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Cover Page

Order ID : Q2149

Project ID : Waste Characterization

Client : Aramark Uniforms

Lab Sample Number	Client Sample Number
Q2149-01	FILTER-CAKE

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: 6/3/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2149**

	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: **PRATIK PATEL** **Date:** **06/03/2025**

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LAB CHRONICLE

OrderID:	Q2149	**OrderDate:**	5/28/2025 1:31:11 PM
Client:	Aramark Uniforms	**Project:**	Waste Characterization
Contact:	Jarrod Mills	**Location:**	L31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2149-01	**FILTER-CAKE**	**TCLP**			**05/28/25**			**05/28/25**
			TCLP BNA Group1	8270E		05/30/25	06/02/25	
Q2149-01DL	**FILTER-CAKEDL**	**TCLP**			**05/28/25**			**05/28/25**
			TCLP BNA Group1	8270E		05/30/25	06/02/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2149

Client: Aramark Uniforms

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : FILTER-CAKE								
Q2149-01	FILTER-CAKE	TCLP	3+4-Methylphenols	1,200.000	E	11	100	ug/L
			Total Svoc :	**1,200.00**				
			Total Concentration:	**1,200.00**				
Client ID : FILTER-CAKEDL								
Q2149-01DL	FILTER-CAKEDL	TCLP	3+4-Methylphenols	1,700.000	D	55	500	ug/L
			Total Svoc :	**1,700.00**				
			Total Concentration:	**1,700.00**				

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q2149

Client: Aramark Uniforms

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168190TB	PB168190TB	2-Fluorophenol	150	120	80		23	138
		Phenol-d6	150	121	81		10	134
		Nitrobenzene-d5	100	75.3	75		67	132
		2-Fluorobiphenyl	100	71.7	72		52	132
		2,4,6-Tribromophenol	150	124	83		44	137
		Terphenyl-d14	100	69.4	69		42	152
PB168219BL	PB168219BL	2-Fluorophenol	150	120	80		23	138
		Phenol-d6	150	120	80		10	134
		Nitrobenzene-d5	100	74.7	75		67	132
		2-Fluorobiphenyl	100	71.6	72		52	132
		2,4,6-Tribromophenol	150	124	83		44	137
		Terphenyl-d14	100	69.7	70		42	152
PB168219BS	PB168219BS	2-Fluorophenol	150	122	81		23	138
		Phenol-d6	150	123	82		10	134
		Nitrobenzene-d5	100	75.3	75		67	132
		2-Fluorobiphenyl	100	71.0	71		52	132
		2,4,6-Tribromophenol	150	126	84		44	137
		Terphenyl-d14	100	76.9	77		42	152
Q2136-05MS	OR-646-COMP-52MS	2-Fluorophenol	150	115	77		23	138
		Phenol-d6	150	108	72		10	134
		Nitrobenzene-d5	100	79.5	79		67	132
		2-Fluorobiphenyl	100	77.9	78		52	132
		2,4,6-Tribromophenol	150	126	84		44	137
		Terphenyl-d14	100	76.9	77		42	152
Q2136-05MSD	OR-646-COMP-52MSD	2-Fluorophenol	150	106	71		23	138
		Phenol-d6	150	99.1	66		10	134
		Nitrobenzene-d5	100	73.2	73		67	132
		2-Fluorobiphenyl	100	71.4	71		52	132
		2,4,6-Tribromophenol	150	114	76		44	137
		Terphenyl-d14	100	71.5	72		42	152
Q2149-01	FILTER-CAKE	2-Fluorophenol	150	102	68		23	138
		Phenol-d6	150	91.2	61		10	134
		Nitrobenzene-d5	100	74.0	74		67	132
		2-Fluorobiphenyl	100	73.4	73		52	132
		2,4,6-Tribromophenol	150	97.1	65		44	137
		Terphenyl-d14	100	45.2	45		42	152
Q2149-01DL	FILTER-CAKEDL	2-Fluorophenol	150	129	86		23	138
		Phenol-d6	150	118	78		10	134
		Nitrobenzene-d5	100	93.9	94		67	132
		2-Fluorobiphenyl	100	95.0	95		52	132
		2,4,6-Tribromophenol	150	122	81		44	137
		Terphenyl-d14	100	58.5	59		42	152

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2149

Client: Aramark Uniforms

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2136-05MS		**Client Sample ID: OR-646-COMP-52MS**						**DataFile: BF142575.D**			
Pyridine	500	0	380	ug/L	76				10	109	
1,4-Dichlorobenzene	500	0	410	ug/L	82				55	125	
2-Methylphenol	500	0	430	ug/L	86				60	131	
3+4-Methylphenols	500	0	400	ug/L	80				54	136	
Hexachloroethane	500	0	400	ug/L	80				19	146	
Nitrobenzene	500	0	440	ug/L	88				62	112	
Hexachlorobutadiene	500	0	420	ug/L	84				52	125	
2,4,6-Trichlorophenol	500	0	460	ug/L	92				78	112	
2,4,5-Trichlorophenol	500	0	460	ug/L	92				71	111	
2,4-Dinitrotoluene	500	0	480	ug/L	96				74	137	
Hexachlorobenzene	500	0	470	ug/L	94				72	115	
Pentachlorophenol	1000	0	830	ug/L	83				52	162	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2149

Client: Aramark Uniforms

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2136-05MSD		**Client Sample ID: OR-646-COMP-52MSD**						**DataFile: BF142576.D**			
Pyridine	500	0	350	ug/L	70		8		10	109	20
1,4-Dichlorobenzene	500	0	380	ug/L	76		8		55	125	20
2-Methylphenol	500	0	390	ug/L	78		10		60	131	20
3+4-Methylphenols	500	0	380	ug/L	76		5		54	136	20
Hexachloroethane	500	0	380	ug/L	76		5		19	146	20
Nitrobenzene	500	0	410	ug/L	82		7		62	112	20
Hexachlorobutadiene	500	0	380	ug/L	76		10		52	125	20
2,4,6-Trichlorophenol	500	0	420	ug/L	84		9		78	112	20
2,4,5-Trichlorophenol	500	0	420	ug/L	84		9		71	111	20
2,4-Dinitrotoluene	500	0	430	ug/L	86		11		74	137	20
Hexachlorobenzene	500	0	430	ug/L	86		9		72	115	20
Pentachlorophenol	1000	0	770	ug/L	77		8		52	162	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2149

Client: Aramark Uniforms

Analytical Method: 8270E **DataFile:** BF142592.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168219BS	Pyridine	50	40.1	ug/L	80				29	97	
	1,4-Dichlorobenzene	50	42.1	ug/L	84				76	103	
	2-Methylphenol	50	43.7	ug/L	87				69	109	
	3+4-Methylphenols	50	42.0	ug/L	84				67	106	
	Hexachloroethane	50	42.1	ug/L	84				76	118	
	Nitrobenzene	50	42.1	ug/L	84				58	106	
	Hexachlorobutadiene	50	41.5	ug/L	83				69	101	
	2,4,6-Trichlorophenol	50	42.7	ug/L	85				61	110	
	2,4,5-Trichlorophenol	50	43.7	ug/L	87				70	106	
	2,4-Dinitrotoluene	50	47.7	ug/L	95				60	115	
	Hexachlorobenzene	50	42.5	ug/L	85				73	106	
	Pentachlorophenol	100	85.2	ug/L	85				47	114	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168219BL

Lab Name: CHEMTECH Contract: ARAM01

Lab Code: CHEM Case No.: Q2149 SAS No.: Q2149 SDG NO.: Q2149

Lab File ID: BF142591.D Lab Sample ID: PB168219BL

Instrument ID: BNA_F Date Extracted: 05/30/2025

Matrix: (soil/water) water Date Analyzed: 06/02/2025

Level: (low/med) LOW Time Analyzed: 11:59

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168219BS	PB168219BS	BF142592.D	06/02/2025
PB168190TB	PB168190TB	BF142593.D	06/02/2025
FILTER-CAKE	Q2149-01	BF142599.D	06/02/2025
OR-646-COMP-52MS	Q2136-05MS	BF142575.D	05/30/2025
OR-646-COMP-52MSD	Q2136-05MSD	BF142576.D	05/30/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ARAM01

Lab Code: CHEM SAS No.: Q2149 SDG NO.: Q2149

Lab File ID: BF142465.D DFTPP Injection Date: 05/20/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	27.4
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	24.7
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	33.5
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	4.9
275	10.0 - 60.0% of mass 198	22.3
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	14.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF142467.D	05/20/2025	12:10
SSTDICC005	SSTDICC005	BF142468.D	05/20/2025	12:38
SSTDICC010	SSTDICC010	BF142469.D	05/20/2025	13:07
SSTDICC020	SSTDICC020	BF142470.D	05/20/2025	13:36
SSTDICCC040	SSTDICCC040	BF142471.D	05/20/2025	14:05
SSTDICC050	SSTDICC050	BF142472.D	05/20/2025	14:34
SSTDICC060	SSTDICC060	BF142473.D	05/20/2025	15:03
SSTDICC080	SSTDICC080	BF142474.D	05/20/2025	15:31

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ARAM01

Lab Code: CHEM SAS No.: Q2149 SDG NO.: Q2149

Lab File ID: BF142565.D DFTPP Injection Date: 05/30/2025

Instrument ID: BNA_F DFTPP Injection Time: 12:23

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	31.7
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	28.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	38.8
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.7
275	10.0 - 60.0% of mass 198	24.1
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142566.D	05/30/2025	13:20
OR-646-COMP-52MS	Q2136-05MS	BF142575.D	05/30/2025	17:47
OR-646-COMP-52MSD	Q2136-05MSD	BF142576.D	05/30/2025	18:16

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ARAM01

Lab Code: CHEM SAS No.: Q2149 SDG NO.: Q2149

Lab File ID: BF142589.D DFTPP Injection Date: 06/02/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:01

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	27
68	Less than 2.0% of mass 69	0.4 (1.8) 1
69	Mass 69 relative abundance	24.1
70	Less than 2.0% of mass 69	0.1 (0.6) 1
127	10.0 - 80.0% of mass 198	33.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	4.9
275	10.0 - 60.0% of mass 198	21.6
365	Greater than 1% of mass 198	2.9
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	19.3 (19.3) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142590.D	06/02/2025	11:30
PB168219BL	PB168219BL	BF142591.D	06/02/2025	11:59
PB168219BS	PB168219BS	BF142592.D	06/02/2025	12:28
PB168190TB	PB168190TB	BF142593.D	06/02/2025	12:57
FILTER-CAKE	Q2149-01	BF142599.D	06/02/2025	16:03
FILTER-CAKEDL	Q2149-01DL	BF142600.D	06/02/2025	17:11

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2149 SAS No.: Q2149 SDG NO.: Q2149

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/30/2025

Lab File ID: BF142566.D Time Analyzed: 13:20

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	109753	6.898	434666	8.19	234624	9.95
	UPPER LIMIT	219506	7.398	869332	8.686	469248	10.445
	LOWER LIMIT	54876.5	6.398	217333	7.686	117312	9.445
	EPA SAMPLE NO.						
01	OR-646-COMP-52MS	124454	6.90	475431	8.18	242703	9.94
02	OR-646-COMP-52MSD	124028	6.90	470508	8.18	242418	9.94

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2149 SAS No.: Q2149 SDG NO.: Q2149

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/30/2025

Lab File ID: BF142566.D Time Analyzed: 13:20

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	409802	11.427	223422	14.074	206730	15.568
	UPPER LIMIT	819604	11.927	446844	14.574	413460	16.068
	LOWER LIMIT	204901	10.927	111711	13.574	103365	15.068
	EPA SAMPLE NO.						
01	OR-646-COMP-52MS	386820	11.43	212085	14.07	244380	15.56
02	OR-646-COMP-52MSD	379868	11.43	212601	14.07	245371	15.56

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2149 SAS No.: Q2149 SDG NO.: Q2149

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/02/2025

Lab File ID: BF142590.D Time Analyzed: 11:30

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	112830	6.898	441878	8.19	241388	9.94
	UPPER LIMIT	225660	7.398	883756	8.686	482776	10.439
	LOWER LIMIT	56415	6.398	220939	7.686	120694	9.439
	EPA SAMPLE NO.						
01	PB168190TB	125334	6.90	485126	8.18	270958	9.94
02	PB168219BL	123394	6.90	476779	8.18	264921	9.94
03	PB168219BS	123772	6.90	484044	8.18	269556	9.94
04	FILTER-CAKE	124508	6.90	456228	8.18	209752	9.94
05	FILTER-CAKEDL	108020	6.90	403340	8.18	202770	9.94

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

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

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

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Fax : 908 789 8922

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2149 SAS No.: Q2149 SDG NO.: Q2149

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/02/2025

Lab File ID: BF142590.D Time Analyzed: 11:30

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	415282	11.427	230387	14.074	238851	15.568
	UPPER LIMIT	830564	11.927	460774	14.574	477702	16.068
	LOWER LIMIT	207641	10.927	115194	13.574	119426	15.068
	EPA SAMPLE NO.						
01	PB168190TB	506551	11.43	326941	14.07	264975	15.56
02	PB168219BL	486581	11.43	317589	14.07	262091	15.56
03	PB168219BS	469369	11.43	247434	14.07	265001	15.57
04	FILTER-CAKE	288264	11.43	250895	14.07	269491	15.57
05	FILTER-CAKEDL	287091	11.43	219560	14.07	244032	15.57

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

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

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

SAMPLE DATA

Raw Data: **BF142593.D**

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

Report of Analysis

Client:	Aramark Uniforms	Date Collected:	05/30/25
Project:	Waste Characterization	Date Received:	05/30/25
Client Sample ID:	PB168190TB	SDG No.:	Q2149
Lab Sample ID:	PB168190TB	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA Group1
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
BF142593.D	1	05/30/25 09:52	06/02/25 12:57	PB168219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	120		23 - 138	80%	SPK: 150
13127-88-3	Phenol-d6	121		10 - 134	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.3		67 - 132	75%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.7		52 - 132	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	124		44 - 137	83%	SPK: 150
1718-51-0	Terphenyl-d14	69.4		42 - 152	69%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	125000	6.898			
1146-65-2	Naphthalene-d8	485000	8.181			
15067-26-2	Acenaphthene-d10	271000	9.939			
1517-22-2	Phenanthrene-d10	507000	11.427			
1719-03-5	Chrysene-d12	327000	14.068			
1520-96-3	Perylene-d12	265000	15.562			

Raw Data: **BF142593.D**

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

Report of Analysis

Client:	Aramark Uniforms	Date Collected:	05/30/25
Project:	Waste Characterization	Date Received:	05/30/25
Client Sample ID:	PB168190TB	SDG No.:	Q2149
Lab Sample ID:	PB168190TB	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA Group1
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
BF142593.D	1	05/30/25 09:52	06/02/25 12:57	PB168219

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\BF060225\
Data File : BF142593.D
Acq On : 02 Jun 2025 12:57
Operator : RC/JU
Sample : PB168190TB
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168190TB

Quant Time: Jun 02 13:20:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

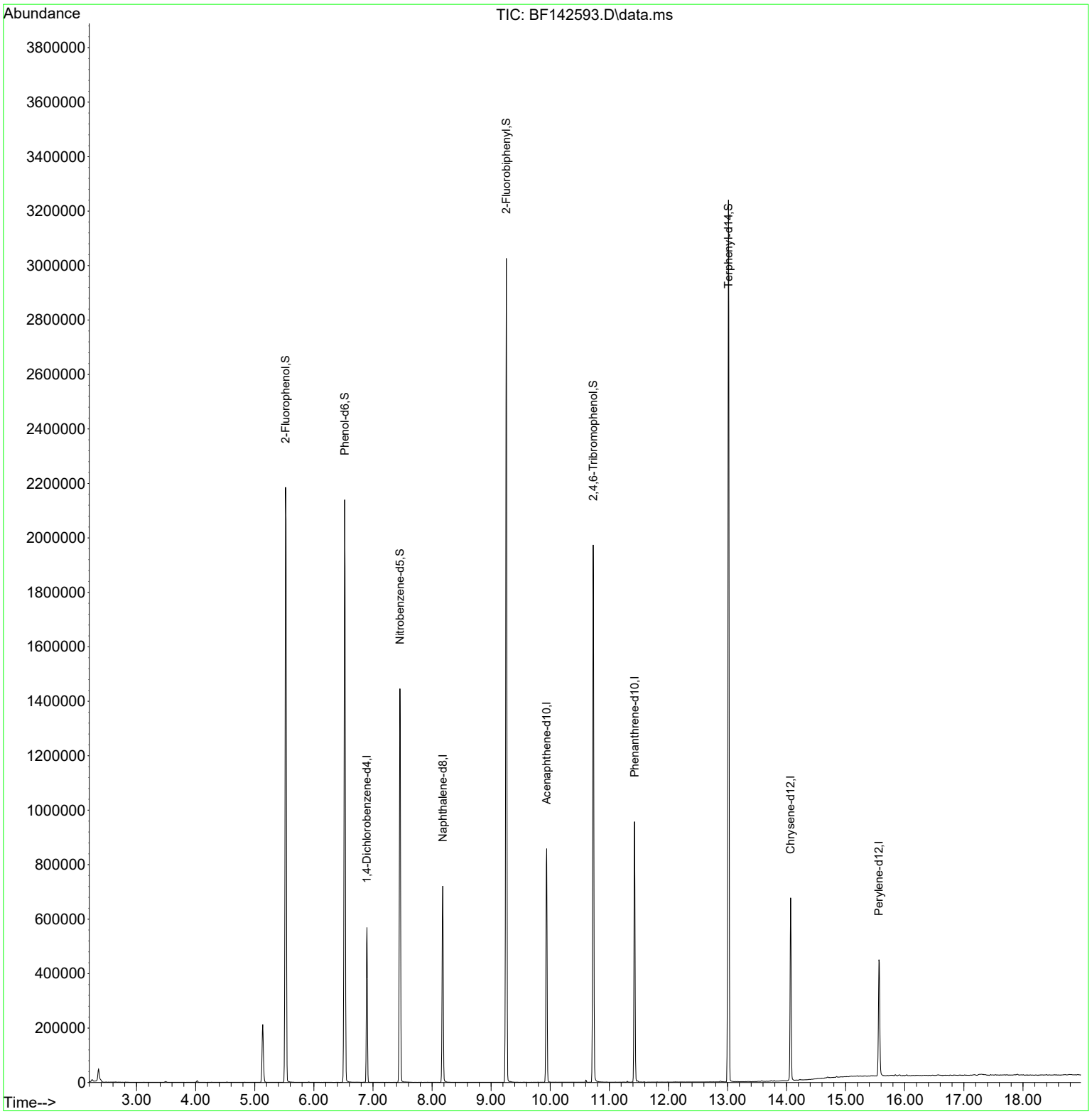
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	125334	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	485126	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	270958	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	506551	20.000	ng	0.00
76) Chrysene-d12	14.068	240	326941	20.000	ng	# 0.00
86) Perylene-d12	15.562	264	264975	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	894032	120.177	ng	0.00
7) Phenol-d6	6.522	99	1086252	121.299	ng	-0.01
23) Nitrobenzene-d5	7.457	82	670272	75.339	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	373111	124.069	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1447234	71.671	ng	-0.01
79) Terphenyl-d14	13.015	244	1661227	69.436	ng	0.00
Target Compounds						Qvalue

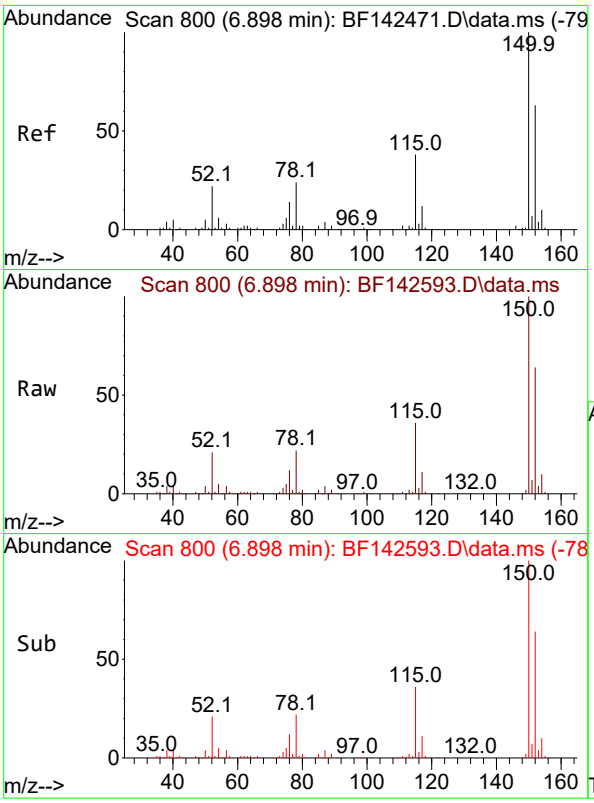
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142593.D
Acq On : 02 Jun 2025 12:57
Operator : RC/JU
Sample : PB168190TB
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168190TB

Quant Time: Jun 02 13:20:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



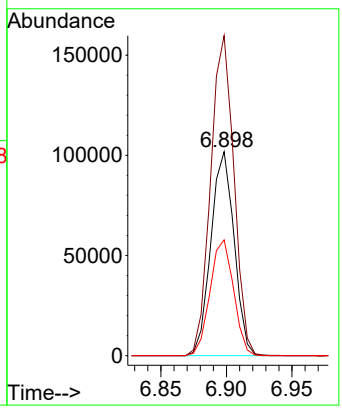


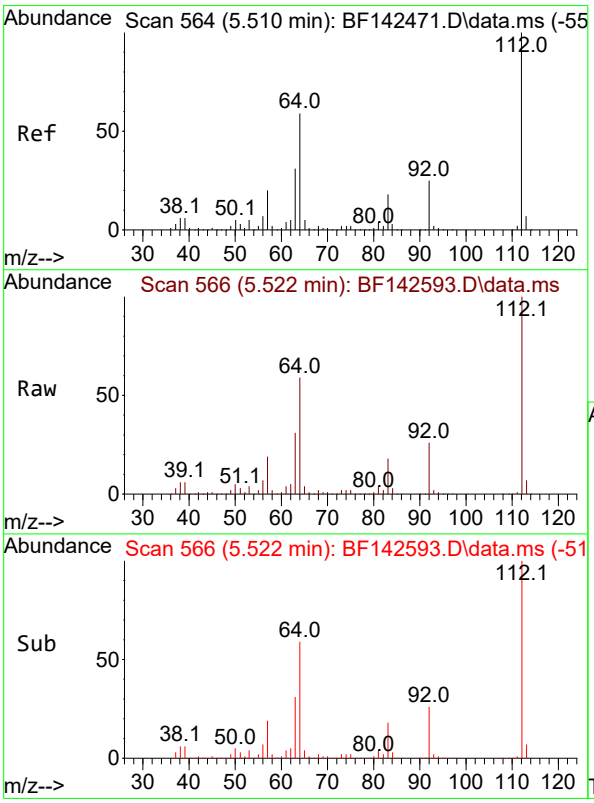
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142593.D
Acq: 02 Jun 2025 12:57

Instrument :
BNA_F
ClientSampleId :
PB168190TB

Tgt Ion:152 Resp: 125334

Ion	Ratio	Lower	Upper
152	100		
150	156.9	128.2	192.4
115	56.8	48.3	72.5

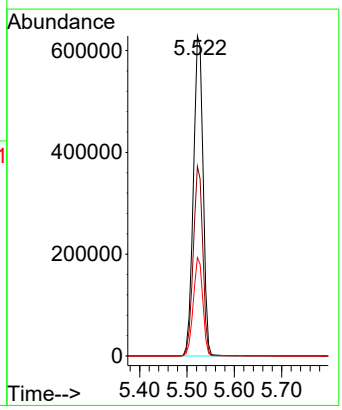


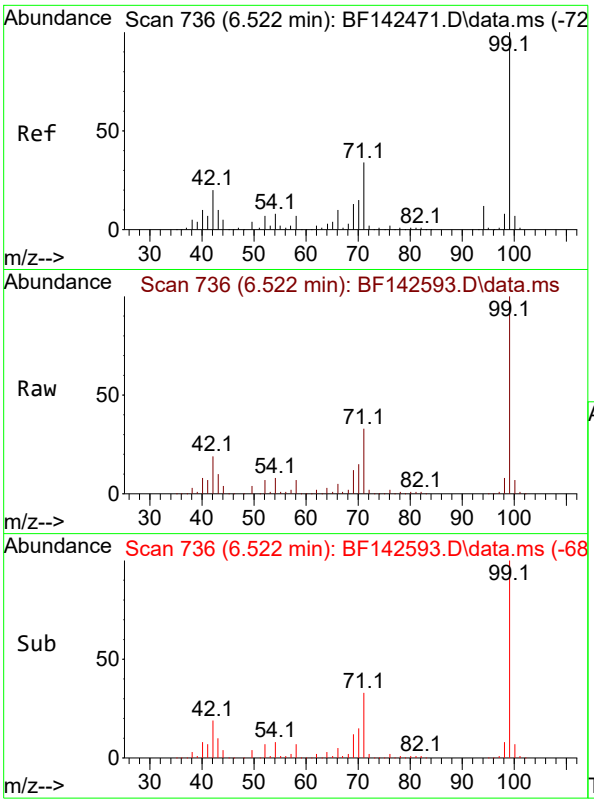


#5
2-Fluorophenol
Concen: 120.177 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.006 min
Lab File: BF142593.D
Acq: 02 Jun 2025 12:57

Tgt Ion:112 Resp: 894032

Ion	Ratio	Lower	Upper
112	100		
64	59.3	47.5	71.3
63	30.8	24.9	37.3



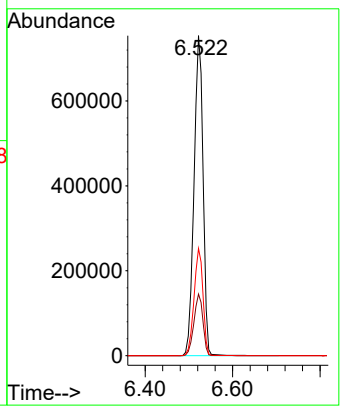


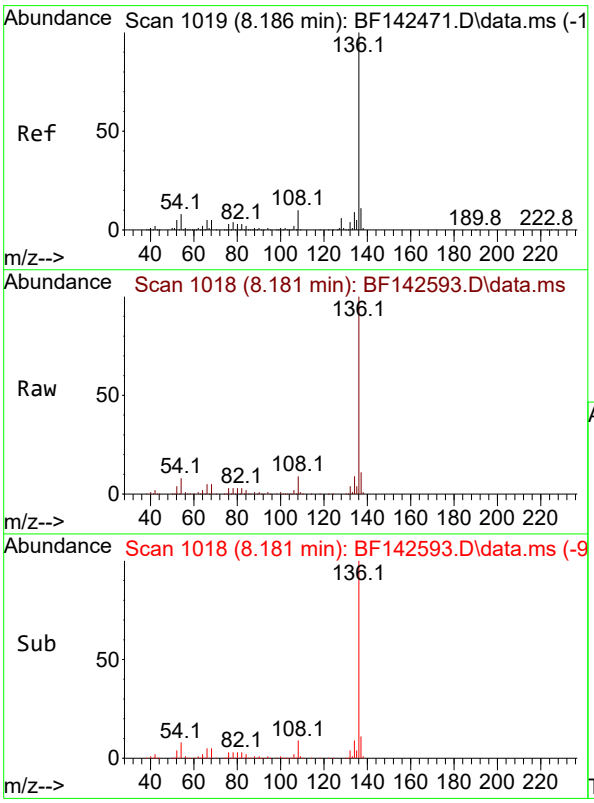
#7
Phenol-d6
Concen: 121.299 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142593.D
Acq: 02 Jun 2025 12:57

Instrument :
BNA_F
ClientSampleId :
PB168190TB

Tgt Ion: 99 Resp: 1086252

Ion	Ratio	Lower	Upper
99	100		
42	19.2	16.2	24.2
71	33.5	27.3	40.9

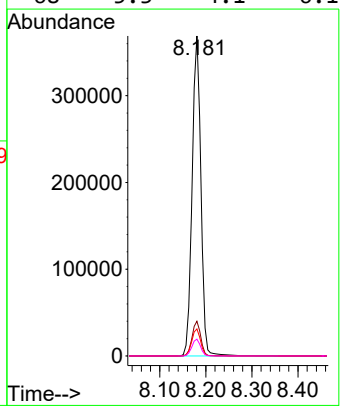


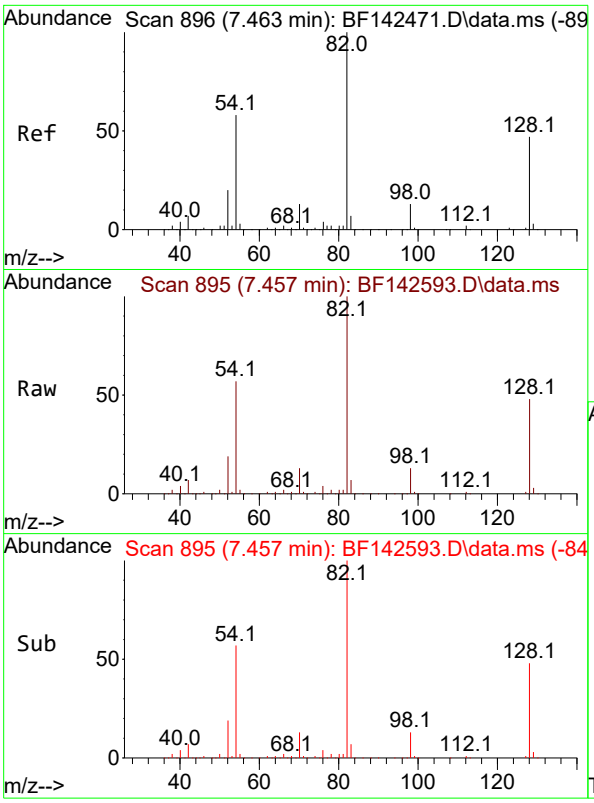


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142593.D
Acq: 02 Jun 2025 12:57

Tgt Ion:136 Resp: 485126

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.4	6.6	10.0
68	5.3	4.1	6.1



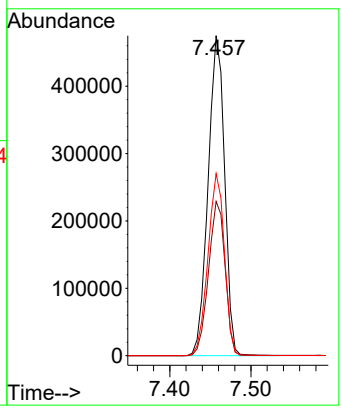


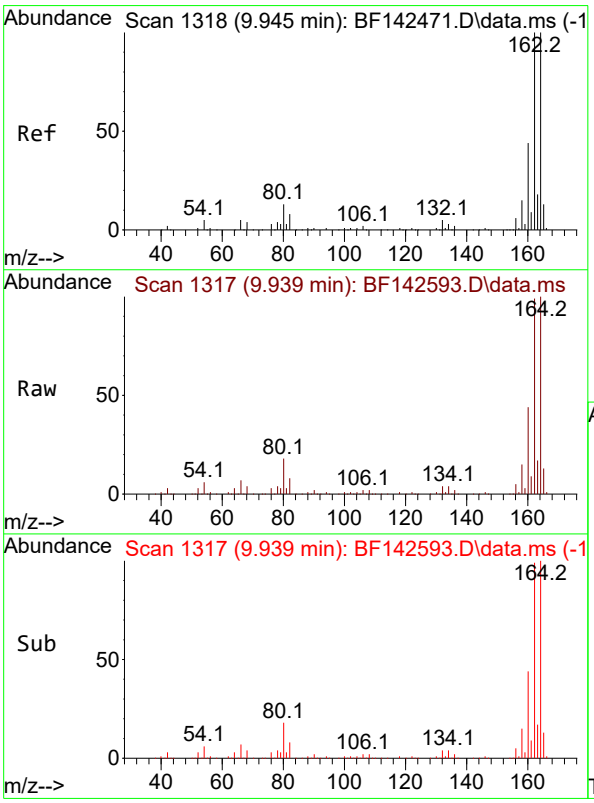
#23
Nitrobenzene-d5
Concen: 75.339 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142593.D
Acq: 02 Jun 2025 12:57

Instrument :
BNA_F
ClientSampleId :
PB168190TB

Tgt Ion: 82 Resp: 670272

Ion	Ratio	Lower	Upper
82	100		
128	48.2	37.4	56.2
54	56.9	46.6	70.0

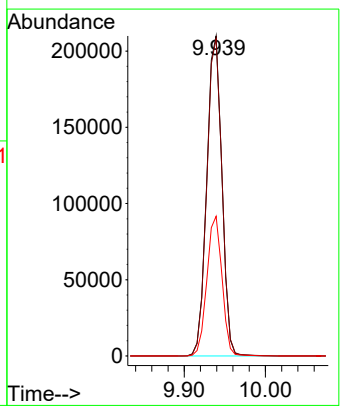


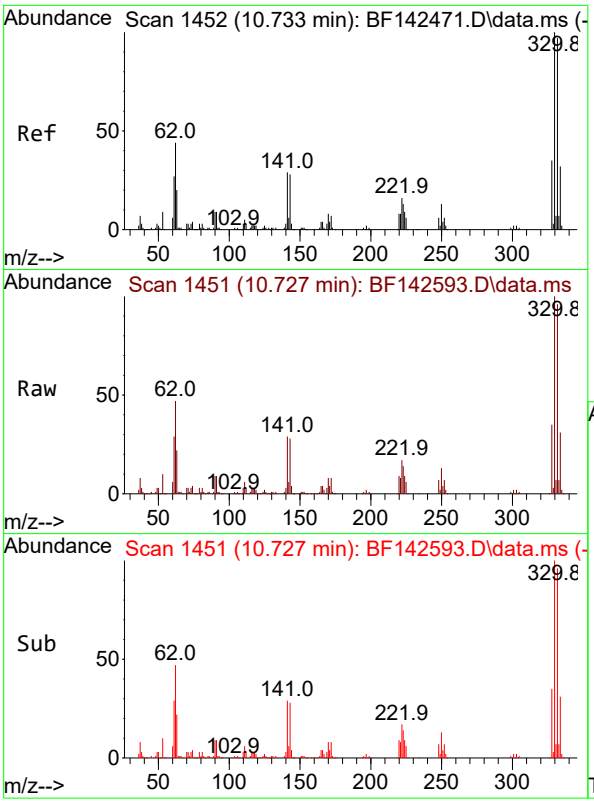


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142593.D
Acq: 02 Jun 2025 12:57

Tgt Ion:164 Resp: 270958

Ion	Ratio	Lower	Upper
164	100		
162	99.2	80.2	120.4
160	43.7	35.6	53.4



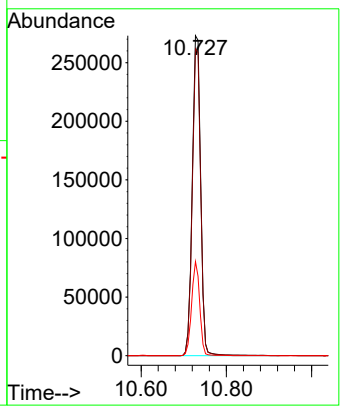


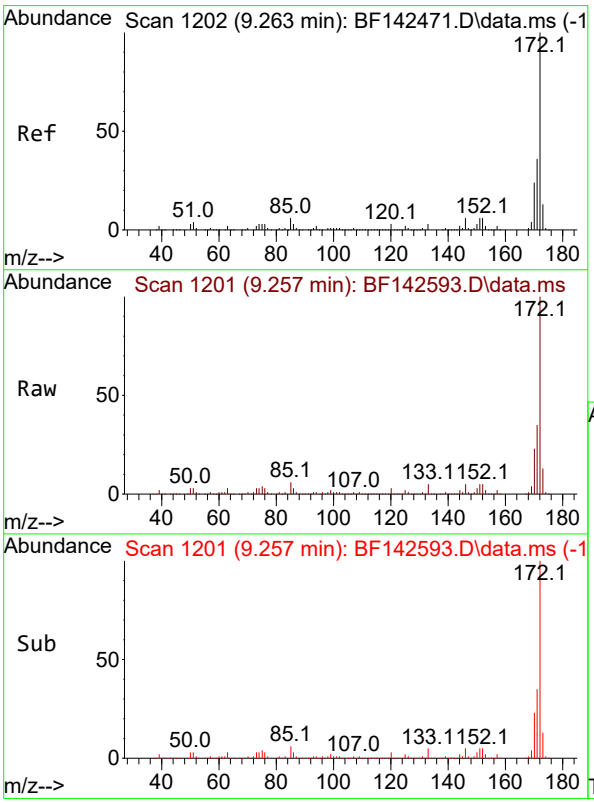
#42
2,4,6-Tribromophenol
Concen: 124.069 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142593.D
Acq: 02 Jun 2025 12:57

Instrument :
BNA_F
ClientSampleId :
PB168190TB

Tgt Ion:330 Resp: 373111

Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.6	116.4
141	28.4	24.6	36.8

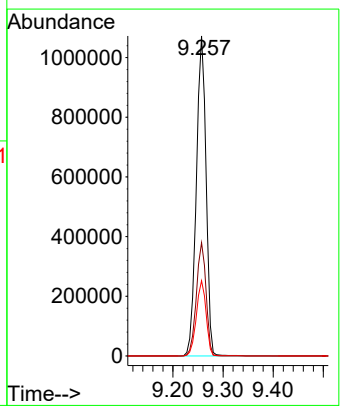


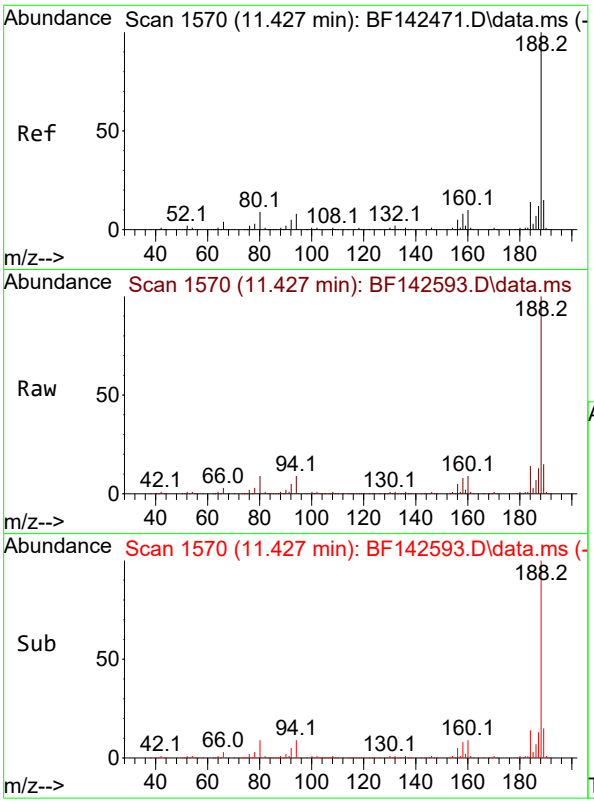


#45
2-Fluorobiphenyl
Concen: 71.671 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142593.D
Acq: 02 Jun 2025 12:57

Tgt Ion:172 Resp: 1447234

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	42.8
170	23.5	18.9	28.3



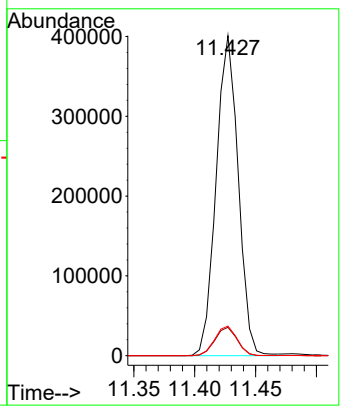


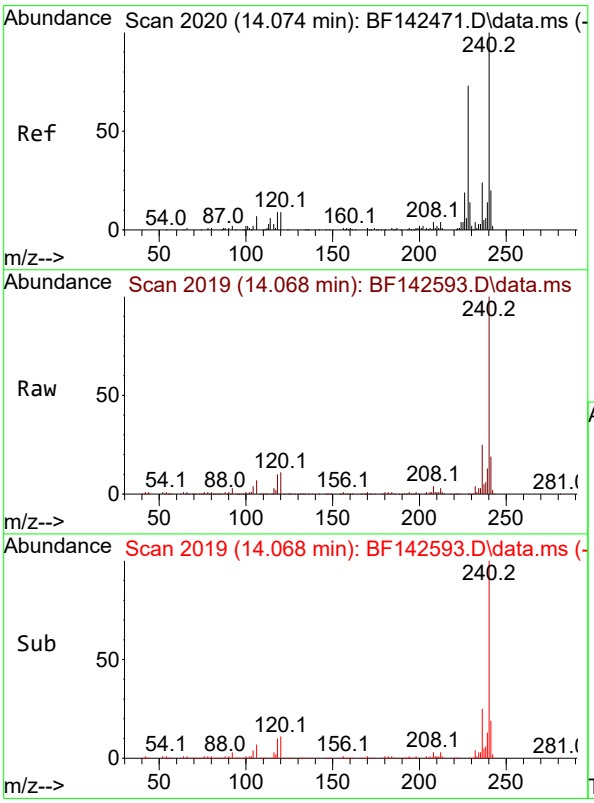
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142593.D
Acq: 02 Jun 2025 12:57

Instrument :
BNA_F
ClientSampleId :
PB168190TB

Tgt Ion:188 Resp: 506551

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.6	10.0
80	9.2	7.4	11.0

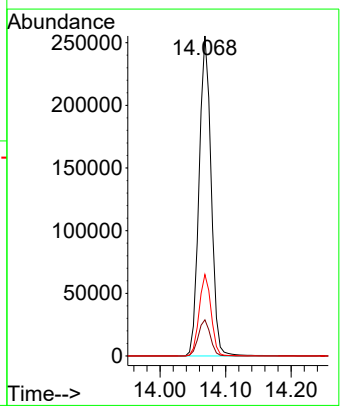


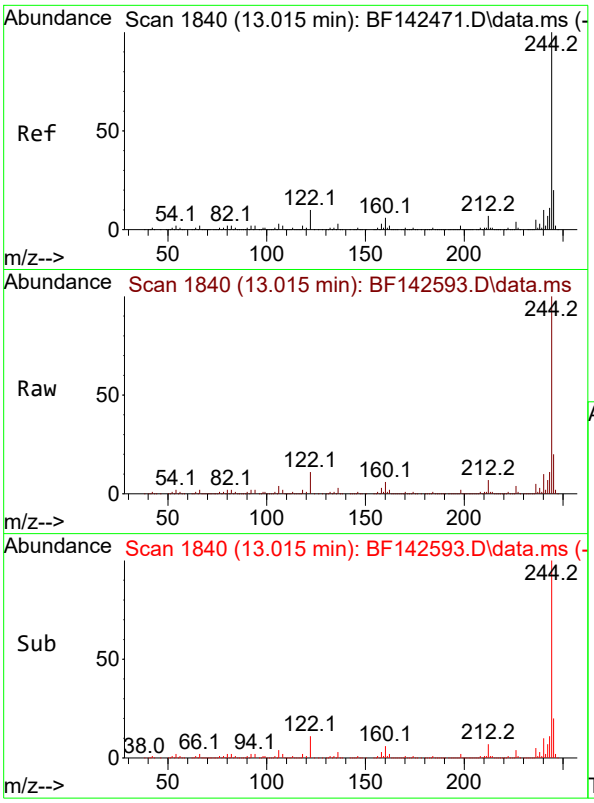


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142593.D
Acq: 02 Jun 2025 12:57

Tgt Ion:240 Resp: 326941

Ion	Ratio	Lower	Upper
240	100		
120	11.3	7.5	11.3#
236	25.4	19.6	29.4



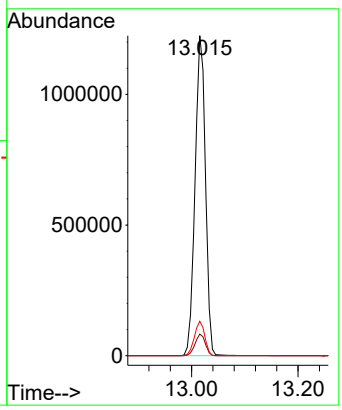


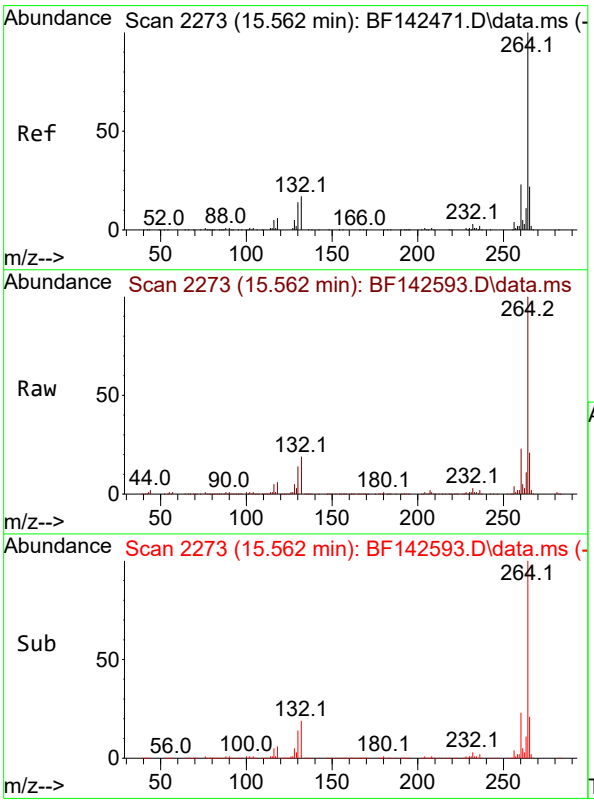
#79
Terphenyl-d14
Concen: 69.436 ng
RT: 13.015 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142593.D
Acq: 02 Jun 2025 12:57

Instrument :
BNA_F
ClientSampleId :
PB168190TB

Tgt Ion:244 Resp: 1661227

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	10.7	8.2	12.2

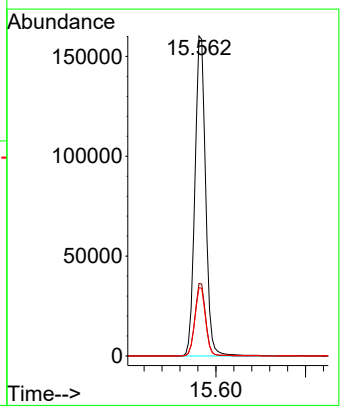




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142593.D
Acq: 02 Jun 2025 12:57

Tgt Ion:264 Resp: 264975

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.6	28.0
265	21.4	17.7	26.5



Raw Data: **BF142599.D**

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

Report of Analysis

Client:	Aramark Uniforms	Date Collected:	05/28/25
Project:	Waste Characterization	Date Received:	05/28/25
Client Sample ID:	FILTER-CAKE	SDG No.:	Q2149
Lab Sample ID:	Q2149-01	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA Group1
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
BF142599.D	1	05/30/25 09:52	06/02/25 16:03	PB168219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	1200	E	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	102		23 - 138	68%	SPK: 150
13127-88-3	Phenol-d6	91.2		10 - 134	61%	SPK: 150
4165-60-0	Nitrobenzene-d5	74.0		67 - 132	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.4		52 - 132	73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	97.1		44 - 137	65%	SPK: 150
1718-51-0	Terphenyl-d14	45.2		42 - 152	45%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	125000	6.898			
1146-65-2	Naphthalene-d8	456000	8.18			
15067-26-2	Acenaphthene-d10	210000	9.939			
1517-22-2	Phenanthrene-d10	288000	11.427			
1719-03-5	Chrysene-d12	251000	14.074			
1520-96-3	Perylene-d12	269000	15.568			

Raw Data: **BF142599.D**

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Report of Analysis

Client:	Aramark Uniforms	Date Collected:	05/28/25
Project:	Waste Characterization	Date Received:	05/28/25
Client Sample ID:	FILTER-CAKE	SDG No.:	Q2149
Lab Sample ID:	Q2149-01	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA Group1
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
BF142599.D	1	05/30/25 09:52	06/02/25 16:03	PB168219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **BF142599.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142599.D
Acq On : 02 Jun 2025 16:03
Operator : RC/JU
Sample : Q2149-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

Quant Time: Jun 02 16:53:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	124508	20.000	ng	0.00
21) Naphthalene-d8	8.180	136	456228	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	209752	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	288264	20.000	ng	0.00
76) Chrysene-d12	14.074	240	250895	20.000	ng	0.00
86) Perylene-d12	15.568	264	269491	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	750355	101.533	ng	0.02
7) Phenol-d6	6.533	99	810952	91.158	ng	0.00
23) Nitrobenzene-d5	7.463	82	618911	73.973	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	226107	97.126	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1148116	73.449	ng	-0.01
79) Terphenyl-d14	13.015	244	829246	45.166	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.545	94	34596	3.456	ng	# 62
15) Benzyl Alcohol	7.051	79	88954	13.531	ng	97
20) 3+4-Methylphenols	7.310	107	985246	122.420	ng	# 56
32) Benzoic acid	8.022	122	58420m	13.497	ng	
50) Dimethylphthalate	9.651	163	37087	2.680	ng	# 99
84) Bis(2-ethylhexyl)phtha...	14.051	149	33631	4.062	ng	# 93

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

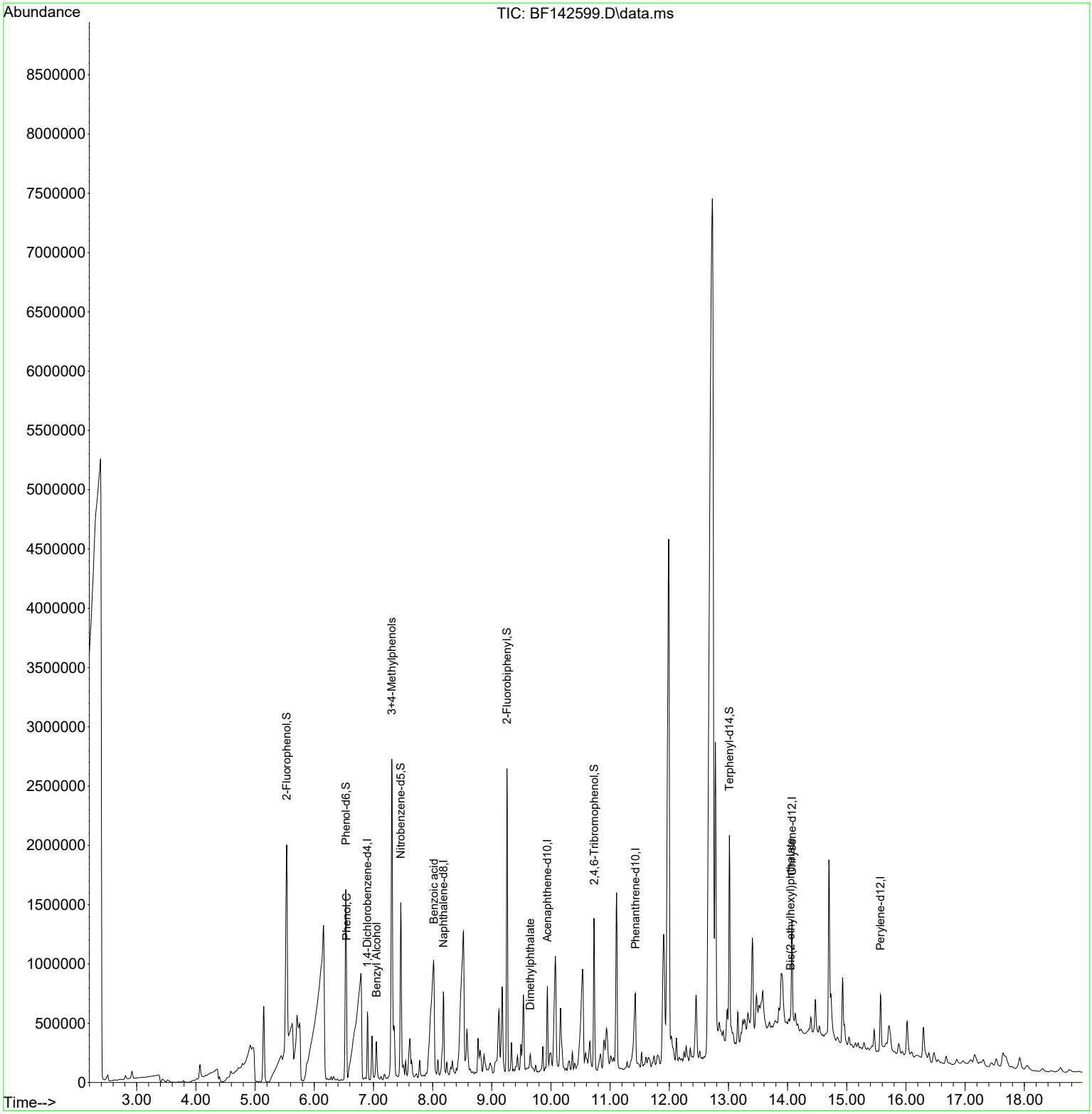
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142599.D
Acq On : 02 Jun 2025 16:03
Operator : RC/JU
Sample : Q2149-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

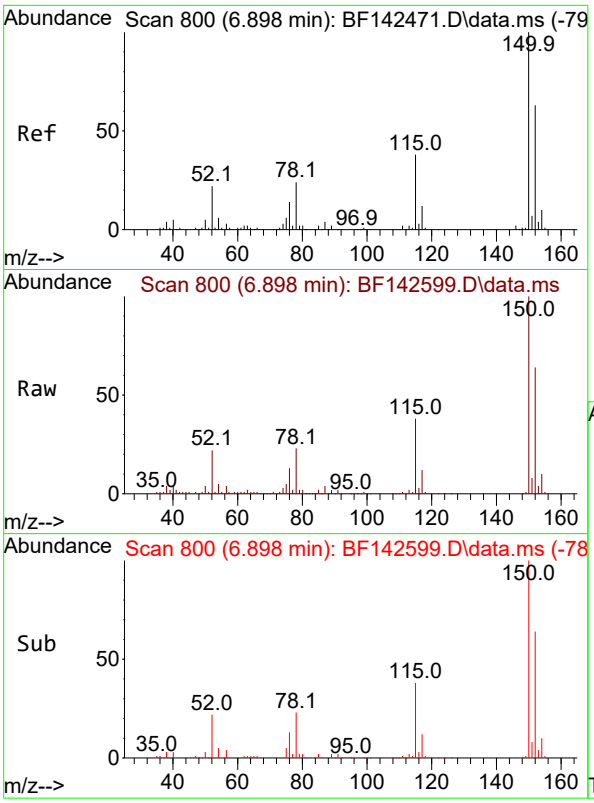
Quant Time: Jun 02 16:53:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

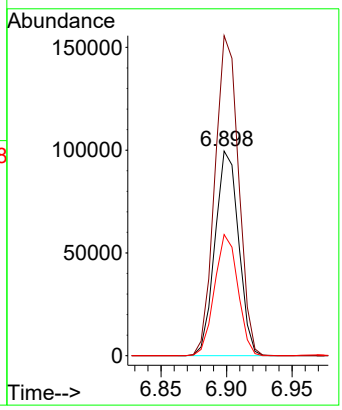




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

Tgt Ion:152 Resp: 12450

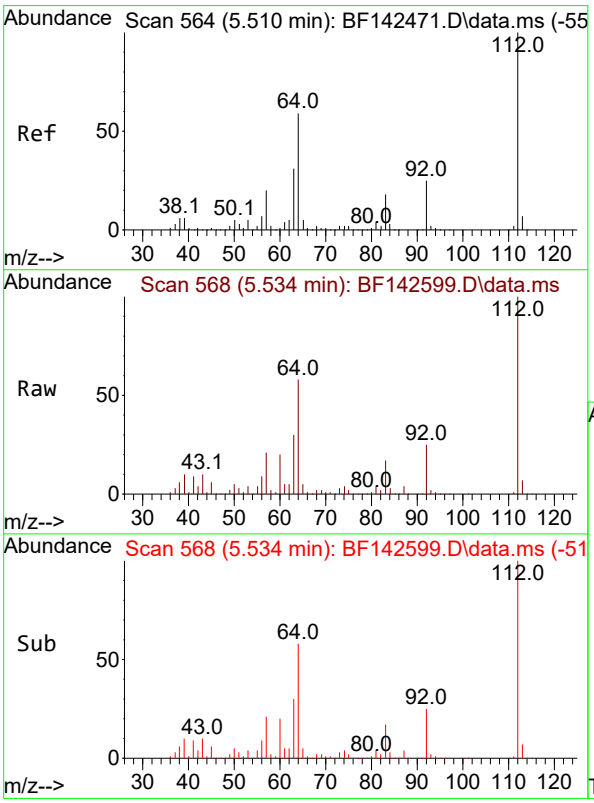
Ion	Ratio	Lower	Upper
152	100		
150	156.4	128.2	192.4
115	59.2	48.3	72.5



Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

Manual Integrations
APPROVED

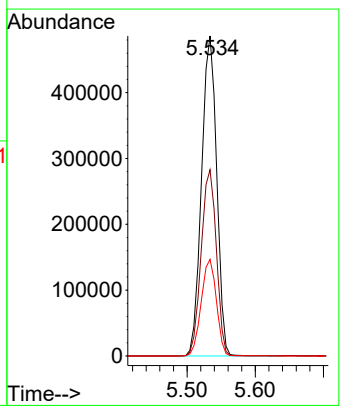
Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

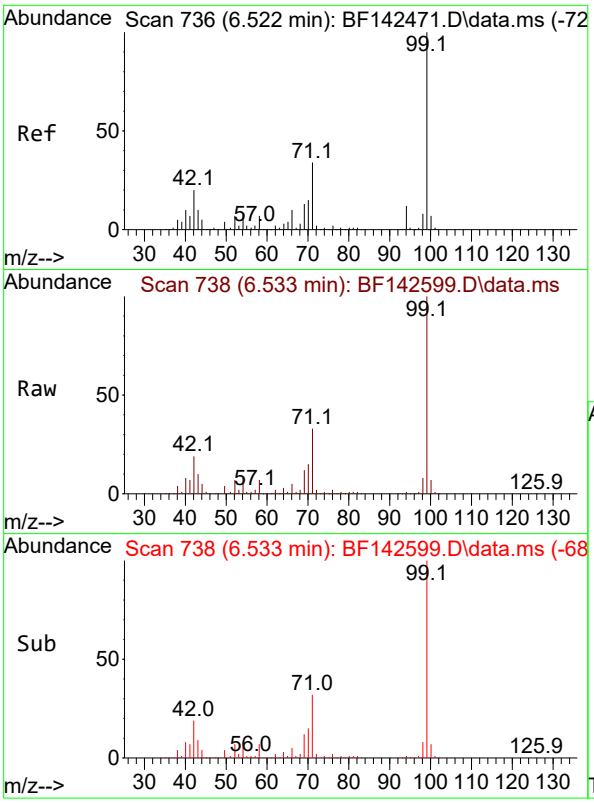


#5
2-Fluorophenol
Concen: 101.533 ng
RT: 5.534 min Scan# 568
Delta R.T. 0.018 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

Tgt Ion:112 Resp: 750355

Ion	Ratio	Lower	Upper
112	100		
64	58.2	47.5	71.3
63	30.2	24.9	37.3





#7
Phenol-d6
Concen: 91.158 ng
RT: 6.533 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

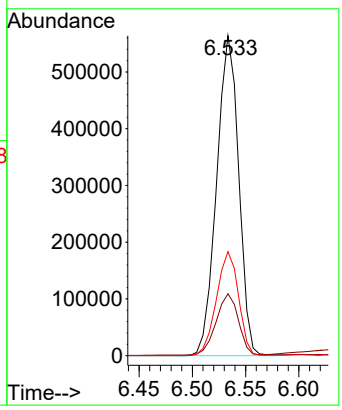
Tgt Ion: 99 Resp: 81095

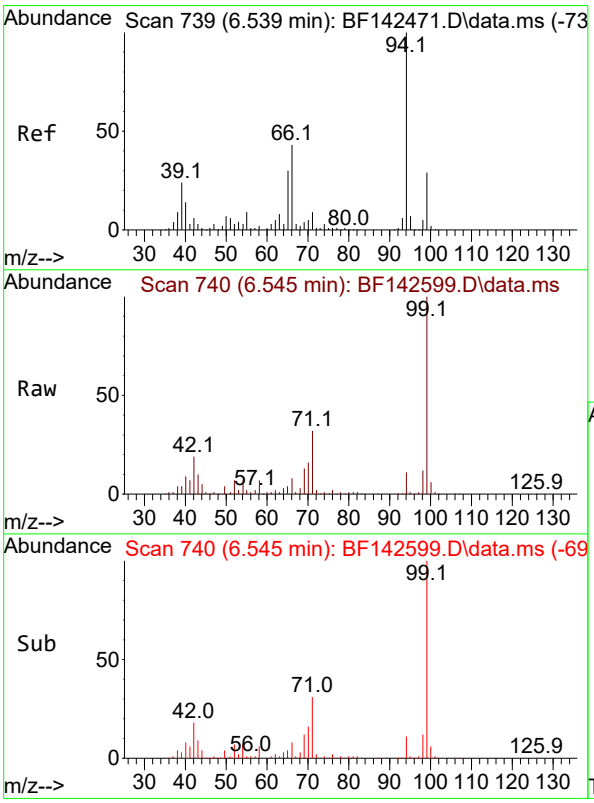
Ion	Ratio	Lower	Upper
99	100		
42	19.4	16.2	24.2
71	32.5	27.3	40.9

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

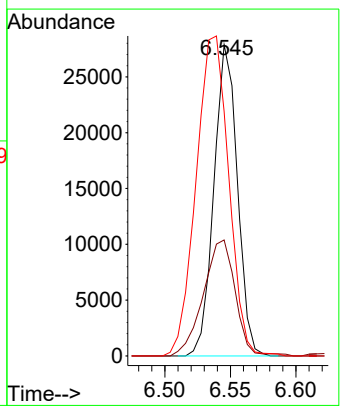


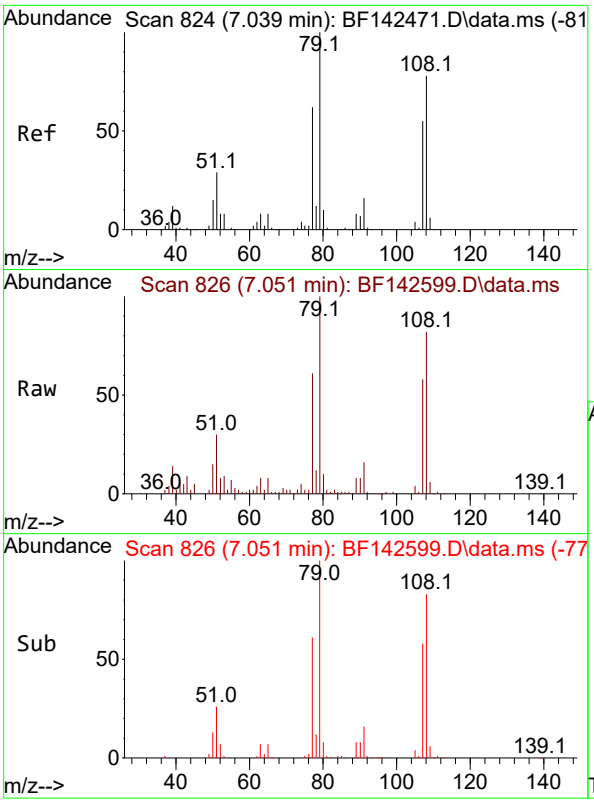


#10
Phenol
Concen: 3.456 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

Tgt Ion: 94 Resp: 34596

Ion	Ratio	Lower	Upper
94	100		
65	37.3	10.3	50.3
66	78.5	22.6	62.6#





#15
Benzyl Alcohol
Concen: 13.531 ng
RT: 7.051 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

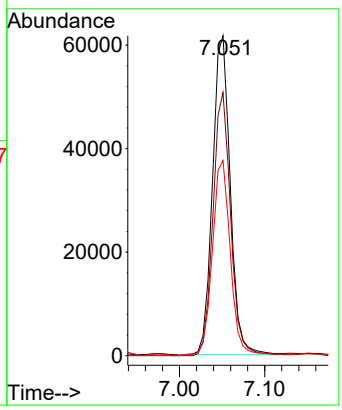
Tgt Ion: 79 Resp: 8895

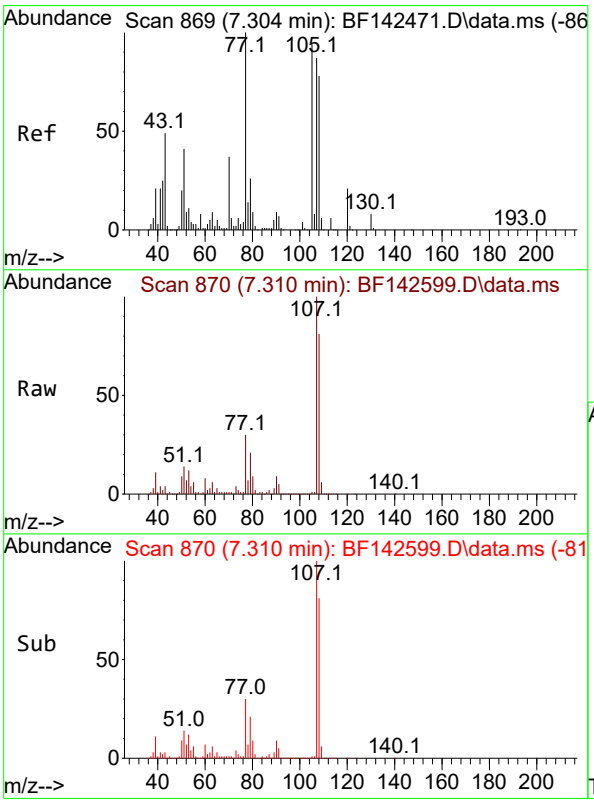
Ion	Ratio	Lower	Upper
79	100		
108	82.2	62.1	93.1
77	61.0	49.5	74.3

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

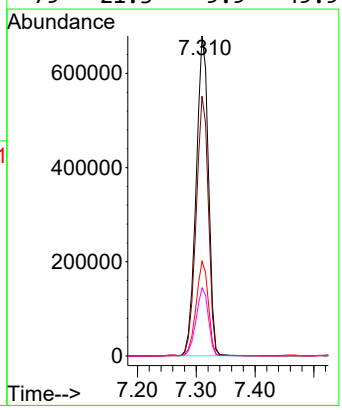


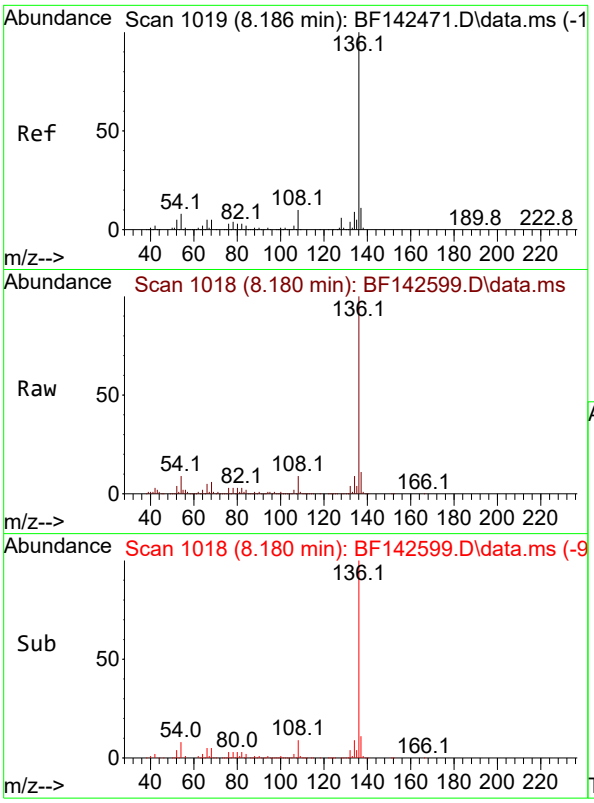


#20
3+4-Methylphenols
Concen: 122.420 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.000 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

Tgt Ion:107 Resp: 985246

Ion	Ratio	Lower	Upper
107	100		
108	81.1	70.4	110.4
77	29.6	95.4	135.4#
79	21.3	9.9	49.9

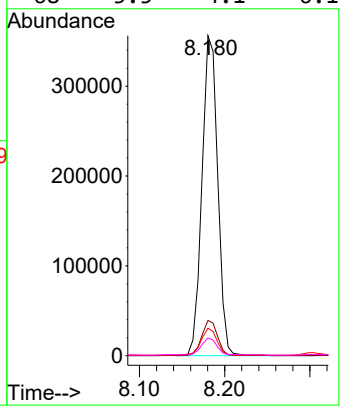




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.180 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

Tgt Ion:136 Resp: 45622

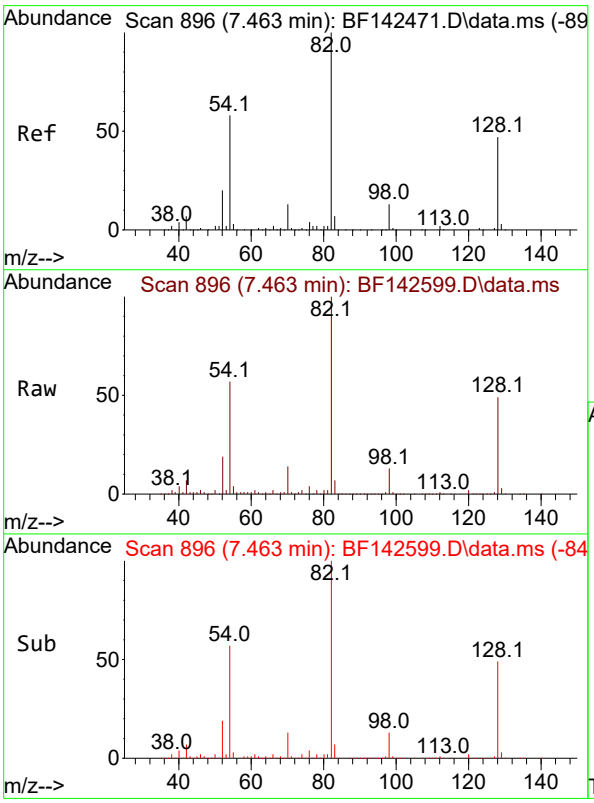
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.6	6.6	10.0
68	5.5	4.1	6.1



Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

Manual Integrations
APPROVED

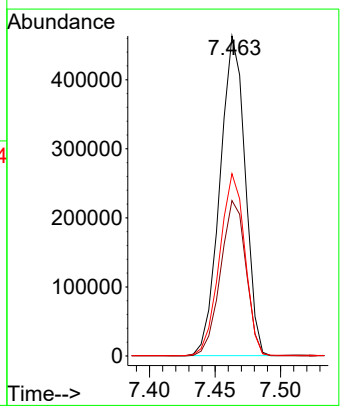
Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

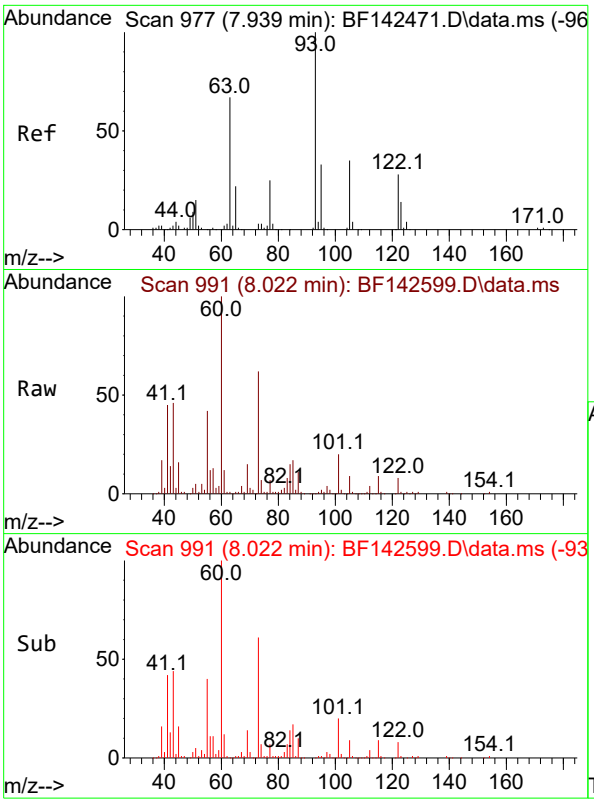


#23
Nitrobenzene-d5
Concen: 73.973 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

Tgt Ion: 82 Resp: 618911

Ion	Ratio	Lower	Upper
82	100		
128	48.6	37.4	56.2
54	57.0	46.6	70.0

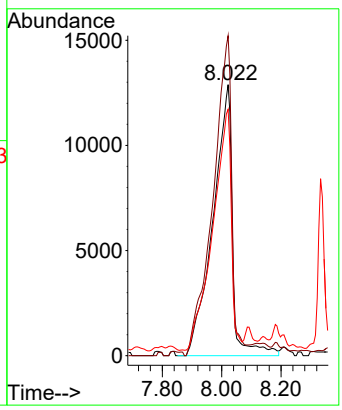




#32
Benzoic acid
Concen: 13.497 ng m
RT: 8.022 min Scan# 9
Delta R.T. 0.047 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

Tgt Ion:122 Resp: 5842

Ion	Ratio	Lower	Upper
122	100		
105	118.1	101.7	141.7
77	90.9	69.5	109.5



Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

Manual Integrations
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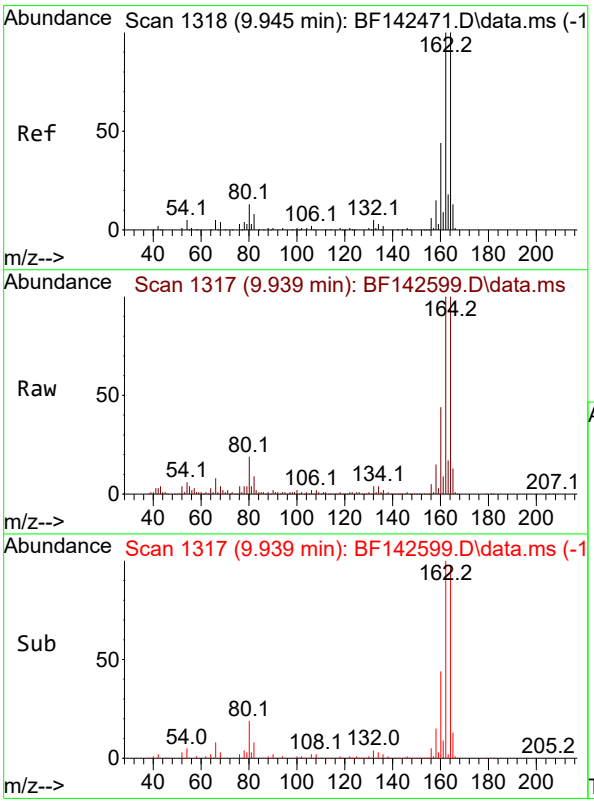
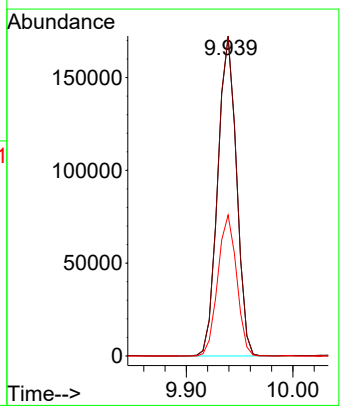
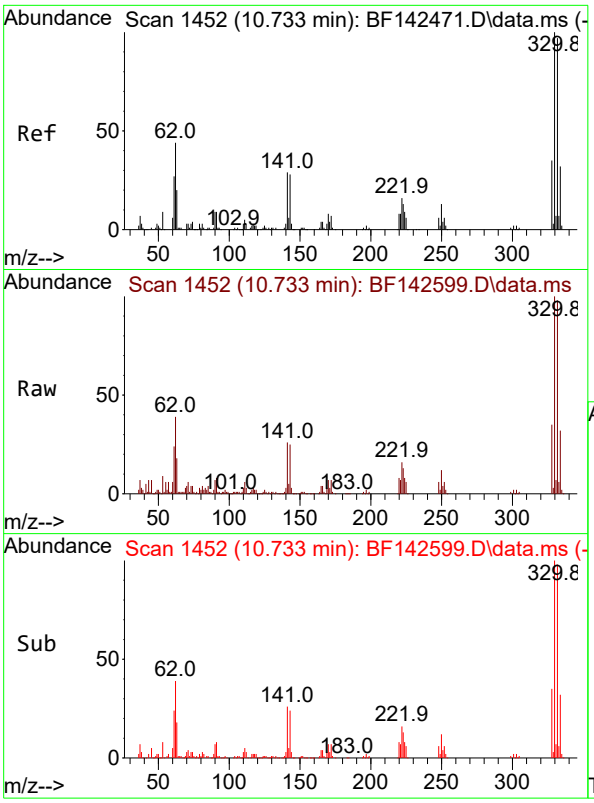


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

Tgt Ion:164 Resp: 209752

Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.2	120.4
160	44.2	35.6	53.4

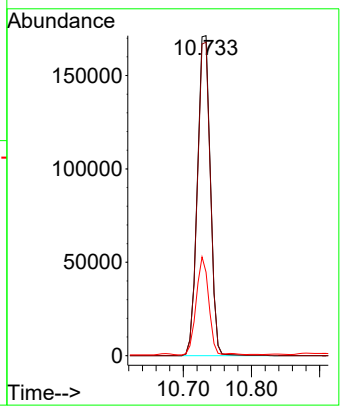




#42
2,4,6-Tribromophenol
Concen: 97.126 ng
RT: 10.733 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

Tgt Ion:330 Resp: 22610

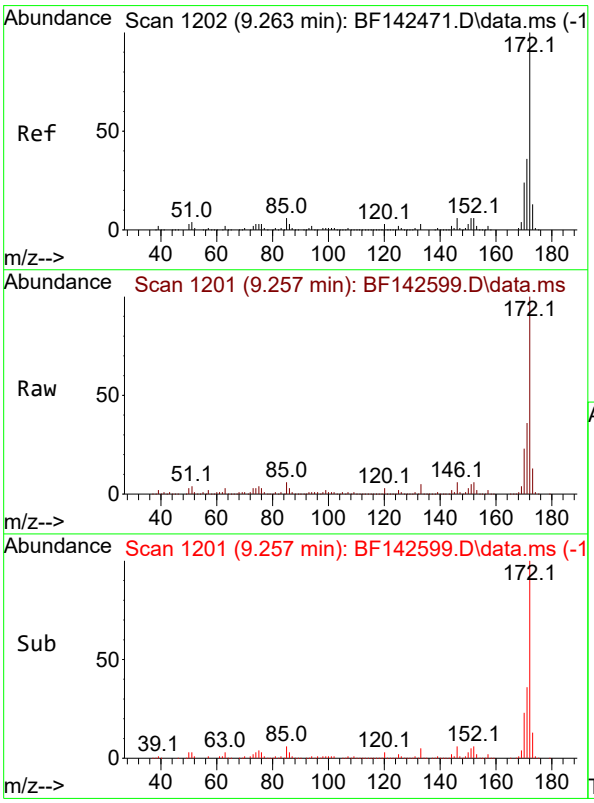
Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.6	116.4
141	29.4	24.6	36.8



Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

Manual Integrations
APPROVED

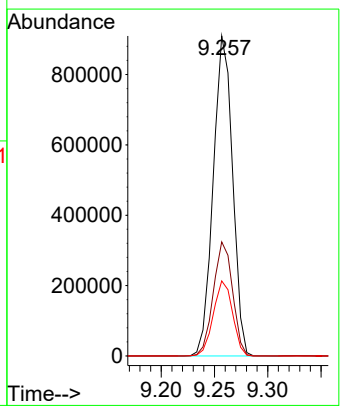
Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

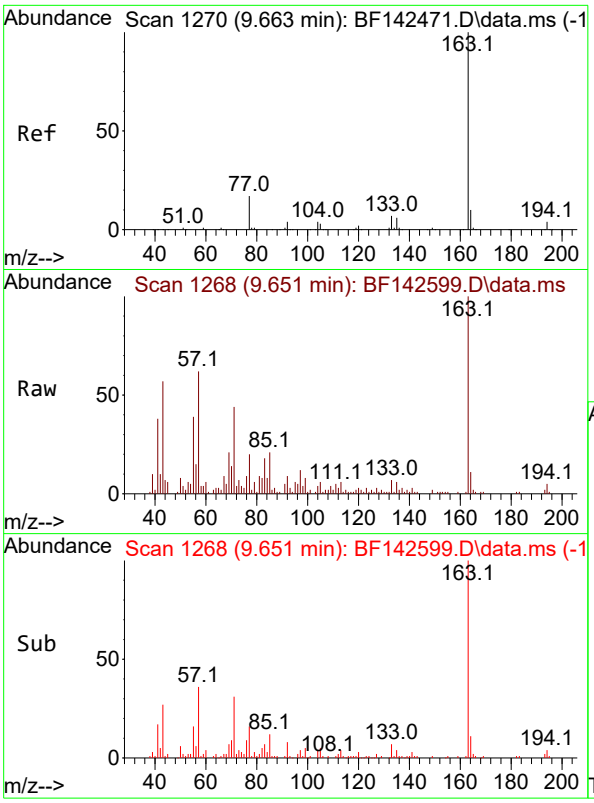


#45
2-Fluorobiphenyl
Concen: 73.449 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

Tgt Ion:172 Resp: 1148116

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	42.8
170	23.5	18.9	28.3

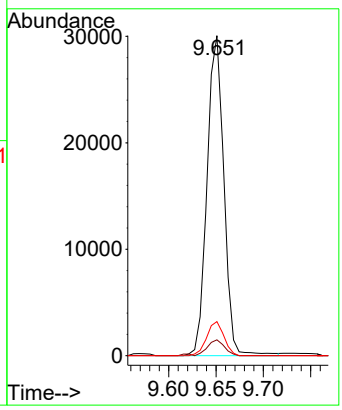




#50
Dimethylphthalate
Concen: 2.680 ng
RT: 9.651 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

Tgt Ion:163 Resp: 3708

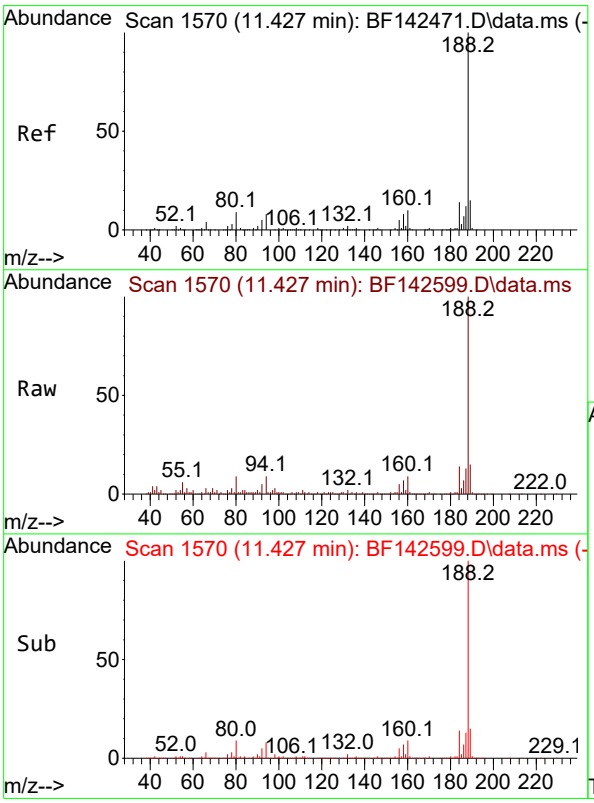
Ion	Ratio	Lower	Upper
163	100		
194	5.0	3.3	4.9
164	10.7	8.2	12.4



Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

Manual Integrations
APPROVED

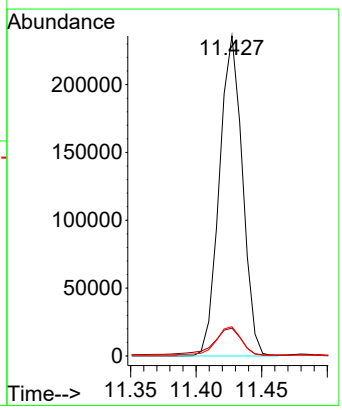
Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

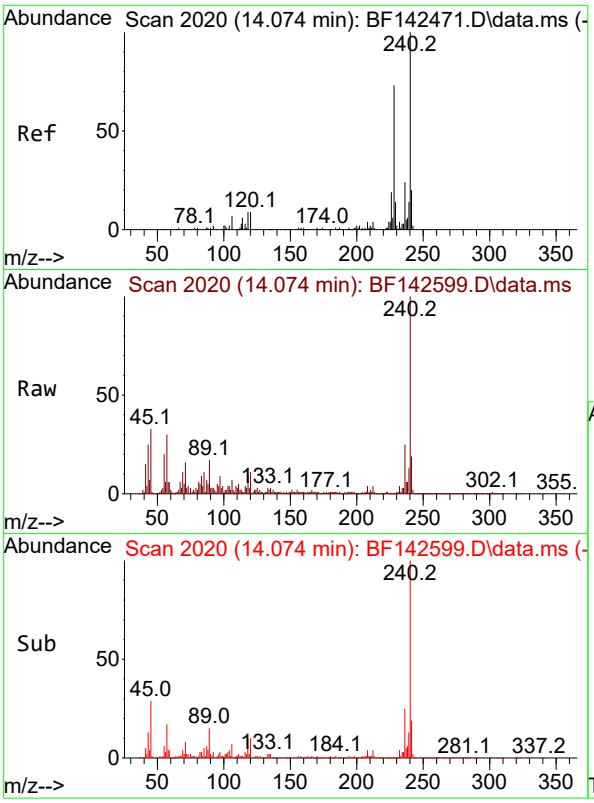


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

Tgt Ion:188 Resp: 288264

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.1	7.4	11.0

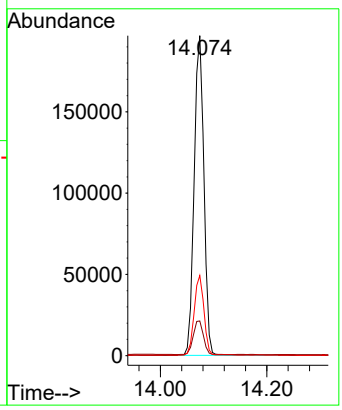




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

Tgt Ion:240 Resp: 25089

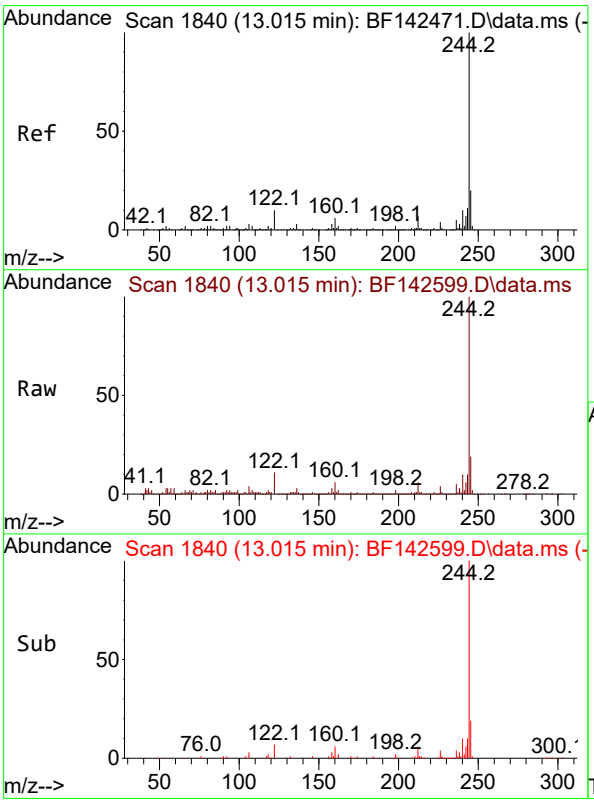
Ion	Ratio	Lower	Upper
240	100		
120	10.8	7.5	11.3
236	25.1	19.6	29.4



Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

Manual Integrations
APPROVED

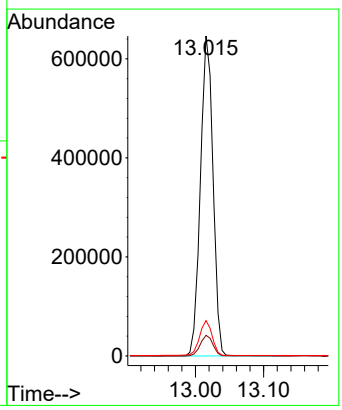
Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

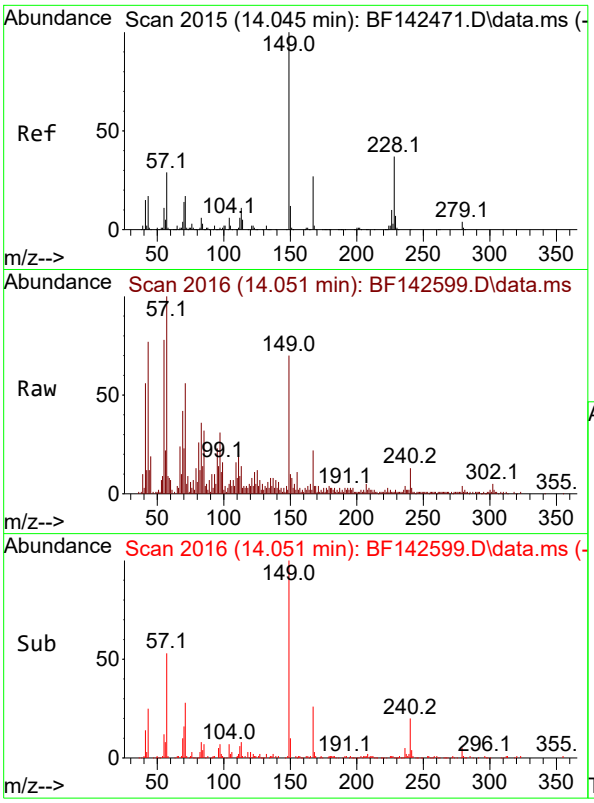


#79
Terphenyl-d14
Concen: 45.166 ng
RT: 13.015 min Scan# 1840
Delta R.T. -0.000 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

Tgt Ion:244 Resp: 829246

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.3	7.9
122	11.0	8.2	12.2

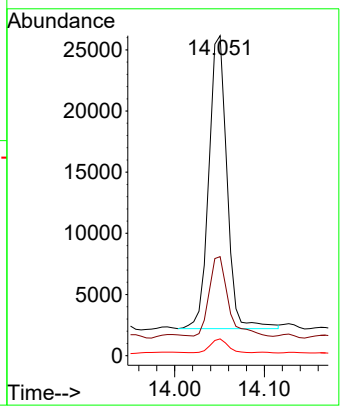




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.062 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

Tgt Ion:149 Resp: 3363

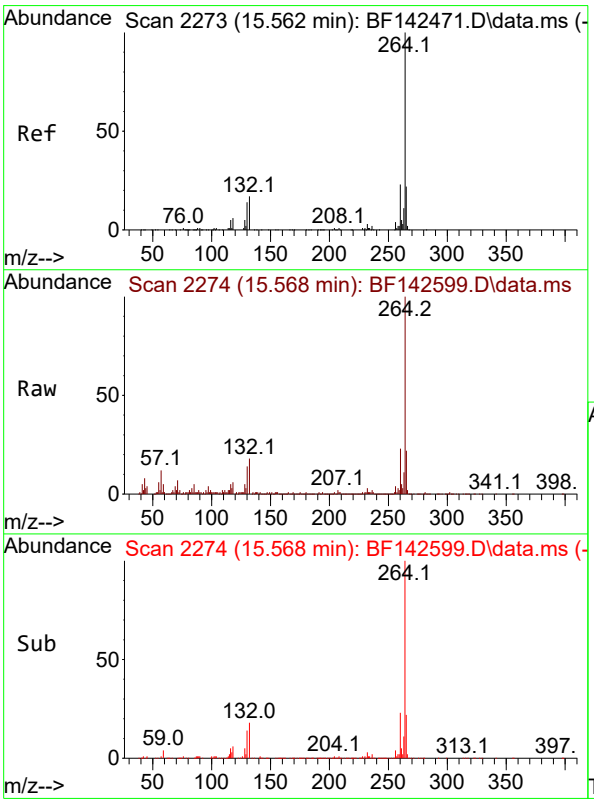
Ion	Ratio	Lower	Upper
149	100		
167	31.0	21.5	32.3
279	5.2	3.2	4.8



Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

Manual Integrations
APPROVED

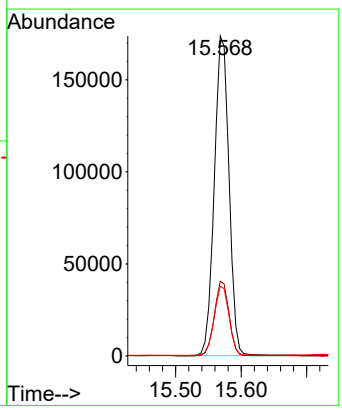
Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. -0.000 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

Tgt Ion:264 Resp: 269491

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.8	17.7	26.5



Raw Data: **BF142600.D**

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

Report of Analysis

Client:	Aramark Uniforms	Date Collected:	05/28/25
Project:	Waste Characterization	Date Received:	05/28/25
Client Sample ID:	FILTER-CAKEDL	SDG No.:	Q2149
Lab Sample ID:	Q2149-01DL	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA Group1
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
BF142600.D	5	05/30/25 09:52	06/02/25 17:11	PB168219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	64.0	UD	64.0	250	ug/L
106-46-7	1,4-Dichlorobenzene	26.5	UD	26.5	250	ug/L
95-48-7	2-Methylphenol	56.0	UD	56.0	250	ug/L
65794-96-9	3+4-Methylphenols	1700	D	55.0	500	ug/L
67-72-1	Hexachloroethane	32.5	UD	32.5	250	ug/L
98-95-3	Nitrobenzene	38.0	UD	38.0	250	ug/L
87-68-3	Hexachlorobutadiene	27.0	UD	27.0	250	ug/L
88-06-2	2,4,6-Trichlorophenol	25.5	UD	25.5	250	ug/L
95-95-4	2,4,5-Trichlorophenol	31.0	UD	31.0	250	ug/L
121-14-2	2,4-Dinitrotoluene	61.0	UD	61.0	250	ug/L
118-74-1	Hexachlorobenzene	26.0	UD	26.0	250	ug/L
87-86-5	Pentachlorophenol	79.0	UD	79.0	500	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	129		23 - 138	86%	SPK: 150
13127-88-3	Phenol-d6	118		10 - 134	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.9		67 - 132	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	95.0		52 - 132	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	122		44 - 137	81%	SPK: 150
1718-51-0	Terphenyl-d14	58.5		42 - 152	59%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	108000	6.898			
1146-65-2	Naphthalene-d8	403000	8.181			
15067-26-2	Acenaphthene-d10	203000	9.939			
1517-22-2	Phenanthrene-d10	287000	11.427			
1719-03-5	Chrysene-d12	220000	14.068			
1520-96-3	Perylene-d12	244000	15.568			

Raw Data: **BF142600.D**

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

Report of Analysis

Client:	Aramark Uniforms	Date Collected:	05/28/25
Project:	Waste Characterization	Date Received:	05/28/25
Client Sample ID:	FILTER-CAKEDL	SDG No.:	Q2149
Lab Sample ID:	Q2149-01DL	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA Group1
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
BF142600.D	5	05/30/25 09:52	06/02/25 17:11	PB168219

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\BF060225\
Data File : BF142600.D
Acq On : 02 Jun 2025 17:11
Operator : RC/JU
Sample : Q2149-01DL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKEDL

Quant Time: Jun 02 19:03:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.898	152	108020	20.000	ng		0.00
21) Naphthalene-d8	8.181	136	403340	20.000	ng		0.00
39) Acenaphthene-d10	9.939	164	202770	20.000	ng		0.00
64) Phenanthrene-d10	11.427	188	287091	20.000	ng		0.00
76) Chrysene-d12	14.068	240	219560	20.000	ng		0.00
86) Perylene-d12	15.568	264	244032	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	166002	25.891	ng		0.00
7) Phenol-d6	6.522	99	181610	23.531	ng		-0.01
23) Nitrobenzene-d5	7.457	82	138869	18.774	ng		-0.02
42) 2,4,6-Tribromophenol	10.727	330	54718	24.314	ng		-0.01
45) 2-Fluorobiphenyl	9.251	172	287136	19.002	ng		-0.02
79) Terphenyl-d14	13.010	244	188080	11.706	ng		0.00
Target Compounds							Qvalue
15) Benzyl Alcohol	7.034	79	19655	3.446	ng		97
20) 3+4-Methylphenols	7.298	107	236135	33.819	ng	#	54
32) Benzoic acid	7.934	122	10971	2.867	ng		98

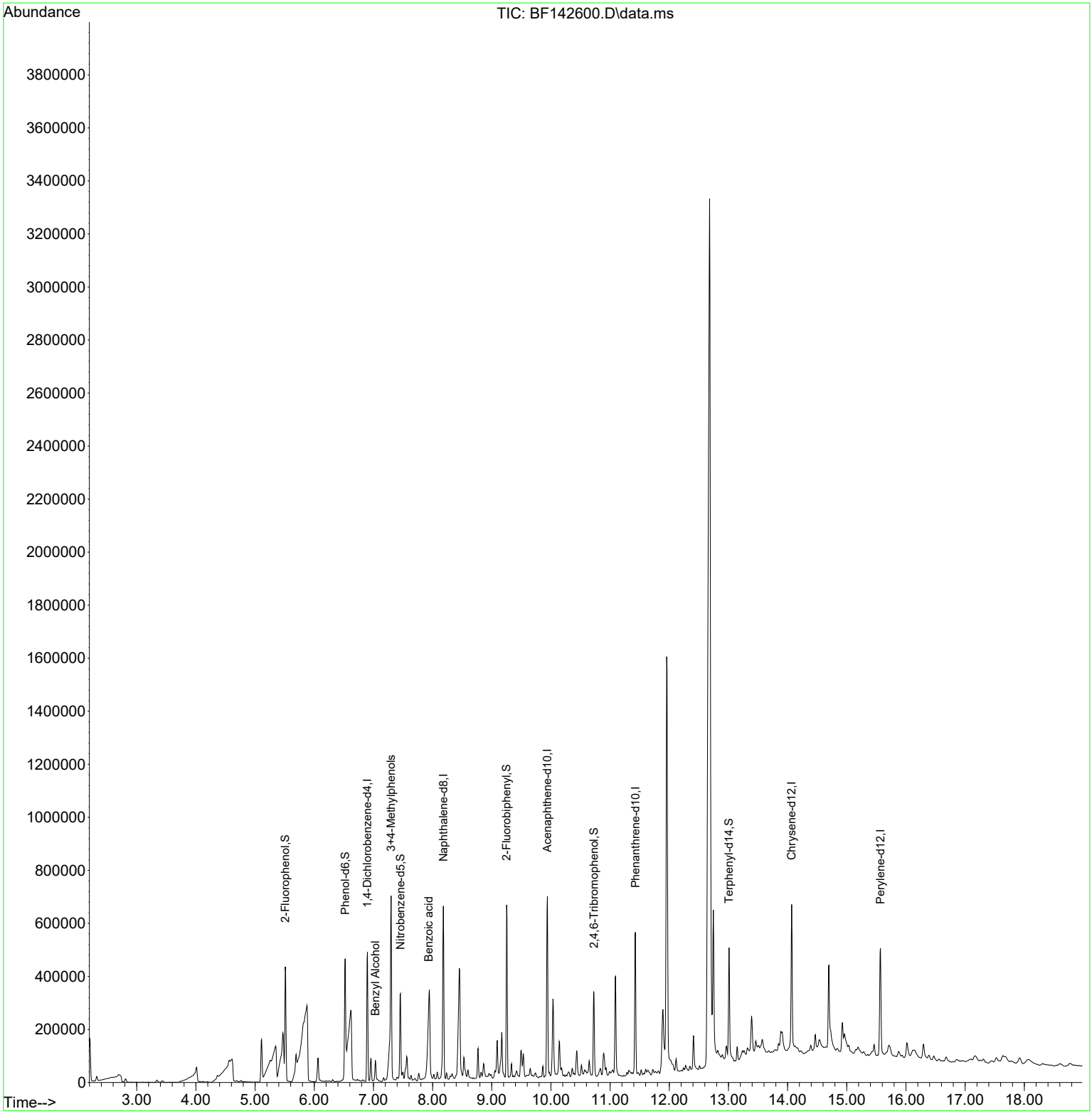
(#) = qualifier out of range (m) = manual integration (+) = signals summed

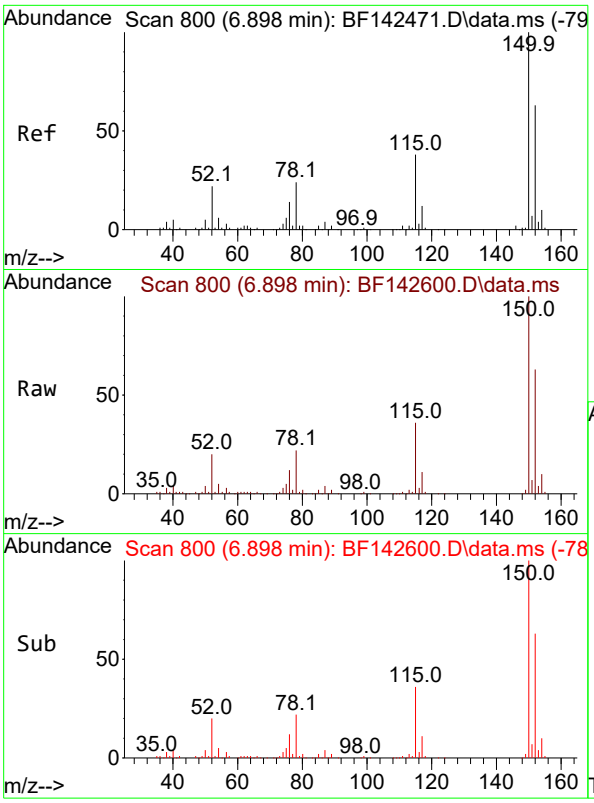
Sample Results: **BF142600.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142600.D
Acq On : 02 Jun 2025 17:11
Operator : RC/JU
Sample : Q2149-01DL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKEDL

Quant Time: Jun 02 19:03:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



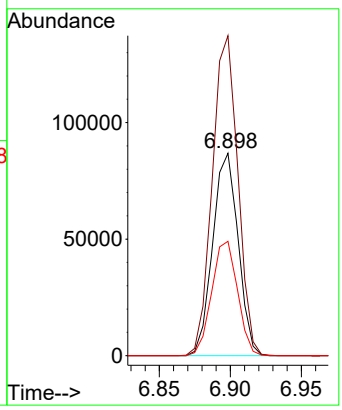


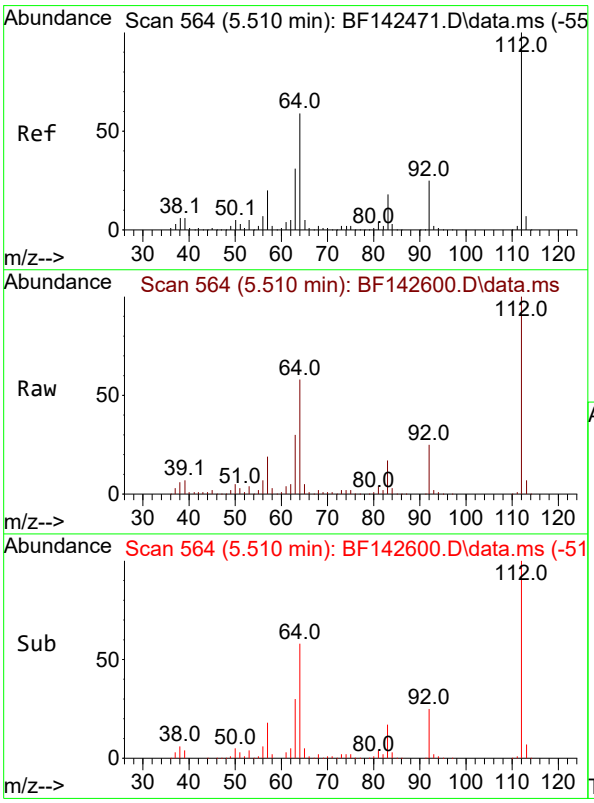
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142600.D
Acq: 02 Jun 2025 17:11

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKEDL

Tgt Ion:152 Resp: 108020

Ion	Ratio	Lower	Upper
152	100		
150	158.1	128.2	192.4
115	56.6	48.3	72.5

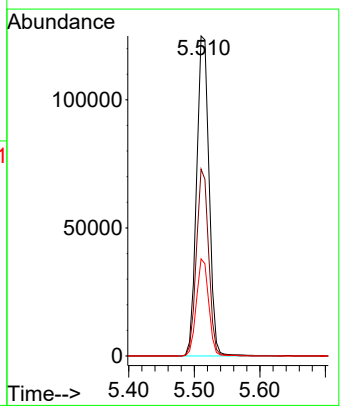


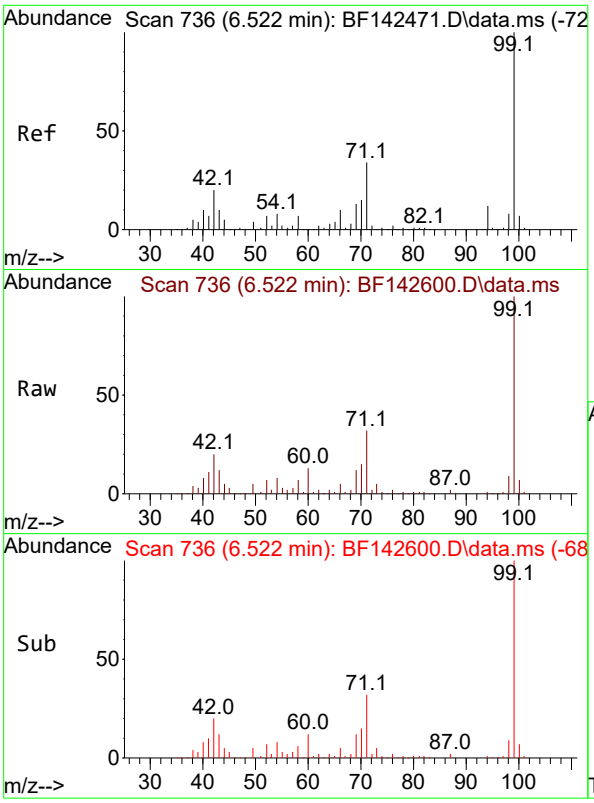


#5
2-Fluorophenol
Concen: 25.891 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142600.D
Acq: 02 Jun 2025 17:11

Tgt Ion:112 Resp: 166002

Ion	Ratio	Lower	Upper
112	100		
64	58.4	47.5	71.3
63	30.3	24.9	37.3



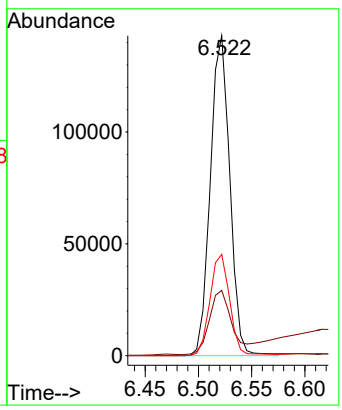


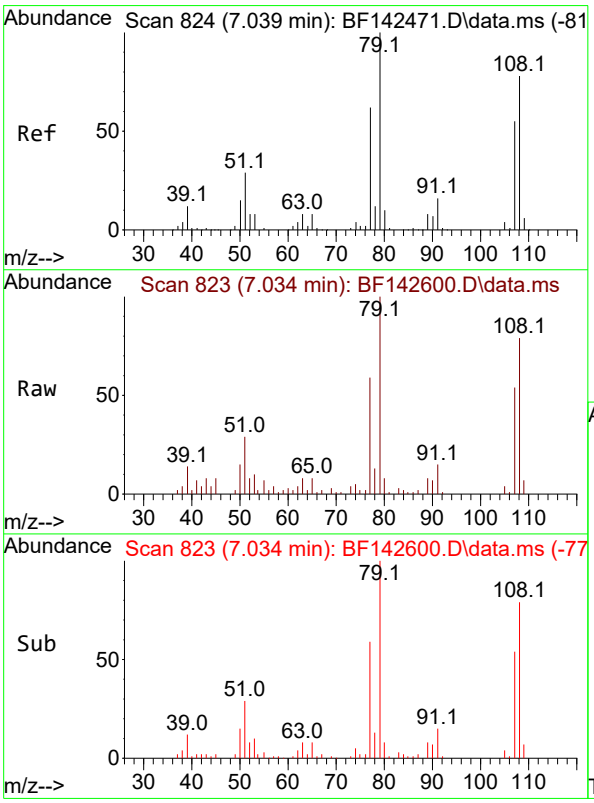
#7
Phenol-d6
Concen: 23.531 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142600.D
Acq: 02 Jun 2025 17:11

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKEDL

Tgt Ion: 99 Resp: 181610

Ion	Ratio	Lower	Upper
99	100		
42	20.4	16.2	24.2
71	31.7	27.3	40.9

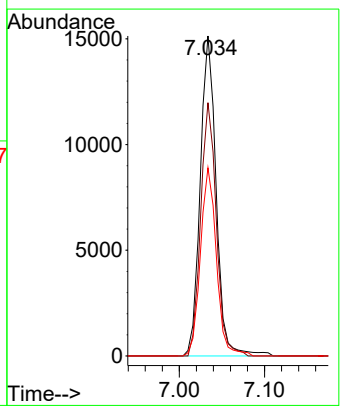


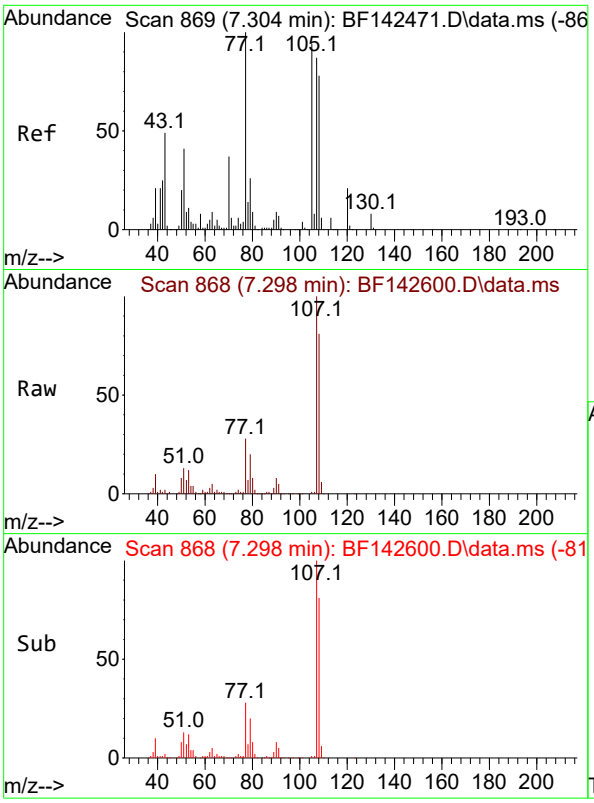


#15
Benzyl Alcohol
Concen: 3.446 ng
RT: 7.034 min Scan# 823
Delta R.T. -0.012 min
Lab File: BF142600.D
Acq: 02 Jun 2025 17:11

Tgt Ion: 79 Resp: 19655

Ion	Ratio	Lower	Upper
79	100		
108	79.1	62.1	93.1
77	58.8	49.5	74.3



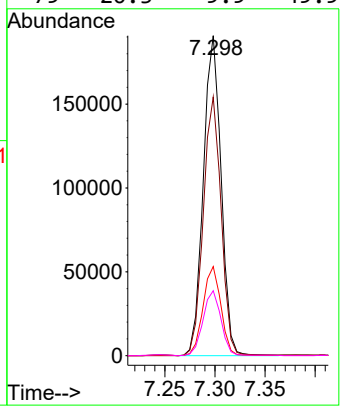


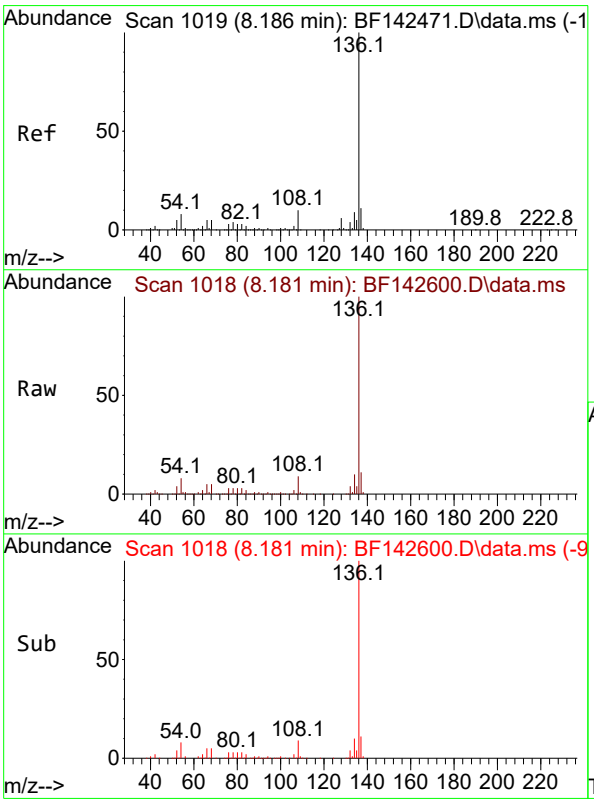
#20
3+4-Methylphenols
Concen: 33.819 ng
RT: 7.298 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142600.D
Acq: 02 Jun 2025 17:11

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKEDL

Tgt Ion:107 Resp: 236135

Ion	Ratio	Lower	Upper
107	100		
108	80.8	70.4	110.4
77	27.9	95.4	135.4#
79	20.3	9.9	49.9

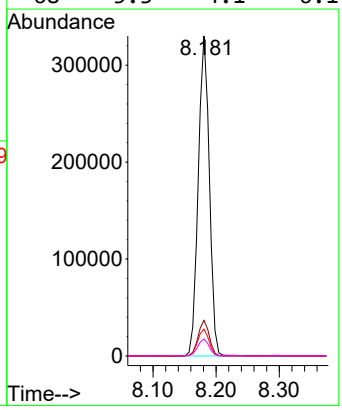


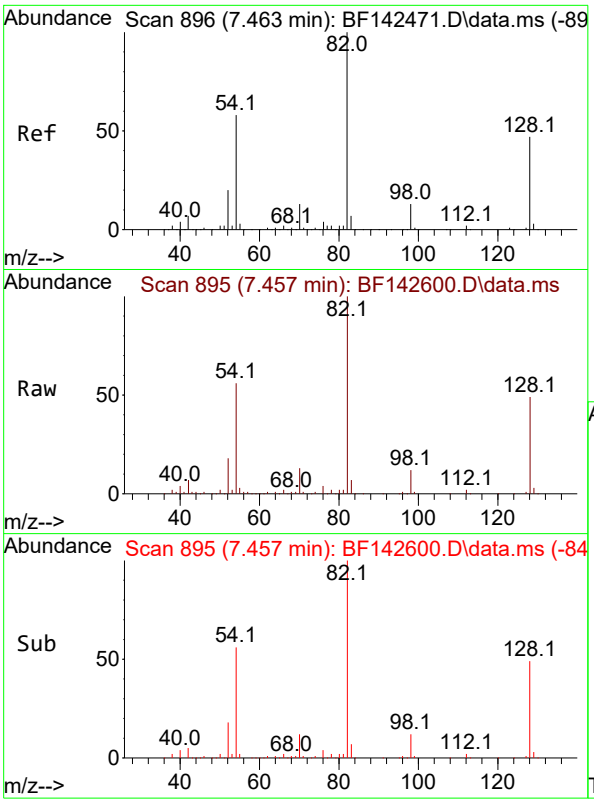


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142600.D
Acq: 02 Jun 2025 17:11

Tgt Ion:136 Resp: 403340

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	8.4	6.6	10.0
68	5.3	4.1	6.1



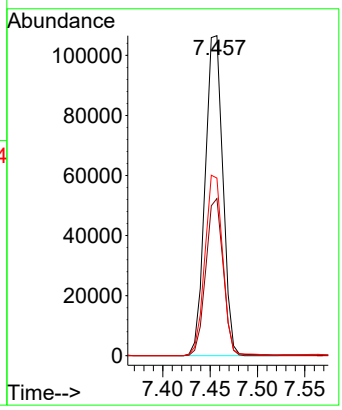


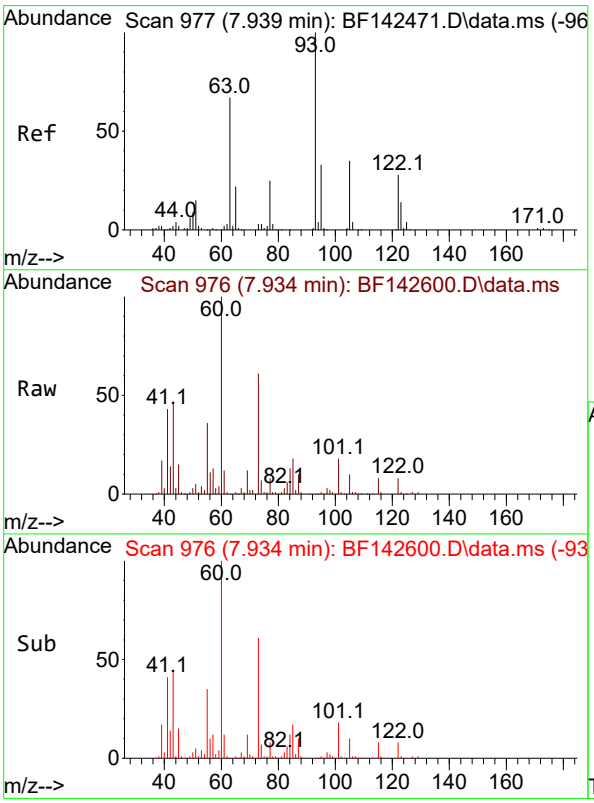
#23
Nitrobenzene-d5
Concen: 18.774 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142600.D
Acq: 02 Jun 2025 17:11

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKEDL

Tgt Ion: 82 Resp: 138869

Ion	Ratio	Lower	Upper
82	100		
128	49.1	37.4	56.2
54	55.5	46.6	70.0

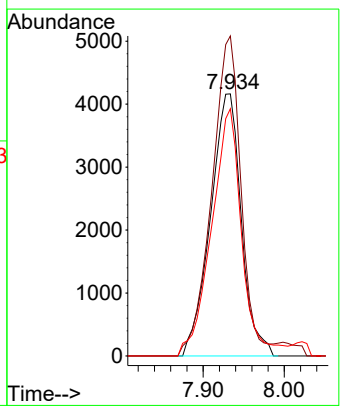


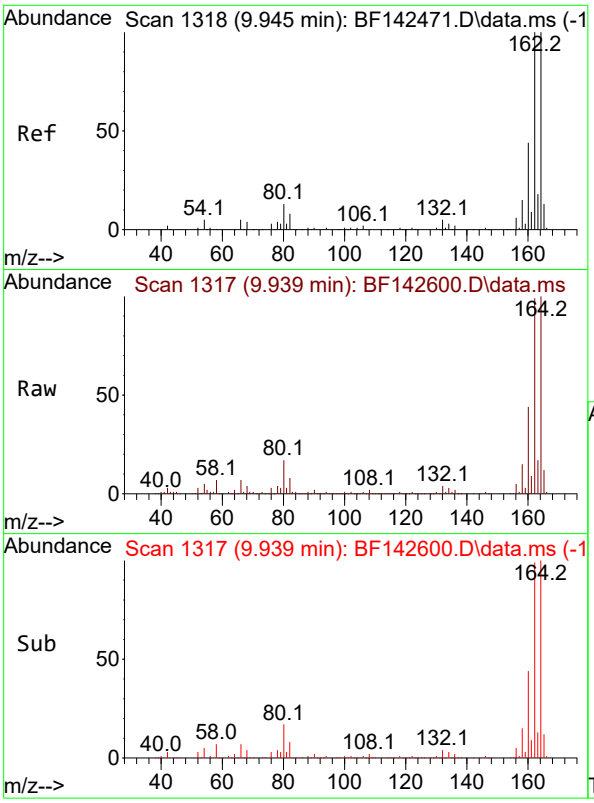


#32
Benzoic acid
Concen: 2.867 ng
RT: 7.934 min Scan# 976
Delta R.T. -0.041 min
Lab File: BF142600.D
Acq: 02 Jun 2025 17:11

Tgt Ion:122 Resp: 10971

Ion	Ratio	Lower	Upper
122	100		
105	122.1	101.7	141.7
77	94.3	69.5	109.5



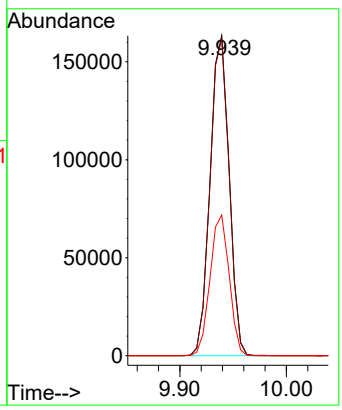


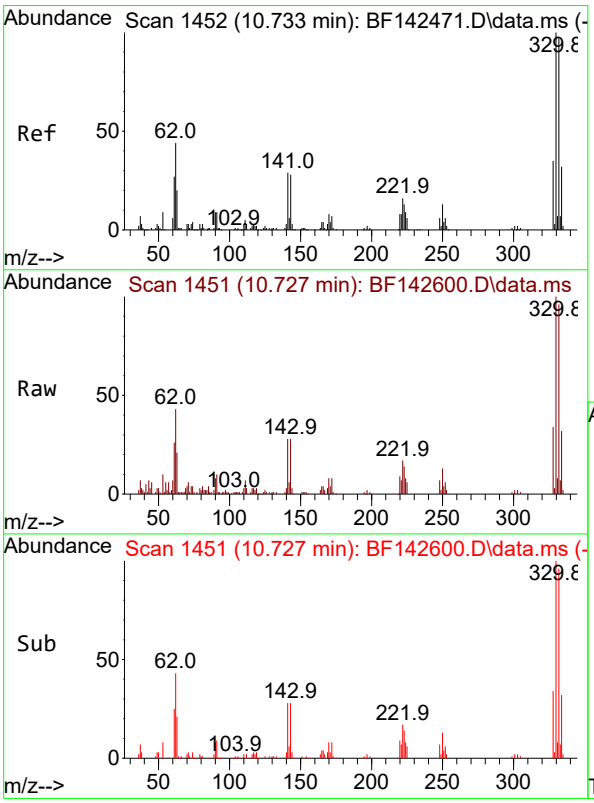
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142600.D
Acq: 02 Jun 2025 17:11

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKEDL

Tgt Ion:164 Resp: 202770

Ion	Ratio	Lower	Upper
164	100		
162	99.0	80.2	120.4
160	44.0	35.6	53.4

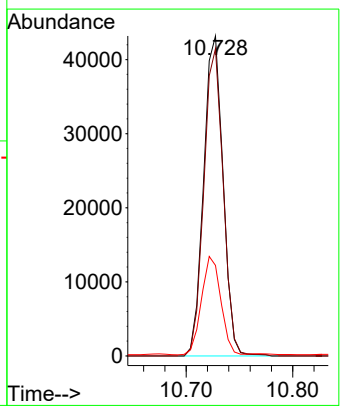


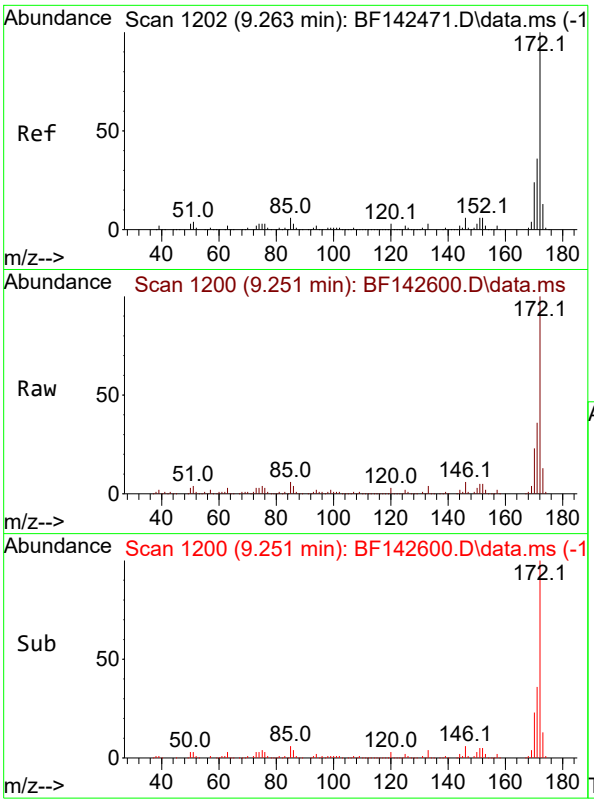


#42
2,4,6-Tribromophenol
Concen: 24.314 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF142600.D
Acq: 02 Jun 2025 17:11

Tgt Ion:330 Resp: 54718

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.6	116.4
141	30.8	24.6	36.8



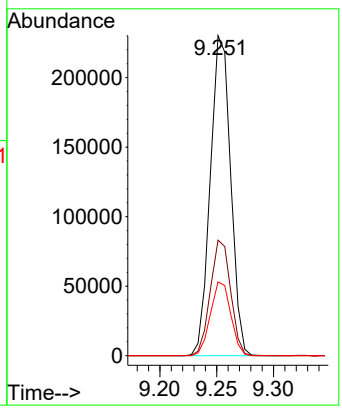


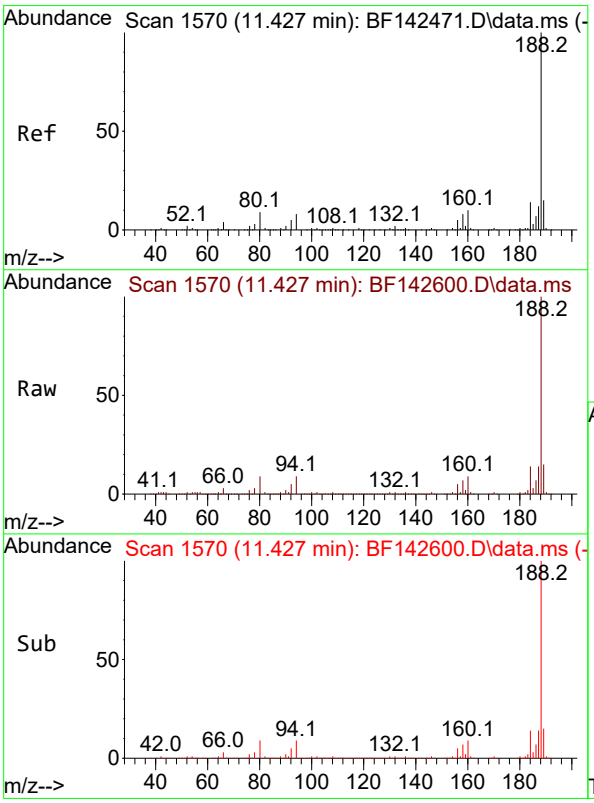
#45
2-Fluorobiphenyl
Concen: 19.002 ng
RT: 9.251 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF142600.D
Acq: 02 Jun 2025 17:11

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKEDL

Tgt Ion:172 Resp: 287136

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	42.8
170	23.1	18.9	28.3

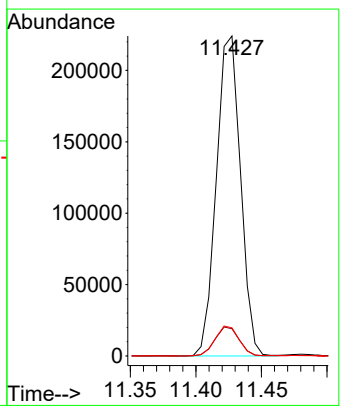


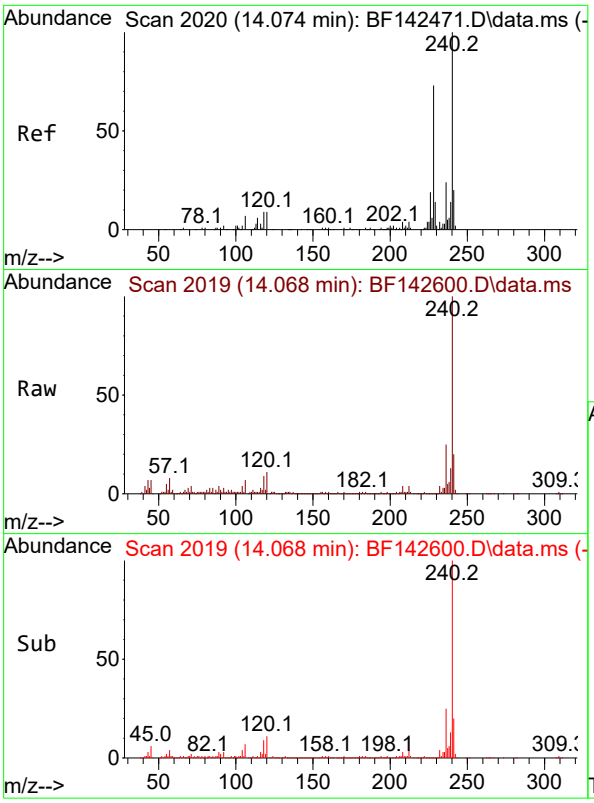


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142600.D
Acq: 02 Jun 2025 17:11

Tgt Ion:188 Resp: 287091

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	8.8	7.4	11.0



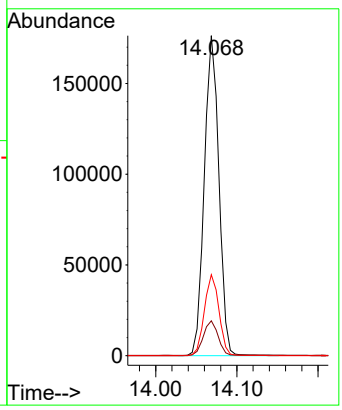


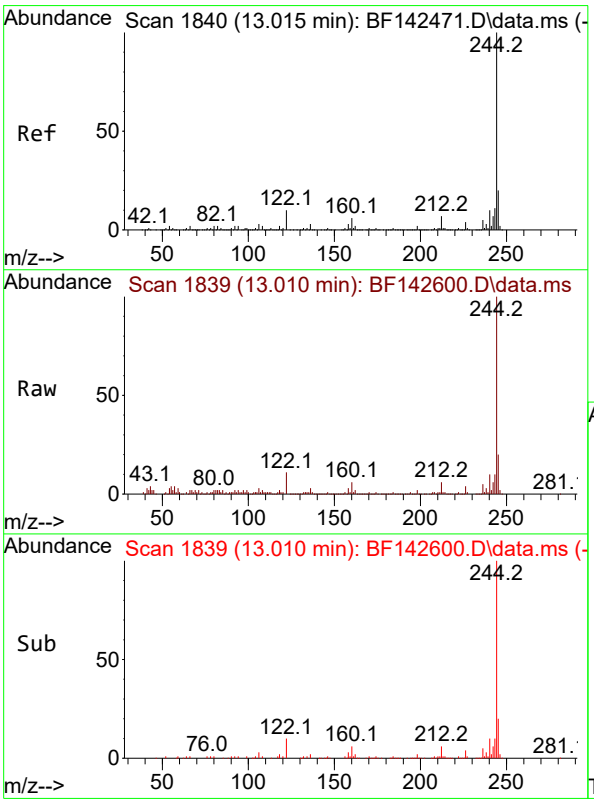
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142600.D
Acq: 02 Jun 2025 17:11

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKEDL

Tgt Ion:240 Resp: 219560

Ion	Ratio	Lower	Upper
240	100		
120	10.9	7.5	11.3
236	25.3	19.6	29.4

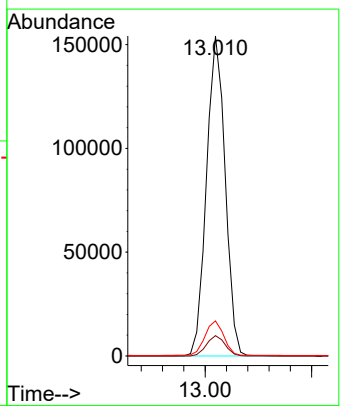


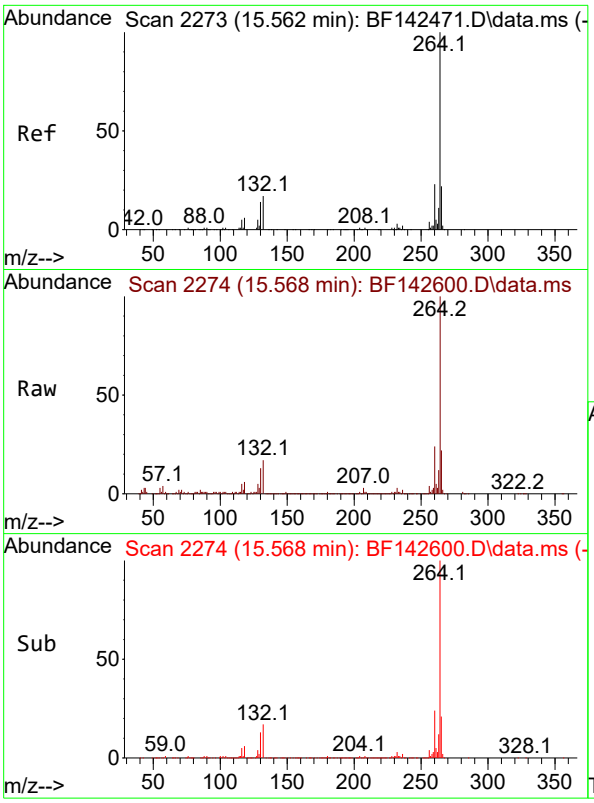


#79
Terphenyl-d14
Concen: 11.706 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142600.D
Acq: 02 Jun 2025 17:11

Tgt Ion:244 Resp: 188080

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.3	7.9
122	10.9	8.2	12.2



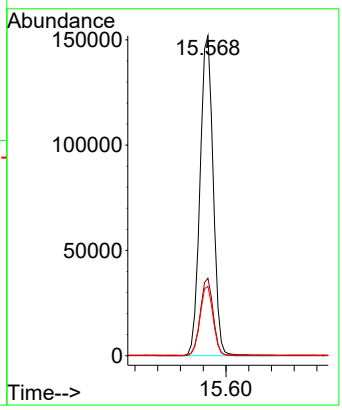


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142600.D
Acq: 02 Jun 2025 17:11

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKEDL

Tgt Ion:264 Resp: 244032

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	28.0
265	21.7	17.7	26.5



CALIBRATION SUMMARY

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ARAM01

Lab Code: CHEM Case No.: Q2149 SAS No.: Q2149 SDG No.: Q2149

Instrument ID: BNA_F Calibration Date(s): 05/20/2025 05/20/2025

Calibration Time(s): 12:10 15:31

LAB FILE ID: RRF2.5 = BF142467.D RRF005 = BF142468.D RRF010 = BF142469.D
RRF020 = BF142470.D RRF040 = BF142471.D RRF050 = BF142472.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Pyridine		1.237	1.150	1.212	1.170	1.273	1.210	3.5
2-Fluorophenol		1.264	1.214	1.225	1.125	1.220	1.187	5.0
Phenol-d6		1.530	1.449	1.459	1.367	1.467	1.429	4.8
1,4-Dichlorobenzene		1.540	1.476	1.491	1.407	1.495	1.453	4.7
2-Methylphenol		1.040	0.992	1.026	0.976	1.053	1.010	3.3
3+4-Methylphenols		1.412	1.319	1.337	1.246	1.337	1.293	6.6
Nitrobenzene-d5		0.376	0.365	0.379	0.356	0.382	0.367	3.5
Hexachloroethane		0.533	0.503	0.523	0.489	0.529	0.507	4.2
Nitrobenzene		0.338	0.328	0.338	0.323	0.343	0.331	2.9
Hexachlorobutadiene		0.203	0.192	0.197	0.187	0.198	0.192	4.5
2,4,6-Trichlorophenol		0.387	0.373	0.406	0.371	0.406	0.387	3.7
2-Fluorobiphenyl		1.726	1.619	1.558	1.387	1.480	1.490	10.5
2,4,5-Trichlorophenol		0.410	0.411	0.416	0.395	0.437	0.408	4.3
2,4-Dinitrotoluene		0.372	0.367	0.387	0.364	0.398	0.372	4.6
2,4,6-Tribromophenol		0.230	0.225	0.234	0.211	0.233	0.222	5.4
Hexachlorobenzene		0.265	0.267	0.263	0.251	0.273	0.262	3.2
Pentachlorophenol		0.130	0.135	0.149	0.147	0.162	0.148	7.9
Terphenyl-d14		1.624	1.582	1.660	1.423	1.492	1.464	12.8

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 20 16:26:47 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF142467.D 5 =BF142468.D 10 =BF142469.D 20 =BF142470.D 40 =BF142471.D 50 =BF142472.D 60 =BF142473.D 80 =BF1424
74.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.493	0.460	0.474	0.458	0.500	0.486	0.456	0.475	3.79
3)		Pyridine		1.237	1.150	1.212	1.170	1.273	1.234	1.190	1.210	3.52
4)		n-Nitrosodimet...		0.612	0.593	0.627	0.619	0.673	0.652	0.621	0.628	4.21
5)	S	2-Fluorophenol		1.264	1.214	1.225	1.125	1.220	1.164	1.098	1.187	5.03
6)		Aniline		2.044	1.889	1.963	1.844	1.993	1.910	1.808	1.921	4.35
7)	S	Phenol-d6		1.530	1.449	1.459	1.367	1.467	1.403	1.328	1.429	4.77
8)		2-Chlorophenol		1.345	1.293	1.315	1.252	1.338	1.285	1.223	1.293	3.44
9)		Benzaldehyde		1.035	0.975	0.969	0.817	0.872	0.758	0.591	0.859	17.81
10)	C	Phenol		1.716	1.621	1.646	1.530	1.657	1.597	1.487	1.608	4.85
11)		bis(2-Chloroet...		1.202	1.155	1.168	1.108	1.209	1.156	1.105	1.157	3.52
12)		1,3-Dichlorobe...		1.562	1.470	1.473	1.389	1.482	1.407	1.317	1.443	5.48
13)	C	1,4-Dichlorobe...		1.540	1.476	1.491	1.407	1.495	1.430	1.335	1.453	4.70
14)		1,2-Dichlorobe...		1.495	1.405	1.436	1.327	1.432	1.357	1.284	1.391	5.20
15)		Benzyl Alcohol		1.059	1.024	1.058	1.021	1.131	1.073	1.026	1.056	3.69
16)		2,2'-oxybis(1-...		2.082	1.978	1.983	1.868	2.011	1.898	1.786	1.944	5.11
17)		2-Methylphenol		1.040	0.992	1.026	0.976	1.053	1.015	0.965	1.010	3.27
18)		Hexachloroethane		0.533	0.503	0.523	0.489	0.529	0.497	0.477	0.507	4.23
19)	P	n-Nitroso-di-n...	0.923	0.941	0.880	0.900	0.843	0.912	0.866	0.819	0.886	4.69
20)		3+4-Methylphenols		1.412	1.319	1.337	1.246	1.337	1.250	1.149	1.293	6.59
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.480	0.453	0.459	0.429	0.452	0.428	0.399	0.443	5.98
23)	S	Nitrobenzene-d5		0.376	0.365	0.379	0.356	0.382	0.363	0.347	0.367	3.51
24)		Nitrobenzene		0.338	0.328	0.338	0.323	0.343	0.331	0.316	0.331	2.94
25)		Isophorone		0.636	0.615	0.620	0.593	0.638	0.607	0.585	0.613	3.26
26)	C	2-Nitrophenol		0.167	0.170	0.180	0.175	0.190	0.182	0.173	0.177	4.44
27)		2,4-Dimethylph...		0.315	0.315	0.318	0.303	0.325	0.312	0.295	0.312	3.22
28)		bis(2-Chloroet...		0.406	0.394	0.394	0.364	0.391	0.375	0.358	0.383	4.63
29)	C	2,4-Dichloroph...		0.288	0.282	0.290	0.276	0.300	0.283	0.266	0.283	3.74
30)		1,2,4-Trichlor...		0.325	0.313	0.317	0.295	0.320	0.300	0.284	0.308	4.89
31)		Naphthalene		1.061	1.021	1.020	0.941	1.007	0.953	0.891	0.985	5.94
32)		Benzoic acid			0.153	0.176	0.188	0.211	0.209	0.201	0.190	11.73
33)		4-Chloroaniline		0.424	0.409	0.416	0.389	0.415	0.397	0.343	0.399	6.87
34)	C	Hexachlorobuta...		0.203	0.192	0.197	0.187	0.198	0.192	0.176	0.192	4.52
35)		Caprolactam		0.081	0.076	0.083	0.079	0.085	0.078	0.076	0.080	4.29
36)	C	4-Chloro-3-met...		0.304	0.290	0.299	0.282	0.301	0.287	0.271	0.291	4.02
37)		2-Methylnaphth...		0.679	0.638	0.646	0.590	0.631	0.598	0.556	0.620	6.62
38)		1-Methylnaphth...		0.703	0.668	0.672	0.615	0.650	0.611	0.566	0.641	7.19

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF052025.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.592	0.580	0.588	0.552	0.592	0.573	0.544	0.574	3.39
41)	P	Hexachlorocycl...	0.318	0.350	0.383	0.393	0.430	0.425	0.411	0.387	10.57
42)	S	2,4,6-Tribromo...	0.230	0.225	0.234	0.211	0.233	0.218	0.202	0.222	5.39
43)	C	2,4,6-Trichlor...	0.387	0.373	0.406	0.371	0.406	0.388	0.379	0.387	3.69
44)		2,4,5-Trichlor...	0.410	0.411	0.416	0.395	0.437	0.408	0.381	0.408	4.27
45)	S	2-Fluorobiphenyl	1.726	1.619	1.558	1.387	1.480	1.396	1.268	1.490	10.46
46)		1,1'-Biphenyl	1.672	1.605	1.595	1.480	1.595	1.507	1.408	1.552	5.82
47)		2-Chloronaphth...	1.218	1.170	1.177	1.094	1.183	1.122	1.061	1.146	4.84
48)		2-Nitroaniline	0.333	0.318	0.338	0.324	0.354	0.332	0.320	0.331	3.72
49)		Acenaphthylene	2.064	1.982	2.027	1.851	1.998	1.885	1.745	1.936	5.85
50)		Dimethylphthalate	1.441	1.340	1.367	1.255	1.366	1.256	1.211	1.320	6.16
51)		2,6-Dinitrotol...	0.290	0.283	0.289	0.280	0.302	0.281	0.268	0.285	3.74
52)	C	Acenaphthene	1.259	1.222	1.227	1.120	1.223	1.146	1.077	1.182	5.72
53)		3-Nitroaniline	0.320	0.309	0.327	0.299	0.330	0.305	0.287	0.311	5.02
54)	P	2,4-Dinitrophenol		0.110	0.137	0.149	0.169	0.160	0.158	0.147	14.36
55)		Dibenzofuran	1.886	1.766	1.768	1.606	1.736	1.635	1.509	1.701	7.38
56)	P	4-Nitrophenol	0.221	0.217	0.242	0.227	0.252	0.229	0.220	0.230	5.57
57)		2,4-Dinitrotol...	0.372	0.367	0.387	0.364	0.398	0.372	0.344	0.372	4.62
58)		Fluorene	1.477	1.399	1.372	1.231	1.343	1.238	1.140	1.314	8.85
59)		2,3,4,6-Tetrac...	0.347	0.336	0.360	0.333	0.361	0.333	0.317	0.341	4.71
60)		Diethylphthalate	1.422	1.310	1.359	1.231	1.343	1.218	1.140	1.289	7.51
61)		4-Chlorophenyl...	0.724	0.678	0.676	0.609	0.653	0.612	0.566	0.646	8.25
62)		4-Nitroaniline	0.303	0.283	0.303	0.277	0.294	0.265	0.251	0.282	6.95
63)		Azobenzene	1.239	1.194	1.188	1.107	1.197	1.123	1.055	1.158	5.55
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.086	0.094	0.110	0.115	0.129	0.125	0.123	0.112	14.72
66)	c	n-Nitrosodiphe...	0.712	0.682	0.696	0.649	0.697	0.694	0.660	0.684	3.30
67)		4-Bromophenyl-...	0.240	0.235	0.239	0.222	0.246	0.243	0.230	0.236	3.45
68)		Hexachlorobenzene	0.265	0.267	0.263	0.251	0.273	0.262	0.250	0.262	3.19
69)		Atrazine	0.184	0.174	0.186	0.178	0.196	0.181	0.174	0.182	4.29
70)	C	Pentachlorophenol	0.130	0.135	0.149	0.147	0.162	0.157	0.154	0.148	7.88
71)		Phenanthrene	1.196	1.094	1.100	1.012	1.085	1.033	0.964	1.069	7.00
72)		Anthracene	1.191	1.132	1.124	1.036	1.110	1.048	0.996	1.091	6.15
73)		Carbazole	1.030	0.968	0.982	0.889	0.950	0.877	0.832	0.933	7.39
74)		Di-n-butylphth...	1.108	1.039	1.083	0.976	1.059	0.974	0.908	1.021	6.95
75)	C	Fluoranthene	1.177	1.081	1.052	0.938	0.997	0.901	0.846	0.999	11.41
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.670	0.782	0.903	0.797	0.805	0.698	0.556	0.744	15.12
78)		Pyrene	1.929	1.967	2.066	1.859	1.959	1.773	1.507	1.866	9.79
79)	S	Terphenyl-d14	1.624	1.582	1.660	1.423	1.492	1.337	1.126	1.464	12.80
80)		Butylbenzylpht...	0.462	0.453	0.525	0.526	0.575	0.550	0.517	0.516	8.54
81)		Benzo(a)anthra...	1.424	1.287	1.403	1.278	1.391	1.327	1.238	1.336	5.36
82)		3,3'-Dichlorob...	0.360	0.364	0.402	0.407	0.444	0.442	0.417	0.405	8.30
83)		Chrysene	1.222	1.204	1.193	1.145	1.255	1.223	1.158	1.200	3.20
84)		Bis(2-ethylhex...	0.510	0.548	0.618	0.673	0.765	0.778	0.727	0.660	15.91
85)	c	Di-n-octyl pht...		0.958	1.108	1.266	1.432	1.542	1.437	1.290	17.30

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF052025.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.421	1.495	1.583	1.448	1.583	1.546	1.434	1.501	4.64
88)		Benzo(b)fluora...	1.317	1.105	1.293	1.126	1.209	1.122	1.114	1.184	7.62
89)		Benzo(k)fluora...	1.191	1.166	1.032	1.042	1.178	1.128	1.023	1.109	6.68
90)	C	Benzo(a)pyrene	1.154	1.081	1.114	1.081	1.185	1.133	1.062	1.116	4.00
91)		Dibenzo(a,h)an...	1.152	1.228	1.275	1.184	1.290	1.245	1.149	1.218	4.67
92)		Benzo(g,h,i)pe...	1.154	1.220	1.270	1.180	1.299	1.245	1.158	1.218	4.64

(#) = Out of Range

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142467.D
Acq On : 20 May 2025 12:10
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: May 20 16:54:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

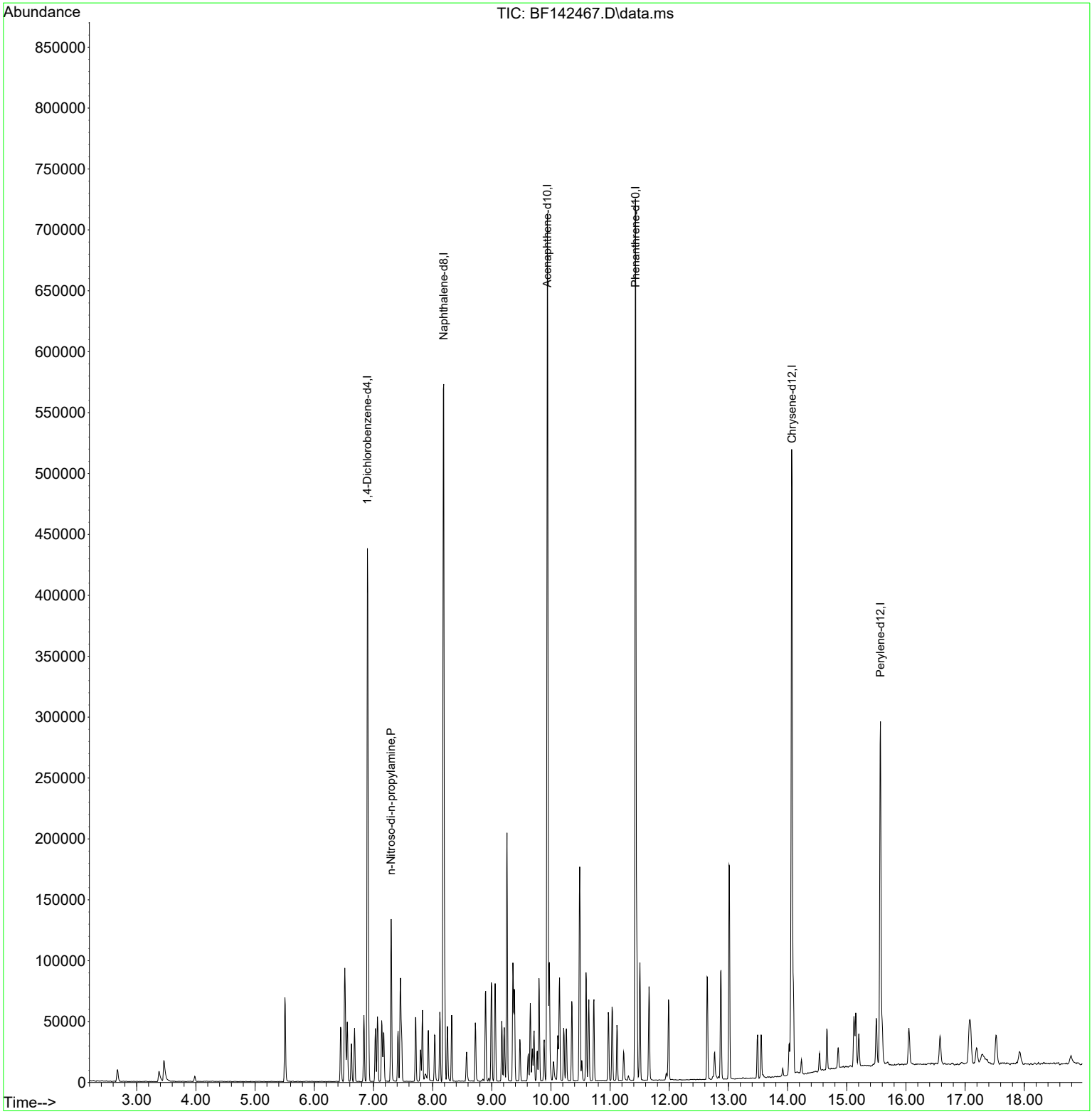
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	93808	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	371457	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	211662	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	381744	20.000	ng	0.00
76) Chrysene-d12	14.074	240	236443	20.000	ng	0.00
86) Perylene-d12	15.568	264	169046	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...	7.298	70	10828	2.607	ng	97

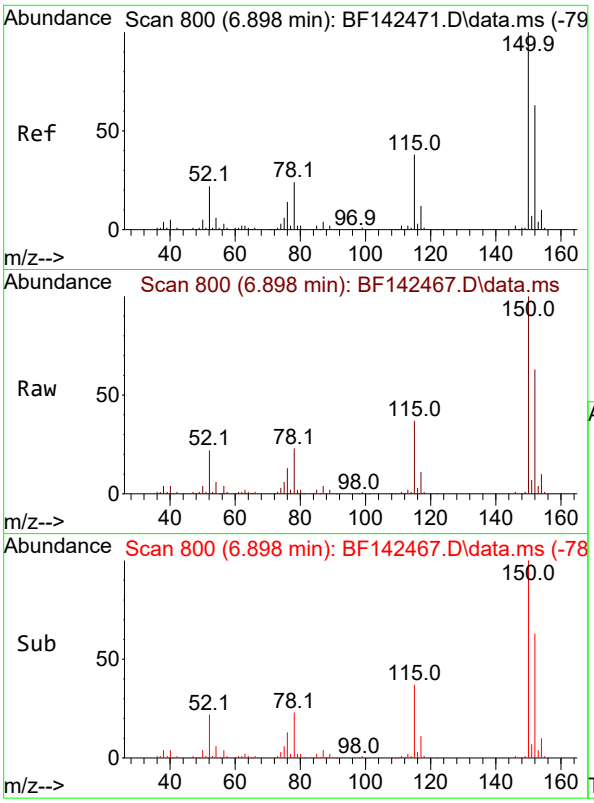
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142467.D
Acq On : 20 May 2025 12:10
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: May 20 16:54:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



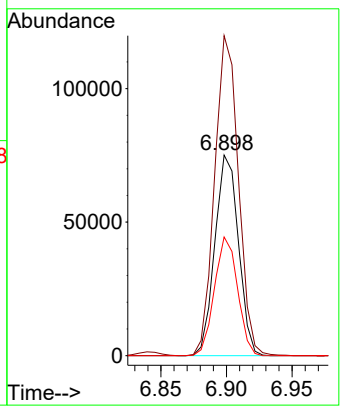


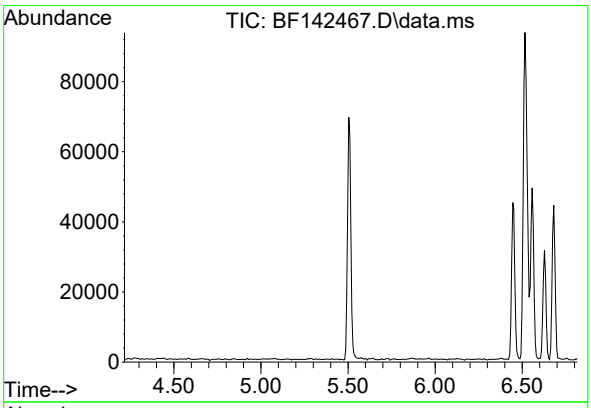
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142467.D
Acq: 20 May 2025 12:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 93808

Ion	Ratio	Lower	Upper
152	100		
150	159.5	128.2	192.4
115	59.2	48.3	72.5



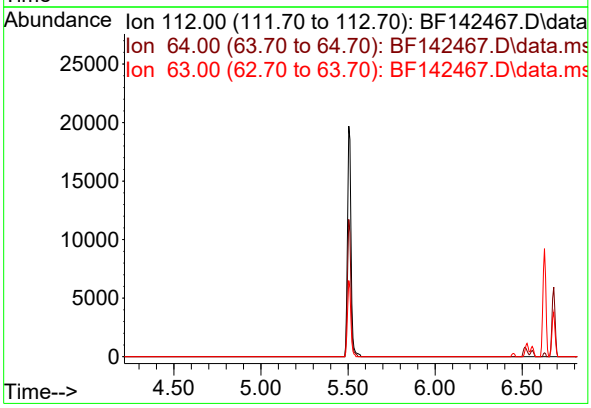


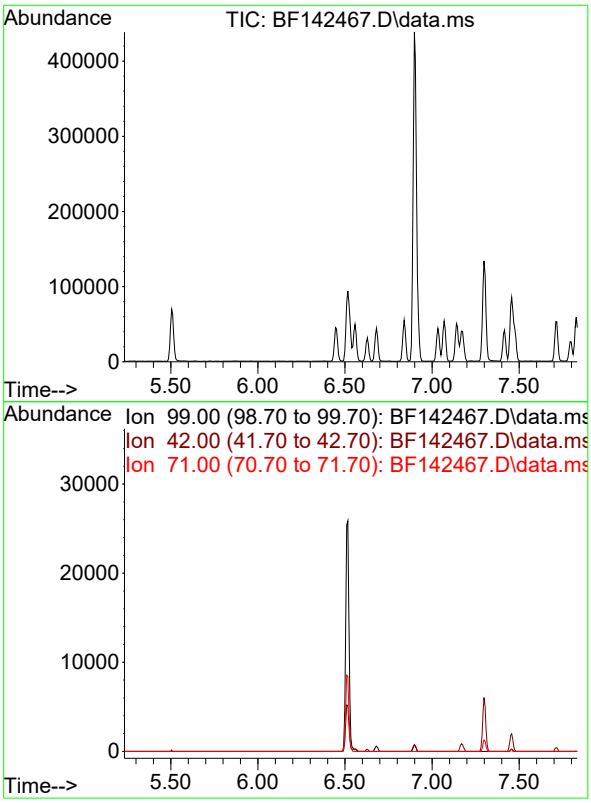
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.52 min

Lab File: BF142467.D
Acq: 20 May 2025 12:10

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	59.4
63	31.1





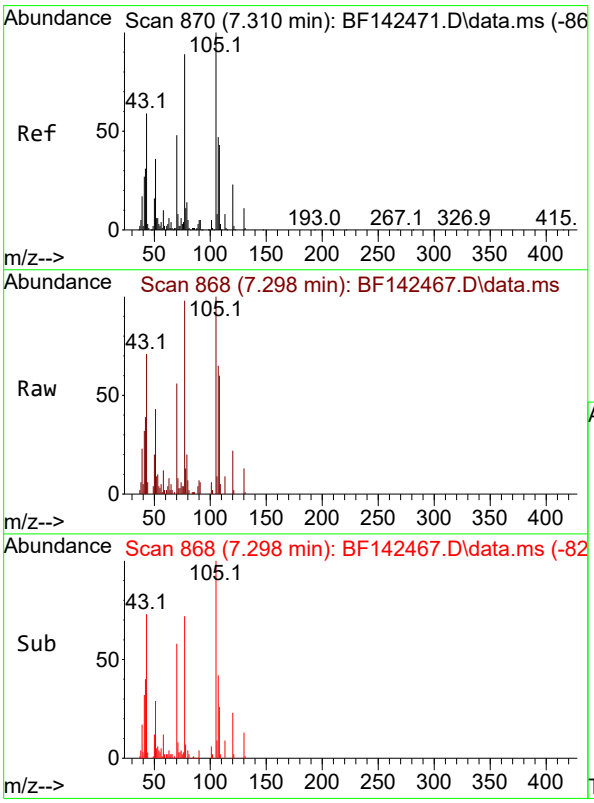
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.53 min

Lab File: BF142467.D
Acq: 20 May 2025 12:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

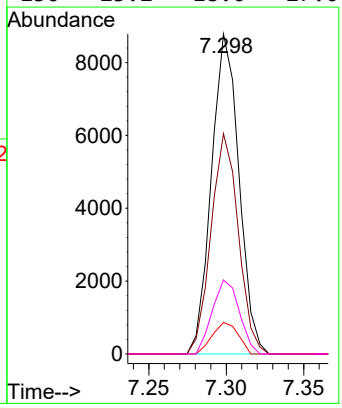
Sig	Exp Ratio
99	100
42	20.2
71	34.1

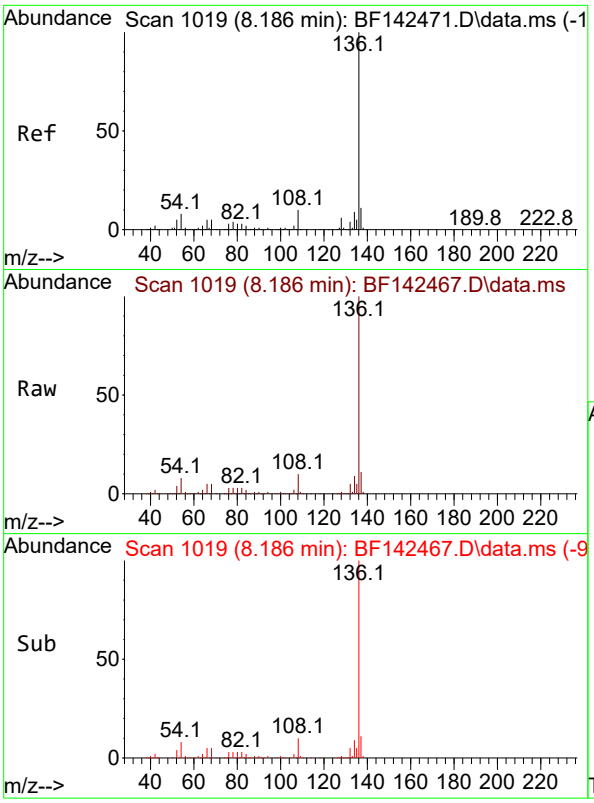


#19
n-Nitroso-di-n-propylamine
Concen: 2.607 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.029 min
Lab File: BF142467.D
Acq: 20 May 2025 12:10

Tgt Ion: 70 Resp: 10828

Ion	Ratio	Lower	Upper
70	100		
42	68.8	52.4	78.6
101	9.9	7.8	11.8
130	23.2	18.0	27.0



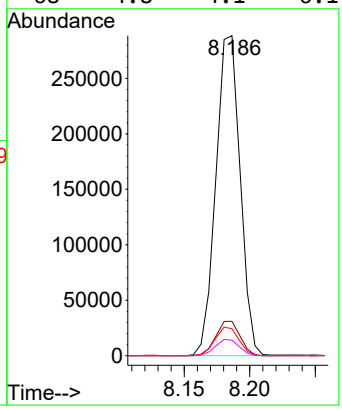


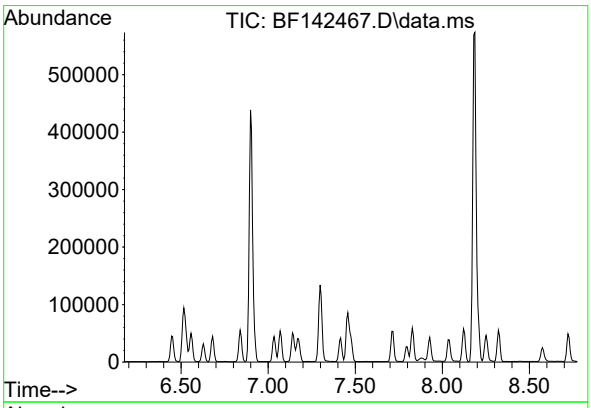
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142467.D
Acq: 20 May 2025 12:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 371457

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.4	6.6	10.0
68	4.8	4.1	6.1



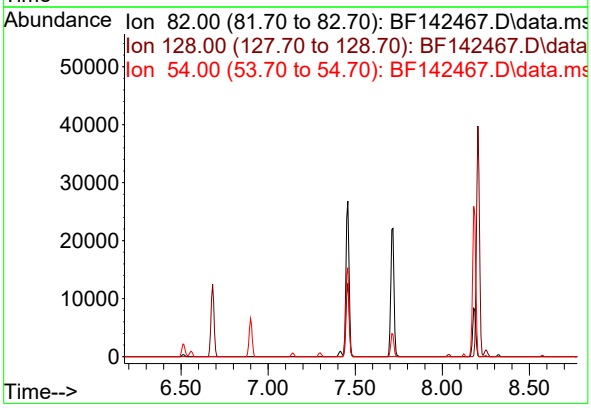


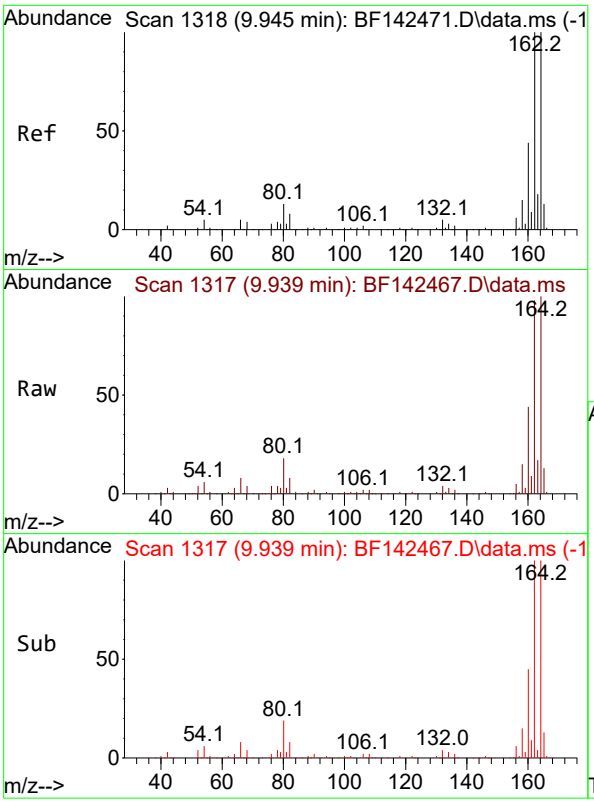
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.47 min

Lab File: BF142467.D
Acq: 20 May 2025 12:10

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	46.8
54	58.3



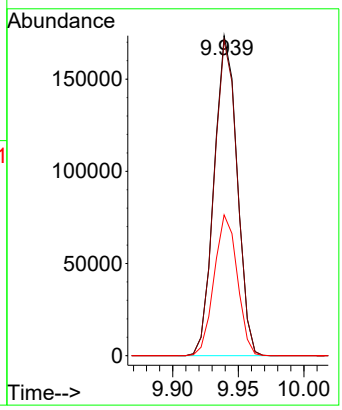


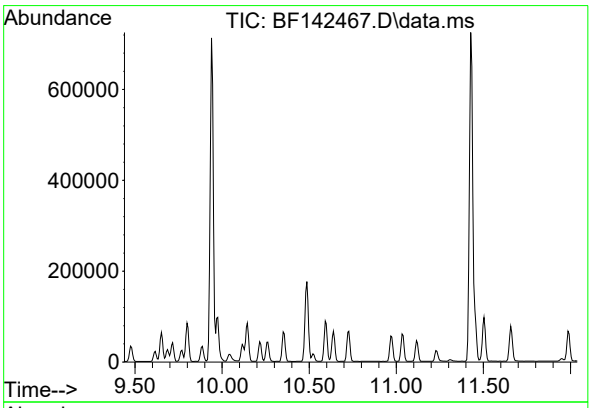
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142467.D
Acq: 20 May 2025 12:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 211662

Ion	Ratio	Lower	Upper
164	100		
162	98.5	80.2	120.4
160	44.0	35.6	53.4



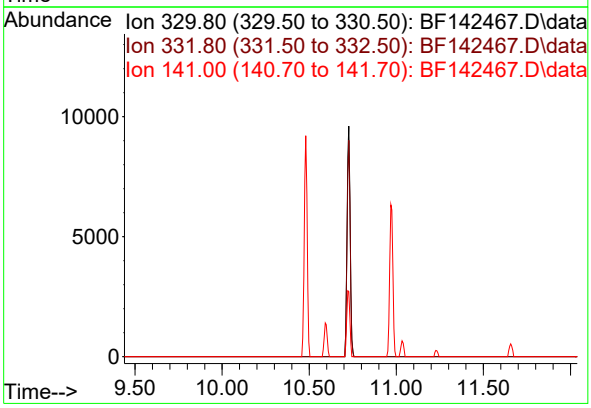


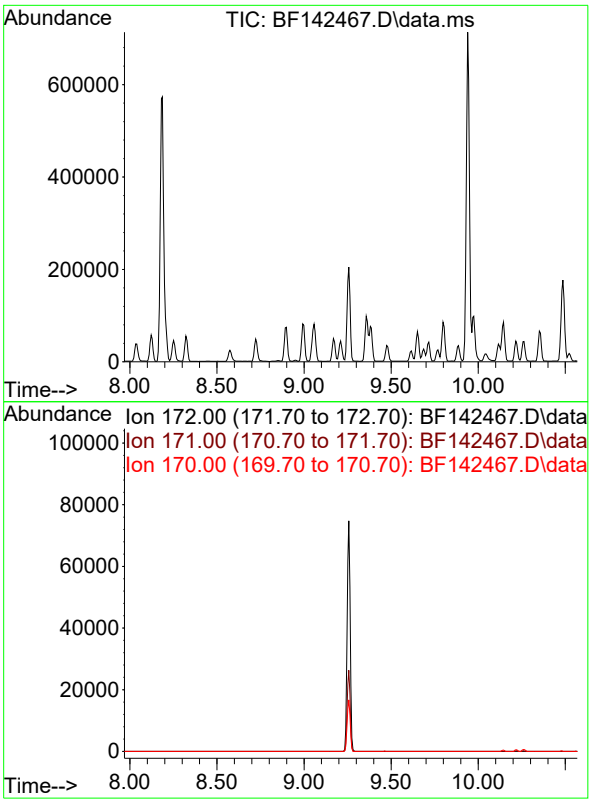
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.74 min

Lab File: BF142467.D
Acq: 20 May 2025 12:10

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.0
141	30.7





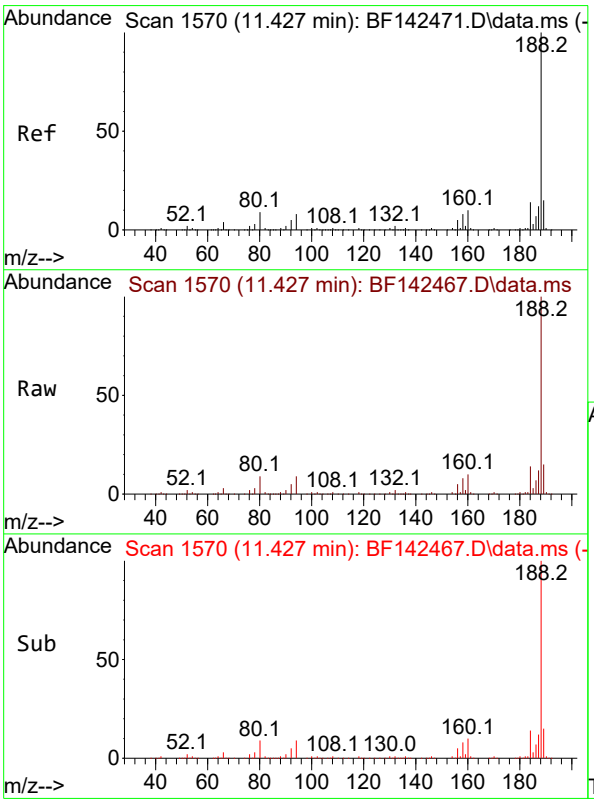
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.27 min

Lab File: BF142467.D
Acq: 20 May 2025 12:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

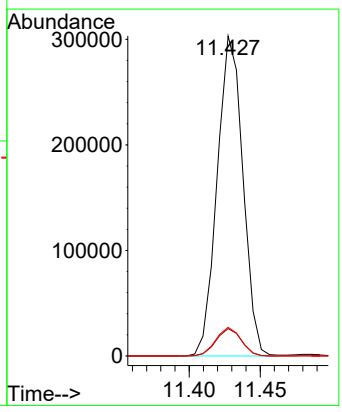
Sig	Exp Ratio
172	100
171	35.7
170	23.6

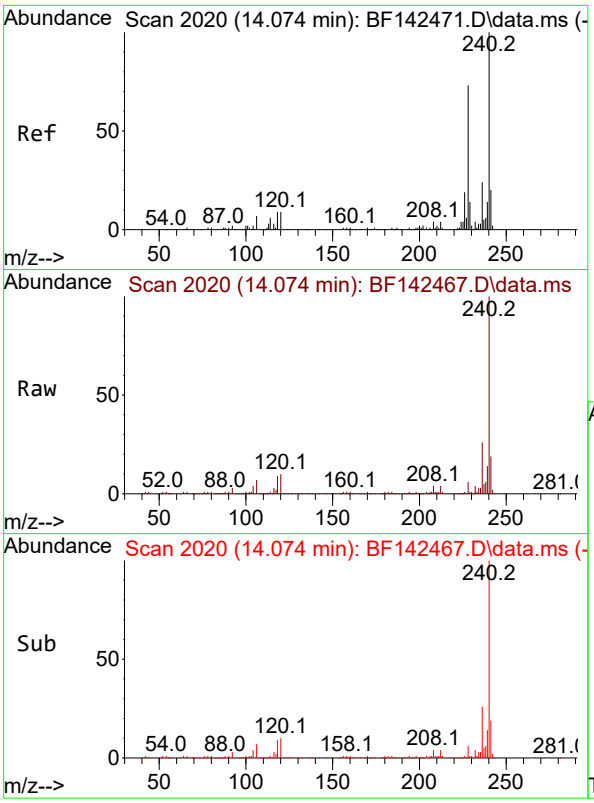


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142467.D
Acq: 20 May 2025 12:10

