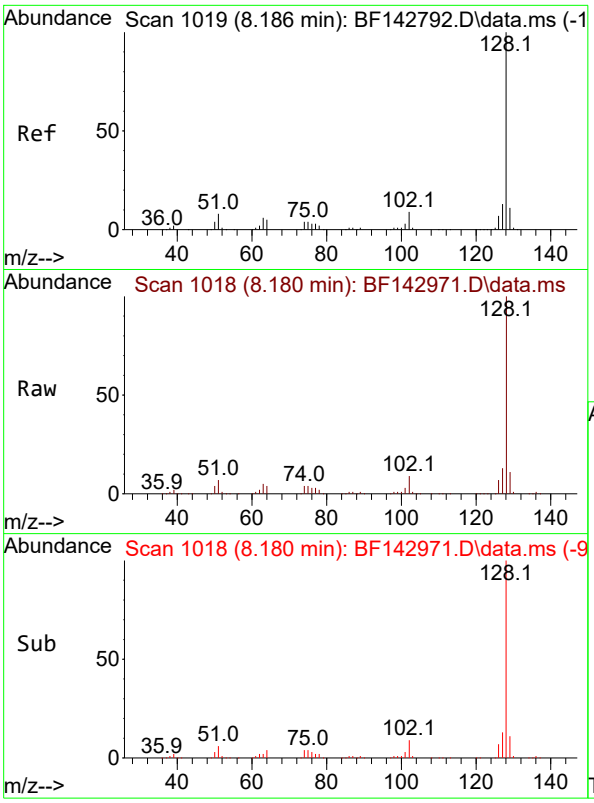


#30
1,2,4-Trichlorobenzene
Concen: 43.415 ng
RT: 8.098 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:180 Resp: 146140

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.4	114.6
145	31.2	25.8	38.8



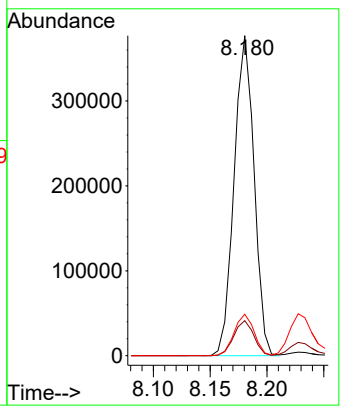


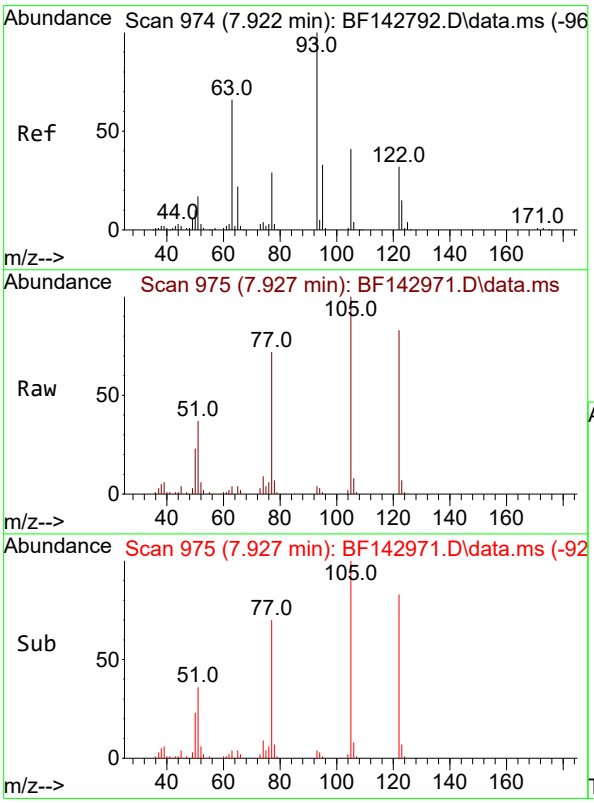
#31
Naphthalene
Concen: 43.393 ng
RT: 8.180 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:128 Resp: 460550

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.0	10.4	15.6

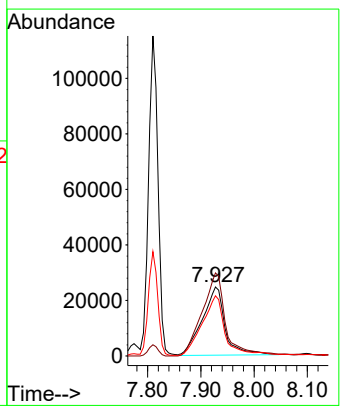


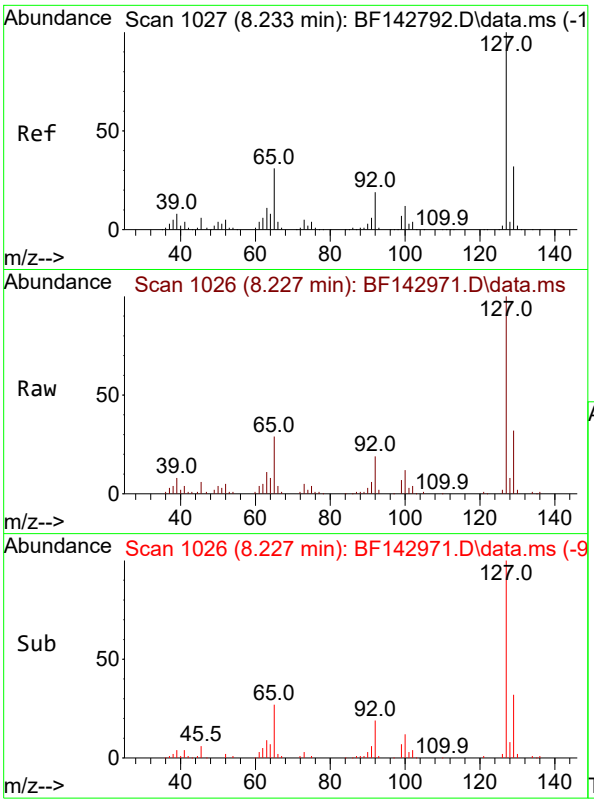


#32
Benzoic acid
Concen: 42.643 ng
RT: 7.927 min Scan# 975
Delta R.T. 0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:122 Resp: 73378

Ion	Ratio	Lower	Upper
122	100		
105	120.6	104.7	144.7
77	87.4	70.2	110.2



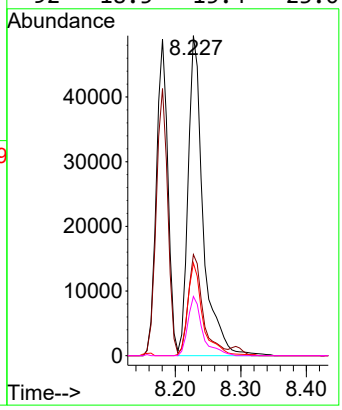


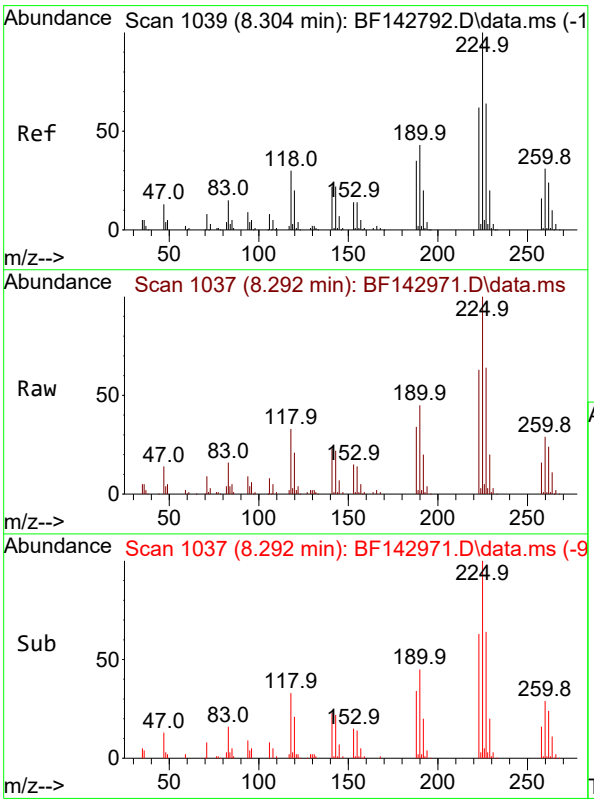
#33
4-Chloroaniline
Concen: 18.240 ng
RT: 8.227 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:127 Resp: 78716

Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.9	38.9
65	28.9	24.6	36.8
92	18.5	15.4	23.0

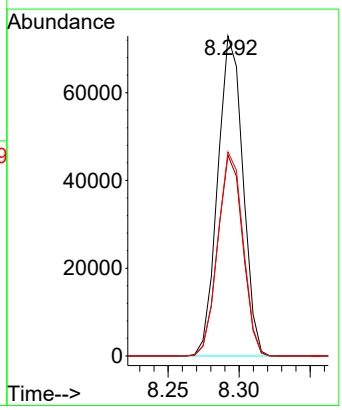


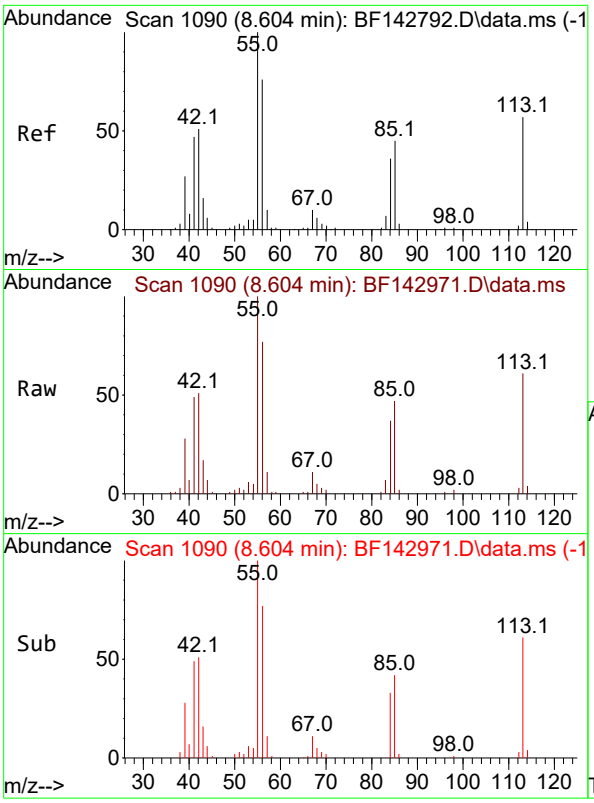


#34
Hexachlorobutadiene
Concen: 43.520 ng
RT: 8.292 min Scan# 1037
Delta R.T. -0.012 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:225 Resp: 89607

Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.9	74.9
227	63.7	51.4	77.0



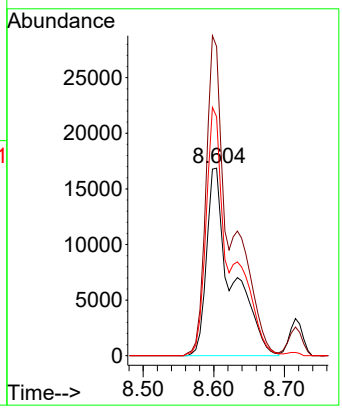


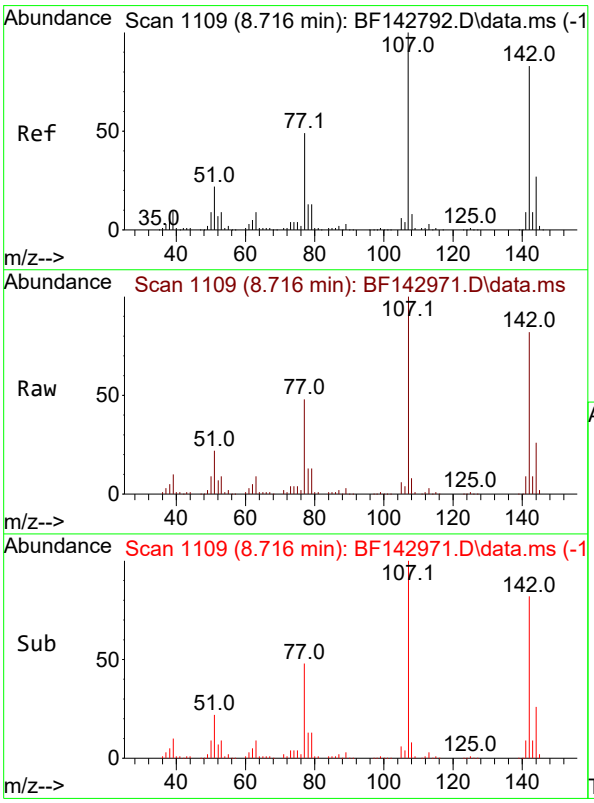
#35
Caprolactam
Concen: 51.790 ng m
RT: 8.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:113 Resp: 41835

Ion	Ratio	Lower	Upper
113	100		
55	164.8	154.4	194.4
56	127.4	112.1	152.1

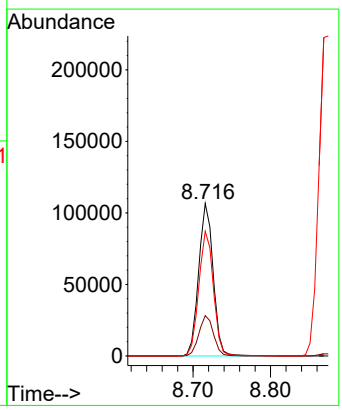


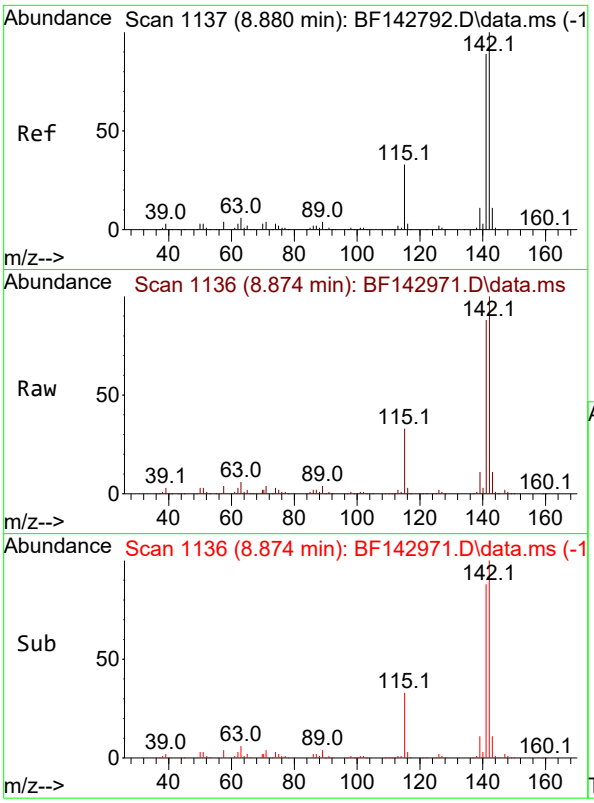


#36
4-Chloro-3-methylphenol
Concen: 45.586 ng
RT: 8.716 min Scan# 1109
Delta R.T. -0.000 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:107 Resp: 138688

Ion	Ratio	Lower	Upper
107	100		
144	26.4	21.3	31.9
142	81.8	66.6	100.0



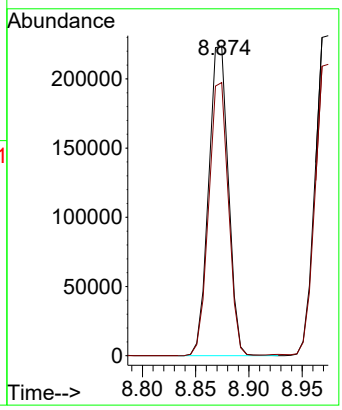


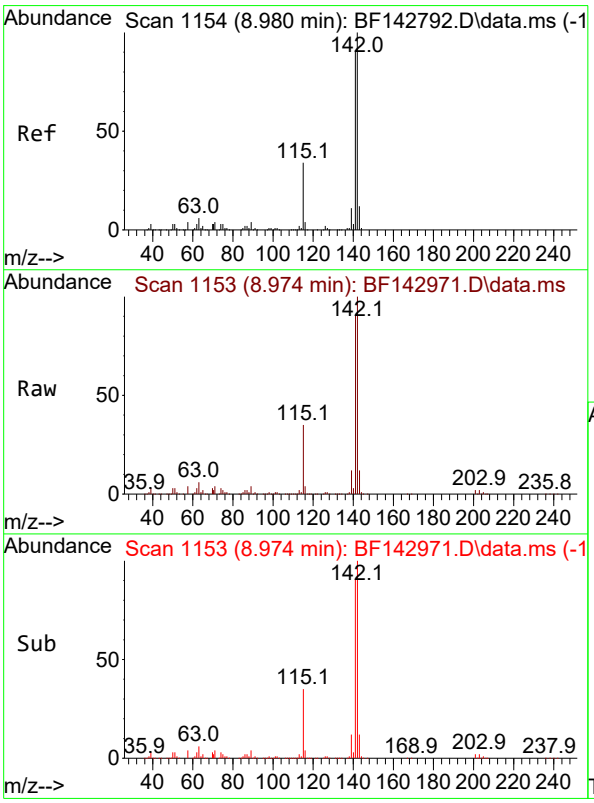
#37
2-Methylnaphthalene
Concen: 43.969 ng
RT: 8.874 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:142 Resp: 289318

Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.9	106.3

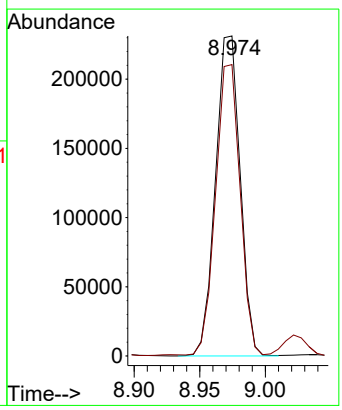


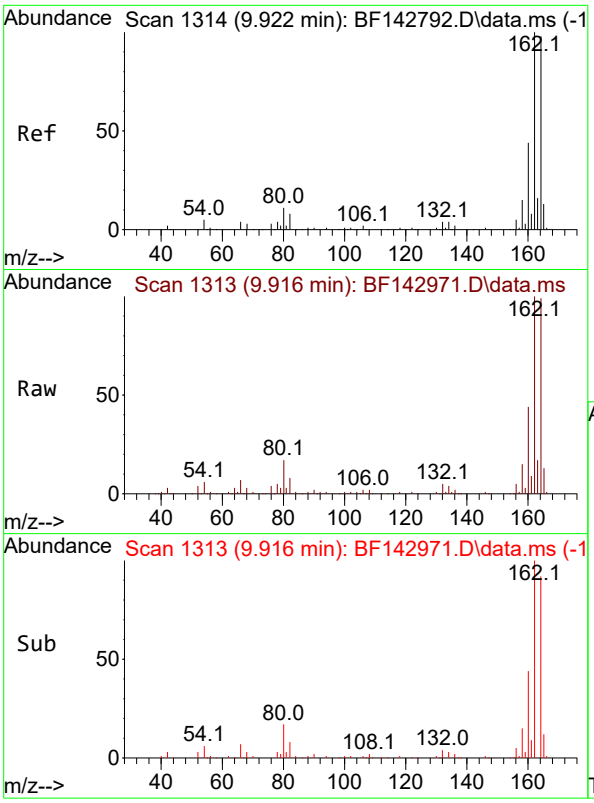


#38
1-Methylnaphthalene
Concen: 44.331 ng
RT: 8.974 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:142 Resp: 301963

Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.0	109.4



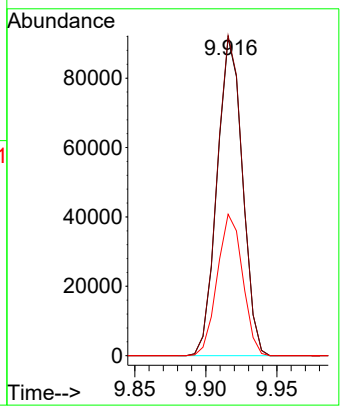


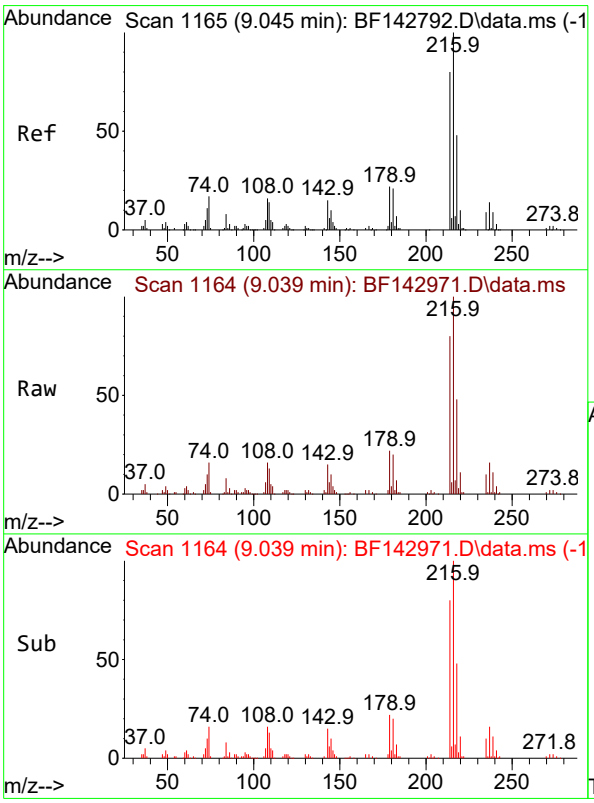
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:164 Resp: 113581

Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.8	122.8
160	44.5	36.0	54.0

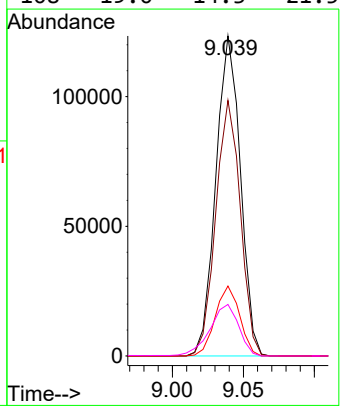


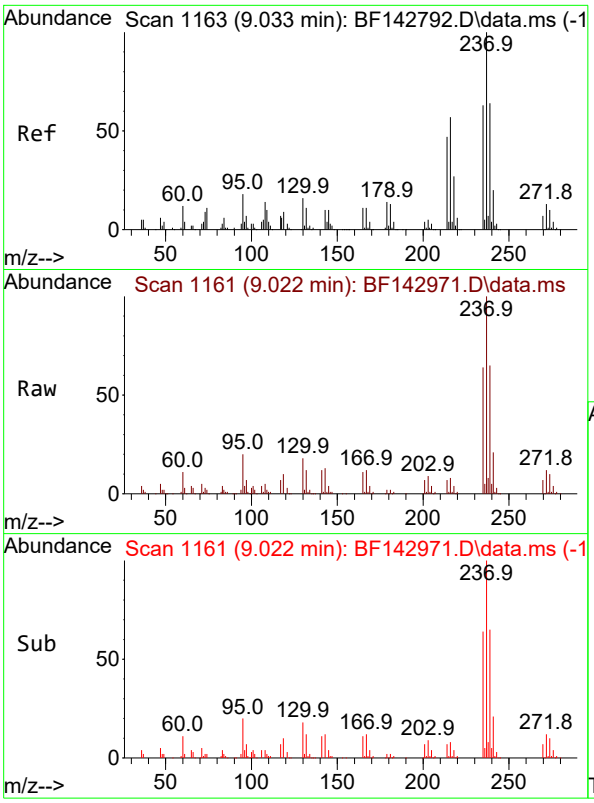


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.276 ng
RT: 9.039 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:216 Resp: 148386

Ion	Ratio	Lower	Upper
216	100		
214	79.8	63.7	95.5
179	21.7	17.6	26.4
108	19.0	14.3	21.5



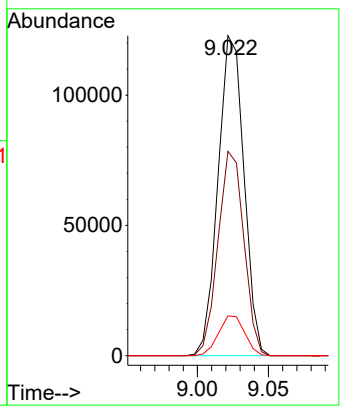


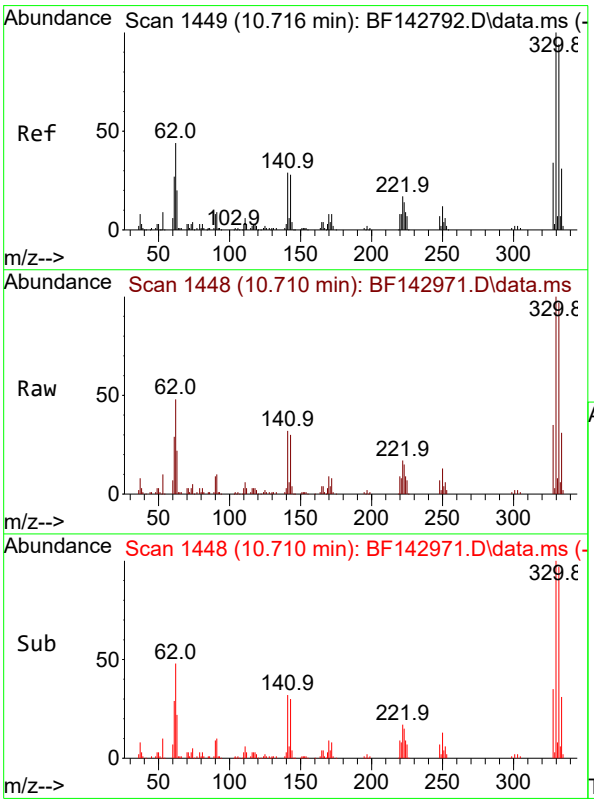
#41
Hexachlorocyclopentadiene
Concen: 81.870 ng
RT: 9.022 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:237 Resp: 155705

Ion	Ratio	Lower	Upper
237	100		
235	63.8	43.4	83.4
272	12.5	0.0	32.7

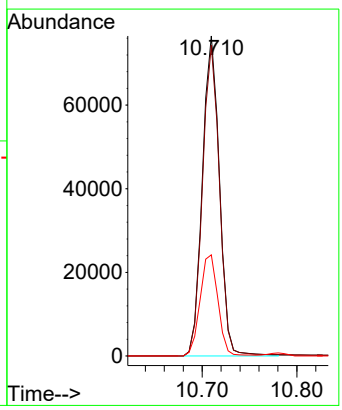


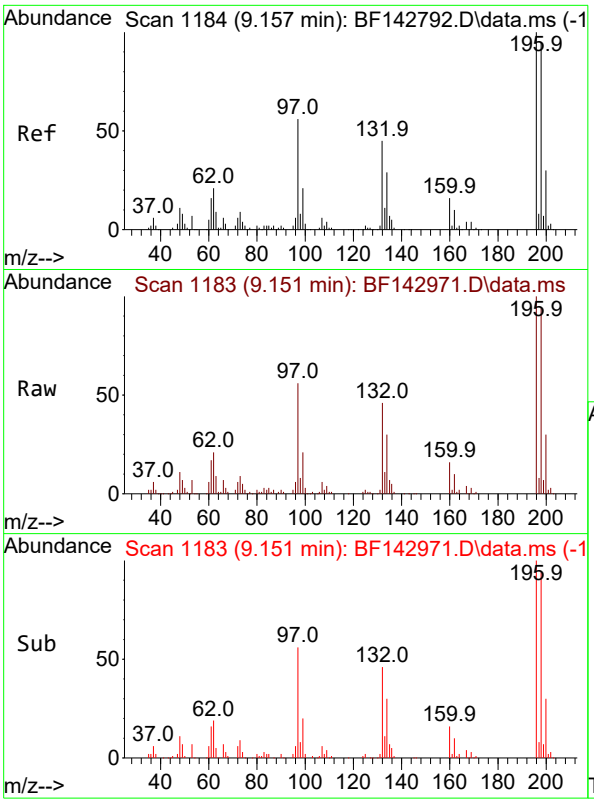


#42
2,4,6-Tribromophenol
Concen: 81.807 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:330 Resp: 95618

Ion	Ratio	Lower	Upper
330	100		
332	97.4	75.0	112.6
141	33.1	25.3	37.9



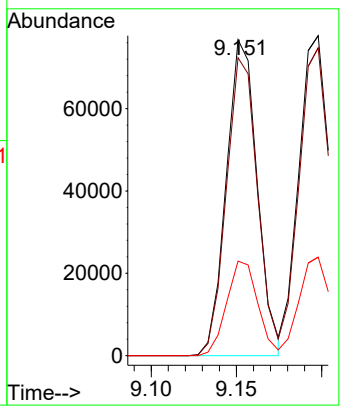


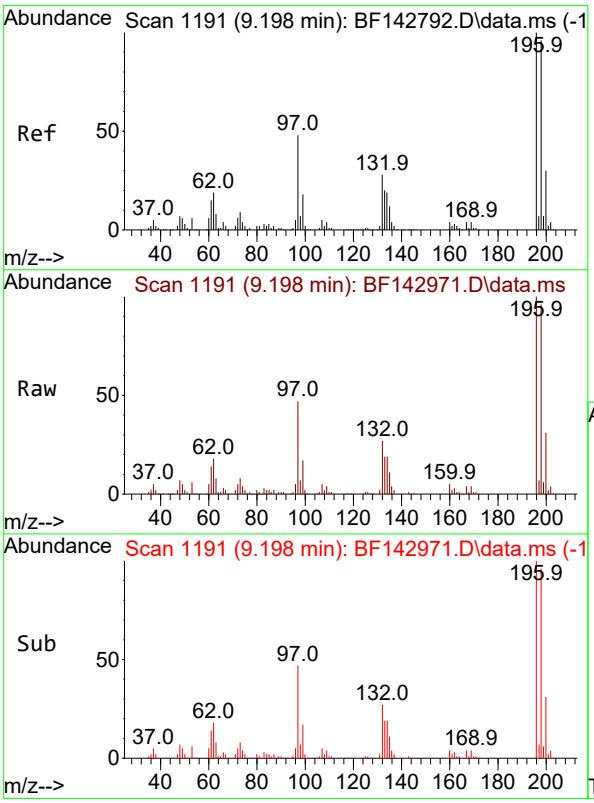
#43
2,4,6-Trichlorophenol
Concen: 44.414 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:196 Resp: 96995

Ion	Ratio	Lower	Upper
196	100		
198	94.3	76.2	114.2
200	29.9	24.1	36.1

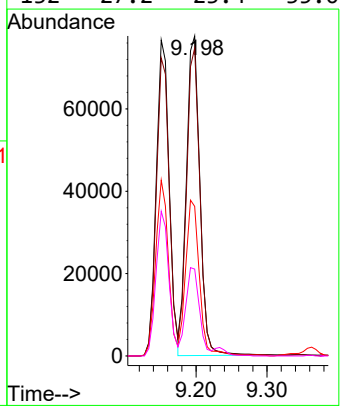


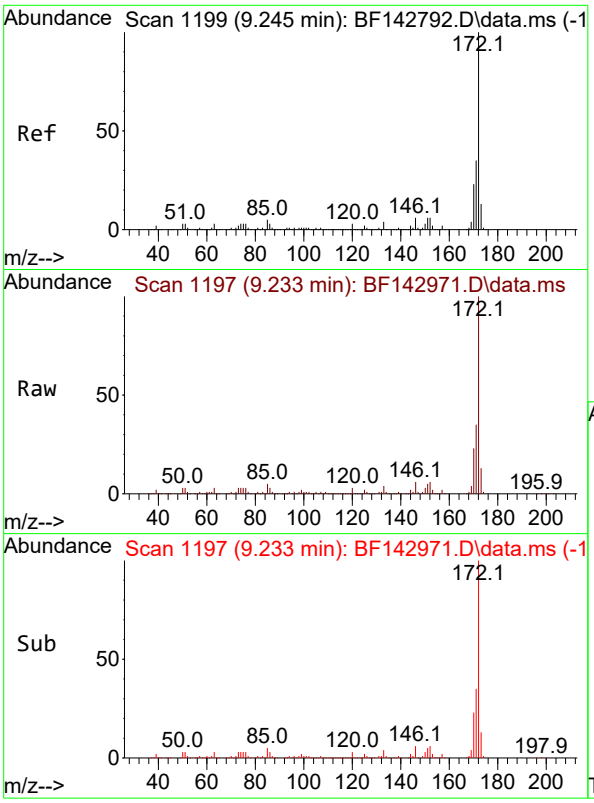


#44
2,4,5-Trichlorophenol
Concen: 44.662 ng
RT: 9.198 min Scan# 1191
Delta R.T. -0.000 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:196 Resp: 102673

Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.6	115.0
97	46.8	38.2	57.2
132	27.2	23.4	35.0



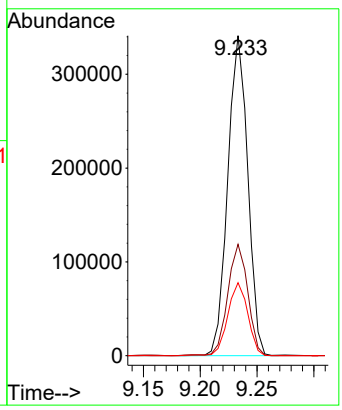


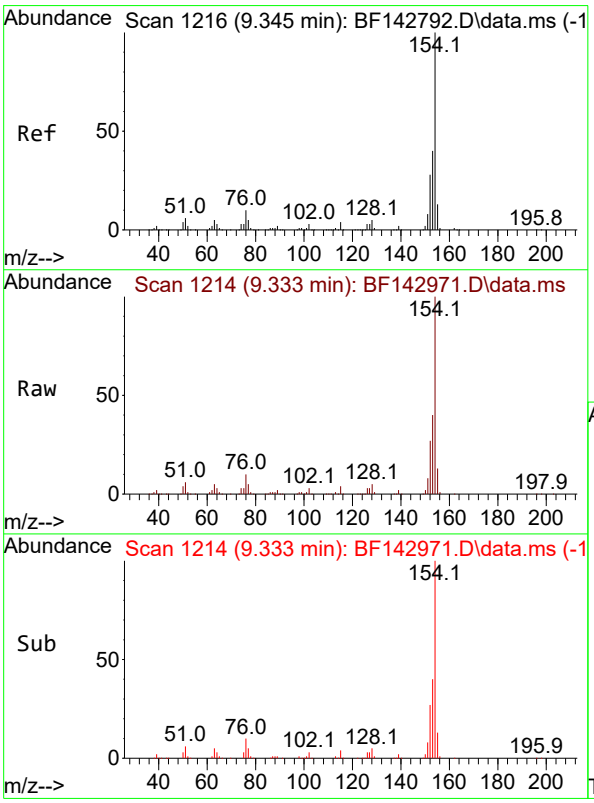
#45
2-Fluorobiphenyl
Concen: 48.207 ng
RT: 9.233 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:172 Resp: 416800

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.2	42.4
170	22.8	18.5	27.7

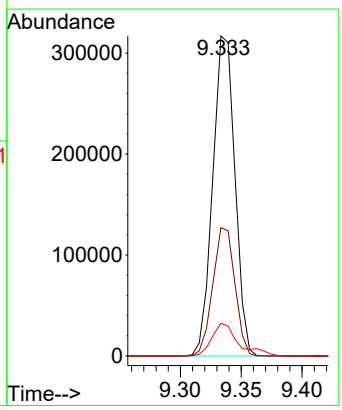


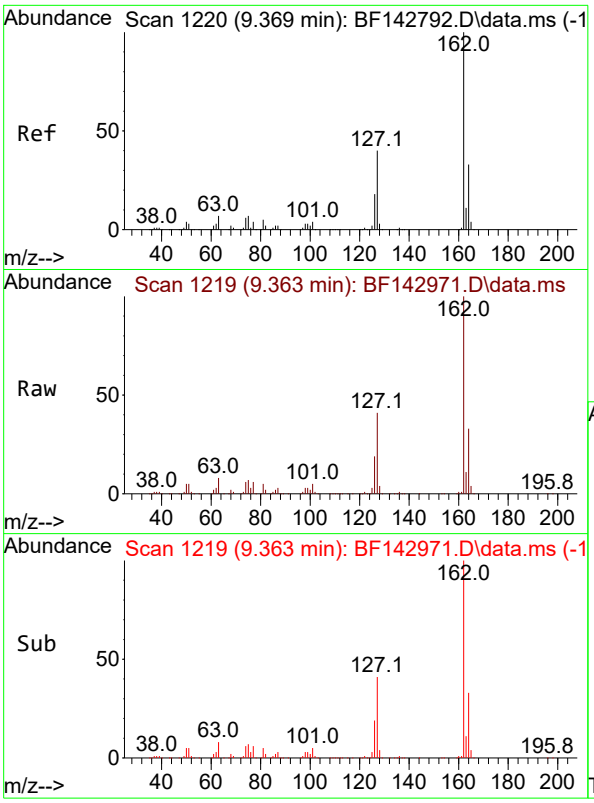


#46
1,1'-Biphenyl
Concen: 44.837 ng
RT: 9.333 min Scan# 1214
Delta R.T. -0.012 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:154 Resp: 402287

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.3	60.3
76	10.2	0.0	30.3



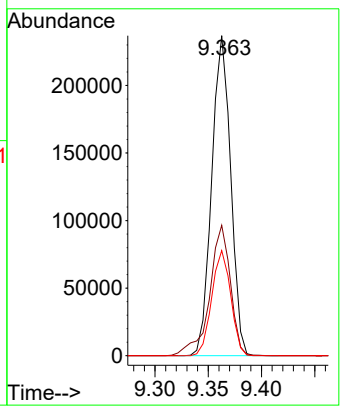


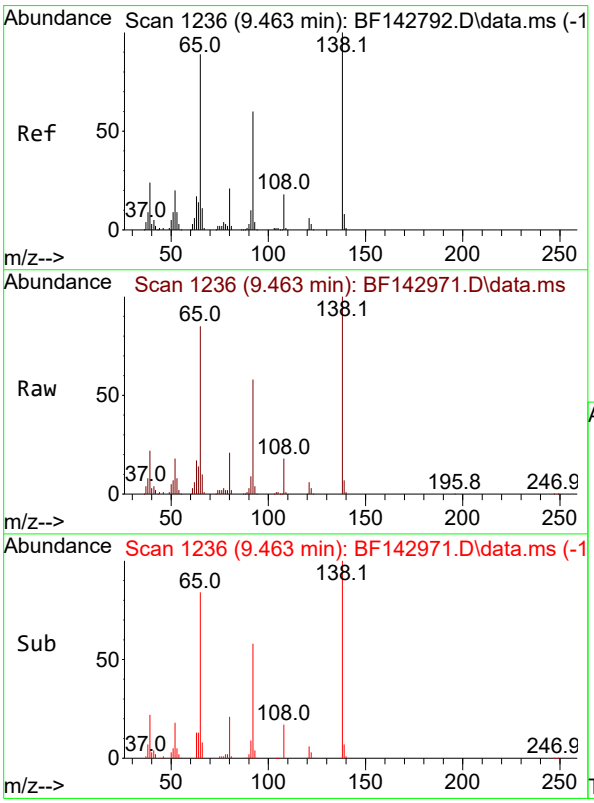
#47
2-Chloronaphthalene
Concen: 43.508 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:162 Resp: 292943

Ion	Ratio	Lower	Upper
162	100		
127	40.7	32.2	48.2
164	32.8	26.1	39.1

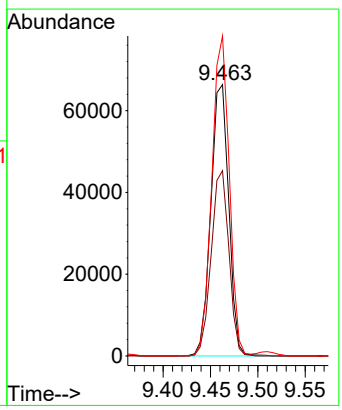


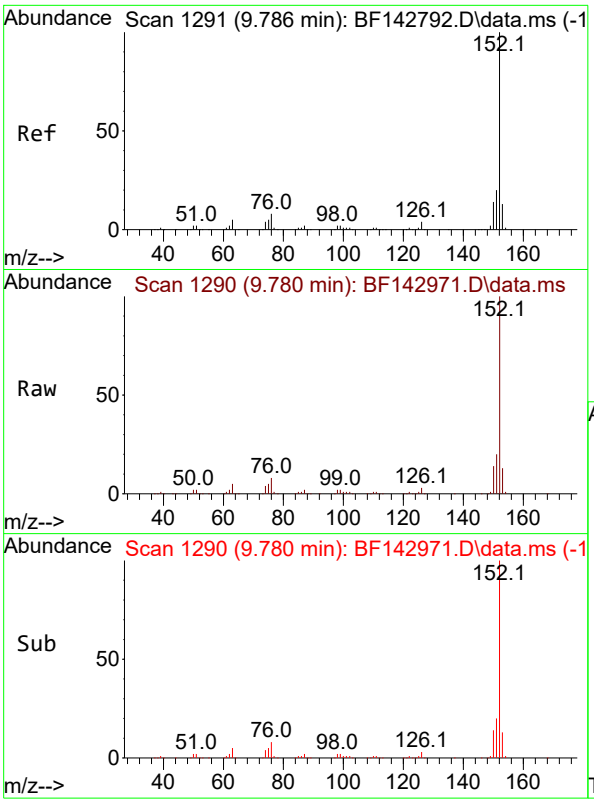


#48
2-Nitroaniline
Concen: 46.145 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.000 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion: 65 Resp: 87106

Ion	Ratio	Lower	Upper
65	100		
92	68.3	53.8	80.6
138	117.9	89.6	134.4



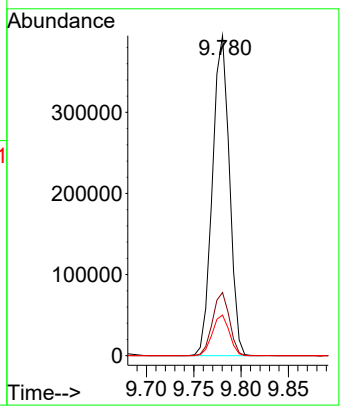


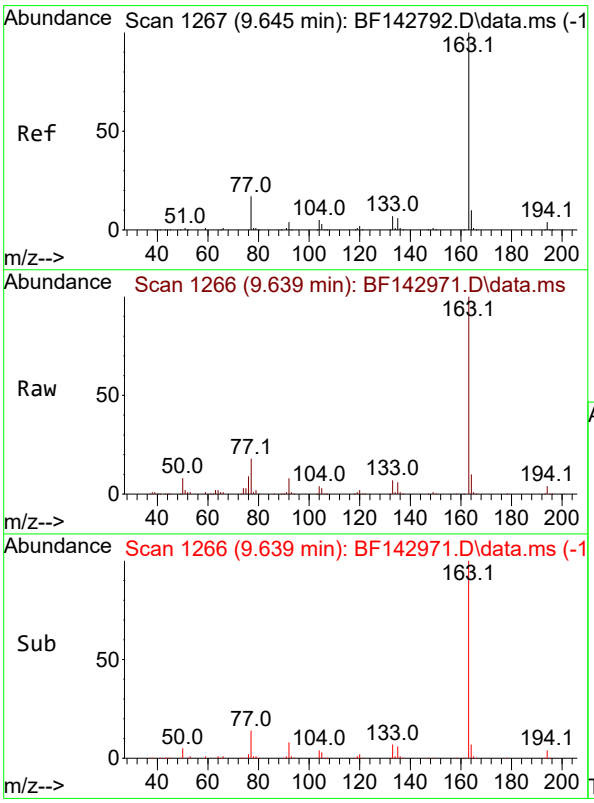
#49
Acenaphthylene
Concen: 44.365 ng
RT: 9.780 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:152 Resp: 491743

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.1	24.1
153	12.7	10.4	15.6

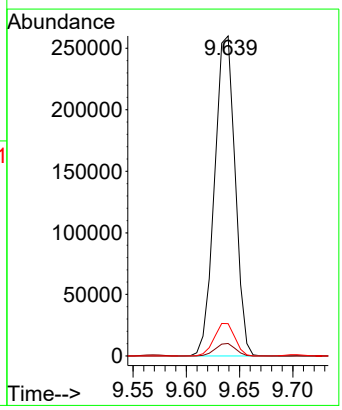


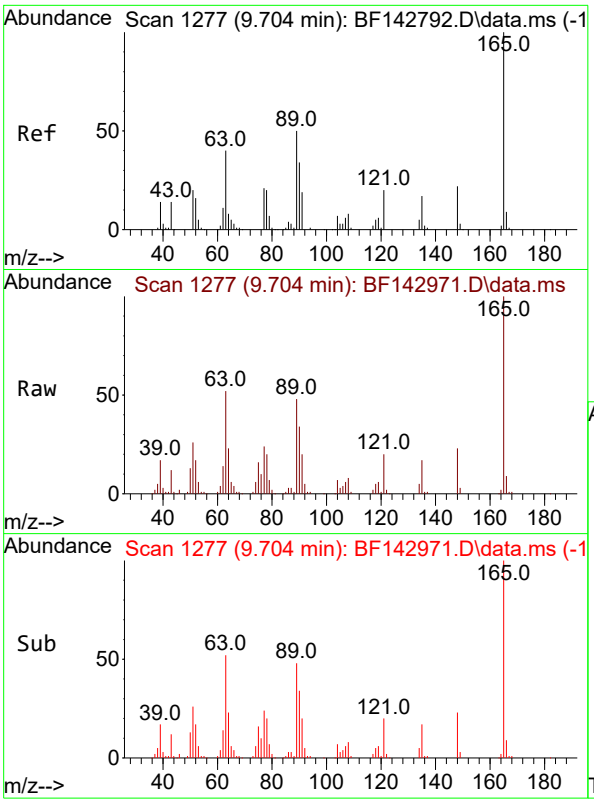


#50
Dimethylphthalate
Concen: 47.346 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:163 Resp: 348094