Tgt Ion:188 Resp: 381744

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.0	7.4	11.0



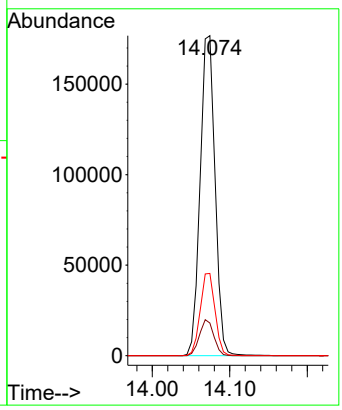


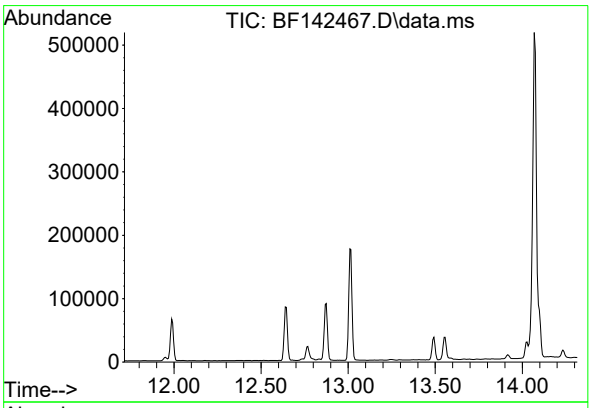
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142467.D
Acq: 20 May 2025 12:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 236443

Ion	Ratio	Lower	Upper
240	100		
120	10.2	7.5	11.3
236	25.7	19.6	29.4



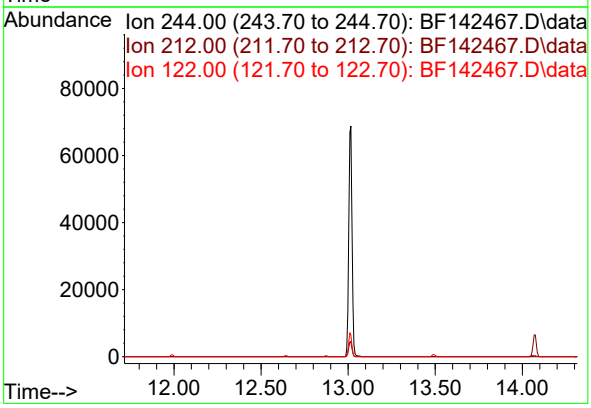


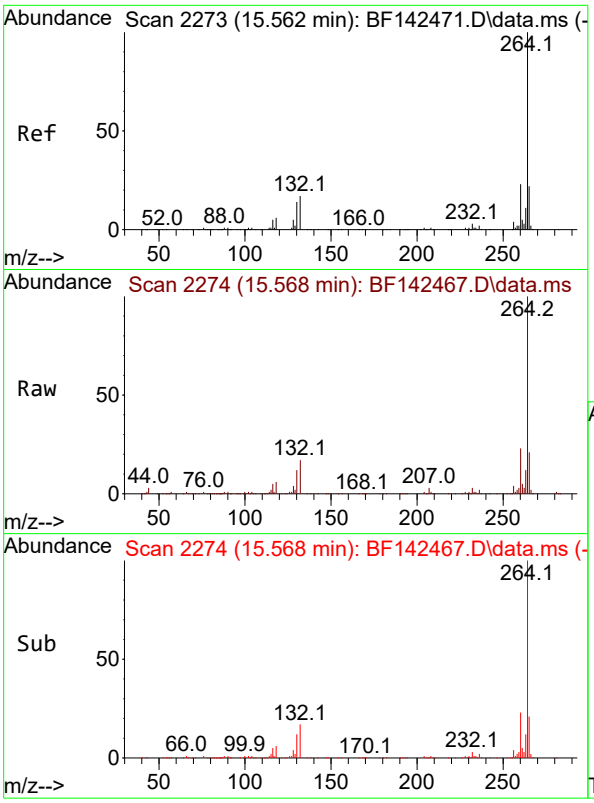
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.02 min

Lab File: BF142467.D
Acq: 20 May 2025 12:10

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.6
122	10.2



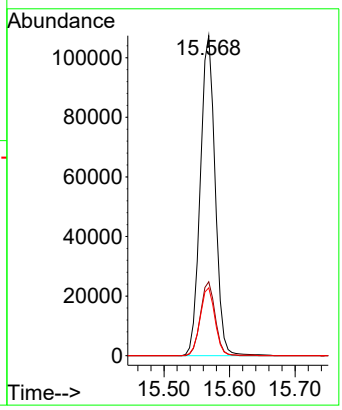


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142467.D
Acq: 20 May 2025 12:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 169046

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	21.2	17.7	26.5



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142468.D
Acq On : 20 May 2025 12:38
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: May 20 16:54:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.898	152	87254	20.000	ng		0.00
21) Naphthalene-d8	8.181	136	345154	20.000	ng		0.00
39) Acenaphthene-d10	9.939	164	197100	20.000	ng		0.00
64) Phenanthrene-d10	11.427	188	349474	20.000	ng		0.00
76) Chrysene-d12	14.074	240	218524	20.000	ng		0.00
86) Perylene-d12	15.568	264	154887	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	55140	10.647	ng		-0.01
7) Phenol-d6	6.516	99	66768	10.710	ng		-0.02
23) Nitrobenzene-d5	7.457	82	64876	10.249	ng		-0.02
42) 2,4,6-Tribromophenol	10.727	330	22702	10.378	ng		-0.01
45) 2-Fluorobiphenyl	9.257	172	170142	11.583	ng		-0.01
79) Terphenyl-d14	13.016	244	177430	11.096	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.669	88	10748	5.186	ng		97
3) Pyridine	3.451	79	26993	5.115	ng		98
4) n-Nitrosodimethylamine	3.369	42	13346	4.870	ng	#	97
6) Aniline	6.557	93	44576	5.318	ng		98
8) 2-Chlorophenol	6.681	128	29341	5.201	ng		98
9) Benzaldehyde	6.445	77	22572	6.020	ng		98
10) Phenol	6.528	94	37431	5.336	ng		97
11) bis(2-Chloroethyl)ether	6.628	93	26215	5.192	ng		98
12) 1,3-Dichlorobenzene	6.839	146	34073	5.413	ng		97
13) 1,4-Dichlorobenzene	6.916	146	33593	5.298	ng		99
14) 1,2-Dichlorobenzene	7.069	146	32604	5.374	ng		99
15) Benzyl Alcohol	7.034	79	23103	5.015	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.169	45	45414	5.355	ng		99
17) 2-Methylphenol	7.139	107	22693	5.153	ng		98
18) Hexachloroethane	7.416	117	11635	5.255	ng		99
19) n-Nitroso-di-n-propyla...	7.298	70	20527	5.313	ng		96
20) 3+4-Methylphenols	7.292	107	30797	5.460	ng	#	88
22) Acetophenone	7.304	105	41438	5.423	ng		99
24) Nitrobenzene	7.475	77	29193	5.114	ng		96
25) Isophorone	7.716	82	54838	5.182	ng		98
26) 2-Nitrophenol	7.798	139	14387	4.716	ng		99
27) 2,4-Dimethylphenol	7.828	122	27170	5.051	ng		99
28) bis(2-Chloroethoxy)met...	7.928	93	35010	5.296	ng		97
29) 2,4-Dichlorophenol	8.034	162	24812	5.072	ng		98
30) 1,2,4-Trichlorobenzene	8.122	180	28037	5.281	ng		97
31) Naphthalene	8.204	128	91563	5.388	ng		100
33) 4-Chloroaniline	8.251	127	36597	5.314	ng		98
34) Hexachlorobutadiene	8.322	225	17505	5.280	ng		99
35) Caprolactam	8.581	113	7020	5.109	ng		97
36) 4-Chloro-3-methylphenol	8.722	107	26197	5.225	ng		97
37) 2-Methylnaphthalene	8.898	142	58574	5.478	ng		99
38) 1-Methylnaphthalene	8.992	142	60674	5.486	ng		100
40) 1,2,4,5-Tetrachloroben...	9.063	216	29150	5.152	ng		99
41) Hexachlorocyclopentadiene	9.051	237	15667	4.105	ng		99
43) 2,4,6-Trichlorophenol	9.169	196	19079	5.001	ng		99
44) 2,4,5-Trichlorophenol	9.210	196	20200	5.020	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142468.D
Acq On : 20 May 2025 12:38
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: May 20 16:54:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

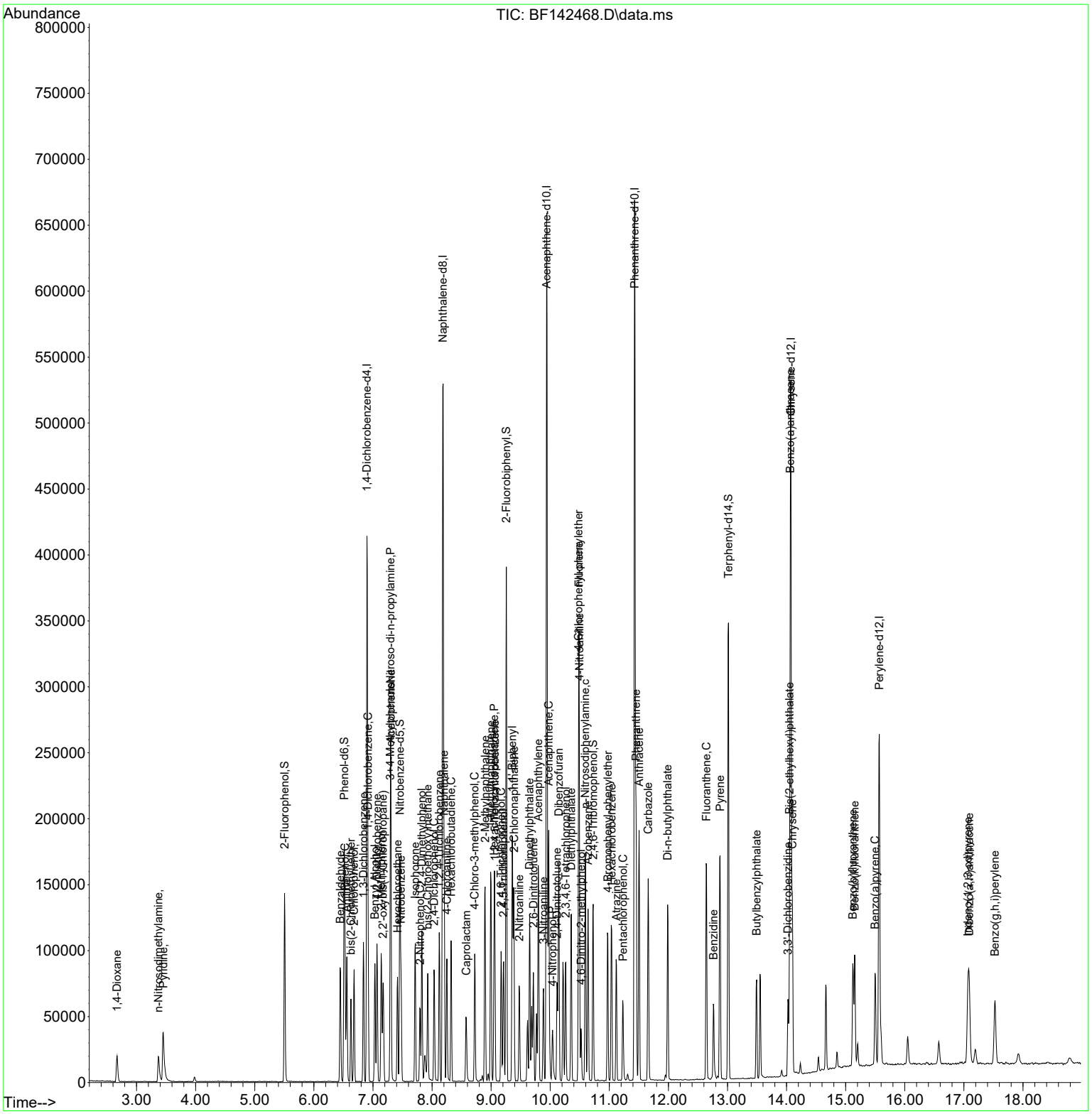
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.357	154	82376	5.387	ng	99
47) 2-Chloronaphthalene	9.386	162	60002	5.311	ng	97
48) 2-Nitroaniline	9.475	65	16399	5.022	ng	95
49) Acenaphthylene	9.798	152	101686	5.330	ng	99
50) Dimethylphthalate	9.651	163	71020	5.461	ng	99
51) 2,6-Dinitrotoluene	9.716	165	14295	5.093	ng	97
52) Acenaphthene	9.975	154	62026	5.325	ng	99
53) 3-Nitroaniline	9.886	138	15749	5.137	ng	99
55) Dibenzofuran	10.145	168	92955	5.545	ng	98
56) 4-Nitrophenol	10.039	139	10876	4.808	ng	93
57) 2,4-Dinitrotoluene	10.116	165	18322	4.998	ng	91
58) Fluorene	10.486	166	72775	5.620	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	17096	5.090	ng	98
60) Diethylphthalate	10.357	149	70046	5.515	ng	99
61) 4-Chlorophenyl-phenyle...	10.480	204	35694	5.611	ng	97
62) 4-Nitroaniline	10.492	138	14920	5.366	ng	95
63) Azobenzene	10.639	77	61041	5.351	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	7475	3.833	ng	90
66) n-Nitrosodiphenylamine	10.592	169	62215	5.204	ng	98
67) 4-Bromophenyl-phenylether	10.975	248	20974	5.076	ng	98
68) Hexachlorobenzene	11.039	284	23159	5.067	ng	100
69) Atrazine	11.122	200	16045	5.053	ng	98
70) Pentachlorophenol	11.233	266	11357	4.401	ng	96
71) Phenanthrene	11.451	178	104484	5.594	ng	100
72) Anthracene	11.504	178	104017	5.457	ng	100
73) Carbazole	11.657	167	89967	5.521	ng	99
74) Di-n-butylphthalate	11.986	149	96777	5.426	ng	99
75) Fluoranthene	12.645	202	102797	5.890	ng	99
77) Benzidine	12.763	184	36585	4.499	ng	98
78) Pyrene	12.874	202	105394	5.170	ng	99
80) Butylbenzylphthalate	13.492	149	25251	4.483	ng	96
81) Benzo(a)anthracene	14.063	228	77800	5.332	ng	100
82) 3,3'-Dichlorobenzidine	14.021	252	19673	4.445	ng	98
83) Chrysene	14.098	228	66761	5.092	ng	99
84) Bis(2-ethylhexyl)phtha...	14.051	149	27864	3.864	ng	98
87) Indeno(1,2,3-cd)pyrene	17.068	276	55034	4.733	ng	99
88) Benzo(b)fluoranthene	15.121	252	51014	5.565	ng	98
89) Benzo(k)fluoranthene	15.151	252	46114	5.371	ng	98
90) Benzo(a)pyrene	15.498	252	44694	5.172	ng	99
91) Dibenzo(a,h)anthracene	17.092	278	44618	4.731	ng	98
92) Benzo(g,h,i)perylene	17.527	276	44684	4.737	ng	97

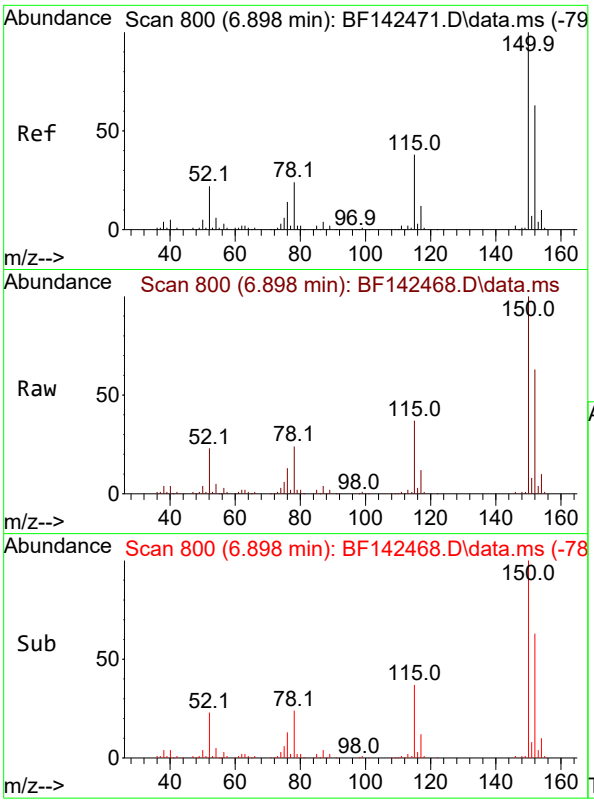
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142468.D
Acq On : 20 May 2025 12:38
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: May 20 16:54:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



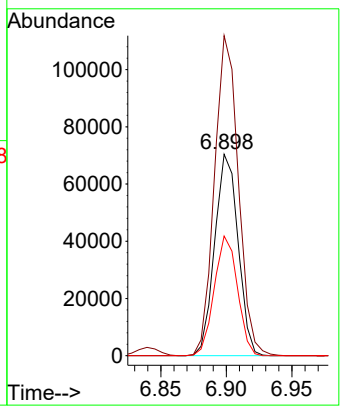


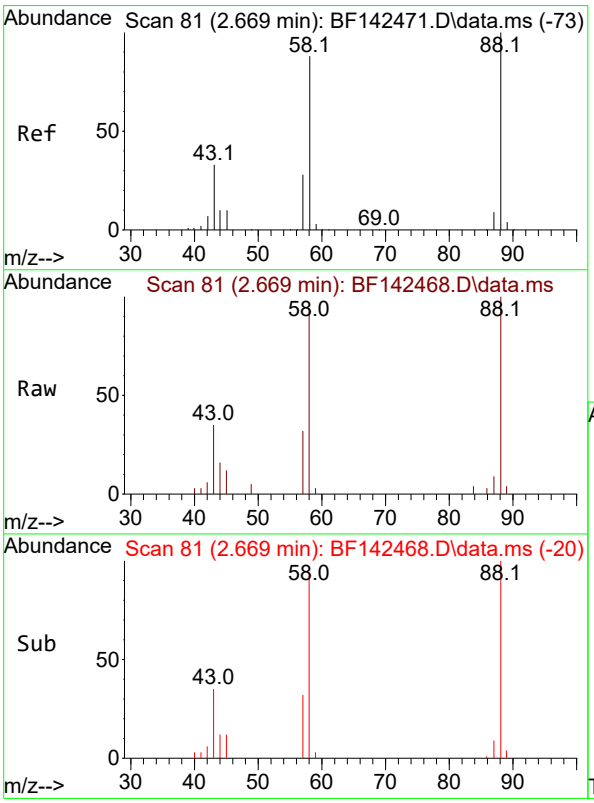
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 87254

Ion	Ratio	Lower	Upper
152	100		
150	158.8	128.2	192.4
115	59.4	48.3	72.5

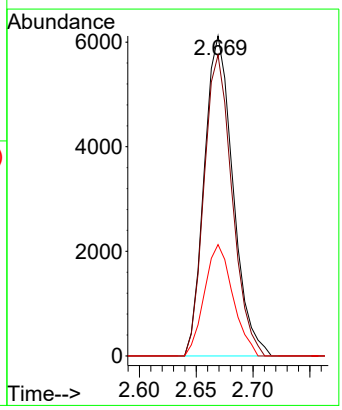


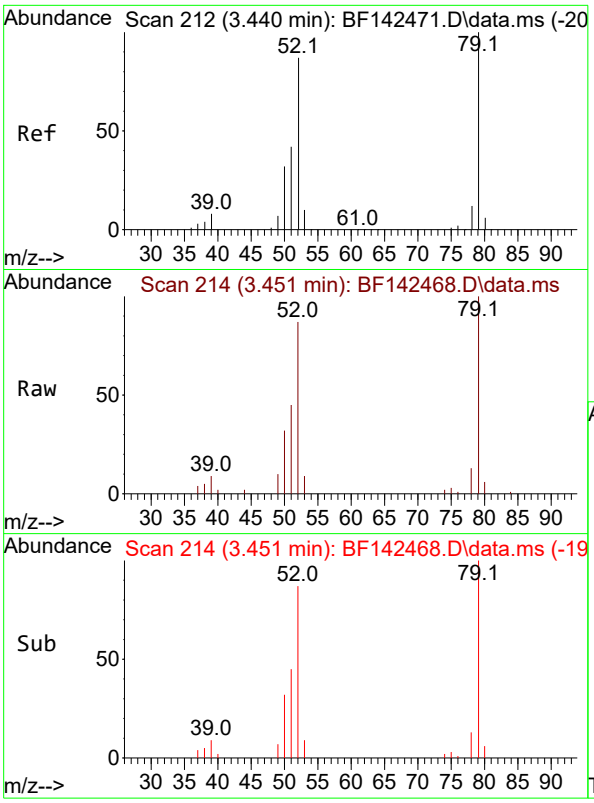


#2
1,4-Dioxane
Concen: 5.186 ng
RT: 2.669 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion: 88 Resp: 10748

Ion	Ratio	Lower	Upper
88	100		
58	91.6	70.8	106.2
43	34.5	26.6	40.0



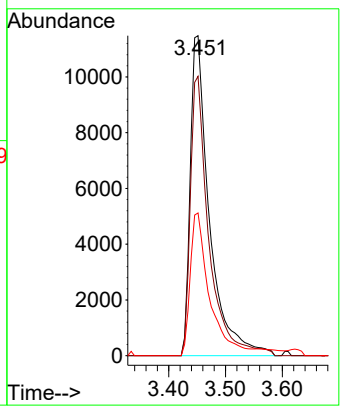


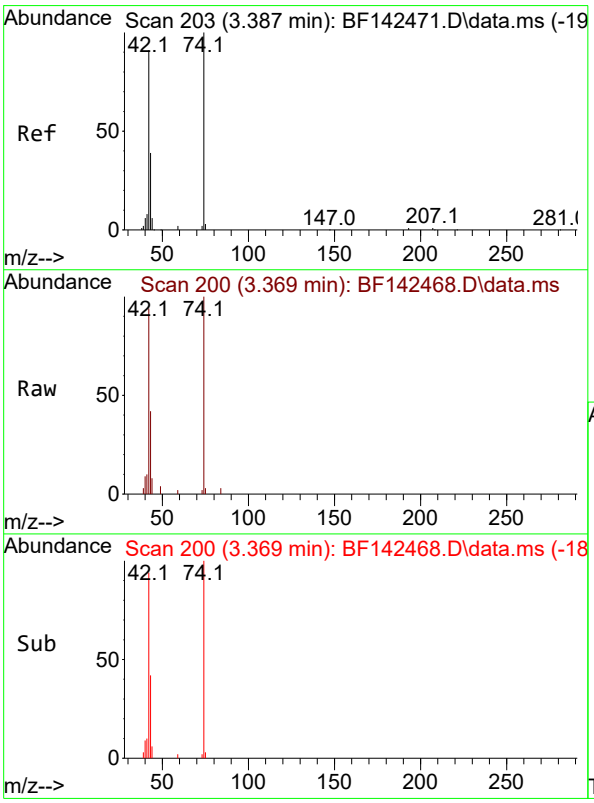
#3
Pyridine
Concen: 5.115 ng
RT: 3.451 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 26993

Ion	Ratio	Lower	Upper
79	100		
52	87.3	69.2	103.8
51	44.6	33.3	49.9

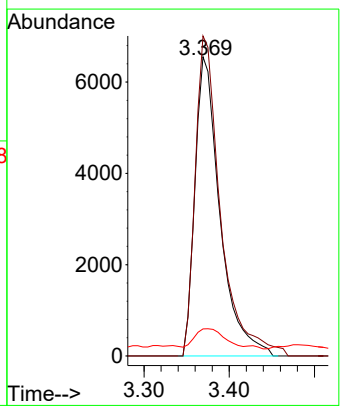


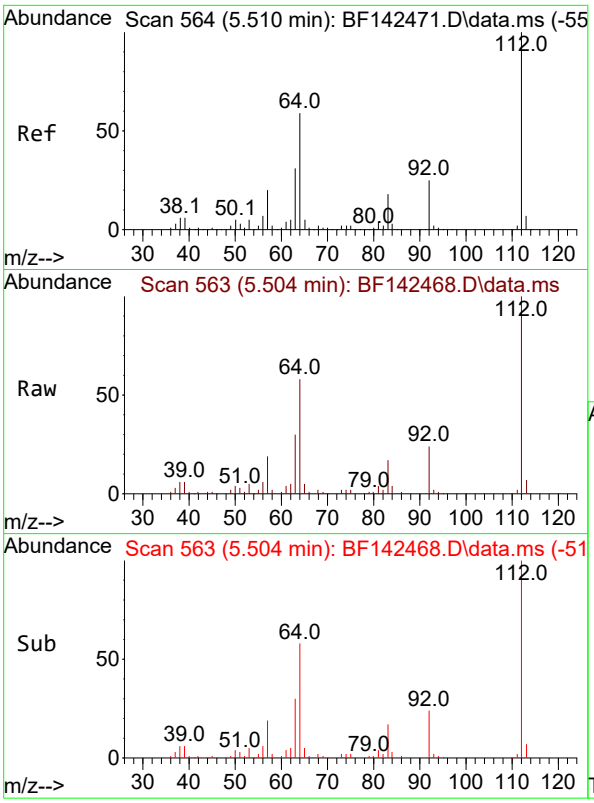


#4
n-Nitrosodimethylamine
Concen: 4.870 ng
RT: 3.369 min Scan# 200
Delta R.T. -0.035 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion: 42 Resp: 13346

Ion	Ratio	Lower	Upper
42	100		
74	106.9	88.2	132.4
44	9.1	5.4	8.2#



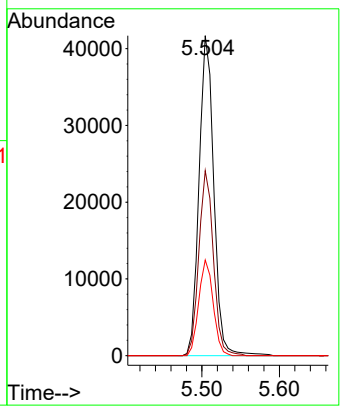


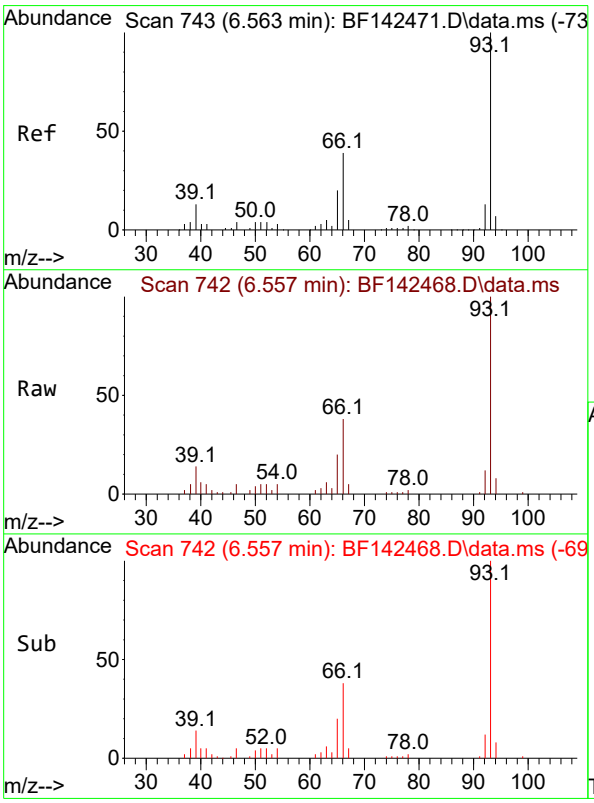
#5
2-Fluorophenol
Concen: 10.647 ng
RT: 5.504 min Scan# 5
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 55140

Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.5	71.3
63	29.9	24.9	37.3

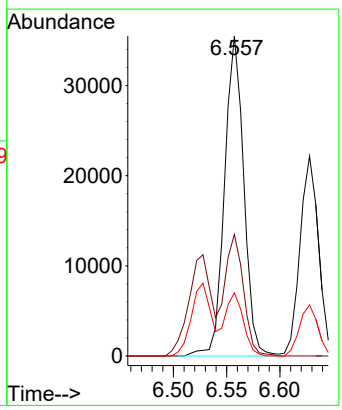


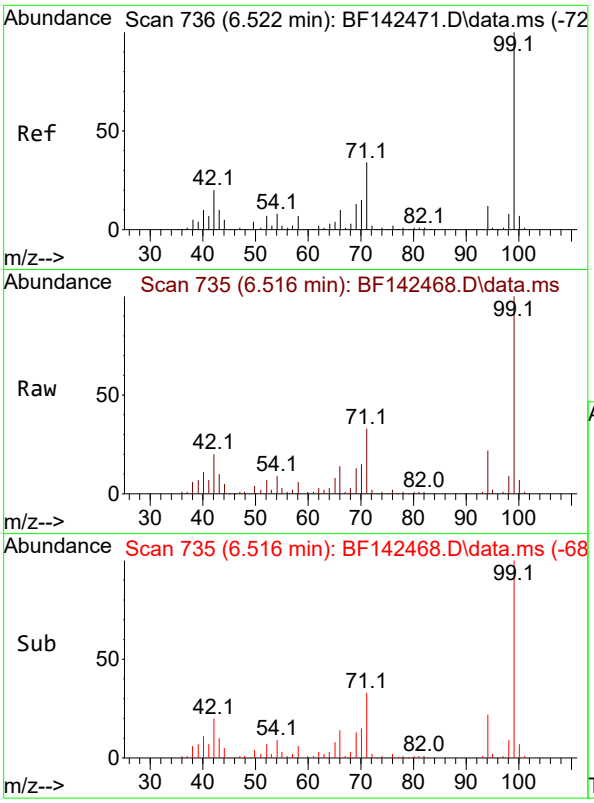


#6
Aniline
Concen: 5.318 ng
RT: 6.557 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion: 93 Resp: 44576

Ion	Ratio	Lower	Upper
93	100		
66	38.0	32.0	48.0
65	19.7	16.1	24.1



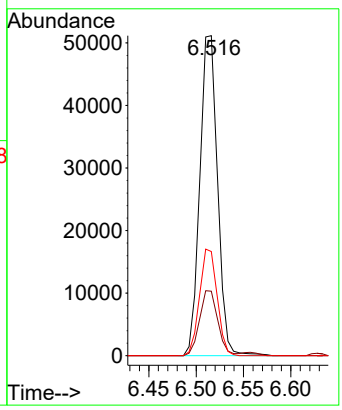


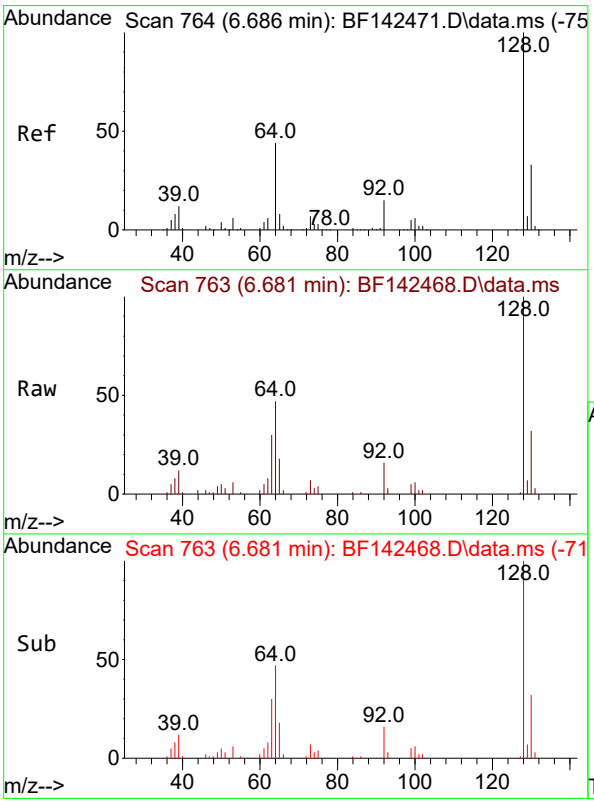
#7
Phenol-d6
Concen: 10.710 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 66768

Ion	Ratio	Lower	Upper
99	100		
42	20.2	16.2	24.2
71	32.6	27.3	40.9

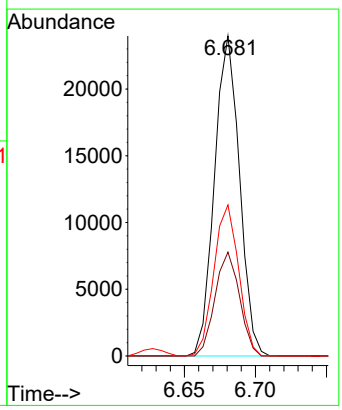


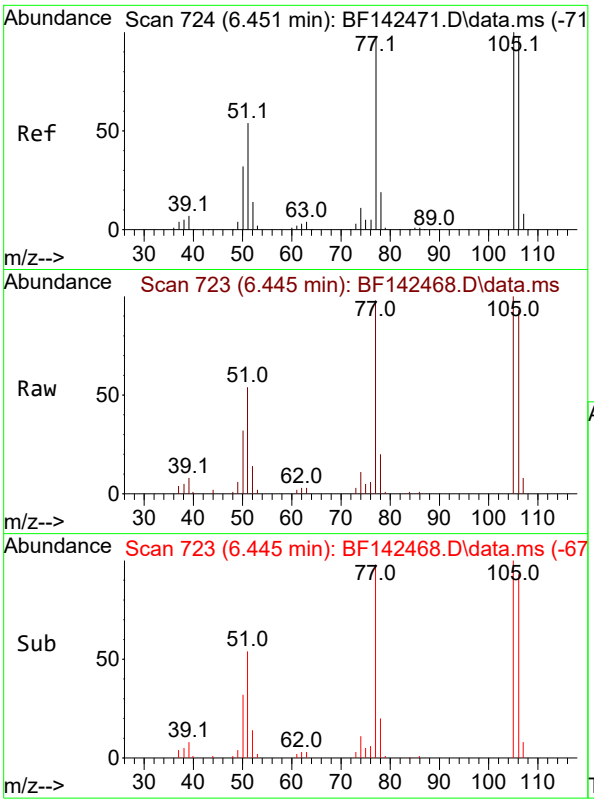


#8
2-Chlorophenol
Concen: 5.201 ng
RT: 6.681 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:128 Resp: 29341

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.6	52.6
64	47.2	25.1	65.1



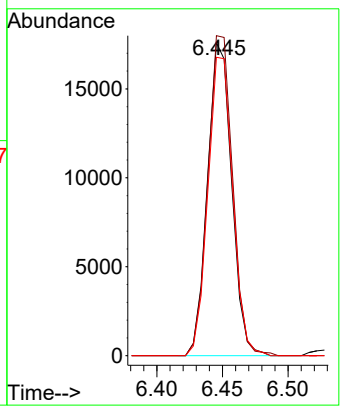


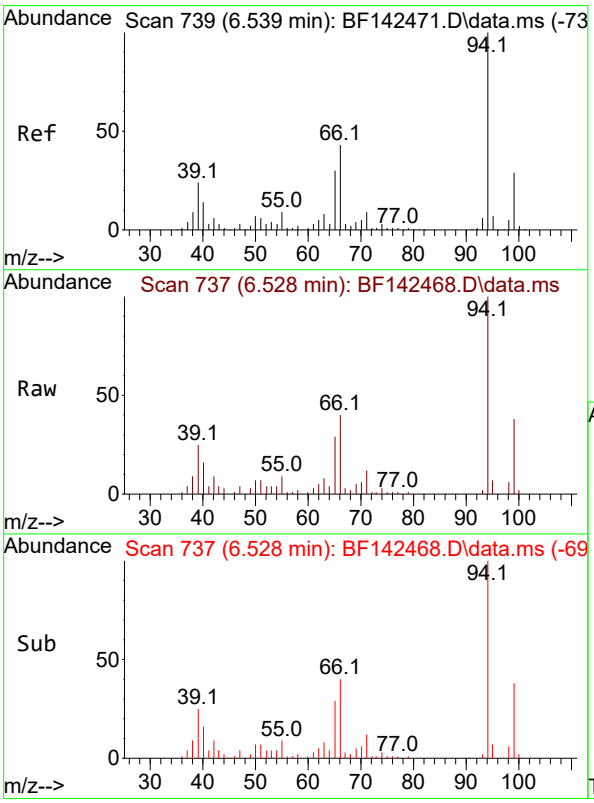
#9
Benzaldehyde
Concen: 6.020 ng
RT: 6.445 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 22572

Ion	Ratio	Lower	Upper
77	100		
105	102.2	82.5	122.5
106	95.3	80.0	120.0

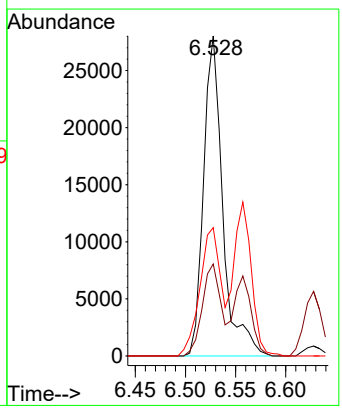


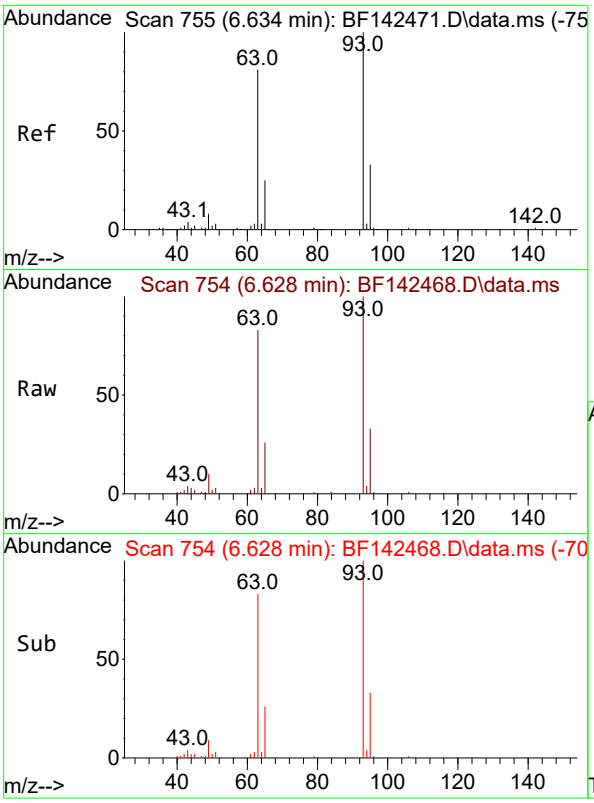


#10
Phenol
Concen: 5.336 ng
RT: 6.528 min Scan# 737
Delta R.T. -0.023 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion: 94 Resp: 37431

Ion	Ratio	Lower	Upper
94	100		
65	28.8	10.3	50.3
66	40.1	22.6	62.6



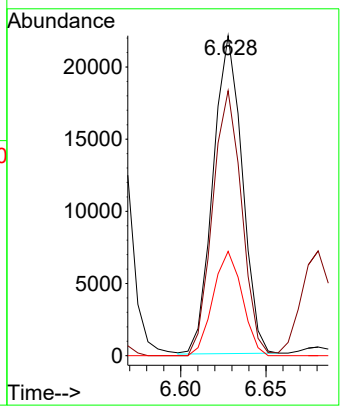


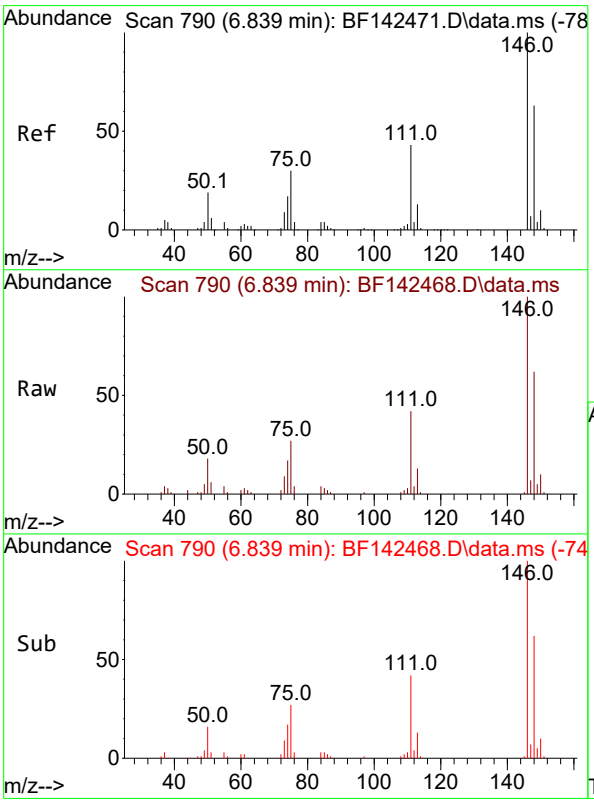
#11
bis(2-Chloroethyl)ether
Concen: 5.192 ng
RT: 6.628 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 26215

Ion	Ratio	Lower	Upper
93	100		
63	82.8	60.2	100.2
95	32.6	12.3	52.3

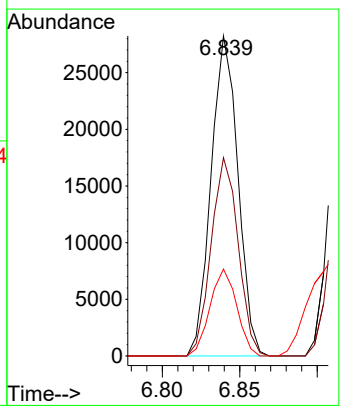


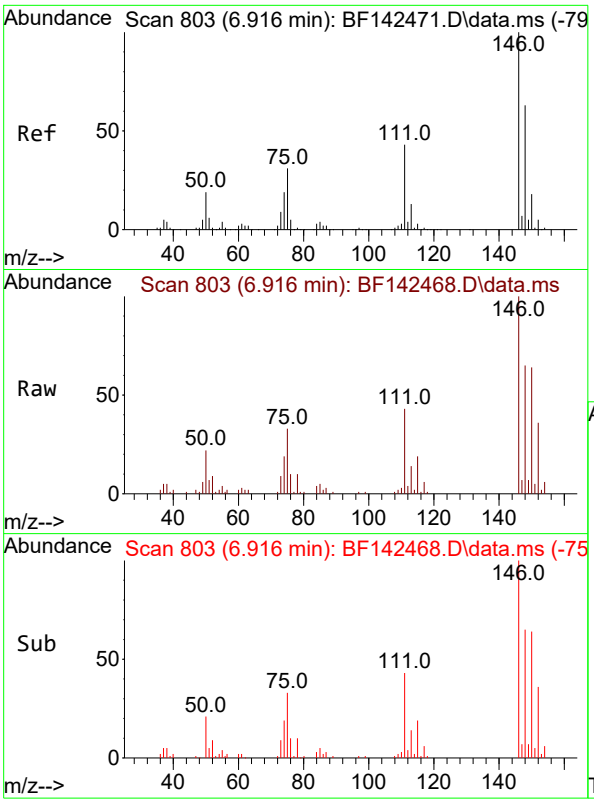


#12
1,3-Dichlorobenzene
Concen: 5.413 ng
RT: 6.839 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:146 Resp: 34073

Ion	Ratio	Lower	Upper
146	100		
148	62.0	50.6	75.8
75	27.1	23.8	35.6



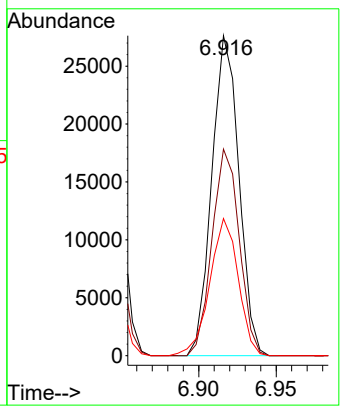


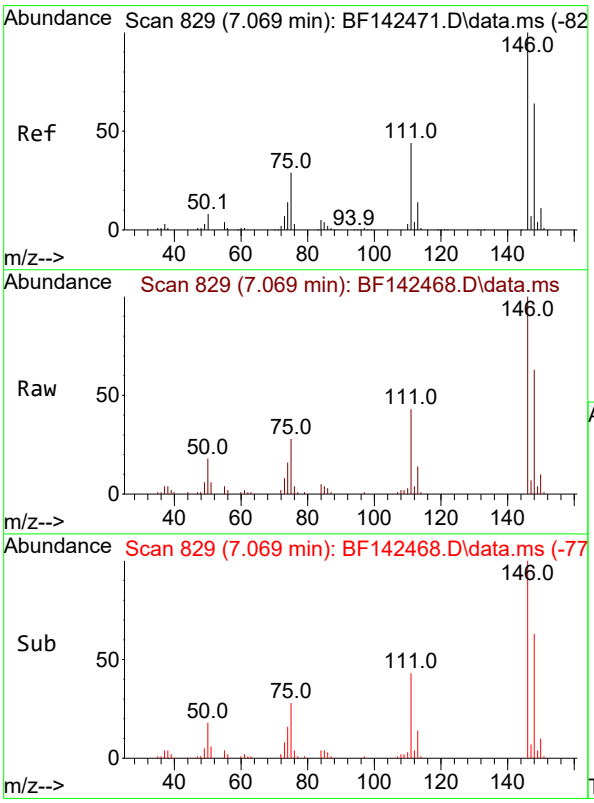
#13
1,4-Dichlorobenzene
Concen: 5.298 ng
RT: 6.916 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 33593

Ion	Ratio	Lower	Upper
146	100		
148	64.6	50.4	75.6
111	42.9	34.1	51.1

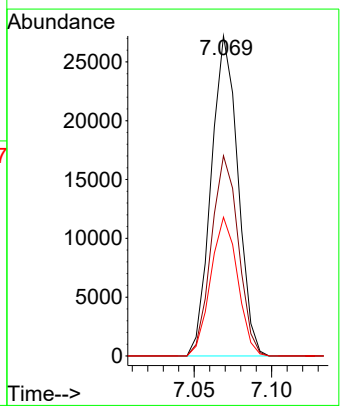


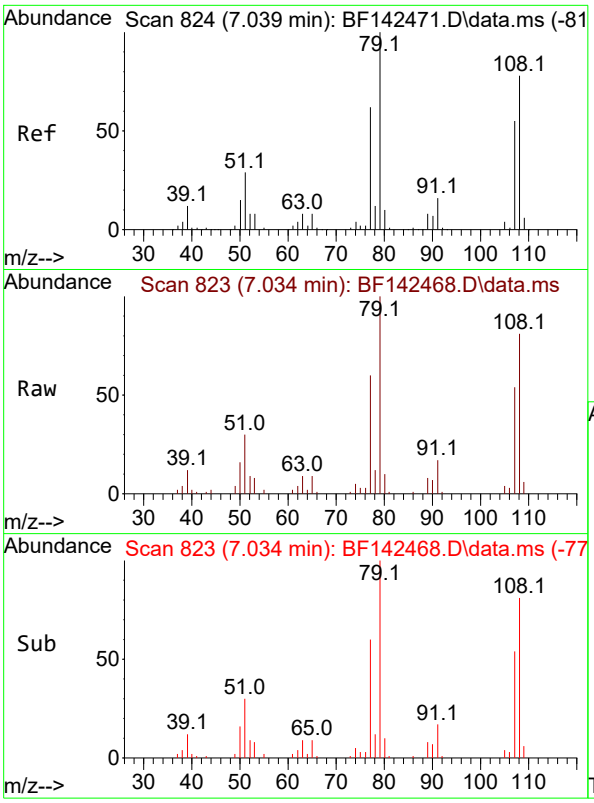


#14
1,2-Dichlorobenzene
Concen: 5.374 ng
RT: 7.069 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:146 Resp: 32604

Ion	Ratio	Lower	Upper
146	100		
148	62.6	51.0	76.4
111	43.4	35.0	52.6



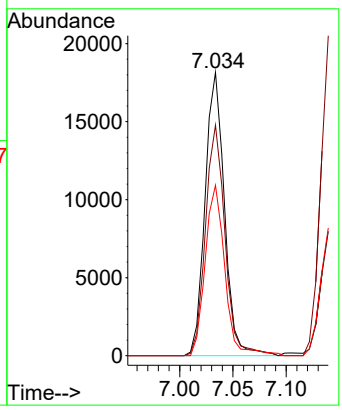


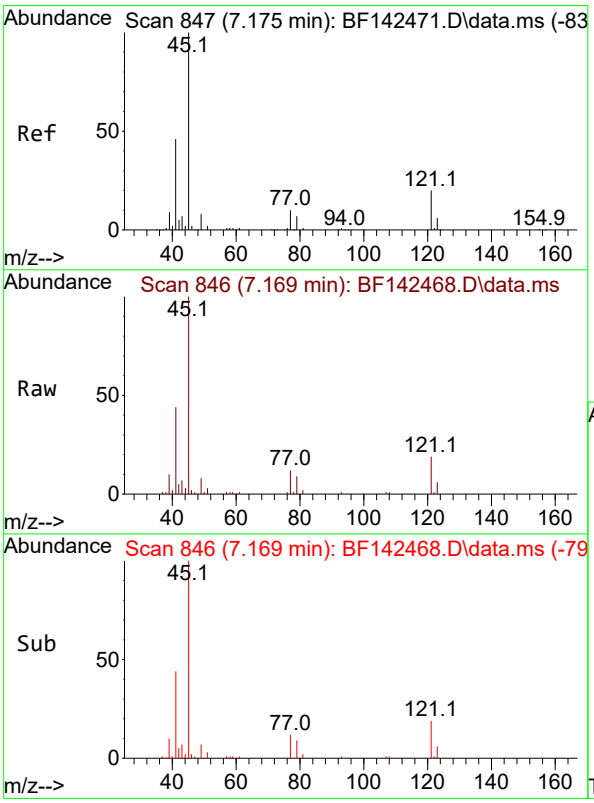
#15
Benzyl Alcohol
Concen: 5.015 ng
RT: 7.034 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 23103

Ion	Ratio	Lower	Upper
79	100		
108	81.4	62.1	93.1
77	60.2	49.5	74.3

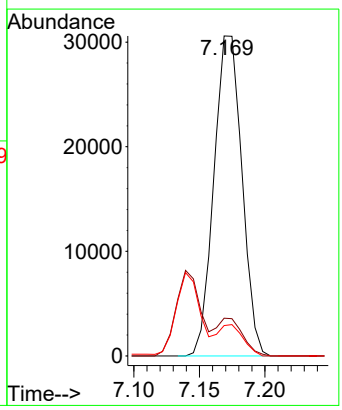


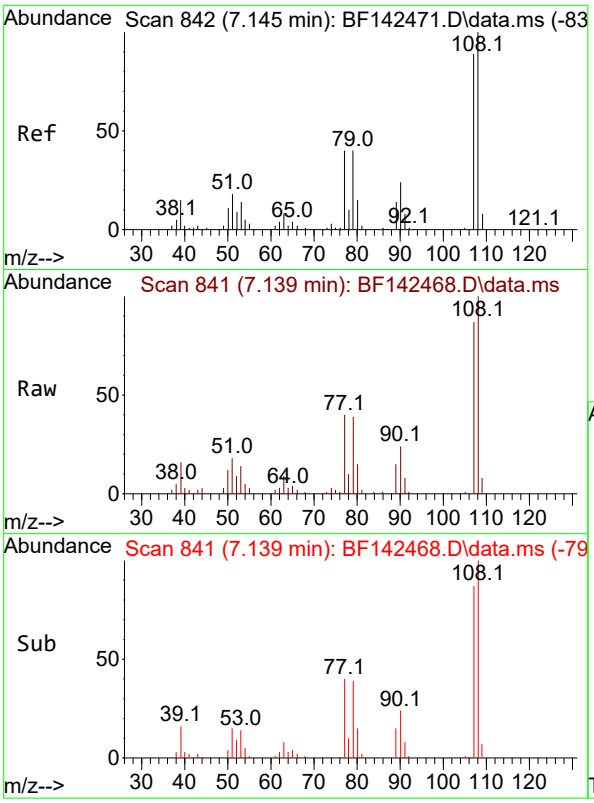


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.355 ng
RT: 7.169 min Scan# 846
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion: 45 Resp: 45414

Ion	Ratio	Lower	Upper
45	100		
77	11.8	0.0	32.0
79	9.5	0.0	29.2



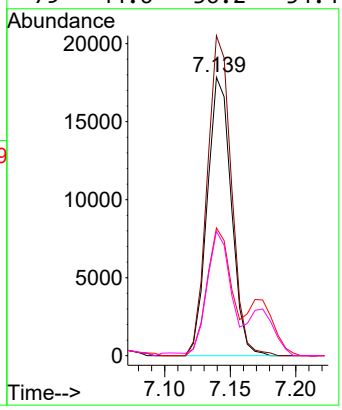


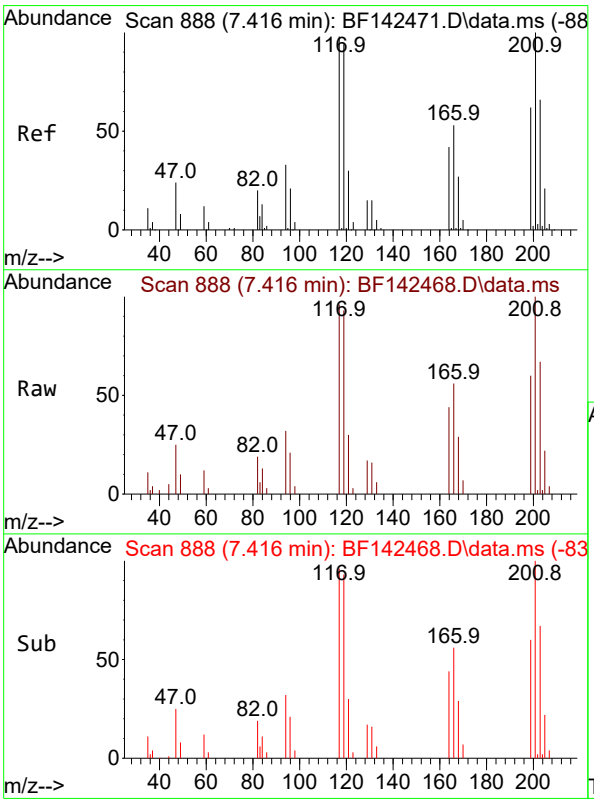
#17
2-Methylphenol
Concen: 5.153 ng
RT: 7.139 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 22693

Ion	Ratio	Lower	Upper
107	100		
108	114.9	90.2	135.2
77	45.9	36.1	54.1
79	44.6	36.2	54.4

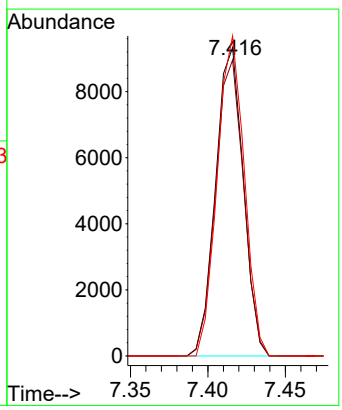


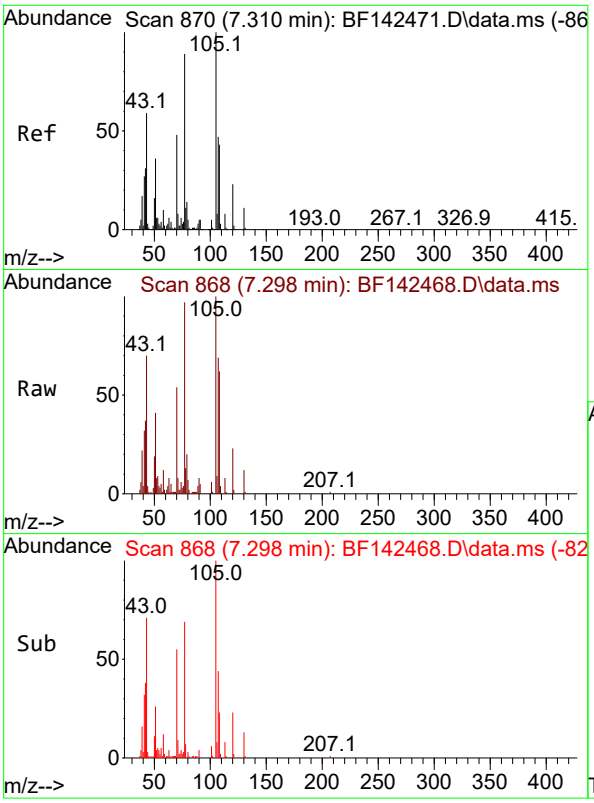


#18
Hexachloroethane
Concen: 5.255 ng
RT: 7.416 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:117 Resp: 11635

Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.6	114.8
201	103.7	81.3	121.9



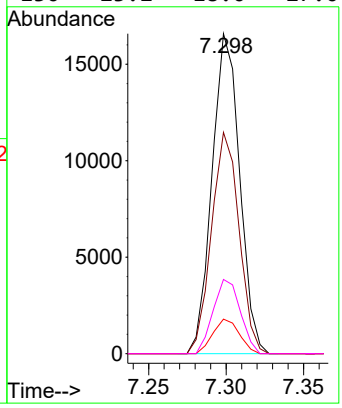


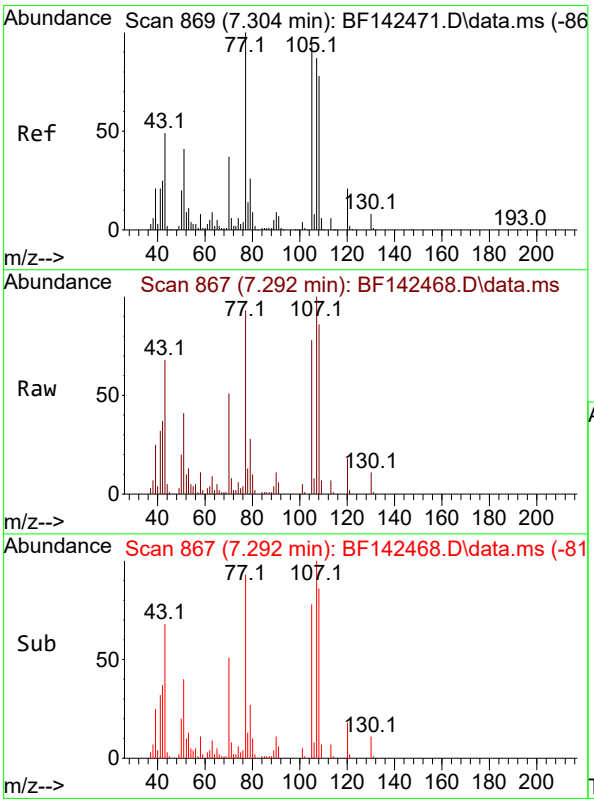
#19
n-Nitroso-di-n-propylamine
Concen: 5.313 ng
RT: 7.298 min Scan# 8
Delta R.T. -0.029 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 70 Resp: 20527

Ion	Ratio	Lower	Upper
70	100		
42	69.1	52.4	78.6
101	10.8	7.8	11.8
130	23.2	18.0	27.0

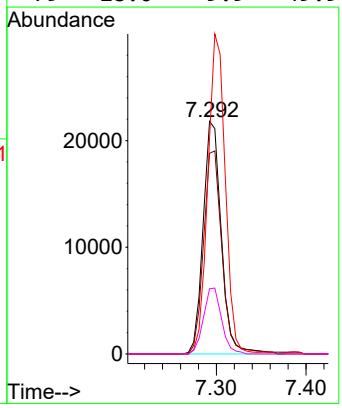


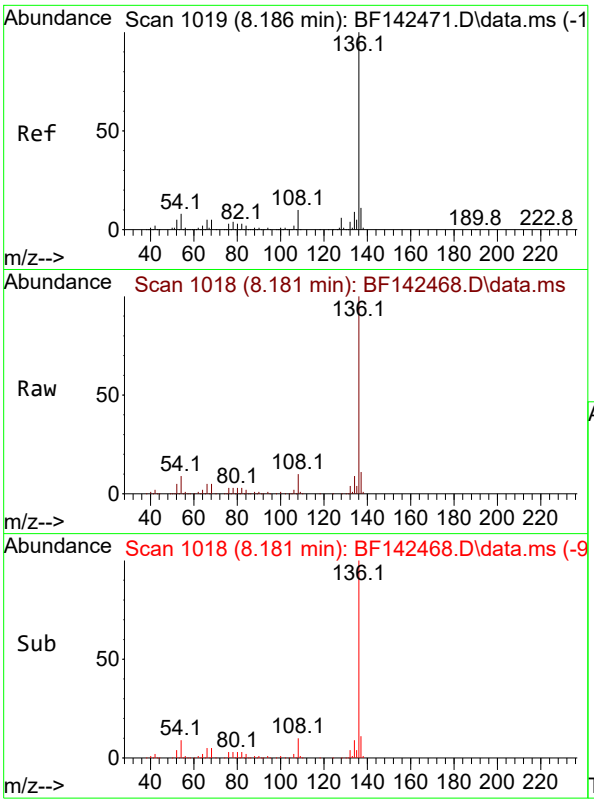


#20
3+4-Methylphenols
Concen: 5.460 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.018 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:107 Resp: 30797

Ion	Ratio	Lower	Upper
107	100		
108	86.3	70.4	110.4
77	92.8	95.4	135.4#
79	28.0	9.9	49.9



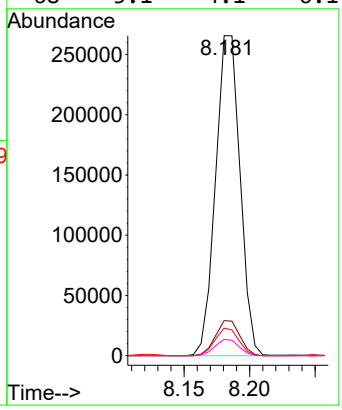


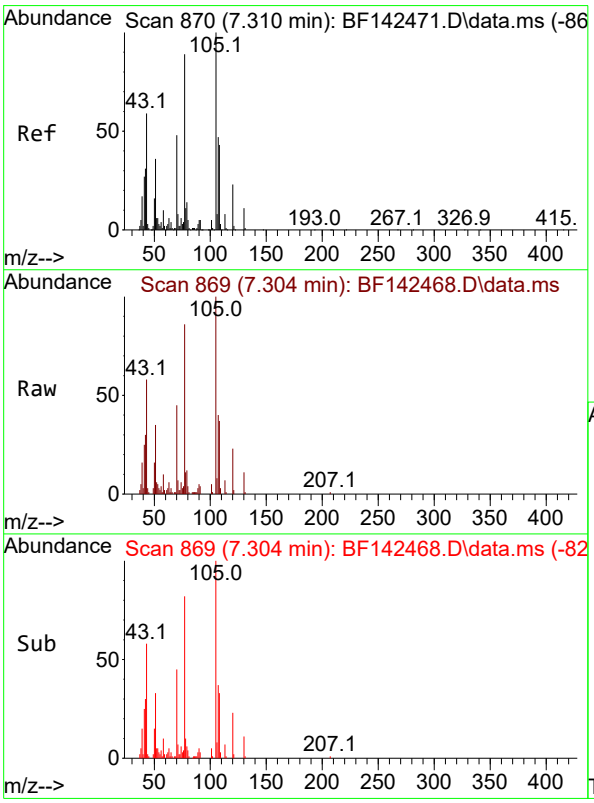
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 345154

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.6	6.6	10.0
68	5.1	4.1	6.1

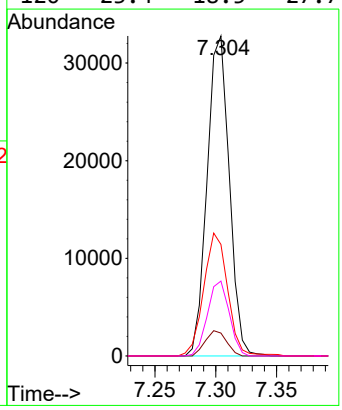


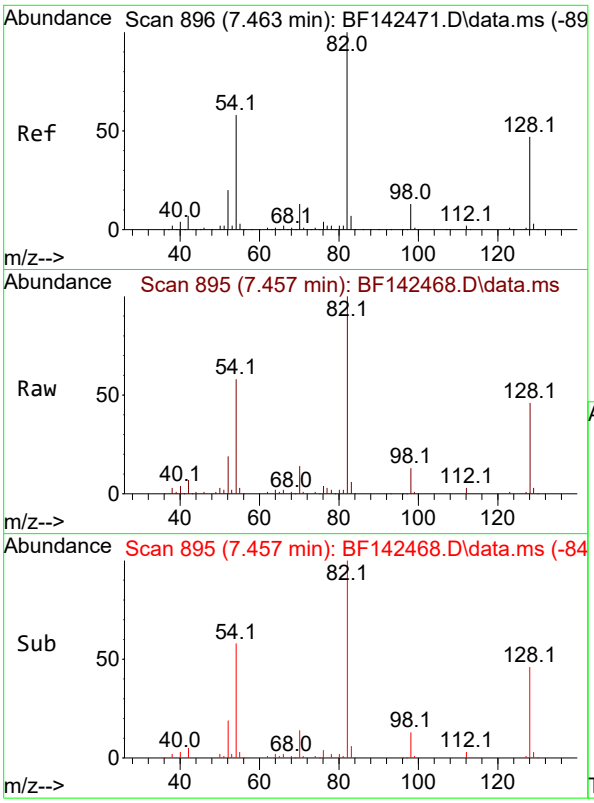


#22
Acetophenone
Concen: 5.423 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:105 Resp: 41438

Ion	Ratio	Lower	Upper
105	100		
71	7.2	6.4	9.6
51	34.9	28.6	42.8
120	23.4	18.5	27.7



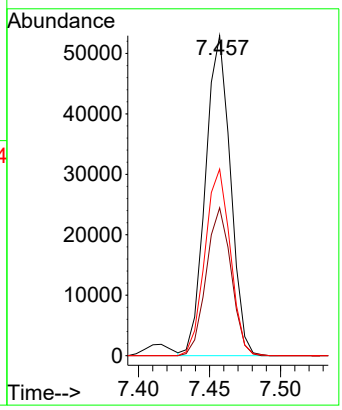


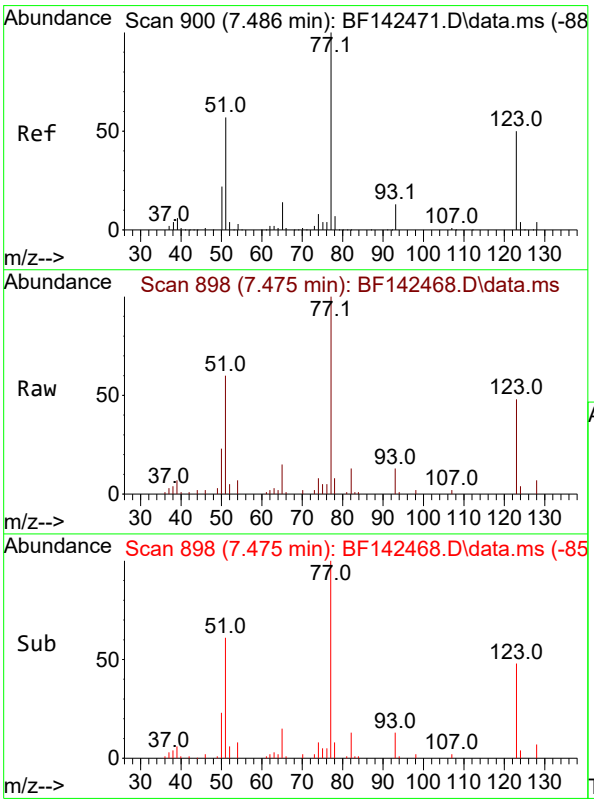
#23
Nitrobenzene-d5
Concen: 10.249 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 64876

Ion	Ratio	Lower	Upper
82	100		
128	46.2	37.4	56.2
54	58.3	46.6	70.0

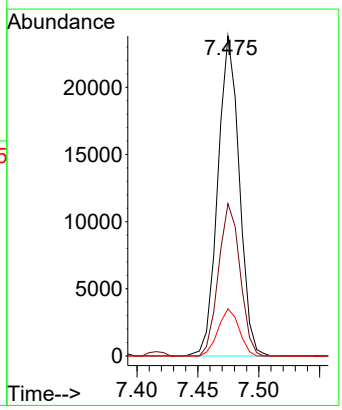


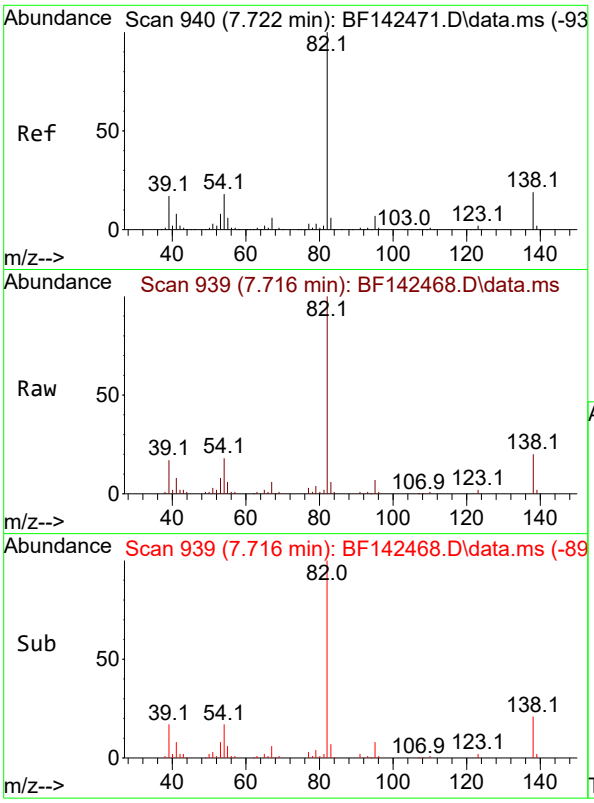


#24
Nitrobenzene
Concen: 5.114 ng
RT: 7.475 min Scan# 898
Delta R.T. -0.018 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion: 77 Resp: 29193

Ion	Ratio	Lower	Upper
77	100		
123	47.6	40.6	61.0
65	14.7	11.4	17.2



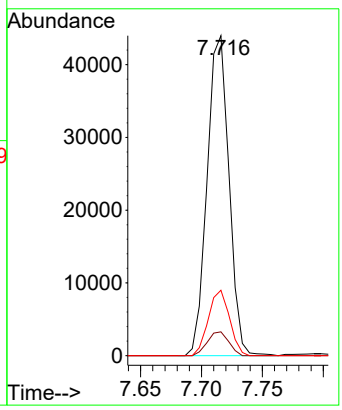


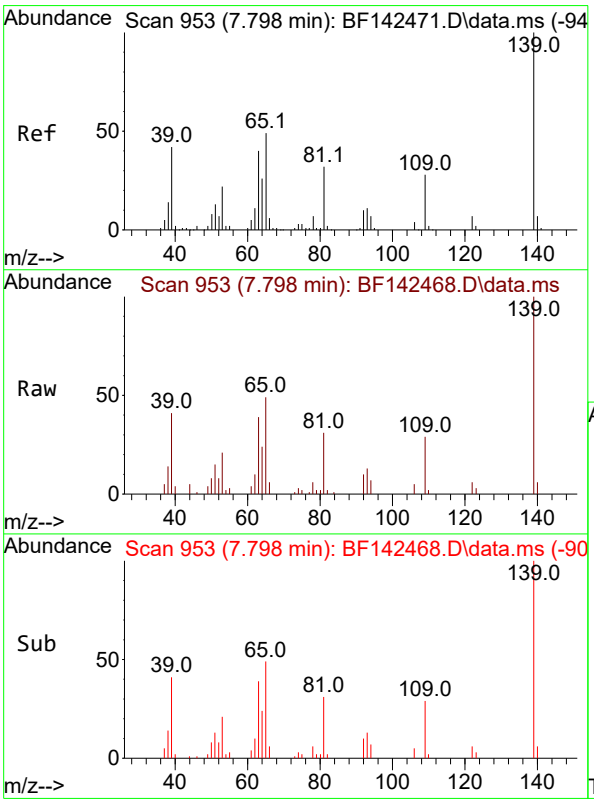
#25
Isophorone
Concen: 5.182 ng
RT: 7.716 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 54838

Ion	Ratio	Lower	Upper
82	100		
95	7.4	6.0	9.0
138	20.4	15.5	23.3

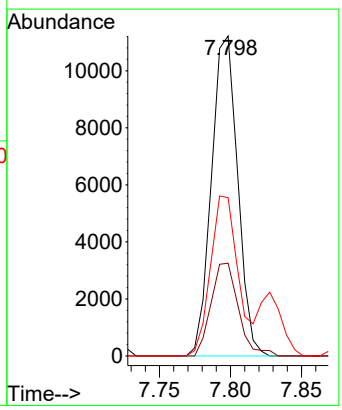


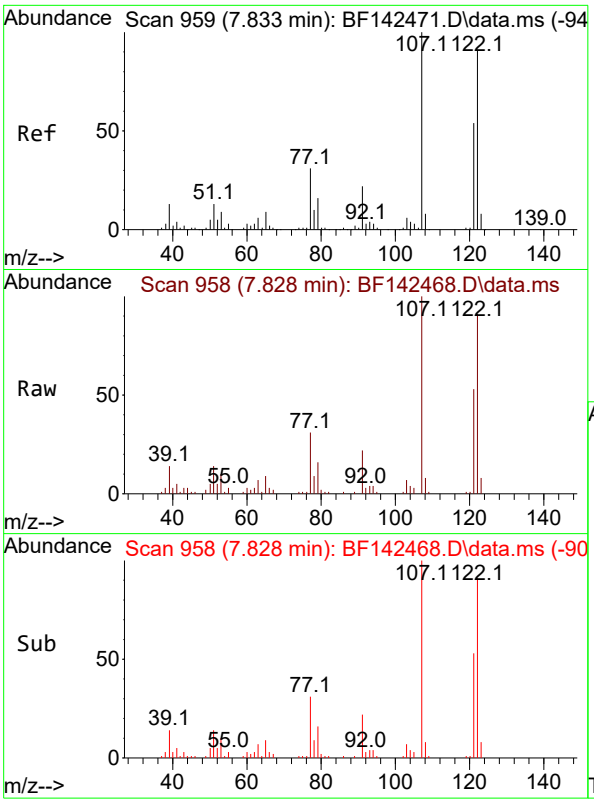


#26
2-Nitrophenol
Concen: 4.716 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:139 Resp: 14387

Ion	Ratio	Lower	Upper
139	100		
109	29.0	22.6	33.8
65	49.4	39.4	59.0



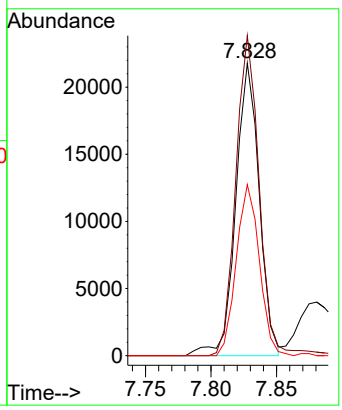


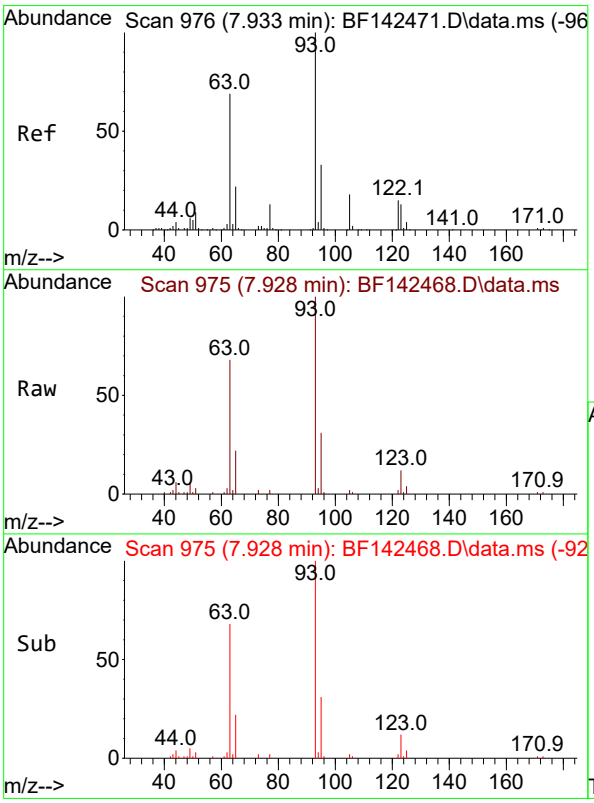
#27
2,4-Dimethylphenol
Concen: 5.051 ng
RT: 7.828 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 27170

Ion	Ratio	Lower	Upper
122	100		
107	109.4	88.1	132.1
121	58.4	47.3	70.9

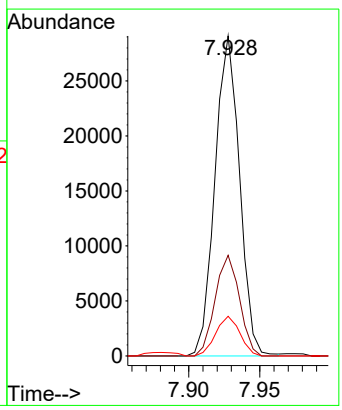


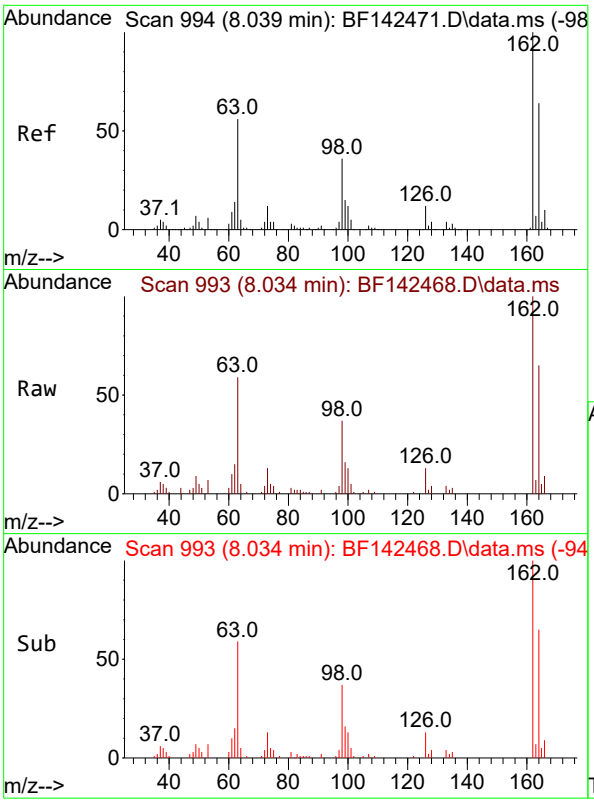


#28
bis(2-Chloroethoxy)methane
Concen: 5.296 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion: 93 Resp: 35010

Ion	Ratio	Lower	Upper
93	100		
95	31.4	26.4	39.6
123	12.4	10.6	15.8



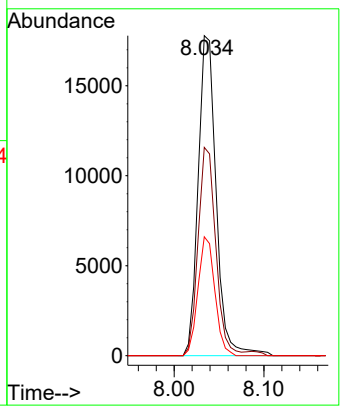


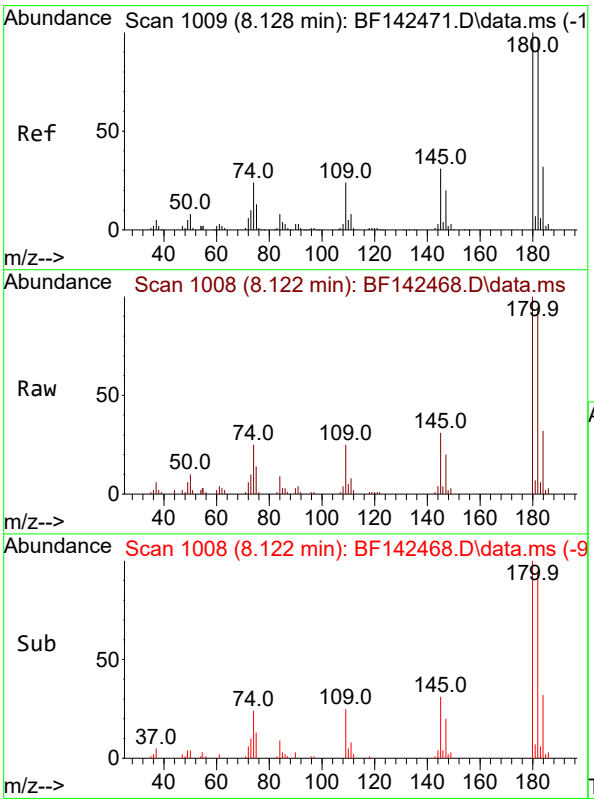
#29
2,4-Dichlorophenol
Concen: 5.072 ng
RT: 8.034 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 24812

Ion	Ratio	Lower	Upper
162	100		
164	65.1	43.7	83.7
98	37.2	15.5	55.5

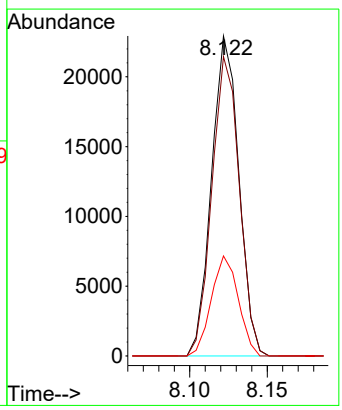


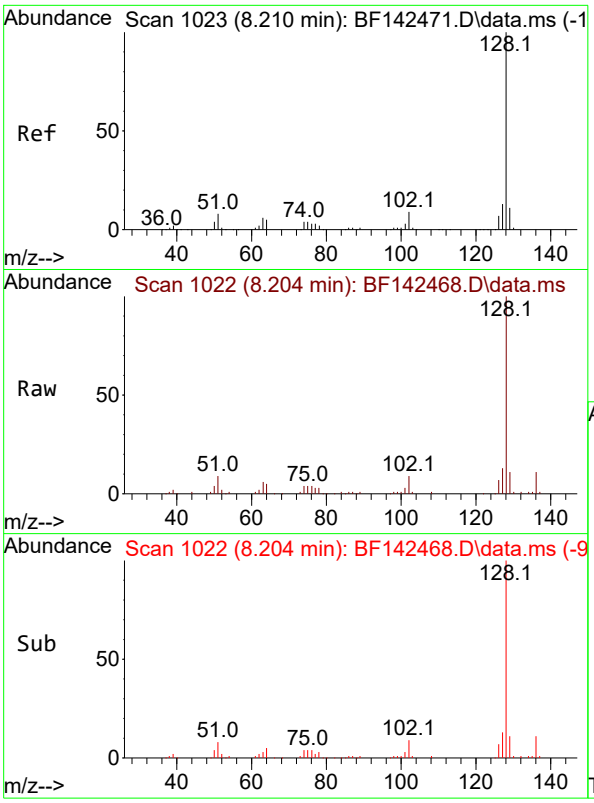


#30
1,2,4-Trichlorobenzene
Concen: 5.281 ng
RT: 8.122 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:180 Resp: 28037

Ion	Ratio	Lower	Upper
180	100		
182	93.5	78.0	117.0
145	31.3	25.0	37.6



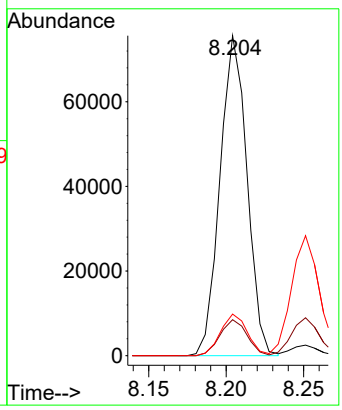


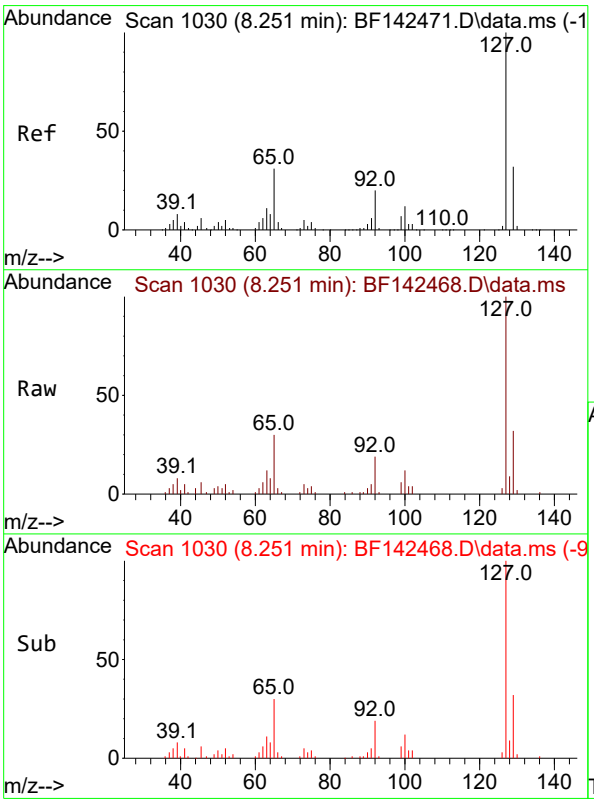
#31
Naphthalene
Concen: 5.388 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 91563

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.0	10.5	15.7

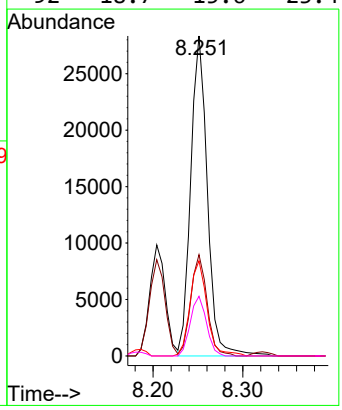


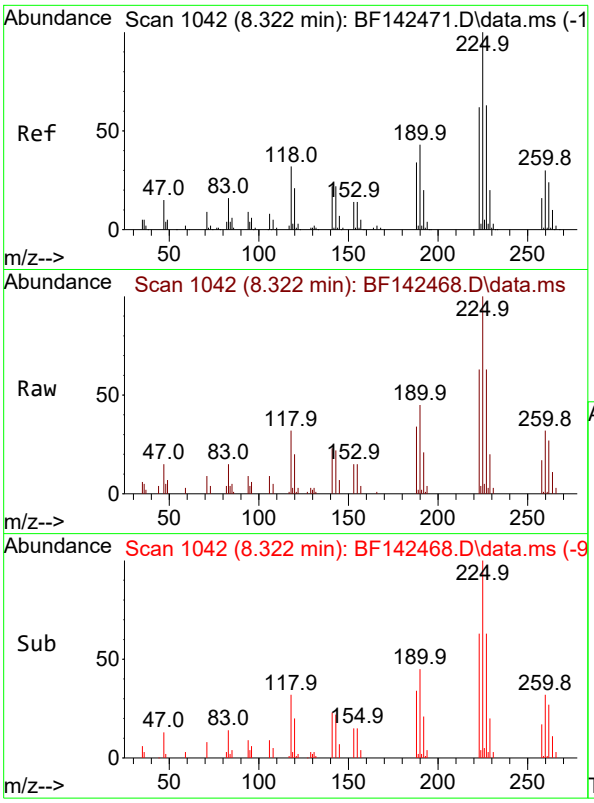


#33
4-Chloroaniline
Concen: 5.314 ng
RT: 8.251 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:127 Resp: 36597

Ion	Ratio	Lower	Upper
127	100		
129	31.6	26.1	39.1
65	29.7	24.9	37.3
92	18.7	15.6	23.4



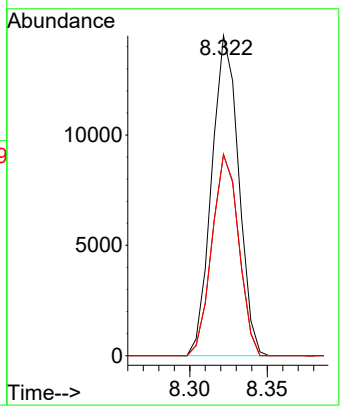


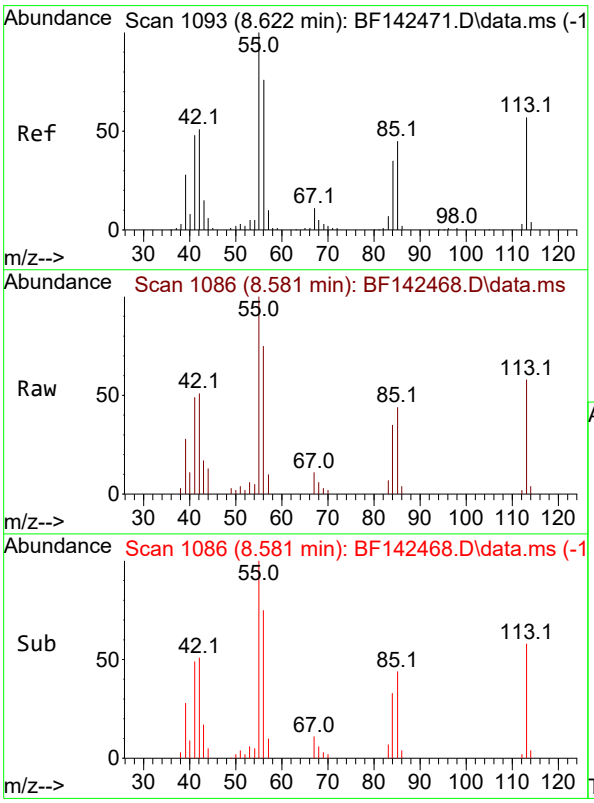
#34
Hexachlorobutadiene
Concen: 5.280 ng
RT: 8.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:225 Resp: 17505

Ion	Ratio	Lower	Upper
225	100		
223	62.9	49.7	74.5
227	62.8	50.3	75.5

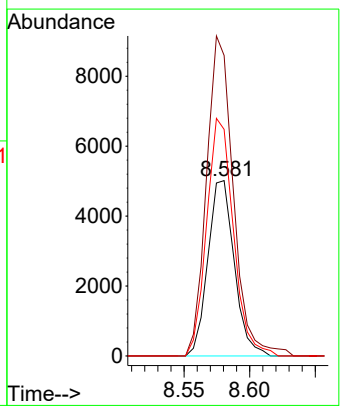


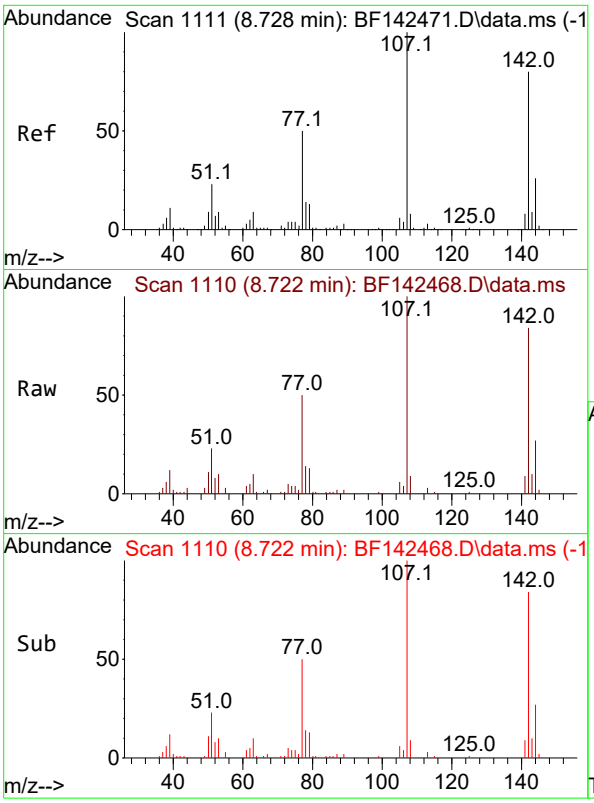


#35
Caprolactam
Concen: 5.109 ng
RT: 8.581 min Scan# 1086
Delta R.T. -0.065 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:113 Resp: 7020

Ion	Ratio	Lower	Upper
113	100		
55	171.4	154.7	194.7
56	129.2	113.2	153.2



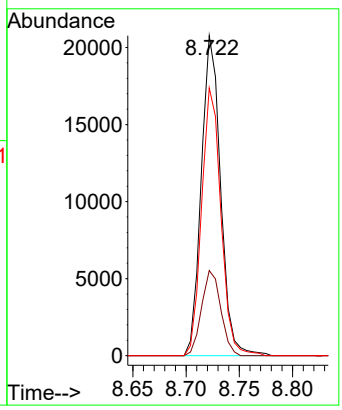


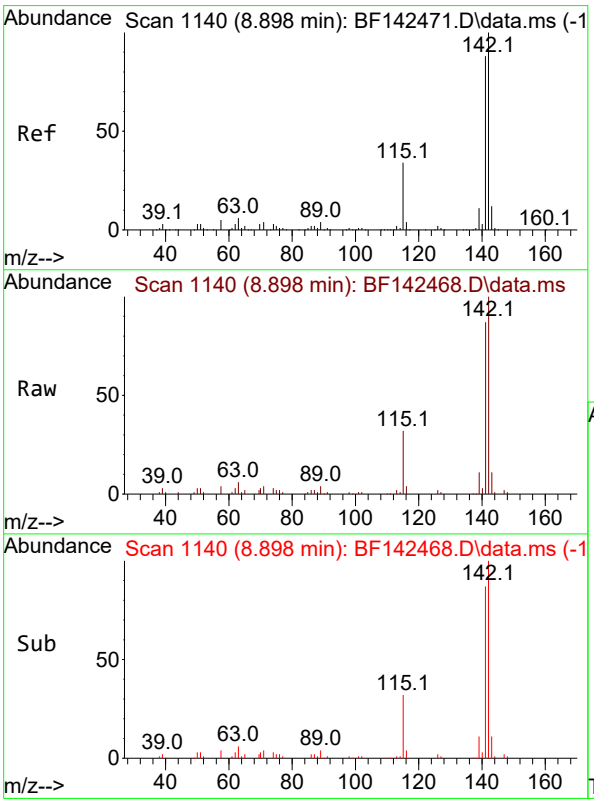
#36
4-Chloro-3-methylphenol
Concen: 5.225 ng
RT: 8.722 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 26197

Ion	Ratio	Lower	Upper
107	100		
144	26.6	20.9	31.3
142	83.7	64.2	96.2

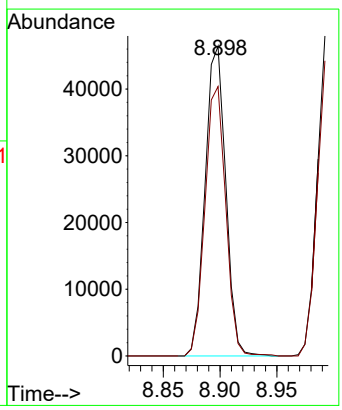


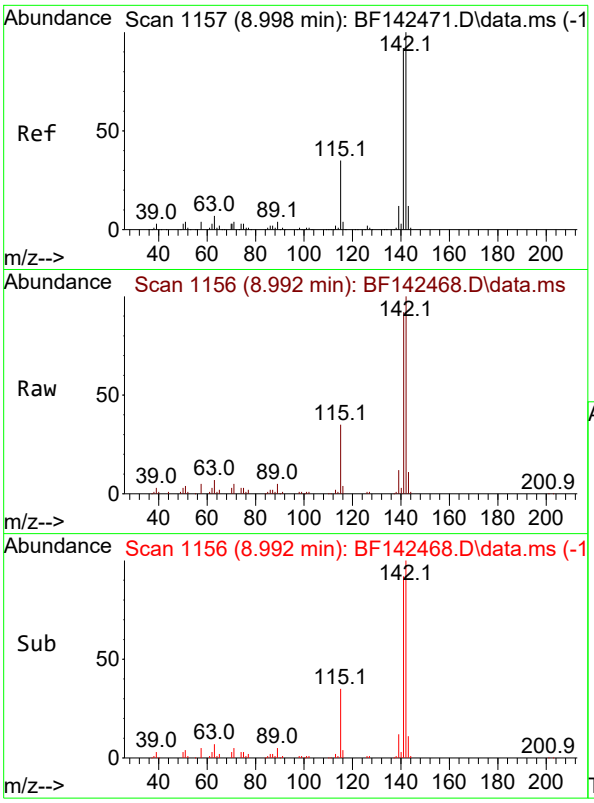


#37
2-Methylnaphthalene
Concen: 5.478 ng
RT: 8.898 min Scan# 1140
Delta R.T. 0.000 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:142 Resp: 58574

Ion	Ratio	Lower	Upper
142	100		
141	87.0	70.7	106.1



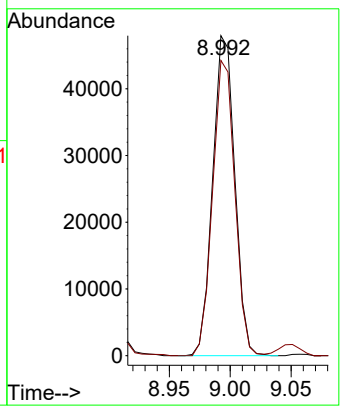


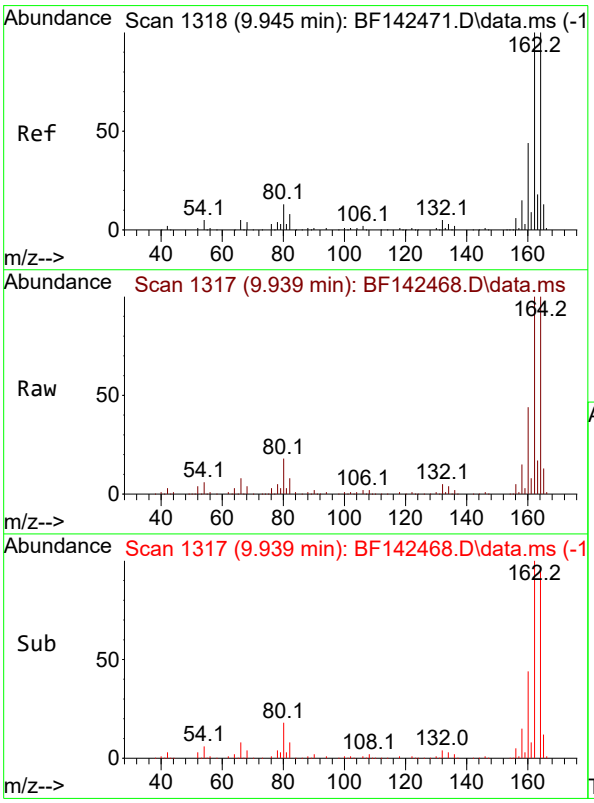
#38
1-Methylnaphthalene
Concen: 5.486 ng
RT: 8.992 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 60674

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.4	110.2

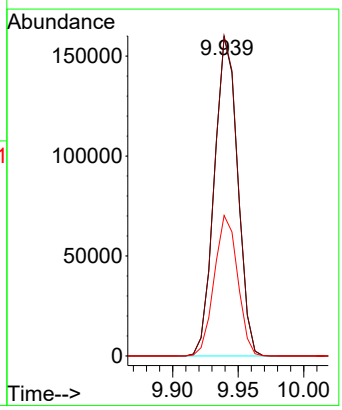


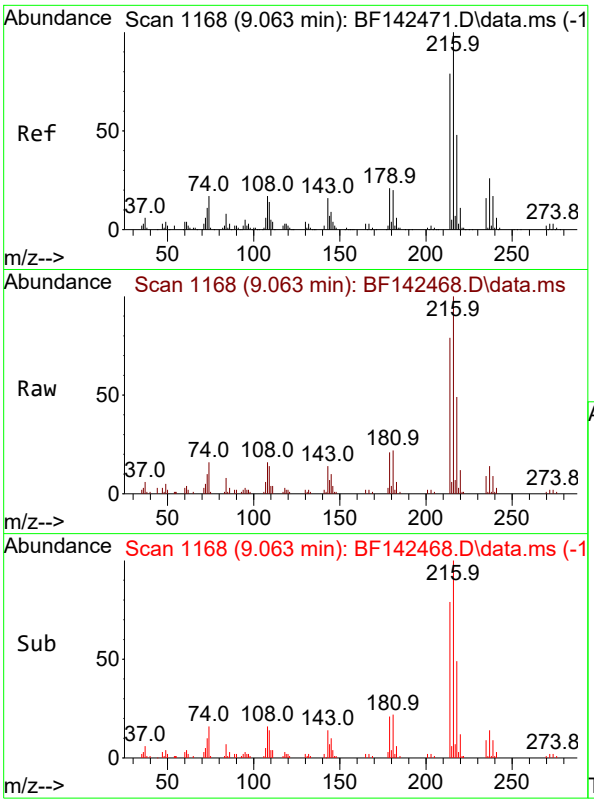


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:164 Resp: 197100

Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.2	120.4
160	44.1	35.6	53.4



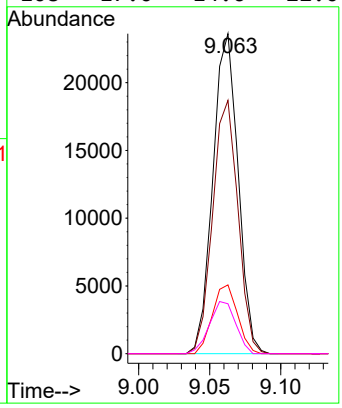


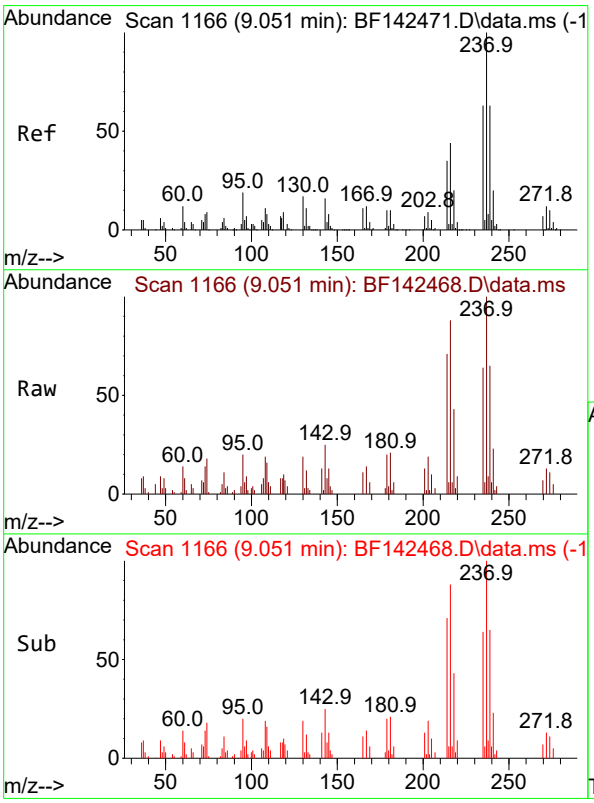
#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.152 ng
RT: 9.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:216 Resp: 29150

Ion	Ratio	Lower	Upper
216	100		
214	79.4	62.9	94.3
179	21.5	16.9	25.3
108	17.0	14.6	22.0

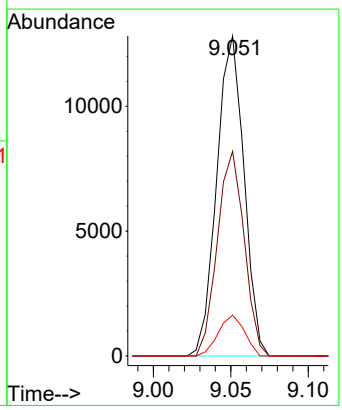


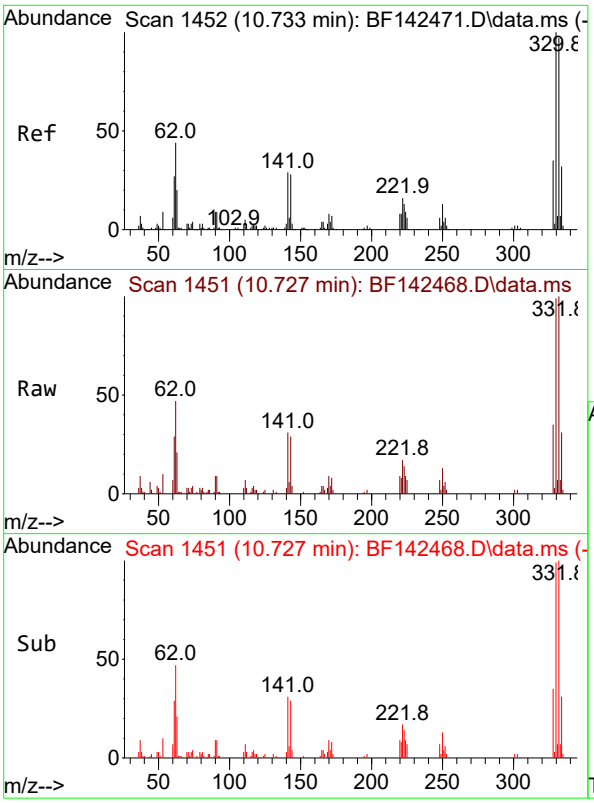


#41
Hexachlorocyclopentadiene
Concen: 4.105 ng
RT: 9.051 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:237 Resp: 15667

Ion	Ratio	Lower	Upper
237	100		
235	64.0	43.3	83.3
272	12.7	0.0	32.4



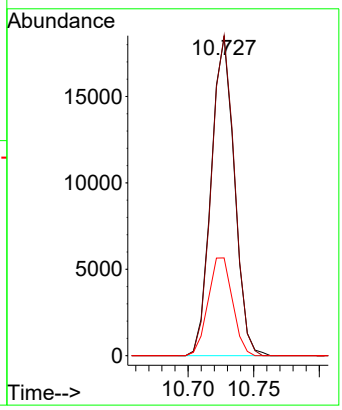


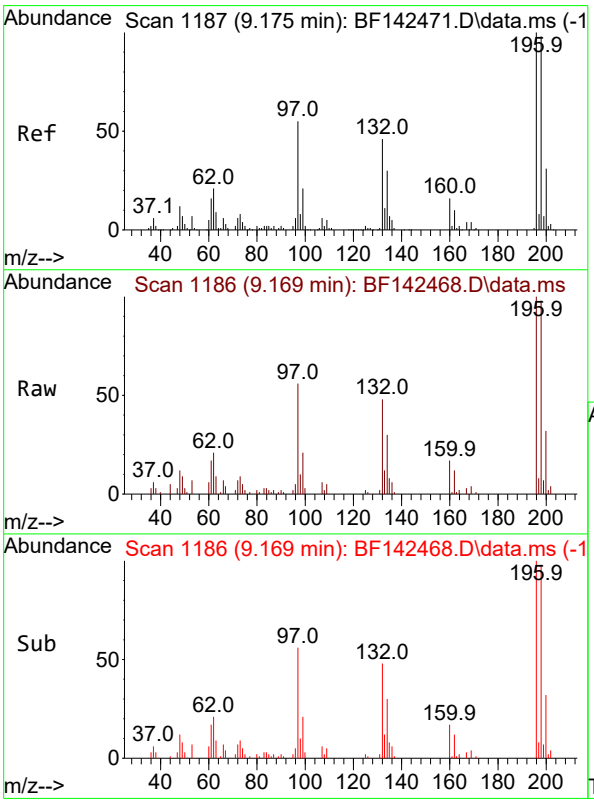
#42
2,4,6-Tribromophenol
Concen: 10.378 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:330 Resp: 22702

Ion	Ratio	Lower	Upper
330	100		
332	99.5	77.6	116.4
141	32.2	24.6	36.8

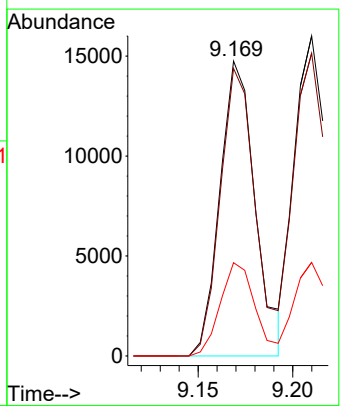


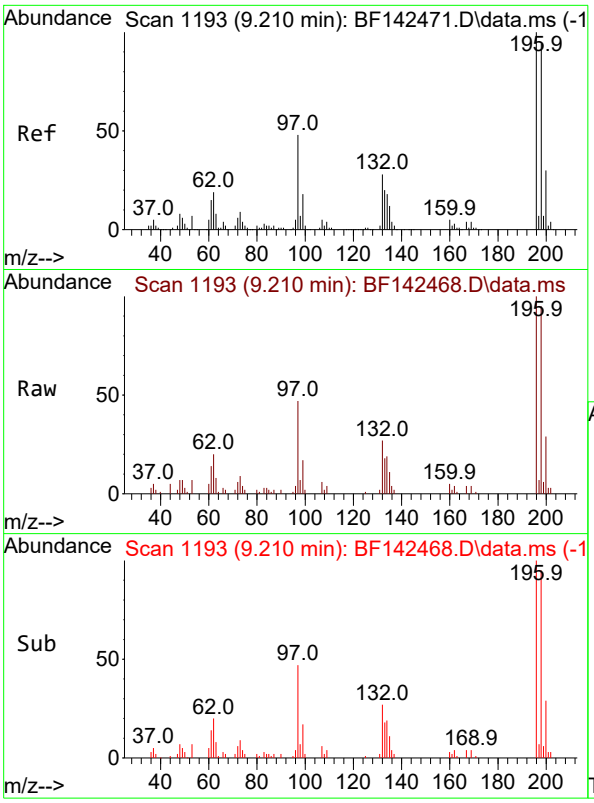


#43
2,4,6-Trichlorophenol
Concen: 5.001 ng
RT: 9.169 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:196 Resp: 19079

Ion	Ratio	Lower	Upper
196	100		
198	97.5	78.8	118.2
200	31.6	24.9	37.3



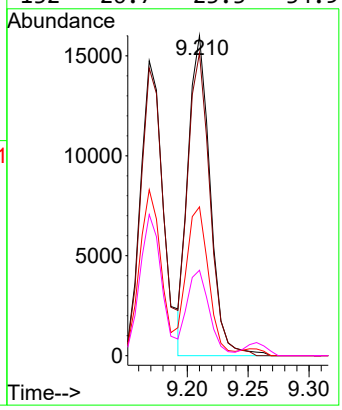


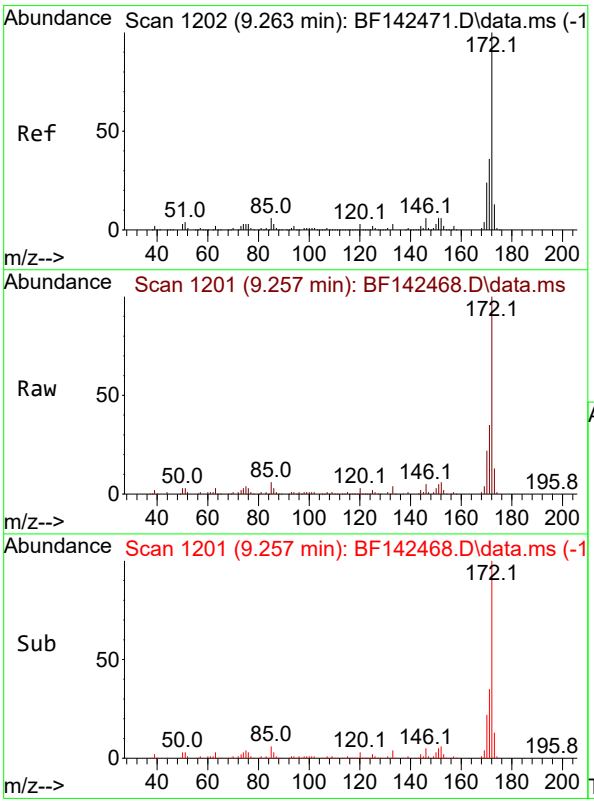
#44
2,4,5-Trichlorophenol
Concen: 5.020 ng
RT: 9.210 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 20200

Ion	Ratio	Lower	Upper
196	100		
198	94.6	75.5	113.3
97	46.5	39.3	58.9
132	26.7	23.3	34.9

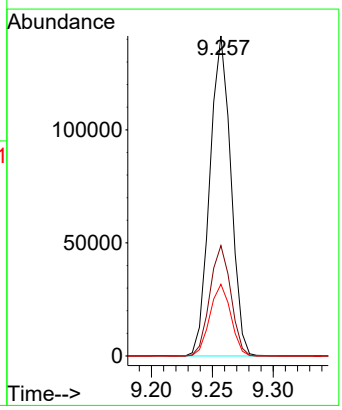


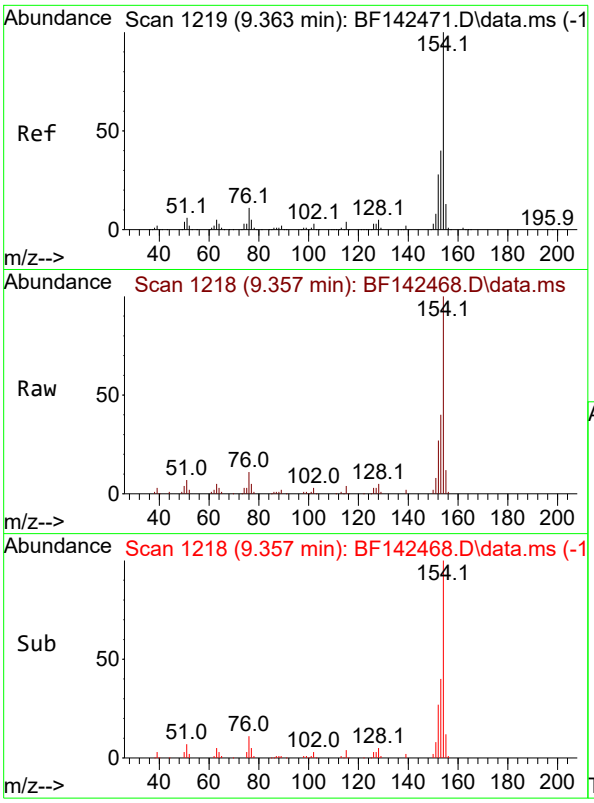


#45
2-Fluorobiphenyl
Concen: 11.583 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:172 Resp: 170142

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.6	42.8
170	22.4	18.9	28.3



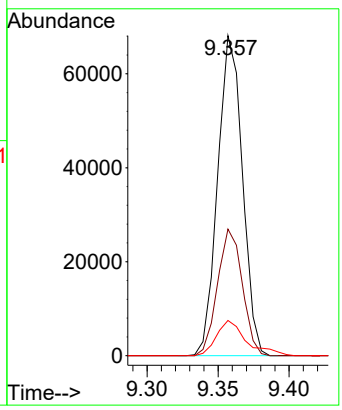


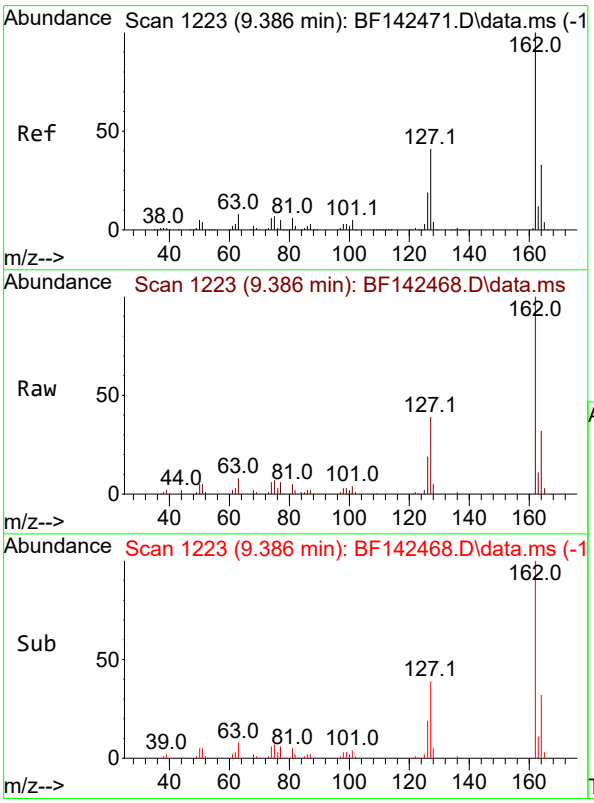
#46
1,1'-Biphenyl
Concen: 5.387 ng
RT: 9.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 82376

Ion	Ratio	Lower	Upper
154	100		
153	39.5	20.4	60.4
76	11.0	0.0	30.8

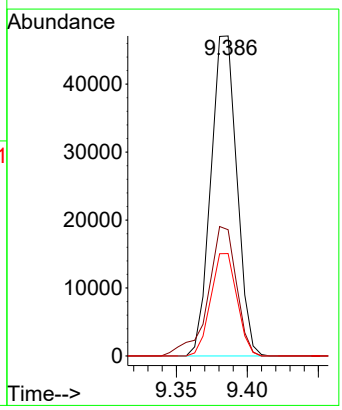


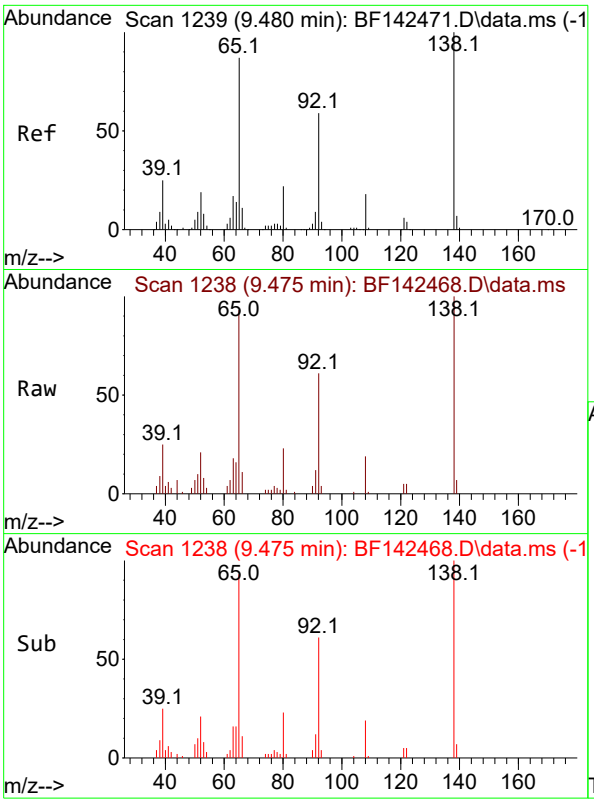


#47
2-Chloronaphthalene
Concen: 5.311 ng
RT: 9.386 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:162 Resp: 60002

Ion	Ratio	Lower	Upper
162	100		
127	39.4	33.5	50.3
164	32.0	26.1	39.1



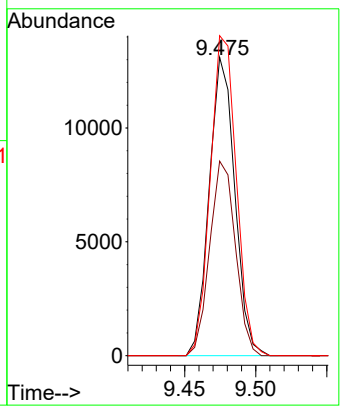


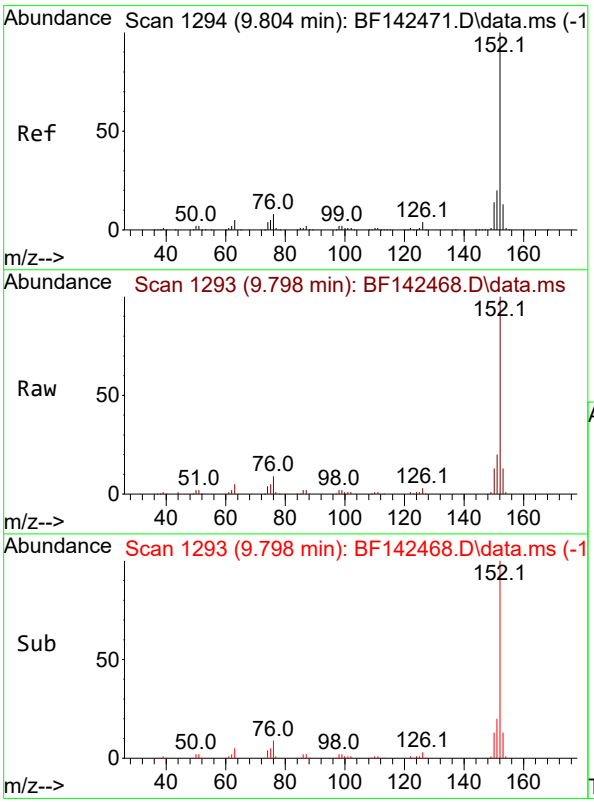
#48
2-Nitroaniline
Concen: 5.022 ng
RT: 9.475 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 65 Resp: 16399

Ion	Ratio	Lower	Upper
65	100		
92	65.2	54.4	81.6
138	107.2	91.4	137.2

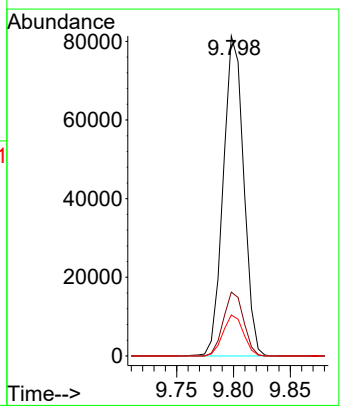


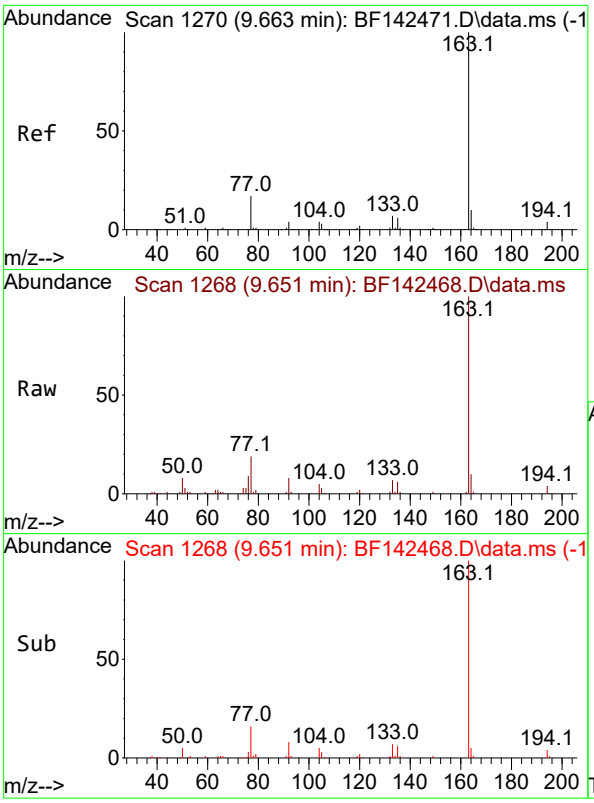


#49
Acenaphthylene
Concen: 5.330 ng
RT: 9.798 min Scan# 1293
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:152 Resp: 101686

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	12.8	10.6	15.8



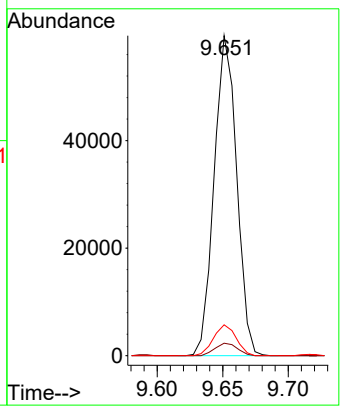


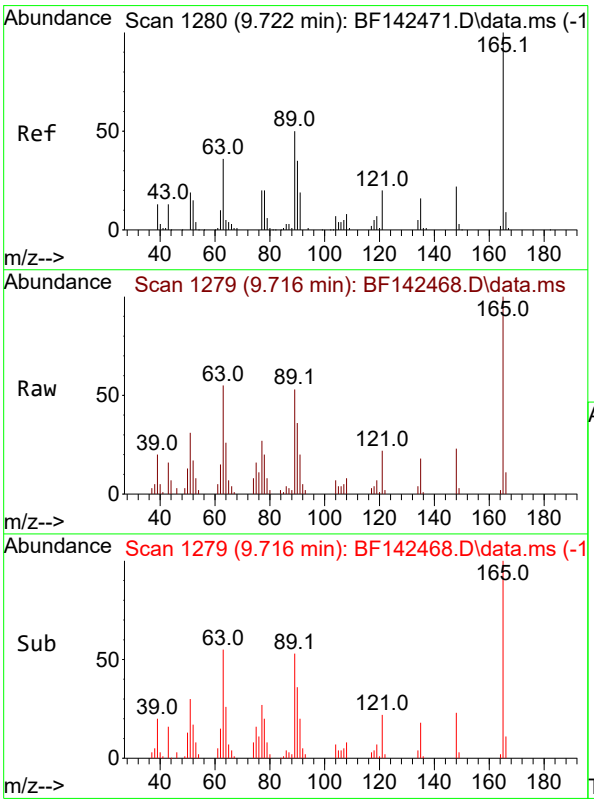
#50
Dimethylphthalate
Concen: 5.461 ng
RT: 9.651 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:163 Resp: 71020

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	9.7	8.2	12.4

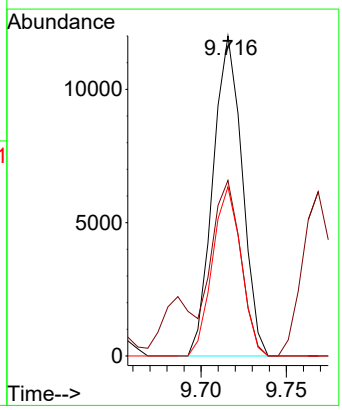


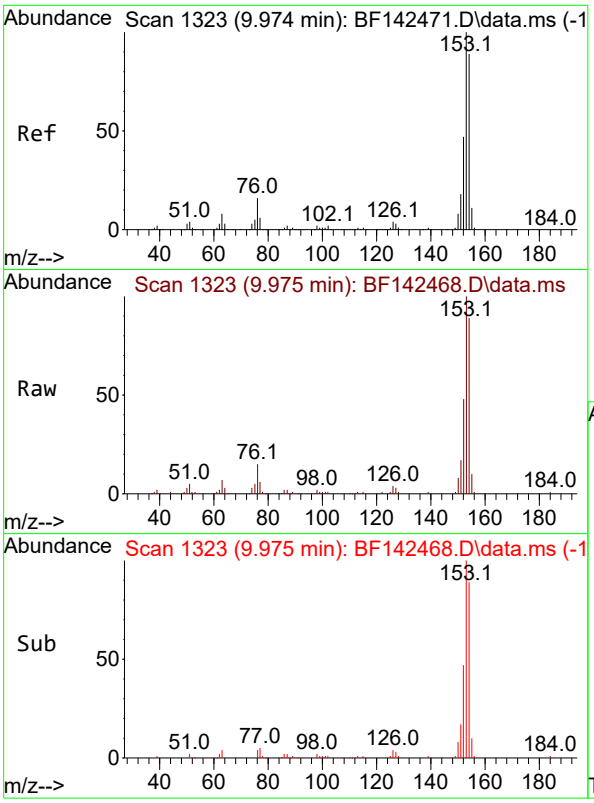


#51
2,6-Dinitrotoluene
Concen: 5.093 ng
RT: 9.716 min Scan# 1279
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:165 Resp: 14295

Ion	Ratio	Lower	Upper
165	100		
63	54.8	42.9	64.3
89	52.9	40.2	60.4



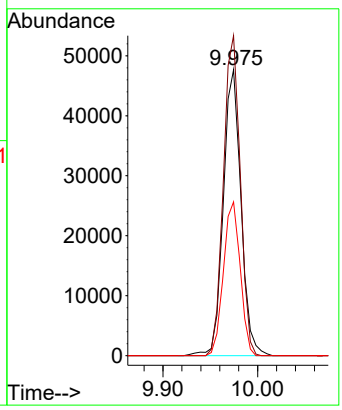


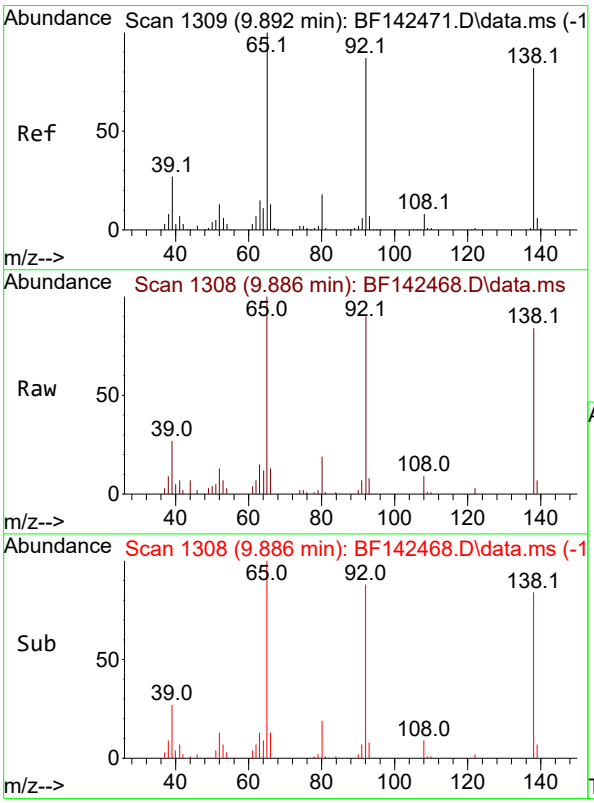
#52
Acenaphthene
Concen: 5.325 ng
RT: 9.975 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 62026

Ion	Ratio	Lower	Upper
154	100		
153	111.9	90.0	135.0
152	53.8	42.6	64.0

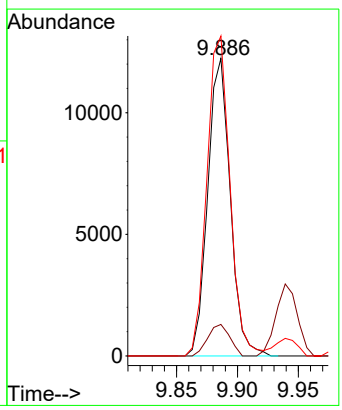


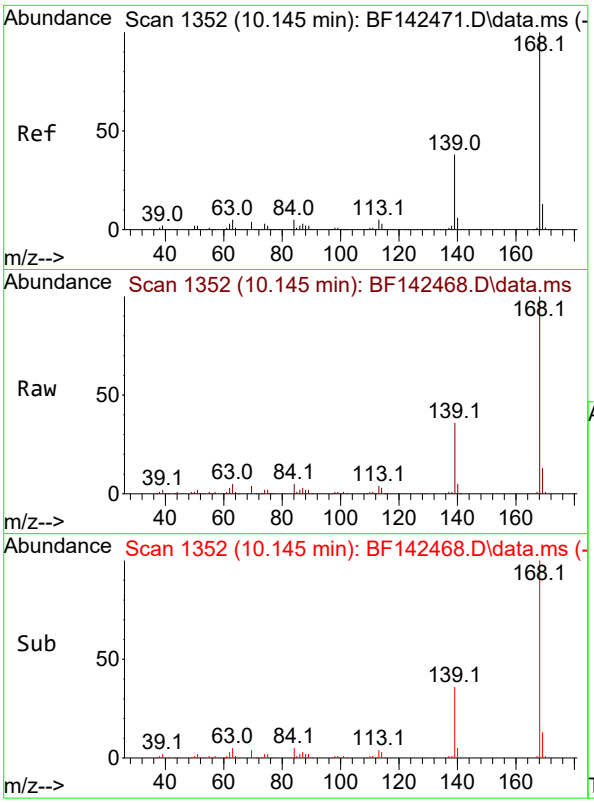


#53
3-Nitroaniline
Concen: 5.137 ng
RT: 9.886 min Scan# 1308
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:138 Resp: 15749

Ion	Ratio	Lower	Upper
138	100		
108	10.6	8.1	12.1
92	107.5	85.2	127.8



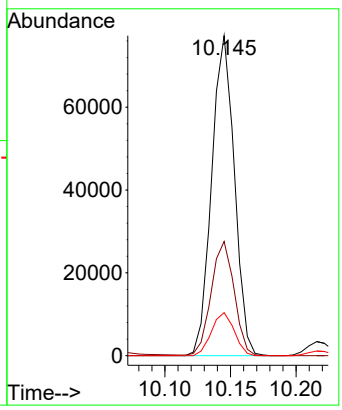


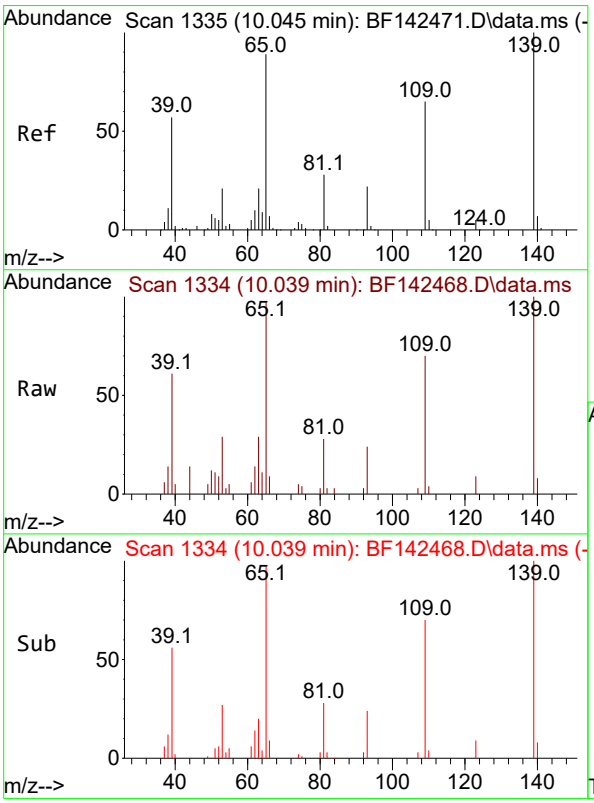
#55
Dibenzofuran
Concen: 5.545 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:168 Resp: 92955

Ion	Ratio	Lower	Upper
168	100		
139	35.7	30.2	45.2
169	13.5	10.7	16.1

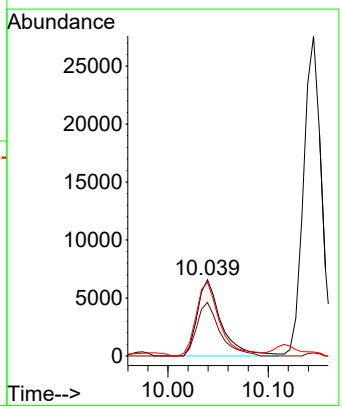


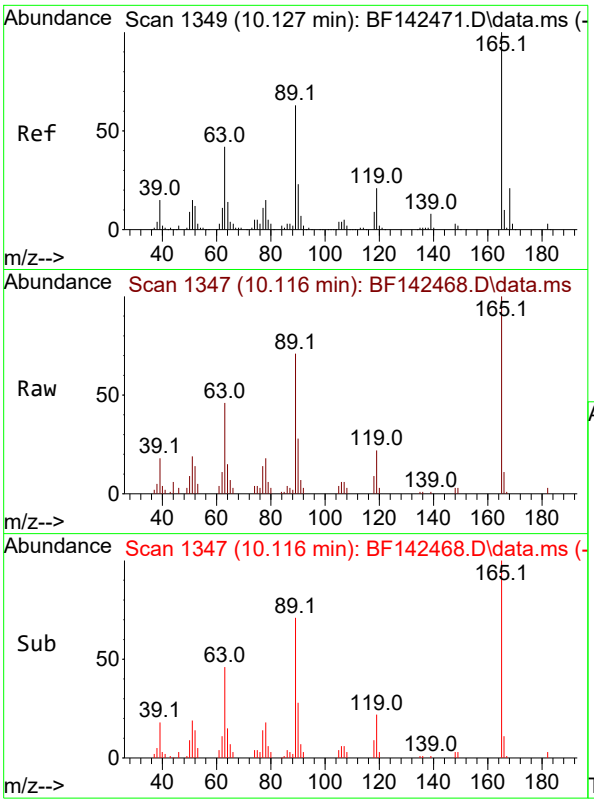


#56
4-Nitrophenol
Concen: 4.808 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:139 Resp: 10876

Ion	Ratio	Lower	Upper
139	100		
109	70.0	45.1	85.1
65	96.7	69.7	109.7



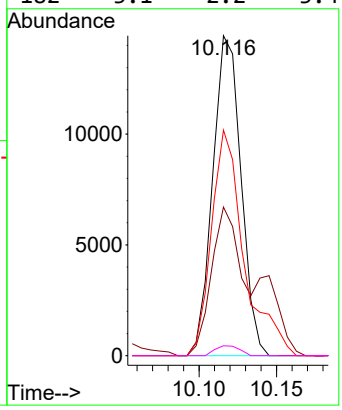


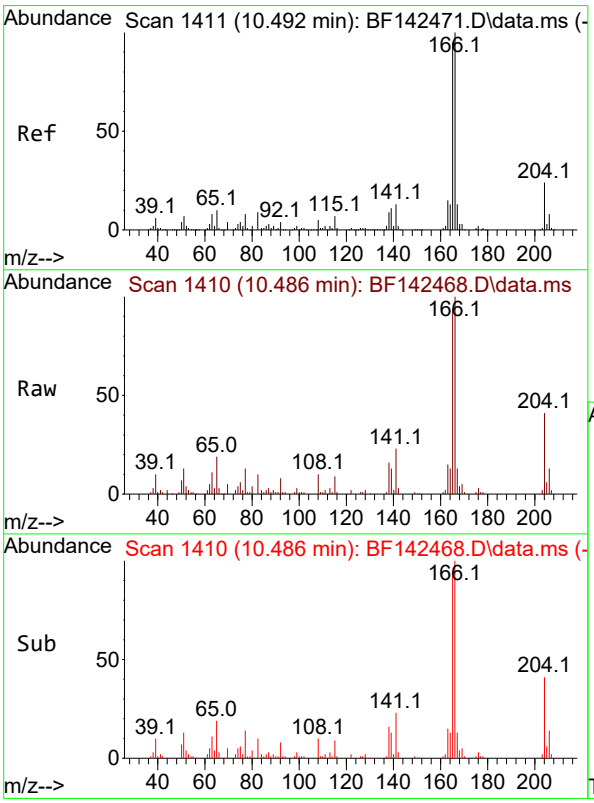
#57
2,4-Dinitrotoluene
Concen: 4.998 ng
RT: 10.116 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 18322

Ion	Ratio	Lower	Upper
165	100		
63	46.5	33.6	50.4
89	70.5	50.2	75.4
182	3.1	2.2	3.4

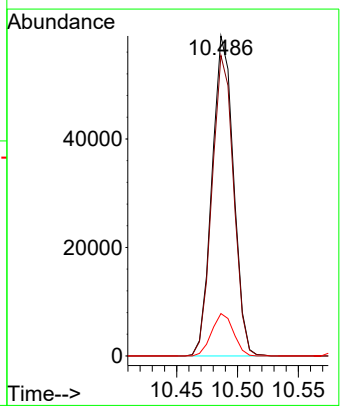


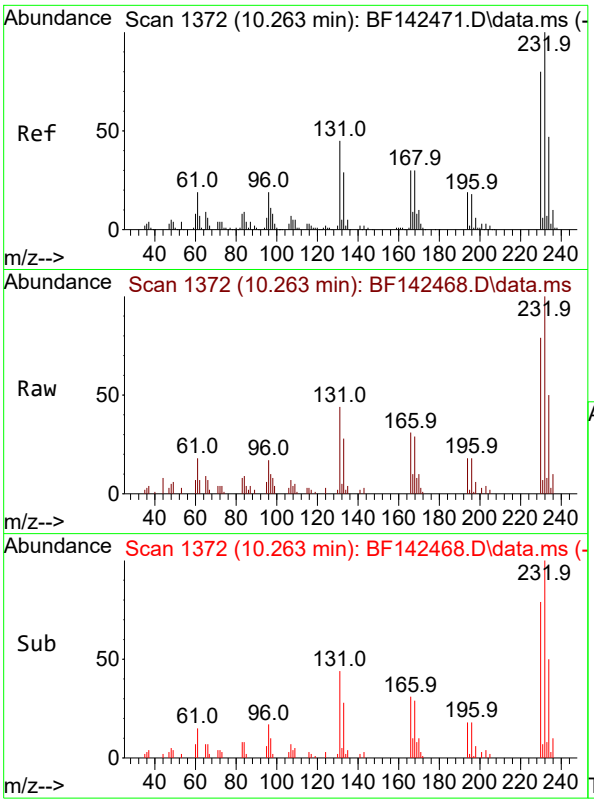


#58
Fluorene
Concen: 5.620 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:166 Resp: 72775

Ion	Ratio	Lower	Upper
166	100		
165	93.9	75.8	113.8
167	13.2	10.6	16.0



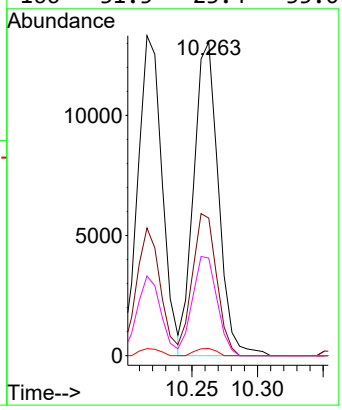


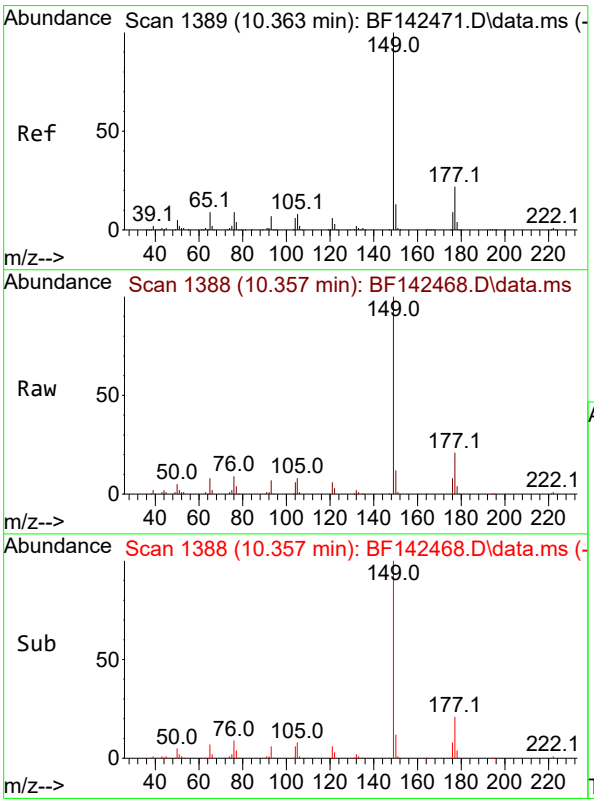
#59
2,3,4,6-Tetrachlorophenol
Concen: 5.090 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:232 Resp: 17096

Ion	Ratio	Lower	Upper
232	100		
131	44.4	35.2	52.8
130	1.9	1.7	2.5
166	31.5	23.4	35.0

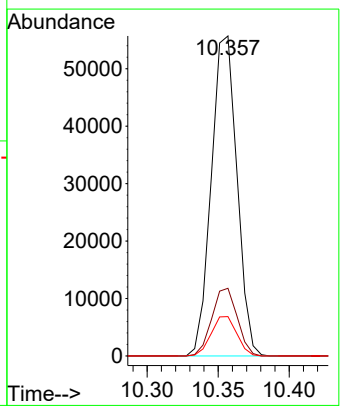


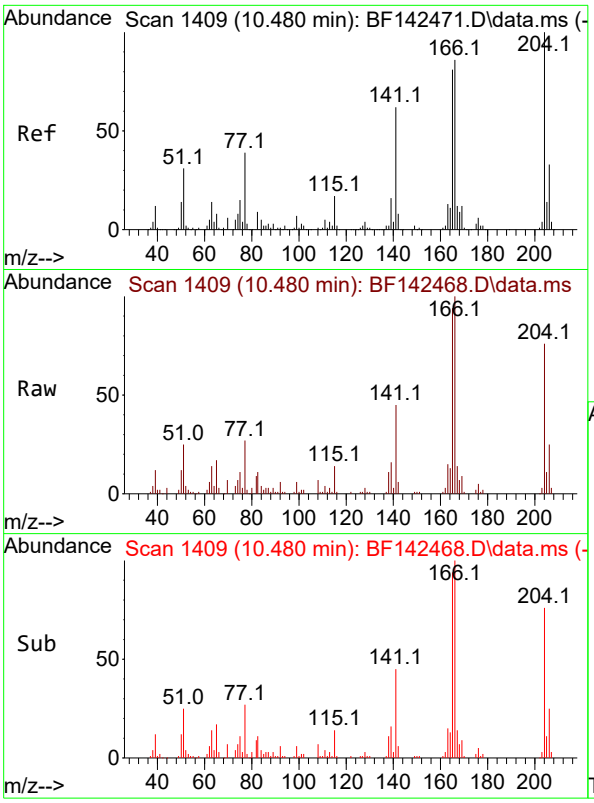


#60
Diethylphthalate
Concen: 5.515 ng
RT: 10.357 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:149 Resp: 70046

Ion	Ratio	Lower	Upper
149	100		
177	21.2	17.6	26.4
150	12.3	10.1	15.1



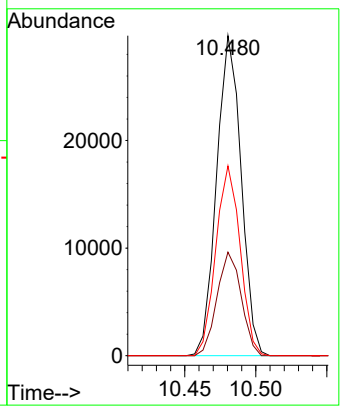


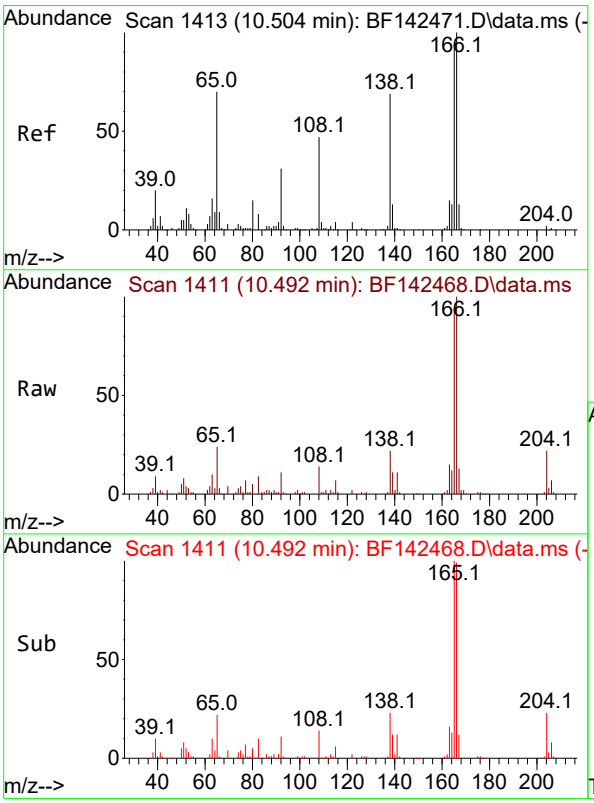
#61
4-Chlorophenyl-phenylether
Concen: 5.611 ng
RT: 10.480 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:204 Resp: 35694

Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.3	39.5
141	59.3	49.5	74.3

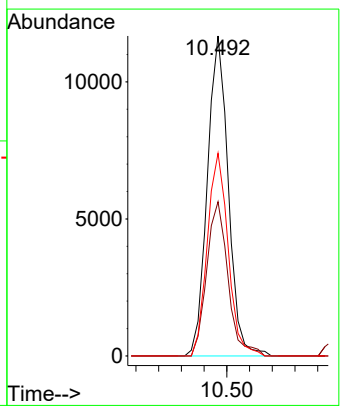


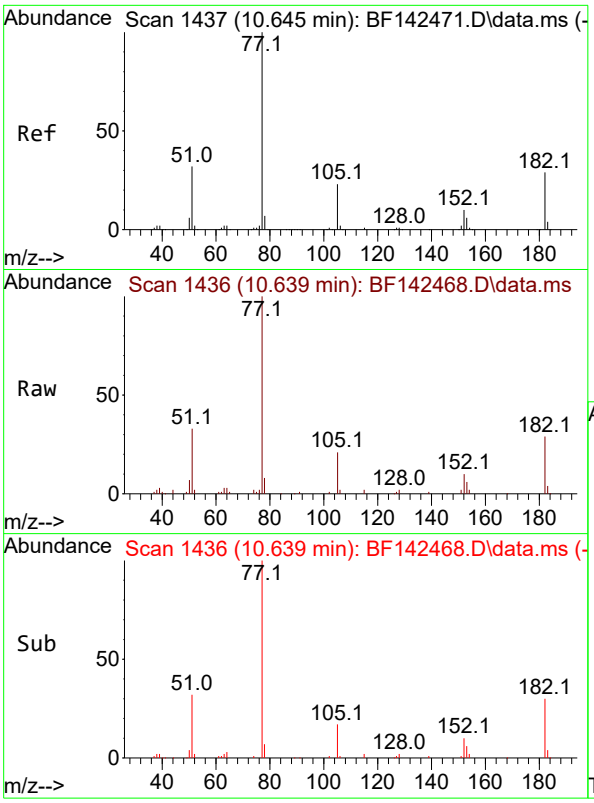


#62
4-Nitroaniline
Concen: 5.366 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.023 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:138 Resp: 14920

Ion	Ratio	Lower	Upper
138	100		
92	48.2	26.0	66.0
108	63.4	48.4	88.4



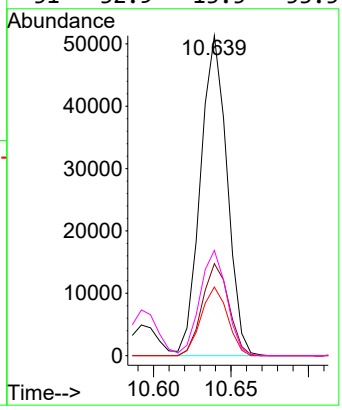


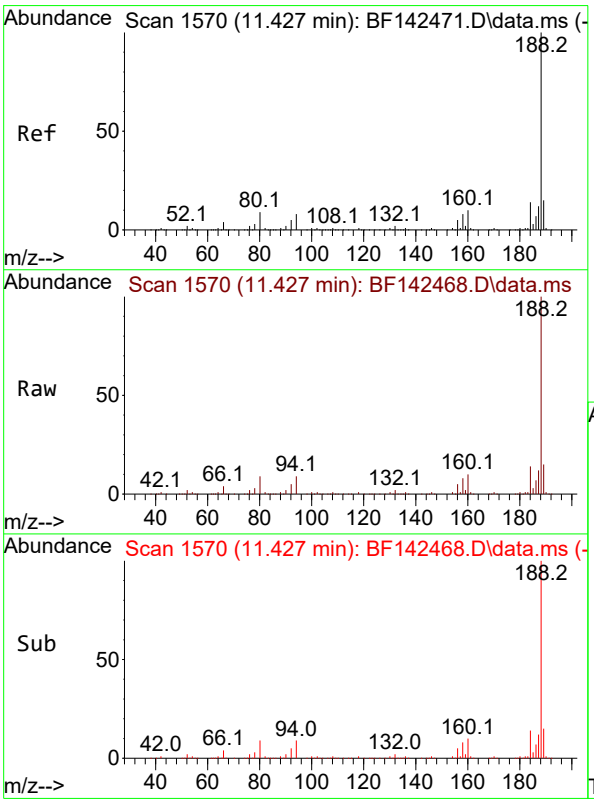
#63
Azobenzene
Concen: 5.351 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 61041

Ion	Ratio	Lower	Upper
77	100		
182	28.8	9.0	49.0
105	21.4	2.4	42.4
51	32.9	13.5	53.5

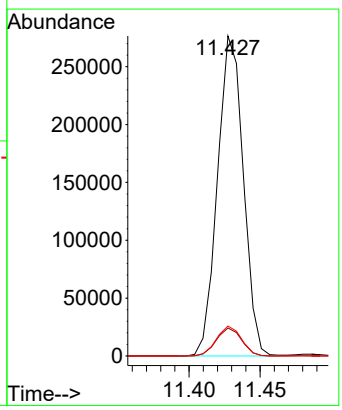


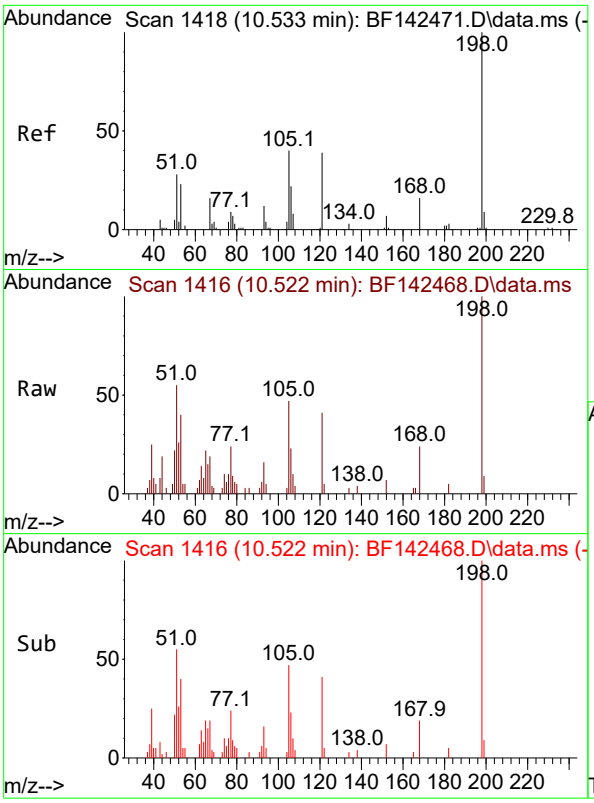


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:188 Resp: 349474

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.6	10.0
80	9.3	7.4	11.0



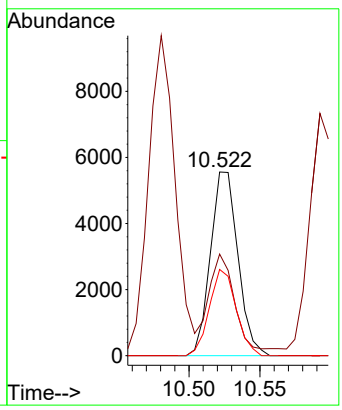


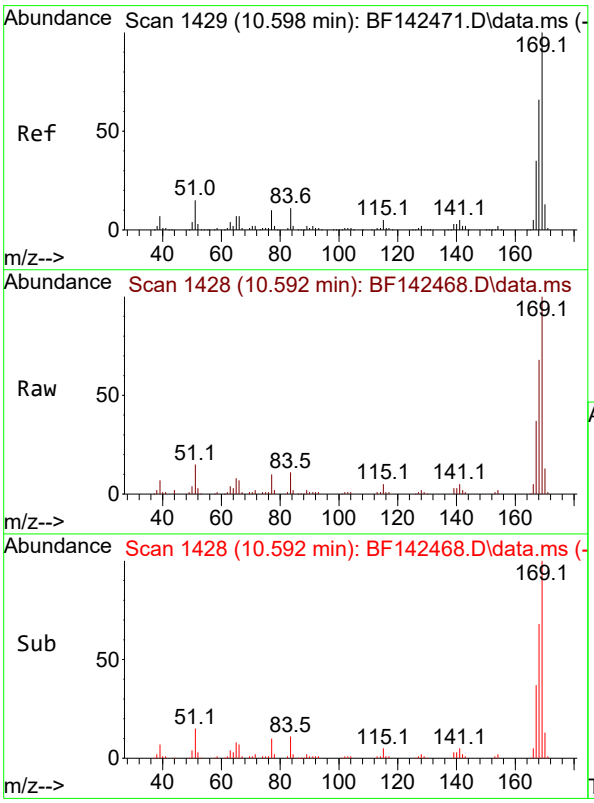
#65
4,6-Dinitro-2-methylphenol
Concen: 3.833 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:198 Resp: 7475

Ion	Ratio	Lower	Upper
198	100		
51	55.3	28.3	68.3
105	46.9	21.3	61.3

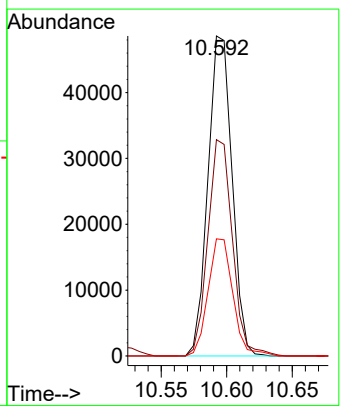


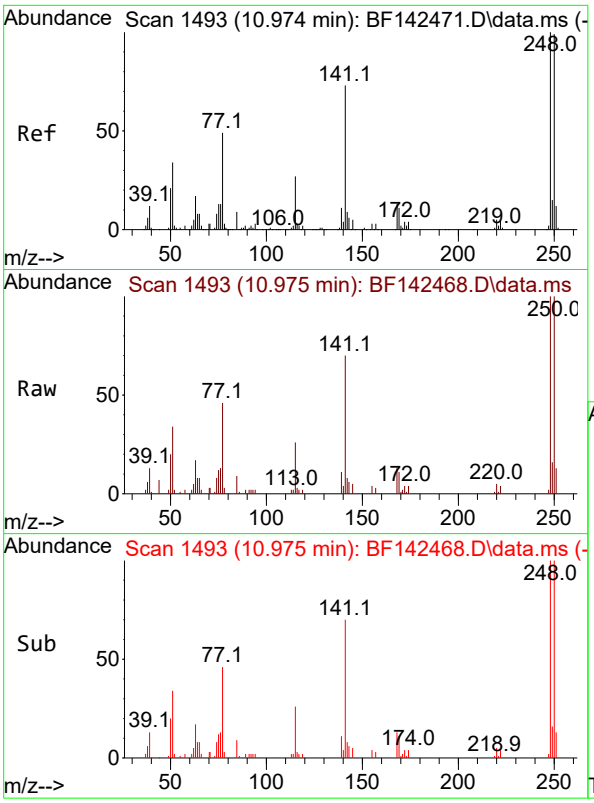


#66
n-Nitrosodiphenylamine
Concen: 5.204 ng
RT: 10.592 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:169 Resp: 62215

Ion	Ratio	Lower	Upper
169	100		
168	67.6	52.7	79.1
167	36.6	28.3	42.5



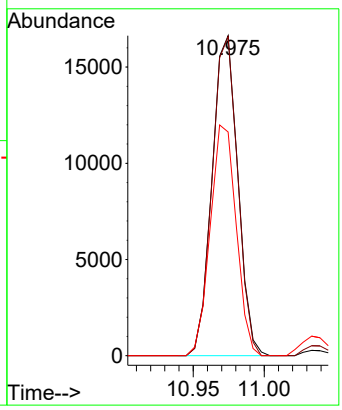


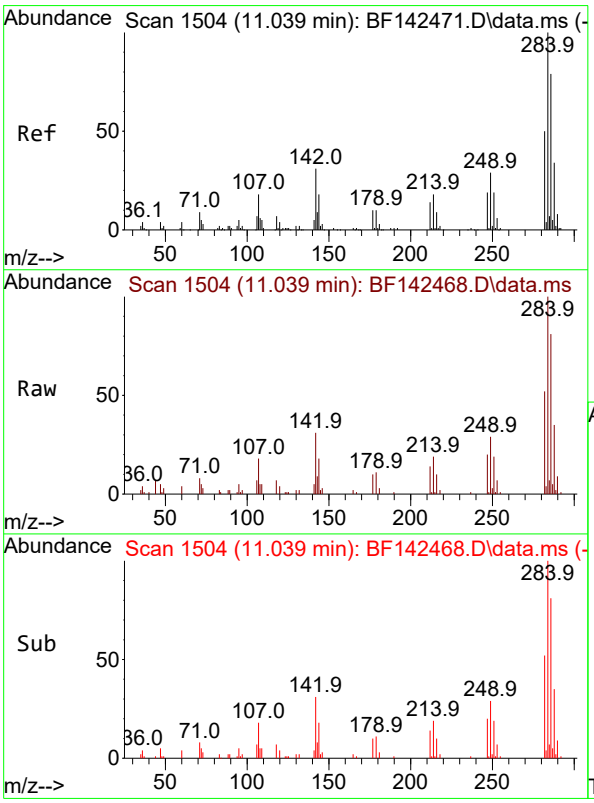
#67
4-Bromophenyl-phenylether
Concen: 5.076 ng
RT: 10.975 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:248 Resp: 20974

Ion	Ratio	Lower	Upper
248	100		
250	99.7	79.0	118.4
141	69.9	58.4	87.6

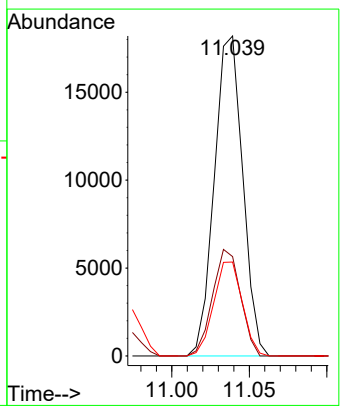


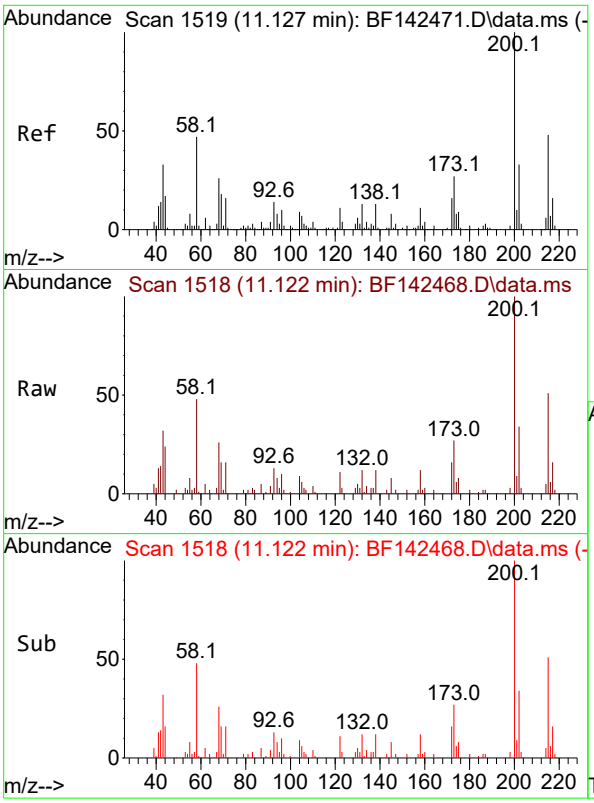


#68
Hexachlorobenzene
Concen: 5.067 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:284 Resp: 23159

Ion	Ratio	Lower	Upper
284	100		
142	31.1	24.8	37.2
249	29.4	23.6	35.4



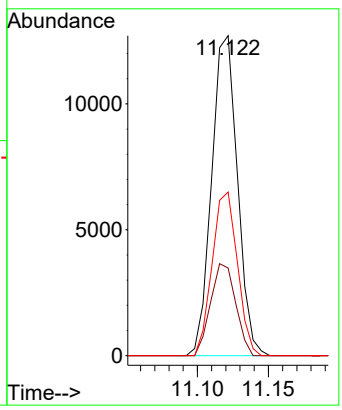


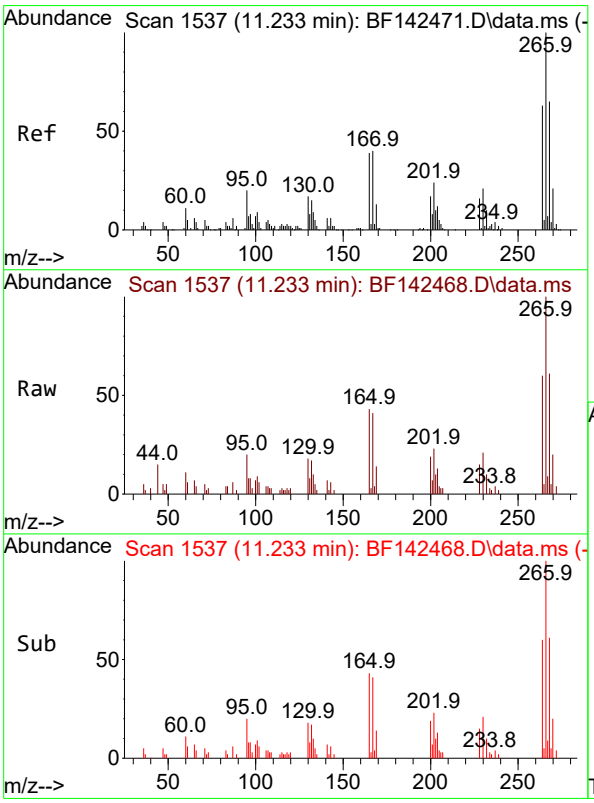
#69
Atrazine
Concen: 5.053 ng
RT: 11.122 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:200 Resp: 16045

Ion	Ratio	Lower	Upper
200	100		
173	27.4	7.4	47.4
215	51.1	28.5	68.5

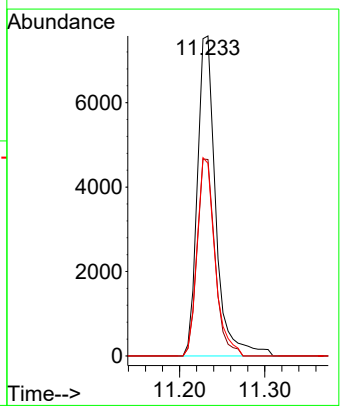


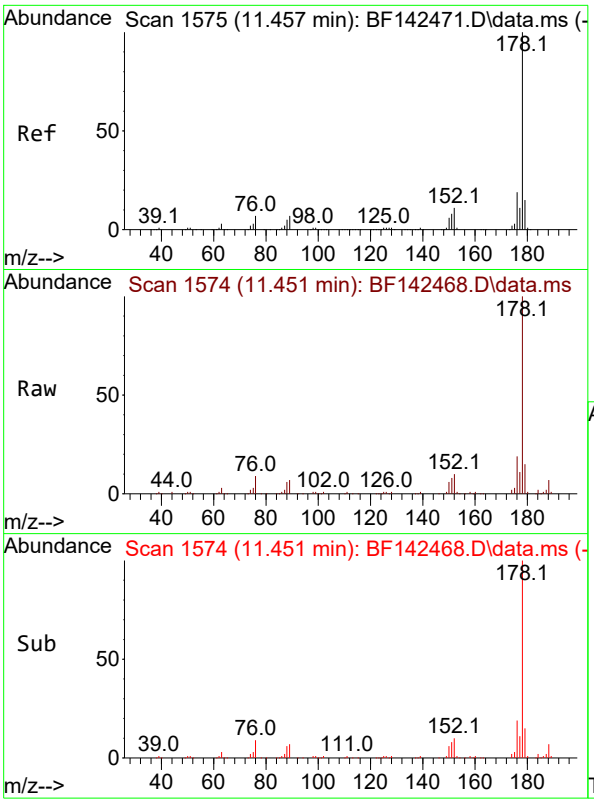


#70
Pentachlorophenol
Concen: 4.401 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:266 Resp: 11357

Ion	Ratio	Lower	Upper
266	100		
268	61.4	51.7	77.5
264	60.2	50.4	75.6



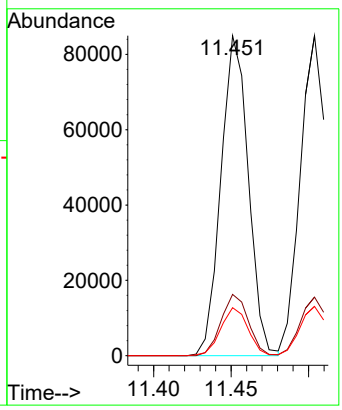


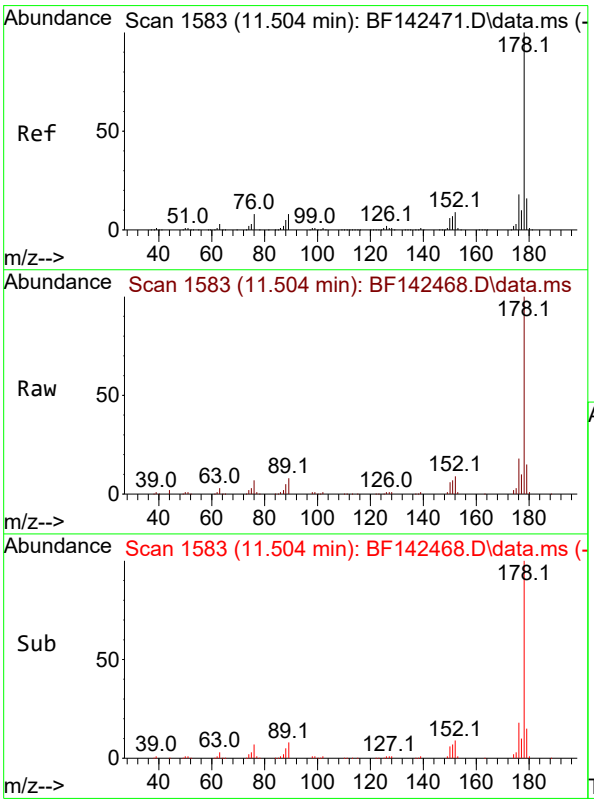
#71
Phenanthrene
Concen: 5.594 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 104484