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.1	8.0	12.0



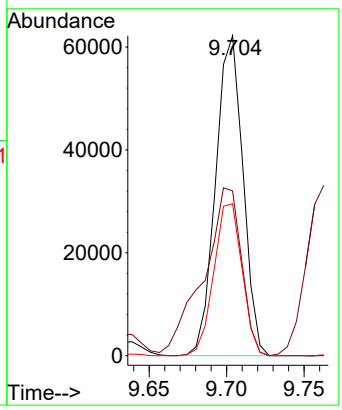


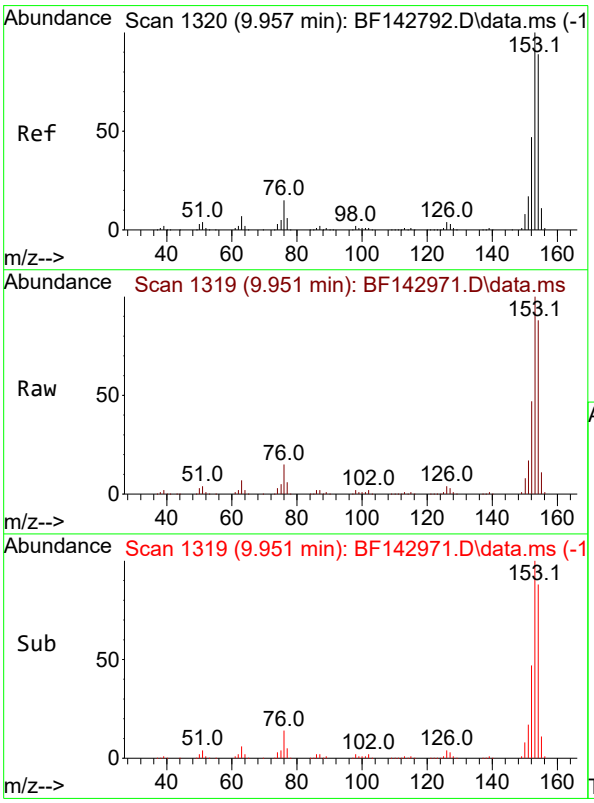
#51
2,6-Dinitrotoluene
Concen: 47.334 ng
RT: 9.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:165 Resp: 76426

Ion	Ratio	Lower	Upper
165	100		
63	51.5	44.2	66.4
89	47.5	39.8	59.8

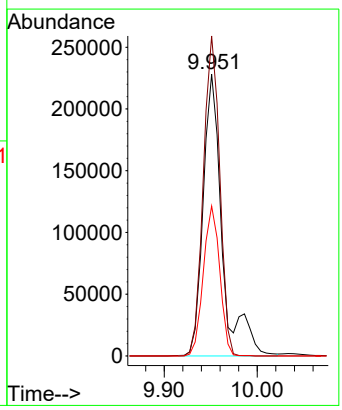


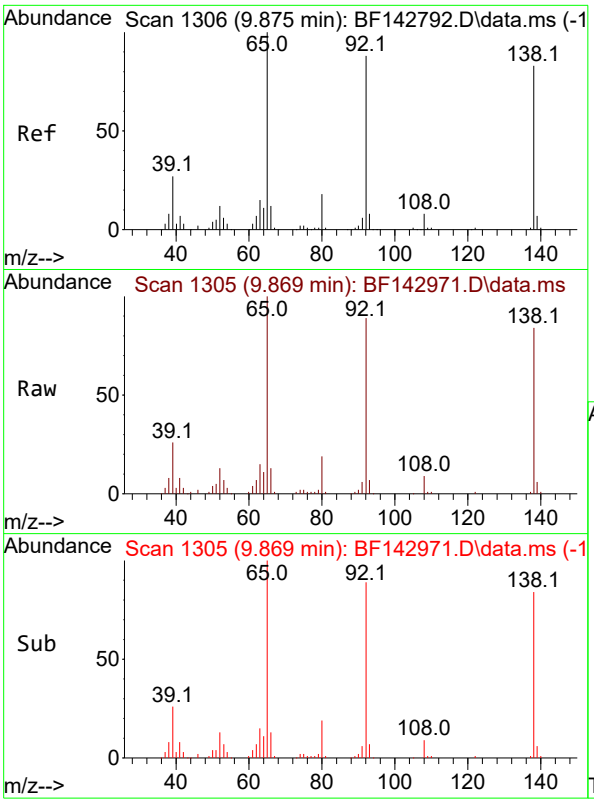


#52
Acenaphthene
Concen: 48.096 ng m
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:154 Resp: 325254

Ion	Ratio	Lower	Upper
154	100		
153	113.5	90.0	135.0
152	53.2	41.9	62.9



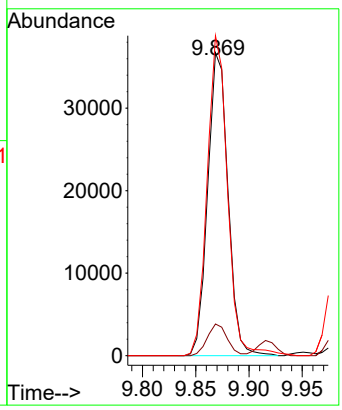


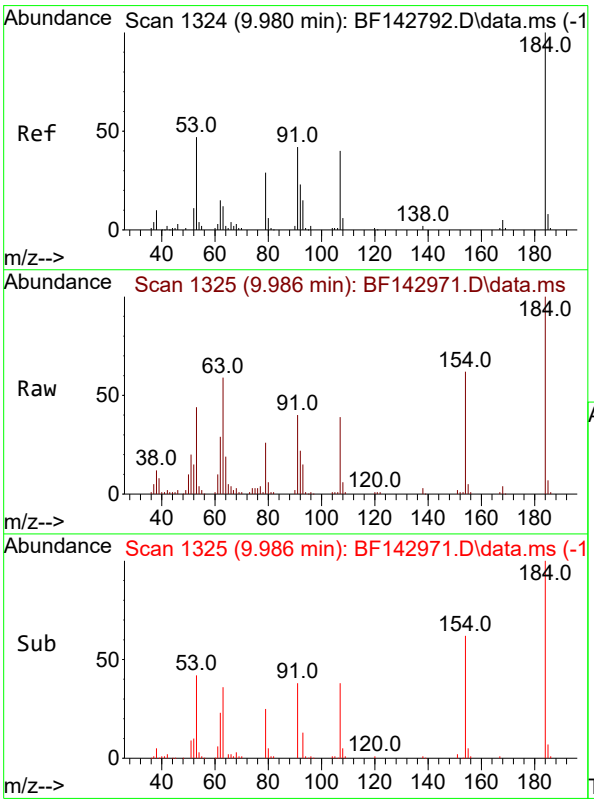
#53
3-Nitroaniline
Concen: 27.410 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:138 Resp: 48726

Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.1	12.1
92	105.7	85.1	127.7

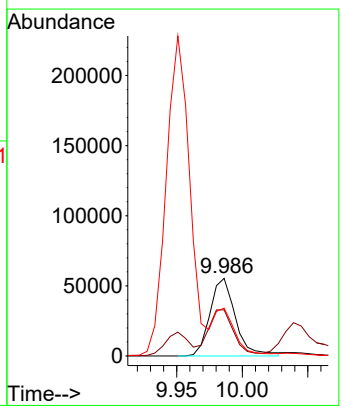


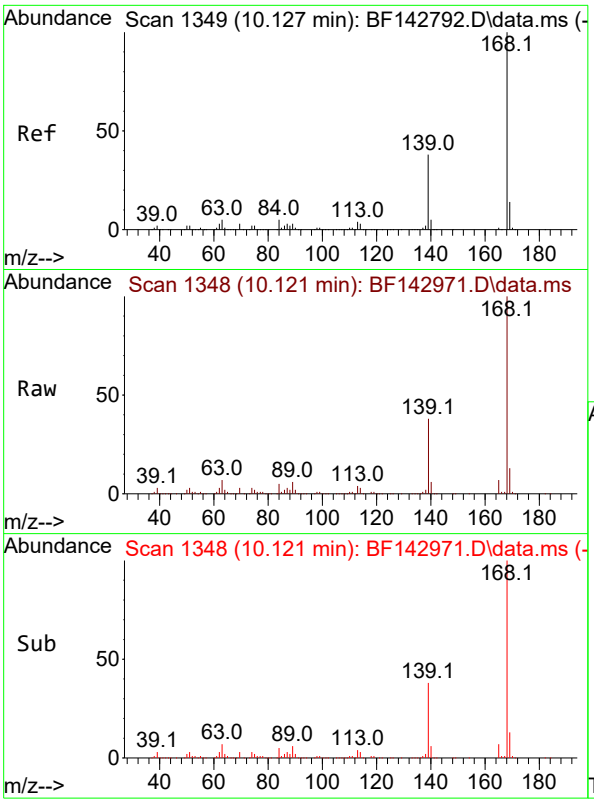


#54
2,4-Dinitrophenol
Concen: 92.547 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:184 Resp: 74821

Ion	Ratio	Lower	Upper
184	100		
63	59.3	50.6	75.8
154	61.6	51.8	77.8



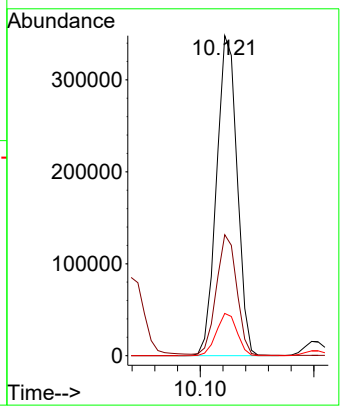


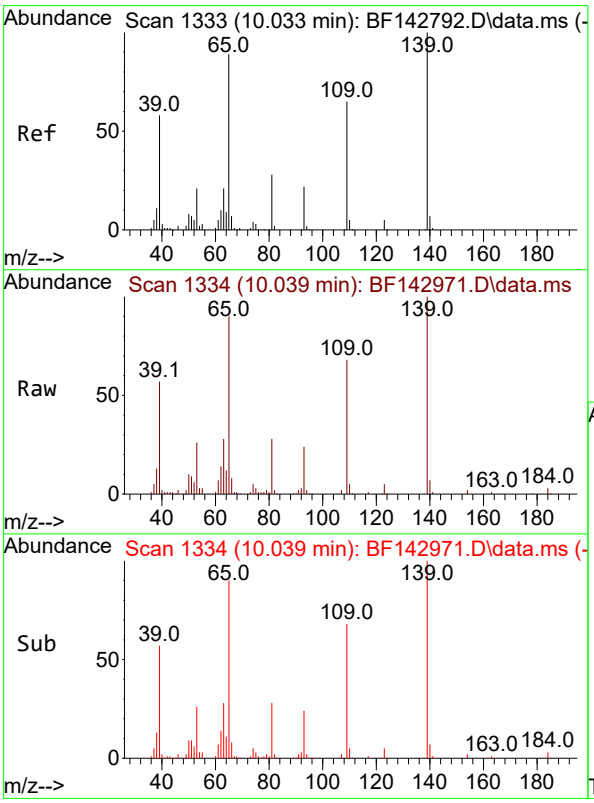
#55
Dibenzofuran
Concen: 45.297 ng
RT: 10.121 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:168 Resp: 439268

Ion	Ratio	Lower	Upper
168	100		
139	37.8	30.2	45.4
169	13.2	10.8	16.2

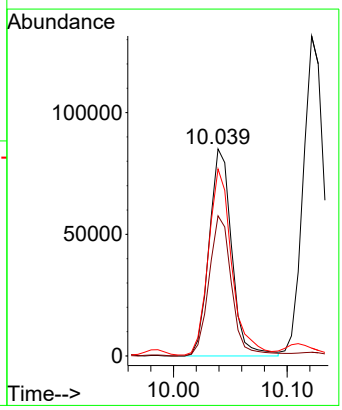


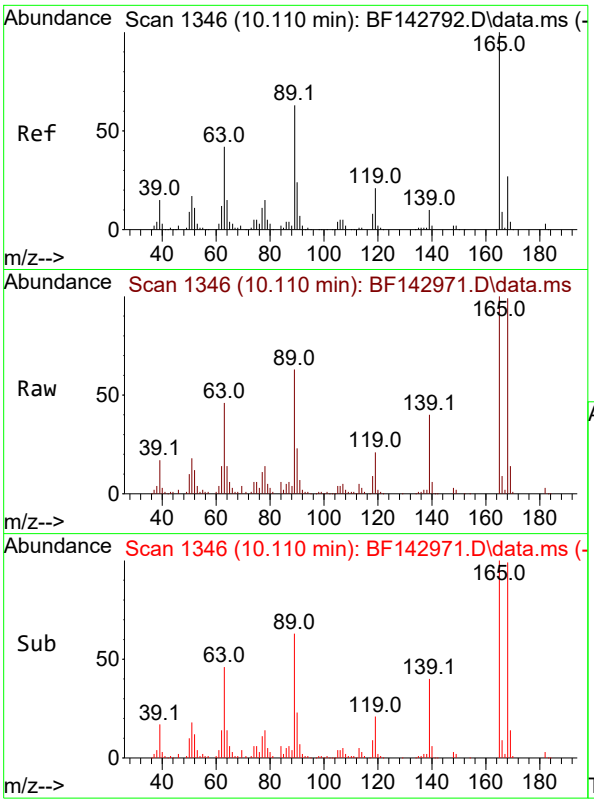


#56
4-Nitrophenol
Concen: 96.622 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:139 Resp: 117590

Ion	Ratio	Lower	Upper
139	100		
109	67.7	44.7	84.7
65	90.4	69.8	109.8



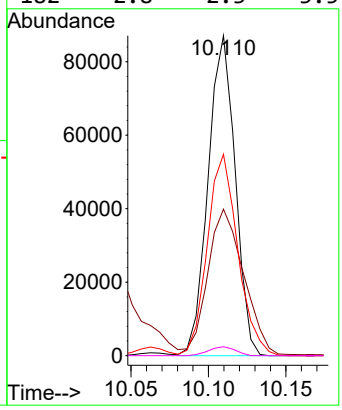


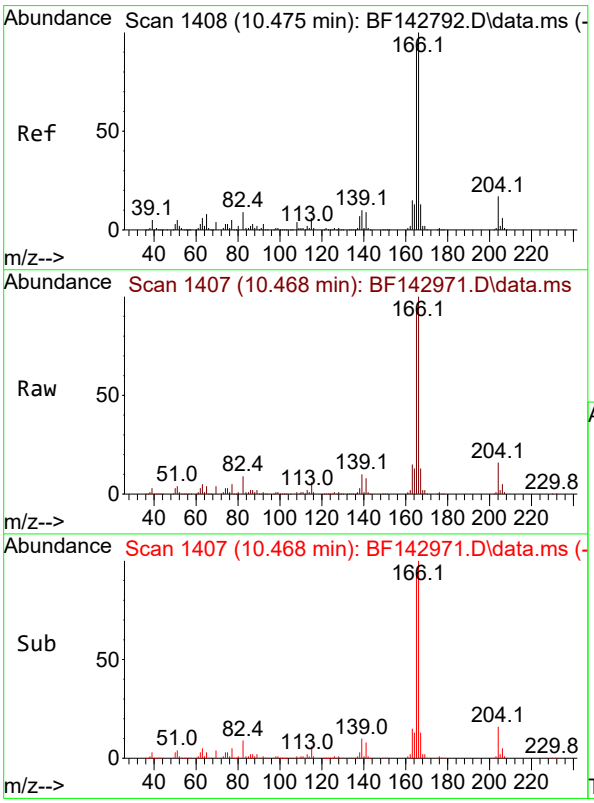
#57
2,4-Dinitrotoluene
Concen: 49.367 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:165 Resp: 105877

Ion	Ratio	Lower	Upper
165	100		
63	45.8	33.9	50.9
89	62.9	50.6	75.8
182	2.8	2.3	3.5

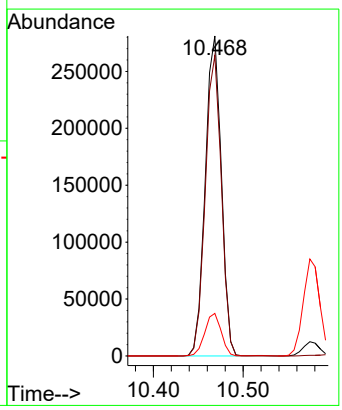


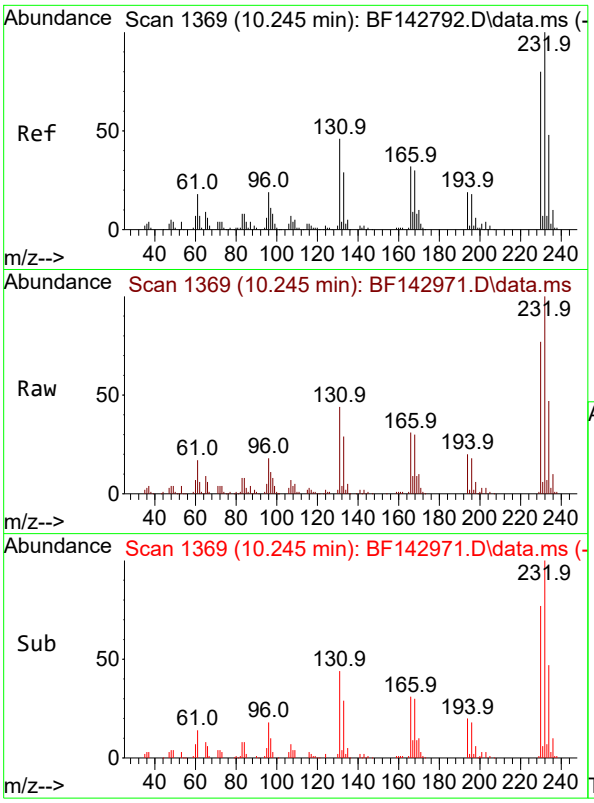


#58
Fluorene
Concen: 46.165 ng
RT: 10.468 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:166 Resp: 349636

Ion	Ratio	Lower	Upper
166	100		
165	93.9	75.2	112.8
167	13.3	10.6	15.8



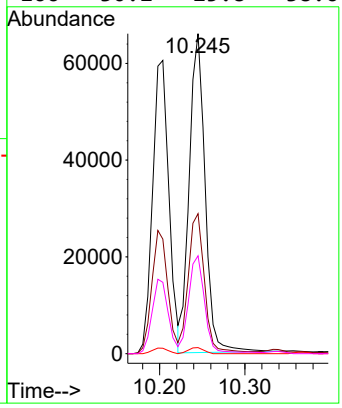


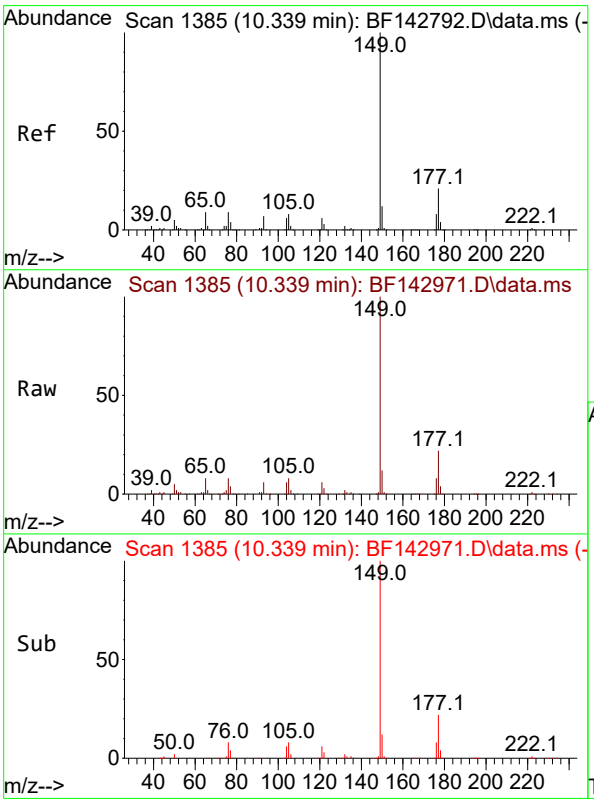
#59
2,3,4,6-Tetrachlorophenol
Concen: 45.961 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:232 Resp: 85167

Ion	Ratio	Lower	Upper
232	100		
131	45.0	37.6	56.4
130	1.9	1.7	2.5
166	30.2	25.8	38.6

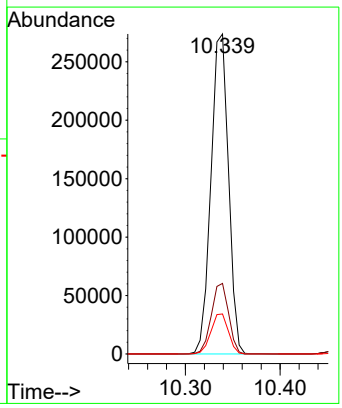


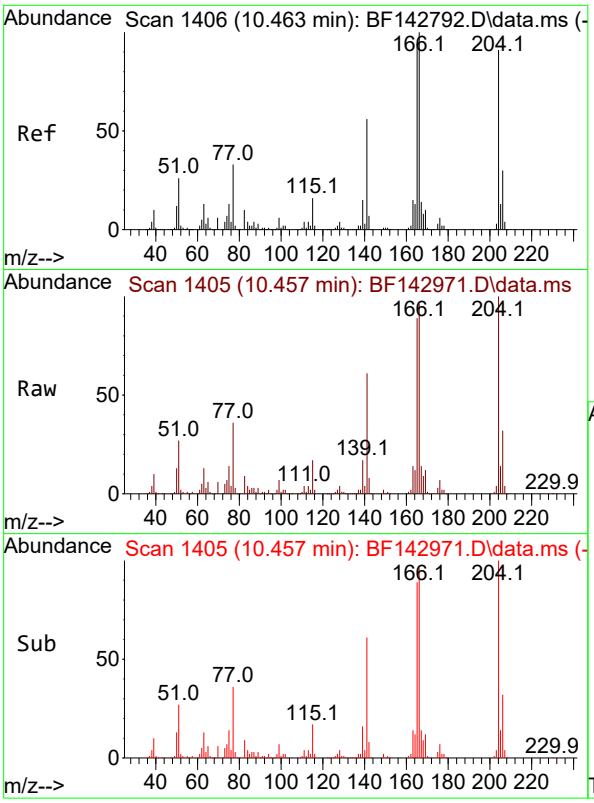


#60
Diethylphthalate
Concen: 48.772 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.000 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:149 Resp: 351584

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.0	25.6
150	12.5	9.8	14.6



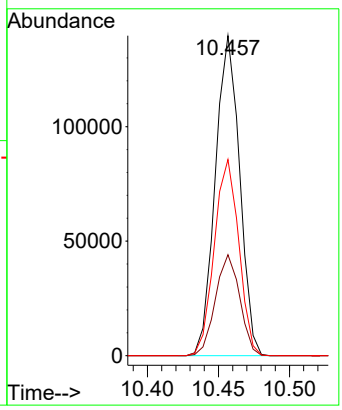


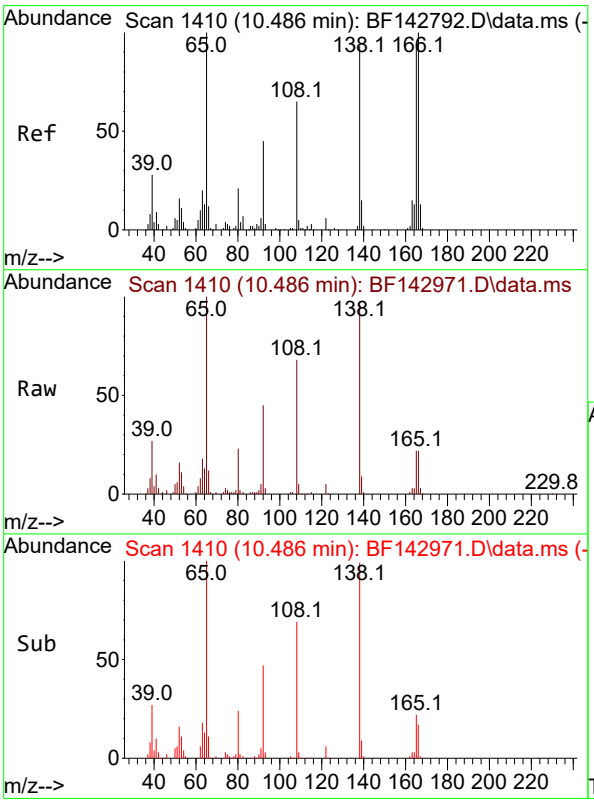
#61
4-Chlorophenyl-phenylether
Concen: 46.033 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:204 Resp: 166362

Ion	Ratio	Lower	Upper
204	100		
206	31.5	26.3	39.5
141	61.3	49.1	73.7

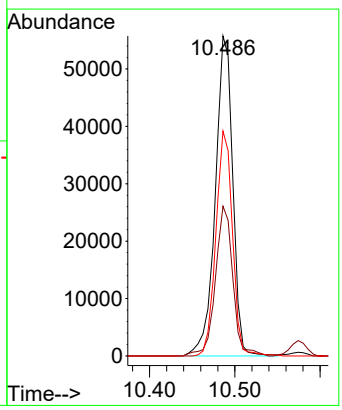


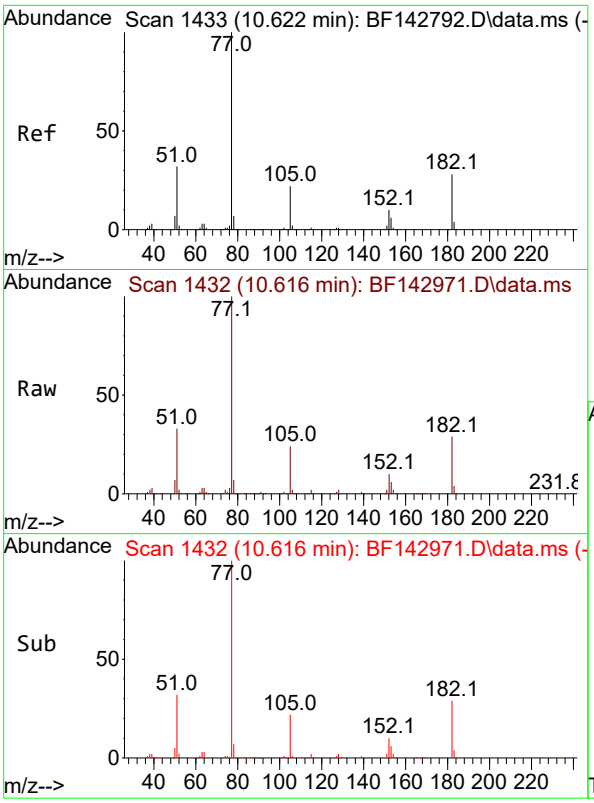


#62
4-Nitroaniline
Concen: 48.833 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:138 Resp: 79394

Ion	Ratio	Lower	Upper
138	100		
92	46.8	28.4	68.4
108	70.3	50.2	90.2



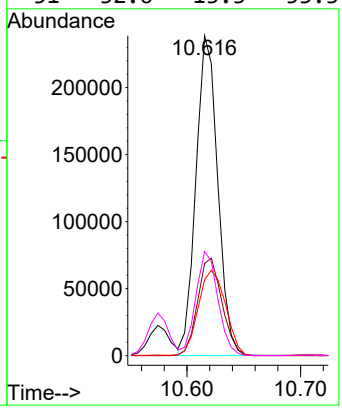


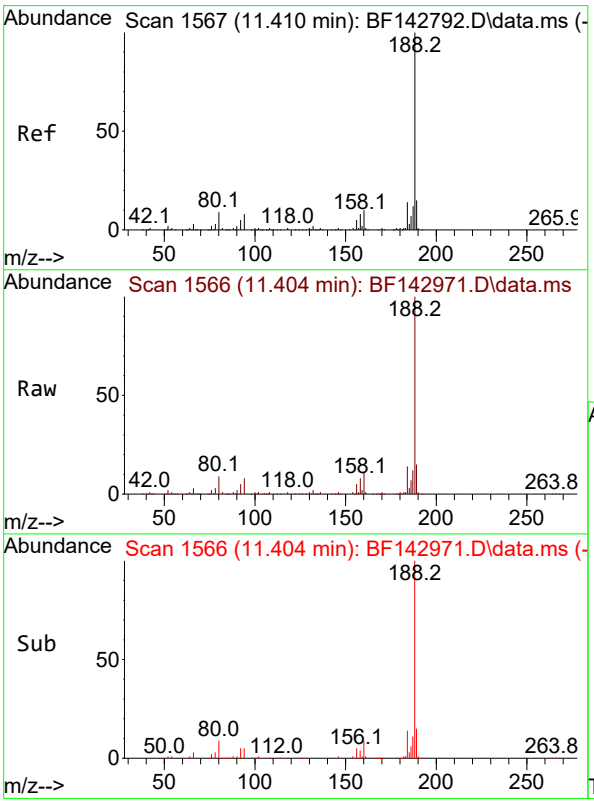
#63
Azobenzene
Concen: 49.302 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion: 77 Resp: 317643

Ion	Ratio	Lower	Upper
77	100		
182	28.8	7.7	47.7
105	23.7	1.9	41.9
51	32.6	13.3	53.3

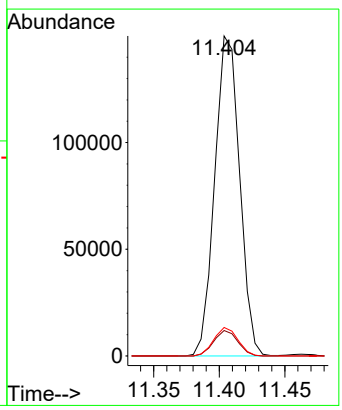


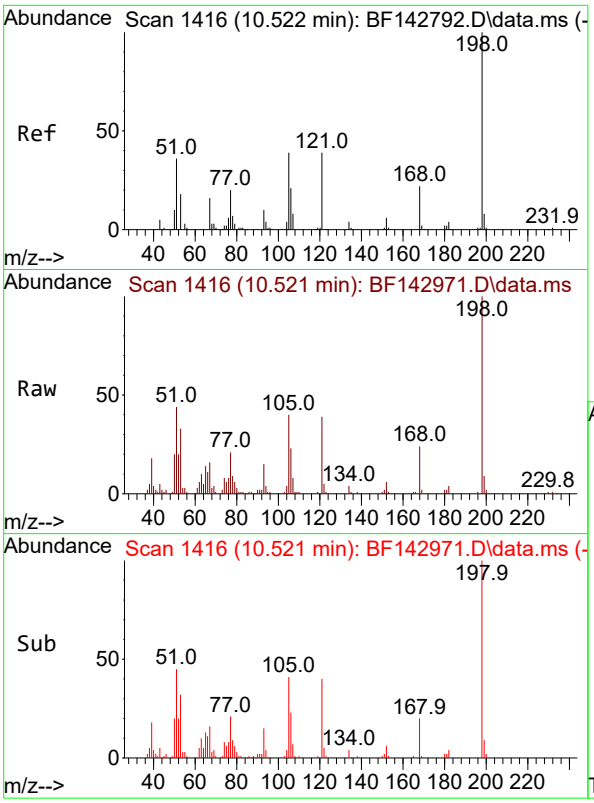


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:188 Resp: 197962

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.7	10.1
80	8.9	6.9	10.3



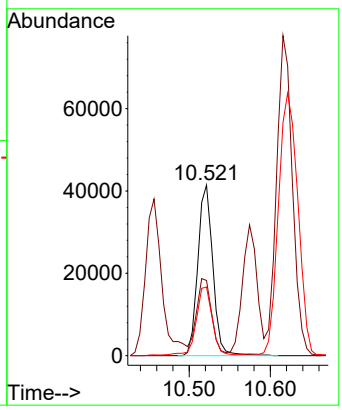


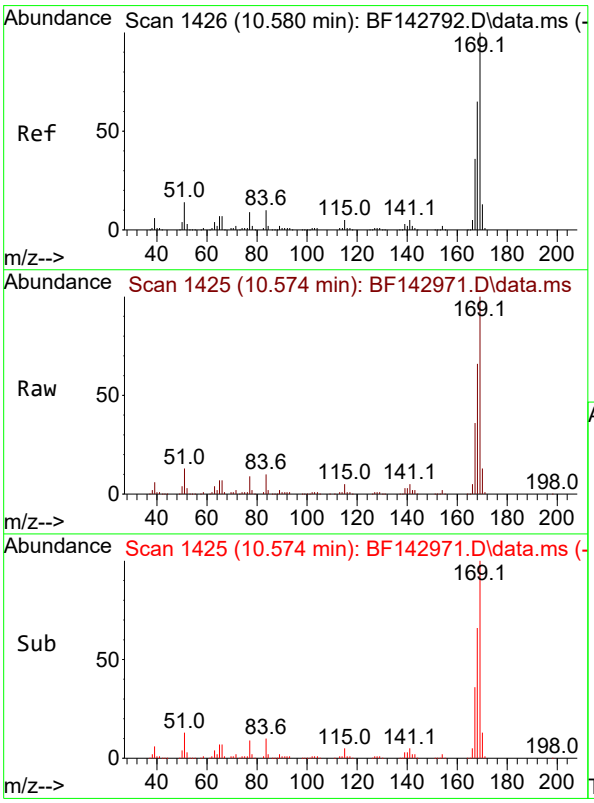
#65
4,6-Dinitro-2-methylphenol
Concen: 44.488 ng
RT: 10.521 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:198 Resp: 53270

Ion	Ratio	Lower	Upper
198	100		
51	44.1	25.4	65.4
105	40.3	20.4	60.4

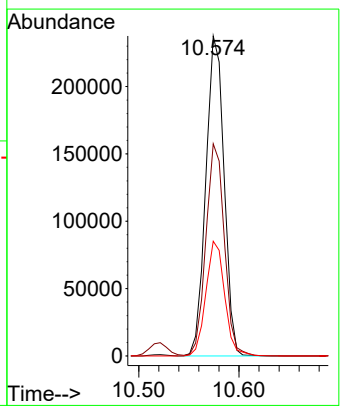


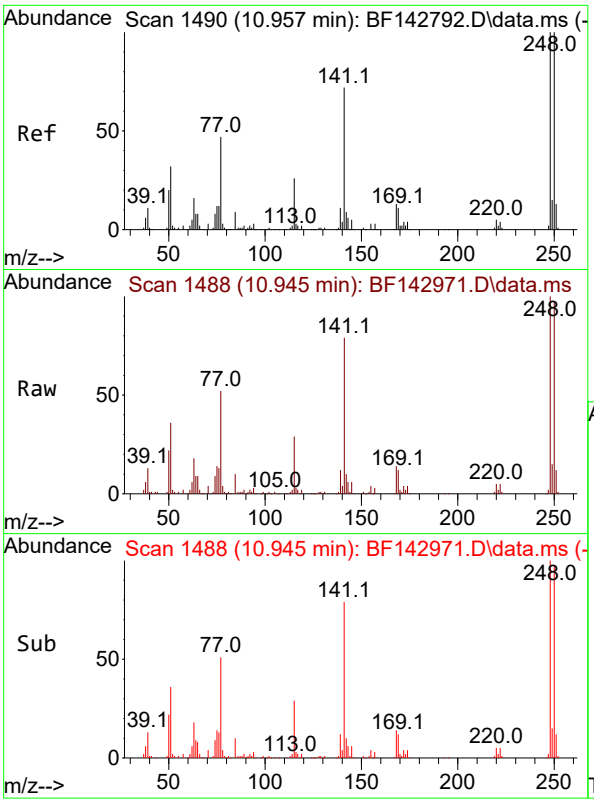


#66
n-Nitrosodiphenylamine
Concen: 43.845 ng
RT: 10.574 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:169 Resp: 300816

Ion	Ratio	Lower	Upper
169	100		
168	66.3	51.9	77.9
167	35.8	28.5	42.7



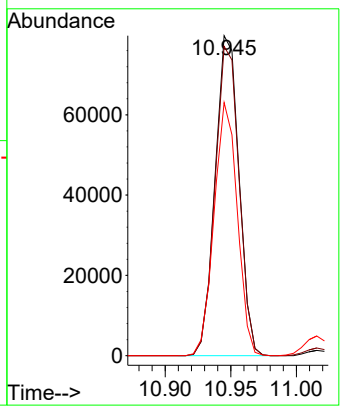


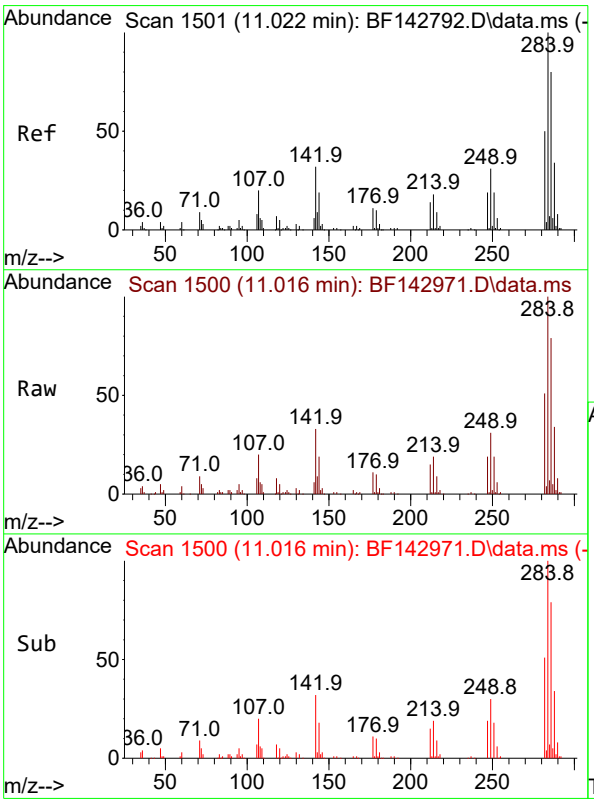
#67
4-Bromophenyl-phenylether
Concen: 44.736 ng
RT: 10.945 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:248 Resp: 100791

Ion	Ratio	Lower	Upper
248	100		
250	96.6	79.8	119.8
141	79.1	57.8	86.6

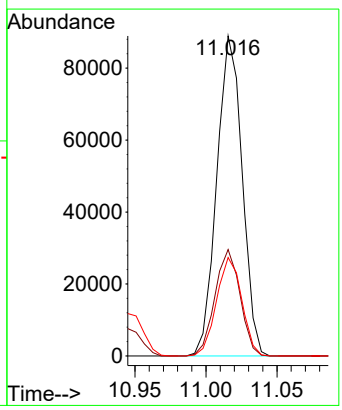


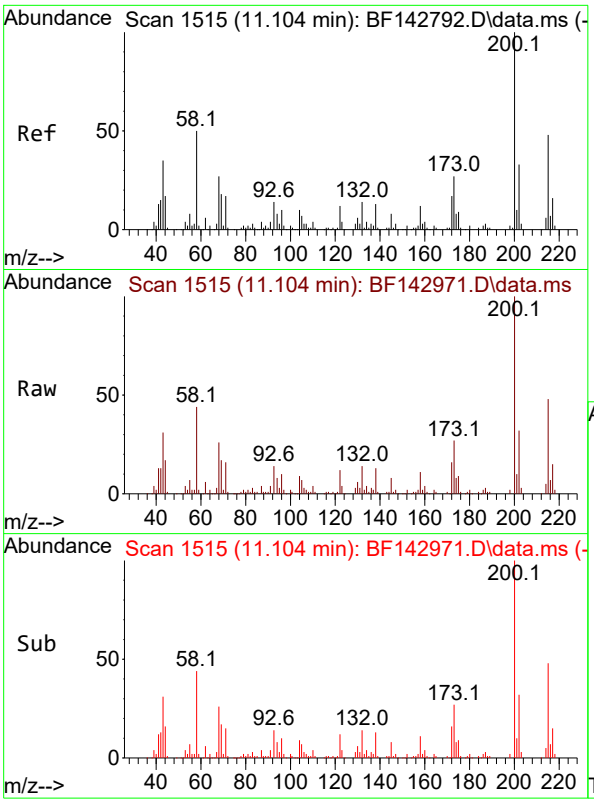


#68
Hexachlorobenzene
Concen: 44.155 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:284 Resp: 110539

Ion	Ratio	Lower	Upper
284	100		
142	33.3	25.5	38.3
249	30.8	24.9	37.3



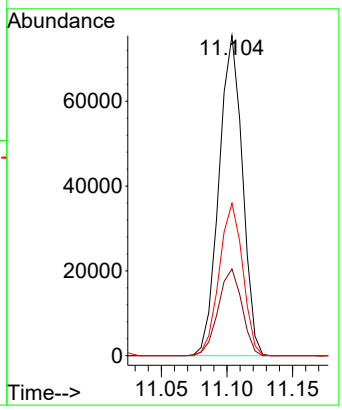


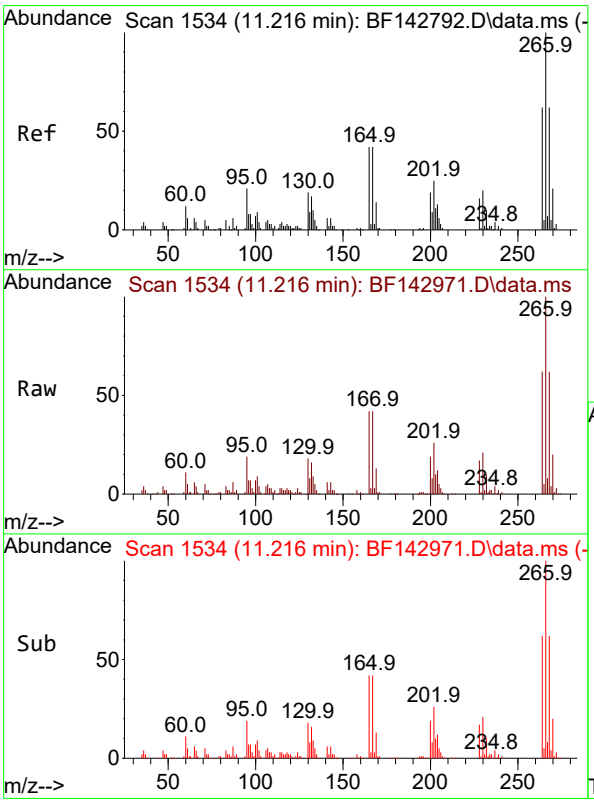
#69
Atrazine
Concen: 53.011 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:200 Resp: 93920

Ion	Ratio	Lower	Upper
200	100		
173	27.1	7.4	47.4
215	47.6	28.4	68.4

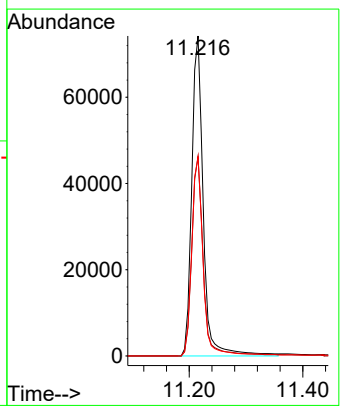


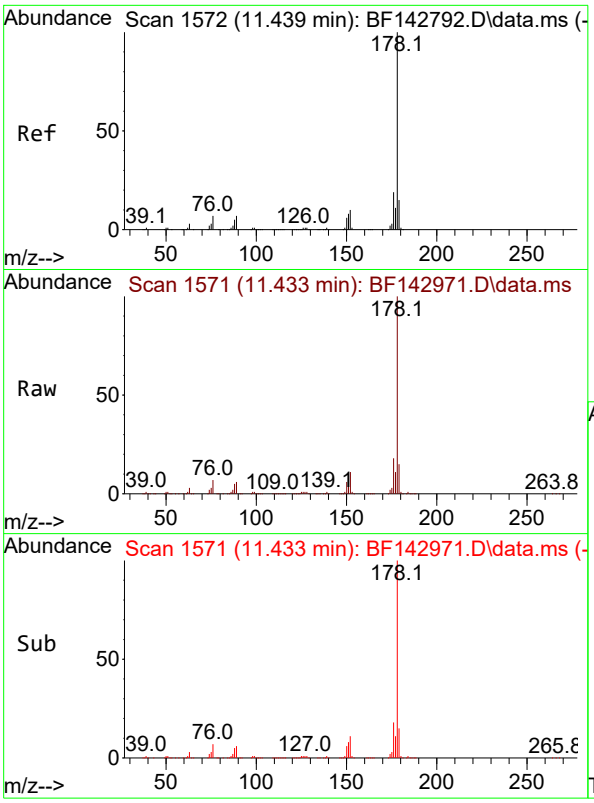


#70
Pentachlorophenol
Concen: 84.262 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.000 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:266 Resp: 105114