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.0	12.3	18.5

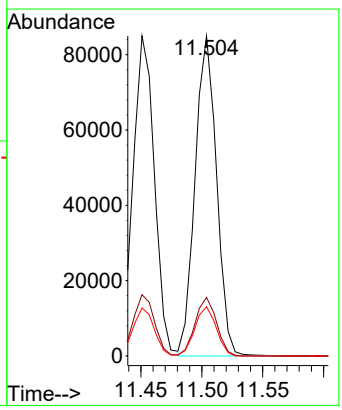


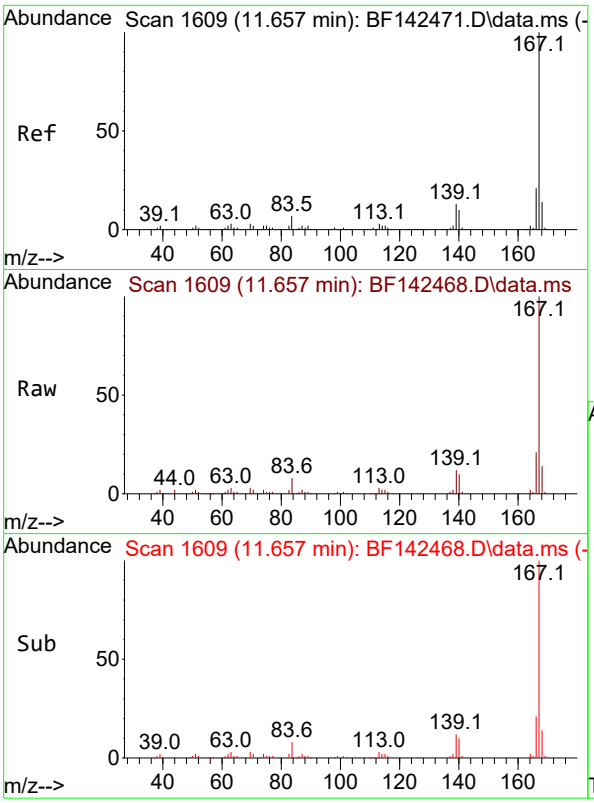


#72
Anthracene
Concen: 5.457 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:178 Resp: 104017

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	15.4	12.4	18.6



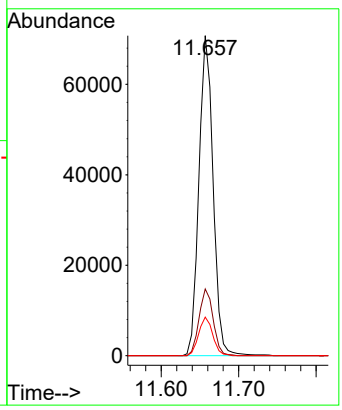


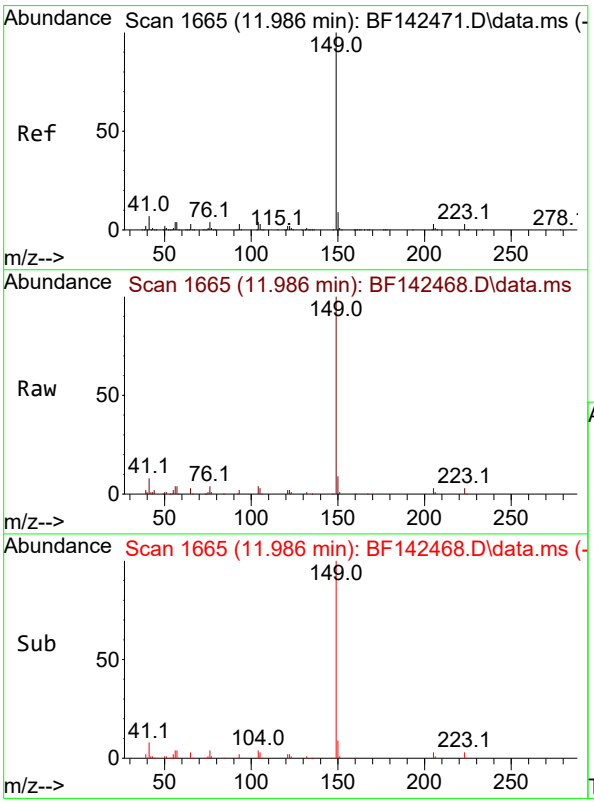
#73
Carbazole
Concen: 5.521 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:167 Resp: 89967

Ion	Ratio	Lower	Upper
167	100		
166	20.8	16.9	25.3
139	12.1	10.2	15.4

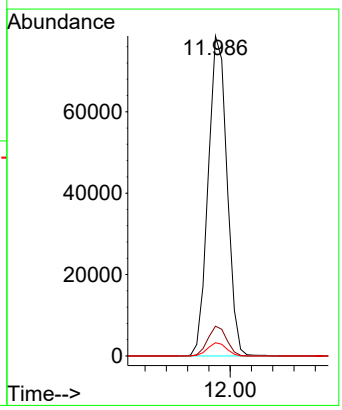


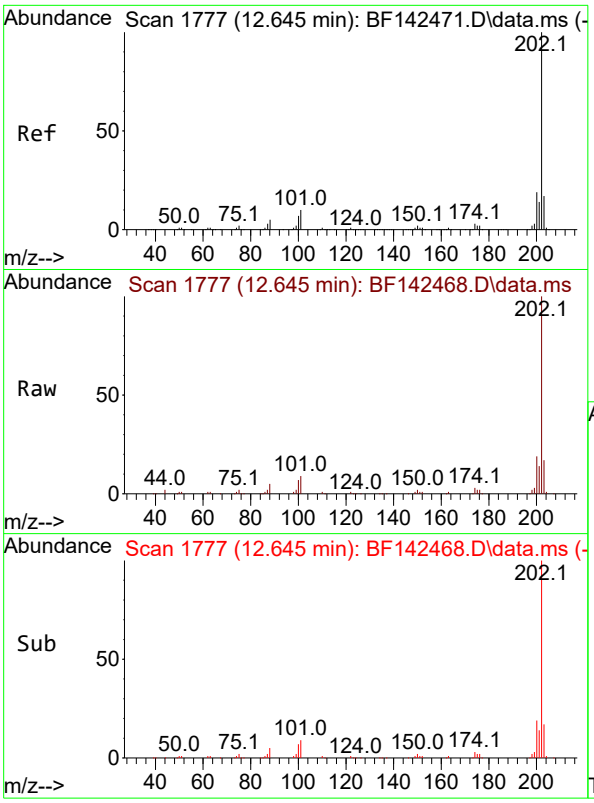


#74
Di-n-butylphthalate
Concen: 5.426 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:149 Resp: 96777

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	4.1	3.6	5.4



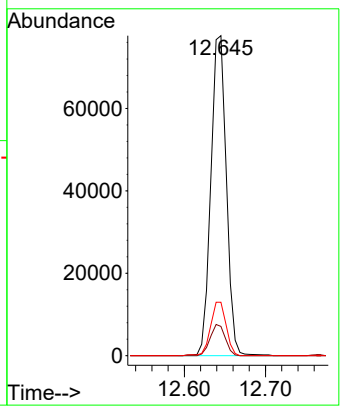


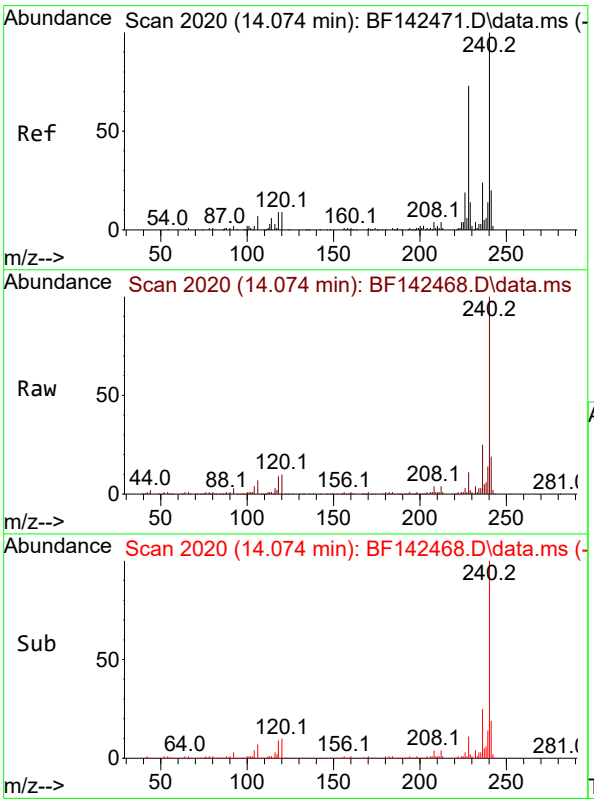
#75
Fluoranthene
Concen: 5.890 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 102797

Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	29.6
203	16.7	0.0	37.2

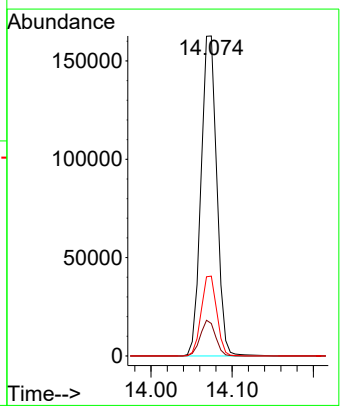


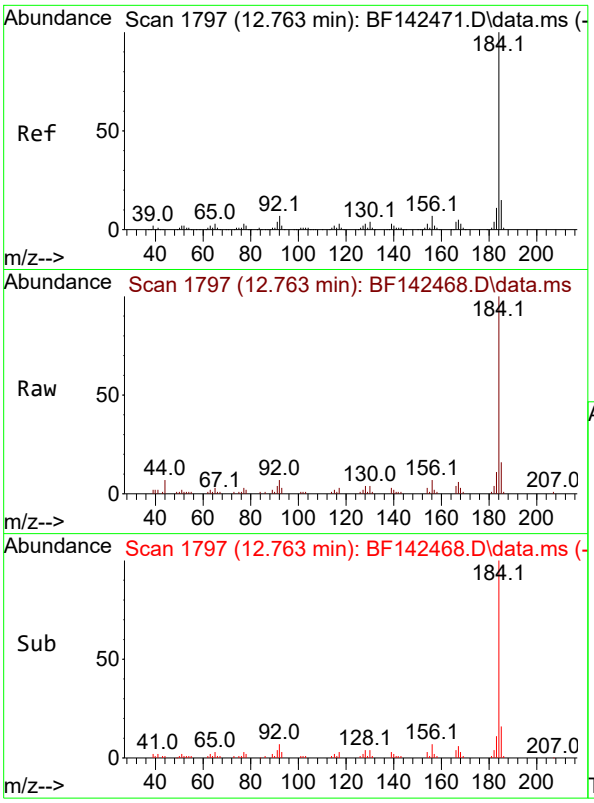


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:240 Resp: 218524

Ion	Ratio	Lower	Upper
240	100		
120	10.1	7.5	11.3
236	25.0	19.6	29.4



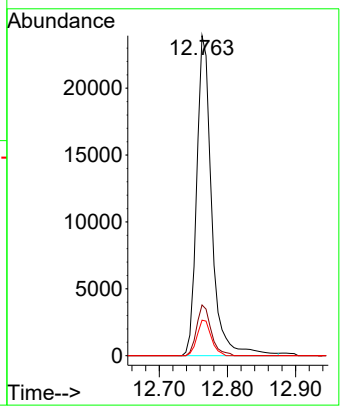


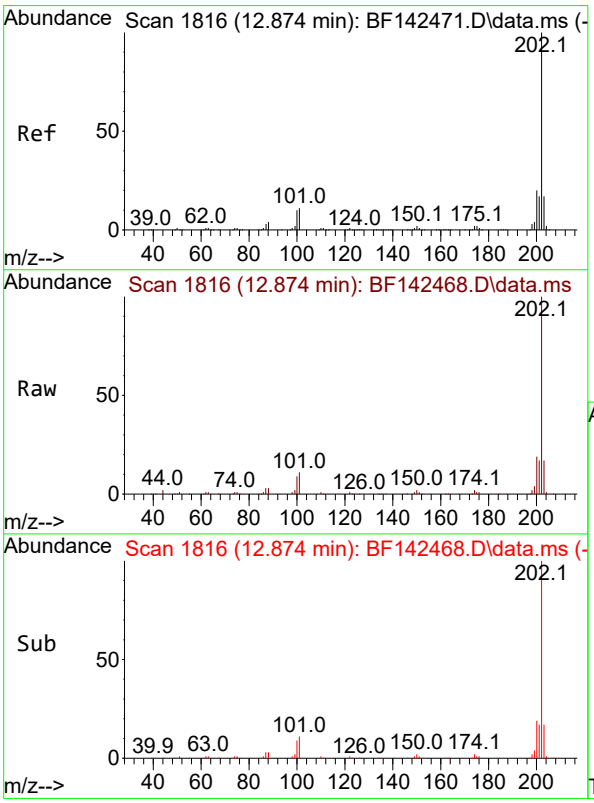
#77
Benzidine
Concen: 4.499 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:184 Resp: 36585

Ion	Ratio	Lower	Upper
184	100		
185	15.9	11.6	17.4
183	11.1	9.0	13.4

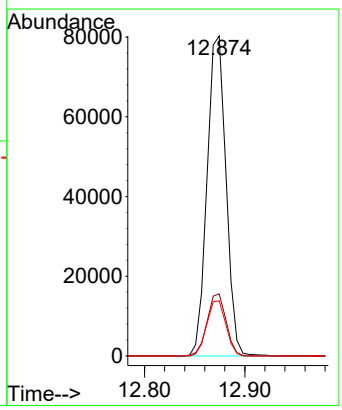


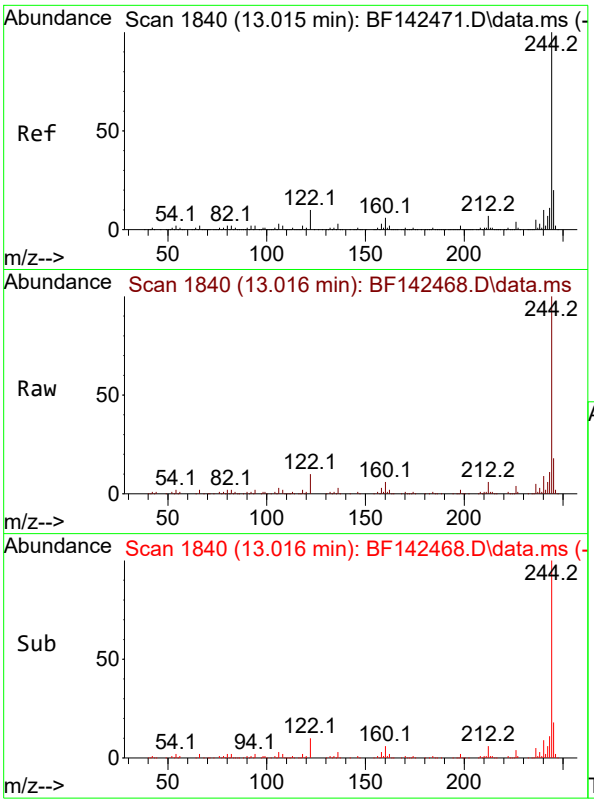


#78
Pyrene
Concen: 5.170 ng
RT: 12.874 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:202 Resp: 105394

Ion	Ratio	Lower	Upper
202	100		
200	19.4	16.1	24.1
203	17.2	13.9	20.9



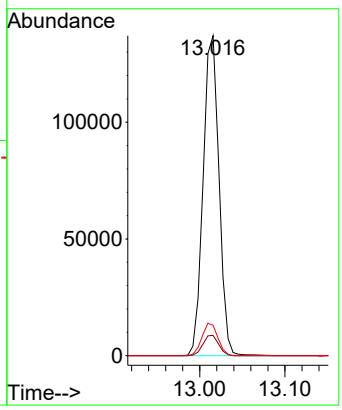


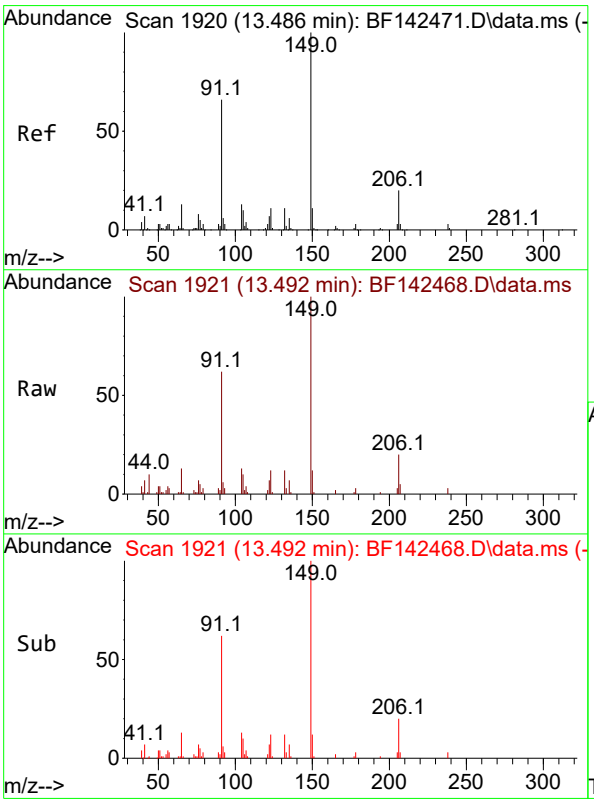
#79
Terphenyl-d14
Concen: 11.096 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:244 Resp: 177430

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.3	7.9
122	9.5	8.2	12.2

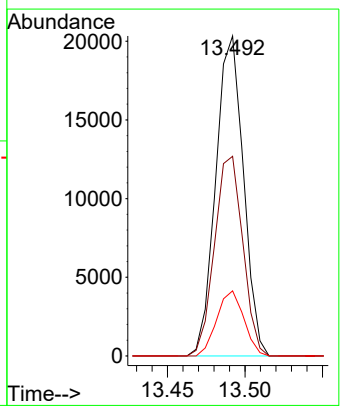


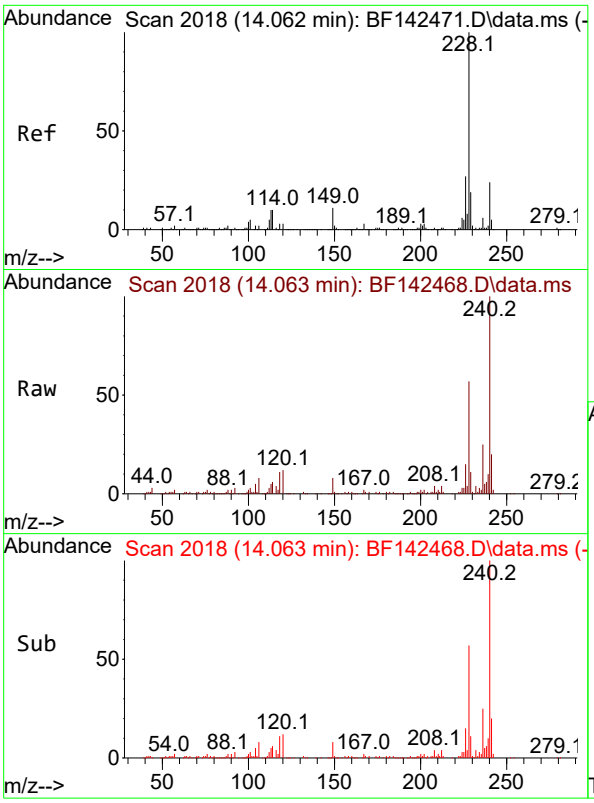


#80
Butylbenzylphthalate
Concen: 4.483 ng
RT: 13.492 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:149 Resp: 25251

Ion	Ratio	Lower	Upper
149	100		
91	62.4	52.9	79.3
206	20.3	16.2	24.2



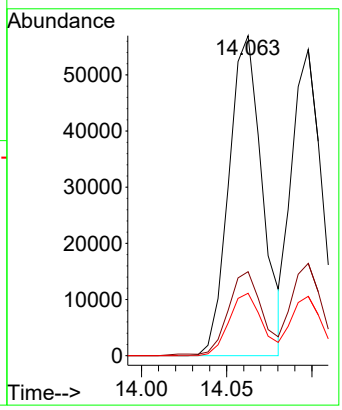


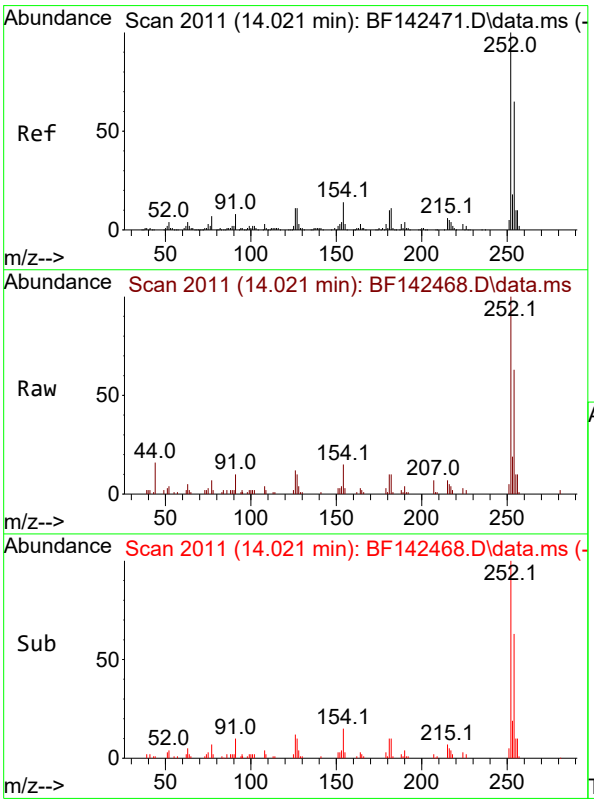
#81
Benzo(a)anthracene
Concen: 5.332 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 77800

Ion	Ratio	Lower	Upper
228	100		
226	26.2	21.2	31.8
229	19.5	15.5	23.3

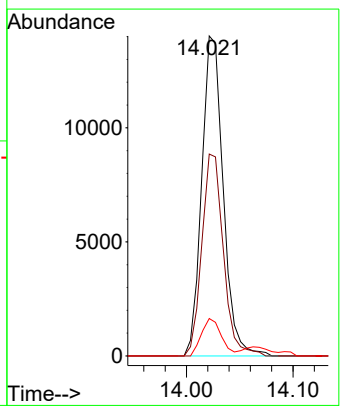


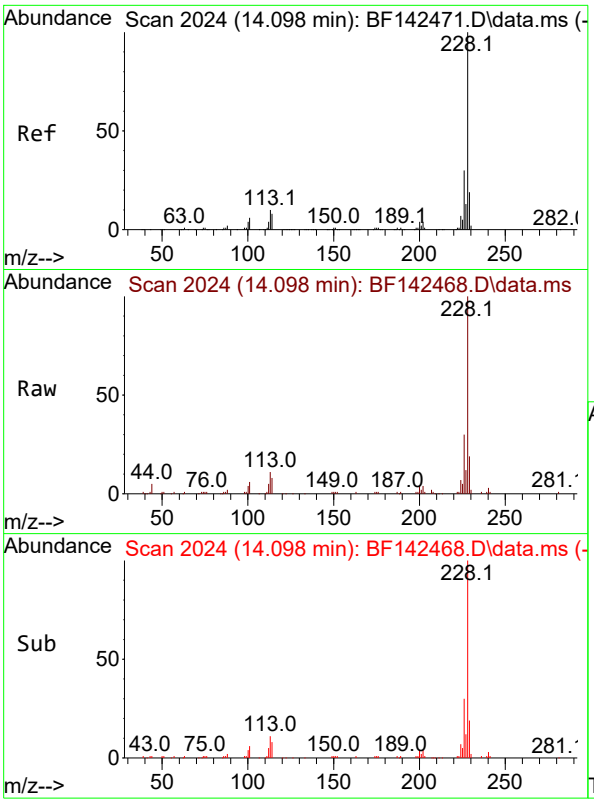


#82
3,3'-Dichlorobenzidine
Concen: 4.445 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:252 Resp: 19673

Ion	Ratio	Lower	Upper
252	100		
254	63.1	52.0	78.0
126	11.7	8.9	13.3



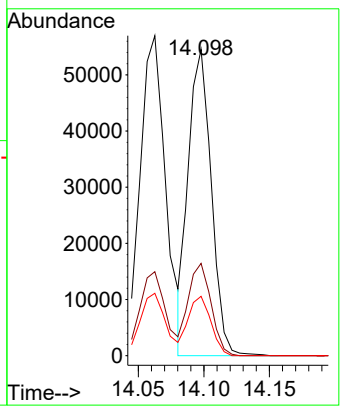


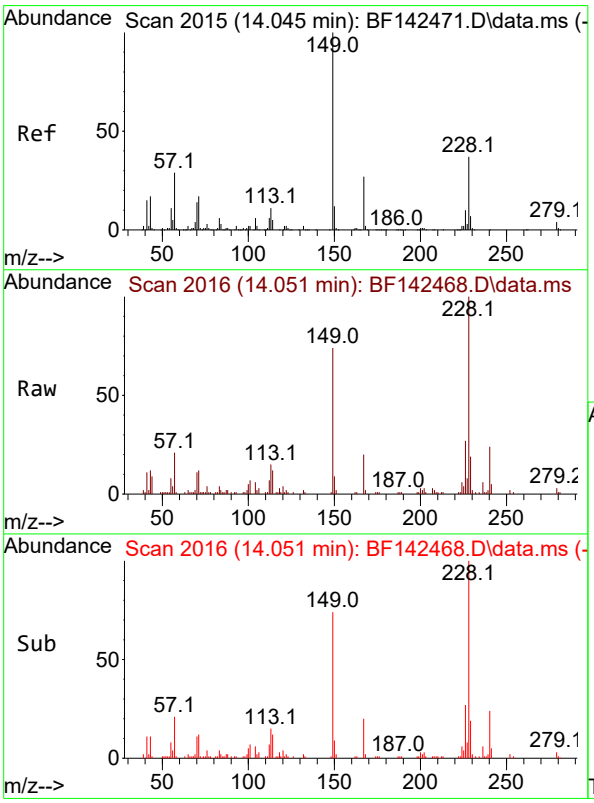
#83
Chrysene
Concen: 5.092 ng
RT: 14.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 66761

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.8	35.6
229	19.4	15.4	23.2

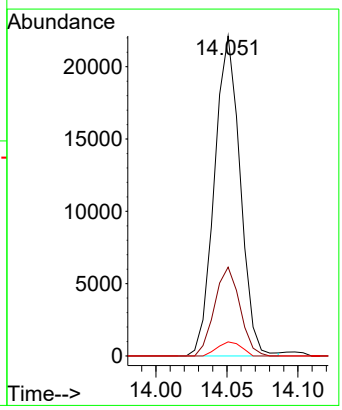


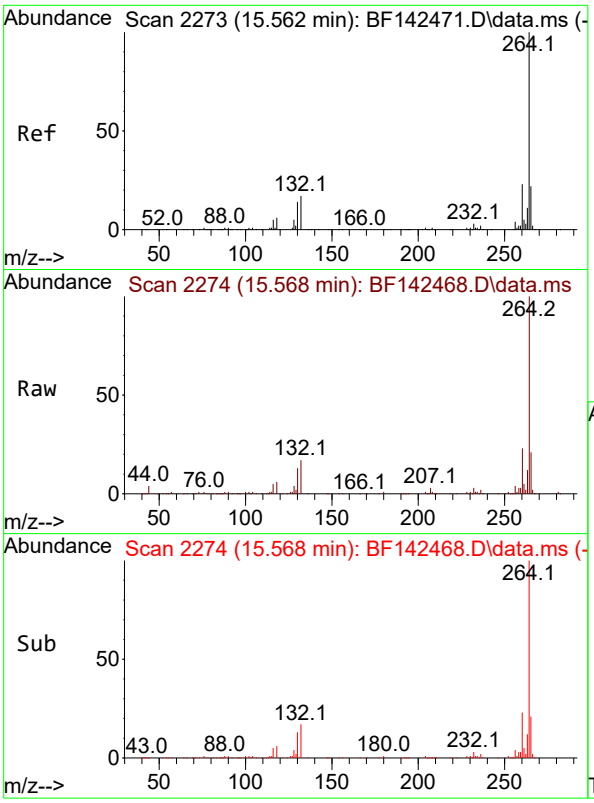


#84
Bis(2-ethylhexyl)phthalate
Concen: 3.864 ng
RT: 14.051 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:149 Resp: 27864

Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.5	32.3
279	4.4	3.2	4.8



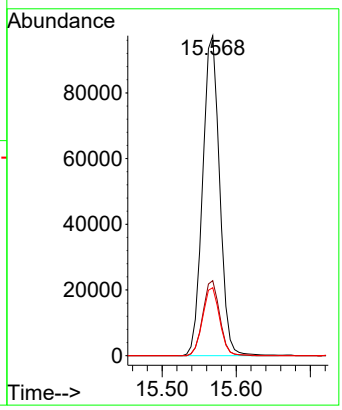


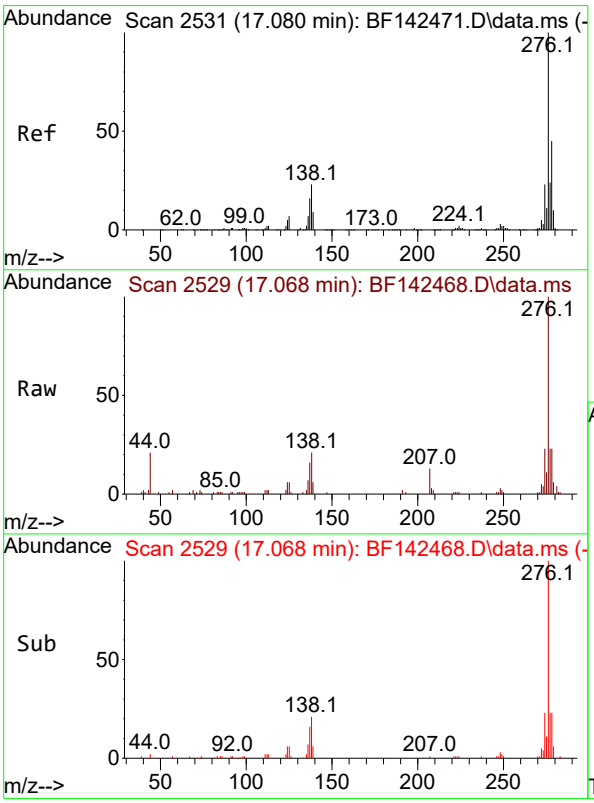
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:264 Resp: 154887

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.3	17.7	26.5

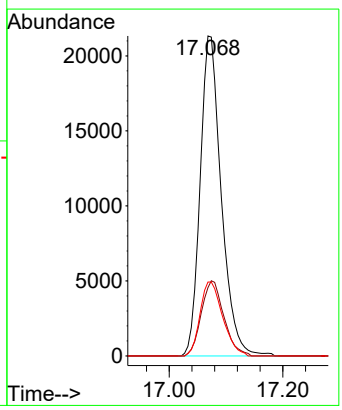


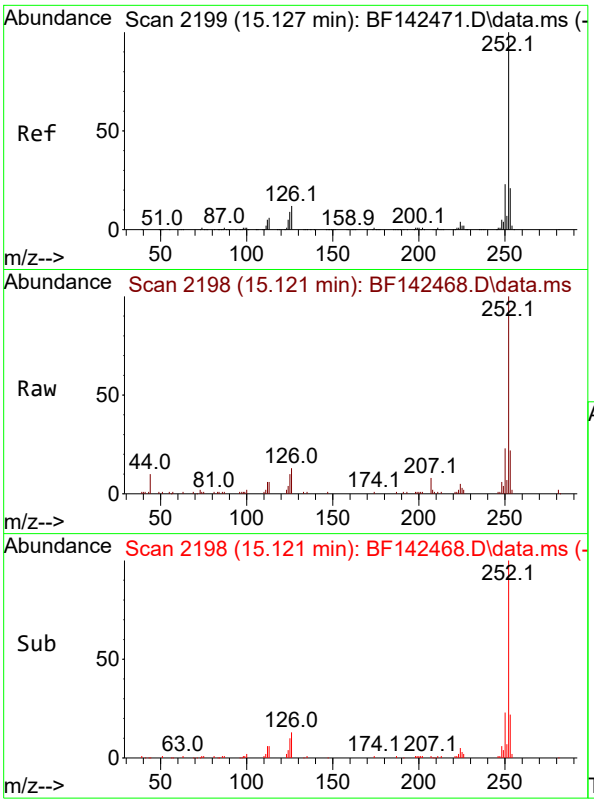


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.733 ng
RT: 17.068 min Scan# 2529
Delta R.T. -0.023 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:276 Resp: 55034

Ion	Ratio	Lower	Upper
276	100		
138	25.1	19.9	29.9
277	24.8	20.2	30.2



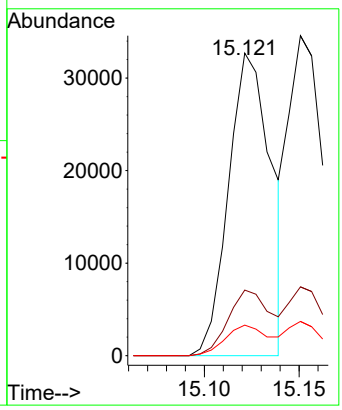


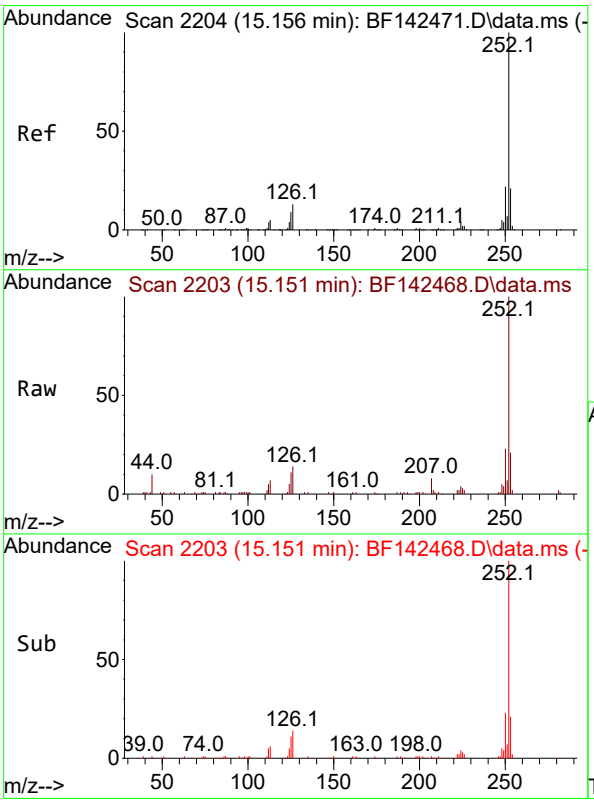
#88
Benzo(b)fluoranthene
Concen: 5.565 ng
RT: 15.121 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 51014

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.0	25.4
125	10.1	7.4	11.0

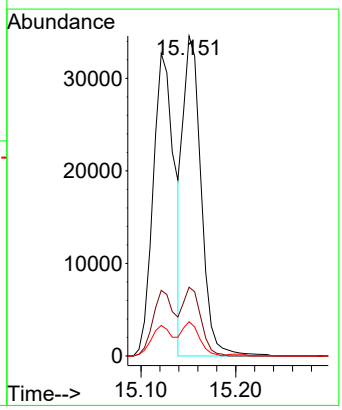


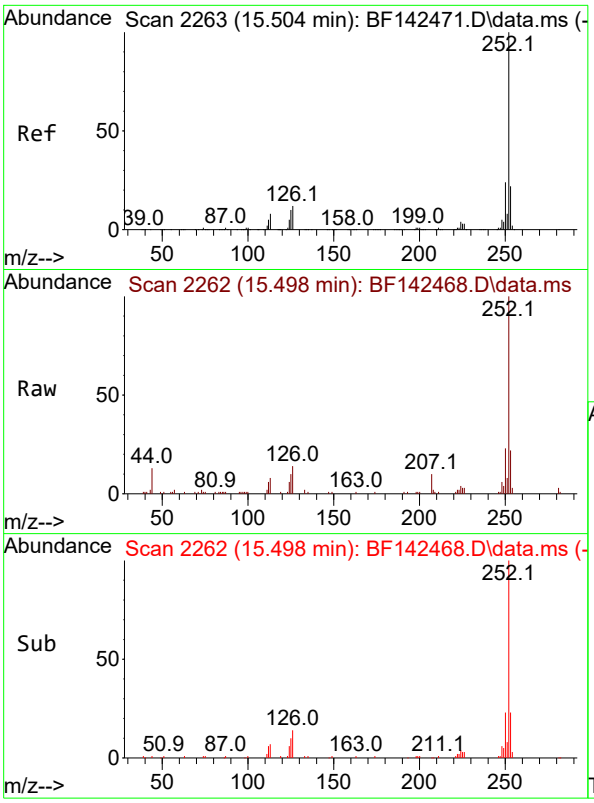


#89
Benzo(k)fluoranthene
Concen: 5.371 ng
RT: 15.151 min Scan# 2203
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:252 Resp: 46114

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.0	25.4
125	10.7	7.3	10.9



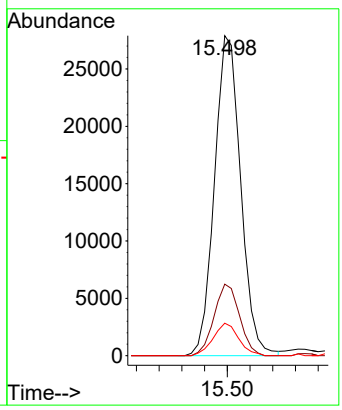


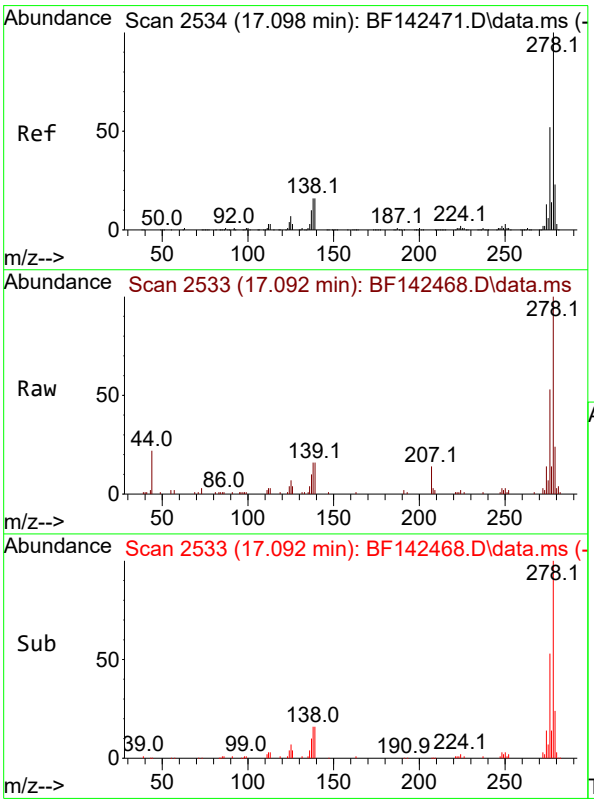
#90
Benzo(a)pyrene
Concen: 5.172 ng
RT: 15.498 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 44694

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.0
125	10.1	7.9	11.9

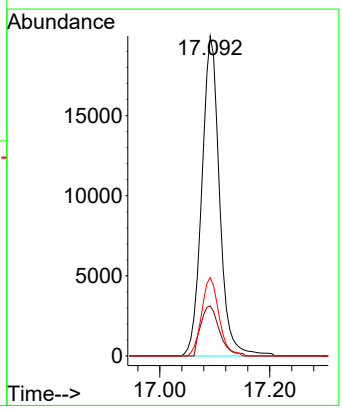


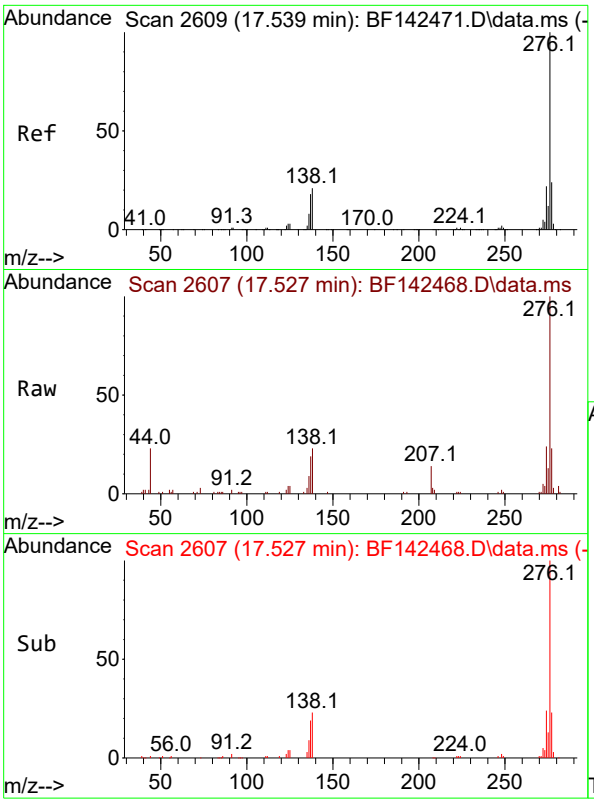


#91
Dibenzo(a,h)anthracene
Concen: 4.731 ng
RT: 17.092 min Scan# 2533
Delta R.T. -0.023 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:278 Resp: 44618

Ion	Ratio	Lower	Upper
278	100		
139	15.6	12.8	19.2
279	24.4	18.6	28.0



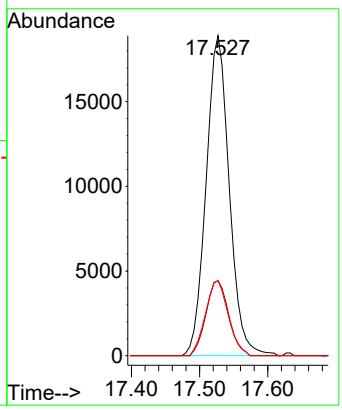


#92
Benzo(g,h,i)perylene
Concen: 4.737 ng
RT: 17.527 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 44684

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.2	28.8
138	23.5	16.8	25.2



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142469.D
Acq On : 20 May 2025 13:07
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: May 20 16:55:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.898	152	93167	20.000	ng		0.00
21) Naphthalene-d8	8.187	136	365488	20.000	ng		0.00
39) Acenaphthene-d10	9.939	164	205654	20.000	ng		0.00
64) Phenanthrene-d10	11.428	188	357871	20.000	ng		0.00
76) Chrysene-d12	14.069	240	197144	20.000	ng		0.00
86) Perylene-d12	15.563	264	160066	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	113098	20.452	ng		-0.01
7) Phenol-d6	6.516	99	134953	20.273	ng		-0.02
23) Nitrobenzene-d5	7.457	82	133256	19.881	ng		-0.02
42) 2,4,6-Tribromophenol	10.728	330	46280	20.276	ng		-0.01
45) 2-Fluorobiphenyl	9.257	172	332871	21.719	ng		-0.01
79) Terphenyl-d14	13.010	244	311785	21.612	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.669	88	21412	9.676	ng		99
3) Pyridine	3.440	79	53586	9.509	ng		97
4) n-Nitrosodimethylamine	3.369	42	27624	9.441	ng	#	97
6) Aniline	6.557	93	87993	9.831	ng		99
8) 2-Chlorophenol	6.681	128	60216	9.997	ng		100
9) Benzaldehyde	6.446	77	45431	11.347	ng		98
10) Phenol	6.528	94	75527	10.083	ng		97
11) bis(2-Chloroethyl)ether	6.628	93	53797	9.978	ng		99
12) 1,3-Dichlorobenzene	6.840	146	68483	10.189	ng		98
13) 1,4-Dichlorobenzene	6.916	146	68774	10.158	ng		98
14) 1,2-Dichlorobenzene	7.069	146	65441	10.102	ng		99
15) Benzyl Alcohol	7.034	79	47712	9.699	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.175	45	92128	10.175	ng		100
17) 2-Methylphenol	7.140	107	46205	9.825	ng		98
18) Hexachloroethane	7.416	117	23425	9.909	ng		98
19) n-Nitroso-di-n-propyla...	7.298	70	40995	9.937	ng		96
20) 3+4-Methylphenols	7.293	107	61444	10.203	ng	#	86
22) Acetophenone	7.304	105	82804	10.234	ng		98
24) Nitrobenzene	7.475	77	59873	9.904	ng		98
25) Isophorone	7.716	82	112365	10.027	ng		98
26) 2-Nitrophenol	7.798	139	31085	9.623	ng		96
27) 2,4-Dimethylphenol	7.828	122	57543	10.102	ng		99
28) bis(2-Chloroethoxy)met...	7.928	93	71943	10.277	ng		97
29) 2,4-Dichlorophenol	8.034	162	51500	9.941	ng		99
30) 1,2,4-Trichlorobenzene	8.122	180	57228	10.179	ng		97
31) Naphthalene	8.204	128	186515	10.364	ng		100
32) Benzoic acid	7.893	122	27956m	8.062	ng		
33) 4-Chloroaniline	8.251	127	74805	10.258	ng		98
34) Hexachlorobutadiene	8.322	225	35161	10.016	ng		99
35) Caprolactam	8.587	113	13862	9.527	ng		99
36) 4-Chloro-3-methylphenol	8.722	107	52919	9.968	ng		98
37) 2-Methylnaphthalene	8.892	142	116592	10.298	ng		98
38) 1-Methylnaphthalene	8.992	142	122130	10.429	ng		99
40) 1,2,4,5-Tetrachloroben...	9.063	216	59609	10.097	ng		99
41) Hexachlorocyclopentadiene	9.051	237	36016	9.044	ng		97
43) 2,4,6-Trichlorophenol	9.169	196	38354	9.635	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142469.D
Acq On : 20 May 2025 13:07
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: May 20 16:55:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	42272	10.069	ng		96
46) 1,1'-Biphenyl	9.357	154	165063	10.346	ng		99
47) 2-Chloronaphthalene	9.387	162	120339	10.208	ng		96
48) 2-Nitroaniline	9.475	65	32722	9.604	ng		98
49) Acenaphthylene	9.798	152	203767	10.237	ng		99
50) Dimethylphthalate	9.651	163	137804	10.155	ng		100
51) 2,6-Dinitrotoluene	9.716	165	29112	9.940	ng		98
52) Acenaphthene	9.975	154	125669	10.339	ng		96
53) 3-Nitroaniline	9.887	138	31820	9.947	ng		99
54) 2,4-Dinitrophenol	9.992	184	11352	7.502	ng	#	82
55) Dibenzofuran	10.145	168	181558	10.380	ng		98
56) 4-Nitrophenol	10.034	139	22320	9.456	ng		92
57) 2,4-Dinitrotoluene	10.116	165	37749	9.869	ng		97
58) Fluorene	10.486	166	143883	10.648	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	34548	9.857	ng		99
60) Diethylphthalate	10.357	149	134662	10.161	ng		99
61) 4-Chlorophenyl-phenyle...	10.481	204	69739	10.506	ng		97
62) 4-Nitroaniline	10.492	138	29122	10.038	ng		98
63) Azobenzene	10.639	77	122806	10.317	ng		99
65) 4,6-Dinitro-2-methylph...	10.522	198	16782	8.403	ng		94
66) n-Nitrosodiphenylamine	10.592	169	121959	9.961	ng		100
67) 4-Bromophenyl-phenylether	10.969	248	42057	9.939	ng		96
68) Hexachlorobenzene	11.034	284	47773	10.207	ng		98
69) Atrazine	11.116	200	31184	9.591	ng		98
70) Pentachlorophenol	11.228	266	24115	9.126	ng		99
71) Phenanthrene	11.451	178	195667	10.231	ng		100
72) Anthracene	11.504	178	202509	10.375	ng		99
73) Carbazole	11.657	167	173217	10.381	ng		100
74) Di-n-butylphthalate	11.986	149	185880	10.177	ng		100
75) Fluoranthene	12.639	202	193456	10.825	ng		99
77) Benzidine	12.763	184	77091	10.508	ng		99
78) Pyrene	12.869	202	193842	10.540	ng		100
80) Butylbenzylphthalate	13.486	149	44682	8.793	ng		97
81) Benzo(a)anthracene	14.057	228	126886	9.639	ng		99
82) 3,3'-Dichlorobenzidine	14.022	252	35845	8.977	ng		99
83) Chrysene	14.092	228	118674	10.032	ng		99
84) Bis(2-ethylhexyl)phtha...	14.045	149	54056	8.310	ng		98
85) Di-n-octyl phthalate	14.663	149	94445	7.425	ng		100
87) Indeno(1,2,3-cd)pyrene	17.068	276	119642	9.956	ng		99
88) Benzo(b)fluoranthene	15.121	252	88432	9.335	ng		98
89) Benzo(k)fluoranthene	15.151	252	93315	10.517	ng		99
90) Benzo(a)pyrene	15.498	252	86477	9.684	ng		100
91) Dibenzo(a,h)anthracene	17.086	278	98308	10.087	ng		98
92) Benzo(g,h,i)perylene	17.521	276	97640	10.016	ng		99

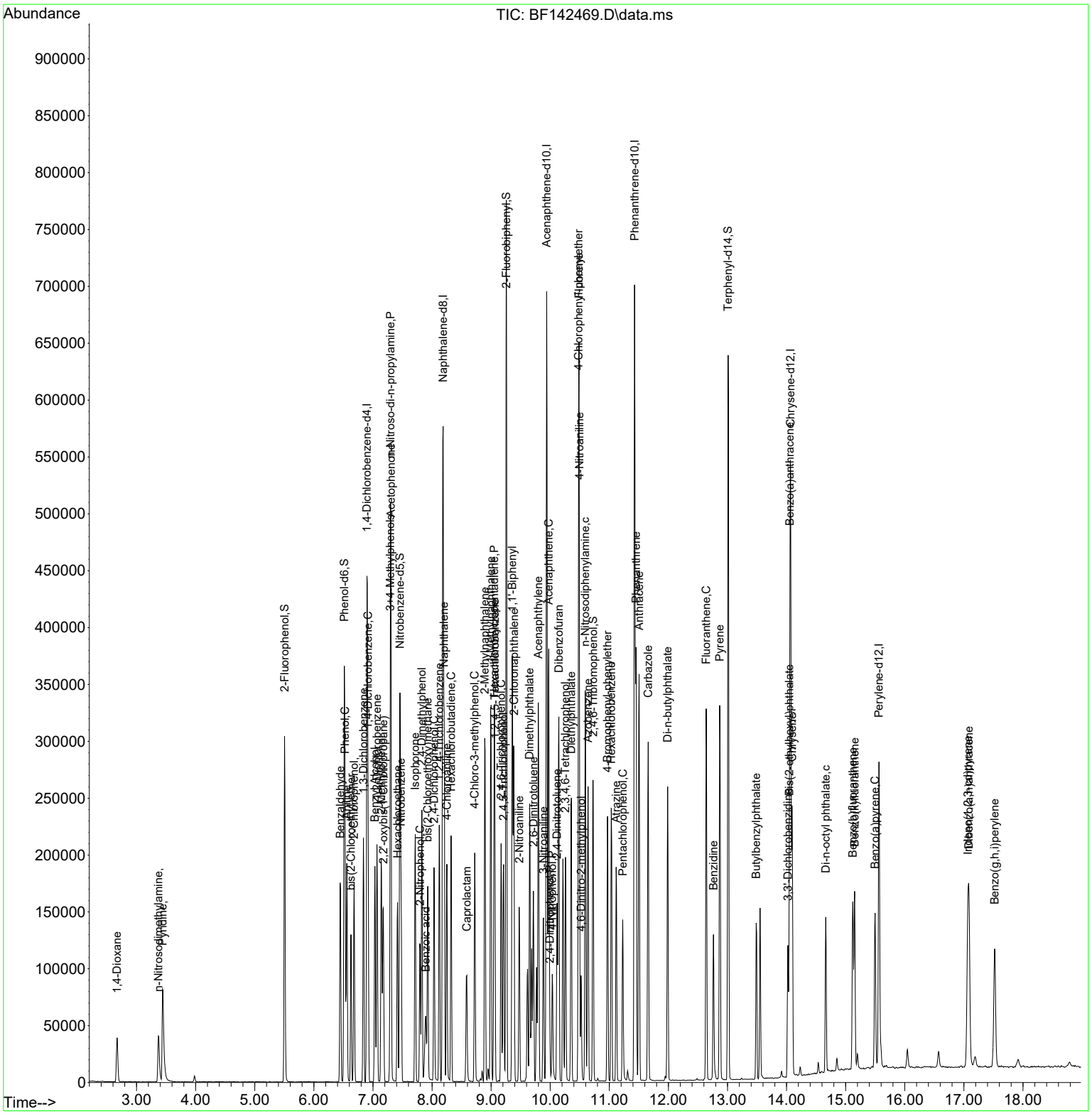
(#) = qualifier out of range (m) = manual integration (+) = signals summed

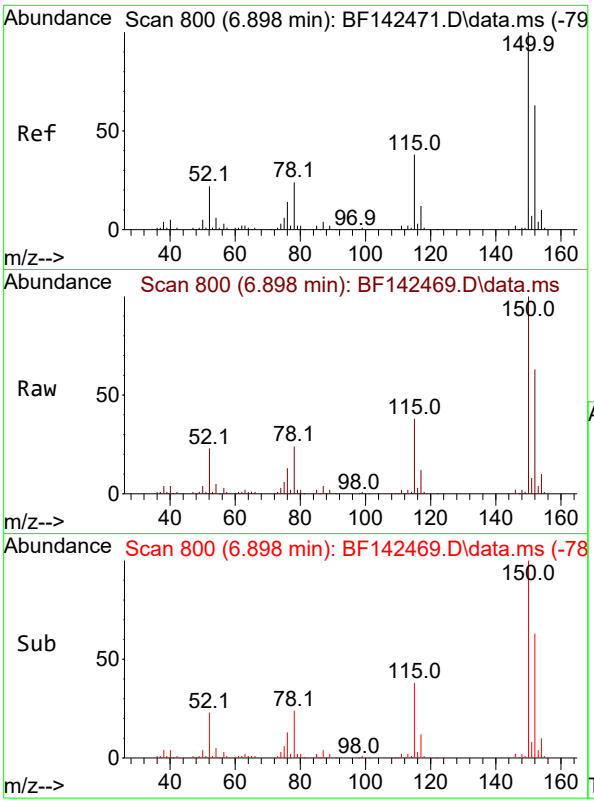
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142469.D
Acq On : 20 May 2025 13:07
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: May 20 16:55:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



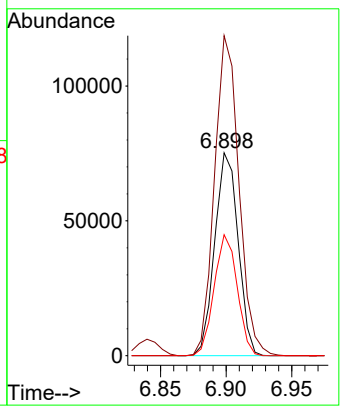


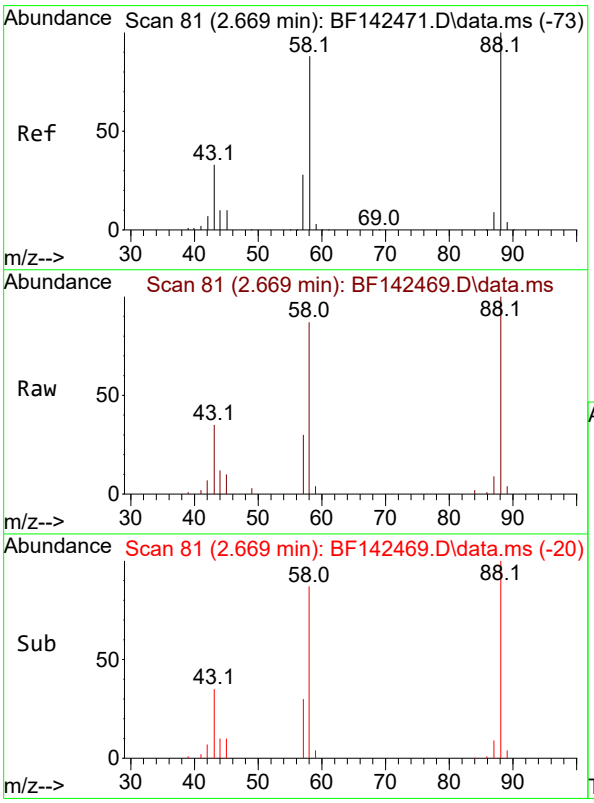
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 93167

Ion	Ratio	Lower	Upper
152	100		
150	157.7	128.2	192.4
115	59.6	48.3	72.5

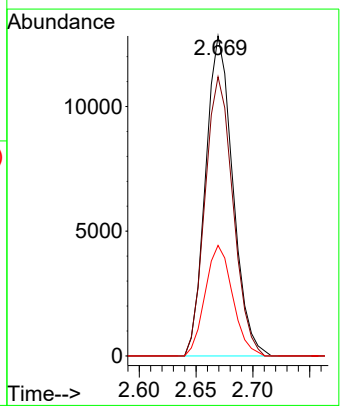


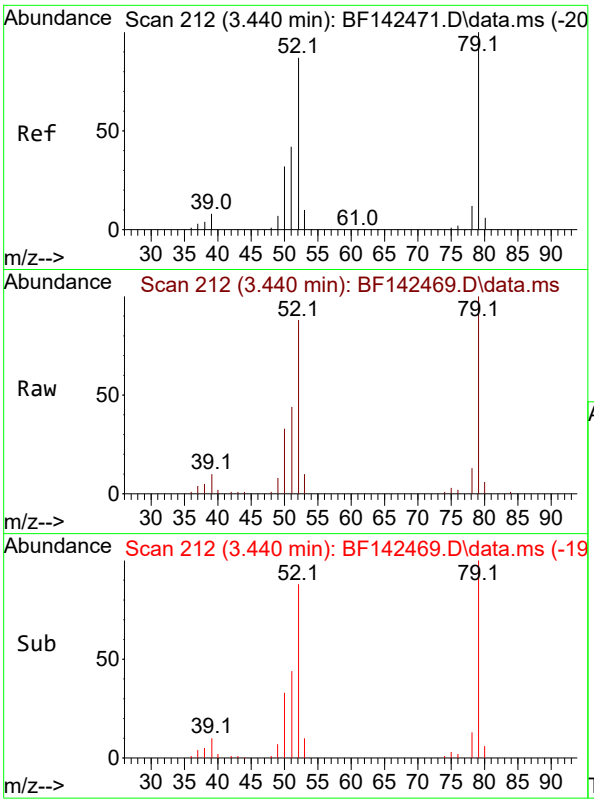


#2
1,4-Dioxane
Concen: 9.676 ng
RT: 2.669 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion: 88 Resp: 21412

Ion	Ratio	Lower	Upper
88	100		
58	89.3	70.8	106.2
43	34.8	26.6	40.0



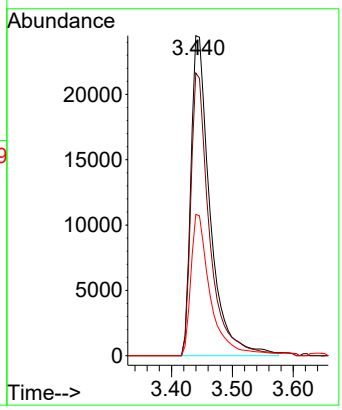


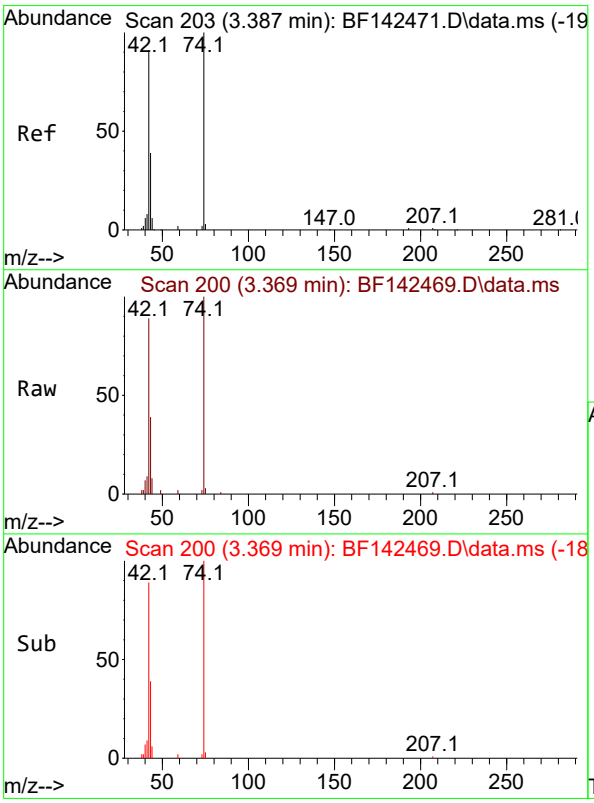
#3
Pyridine
Concen: 9.509 ng
RT: 3.440 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 53586

Ion	Ratio	Lower	Upper
79	100		
52	88.4	69.2	103.8
51	44.2	33.3	49.9

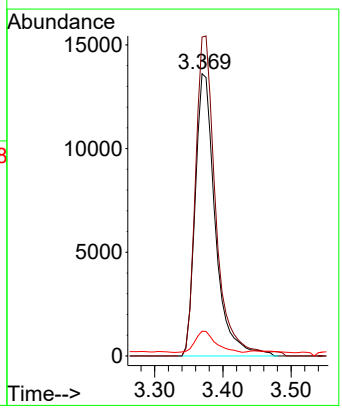


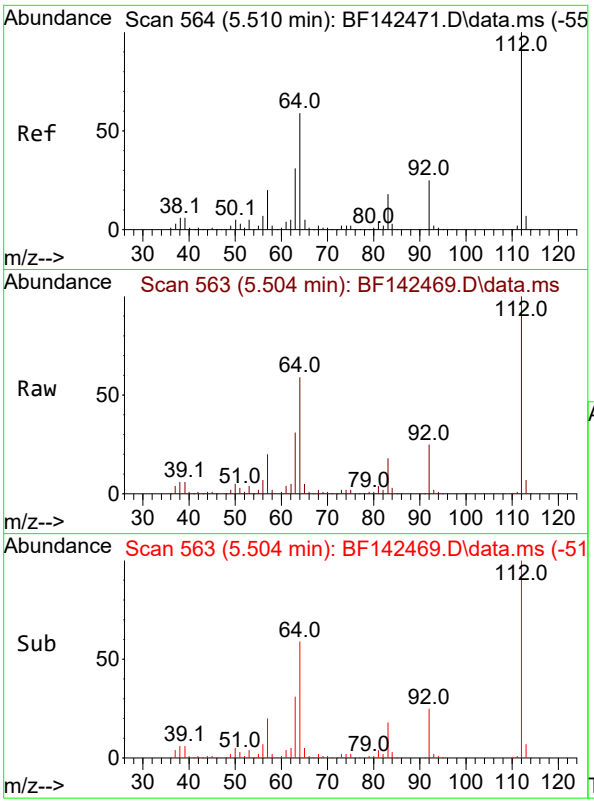


#4
n-Nitrosodimethylamine
Concen: 9.441 ng
RT: 3.369 min Scan# 200
Delta R.T. -0.035 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion: 42 Resp: 27624

Ion	Ratio	Lower	Upper
42	100		
74	113.0	88.2	132.4
44	8.8	5.4	8.2#



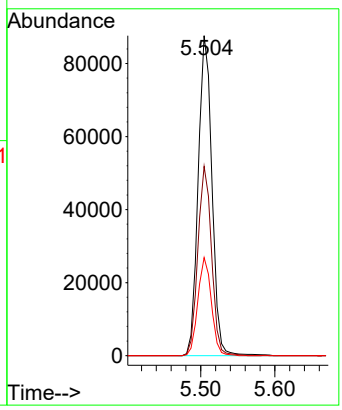


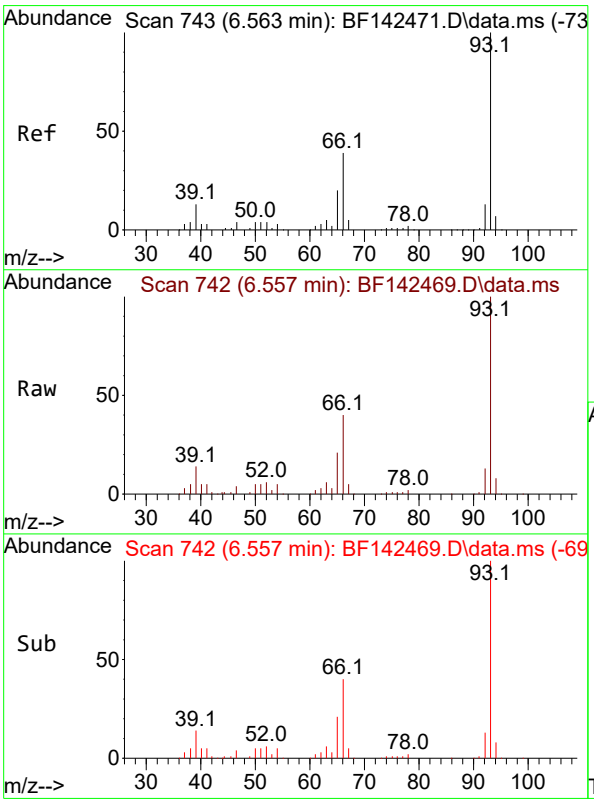
#5
2-Fluorophenol
Concen: 20.452 ng
RT: 5.504 min Scan# 5
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 113098

Ion	Ratio	Lower	Upper
112	100		
64	59.1	47.5	71.3
63	30.7	24.9	37.3

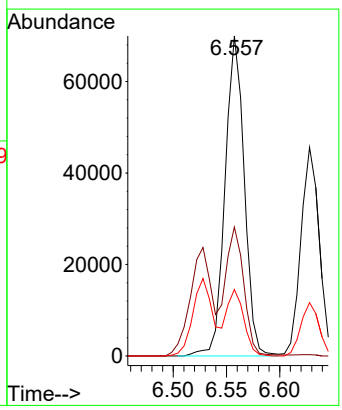


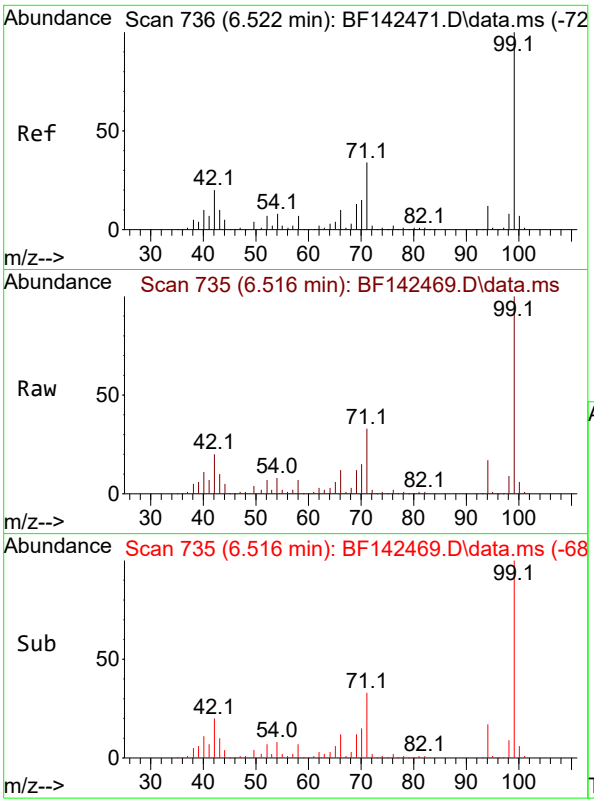


#6
Aniline
Concen: 9.831 ng
RT: 6.557 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion: 93 Resp: 87993

Ion	Ratio	Lower	Upper
93	100		
66	40.3	32.0	48.0
65	20.8	16.1	24.1



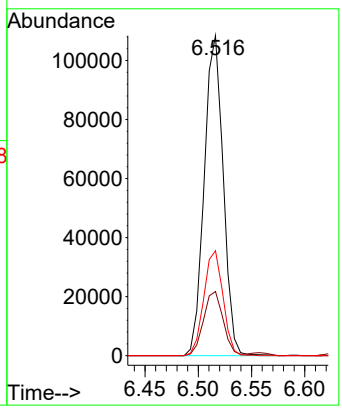


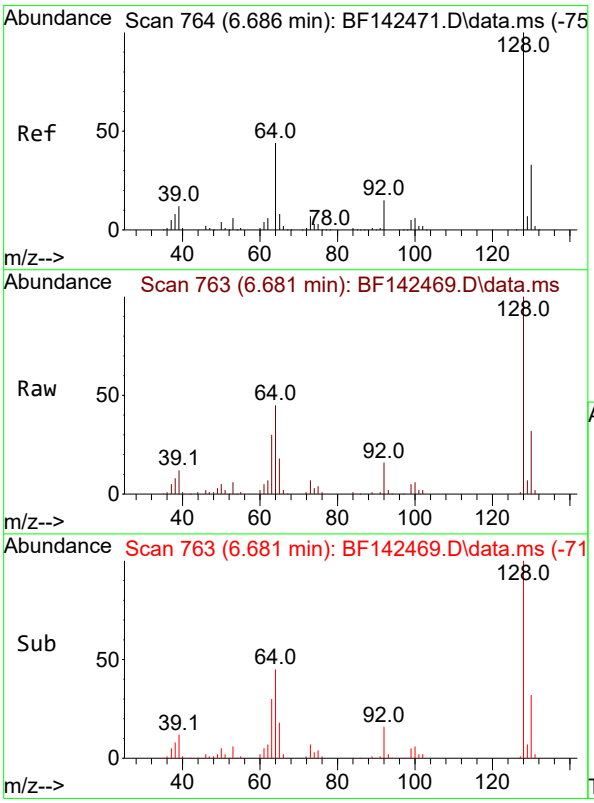
#7
Phenol-d6
Concen: 20.273 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 134953

Ion	Ratio	Lower	Upper
99	100		
42	20.0	16.2	24.2
71	32.8	27.3	40.9

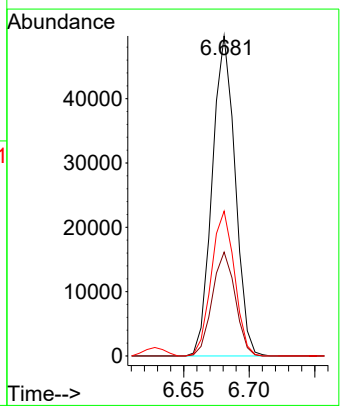


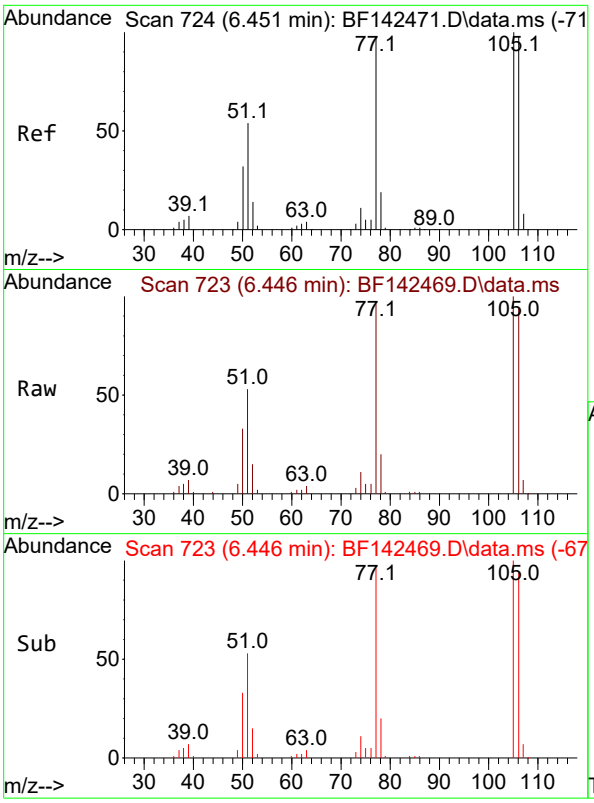


#8
2-Chlorophenol
Concen: 9.997 ng
RT: 6.681 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:128 Resp: 60216

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.6	52.6
64	45.3	25.1	65.1



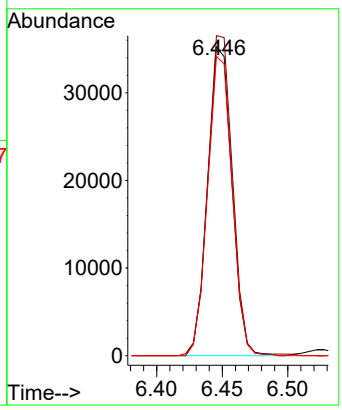


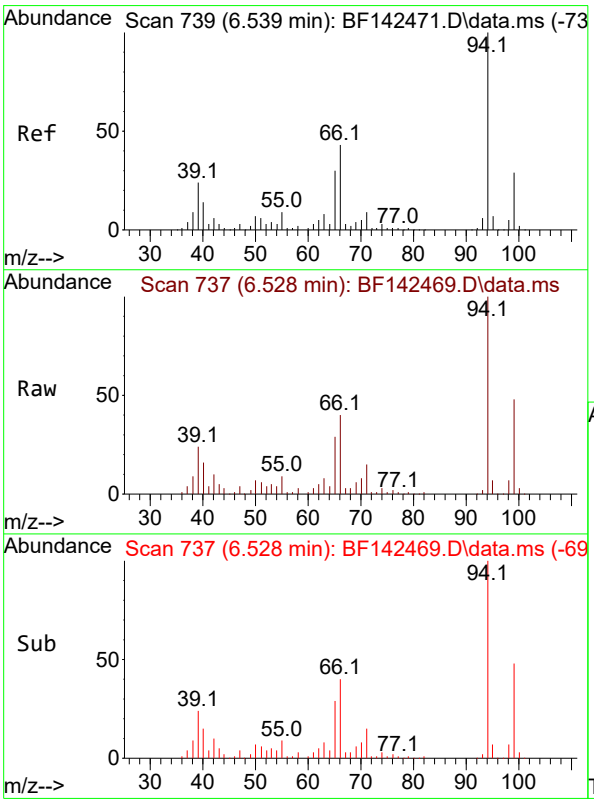
#9
Benzaldehyde
Concen: 11.347 ng
RT: 6.446 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 45431

Ion	Ratio	Lower	Upper
77	100		
105	103.6	82.5	122.5
106	97.0	80.0	120.0

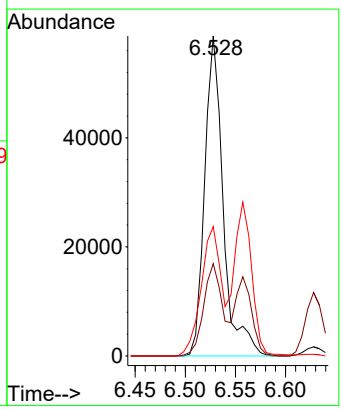


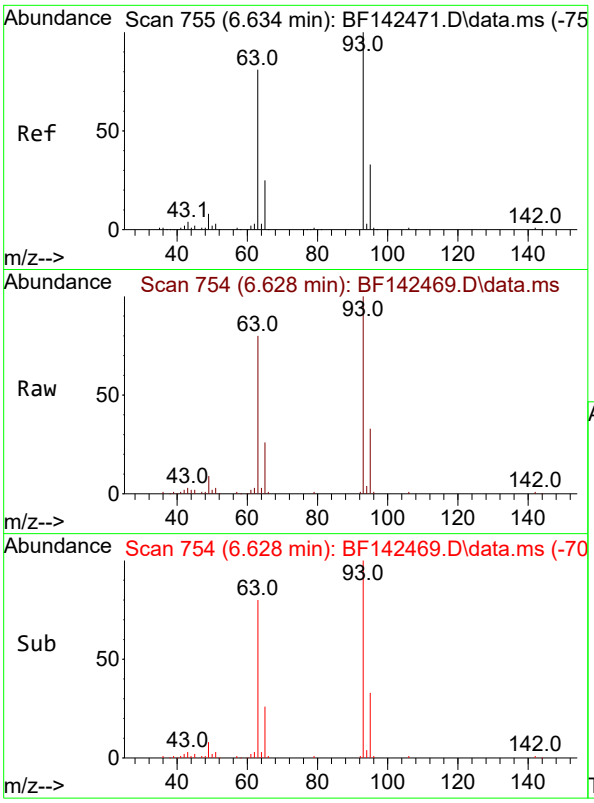


#10
Phenol
Concen: 10.083 ng
RT: 6.528 min Scan# 737
Delta R.T. -0.023 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion: 94 Resp: 75527

Ion	Ratio	Lower	Upper
94	100		
65	28.8	10.3	50.3
66	40.4	22.6	62.6



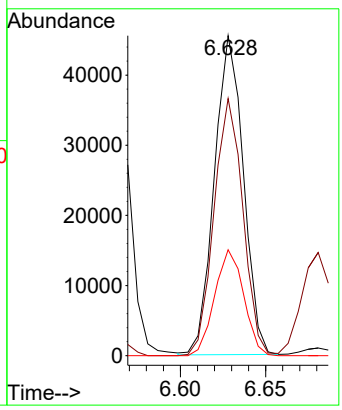


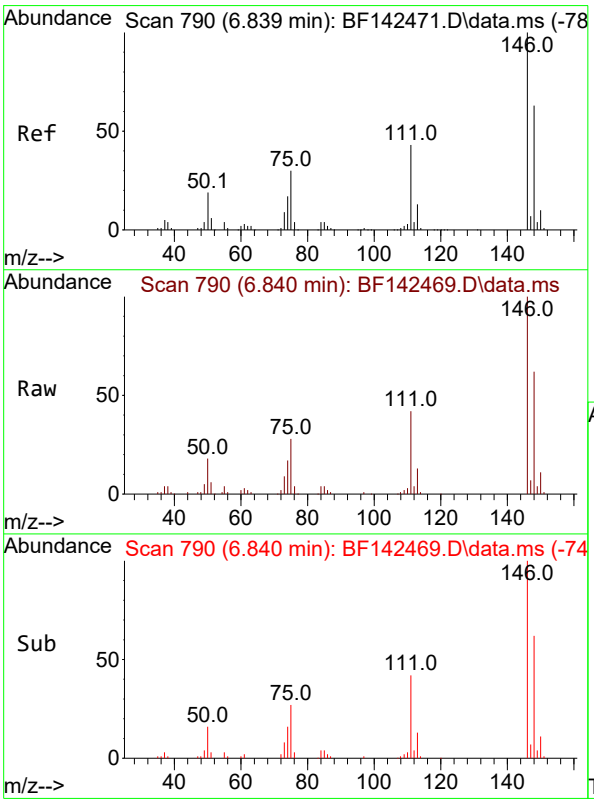
#11
bis(2-Chloroethyl)ether
Concen: 9.978 ng
RT: 6.628 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 53797

Ion	Ratio	Lower	Upper
93	100		
63	80.3	60.2	100.2
95	33.1	12.3	52.3

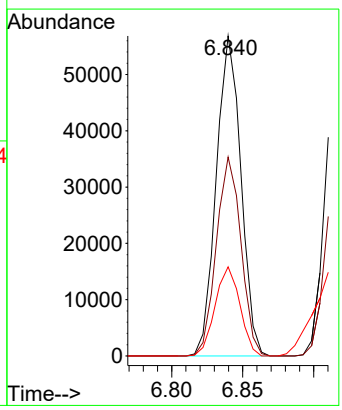


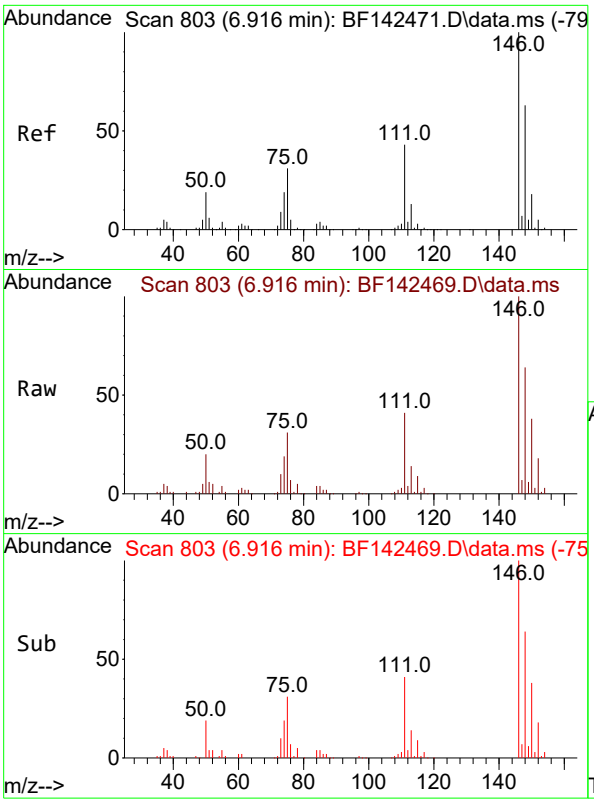


#12
1,3-Dichlorobenzene
Concen: 10.189 ng
RT: 6.840 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:146 Resp: 68483

Ion	Ratio	Lower	Upper
146	100		
148	62.2	50.6	75.8
75	27.9	23.8	35.6



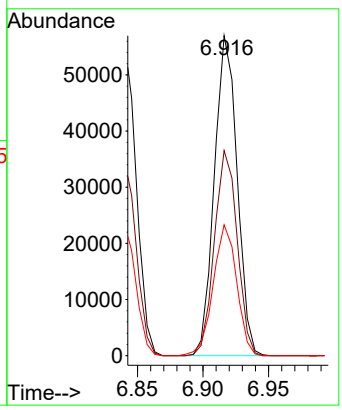


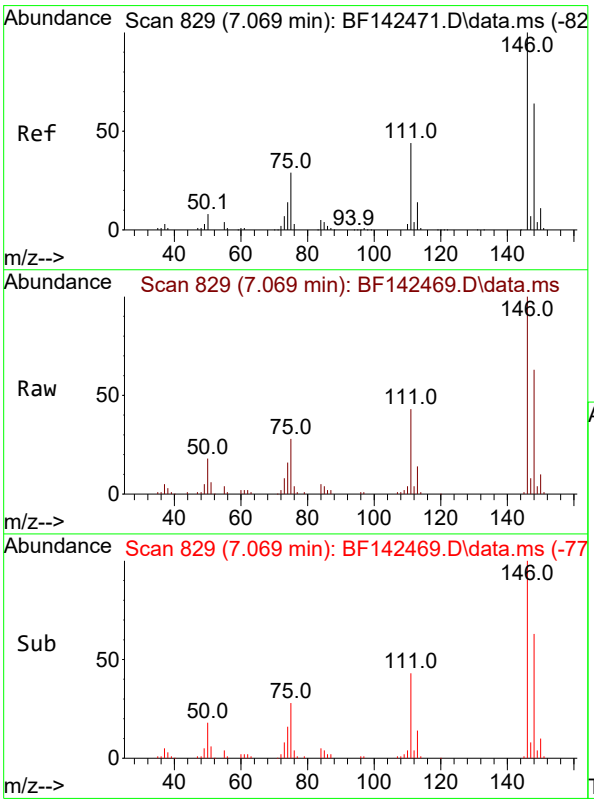
#13
1,4-Dichlorobenzene
Concen: 10.158 ng
RT: 6.916 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 68774

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.4	75.6
111	40.9	34.1	51.1

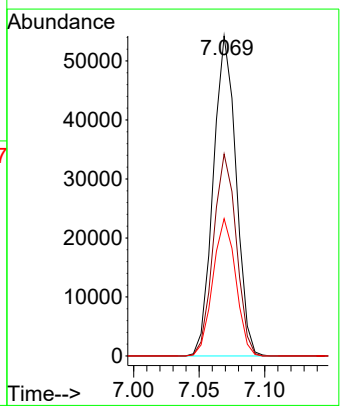


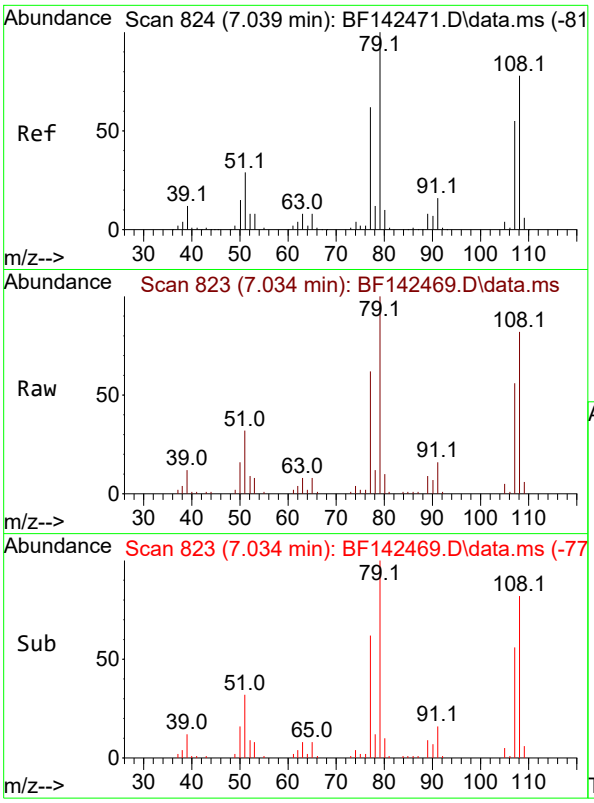


#14
1,2-Dichlorobenzene
Concen: 10.102 ng
RT: 7.069 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:146 Resp: 65441

Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.0	76.4
111	42.9	35.0	52.6



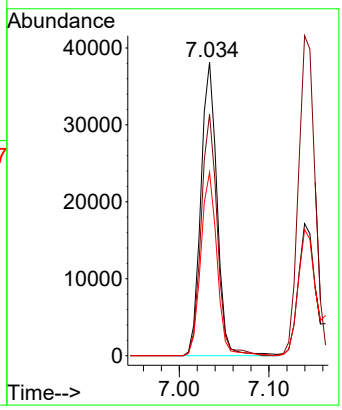


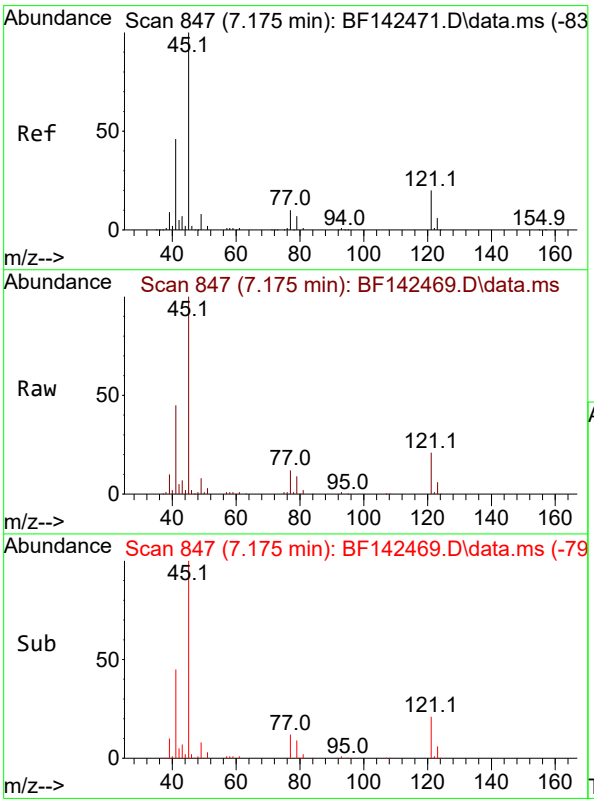
#15
Benzyl Alcohol
Concen: 9.699 ng
RT: 7.034 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 47712

Ion	Ratio	Lower	Upper
79	100		
108	82.2	62.1	93.1
77	62.4	49.5	74.3

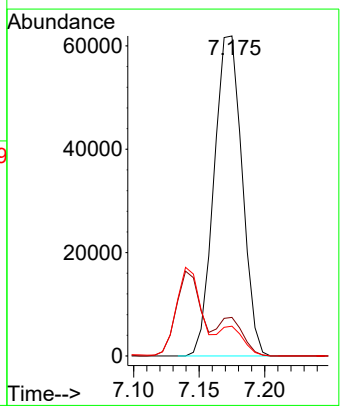


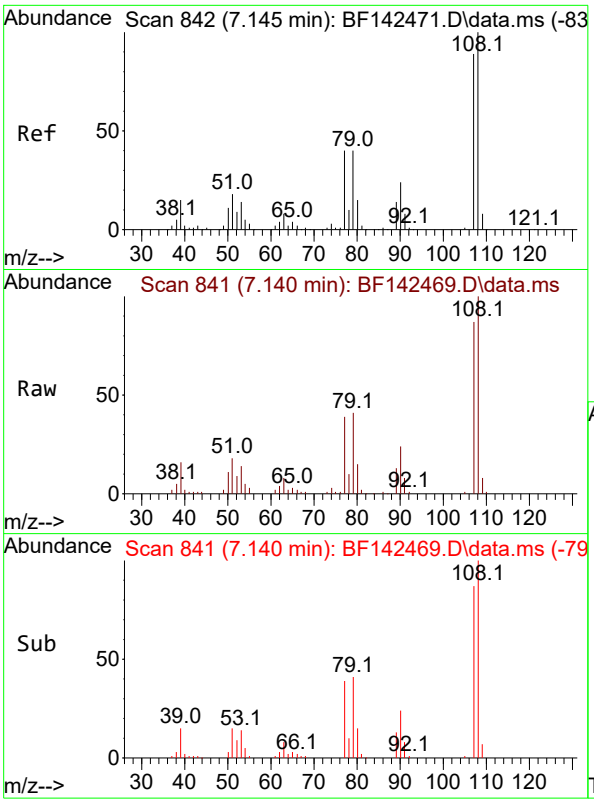


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.175 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion: 45 Resp: 92128

Ion	Ratio	Lower	Upper
45	100		
77	12.1	0.0	32.0
79	9.3	0.0	29.2



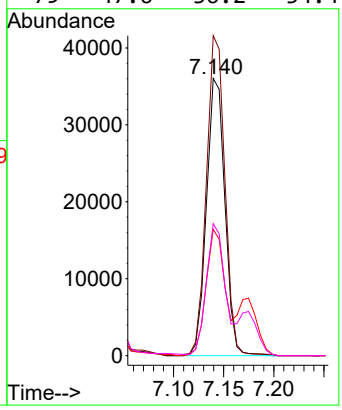


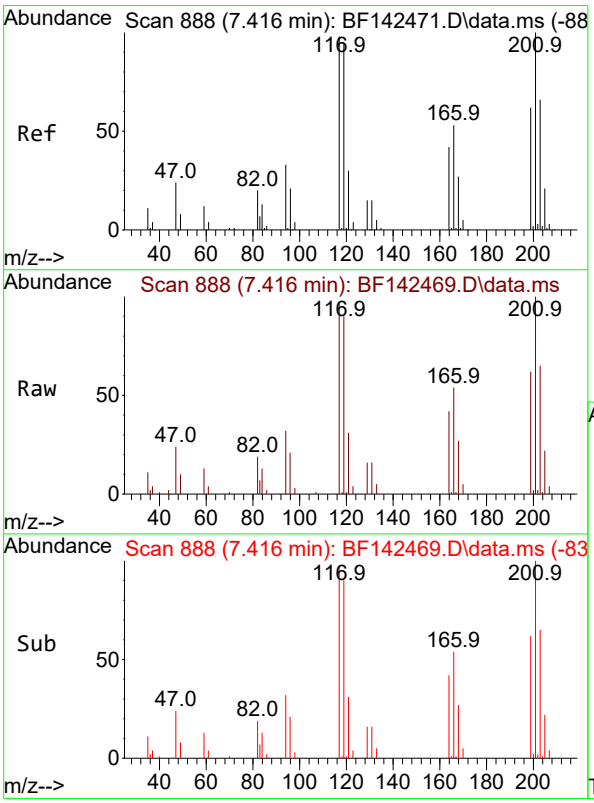
#17
2-Methylphenol
Concen: 9.825 ng
RT: 7.140 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 46205

Ion	Ratio	Lower	Upper
107	100		
108	115.4	90.2	135.2
77	45.6	36.1	54.1
79	47.6	36.2	54.4

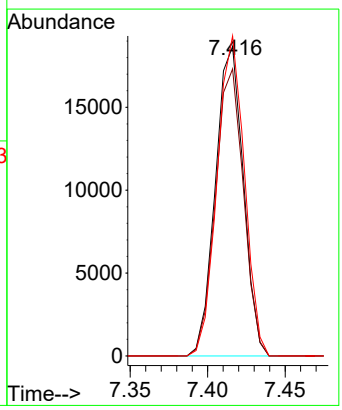


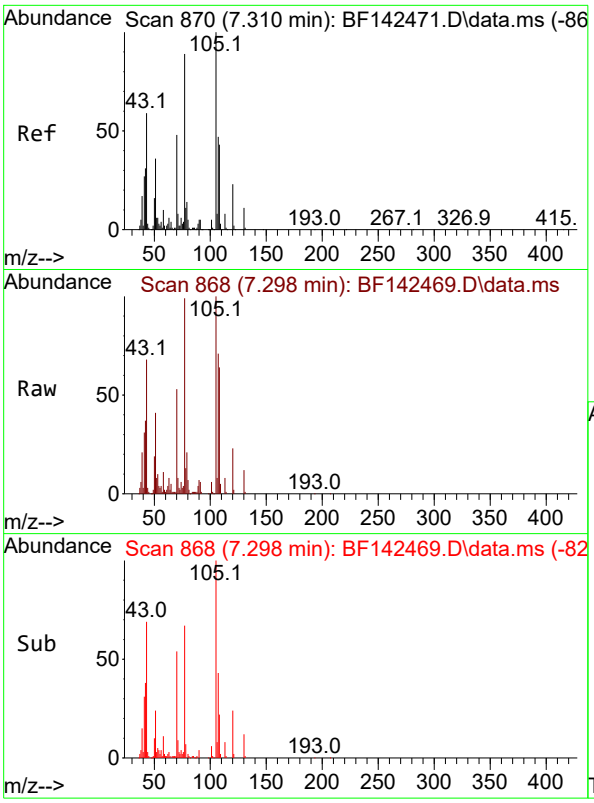


#18
Hexachloroethane
Concen: 9.909 ng
RT: 7.416 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:117 Resp: 23425

Ion	Ratio	Lower	Upper
117	100		
119	92.7	76.6	114.8
201	103.3	81.3	121.9



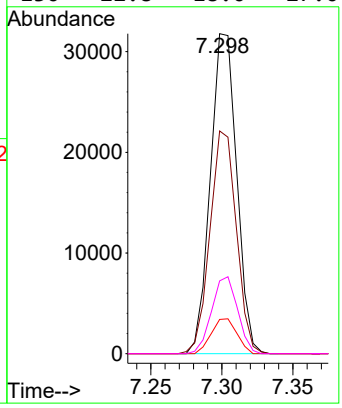


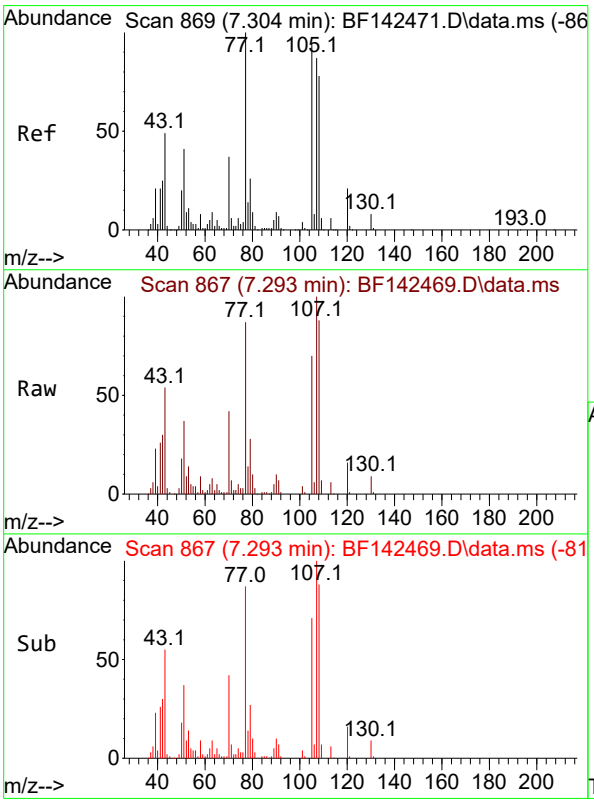
#19
n-Nitroso-di-n-propylamine
Concen: 9.937 ng
RT: 7.298 min Scan# 8
Delta R.T. -0.029 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 40995

Ion	Ratio	Lower	Upper
70	100		
42	69.6	52.4	78.6
101	10.7	7.8	11.8
130	22.8	18.0	27.0

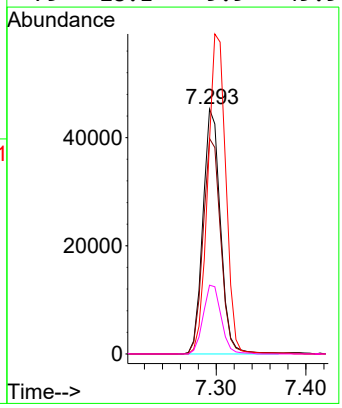


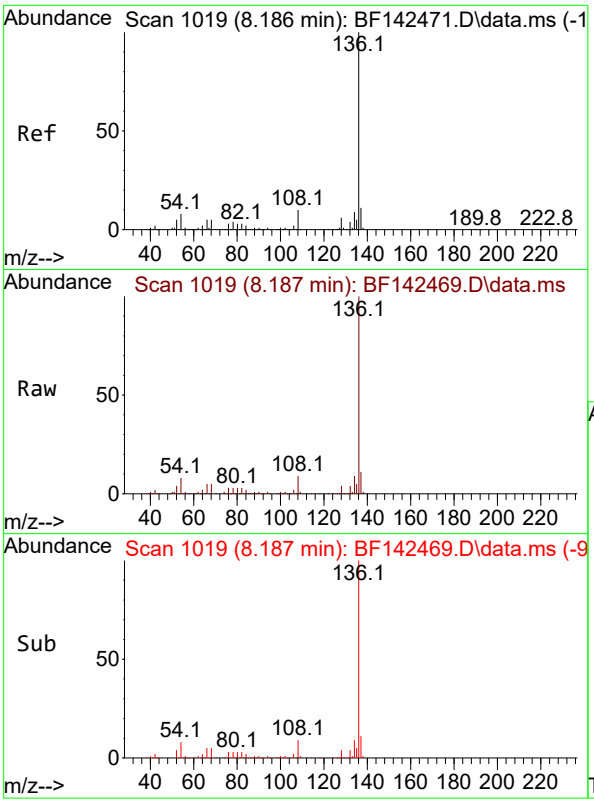


#20
3+4-Methylphenols
Concen: 10.203 ng
RT: 7.293 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:107 Resp: 61444

Ion	Ratio	Lower	Upper
107	100		
108	87.9	70.4	110.4
77	87.2	95.4	135.4#
79	28.1	9.9	49.9



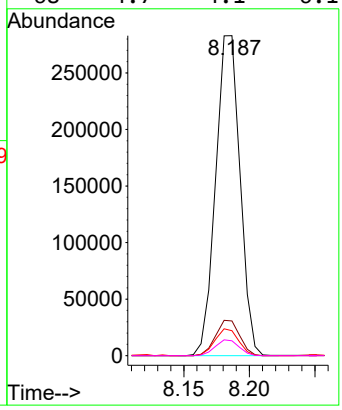


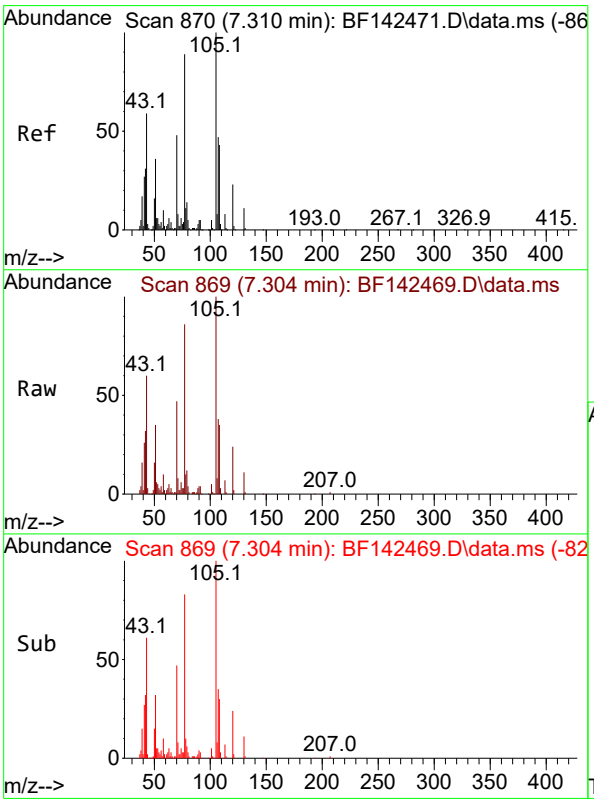
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 365488

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	7.8	6.6	10.0
68	4.7	4.1	6.1

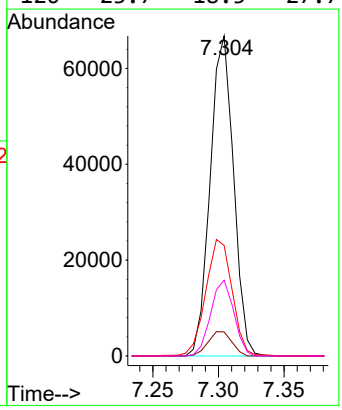


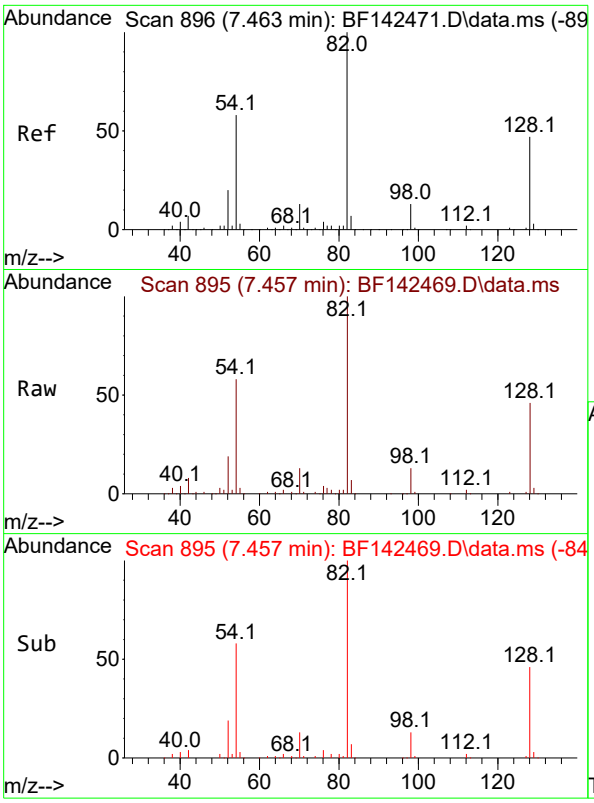


#22
Acetophenone
Concen: 10.234 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:105 Resp: 82804

Ion	Ratio	Lower	Upper
105	100		
71	7.5	6.4	9.6
51	34.5	28.6	42.8
120	23.7	18.5	27.7



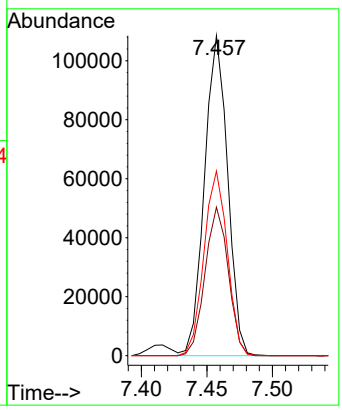


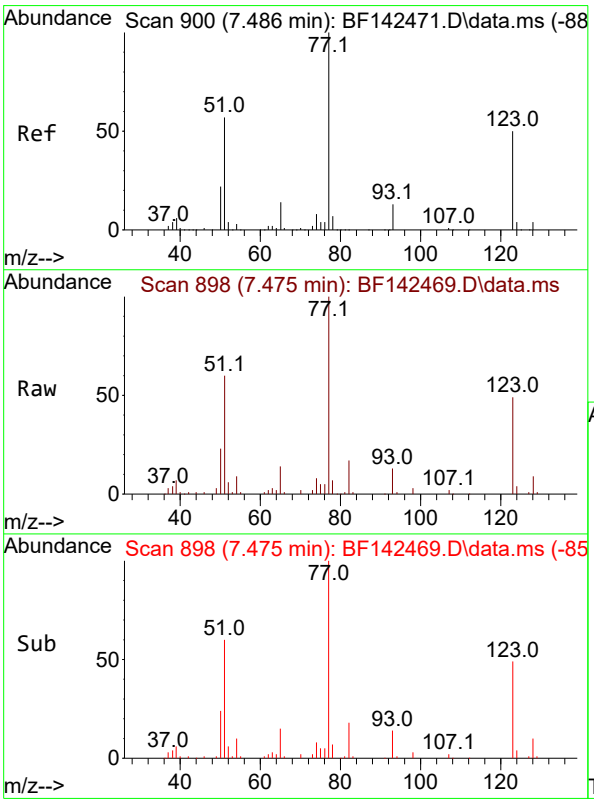
#23
Nitrobenzene-d5
Concen: 19.881 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 133256

Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.4	56.2
54	57.7	46.6	70.0

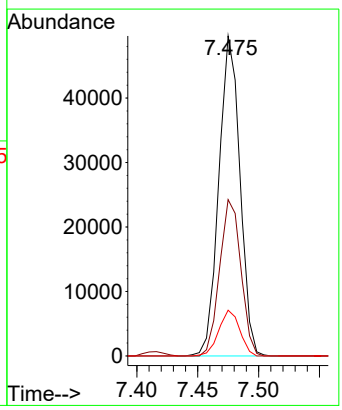


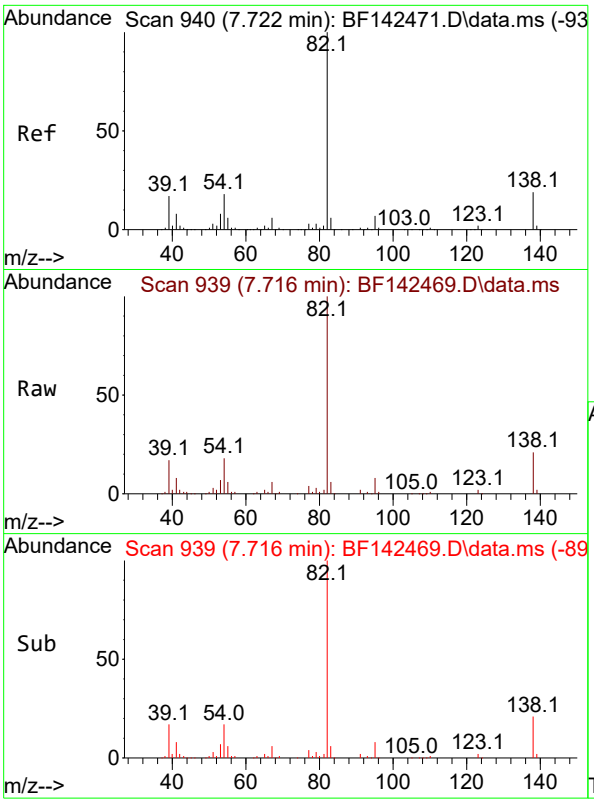


#24
Nitrobenzene
Concen: 9.904 ng
RT: 7.475 min Scan# 898
Delta R.T. -0.017 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion: 77 Resp: 59873

Ion	Ratio	Lower	Upper
77	100		
123	48.8	40.6	61.0
65	14.3	11.4	17.2



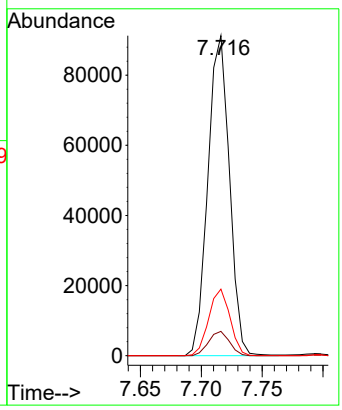


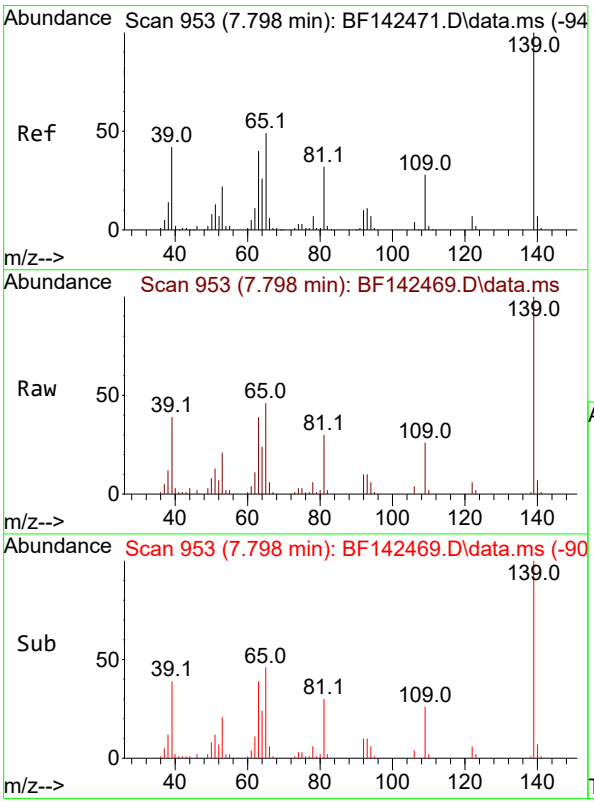
#25
Isophorone
Concen: 10.027 ng
RT: 7.716 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 112365

Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.0	9.0
138	20.8	15.5	23.3

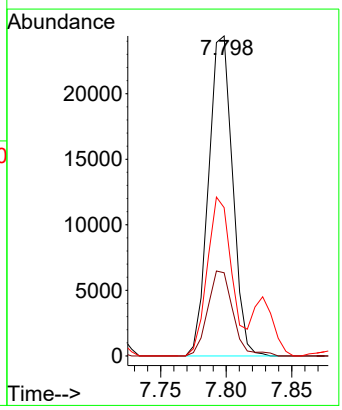


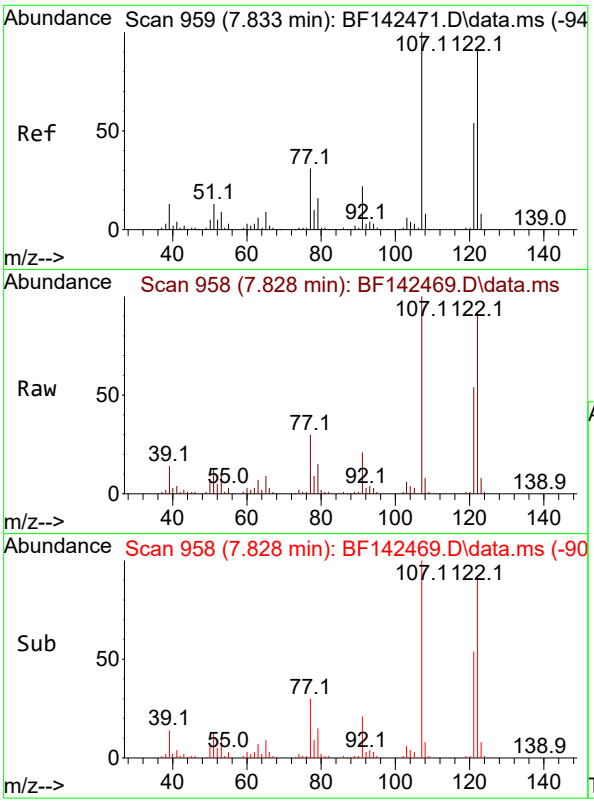


#26
2-Nitrophenol
Concen: 9.623 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:139 Resp: 31085

Ion	Ratio	Lower	Upper
139	100		
109	26.0	22.6	33.8
65	46.4	39.4	59.0



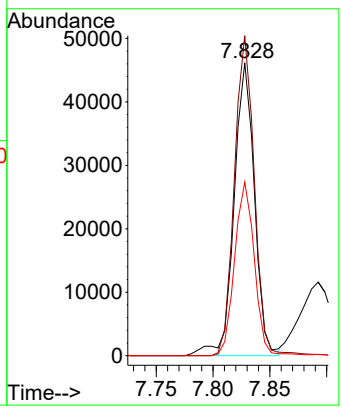


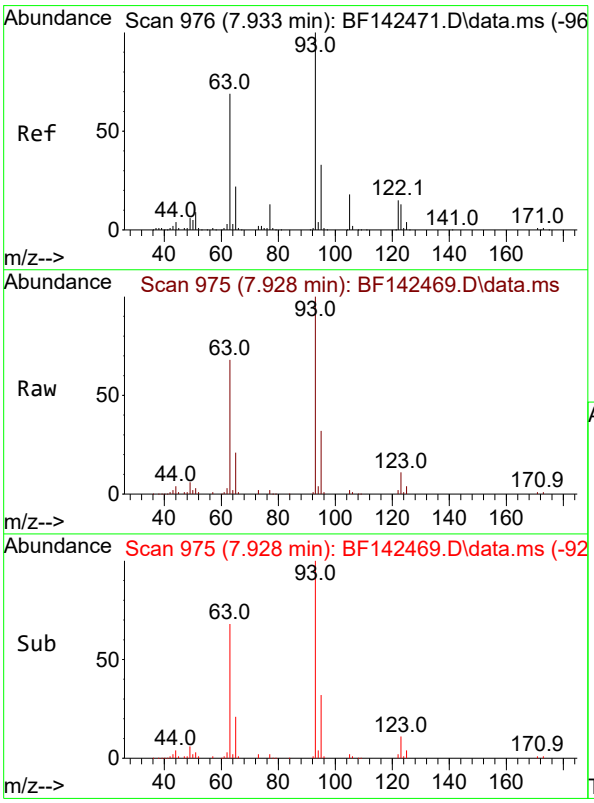
#27
2,4-Dimethylphenol
Concen: 10.102 ng
RT: 7.828 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 57543

Ion	Ratio	Lower	Upper
122	100		
107	109.2	88.1	132.1
121	59.3	47.3	70.9

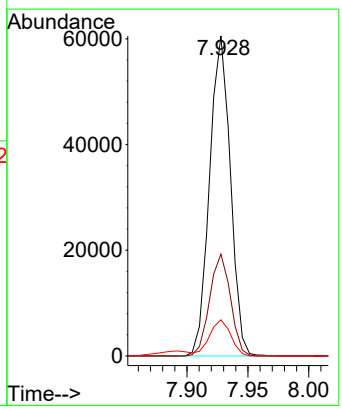


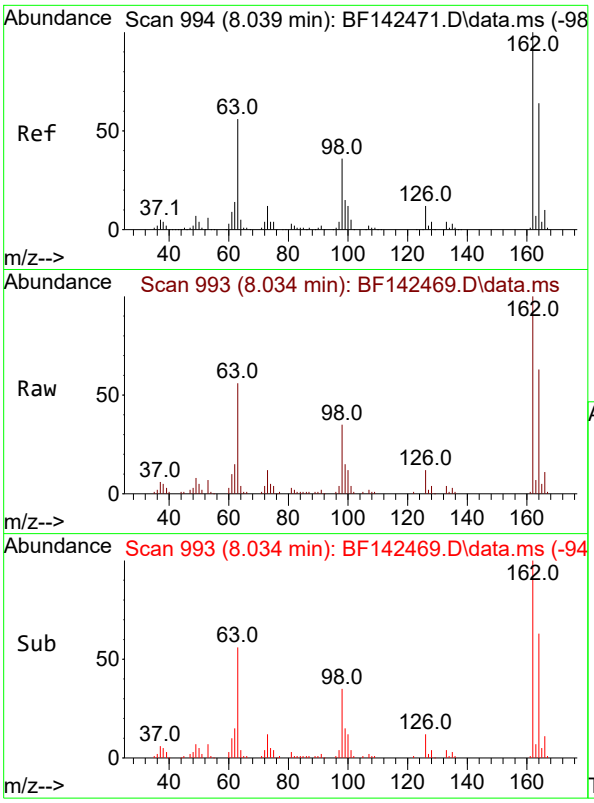


#28
bis(2-Chloroethoxy)methane
Concen: 10.277 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion: 93 Resp: 71943

Ion	Ratio	Lower	Upper
93	100		
95	31.8	26.4	39.6
123	11.3	10.6	15.8



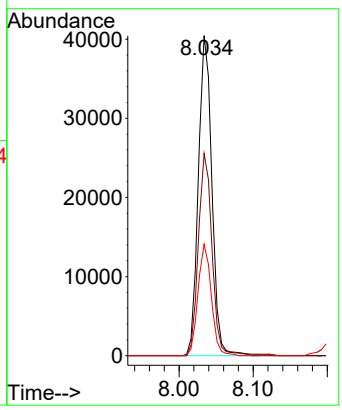


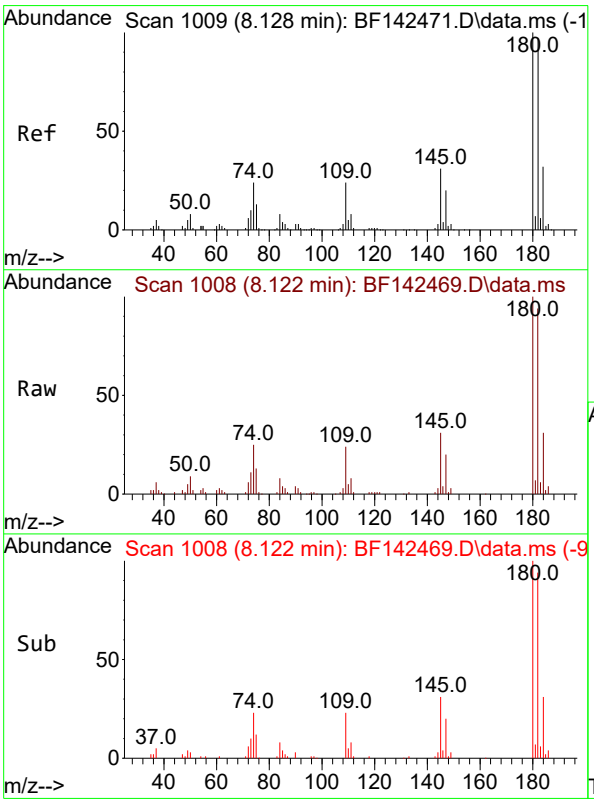
#29
2,4-Dichlorophenol
Concen: 9.941 ng
RT: 8.034 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 51500

Ion	Ratio	Lower	Upper
162	100		
164	63.2	43.7	83.7
98	34.8	15.5	55.5

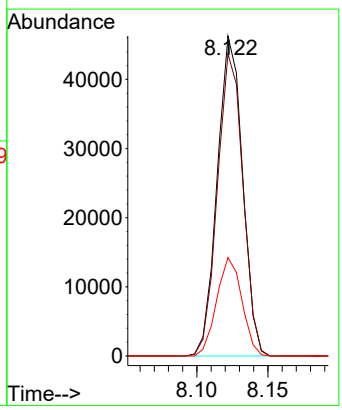


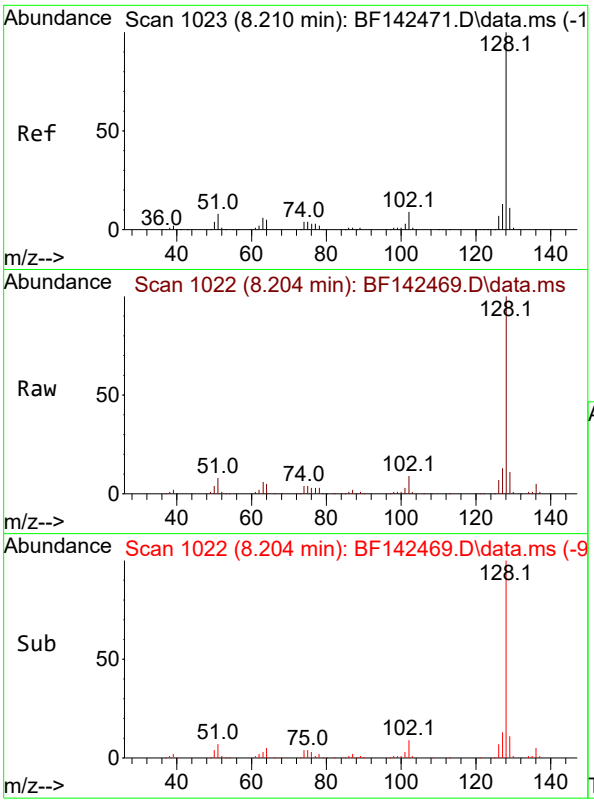


#30
1,2,4-Trichlorobenzene
Concen: 10.179 ng
RT: 8.122 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:180 Resp: 57228

Ion	Ratio	Lower	Upper
180	100		
182	94.4	78.0	117.0
145	30.8	25.0	37.6



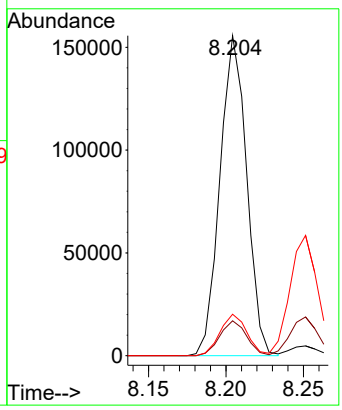


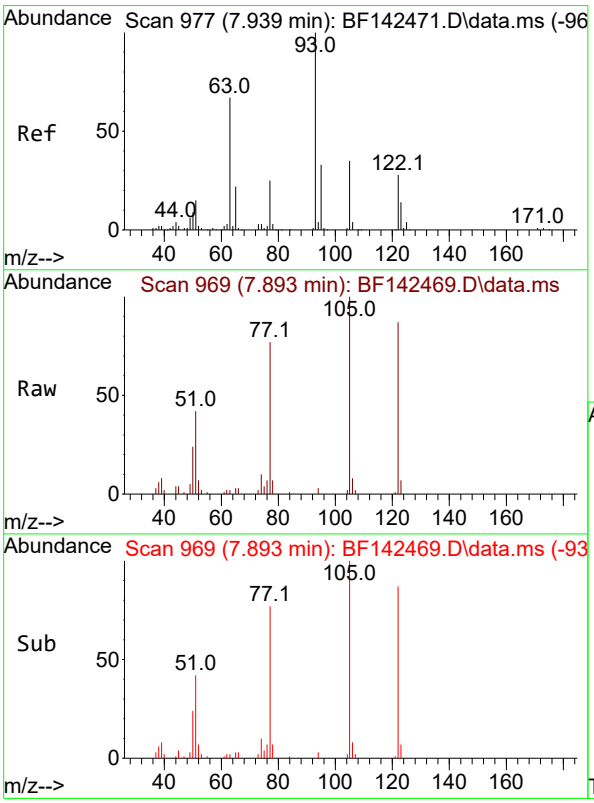
#31
Naphthalene
Concen: 10.364 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 186515

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.0	10.5	15.7

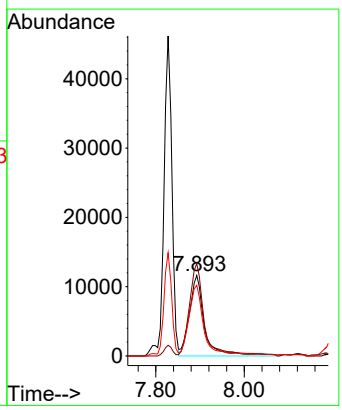


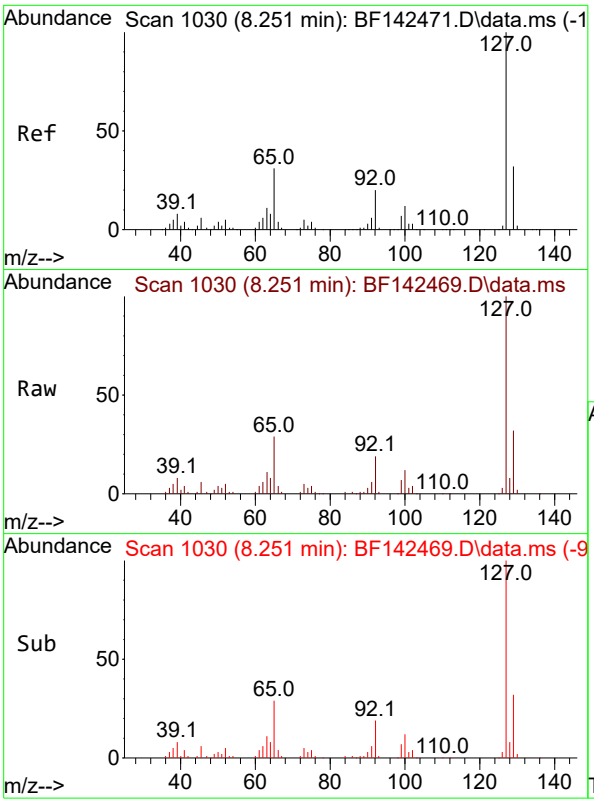


#32
Benzoic acid
Concen: 8.062 ng m
RT: 7.893 min Scan# 969
Delta R.T. -0.082 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:122 Resp: 27956

Ion	Ratio	Lower	Upper
122	100		
105	114.9	101.7	141.7
77	87.9	69.5	109.5



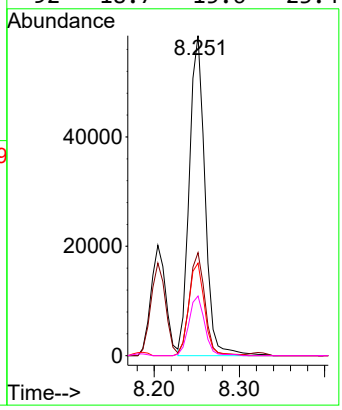


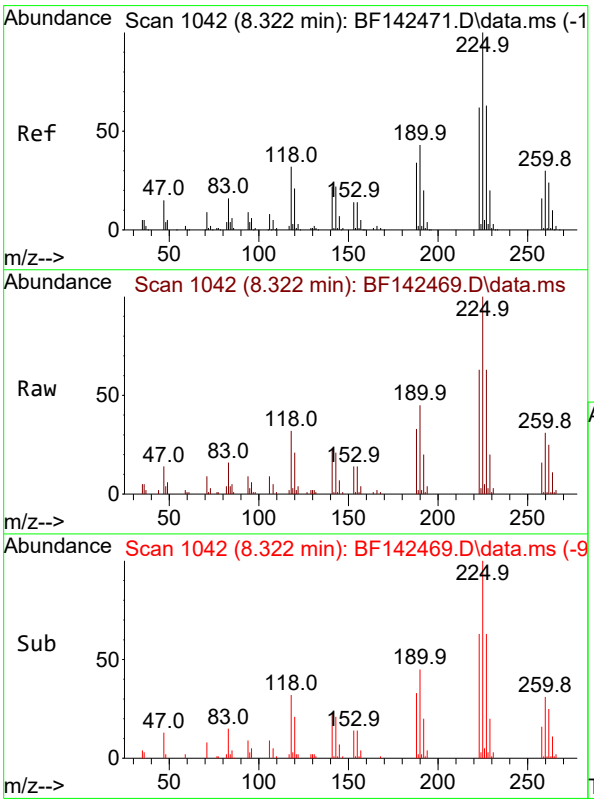
#33
4-Chloroaniline
Concen: 10.258 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 74805

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.1	39.1
65	29.0	24.9	37.3
92	18.7	15.6	23.4

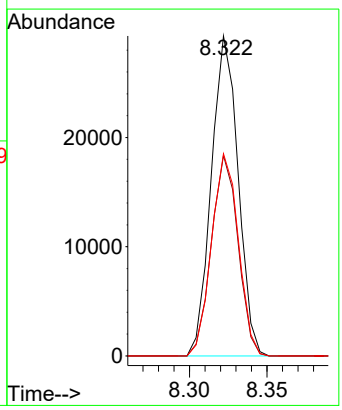


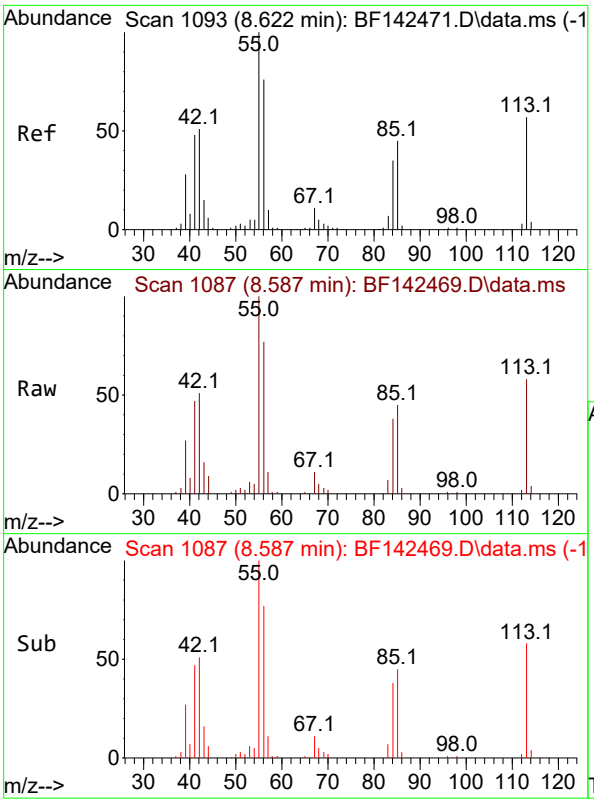


#34
Hexachlorobutadiene
Concen: 10.016 ng
RT: 8.322 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:225 Resp: 35161

Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.7	74.5
227	63.2	50.3	75.5



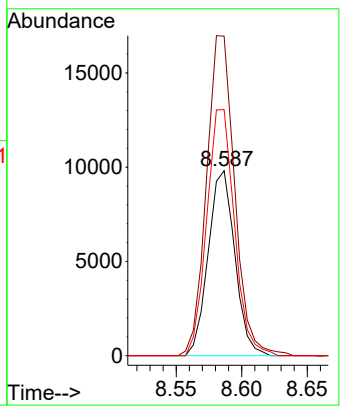


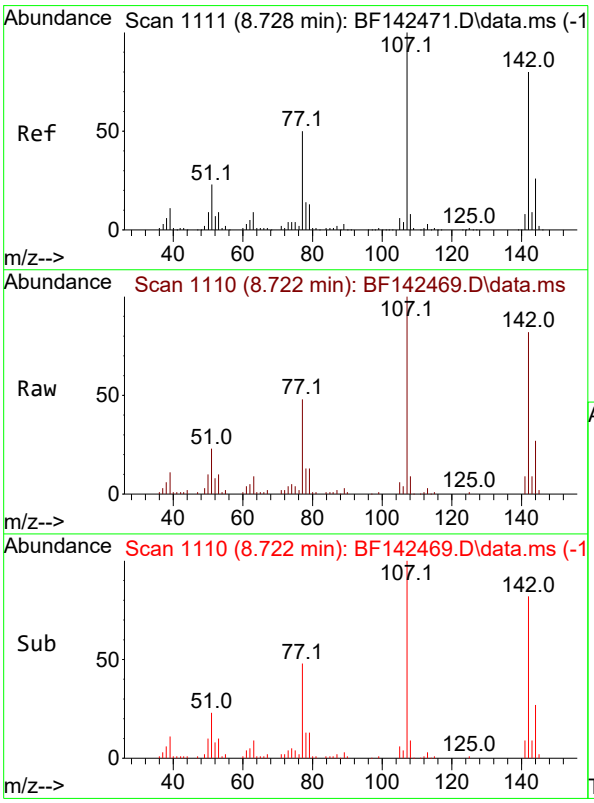
#35
Caprolactam
Concen: 9.527 ng
RT: 8.587 min Scan# 1
Delta R.T. -0.059 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 13862

Ion	Ratio	Lower	Upper
113	100		
55	172.8	154.7	194.7
56	133.0	113.2	153.2

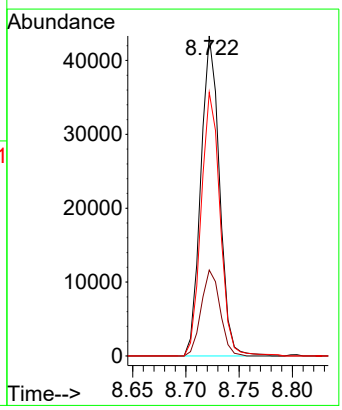


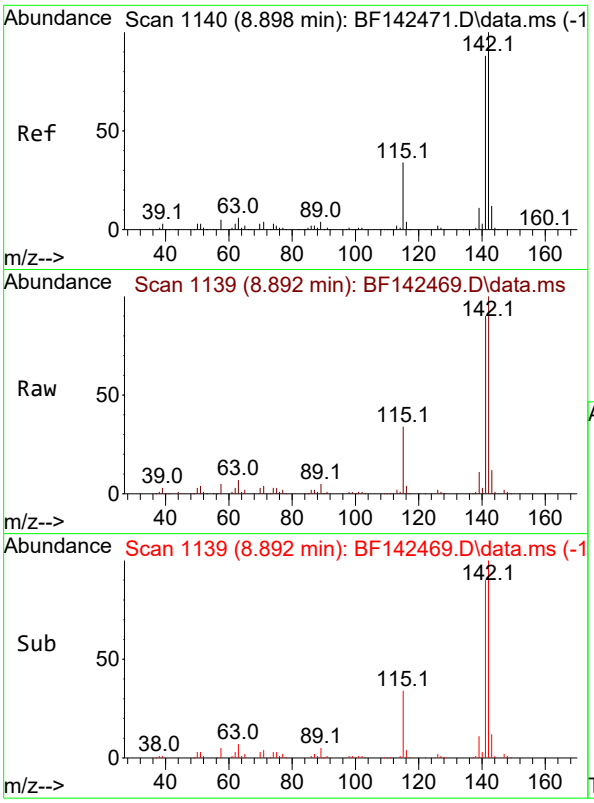


#36
4-Chloro-3-methylphenol
Concen: 9.968 ng
RT: 8.722 min Scan# 1110
Delta R.T. -0.017 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:107 Resp: 52919

Ion	Ratio	Lower	Upper
107	100		
144	26.9	20.9	31.3
142	82.4	64.2	96.2



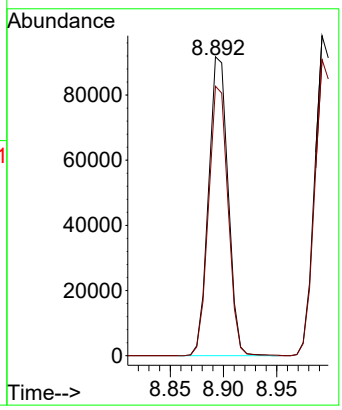


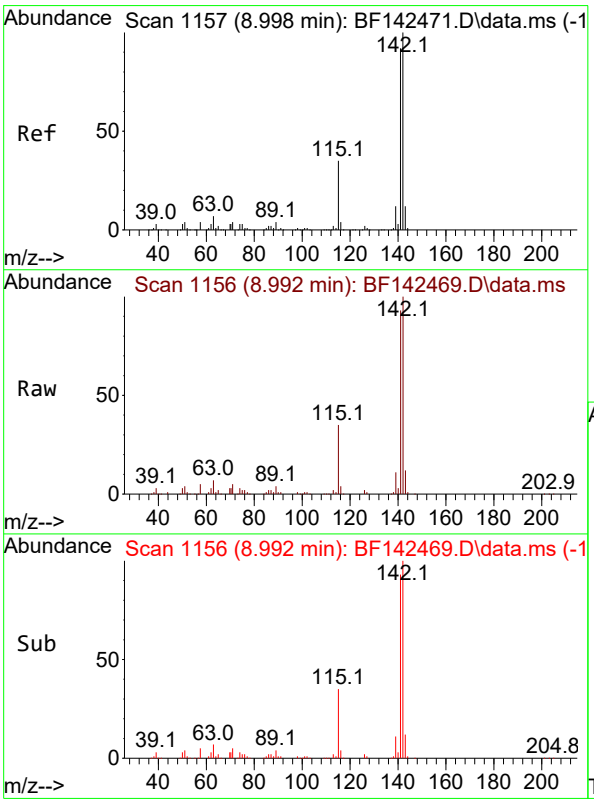
#37
2-Methylnaphthalene
Concen: 10.298 ng
RT: 8.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 116592

Ion	Ratio	Lower	Upper
142	100		
141	90.2	70.7	106.1

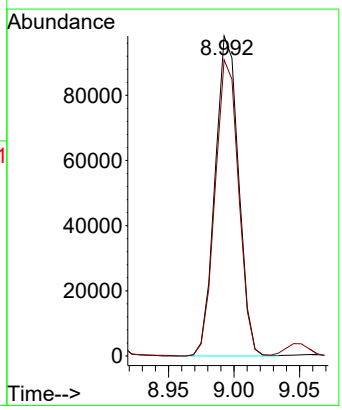


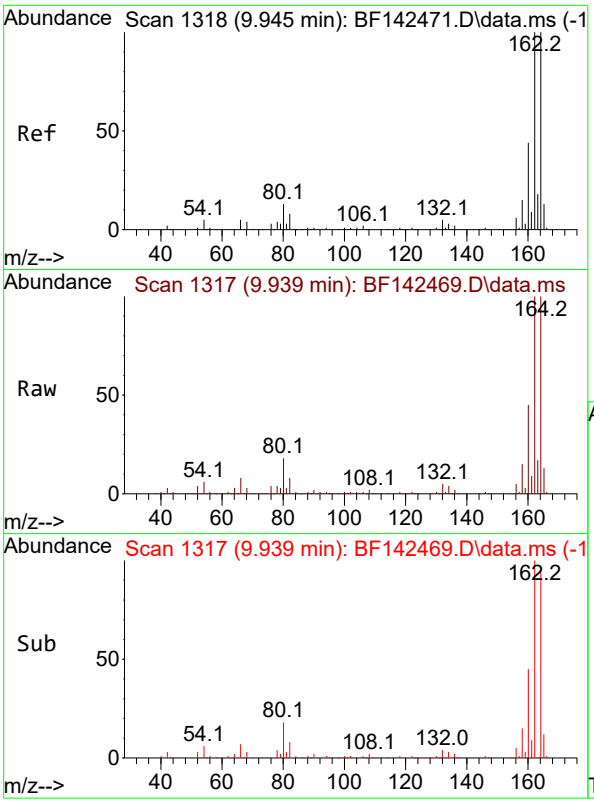


#38
1-Methylnaphthalene
Concen: 10.429 ng
RT: 8.992 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:142 Resp: 122130

Ion	Ratio	Lower	Upper
142	100		
141	92.6	73.4	110.2



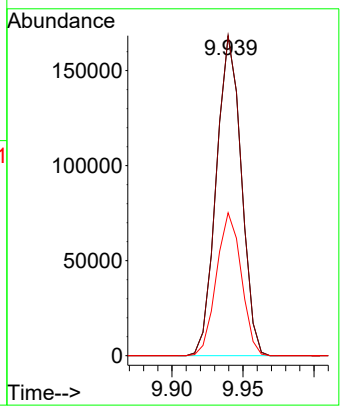


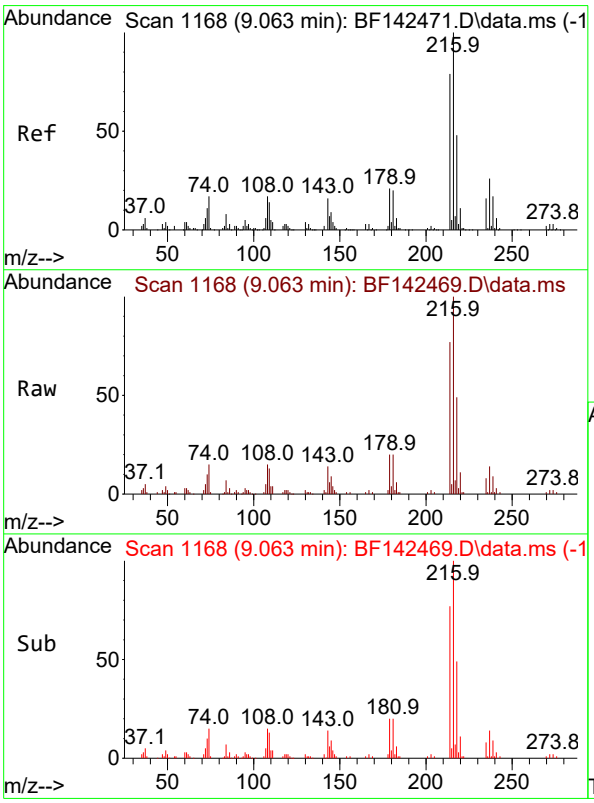
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 205654

Ion	Ratio	Lower	Upper
164	100		
162	100.2	80.2	120.4
160	44.7	35.6	53.4

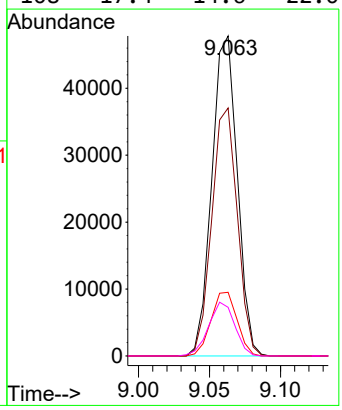


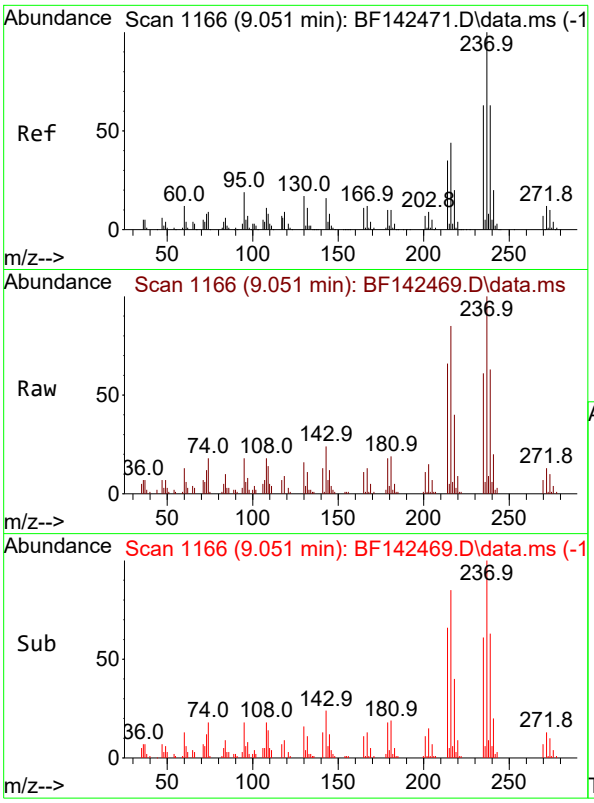


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.097 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:216 Resp: 59609

Ion	Ratio	Lower	Upper
216	100		
214	77.8	62.9	94.3
179	20.4	16.9	25.3
108	17.4	14.6	22.0



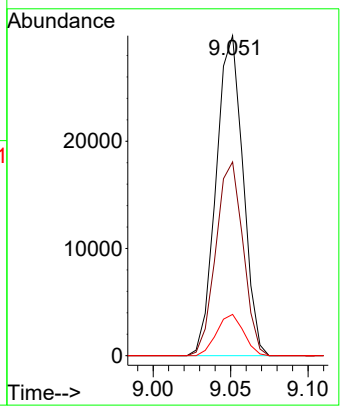


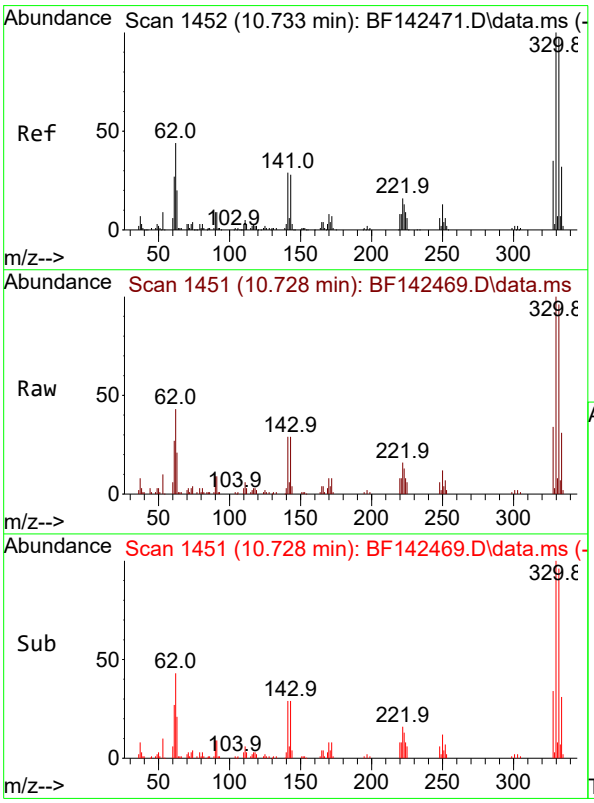
#41
Hexachlorocyclopentadiene
Concen: 9.044 ng
RT: 9.051 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 36016

Ion	Ratio	Lower	Upper
237	100		
235	60.5	43.3	83.3
272	12.9	0.0	32.4

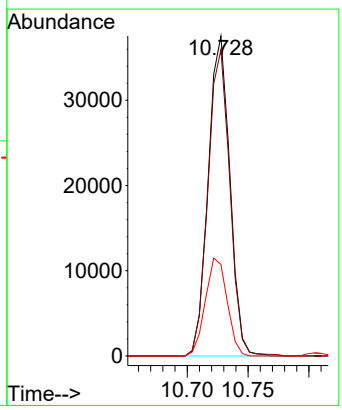


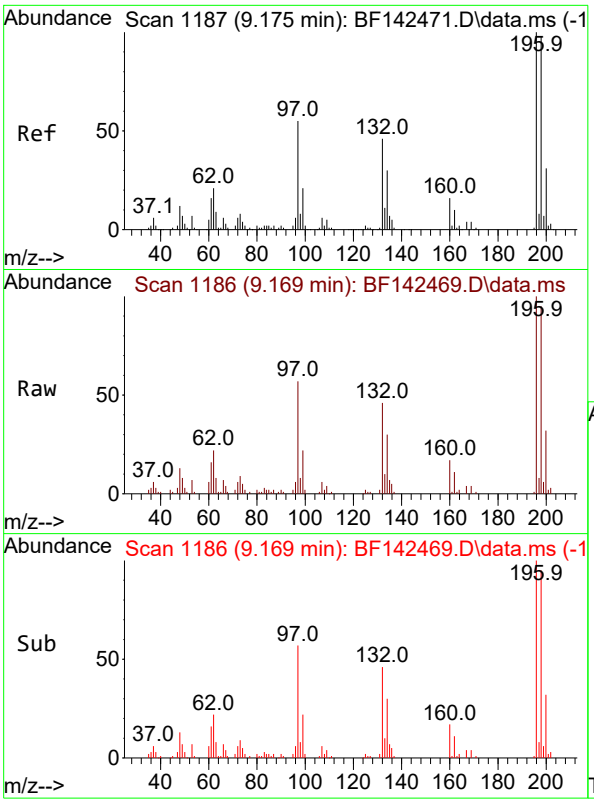


#42
2,4,6-Tribromophenol
Concen: 20.276 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:330 Resp: 46280

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.6	116.4
141	30.8	24.6	36.8



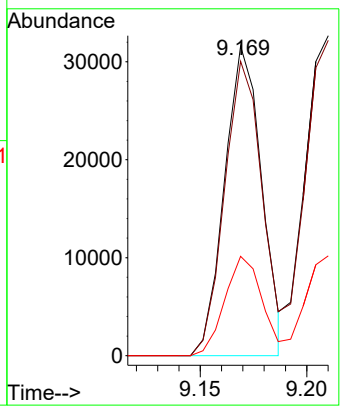


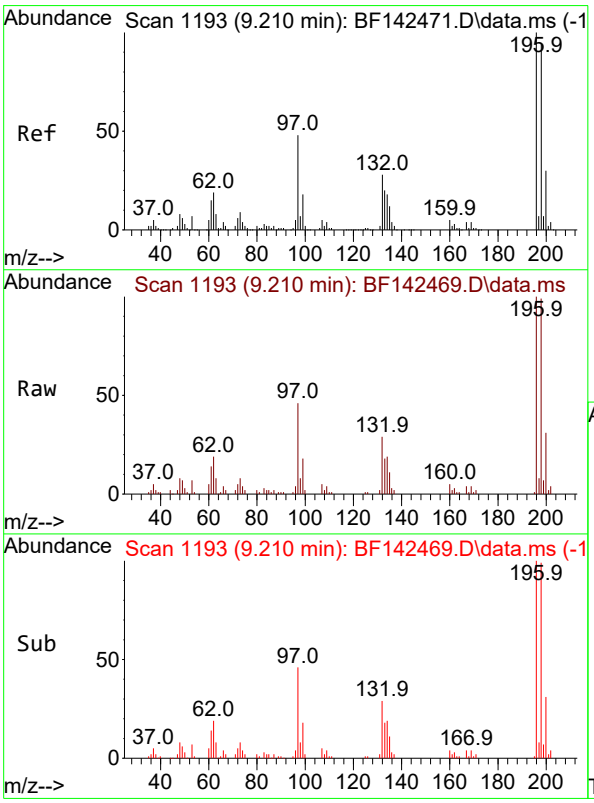
#43
2,4,6-Trichlorophenol
Concen: 9.635 ng
RT: 9.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 38354

Ion	Ratio	Lower	Upper
196	100		
198	95.1	78.8	118.2
200	32.1	24.9	37.3

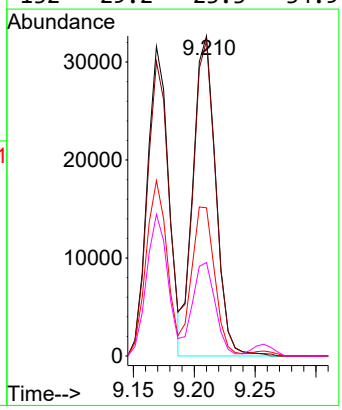


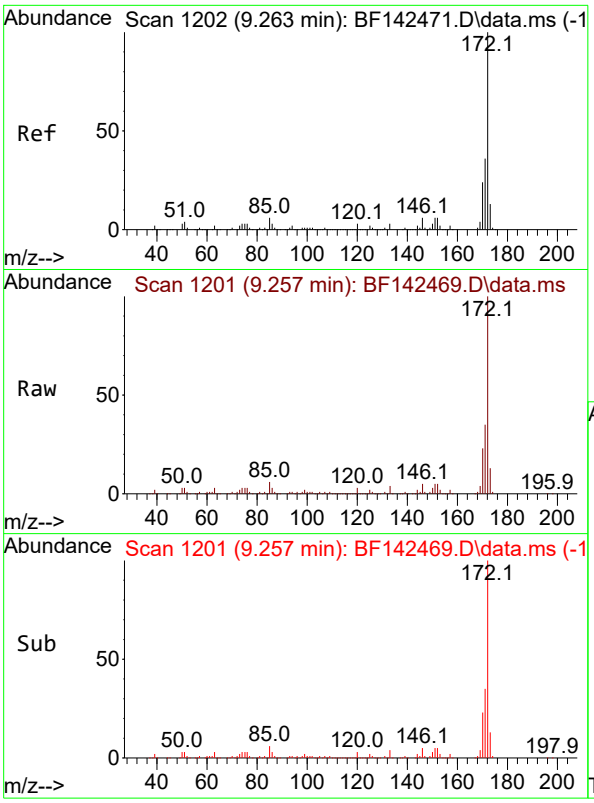


#44
2,4,5-Trichlorophenol
Concen: 10.069 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:196 Resp: 42272

Ion	Ratio	Lower	Upper
196	100		
198	98.5	75.5	113.3
97	46.3	39.3	58.9
132	29.2	23.3	34.9



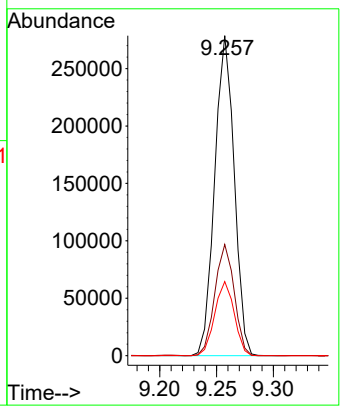


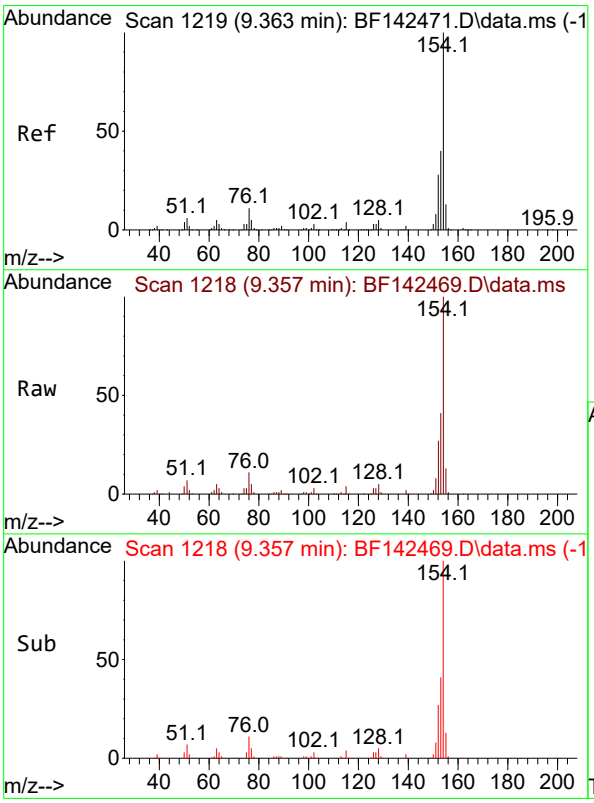
#45
2-Fluorobiphenyl
Concen: 21.719 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 332871

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	42.8
170	23.2	18.9	28.3

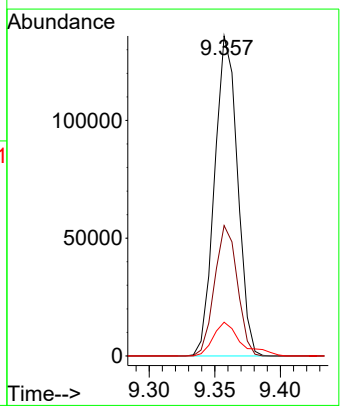


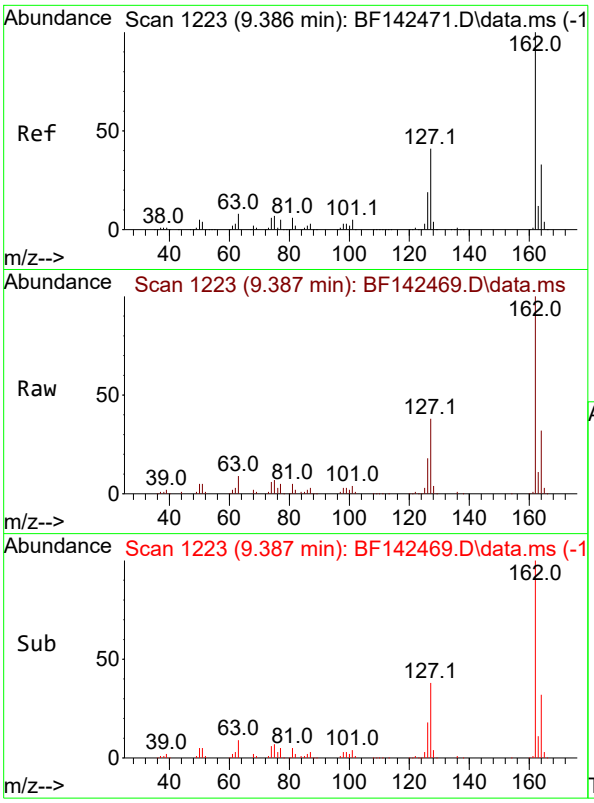


#46
1,1'-Biphenyl
Concen: 10.346 ng
RT: 9.357 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:154 Resp: 165063

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.4	60.4
76	10.6	0.0	30.8



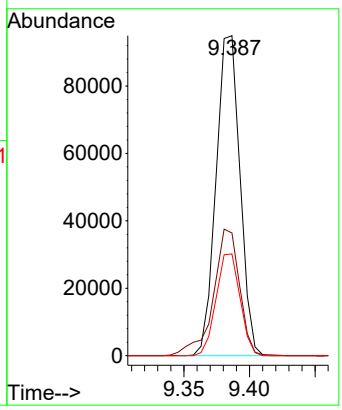


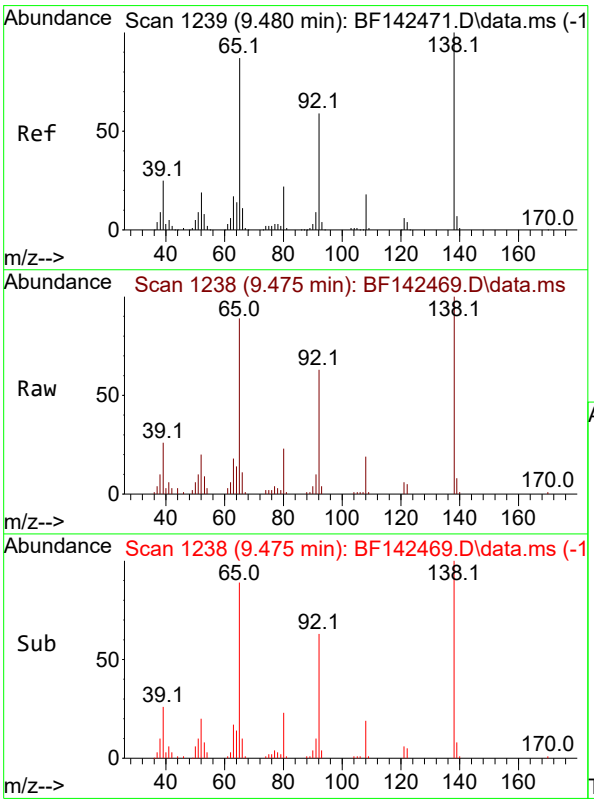
#47
2-Chloronaphthalene
Concen: 10.208 ng
RT: 9.387 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 120339

Ion	Ratio	Lower	Upper
162	100		
127	38.3	33.5	50.3
164	31.8	26.1	39.1

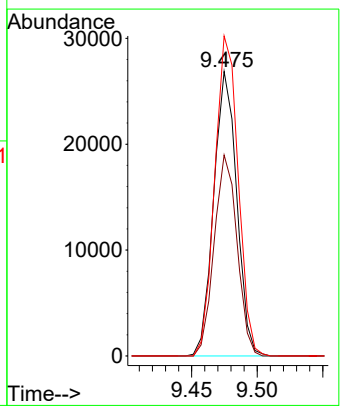


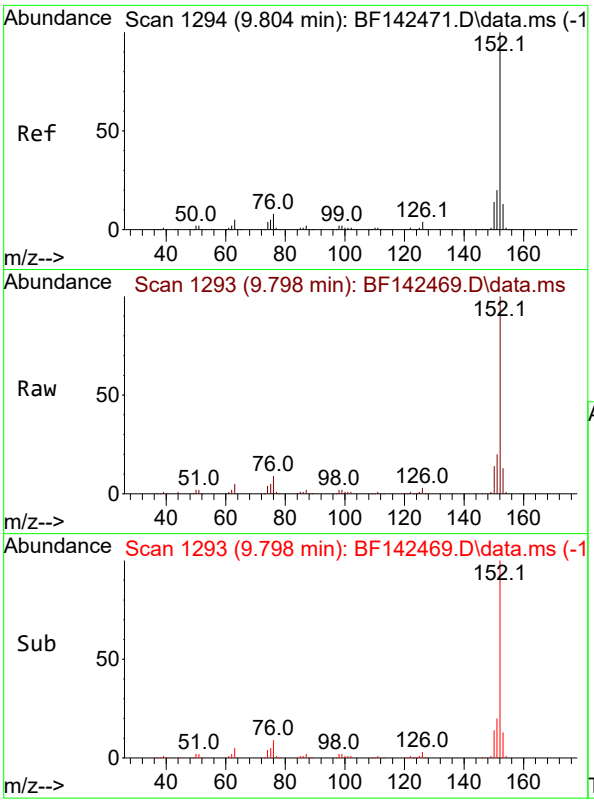


#48
2-Nitroaniline
Concen: 9.604 ng
RT: 9.475 min Scan# 1238
Delta R.T. -0.011 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion: 65 Resp: 32722

Ion	Ratio	Lower	Upper
65	100		
92	70.6	54.4	81.6
138	112.5	91.4	137.2



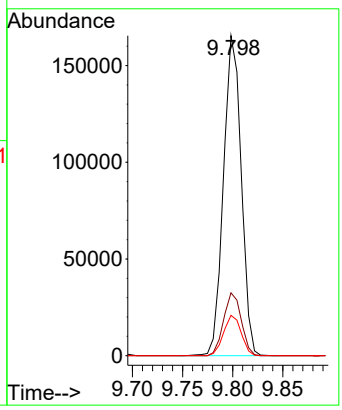


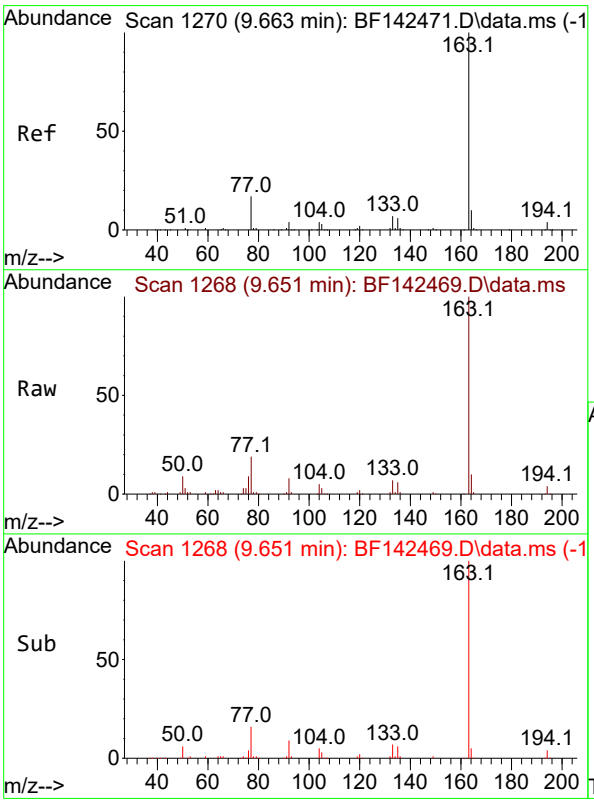
#49
Acenaphthylene
Concen: 10.237 ng
RT: 9.798 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 203767

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	12.6	10.6	15.8

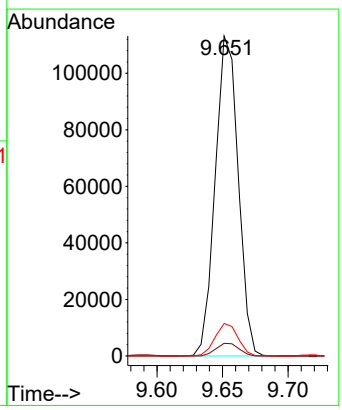


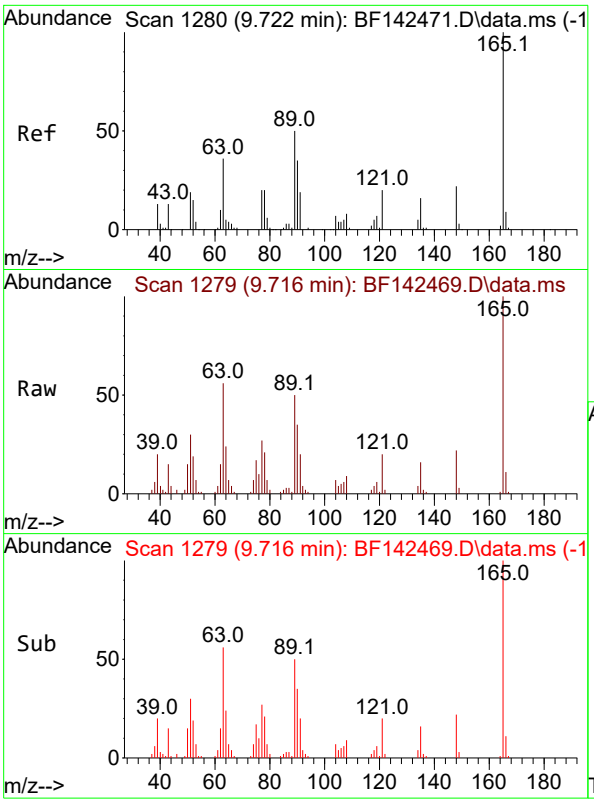


#50
Dimethylphthalate
Concen: 10.155 ng
RT: 9.651 min Scan# 1268
Delta R.T. -0.017 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:163 Resp: 137804

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.2	8.2	12.4



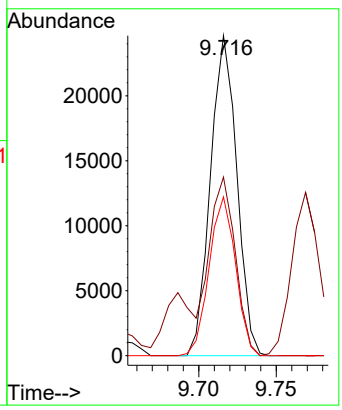


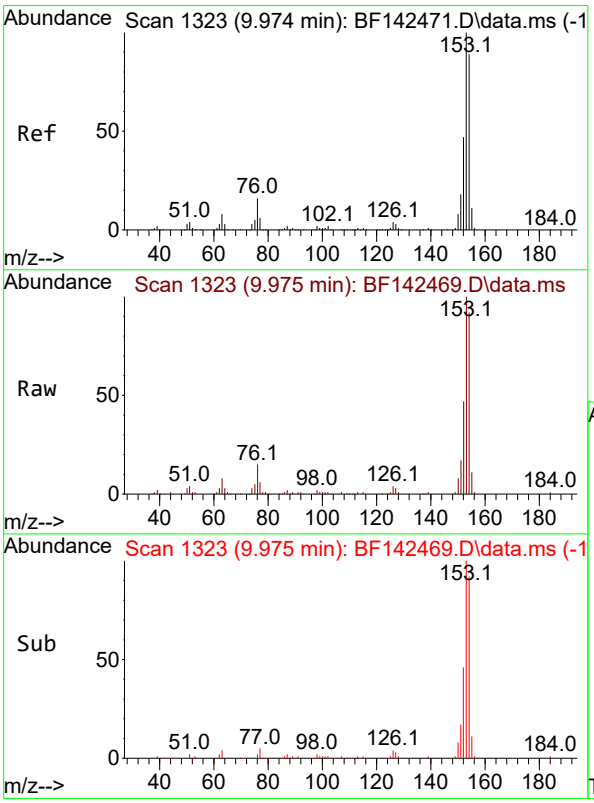
#51
2,6-Dinitrotoluene
Concen: 9.940 ng
RT: 9.716 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 29112

Ion	Ratio	Lower	Upper
165	100		
63	55.8	42.9	64.3
89	49.6	40.2	60.4

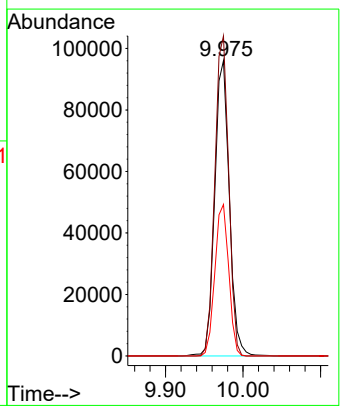


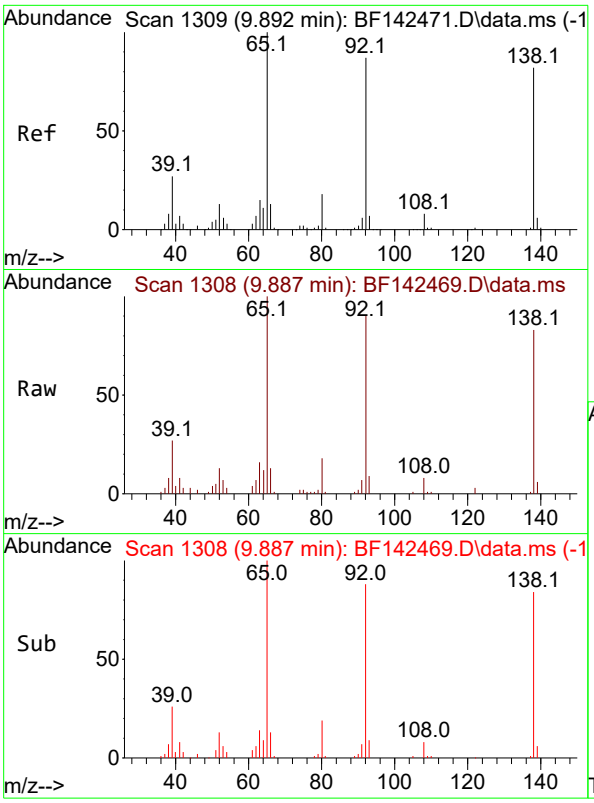


#52
Acenaphthene
Concen: 10.339 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.005 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:154 Resp: 125669

Ion	Ratio	Lower	Upper
154	100		
153	108.4	90.0	135.0
152	51.3	42.6	64.0



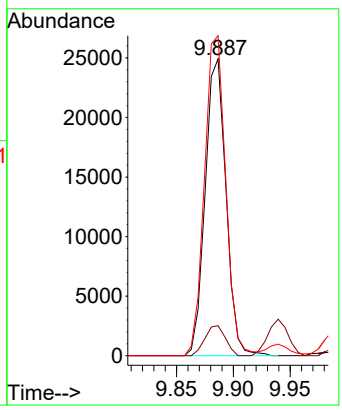


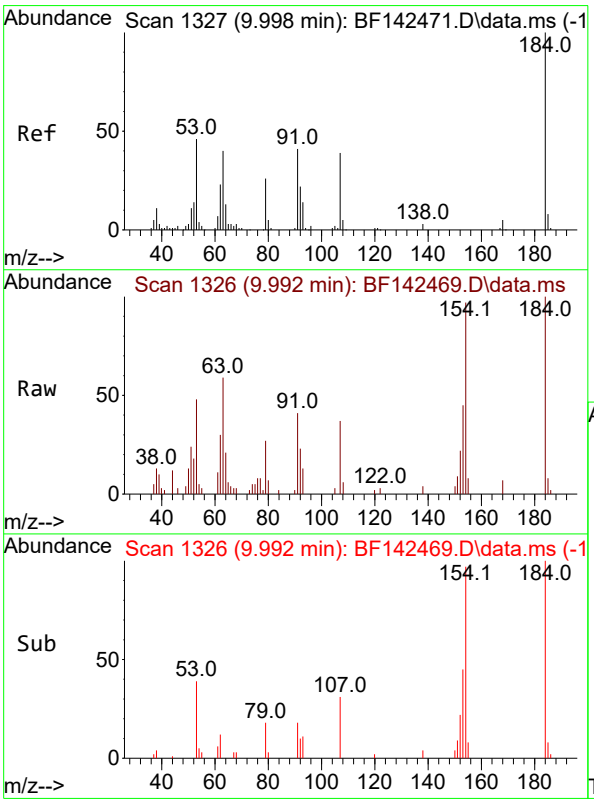
#53
3-Nitroaniline
Concen: 9.947 ng
RT: 9.887 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 31820

Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.1	12.1
92	107.8	85.2	127.8

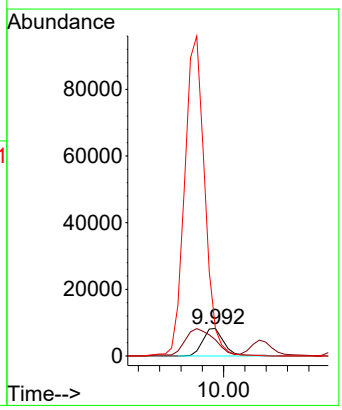


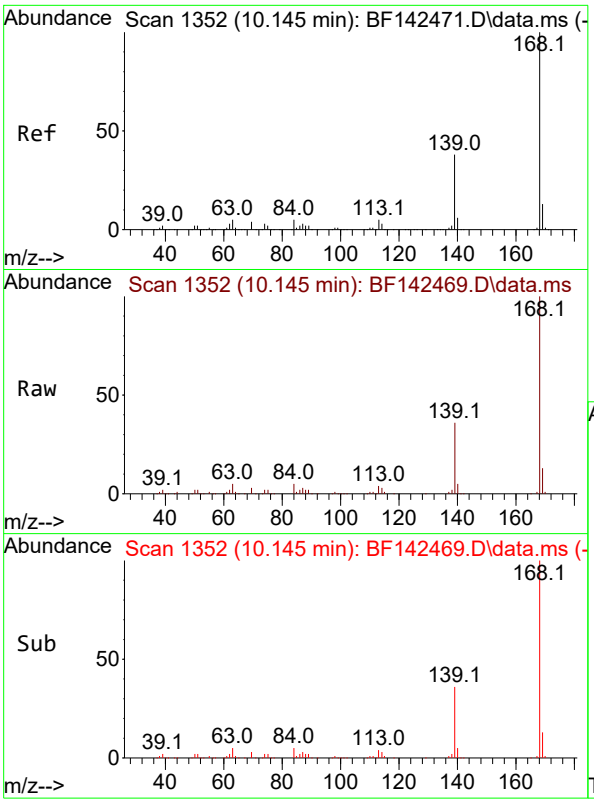


#54
2,4-Dinitrophenol
Concen: 7.502 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:184 Resp: 11352

Ion	Ratio	Lower	Upper
184	100		
63	58.7	46.3	69.5
154	97.5	56.8	85.2#



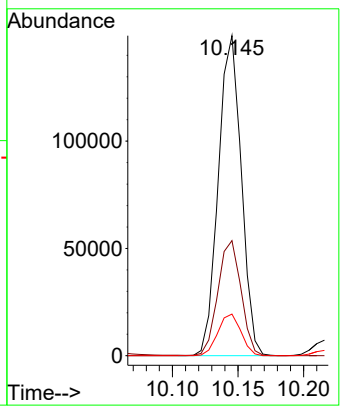


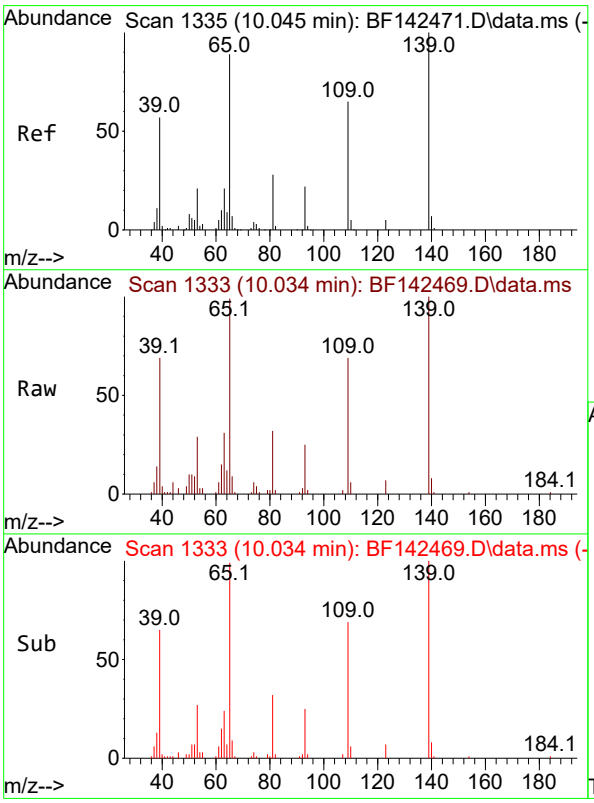
#55
Dibenzofuran
Concen: 10.380 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 181558

Ion	Ratio	Lower	Upper
168	100		
139	36.0	30.2	45.2
169	13.0	10.7	16.1

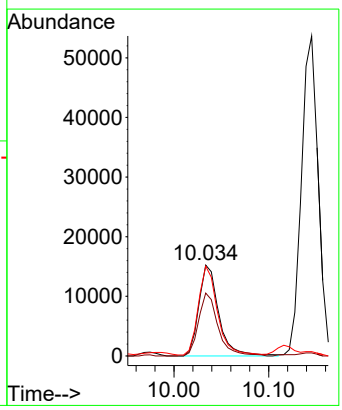


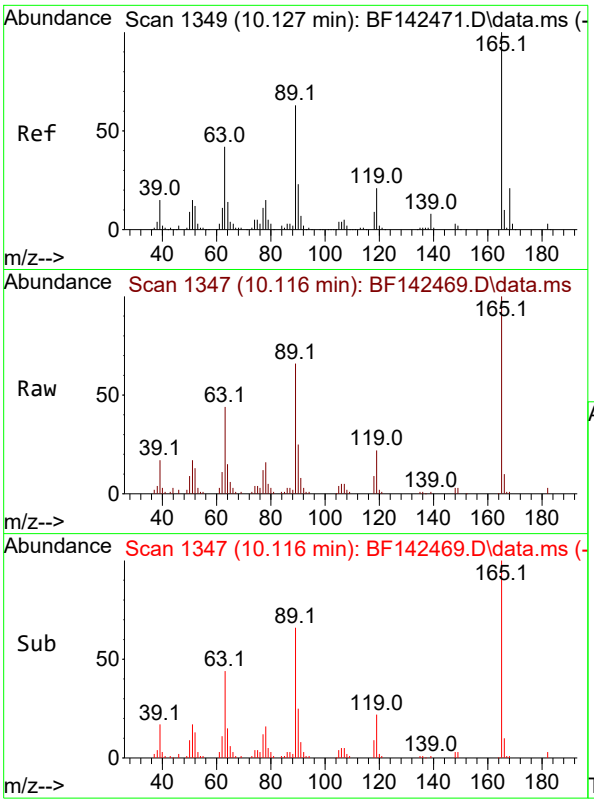


#56
4-Nitrophenol
Concen: 9.456 ng
RT: 10.034 min Scan# 1333
Delta R.T. -0.017 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:139 Resp: 22320

Ion	Ratio	Lower	Upper
139	100		
109	69.1	45.1	85.1
65	98.8	69.7	109.7



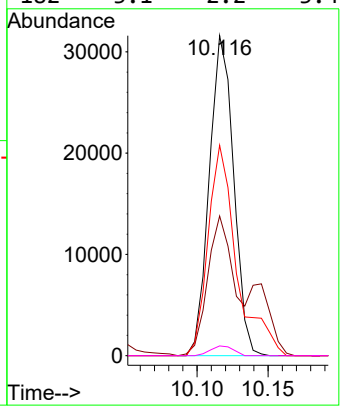


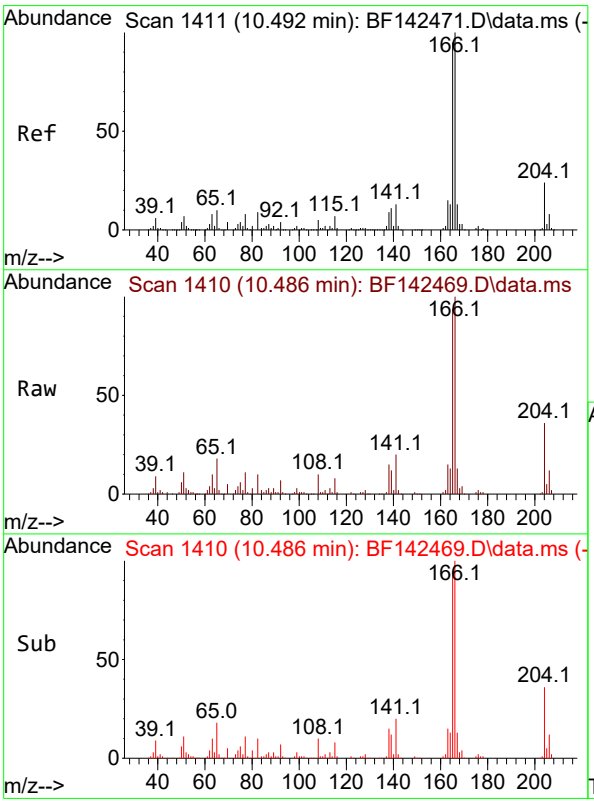
#57
2,4-Dinitrotoluene
Concen: 9.869 ng
RT: 10.116 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 37749

Ion	Ratio	Lower	Upper
165	100		
63	43.7	33.6	50.4
89	65.7	50.2	75.4
182	3.1	2.2	3.4

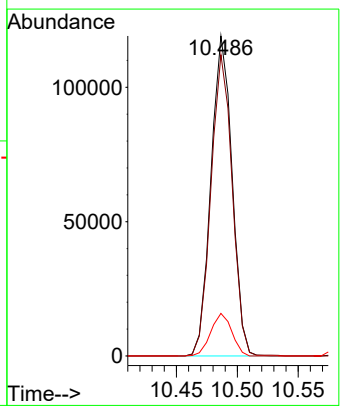


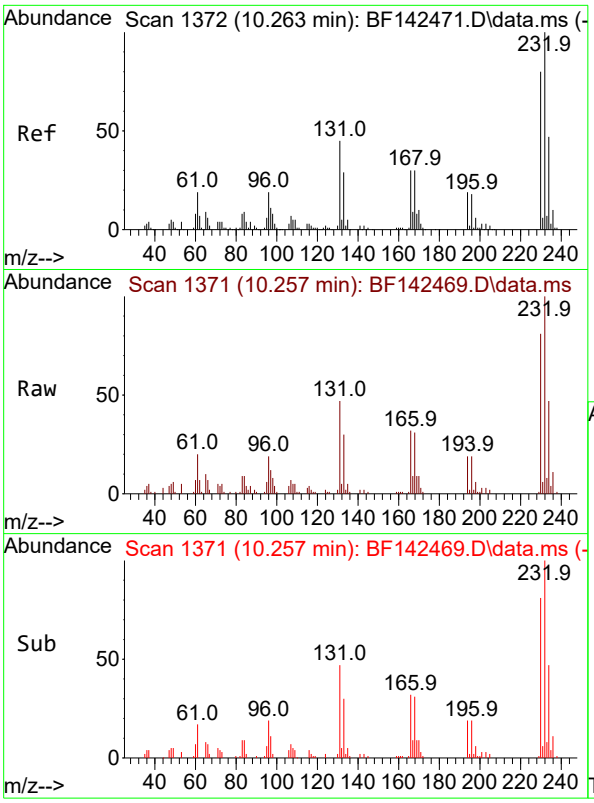


#58
Fluorene
Concen: 10.648 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:166 Resp: 143883

Ion	Ratio	Lower	Upper
166	100		
165	94.2	75.8	113.8
167	13.3	10.6	16.0



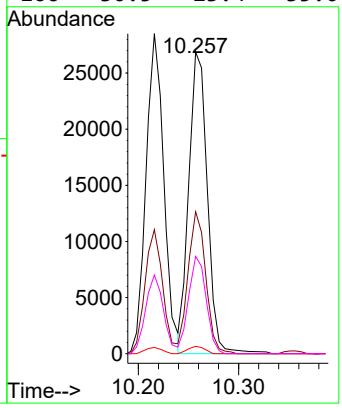


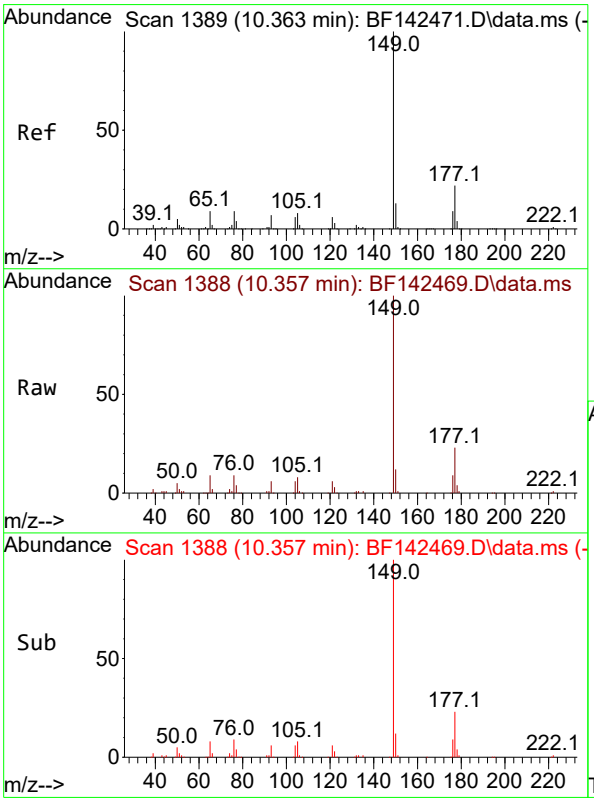
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.857 ng
RT: 10.257 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 34548

Ion	Ratio	Lower	Upper
232	100		
131	44.5	35.2	52.8
130	2.2	1.7	2.5
166	30.5	23.4	35.0

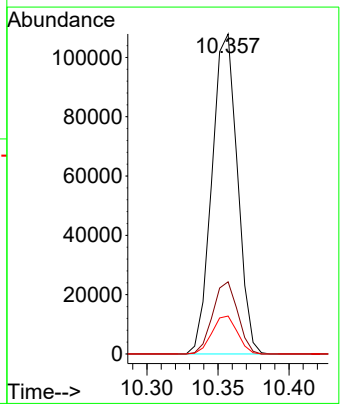


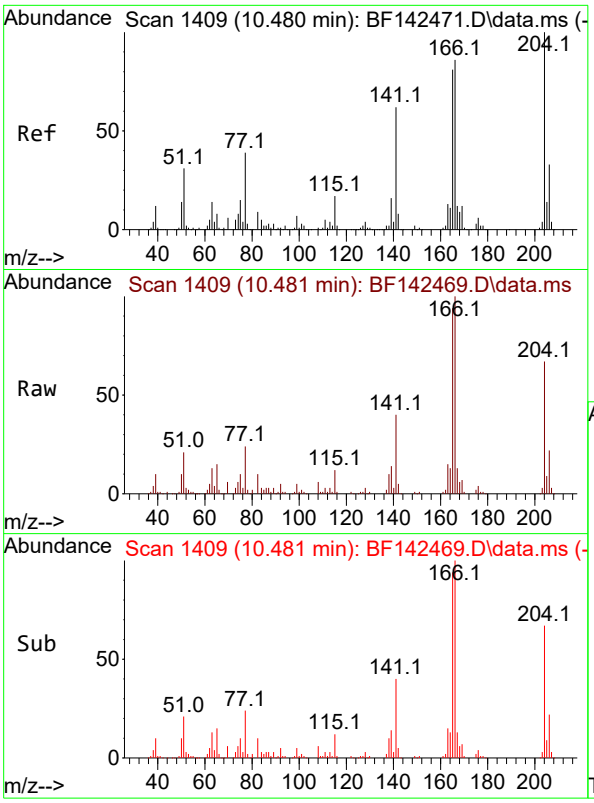


#60
Diethylphthalate
Concen: 10.161 ng
RT: 10.357 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:149 Resp: 134662

Ion	Ratio	Lower	Upper
149	100		
177	22.5	17.6	26.4
150	11.8	10.1	15.1



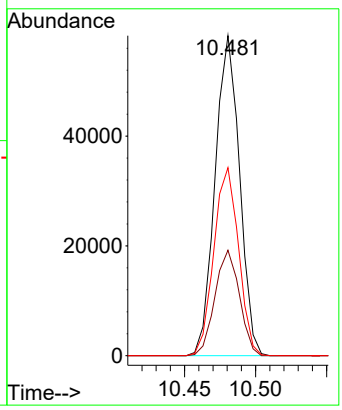


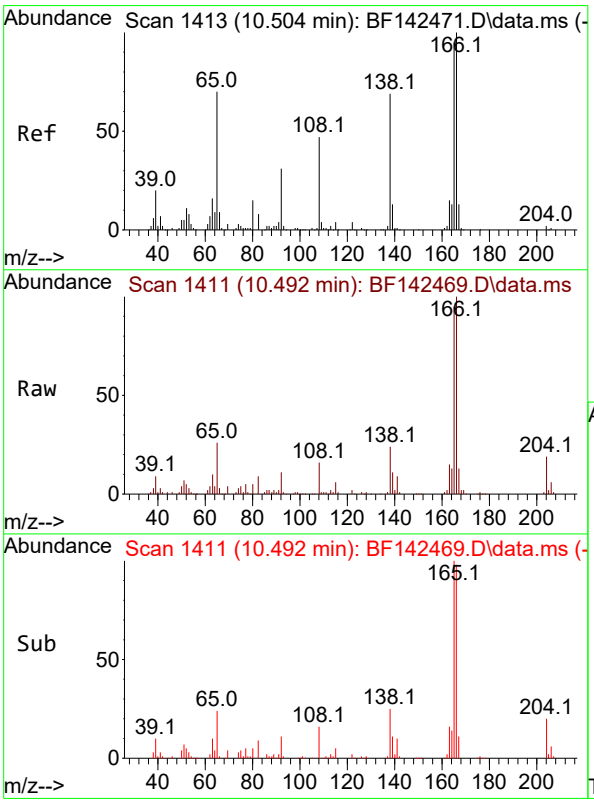
#61
4-Chlorophenyl-phenylether
Concen: 10.506 ng
RT: 10.481 min Scan# 14
Delta R.T. -0.005 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 69739

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.3	39.5
141	58.7	49.5	74.3

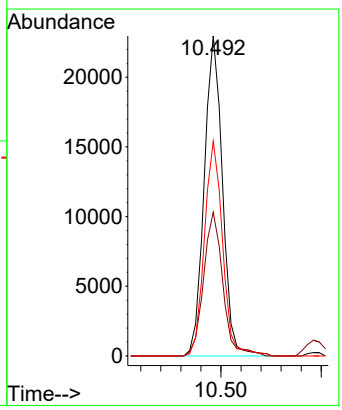


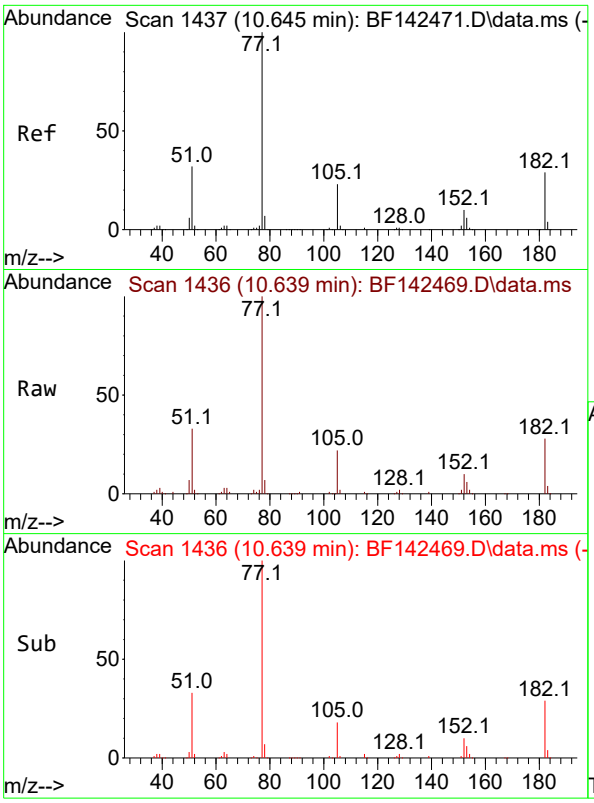


#62
4-Nitroaniline
Concen: 10.038 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.023 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:138 Resp: 29122

Ion	Ratio	Lower	Upper
138	100		
92	45.0	26.0	66.0
108	67.1	48.4	88.4



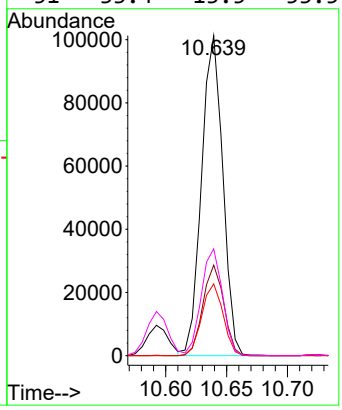


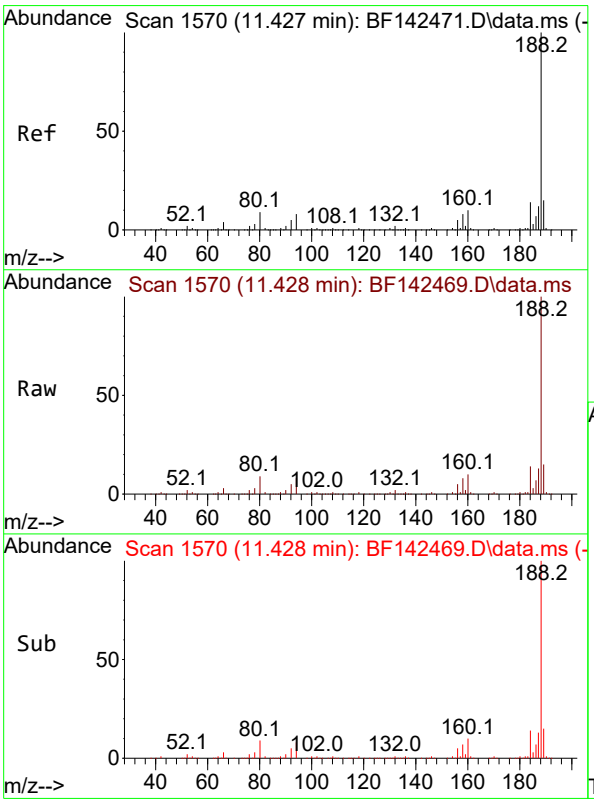
#63
Azobenzene
Concen: 10.317 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 122806

Ion	Ratio	Lower	Upper
77	100		
182	28.3	9.0	49.0
105	22.5	2.4	42.4
51	33.4	13.5	53.5

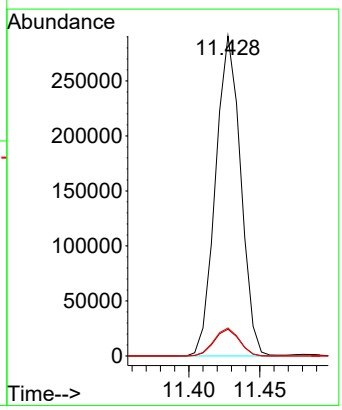


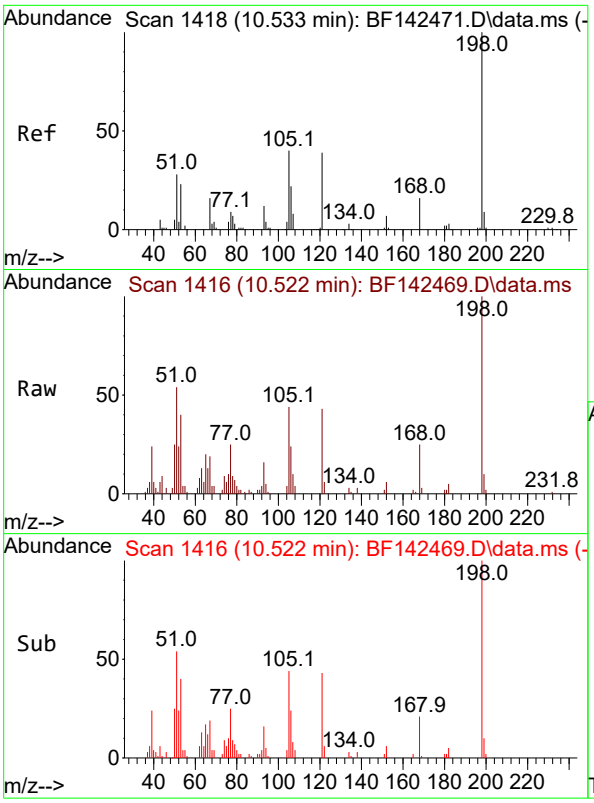


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:188 Resp: 357871

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	8.7	7.4	11.0



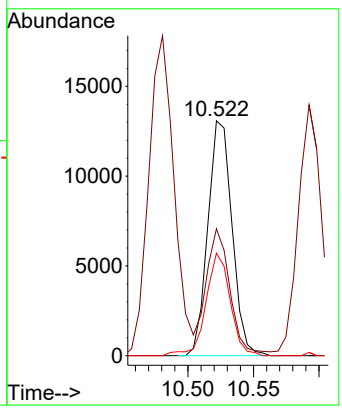


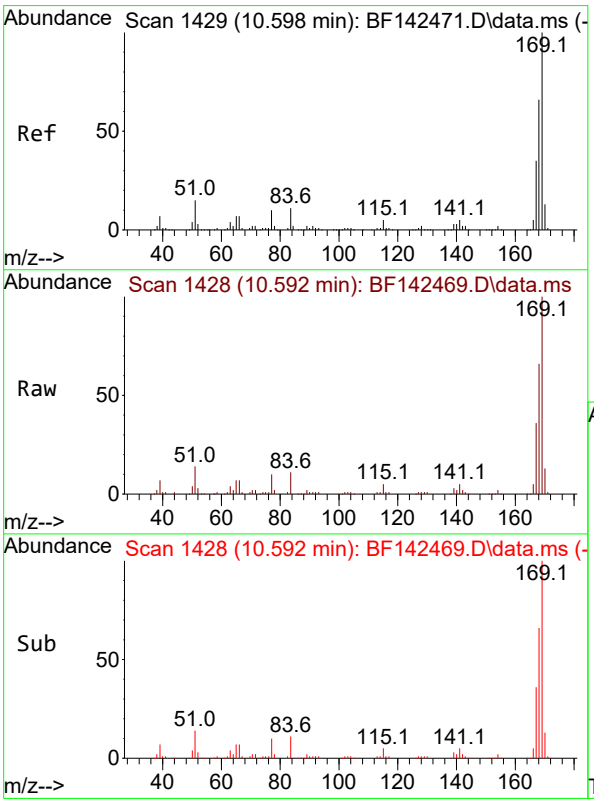
#65
4,6-Dinitro-2-methylphenol
Concen: 8.403 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 16782

Ion	Ratio	Lower	Upper
198	100		
51	54.0	28.3	68.3
105	43.7	21.3	61.3

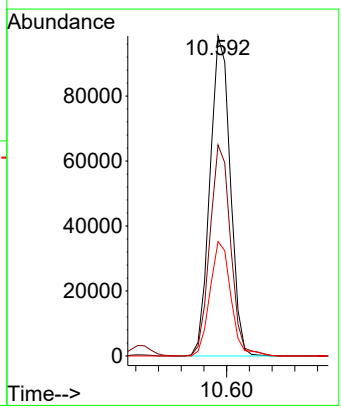


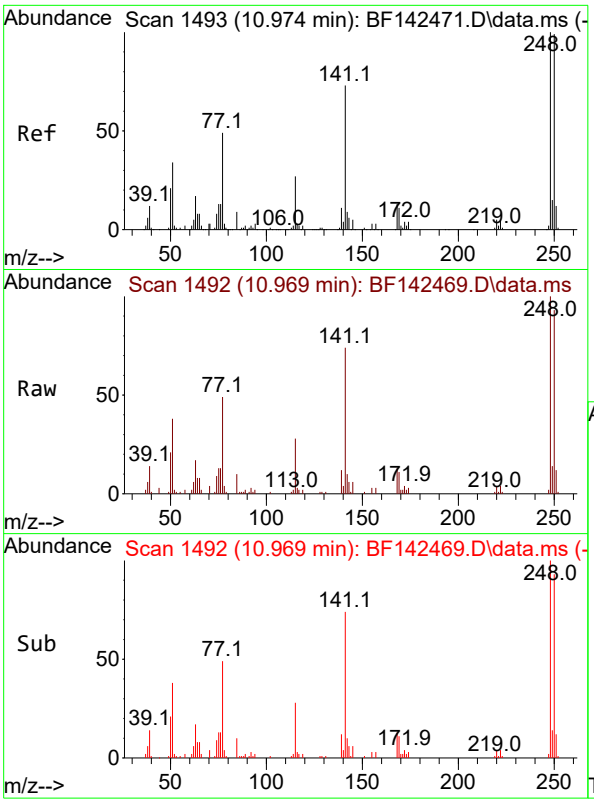


#66
n-Nitrosodiphenylamine
Concen: 9.961 ng
RT: 10.592 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:169 Resp: 121959

Ion	Ratio	Lower	Upper
169	100		
168	66.0	52.7	79.1
167	35.8	28.3	42.5



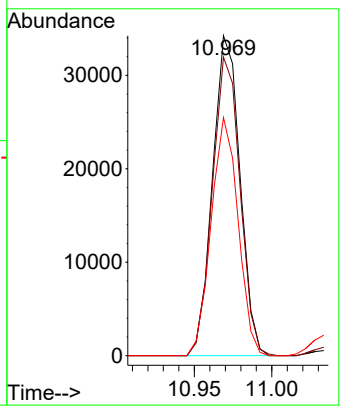


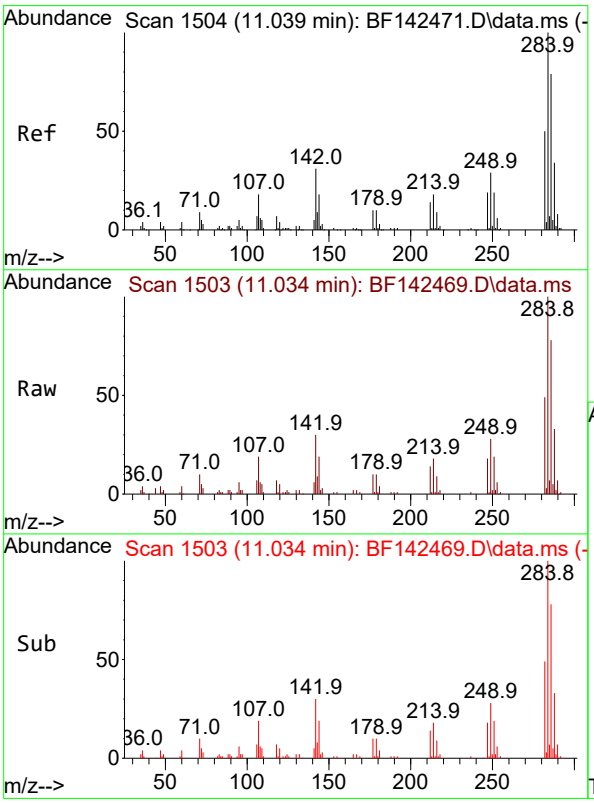
#67
4-Bromophenyl-phenylether
Concen: 9.939 ng
RT: 10.969 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 42057

Ion	Ratio	Lower	Upper
248	100		
250	93.3	79.0	118.4
141	74.4	58.4	87.6

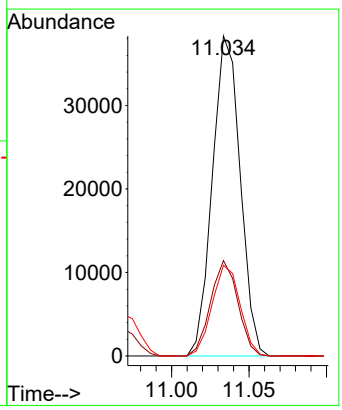


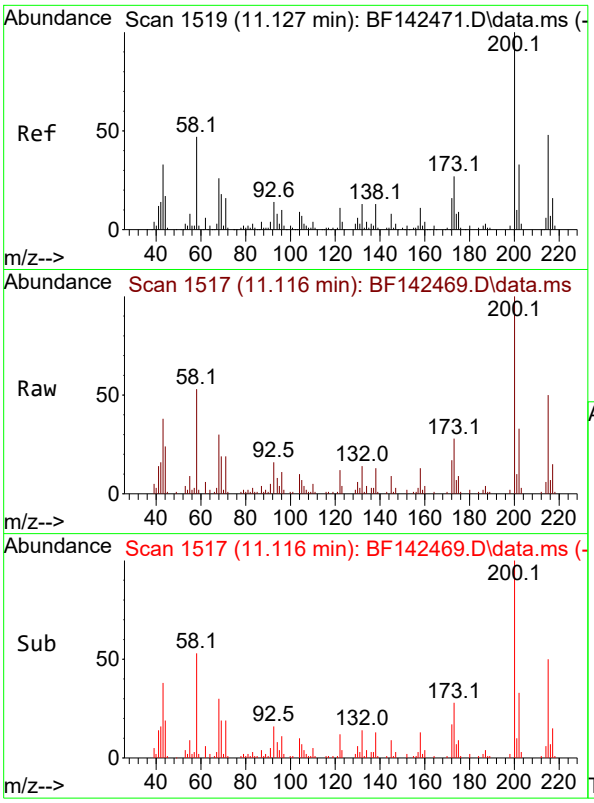


#68
Hexachlorobenzene
Concen: 10.207 ng
RT: 11.034 min Scan# 1503
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:284 Resp: 47773

Ion	Ratio	Lower	Upper
284	100		
142	29.8	24.8	37.2
249	28.4	23.6	35.4



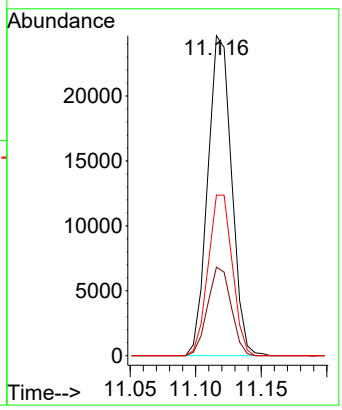


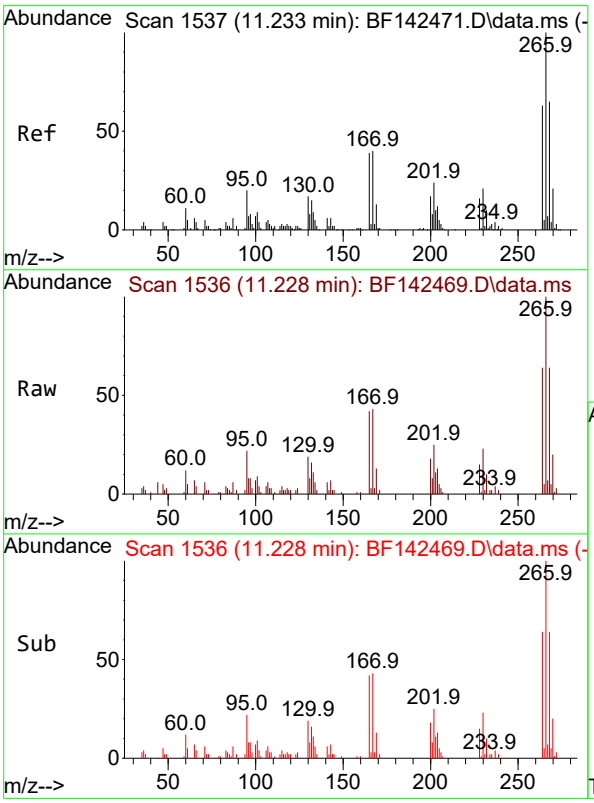
#69
Atrazine
Concen: 9.591 ng
RT: 11.116 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 31184

Ion	Ratio	Lower	Upper
200	100		
173	27.7	7.4	47.4
215	50.2	28.5	68.5

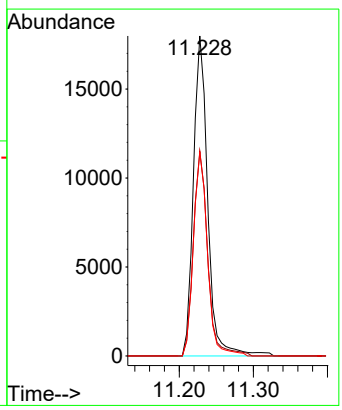


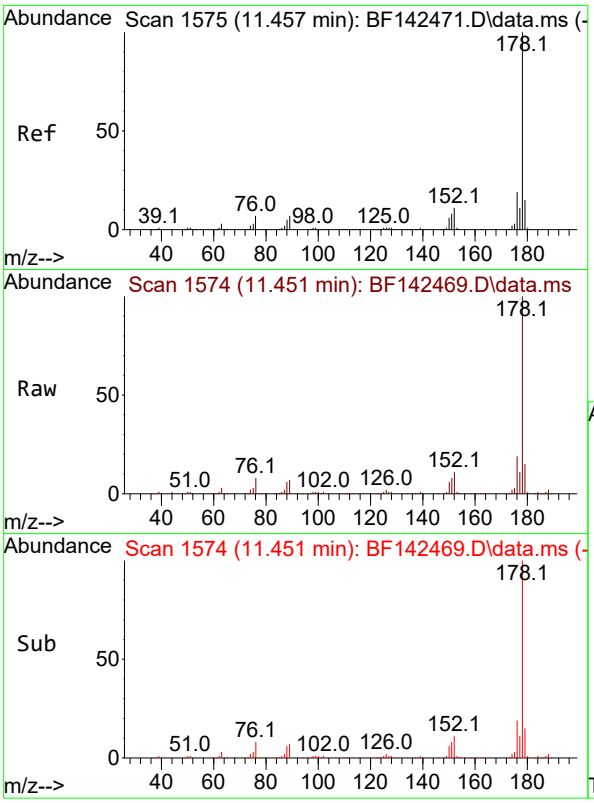


#70
Pentachlorophenol
Concen: 9.126 ng
RT: 11.228 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:266 Resp: 24115

Ion	Ratio	Lower	Upper
266	100		
268	63.9	51.7	77.5
264	63.7	50.4	75.6



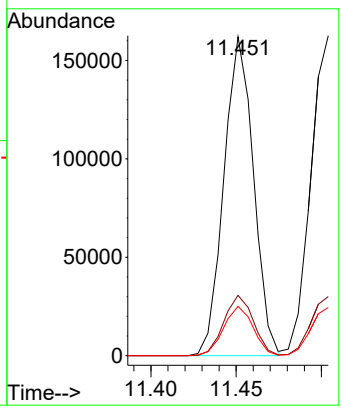


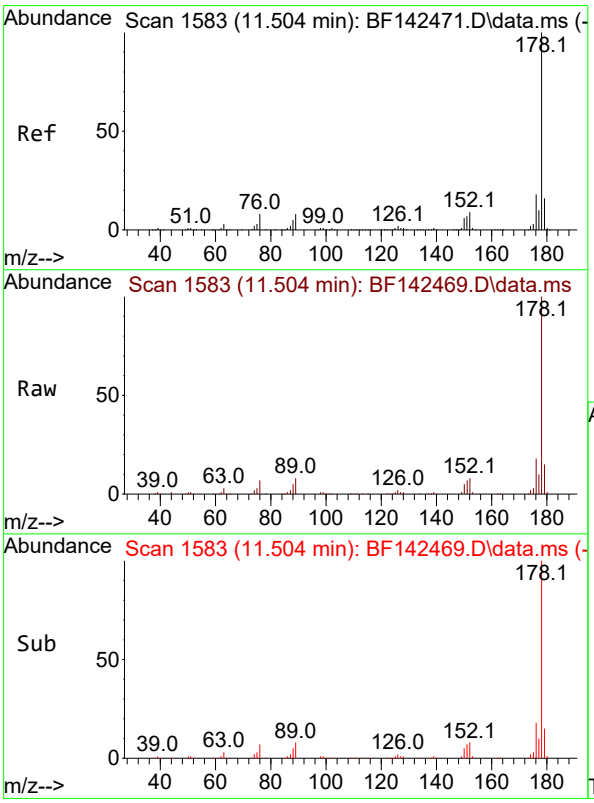
#71
Phenanthrene
Concen: 10.231 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 195667

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	15.5	12.3	18.5

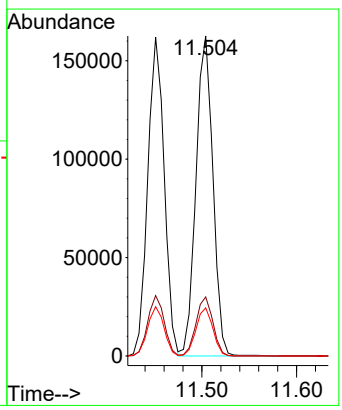


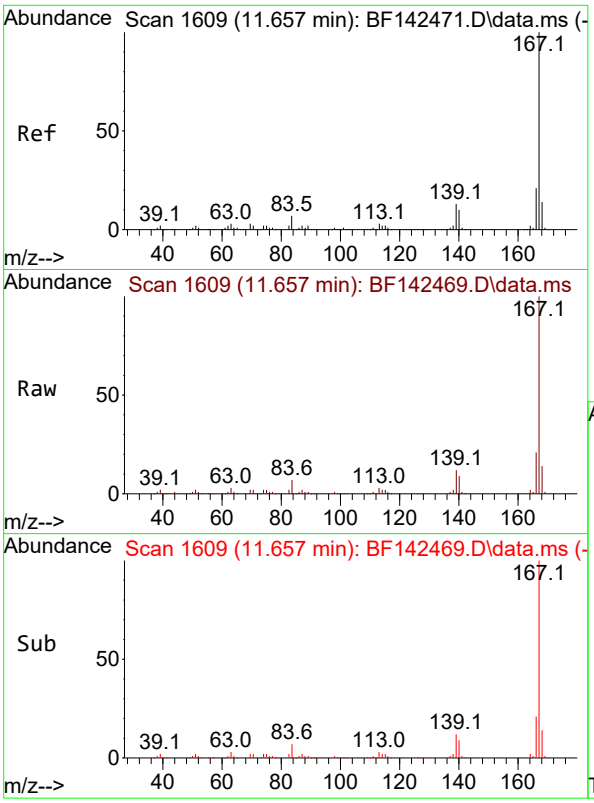


#72
Anthracene
Concen: 10.375 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:178 Resp: 202509

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	15.0	12.4	18.6



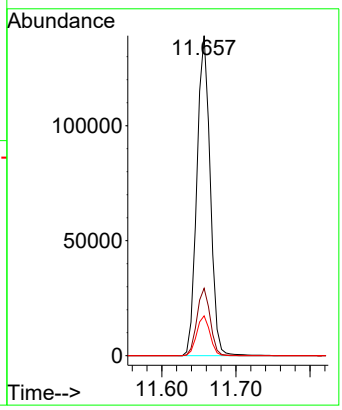


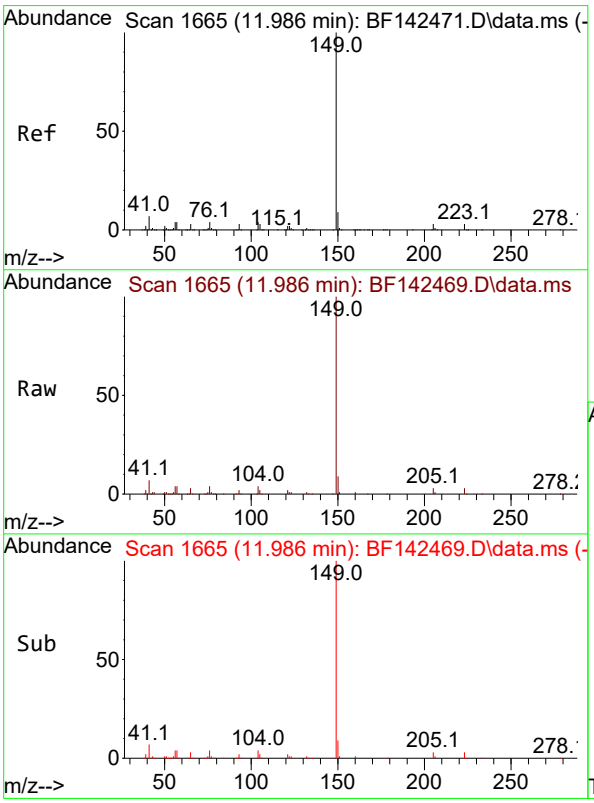
#73
Carbazole
Concen: 10.381 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 173217

Ion	Ratio	Lower	Upper
167	100		
166	21.0	16.9	25.3
139	12.5	10.2	15.4

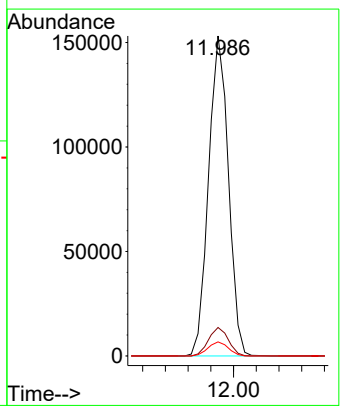


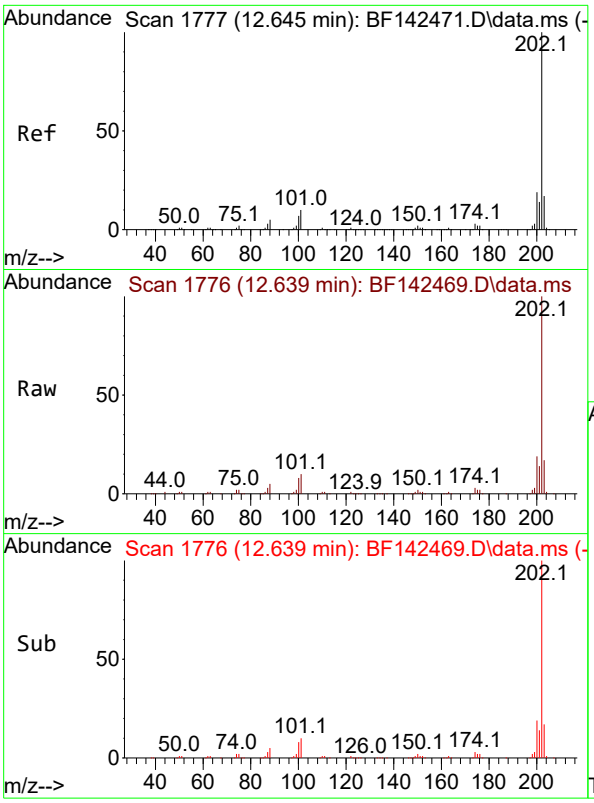


#74
Di-n-butylphthalate
Concen: 10.177 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:149 Resp: 185880

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.3	10.9
104	4.4	3.6	5.4



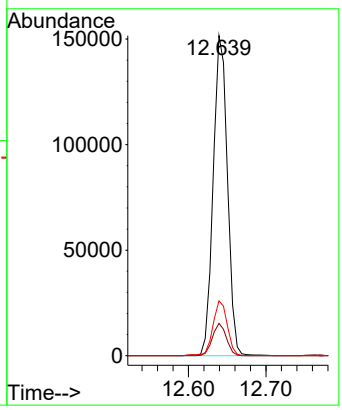


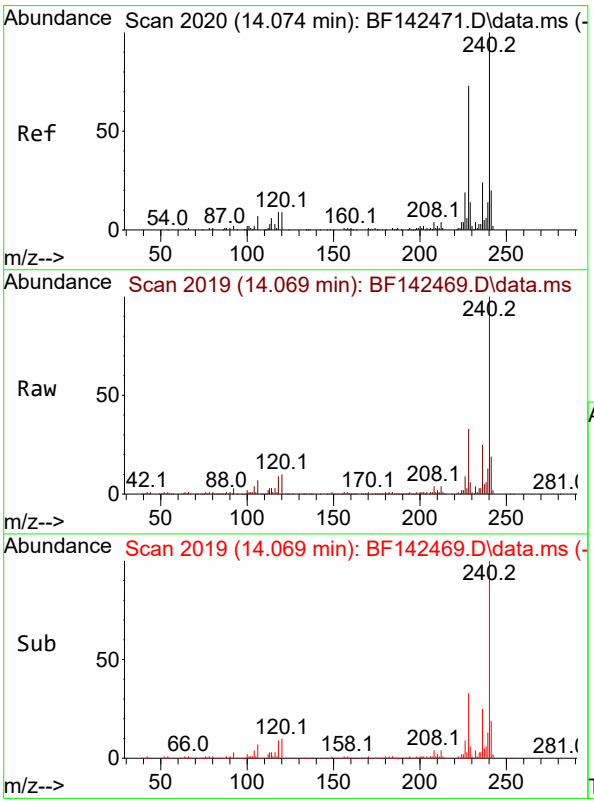
#75
Fluoranthene
Concen: 10.825 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 193456

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	29.6
203	17.2	0.0	37.2

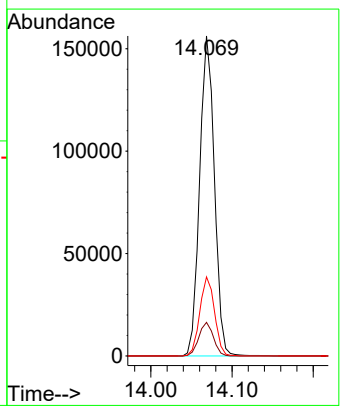


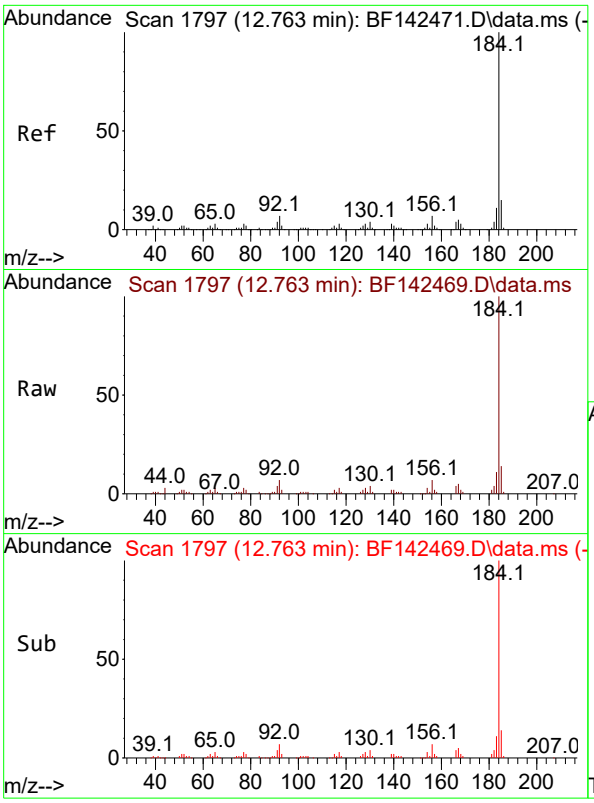


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:240 Resp: 197144

Ion	Ratio	Lower	Upper
240	100		
120	10.5	7.5	11.3
236	24.7	19.6	29.4



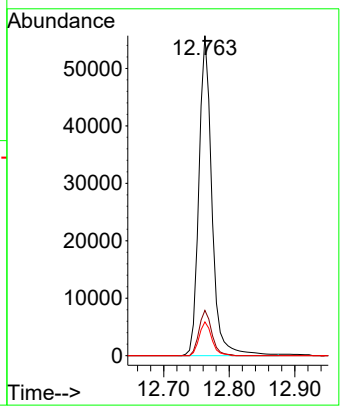


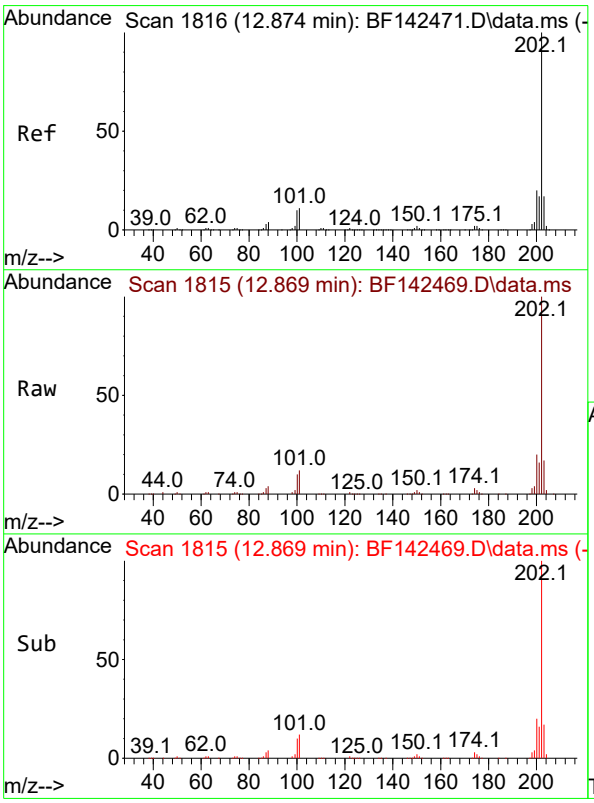
#77
Benzidine
Concen: 10.508 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 77091

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.6	17.4
183	10.6	9.0	13.4

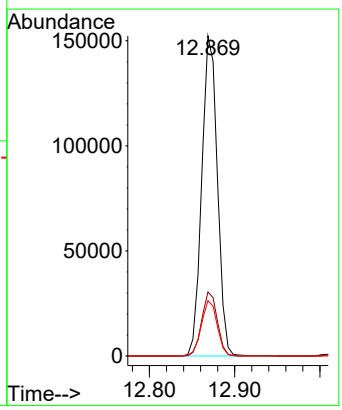


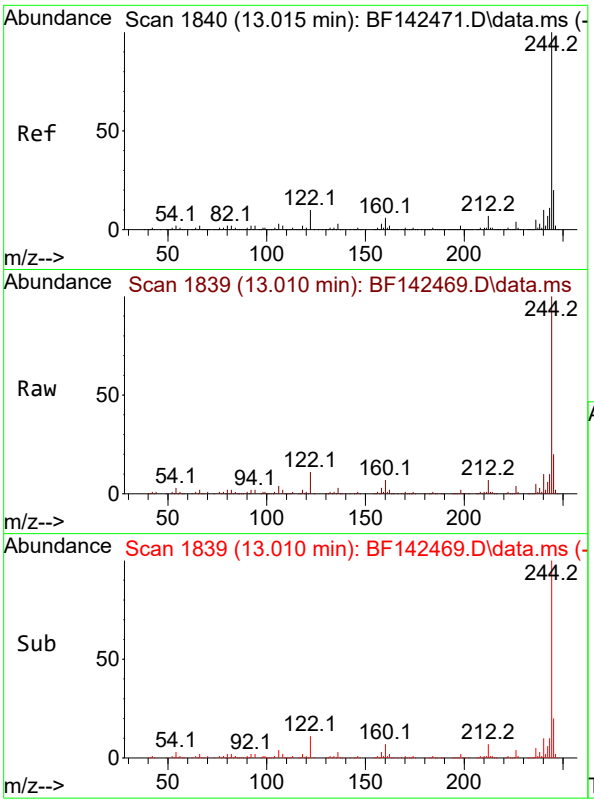


#78
Pyrene
Concen: 10.540 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:202 Resp: 193842

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.1	24.1
203	17.3	13.9	20.9



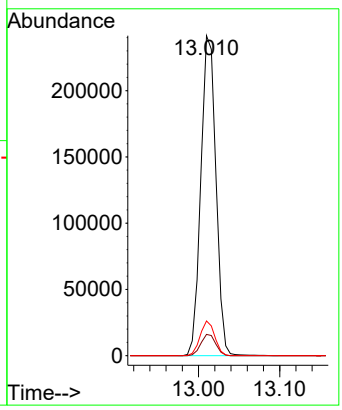


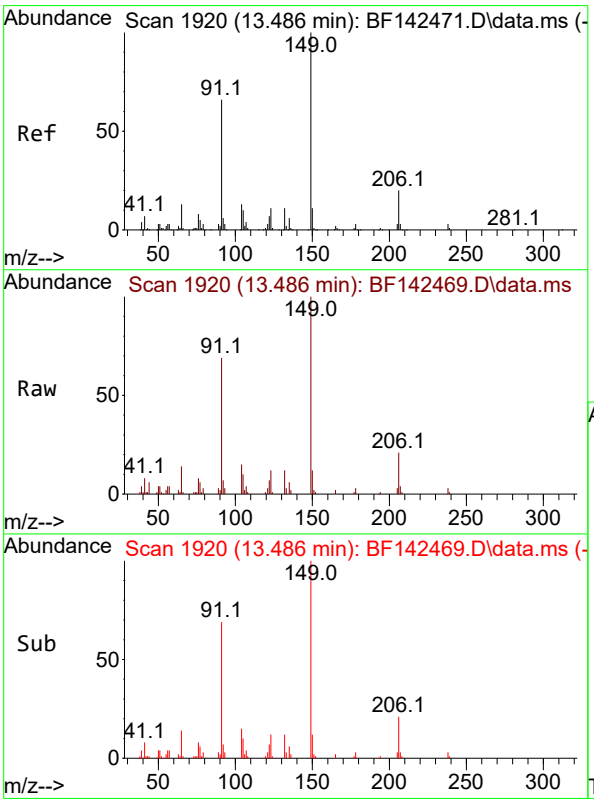
#79
Terphenyl-d14
Concen: 21.612 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 311785

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	10.9	8.2	12.2

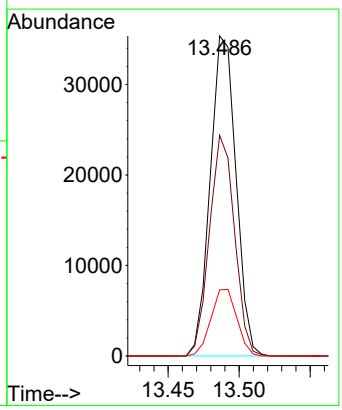


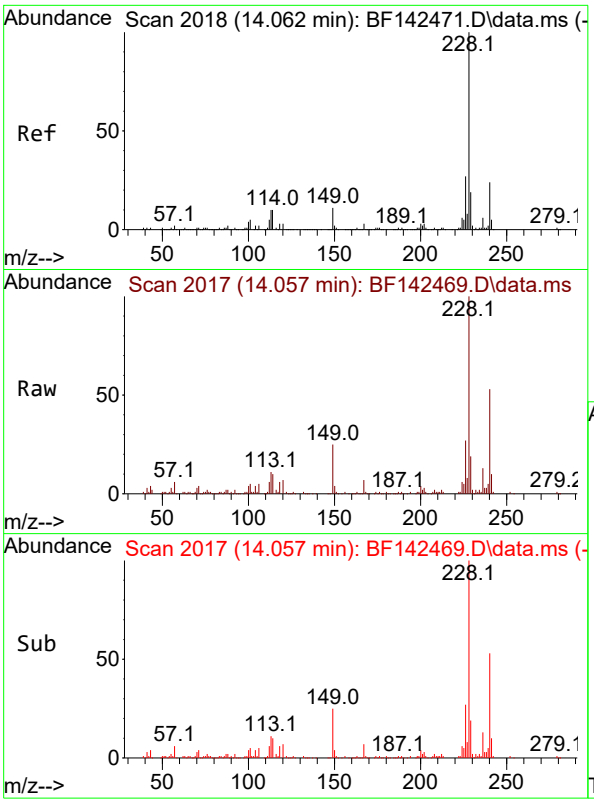


#80
Butylbenzylphthalate
Concen: 8.793 ng
RT: 13.486 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:149 Resp: 44682

Ion	Ratio	Lower	Upper
149	100		
91	69.0	52.9	79.3
206	20.6	16.2	24.2



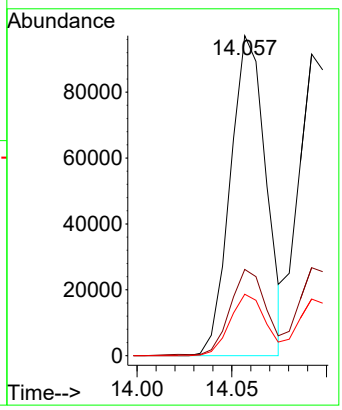


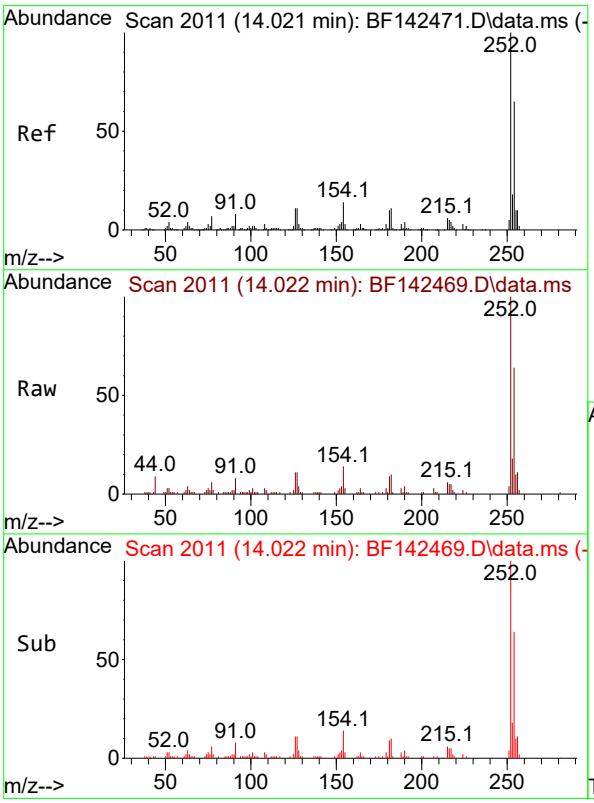
#81
Benzo(a)anthracene
Concen: 9.639 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 126886

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.2	31.8
229	19.2	15.5	23.3

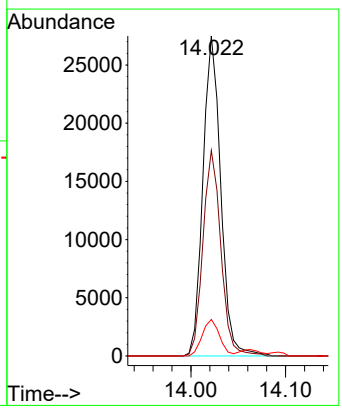


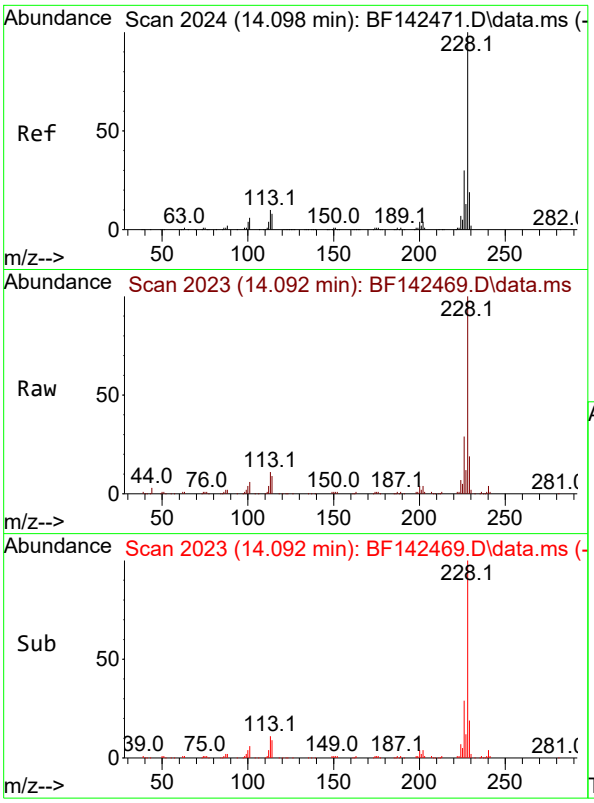


#82
3,3'-Dichlorobenzidine
Concen: 8.977 ng
RT: 14.022 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:252 Resp: 35845

Ion	Ratio	Lower	Upper
252	100		
254	64.2	52.0	78.0
126	11.4	8.9	13.3



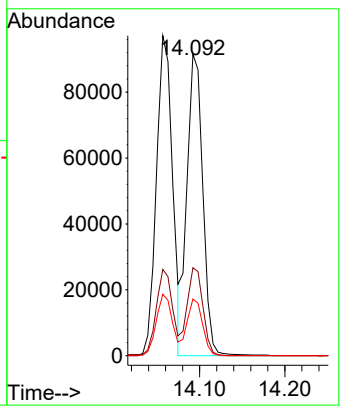


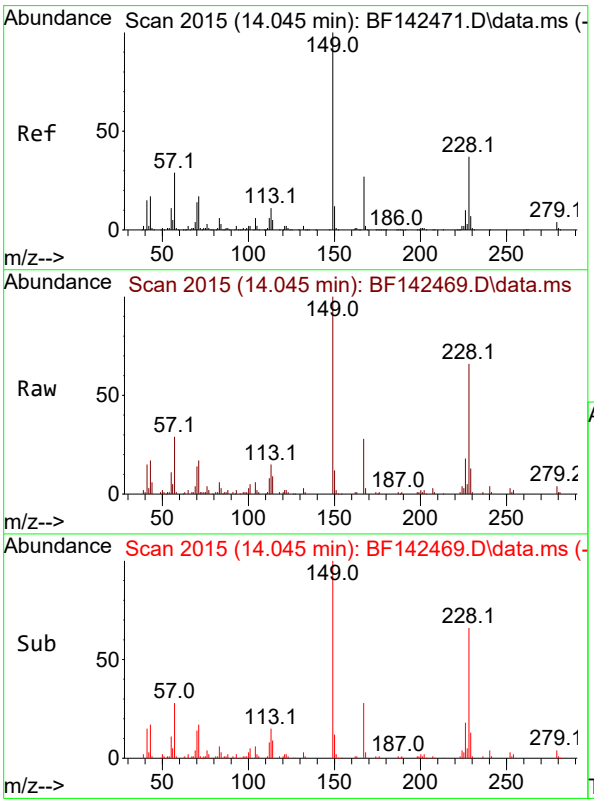
#83
Chrysene
Concen: 10.032 ng
RT: 14.092 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 118674

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.8	35.6
229	18.8	15.4	23.2

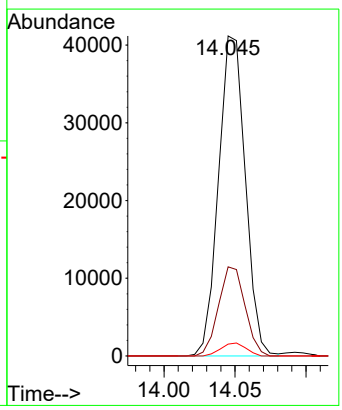


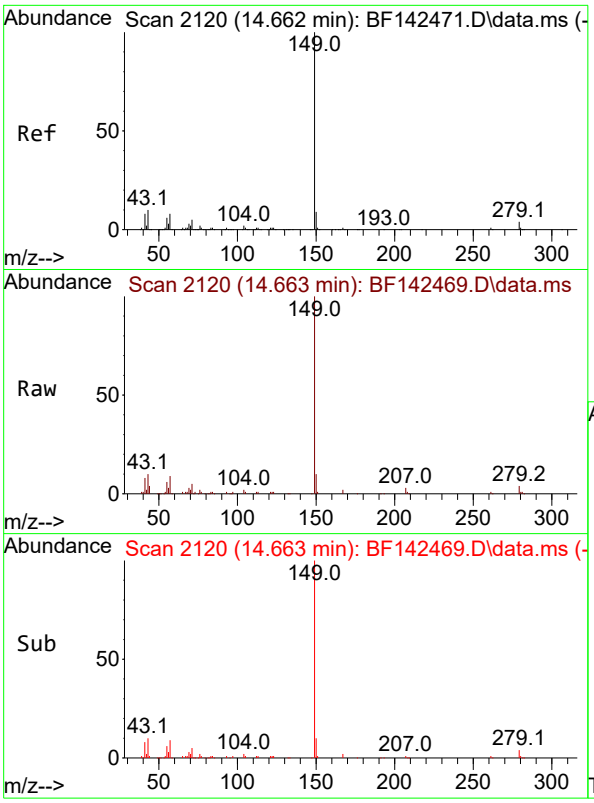


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.310 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:149 Resp: 54056

Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.5	32.3
279	3.7	3.2	4.8



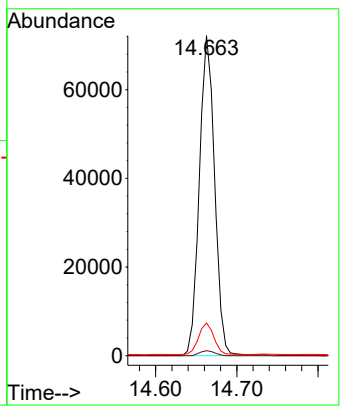


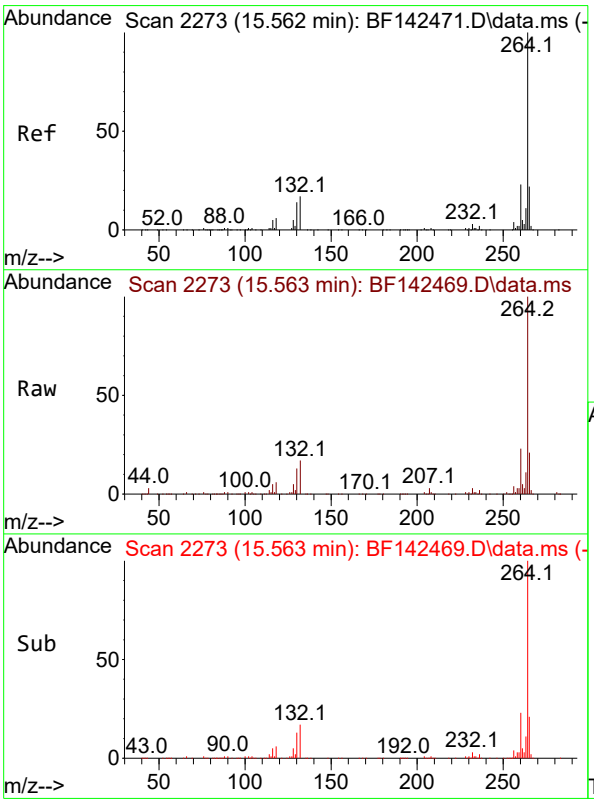
#85
Di-n-octyl phthalate
Concen: 7.425 ng
RT: 14.663 min Scan# 21
Delta R.T. -0.005 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 94445

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.8	7.9	11.9

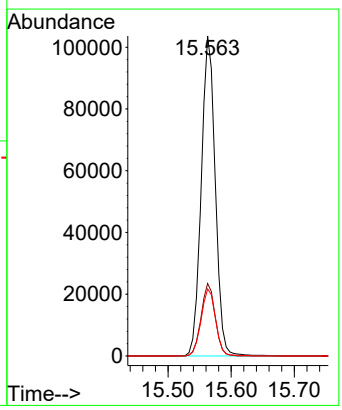


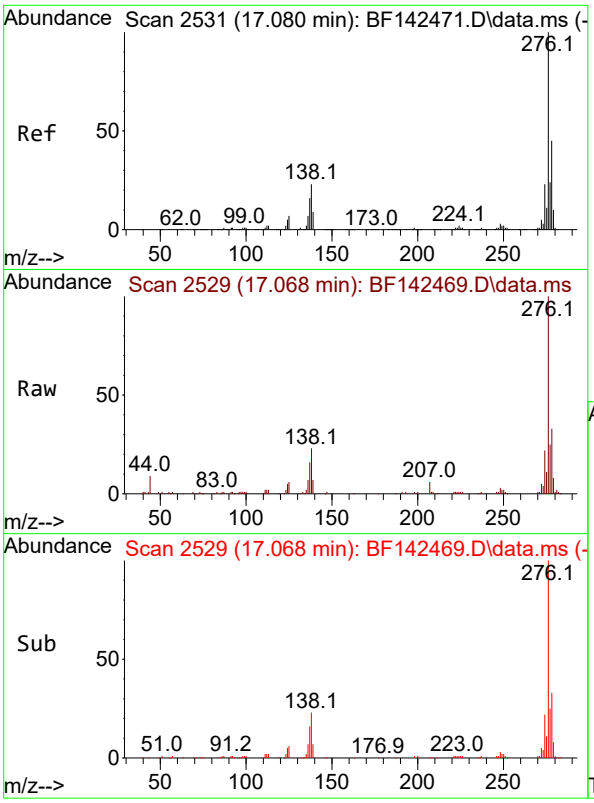


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:264 Resp: 160066

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.6	28.0
265	20.9	17.7	26.5



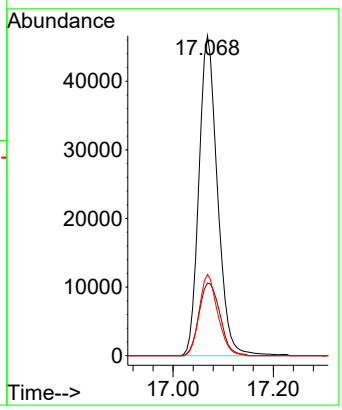


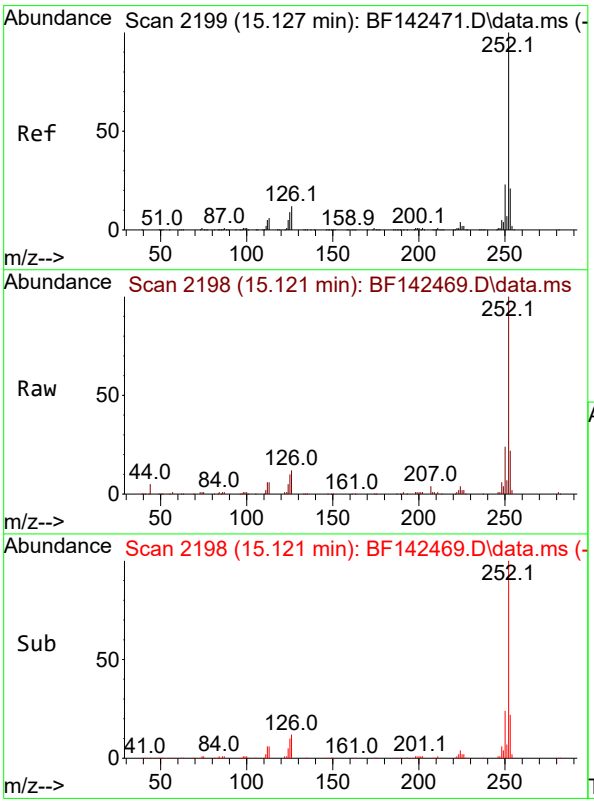
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.956 ng
RT: 17.068 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 119642

Ion	Ratio	Lower	Upper
276	100		
138	25.8	19.9	29.9
277	25.3	20.2	30.2

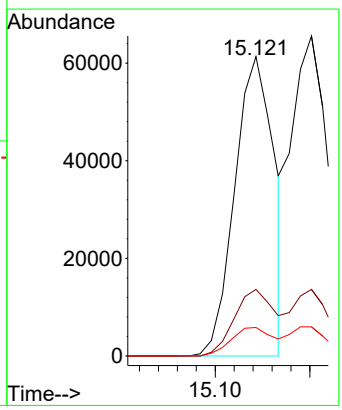


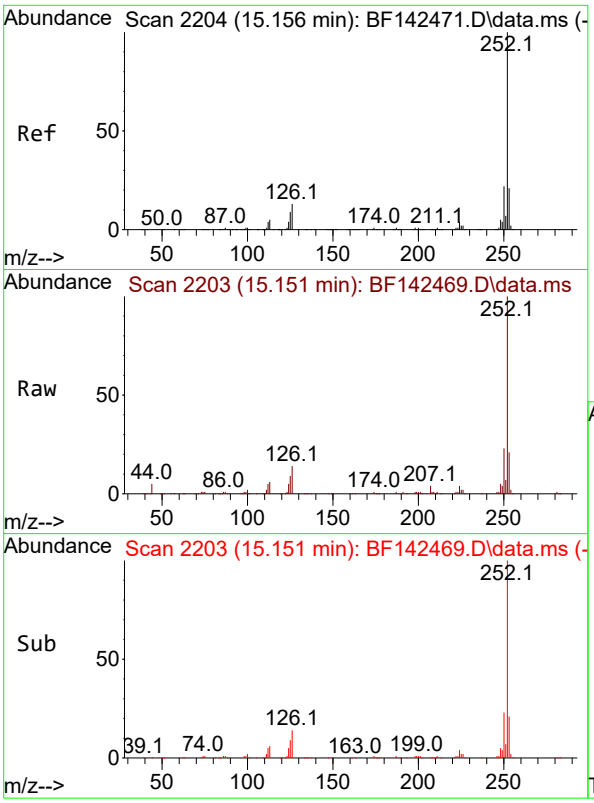


#88
Benzo(b)fluoranthene
Concen: 9.335 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:252 Resp: 88432

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.4
125	9.5	7.4	11.0



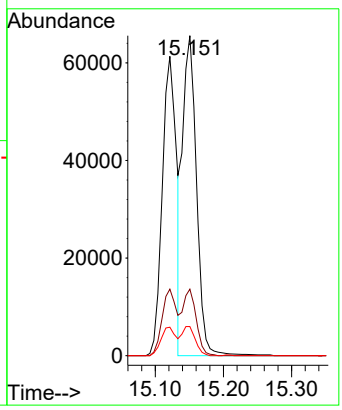


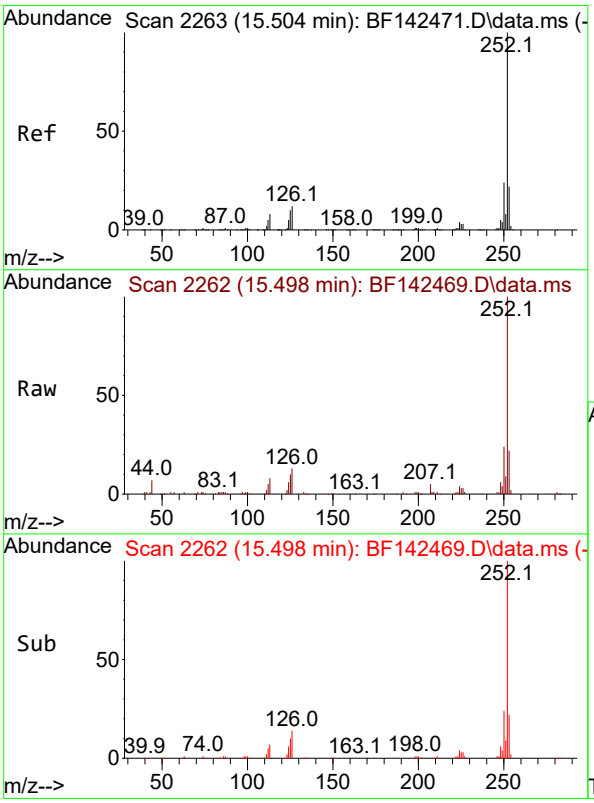
#89
Benzo(k)fluoranthene
Concen: 10.517 ng
RT: 15.151 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 93315

Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.0	25.4
125	9.1	7.3	10.9

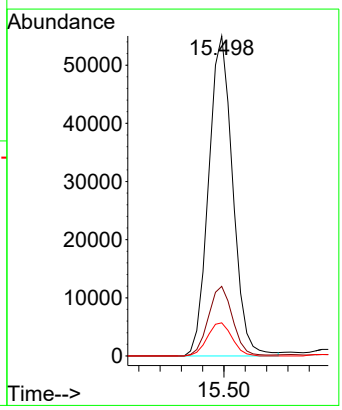


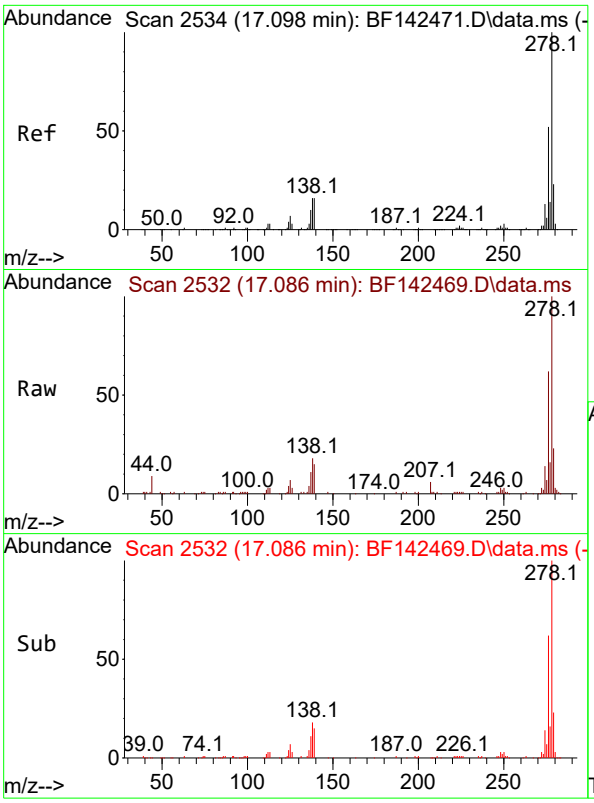


#90
Benzo(a)pyrene
Concen: 9.684 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:252 Resp: 86477

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0
125	10.4	7.9	11.9



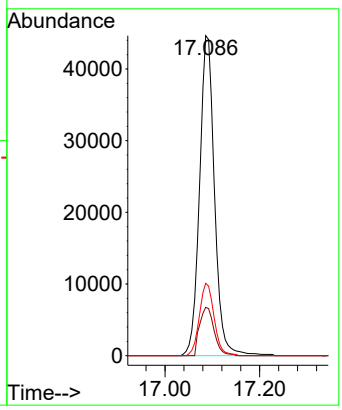


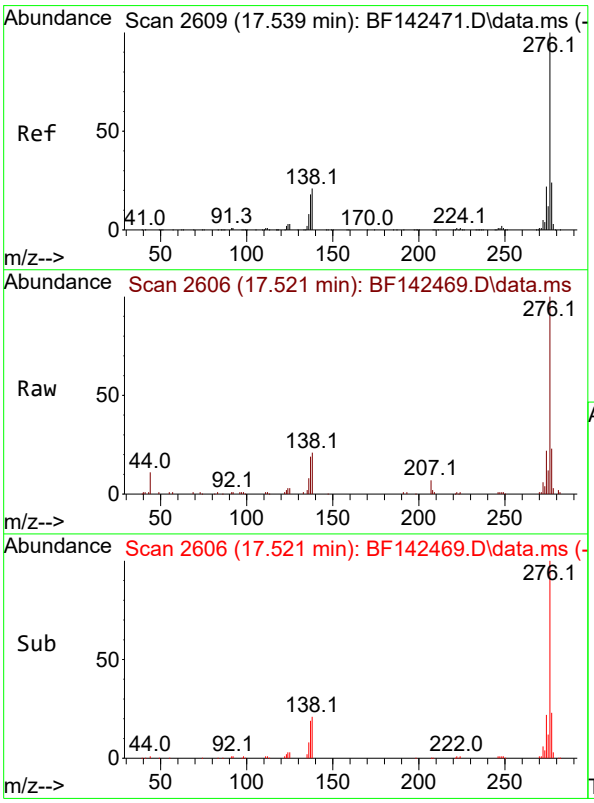
#91
Dibenzo(a,h)anthracene
Concen: 10.087 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 98308

Ion	Ratio	Lower	Upper
278	100		
139	15.1	12.8	19.2
279	22.6	18.6	28.0

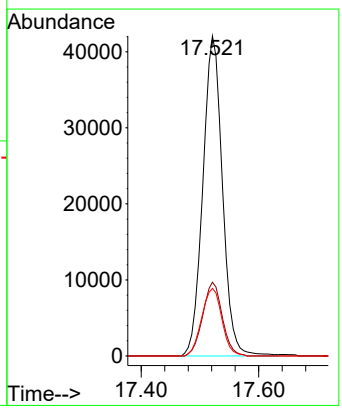




#92
Benzo(g,h,i)perylene
Concen: 10.016 ng
RT: 17.521 min Scan# 2606
Delta R.T. -0.035 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:276 Resp: 97640

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.2	28.8
138	21.1	16.8	25.2



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142470.D
Acq On : 20 May 2025 13:36
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: May 20 16:55:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	94619	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	367495	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	204113	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	353003	20.000	ng	0.00
76) Chrysene-d12	14.068	240	179495	20.000	ng	0.00
86) Perylene-d12	15.563	264	165092	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	231731	41.261	ng	-0.01
7) Phenol-d6	6.516	99	276122	40.843	ng	-0.02
23) Nitrobenzene-d5	7.463	82	278514	41.326	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	95535	42.171	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	635813	41.799	ng	-0.01
79) Terphenyl-d14	13.016	244	596097	45.382	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.669	88	44822	19.944	ng	99
3) Pyridine	3.440	79	114685	20.039	ng	99
4) n-Nitrosodimethylamine	3.375	42	59347	19.972	ng	99
6) Aniline	6.557	93	185773	20.437	ng	99
8) 2-Chlorophenol	6.681	128	124465	20.347	ng	99
9) Benzaldehyde	6.451	77	91686	22.548	ng	99
10) Phenol	6.534	94	155782	20.479	ng	98
11) bis(2-Chloroethyl)ether	6.634	93	110538	20.187	ng	99
12) 1,3-Dichlorobenzene	6.840	146	139347	20.414	ng	100
13) 1,4-Dichlorobenzene	6.916	146	141061	20.515	ng	99
14) 1,2-Dichlorobenzene	7.069	146	135845	20.647	ng	99
15) Benzyl Alcohol	7.034	79	100072	20.030	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.175	45	187668	20.408	ng	100
17) 2-Methylphenol	7.145	107	97077	20.326	ng	99
18) Hexachloroethane	7.416	117	49500	20.617	ng	98
19) n-Nitroso-di-n-propyla...	7.304	70	85172	20.328	ng	99
20) 3+4-Methylphenols	7.298	107	126511	20.685	ng	95
22) Acetophenone	7.304	105	168730	20.741	ng	99
24) Nitrobenzene	7.481	77	124202	20.433	ng	99
25) Isophorone	7.716	82	227891	20.225	ng	100
26) 2-Nitrophenol	7.798	139	66130	20.361	ng	100
27) 2,4-Dimethylphenol	7.828	122	116913	20.412	ng	98
28) bis(2-Chloroethoxy)met...	7.928	93	144952	20.593	ng	98
29) 2,4-Dichlorophenol	8.034	162	106584	20.462	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	116666	20.638	ng	97
31) Naphthalene	8.204	128	374799	20.713	ng	100
32) Benzoic acid	7.910	122	64801	18.586	ng	99
33) 4-Chloroaniline	8.251	127	152901	20.853	ng	99
34) Hexachlorobutadiene	8.322	225	72441	20.523	ng	99
35) Caprolactam	8.598	113	30374	20.762	ng	98
36) 4-Chloro-3-methylphenol	8.728	107	109793	20.567	ng	97
37) 2-Methylnaphthalene	8.898	142	237350	20.849	ng	98
38) 1-Methylnaphthalene	8.998	142	246831	20.961	ng	99
40) 1,2,4,5-Tetrachloroben...	9.063	216	119980	20.477	ng	100
41) Hexachlorocyclopentadiene	9.051	237	78243	19.796	ng	99
43) 2,4,6-Trichlorophenol	9.169	196	82857	20.971	ng	96

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142470.D
Acq On : 20 May 2025 13:36
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: May 20 16:55:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	84935	20.383	ng		98
46) 1,1'-Biphenyl	9.363	154	325474	20.553	ng		99
47) 2-Chloronaphthalene	9.386	162	240148	20.526	ng		98
48) 2-Nitroaniline	9.475	65	69068	20.424	ng		97
49) Acenaphthylene	9.804	152	413782	20.945	ng		100
50) Dimethylphthalate	9.657	163	279113	20.724	ng		100
51) 2,6-Dinitrotoluene	9.716	165	59031	20.308	ng		97
52) Acenaphthene	9.975	154	250487	20.764	ng		98
53) 3-Nitroaniline	9.886	138	66847	21.055	ng		99
54) 2,4-Dinitrophenol	9.992	184	27863	18.553	ng	#	70
55) Dibenzofuran	10.145	168	360936	20.792	ng		99
56) 4-Nitrophenol	10.039	139	49352	21.067	ng		99
57) 2,4-Dinitrotoluene	10.122	165	79063	20.827	ng		99
58) Fluorene	10.486	166	279994	20.878	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.263	232	73538	21.140	ng		99
60) Diethylphthalate	10.357	149	277325	21.084	ng		99
61) 4-Chlorophenyl-phenyle...	10.480	204	137985	20.944	ng		99
62) 4-Nitroaniline	10.498	138	61856	21.481	ng		98
63) Azobenzene	10.639	77	242545	20.530	ng		99
65) 4,6-Dinitro-2-methylph...	10.528	198	38757	19.673	ng		97
66) n-Nitrosodiphenylamine	10.598	169	245739	20.348	ng		98
67) 4-Bromophenyl-phenylether	10.975	248	84406	20.222	ng		96
68) Hexachlorobenzene	11.039	284	92803	20.102	ng		98
69) Atrazine	11.122	200	65656	20.471	ng		99
70) Pentachlorophenol	11.227	266	52525	20.152	ng		99
71) Phenanthrene	11.451	178	388317	20.584	ng		100
72) Anthracene	11.504	178	396704	20.604	ng		99
73) Carbazole	11.657	167	346558	21.055	ng		99
74) Di-n-butylphthalate	11.986	149	382324	21.221	ng		100
75) Fluoranthene	12.639	202	371226	21.059	ng		99
77) Benzidine	12.763	184	162031	24.258	ng		99
78) Pyrene	12.869	202	370789	22.144	ng		99
80) Butylbenzylphthalate	13.486	149	94290	20.379	ng		99
81) Benzo(a)anthracene	14.057	228	251858	21.013	ng		100
82) 3,3'-Dichlorobenzidine	14.021	252	72218	19.865	ng		99
83) Chrysene	14.098	228	214213	19.890	ng		99
84) Bis(2-ethylhexyl)phtha...	14.045	149	111015	18.743	ng		100
85) Di-n-octyl phthalate	14.663	149	198800	17.166	ng		100
87) Indeno(1,2,3-cd)pyrene	17.074	276	261271	21.080	ng		99
88) Benzo(b)fluoranthene	15.121	252	213487	21.849	ng		99
89) Benzo(k)fluoranthene	15.151	252	170316	18.611	ng		100
90) Benzo(a)pyrene	15.498	252	183983	19.976	ng		99
91) Dibenzo(a,h)anthracene	17.092	278	210557	20.946	ng		99
92) Benzo(g,h,i)perylene	17.527	276	209719	20.859	ng		98

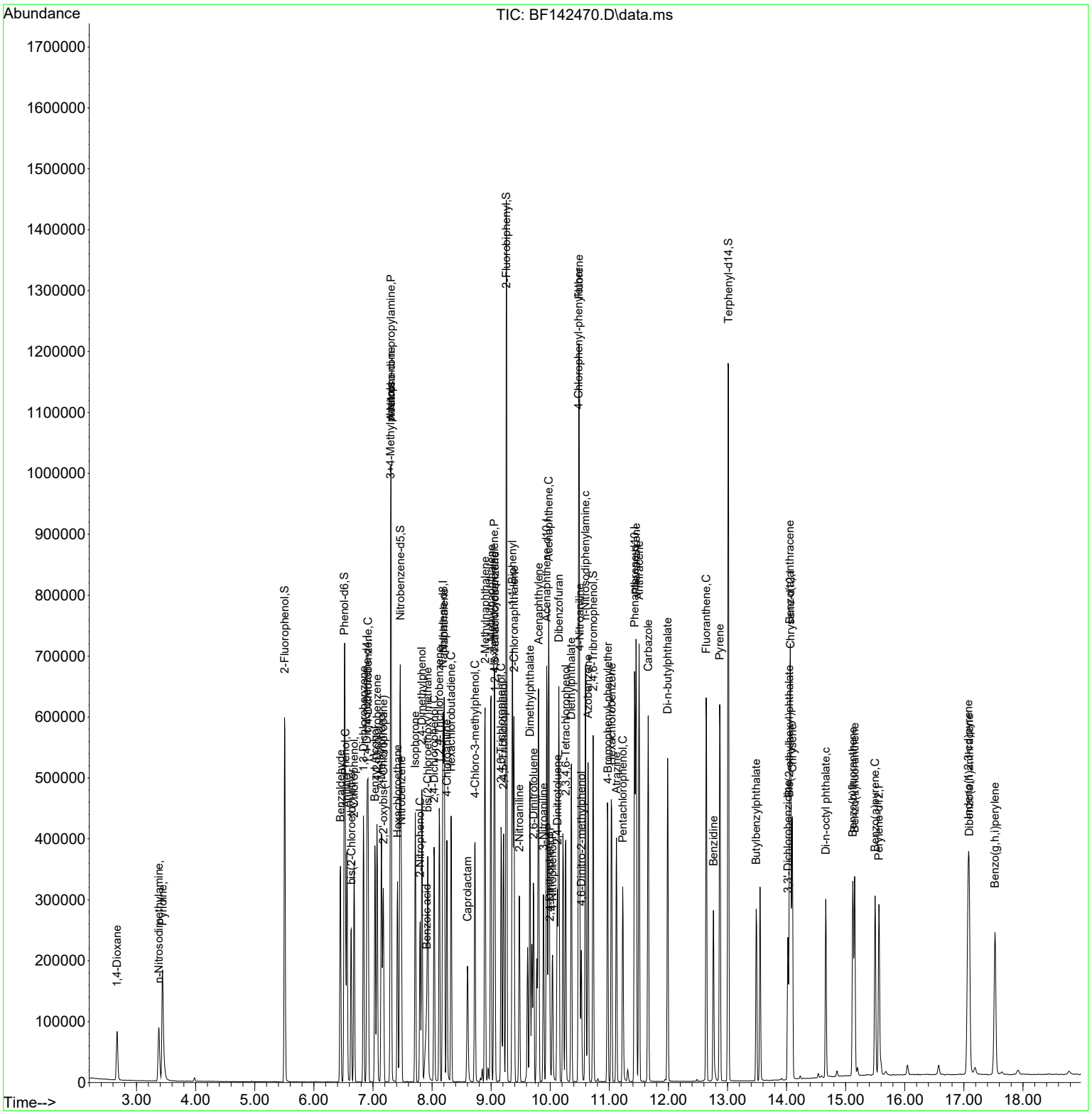
(#) = qualifier out of range (m) = manual integration (+) = signals summed

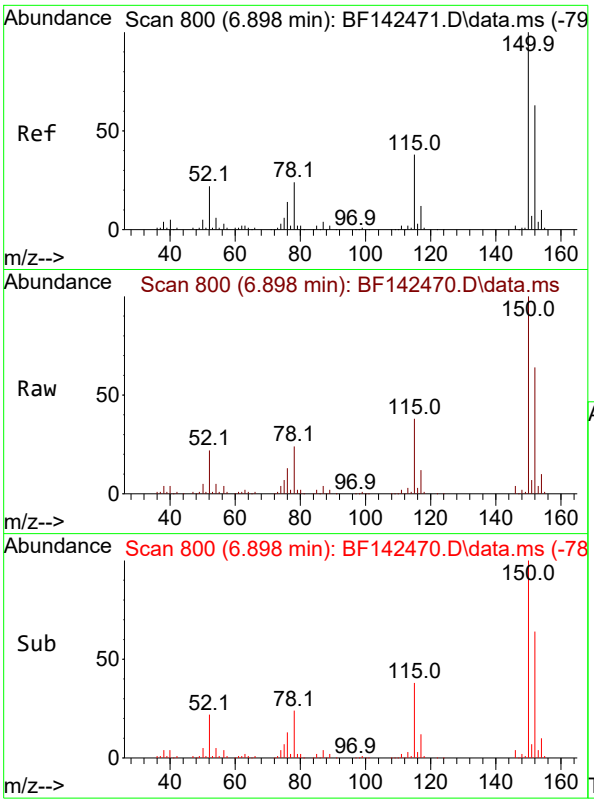
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142470.D
Acq On : 20 May 2025 13:36
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: May 20 16:55:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



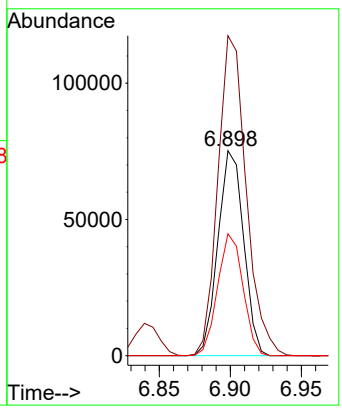


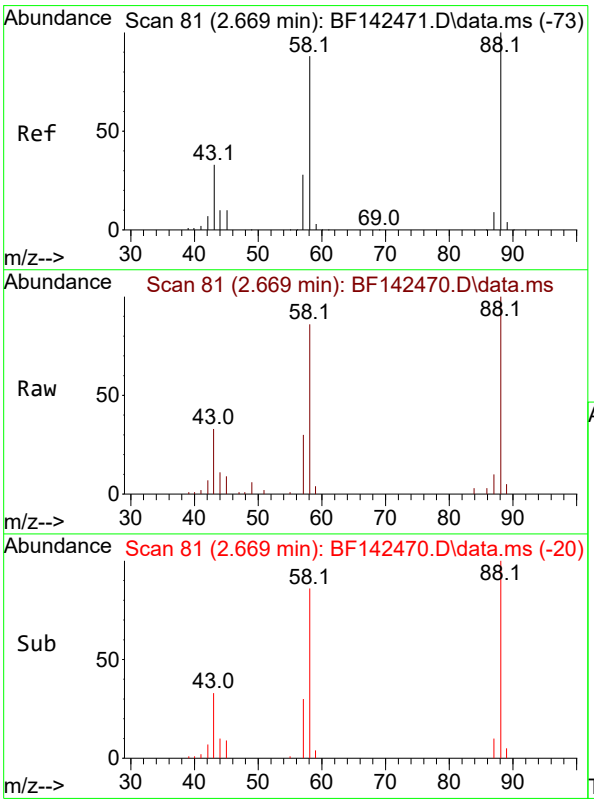
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 94619

Ion	Ratio	Lower	Upper
152	100		
150	156.2	128.2	192.4
115	59.5	48.3	72.5

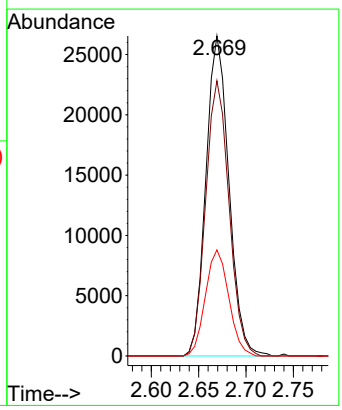


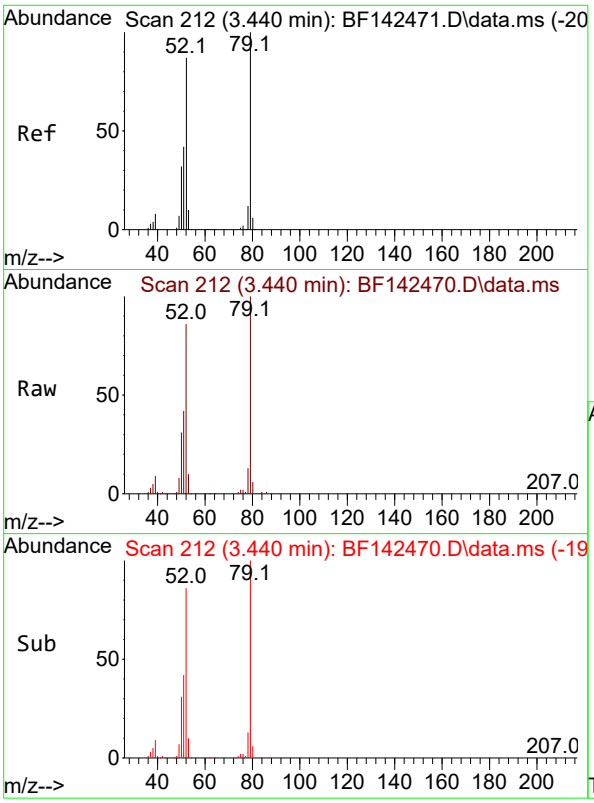


#2
1,4-Dioxane
Concen: 19.944 ng
RT: 2.669 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion: 88 Resp: 44822

Ion	Ratio	Lower	Upper
88	100		
58	87.2	70.8	106.2
43	33.7	26.6	40.0



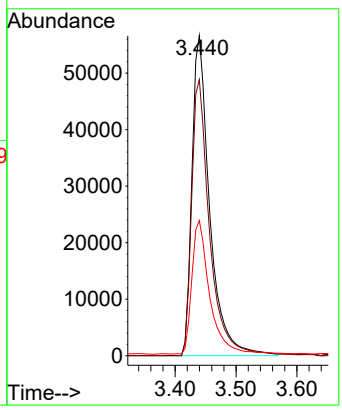


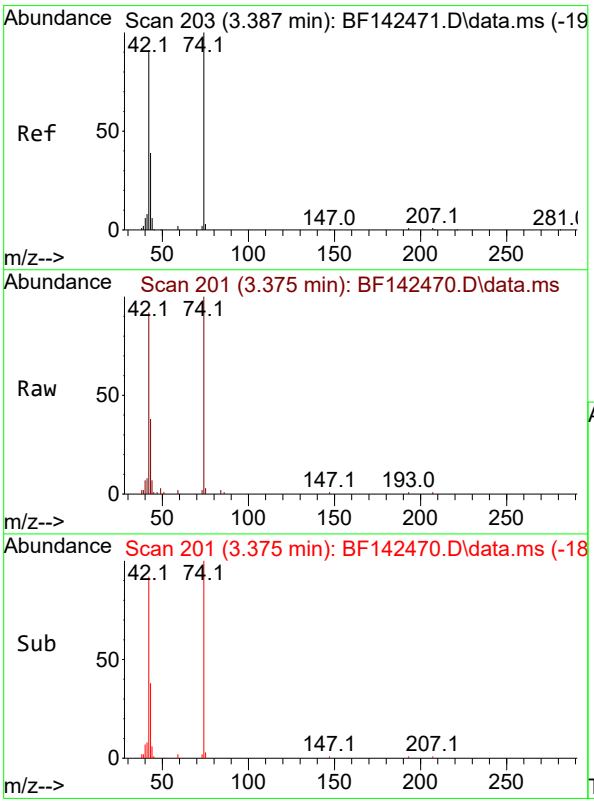
#3
Pyridine
Concen: 20.039 ng
RT: 3.440 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 114685

Ion	Ratio	Lower	Upper
79	100		
52	86.3	69.2	103.8
51	42.3	33.3	49.9

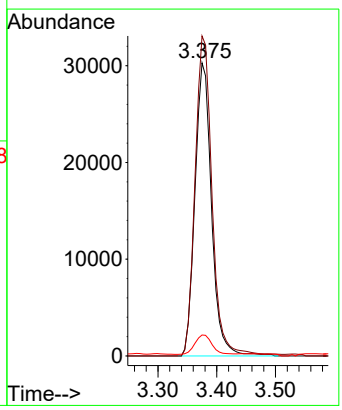


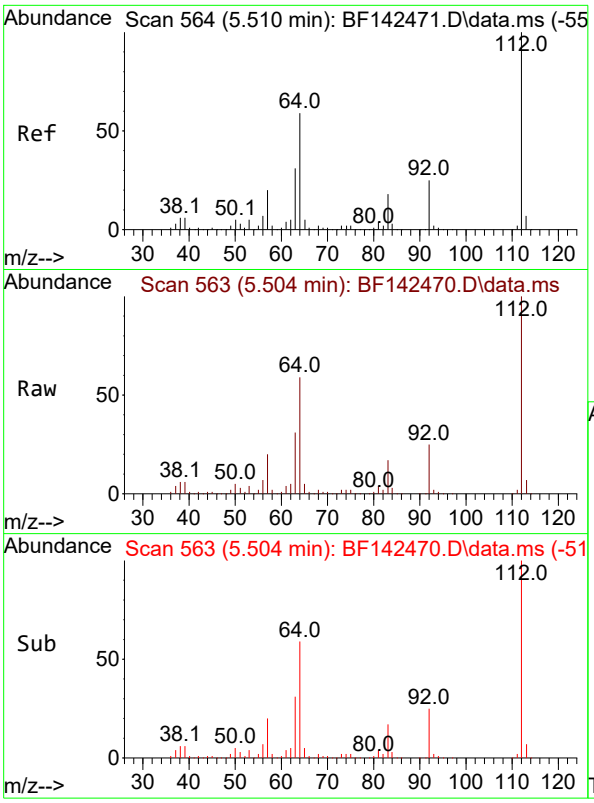


#4
n-Nitrosodimethylamine
Concen: 19.972 ng
RT: 3.375 min Scan# 201
Delta R.T. -0.029 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion: 42 Resp: 59347

Ion	Ratio	Lower	Upper
42	100		
74	109.2	88.2	132.4
44	7.2	5.4	8.2



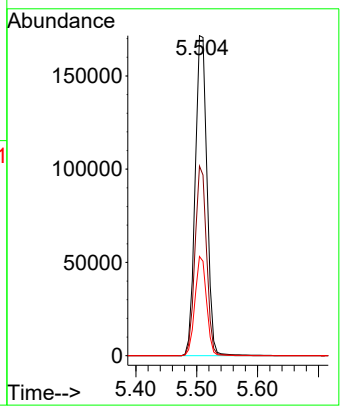


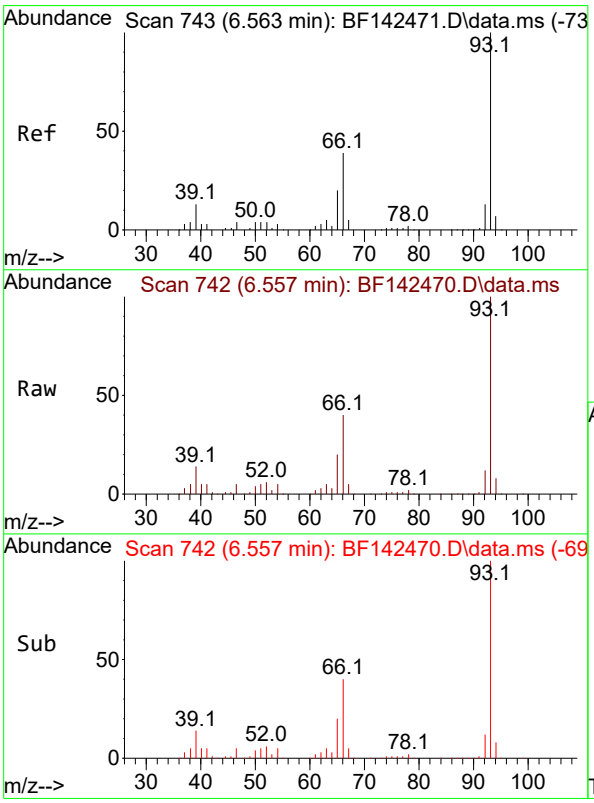
#5
2-Fluorophenol
Concen: 41.261 ng
RT: 5.504 min Scan# 5
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 231731

Ion	Ratio	Lower	Upper
112	100		
64	59.3	47.5	71.3
63	31.0	24.9	37.3

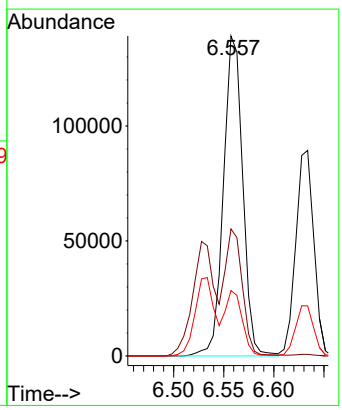


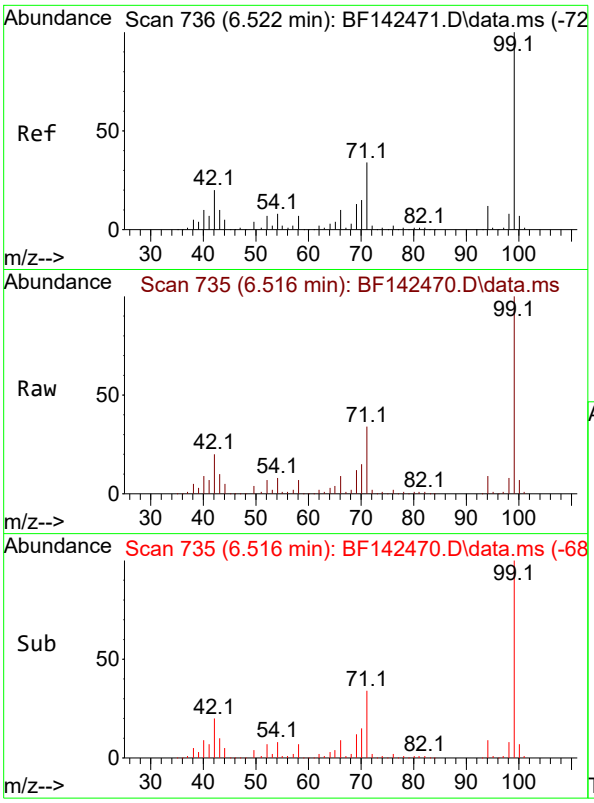


#6
Aniline
Concen: 20.437 ng
RT: 6.557 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion: 93 Resp: 185773

Ion	Ratio	Lower	Upper
93	100		
66	39.7	32.0	48.0
65	20.5	16.1	24.1



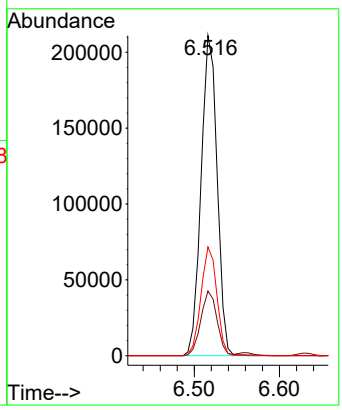


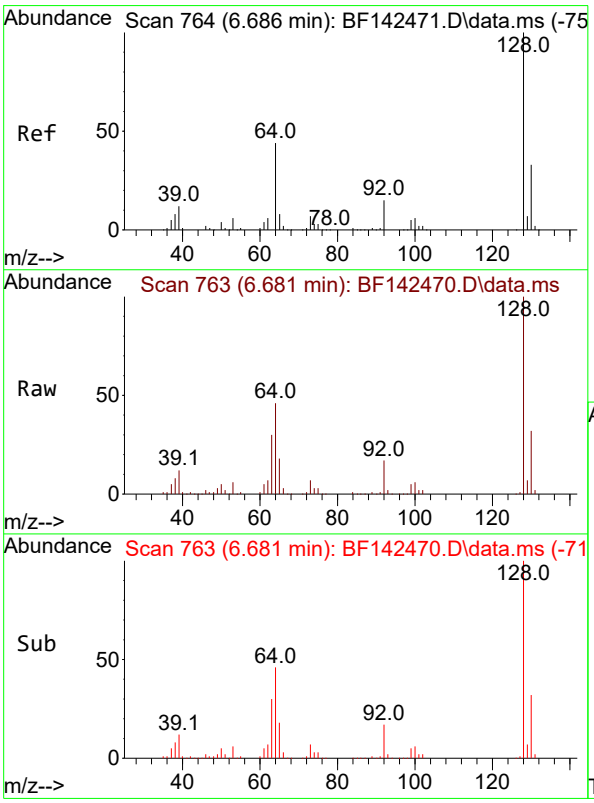
#7
Phenol-d6
Concen: 40.843 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 276122

Ion	Ratio	Lower	Upper
99	100		
42	20.2	16.2	24.2
71	34.0	27.3	40.9

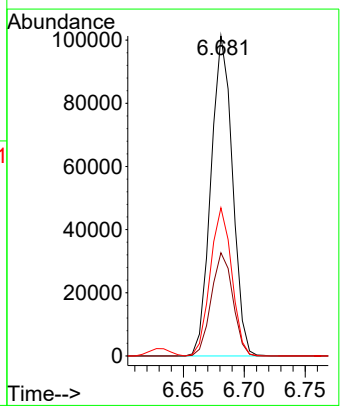


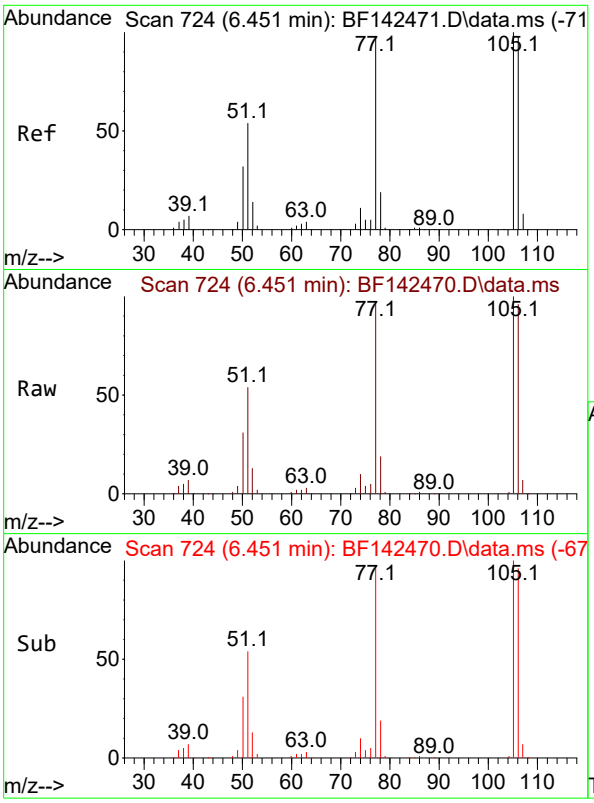


#8
2-Chlorophenol
Concen: 20.347 ng
RT: 6.681 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:128 Resp: 124465

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.6	52.6
64	46.3	25.1	65.1



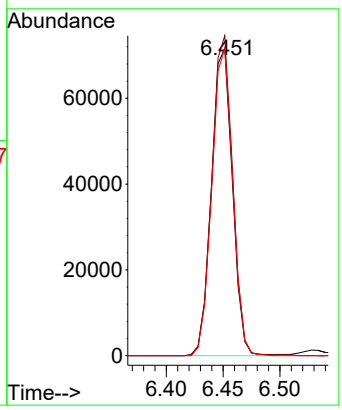


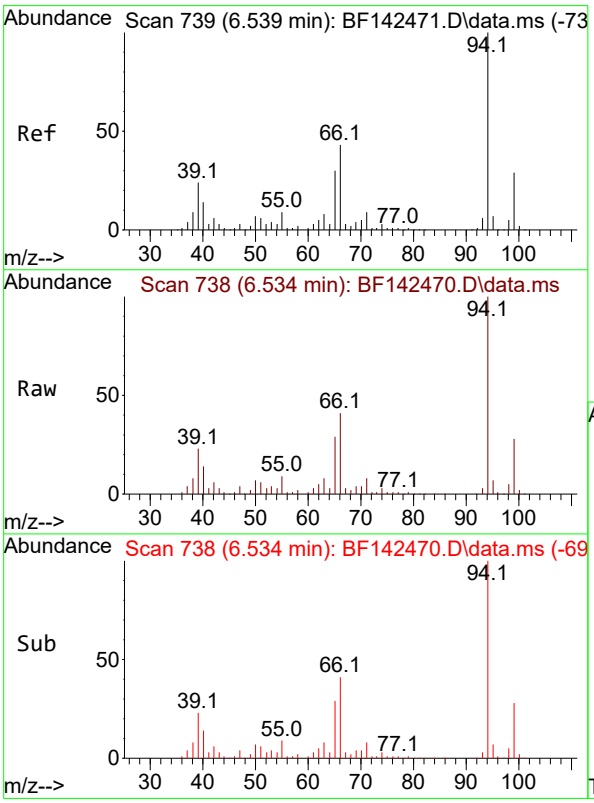
#9
Benzaldehyde
Concen: 22.548 ng
RT: 6.451 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 91686

Ion	Ratio	Lower	Upper
77	100		
105	104.1	82.5	122.5
106	100.0	80.0	120.0

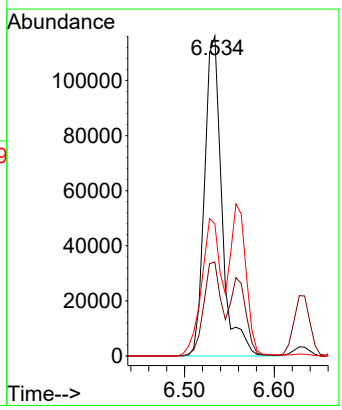


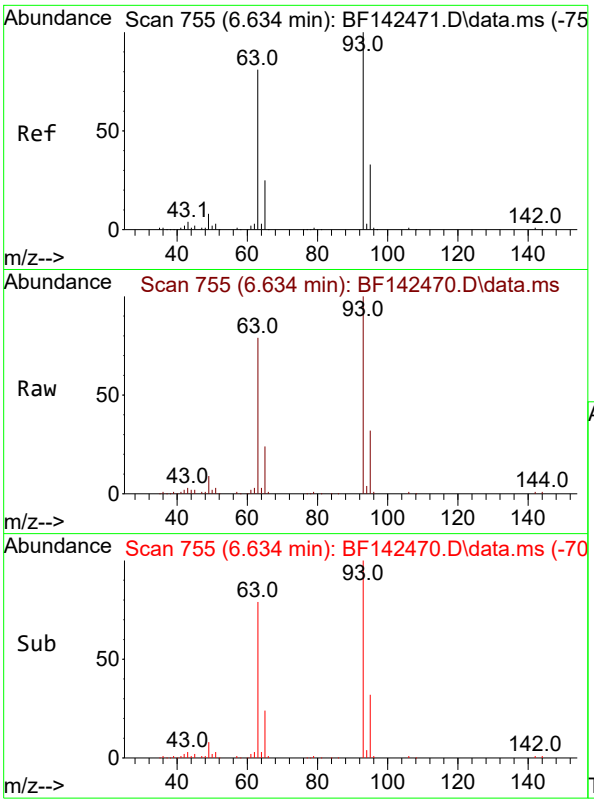


#10
Phenol
Concen: 20.479 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.018 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion: 94 Resp: 155782

Ion	Ratio	Lower	Upper
94	100		
65	29.3	10.3	50.3
66	41.2	22.6	62.6



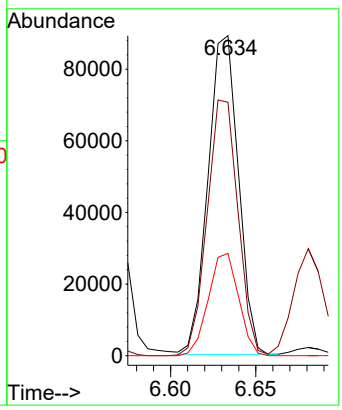


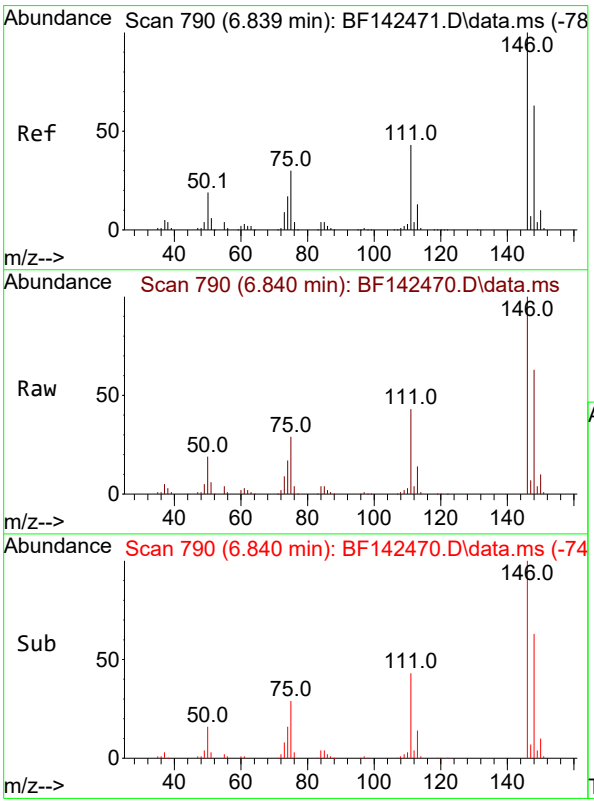
#11
bis(2-Chloroethyl)ether
Concen: 20.187 ng
RT: 6.634 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 110538

Ion	Ratio	Lower	Upper
93	100		
63	79.2	60.2	100.2
95	32.0	12.3	52.3

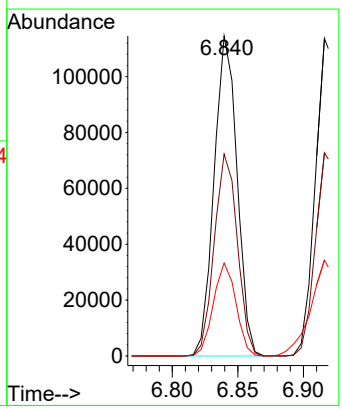


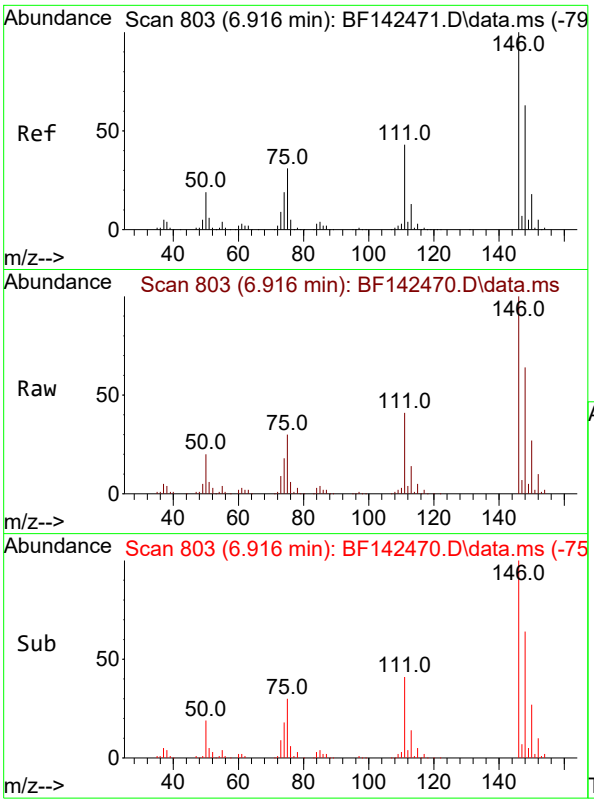


#12
1,3-Dichlorobenzene
Concen: 20.414 ng
RT: 6.840 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:146 Resp: 139347

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.6	75.8
75	29.0	23.8	35.6



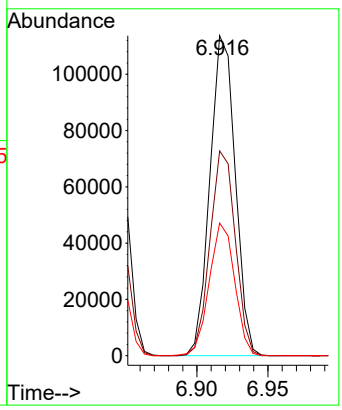


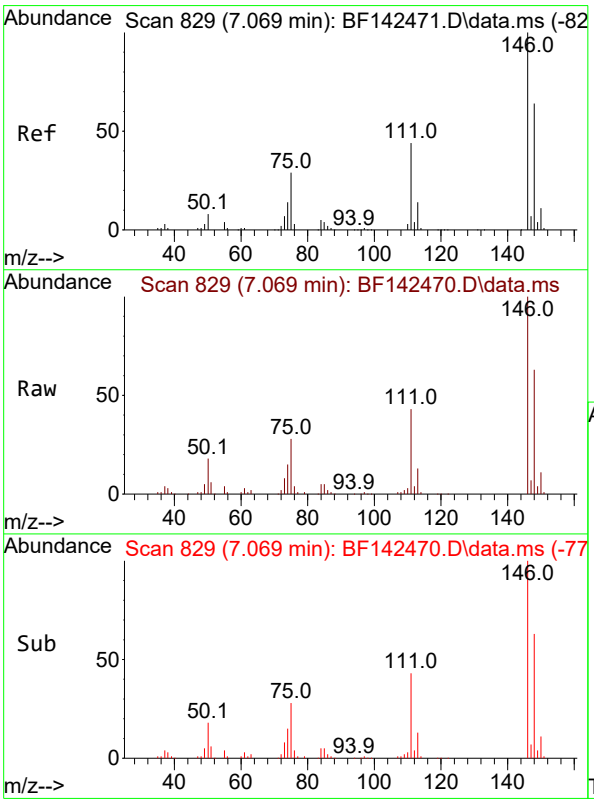
#13
1,4-Dichlorobenzene
Concen: 20.515 ng
RT: 6.916 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 141061

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.4	75.6
111	41.4	34.1	51.1

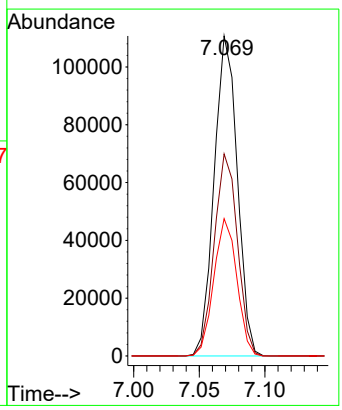


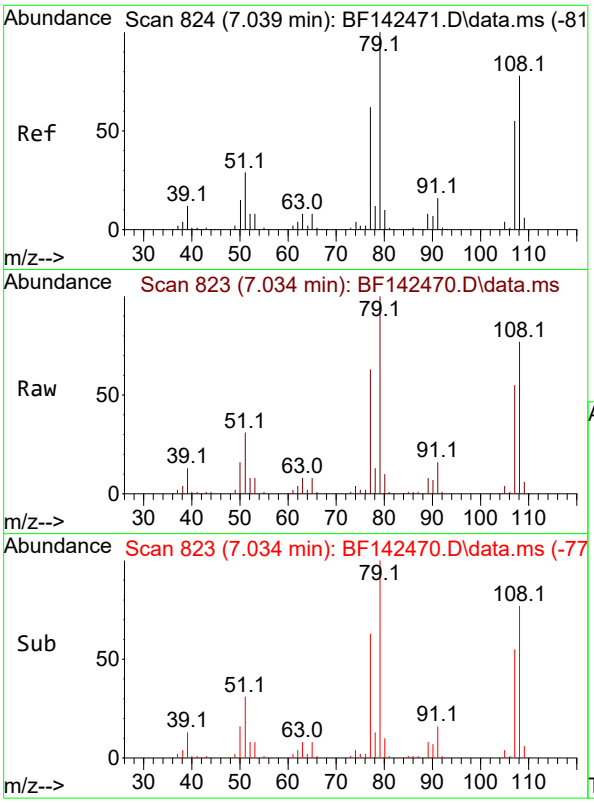


#14
1,2-Dichlorobenzene
Concen: 20.647 ng
RT: 7.069 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:146 Resp: 135845

Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.0	76.4
111	42.9	35.0	52.6



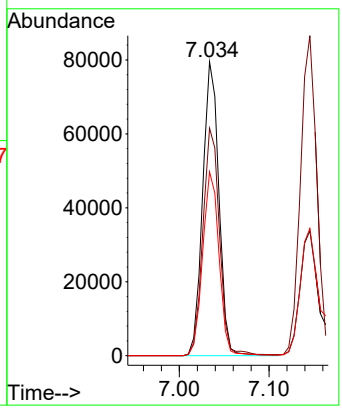


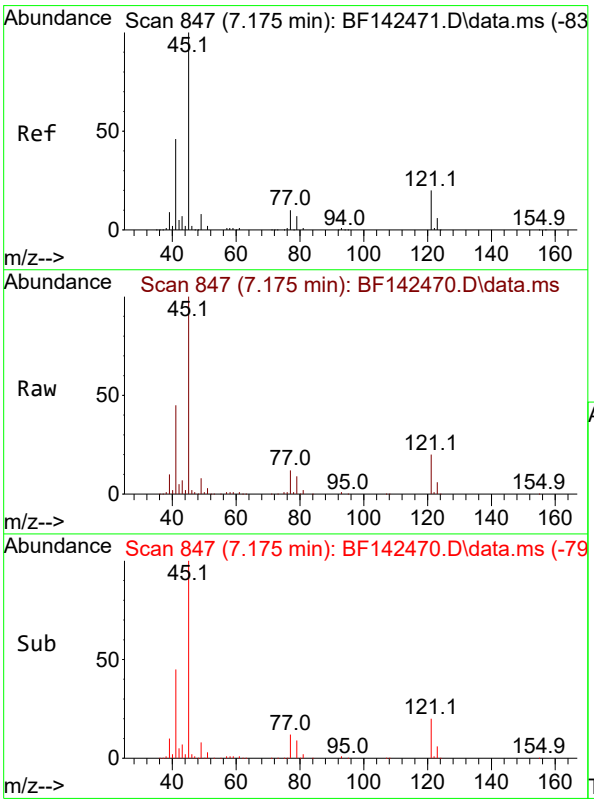
#15
Benzyl Alcohol
Concen: 20.030 ng
RT: 7.034 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 100072

Ion	Ratio	Lower	Upper
79	100		
108	77.4	62.1	93.1
77	62.5	49.5	74.3

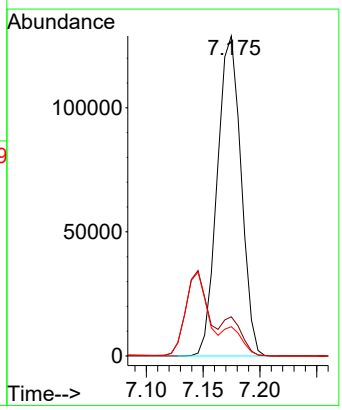


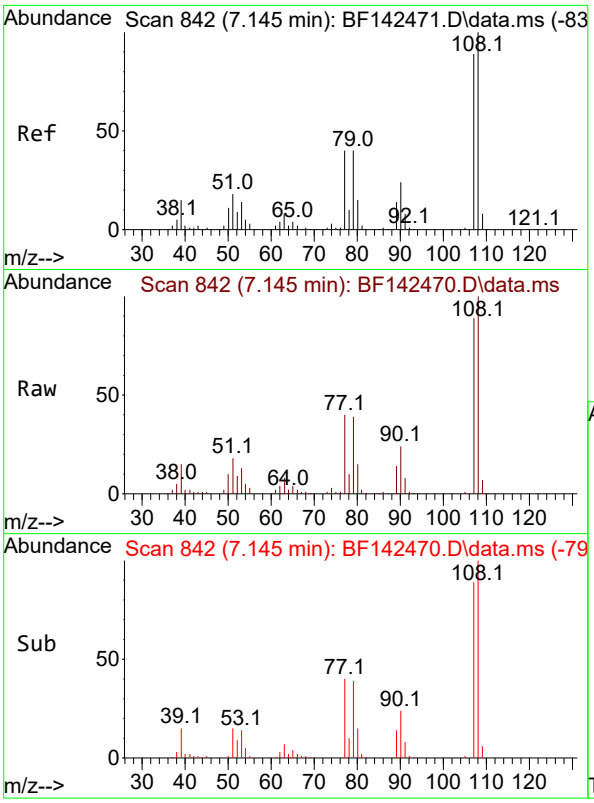


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.408 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion: 45 Resp: 187668

Ion	Ratio	Lower	Upper
45	100		
77	12.3	0.0	32.0
79	9.2	0.0	29.2



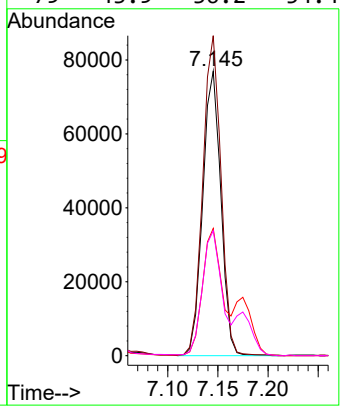


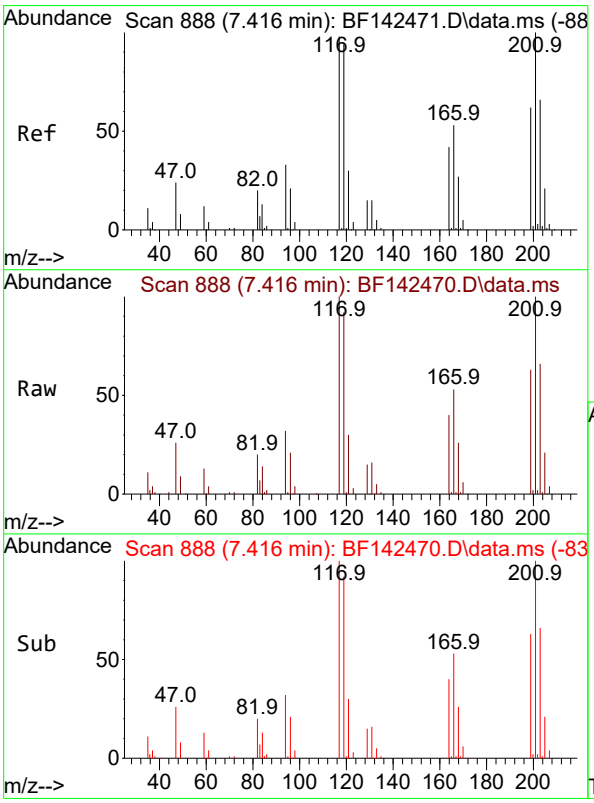
#17
2-Methylphenol
Concen: 20.326 ng
RT: 7.145 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 97077

Ion	Ratio	Lower	Upper
107	100		
108	112.5	90.2	135.2
77	44.7	36.1	54.1
79	43.9	36.2	54.4

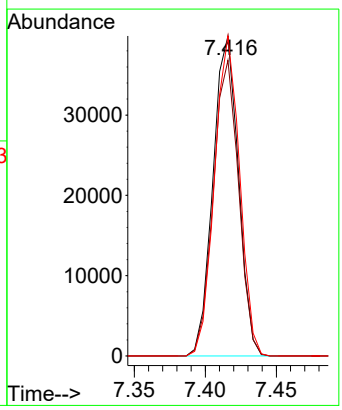


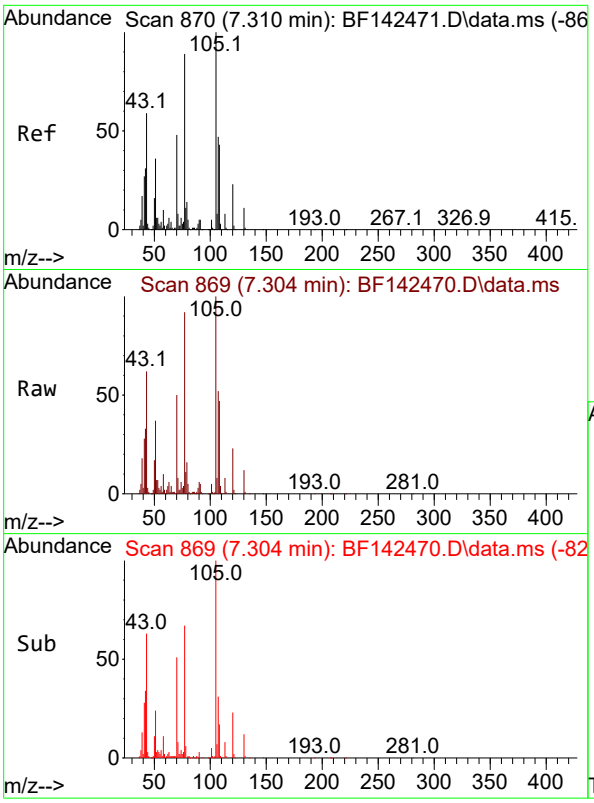


#18
Hexachloroethane
Concen: 20.617 ng
RT: 7.416 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:117 Resp: 49500

Ion	Ratio	Lower	Upper
117	100		
119	92.4	76.6	114.8
201	99.9	81.3	121.9



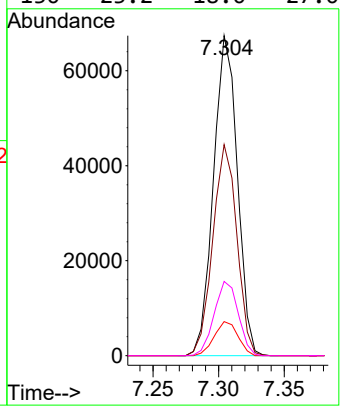


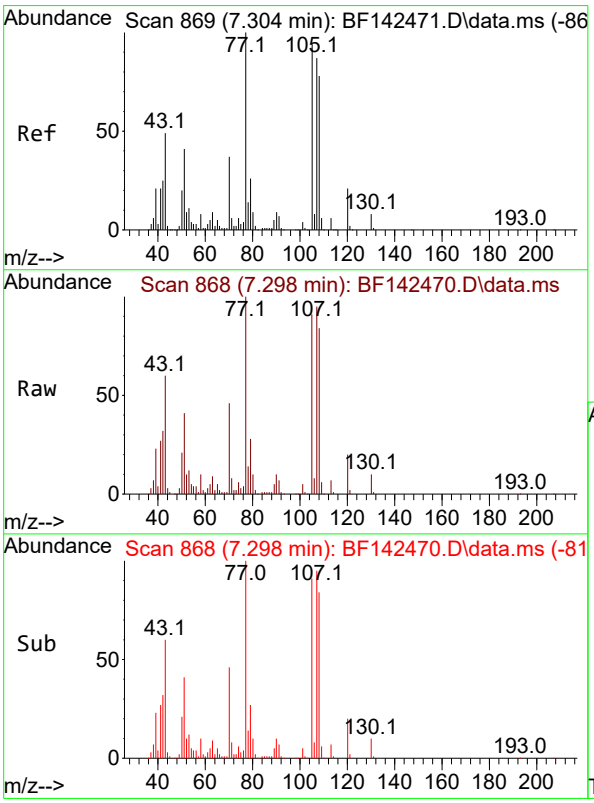
#19
n-Nitroso-di-n-propylamine
Concen: 20.328 ng
RT: 7.304 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 85172

Ion	Ratio	Lower	Upper
70	100		
42	66.0	52.4	78.6
101	10.7	7.8	11.8
130	23.2	18.0	27.0

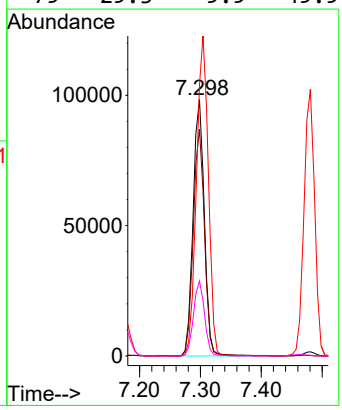


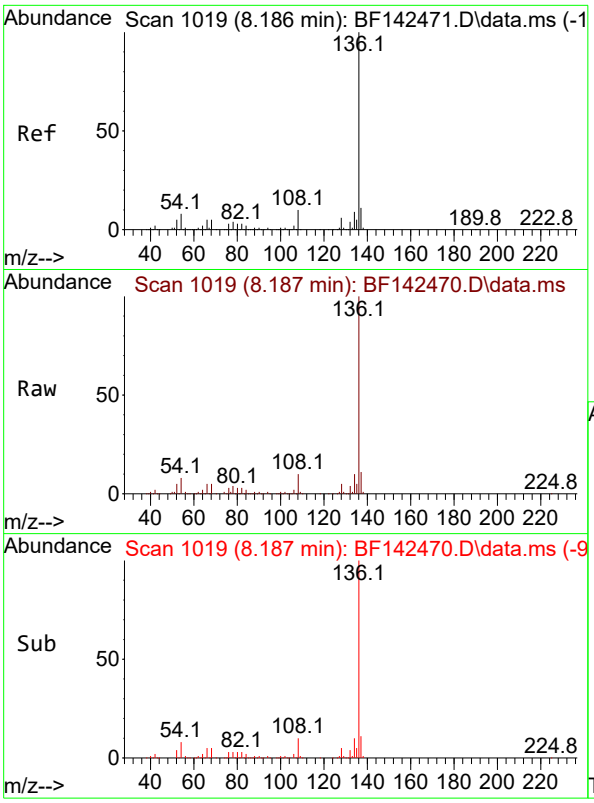


#20
3+4-Methylphenols
Concen: 20.685 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:107 Resp: 126511

Ion	Ratio	Lower	Upper
107	100		
108	88.5	70.4	110.4
77	105.7	95.4	135.4
79	29.3	9.9	49.9



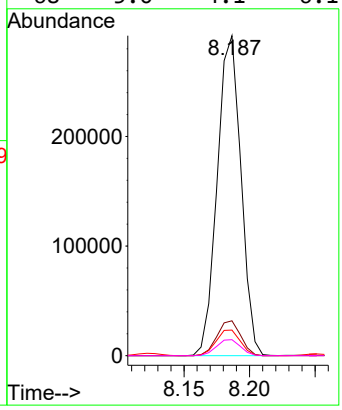


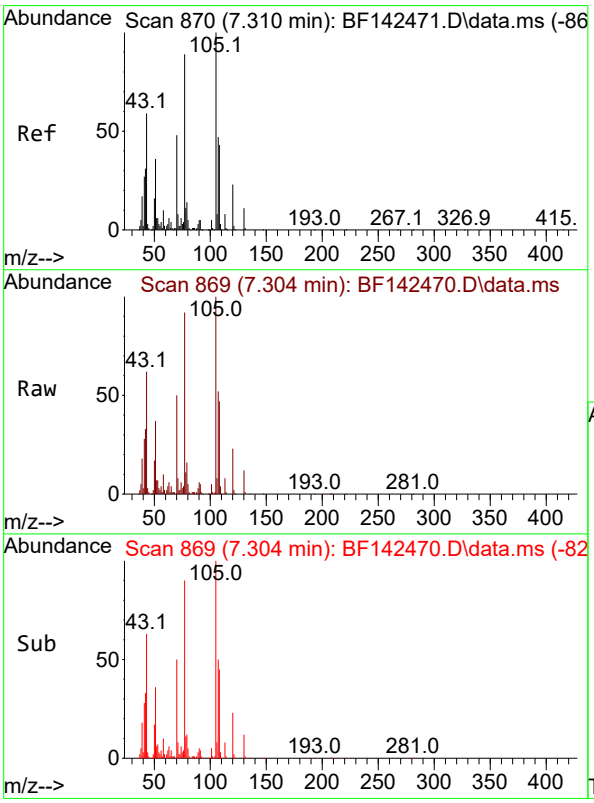
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 367495

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.0	6.6	10.0
68	5.0	4.1	6.1

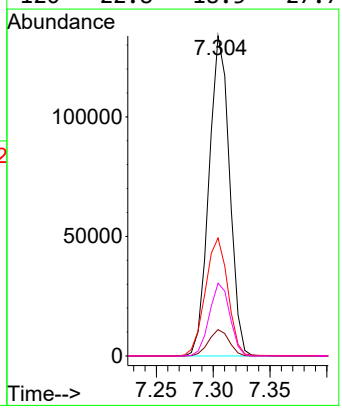


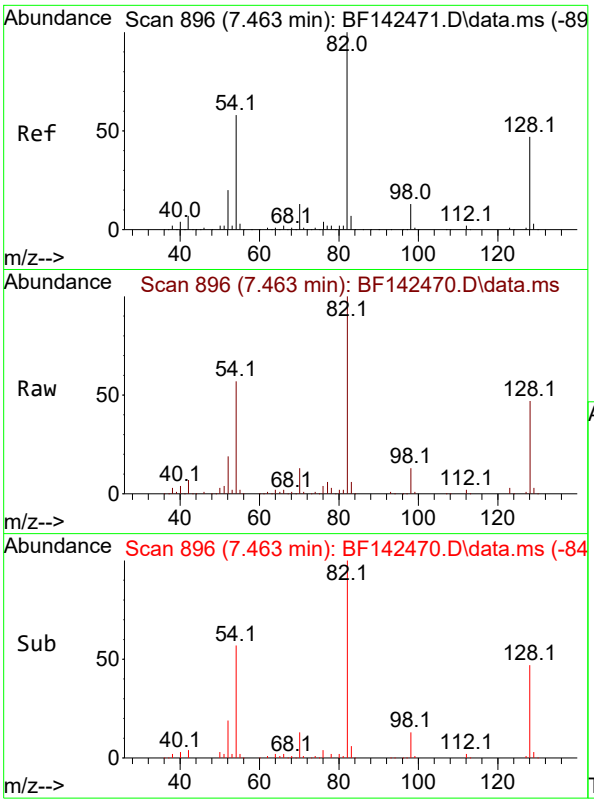


#22
Acetophenone
Concen: 20.741 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:105 Resp: 168730

Ion	Ratio	Lower	Upper
105	100		
71	8.2	6.4	9.6
51	36.9	28.6	42.8
120	22.8	18.5	27.7



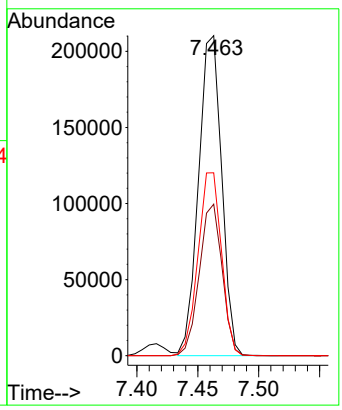


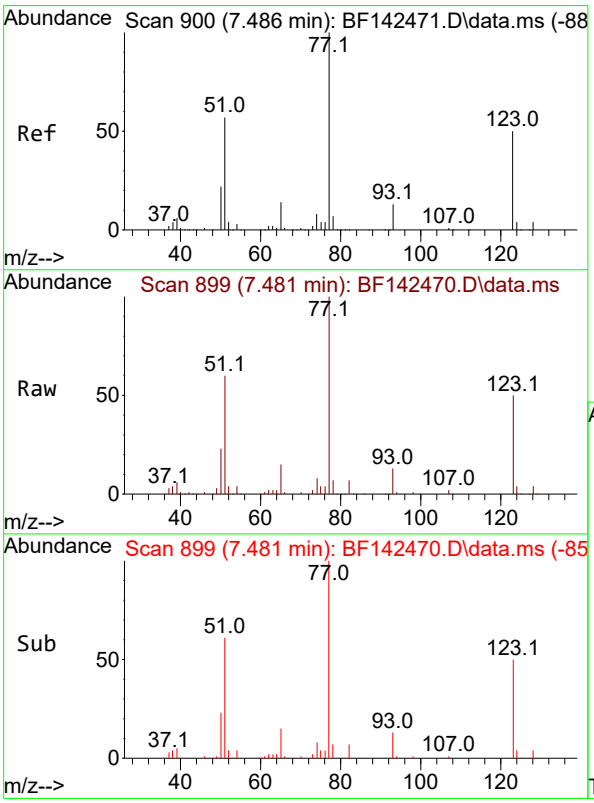
#23
Nitrobenzene-d5
Concen: 41.326 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 278514

Ion	Ratio	Lower	Upper
82	100		
128	47.3	37.4	56.2
54	57.2	46.6	70.0

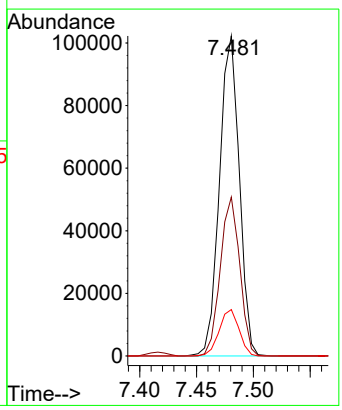


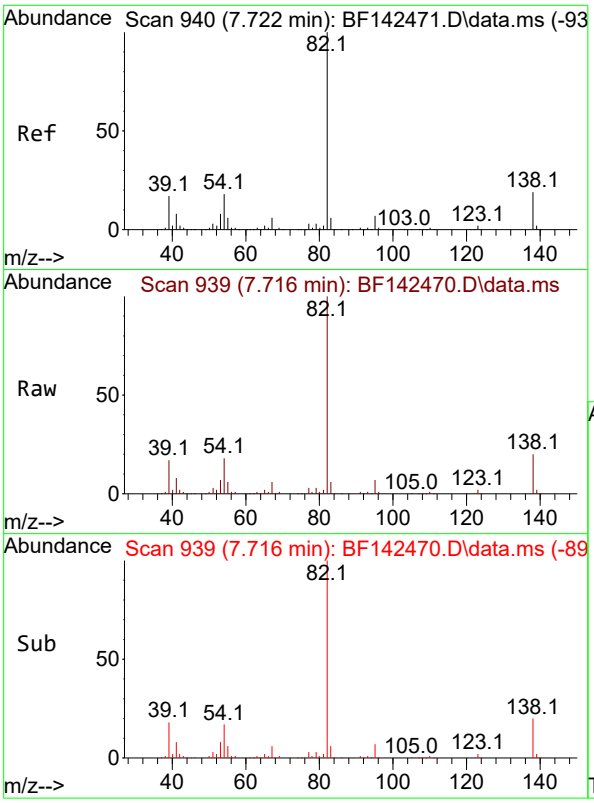


#24
Nitrobenzene
Concen: 20.433 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion: 77 Resp: 124202

Ion	Ratio	Lower	Upper
77	100		
123	49.6	40.6	61.0
65	14.5	11.4	17.2



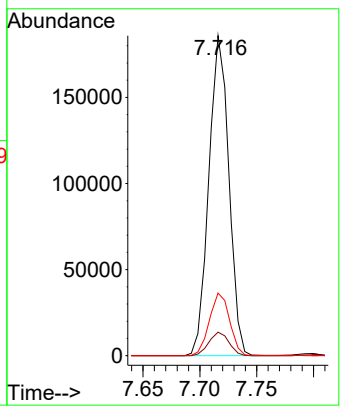


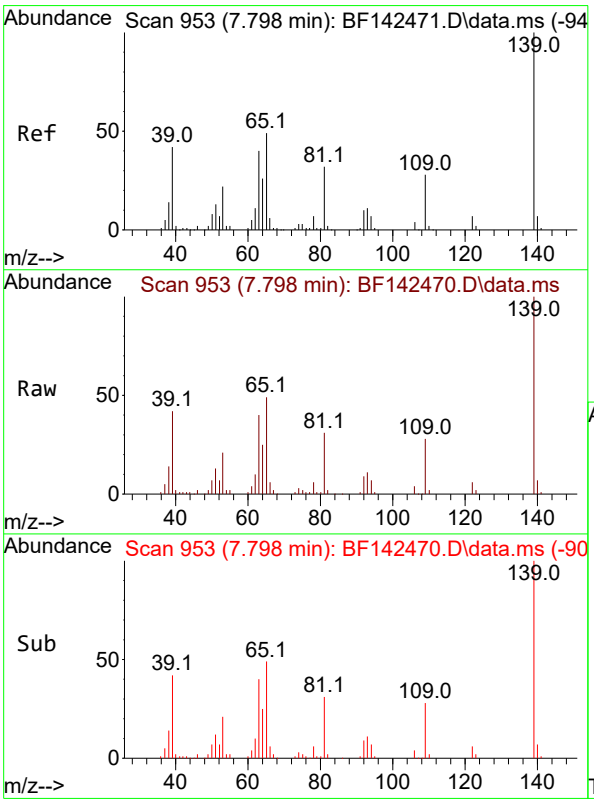
#25
Isophorone
Concen: 20.225 ng
RT: 7.716 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 227891

Ion	Ratio	Lower	Upper
82	100		
95	7.4	6.0	9.0
138	19.6	15.5	23.3

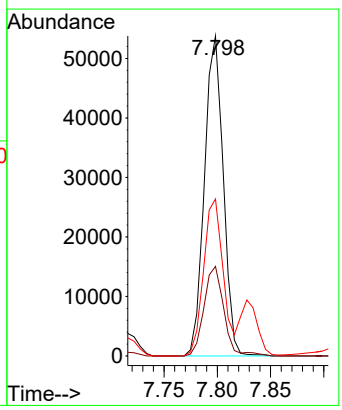


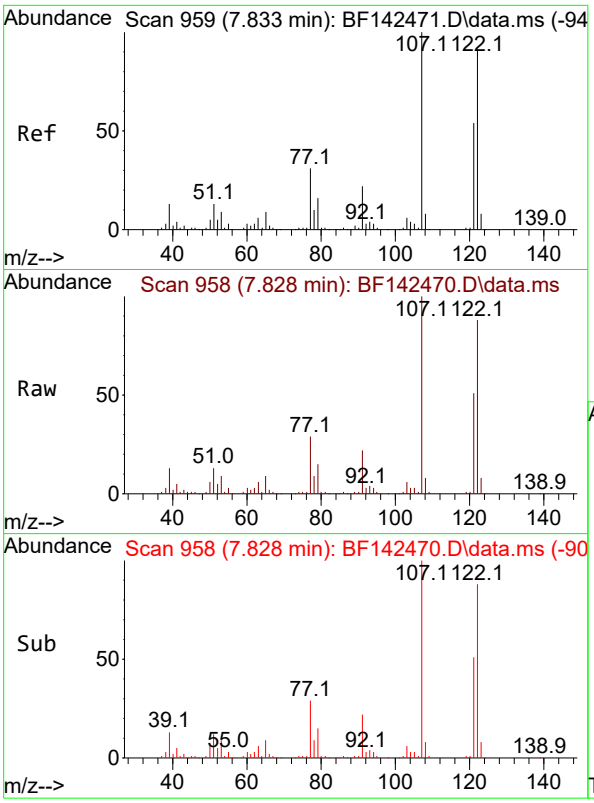


#26
2-Nitrophenol
Concen: 20.361 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:139 Resp: 66130

Ion	Ratio	Lower	Upper
139	100		
109	28.0	22.6	33.8
65	49.1	39.4	59.0



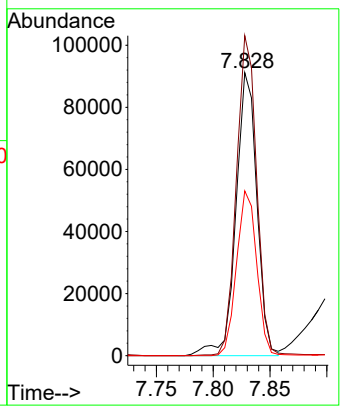


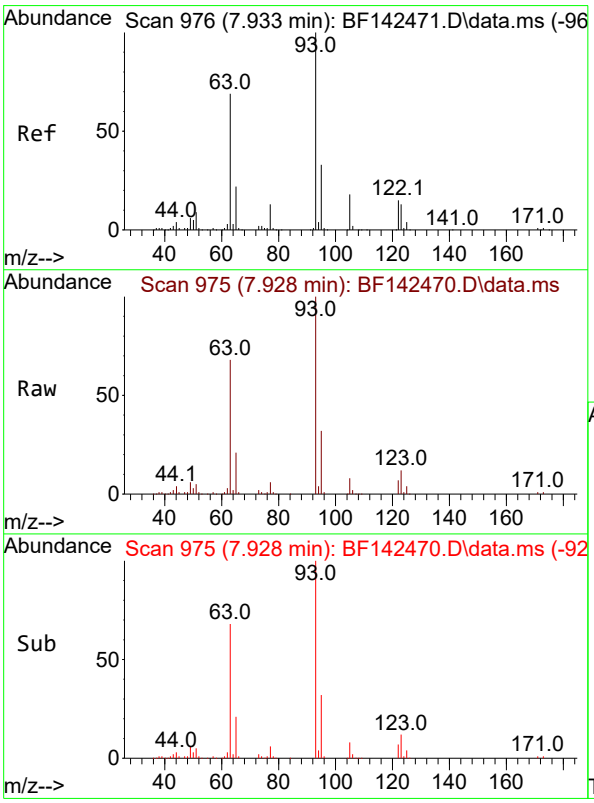
#27
2,4-Dimethylphenol
Concen: 20.412 ng
RT: 7.828 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 116913

Ion	Ratio	Lower	Upper
122	100		
107	113.0	88.1	132.1
121	58.2	47.3	70.9

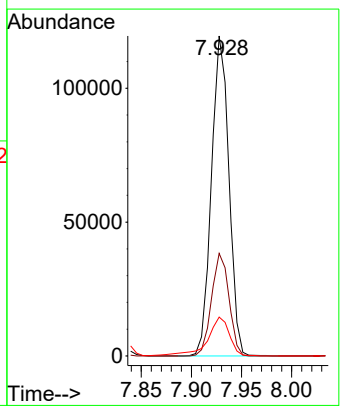


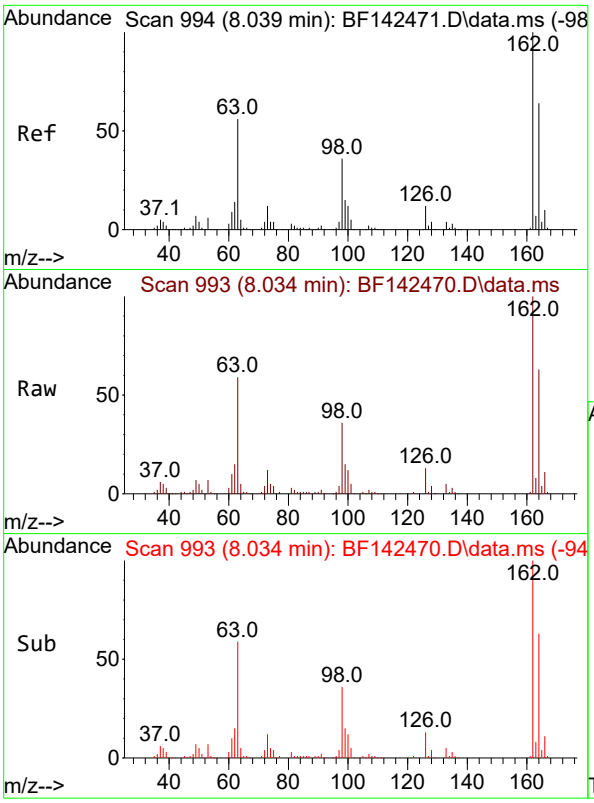


#28
bis(2-Chloroethoxy)methane
Concen: 20.593 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion: 93 Resp: 144952

Ion	Ratio	Lower	Upper
93	100		
95	32.0	26.4	39.6
123	12.2	10.6	15.8



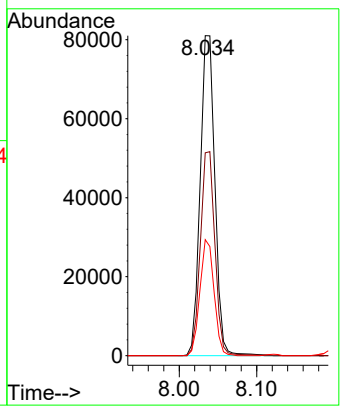


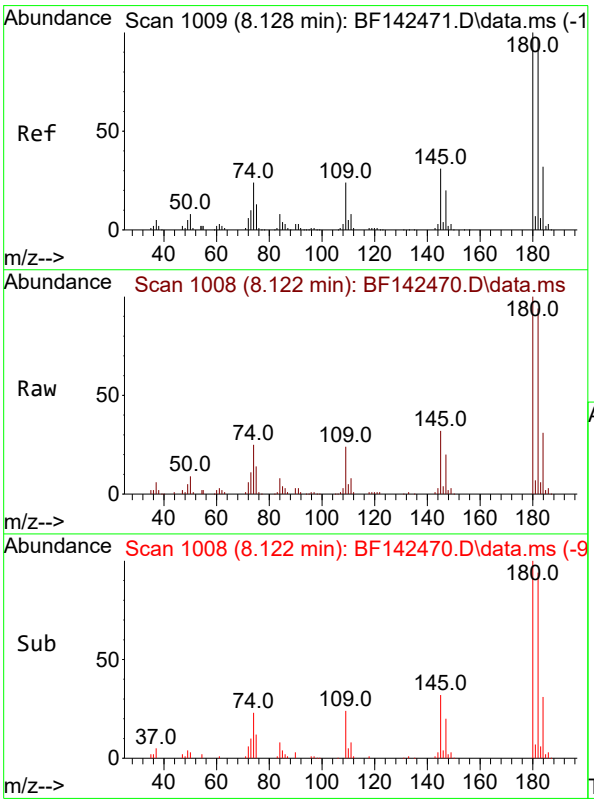
#29
2,4-Dichlorophenol
Concen: 20.462 ng
RT: 8.034 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 106584

Ion	Ratio	Lower	Upper
162	100		
164	63.4	43.7	83.7
98	36.3	15.5	55.5

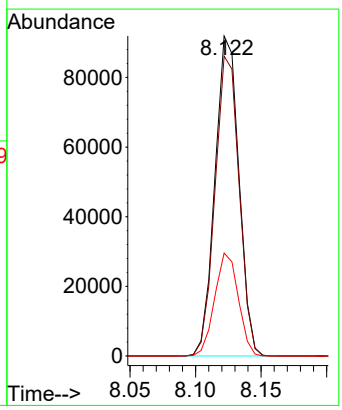


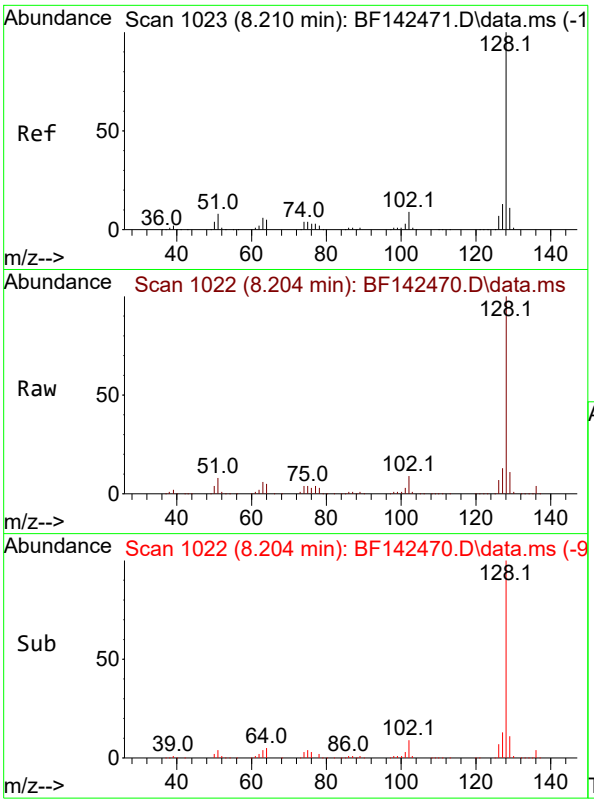


#30
1,2,4-Trichlorobenzene
Concen: 20.638 ng
RT: 8.122 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:180 Resp: 116666

Ion	Ratio	Lower	Upper
180	100		
182	93.7	78.0	117.0
145	32.2	25.0	37.6



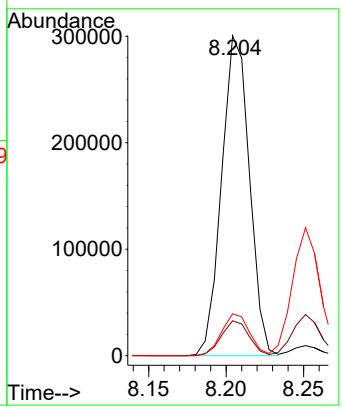


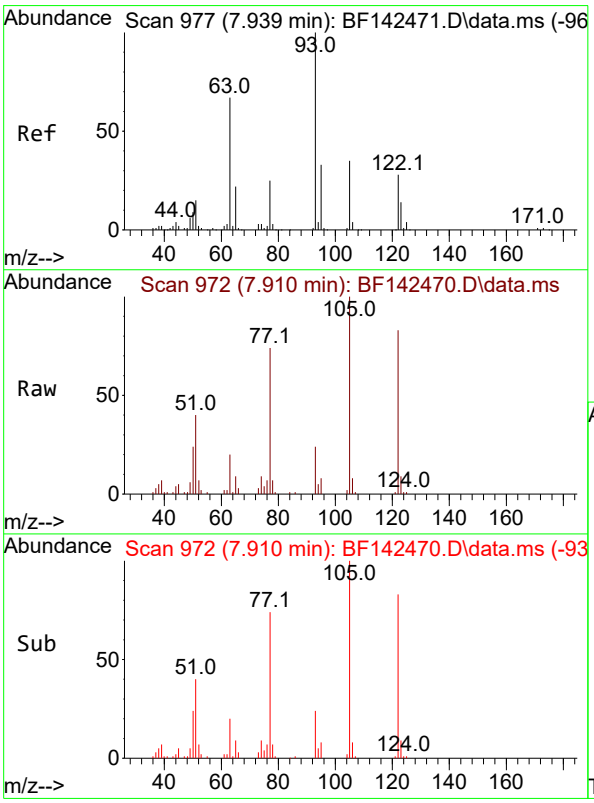
#31
Naphthalene
Concen: 20.713 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 374799

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.1	10.5	15.7

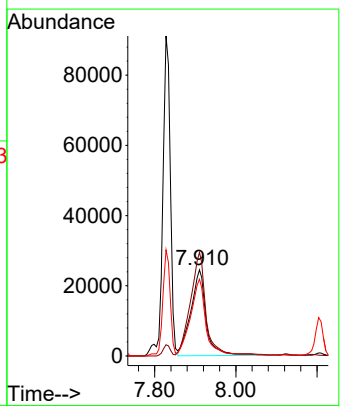


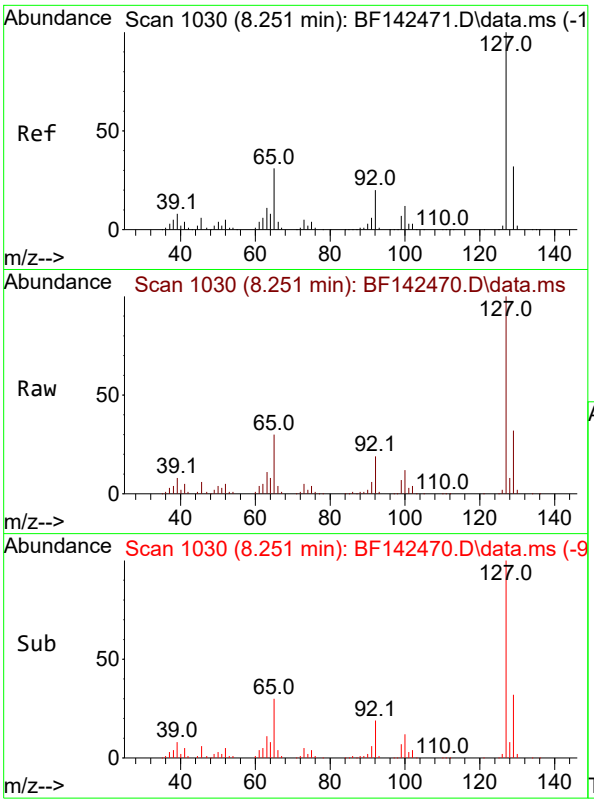


#32
Benzoic acid
Concen: 18.586 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.065 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:122 Resp: 64801

Ion	Ratio	Lower	Upper
122	100		
105	120.5	101.7	141.7
77	89.3	69.5	109.5



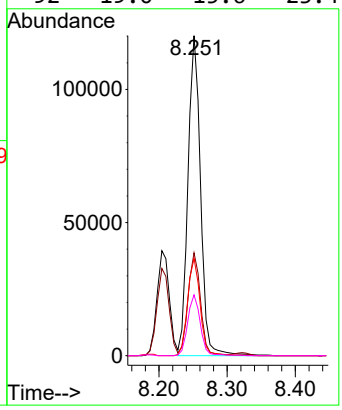


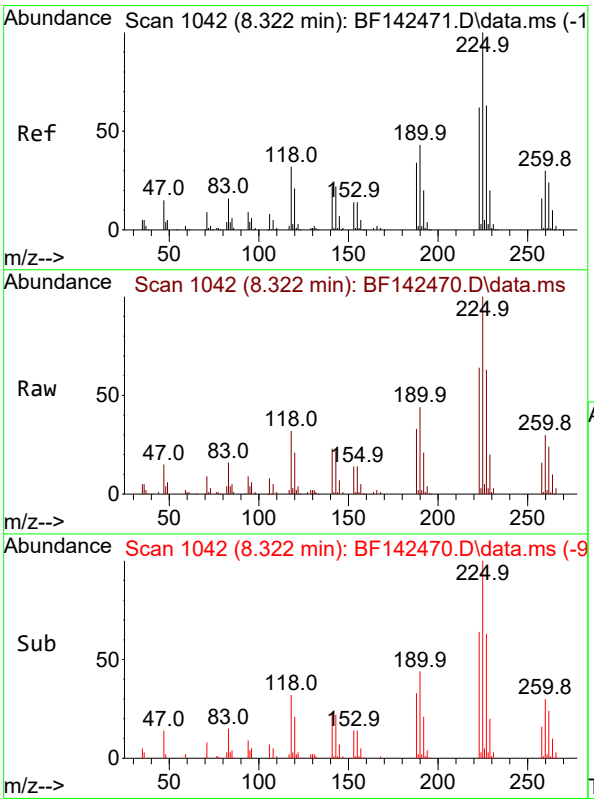
#33
4-Chloroaniline
Concen: 20.853 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 152901

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.1	39.1
65	30.4	24.9	37.3
92	19.0	15.6	23.4

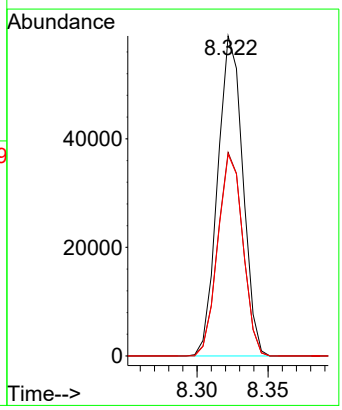


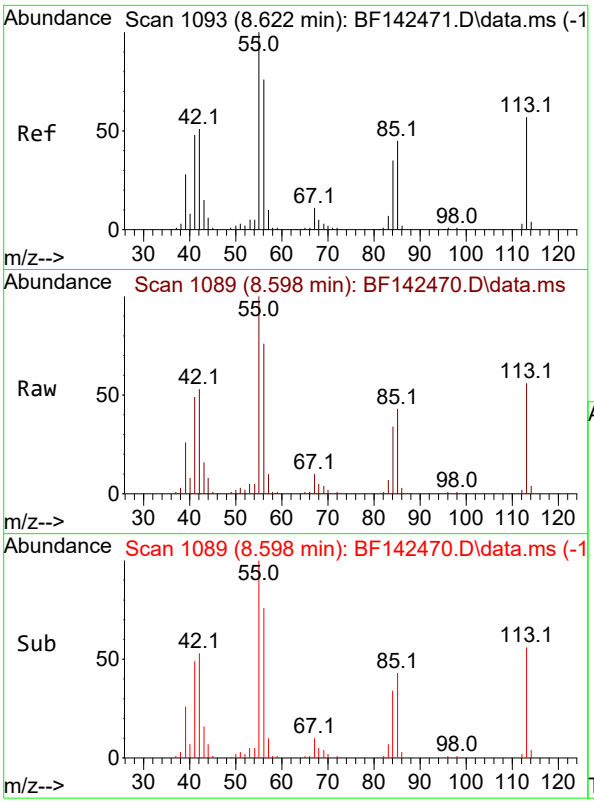


#34
Hexachlorobutadiene
Concen: 20.523 ng
RT: 8.322 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:225 Resp: 72441