Ion	Ratio	Lower	Upper
266	100		
268	62.3	49.8	74.8
264	62.2	49.9	74.9



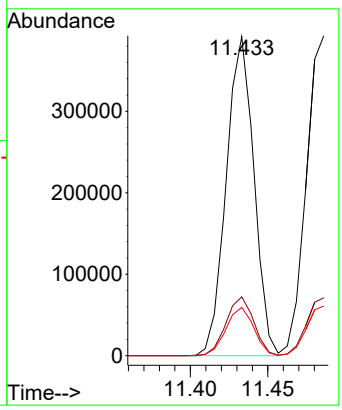


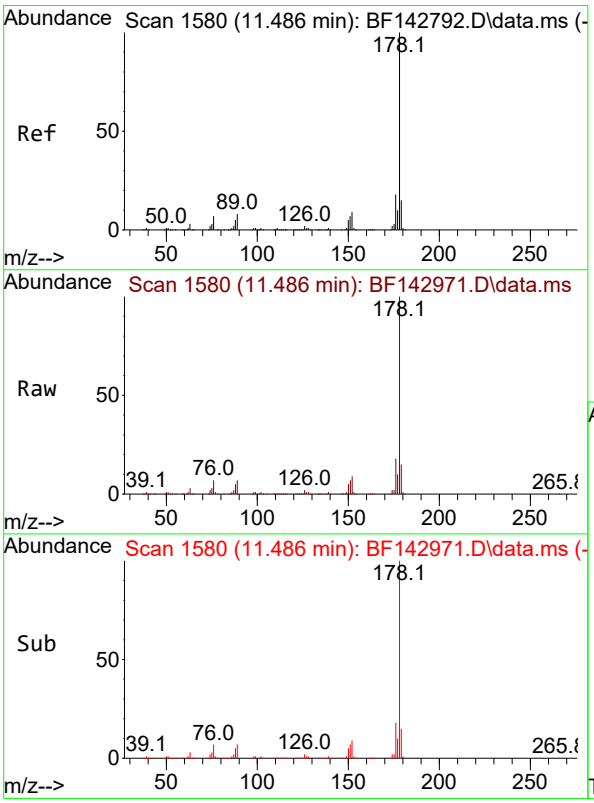
#71
Phenanthrene
Concen: 45.388 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:178 Resp: 486722

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.1	22.7
179	15.2	12.0	18.0

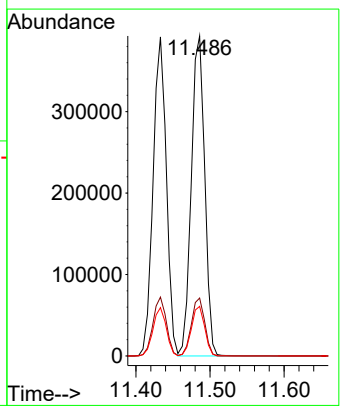


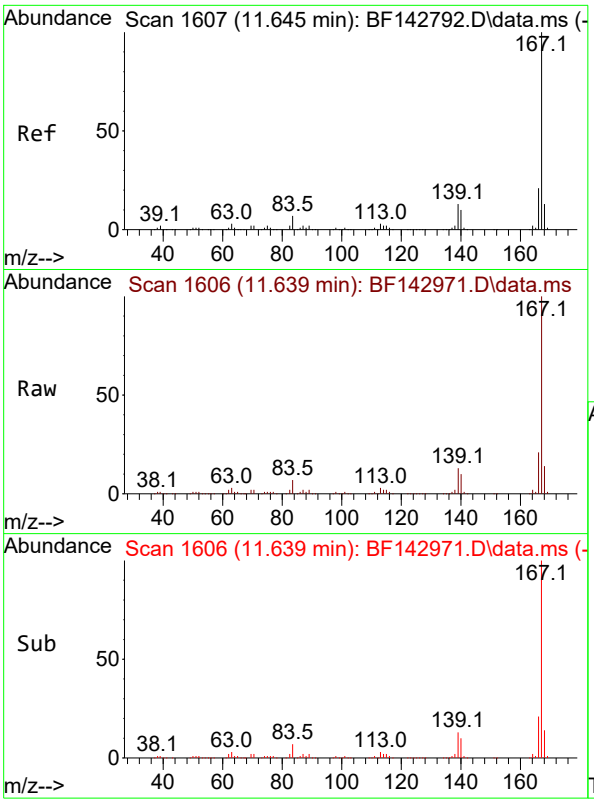


#72
Anthracene
Concen: 44.924 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:178 Resp: 494071

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	21.8
179	15.5	12.4	18.6



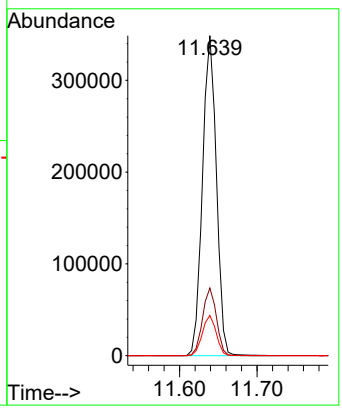


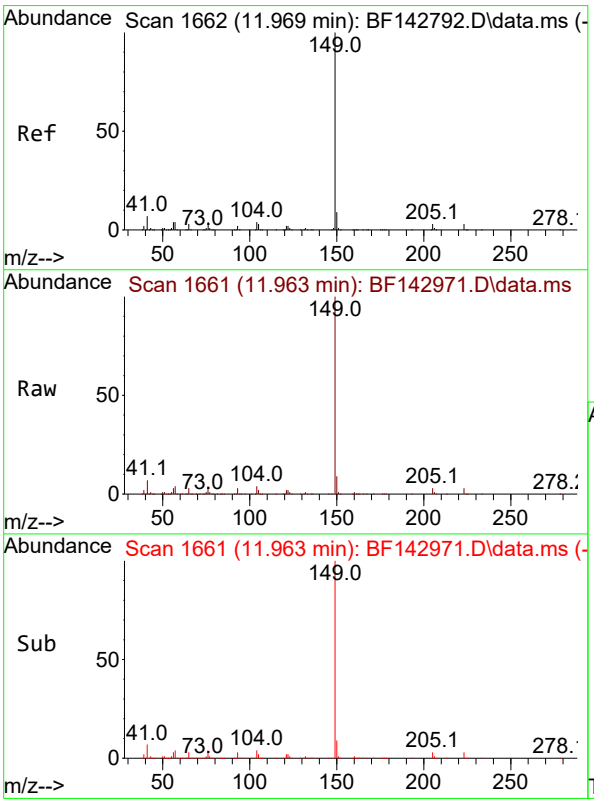
#73
Carbazole
Concen: 45.832 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:167 Resp: 434982

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.4
139	12.5	10.2	15.2

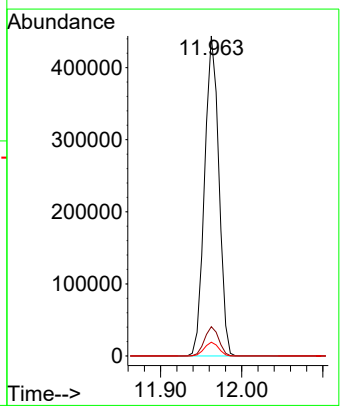


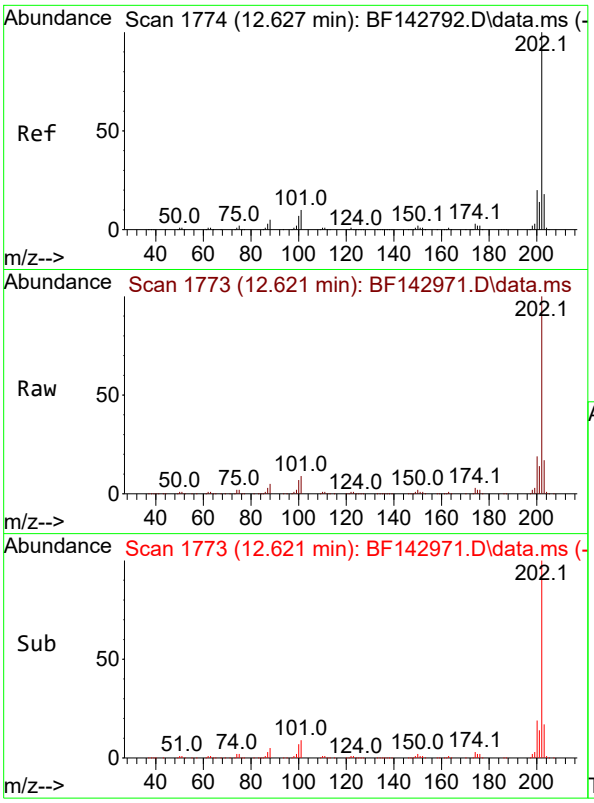


#74
Di-n-butylphthalate
Concen: 54.691 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:149 Resp: 540733

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	4.3	3.5	5.3



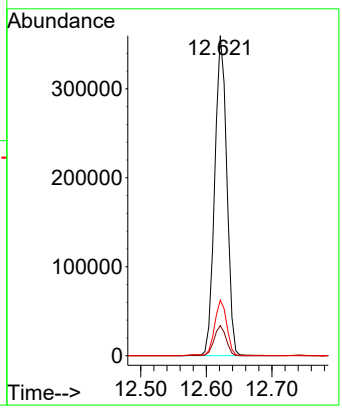


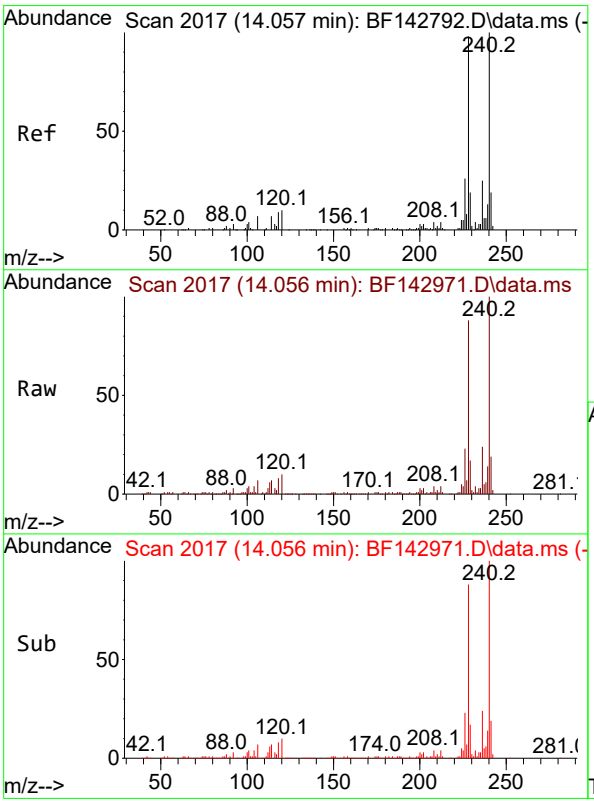
#75
Fluoranthene
Concen: 45.071 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:202 Resp: 458695

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	29.7
203	17.4	0.0	37.5

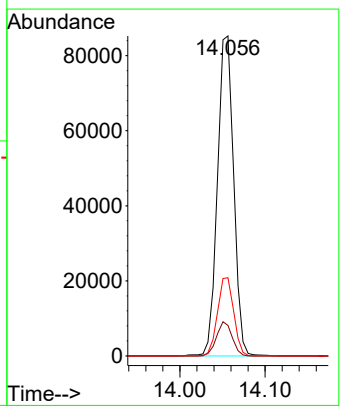


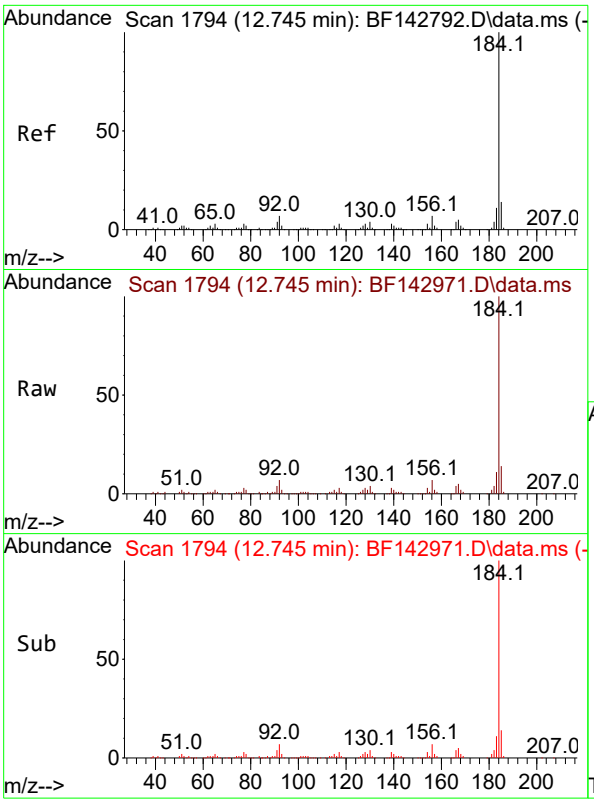


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.056 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:240 Resp: 113049

Ion	Ratio	Lower	Upper
240	100		
120	9.6	8.2	12.2
236	24.5	19.8	29.8



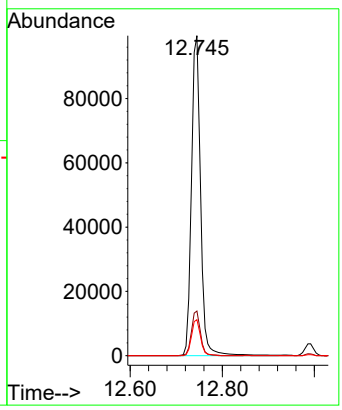


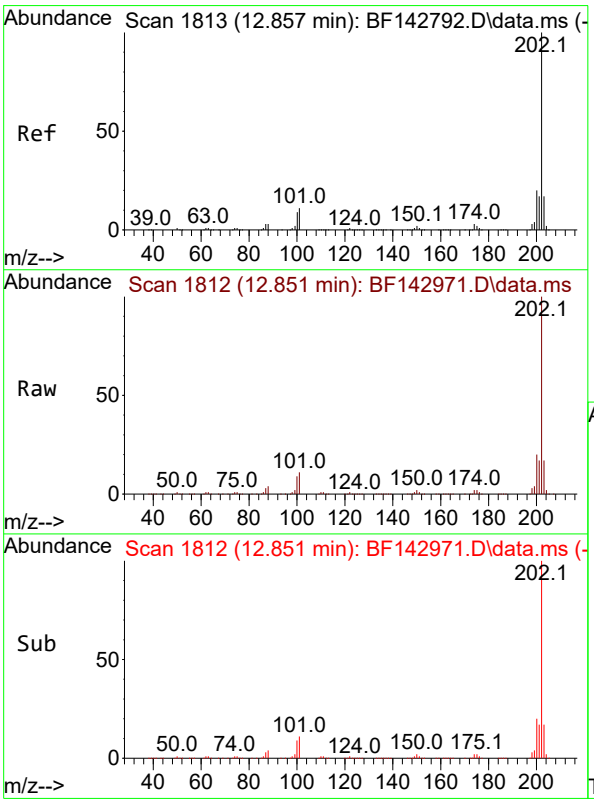
#77
Benzidine
Concen: 32.102 ng
RT: 12.745 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:184 Resp: 136349

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.5	17.3
183	11.3	9.0	13.4

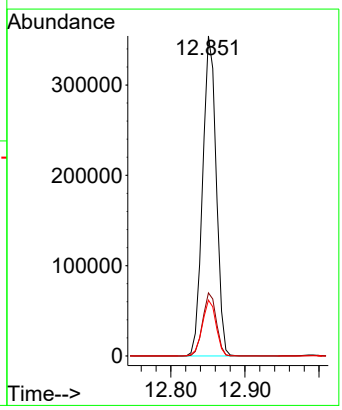


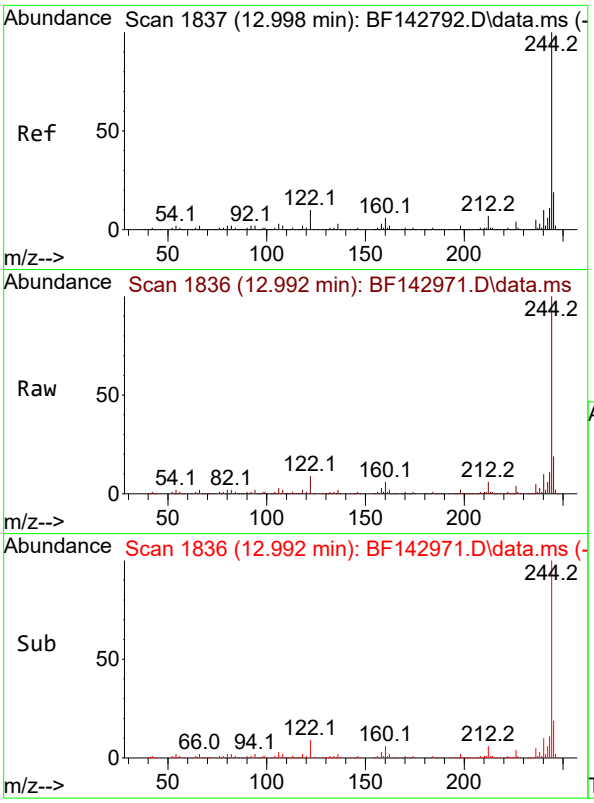


#78
Pyrene
Concen: 42.532 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:202 Resp: 450689

Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.7	23.5
203	17.5	13.8	20.6



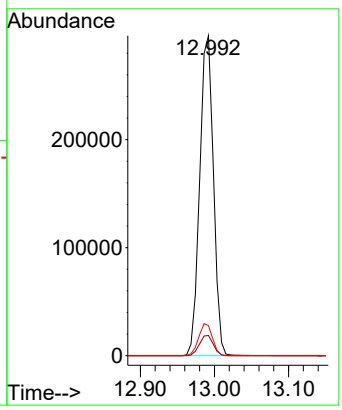


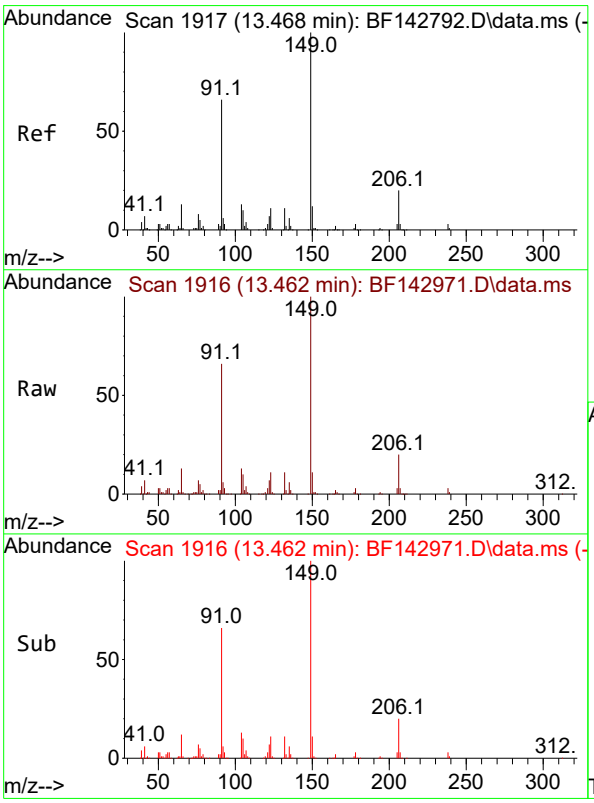
#79
Terphenyl-d14
Concen: 46.594 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:244 Resp: 381225

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	9.4	8.2	12.2

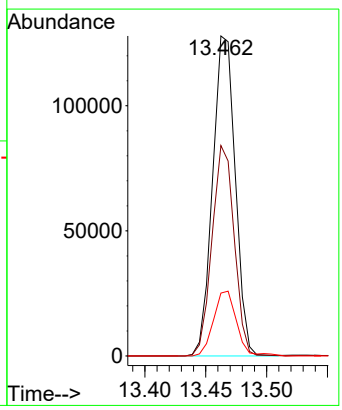


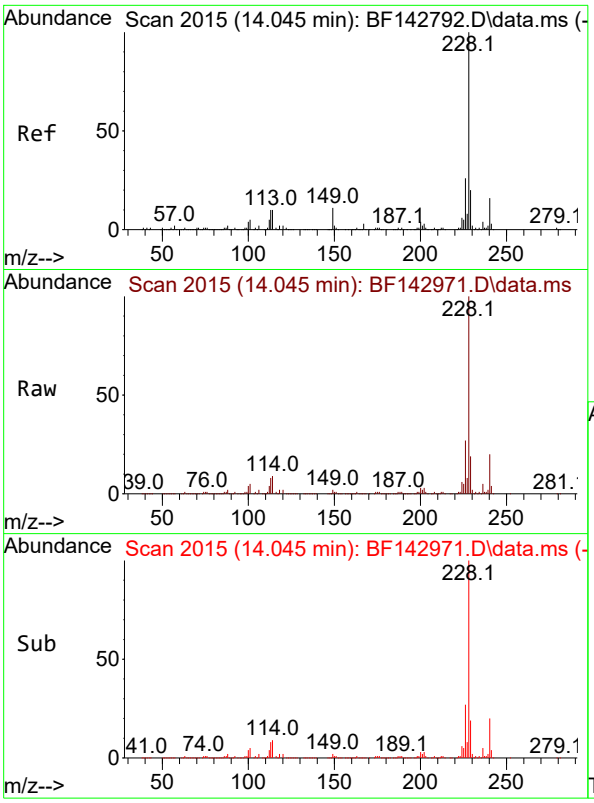


#80
Butylbenzylphthalate
Concen: 53.871 ng
RT: 13.462 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:149 Resp: 165587

Ion	Ratio	Lower	Upper
149	100		
91	65.8	52.9	79.3
206	19.7	16.3	24.5



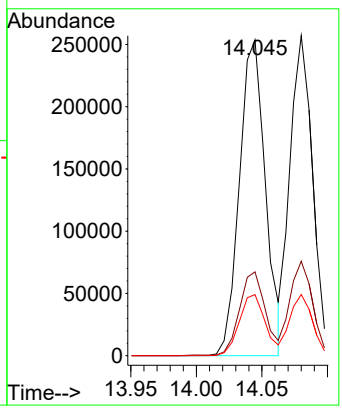


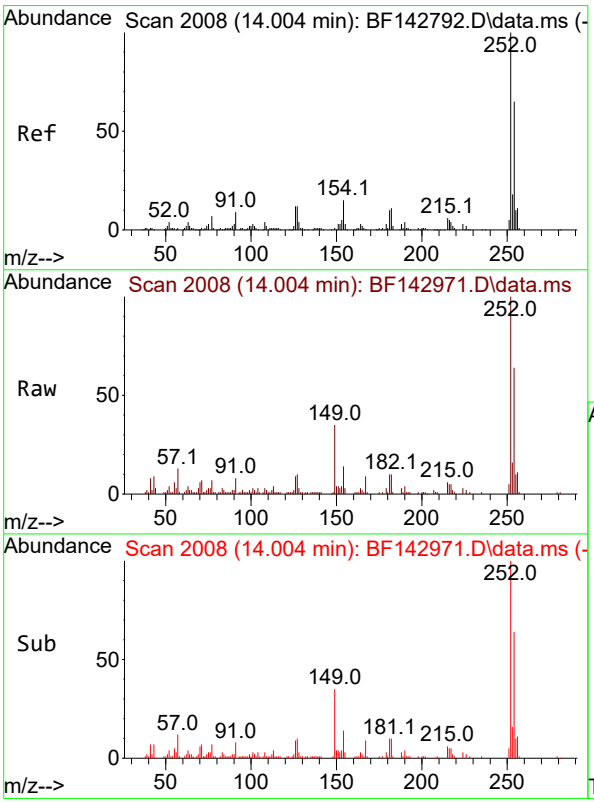
#81
Benzo(a)anthracene
Concen: 45.929 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:228 Resp: 350275

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.2	31.8
229	19.3	15.6	23.4

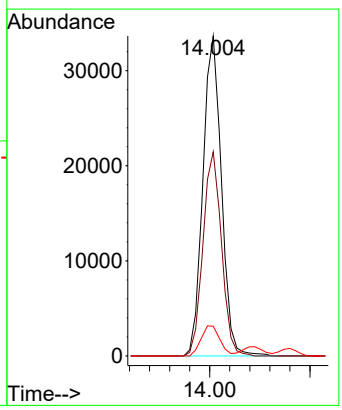


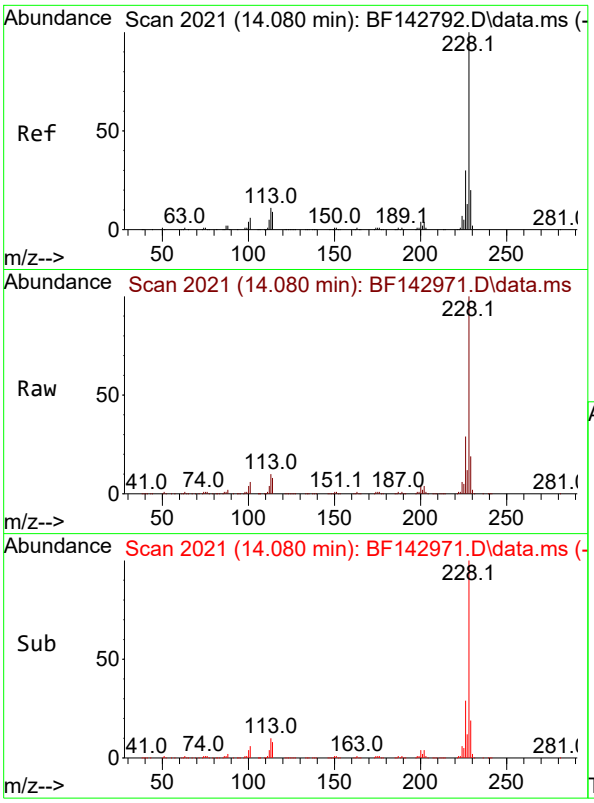


#82
3,3'-Dichlorobenzidine
Concen: 17.507 ng
RT: 14.004 min Scan# 2008
Delta R.T. -0.000 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:252 Resp: 43306

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.7	77.5
126	9.3	9.4	14.2#



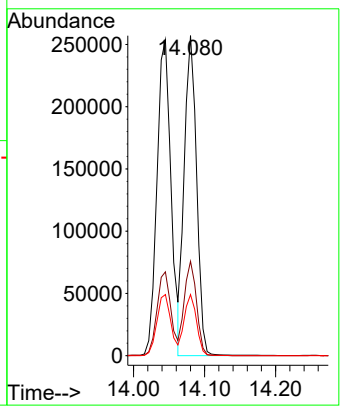


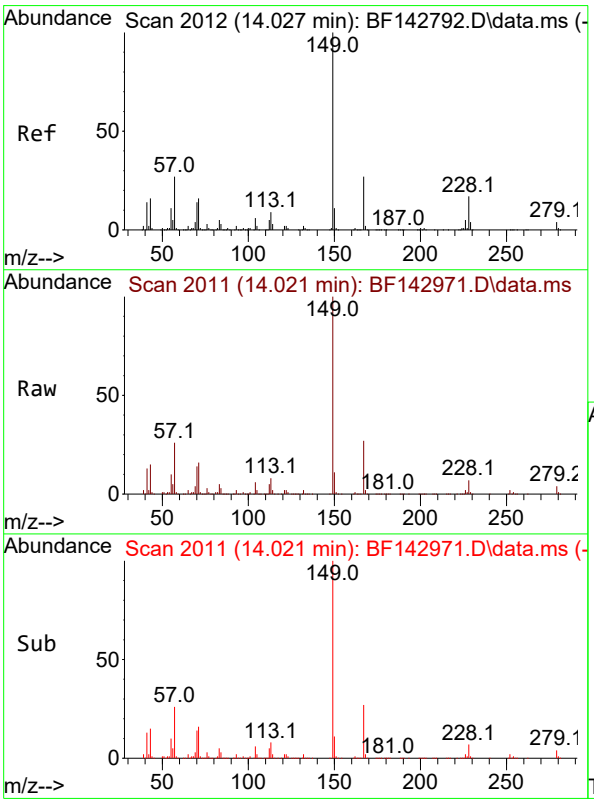
#83
Chrysene
Concen: 45.400 ng
RT: 14.080 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:228 Resp: 308955

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.7	35.5
229	19.1	15.7	23.5

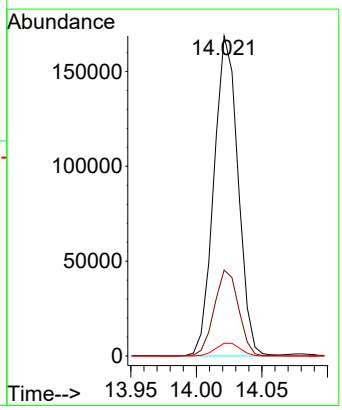


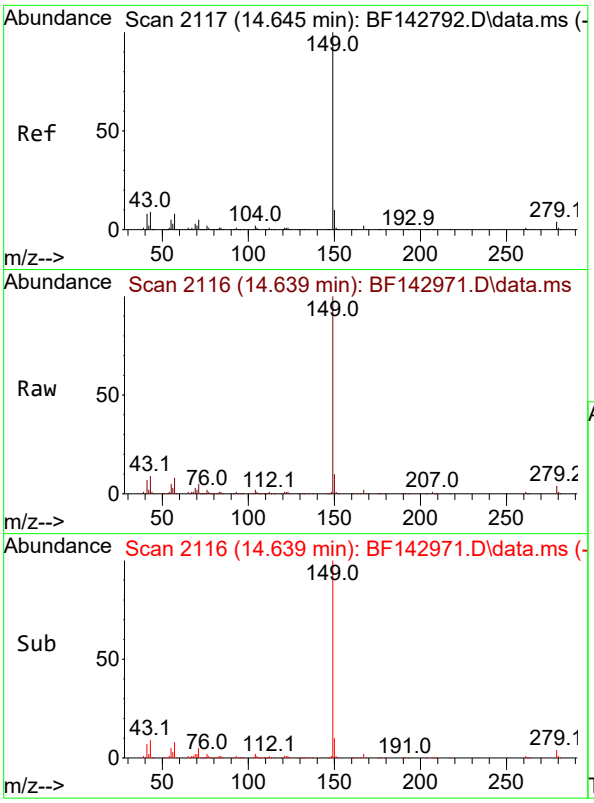


#84
Bis(2-ethylhexyl)phthalate
Concen: 48.850 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:149 Resp: 216038

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.4	32.0
279	3.9	3.0	4.6



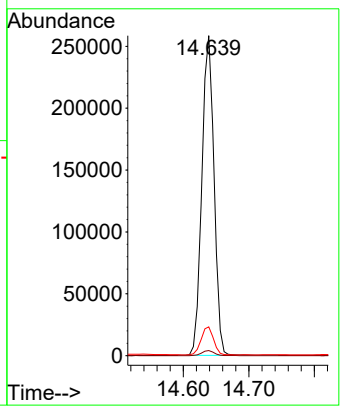


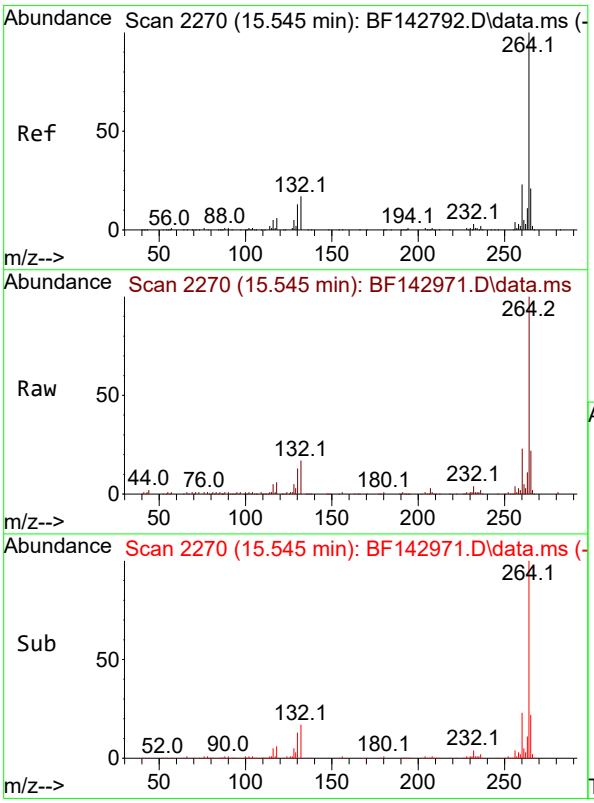
#85
Di-n-octyl phthalate
Concen: 40.051 ng
RT: 14.639 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:149 Resp: 333995

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	8.9	7.6	11.4

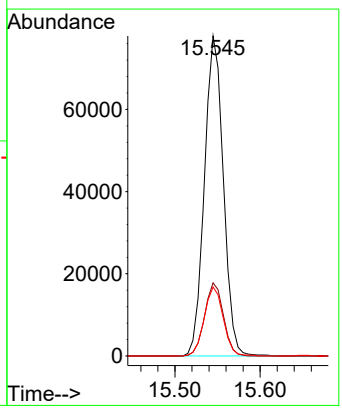


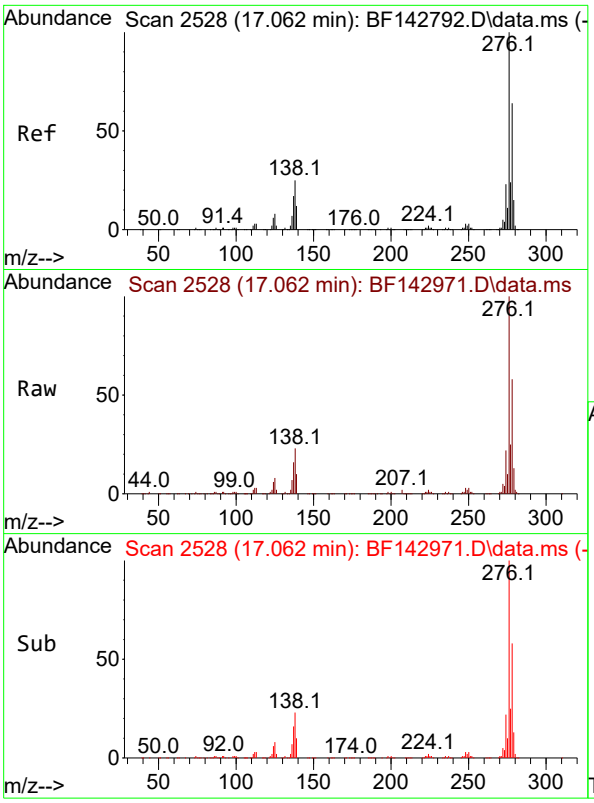


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:264 Resp: 120474

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.1	27.1
265	21.6	16.6	25.0



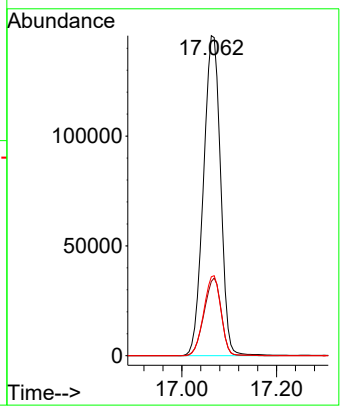


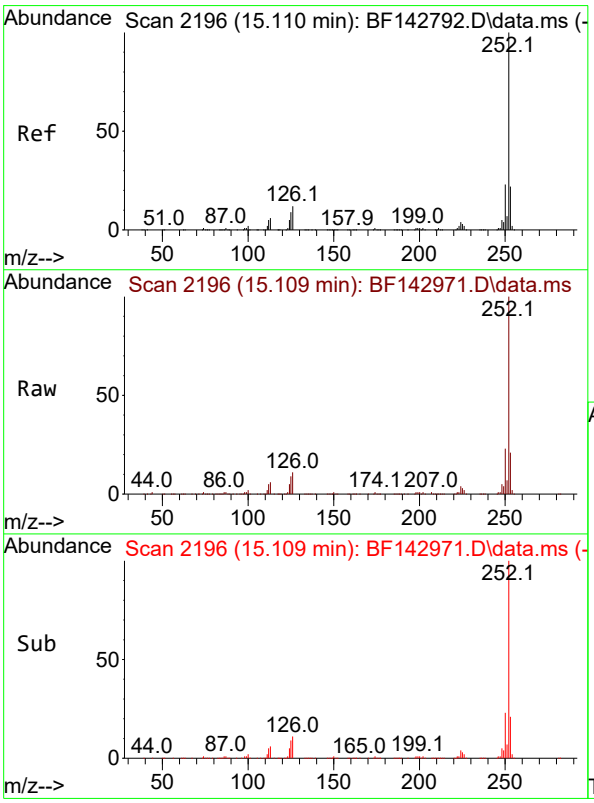
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.772 ng
RT: 17.062 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:276 Resp: 364964

Ion	Ratio	Lower	Upper
276	100		
138	24.4	20.2	30.4
277	25.1	19.8	29.6

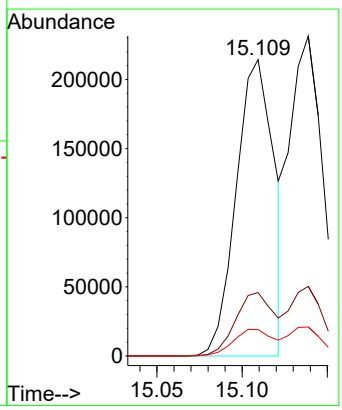


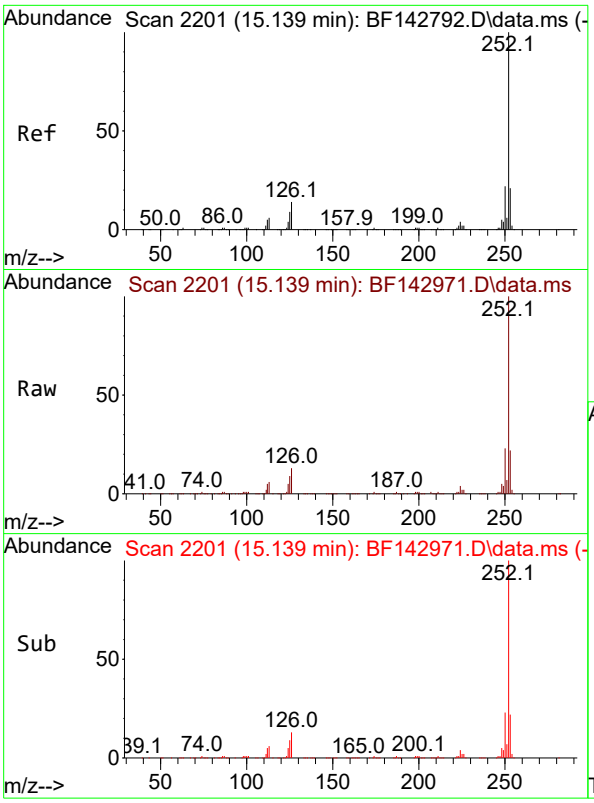


#88
Benzo(b)fluoranthene
Concen: 47.346 ng
RT: 15.109 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:252 Resp: 330057

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	8.9	7.4	11.0



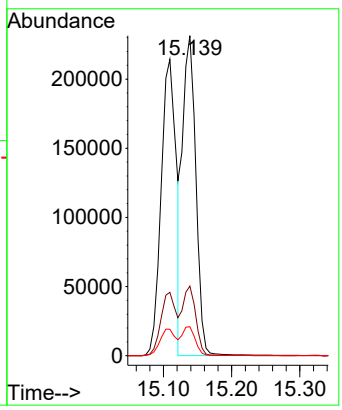


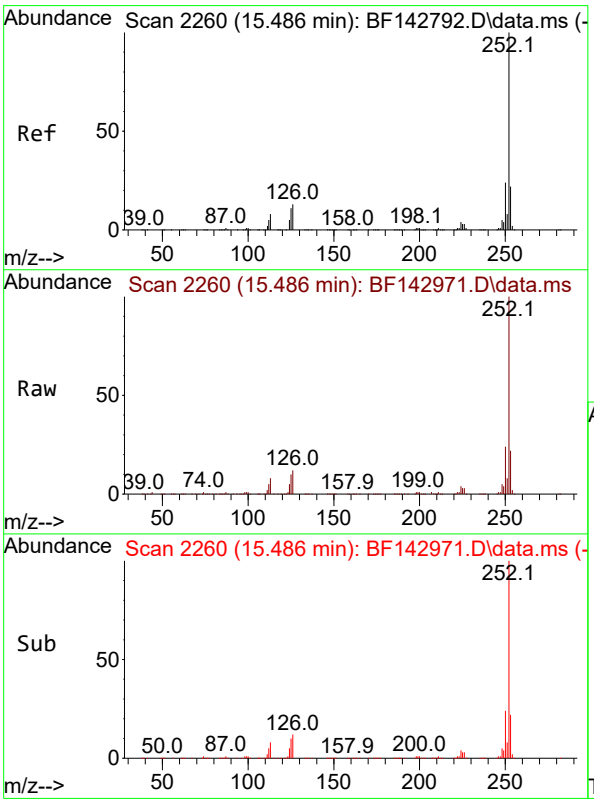
#89
Benzo(k)fluoranthene
Concen: 47.913 ng
RT: 15.139 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:252 Resp: 312488

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	9.1	7.4	11.2

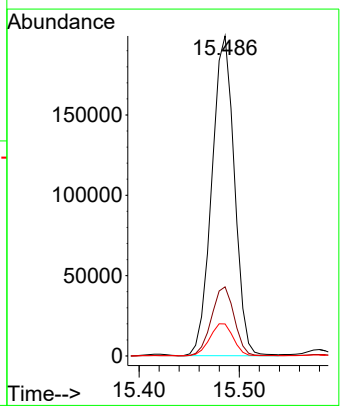


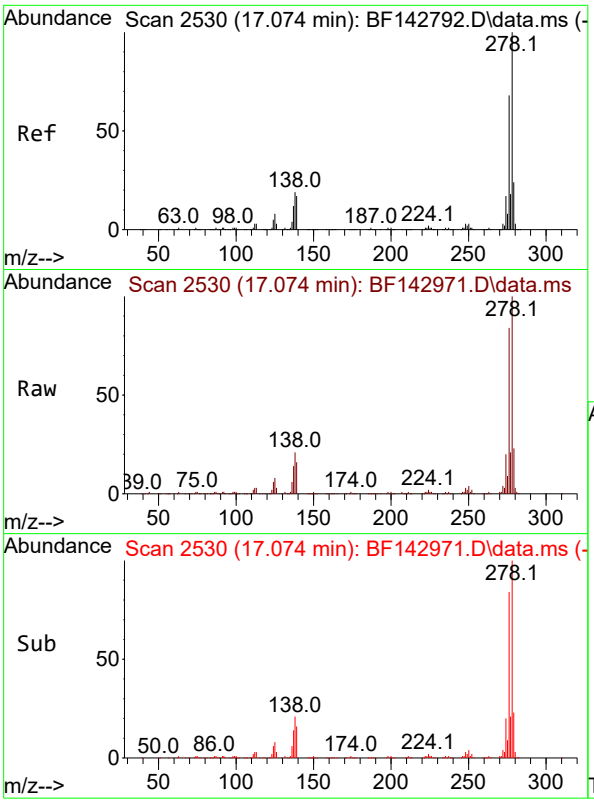


#90
Benzo(a)pyrene
Concen: 46.214 ng
RT: 15.486 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:252 Resp: 311232

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	10.0	8.6	12.8



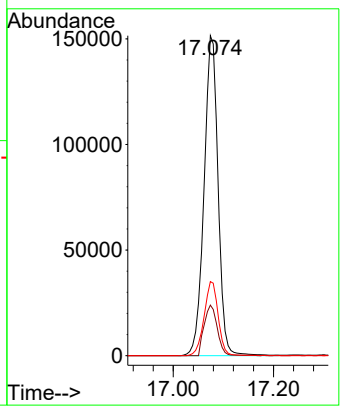


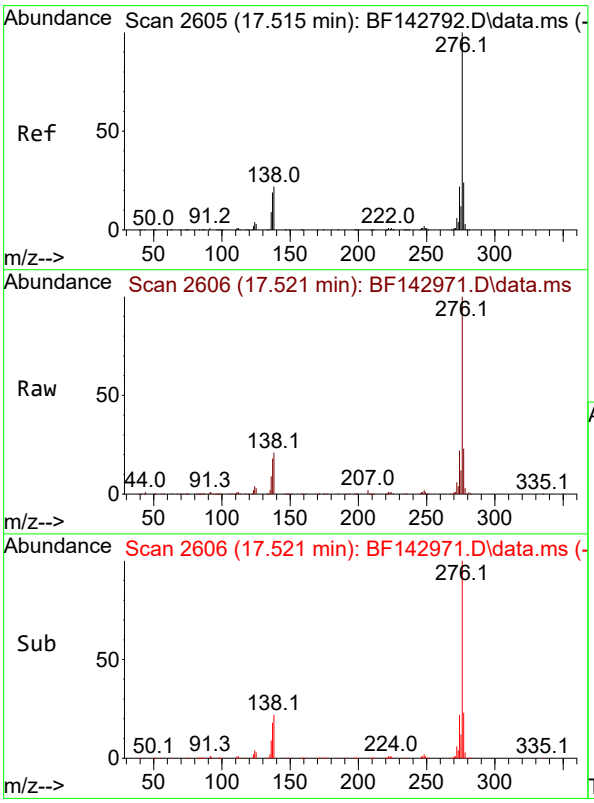
#91
Dibenzo(a,h)anthracene
Concen: 39.549 ng
RT: 17.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
TP-67MSD