Ion	Ratio	Lower	Upper
225	100		
223	63.6	49.7	74.5
227	63.0	50.3	75.5



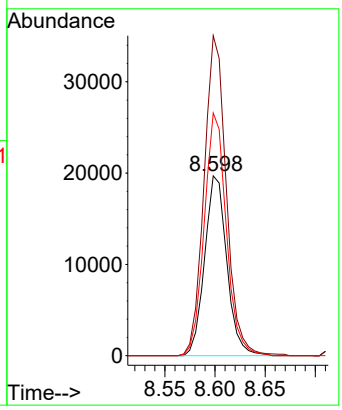


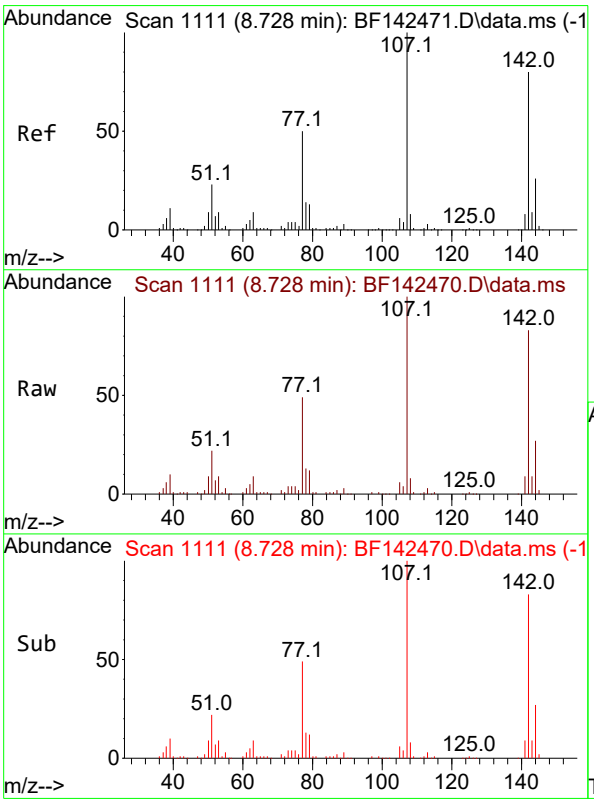
#35
Caprolactam
Concen: 20.762 ng
RT: 8.598 min Scan# 1
Delta R.T. -0.047 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 30374

Ion	Ratio	Lower	Upper
113	100		
55	178.0	154.7	194.7
56	135.0	113.2	153.2

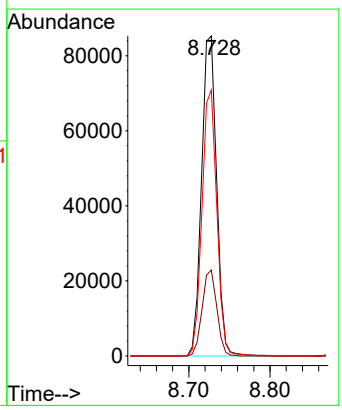


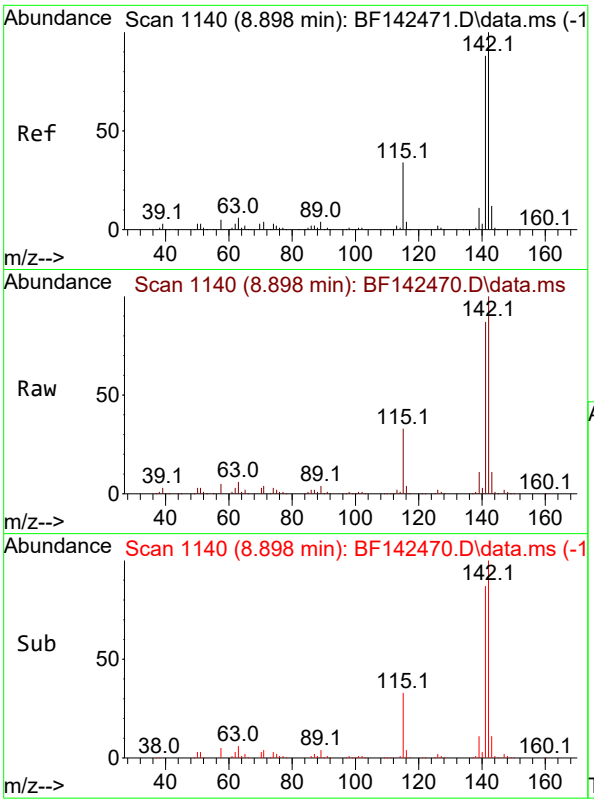


#36
4-Chloro-3-methylphenol
Concen: 20.567 ng
RT: 8.728 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:107 Resp: 109793

Ion	Ratio	Lower	Upper
107	100		
144	26.9	20.9	31.3
142	83.1	64.2	96.2



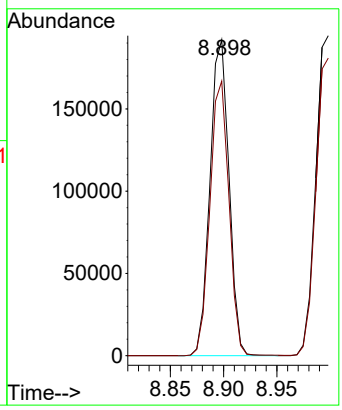


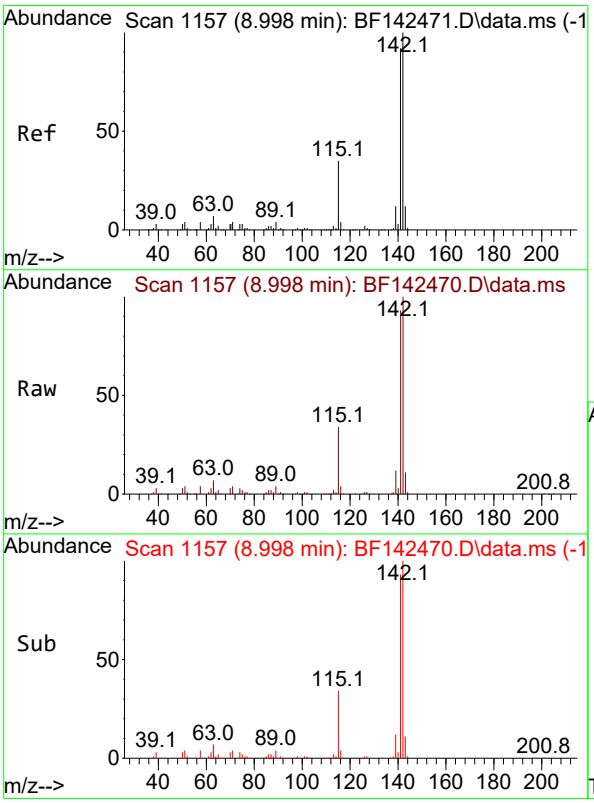
#37
2-Methylnaphthalene
Concen: 20.849 ng
RT: 8.898 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 237350

Ion	Ratio	Lower	Upper
142	100		
141	86.9	70.7	106.1

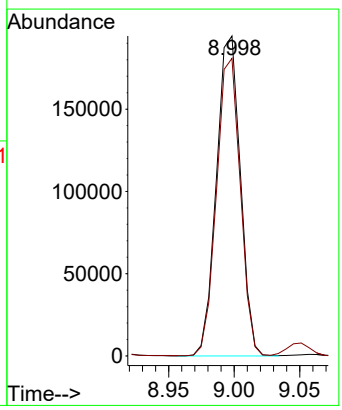


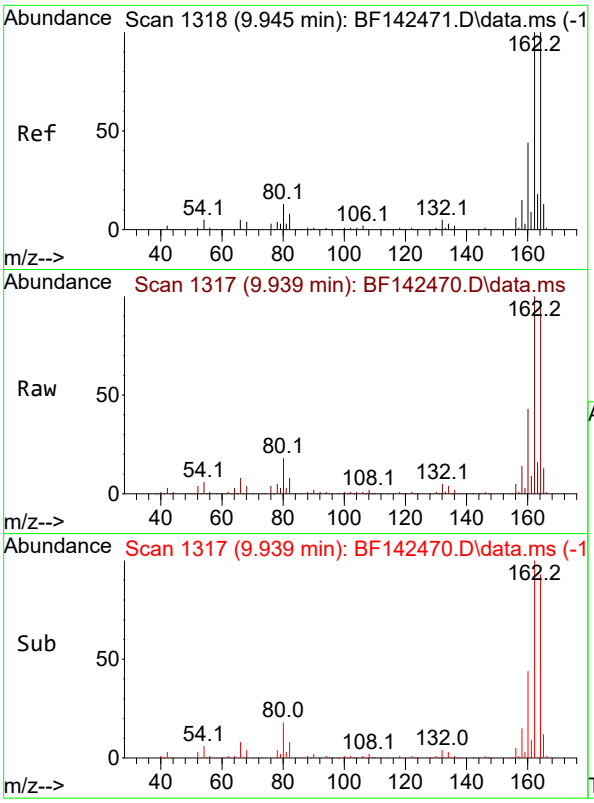


#38
1-Methylnaphthalene
Concen: 20.961 ng
RT: 8.998 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:142 Resp: 246831

Ion	Ratio	Lower	Upper
142	100		
141	93.0	73.4	110.2



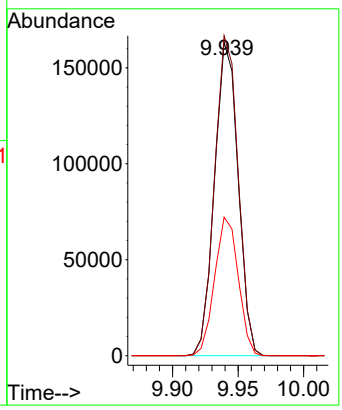


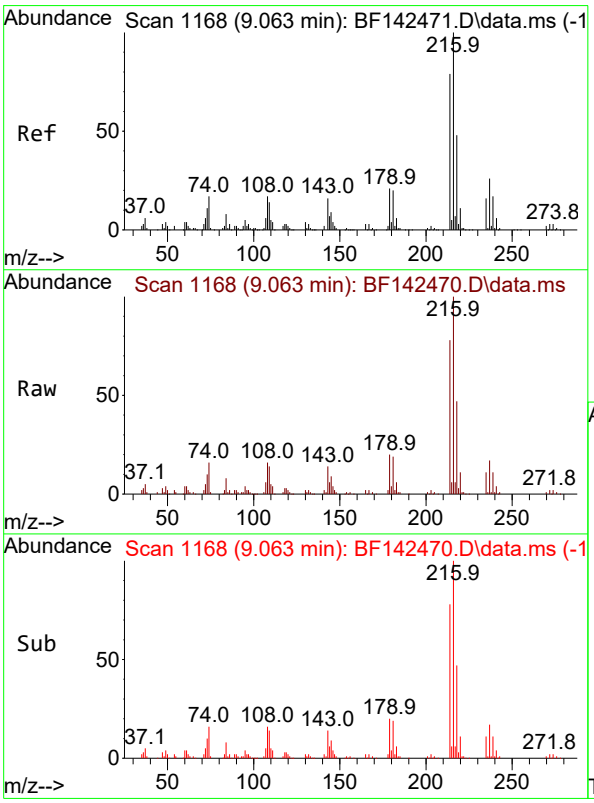
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 204113

Ion	Ratio	Lower	Upper
164	100		
162	102.1	80.2	120.4
160	44.2	35.6	53.4

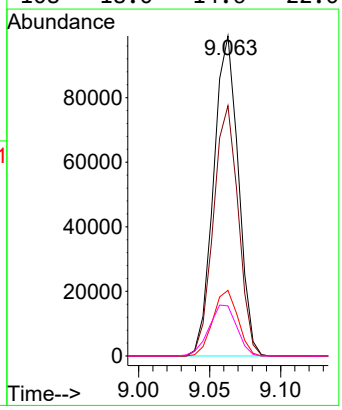


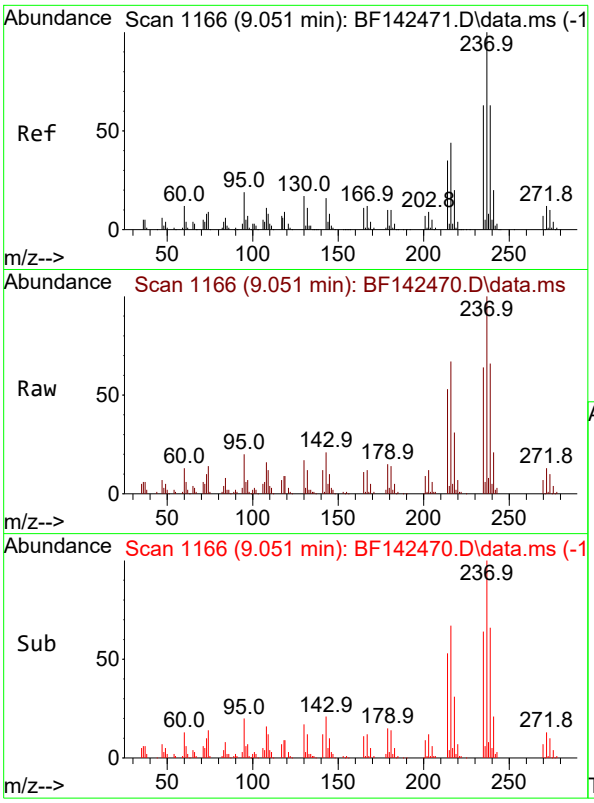


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.477 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:216 Resp: 119980

Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.9	94.3
179	20.7	16.9	25.3
108	18.0	14.6	22.0



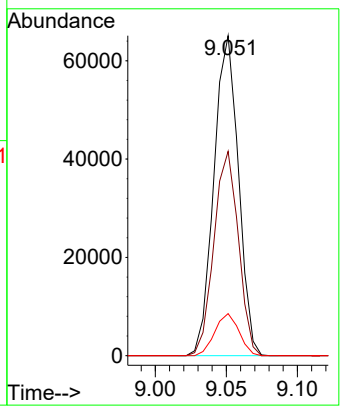


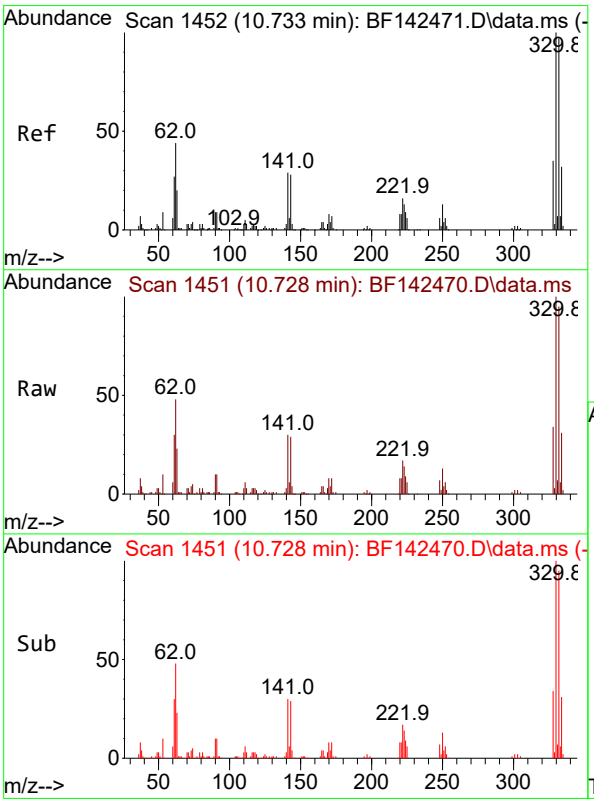
#41
Hexachlorocyclopentadiene
Concen: 19.796 ng
RT: 9.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 78243

Ion	Ratio	Lower	Upper
237	100		
235	63.8	43.3	83.3
272	13.2	0.0	32.4

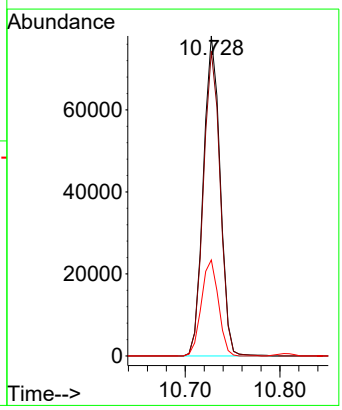


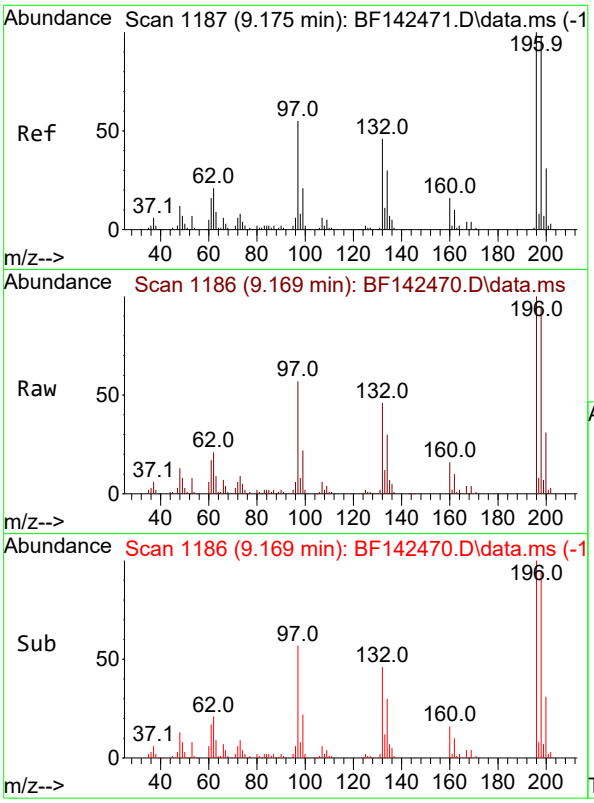


#42
2,4,6-Tribromophenol
Concen: 42.171 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:330 Resp: 95535

Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.6	116.4
141	30.4	24.6	36.8



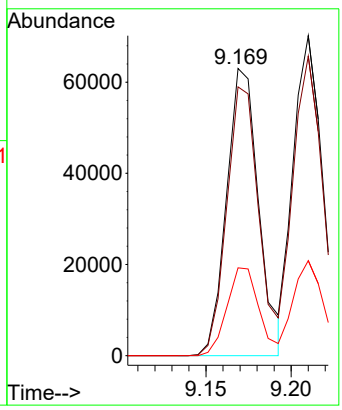


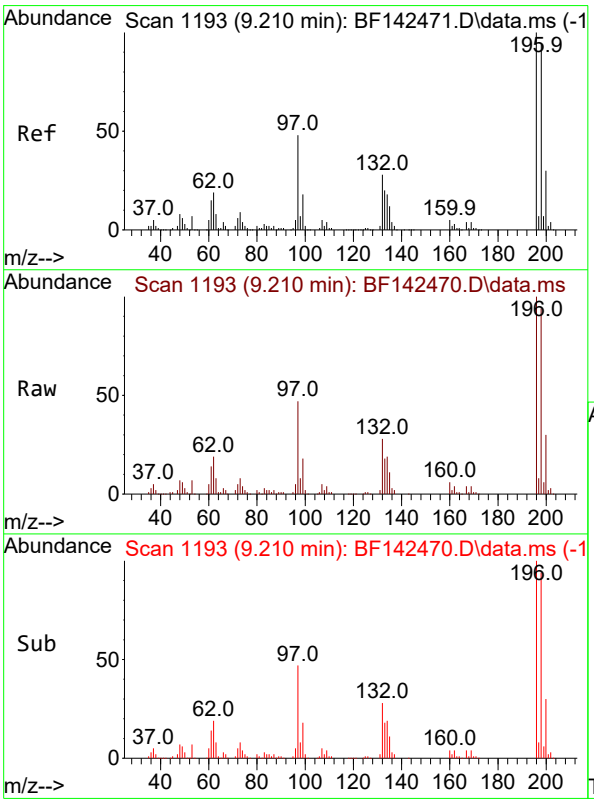
#43
2,4,6-Trichlorophenol
Concen: 20.971 ng
RT: 9.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 82857

Ion	Ratio	Lower	Upper
196	100		
198	93.6	78.8	118.2
200	30.6	24.9	37.3

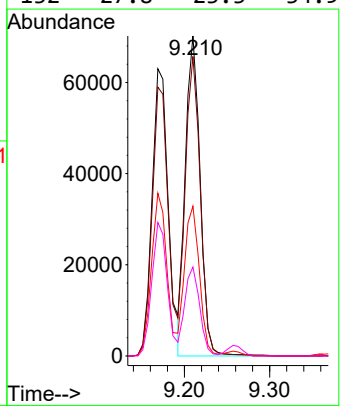


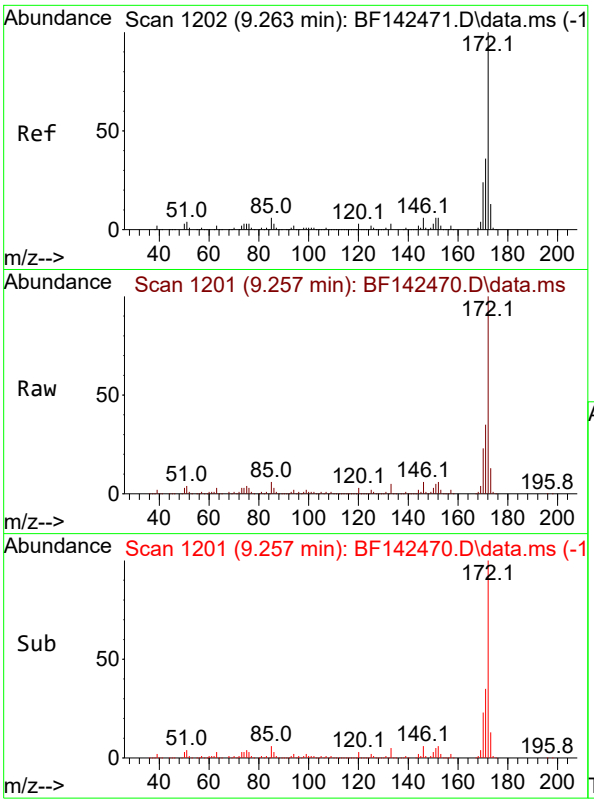


#44
2,4,5-Trichlorophenol
Concen: 20.383 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:196 Resp: 84935

Ion	Ratio	Lower	Upper
196	100		
198	93.6	75.5	113.3
97	46.8	39.3	58.9
132	27.8	23.3	34.9



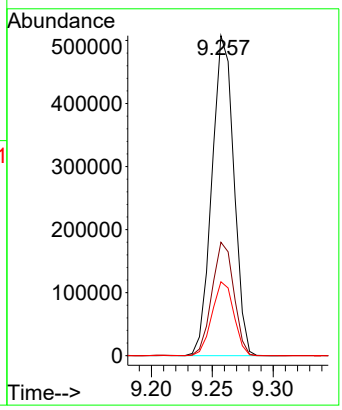


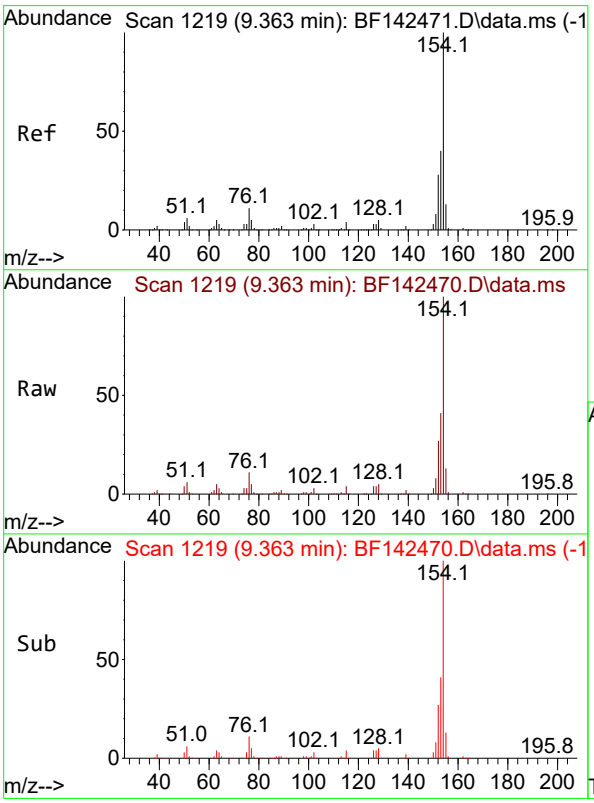
#45
2-Fluorobiphenyl
Concen: 41.799 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 635813

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	42.8
170	23.1	18.9	28.3

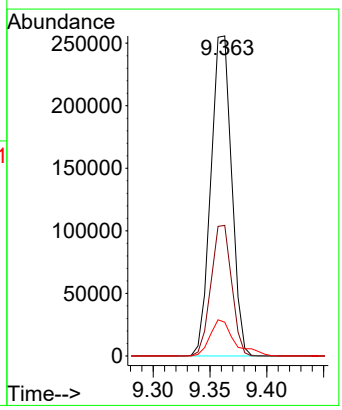


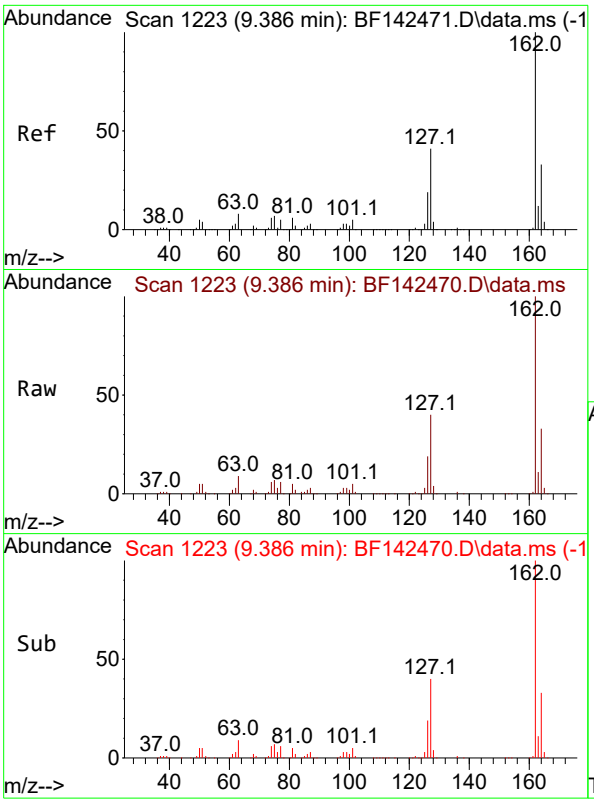


#46
1,1'-Biphenyl
Concen: 20.553 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:154 Resp: 325474

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.4	60.4
76	10.6	0.0	30.8



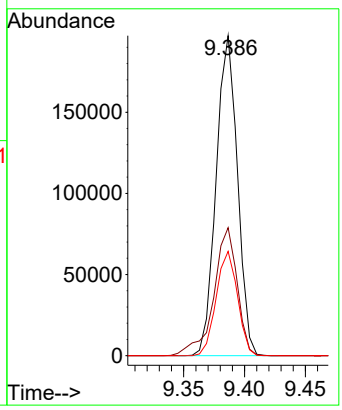


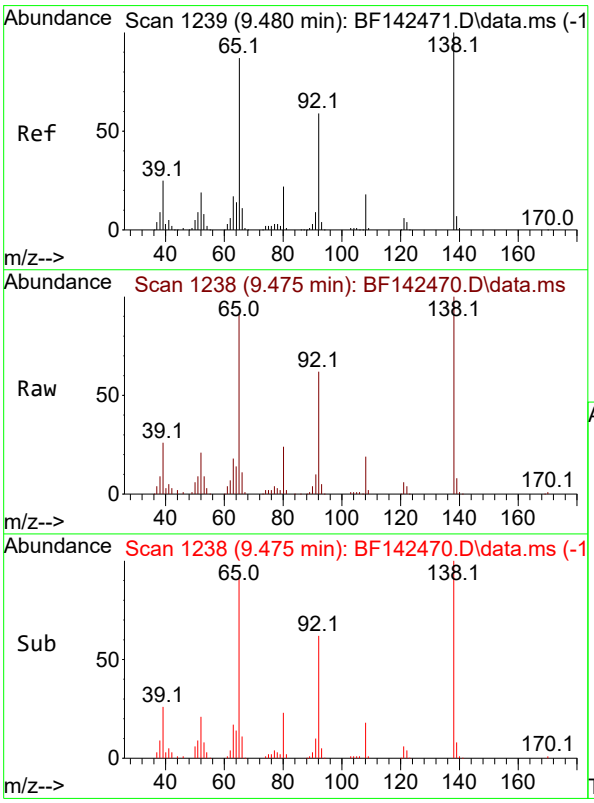
#47
2-Chloronaphthalene
Concen: 20.526 ng
RT: 9.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 240148

Ion	Ratio	Lower	Upper
162	100		
127	40.0	33.5	50.3
164	32.6	26.1	39.1

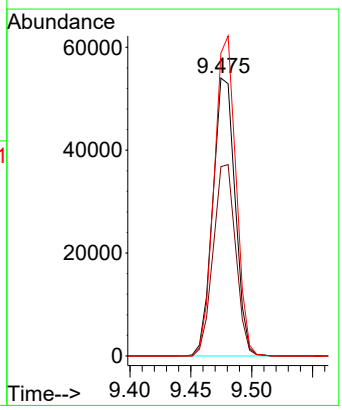


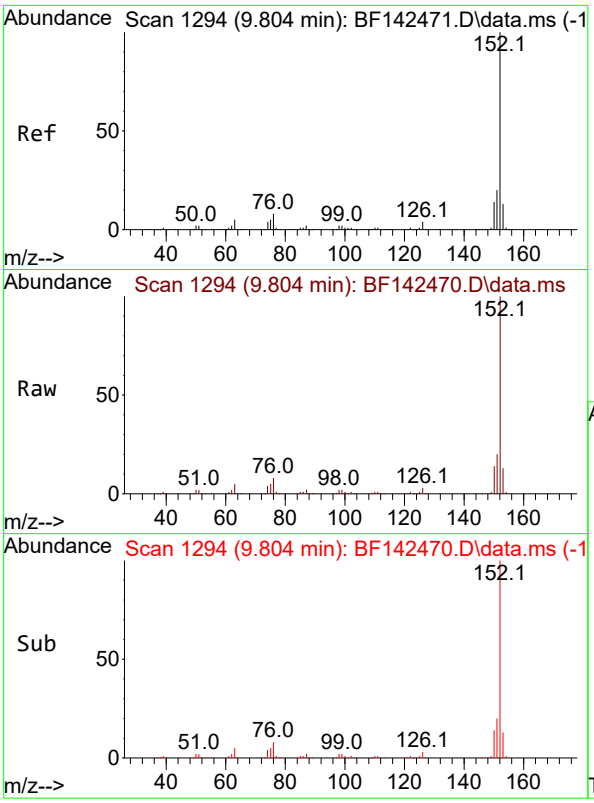


#48
2-Nitroaniline
Concen: 20.424 ng
RT: 9.475 min Scan# 1238
Delta R.T. -0.011 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion: 65 Resp: 69068

Ion	Ratio	Lower	Upper
65	100		
92	68.1	54.4	81.6
138	109.0	91.4	137.2



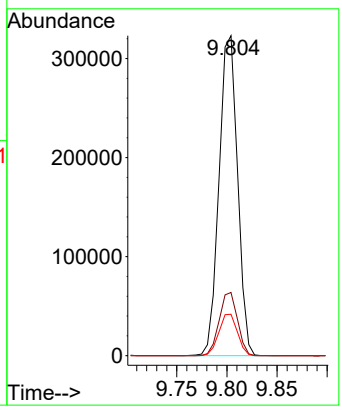


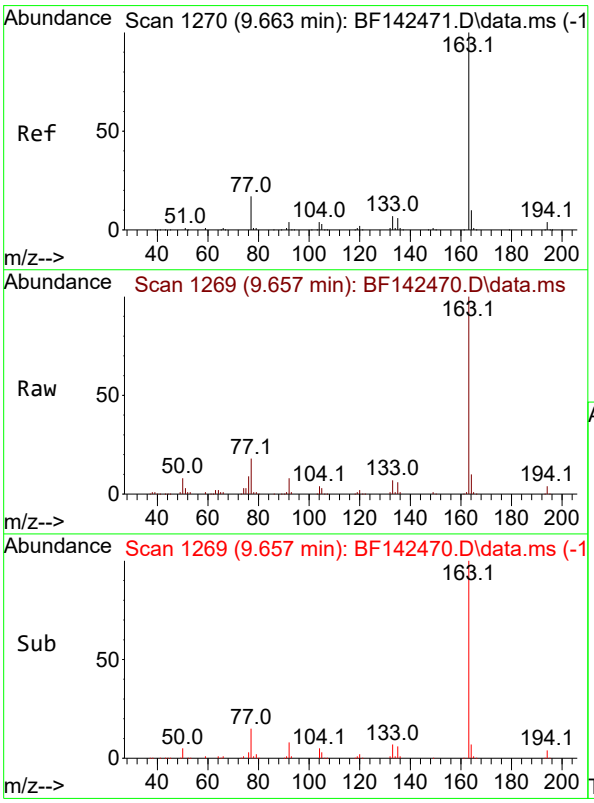
#49
Acenaphthylene
Concen: 20.945 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 413782

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	13.0	10.6	15.8

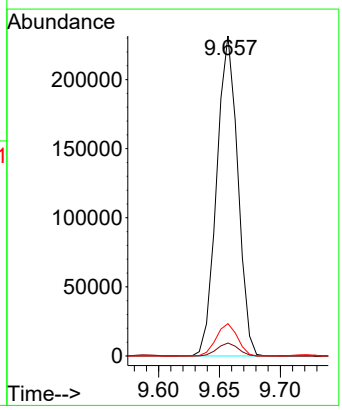


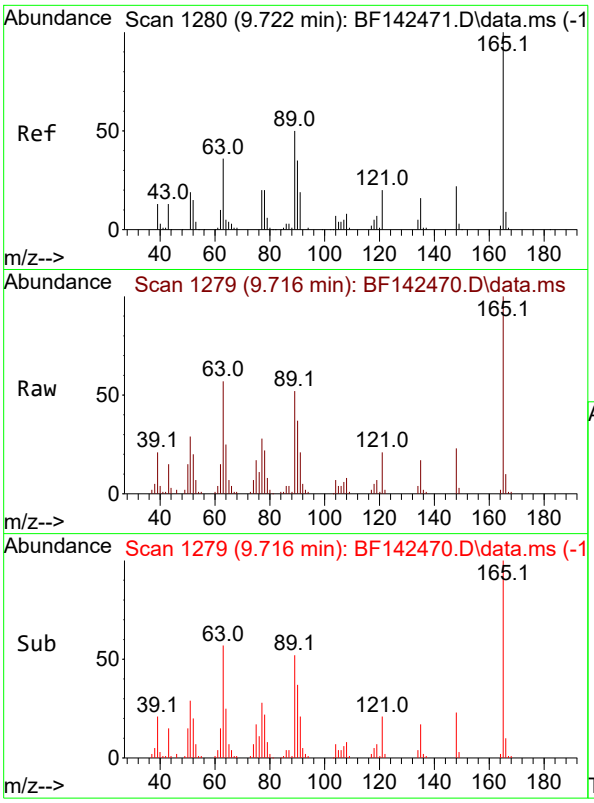


#50
Dimethylphthalate
Concen: 20.724 ng
RT: 9.657 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:163 Resp: 279113

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.1	8.2	12.4



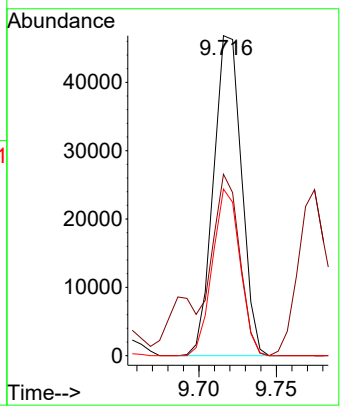


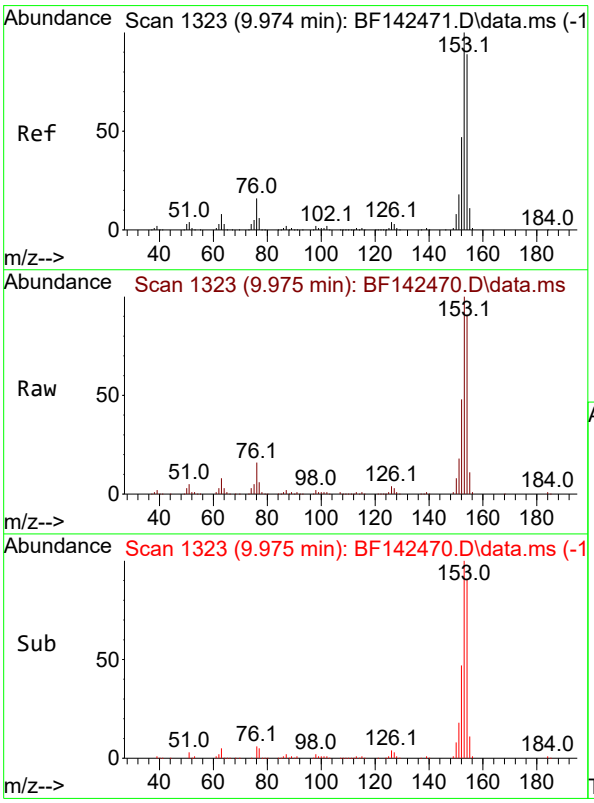
#51
2,6-Dinitrotoluene
Concen: 20.308 ng
RT: 9.716 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 59031

Ion	Ratio	Lower	Upper
165	100		
63	56.7	42.9	64.3
89	52.1	40.2	60.4

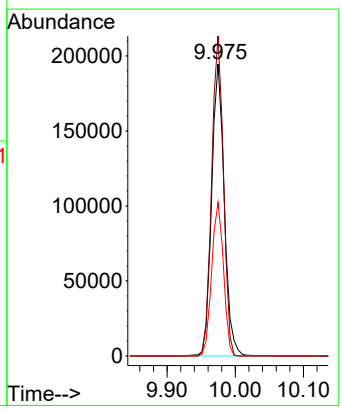


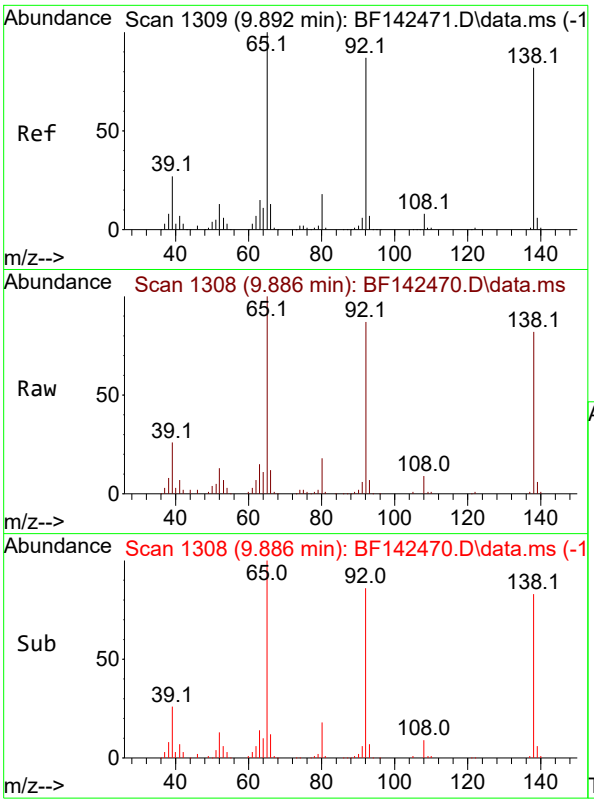


#52
Acenaphthene
Concen: 20.764 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.005 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:154 Resp: 250487

Ion	Ratio	Lower	Upper
154	100		
153	109.6	90.0	135.0
152	52.6	42.6	64.0



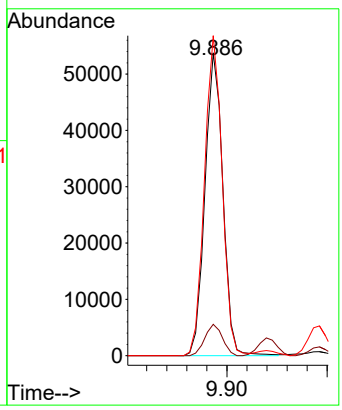


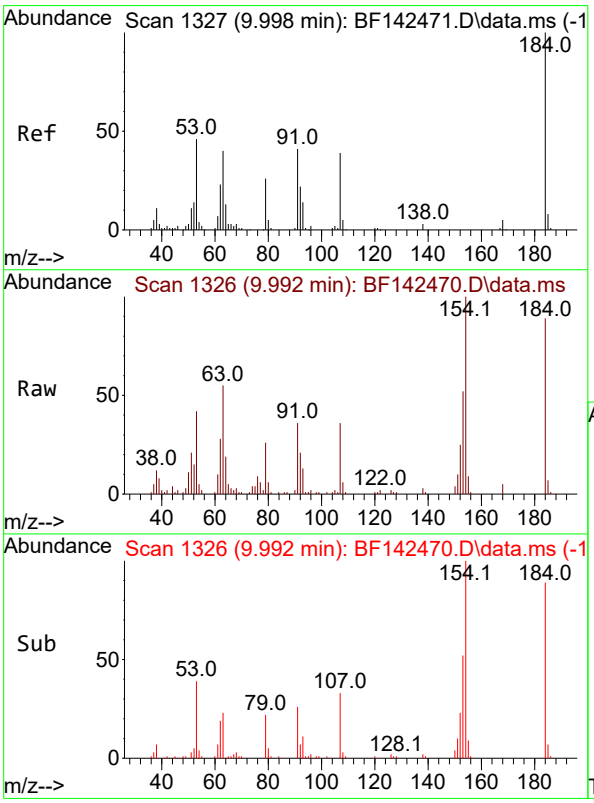
#53
3-Nitroaniline
Concen: 21.055 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 66847

Ion	Ratio	Lower	Upper
138	100		
108	10.4	8.1	12.1
92	105.6	85.2	127.8

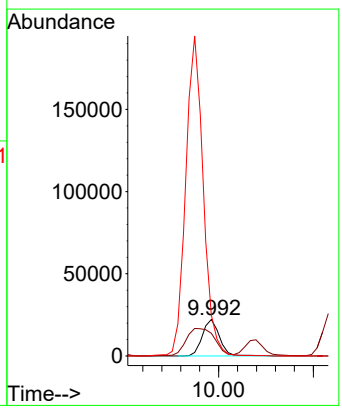


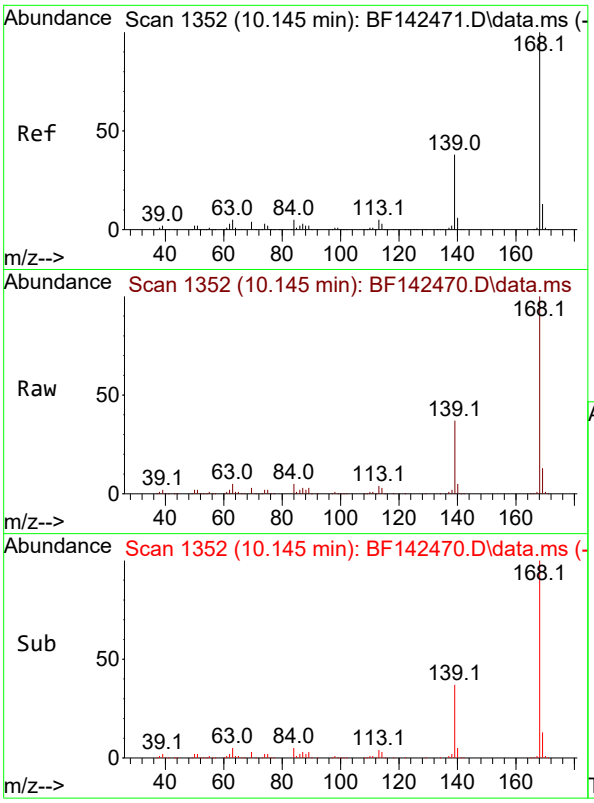


#54
2,4-Dinitrophenol
Concen: 18.553 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:184 Resp: 27863

Ion	Ratio	Lower	Upper
184	100		
63	62.4	46.3	69.5
154	112.6	56.8	85.2#



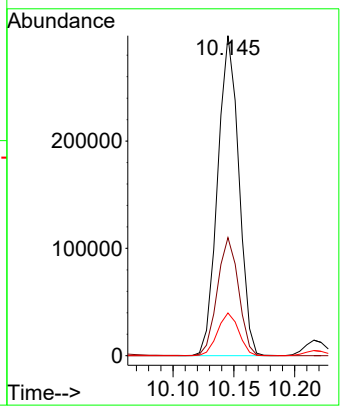


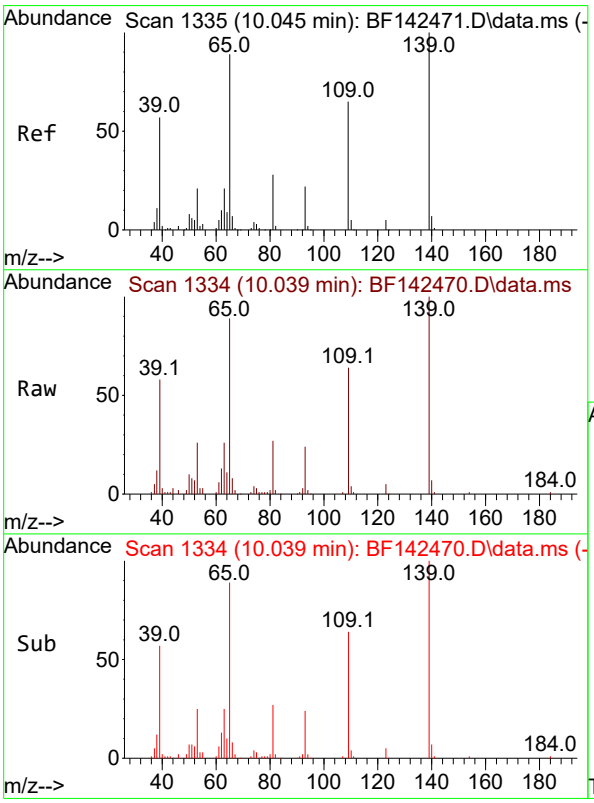
#55
Dibenzofuran
Concen: 20.792 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 360936

Ion	Ratio	Lower	Upper
168	100		
139	36.9	30.2	45.2
169	13.4	10.7	16.1

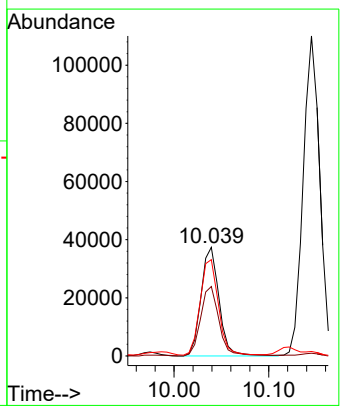


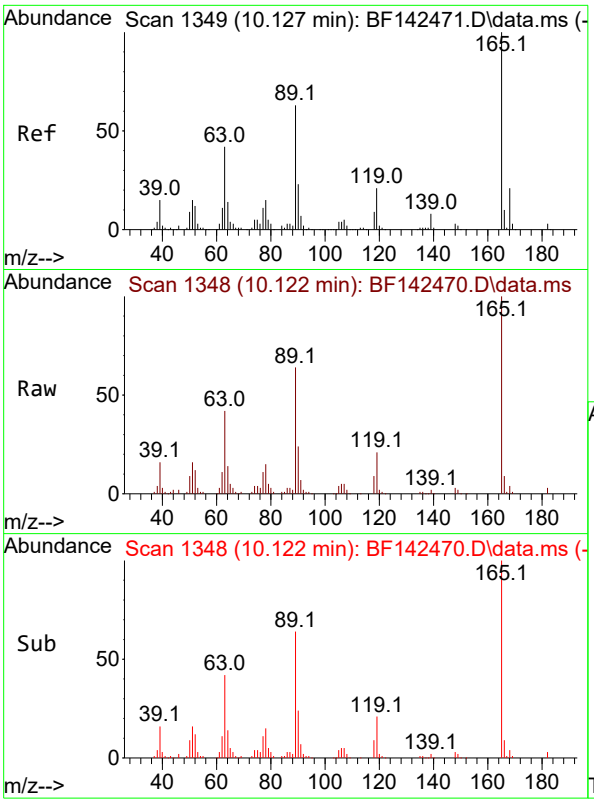


#56
4-Nitrophenol
Concen: 21.067 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:139 Resp: 49352

Ion	Ratio	Lower	Upper
139	100		
109	63.9	45.1	85.1
65	88.7	69.7	109.7



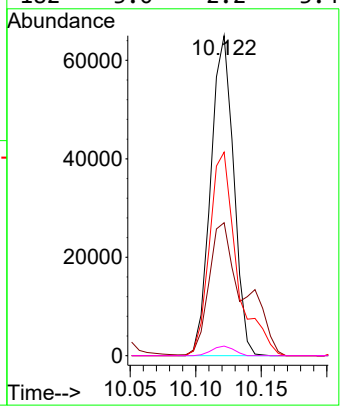


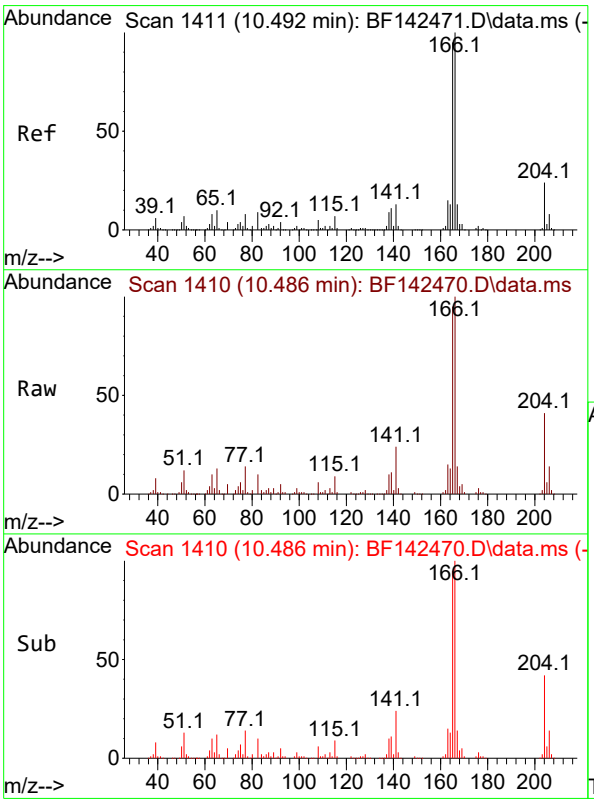
#57
2,4-Dinitrotoluene
Concen: 20.827 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 79063

Ion	Ratio	Lower	Upper
165	100		
63	41.5	33.6	50.4
89	63.6	50.2	75.4
182	3.0	2.2	3.4

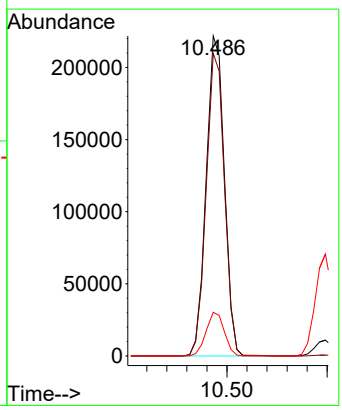


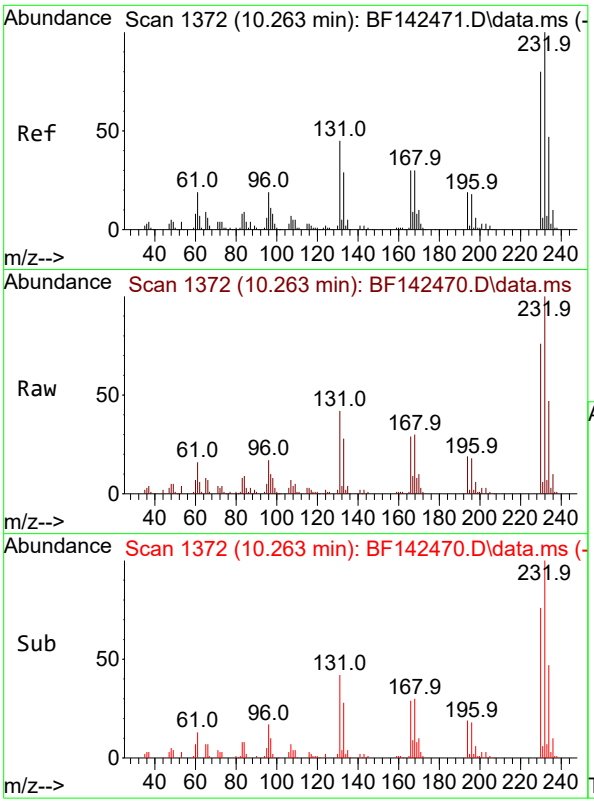


#58
Fluorene
Concen: 20.878 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:166 Resp: 279994

Ion	Ratio	Lower	Upper
166	100		
165	94.5	75.8	113.8
167	13.6	10.6	16.0



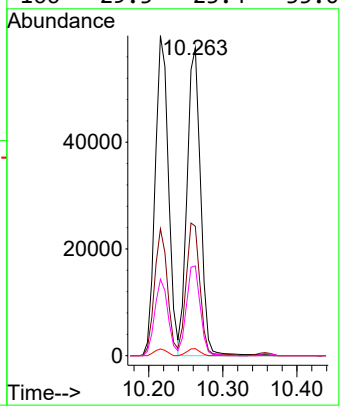


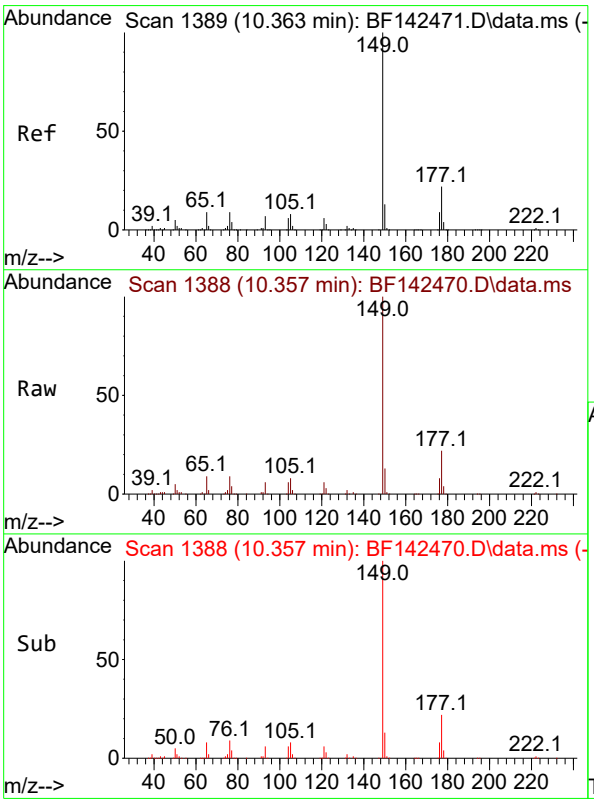
#59
2,3,4,6-Tetrachlorophenol
Concen: 21.140 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 73538

Ion	Ratio	Lower	Upper
232	100		
131	43.7	35.2	52.8
130	2.2	1.7	2.5
166	29.5	23.4	35.0

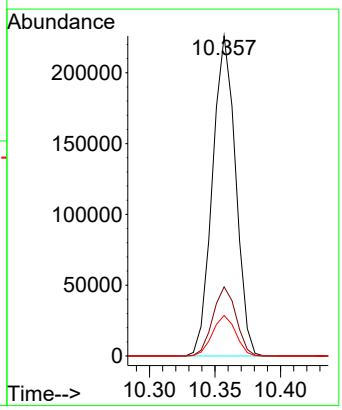


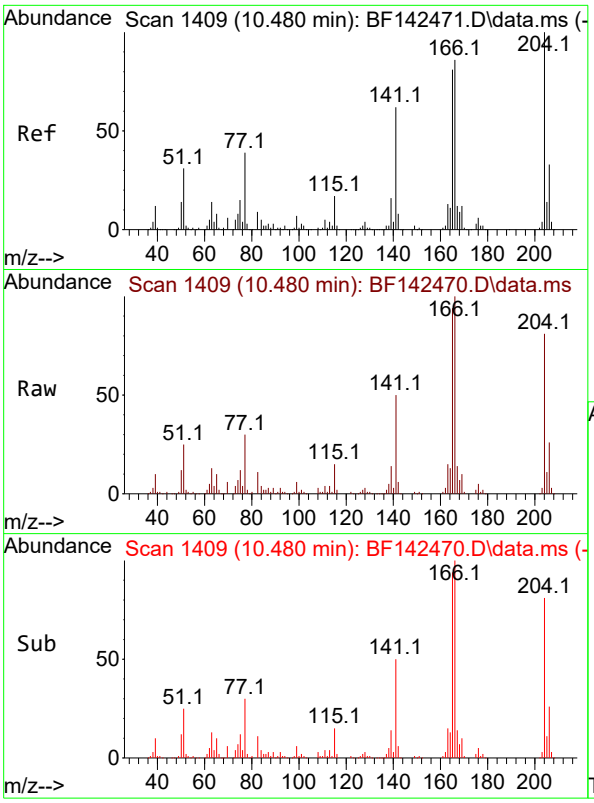


#60
Diethylphthalate
Concen: 21.084 ng
RT: 10.357 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:149 Resp: 277325

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.6	26.4
150	12.7	10.1	15.1



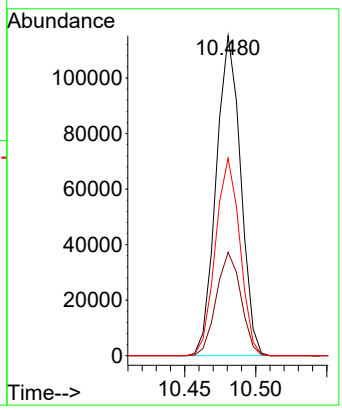


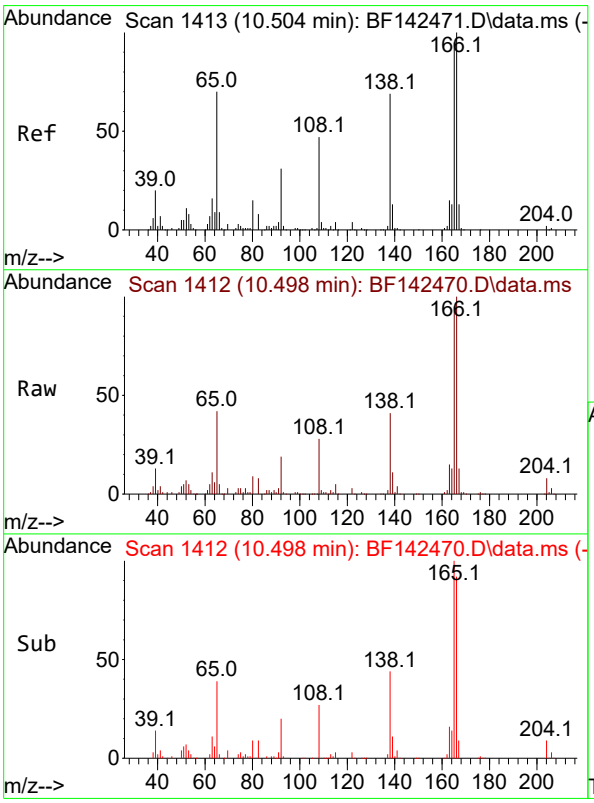
#61
4-Chlorophenyl-phenylether
Concen: 20.944 ng
RT: 10.480 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 137985

Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.3	39.5
141	61.7	49.5	74.3

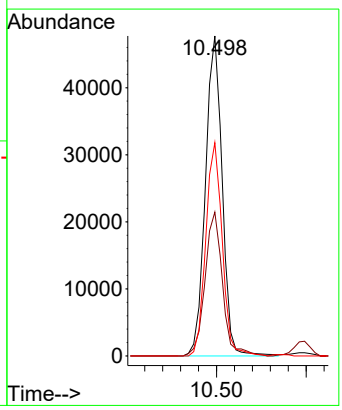


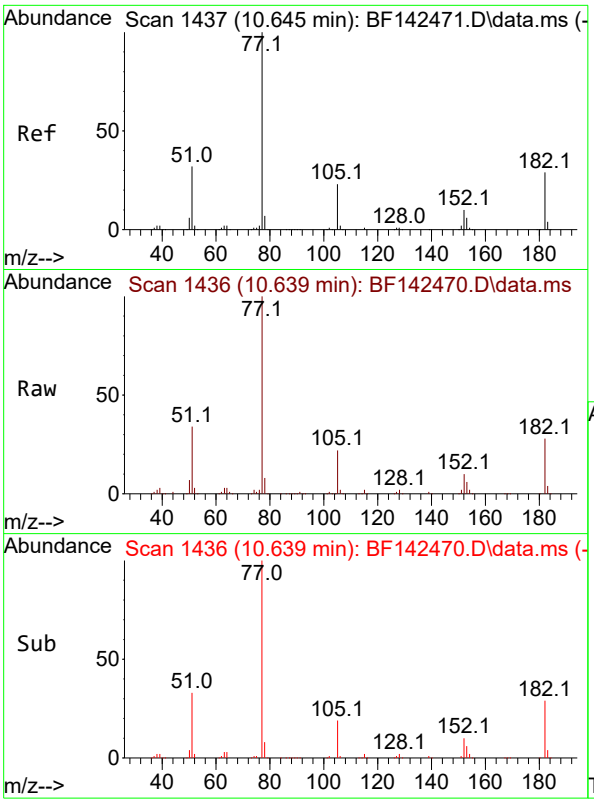


#62
4-Nitroaniline
Concen: 21.481 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:138 Resp: 61856

Ion	Ratio	Lower	Upper
138	100		
92	44.9	26.0	66.0
108	66.7	48.4	88.4



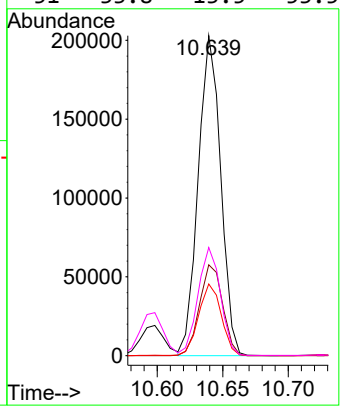


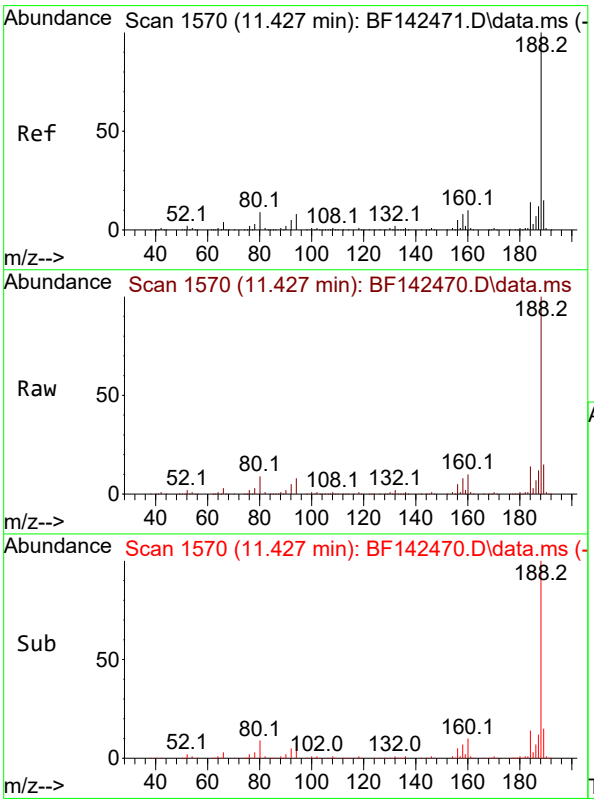
#63
Azobenzene
Concen: 20.530 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 242545

Ion	Ratio	Lower	Upper
77	100		
182	28.4	9.0	49.0
105	22.4	2.4	42.4
51	33.8	13.5	53.5

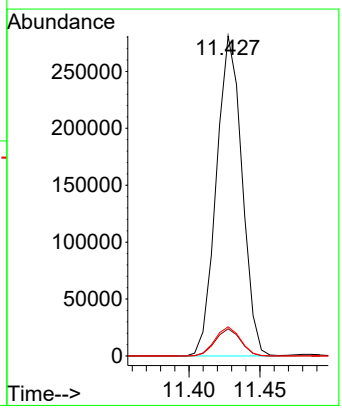


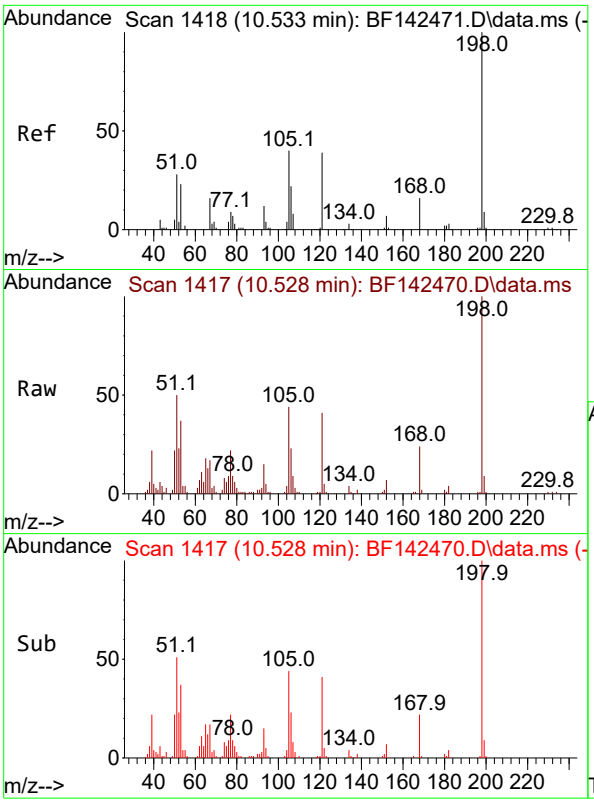


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:188 Resp: 353003

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.1	7.4	11.0



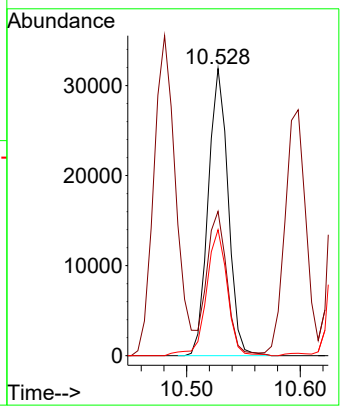


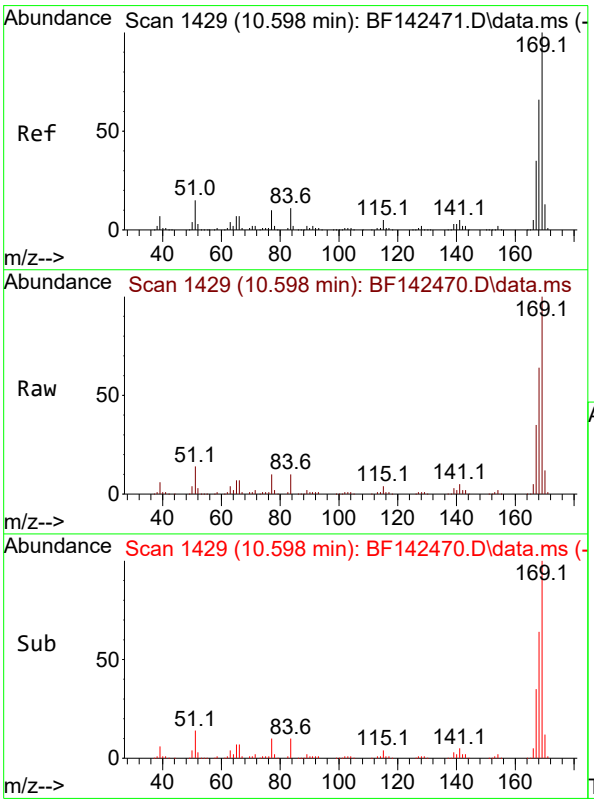
#65
4,6-Dinitro-2-methylphenol
Concen: 19.673 ng
RT: 10.528 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 38757

Ion	Ratio	Lower	Upper
198	100		
51	50.3	28.3	68.3
105	43.9	21.3	61.3

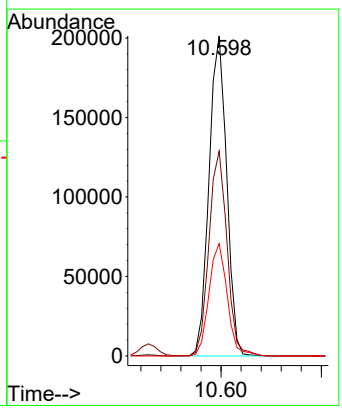


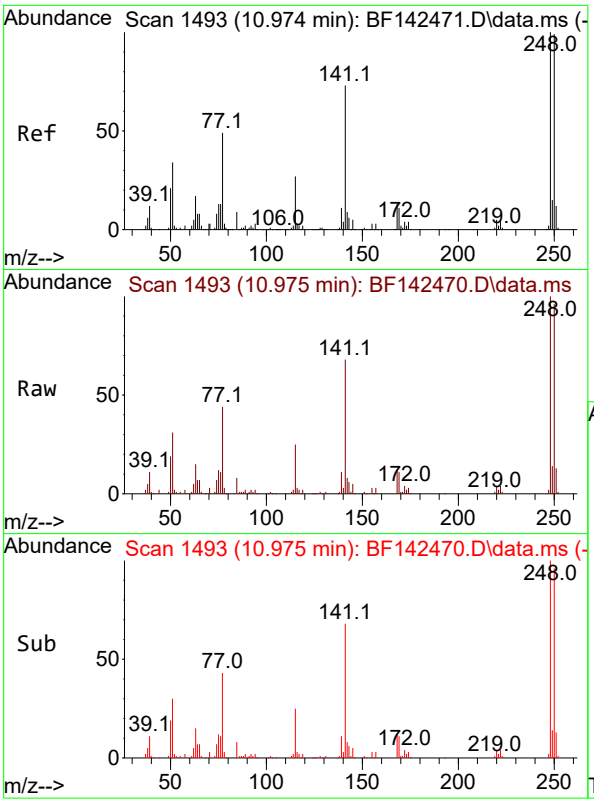


#66
n-Nitrosodiphenylamine
Concen: 20.348 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:169 Resp: 245739

Ion	Ratio	Lower	Upper
169	100		
168	64.0	52.7	79.1
167	35.1	28.3	42.5



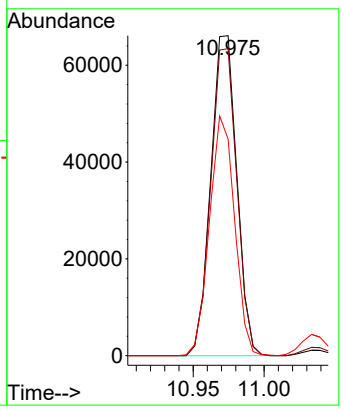


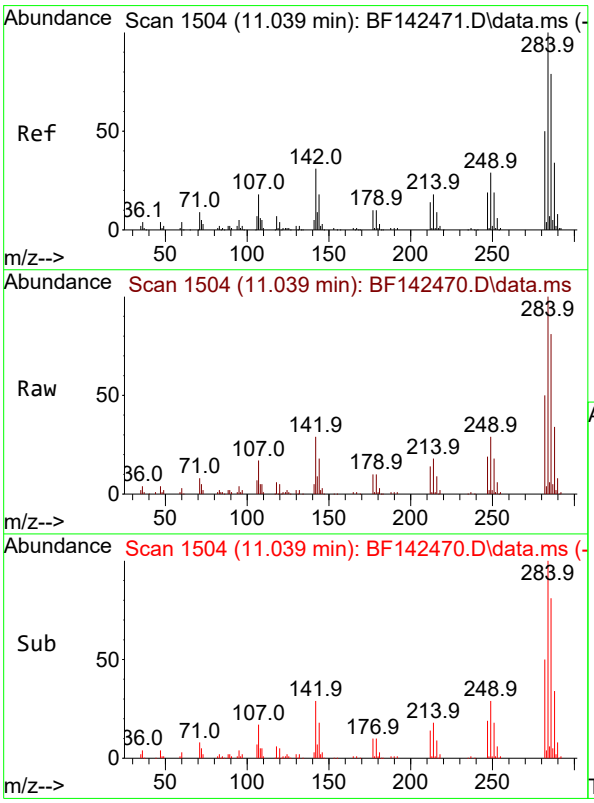
#67
4-Bromophenyl-phenylether
Concen: 20.222 ng
RT: 10.975 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 84406

Ion	Ratio	Lower	Upper
248	100		
250	95.9	79.0	118.4
141	67.7	58.4	87.6

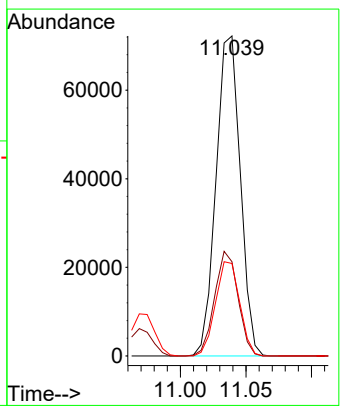


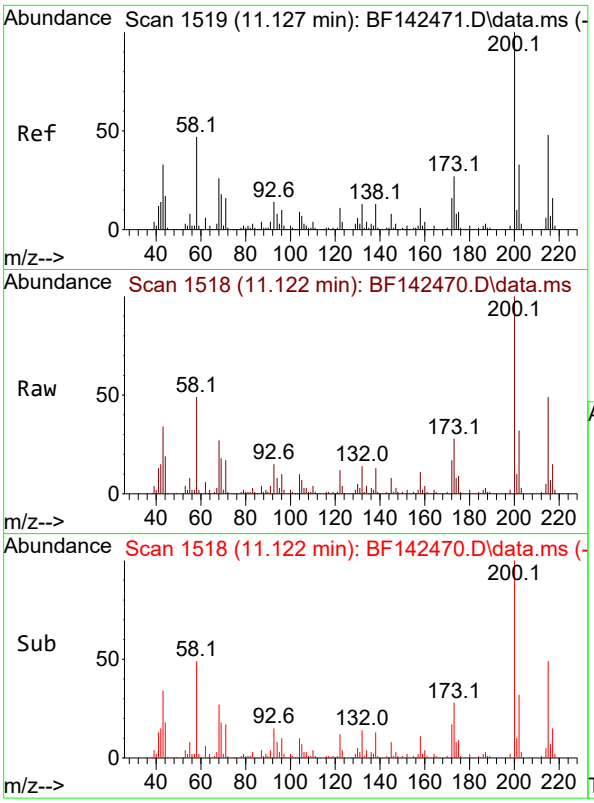


#68
Hexachlorobenzene
Concen: 20.102 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:284 Resp: 92803

Ion	Ratio	Lower	Upper
284	100		
142	29.4	24.8	37.2
249	28.9	23.6	35.4



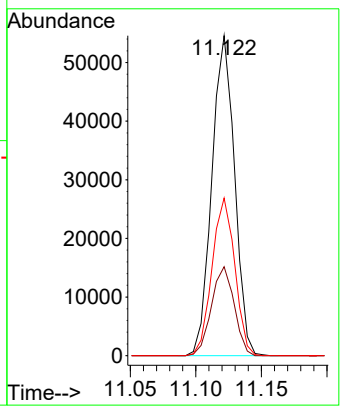


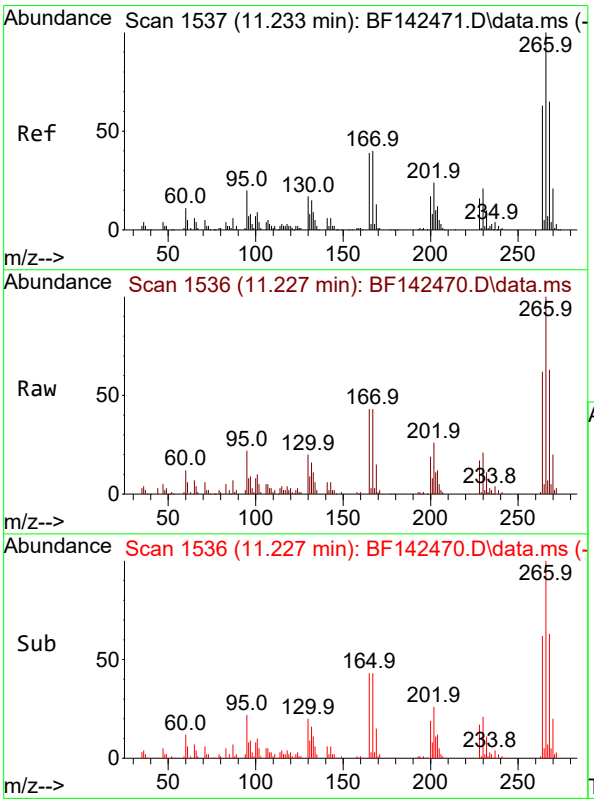
#69
Atrazine
Concen: 20.471 ng
RT: 11.122 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 65656

Ion	Ratio	Lower	Upper
200	100		
173	27.8	7.4	47.4
215	49.2	28.5	68.5

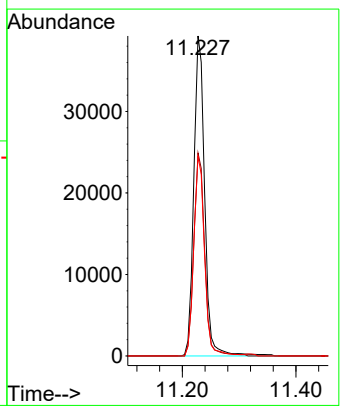


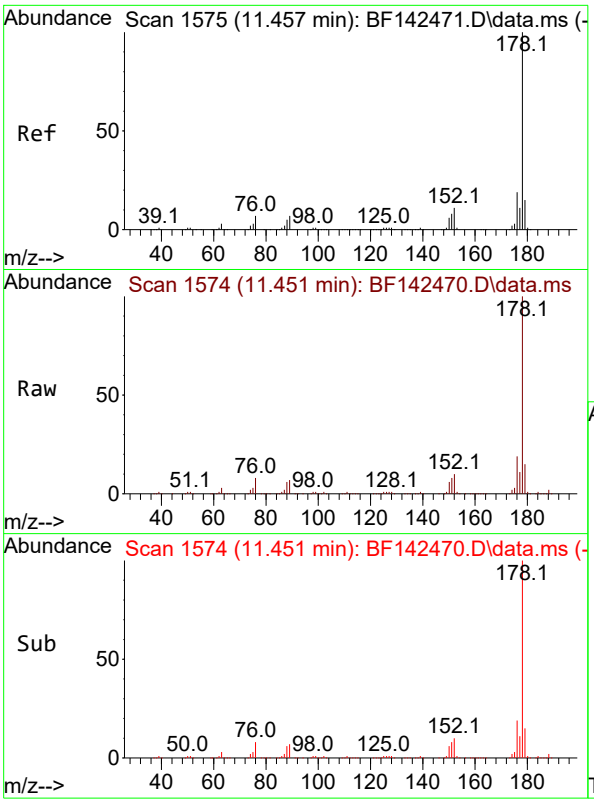


#70
Pentachlorophenol
Concen: 20.152 ng
RT: 11.227 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:266 Resp: 52525

Ion	Ratio	Lower	Upper
266	100		
268	63.4	51.7	77.5
264	62.5	50.4	75.6



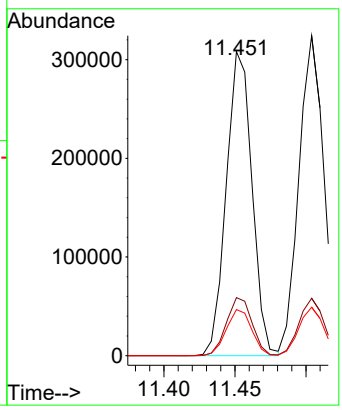


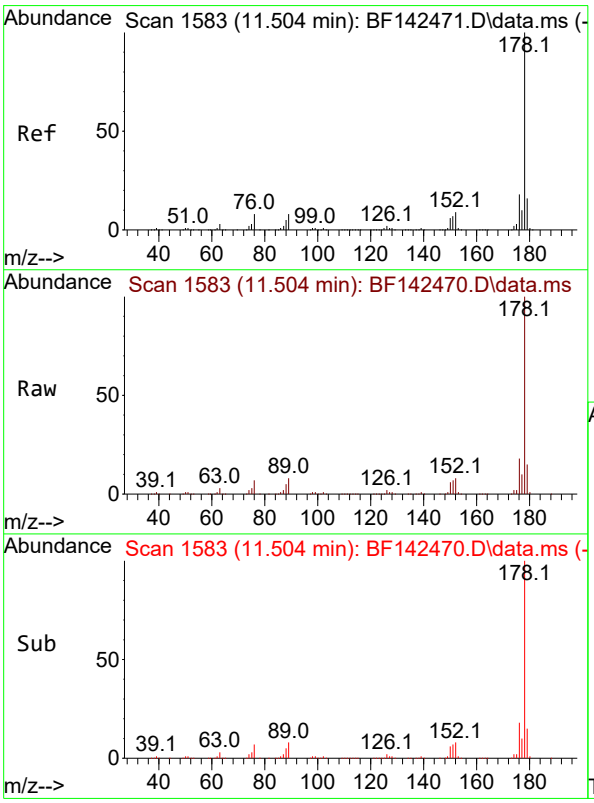
#71
Phenanthrene
Concen: 20.584 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 388317

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.2	12.3	18.5

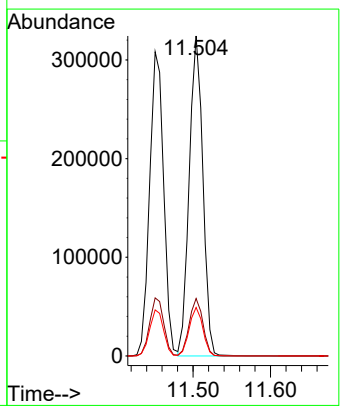


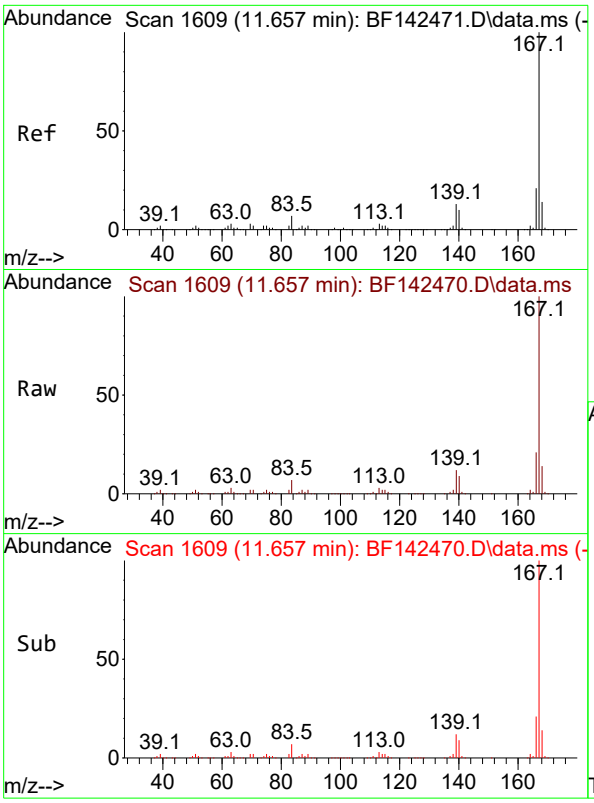


#72
Anthracene
Concen: 20.604 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:178 Resp: 396704

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	15.2	12.4	18.6



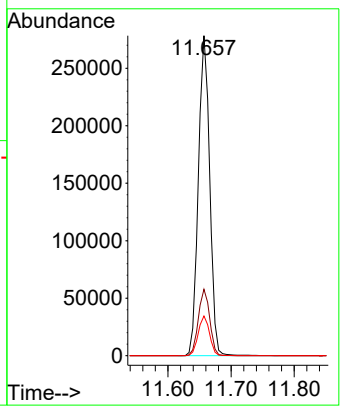


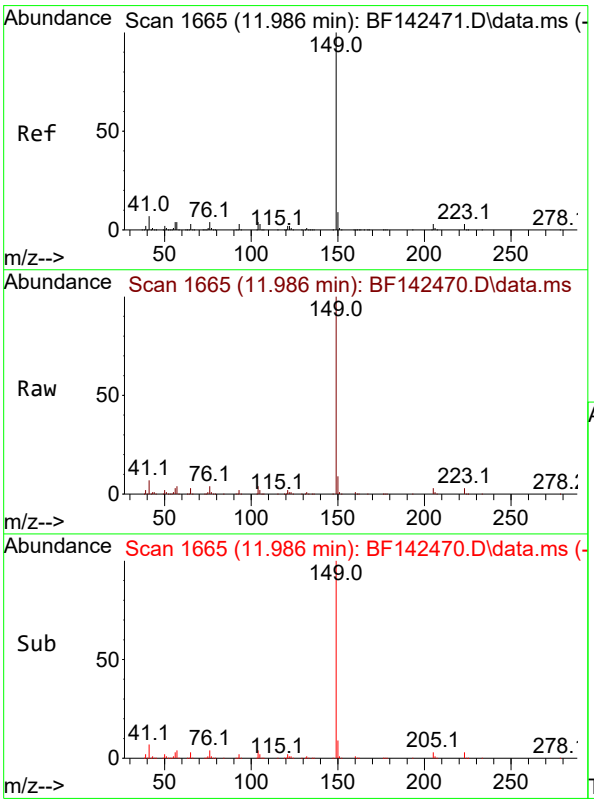
#73
Carbazole
Concen: 21.055 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 346558

Ion	Ratio	Lower	Upper
167	100		
166	20.8	16.9	25.3
139	12.4	10.2	15.4

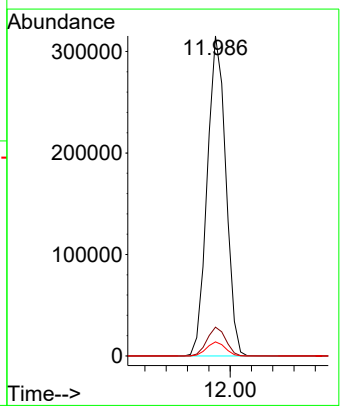


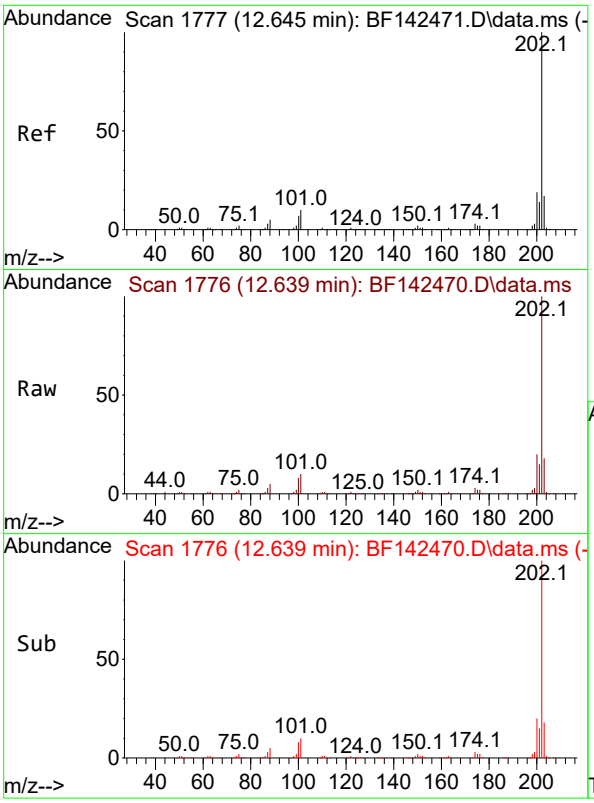


#74
Di-n-butylphthalate
Concen: 21.221 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:149 Resp: 382324

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.3	10.9
104	4.4	3.6	5.4



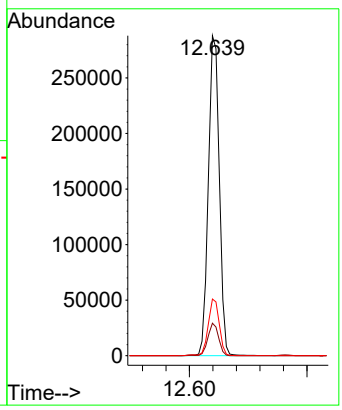


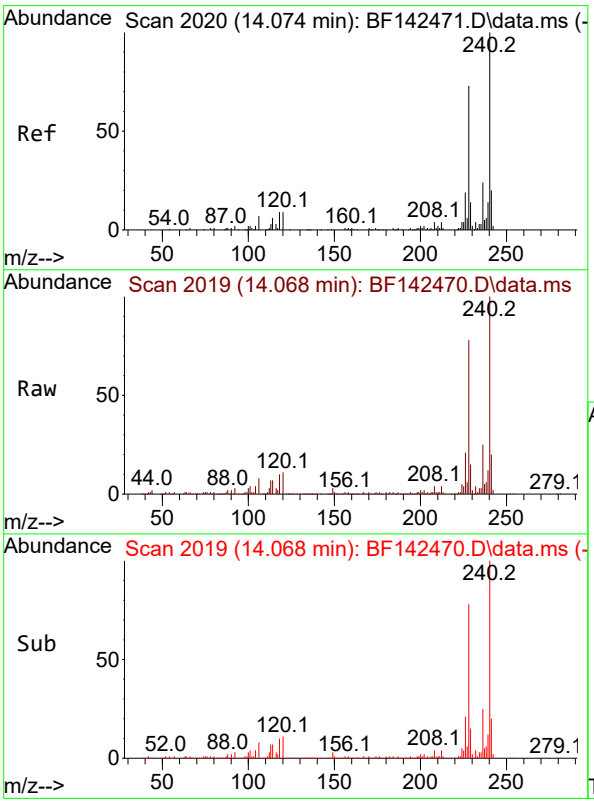
#75
Fluoranthene
Concen: 21.059 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 371226

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	29.6
203	17.7	0.0	37.2

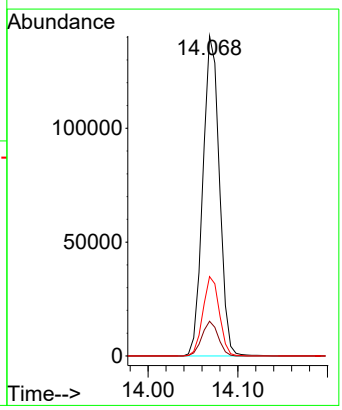


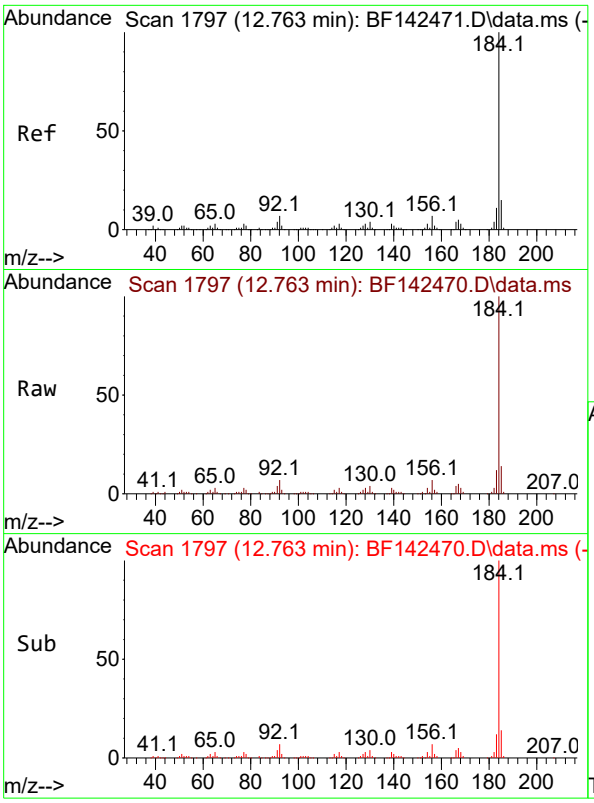


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:240 Resp: 179495

Ion	Ratio	Lower	Upper
240	100		
120	10.9	7.5	11.3
236	24.8	19.6	29.4



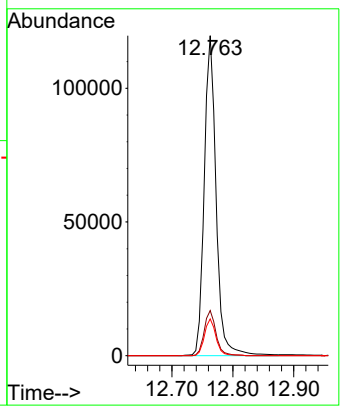


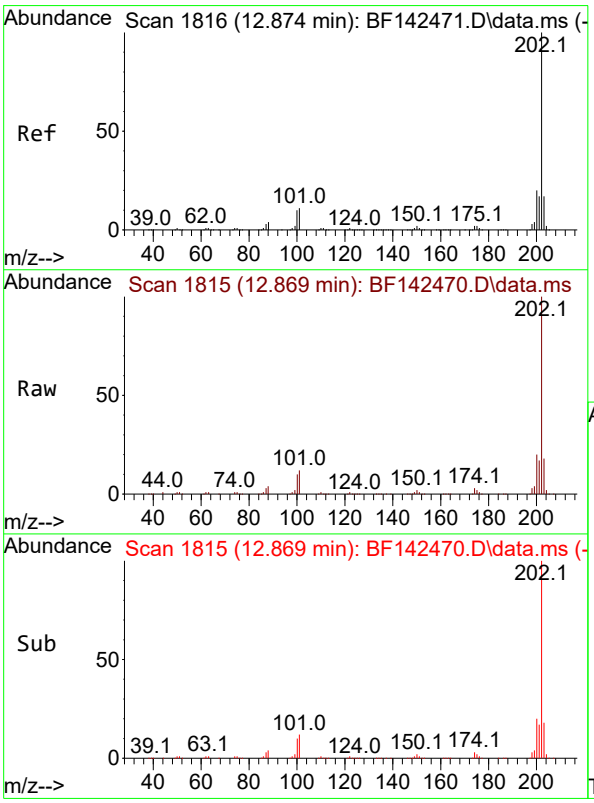
#77
Benzidine
Concen: 24.258 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 162031

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.6	17.4
183	11.5	9.0	13.4

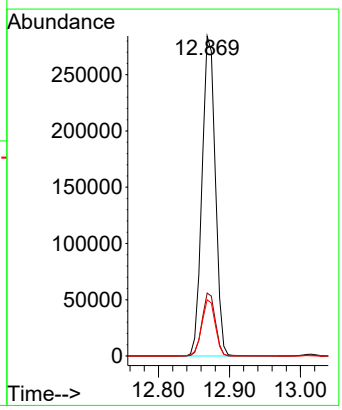


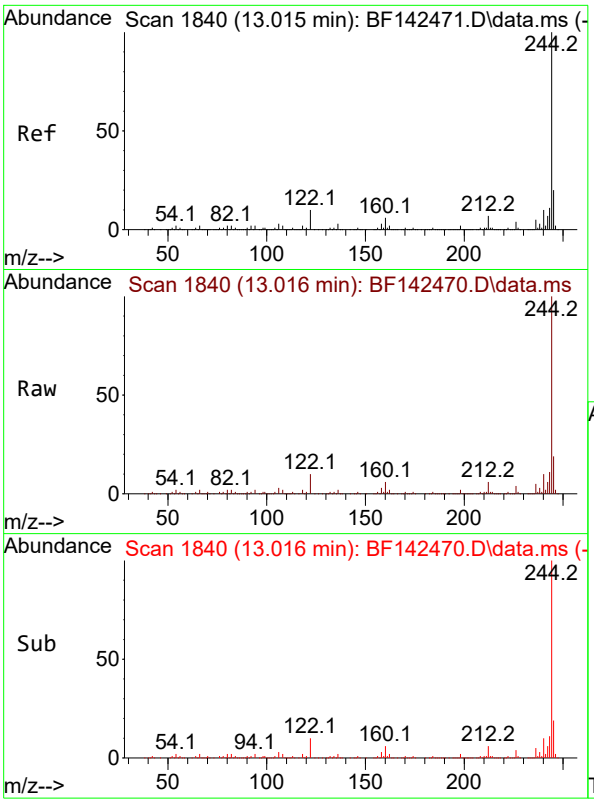


#78
Pyrene
Concen: 22.144 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:202 Resp: 370789

Ion	Ratio	Lower	Upper
202	100		
200	19.7	16.1	24.1
203	17.6	13.9	20.9



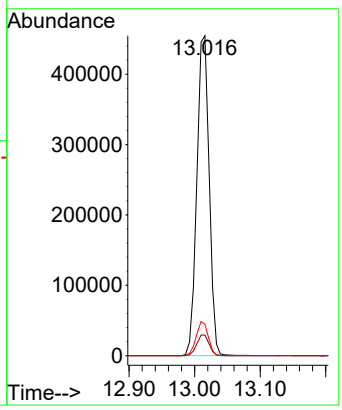


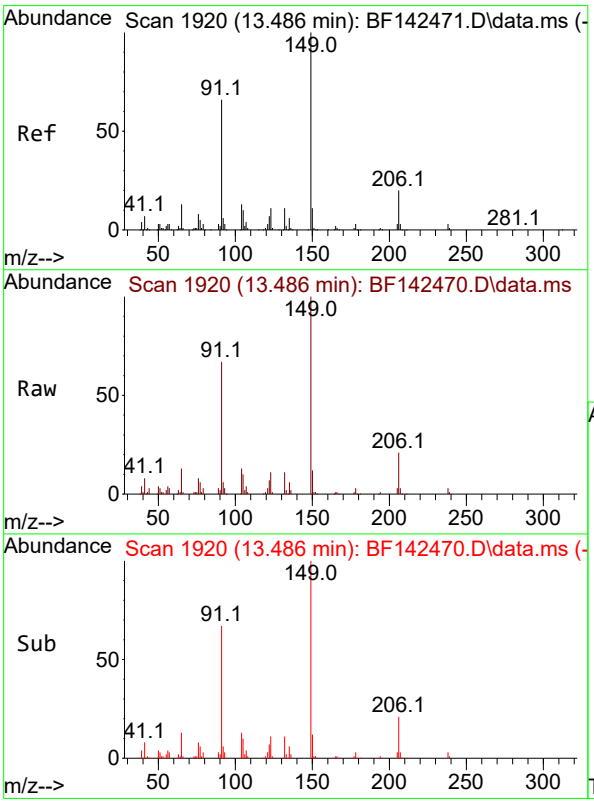
#79
Terphenyl-d14
Concen: 45.382 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 596097

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.3	7.9
122	9.8	8.2	12.2

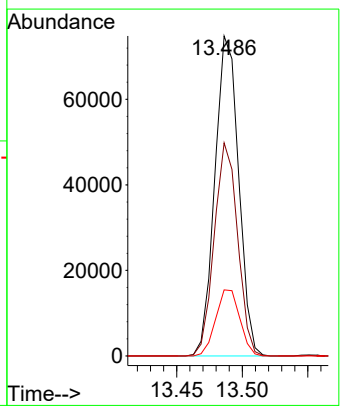


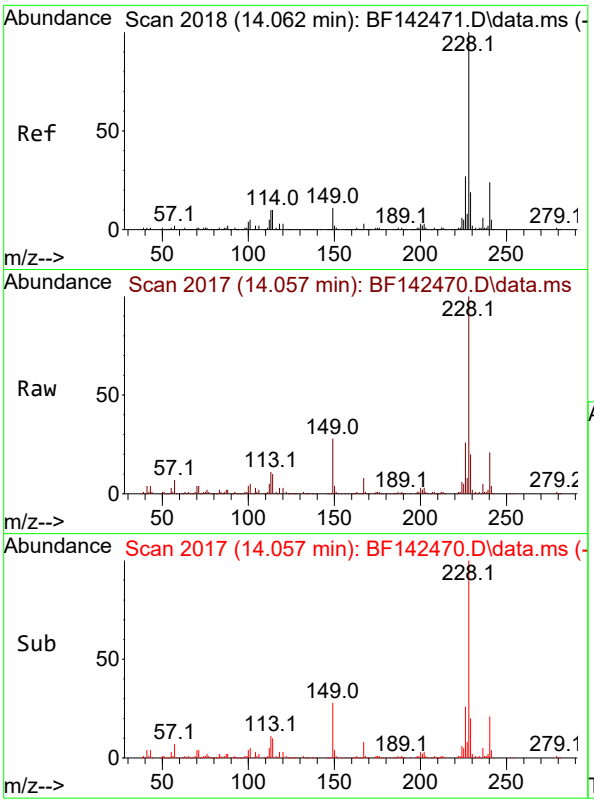


#80
Butylbenzylphthalate
Concen: 20.379 ng
RT: 13.486 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:149 Resp: 94290

Ion	Ratio	Lower	Upper
149	100		
91	66.6	52.9	79.3
206	20.7	16.2	24.2



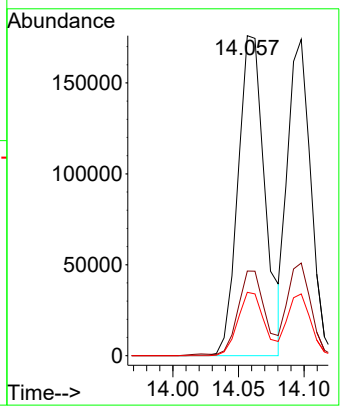


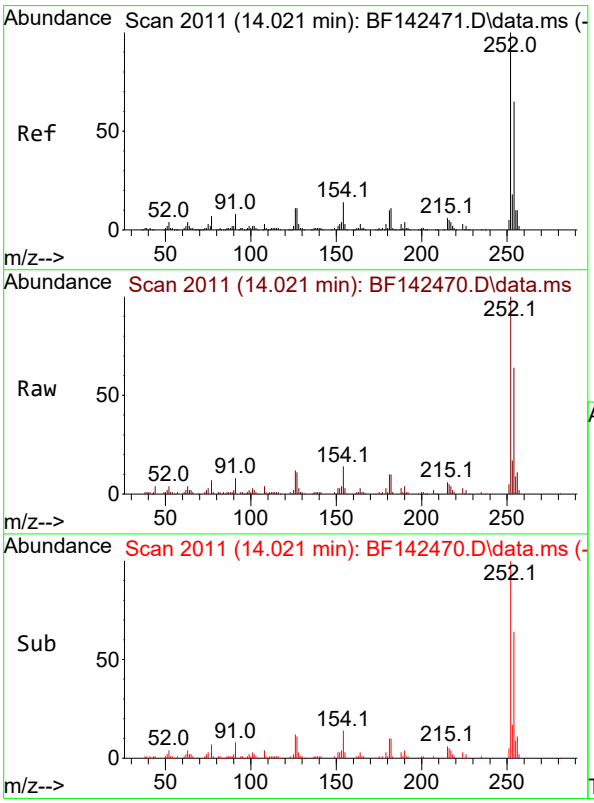
#81
Benzo(a)anthracene
Concen: 21.013 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 251858

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.2	31.8
229	19.8	15.5	23.3

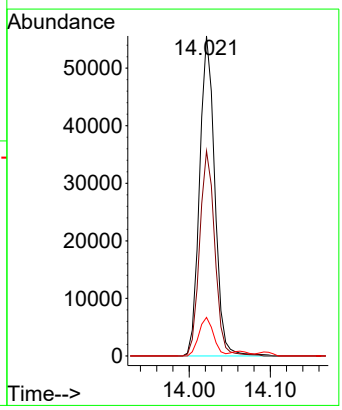


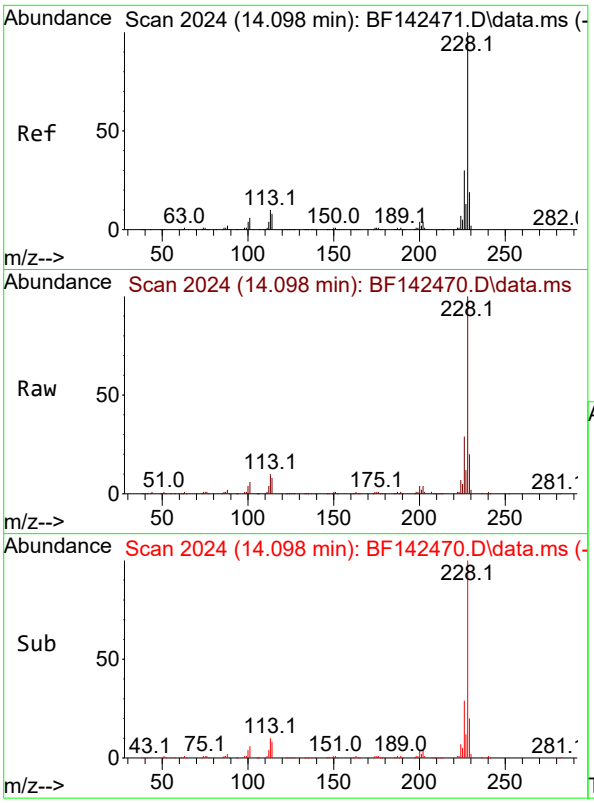


#82
3,3'-Dichlorobenzidine
Concen: 19.865 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:252 Resp: 72218

Ion	Ratio	Lower	Upper
252	100		
254	64.1	52.0	78.0
126	12.1	8.9	13.3



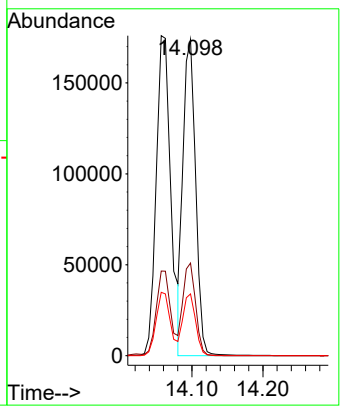


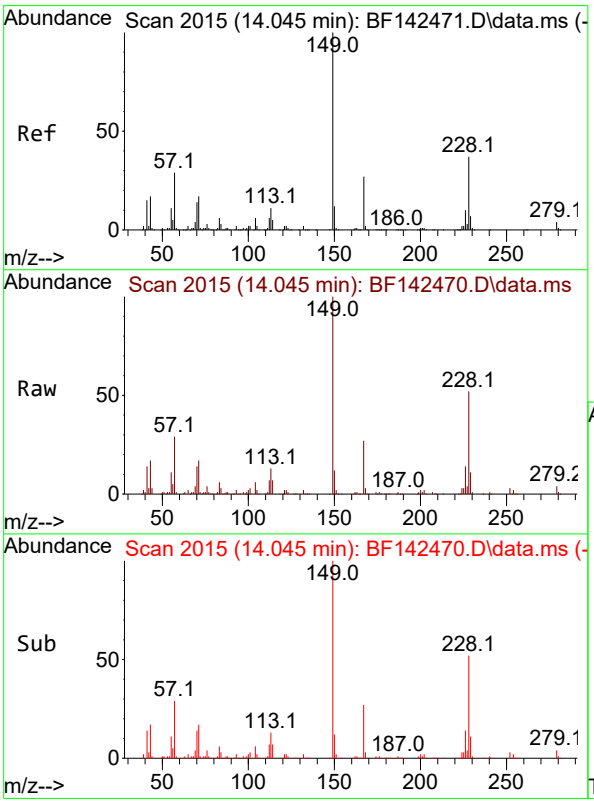
#83
Chrysene
Concen: 19.890 ng
RT: 14.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 214213

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.8	35.6
229	19.5	15.4	23.2

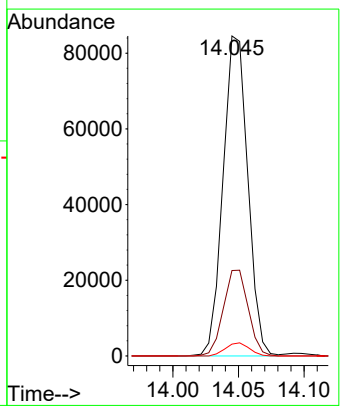


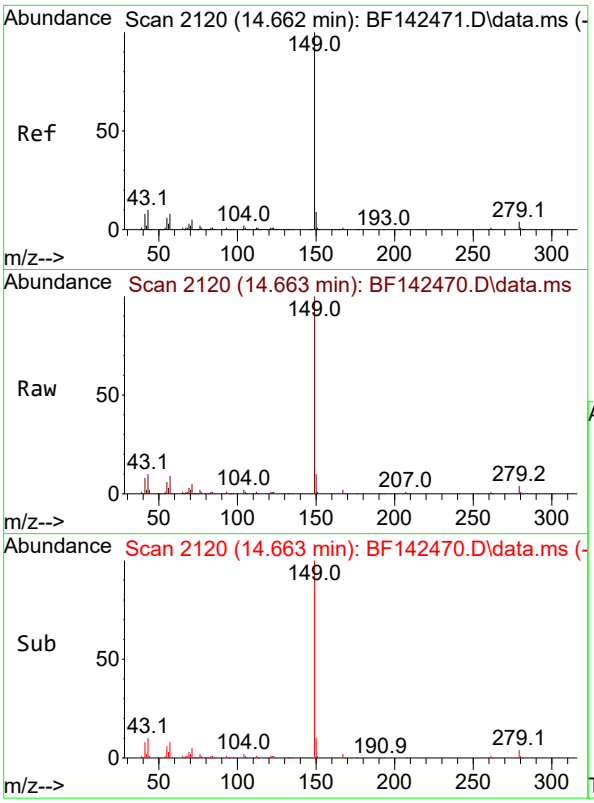


#84
Bis(2-ethylhexyl)phthalate
Concen: 18.743 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:149 Resp: 111015

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.5	32.3
279	3.7	3.2	4.8



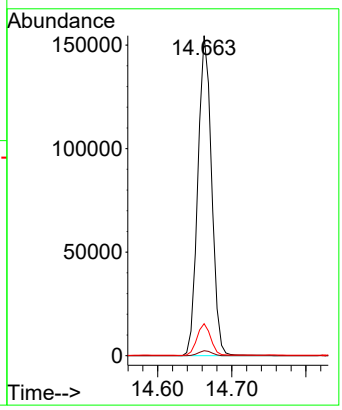


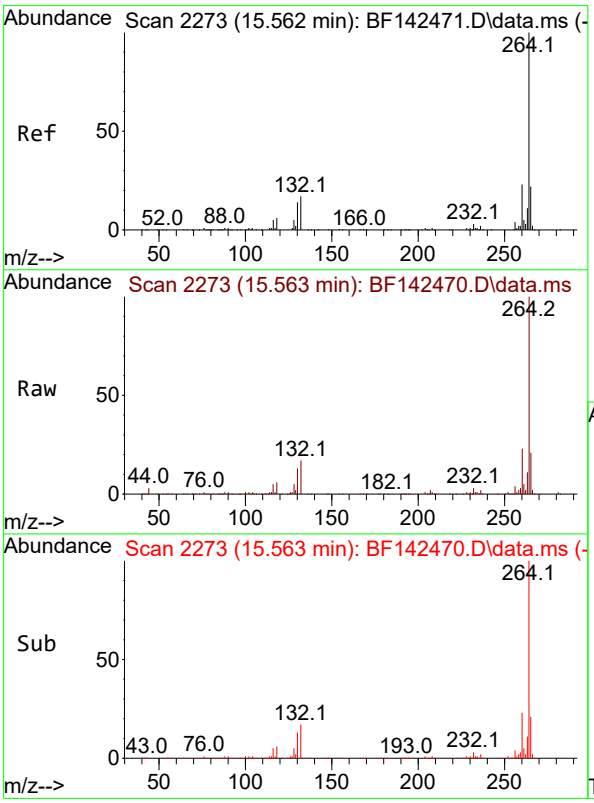
#85
Di-n-octyl phthalate
Concen: 17.166 ng
RT: 14.663 min Scan# 21
Delta R.T. -0.005 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 198800

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.9	7.9	11.9

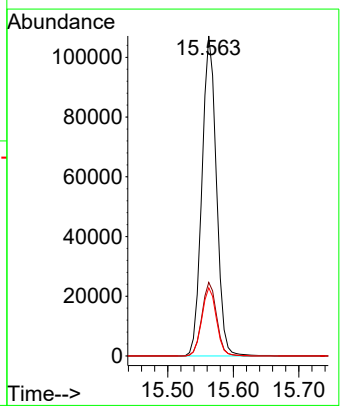


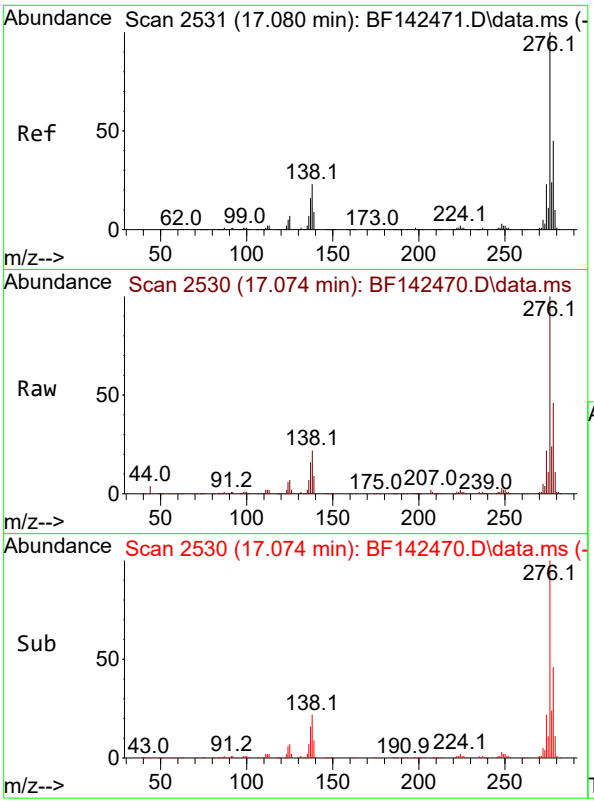


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:264 Resp: 165092

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	28.0
265	21.3	17.7	26.5



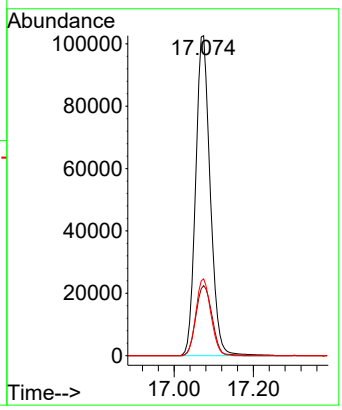


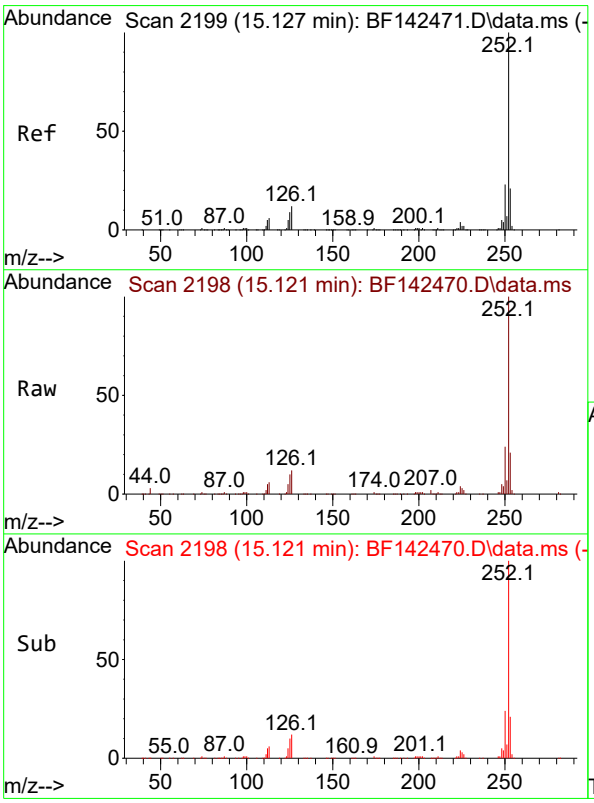
#87
Indeno(1,2,3-cd)pyrene
Concen: 21.080 ng
RT: 17.074 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 261271

Ion	Ratio	Lower	Upper
276	100		
138	24.3	19.9	29.9
277	24.7	20.2	30.2

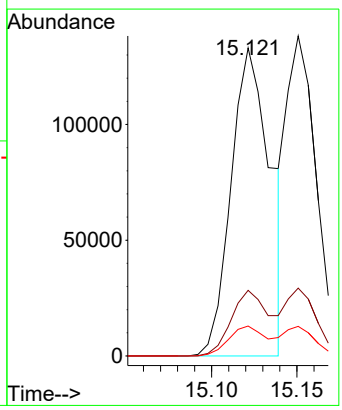


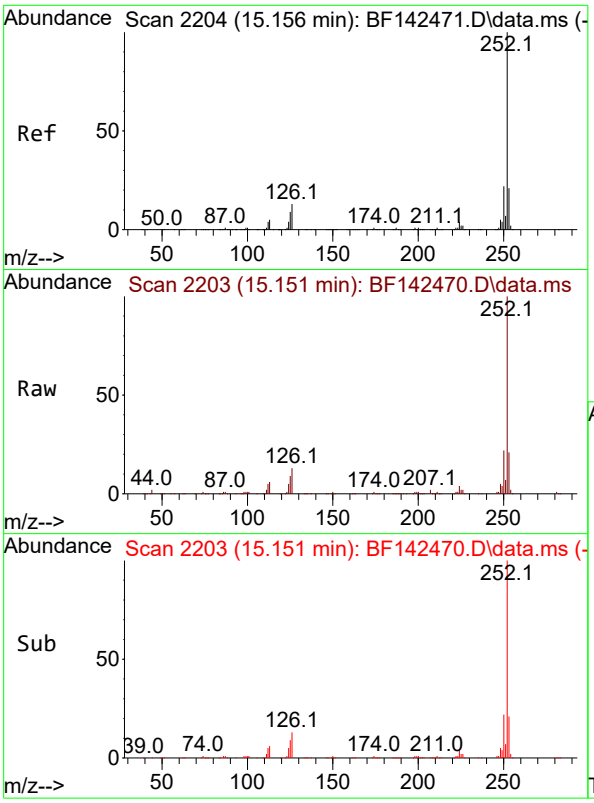


#88
Benzo(b)fluoranthene
Concen: 21.849 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:252 Resp: 213487

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.0	25.4
125	9.7	7.4	11.0



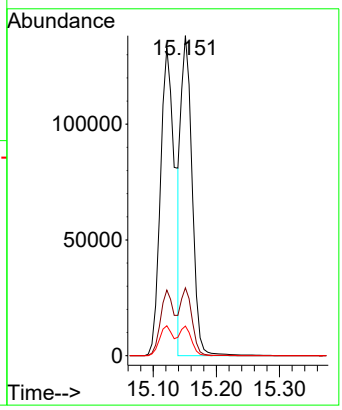


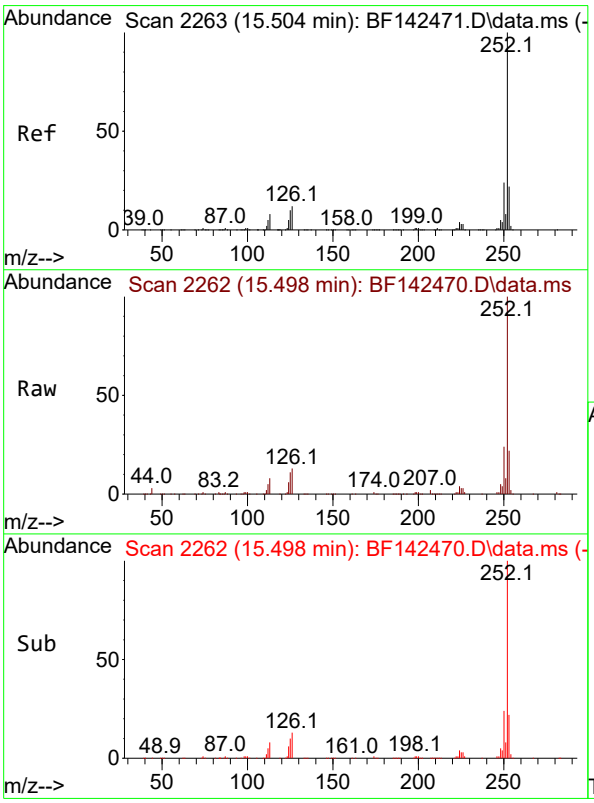
#89
Benzo(k)fluoranthene
Concen: 18.611 ng
RT: 15.151 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 170316

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.0	25.4
125	9.3	7.3	10.9

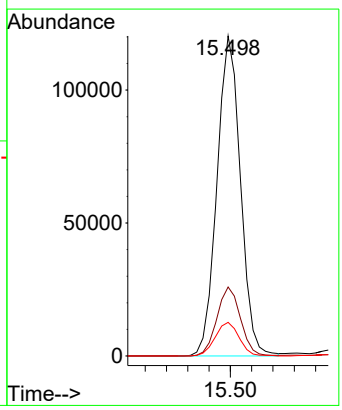


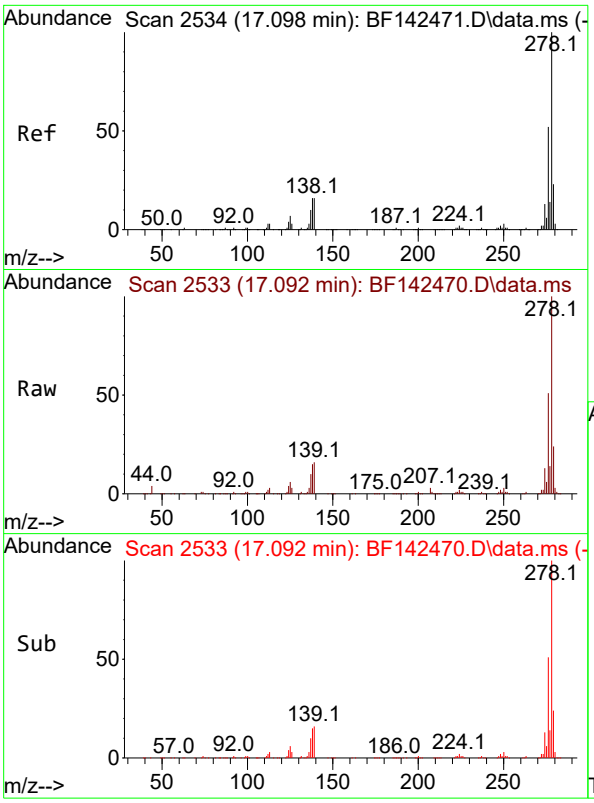


#90
Benzo(a)pyrene
Concen: 19.976 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:252 Resp: 183983

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.0
125	10.5	7.9	11.9



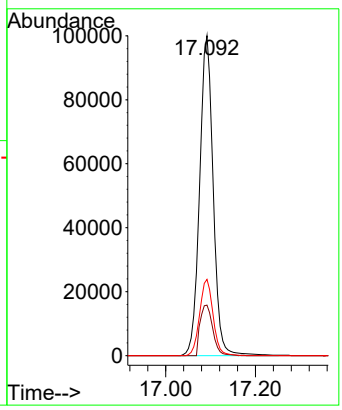


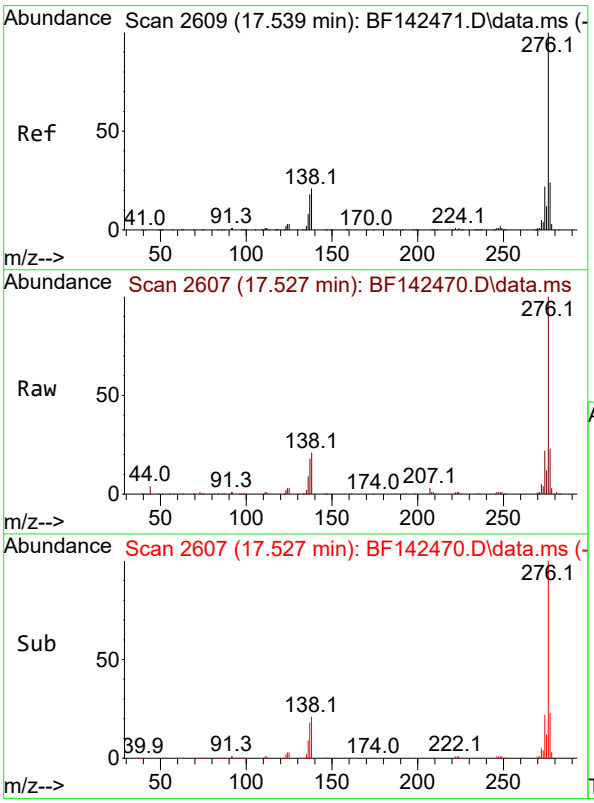
#91
Dibenzo(a,h)anthracene
Concen: 20.946 ng
RT: 17.092 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 210557

Ion	Ratio	Lower	Upper
278	100		
139	15.8	12.8	19.2
279	23.8	18.6	28.0

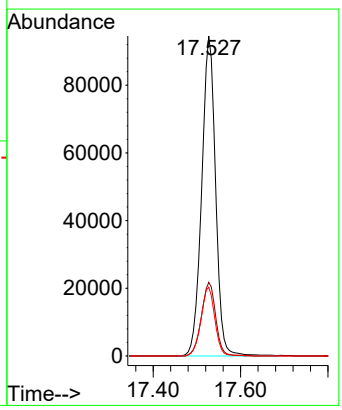




#92
Benzo(g,h,i)perylene
Concen: 20.859 ng
RT: 17.527 min Scan# 2607
Delta R.T. -0.029 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:276 Resp: 209719

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.2	28.8
138	21.5	16.8	25.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142471.D
Acq On : 20 May 2025 14:05
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: May 20 16:55:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	97580	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	377433	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	206343	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	343068	20.000	ng	0.00
76) Chrysene-d12	14.074	240	169022	20.000	ng	0.00
86) Perylene-d12	15.562	264	189289	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	439258	75.840	ng	0.00
7) Phenol-d6	6.522	99	533569	76.529	ng	-0.01
23) Nitrobenzene-d5	7.463	82	537832	77.702	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	174483	76.189	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1144883	74.452	ng	0.00
79) Terphenyl-d14	13.015	244	962300	77.802	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.669	88	89364	38.557	ng	100
3) Pyridine	3.440	79	228376	38.694	ng	100
4) n-Nitrosodimethylamine	3.387	42	120777	39.412	ng	100
6) Aniline	6.563	93	359784	38.378	ng	100
8) 2-Chlorophenol	6.686	128	244270	38.720	ng	100
9) Benzaldehyde	6.451	77	159492	38.033	ng	100
10) Phenol	6.539	94	298690	38.073	ng	100
11) bis(2-Chloroethyl)ether	6.634	93	216144	38.275	ng	100
12) 1,3-Dichlorobenzene	6.839	146	271118	38.514	ng	100
13) 1,4-Dichlorobenzene	6.916	146	274616	38.727	ng	100
14) 1,2-Dichlorobenzene	7.069	146	258896	38.156	ng	100
15) Benzyl Alcohol	7.039	79	199176	38.657	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.175	45	364537	38.439	ng	100
17) 2-Methylphenol	7.145	107	190501	38.677	ng	100
18) Hexachloroethane	7.416	117	95436	38.543	ng	100
19) n-Nitroso-di-n-propyla...	7.310	70	164556	38.083	ng	100
20) 3+4-Methylphenols	7.304	107	243075	38.538	ng	100
22) Acetophenone	7.310	105	323676	38.740	ng	100
24) Nitrobenzene	7.486	77	243446	38.996	ng	100
25) Isophorone	7.722	82	447323	38.653	ng	100
26) 2-Nitrophenol	7.798	139	132248	39.646	ng	100
27) 2,4-Dimethylphenol	7.833	122	228588	38.858	ng	100
28) bis(2-Chloroethoxy)met...	7.933	93	274724	38.002	ng	100
29) 2,4-Dichlorophenol	8.039	162	208444	38.963	ng	100
30) 1,2,4-Trichlorobenzene	8.128	180	222613	38.342	ng	100
31) Naphthalene	8.210	128	710368	38.223	ng	100
32) Benzoic acid	7.939	122	142061	39.672	ng	100
33) 4-Chloroaniline	8.251	127	293373	38.957	ng	100
34) Hexachlorobutadiene	8.322	225	141200	38.949	ng	100
35) Caprolactam	8.622	113	59309	39.473	ng	100
36) 4-Chloro-3-methylphenol	8.728	107	212728	38.800	ng	100
37) 2-Methylnaphthalene	8.898	142	445368	38.092	ng	100
38) 1-Methylnaphthalene	8.998	142	464365	38.397	ng	100
40) 1,2,4,5-Tetrachloroben...	9.063	216	227685	38.439	ng	100
41) Hexachlorocyclopentadiene	9.051	237	162314	40.622	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	153308	38.383	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142471.D
Acq On : 20 May 2025 14:05
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: May 20 16:55:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	162880	38.667	ng	100
46) 1,1'-Biphenyl	9.363	154	610663	38.146	ng	100
47) 2-Chloronaphthalene	9.386	162	451638	38.185	ng	100
48) 2-Nitroaniline	9.480	65	133679	39.102	ng	100
49) Acenaphthylene	9.804	152	763730	38.240	ng	100
50) Dimethylphthalate	9.663	163	518078	38.051	ng	100
51) 2,6-Dinitrotoluene	9.722	165	115691	39.370	ng	100
52) Acenaphthene	9.974	154	462249	37.904	ng	100
53) 3-Nitroaniline	9.892	138	123293	38.413	ng	100
54) 2,4-Dinitrophenol	9.998	184	61452	40.477	ng	100
55) Dibenzofuran	10.145	168	662626	37.758	ng	100
56) 4-Nitrophenol	10.045	139	93606	39.526	ng	100
57) 2,4-Dinitrotoluene	10.127	165	150036	39.095	ng	100
58) Fluorene	10.492	166	507836	37.457	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.263	232	137225	39.022	ng	100
60) Diethylphthalate	10.363	149	508183	38.217	ng	100
61) 4-Chlorophenyl-phenyle...	10.480	204	251129	37.706	ng	100
62) 4-Nitroaniline	10.504	138	114265	39.253	ng	100
63) Azobenzene	10.645	77	456781	38.246	ng	100
65) 4,6-Dinitro-2-methylph...	10.533	198	79121	41.326	ng	100
66) n-Nitrosodiphenylamine	10.598	169	445033	37.917	ng	100
67) 4-Bromophenyl-phenylether	10.974	248	152348	37.556	ng	100
68) Hexachlorobenzene	11.039	284	171918	38.318	ng	100
69) Atrazine	11.127	200	121790	39.072	ng	100
70) Pentachlorophenol	11.233	266	100877	39.824	ng	100
71) Phenanthrene	11.457	178	694045	37.855	ng	100
72) Anthracene	11.504	178	711162	38.007	ng	100
73) Carbazole	11.657	167	610097	38.140	ng	100
74) Di-n-butylphthalate	11.986	149	669345	38.227	ng	100
75) Fluoranthene	12.645	202	643610	37.569	ng	100
77) Benzidine	12.763	184	269307	42.816	ng	100
78) Pyrene	12.874	202	628371	39.853	ng	100
80) Butylbenzylphthalate	13.486	149	177841	40.819	ng	100
81) Benzo(a)anthracene	14.062	228	431998	38.276	ng	100
82) 3,3'-Dichlorobenzidine	14.021	252	137438	40.148	ng	100
83) Chrysene	14.098	228	387081	38.168	ng	100
84) Bis(2-ethylhexyl)phtha...	14.045	149	227555	40.800	ng	100
85) Di-n-octyl phthalate	14.662	149	427995	39.246	ng	100
87) Indeno(1,2,3-cd)pyrene	17.080	276	548309	38.584	ng	100
88) Benzo(b)fluoranthene	15.127	252	426174	38.041	ng	100
89) Benzo(k)fluoranthene	15.156	252	394567	37.603	ng	100
90) Benzo(a)pyrene	15.504	252	409312	38.761	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	448372	38.903	ng	100
92) Benzo(g,h,i)perylene	17.539	276	446674	38.747	ng	100

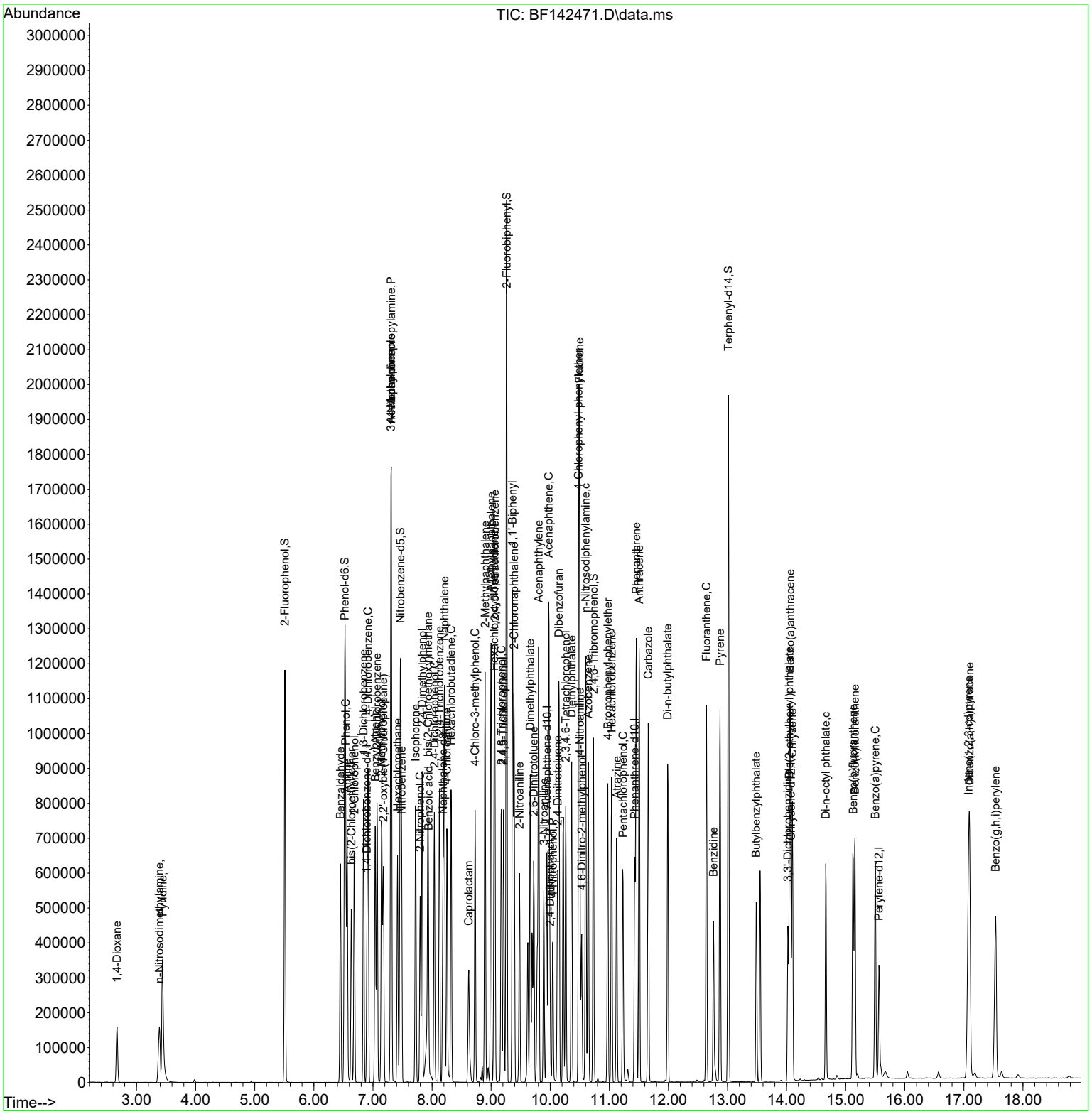
(#) = qualifier out of range (m) = manual integration (+) = signals summed

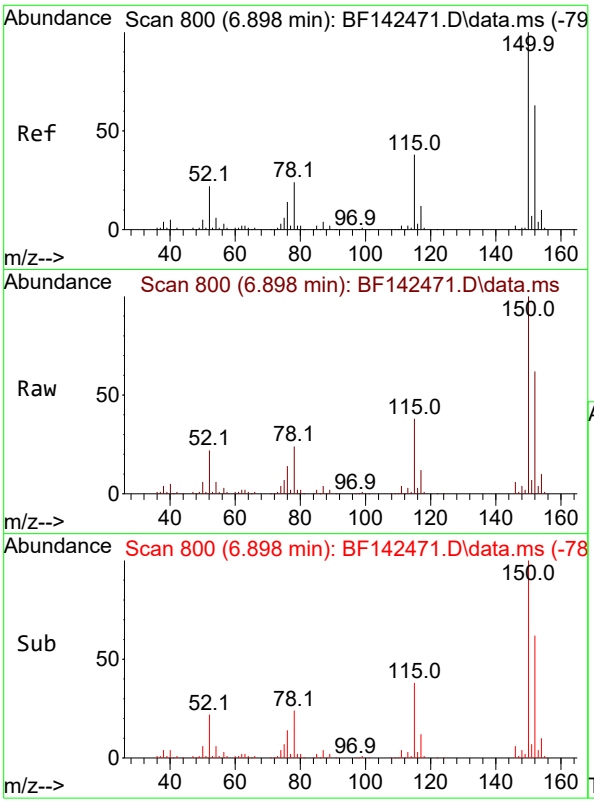
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142471.D
Acq On : 20 May 2025 14:05
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: May 20 16:55:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



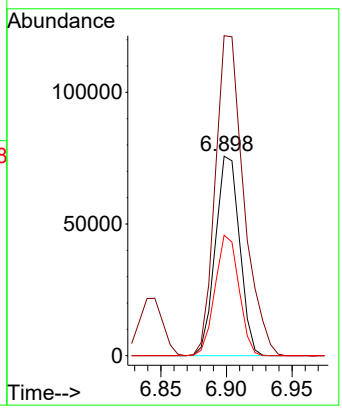


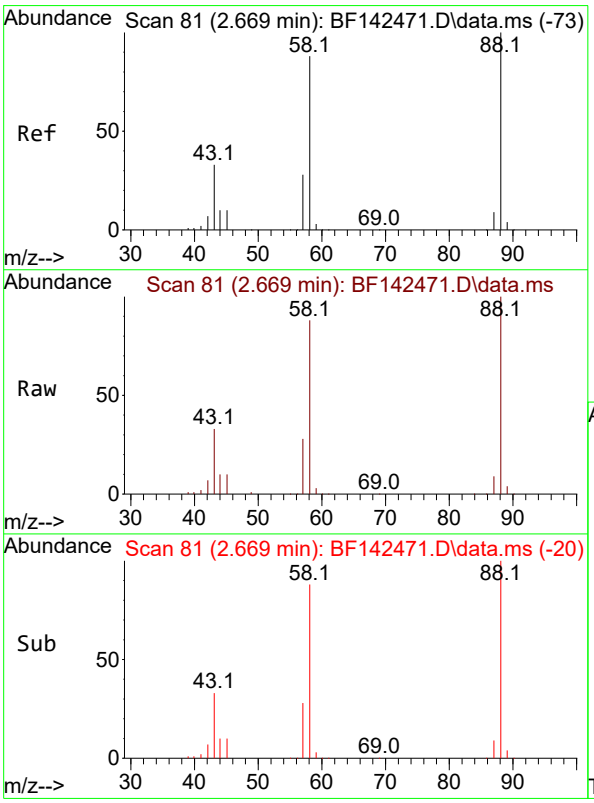
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 97580

Ion	Ratio	Lower	Upper
152	100		
150	160.3	128.2	192.4
115	60.4	48.3	72.5

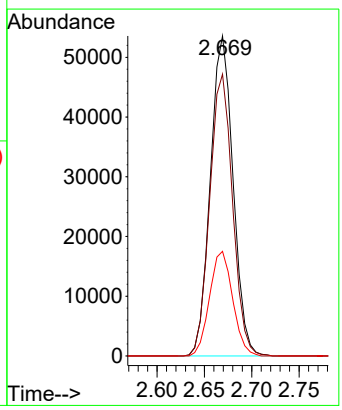


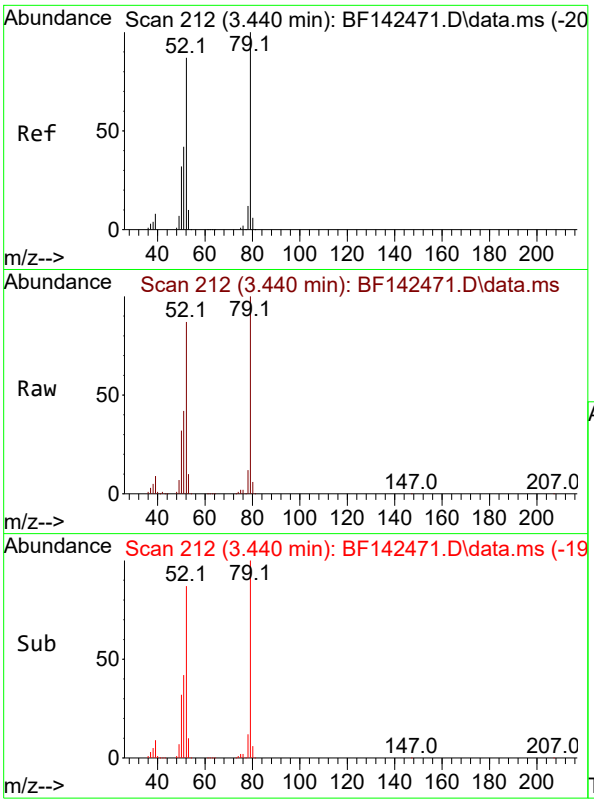


#2
1,4-Dioxane
Concen: 38.557 ng
RT: 2.669 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion: 88 Resp: 89364

Ion	Ratio	Lower	Upper
88	100		
58	88.5	70.8	106.2
43	33.3	26.6	40.0



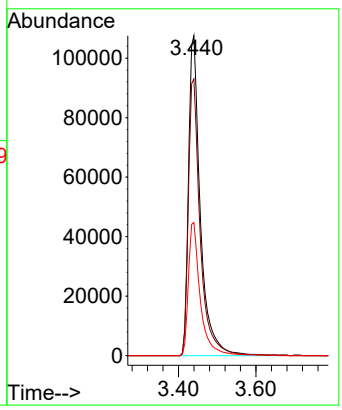


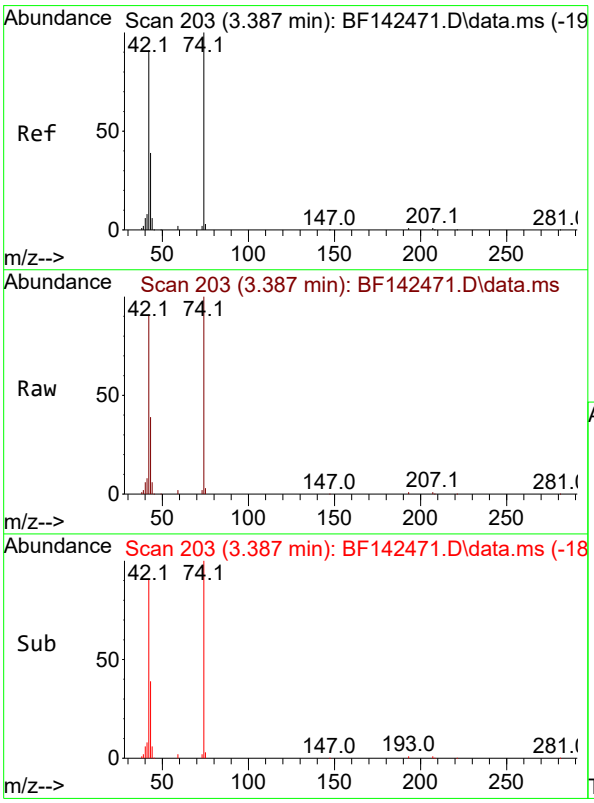
#3
Pyridine
Concen: 38.694 ng
RT: 3.440 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 228376

Ion	Ratio	Lower	Upper
79	100		
52	86.5	69.2	103.8
51	41.6	33.3	49.9

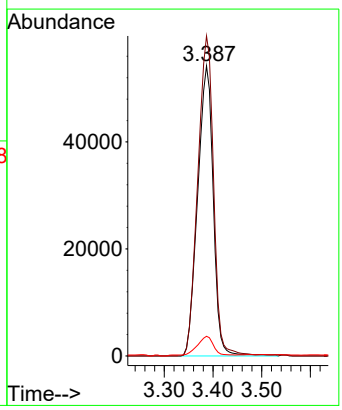


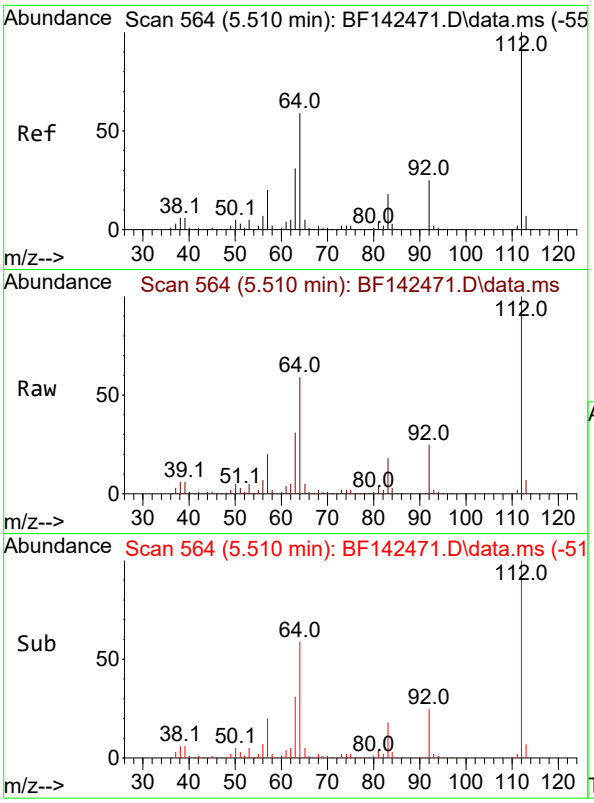


#4
n-Nitrosodimethylamine
Concen: 39.412 ng
RT: 3.387 min Scan# 203
Delta R.T. -0.018 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion: 42 Resp: 120777

Ion	Ratio	Lower	Upper
42	100		
74	110.3	88.2	132.4
44	6.8	5.4	8.2



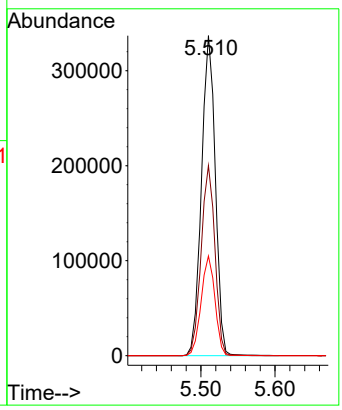


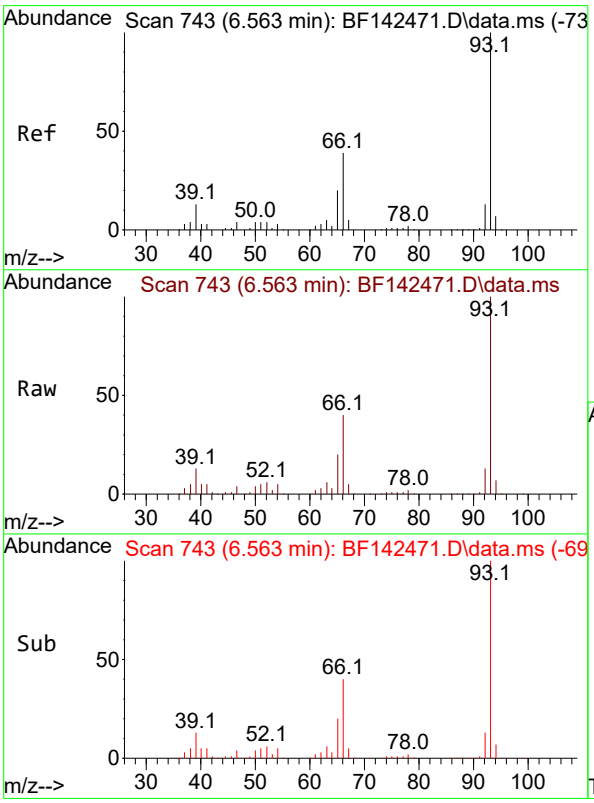
#5
2-Fluorophenol
Concen: 75.840 ng
RT: 5.510 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 439258

Ion	Ratio	Lower	Upper
112	100		
64	59.4	47.5	71.3
63	31.1	24.9	37.3

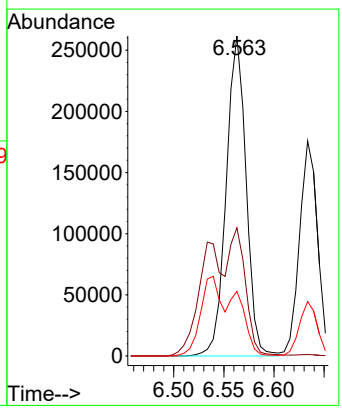


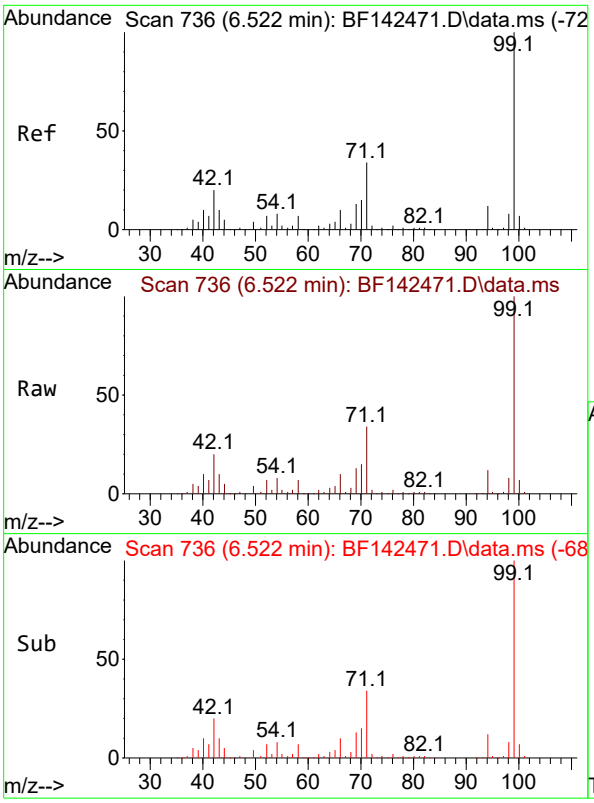


#6
Aniline
Concen: 38.378 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion: 93 Resp: 359784

Ion	Ratio	Lower	Upper
93	100		
66	40.0	32.0	48.0
65	20.1	16.1	24.1



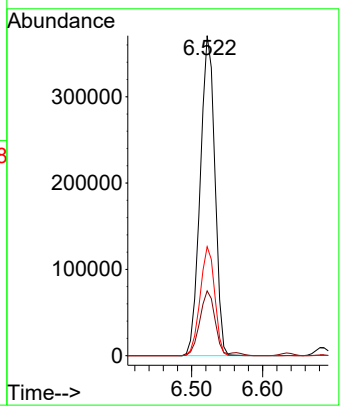


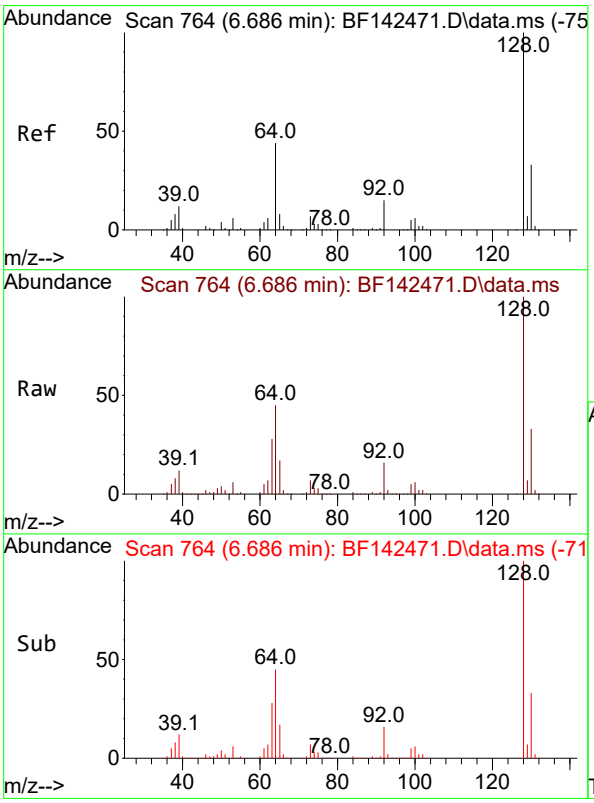
#7
Phenol-d6
Concen: 76.529 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 533569

Ion	Ratio	Lower	Upper
99	100		
42	20.2	16.2	24.2
71	34.1	27.3	40.9

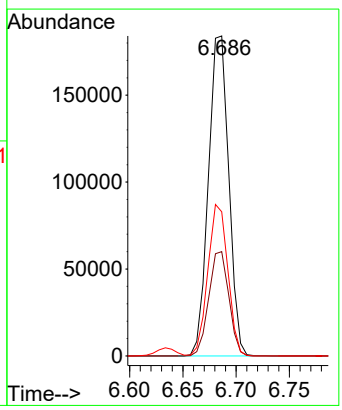


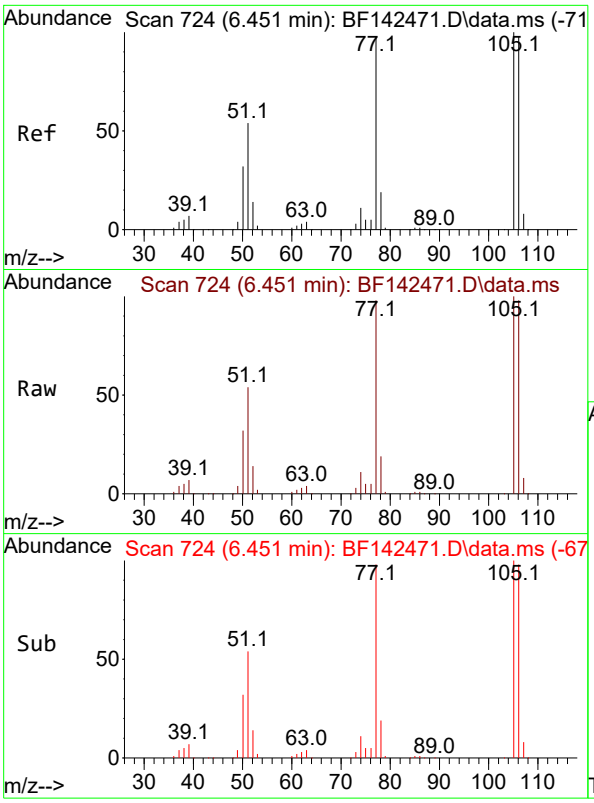


#8
2-Chlorophenol
Concen: 38.720 ng
RT: 6.686 min Scan# 764
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:128 Resp: 244270

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	45.1	25.1	65.1



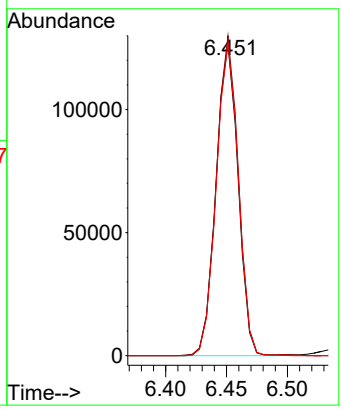


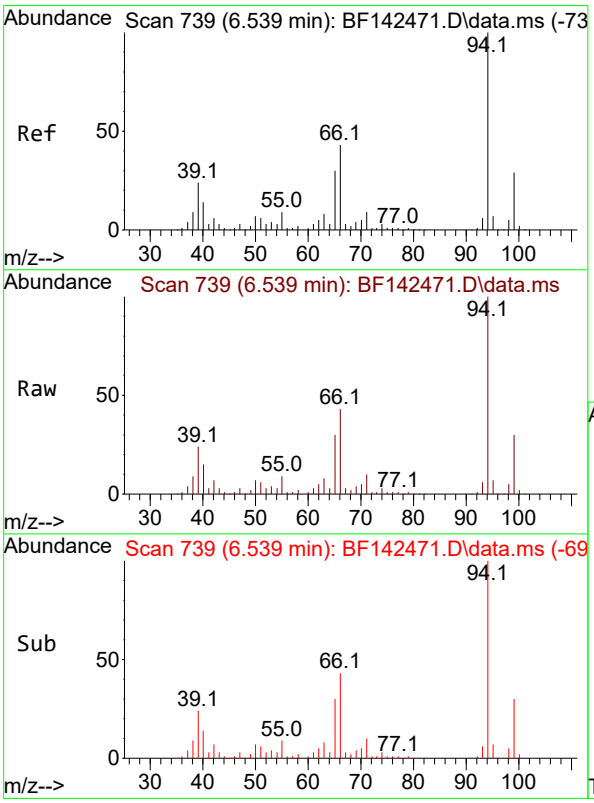
#9
Benzaldehyde
Concen: 38.033 ng
RT: 6.451 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 159492

Ion	Ratio	Lower	Upper
77	100		
105	102.5	82.5	122.5
106	100.0	80.0	120.0

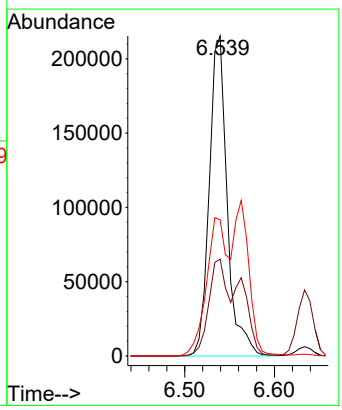


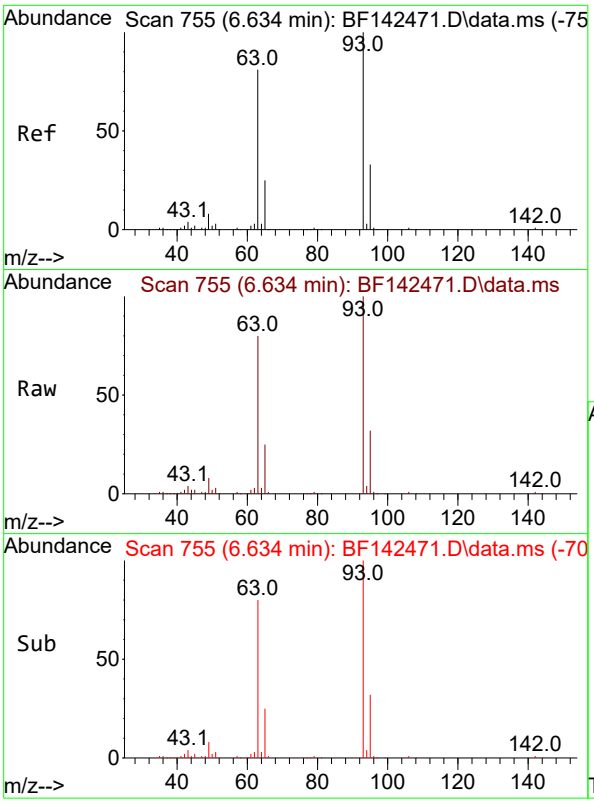


#10
Phenol
Concen: 38.073 ng
RT: 6.539 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion: 94 Resp: 298690

Ion	Ratio	Lower	Upper
94	100		
65	30.3	10.3	50.3
66	42.6	22.6	62.6



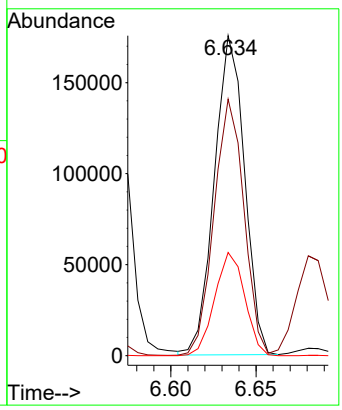


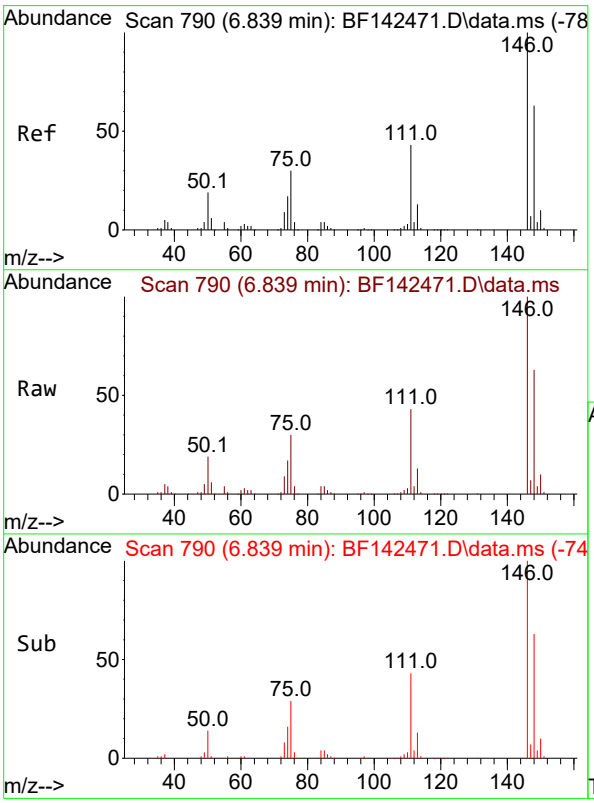
#11
bis(2-Chloroethyl)ether
Concen: 38.275 ng
RT: 6.634 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 216144

Ion	Ratio	Lower	Upper
93	100		
63	80.2	60.2	100.2
95	32.3	12.3	52.3

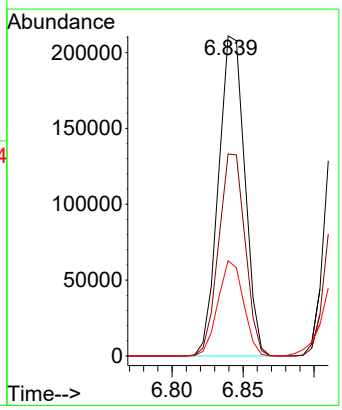


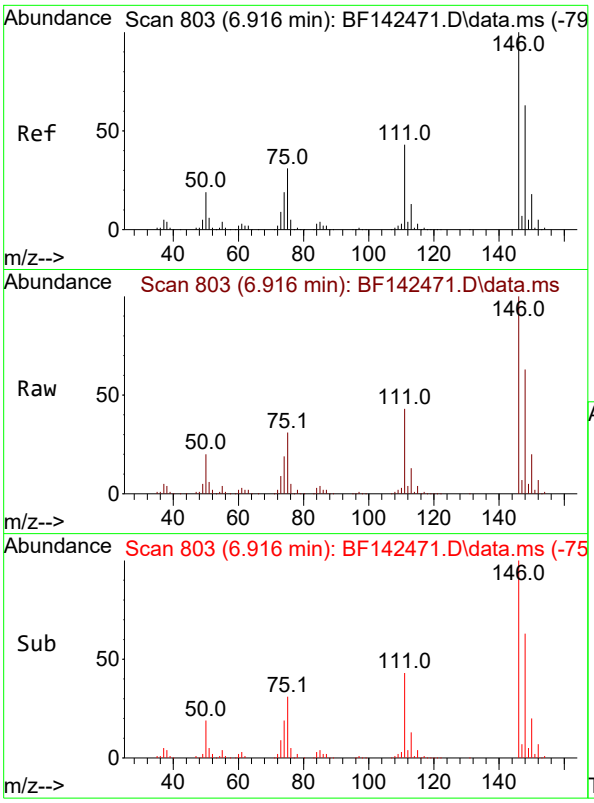


#12
1,3-Dichlorobenzene
Concen: 38.514 ng
RT: 6.839 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:146 Resp: 271118

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.6	75.8
75	29.7	23.8	35.6



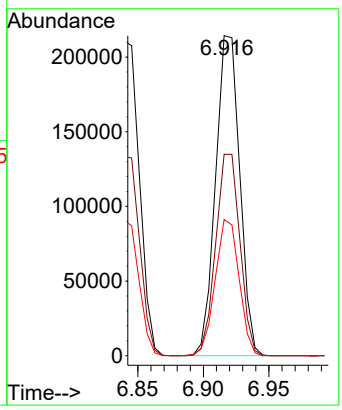


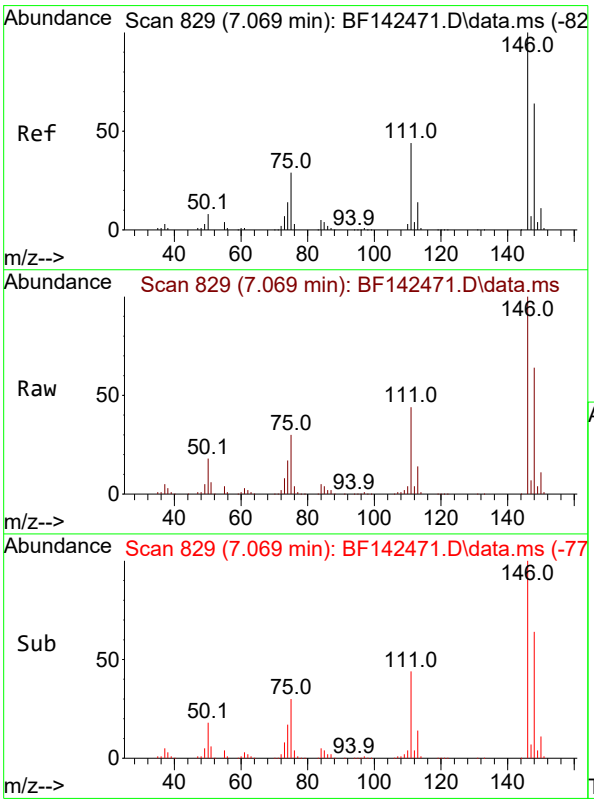
#13
1,4-Dichlorobenzene
Concen: 38.727 ng
RT: 6.916 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 274616

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.4	75.6
111	42.6	34.1	51.1

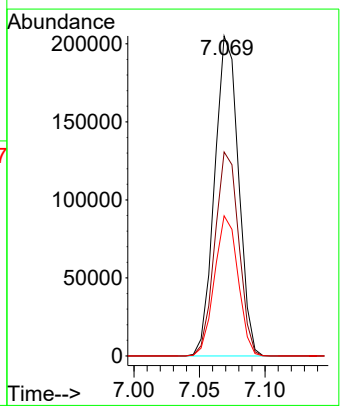


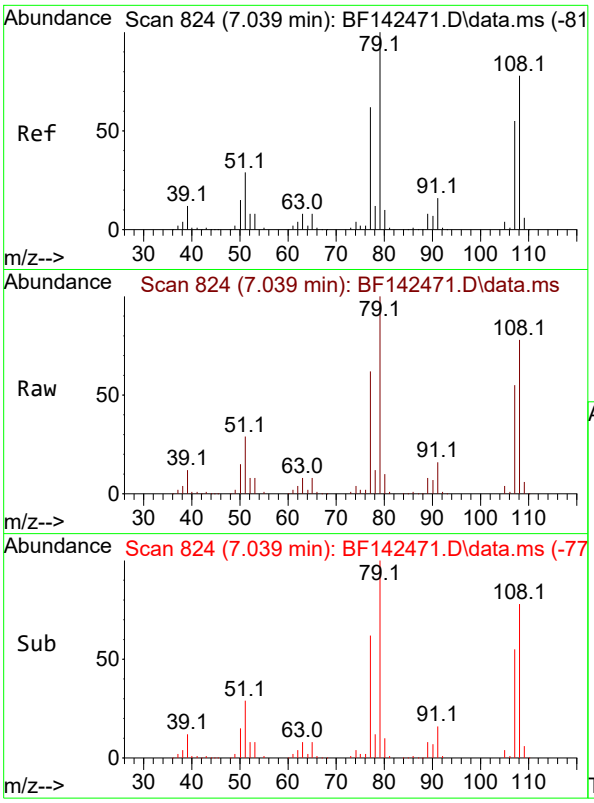


#14
1,2-Dichlorobenzene
Concen: 38.156 ng
RT: 7.069 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:146 Resp: 258896

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
111	43.8	35.0	52.6



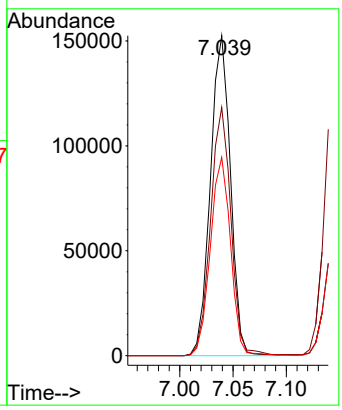


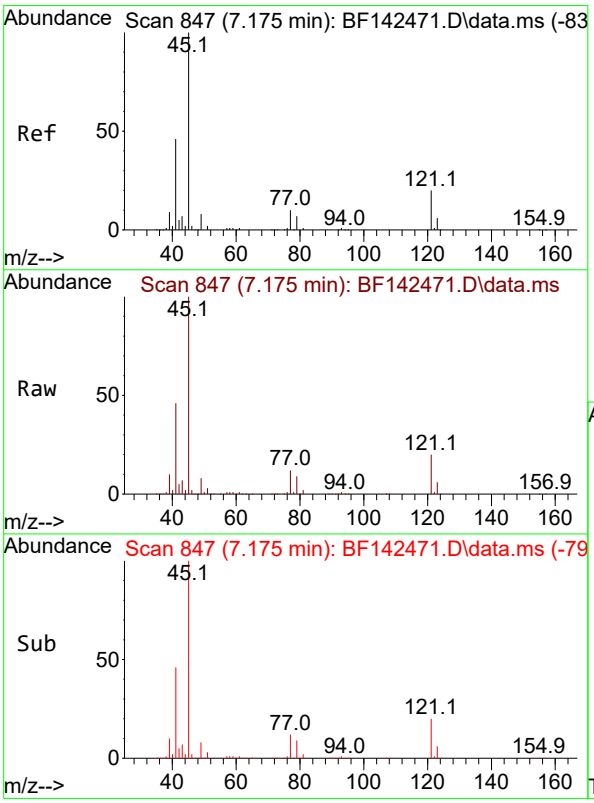
#15
Benzyl Alcohol
Concen: 38.657 ng
RT: 7.039 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 199176

Ion	Ratio	Lower	Upper
79	100		
108	77.6	62.1	93.1
77	61.9	49.5	74.3

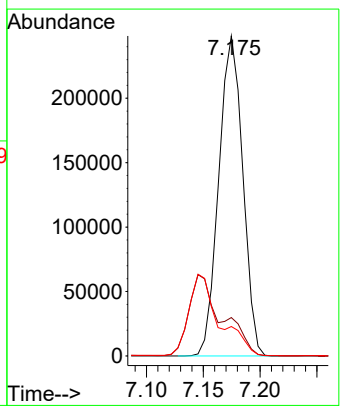


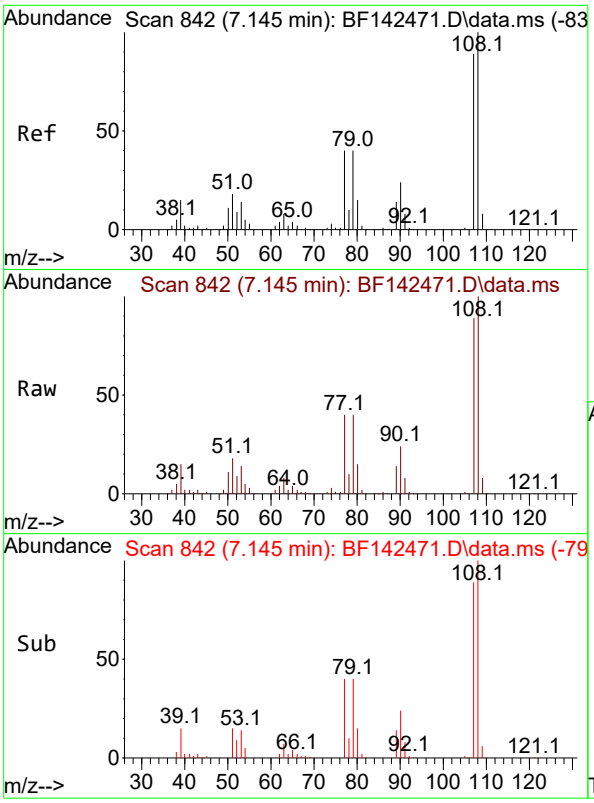


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.439 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion: 45 Resp: 364537

Ion	Ratio	Lower	Upper
45	100		
77	12.0	0.0	32.0
79	9.2	0.0	29.2



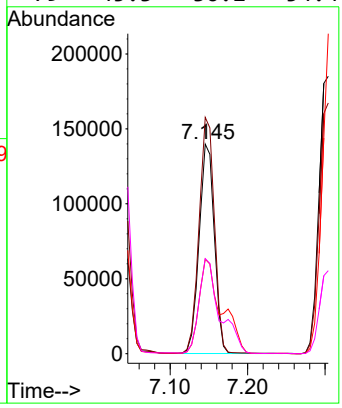


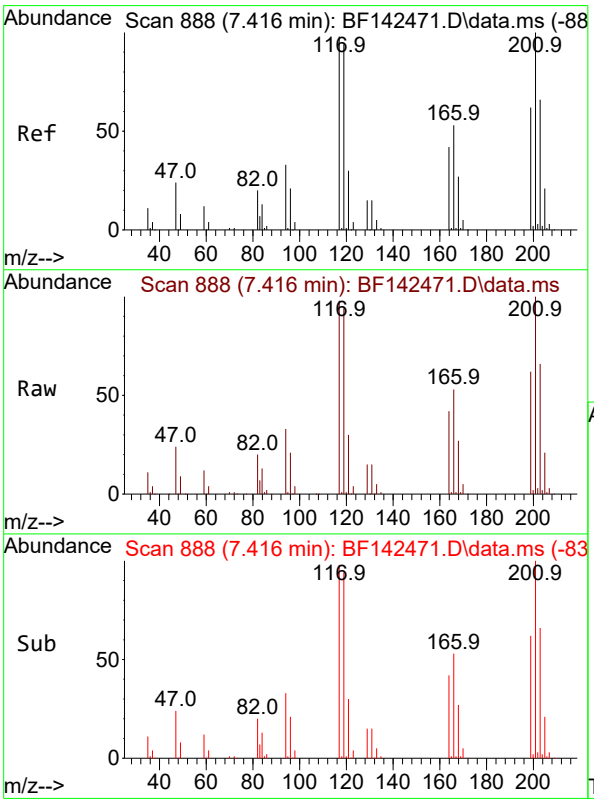
#17
2-Methylphenol
Concen: 38.677 ng
RT: 7.145 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 190501

Ion	Ratio	Lower	Upper
107	100		
108	112.7	90.2	135.2
77	45.1	36.1	54.1
79	45.3	36.2	54.4

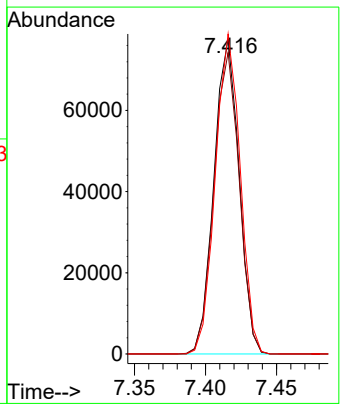


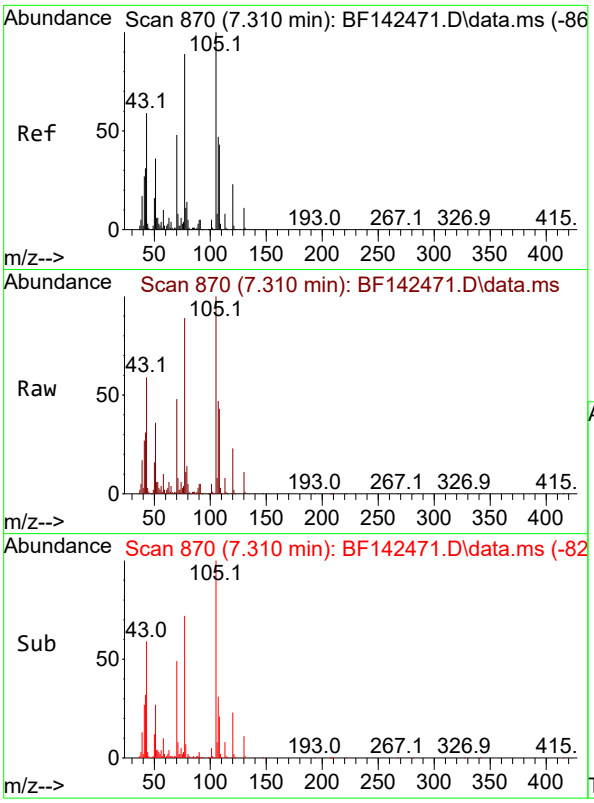


#18
Hexachloroethane
Concen: 38.543 ng
RT: 7.416 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:117 Resp: 95436

Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.6	114.8
201	101.6	81.3	121.9



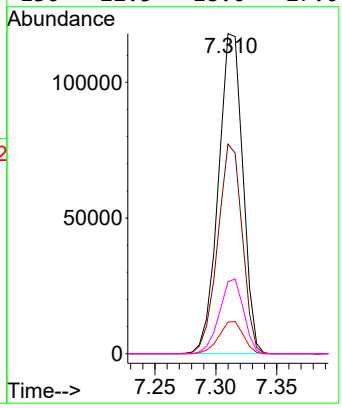


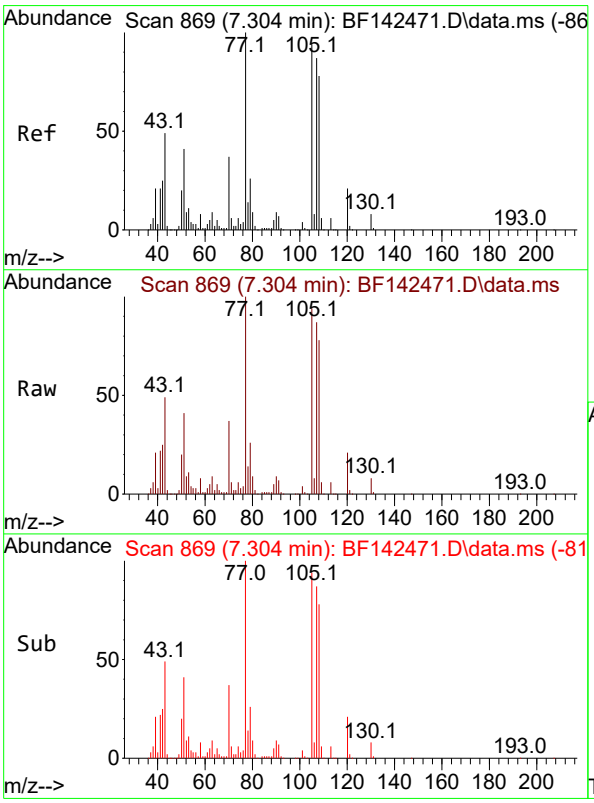
#19
n-Nitroso-di-n-propylamine
Concen: 38.083 ng
RT: 7.310 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 164556

Ion	Ratio	Lower	Upper
70	100		
42	65.5	52.4	78.6
101	9.8	7.8	11.8
130	22.5	18.0	27.0

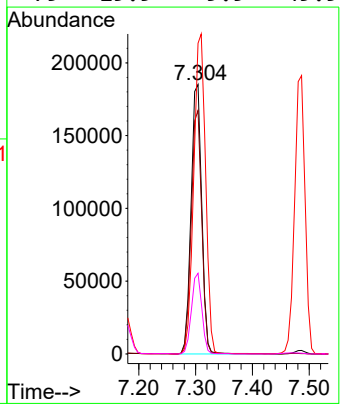


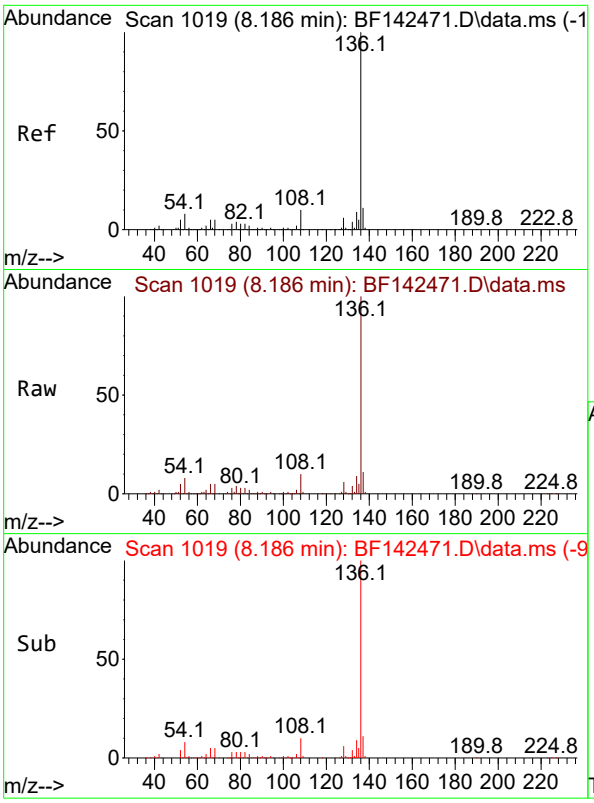


#20
3+4-Methylphenols
Concen: 38.538 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:107 Resp: 243075

Ion	Ratio	Lower	Upper
107	100		
108	90.4	70.4	110.4
77	115.4	95.4	135.4
79	29.9	9.9	49.9



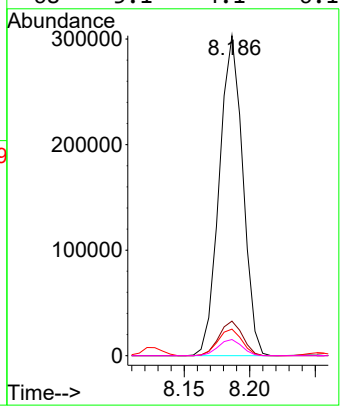


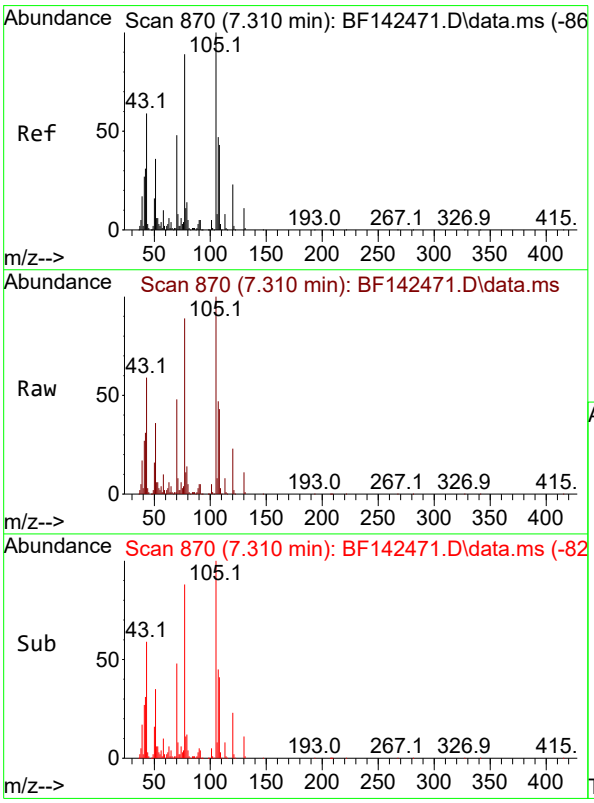
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 377433

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.3	6.6	10.0
68	5.1	4.1	6.1

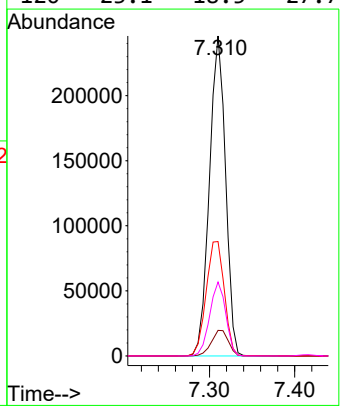


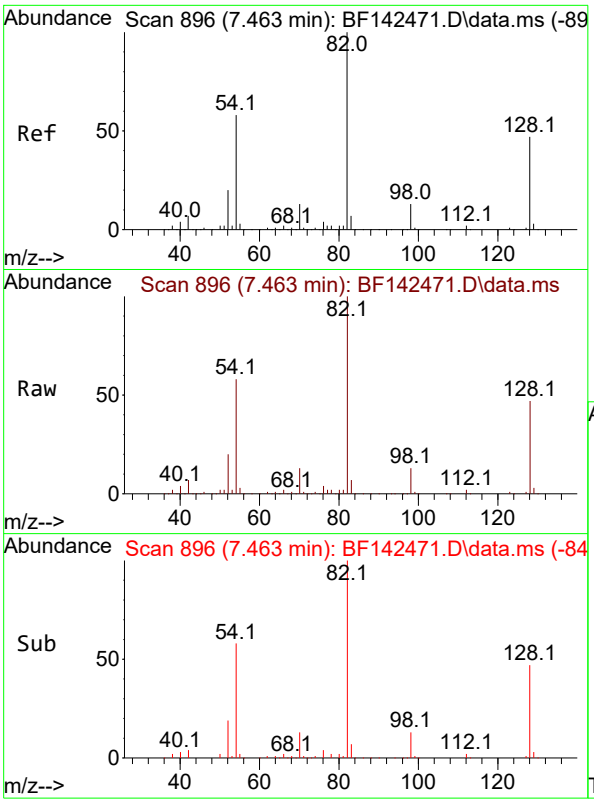


#22
Acetophenone
Concen: 38.740 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:105 Resp: 323676

Ion	Ratio	Lower	Upper
105	100		
71	8.0	6.4	9.6
51	35.7	28.6	42.8
120	23.1	18.5	27.7



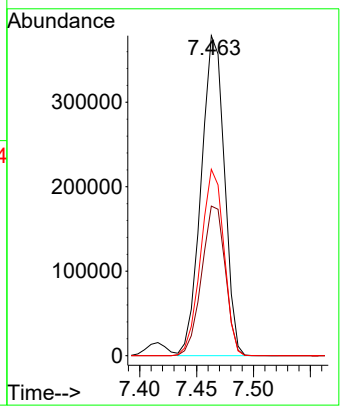


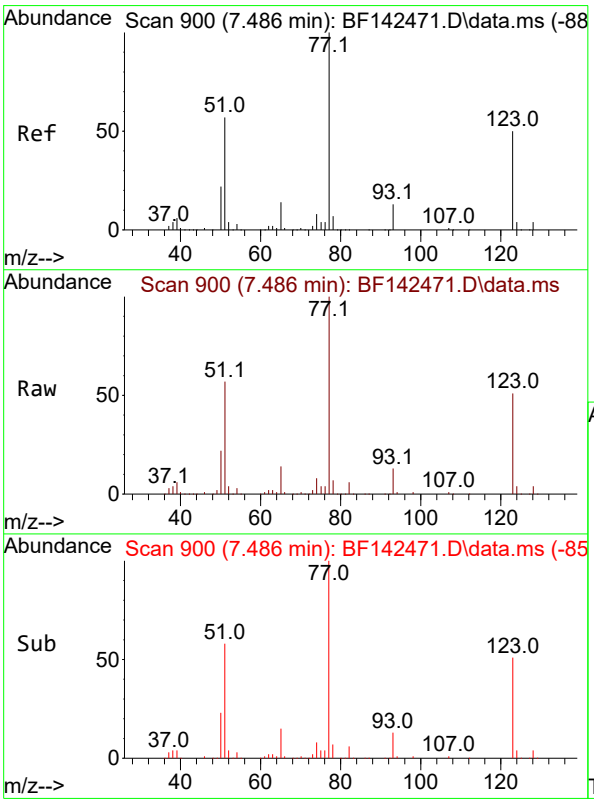
#23
Nitrobenzene-d5
Concen: 77.702 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 537832

Ion	Ratio	Lower	Upper
82	100		
128	46.8	37.4	56.2
54	58.3	46.6	70.0

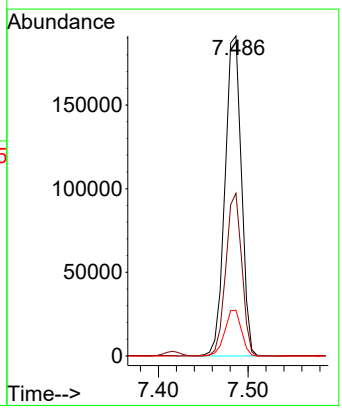


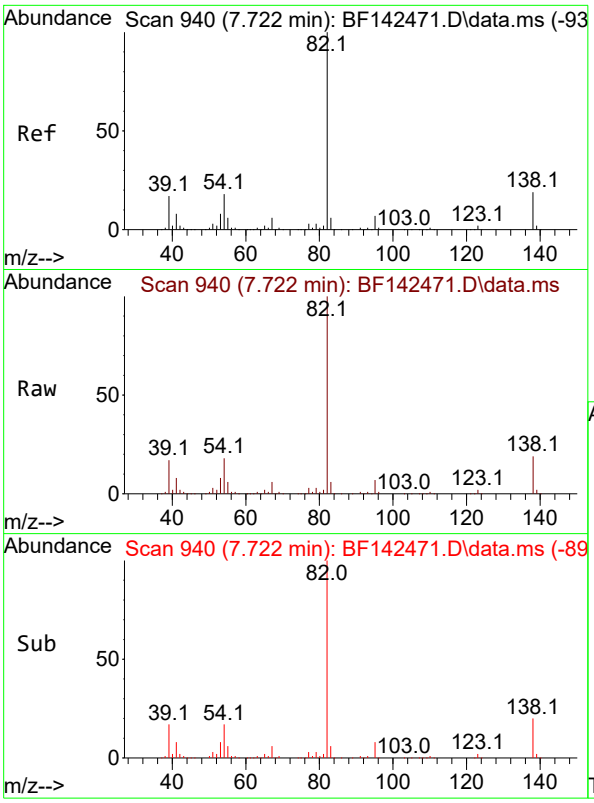


#24
Nitrobenzene
Concen: 38.996 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion: 77 Resp: 243446

Ion	Ratio	Lower	Upper
77	100		
123	50.8	40.6	61.0
65	14.3	11.4	17.2



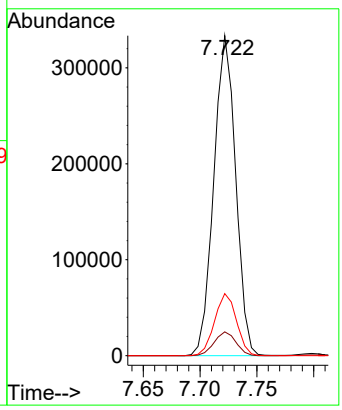


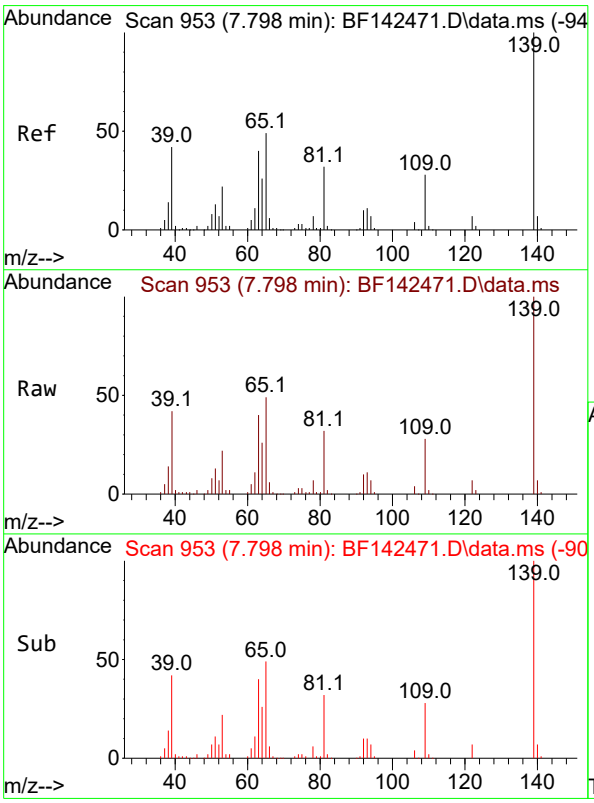
#25
Isophorone
Concen: 38.653 ng
RT: 7.722 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 447323

Ion	Ratio	Lower	Upper
82	100		
95	7.5	6.0	9.0
138	19.4	15.5	23.3

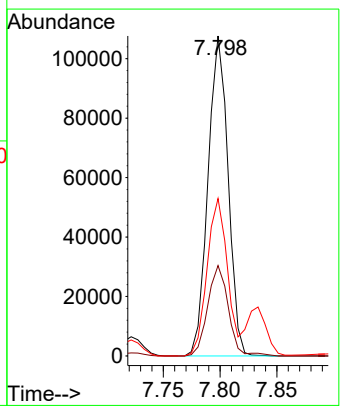


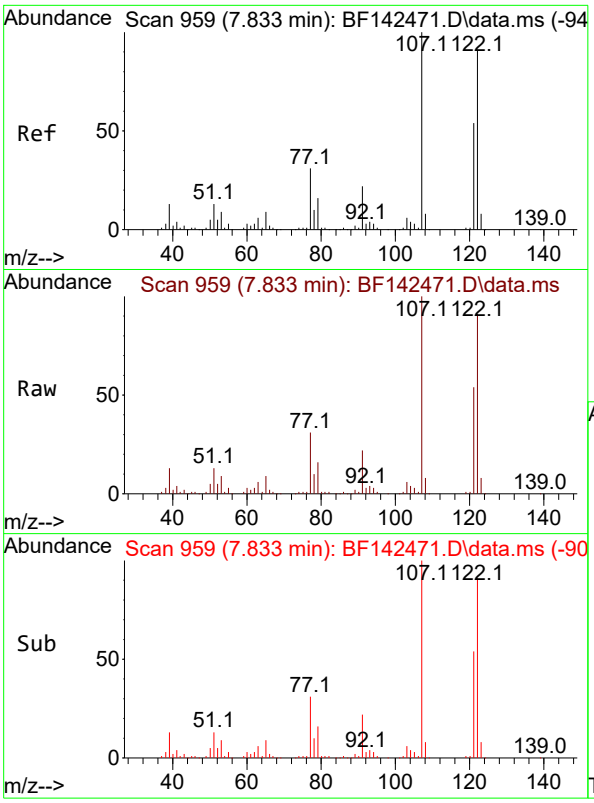


#26
2-Nitrophenol
Concen: 39.646 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:139 Resp: 132248

Ion	Ratio	Lower	Upper
139	100		
109	28.2	22.6	33.8
65	49.2	39.4	59.0



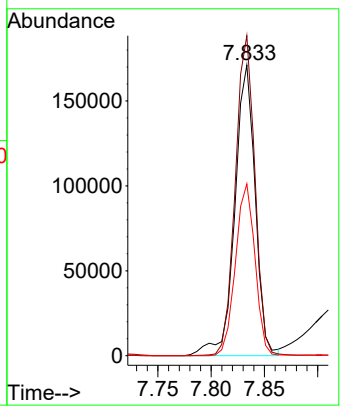


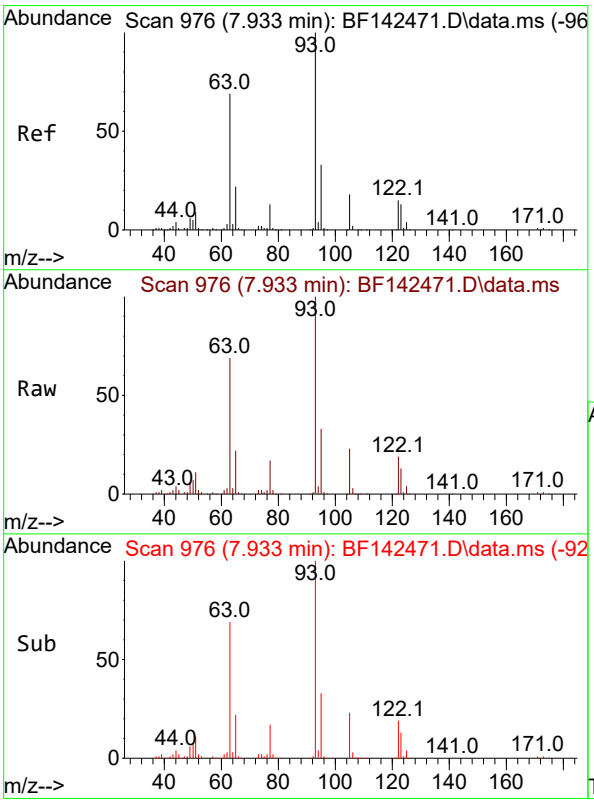
#27
2,4-Dimethylphenol
Concen: 38.858 ng
RT: 7.833 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 228588

Ion	Ratio	Lower	Upper
122	100		
107	110.1	88.1	132.1
121	59.1	47.3	70.9

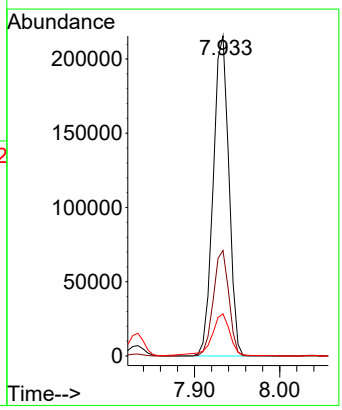


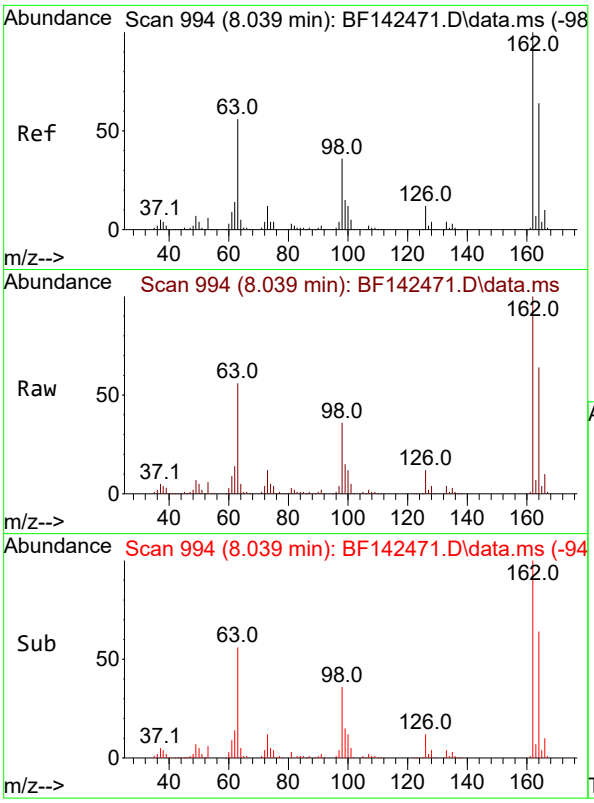


#28
bis(2-Chloroethoxy)methane
Concen: 38.002 ng
RT: 7.933 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion: 93 Resp: 274724

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.4	39.6
123	13.2	10.6	15.8



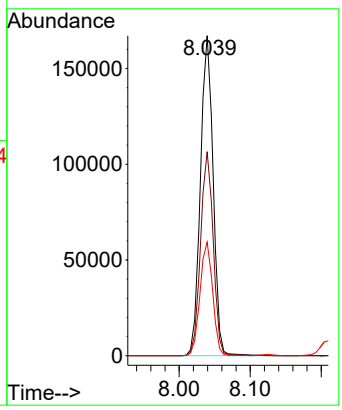


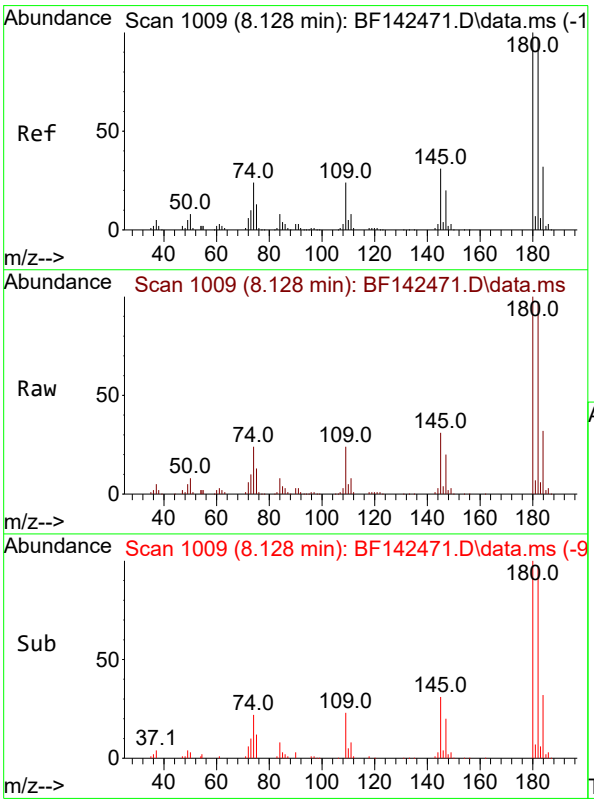
#29
2,4-Dichlorophenol
Concen: 38.963 ng
RT: 8.039 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 208444

Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.7	83.7
98	35.5	15.5	55.5

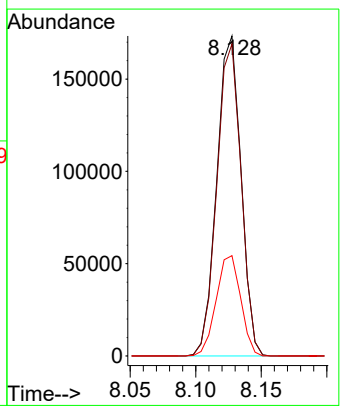


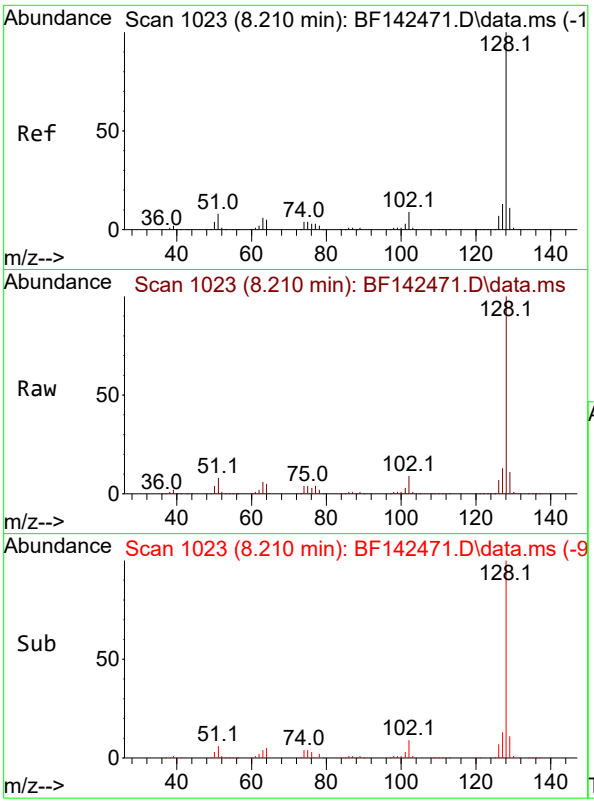


#30
1,2,4-Trichlorobenzene
Concen: 38.342 ng
RT: 8.128 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:180 Resp: 222613

Ion	Ratio	Lower	Upper
180	100		
182	97.5	78.0	117.0
145	31.3	25.0	37.6



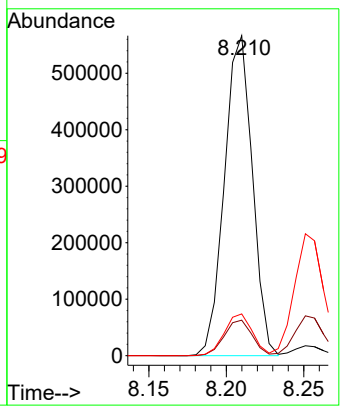


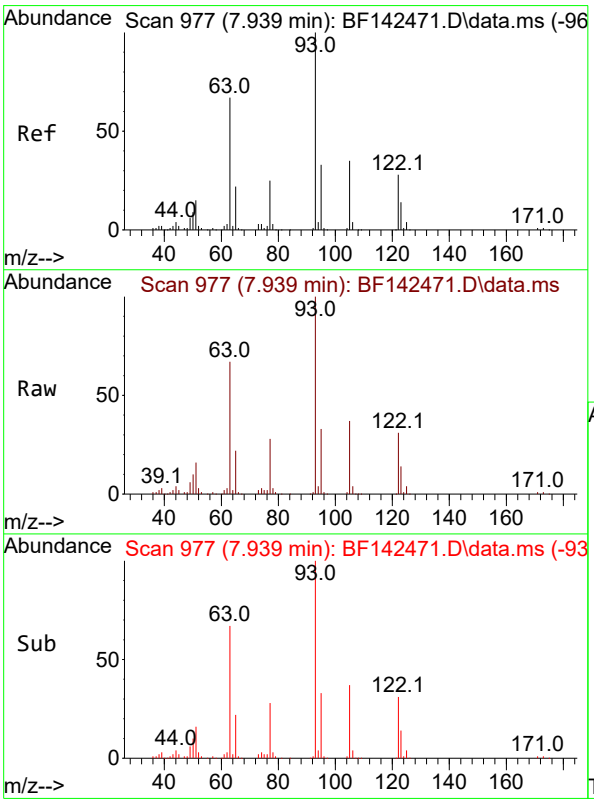
#31
Naphthalene
Concen: 38.223 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 710368

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.1	10.5	15.7

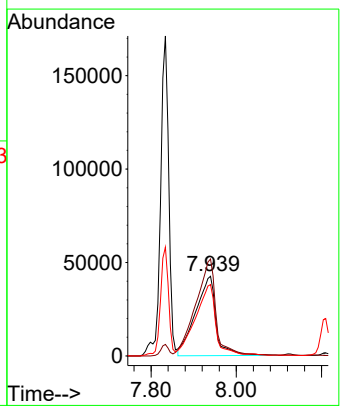


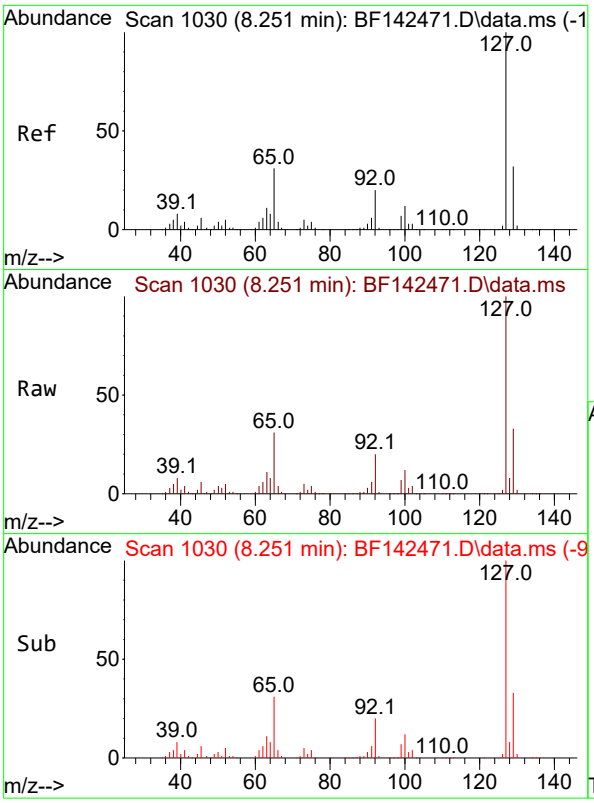


#32
Benzoic acid
Concen: 39.672 ng
RT: 7.939 min Scan# 977
Delta R.T. -0.036 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:122 Resp: 142061

Ion	Ratio	Lower	Upper
122	100		
105	121.7	101.7	141.7
77	89.5	69.5	109.5



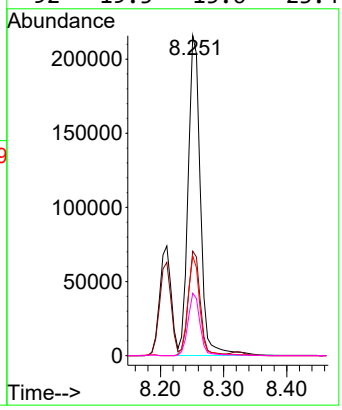


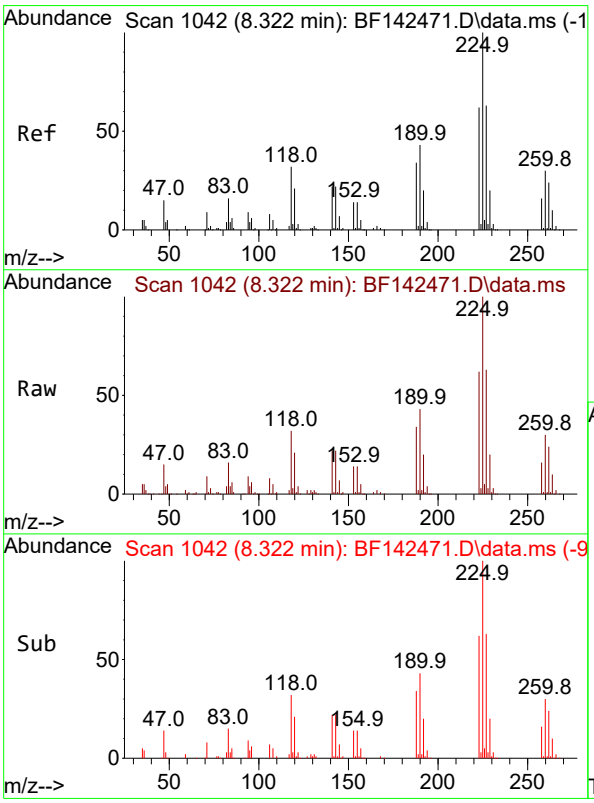
#33
4-Chloroaniline
Concen: 38.957 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 293373

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	31.1	24.9	37.3
92	19.5	15.6	23.4

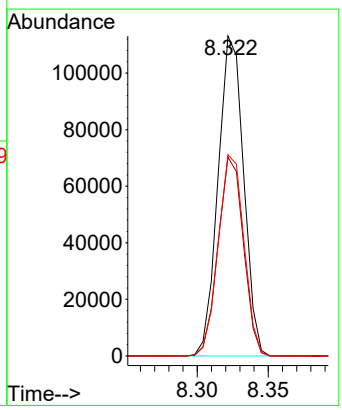


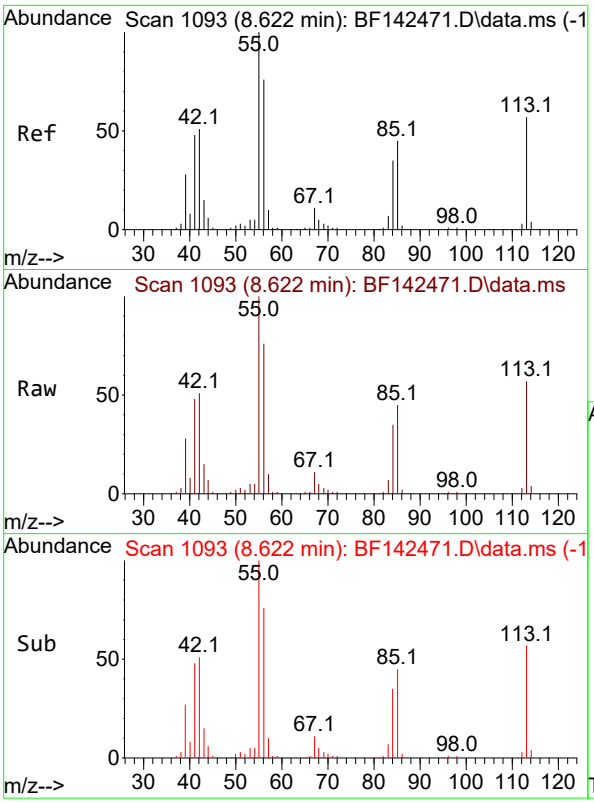


#34
Hexachlorobutadiene
Concen: 38.949 ng
RT: 8.322 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:225 Resp: 141200

Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.7	74.5
227	62.9	50.3	75.5



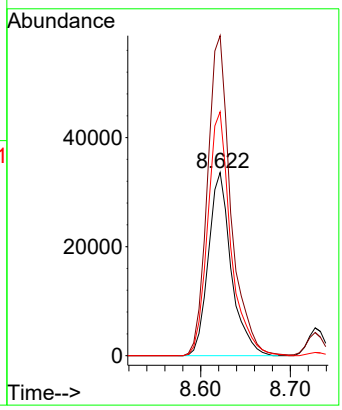


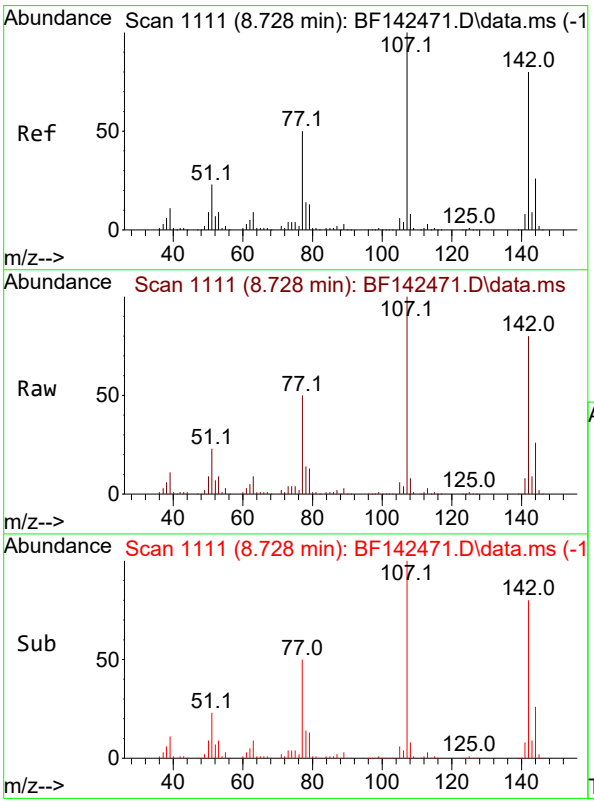
#35
Caprolactam
Concen: 39.473 ng
RT: 8.622 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 59309

Ion	Ratio	Lower	Upper
113	100		
55	174.7	154.7	194.7
56	133.2	113.2	153.2

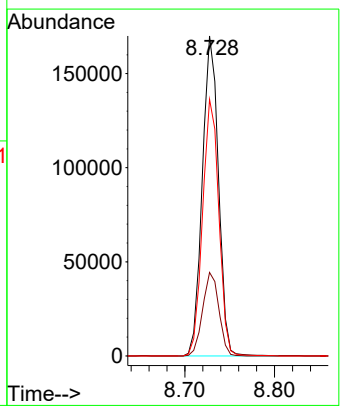


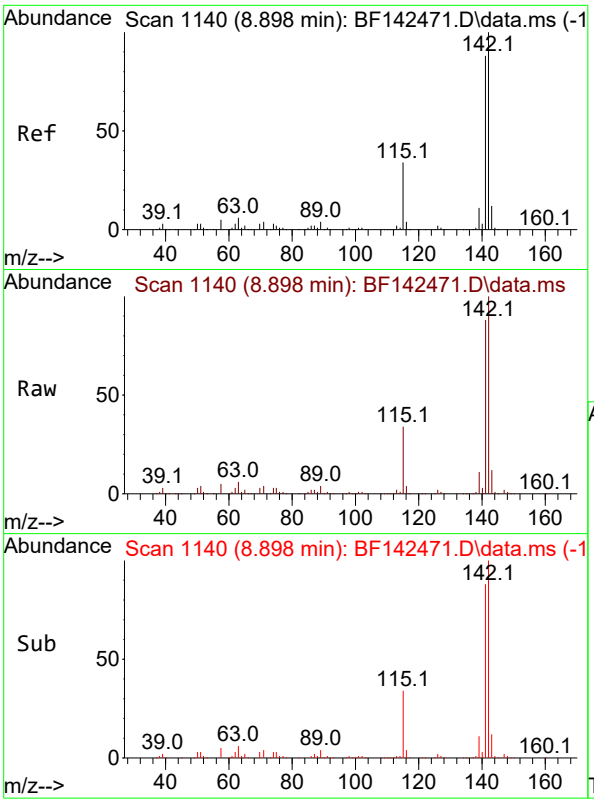


#36
4-Chloro-3-methylphenol
Concen: 38.800 ng
RT: 8.728 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:107 Resp: 212728

Ion	Ratio	Lower	Upper
107	100		
144	26.1	20.9	31.3
142	80.2	64.2	96.2



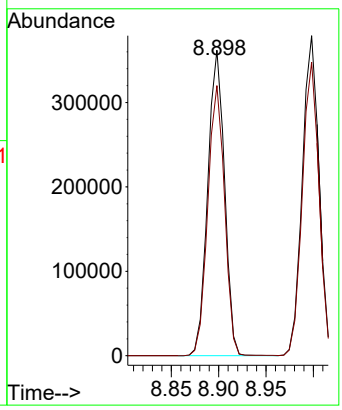


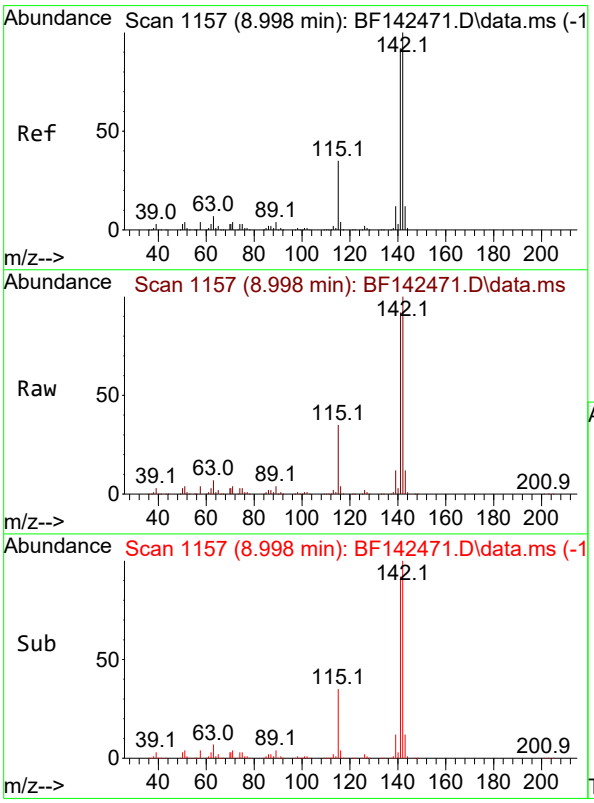
#37
2-Methylnaphthalene
Concen: 38.092 ng
RT: 8.898 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 445368

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.7	106.1

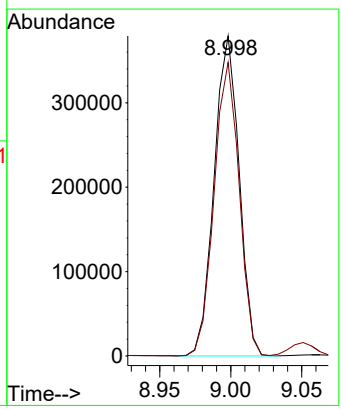


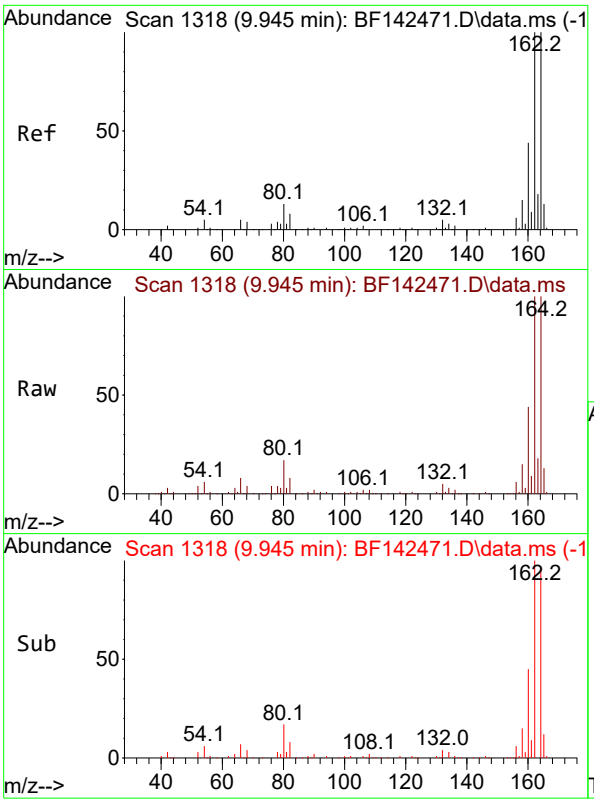


#38
1-Methylnaphthalene
Concen: 38.397 ng
RT: 8.998 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:142 Resp: 464365

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.4	110.2



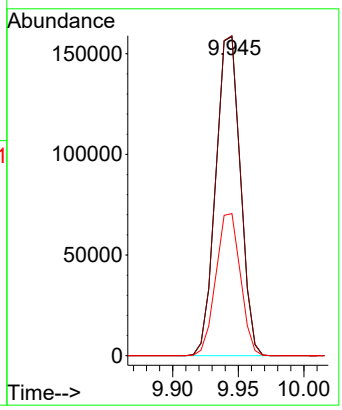


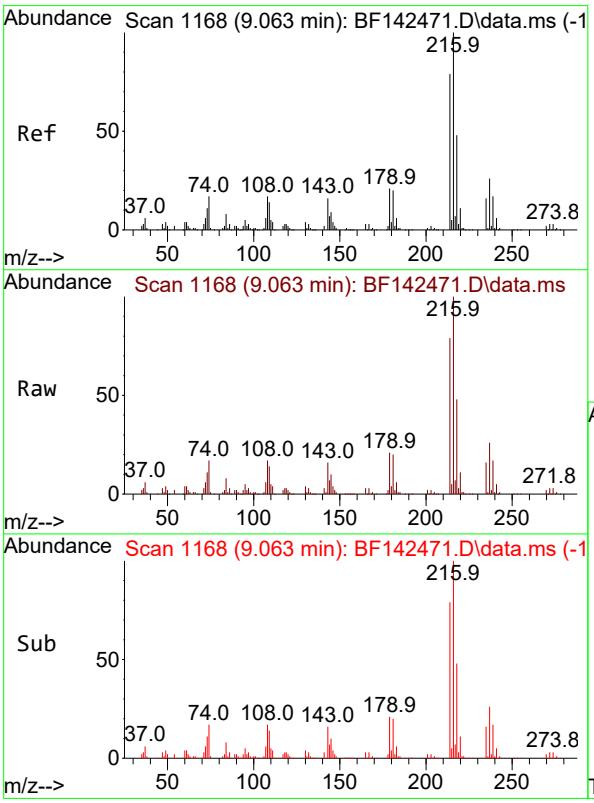
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 206343

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.2	120.4
160	44.5	35.6	53.4

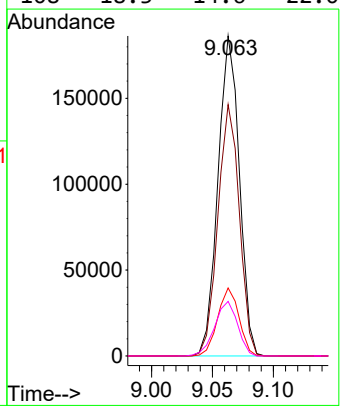


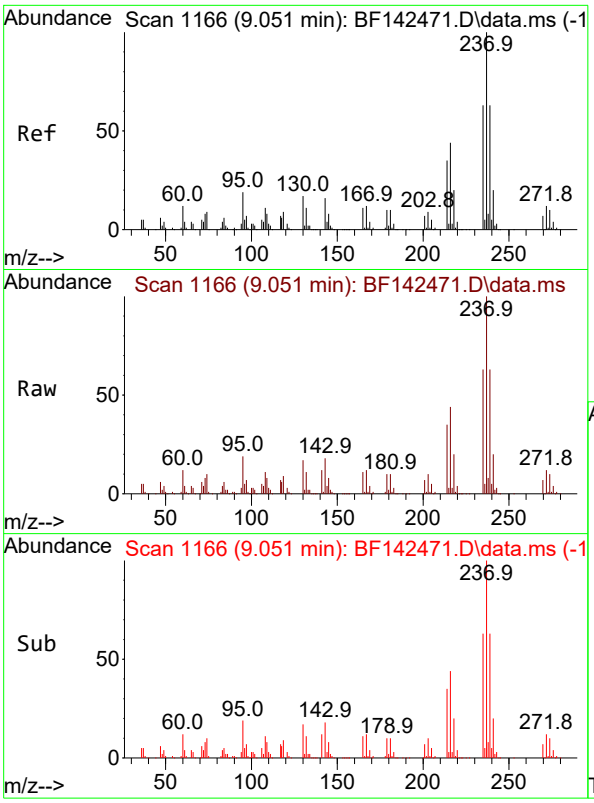


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.439 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:216 Resp: 227685

Ion	Ratio	Lower	Upper
216	100		
214	78.6	62.9	94.3
179	21.1	16.9	25.3
108	18.3	14.6	22.0



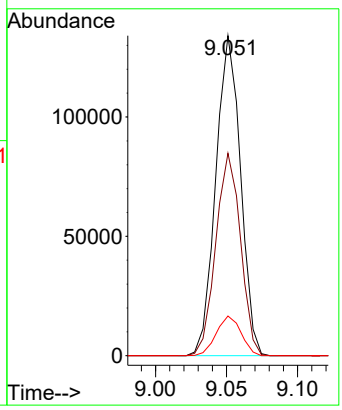


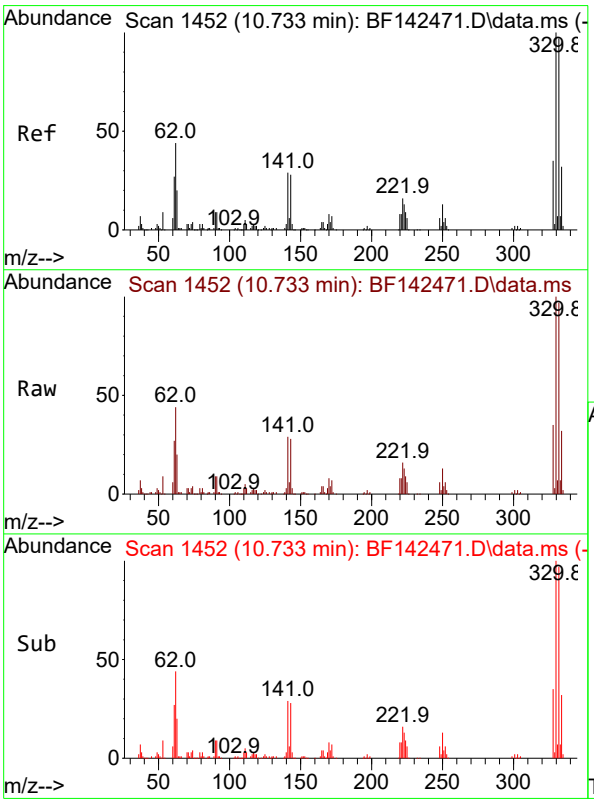
#41
Hexachlorocyclopentadiene
Concen: 40.622 ng
RT: 9.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 162314

Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.3	83.3
272	12.4	0.0	32.4

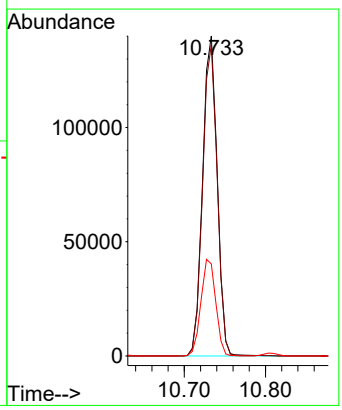


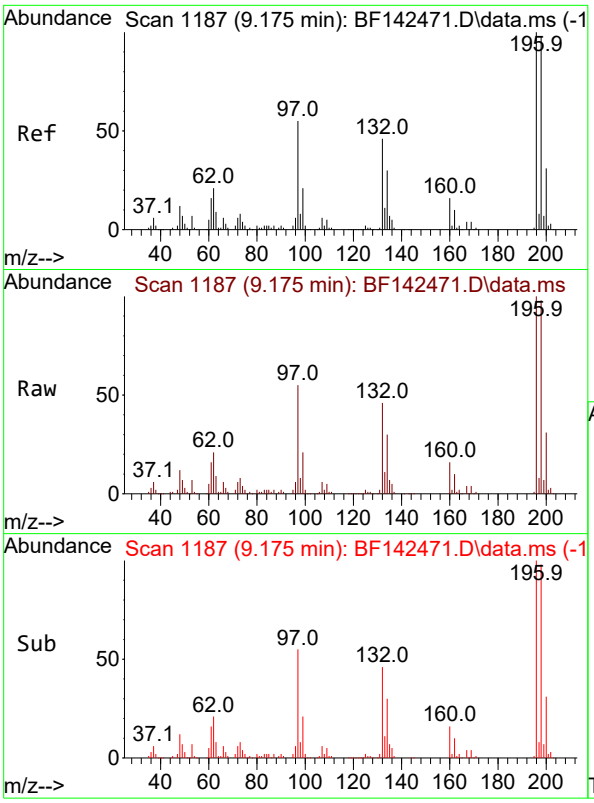


#42
2,4,6-Tribromophenol
Concen: 76.189 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:330 Resp: 174483

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.6	116.4
141	30.7	24.6	36.8



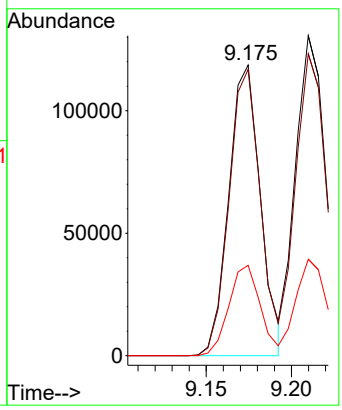


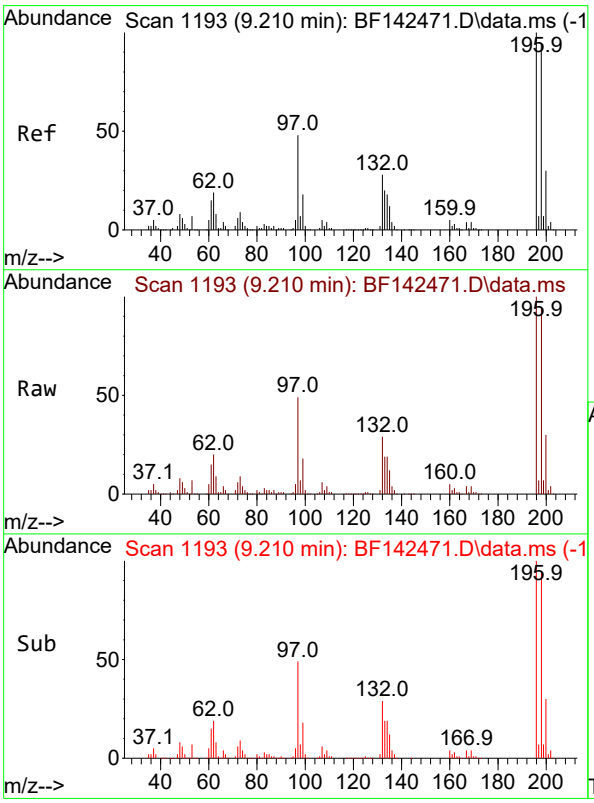
#43
2,4,6-Trichlorophenol
Concen: 38.383 ng
RT: 9.175 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 153308

Ion	Ratio	Lower	Upper
196	100		
198	98.5	78.8	118.2
200	31.1	24.9	37.3

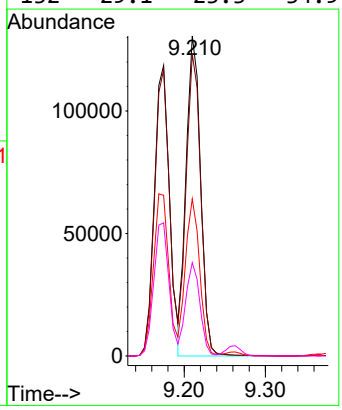


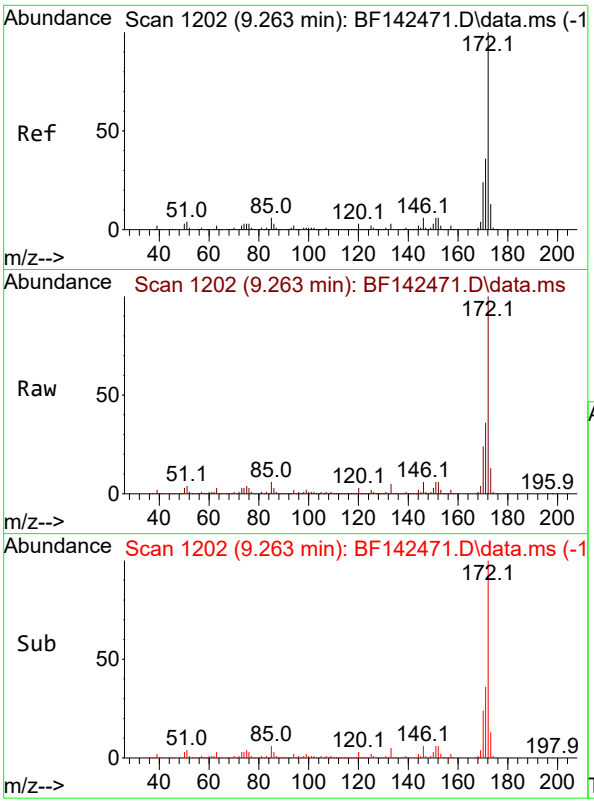


#44
2,4,5-Trichlorophenol
Concen: 38.667 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:196 Resp: 162880

Ion	Ratio	Lower	Upper
196	100		
198	94.4	75.5	113.3
97	49.1	39.3	58.9
132	29.1	23.3	34.9



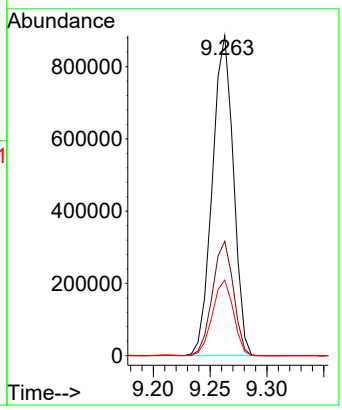


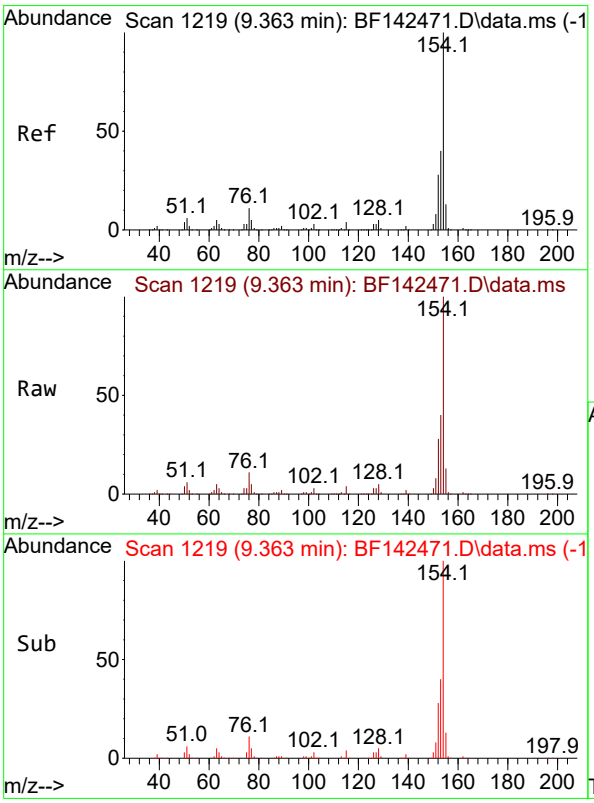
#45
2-Fluorobiphenyl
Concen: 74.452 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 1144883

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	42.8
170	23.6	18.9	28.3

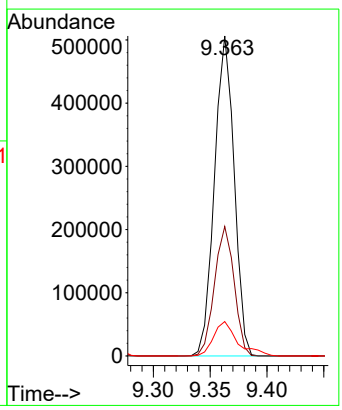


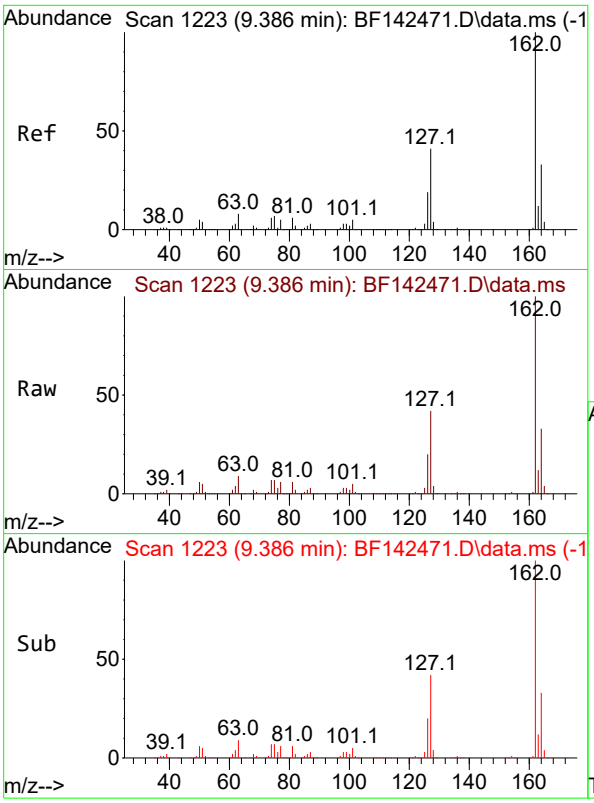


#46
1,1'-Biphenyl
Concen: 38.146 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:154 Resp: 610663

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.4	60.4
76	10.8	0.0	30.8



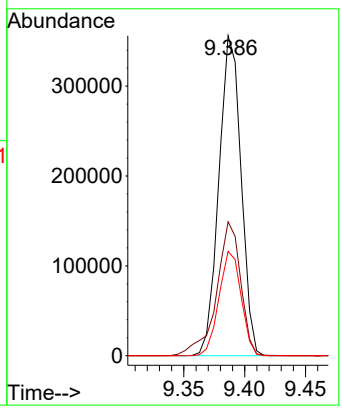


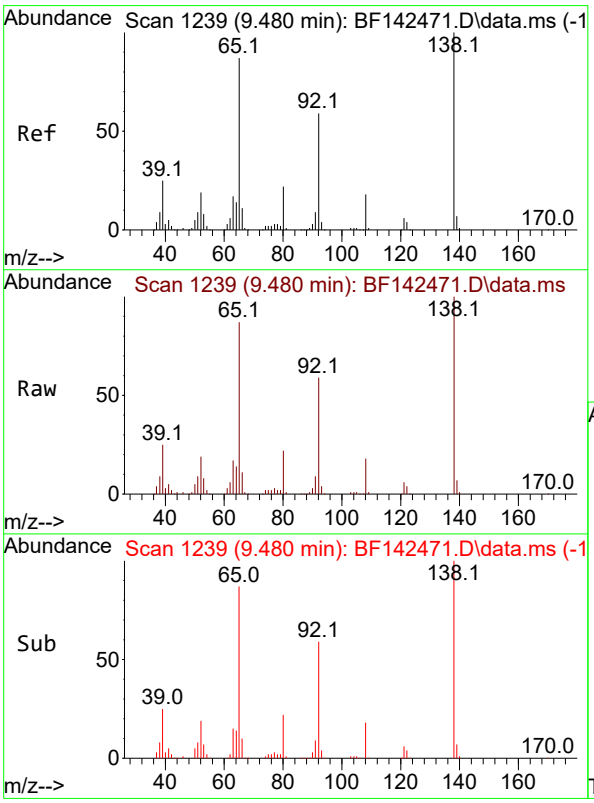
#47
2-Chloronaphthalene
Concen: 38.185 ng
RT: 9.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 451638

Ion	Ratio	Lower	Upper
162	100		
127	41.9	33.5	50.3
164	32.6	26.1	39.1

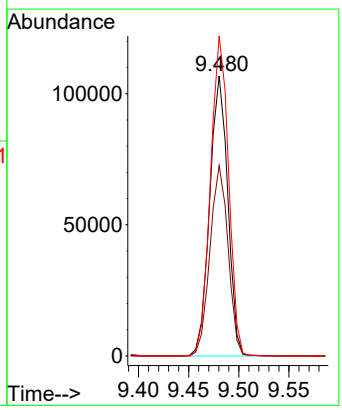


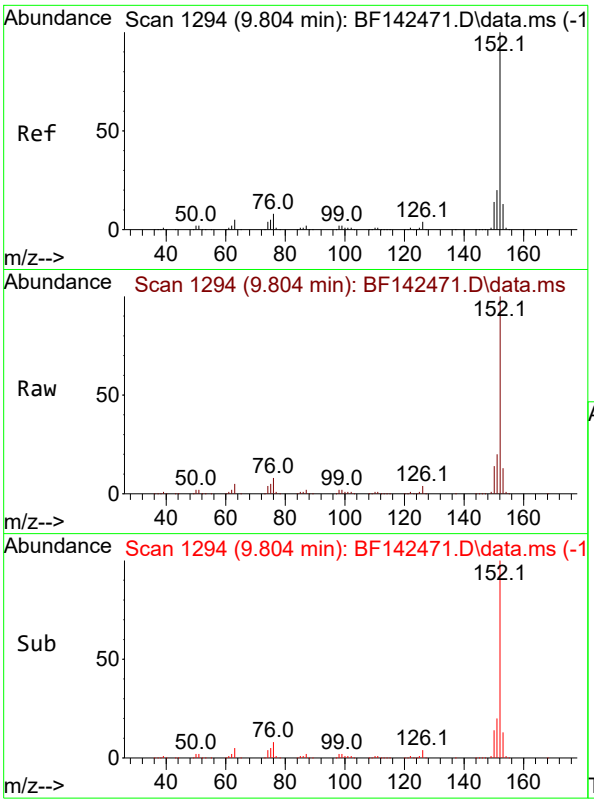


#48
2-Nitroaniline
Concen: 39.102 ng
RT: 9.480 min Scan# 1239
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion: 65 Resp: 133679

Ion	Ratio	Lower	Upper
65	100		
92	68.0	54.4	81.6
138	114.3	91.4	137.2



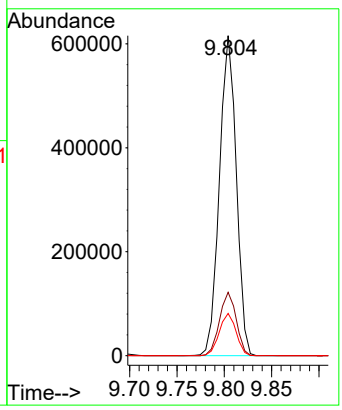


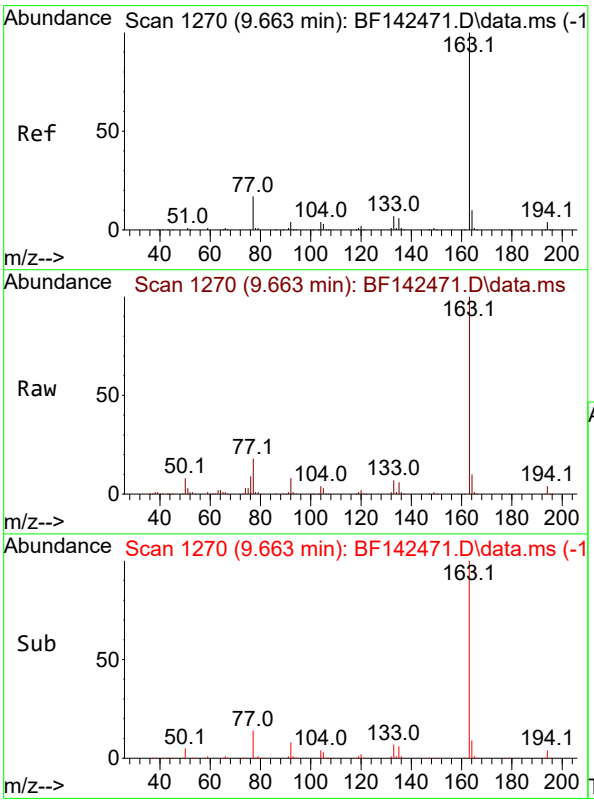
#49
Acenaphthylene
Concen: 38.240 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 763730

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	13.2	10.6	15.8

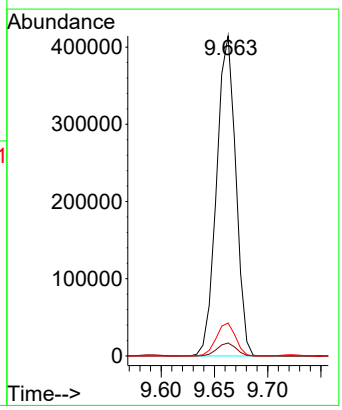


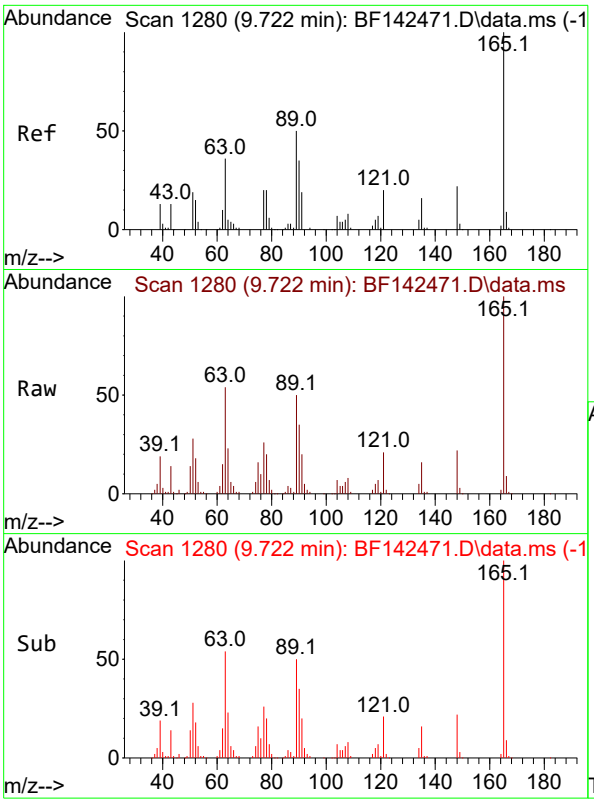


#50
Dimethylphthalate
Concen: 38.051 ng
RT: 9.663 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:163 Resp: 518078

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.3	8.2	12.4



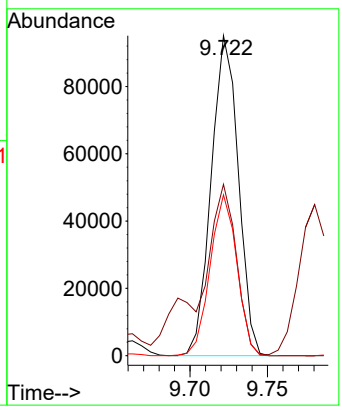


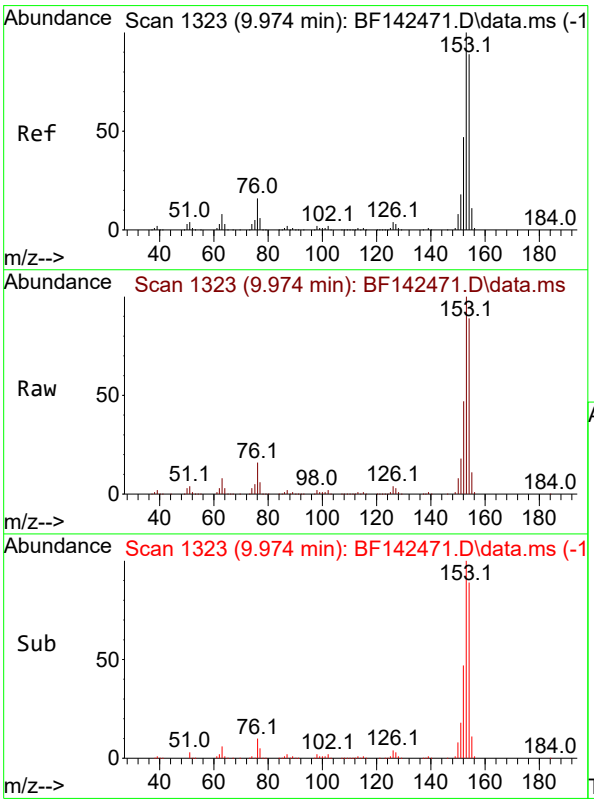
#51
2,6-Dinitrotoluene
Concen: 39.370 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 115691

Ion	Ratio	Lower	Upper
165	100		
63	53.6	42.9	64.3
89	50.3	40.2	60.4

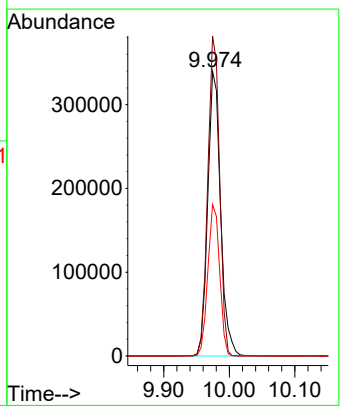


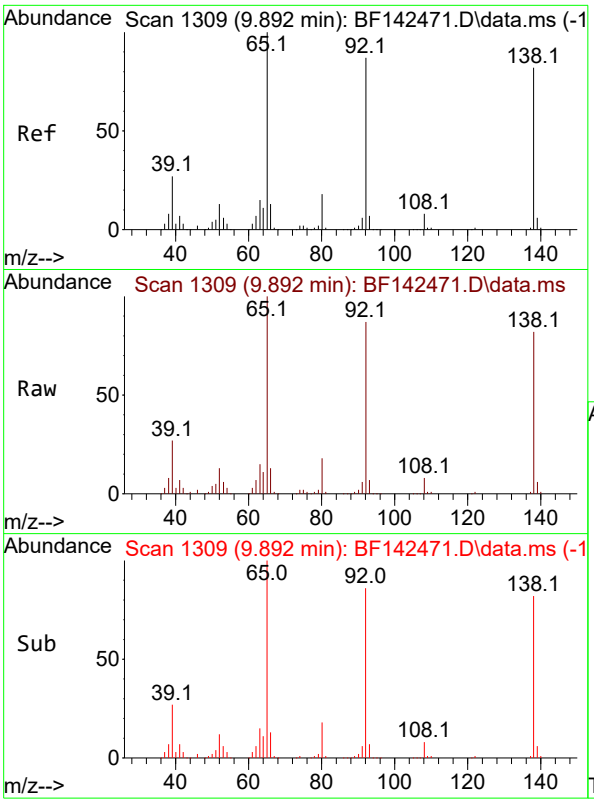


#52
Acenaphthene
Concen: 37.904 ng
RT: 9.974 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:154 Resp: 462249

Ion	Ratio	Lower	Upper
154	100		
153	112.5	90.0	135.0
152	53.3	42.6	64.0



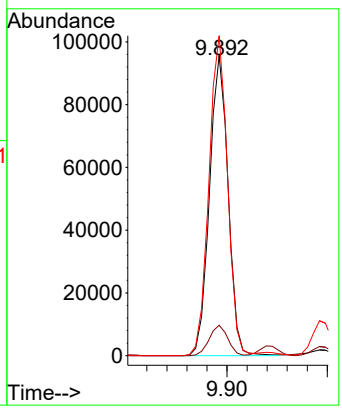


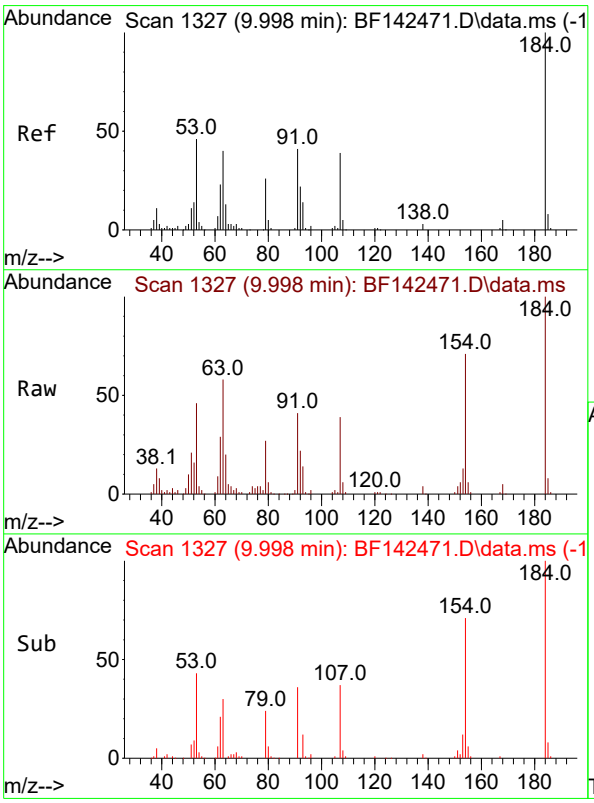
#53
3-Nitroaniline
Concen: 38.413 ng
RT: 9.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 123293

Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.1	12.1
92	106.5	85.2	127.8

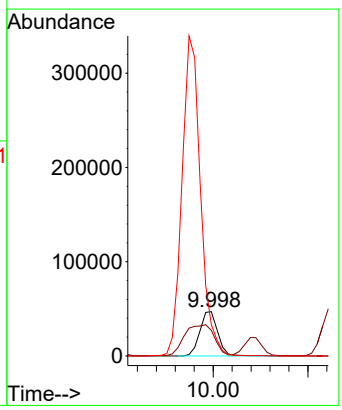


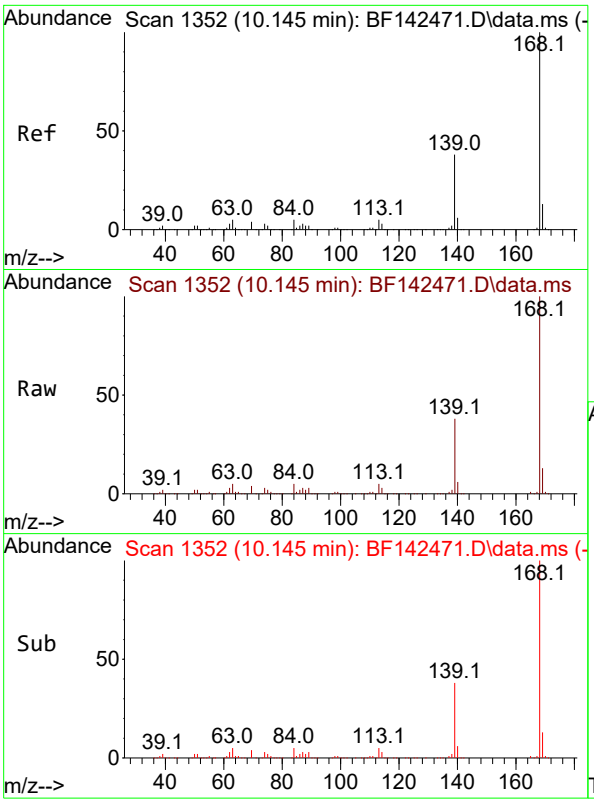


#54
2,4-Dinitrophenol
Concen: 40.477 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:184 Resp: 61452

Ion	Ratio	Lower	Upper
184	100		
63	57.9	46.3	69.5
154	71.0	56.8	85.2



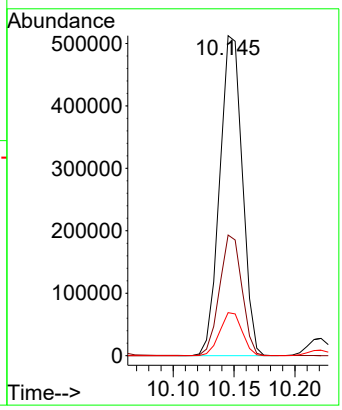


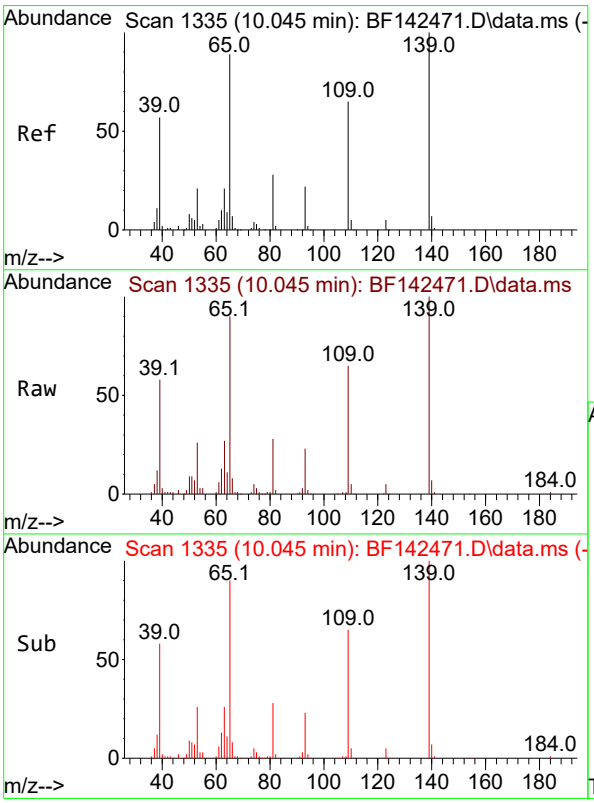
#55
Dibenzofuran
Concen: 37.758 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 662626

Ion	Ratio	Lower	Upper
168	100		
139	37.7	30.2	45.2
169	13.4	10.7	16.1

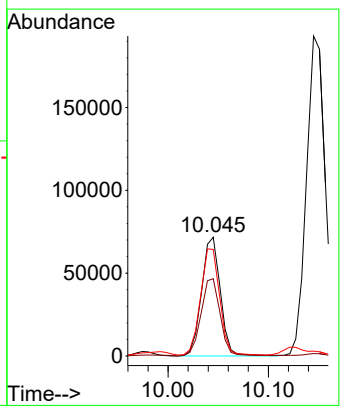


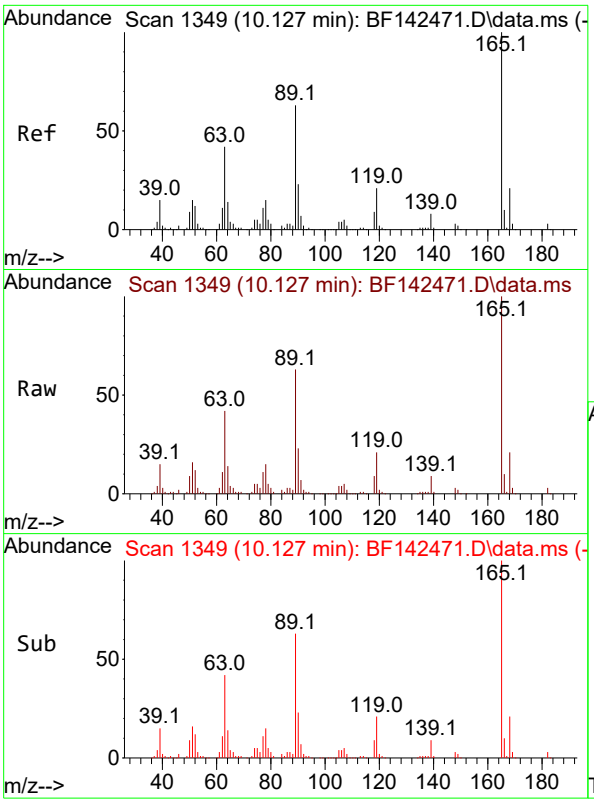


#56
4-Nitrophenol
Concen: 39.526 ng
RT: 10.045 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:139 Resp: 93606

Ion	Ratio	Lower	Upper
139	100		
109	65.1	45.1	85.1
65	89.7	69.7	109.7



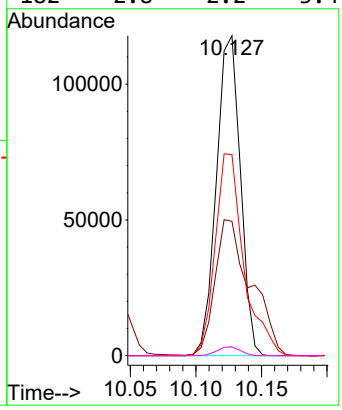


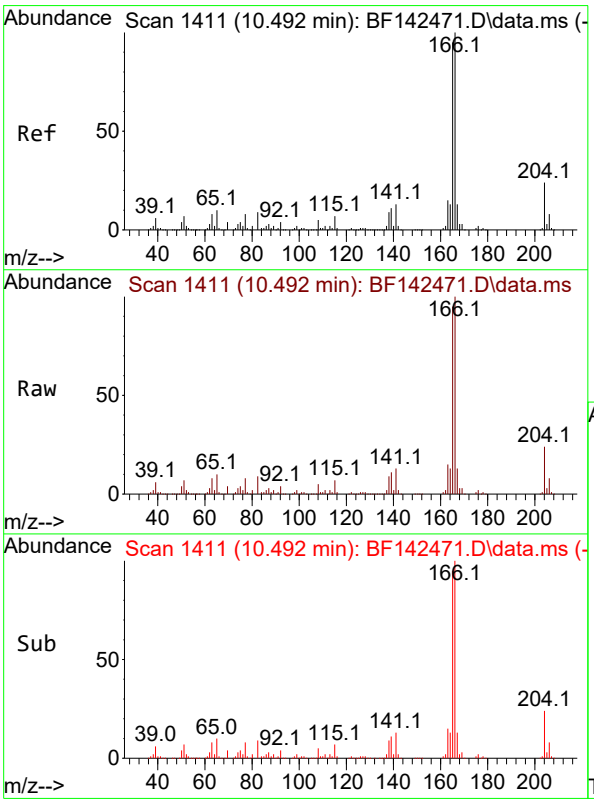
#57
2,4-Dinitrotoluene
Concen: 39.095 ng
RT: 10.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 150036

Ion	Ratio	Lower	Upper
165	100		
63	42.0	33.6	50.4
89	62.8	50.2	75.4
182	2.8	2.2	3.4

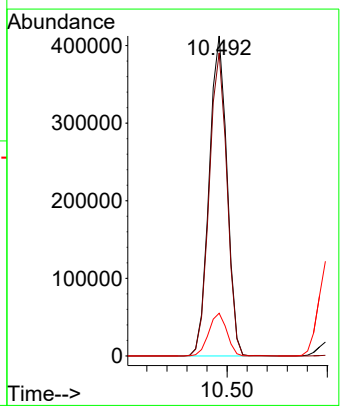


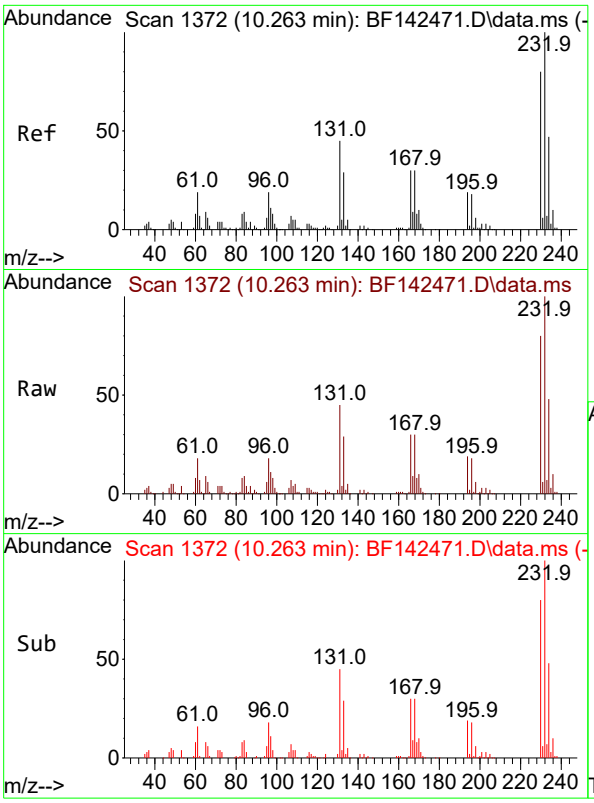


#58
Fluorene
Concen: 37.457 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:166 Resp: 507836

Ion	Ratio	Lower	Upper
166	100		
165	94.8	75.8	113.8
167	13.3	10.6	16.0



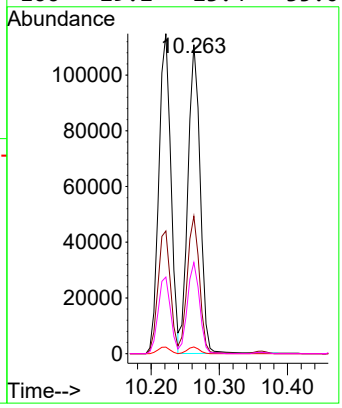


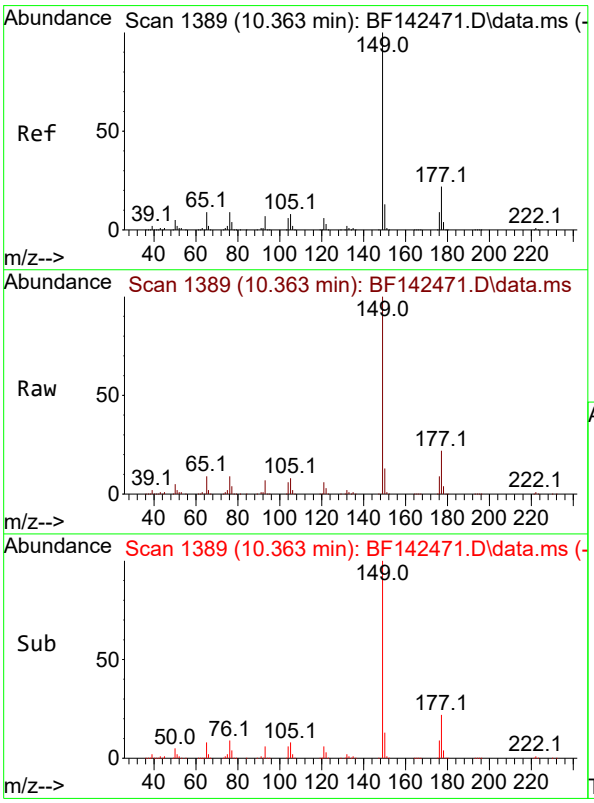
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.022 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 137225

Ion	Ratio	Lower	Upper
232	100		
131	44.0	35.2	52.8
130	2.1	1.7	2.5
166	29.2	23.4	35.0

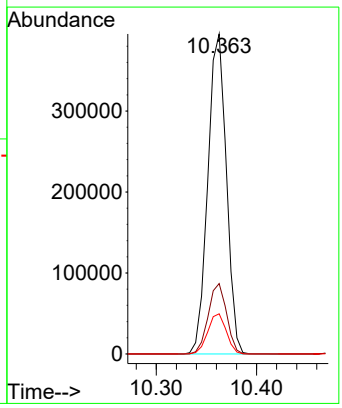


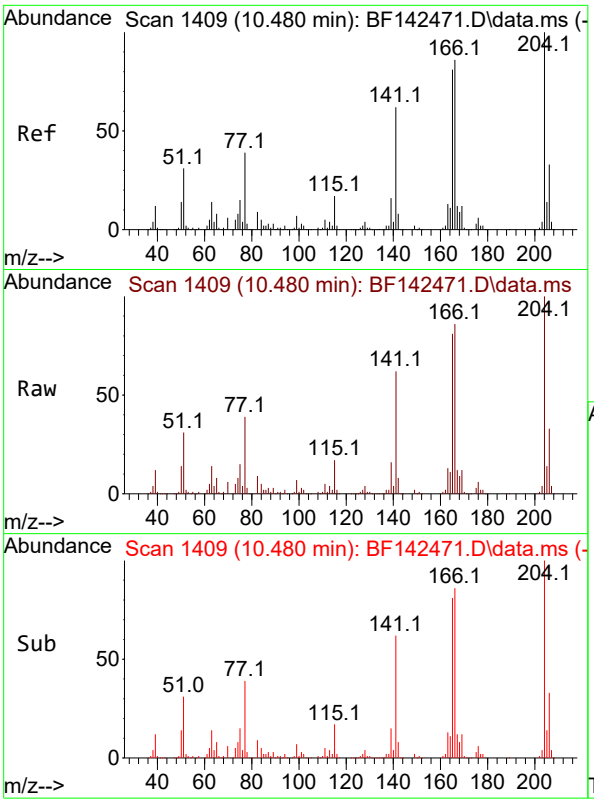


#60
Diethylphthalate
Concen: 38.217 ng
RT: 10.363 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:149 Resp: 508183

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.6	26.4
150	12.6	10.1	15.1



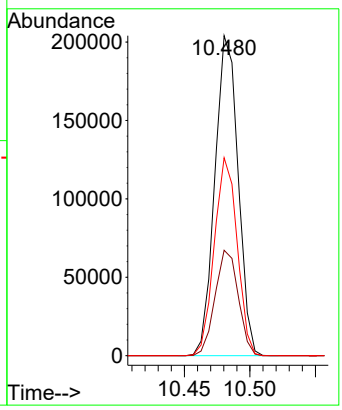


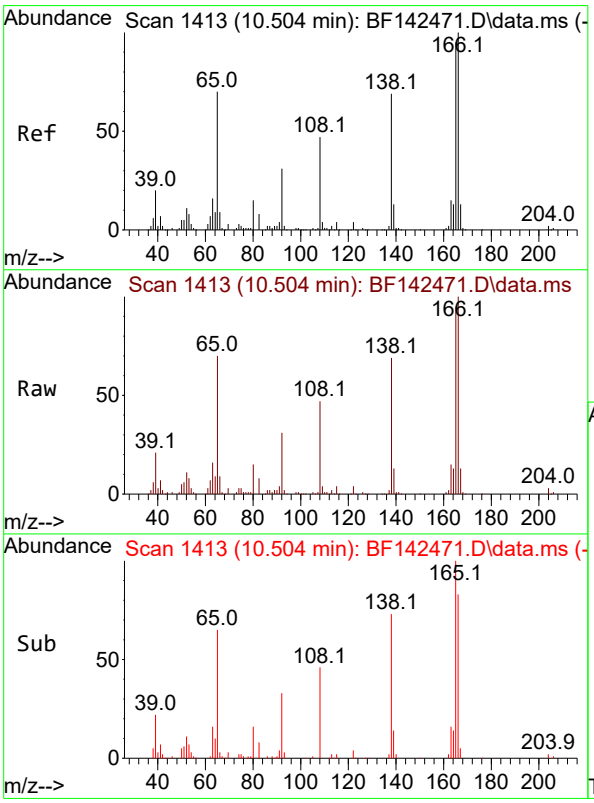
#61
4-Chlorophenyl-phenylether
Concen: 37.706 ng
RT: 10.480 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 251129

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.3	39.5
141	61.9	49.5	74.3

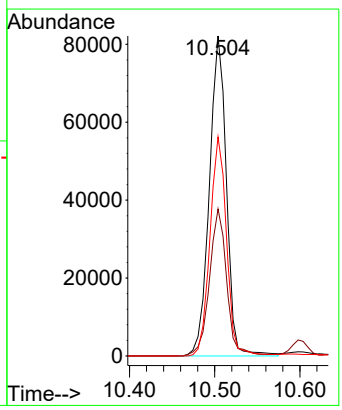


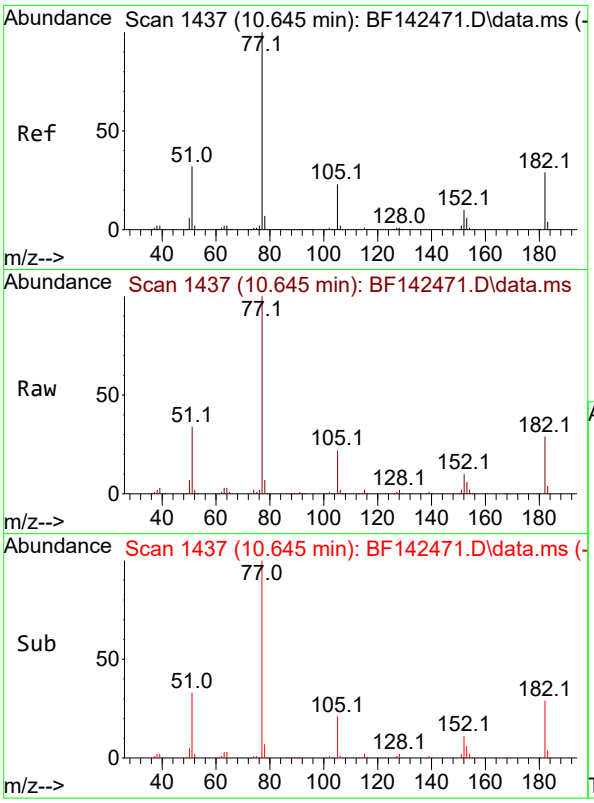


#62
4-Nitroaniline
Concen: 39.253 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:138 Resp: 114265

Ion	Ratio	Lower	Upper
138	100		
92	46.0	26.0	66.0
108	68.4	48.4	88.4



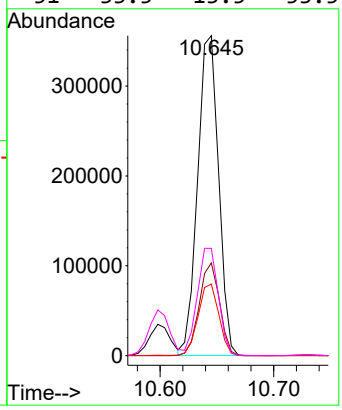


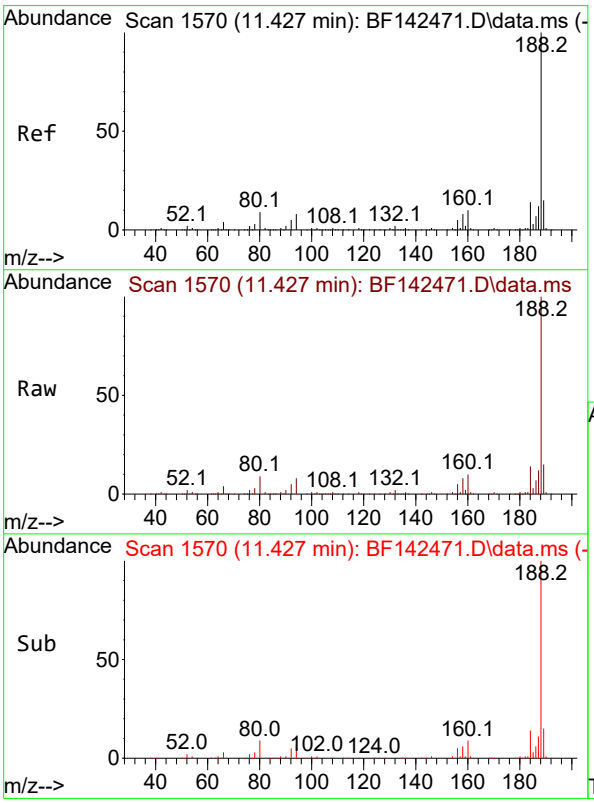
#63
Azobenzene
Concen: 38.246 ng
RT: 10.645 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 456781

Ion	Ratio	Lower	Upper
77	100		
182	29.0	9.0	49.0
105	22.4	2.4	42.4
51	33.5	13.5	53.5

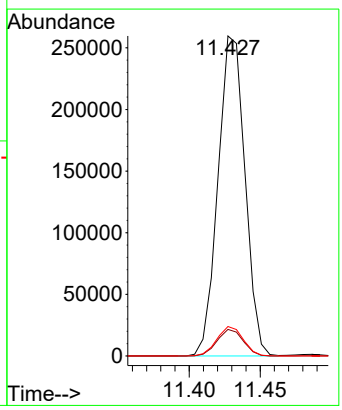


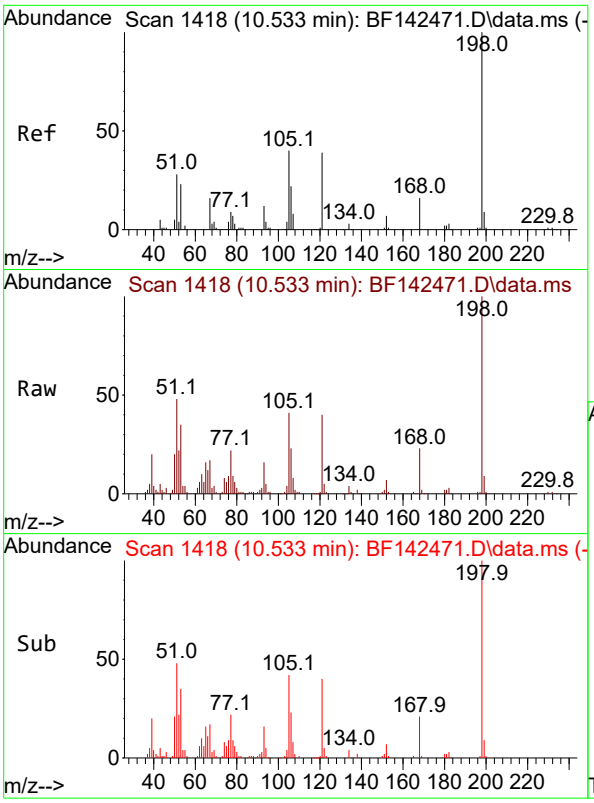


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:188 Resp: 343068

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	9.2	7.4	11.0



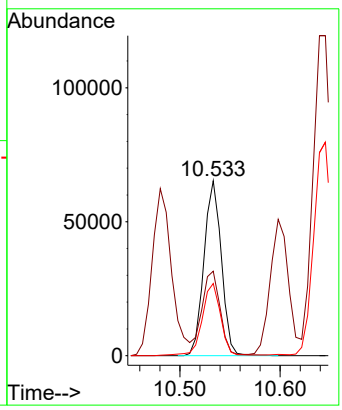


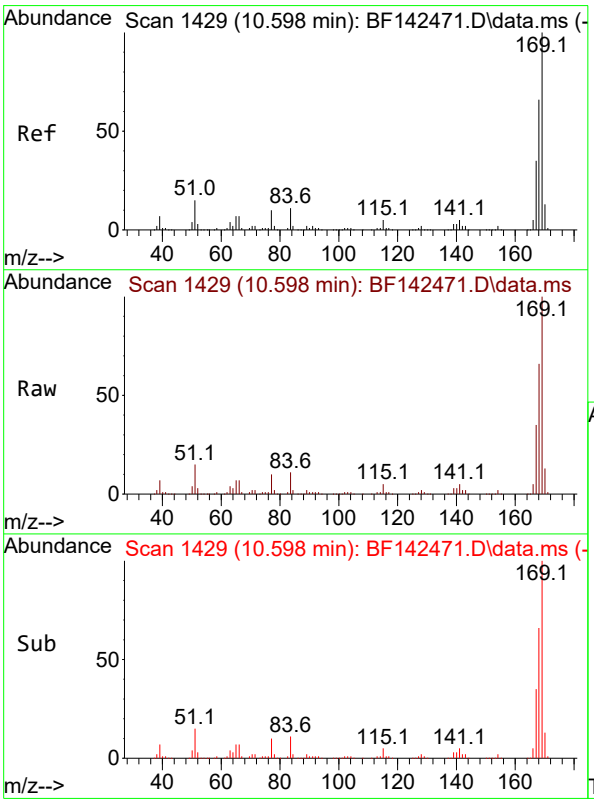
#65
4,6-Dinitro-2-methylphenol
Concen: 41.326 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 79121

Ion	Ratio	Lower	Upper
198	100		
51	48.3	28.3	68.3
105	41.3	21.3	61.3

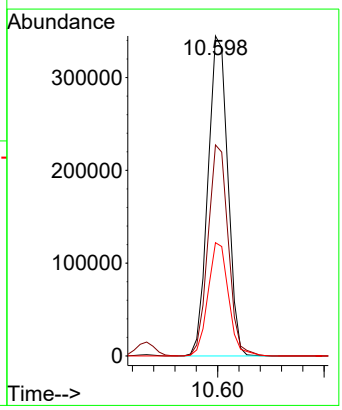


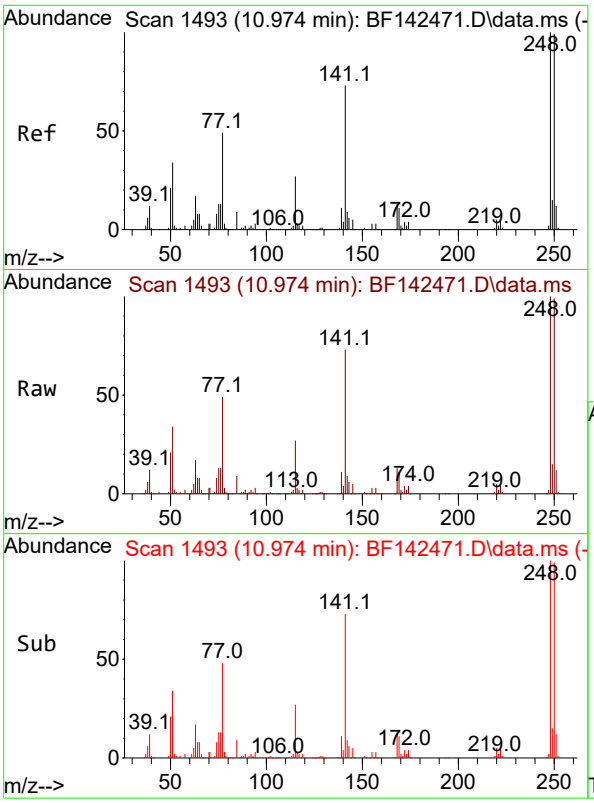


#66
n-Nitrosodiphenylamine
Concen: 37.917 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:169 Resp: 445033

Ion	Ratio	Lower	Upper
169	100		
168	65.9	52.7	79.1
167	35.4	28.3	42.5



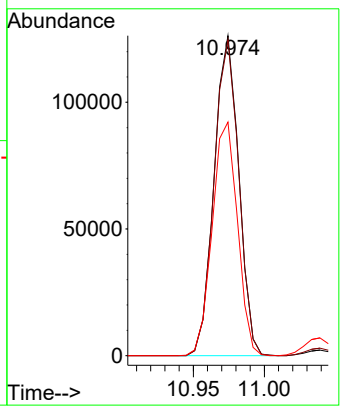


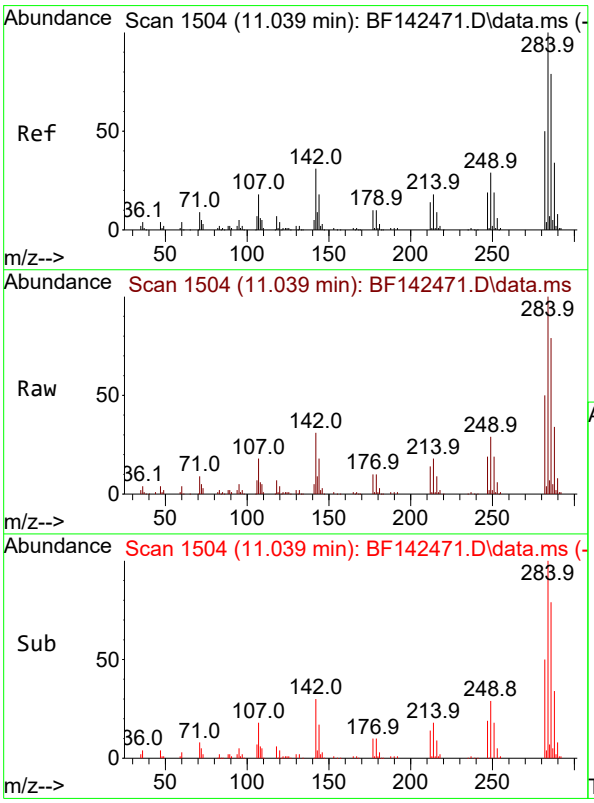
#67
4-Bromophenyl-phenylether
Concen: 37.556 ng
RT: 10.974 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 152348

Ion	Ratio	Lower	Upper
248	100		
250	98.7	79.0	118.4
141	73.0	58.4	87.6

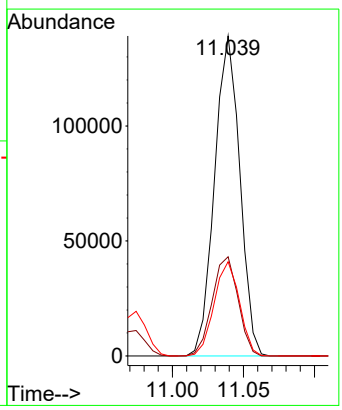


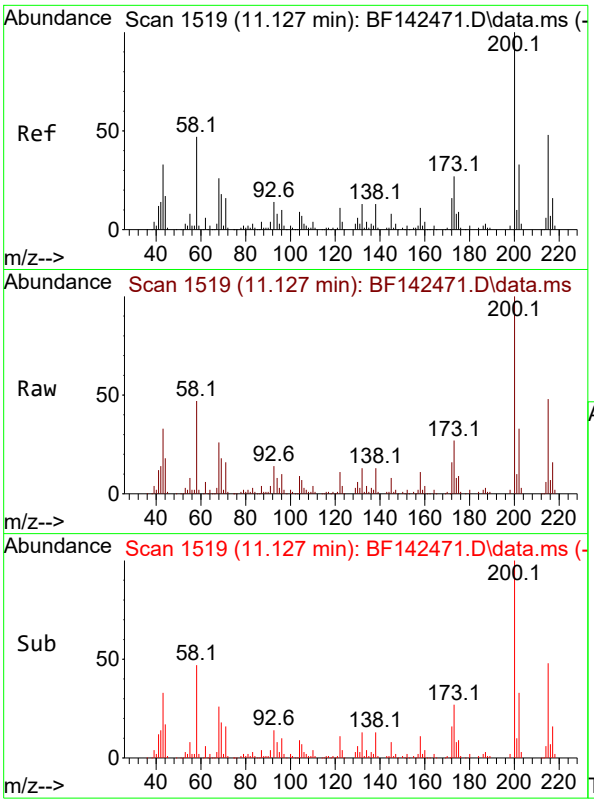


#68
Hexachlorobenzene
Concen: 38.318 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:284 Resp: 171918

Ion	Ratio	Lower	Upper
284	100		
142	31.0	24.8	37.2
249	29.5	23.6	35.4



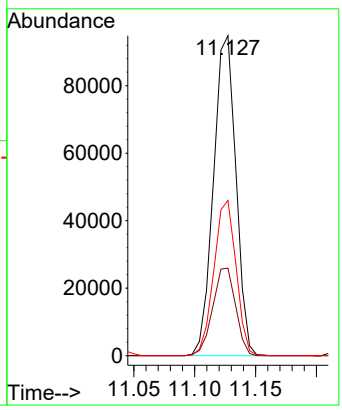


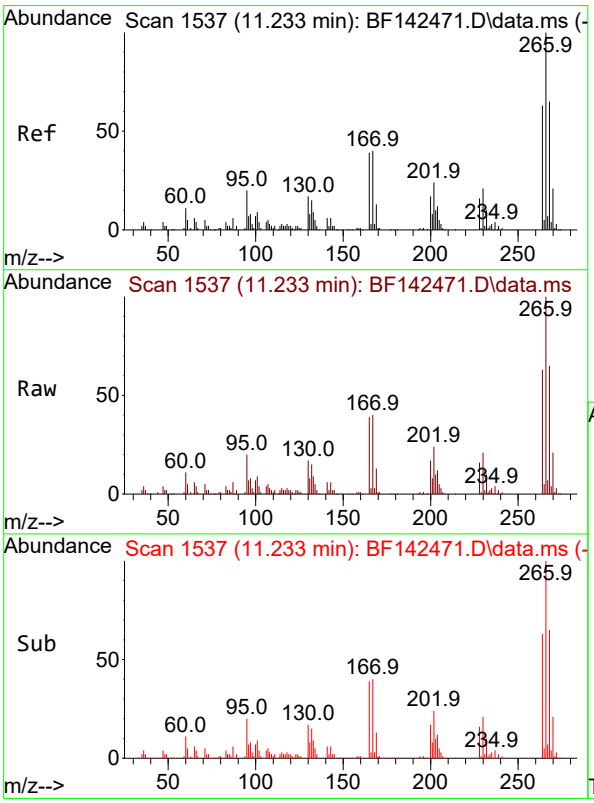
#69
Atrazine
Concen: 39.072 ng
RT: 11.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 121790

Ion	Ratio	Lower	Upper
200	100		
173	27.4	7.4	47.4
215	48.5	28.5	68.5

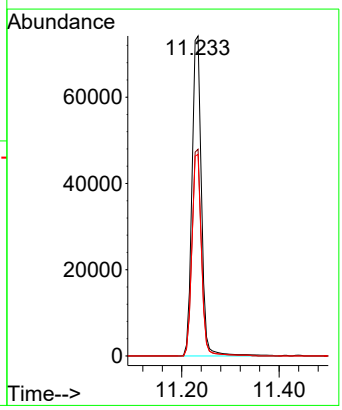


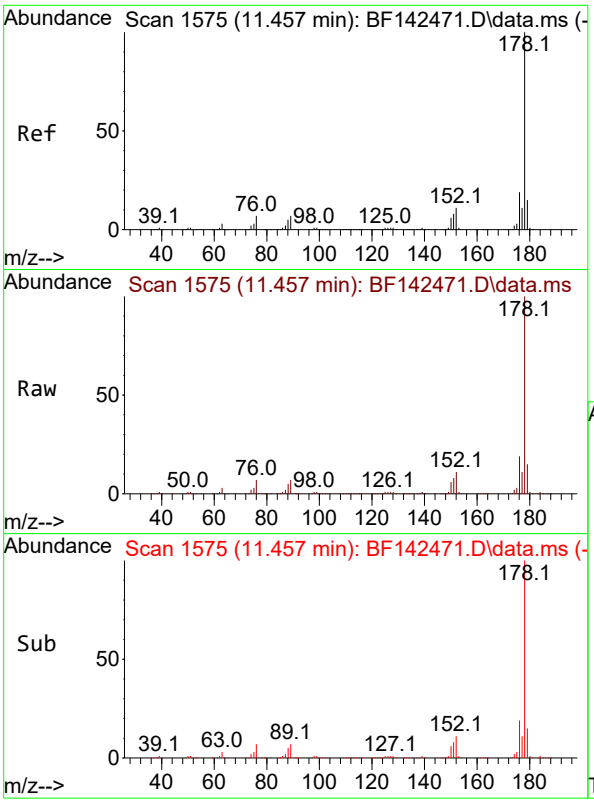


#70
Pentachlorophenol
Concen: 39.824 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:266 Resp: 100877

Ion	Ratio	Lower	Upper
266	100		
268	64.6	51.7	77.5
264	63.0	50.4	75.6



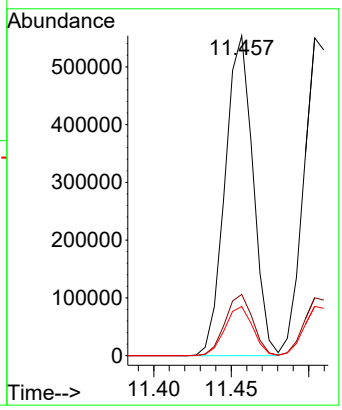


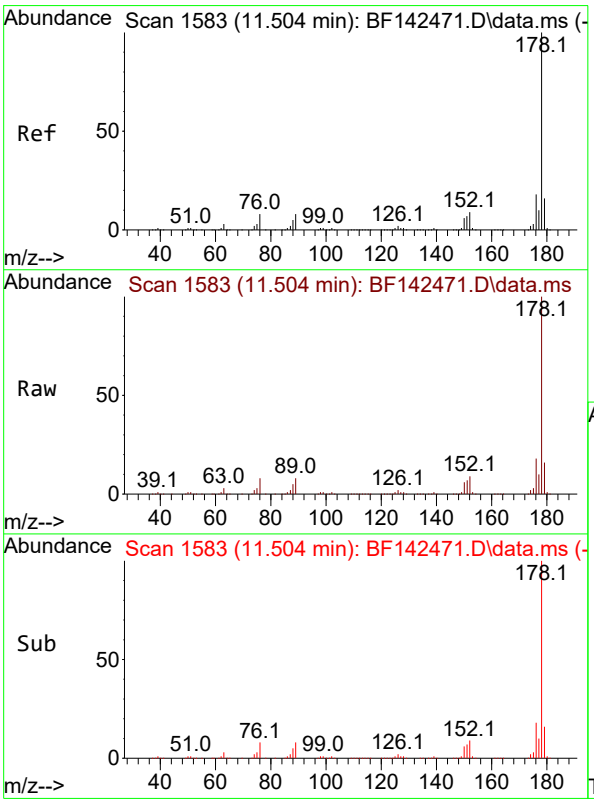
#71
Phenanthrene
Concen: 37.855 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 694045

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.4	12.3	18.5

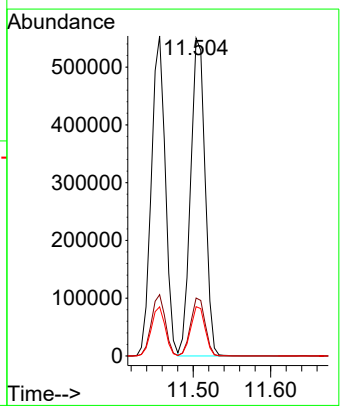


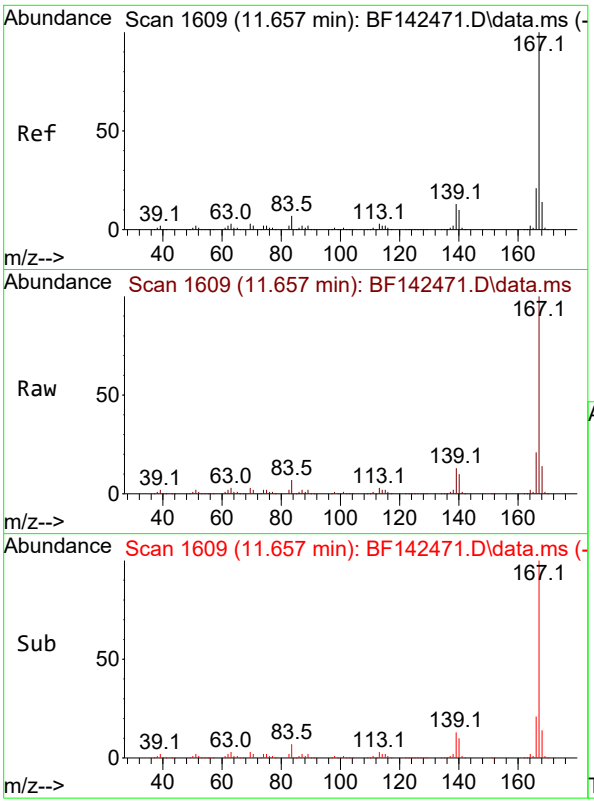


#72
Anthracene
Concen: 38.007 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:178 Resp: 711162

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	15.5	12.4	18.6



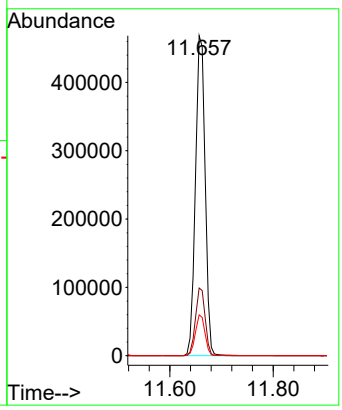


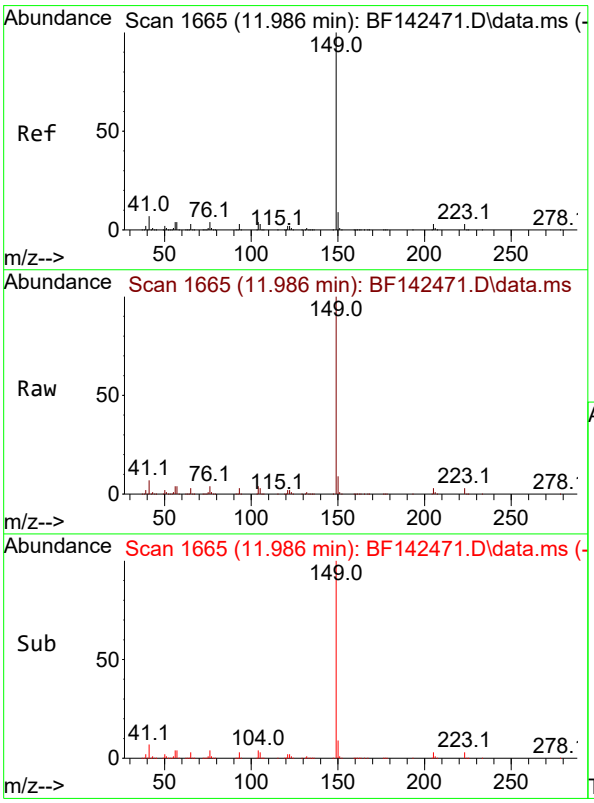
#73
Carbazole
Concen: 38.140 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 610097

Ion	Ratio	Lower	Upper
167	100		
166	21.1	16.9	25.3
139	12.8	10.2	15.4

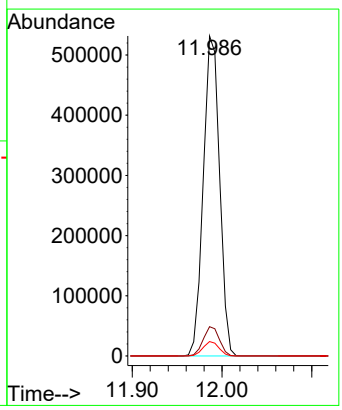


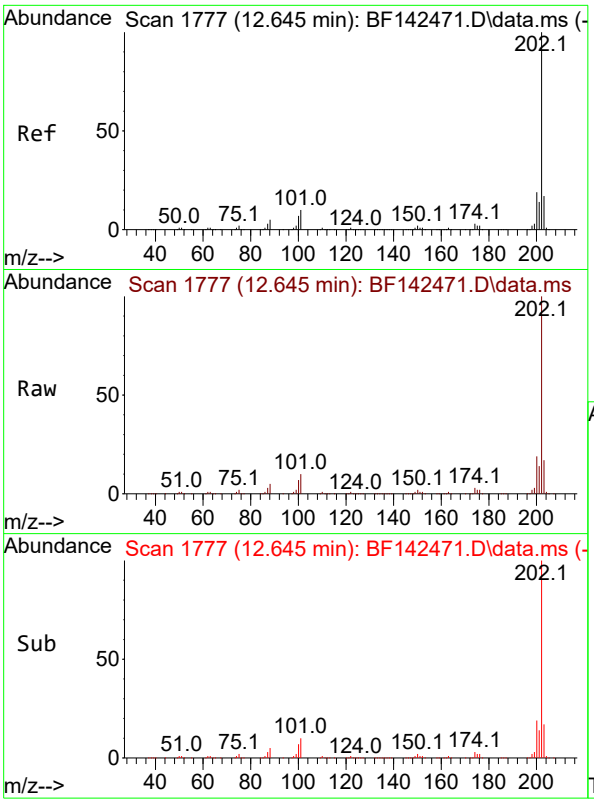


#74
Di-n-butylphthalate
Concen: 38.227 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:149 Resp: 669345

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.5	3.6	5.4



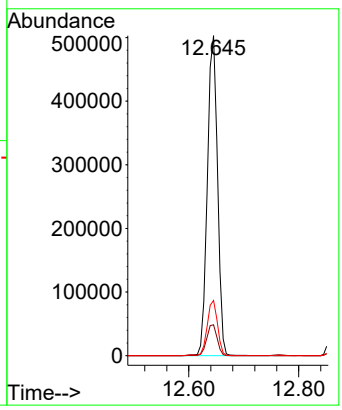


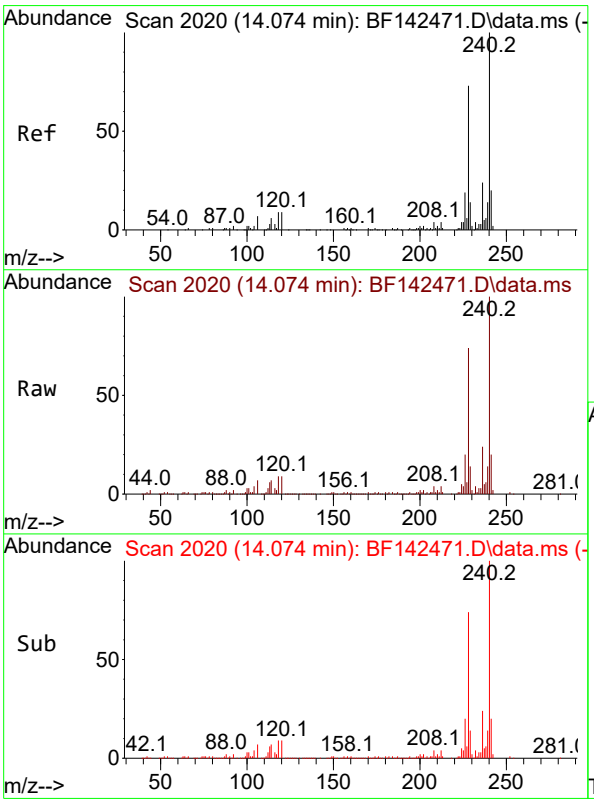
#75
Fluoranthene
Concen: 37.569 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 643610

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	29.6
203	17.2	0.0	37.2

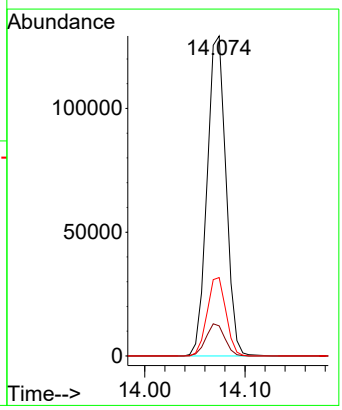


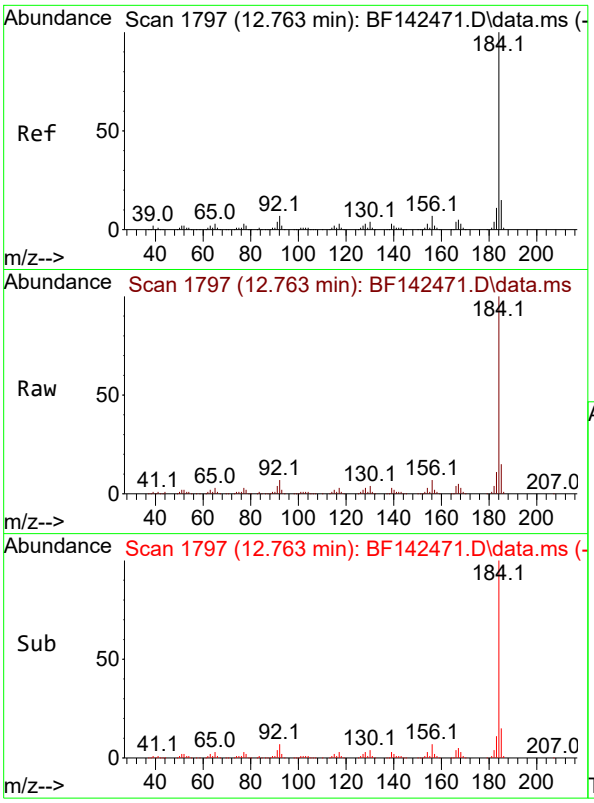


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:240 Resp: 169022

Ion	Ratio	Lower	Upper
240	100		
120	9.4	7.5	11.3
236	24.5	19.6	29.4



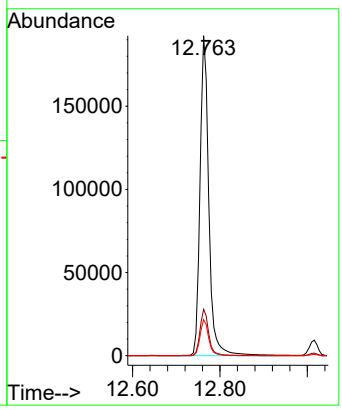


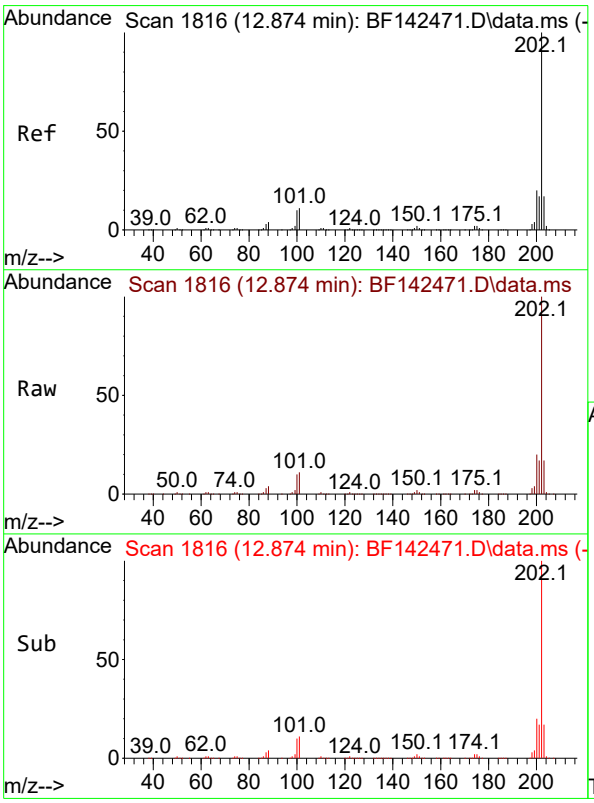
#77
Benzidine
Concen: 42.816 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 269307

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.6	17.4
183	11.2	9.0	13.4

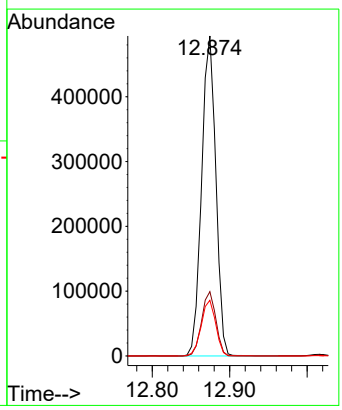


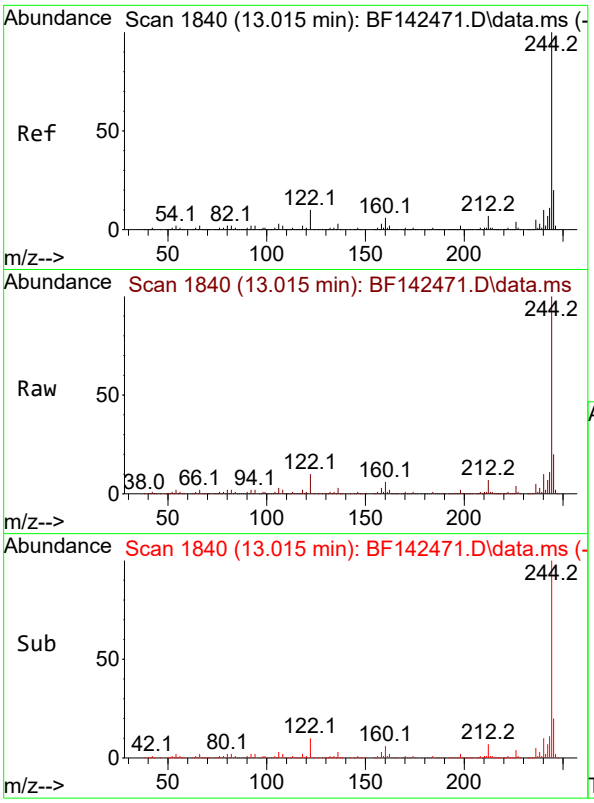


#78
Pyrene
Concen: 39.853 ng
RT: 12.874 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:202 Resp: 628371

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.1	24.1
203	17.4	13.9	20.9



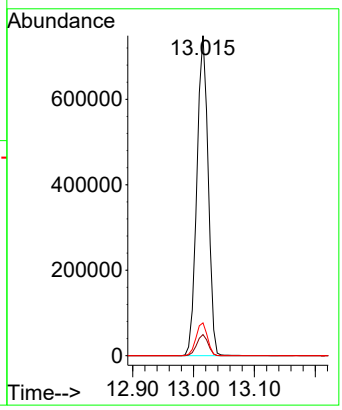


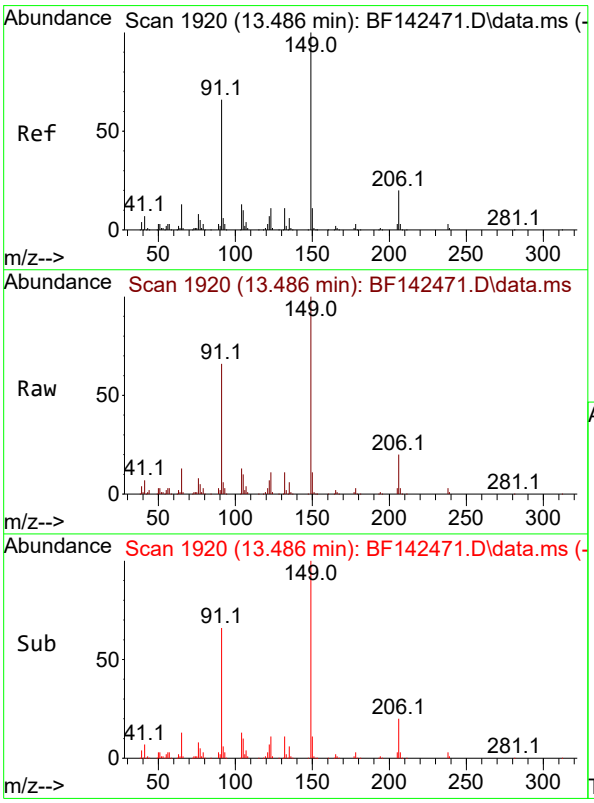
#79
Terphenyl-d14
Concen: 77.802 ng
RT: 13.015 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 962300

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	10.2	8.2	12.2

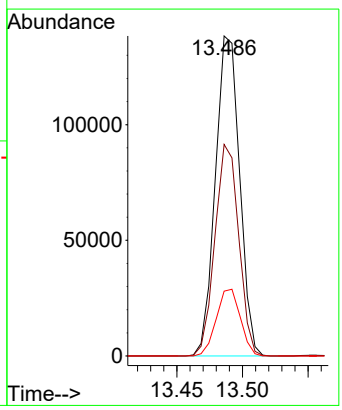


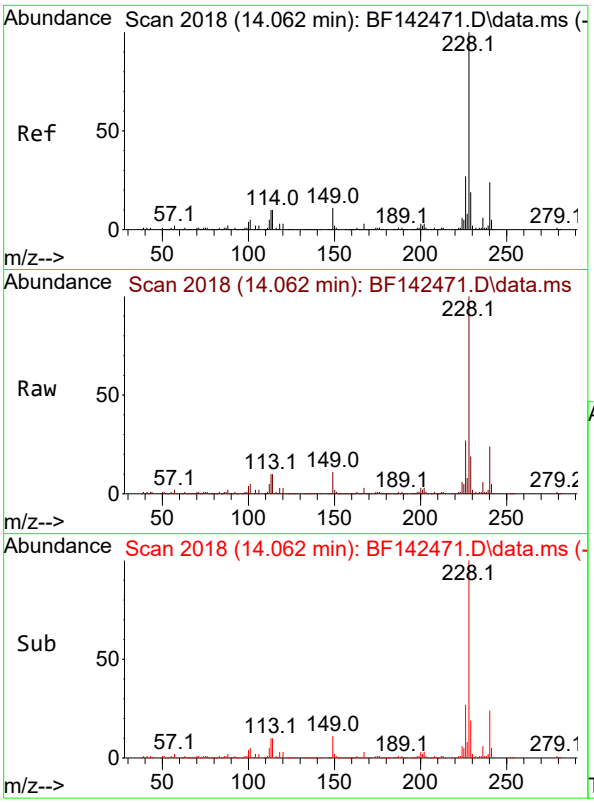


#80
Butylbenzylphthalate
Concen: 40.819 ng
RT: 13.486 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:149 Resp: 177841

Ion	Ratio	Lower	Upper
149	100		
91	66.1	52.9	79.3
206	20.2	16.2	24.2



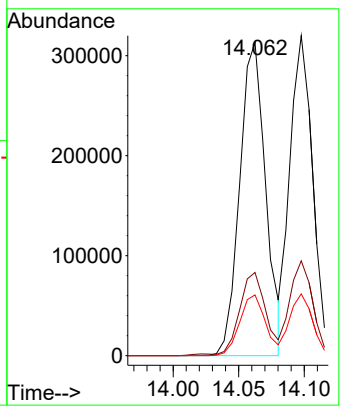


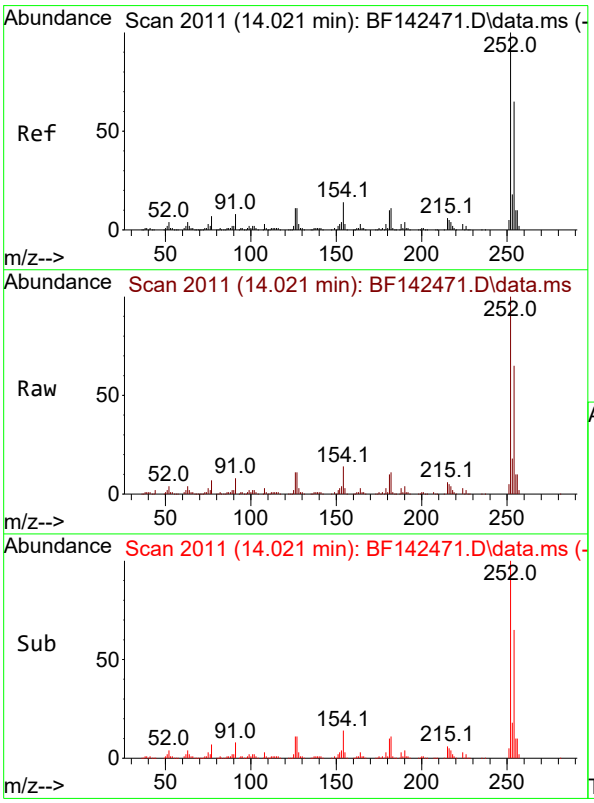
#81
Benzo(a)anthracene
Concen: 38.276 ng
RT: 14.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 431998

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.2	31.8
229	19.4	15.5	23.3

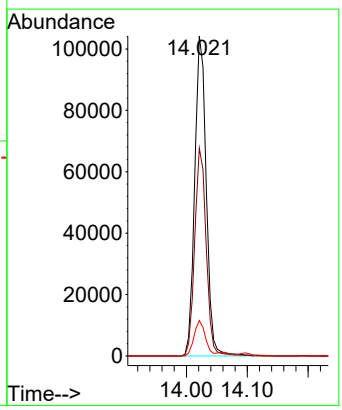


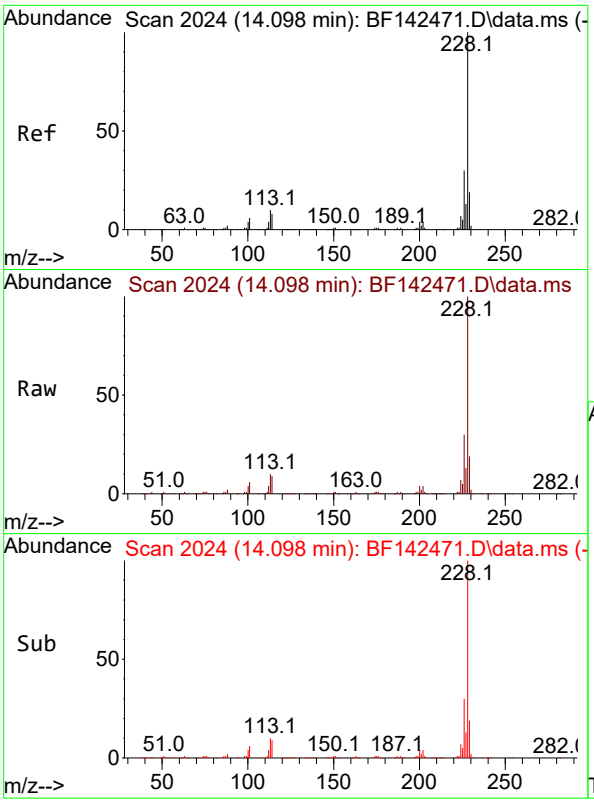


#82
3,3'-Dichlorobenzidine
Concen: 40.148 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:252 Resp: 137438

Ion	Ratio	Lower	Upper
252	100		
254	65.0	52.0	78.0
126	11.1	8.9	13.3



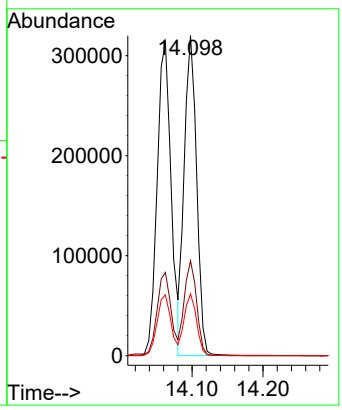


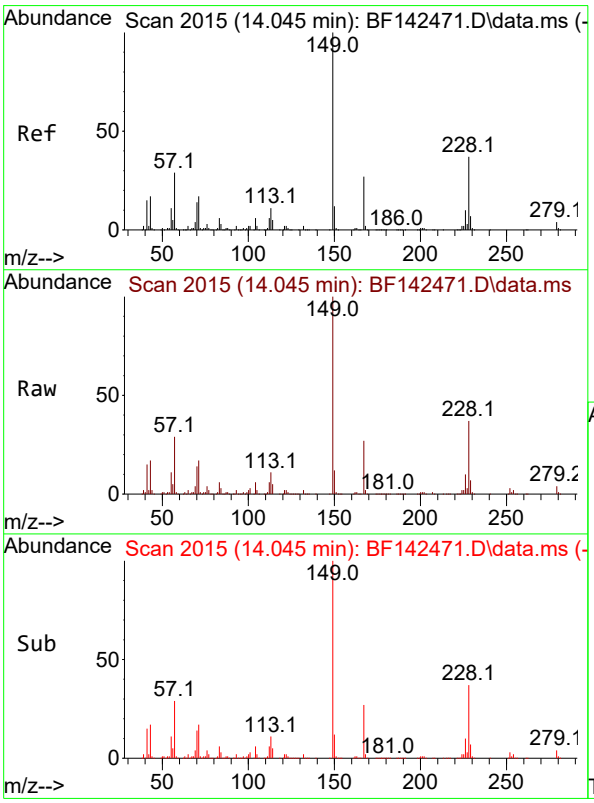
#83
Chrysene
Concen: 38.168 ng
RT: 14.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 387081

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.8	35.6
229	19.3	15.4	23.2

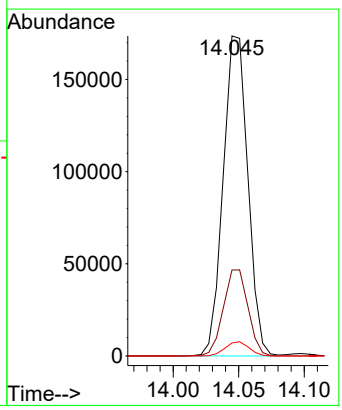


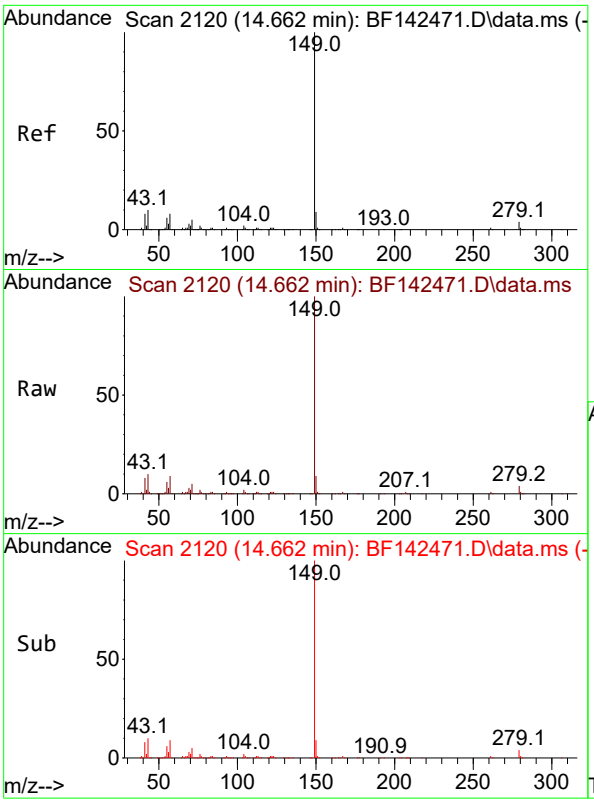


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.800 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:149 Resp: 227555

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.5	32.3
279	4.0	3.2	4.8



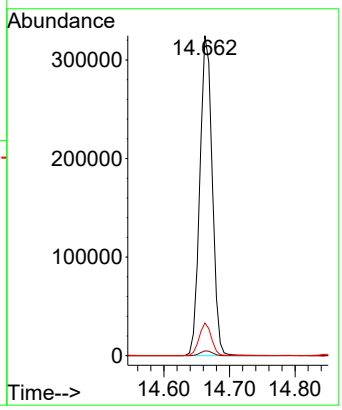


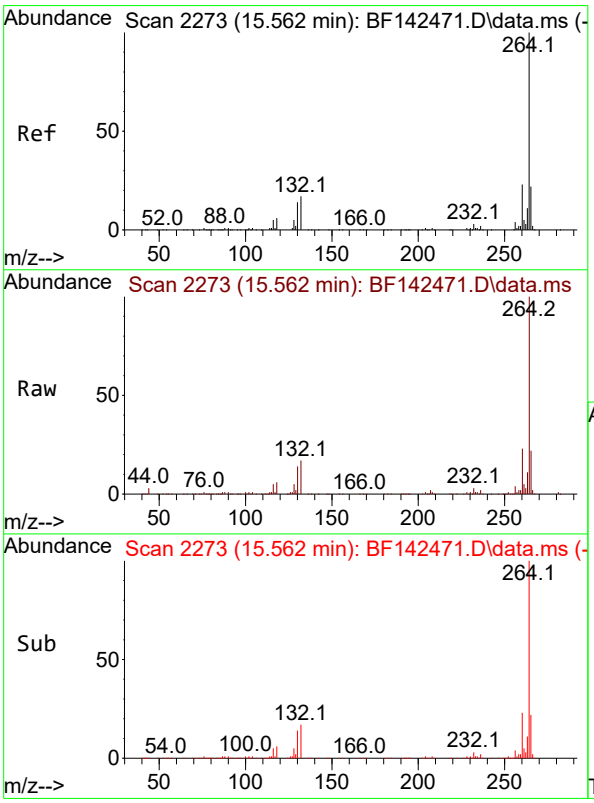
#85
Di-n-octyl phthalate
Concen: 39.246 ng
RT: 14.662 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 427995

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.9	7.9	11.9

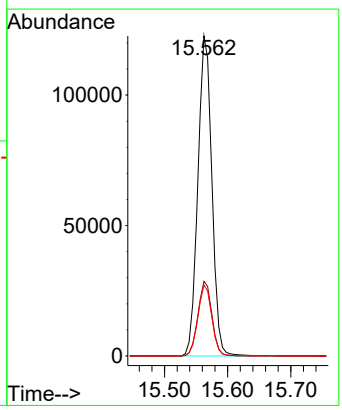


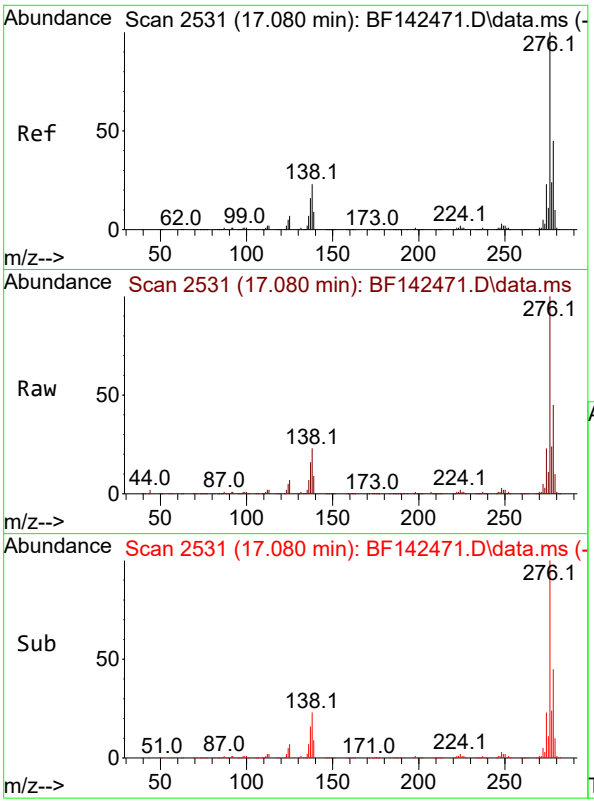


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:264 Resp: 189289

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	22.1	17.7	26.5



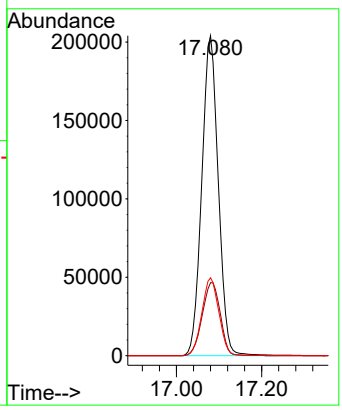


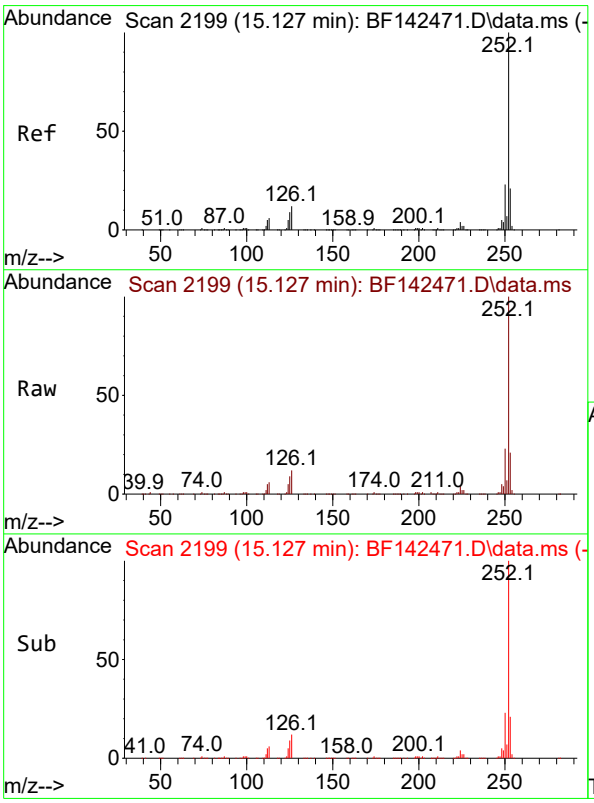
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.584 ng
RT: 17.080 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 548309

Ion	Ratio	Lower	Upper
276	100		
138	24.9	19.9	29.9
277	25.2	20.2	30.2

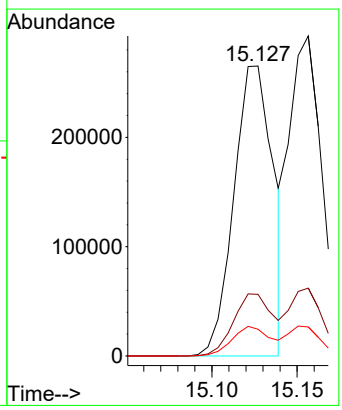


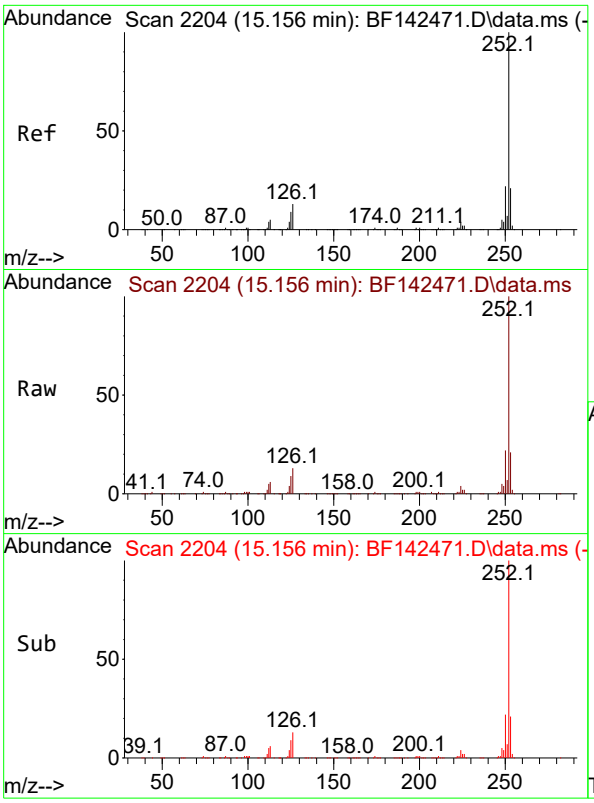


#88
Benzo(b)fluoranthene
Concen: 38.041 ng
RT: 15.127 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:252 Resp: 426174

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.0	25.4
125	9.2	7.4	11.0



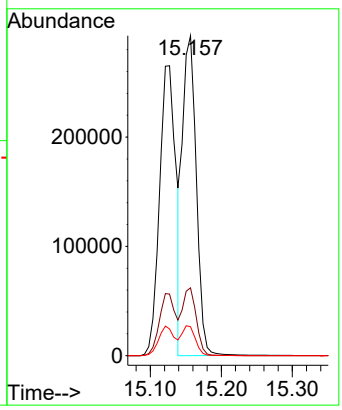


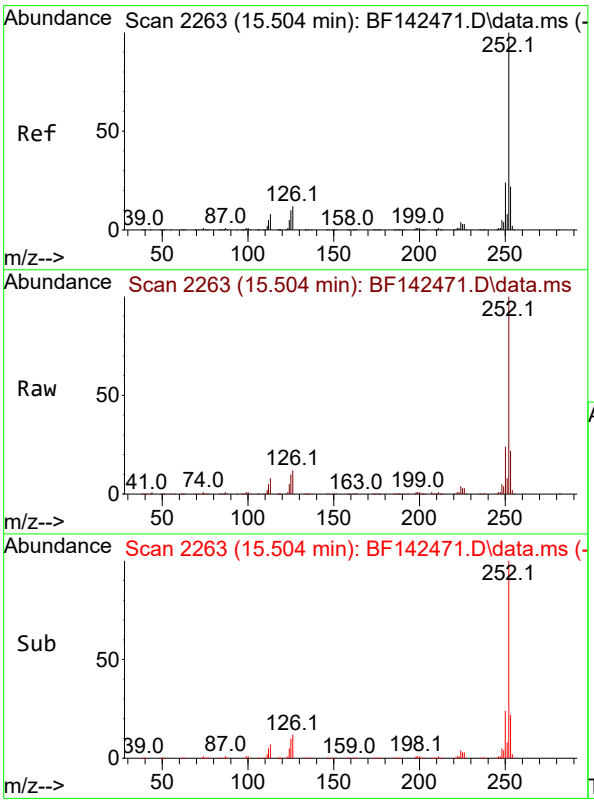
#89
Benzo(k)fluoranthene
Concen: 37.603 ng
RT: 15.156 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 394567

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.0	25.4
125	9.1	7.3	10.9

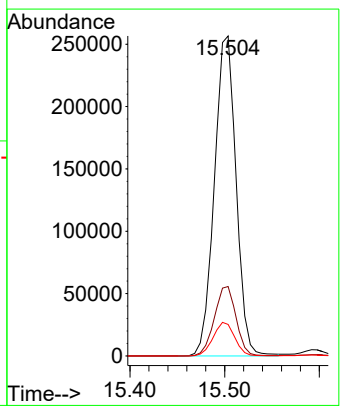


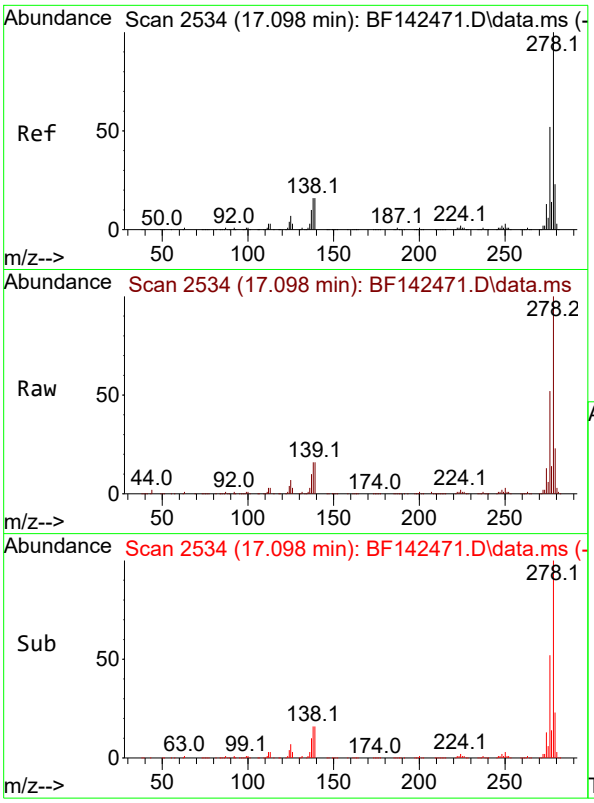


#90
Benzo(a)pyrene
Concen: 38.761 ng
RT: 15.504 min Scan# 2263
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:252 Resp: 409312

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	9.9	7.9	11.9



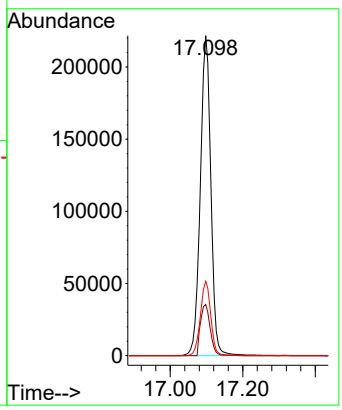


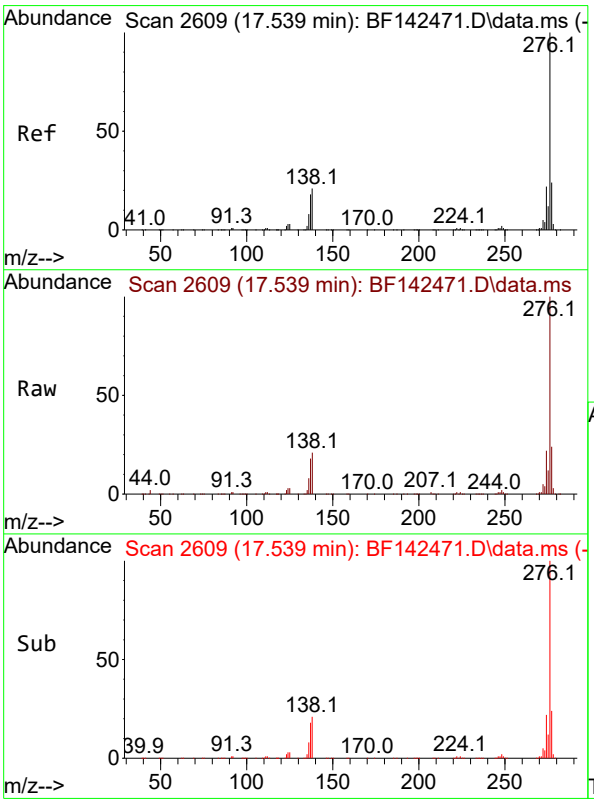
#91
Dibenzo(a,h)anthracene
Concen: 38.903 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 448372

Ion	Ratio	Lower	Upper
278	100		
139	16.0	12.8	19.2
279	23.3	18.6	28.0

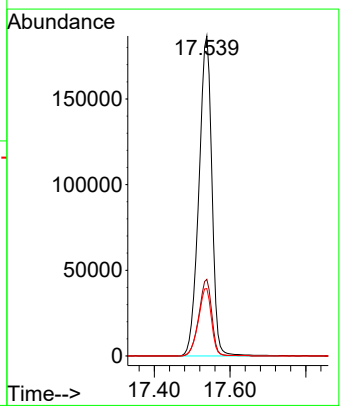




#92
Benzo(g,h,i)perylene
Concen: 38.747 ng
RT: 17.539 min Scan# 2609
Delta R.T. -0.018 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:276 Resp: 446674

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	21.0	16.8	25.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142472.D
Acq On : 20 May 2025 14:34
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: May 20 16:55:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	86396	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	336796	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	181409	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	301685	20.000	ng	0.00
76) Chrysene-d12	14.074	240	149689	20.000	ng	0.00
86) Perylene-d12	15.562	264	171586	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	526965	102.760	ng	0.00
7) Phenol-d6	6.528	99	633841	102.679	ng	0.00
23) Nitrobenzene-d5	7.469	82	643186	104.135	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	211319	104.956	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1342037	99.269	ng	0.00
79) Terphenyl-d14	13.016	244	1116751	101.951	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.669	88	107972	52.616	ng	99
3) Pyridine	3.434	79	275005	52.626	ng	99
4) n-Nitrosodimethylamine	3.393	42	145296	53.550	ng	99
6) Aniline	6.563	93	430377	51.852	ng	99
8) 2-Chlorophenol	6.687	128	288948	51.731	ng	99
9) Benzaldehyde	6.451	77	188241	50.700	ng	98
10) Phenol	6.540	94	357896	51.526	ng	99
11) bis(2-Chloroethyl)ether	6.634	93	261046	52.210	ng	100
12) 1,3-Dichlorobenzene	6.845	146	320095	51.357	ng	99
13) 1,4-Dichlorobenzene	6.922	146	322871	51.427	ng	99
14) 1,2-Dichlorobenzene	7.075	146	309332	51.491	ng	100
15) Benzyl Alcohol	7.040	79	244326	53.559	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.175	45	434451	51.741	ng	100
17) 2-Methylphenol	7.151	107	227385	52.141	ng	99
18) Hexachloroethane	7.416	117	114346	52.159	ng	99
19) n-Nitroso-di-n-propyla...	7.316	70	197020	51.498	ng	99
20) 3+4-Methylphenols	7.304	107	288829	51.719	ng	91
22) Acetophenone	7.310	105	380175	50.992	ng	97
24) Nitrobenzene	7.487	77	288748	51.834	ng	99
25) Isophorone	7.728	82	536829	51.985	ng	99
26) 2-Nitrophenol	7.798	139	159779	53.679	ng	99
27) 2,4-Dimethylphenol	7.834	122	273604	52.123	ng	98
28) bis(2-Chloroethoxy)met...	7.934	93	329256	51.041	ng	100
29) 2,4-Dichlorophenol	8.039	162	252244	52.840	ng	100
30) 1,2,4-Trichlorobenzene	8.128	180	269064	51.934	ng	97
31) Naphthalene	8.210	128	847571	51.109	ng	100
32) Benzoic acid	7.951	122	177379	55.512	ng	98
33) 4-Chloroaniline	8.257	127	349678	52.037	ng	99
34) Hexachlorobutadiene	8.328	225	166363	51.428	ng	98
35) Caprolactam	8.628	113	71458	53.297	ng	99
36) 4-Chloro-3-methylphenol	8.733	107	253726	51.862	ng	99
37) 2-Methylnaphthalene	8.898	142	531122	50.907	ng	100
38) 1-Methylnaphthalene	8.998	142	547258	50.711	ng	100
40) 1,2,4,5-Tetrachloroben...	9.063	216	268407	51.543	ng	99
41) Hexachlorocyclopentadiene	9.051	237	195080	55.532	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	184076	52.421	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142472.D
Acq On : 20 May 2025 14:34
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: May 20 16:55:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	198266	53.537	ng	99
46) 1,1'-Biphenyl	9.363	154	723473	51.405	ng	100
47) 2-Chloronaphthalene	9.386	162	536379	51.583	ng	100
48) 2-Nitroaniline	9.481	65	160529	53.410	ng	99
49) Acenaphthylene	9.804	152	906063	51.602	ng	100
50) Dimethylphthalate	9.663	163	619616	51.764	ng	100
51) 2,6-Dinitrotoluene	9.722	165	137090	53.064	ng	98
52) Acenaphthene	9.980	154	554762	51.742	ng	99
53) 3-Nitroaniline	9.892	138	149786	53.082	ng	99
54) 2,4-Dinitrophenol	9.998	184	76730	57.487	ng	95
55) Dibenzofuran	10.151	168	787446	51.038	ng	100
56) 4-Nitrophenol	10.045	139	114198	54.849	ng	99
57) 2,4-Dinitrotoluene	10.128	165	180417	53.473	ng	100
58) Fluorene	10.492	166	608966	51.090	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.263	232	163539	52.897	ng	98
60) Diethylphthalate	10.363	149	608941	52.089	ng	99
61) 4-Chlorophenyl-phenyle...	10.480	204	296264	50.597	ng	99
62) 4-Nitroaniline	10.510	138	133141	52.024	ng	98
63) Azobenzene	10.645	77	542894	51.703	ng	100
65) 4,6-Dinitro-2-methylph...	10.533	198	97203	57.734	ng	98
66) n-Nitrosodiphenylamine	10.604	169	525974	50.960	ng	100
67) 4-Bromophenyl-phenylether	10.975	248	185711	52.061	ng	99
68) Hexachlorobenzene	11.039	284	205759	52.151	ng	100
69) Atrazine	11.127	200	147922	53.966	ng	99
70) Pentachlorophenol	11.233	266	122184	54.852	ng	99
71) Phenanthrene	11.457	178	818043	50.739	ng	100
72) Anthracene	11.510	178	837242	50.882	ng	99
73) Carbazole	11.663	167	716381	50.927	ng	100
74) Di-n-butylphthalate	11.986	149	798451	51.856	ng	100
75) Fluoranthene	12.645	202	752083	49.923	ng	100
77) Benzidine	12.763	184	301122	54.058	ng	99
78) Pyrene	12.874	202	733277	52.513	ng	100
80) Butylbenzylphthalate	13.492	149	215174	55.767	ng	97
81) Benzo(a)anthracene	14.063	228	520525	52.076	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	166223	54.828	ng	99
83) Chrysene	14.098	228	469491	52.273	ng	100
84) Bis(2-ethylhexyl)phtha...	14.051	149	286151	57.932	ng	100
85) Di-n-octyl phthalate	14.663	149	535844	55.482	ng	100
87) Indeno(1,2,3-cd)pyrene	17.080	276	679247	52.730	ng	99
88) Benzo(b)fluoranthene	15.127	252	518544	51.062	ng	99
89) Benzo(k)fluoranthene	15.157	252	505348	53.130	ng	99
90) Benzo(a)pyrene	15.504	252	508303	53.101	ng	100
91) Dibenzo(a,h)anthracene	17.104	278	553351	52.964	ng	100
92) Benzo(g,h,i)perylene	17.545	276	557271	53.328	ng	99