Tgt Ion:278 Resp: 294876

Ion	Ratio	Lower	Upper
278	100		
139	15.8	13.5	20.3
279	23.2	18.8	28.2

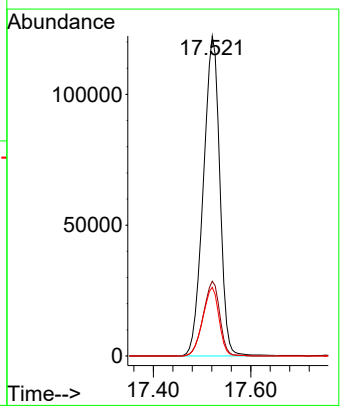




#92
Benzo(g,h,i)perylene
Concen: 38.577 ng
RT: 17.521 min Scan# 2606
Delta R.T. 0.006 min
Lab File: BF142971.D
Acq: 02 Jul 2025 15:17

Tgt Ion:276 Resp: 286817

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.8	28.2
138	21.5	17.6	26.4



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Manual Integration Report

Sequence:	BF061925	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	bf070125	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2458-06	BF142955.D	Benzo(b)fluoranthene	Rahul	7/2/2025 11:35:13 AM	Jagrut	7/2/2025 11:41:56 AM	Peak Integrated by Software
Q2458-06	BF142955.D	Benzo(k)fluoranthene	Rahul	7/2/2025 11:35:13 AM	Jagrut	7/2/2025 11:41:56 AM	Peak Integrated by Software
Q2458-06	BF142955.D	Chrysene	Rahul	7/2/2025 11:35:13 AM	Jagrut	7/2/2025 11:41:56 AM	Peak Integrated by Software
Q2458-08	BF142959.D	Benzo(b)fluoranthene	Rahul	7/2/2025 11:35:23 AM	Jagrut	7/2/2025 11:42:04 AM	Peak Integrated by Software
Q2458-08	BF142959.D	Chrysene	Rahul	7/2/2025 11:35:23 AM	Jagrut	7/2/2025 11:42:04 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf070225	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2458-04MS	BF142970.D	2,4-Dimethylphenol	Rahul	7/3/2025 8:56:23 AM	Jagrut	7/3/2025 11:08:11 AM	Peak Integrated by Software
Q2458-04MS	BF142970.D	Acenaphthene	Rahul	7/3/2025 8:56:23 AM	Jagrut	7/3/2025 11:08:11 AM	Peak Integrated by Software
Q2458-04MS	BF142970.D	Caprolactam	Rahul	7/3/2025 8:56:23 AM	Jagrut	7/3/2025 11:08:11 AM	Peak Integrated by Software
Q2458-04MSD	BF142971.D	Acenaphthene	Rahul	7/3/2025 8:56:27 AM	Jagrut	7/3/2025 11:08:14 AM	Peak Integrated by Software
Q2458-04MSD	BF142971.D	Caprolactam	Rahul	7/3/2025 8:56:27 AM	Jagrut	7/3/2025 11:08:14 AM	Peak Integrated by Software
Q2458-05	BF142977.D	Benzo(b)fluoranthene	Rahul	7/3/2025 8:56:29 AM	Jagrut	7/3/2025 11:08:16 AM	Peak Integrated by Software
Q2458-05	BF142977.D	Benzo(k)fluoranthene	Rahul	7/3/2025 8:56:29 AM	Jagrut	7/3/2025 11:08:16 AM	Peak Integrated by Software
Q2458-01	BF142978.D	Benzo(b)fluoranthene	Rahul	7/3/2025 8:56:32 AM	Jagrut	7/3/2025 11:08:18 AM	Peak Integrated by Software
Q2458-01	BF142978.D	Benzo(k)fluoranthene	Rahul	7/3/2025 8:56:32 AM	Jagrut	7/3/2025 11:08:18 AM	Peak Integrated by Software
Q2458-03	BF142979.D	Benzo(b)fluoranthene	Rahul	7/3/2025 8:56:34 AM	Jagrut	7/3/2025 11:08:21 AM	Peak Integrated by Software
Q2458-02	BF142985.D	Benzo(b)fluoranthene	Rahul	7/3/2025 8:56:50 AM	Jagrut	7/3/2025 11:08:32 AM	Peak Integrated by Software
Q2458-02	BF142985.D	Benzo(k)fluoranthene	Rahul	7/3/2025 8:56:50 AM	Jagrut	7/3/2025 11:08:32 AM	Peak Integrated by Software
Q2458-02	BF142985.D	Chrysene	Rahul	7/3/2025 8:56:50 AM	Jagrut	7/3/2025 11:08:32 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf070225	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	BF070325	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF142987.D	Acenaphthene	Rahul	7/7/2025 11:31:59 AM	Jagrut	7/7/2025 12:17:15 PM	Peak Integrated by Software
PB168674BS	BF142991.D	Acenaphthene	Rahul	7/7/2025 11:32:05 AM	Jagrut	7/7/2025 12:17:21 PM	Peak Integrated by Software
PB168674BS	BF142991.D	Caprolactam	Rahul	7/7/2025 11:32:05 AM	Jagrut	7/7/2025 12:17:21 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf070825	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF143025.D	Acenaphthene	Rahul	7/9/2025 9:40:41 AM	Jagrut	7/9/2025 2:16:01 PM	Peak Integrated by Software
PB168716BS	BF143027.D	2,4-Dimethylphenol	Rahul	7/9/2025 9:40:43 AM	Jagrut	7/9/2025 2:16:05 PM	Peak Integrated by Software
PB168716BS	BF143027.D	Acenaphthene	Rahul	7/9/2025 9:40:43 AM	Jagrut	7/9/2025 2:16:05 PM	Peak Integrated by Software
PB168716BS	BF143027.D	Caprolactam	Rahul	7/9/2025 9:40:43 AM	Jagrut	7/9/2025 2:16:05 PM	Peak Integrated by Software
PB168716BSD	BF143028.D	2,4-Dimethylphenol	Rahul	7/9/2025 9:40:45 AM	Jagrut	7/9/2025 2:16:07 PM	Peak Integrated by Software
PB168716BSD	BF143028.D	Acenaphthene	Rahul	7/9/2025 9:40:45 AM	Jagrut	7/9/2025 2:16:07 PM	Peak Integrated by Software
PB168716BSD	BF143028.D	Caprolactam	Rahul	7/9/2025 9:40:45 AM	Jagrut	7/9/2025 2:16:07 PM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061925

Review By	Rahul	Review On	6/23/2025 3:55:52 PM				
Supervise By	Jagrut	Supervise On	6/24/2025 3:17:49 PM				
SubDirectory	BF061925	HP Acquire Method	BNA_F		HP Processing Method	bf061925	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12670,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142787.D	19 Jun 2025 16:37	RC/JU	Ok
2	SSTDICC2.5	BF142788.D	19 Jun 2025 17:07	RC/JU	Ok
3	SSTDICC005	BF142789.D	19 Jun 2025 17:38	RC/JU	Ok
4	SSTDICC010	BF142790.D	19 Jun 2025 18:08	RC/JU	Ok
5	SSTDICC020	BF142791.D	19 Jun 2025 18:39	RC/JU	Ok
6	SSTDICCC040	BF142792.D	19 Jun 2025 19:09	RC/JU	Ok
7	SSTDICC050	BF142793.D	19 Jun 2025 19:40	RC/JU	Ok
8	SSTDICC060	BF142794.D	19 Jun 2025 20:10	RC/JU	Ok
9	SSTDICC080	BF142795.D	19 Jun 2025 20:40	RC/JU	Ok
10	SSTDICV040	BF142796.D	19 Jun 2025 21:10	RC/JU	Ok
11	PB168536BL	BF142797.D	19 Jun 2025 22:10	RC/JU	Ok
12	PB168536BS	BF142798.D	19 Jun 2025 22:40	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF070125

Review By	Rahul	Review On	7/2/2025 11:36:03 AM				
Supervise By	Jagrut	Supervise On	7/2/2025 11:42:23 AM				
SubDirectory	BF070125	HP Acquire Method	BNA_F		HP Processing Method	bf061925	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12672,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142940.D	01 Jul 2025 09:46	RC/JU	Ok
2	SSTDCCC040	BF142941.D	01 Jul 2025 10:47	RC/JU	Ok
3	PB168640BL	BF142942.D	01 Jul 2025 11:17	RC/JU	Ok
4	PB168640BS	BF142943.D	01 Jul 2025 11:48	RC/JU	Ok,M
5	PB168640BSD	BF142944.D	01 Jul 2025 12:18	RC/JU	Ok,M
6	PB168646BL	BF142945.D	01 Jul 2025 12:48	RC/JU	Ok
7	PB168646BS	BF142946.D	01 Jul 2025 13:19	RC/JU	Ok,M
8	PB168649BL	BF142947.D	01 Jul 2025 13:49	RC/JU	Ok
9	PB168649BS	BF142948.D	01 Jul 2025 14:20	RC/JU	Ok,M
10	PB168657BS	BF142949.D	01 Jul 2025 14:51	RC/JU	Ok,M
11	PB168657BL	BF142950.D	01 Jul 2025 15:21	RC/JU	Ok
12	Q2447-01	BF142951.D	01 Jul 2025 15:56	RC/JU	Ok,M
13	Q2449-01	BF142952.D	01 Jul 2025 16:27	RC/JU	Ok
14	Q2469-01	BF142953.D	01 Jul 2025 16:58	RC/JU	Ok,M
15	Q2458-07	BF142954.D	01 Jul 2025 17:29	RC/JU	Ok
16	Q2458-06	BF142955.D	01 Jul 2025 18:00	RC/JU	Ok,M
17	Q2457-01	BF142956.D	01 Jul 2025 18:31	RC/JU	Ok,M
18	Q2447-04	BF142957.D	01 Jul 2025 19:02	RC/JU	Ok
19	Q2450-01	BF142958.D	01 Jul 2025 19:32	RC/JU	Dilution
20	Q2458-08	BF142959.D	01 Jul 2025 20:03	RC/JU	Ok,M
21	Q2464-01	BF142960.D	01 Jul 2025 20:33	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF070125

Review By	Rahul	Review On	7/2/2025 11:36:03 AM				
Supervise By	Jagrut	Supervise On	7/2/2025 11:42:23 AM				
SubDirectory	BF070125	HP Acquire Method	BNA_F		HP Processing Method	bf061925	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12672,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2458-02	BF142961.D	01 Jul 2025 21:04	RC/JU	Not Ok
23	Q2447-06	BF142962.D	01 Jul 2025 21:35	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF070225

Review By	Rahul	Review On	7/3/2025 9:14:42 AM				
Supervise By	Jagrut	Supervise On	7/3/2025 11:11:28 AM				
SubDirectory	BF070225	HP Acquire Method	BNA_F			HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12672,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142963.D	02 Jul 2025 11:11	RC/JU	Ok
2	SSTDCCC040	BF142964.D	02 Jul 2025 11:41	RC/JU	Ok
3	PB168652TB	BF142965.D	02 Jul 2025 12:11	RC/JU	Ok
4	Q2452-04	BF142966.D	02 Jul 2025 12:46	RC/JU	Ok
5	Q2452-04MS	BF142967.D	02 Jul 2025 13:16	RC/JU	Ok,M
6	Q2452-04MSD	BF142968.D	02 Jul 2025 13:47	RC/JU	Ok,M
7	Q2458-04	BF142969.D	02 Jul 2025 14:17	RC/JU	Ok
8	Q2458-04MS	BF142970.D	02 Jul 2025 14:47	RC/JU	Ok,M
9	Q2458-04MSD	BF142971.D	02 Jul 2025 15:17	RC/JU	Ok,M
10	Q2452-08	BF142972.D	02 Jul 2025 15:47	RC/JU	Ok
11	Q2459-04	BF142973.D	02 Jul 2025 16:18	RC/JU	Ok
12	Q2469-04	BF142974.D	02 Jul 2025 16:49	RC/JU	Ok
13	Q2458-09	BF142975.D	02 Jul 2025 17:19	RC/JU	Ok
14	Q2459-01	BF142976.D	02 Jul 2025 17:49	RC/JU	Ok
15	Q2458-05	BF142977.D	02 Jul 2025 18:20	RC/JU	Ok,M
16	Q2458-01	BF142978.D	02 Jul 2025 18:50	RC/JU	Ok,M
17	Q2458-03	BF142979.D	02 Jul 2025 19:21	RC/JU	Ok,M
18	Q2450-01DL	BF142980.D	02 Jul 2025 19:52	RC/JU	Ok,M
19	Q2475-01	BF142981.D	02 Jul 2025 20:22	RC/JU	Ok,M
20	Q2475-01MS	BF142982.D	02 Jul 2025 20:52	RC/JU	Ok,M
21	Q2475-01MSD	BF142983.D	02 Jul 2025 21:22	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF070225

Review By	Rahul	Review On	7/3/2025 9:14:42 AM				
Supervise By	Jagrut	Supervise On	7/3/2025 11:11:28 AM				
SubDirectory	BF070225	HP Acquire Method	BNA_F		HP Processing Method	bf061925	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12672,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2478-01	BF142984.D	02 Jul 2025 21:52	RC/JU	Ok
23	Q2458-02	BF142985.D	02 Jul 2025 22:22	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF070325

Review By	Rahul	Review On	7/7/2025 11:33:04 AM		
Supervise By	Jagrut	Supervise On	7/7/2025 12:17:49 PM		
SubDirectory	BF070325	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12672,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142986.D	03 Jul 2025 09:25	RC/JU	Ok
2	SSTDCCC040	BF142987.D	03 Jul 2025 09:55	RC/JU	Ok,M
3	PB168694BL	BF142988.D	03 Jul 2025 10:26	RC/JU	Ok
4	PB168694BS	BF142989.D	03 Jul 2025 10:55	RC/JU	Ok,M
5	PB168674BL	BF142990.D	03 Jul 2025 11:25	RC/JU	Ok
6	PB168674BS	BF142991.D	03 Jul 2025 11:55	RC/JU	Ok,M
7	PB168685BL	BF142992.D	03 Jul 2025 12:25	RC/JU	Ok
8	PB168685BS	BF142993.D	03 Jul 2025 12:54	RC/JU	Ok,M
9	Q2472-01	BF142994.D	03 Jul 2025 13:55	RC/JU	Ok
10	Q2484-02	BF142995.D	03 Jul 2025 14:25	RC/JU	Ok,M
11	Q2484-06	BF142996.D	03 Jul 2025 14:56	RC/JU	Ok
12	Q2484-05	BF142997.D	03 Jul 2025 15:27	RC/JU	Ok
13	Q2458-10	BF142998.D	03 Jul 2025 15:58	RC/JU	Ok
14	Q2463-01	BF142999.D	03 Jul 2025 16:29	RC/JU	Ok
15	Q2484-04	BF143000.D	03 Jul 2025 16:59	RC/JU	Ok
16	Q2473-04	BF143001.D	03 Jul 2025 17:30	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF070825

Review By	Rahul	Review On	7/9/2025 9:47:19 AM				
Supervise By	Jagrut	Supervise On	7/9/2025 2:16:38 PM				
SubDirectory	BF070825	HP Acquire Method	BNA_F		HP Processing Method	bf061925	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12673,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143024.D	08 Jul 2025 10:24	RC/JU	Ok
2	SSTDCCC040	BF143025.D	08 Jul 2025 10:54	RC/JU	Ok,M
3	PB168716BL	BF143026.D	08 Jul 2025 11:24	RC/JU	Ok
4	PB168716BS	BF143027.D	08 Jul 2025 11:54	RC/JU	Ok,M
5	PB168716BSD	BF143028.D	08 Jul 2025 12:25	RC/JU	Ok,M
6	PB168722BS	BF143029.D	08 Jul 2025 12:55	RC/JU	Ok,M
7	Q2514-07	BF143030.D	08 Jul 2025 13:31	RC/JU	Ok
8	Q2514-08	BF143031.D	08 Jul 2025 14:02	RC/JU	Ok
9	Q2514-08MS	BF143032.D	08 Jul 2025 14:32	RC/JU	Ok,M
10	Q2514-08MSD	BF143033.D	08 Jul 2025 15:03	RC/JU	Ok,M
11	Q2515-01	BF143034.D	08 Jul 2025 15:34	RC/JU	Ok
12	Q2514-09	BF143035.D	08 Jul 2025 16:05	RC/JU	Ok
13	Q2514-03	BF143036.D	08 Jul 2025 16:36	RC/JU	Ok
14	Q2514-01	BF143037.D	08 Jul 2025 17:07	RC/JU	Ok
15	Q2514-05	BF143038.D	08 Jul 2025 17:37	RC/JU	Ok,M
16	Q2489-01	BF143039.D	08 Jul 2025 18:08	RC/JU	Ok
17	Q2489-02	BF143040.D	08 Jul 2025 18:39	RC/JU	Ok
18	Q2493-04	BF143041.D	08 Jul 2025 19:10	RC/JU	Ok
19	Q2484-01DL	BF143042.D	08 Jul 2025 19:41	RC/JU	Ok,M
20	Q2473-01DL	BF143043.D	08 Jul 2025 20:12	RC/JU	Ok,M
21	Q2514-06	BF143044.D	08 Jul 2025 20:42	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF070825

Review By	Rahul	Review On	7/9/2025 9:47:19 AM				
Supervise By	Jagrut	Supervise On	7/9/2025 2:16:38 PM				
SubDirectory	BF070825	HP Acquire Method	BNA_F		HP Processing Method	bf061925	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12673,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2514-10	BF143045.D	08 Jul 2025 21:12	RC/JU	Ok,M
23	Q2514-04	BF143046.D	08 Jul 2025 21:42	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061925

Review By	Rahul	Review On	6/23/2025 3:55:52 PM		
Supervise By	Jagrut	Supervise On	6/24/2025 3:17:49 PM		
SubDirectory	BF061925	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12670,10ul/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	BF142787.D	19 Jun 2025 16:37		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF142788.D	19 Jun 2025 17:07		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF142789.D	19 Jun 2025 17:38		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF142790.D	19 Jun 2025 18:08		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF142791.D	19 Jun 2025 18:39		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF142792.D	19 Jun 2025 19:09		RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF142793.D	19 Jun 2025 19:40		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF142794.D	19 Jun 2025 20:10		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF142795.D	19 Jun 2025 20:40	Compound #09 removed from 80 PPM.	RC/JU	Ok
10	SSTDICV040	ICVBF061925	BF142796.D	19 Jun 2025 21:10		RC/JU	Ok
11	PB168536BL	PB168536BL	BF142797.D	19 Jun 2025 22:10		RC/JU	Ok
12	PB168536BS	PB168536BS	BF142798.D	19 Jun 2025 22:40		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF070125

Review By	Rahul	Review On	7/2/2025 11:36:03 AM		
Supervise By	Jagrut	Supervise On	7/2/2025 11:42:23 AM		
SubDirectory	BF070125	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12672,10ul/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	BF142940.D	01 Jul 2025 09:46		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142941.D	01 Jul 2025 10:47		RC/JU	Ok
3	PB168640BL	PB168640BL	BF142942.D	01 Jul 2025 11:17		RC/JU	Ok
4	PB168640BS	PB168640BS	BF142943.D	01 Jul 2025 11:48		RC/JU	Ok,M
5	PB168640BSD	PB168640BSD	BF142944.D	01 Jul 2025 12:18		RC/JU	Ok,M
6	PB168646BL	PB168646BL	BF142945.D	01 Jul 2025 12:48		RC/JU	Ok
7	PB168646BS	PB168646BS	BF142946.D	01 Jul 2025 13:19		RC/JU	Ok,M
8	PB168649BL	PB168649BL	BF142947.D	01 Jul 2025 13:49		RC/JU	Ok
9	PB168649BS	PB168649BS	BF142948.D	01 Jul 2025 14:20		RC/JU	Ok,M
10	PB168657BS	PB168657BS	BF142949.D	01 Jul 2025 14:51		RC/JU	Ok,M
11	PB168657BL	PB168657BL	BF142950.D	01 Jul 2025 15:21		RC/JU	Ok
12	Q2447-01	COMP-1	BF142951.D	01 Jul 2025 15:56		RC/JU	Ok,M
13	Q2449-01	RBR200032	BF142952.D	01 Jul 2025 16:27		RC/JU	Ok
14	Q2469-01	WC-1	BF142953.D	01 Jul 2025 16:58		RC/JU	Ok,M
15	Q2458-07	TP-62	BF142954.D	01 Jul 2025 17:29		RC/JU	Ok
16	Q2458-06	TP-60	BF142955.D	01 Jul 2025 18:00		RC/JU	Ok,M
17	Q2457-01	OK-2-062725	BF142956.D	01 Jul 2025 18:31		RC/JU	Ok,M
18	Q2447-04	COMP-2	BF142957.D	01 Jul 2025 19:02		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF070125

Review By	Rahul	Review On	7/2/2025 11:36:03 AM		
Supervise By	Jagrut	Supervise On	7/2/2025 11:42:23 AM		
SubDirectory	BF070125	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12672,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2450-01	PL-2-062725	BF142958.D	01 Jul 2025 19:32	Need 2X Dilution	RC/JU	Dilution
20	Q2458-08	TP-63	BF142959.D	01 Jul 2025 20:03		RC/JU	Ok,M
21	Q2464-01	OR-3-063025	BF142960.D	01 Jul 2025 20:33		RC/JU	Ok,M
22	Q2458-02	TP-55	BF142961.D	01 Jul 2025 21:04	Need Straight Run	RC/JU	Not Ok
23	Q2447-06	LAW-25-0100	BF142962.D	01 Jul 2025 21:35		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF070225