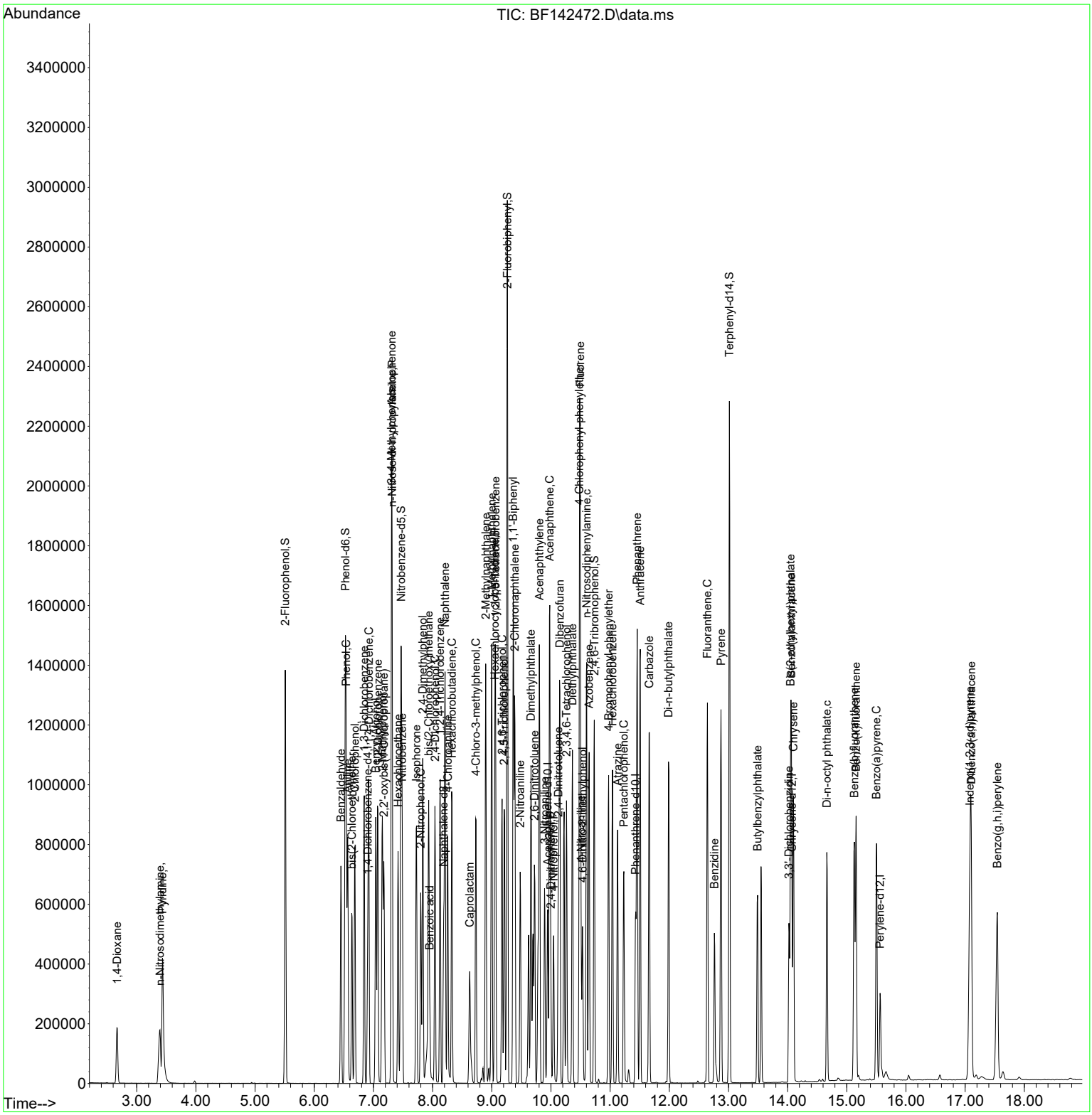
(#) = qualifier out of range (m) = manual integration (+) = signals summed

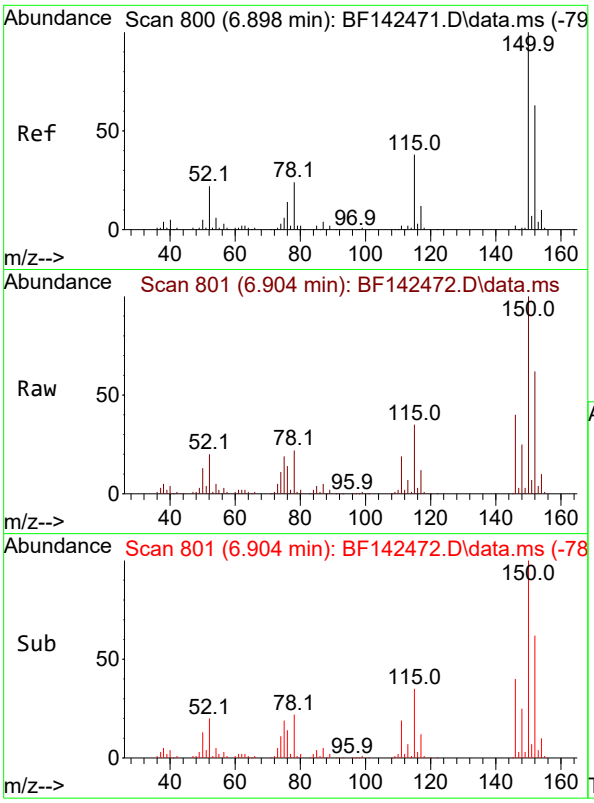
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142472.D
Acq On : 20 May 2025 14:34
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: May 20 16:55:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



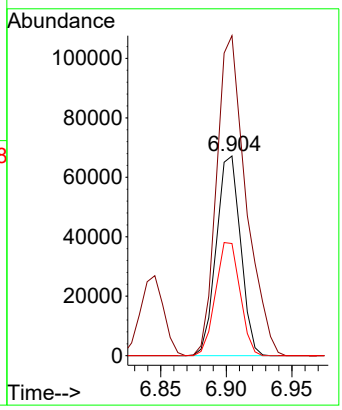


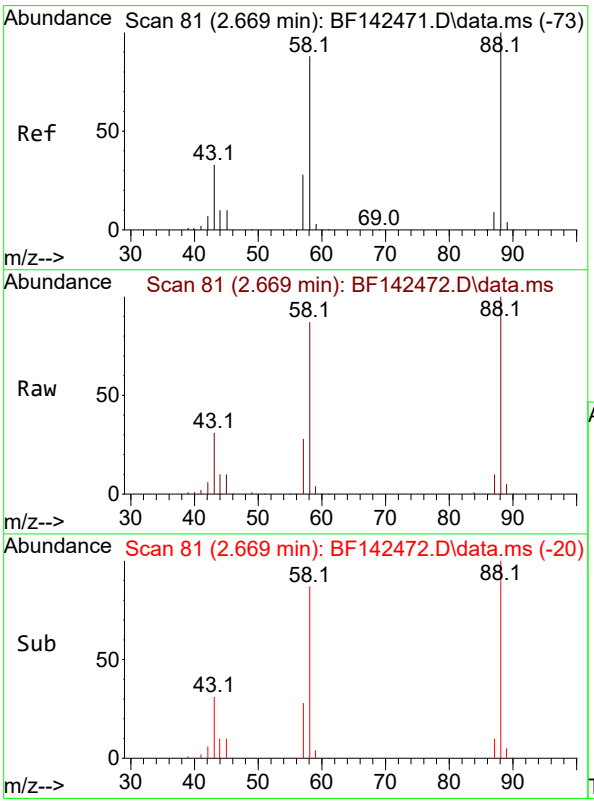
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 86396

Ion	Ratio	Lower	Upper
152	100		
150	160.3	128.2	192.4
115	56.1	48.3	72.5

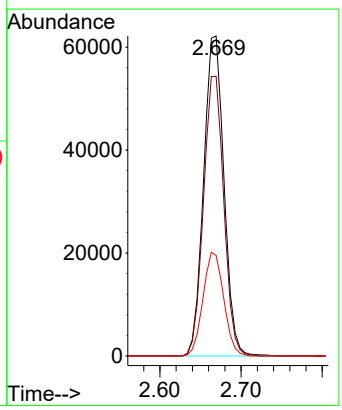


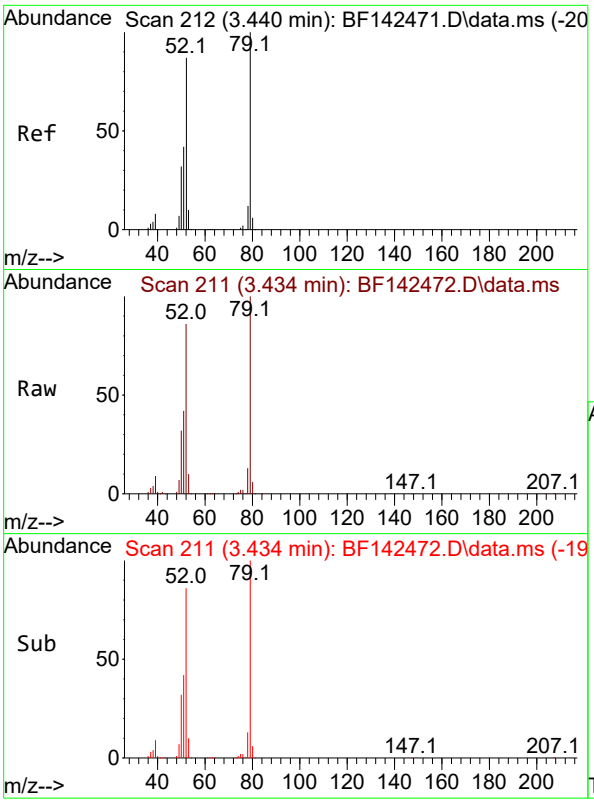


#2
1,4-Dioxane
Concen: 52.616 ng
RT: 2.669 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion: 88 Resp: 107972

Ion	Ratio	Lower	Upper
88	100		
58	87.2	70.8	106.2
43	33.0	26.6	40.0



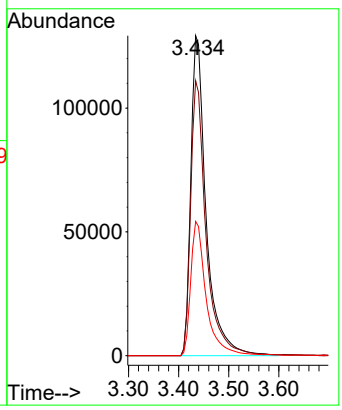


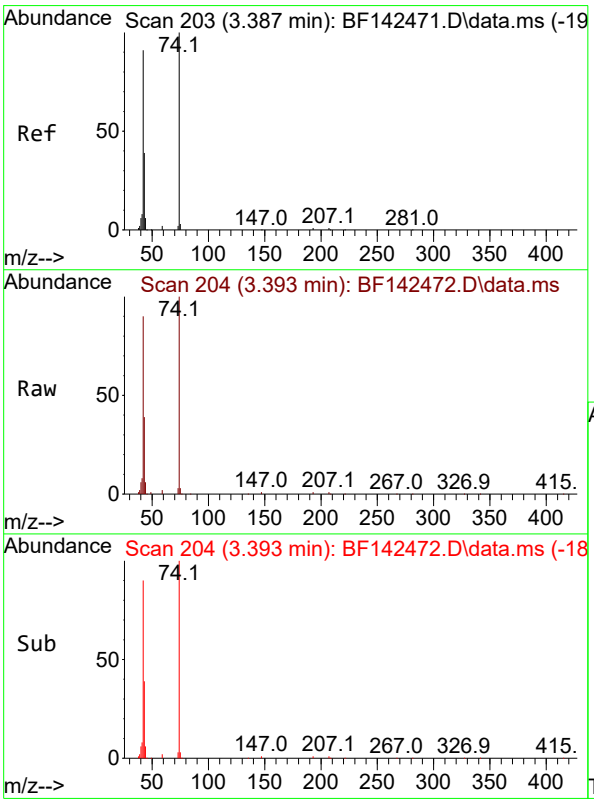
#3
Pyridine
Concen: 52.626 ng
RT: 3.434 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 275005

Ion	Ratio	Lower	Upper
79	100		
52	85.9	69.2	103.8
51	41.9	33.3	49.9

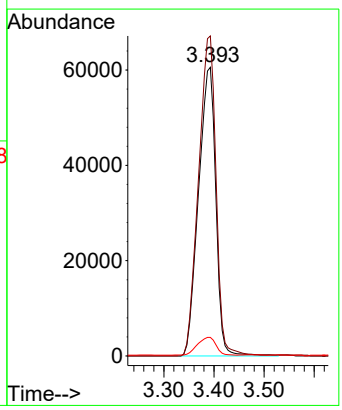


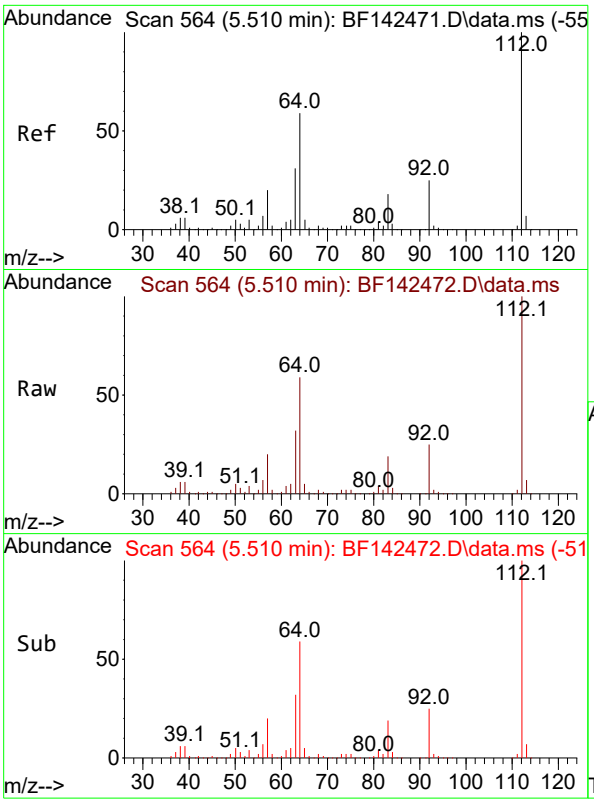


#4
n-Nitrosodimethylamine
Concen: 53.550 ng
RT: 3.393 min Scan# 204
Delta R.T. -0.012 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion: 42 Resp: 145296

Ion	Ratio	Lower	Upper
42	100		
74	110.9	88.2	132.4
44	6.4	5.4	8.2



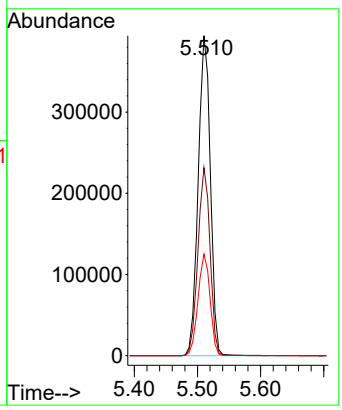


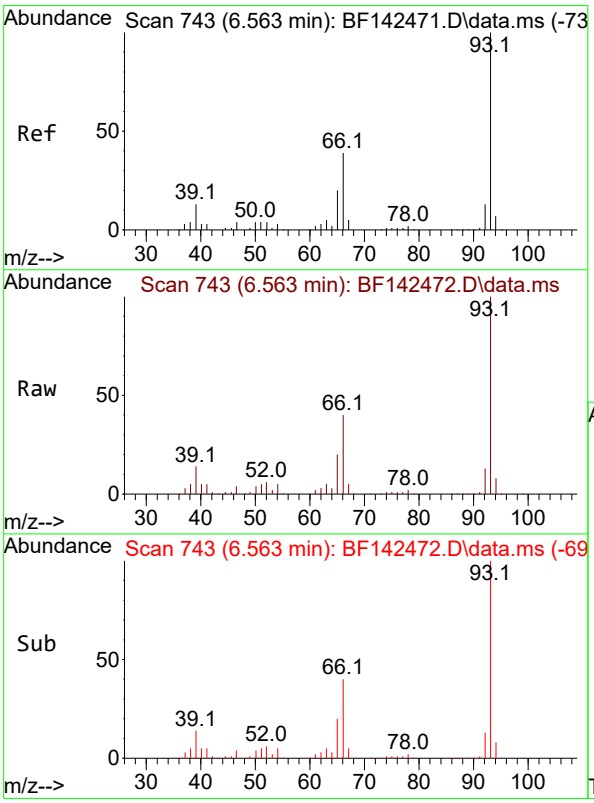
#5
2-Fluorophenol
Concen: 102.760 ng
RT: 5.510 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 526965

Ion	Ratio	Lower	Upper
112	100		
64	58.8	47.5	71.3
63	31.8	24.9	37.3

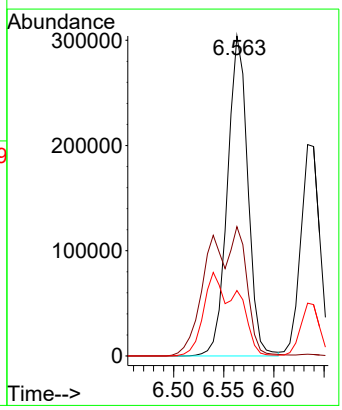


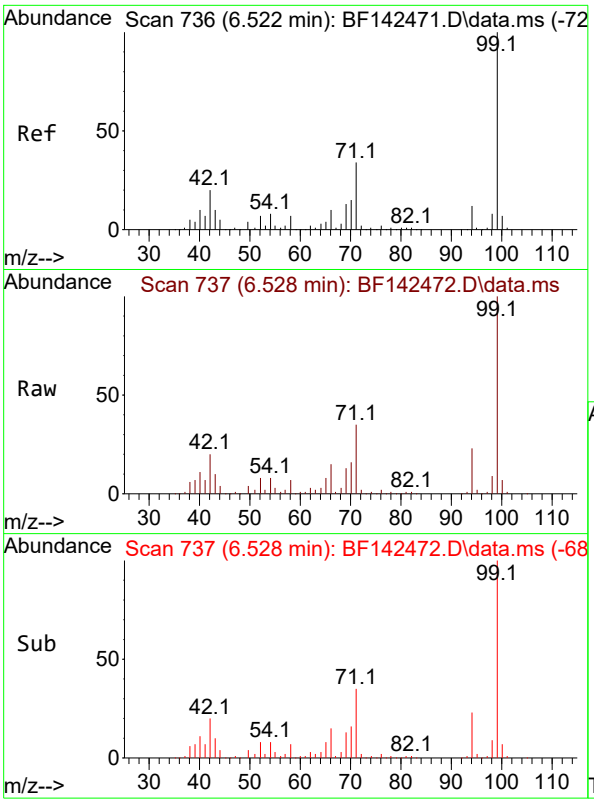


#6
Aniline
Concen: 51.852 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion: 93 Resp: 430377

Ion	Ratio	Lower	Upper
93	100		
66	40.4	32.0	48.0
65	20.4	16.1	24.1



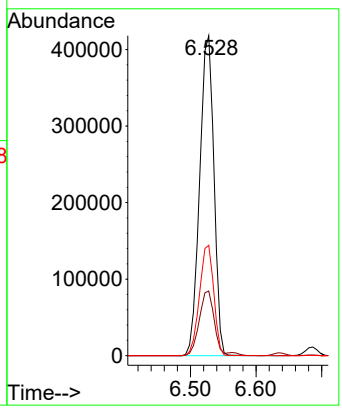


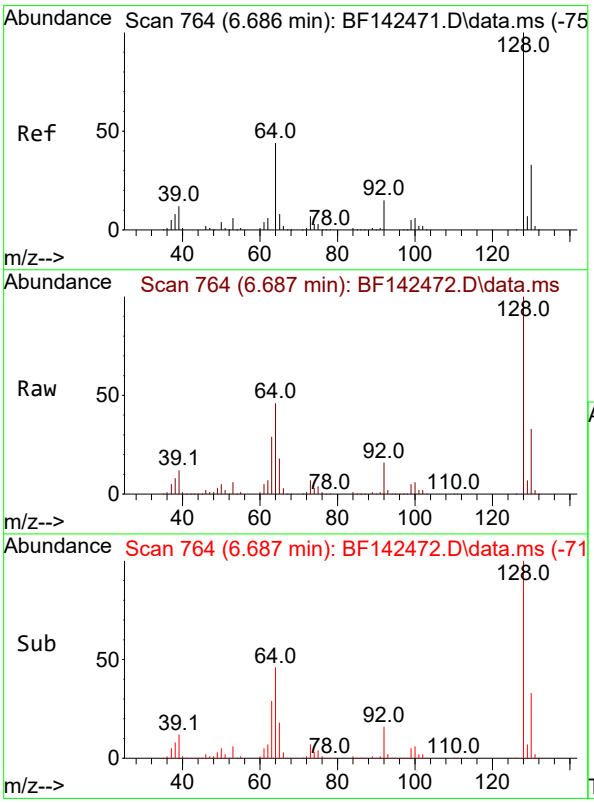
#7
Phenol-d6
Concen: 102.679 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 633841

Ion	Ratio	Lower	Upper
99	100		
42	20.2	16.2	24.2
71	34.5	27.3	40.9

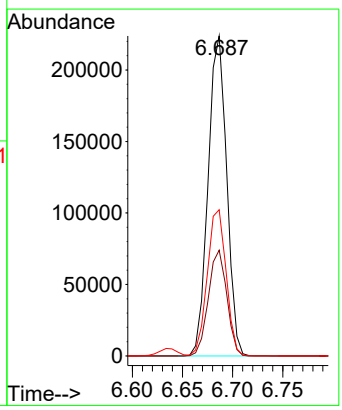


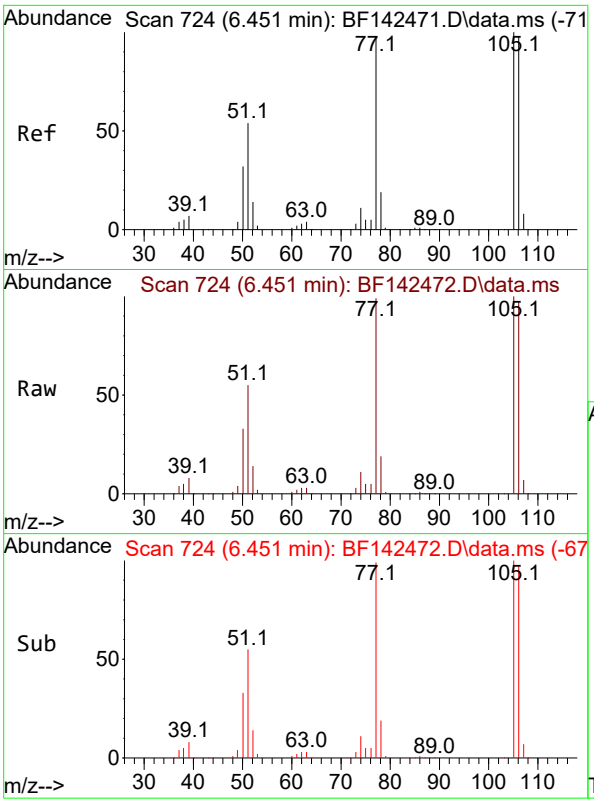


#8
2-Chlorophenol
Concen: 51.731 ng
RT: 6.687 min Scan# 764
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:128 Resp: 288948

Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.6	52.6
64	45.7	25.1	65.1



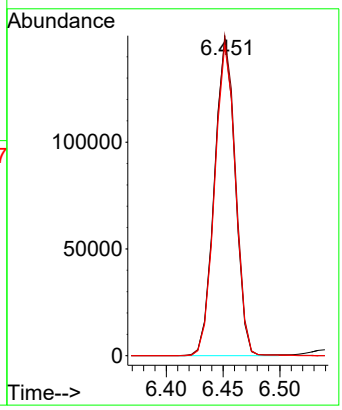


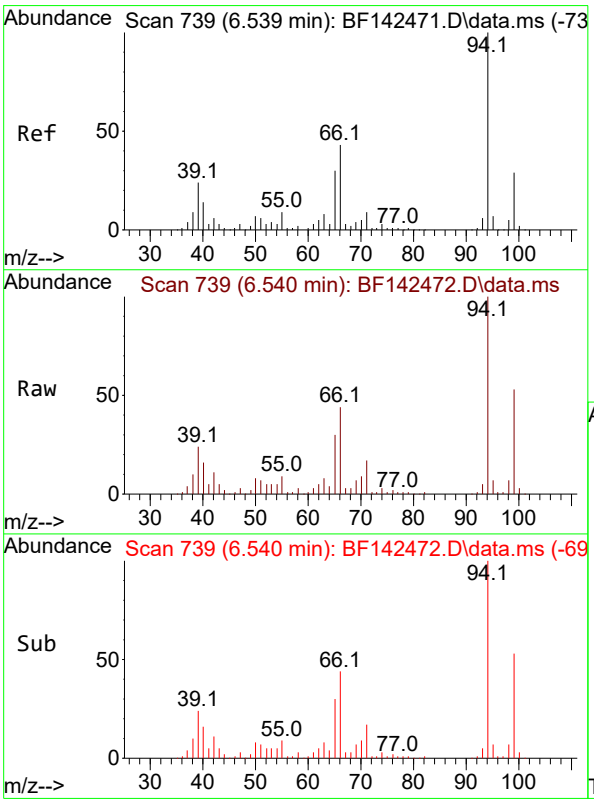
#9
Benzaldehyde
Concen: 50.700 ng
RT: 6.451 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 188241

Ion	Ratio	Lower	Upper
77	100		
105	100.9	82.5	122.5
106	98.0	80.0	120.0

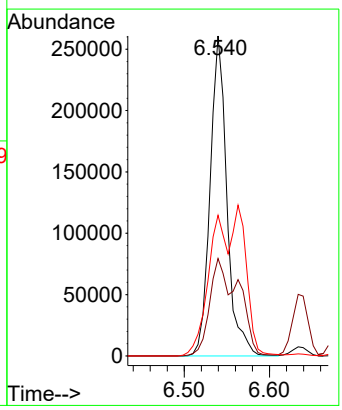


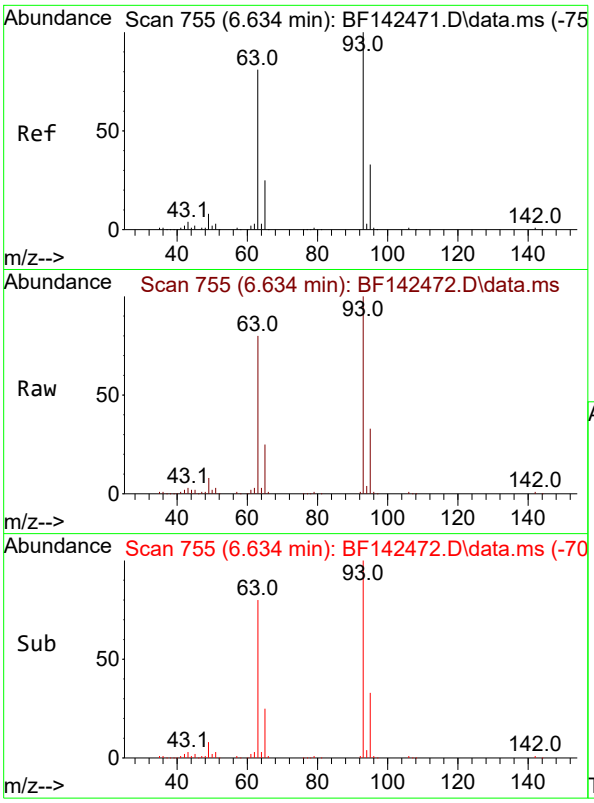


#10
Phenol
Concen: 51.526 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion: 94 Resp: 357896

Ion	Ratio	Lower	Upper
94	100		
65	30.4	10.3	50.3
66	44.0	22.6	62.6



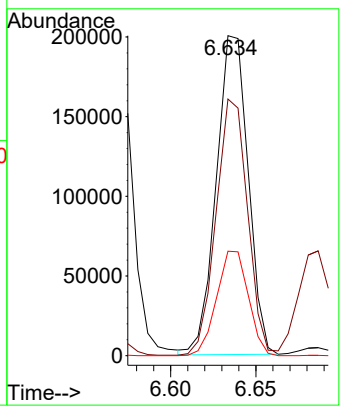


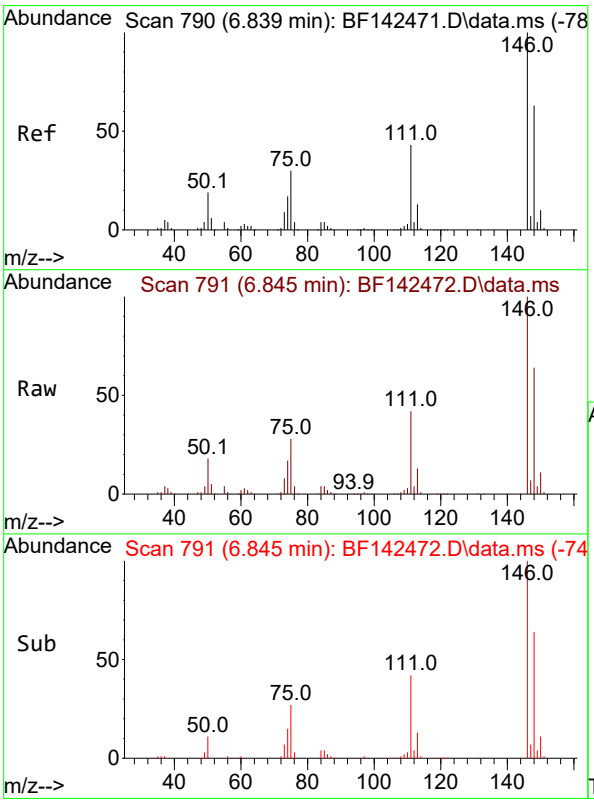
#11
bis(2-Chloroethyl)ether
Concen: 52.210 ng
RT: 6.634 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 261046

Ion	Ratio	Lower	Upper
93	100		
63	80.2	60.2	100.2
95	32.7	12.3	52.3

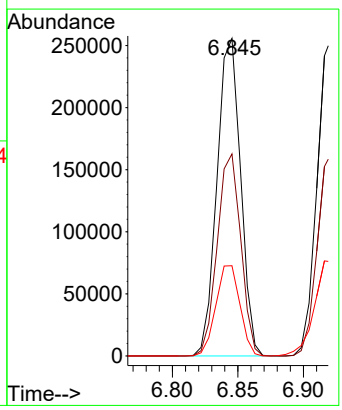


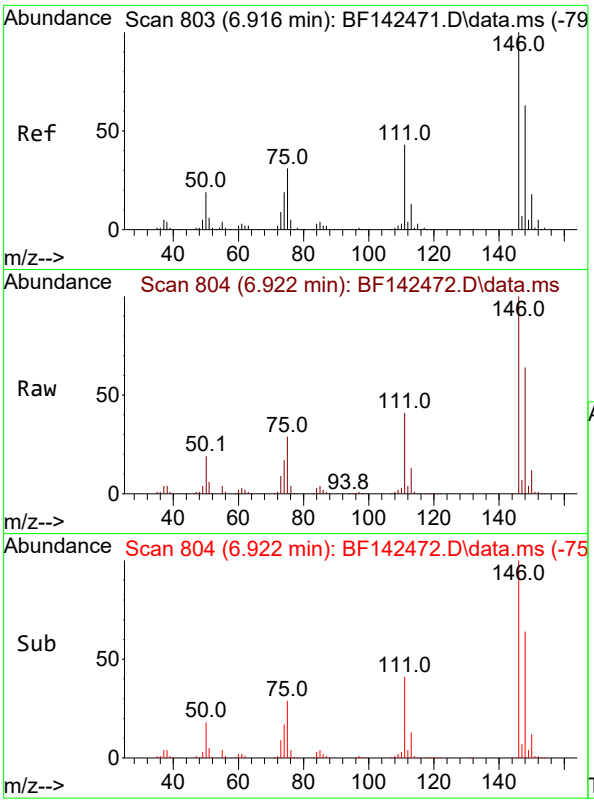


#12
1,3-Dichlorobenzene
Concen: 51.357 ng
RT: 6.845 min Scan# 791
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:146 Resp: 320095

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.6	75.8
75	28.4	23.8	35.6



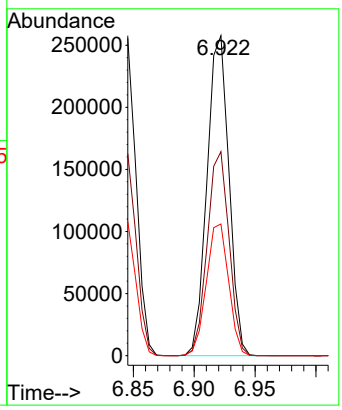


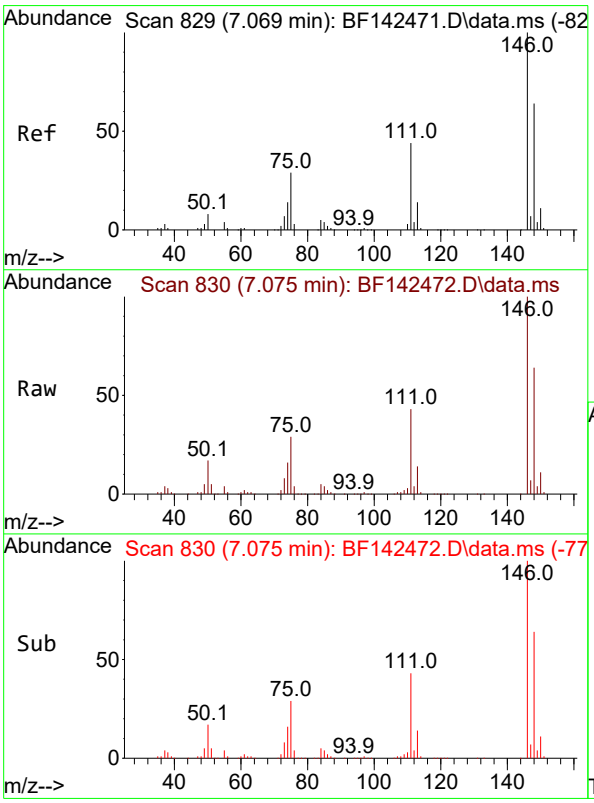
#13
1,4-Dichlorobenzene
Concen: 51.427 ng
RT: 6.922 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 322871

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.4	75.6
111	41.1	34.1	51.1

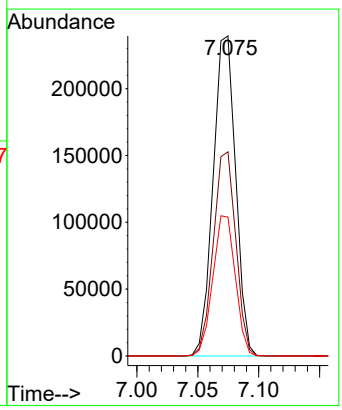


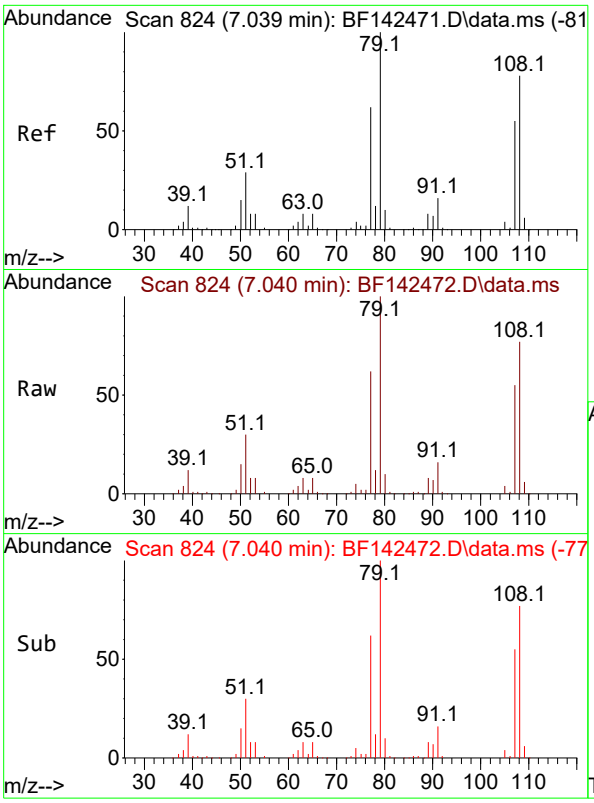


#14
1,2-Dichlorobenzene
Concen: 51.491 ng
RT: 7.075 min Scan# 830
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:146 Resp: 309332

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.4
111	43.4	35.0	52.6



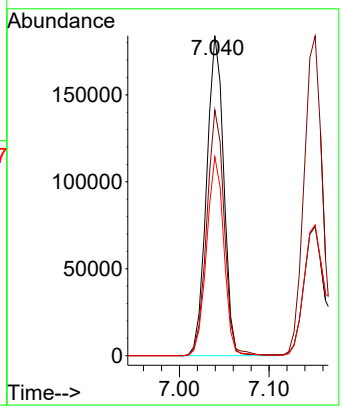


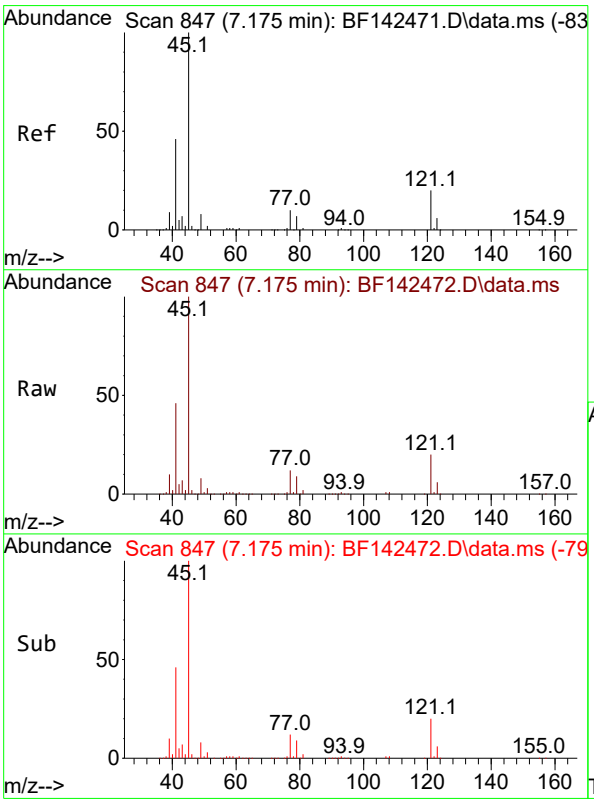
#15
Benzyl Alcohol
Concen: 53.559 ng
RT: 7.040 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 244326

Ion	Ratio	Lower	Upper
79	100		
108	76.8	62.1	93.1
77	62.1	49.5	74.3

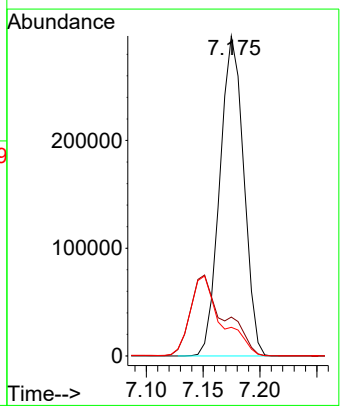


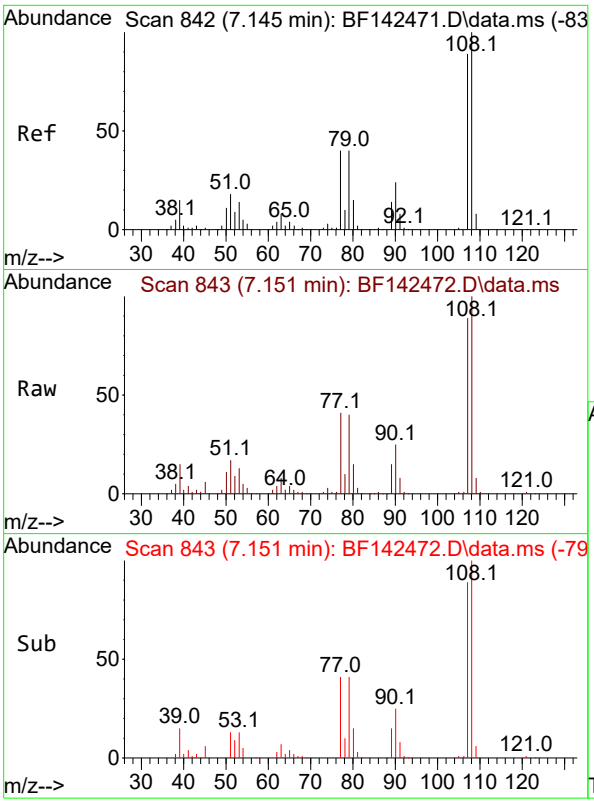


#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.741 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion: 45 Resp: 434451

Ion	Ratio	Lower	Upper
45	100		
77	12.1	0.0	32.0
79	9.0	0.0	29.2



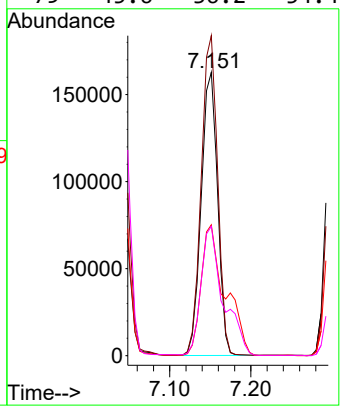


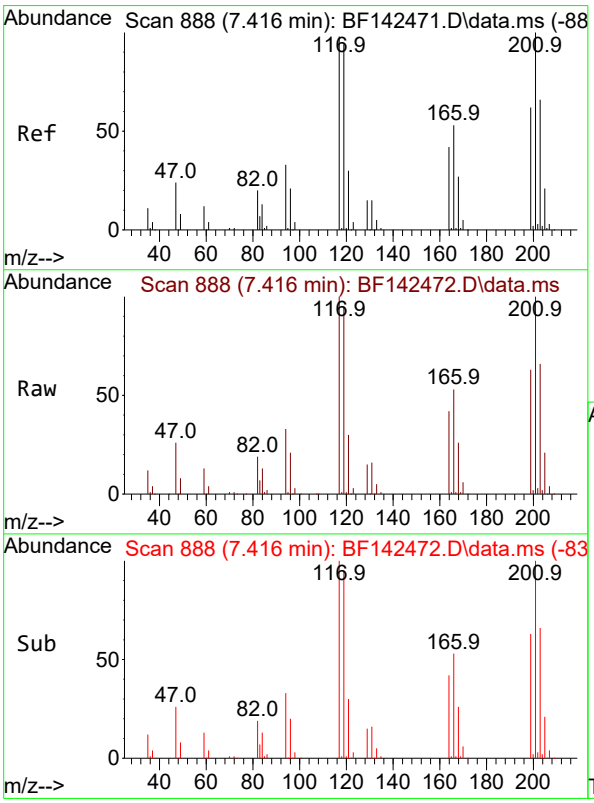
#17
2-Methylphenol
Concen: 52.141 ng
RT: 7.151 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 227385

Ion	Ratio	Lower	Upper
107	100		
108	112.9	90.2	135.2
77	46.2	36.1	54.1
79	45.6	36.2	54.4

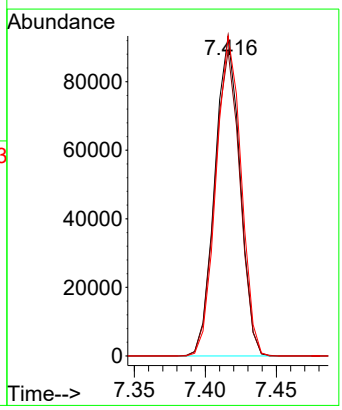


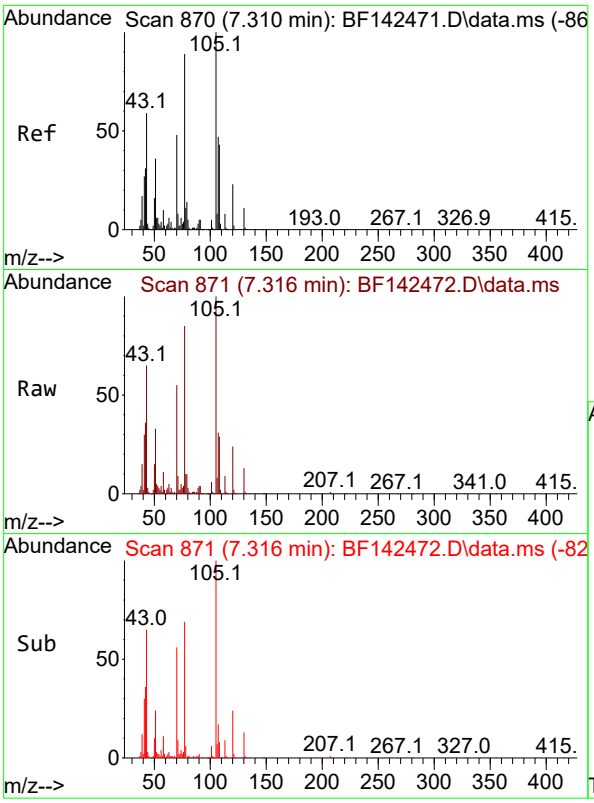


#18
Hexachloroethane
Concen: 52.159 ng
RT: 7.416 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:117 Resp: 114346

Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.6	114.8
201	100.0	81.3	121.9



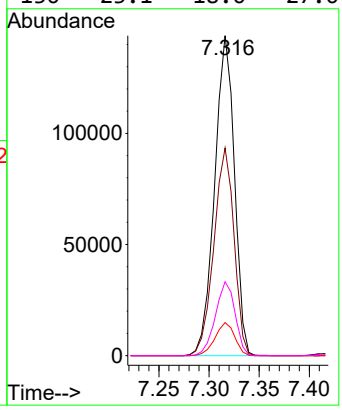


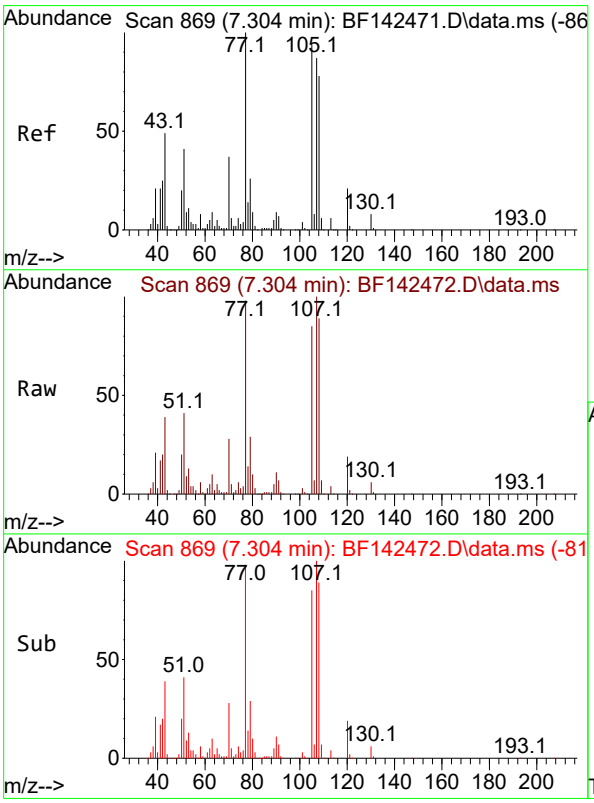
#19
n-Nitroso-di-n-propylamine
Concen: 51.498 ng
RT: 7.316 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 197020

Ion	Ratio	Lower	Upper
70	100		
42	64.9	52.4	78.6
101	10.4	7.8	11.8
130	23.1	18.0	27.0

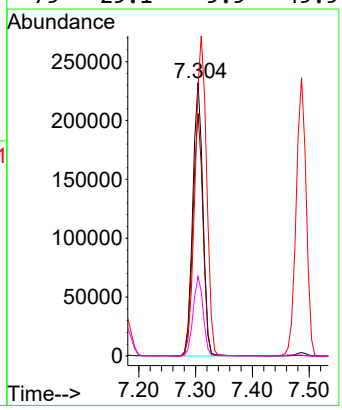


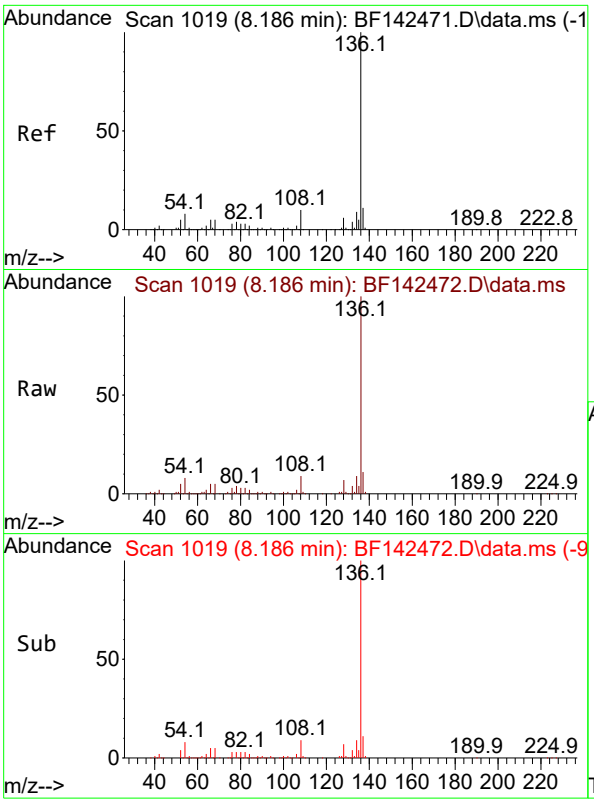


#20
3+4-Methylphenols
Concen: 51.719 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:107 Resp: 288829

Ion	Ratio	Lower	Upper
107	100		
108	88.8	70.4	110.4
77	98.4	95.4	135.4
79	29.1	9.9	49.9



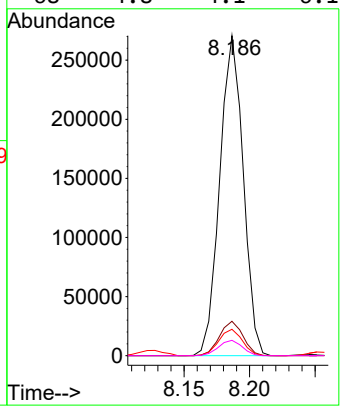


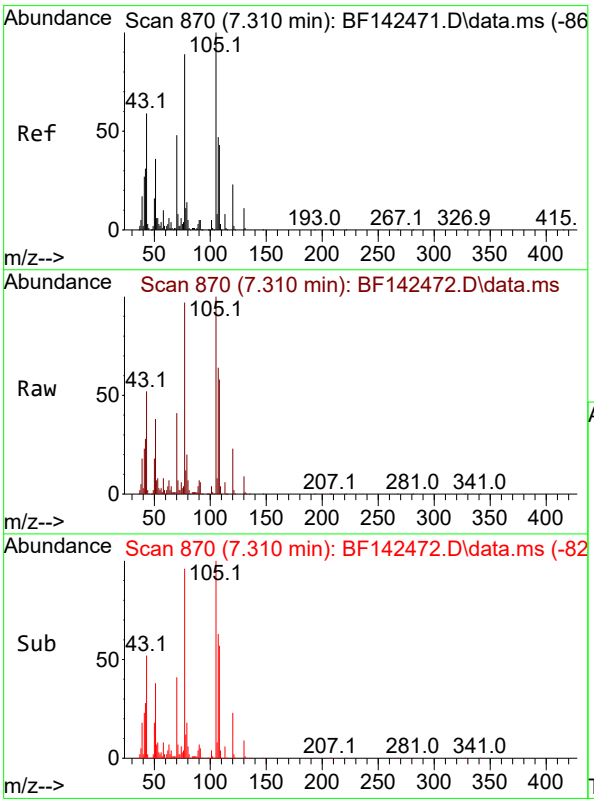
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 336796

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.2	6.6	10.0
68	4.8	4.1	6.1

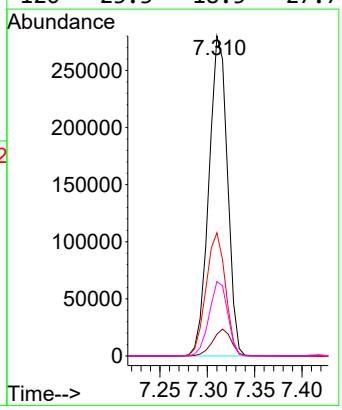


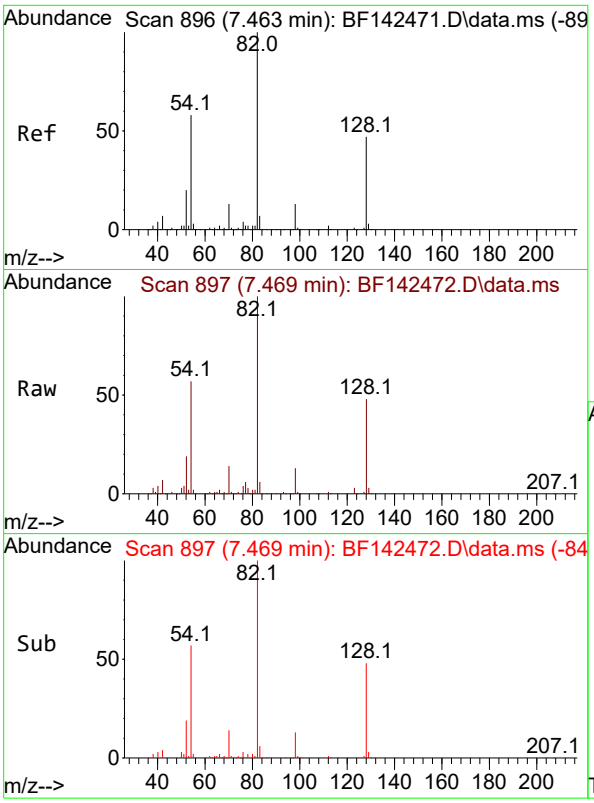


#22
Acetophenone
Concen: 50.992 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:105 Resp: 380175

Ion	Ratio	Lower	Upper
105	100		
71	6.8	6.4	9.6
51	38.5	28.6	42.8
120	23.3	18.5	27.7



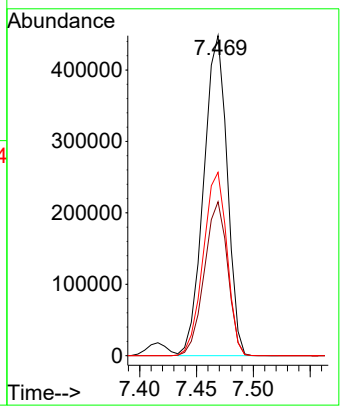


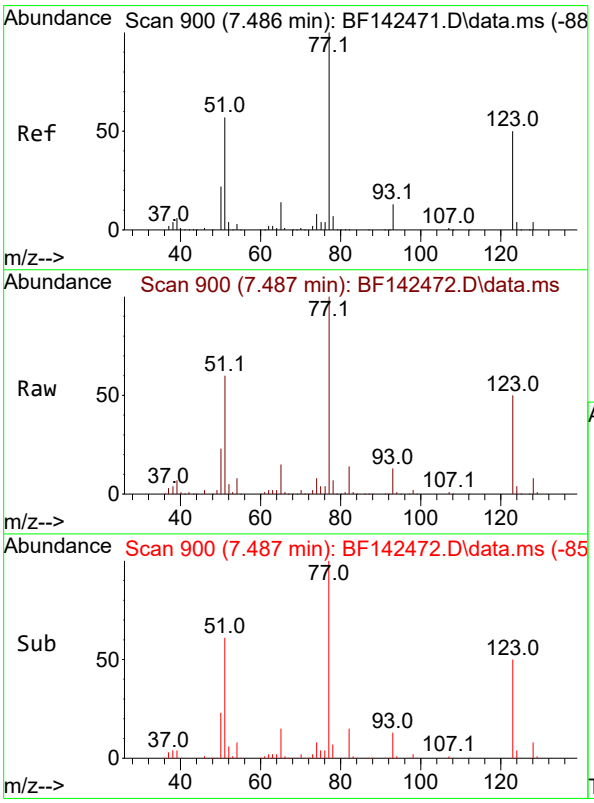
#23
Nitrobenzene-d5
Concen: 104.135 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 643186

Ion	Ratio	Lower	Upper
82	100		
128	48.1	37.4	56.2
54	57.3	46.6	70.0

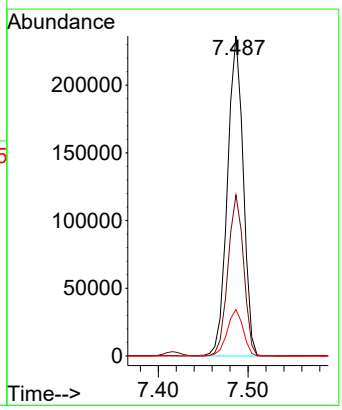


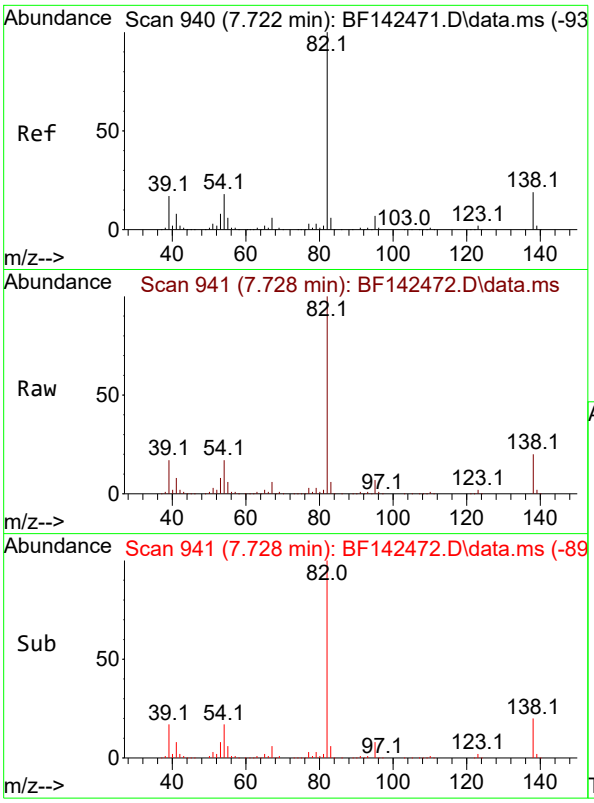


#24
Nitrobenzene
Concen: 51.834 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion: 77 Resp: 288748

Ion	Ratio	Lower	Upper
77	100		
123	50.3	40.6	61.0
65	14.5	11.4	17.2



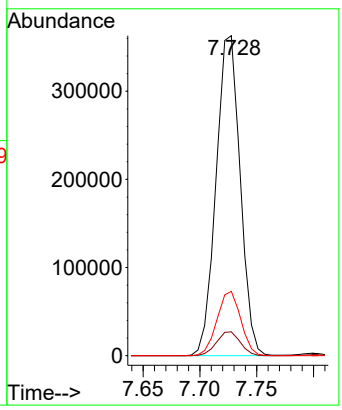


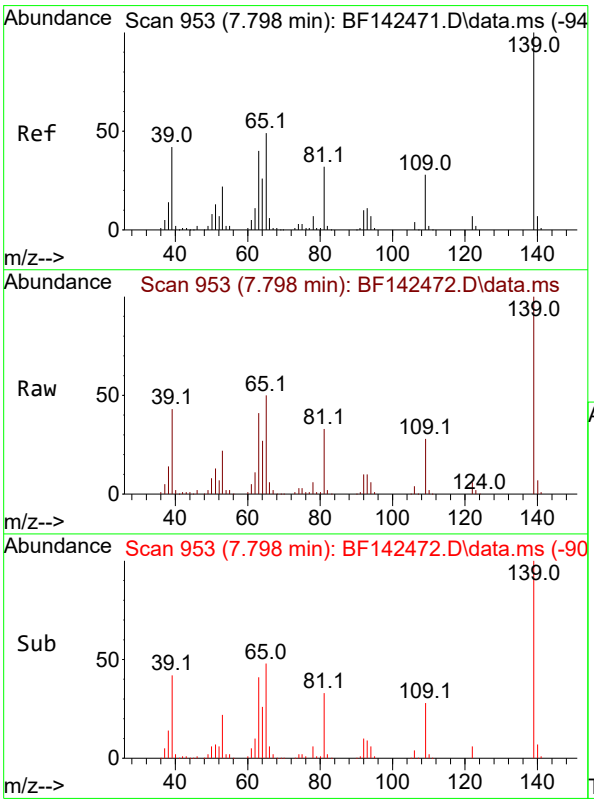
#25
Isophorone
Concen: 51.985 ng
RT: 7.728 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 536829

Ion	Ratio	Lower	Upper
82	100		
95	7.5	6.0	9.0
138	20.1	15.5	23.3

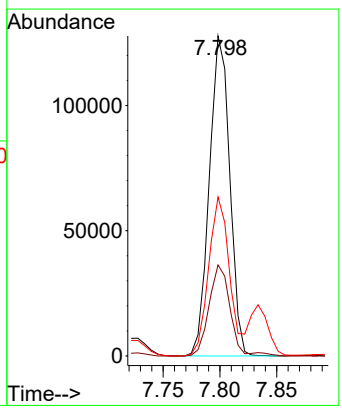


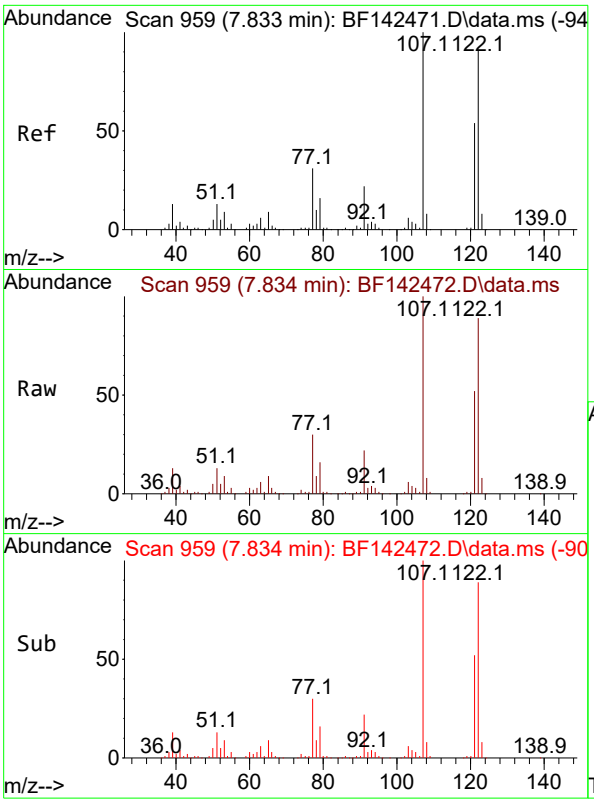


#26
2-Nitrophenol
Concen: 53.679 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:139 Resp: 159779

Ion	Ratio	Lower	Upper
139	100		
109	28.4	22.6	33.8
65	49.6	39.4	59.0



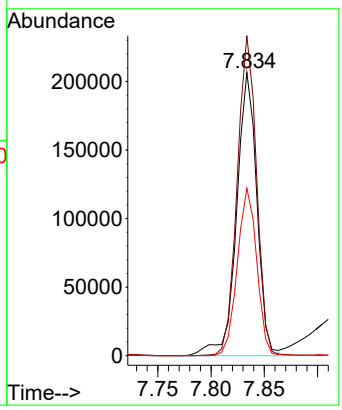


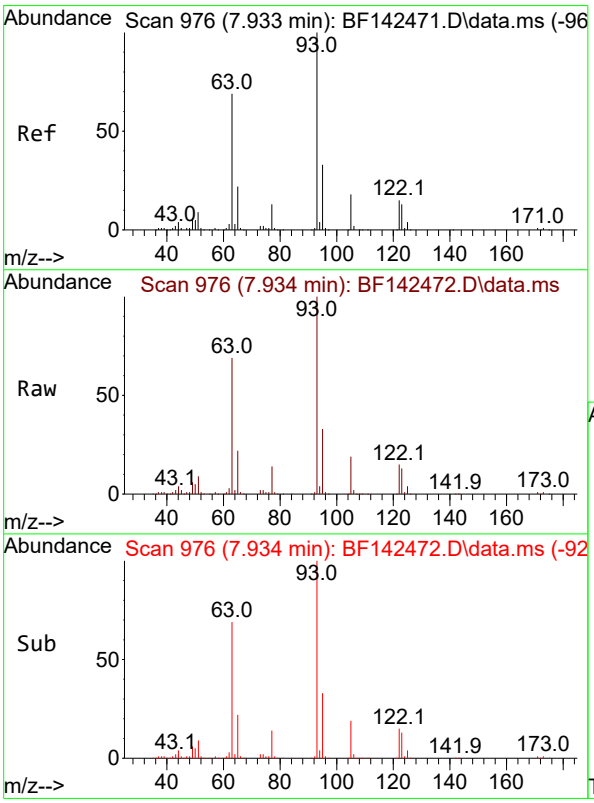
#27
2,4-Dimethylphenol
Concen: 52.123 ng
RT: 7.834 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 273604

Ion	Ratio	Lower	Upper
122	100		
107	113.0	88.1	132.1
121	59.1	47.3	70.9

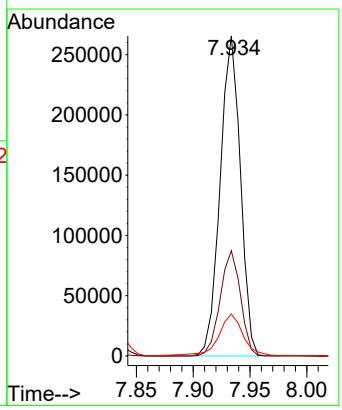


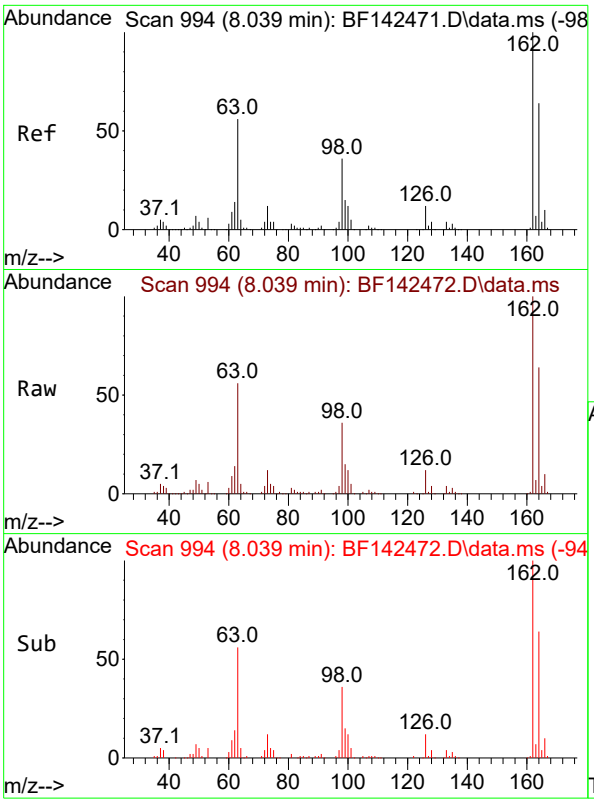


#28
bis(2-Chloroethoxy)methane
Concen: 51.041 ng
RT: 7.934 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion: 93 Resp: 329256

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.4	39.6
123	13.1	10.6	15.8



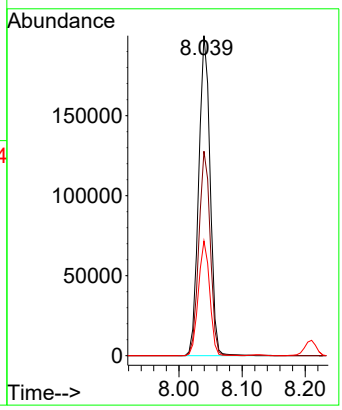


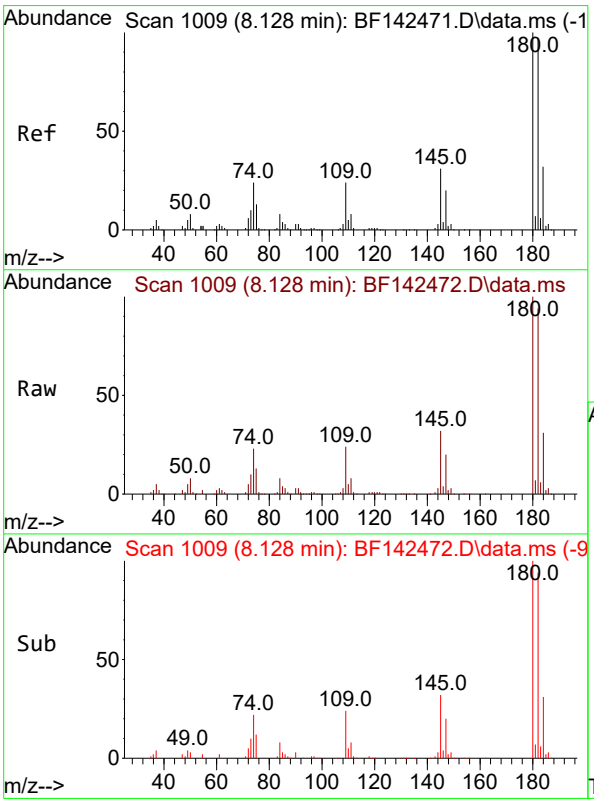
#29
2,4-Dichlorophenol
Concen: 52.840 ng
RT: 8.039 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 252244

Ion	Ratio	Lower	Upper
162	100		
164	63.9	43.7	83.7
98	35.9	15.5	55.5

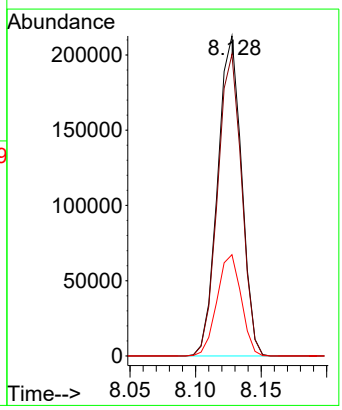


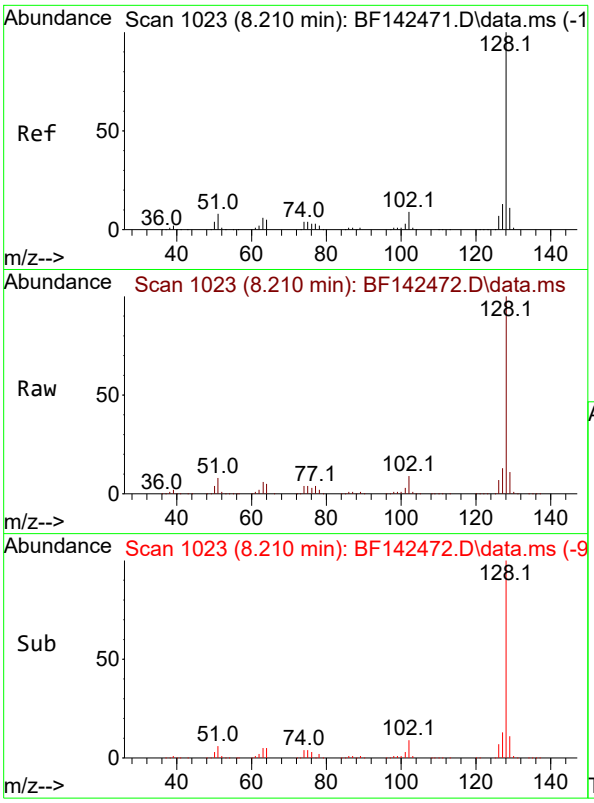


#30
1,2,4-Trichlorobenzene
Concen: 51.934 ng
RT: 8.128 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:180 Resp: 269064

Ion	Ratio	Lower	Upper
180	100		
182	94.3	78.0	117.0
145	31.7	25.0	37.6



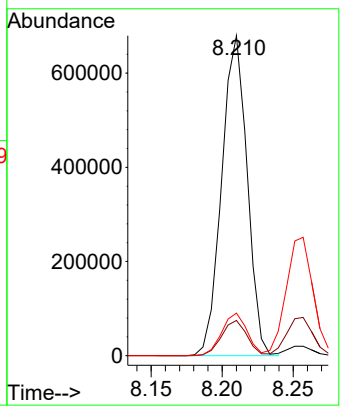


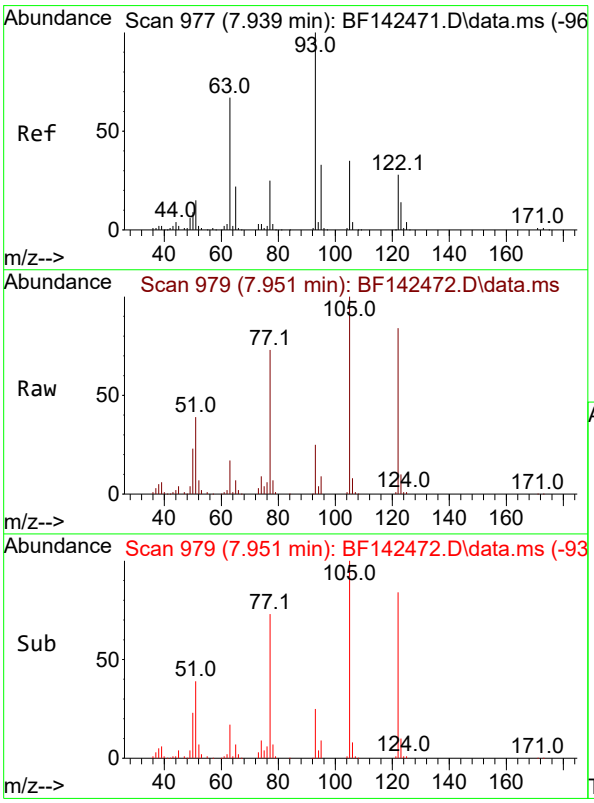
#31
Naphthalene
Concen: 51.109 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 847571

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.3	10.5	15.7

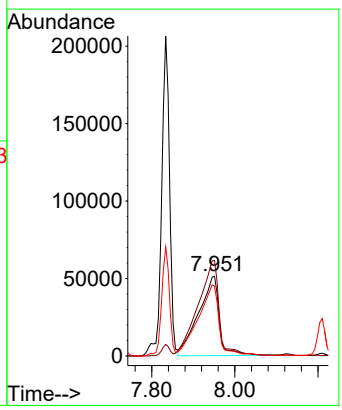


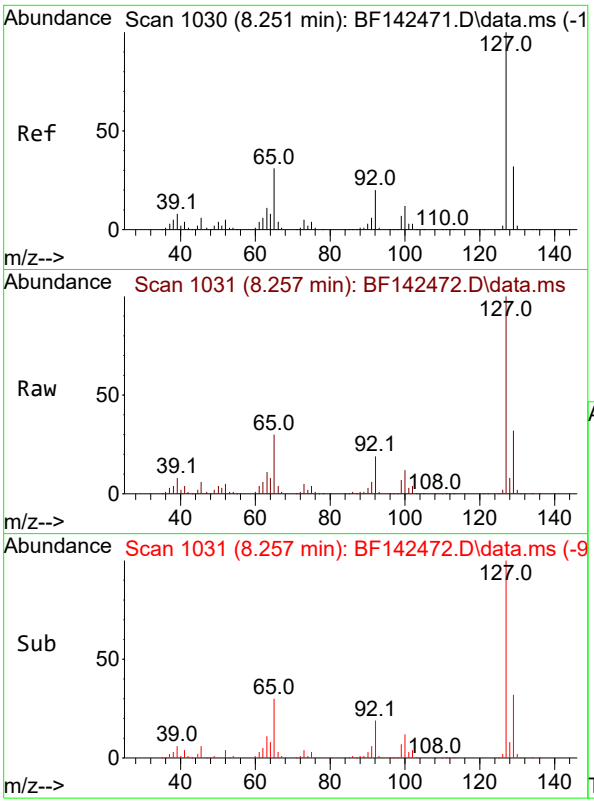


#32
Benzoic acid
Concen: 55.512 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.024 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:122 Resp: 177379

Ion	Ratio	Lower	Upper
122	100		
105	119.5	101.7	141.7
77	87.7	69.5	109.5



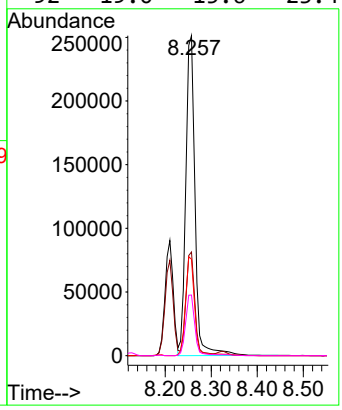


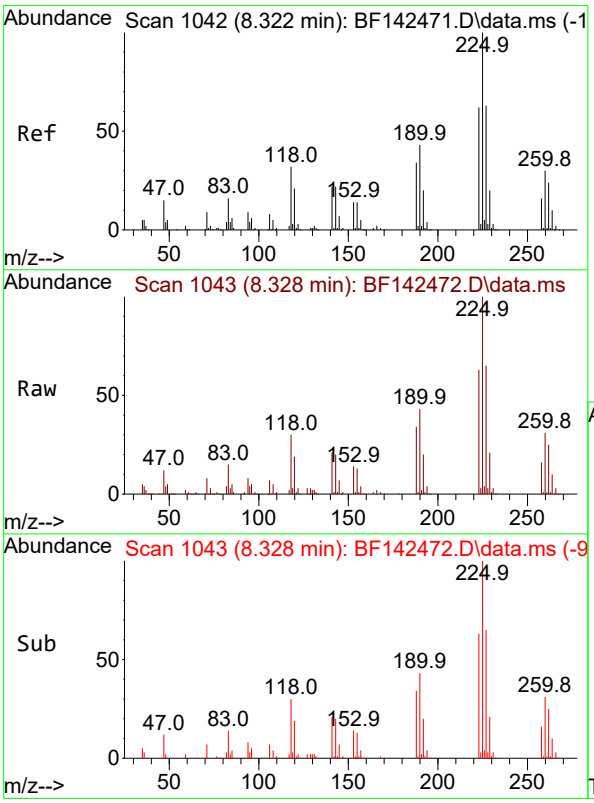
#33
4-Chloroaniline
Concen: 52.037 ng
RT: 8.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 349678

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.1	39.1
65	30.2	24.9	37.3
92	19.0	15.6	23.4

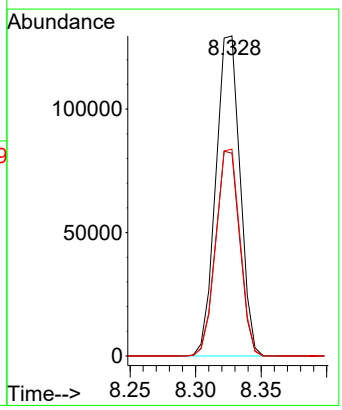


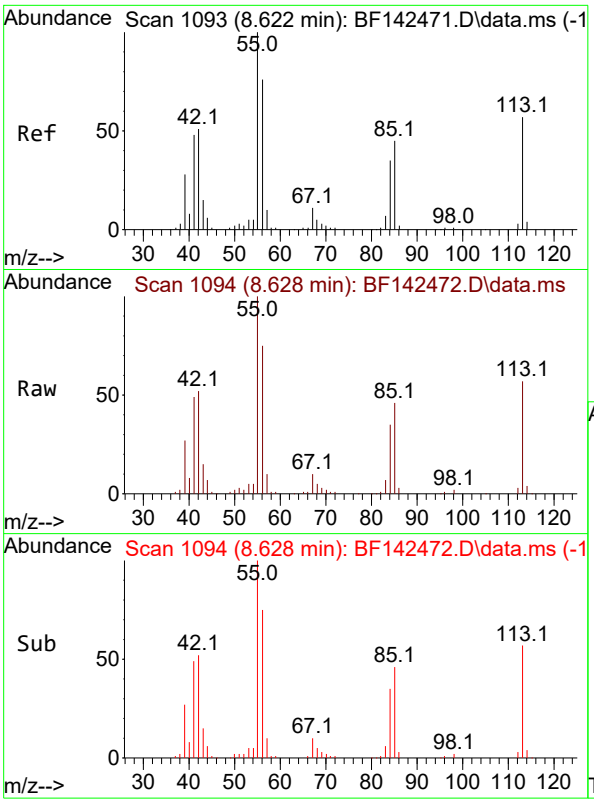


#34
Hexachlorobutadiene
Concen: 51.428 ng
RT: 8.328 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:225 Resp: 166363

Ion	Ratio	Lower	Upper
225	100		
223	63.3	49.7	74.5
227	64.6	50.3	75.5



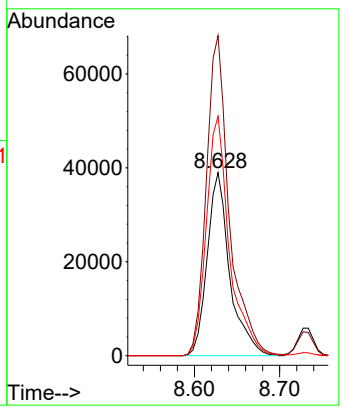


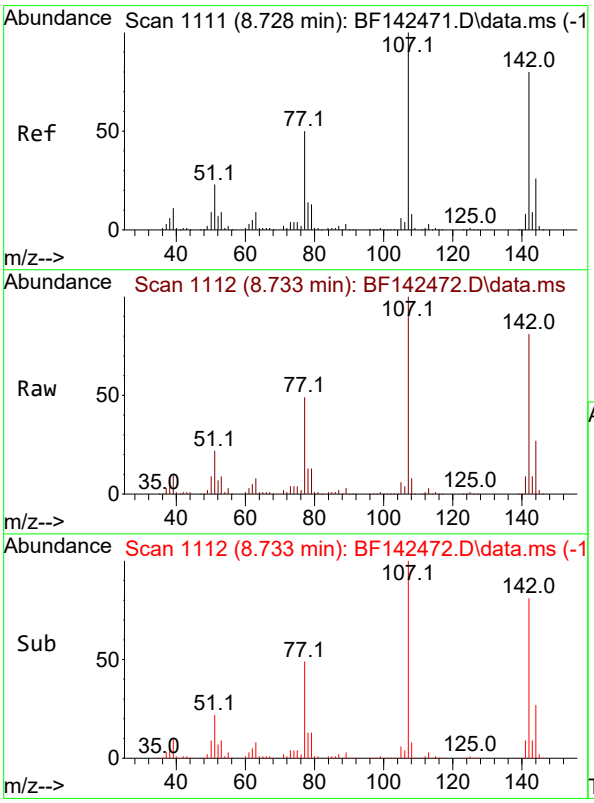
#35
Caprolactam
Concen: 53.297 ng
RT: 8.628 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 71458

Ion	Ratio	Lower	Upper
113	100		
55	174.8	154.7	194.7
56	130.8	113.2	153.2

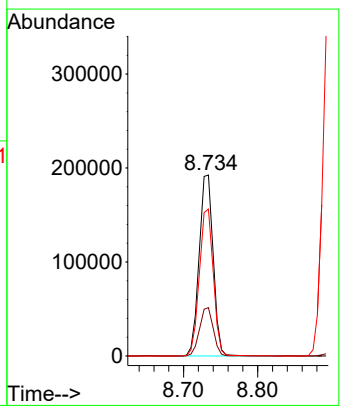


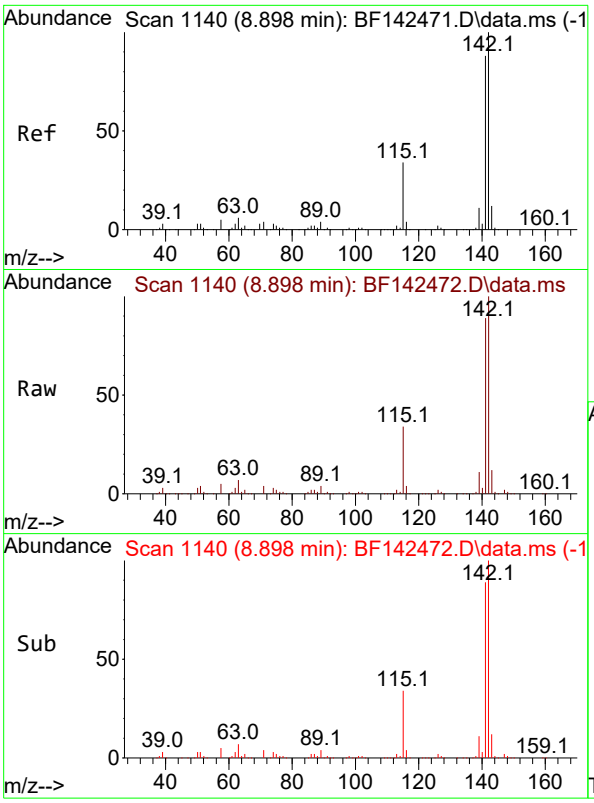


#36
4-Chloro-3-methylphenol
Concen: 51.862 ng
RT: 8.733 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:107 Resp: 253726

Ion	Ratio	Lower	Upper
107	100		
144	26.7	20.9	31.3
142	81.2	64.2	96.2



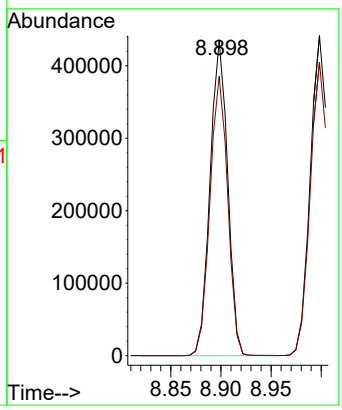


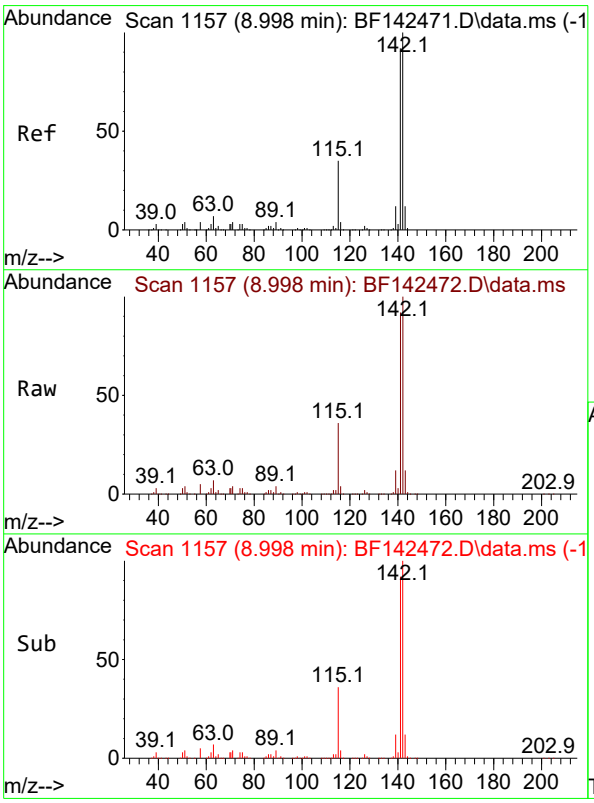
#37
2-Methylnaphthalene
Concen: 50.907 ng
RT: 8.898 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 531122

Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.7	106.1

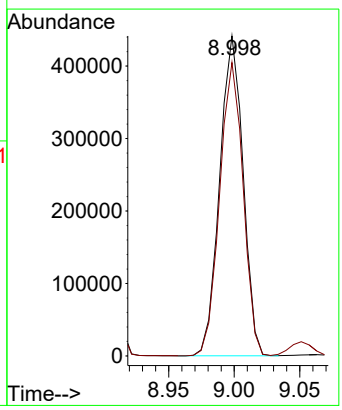


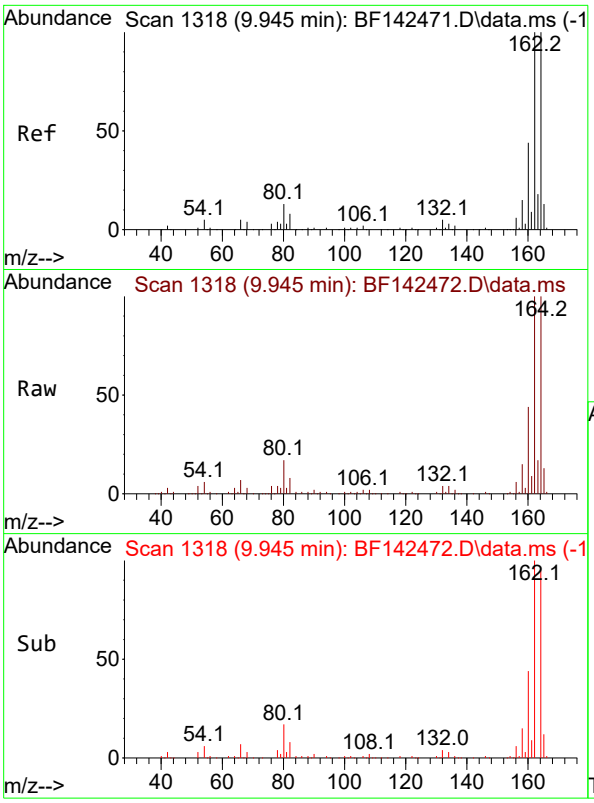


#38
1-Methylnaphthalene
Concen: 50.711 ng
RT: 8.998 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:142 Resp: 547258

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.4	110.2



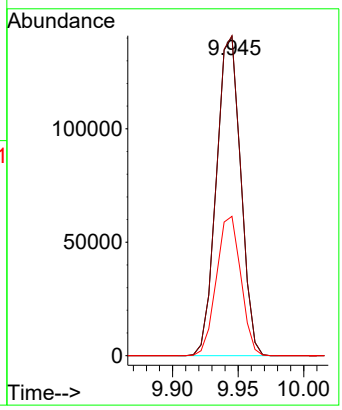


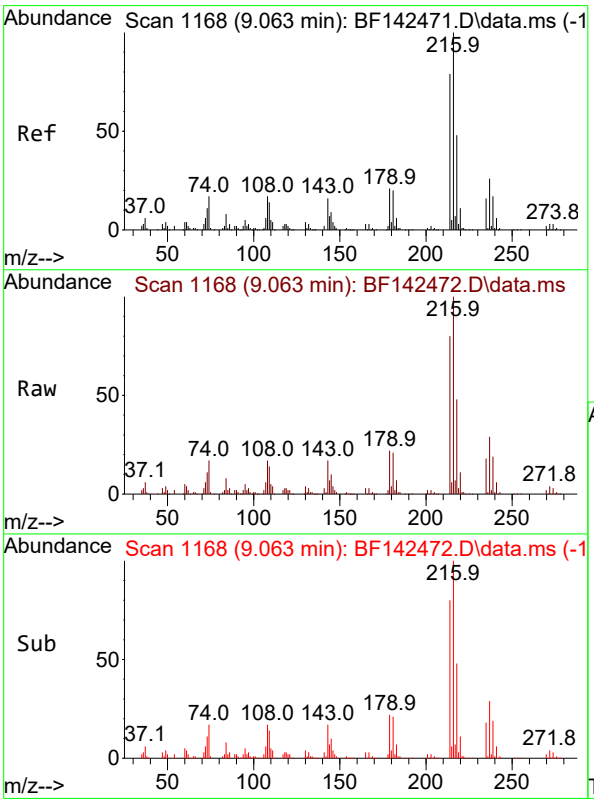
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 181409

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.2	120.4
160	43.7	35.6	53.4

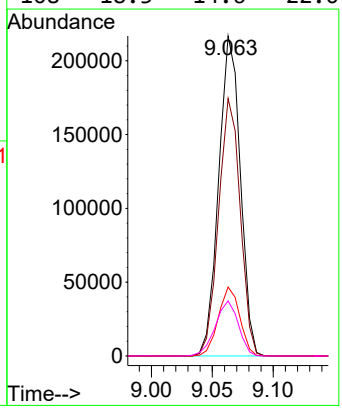


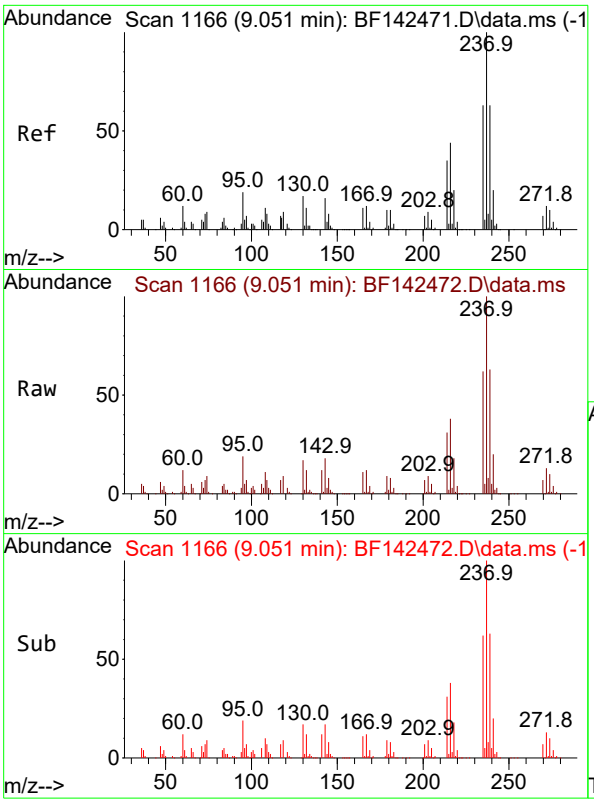


#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.543 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:216 Resp: 268407

Ion	Ratio	Lower	Upper
216	100		
214	80.3	62.9	94.3
179	21.3	16.9	25.3
108	18.3	14.6	22.0



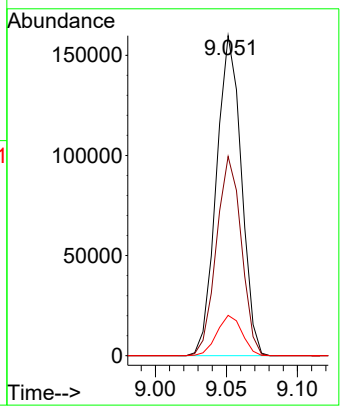


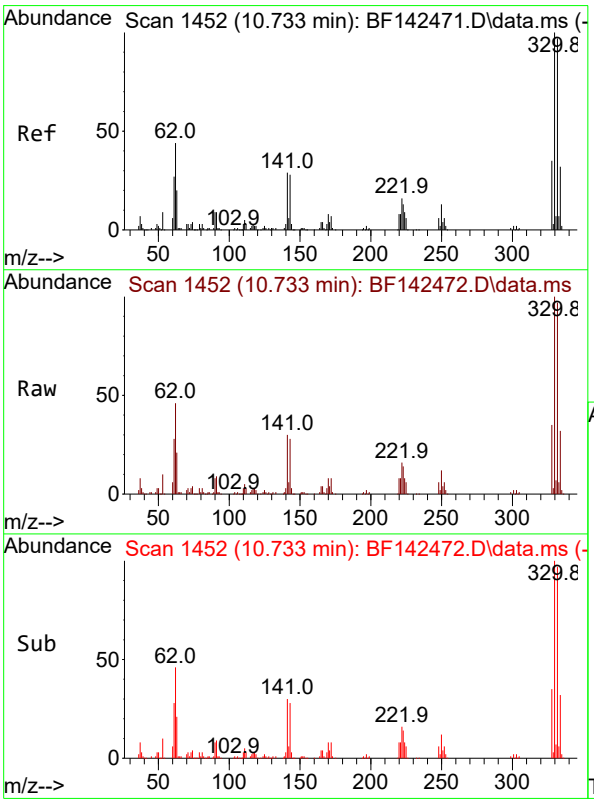
#41
Hexachlorocyclopentadiene
Concen: 55.532 ng
RT: 9.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 195080

Ion	Ratio	Lower	Upper
237	100		
235	62.3	43.3	83.3
272	12.6	0.0	32.4

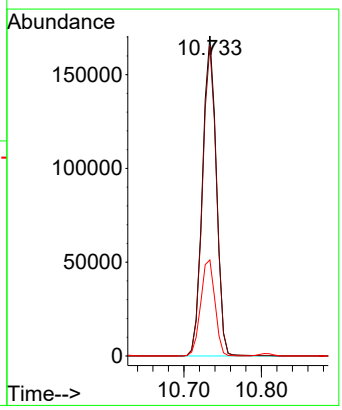


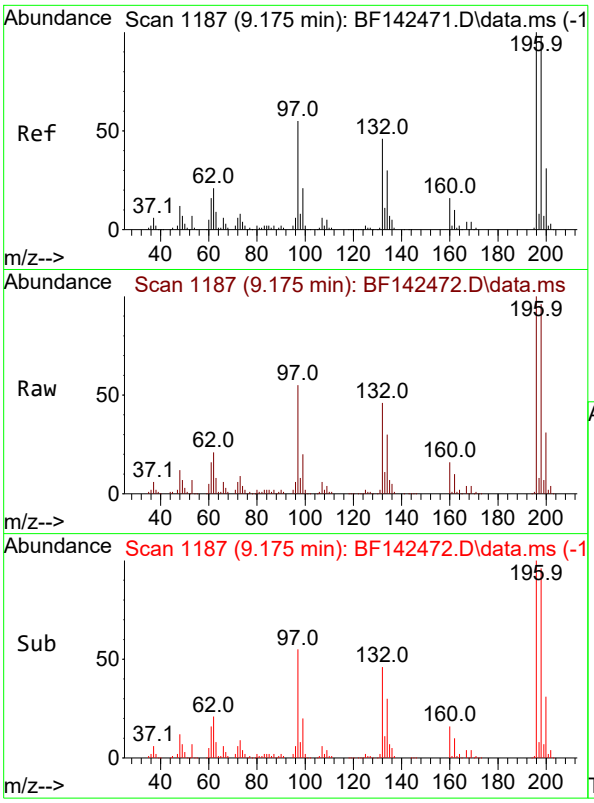


#42
2,4,6-Tribromophenol
Concen: 104.956 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:330 Resp: 211319

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.6	116.4
141	30.9	24.6	36.8



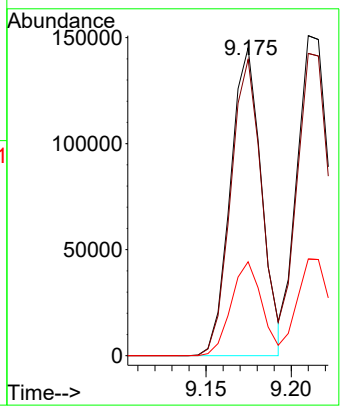


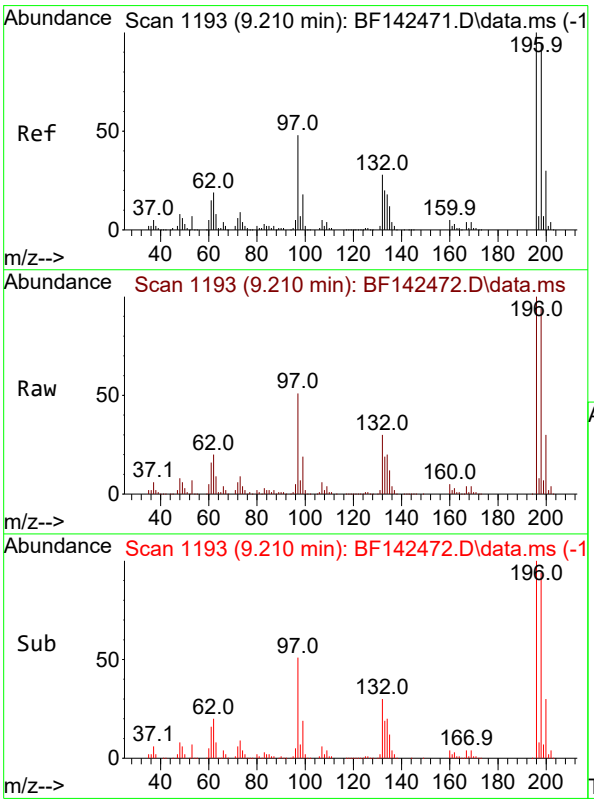
#43
2,4,6-Trichlorophenol
Concen: 52.421 ng
RT: 9.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 184076

Ion	Ratio	Lower	Upper
196	100		
198	96.3	78.8	118.2
200	30.5	24.9	37.3

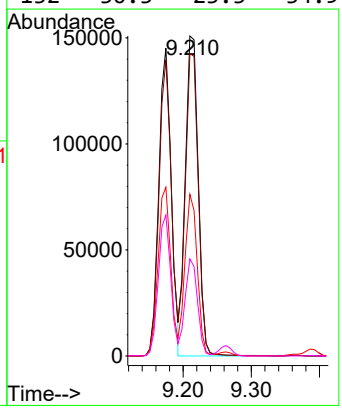


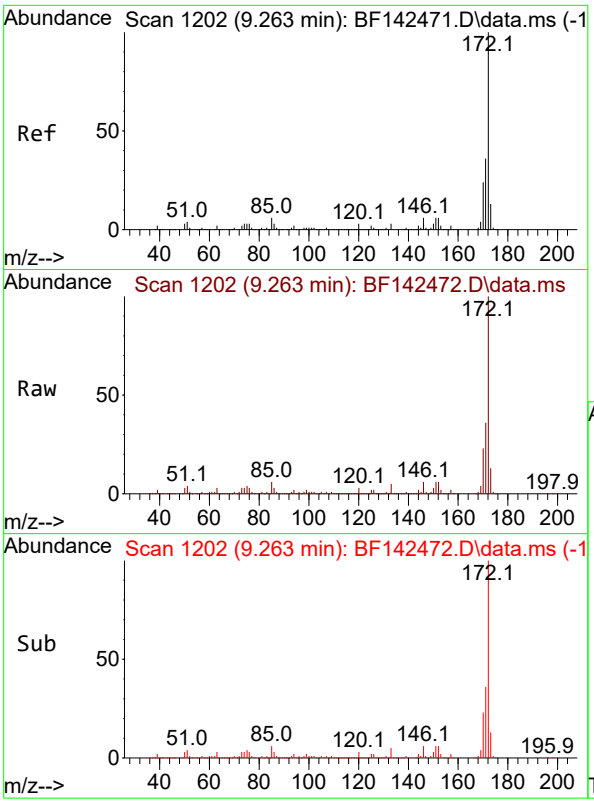


#44
2,4,5-Trichlorophenol
Concen: 53.537 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:196 Resp: 198266

Ion	Ratio	Lower	Upper
196	100		
198	94.4	75.5	113.3
97	50.5	39.3	58.9
132	30.3	23.3	34.9



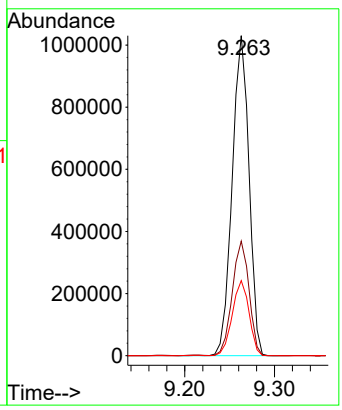


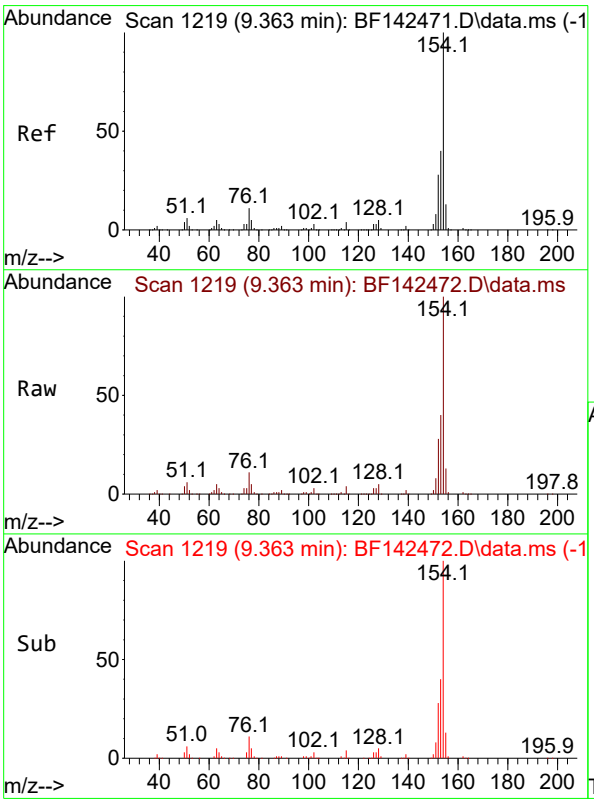
#45
2-Fluorobiphenyl
Concen: 99.269 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 1342037

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	42.8
170	23.4	18.9	28.3

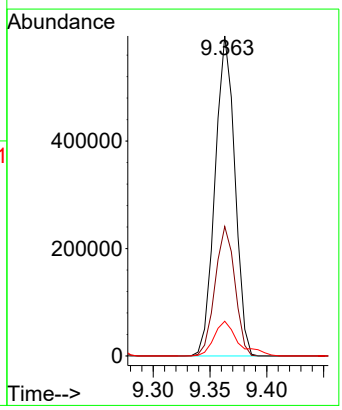


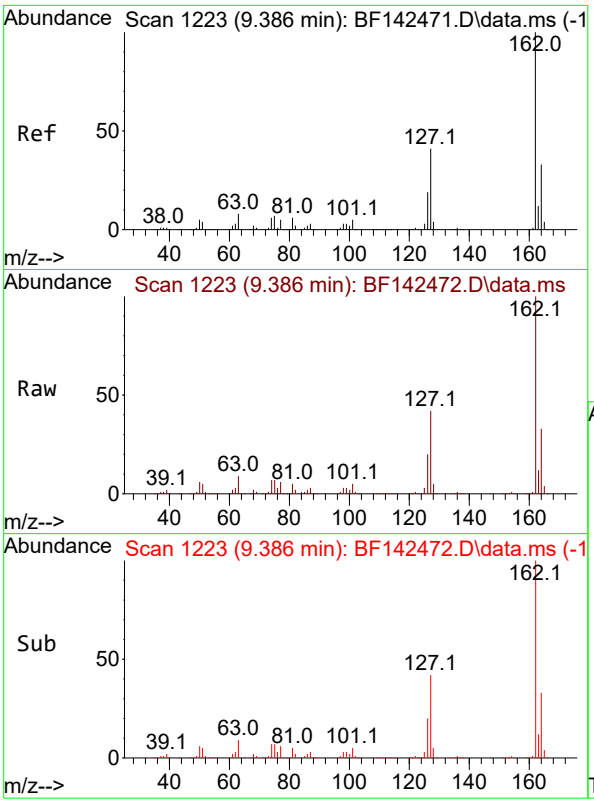


#46
1,1'-Biphenyl
Concen: 51.405 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:154 Resp: 723473

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.4	60.4
76	10.8	0.0	30.8



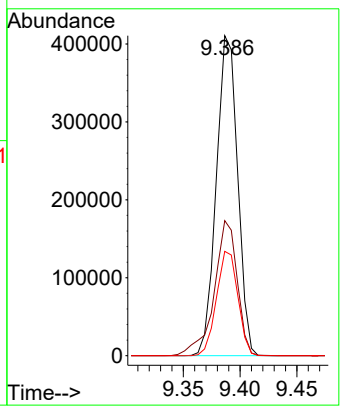


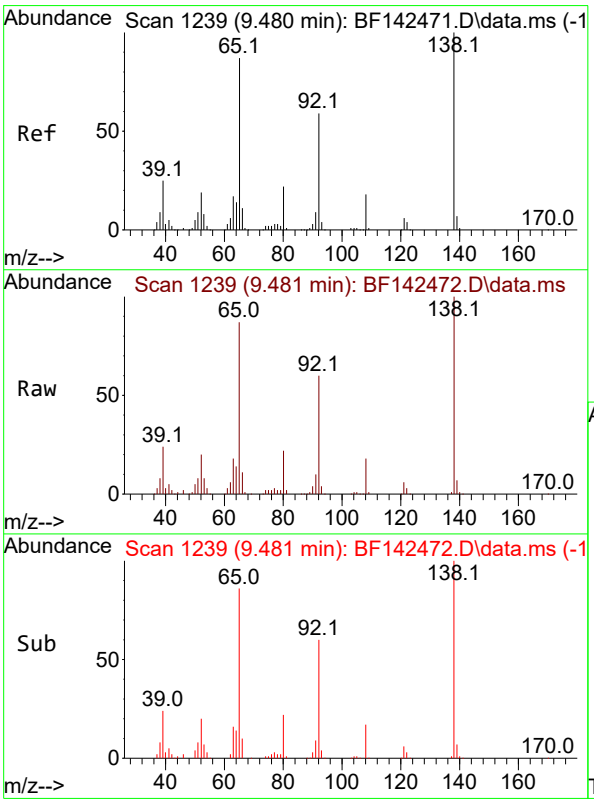
#47
2-Chloronaphthalene
Concen: 51.583 ng
RT: 9.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 536379

Ion	Ratio	Lower	Upper
162	100		
127	42.2	33.5	50.3
164	32.6	26.1	39.1

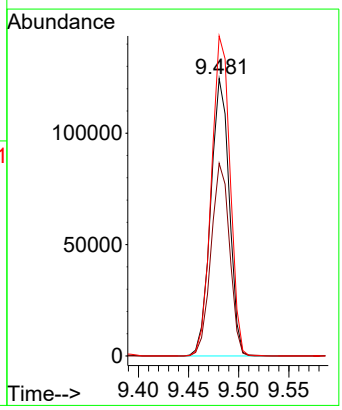


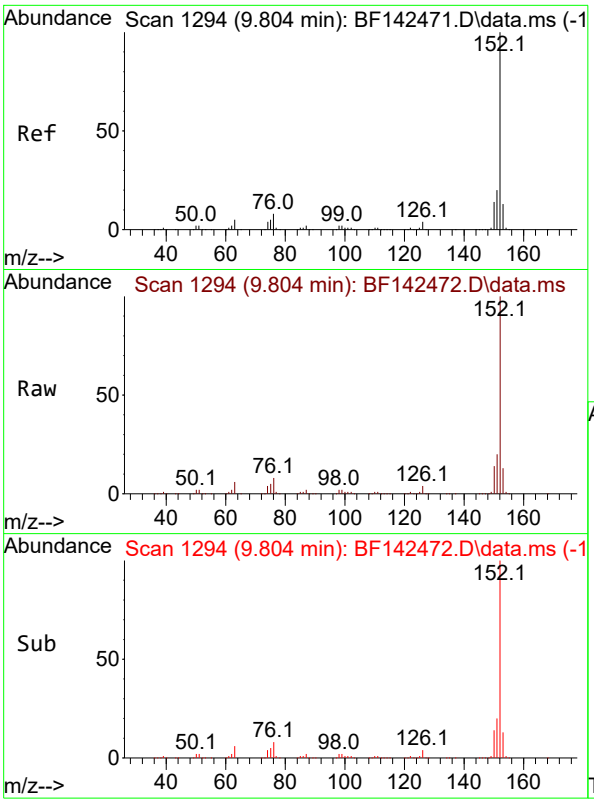


#48
2-Nitroaniline
Concen: 53.410 ng
RT: 9.481 min Scan# 1239
Delta R.T. -0.005 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion: 65 Resp: 160529

Ion	Ratio	Lower	Upper
65	100		
92	69.4	54.4	81.6
138	115.3	91.4	137.2



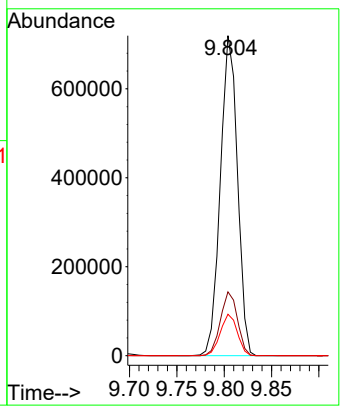


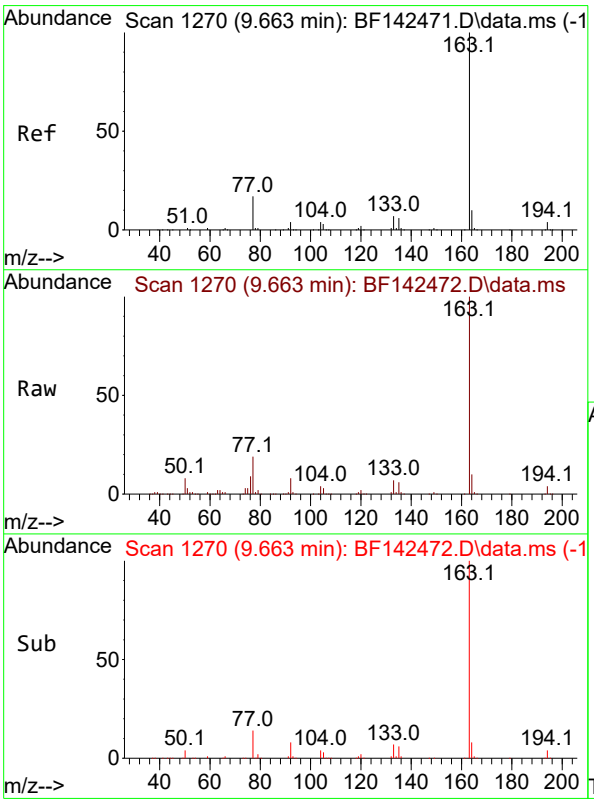
#49
Acenaphthylene
Concen: 51.602 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 906063

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	12.9	10.6	15.8

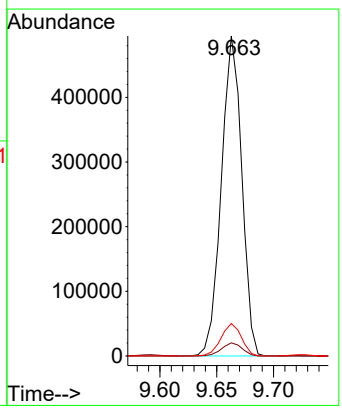


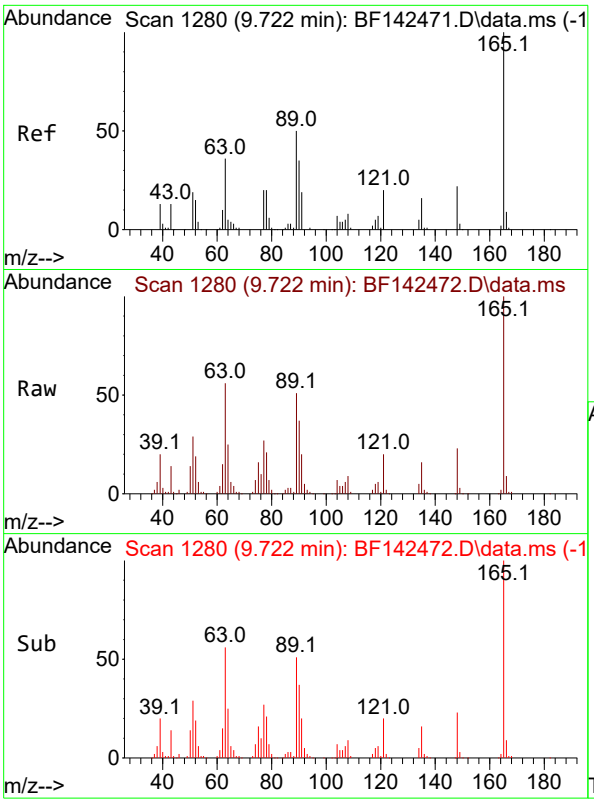


#50
Dimethylphthalate
Concen: 51.764 ng
RT: 9.663 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:163 Resp: 619616

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.1	8.2	12.4



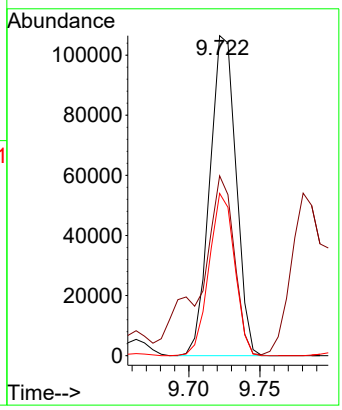


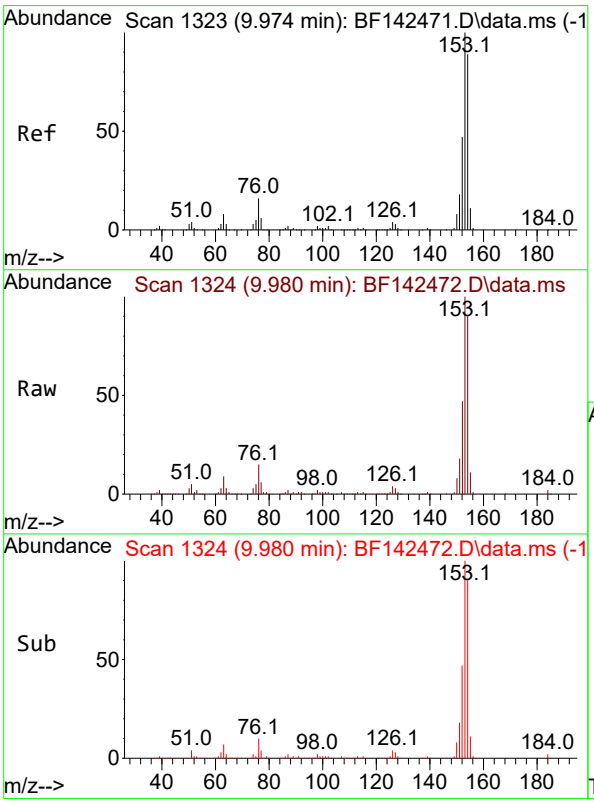
#51
2,6-Dinitrotoluene
Concen: 53.064 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 137090

Ion	Ratio	Lower	Upper
165	100		
63	56.2	42.9	64.3
89	50.7	40.2	60.4

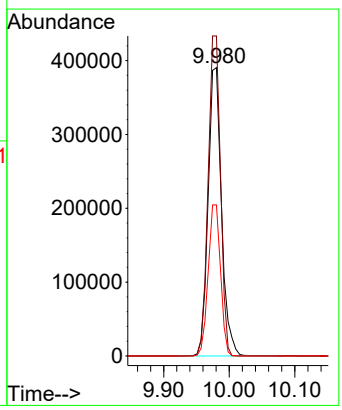


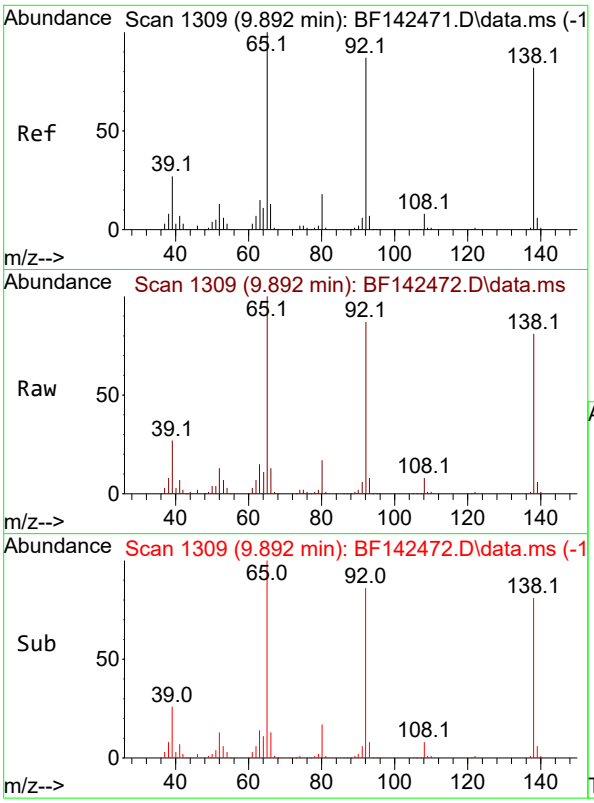


#52
Acenaphthene
Concen: 51.742 ng
RT: 9.980 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:154 Resp: 554762

Ion	Ratio	Lower	Upper
154	100		
153	111.0	90.0	135.0
152	52.4	42.6	64.0



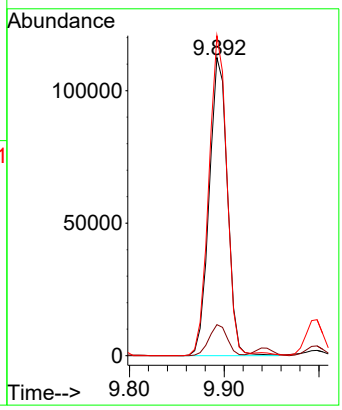


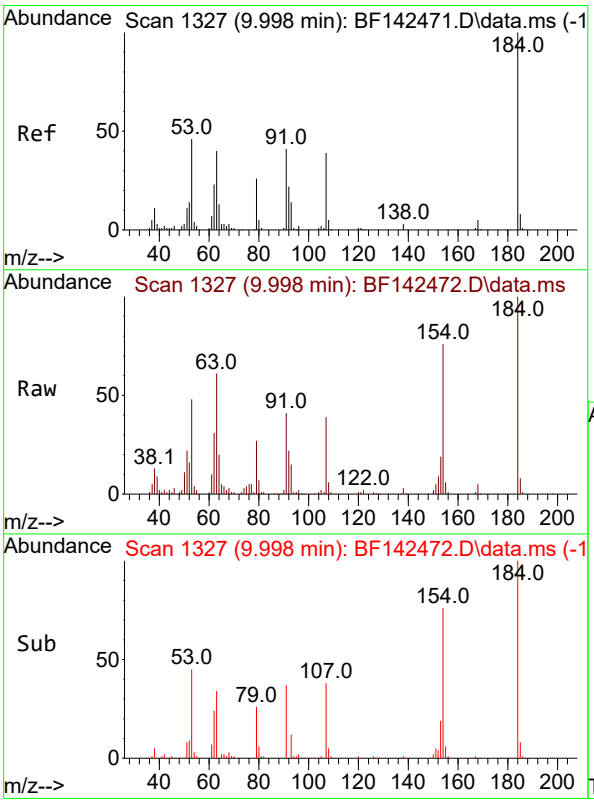
#53
3-Nitroaniline
Concen: 53.082 ng
RT: 9.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 149786

Ion	Ratio	Lower	Upper
138	100		
108	10.4	8.1	12.1
92	107.3	85.2	127.8

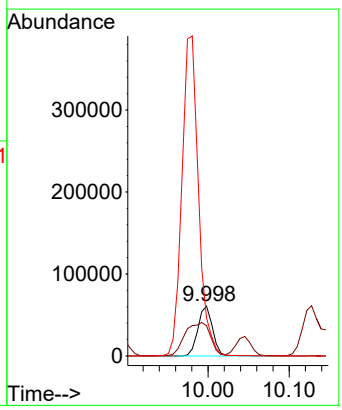


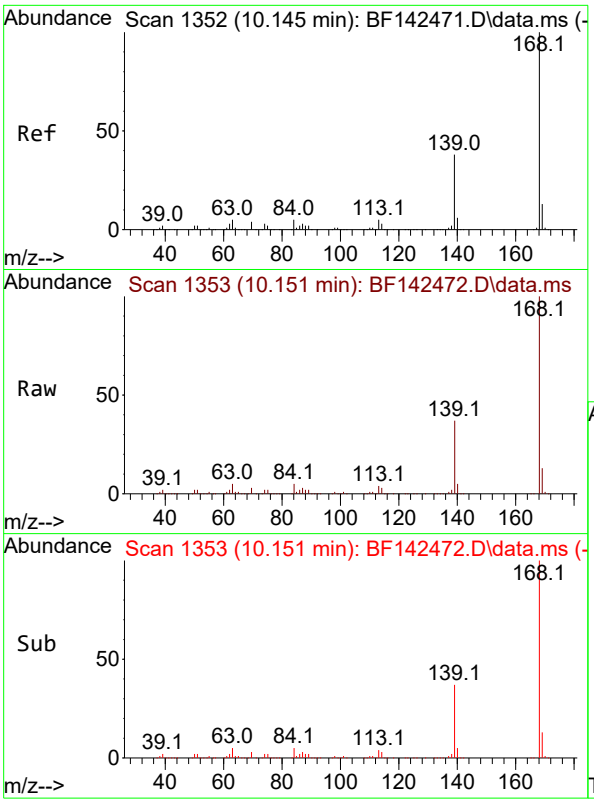


#54
2,4-Dinitrophenol
Concen: 57.487 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:184 Resp: 76730

Ion	Ratio	Lower	Upper
184	100		
63	60.6	46.3	69.5
154	76.3	56.8	85.2



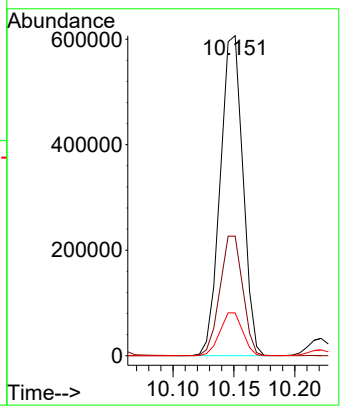


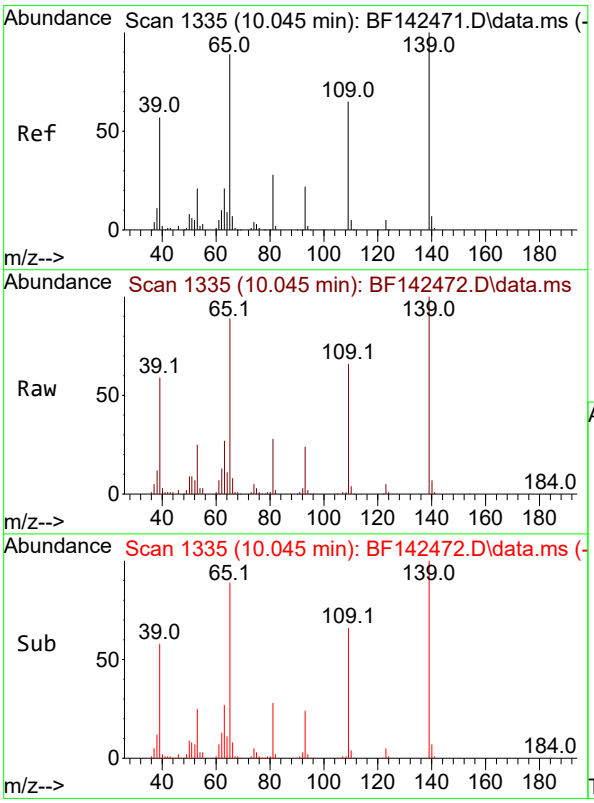
#55
Dibenzofuran
Concen: 51.038 ng
RT: 10.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 787446

Ion	Ratio	Lower	Upper
168	100		
139	37.3	30.2	45.2
169	13.3	10.7	16.1

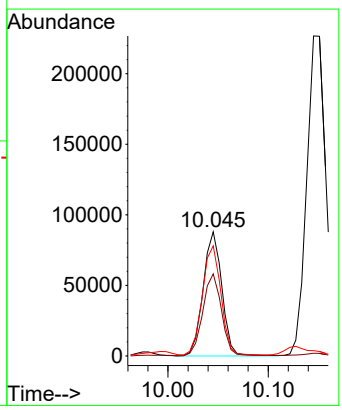


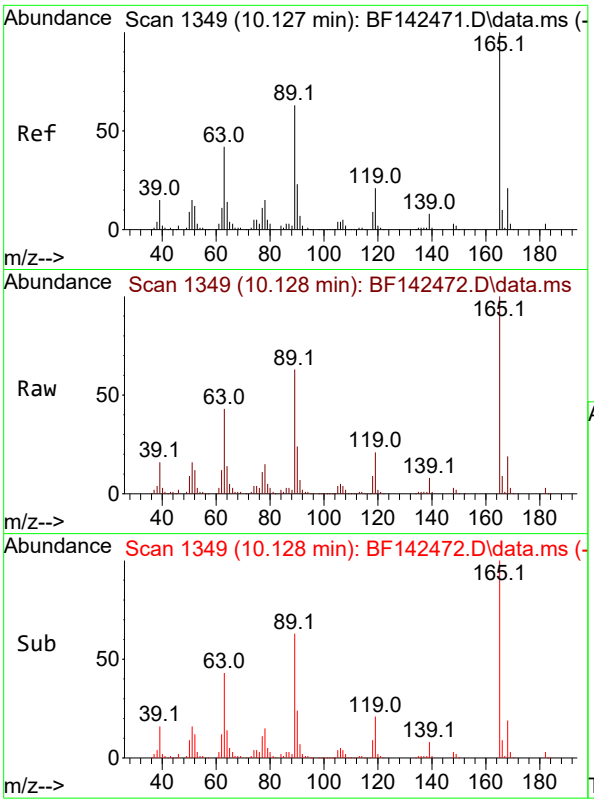


#56
4-Nitrophenol
Concen: 54.849 ng
RT: 10.045 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:139 Resp: 114198

Ion	Ratio	Lower	Upper
139	100		
109	66.1	45.1	85.1
65	88.7	69.7	109.7



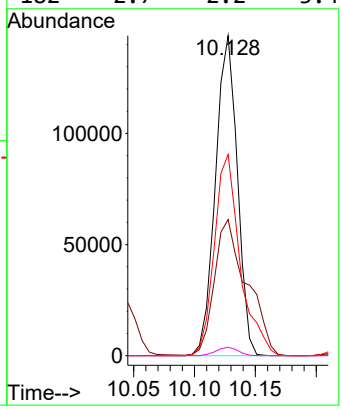


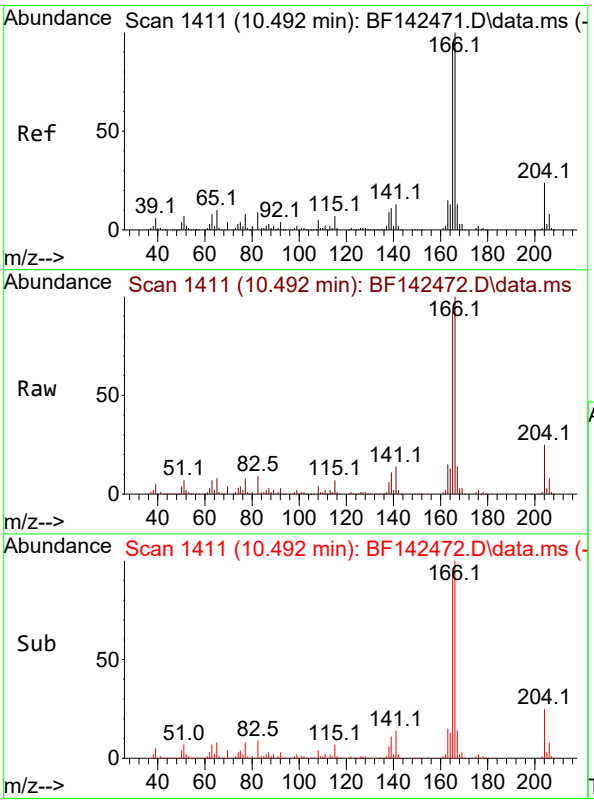
#57
2,4-Dinitrotoluene
Concen: 53.473 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 180417

Ion	Ratio	Lower	Upper
165	100		
63	42.5	33.6	50.4
89	62.8	50.2	75.4
182	2.7	2.2	3.4

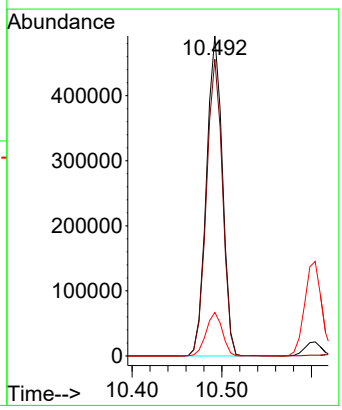


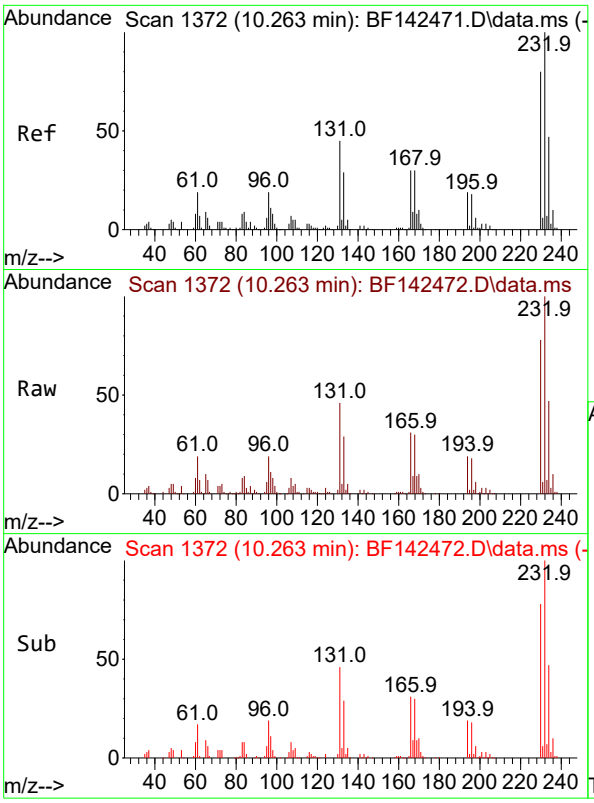


#58
Fluorene
Concen: 51.090 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:166 Resp: 608966

Ion	Ratio	Lower	Upper
166	100		
165	92.7	75.8	113.8
167	13.6	10.6	16.0



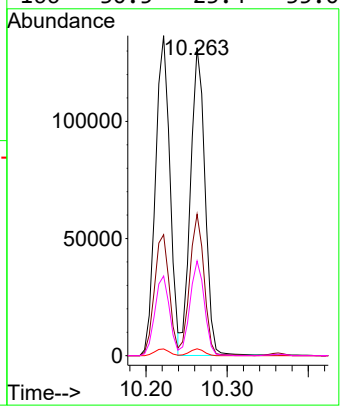


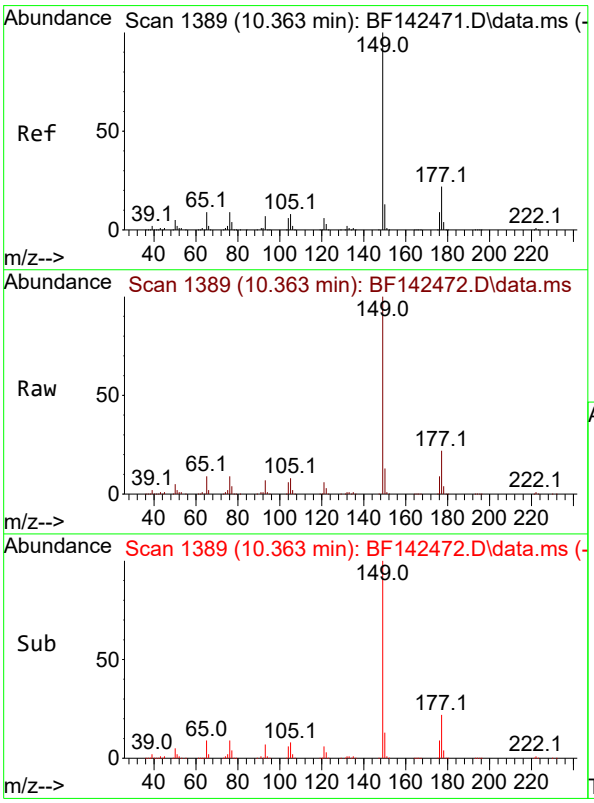
#59
2,3,4,6-Tetrachlorophenol
Concen: 52.897 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 163539

Ion	Ratio	Lower	Upper
232	100		
131	45.5	35.2	52.8
130	2.2	1.7	2.5
166	30.5	23.4	35.0

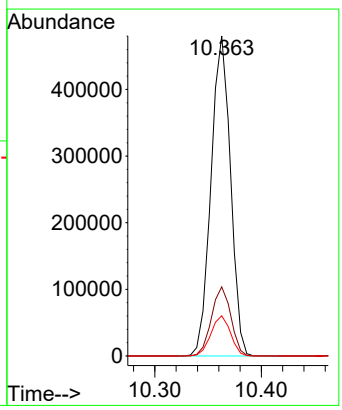


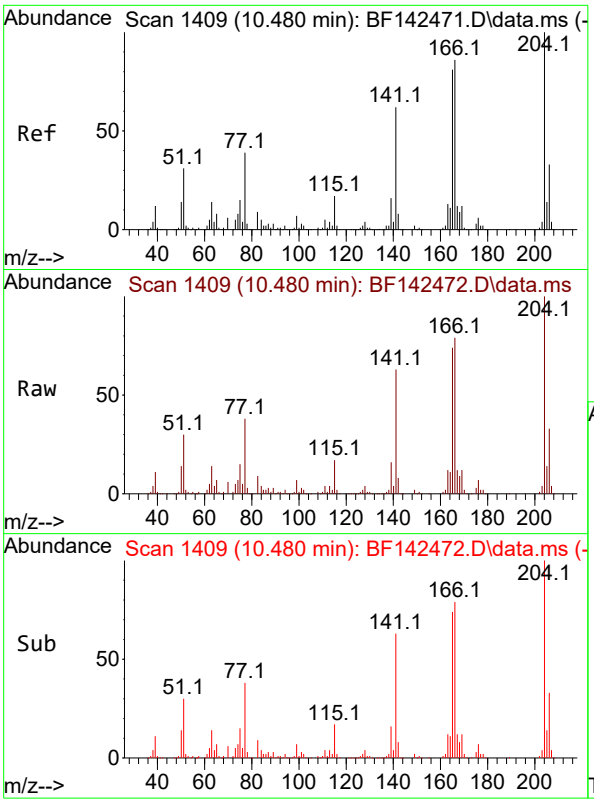


#60
Diethylphthalate
Concen: 52.089 ng
RT: 10.363 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:149 Resp: 608941

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.6	26.4
150	12.5	10.1	15.1



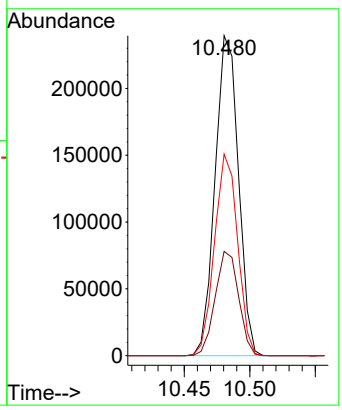


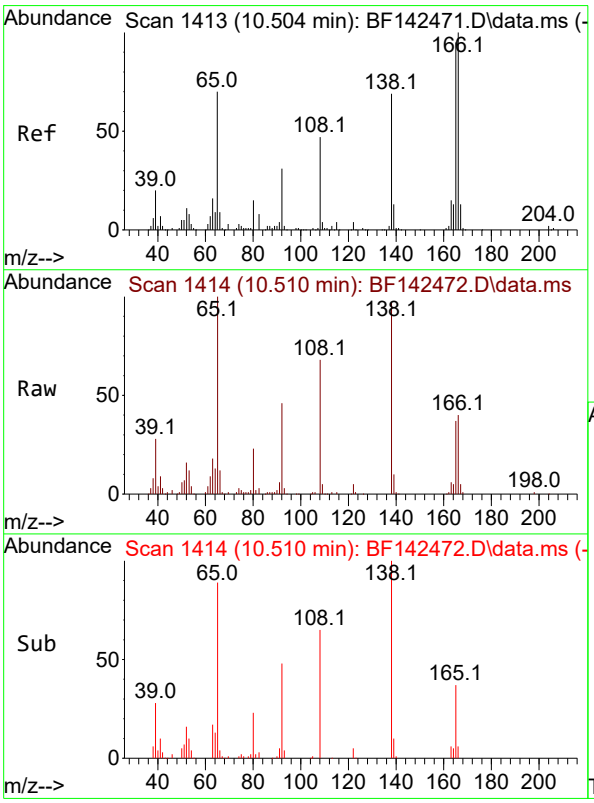
#61
4-Chlorophenyl-phenylether
Concen: 50.597 ng
RT: 10.480 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 296264

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.3	39.5
141	63.0	49.5	74.3

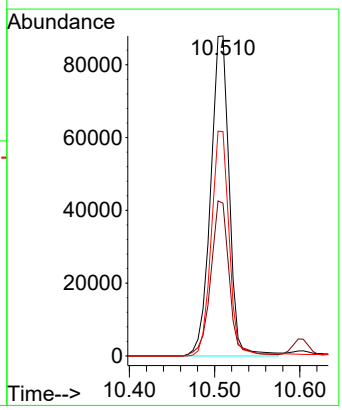


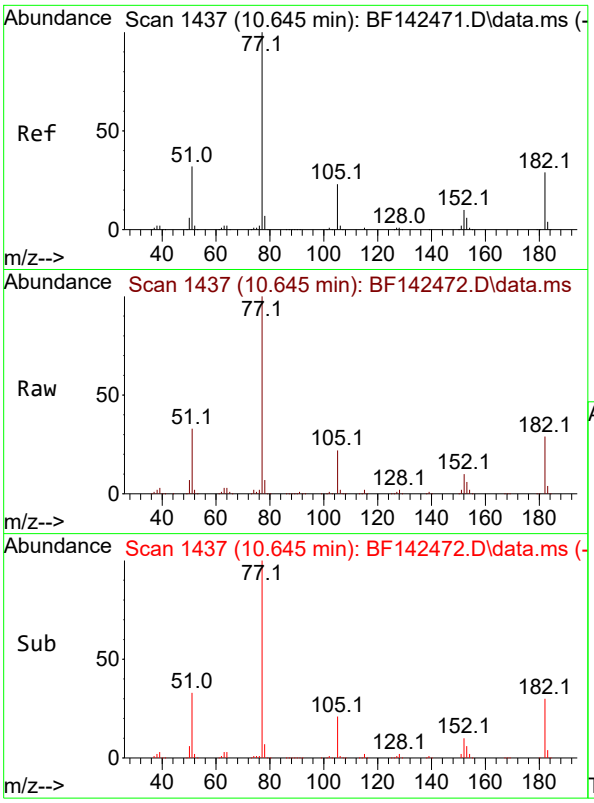


#62
4-Nitroaniline
Concen: 52.024 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:138 Resp: 133141

Ion	Ratio	Lower	Upper
138	100		
92	47.7	26.0	66.0
108	70.1	48.4	88.4



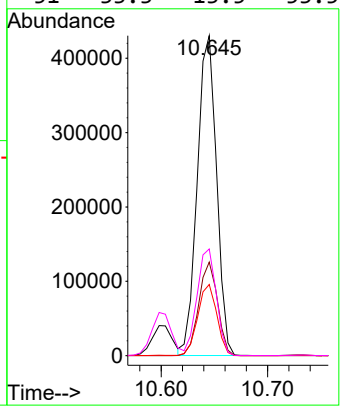


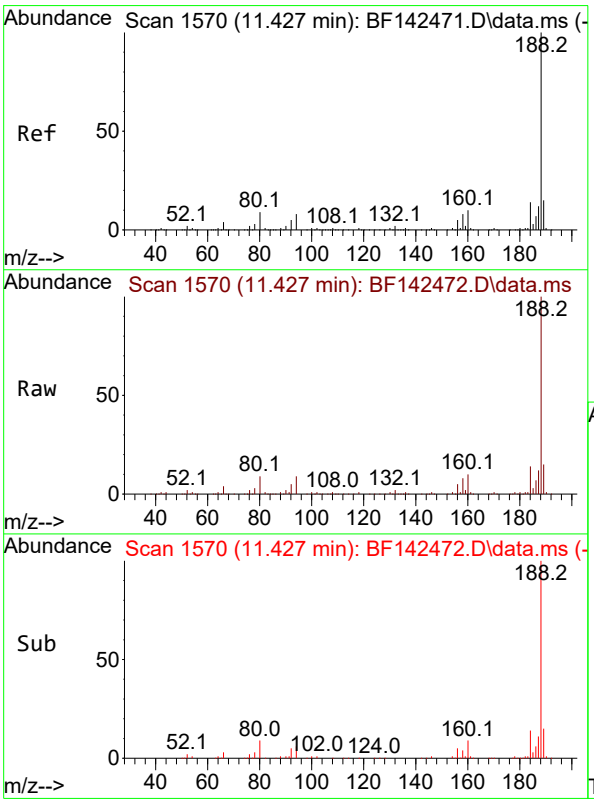
#63
Azobenzene
Concen: 51.703 ng
RT: 10.645 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 542894

Ion	Ratio	Lower	Upper
77	100		
182	29.3	9.0	49.0
105	22.3	2.4	42.4
51	33.3	13.5	53.5

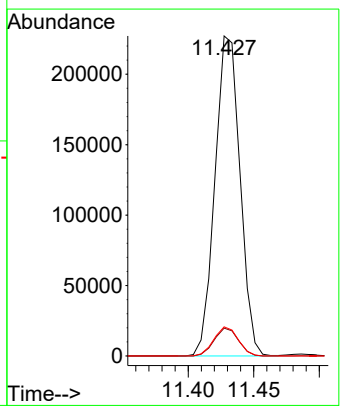


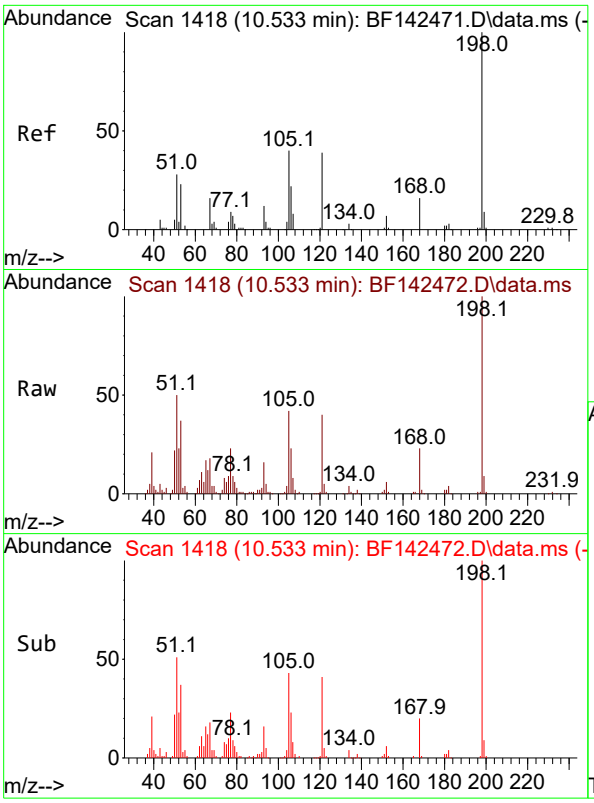


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:188 Resp: 301685

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.1	7.4	11.0



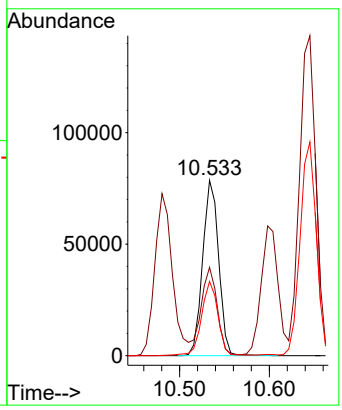


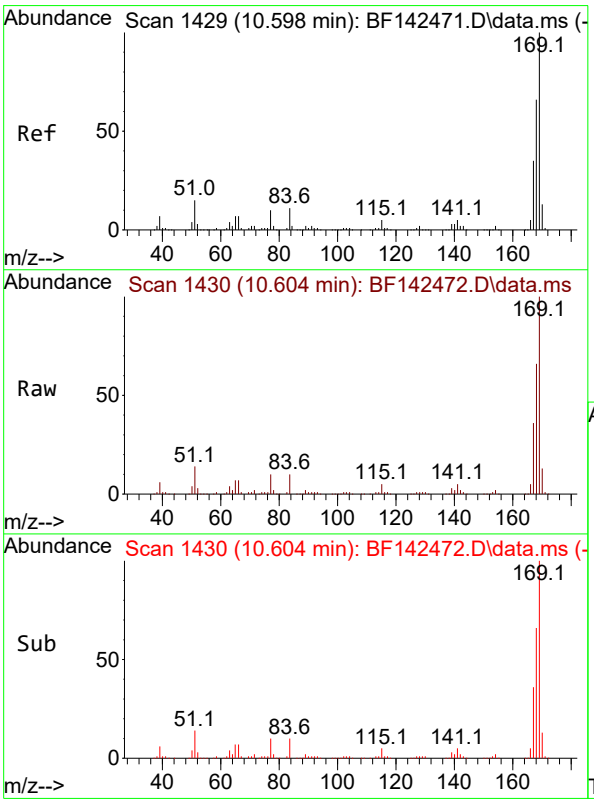
#65
4,6-Dinitro-2-methylphenol
Concen: 57.734 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 97203

Ion	Ratio	Lower	Upper
198	100		
51	50.4	28.3	68.3
105	42.4	21.3	61.3

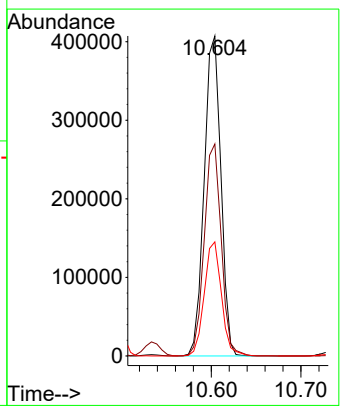


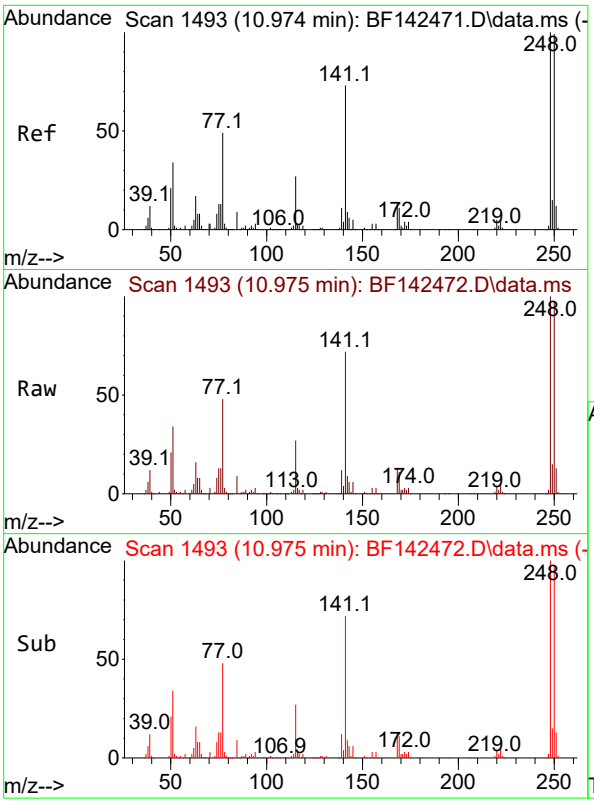


#66
n-Nitrosodiphenylamine
Concen: 50.960 ng
RT: 10.604 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:169 Resp: 525974

Ion	Ratio	Lower	Upper
169	100		
168	66.3	52.7	79.1
167	35.7	28.3	42.5



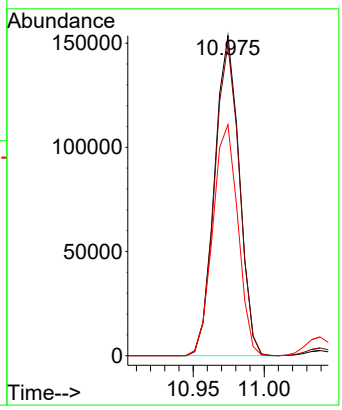


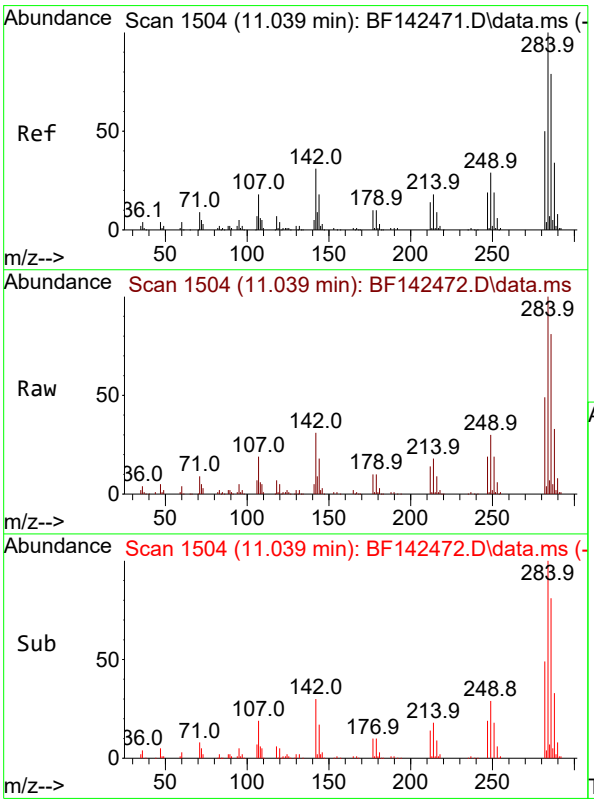
#67
4-Bromophenyl-phenylether
Concen: 52.061 ng
RT: 10.975 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 185711

Ion	Ratio	Lower	Upper
248	100		
250	97.3	79.0	118.4
141	72.2	58.4	87.6

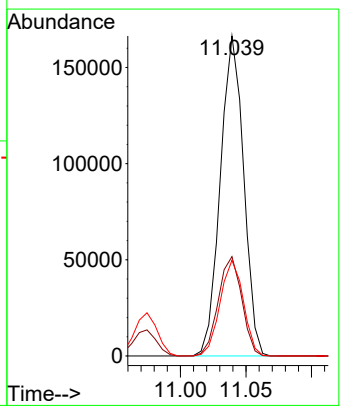


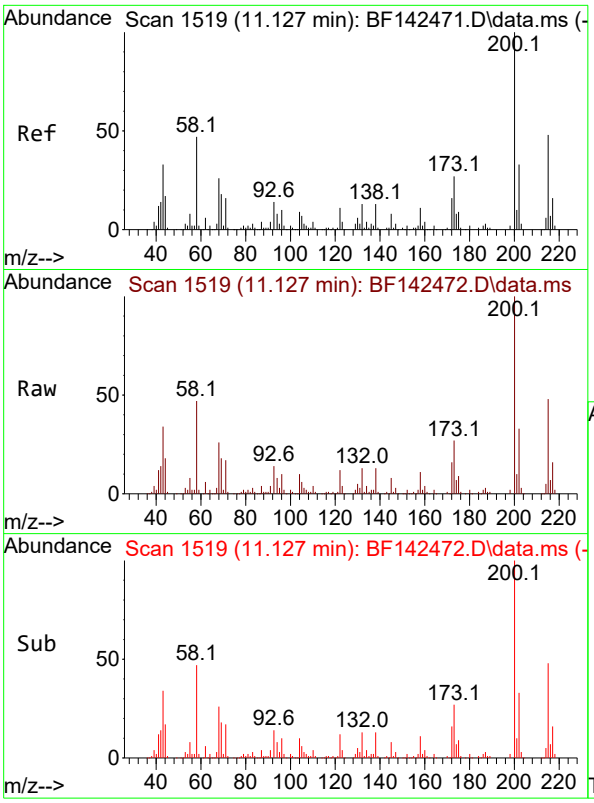


#68
Hexachlorobenzene
Concen: 52.151 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:284 Resp: 205759

Ion	Ratio	Lower	Upper
284	100		
142	31.1	24.8	37.2
249	29.9	23.6	35.4



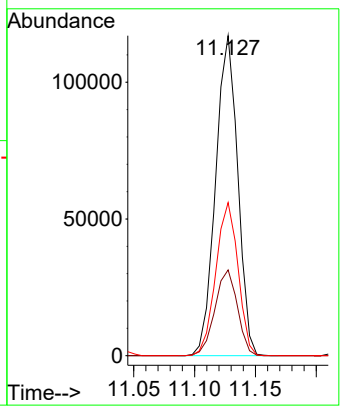


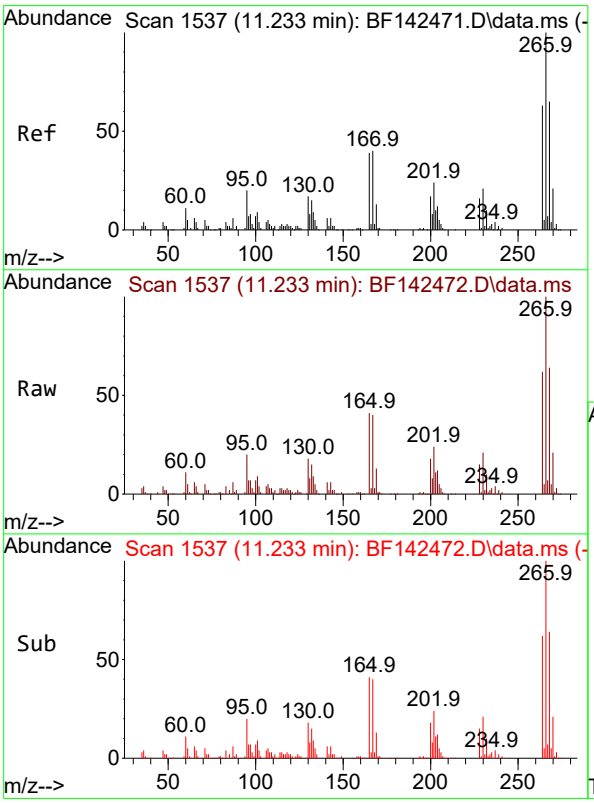
#69
Atrazine
Concen: 53.966 ng
RT: 11.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 147922

Ion	Ratio	Lower	Upper
200	100		
173	26.8	7.4	47.4
215	47.9	28.5	68.5

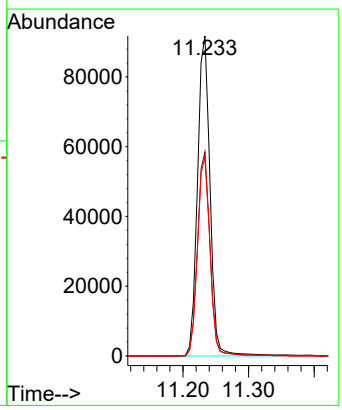


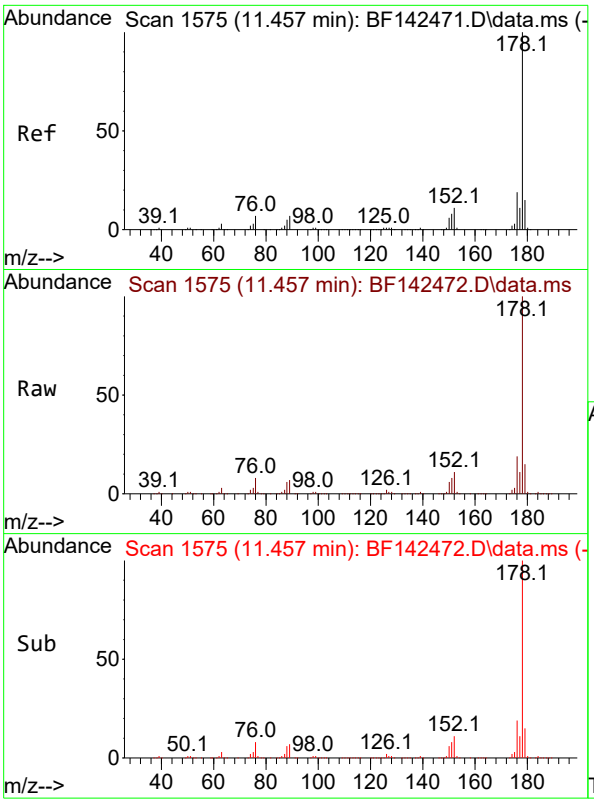


#70
Pentachlorophenol
Concen: 54.852 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:266 Resp: 122184

Ion	Ratio	Lower	Upper
266	100		
268	63.8	51.7	77.5
264	62.2	50.4	75.6



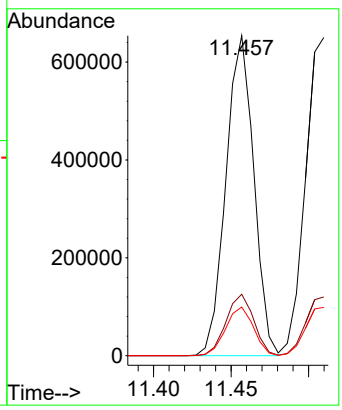


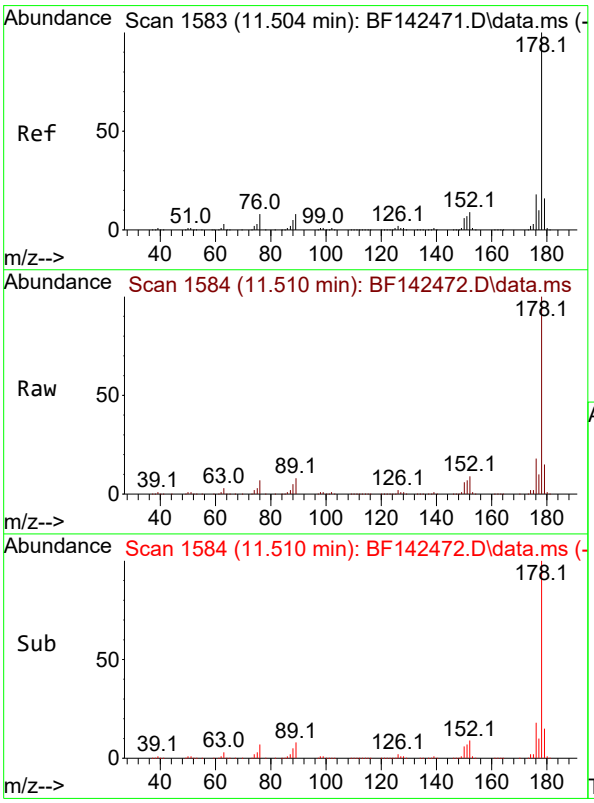
#71
Phenanthrene
Concen: 50.739 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 818043

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.2	12.3	18.5

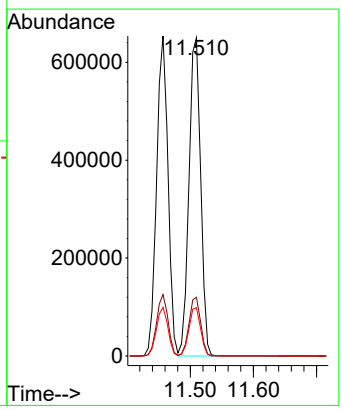


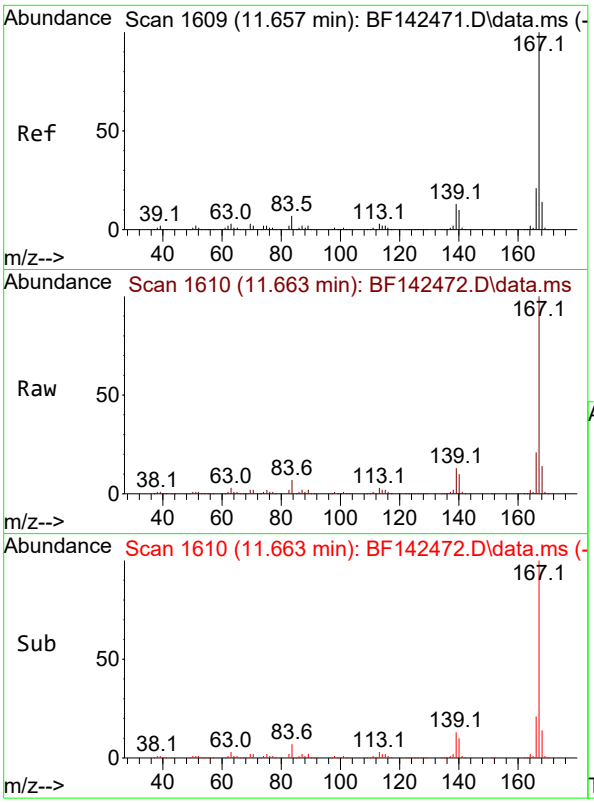


#72
Anthracene
Concen: 50.882 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:178 Resp: 837242

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	21.8
179	15.2	12.4	18.6



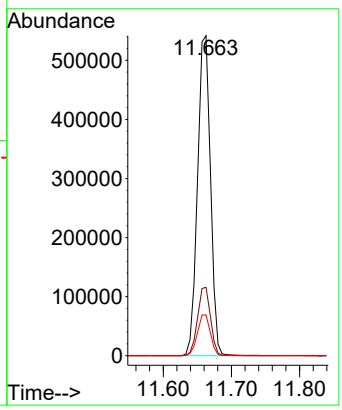


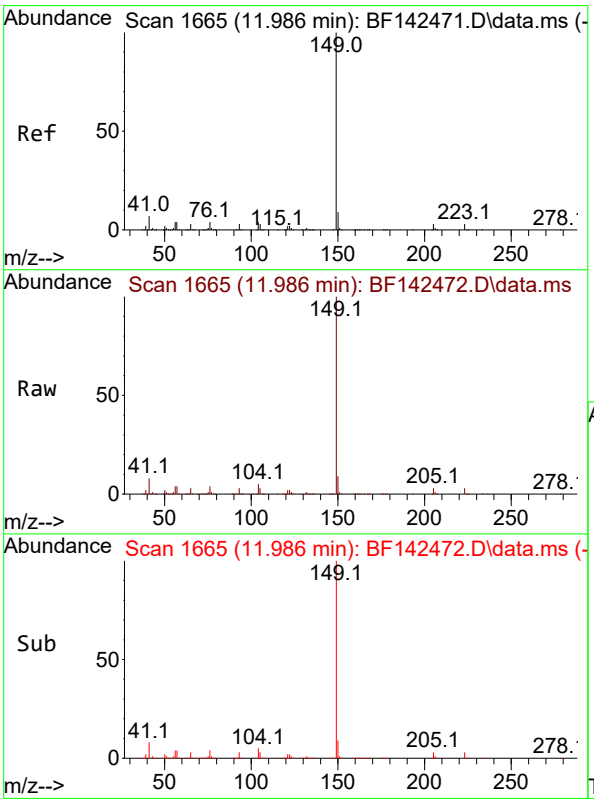
#73
Carbazole
Concen: 50.927 ng
RT: 11.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 716381

Ion	Ratio	Lower	Upper
167	100		
166	21.4	16.9	25.3
139	12.7	10.2	15.4

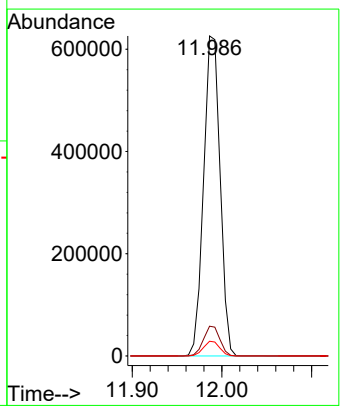


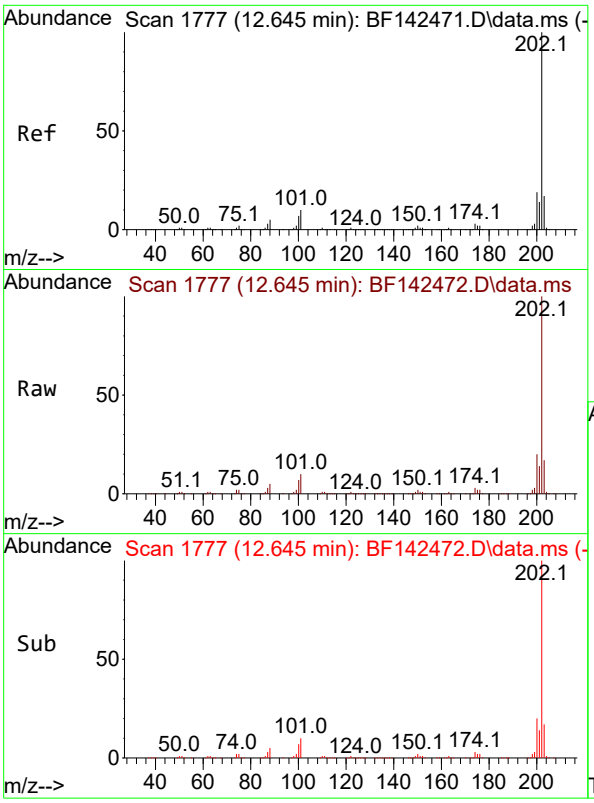


#74
Di-n-butylphthalate
Concen: 51.856 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:149 Resp: 798451

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	4.6	3.6	5.4



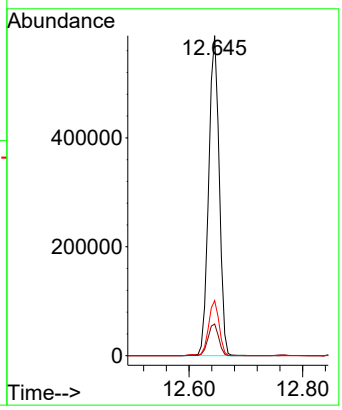


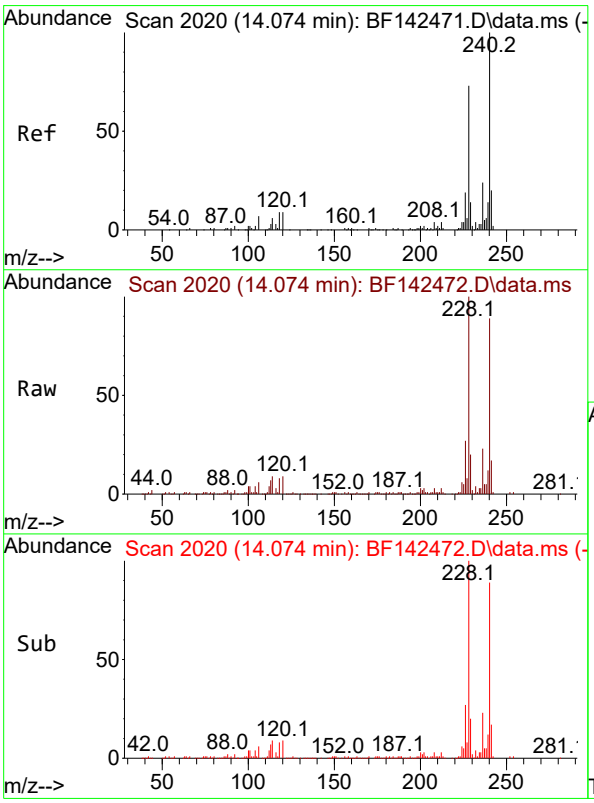
#75
Fluoranthene
Concen: 49.923 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 752083