Review By	Rahul	Review On	7/3/2025 9:14:42 AM		
Supervise By	Jagrut	Supervise On	7/3/2025 11:11:28 AM		
SubDirectory	BF070225	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12672,10ul/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	BF142963.D	02 Jul 2025 11:11		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142964.D	02 Jul 2025 11:41		RC/JU	Ok
3	PB168652TB	PB168652TB	BF142965.D	02 Jul 2025 12:11		RC/JU	Ok
4	Q2452-04	TP-5	BF142966.D	02 Jul 2025 12:46		RC/JU	Ok
5	Q2452-04MS	TP-5MS	BF142967.D	02 Jul 2025 13:16		RC/JU	Ok,M
6	Q2452-04MSD	TP-5MSD	BF142968.D	02 Jul 2025 13:47		RC/JU	Ok,M
7	Q2458-04	TP-67	BF142969.D	02 Jul 2025 14:17		RC/JU	Ok
8	Q2458-04MS	TP-67MS	BF142970.D	02 Jul 2025 14:47		RC/JU	Ok,M
9	Q2458-04MSD	TP-67MSD	BF142971.D	02 Jul 2025 15:17		RC/JU	Ok,M
10	Q2452-08	EP-2	BF142972.D	02 Jul 2025 15:47		RC/JU	Ok
11	Q2459-04	TP-1	BF142973.D	02 Jul 2025 16:18		RC/JU	Ok
12	Q2469-04	WC-1	BF142974.D	02 Jul 2025 16:49		RC/JU	Ok
13	Q2458-09	TP-59	BF142975.D	02 Jul 2025 17:19		RC/JU	Ok
14	Q2459-01	TP-1	BF142976.D	02 Jul 2025 17:49		RC/JU	Ok
15	Q2458-05	TP-66	BF142977.D	02 Jul 2025 18:20		RC/JU	Ok,M
16	Q2458-01	TP-76	BF142978.D	02 Jul 2025 18:50		RC/JU	Ok,M
17	Q2458-03	TP-68	BF142979.D	02 Jul 2025 19:21		RC/JU	Ok,M
18	Q2450-01DL	PL-2-062725DL	BF142980.D	02 Jul 2025 19:52		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF070225

Review By	Rahul	Review On	7/3/2025 9:14:42 AM		
Supervise By	Jagrut	Supervise On	7/3/2025 11:11:28 AM		
SubDirectory	BF070225	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12672,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2475-01	SOIL-PILE	BF142981.D	02 Jul 2025 20:22		RC/JU	Ok,M
20	Q2475-01MS	SOIL-PILEMS	BF142982.D	02 Jul 2025 20:52		RC/JU	Ok,M
21	Q2475-01MSD	SOIL-PILEMSD	BF142983.D	02 Jul 2025 21:22		RC/JU	Ok,M
22	Q2478-01	WC-1	BF142984.D	02 Jul 2025 21:52		RC/JU	Ok
23	Q2458-02	TP-55	BF142985.D	02 Jul 2025 22:22		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF070325

Review By	Rahul	Review On	7/7/2025 11:33:04 AM		
Supervise By	Jagrut	Supervise On	7/7/2025 12:17:49 PM		
SubDirectory	BF070325	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12672,10ul/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	BF142986.D	03 Jul 2025 09:25		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142987.D	03 Jul 2025 09:55		RC/JU	Ok,M
3	PB168694BL	PB168694BL	BF142988.D	03 Jul 2025 10:26		RC/JU	Ok
4	PB168694BS	PB168694BS	BF142989.D	03 Jul 2025 10:55		RC/JU	Ok,M
5	PB168674BL	PB168674BL	BF142990.D	03 Jul 2025 11:25		RC/JU	Ok
6	PB168674BS	PB168674BS	BF142991.D	03 Jul 2025 11:55		RC/JU	Ok,M
7	PB168685BL	PB168685BL	BF142992.D	03 Jul 2025 12:25		RC/JU	Ok
8	PB168685BS	PB168685BS	BF142993.D	03 Jul 2025 12:54		RC/JU	Ok,M
9	Q2472-01	PN#1	BF142994.D	03 Jul 2025 13:55		RC/JU	Ok
10	Q2484-02	TP-57	BF142995.D	03 Jul 2025 14:25		RC/JU	Ok,M
11	Q2484-06	TP-104	BF142996.D	03 Jul 2025 14:56		RC/JU	Ok
12	Q2484-05	TP-106	BF142997.D	03 Jul 2025 15:27		RC/JU	Ok
13	Q2458-10	FB-06272025	BF142998.D	03 Jul 2025 15:58		RC/JU	Ok
14	Q2463-01	TW-WTS-11	BF142999.D	03 Jul 2025 16:29		RC/JU	Ok
15	Q2484-04	TP-107	BF143000.D	03 Jul 2025 16:59		RC/JU	Ok
16	Q2473-04	PIT#4	BF143001.D	03 Jul 2025 17:30	Parameter list not updated on login page	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF070825

Review By	Rahul	Review On	7/9/2025 9:47:19 AM		
Supervise By	Jagrut	Supervise On	7/9/2025 2:16:38 PM		
SubDirectory	BF070825	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12673,10ul/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	BF143024.D	08 Jul 2025 10:24		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143025.D	08 Jul 2025 10:54		RC/JU	Ok,M
3	PB168716BL	PB168716BL	BF143026.D	08 Jul 2025 11:24		RC/JU	Ok
4	PB168716BS	PB168716BS	BF143027.D	08 Jul 2025 11:54		RC/JU	Ok,M
5	PB168716BSD	PB168716BSD	BF143028.D	08 Jul 2025 12:25		RC/JU	Ok,M
6	PB168722BS	PB168722BS	BF143029.D	08 Jul 2025 12:55		RC/JU	Ok,M
7	Q2514-07	TP-36	BF143030.D	08 Jul 2025 13:31		RC/JU	Ok
8	Q2514-08	TP-78	BF143031.D	08 Jul 2025 14:02		RC/JU	Ok
9	Q2514-08MS	TP-78MS	BF143032.D	08 Jul 2025 14:32		RC/JU	Ok,M
10	Q2514-08MSD	TP-78MSD	BF143033.D	08 Jul 2025 15:03		RC/JU	Ok,M
11	Q2515-01	wc-1	BF143034.D	08 Jul 2025 15:34		RC/JU	Ok
12	Q2514-09	TP-81	BF143035.D	08 Jul 2025 16:05		RC/JU	Ok
13	Q2514-03	TP-94	BF143036.D	08 Jul 2025 16:36		RC/JU	Ok
14	Q2514-01	TP-92	BF143037.D	08 Jul 2025 17:07		RC/JU	Ok
15	Q2514-05	TP-97	BF143038.D	08 Jul 2025 17:37		RC/JU	Ok,M
16	Q2489-01	G4(0-6)	BF143039.D	08 Jul 2025 18:08		RC/JU	Ok
17	Q2489-02	G4(6-12)	BF143040.D	08 Jul 2025 18:39		RC/JU	Ok
18	Q2493-04	WC-11	BF143041.D	08 Jul 2025 19:10		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF070825

Review By	Rahul	Review On	7/9/2025 9:47:19 AM		
Supervise By	Jagrut	Supervise On	7/9/2025 2:16:38 PM		
SubDirectory	BF070825	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12673,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2484-01DL	TP-58DL	BF143042.D	08 Jul 2025 19:41		RC/JU	Ok,M
20	Q2473-01DL	PIT#1DL	BF143043.D	08 Jul 2025 20:12	Parameter list not updated on login page	RC/JU	Ok,M
21	Q2514-06	TP-103	BF143044.D	08 Jul 2025 20:42		RC/JU	Ok
22	Q2514-10	TP-90	BF143045.D	08 Jul 2025 21:12		RC/JU	Ok,M
23	Q2514-04	TP-96	BF143046.D	08 Jul 2025 21:42		RC/JU	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/1/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 06/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 07/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136327

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
Q2451-01	Y2310-0409-1-1	1	1.00	1.00	2.00	2.00	100.0	PILC
Q2451-02	Y2310-0409-1-2	2	1.00	1.00	2.00	2.00	100.0	PILC
Q2451-03	Y2307-0279-1-1	3	1.00	1.00	2.00	2.00	100.0	PILC
Q2451-04	Y2307-0279-1-2	4	1.00	1.00	2.00	2.00	100.0	PILC
Q2451-05	KQA08OZ-1-1	5	1.00	1.00	2.00	2.00	100.0	PILC
Q2451-06	KQA08OZ-1-2	6	1.00	1.00	2.00	2.00	100.0	PILC
Q2451-07	HIA-925Q-1-1	7	1.00	1.00	2.00	2.00	100.0	PILC
Q2451-08	HIA-925Q-1-2	8	1.00	1.00	2.00	2.00	100.0	PILC
Q2458-01	TP-76	9	1.15	10.84	11.99	10.97	90.6	
Q2458-02	TP-55	10	1.18	10.49	11.67	10.77	91.4	
Q2458-03	TP-68	11	1.18	10.68	11.86	11.04	92.3	
Q2458-04	TP-67	12	1.19	10.16	11.35	10.3	89.7	
Q2458-05	TP-66	13	1.19	10.18	11.37	10.18	88.3	
Q2458-06	TP-60	14	1.15	10.83	11.98	11.17	92.5	
Q2458-07	TP-62	15	1.15	10.84	11.99	11.02	91.1	
Q2458-08	TP-63	16	1.19	10.82	12.01	10.54	86.4	
Q2458-09	TP-59	17	1.15	10.70	11.85	9.35	76.6	
Q2459-01	TP-1	18	1.19	10.74	11.93	10.66	88.2	
Q2459-02	TP-1-EPH	19	1.15	10.88	12.03	10.8	88.7	
Q2459-03	TP-1-VOC	20	1.16	10.83	11.99	10.9	89.9	
Q2459-04	TP-1	21	1.19	10.74	11.93	10.66	88.2	
Q2462-02	60425-A	22	1.15	10.31	11.46	9.96	85.5	
Q2462-03	60425-B	23	1.14	10.66	11.8	7.91	63.5	
Q2462-04	60425-AB	24	1.19	10.57	11.76	9.66	80.1	
Q2462-05	50725	25	1.00	1.00	2.00	2.00	100.0	debris
Q2462-06	61625-A	26	1.12	10.70	11.82	9.5	78.3	
Q2462-07	61625-B	27	1.18	10.37	11.55	8.29	68.6	
Q2462-08	61625-C	28	1.19	10.65	11.84	9.11	74.4	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/1/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 06/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 07/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136327

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
Q2462-09	61625-ABC	29	1.19	10.56	11.75	9.26	76.4	
Q2462-10	62725	30	1.00	1.00	2.00	2.00	100.0	debris
Q2464-01	OR-3-063025	31	1.12	10.76	11.88	11.57	97.1	
Q2464-02	OR-3-063025-E2	32	1.18	10.50	11.68	11.3	96.4	
Q2466-01	61825	33	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2466-02	62625	34	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2467-01	1A-1B-1C-Fire Stopher Caulk-Red	35	1.00	1.00	2.00	2.00	100.0	Caulk sample
Q2469-01	WC-1	36	1.15	10.13	11.28	9.8	85.4	
Q2469-02	WC-1-EPH	37	1.19	10.36	11.55	10.14	86.4	
Q2469-03	WC-1-VOC	38	1.15	10.84	11.99	10.74	88.5	
Q2469-04	WC-1	39	1.15	10.13	11.28	9.8	85.4	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

JP 136327

WorkList Name : %1-063025 **WorkList ID :** 190450 **Department :** Wet-Chemistry **Date :** 06-30-2025 08:06:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2451-01	Y2310-0409-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2451-02	Y2310-0409-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2451-03	Y2307-0279-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2451-04	Y2307-0279-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2451-05	KQA08OZ-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2451-06	KQA08OZ-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2451-07	HIA-925Q-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2451-08	HIA-925Q-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2458-01	TP-76	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2458-02	TP-55	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/26/2025	Chemtech -SO
Q2458-03	TP-68	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/26/2025	Chemtech -SO
Q2458-04	TP-67	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/27/2025	Chemtech -SO
Q2458-05	TP-66	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/27/2025	Chemtech -SO
Q2458-06	TP-60	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/27/2025	Chemtech -SO
Q2458-07	TP-62	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/27/2025	Chemtech -SO
Q2458-08	TP-63	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/27/2025	Chemtech -SO
Q2458-09	TP-59	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/27/2025	Chemtech -SO
Q2459-01	TP-1	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/27/2025	Chemtech -SO
Q2459-02	TP-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A51	06/28/2025	Chemtech -SO
Q2459-03	TP-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A51	06/28/2025	Chemtech -SO
Q2459-04	TP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	A51	06/28/2025	Chemtech -SO

Date/Time 06/30/25 16:00

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: JD (SM)

Date/Time 06/30/25 17:30

Raw Sample Received by: JD (SM)

Raw Sample Relinquished by: [illegible]

WORKLIST(Hardcopy Internal Chain)

VF 136327

WorkList Name : %1-063025 **WorkList ID :** 190450 **Department :** Wet-Chemistry **Date :** 06-30-2025 08:06:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2462-02	60425-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-03	60425-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-04	60425-AB	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-05	50725	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-06	61625-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-07	61625-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-08	61625-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-09	60425-ABC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-10	62725	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2464-01	OR-3-063025	Solid	Percent Solids	Cool 4 deg C	PSEG05	A21	06/30/2025	Chemtech -SO
Q2464-02	OR-3-063025	Solid	Percent Solids	Cool 4 deg C	PSEG05	A21	06/30/2025	Chemtech -SO
Q2466-01	61825	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/30/2025	Chemtech -SO
Q2466-02	62625	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/30/2025	Chemtech -SO
Q2467-01	1A-1B-1C-Fire Stopher Caulk-R	Solid	Percent Solids	Cool 4 deg C	ATCE02	A61	06/26/2025	Chemtech -SO
Q2469-01	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	06/30/2025	Chemtech -SO
Q2469-02	WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	06/30/2025	Chemtech -SO
Q2469-03	WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	06/30/2025	Chemtech -SO
Q2469-04	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	06/30/2025	Chemtech -SO

Date/Time 06/30/25 16:30

Raw Sample Received by: [signature]

Raw Sample Relinquished by: JP CSM

Date/Time 06/30/25 17:20

Raw Sample Received by: JP CSM

Raw Sample Relinquished by: [signature]

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168674

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 : 07/01/2025

Extraction Start Time : 09:30

Extraction End Date : 07/01/2025

Extraction End Time : 12:40

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	SP6849
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	EP2612
Baked Na2SO4	N/A	EP2624
~~Sand~~	N/A	~~E2865~~
Methylene Chloride	N/A	E3943
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

RJ 7/1/25

Extraction Conformance/Non-Conformance Comments:

1.5ML Vail 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
7/1/25	RS (Ext lab)	RC/SVOC
12:45	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168674

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 07/01/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168674BL	SBLK674	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			U3-1
PB168674BS	SLCS674	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			2
Q2458-01	TP-76	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		3
Q2458-02	TP-55	SVOC-TCL BNA -20	30.09	N/A	ritesh	Evelyn	1	E		4
Q2458-03	TP-68	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		5
Q2458-04	TP-67	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	E		6
Q2458-04MS	TP-67MS	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	E		U6-1
Q2458-04MSD	TP-67MSD	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		2
Q2458-05	TP-66	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	E		3
Q2458-06	TP-60	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		4
Q2458-07	TP-62	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	E		5
Q2458-08	TP-63	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		6
Q2458-09	TP-59	SVOC-TCL BNA -20	30.09	N/A	ritesh	Evelyn	1	E		U2-1
Q2459-01	TP-1	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E		2
Q2464-01	OR-3-063025	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	E		3
Q2469-01	WC-1	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	D		4

RS
7/1

* **Extracts relinquished on the same date as received.**

1686 Fri 9:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2458BN **WorkList ID :** 190474 **Department :** Extraction **Date :** 07-01-2025 08:35:21

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2458-01	TP-76	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	D51	06/26/2025	8270E
Q2458-02	TP-55	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	D51	06/26/2025	8270E
Q2458-03	TP-68	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	D51	06/27/2025	8270E
Q2458-04	TP-67	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	D51	06/27/2025	8270E
Q2458-05	TP-66	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	D51	06/27/2025	8270E
Q2458-06	TP-60	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	D51	06/27/2025	8270E
Q2458-07	TP-62	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	D51	06/27/2025	8270E
Q2458-08	TP-63	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	D51	06/27/2025	8270E
Q2458-09	TP-59	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	D51	06/27/2025	8270E
Q2459-01	TP-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	A51	06/28/2025	8270E
Q2464-01	OR-3-063025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	A21	06/30/2025	8270E
Q2469-01	WC-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	A61	06/30/2025	8270E

Date/Time 07/01/25 9:25
Raw Sample Received by: RJ (left-lab)
Raw Sample Relinquished by: [signature]

Date/Time 07/01/25 9:50
Raw Sample Received by: [signature]
Raw Sample Relinquished by: RJ (left-lab)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168716

SOP ID: M3510C,3580A-Extraction SVOC-21

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RS

Filter By: RJ

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 07/03/2025

Extraction Start Time : 08:56

Extraction End Date : 07/03/2025

Extraction End Time : 13:55

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	SP6849
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	E3943
Baked Na2SO4	N/A	EP2624
H2SO4 1:1	N/A	EP2610
10N NaoH	N/A	EP2609
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:

pH Adjusted to < 2 with 1:1 H2SO4 & >12 with 10N NaOH , 1.5ML Vial Lot # 2210443.

KD Bath ID: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: NE VAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/3/25	RS (Ext lab)	RC/SVOC
16:20	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168716

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 07/03/2025

Sample ID	Client Sample ID	Test	g /(mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168716BL	SBLK716	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			SEP-1
PB168716BS	SLCS716	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			2
PB168716BSD	SLCSD716	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			3
Q2458-10	FB-06272025	SVOC-TCL BNA -20	990	2	RUPESH	ritesh	1	F		4
Q2463-01	TW-WTS-11	SVOCMS Group4	990	12	RUPESH	ritesh	1	F		5

RS
7/3

* **Extracts relinguished on the same date as received.**

168716
8:56

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2463 **WorkList ID :** 190539 **Department :** Extraction **Date :** 07-03-2025 08:51:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2458-10	FB-06272025	Water	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	D51	06/27/2025	8270E
Q2463-01	TW-WTS-11	Water	SVOCMS Group4	Cool 4 deg C	ENTA05	A53	06/27/2025	8270E

Date/Time 7/3/25 8:51
Raw Sample Received by: RS (Ext Lab)
Raw Sample Relinquished by: SM

Date/Time 7/3/25 9:25
Raw Sample Received by: SM
Raw Sample Relinquished by: RS (Ext Lab)

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2458
COC Number 2047524

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: CDM SMITH
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS
PHONE: 7325904679 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: SOUTH RIVER WM REPLACEMENT
PROJECT NO.: 302781 LOCATION: SOUTH RIVER, NJ
PROJECT MANAGER: MARCIE ENCINAS
e-mail: ENCINASMA@CDMSMITH.COM
PHONE: 7325904679 FAX:

CLIENT BILLING INFORMATION

BILL TO: CDM SMITH PO#:
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS PHONE: 7325904679

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ 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 _____

ANALYSIS

1. TCL VOC
2. TCL SVOC
3. PCB'S
4. TAL METALS
5. PESTICIDES
6. HERBICIDES
7. DRO/GRO
8.
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.	TP-70	S		X	6/26/25	1115	6	X	X	X	X	X	X	X			E
2.	TP-65	S		X	6/26/25	1200	6	X	X	X	X	X	X	X			E
3.	TP-68	S		X	6/27/25	0745	6	X	X	X	X	X	X	X			E
4.	TP-67	S		X	6/27/25	0805	6	X	X	X	X	X	X	X			E
5.	TP-66	S		X	6/27/25	0835	6	X	X	X	X	X	X	X			E
6.	TP-60	S		X	6/27/25	0910	6	X	X	X	X	X	X	X			E
7.	TP-62	S		X	6/27/25	1005	6	X	X	X	X	X	X	X			E
8.	TP-63	S		X	6/27/25	1055	6	X	X	X	X	X	X	X			E
9.	TP-54	S		X	6/27/25	1205	6	X	X	X	X	X	X	X			E
10.	FB-06272025	SA2		X	6/27/25	1300	9	X	X	X	X	X	X	X			E, A, B

PRESERVATIVES: ← Specify Preservatives
A-HCl B-HN03 C-H2SO4 D-NaOH E-ICE F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	6/27/25/1600	1. 1600 6-27-25
2.	DATE/TIME:	2.
3.	DATE/TIME: 1655 6-27-25	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1 °C
Comments:

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

From: Encinas, Marcie (Puskarik) <encinasma@cdmsmith.com>
Sent: Monday, June 30, 2025 12:44 PM
Subject: FW: sample id and sample not mentioned on COC

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Thank you for reaching out - Please see below.

Would it be possible to also have excel results emailed with results compared to the current NJDEP SRS?

Marcie

From: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Sent: Monday, June 30, 2025 10:24 AM
To: Encinas, Marcie (Puskarik) <encinasma@cdmsmith.com>
Cc: Mohammad Ahmed <mohammad.ahmed@alliancetg.com>; Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Subject: sample id and sample not mentioned on COC

You don't often get email from deepak.parmar@alliancetg.com. Learn why this is important

Good morning,

Samples received with 6/27/2025 shipment has below discrepancies

issue 1# sample (2) TP-65 mentioned on COC, however sample received as TP-55 let us know which sample ID to use ? TP-55 is the correct label for the samples.

Issue2# Lab receives two TB water samples but not mentioned on COC. Lab would like to know how to proceed with analysis ? I believe those are temperature blanks, which do not require analysis. We are only analyzing trip blanks if the same also includes aqueous samples.

Thanks & Regards,

Deepak Parmar
QA/QC
An Alliance Technical Group Company
Main: 908-789-8900

Address: 284 Sheffield St, Ste 1,
Mountainside, NJ 07092

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 : Q2458 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 6/27/2025 4:22:00 PM
Project Name : South River WM Replacem
Receive DateTime : 6/27/2025 ~~12:00:00 AM~~ 16:55 1M
Purchase Order :

Project Mgr :
Report Type : Level 2
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2458-01	TP-76	Solid	06/26/2025	11:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2458-02	TP-~~65~~ 55	Solid	06/26/2025	12:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2458-03	TP-68	Solid	06/27/2025	07:~~15~~ 15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2458-04	TP-67	Solid	06/27/2025	08:05					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2458-05	TP-66	Solid	06/27/2025	08:35					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2458-06	TP-60	Solid	06/27/2025	09:10					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2458-07	TP-62	Solid	06/27/2025	10:05					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2458-08	TP-63	Solid	06/27/2025	10:55					

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Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2458-09	TP-59	Solid	06/27/2025	12:05					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2458-10	FB-06272025	Water	06/27/2025	13:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

Relinguished By :
Date / Time : 6/30/25 0900

Received By :
Date / Time : 06/30/25 9:00
Storage Area : VOA Refridgerator Room

SAMPLES RECEIVED ON 6/27/25 @ 1655
SAMPLES PLACED IN SM-REF-2

Ref #6
F2. 2
Ref #4