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	29.6
203	17.2	0.0	37.2

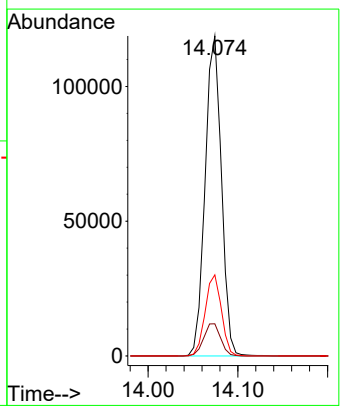


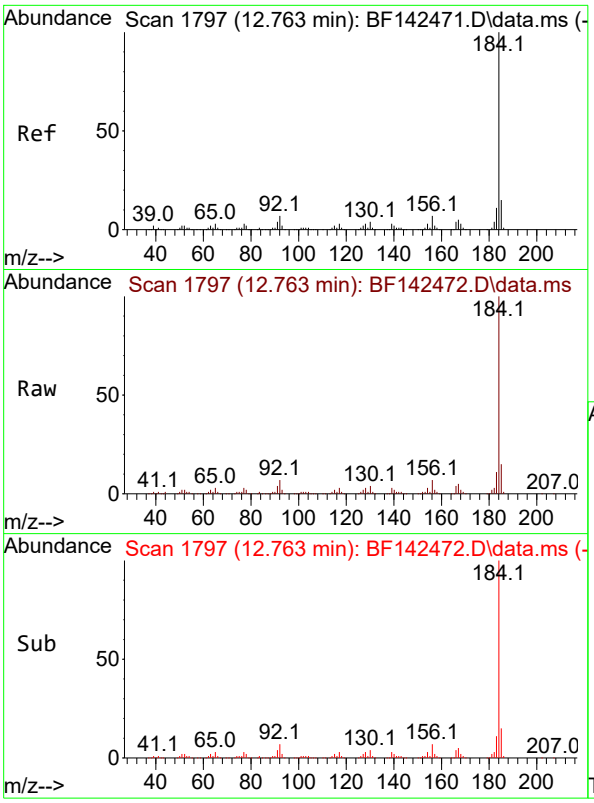


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:240 Resp: 149689

Ion	Ratio	Lower	Upper
240	100		
120	10.0	7.5	11.3
236	25.4	19.6	29.4



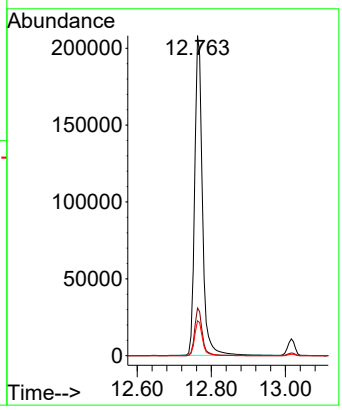


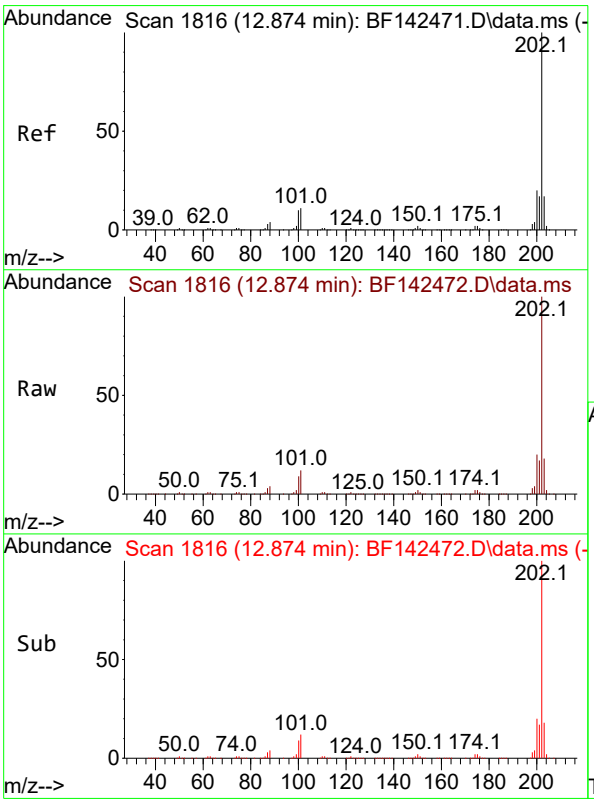
#77
Benzidine
Concen: 54.058 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 301122

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.6	17.4
183	10.9	9.0	13.4

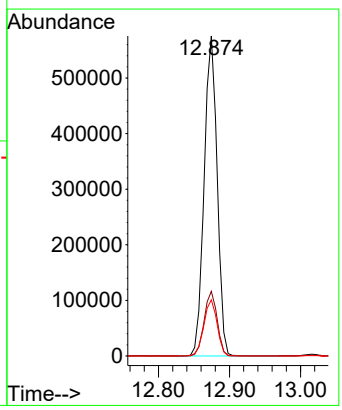


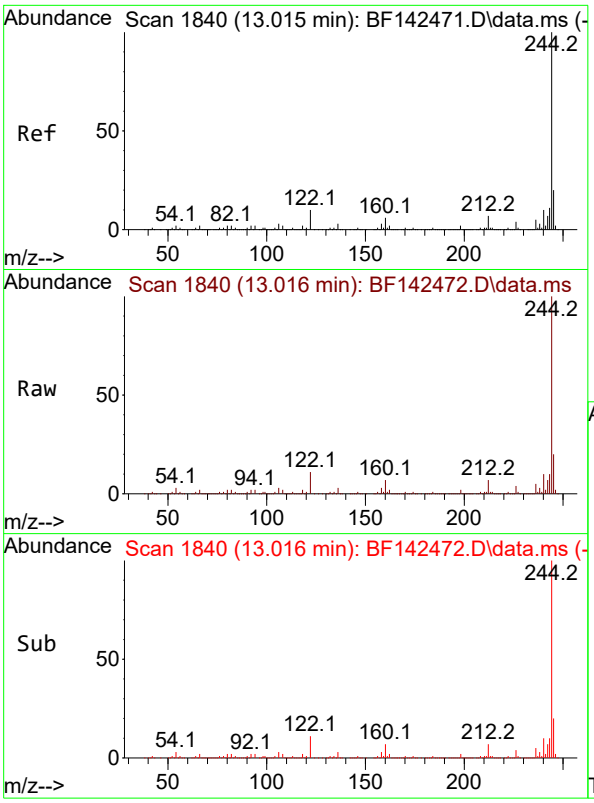


#78
Pyrene
Concen: 52.513 ng
RT: 12.874 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:202 Resp: 733277

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.1	24.1
203	17.5	13.9	20.9



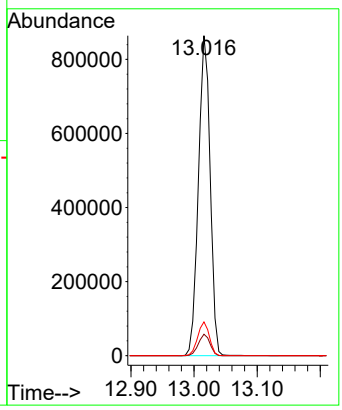


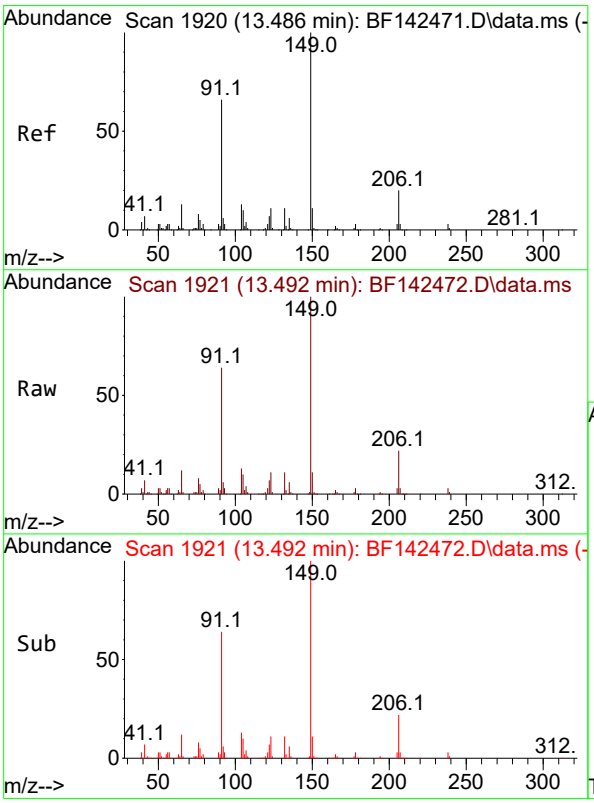
#79
Terphenyl-d14
Concen: 101.951 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 1116751

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	10.5	8.2	12.2

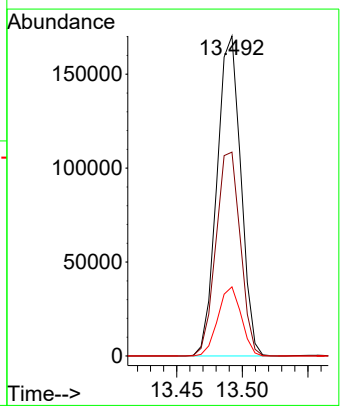


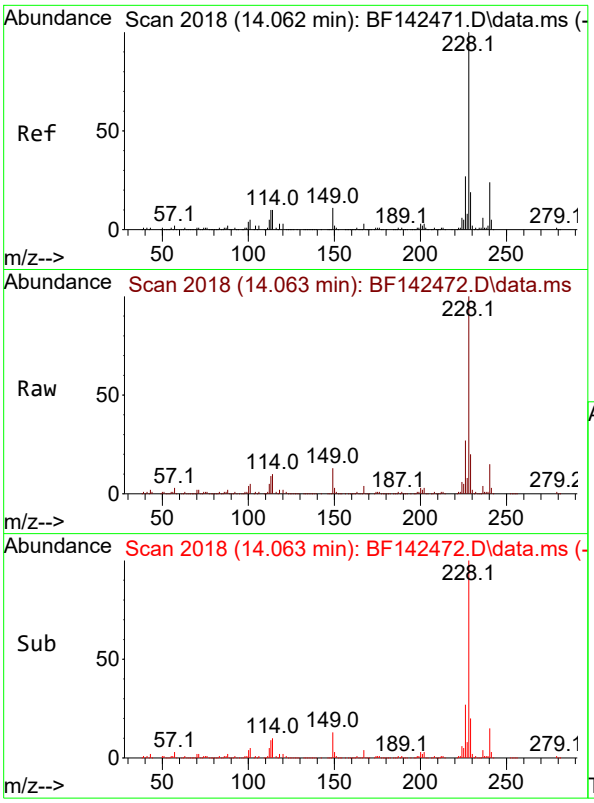


#80
Butylbenzylphthalate
Concen: 55.767 ng
RT: 13.492 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:149 Resp: 215174

Ion	Ratio	Lower	Upper
149	100		
91	63.7	52.9	79.3
206	21.6	16.2	24.2



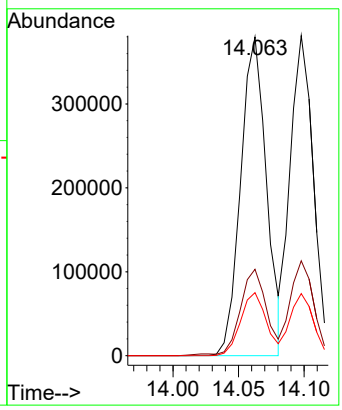


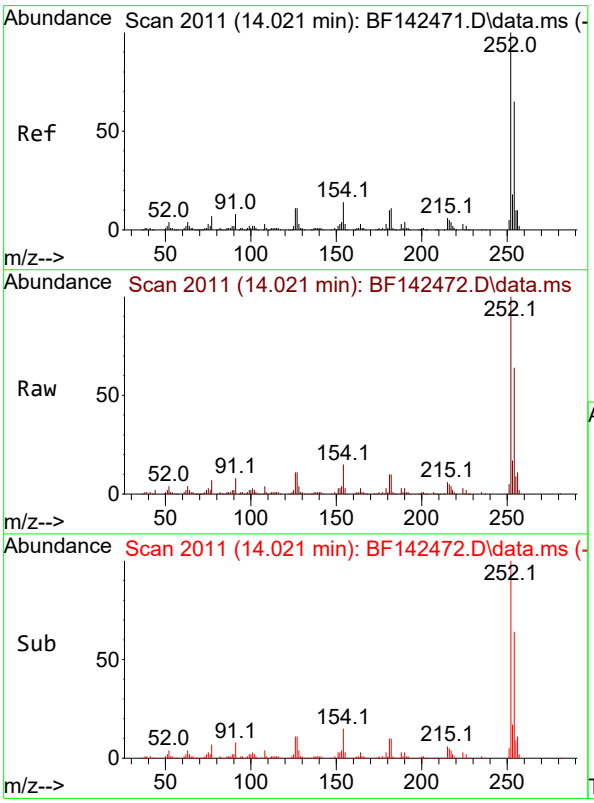
#81
Benzo(a)anthracene
Concen: 52.076 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 520525

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.2	31.8
229	19.8	15.5	23.3

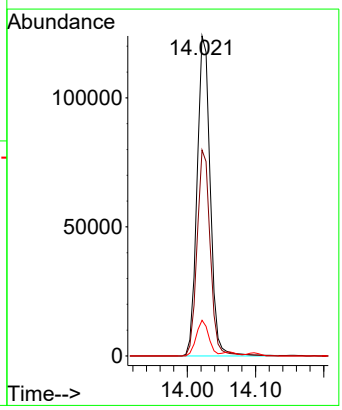


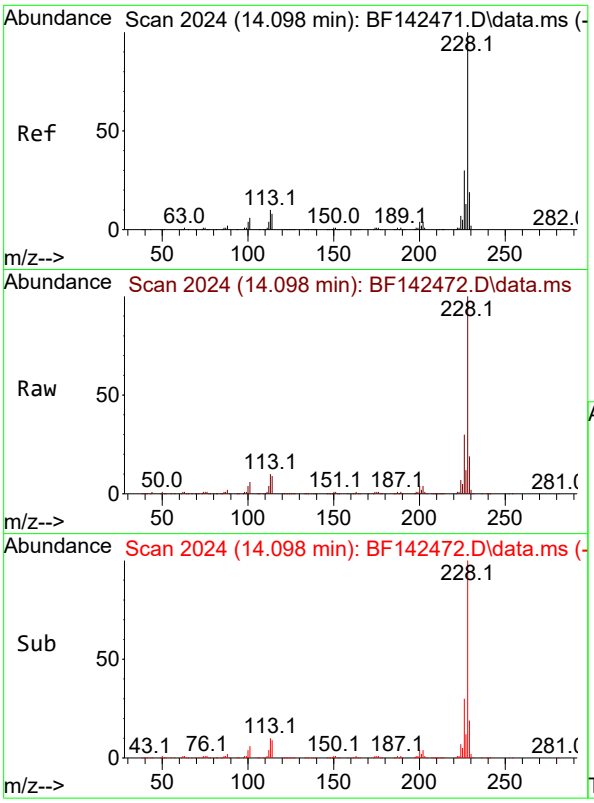


#82
3,3'-Dichlorobenzidine
Concen: 54.828 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:252 Resp: 166223

Ion	Ratio	Lower	Upper
252	100		
254	64.4	52.0	78.0
126	11.2	8.9	13.3



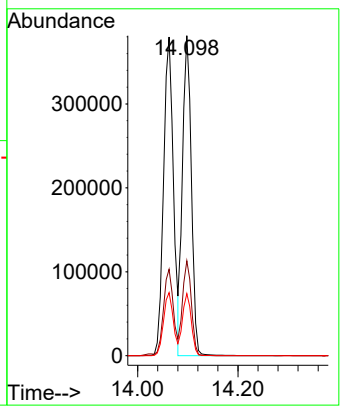


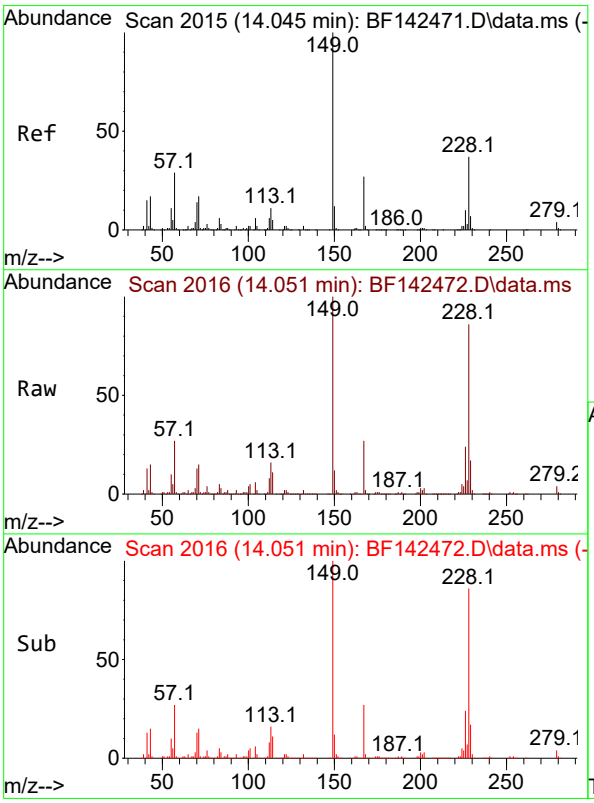
#83
Chrysene
Concen: 52.273 ng
RT: 14.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 469491

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.8	35.6
229	19.4	15.4	23.2

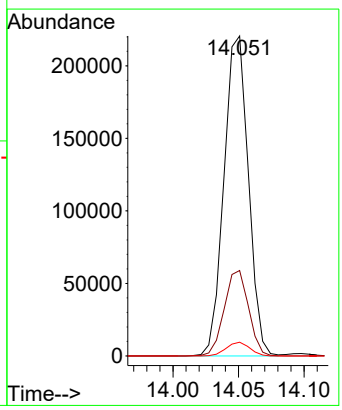


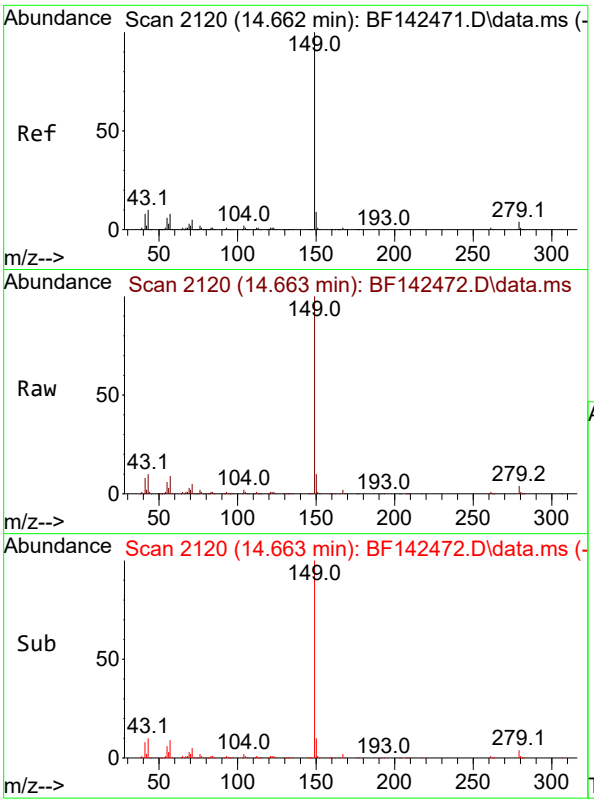


#84
Bis(2-ethylhexyl)phthalate
Concen: 57.932 ng
RT: 14.051 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:149 Resp: 286151

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.5	32.3
279	4.3	3.2	4.8



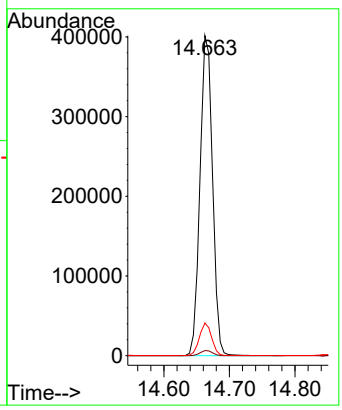


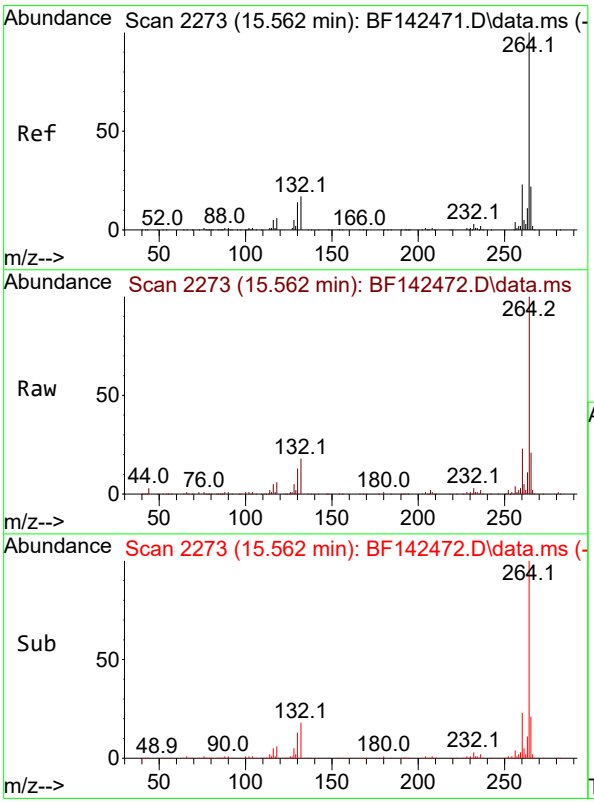
#85
Di-n-octyl phthalate
Concen: 55.482 ng
RT: 14.663 min Scan# 21
Delta R.T. -0.005 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 535844

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.9	7.9	11.9

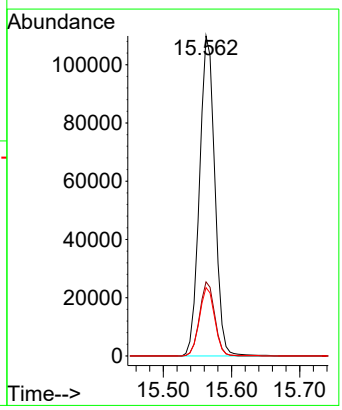


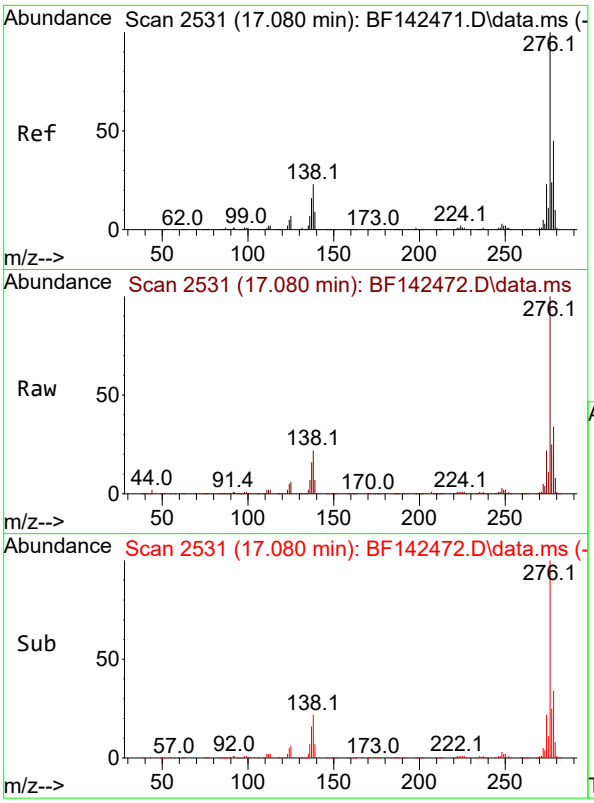


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:264 Resp: 171586

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	21.3	17.7	26.5



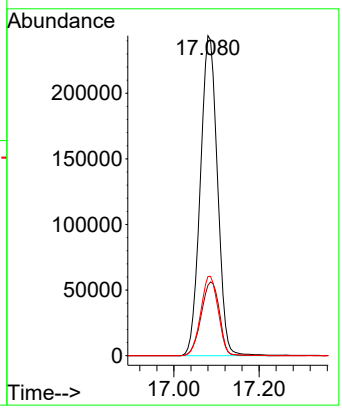


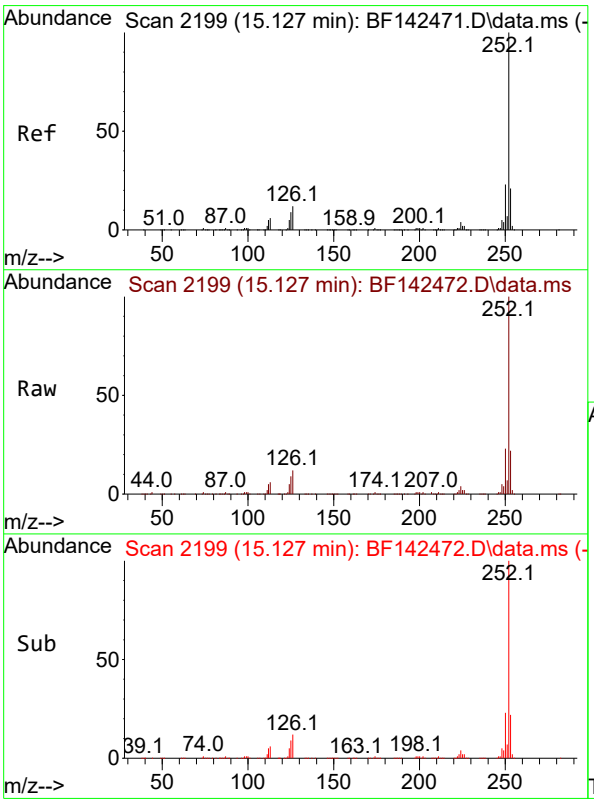
#87
Indeno(1,2,3-cd)pyrene
Concen: 52.730 ng
RT: 17.080 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 679247

Ion	Ratio	Lower	Upper
276	100		
138	24.5	19.9	29.9
277	25.3	20.2	30.2

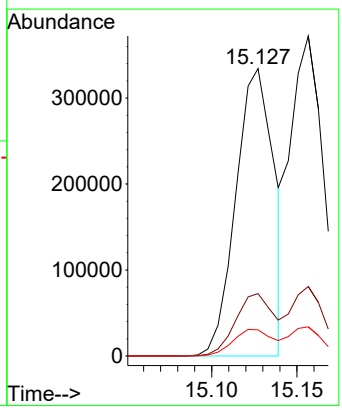


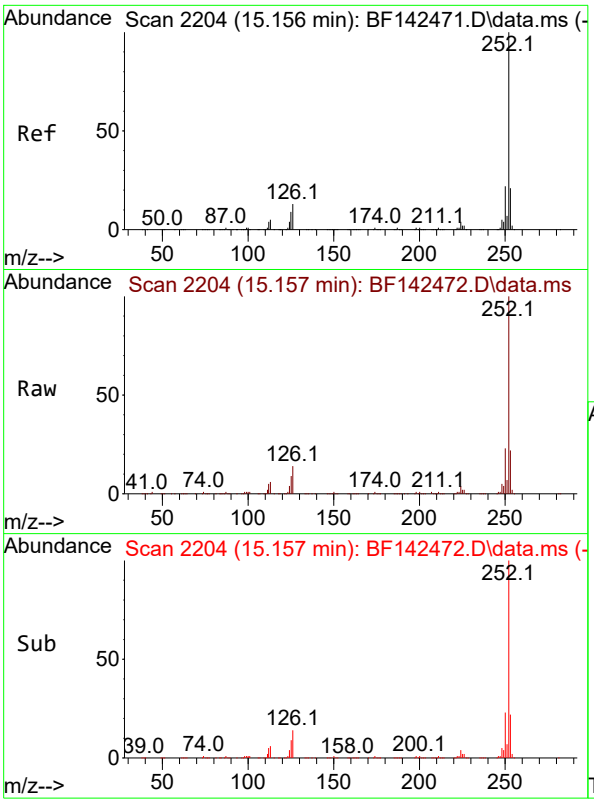


#88
Benzo(b)fluoranthene
Concen: 51.062 ng
RT: 15.127 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:252 Resp: 518544

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.0	25.4
125	9.1	7.4	11.0



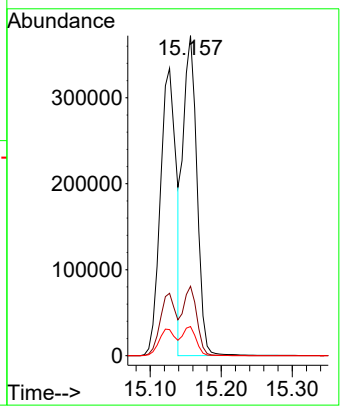


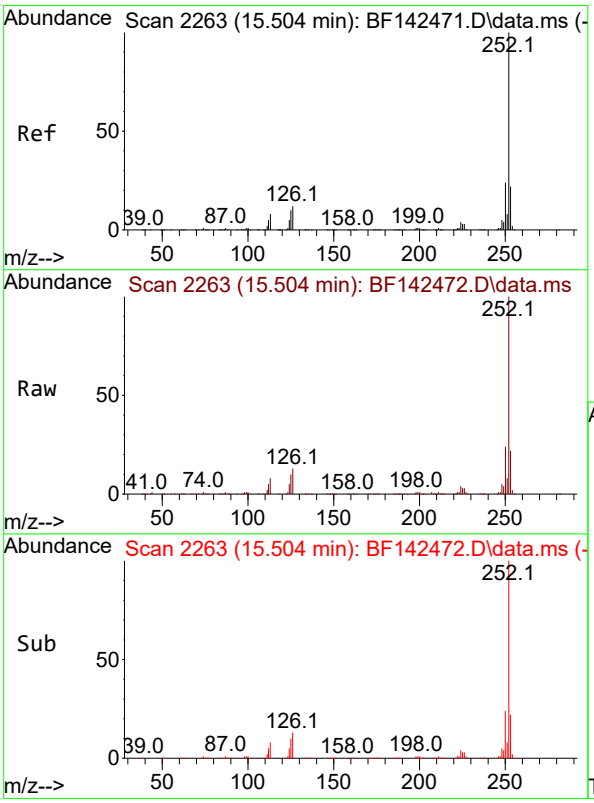
#89
Benzo(k)fluoranthene
Concen: 53.130 ng
RT: 15.157 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 505348

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.0	25.4
125	9.1	7.3	10.9

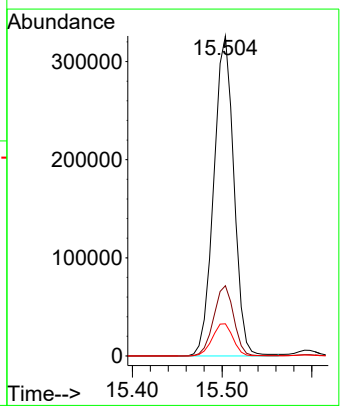


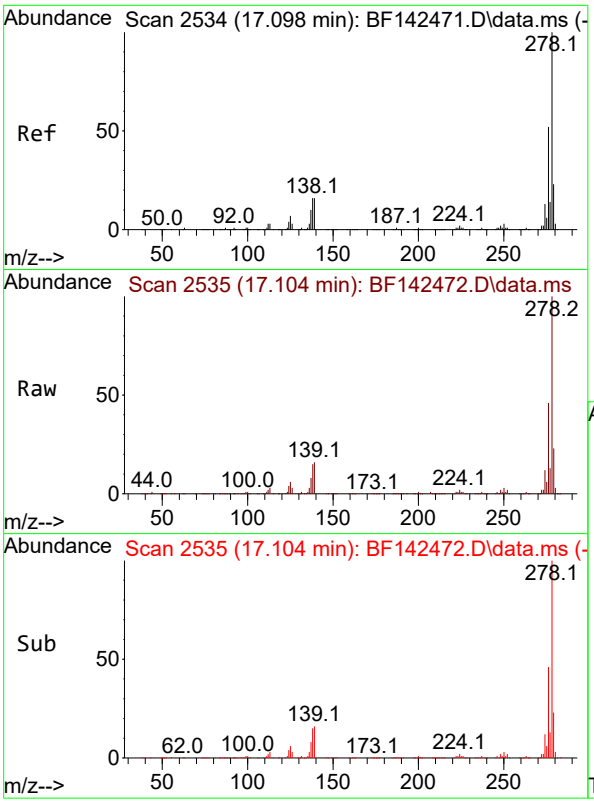


#90
Benzo(a)pyrene
Concen: 53.101 ng
RT: 15.504 min Scan# 2263
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:252 Resp: 508303

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	10.0	7.9	11.9



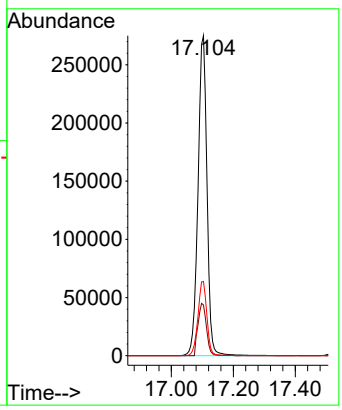


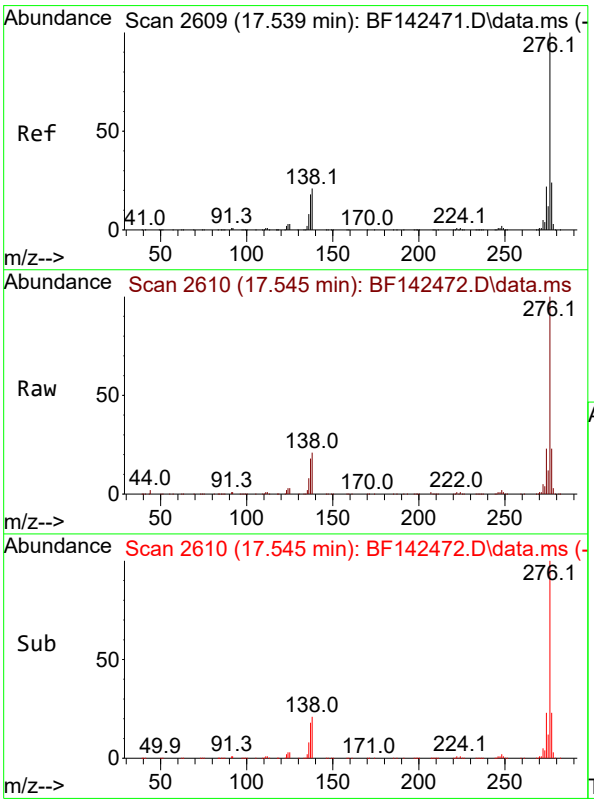
#91
Dibenzo(a,h)anthracene
Concen: 52.964 ng
RT: 17.104 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 553351

Ion	Ratio	Lower	Upper
278	100		
139	15.9	12.8	19.2
279	23.2	18.6	28.0

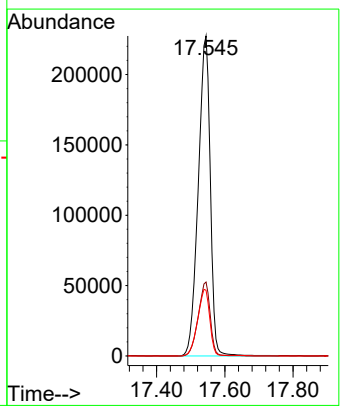




#92
Benzo(g,h,i)perylene
Concen: 53.328 ng
RT: 17.545 min Scan# 2610
Delta R.T. -0.012 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:276 Resp: 557271

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.2	28.8
138	20.5	16.8	25.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142473.D
Acq On : 20 May 2025 15:03
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: May 20 16:55:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.904	152	91151	20.000	ng		0.00
21) Naphthalene-d8	8.187	136	354160	20.000	ng		0.00
39) Acenaphthene-d10	9.945	164	187285	20.000	ng		0.00
64) Phenanthrene-d10	11.428	188	292190	20.000	ng		0.00
76) Chrysene-d12	14.074	240	143579	20.000	ng		0.00
86) Perylene-d12	15.563	264	183052	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	636815	117.703	ng		0.00
7) Phenol-d6	6.528	99	767355	117.823	ng		0.00
23) Nitrobenzene-d5	7.469	82	771758	118.825	ng		0.00
42) 2,4,6-Tribromophenol	10.733	330	244491	117.621	ng		0.00
45) 2-Fluorobiphenyl	9.263	172	1569136	112.426	ng		0.00
79) Terphenyl-d14	13.016	244	1151893	109.634	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.669	88	132790	61.335	ng		98
3) Pyridine	3.440	79	337570	61.229	ng		99
4) n-Nitrosodimethylamine	3.393	42	178276	62.278	ng		100
6) Aniline	6.563	93	522409	59.656	ng		99
8) 2-Chlorophenol	6.687	128	351459	59.640	ng		99
9) Benzaldehyde	6.451	77	207213	52.898	ng		99
10) Phenol	6.545	94	436789	59.604	ng		95
11) bis(2-Chloroethyl)ether	6.640	93	316232	59.948	ng		100
12) 1,3-Dichlorobenzene	6.845	146	384777	58.514	ng		99
13) 1,4-Dichlorobenzene	6.922	146	390981	59.027	ng		99
14) 1,2-Dichlorobenzene	7.075	146	370996	58.534	ng		99
15) Benzyl Alcohol	7.040	79	293457	60.973	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.175	45	519064	58.593	ng		99
17) 2-Methylphenol	7.151	107	277466	60.306	ng		99
18) Hexachloroethane	7.416	117	135953	58.780	ng		99
19) n-Nitroso-di-n-propyla...	7.322	70	236814	58.671	ng		98
20) 3+4-Methylphenols	7.304	107	341788	58.010	ng	#	87
22) Acetophenone	7.316	105	454226	57.937	ng		99
24) Nitrobenzene	7.487	77	351378	59.984	ng		98
25) Isophorone	7.728	82	644818	59.381	ng		99
26) 2-Nitrophenol	7.798	139	193662	61.872	ng		98
27) 2,4-Dimethylphenol	7.834	122	331159	59.994	ng		99
28) bis(2-Chloroethoxy)met...	7.934	93	398177	58.699	ng		99
29) 2,4-Dichlorophenol	8.045	162	300754	59.913	ng		98
30) 1,2,4-Trichlorobenzene	8.128	180	318487	58.460	ng		99
31) Naphthalene	8.210	128	1012926	58.085	ng		99
32) Benzoic acid	7.957	122	221962	66.059	ng		99
33) 4-Chloroaniline	8.257	127	421281	59.619	ng		99
34) Hexachlorobutadiene	8.328	225	203527	59.831	ng		99
35) Caprolactam	8.634	113	82688	58.650	ng		100
36) 4-Chloro-3-methylphenol	8.734	107	305341	59.352	ng		99
37) 2-Methylnaphthalene	8.898	142	635148	57.893	ng		100
38) 1-Methylnaphthalene	8.998	142	649652	57.247	ng		100
40) 1,2,4,5-Tetrachloroben...	9.063	216	321732	59.844	ng		99
41) Hexachlorocyclopentadiene	9.051	237	238708	65.820	ng		99
43) 2,4,6-Trichlorophenol	9.175	196	217868	60.098	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142473.D
Acq On : 20 May 2025 15:03
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: May 20 16:55:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	229079	59.916	ng	99
46) 1,1'-Biphenyl	9.363	154	846783	58.279	ng	99
47) 2-Chloronaphthalene	9.392	162	630647	58.746	ng	99
48) 2-Nitroaniline	9.481	65	186466	60.093	ng	98
49) Acenaphthylene	9.804	152	1058826	58.411	ng	100
50) Dimethylphthalate	9.669	163	705857	57.119	ng	100
51) 2,6-Dinitrotoluene	9.728	165	157884	59.195	ng	99
52) Acenaphthene	9.981	154	643773	58.160	ng	99
53) 3-Nitroaniline	9.898	138	171137	58.746	ng	99
54) 2,4-Dinitrophenol	9.998	184	89741	65.126	ng	88
55) Dibenzofuran	10.151	168	918703	57.677	ng	100
56) 4-Nitrophenol	10.045	139	128501	59.782	ng	96
57) 2,4-Dinitrotoluene	10.128	165	209035	60.012	ng	100
58) Fluorene	10.492	166	695462	56.516	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	187067	58.609	ng	98
60) Diethylphthalate	10.363	149	684259	56.695	ng	100
61) 4-Chlorophenyl-phenyle...	10.481	204	343838	56.880	ng	98
62) 4-Nitroaniline	10.510	138	148755	56.302	ng	99
63) Azobenzene	10.645	77	631137	58.221	ng	99
65) 4,6-Dinitro-2-methylph...	10.539	198	109172	66.950	ng	98
66) n-Nitrosodiphenylamine	10.604	169	608394	60.861	ng	100
67) 4-Bromophenyl-phenylether	10.975	248	212638	61.546	ng	99
68) Hexachlorobenzene	11.039	284	229917	60.168	ng	98
69) Atrazine	11.128	200	158234	59.604	ng	100
70) Pentachlorophenol	11.233	266	137347	63.663	ng	99
71) Phenanthrene	11.457	178	905073	57.961	ng	100
72) Anthracene	11.510	178	918369	57.627	ng	99
73) Carbazole	11.663	167	769151	56.455	ng	100
74) Di-n-butylphthalate	11.986	149	853524	57.234	ng	100
75) Fluoranthene	12.645	202	789533	54.112	ng	99
77) Benzidine	12.763	184	300547	56.251	ng	100
78) Pyrene	12.874	202	763672	57.017	ng	100
80) Butylbenzylphthalate	13.492	149	236758	63.972	ng	97
81) Benzo(a)anthracene	14.063	228	571607	59.620	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	190415	65.480	ng	100
83) Chrysene	14.098	228	526831	61.153	ng	100
84) Bis(2-ethylhexyl)phtha...	14.051	149	334950	70.698	ng	98
85) Di-n-octyl phthalate	14.663	149	664220	71.701	ng	100
87) Indeno(1,2,3-cd)pyrene	17.086	276	848752	61.761	ng	100
88) Benzo(b)fluoranthene	15.127	252	616210	56.878	ng	99
89) Benzo(k)fluoranthene	15.157	252	619660	61.068	ng	98
90) Benzo(a)pyrene	15.504	252	622347	60.943	ng	99
91) Dibenzo(a,h)anthracene	17.104	278	683473	61.321	ng	99
92) Benzo(g,h,i)perylene	17.545	276	683528	61.313	ng	99

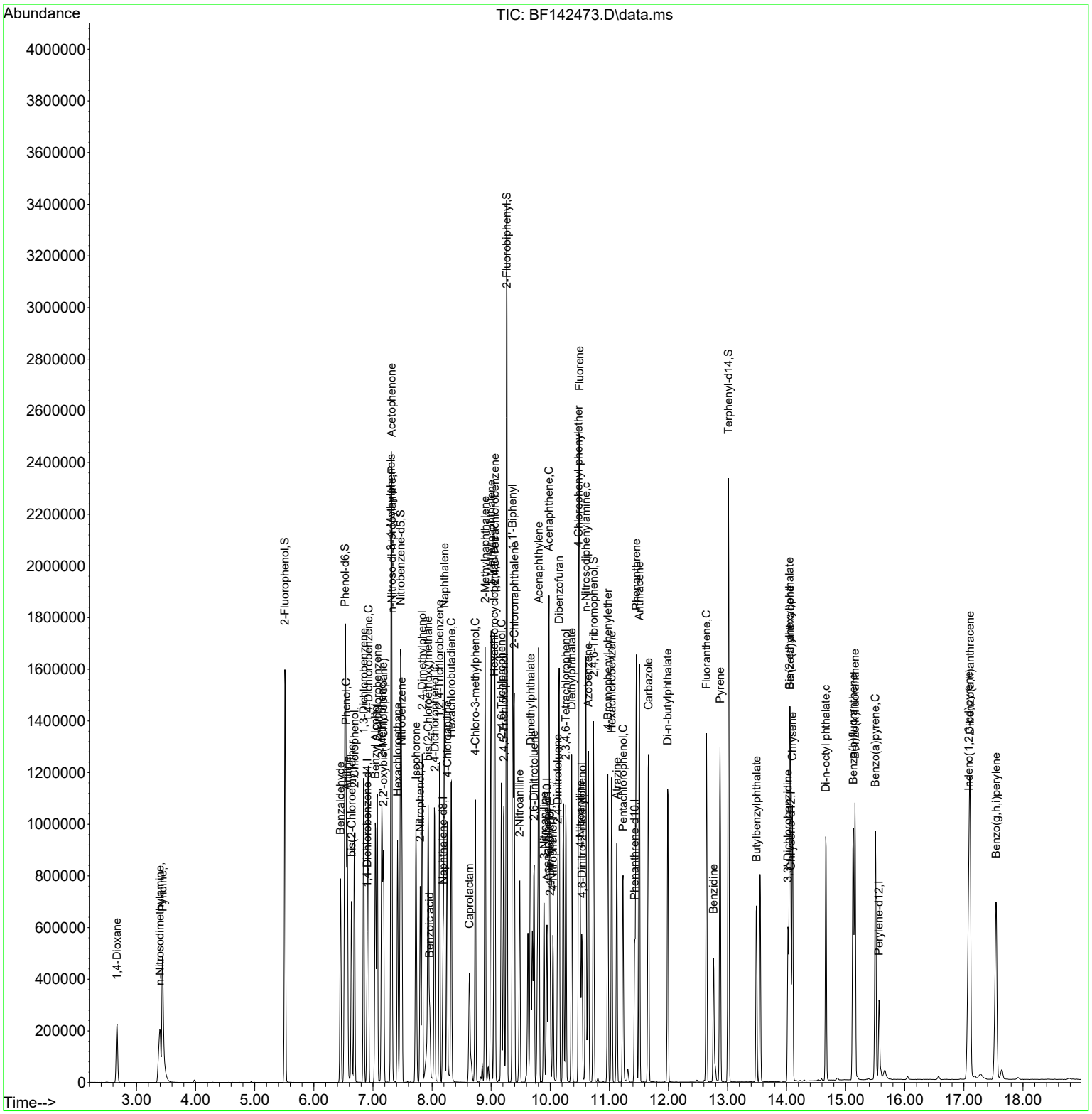
(#) = qualifier out of range (m) = manual integration (+) = signals summed

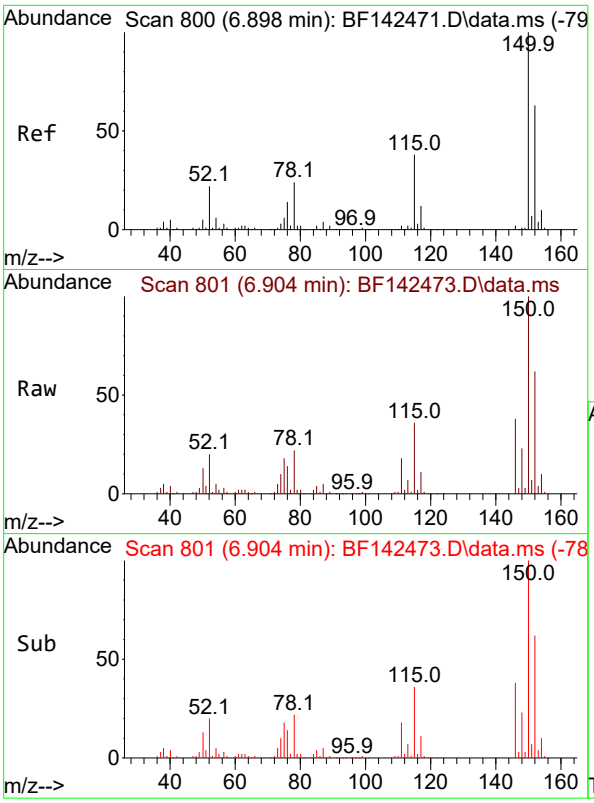
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142473.D
Acq On : 20 May 2025 15:03
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: May 20 16:55:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



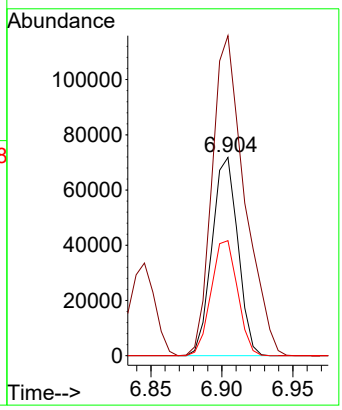


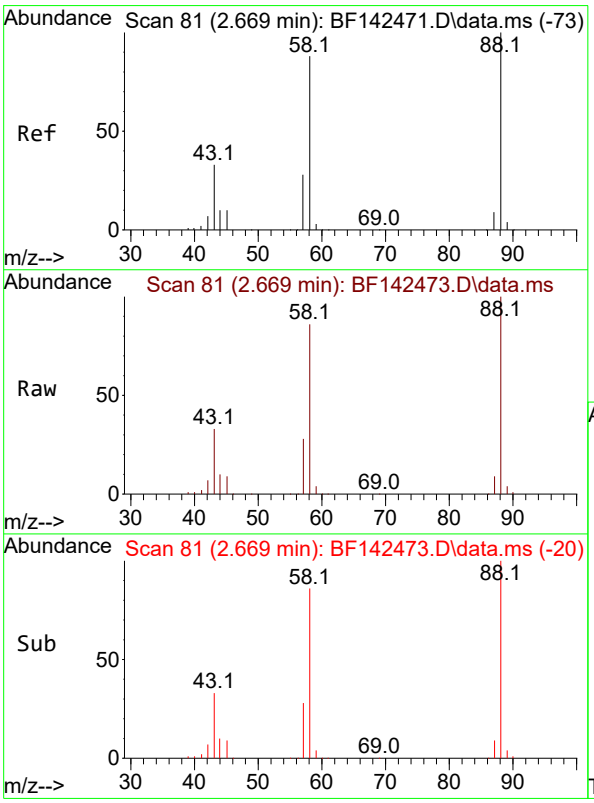
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 91151

Ion	Ratio	Lower	Upper
152	100		
150	161.4	128.2	192.4
115	58.0	48.3	72.5

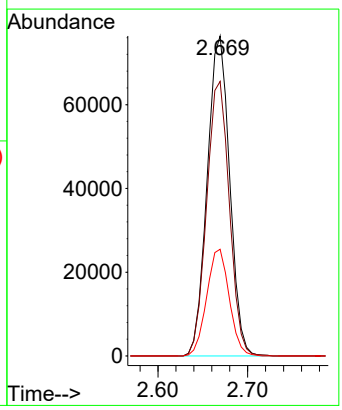


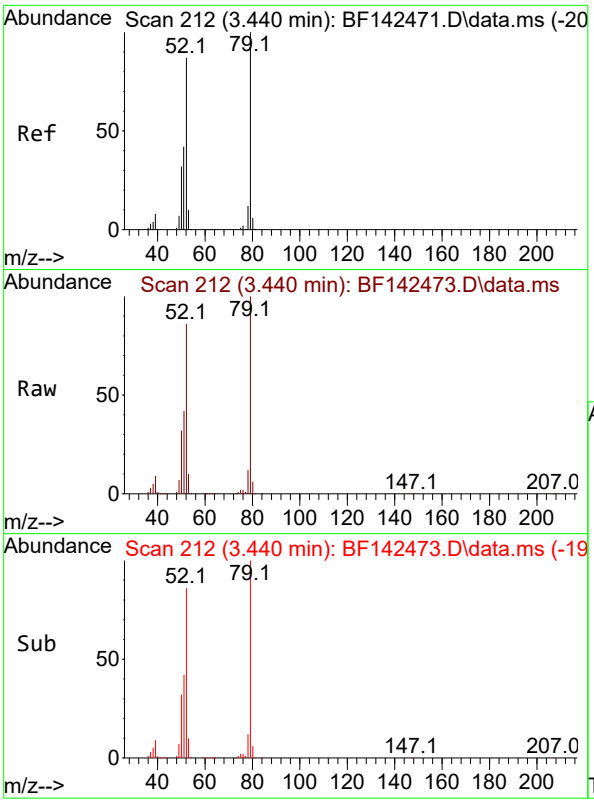


#2
1,4-Dioxane
Concen: 61.335 ng
RT: 2.669 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion: 88 Resp: 132790

Ion	Ratio	Lower	Upper
88	100		
58	86.7	70.8	106.2
43	33.5	26.6	40.0



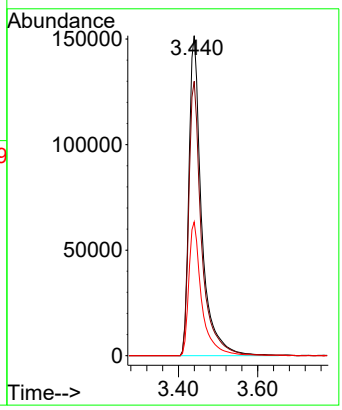


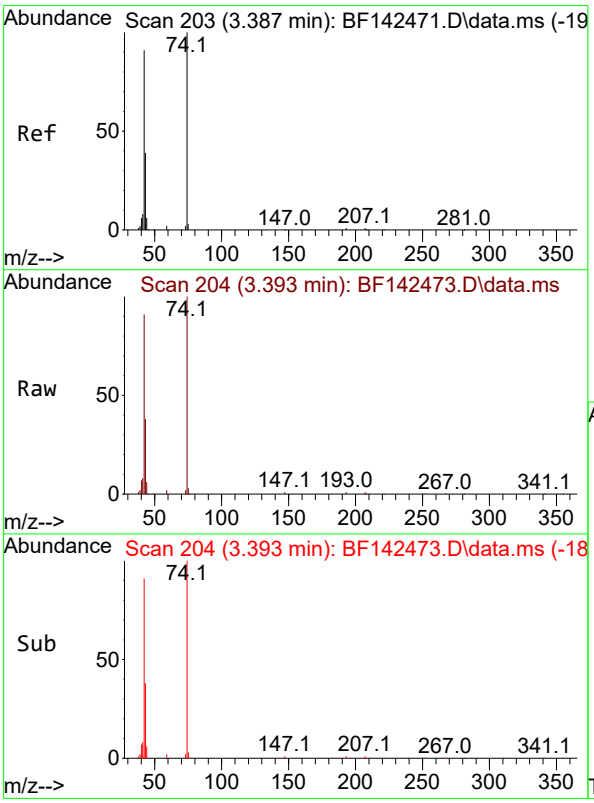
#3
Pyridine
Concen: 61.229 ng
RT: 3.440 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 337570

Ion	Ratio	Lower	Upper
79	100		
52	85.7	69.2	103.8
51	41.8	33.3	49.9

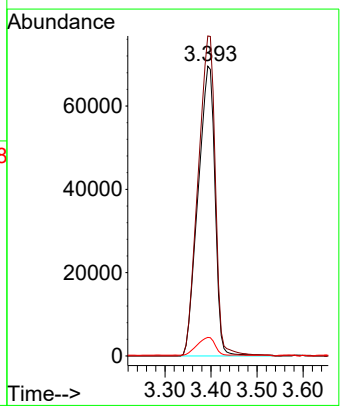


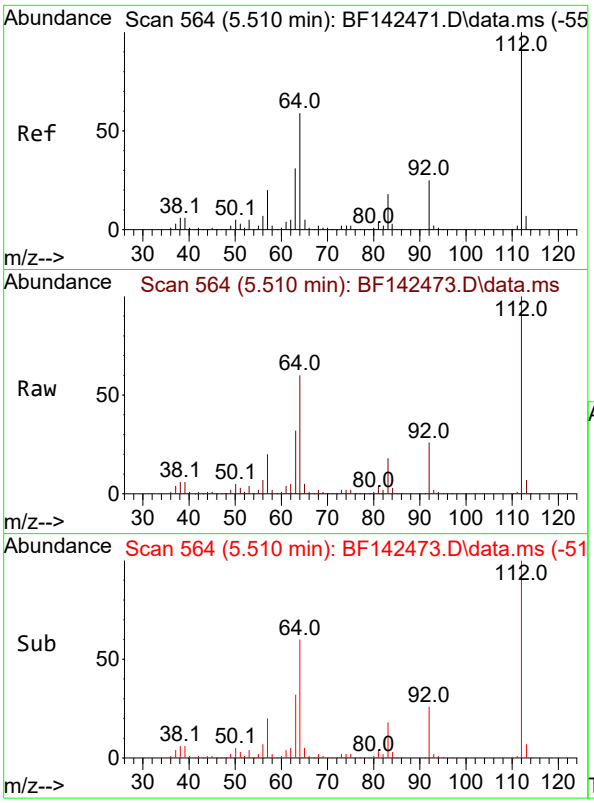


#4
n-Nitrosodimethylamine
Concen: 62.278 ng
RT: 3.393 min Scan# 204
Delta R.T. -0.012 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion: 42 Resp: 178276

Ion	Ratio	Lower	Upper
42	100		
74	110.4	88.2	132.4
44	6.4	5.4	8.2



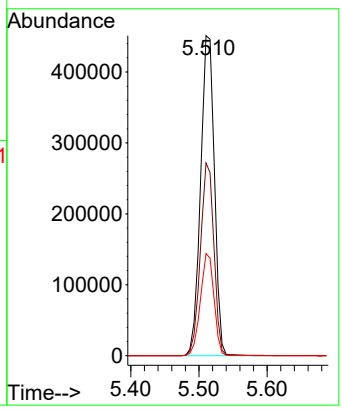


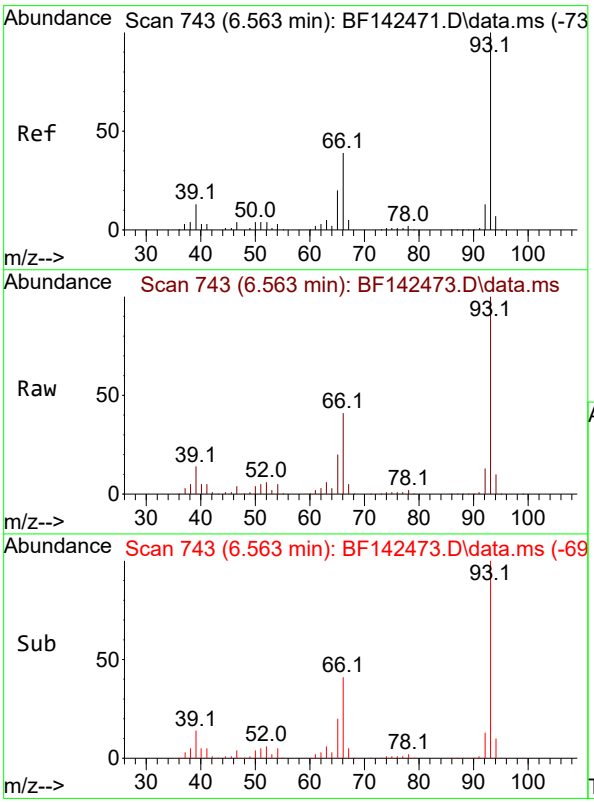
#5
2-Fluorophenol
Concen: 117.703 ng
RT: 5.510 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 636815

Ion	Ratio	Lower	Upper
112	100		
64	60.2	47.5	71.3
63	31.9	24.9	37.3

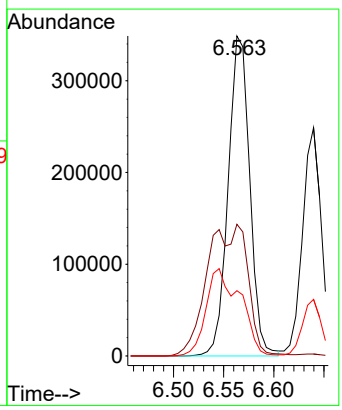


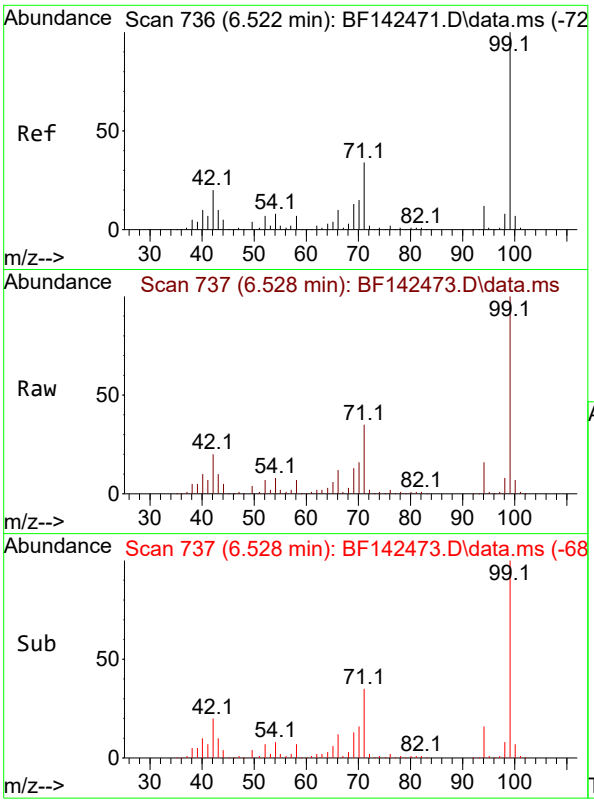


#6
Aniline
Concen: 59.656 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion: 93 Resp: 522409

Ion	Ratio	Lower	Upper
93	100		
66	41.2	32.0	48.0
65	20.4	16.1	24.1



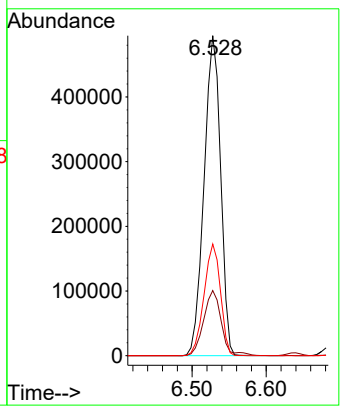


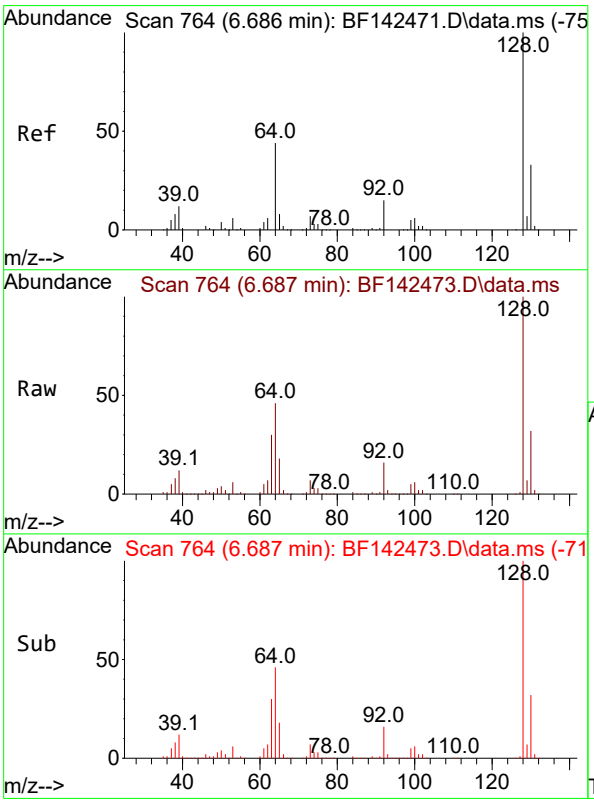
#7
Phenol-d6
Concen: 117.823 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 767355

Ion	Ratio	Lower	Upper
99	100		
42	20.4	16.2	24.2
71	34.9	27.3	40.9

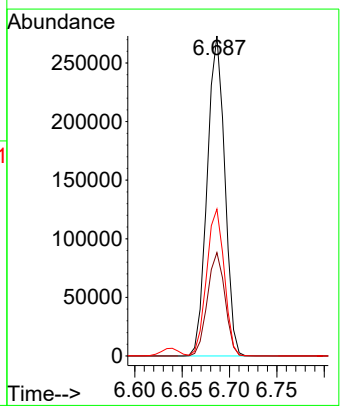


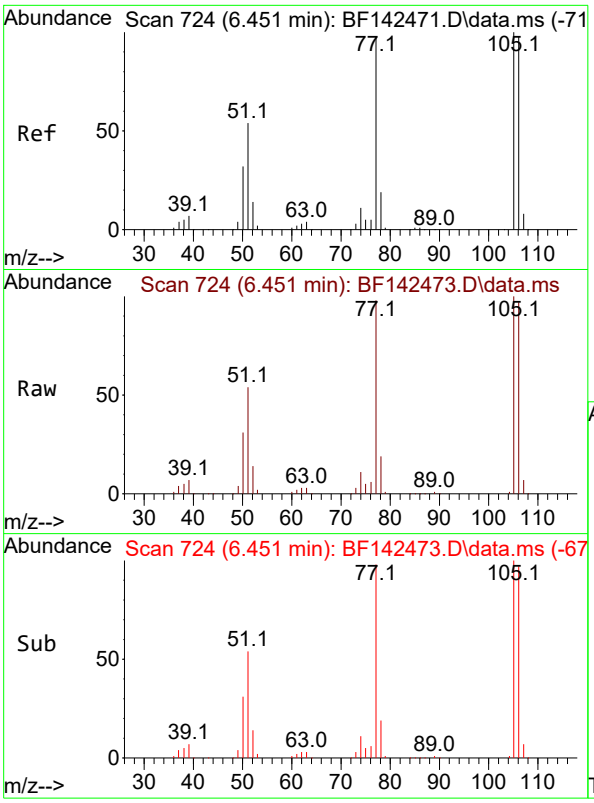


#8
2-Chlorophenol
Concen: 59.640 ng
RT: 6.687 min Scan# 764
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:128 Resp: 351459

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.6	52.6
64	45.9	25.1	65.1



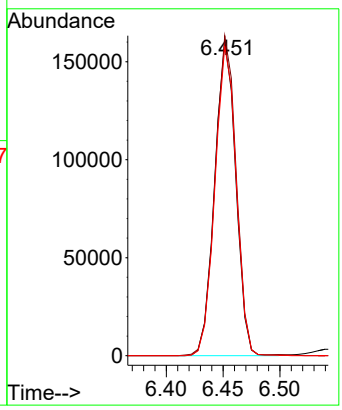


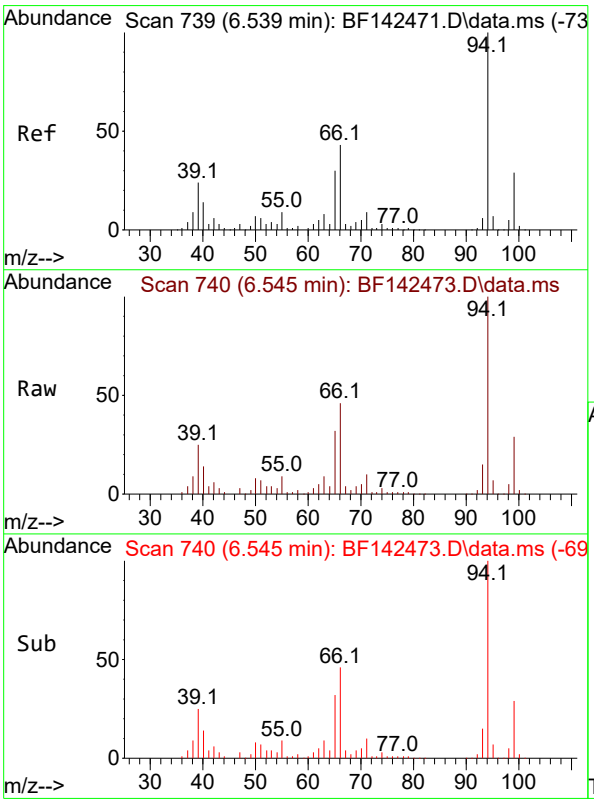
#9
Benzaldehyde
Concen: 52.898 ng
RT: 6.451 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 207213

Ion	Ratio	Lower	Upper
77	100		
105	101.7	82.5	122.5
106	98.3	80.0	120.0

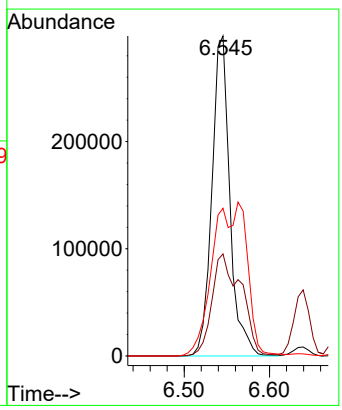


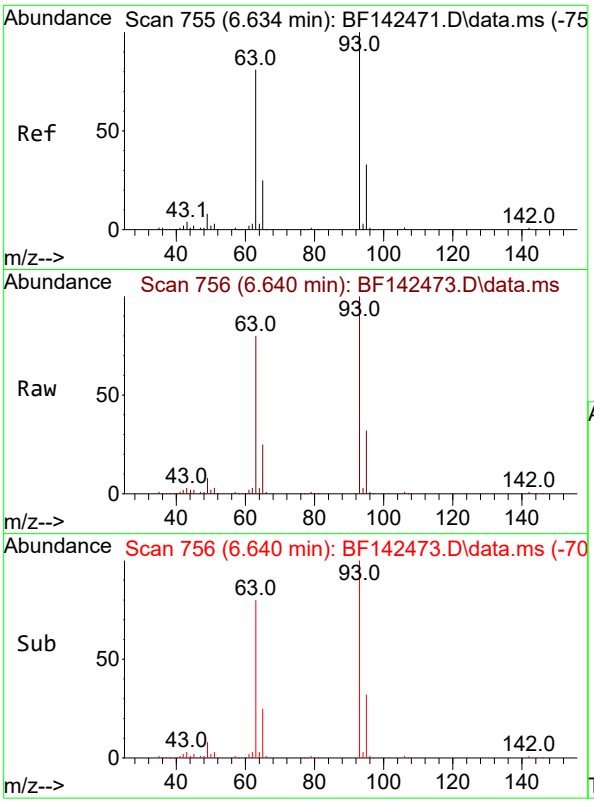


#10
Phenol
Concen: 59.604 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion: 94 Resp: 436789

Ion	Ratio	Lower	Upper
94	100		
65	31.9	10.3	50.3
66	46.2	22.6	62.6



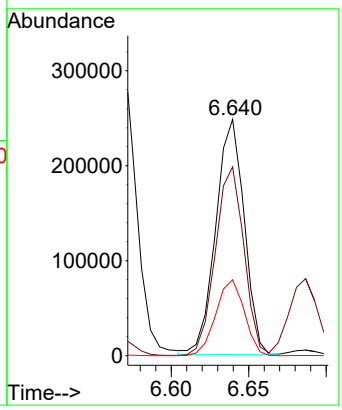


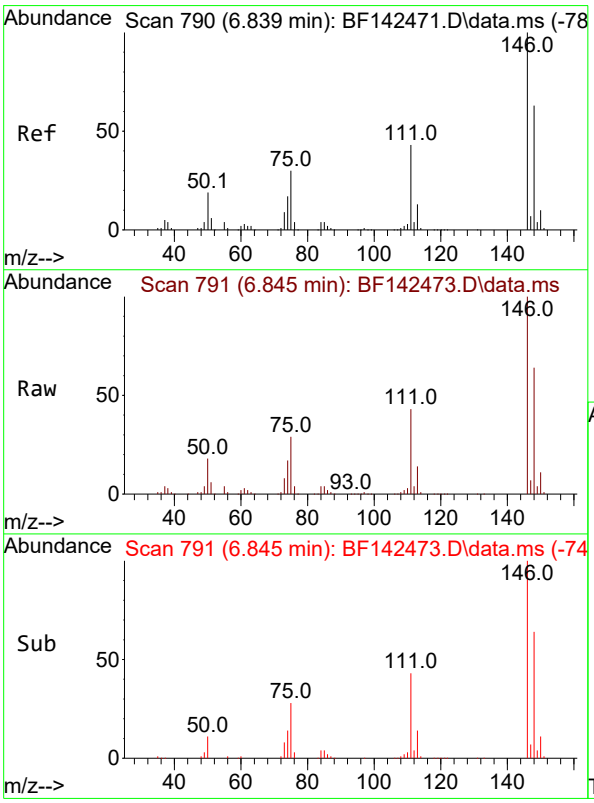
#11
bis(2-Chloroethyl)ether
Concen: 59.948 ng
RT: 6.640 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 316232

Ion	Ratio	Lower	Upper
93	100		
63	79.9	60.2	100.2
95	32.2	12.3	52.3

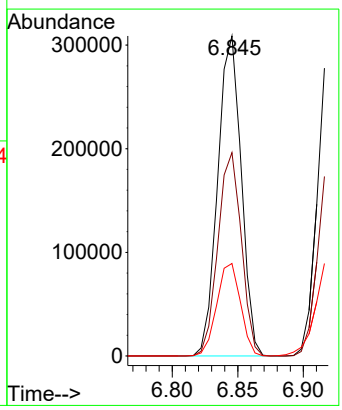


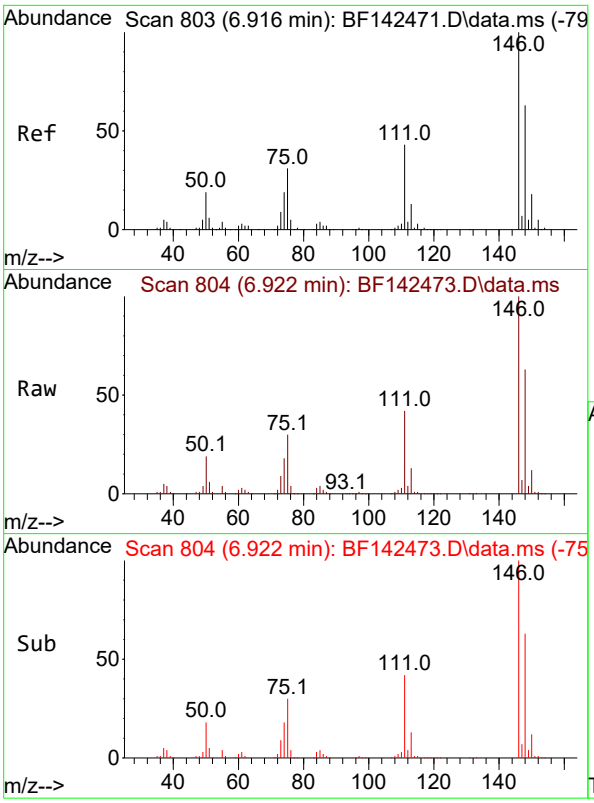


#12
1,3-Dichlorobenzene
Concen: 58.514 ng
RT: 6.845 min Scan# 791
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:146 Resp: 384777

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.6	75.8
75	28.9	23.8	35.6



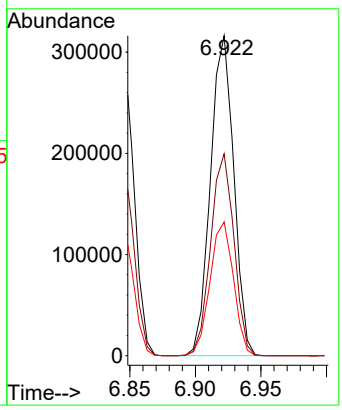


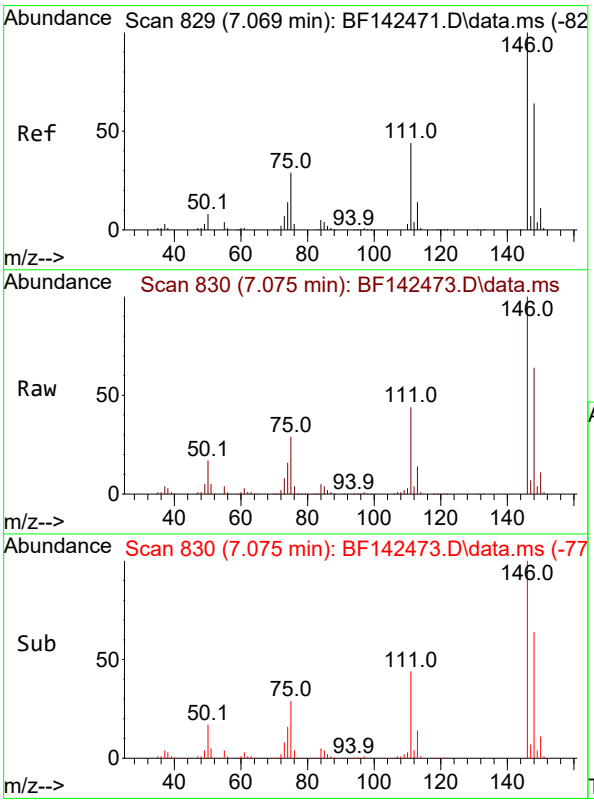
#13
1,4-Dichlorobenzene
Concen: 59.027 ng
RT: 6.922 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 390981

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.4	75.6
111	41.8	34.1	51.1

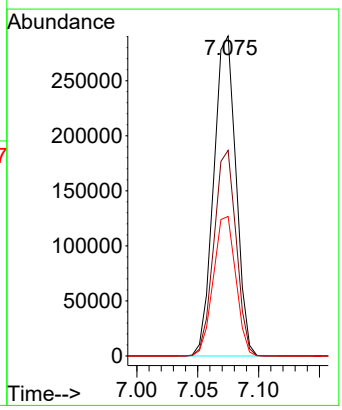


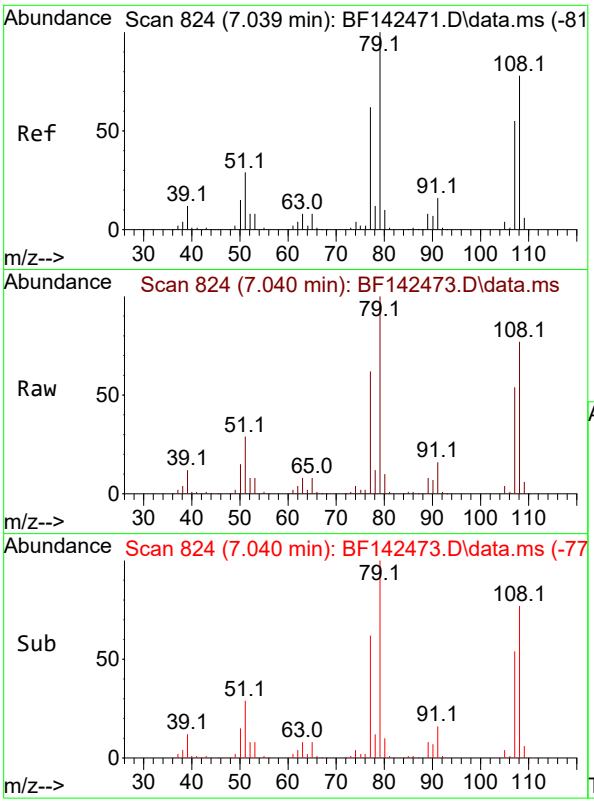


#14
1,2-Dichlorobenzene
Concen: 58.534 ng
RT: 7.075 min Scan# 830
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:146 Resp: 370996

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.0	76.4
111	43.6	35.0	52.6



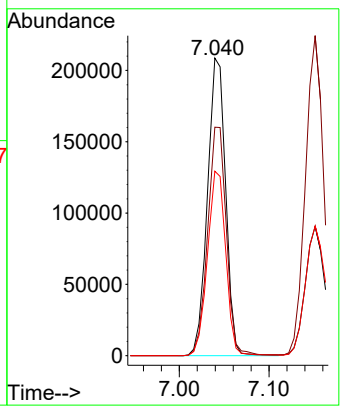


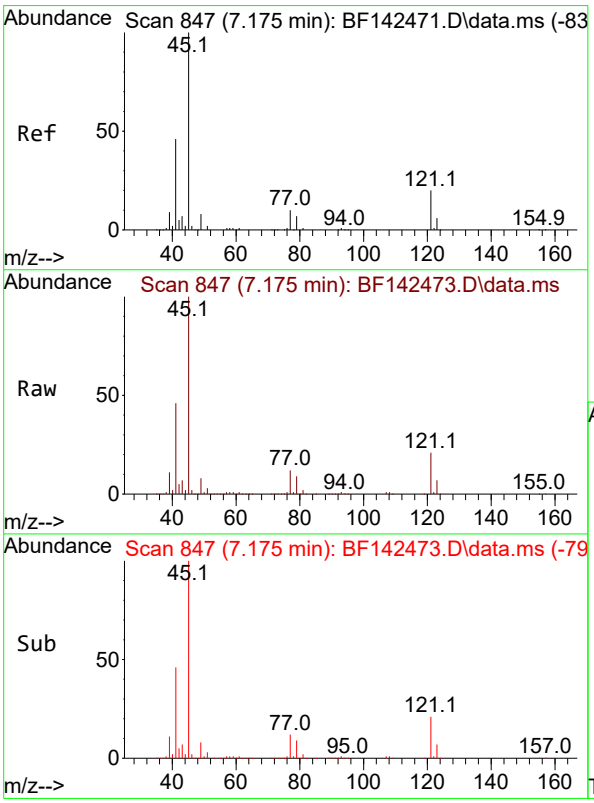
#15
Benzyl Alcohol
Concen: 60.973 ng
RT: 7.040 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 293457

Ion	Ratio	Lower	Upper
79	100		
108	76.8	62.1	93.1
77	62.0	49.5	74.3

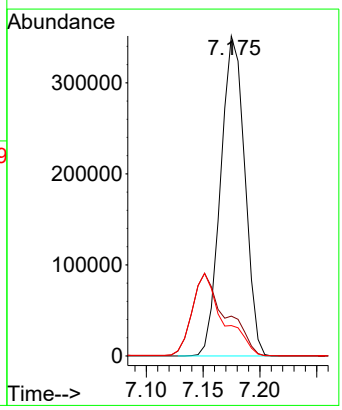


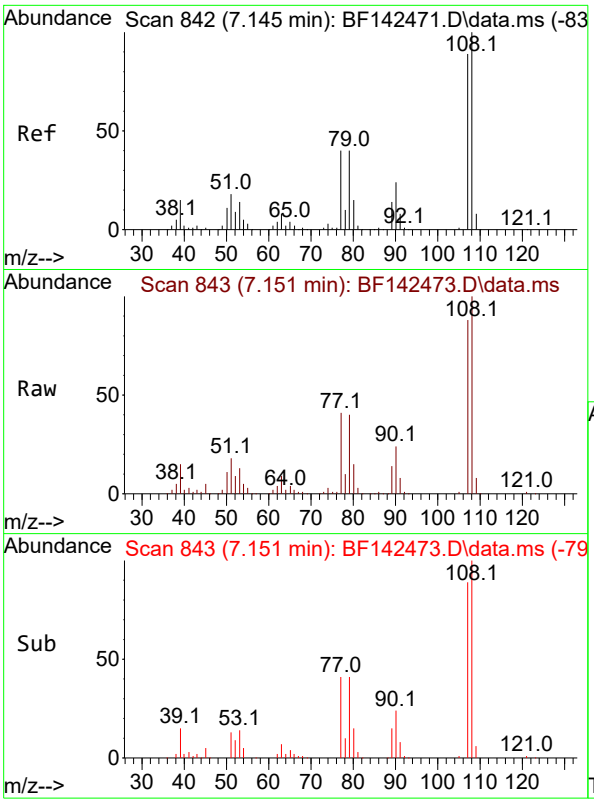


#16
2,2'-oxybis(1-Chloropropane)
Concen: 58.593 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion: 45 Resp: 519064

Ion	Ratio	Lower	Upper
45	100		
77	12.5	0.0	32.0
79	9.5	0.0	29.2



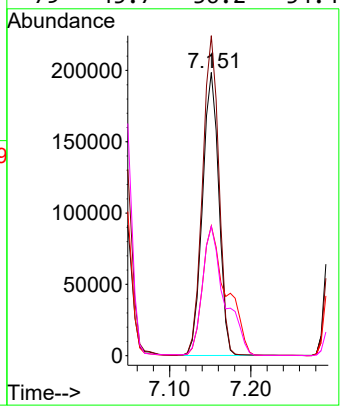


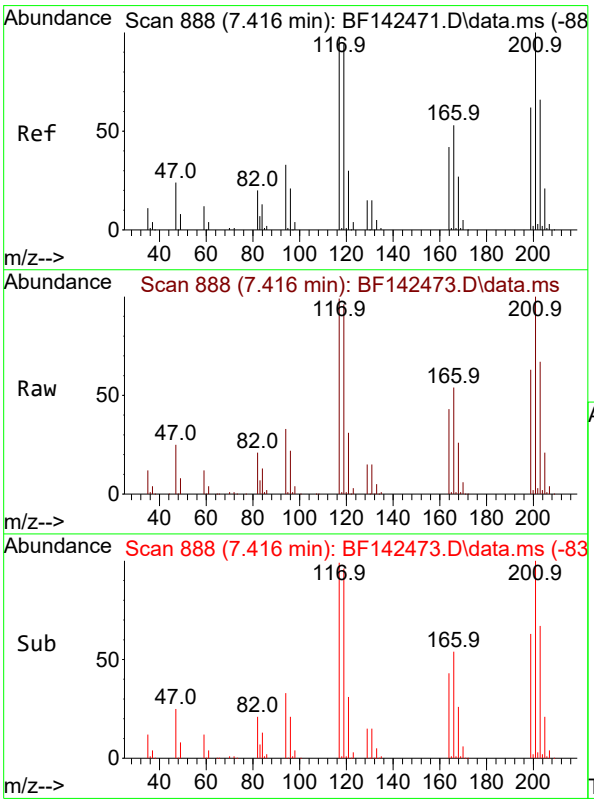
#17
2-Methylphenol
Concen: 60.306 ng
RT: 7.151 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 277466

Ion	Ratio	Lower	Upper
107	100		
108	113.0	90.2	135.2
77	45.8	36.1	54.1
79	45.7	36.2	54.4

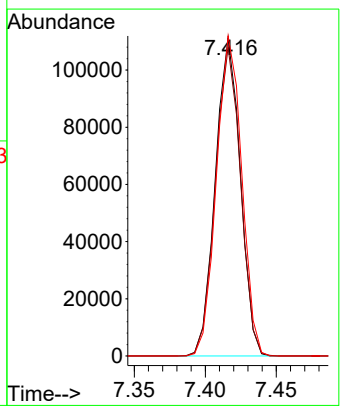


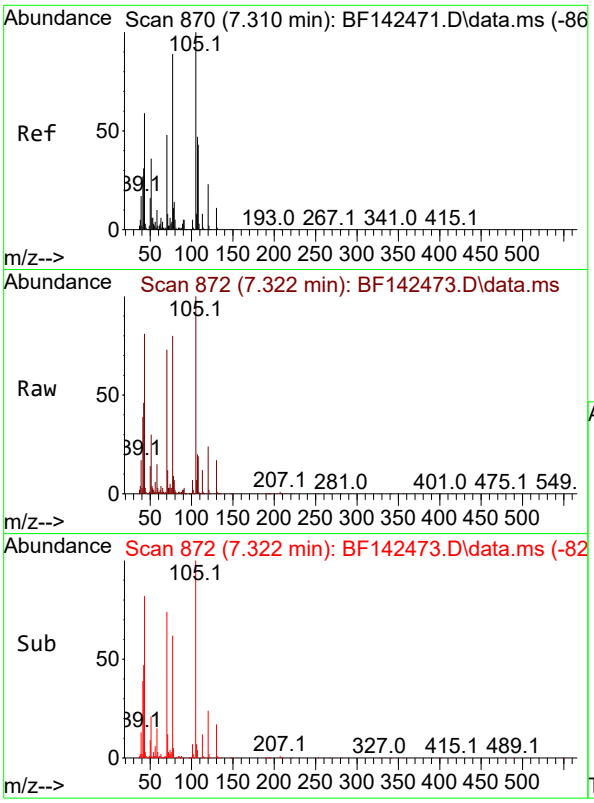


#18
Hexachloroethane
Concen: 58.780 ng
RT: 7.416 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:117 Resp: 135953

Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.6	114.8
201	100.6	81.3	121.9



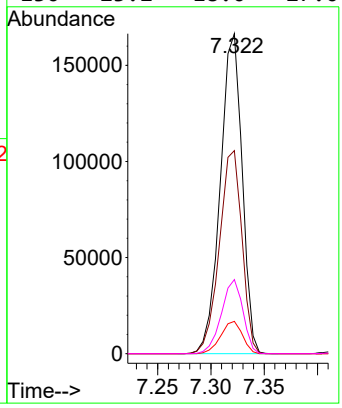


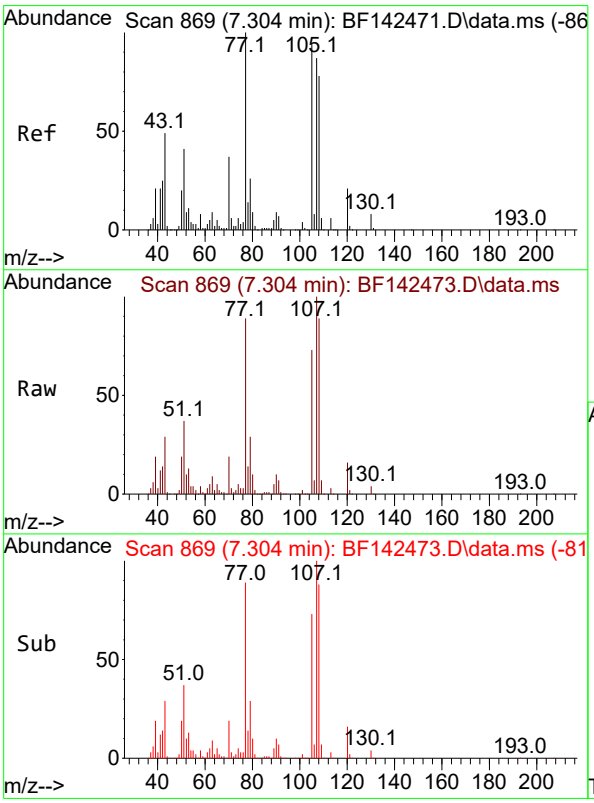
#19
n-Nitroso-di-n-propylamine
Concen: 58.671 ng
RT: 7.322 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 236814

Ion	Ratio	Lower	Upper
70	100		
42	63.4	52.4	78.6
101	10.1	7.8	11.8
130	23.2	18.0	27.0

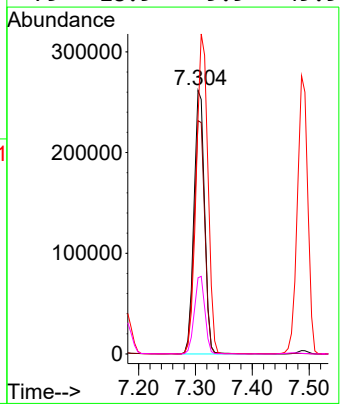


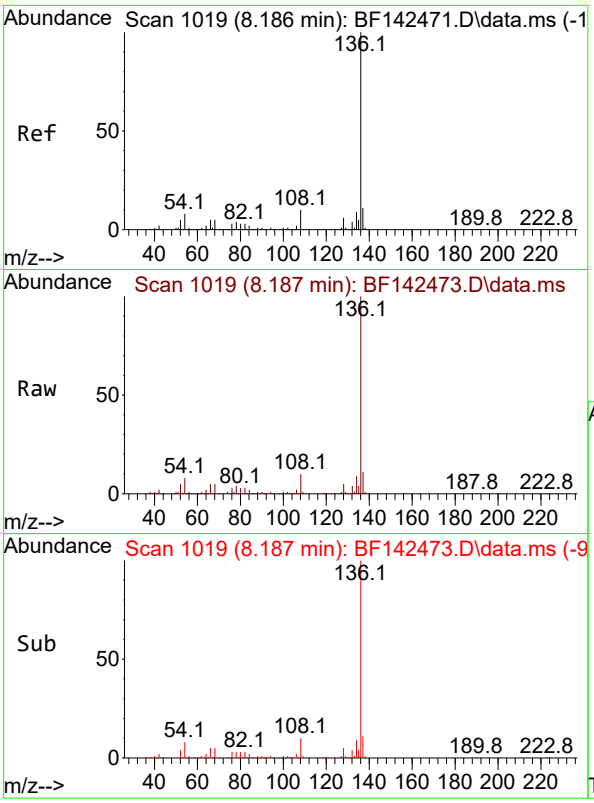


#20
3+4-Methylphenols
Concen: 58.010 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:107 Resp: 341788

Ion	Ratio	Lower	Upper
107	100		
108	88.5	70.4	110.4
77	89.5	95.4	135.4#
79	28.9	9.9	49.9



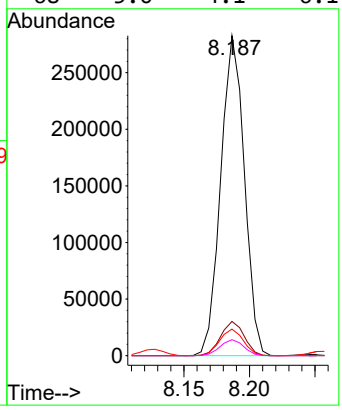


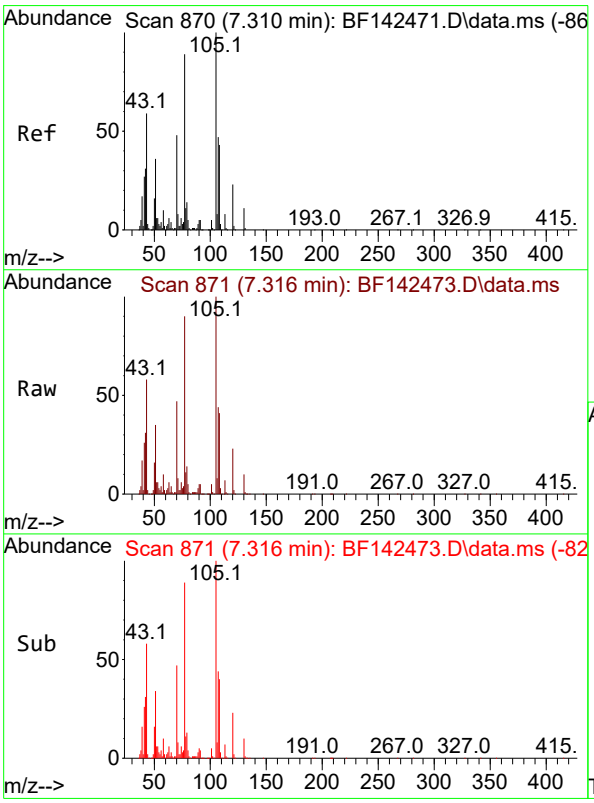
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 354160

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.3	6.6	10.0
68	5.0	4.1	6.1

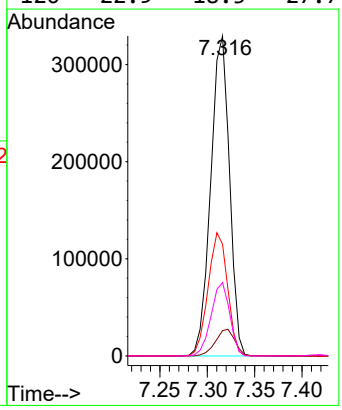


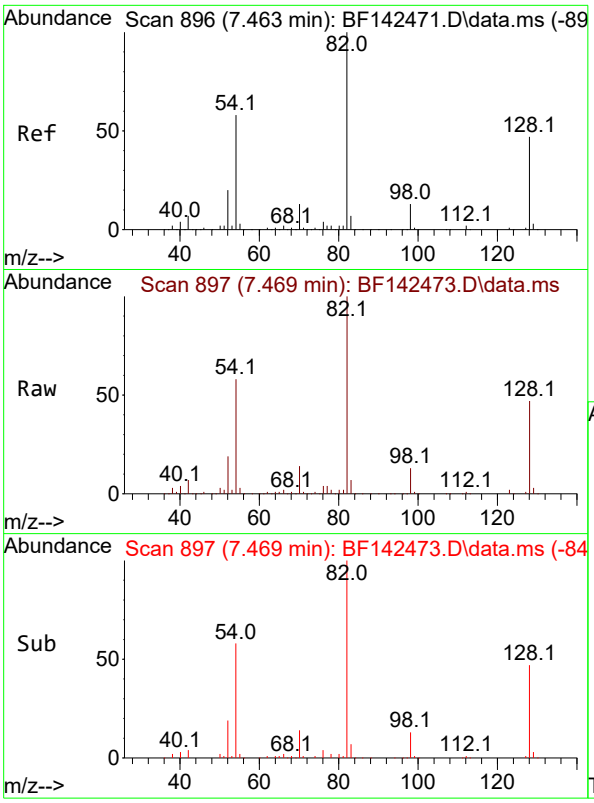


#22
Acetophenone
Concen: 57.937 ng
RT: 7.316 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:105 Resp: 454226

Ion	Ratio	Lower	Upper
105	100		
71	7.9	6.4	9.6
51	34.9	28.6	42.8
120	22.9	18.5	27.7



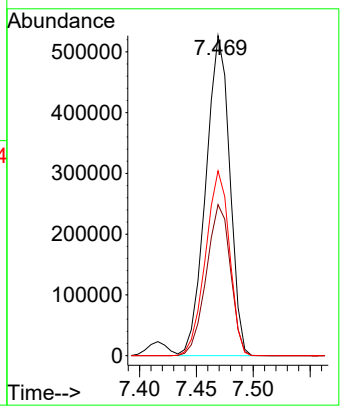


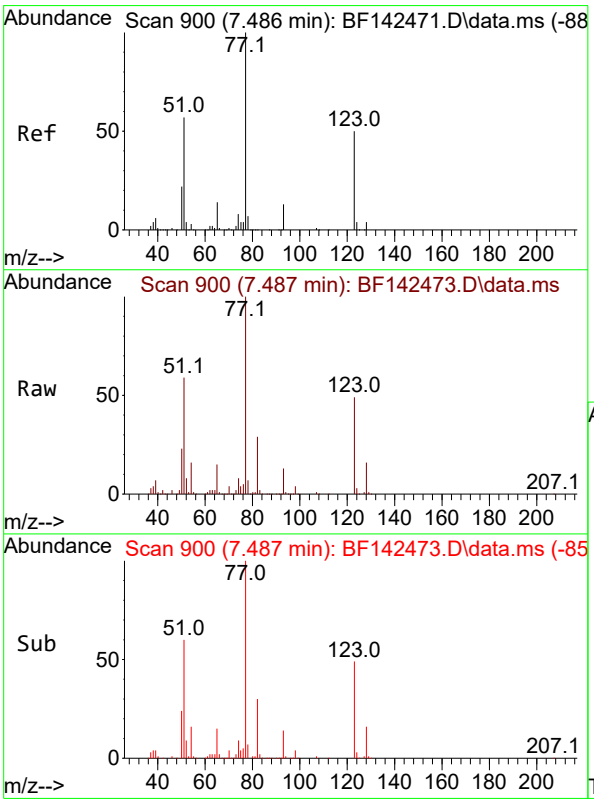
#23
Nitrobenzene-d5
Concen: 118.825 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 771758

Ion	Ratio	Lower	Upper
82	100		
128	47.2	37.4	56.2
54	57.7	46.6	70.0

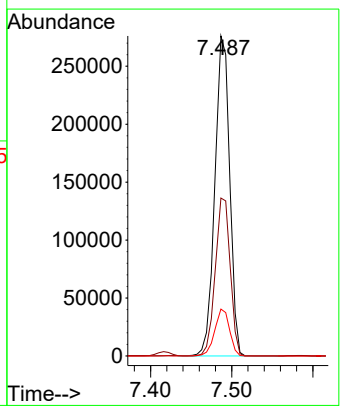


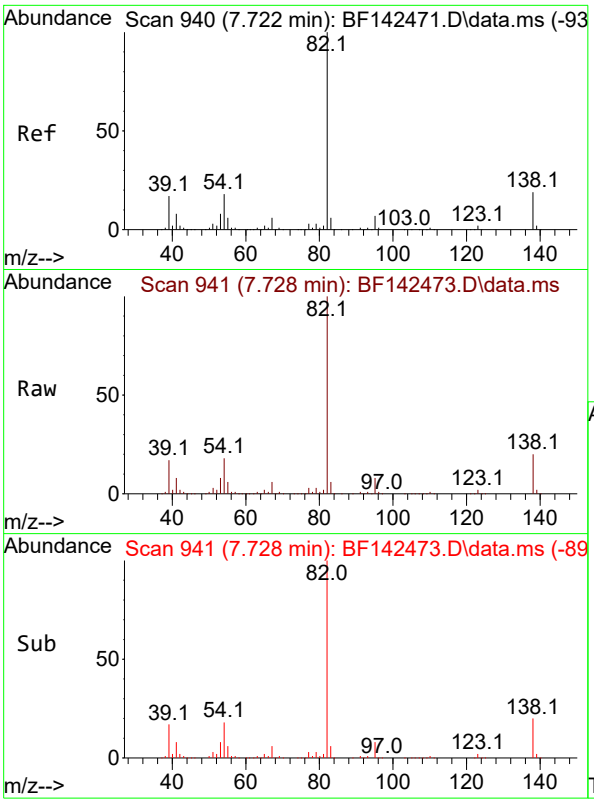


#24
Nitrobenzene
Concen: 59.984 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion: 77 Resp: 351378

Ion	Ratio	Lower	Upper
77	100		
123	49.4	40.6	61.0
65	14.7	11.4	17.2



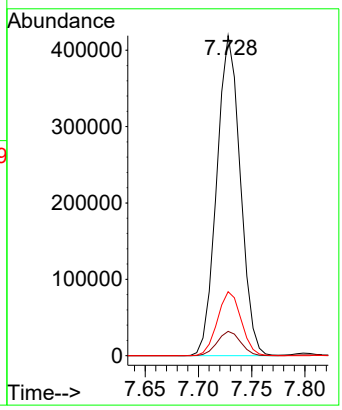


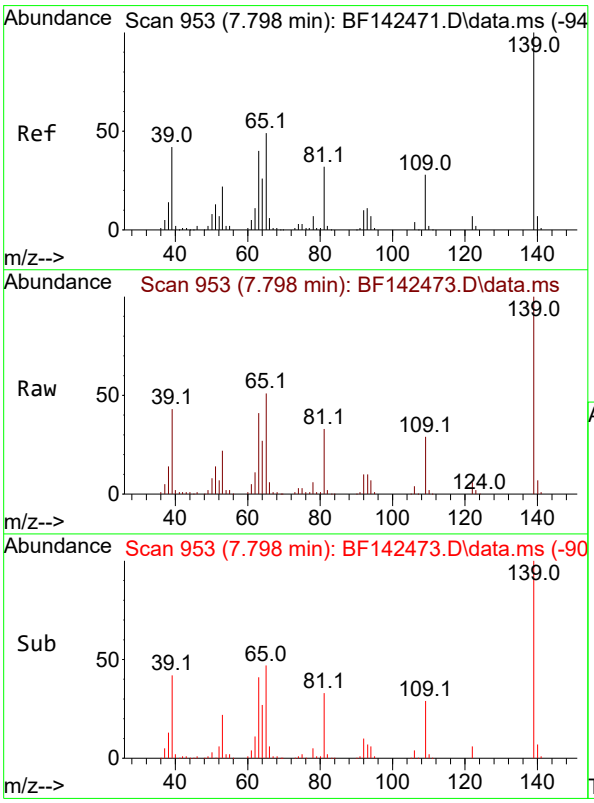
#25
Isophorone
Concen: 59.381 ng
RT: 7.728 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 644818

Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.0	9.0
138	20.0	15.5	23.3

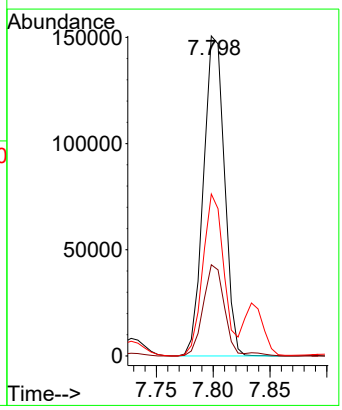


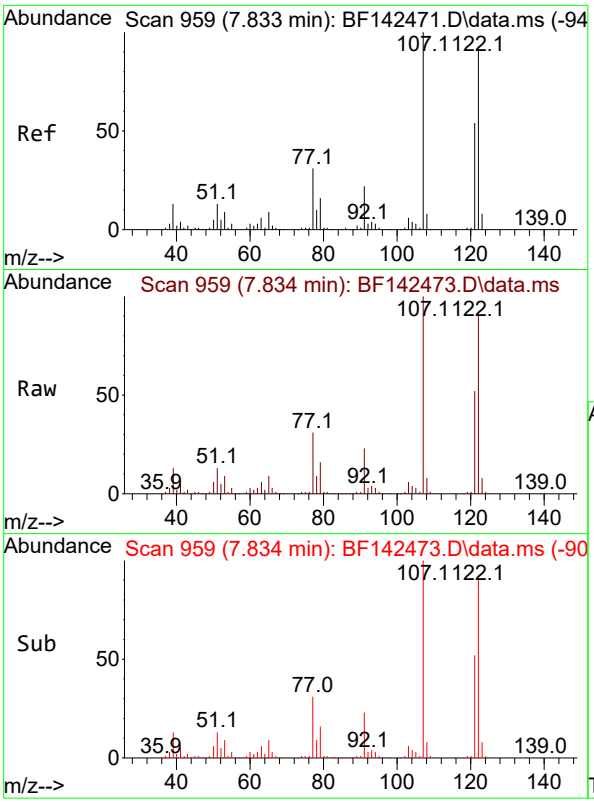


#26
2-Nitrophenol
Concen: 61.872 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:139 Resp: 193662

Ion	Ratio	Lower	Upper
139	100		
109	28.5	22.6	33.8
65	50.6	39.4	59.0



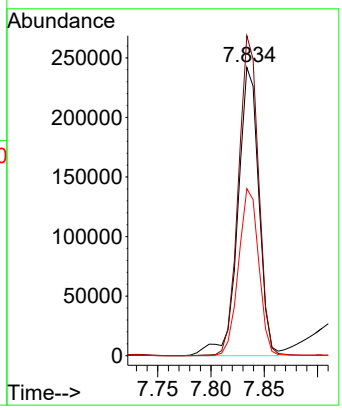


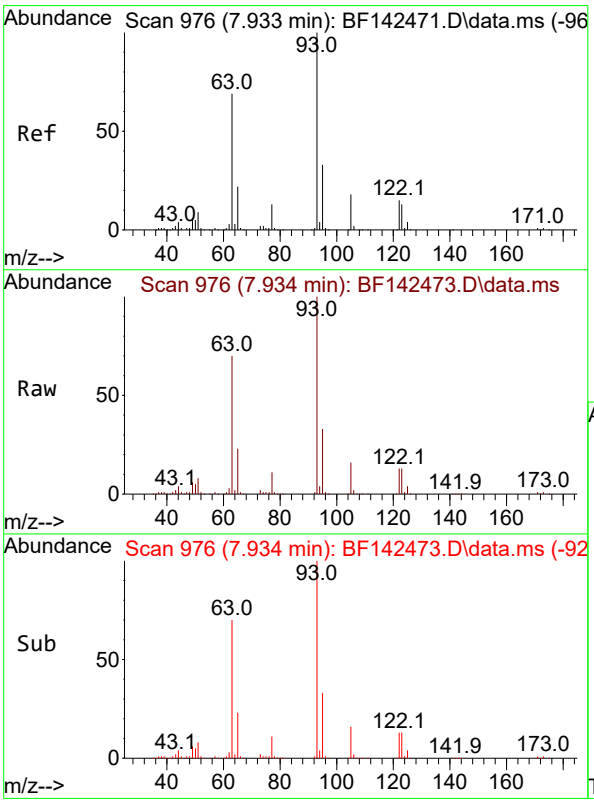
#27
2,4-Dimethylphenol
Concen: 59.994 ng
RT: 7.834 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 331159

Ion	Ratio	Lower	Upper
122	100		
107	111.0	88.1	132.1
121	57.9	47.3	70.9

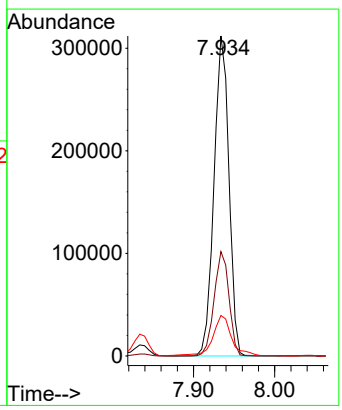


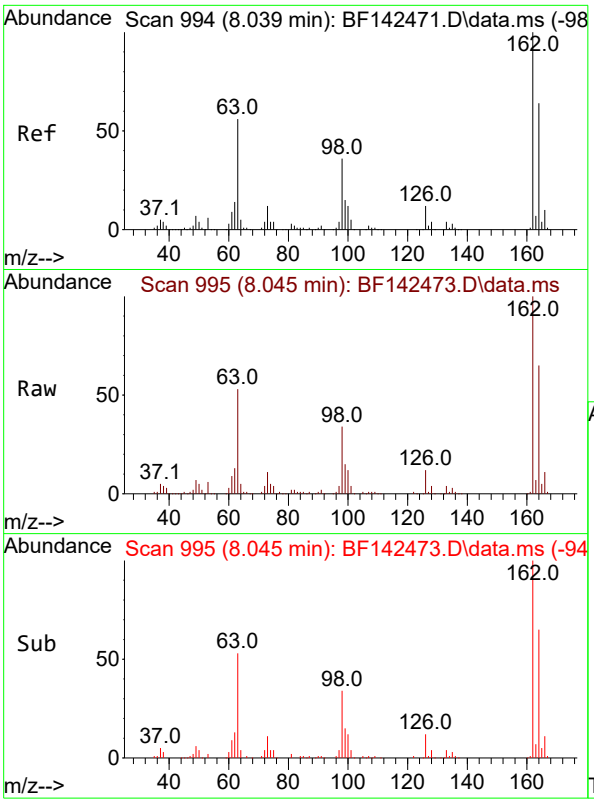


#28
bis(2-Chloroethoxy)methane
Concen: 58.699 ng
RT: 7.934 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion: 93 Resp: 398177

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.4	39.6
123	12.7	10.6	15.8



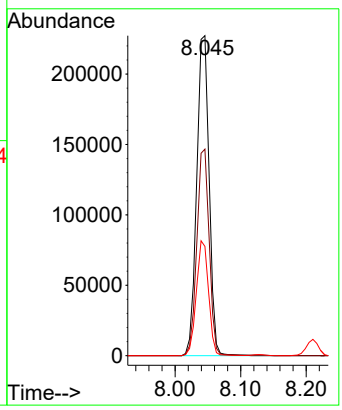


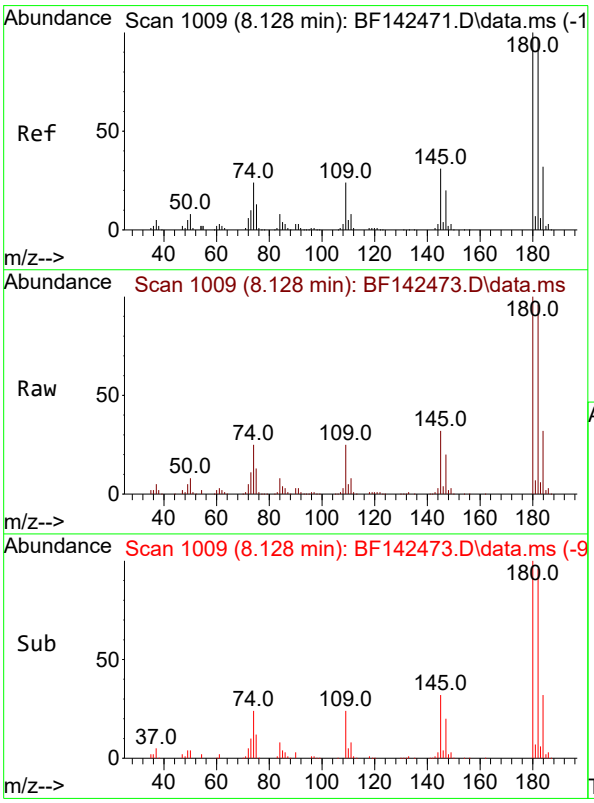
#29
2,4-Dichlorophenol
Concen: 59.913 ng
RT: 8.045 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 300754

Ion	Ratio	Lower	Upper
162	100		
164	64.6	43.7	83.7
98	34.1	15.5	55.5

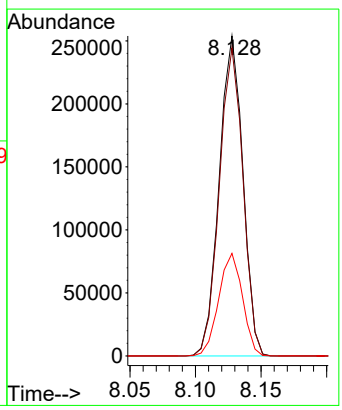


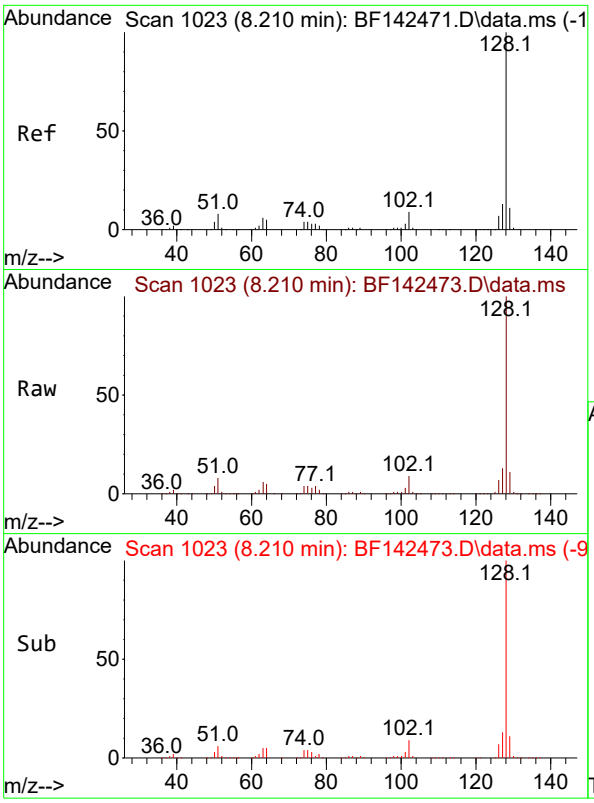


#30
1,2,4-Trichlorobenzene
Concen: 58.460 ng
RT: 8.128 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:180 Resp: 318487

Ion	Ratio	Lower	Upper
180	100		
182	96.2	78.0	117.0
145	32.0	25.0	37.6



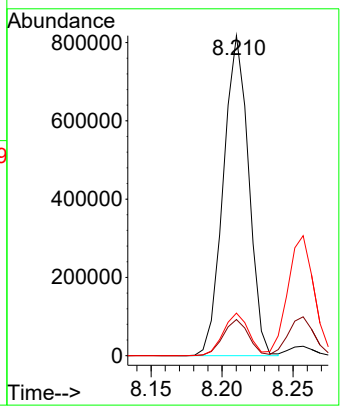


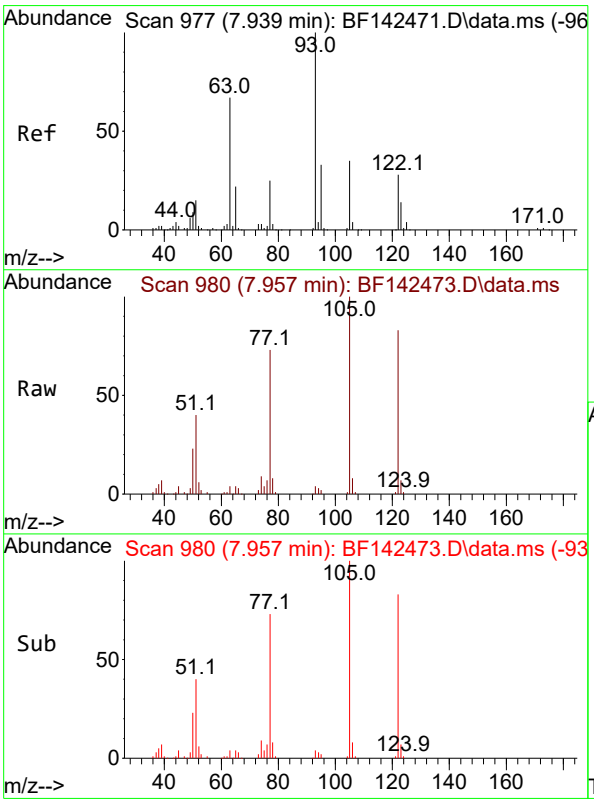
#31
Naphthalene
Concen: 58.085 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 1012926

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.3	10.5	15.7

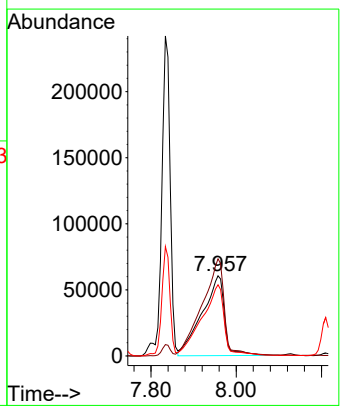


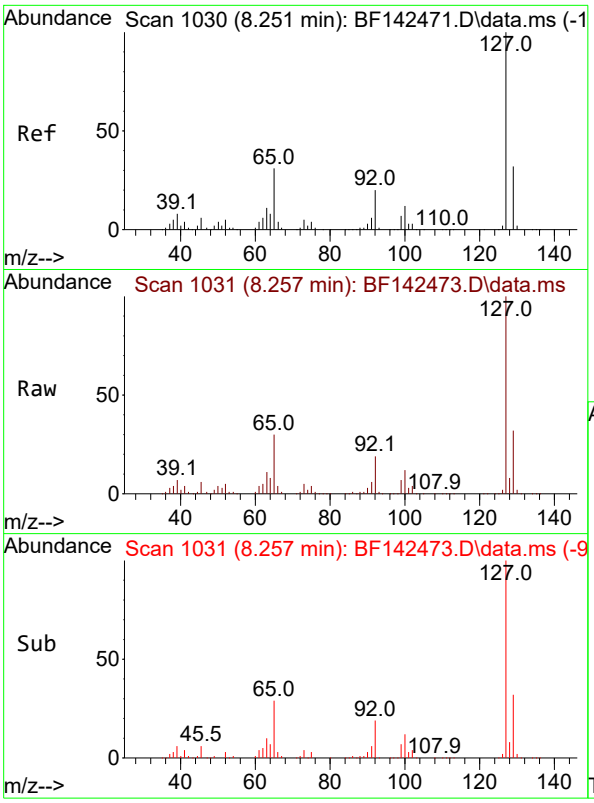


#32
Benzoic acid
Concen: 66.059 ng
RT: 7.957 min Scan# 980
Delta R.T. -0.018 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:122 Resp: 221962

Ion	Ratio	Lower	Upper
122	100		
105	121.2	101.7	141.7
77	88.9	69.5	109.5



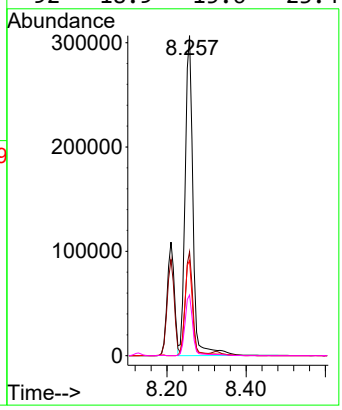


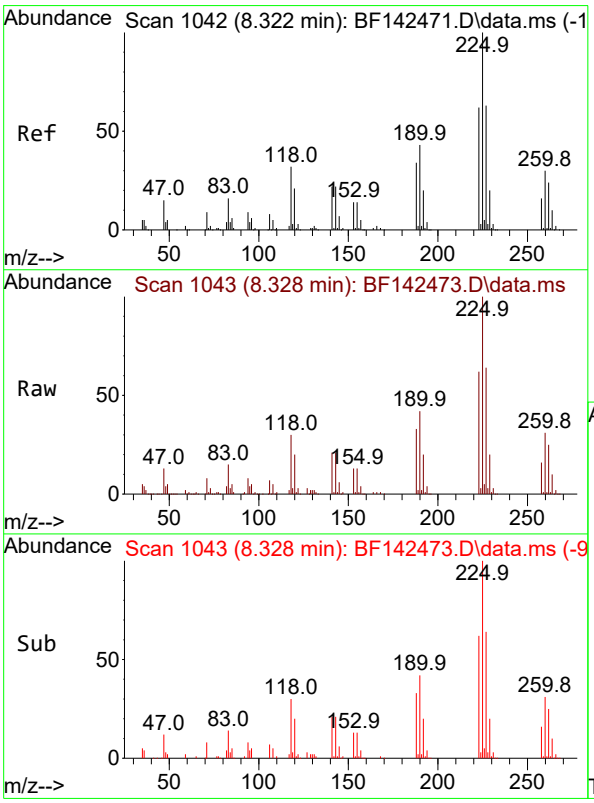
#33
4-Chloroaniline
Concen: 59.619 ng
RT: 8.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 421281

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.1	39.1
65	29.7	24.9	37.3
92	18.9	15.6	23.4

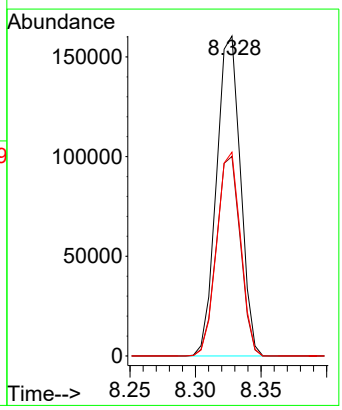


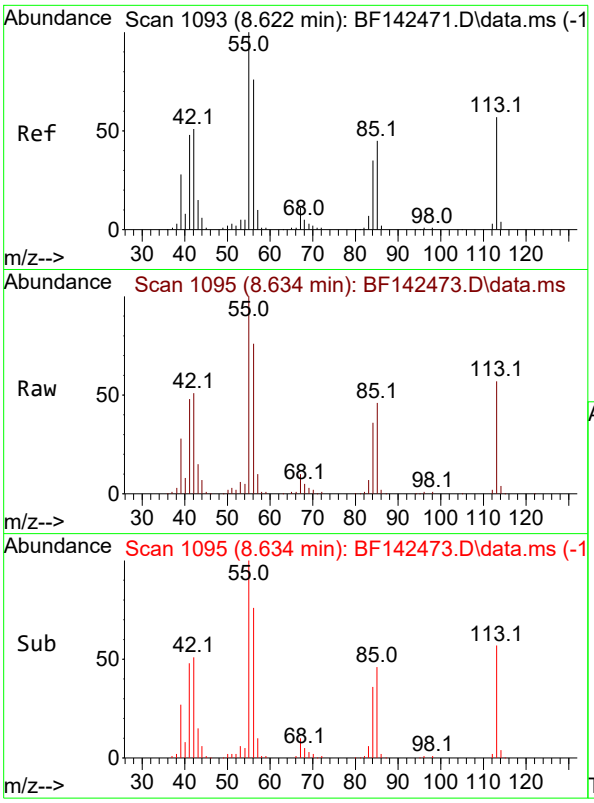


#34
Hexachlorobutadiene
Concen: 59.831 ng
RT: 8.328 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:225 Resp: 203527

Ion	Ratio	Lower	Upper
225	100		
223	62.4	49.7	74.5
227	63.7	50.3	75.5



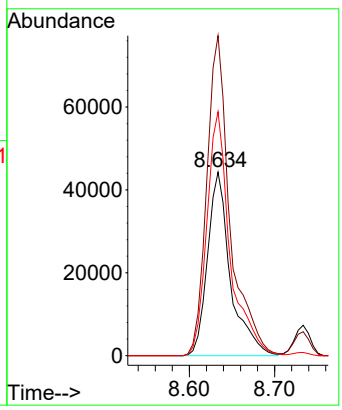


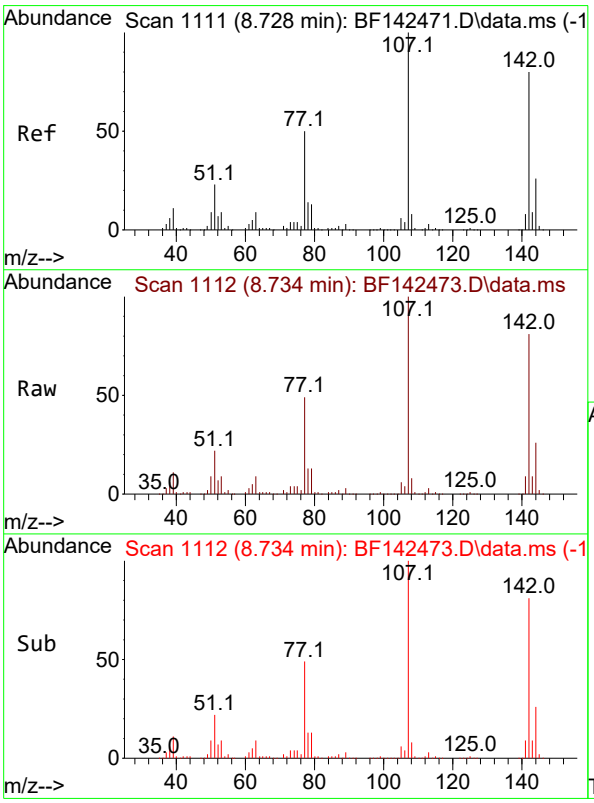
#35
Caprolactam
Concen: 58.650 ng
RT: 8.634 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 82688

Ion	Ratio	Lower	Upper
113	100		
55	174.4	154.7	194.7
56	133.0	113.2	153.2

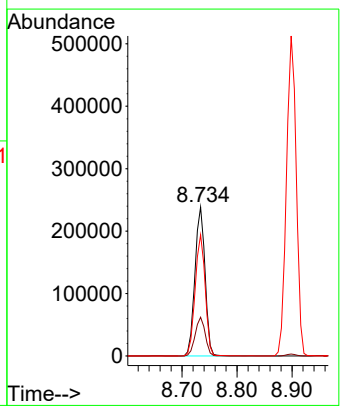


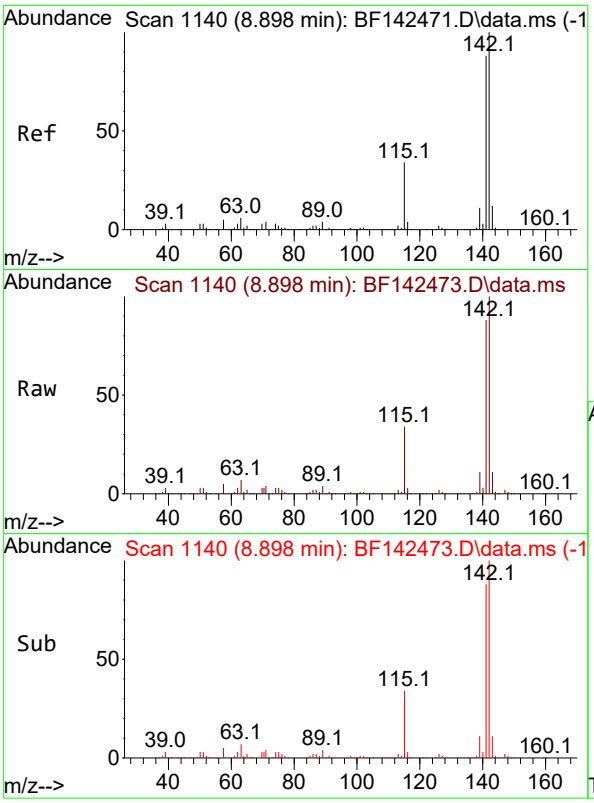


#36
4-Chloro-3-methylphenol
Concen: 59.352 ng
RT: 8.734 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:107 Resp: 305341

Ion	Ratio	Lower	Upper
107	100		
144	26.0	20.9	31.3
142	81.3	64.2	96.2



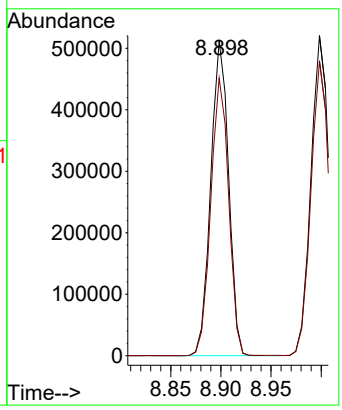


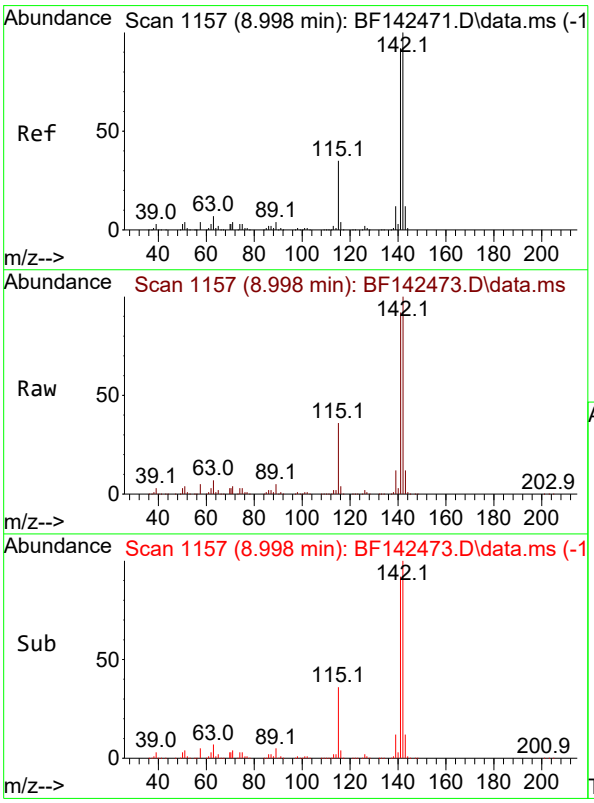
#37
2-Methylnaphthalene
Concen: 57.893 ng
RT: 8.898 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 635148

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.7	106.1

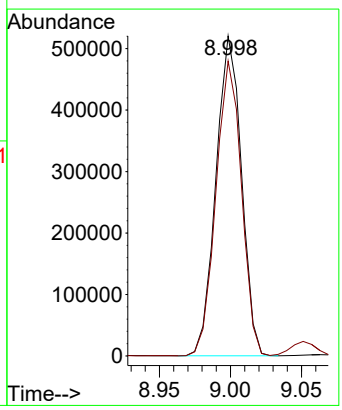


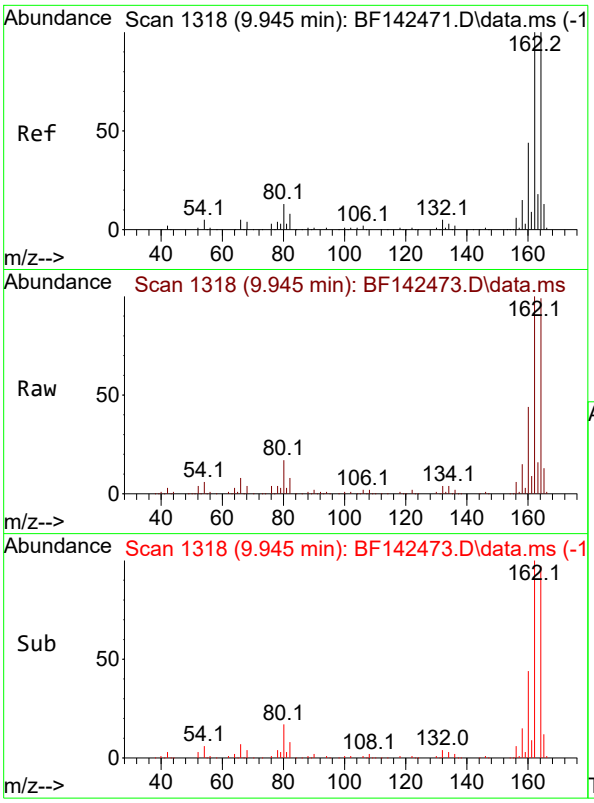


#38
1-Methylnaphthalene
Concen: 57.247 ng
RT: 8.998 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:142 Resp: 649652

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.4	110.2



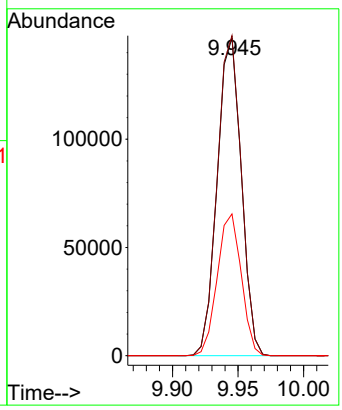


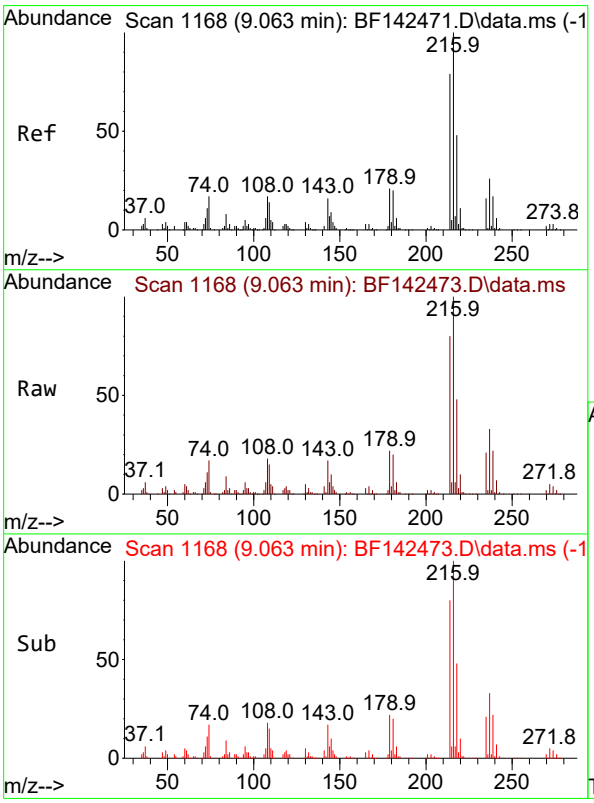
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 187285

Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.2	120.4
160	44.6	35.6	53.4

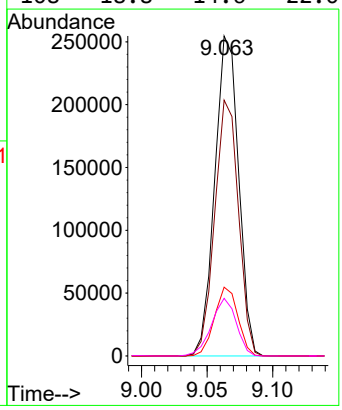


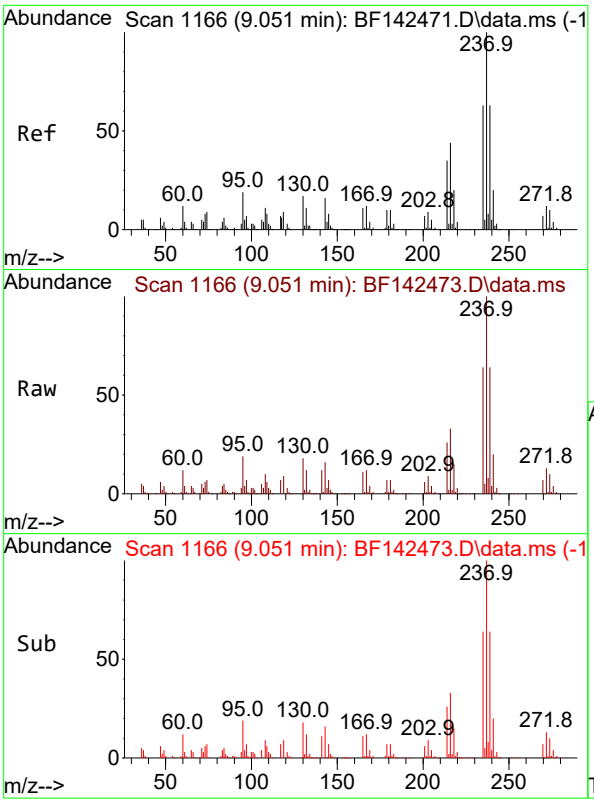


#40
1,2,4,5-Tetrachlorobenzene
Concen: 59.844 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:216 Resp: 321732

Ion	Ratio	Lower	Upper
216	100		
214	79.5	62.9	94.3
179	21.1	16.9	25.3
108	18.8	14.6	22.0



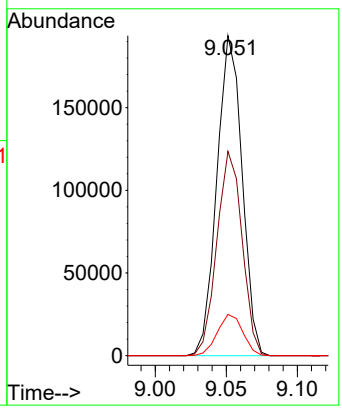


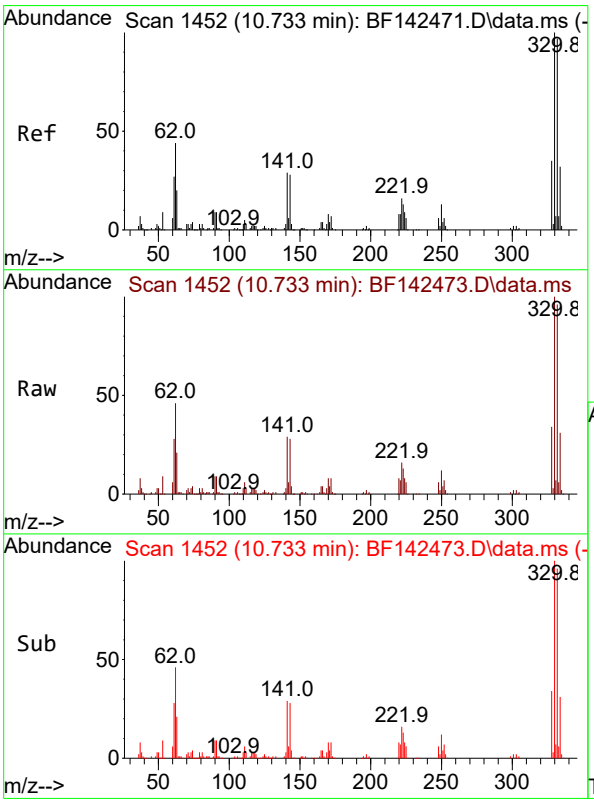
#41
Hexachlorocyclopentadiene
Concen: 65.820 ng
RT: 9.051 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 238708

Ion	Ratio	Lower	Upper
237	100		
235	63.9	43.3	83.3
272	12.9	0.0	32.4

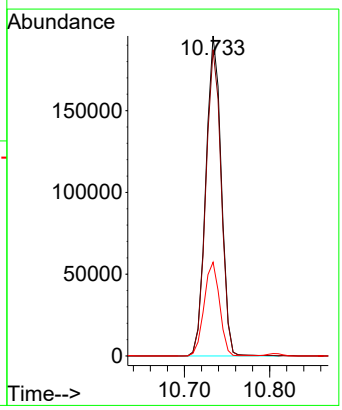


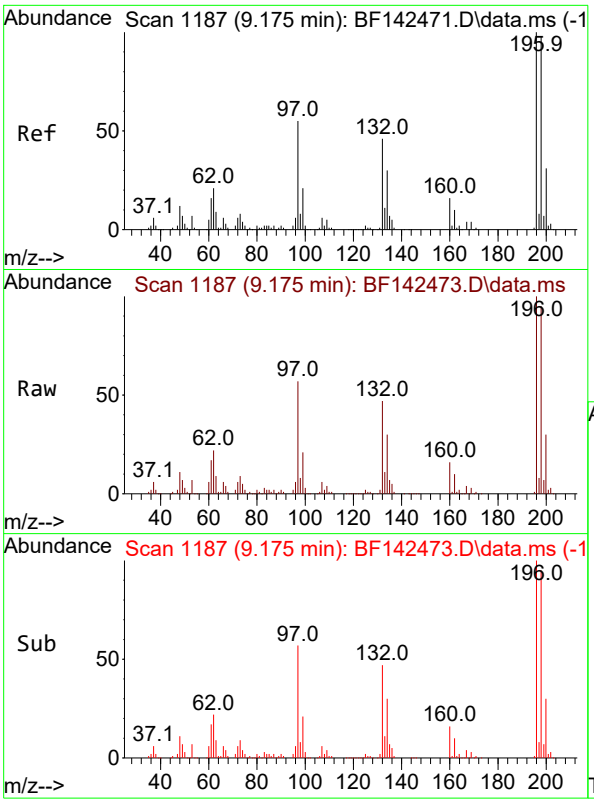


#42
2,4,6-Tribromophenol
Concen: 117.621 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:330 Resp: 244491

Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.6	116.4
141	29.6	24.6	36.8



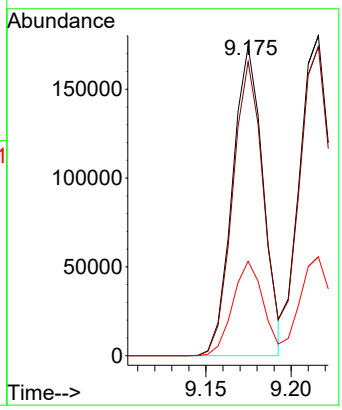


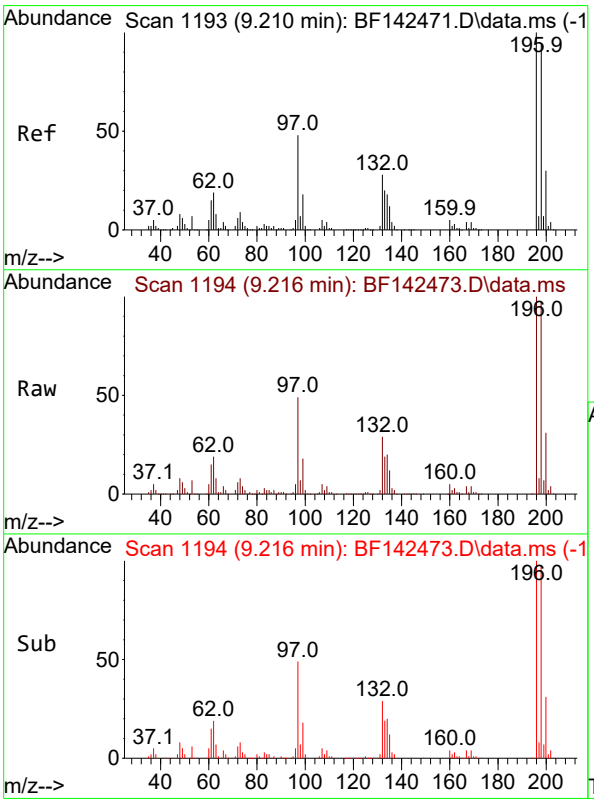
#43
2,4,6-Trichlorophenol
Concen: 60.098 ng
RT: 9.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 217868

Ion	Ratio	Lower	Upper
196	100		
198	94.9	78.8	118.2
200	30.4	24.9	37.3

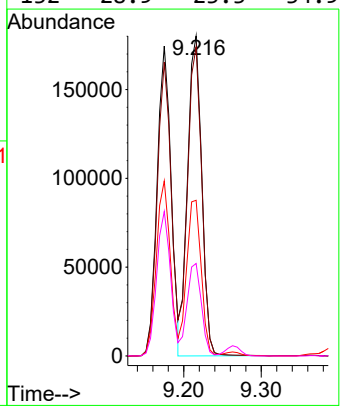


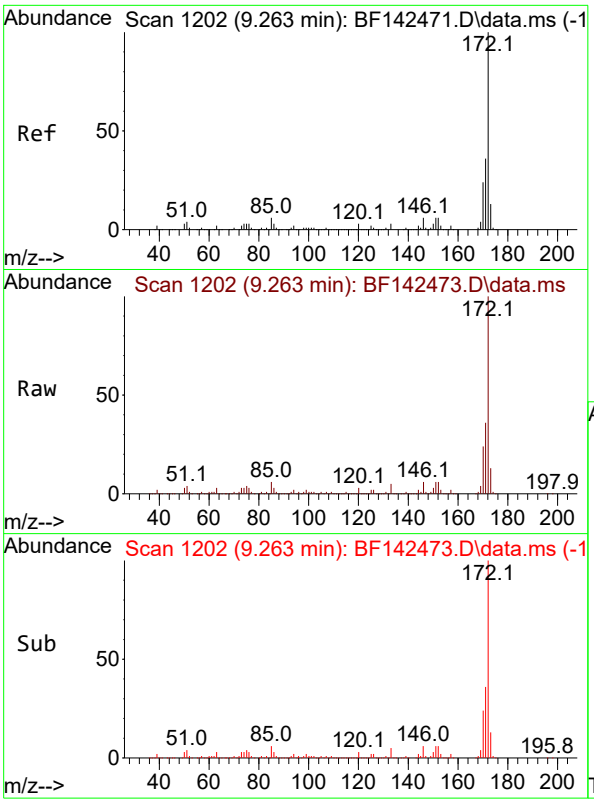


#44
2,4,5-Trichlorophenol
Concen: 59.916 ng
RT: 9.216 min Scan# 1194
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:196 Resp: 229079

Ion	Ratio	Lower	Upper
196	100		
198	96.6	75.5	113.3
97	48.6	39.3	58.9
132	28.9	23.3	34.9



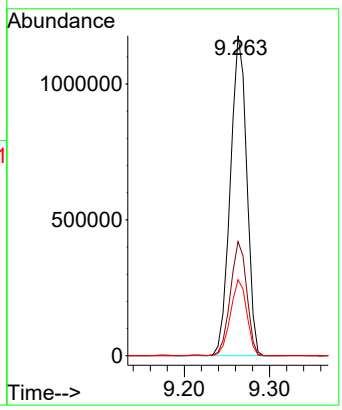


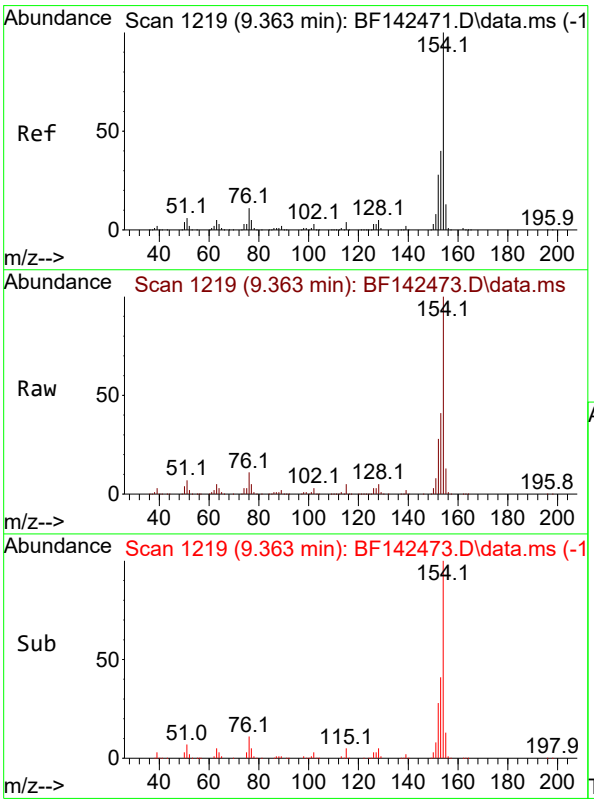
#45
2-Fluorobiphenyl
Concen: 112.426 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 1569136

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	42.8
170	23.7	18.9	28.3

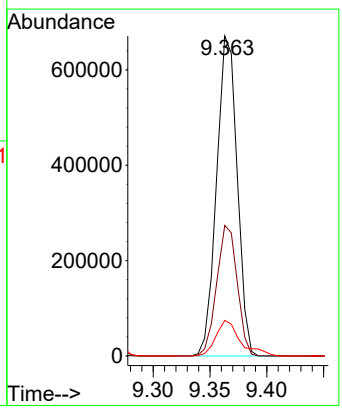


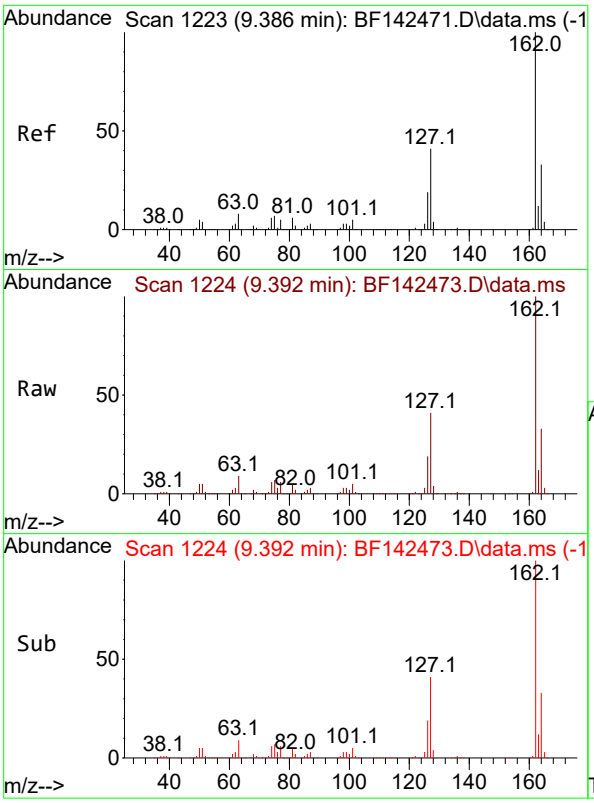


#46
1,1'-Biphenyl
Concen: 58.279 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:154 Resp: 846783

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.4	60.4
76	11.1	0.0	30.8



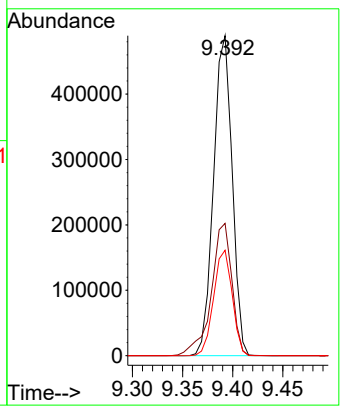


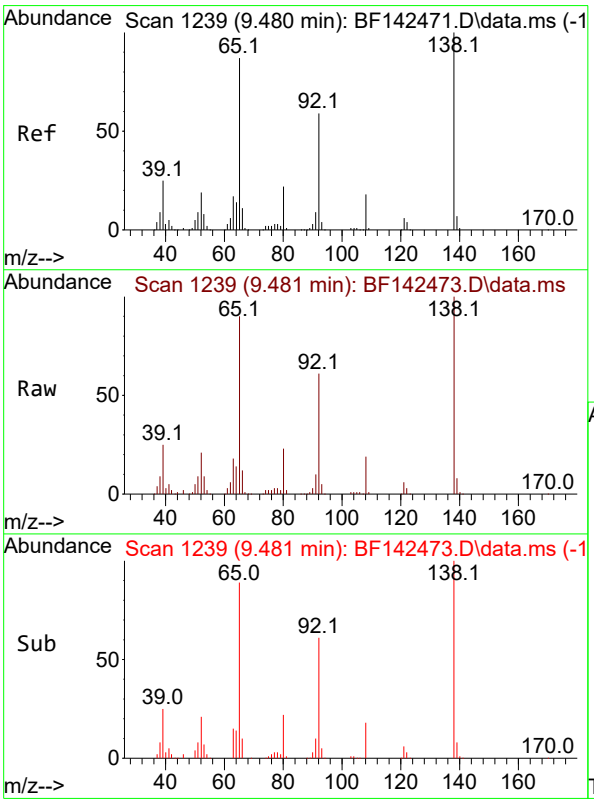
#47
2-Chloronaphthalene
Concen: 58.746 ng
RT: 9.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 630647

Ion	Ratio	Lower	Upper
162	100		
127	41.3	33.5	50.3
164	33.0	26.1	39.1

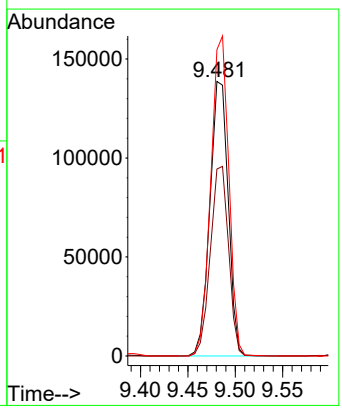


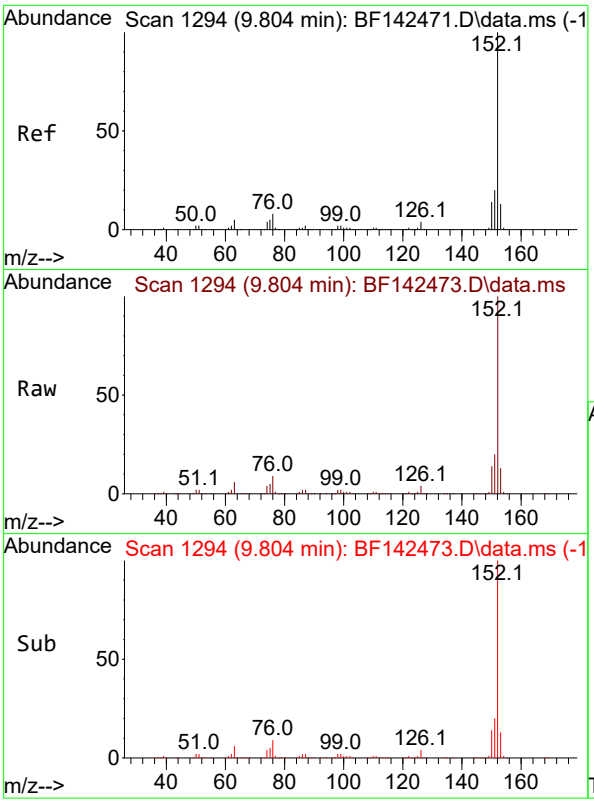


#48
2-Nitroaniline
Concen: 60.093 ng
RT: 9.481 min Scan# 1239
Delta R.T. -0.005 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion: 65 Resp: 186466

Ion	Ratio	Lower	Upper
65	100		
92	68.1	54.4	81.6
138	111.5	91.4	137.2



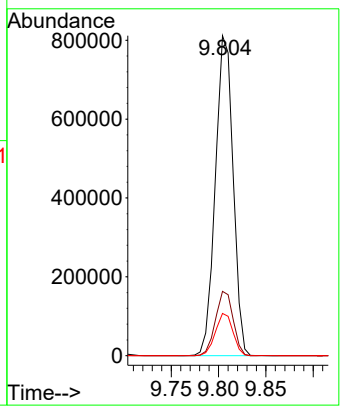


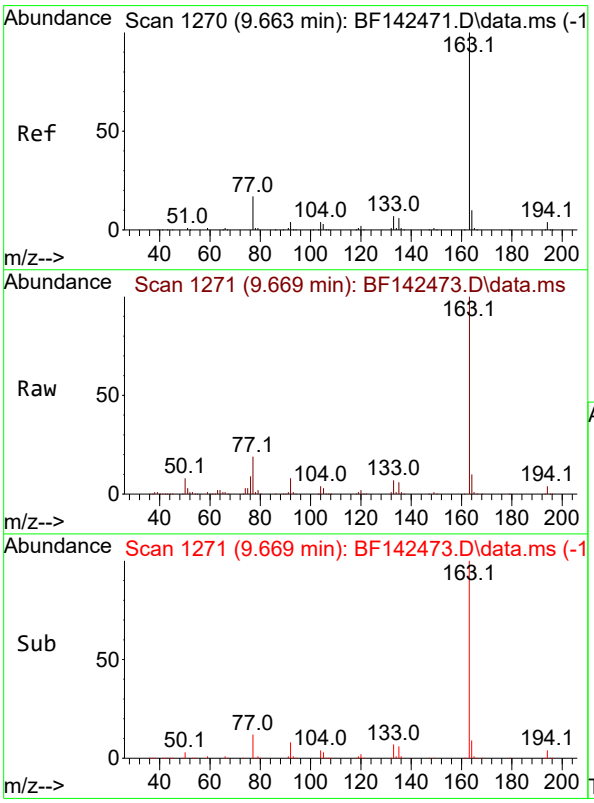
#49
Acenaphthylene
Concen: 58.411 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 1058826

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.8
153	13.2	10.6	15.8

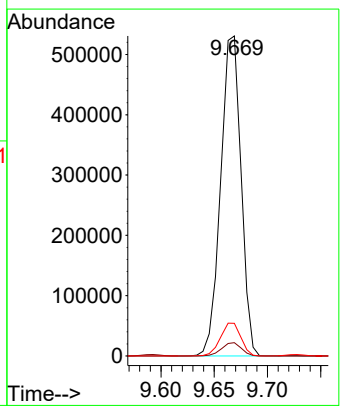


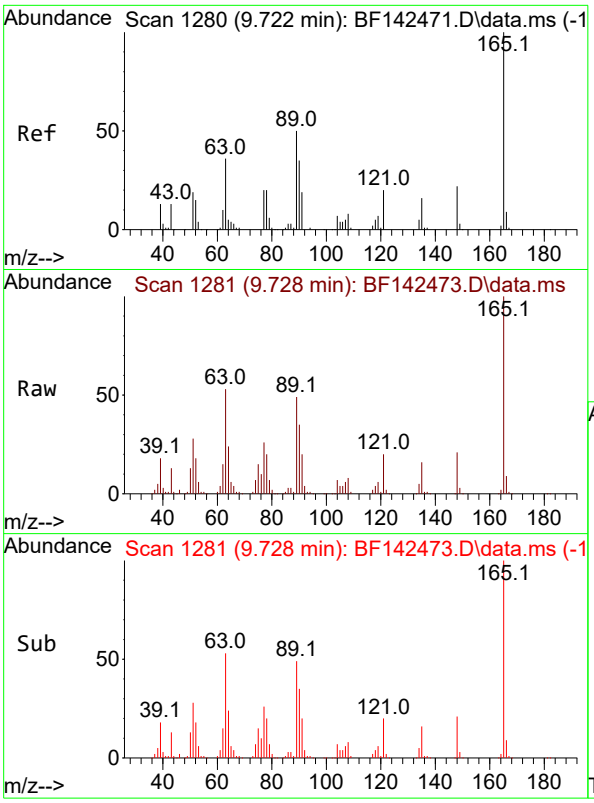


#50
Dimethylphthalate
Concen: 57.119 ng
RT: 9.669 min Scan# 1271
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:163 Resp: 705857

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.2	8.2	12.4



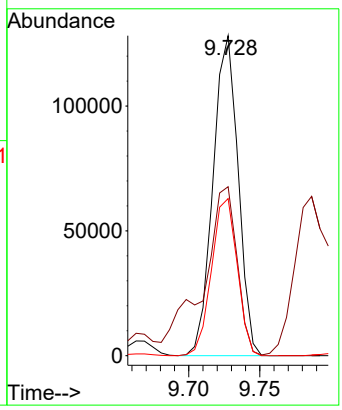


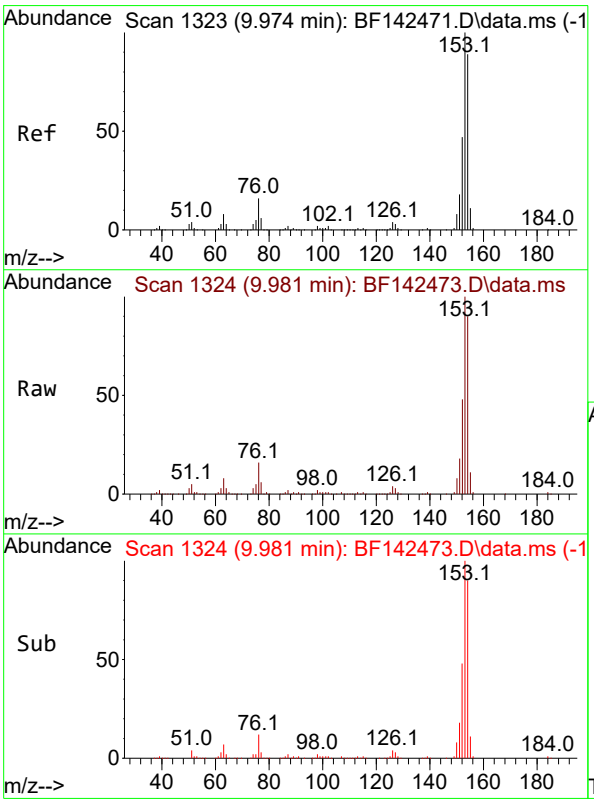
#51
2,6-Dinitrotoluene
Concen: 59.195 ng
RT: 9.728 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 157884

Ion	Ratio	Lower	Upper
165	100		
63	52.8	42.9	64.3
89	49.1	40.2	60.4

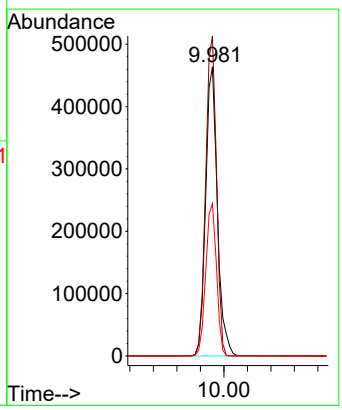


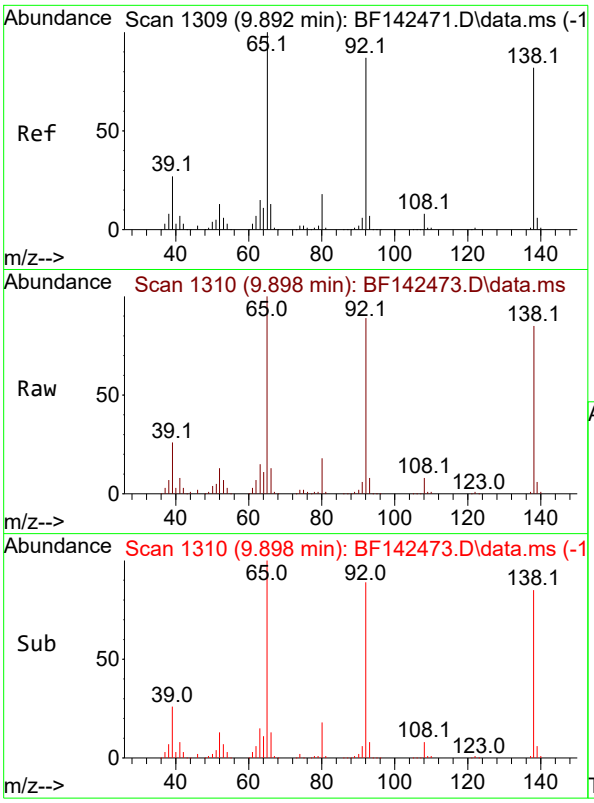


#52
Acenaphthene
Concen: 58.160 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.001 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:154 Resp: 643773

Ion	Ratio	Lower	Upper
154	100		
153	110.7	90.0	135.0
152	52.8	42.6	64.0



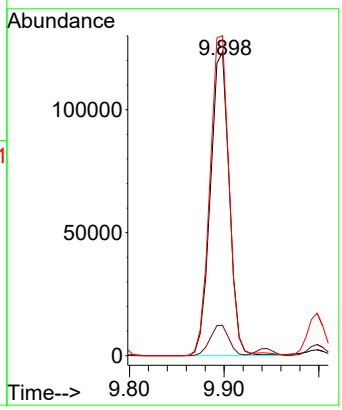


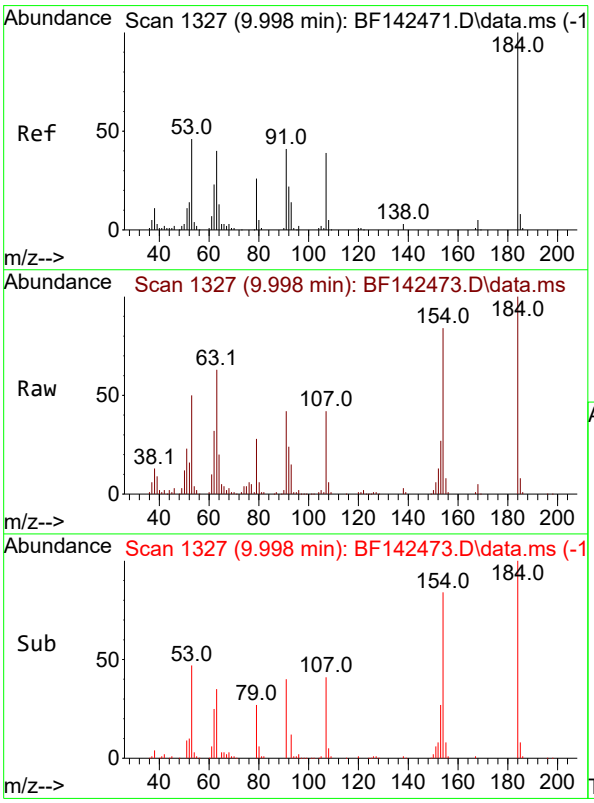
#53
3-Nitroaniline
Concen: 58.746 ng
RT: 9.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 171137

Ion	Ratio	Lower	Upper
138	100		
108	10.0	8.1	12.1
92	105.4	85.2	127.8

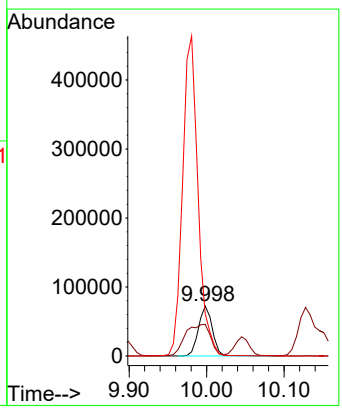


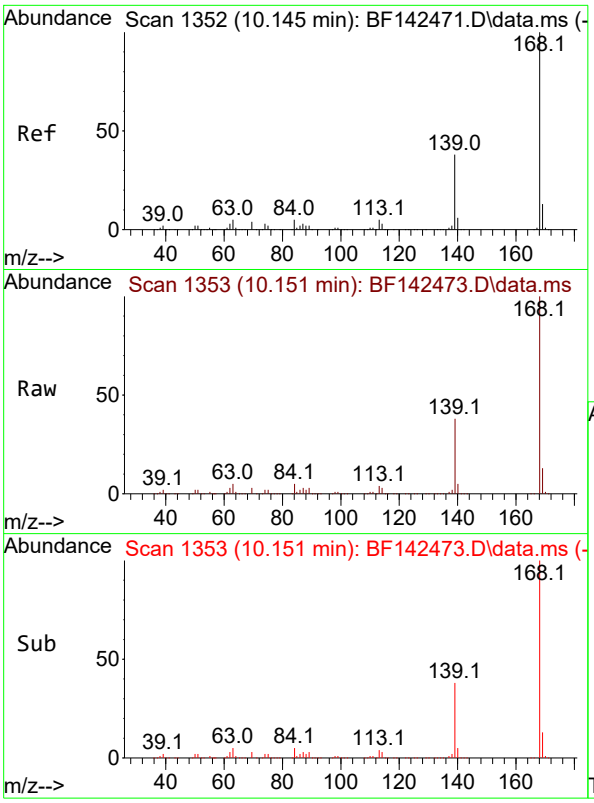


#54
2,4-Dinitrophenol
Concen: 65.126 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:184 Resp: 89741

Ion	Ratio	Lower	Upper
184	100		
63	63.3	46.3	69.5
154	84.0	56.8	85.2



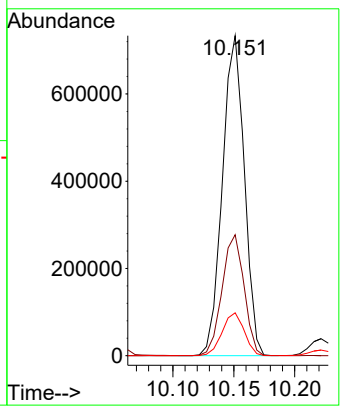


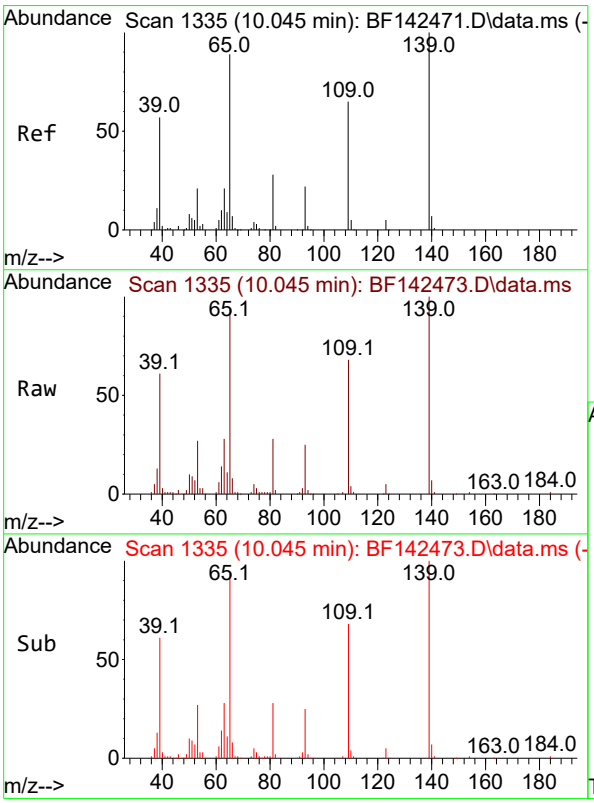
#55
Dibenzofuran
Concen: 57.677 ng
RT: 10.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 918703

Ion	Ratio	Lower	Upper
168	100		
139	37.8	30.2	45.2
169	13.4	10.7	16.1

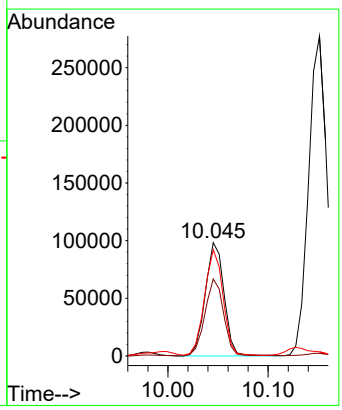


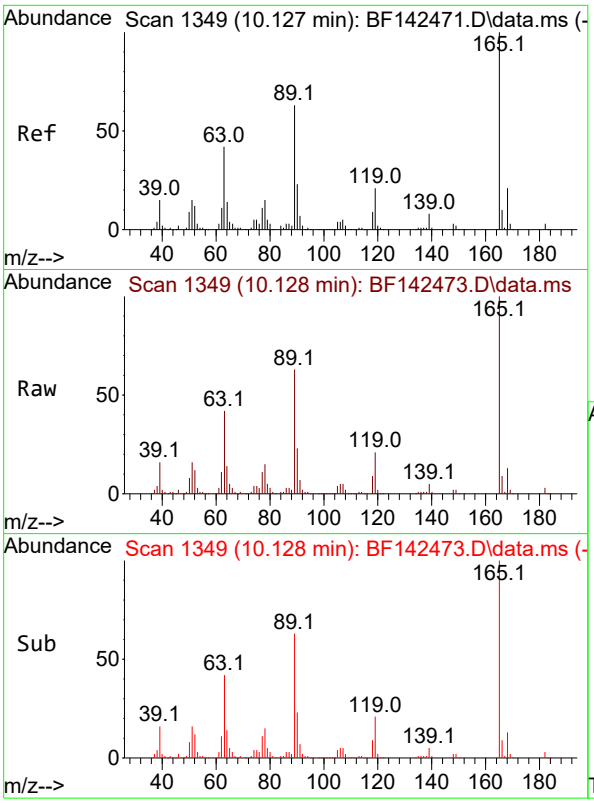


#56
4-Nitrophenol
Concen: 59.782 ng
RT: 10.045 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:139 Resp: 128501

Ion	Ratio	Lower	Upper
139	100		
109	67.9	45.1	85.1
65	93.8	69.7	109.7



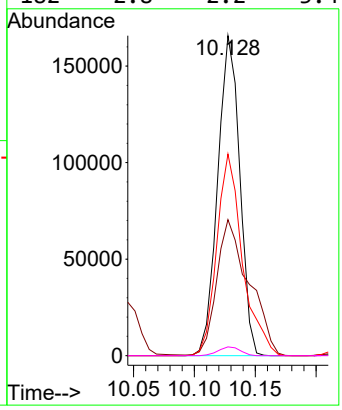


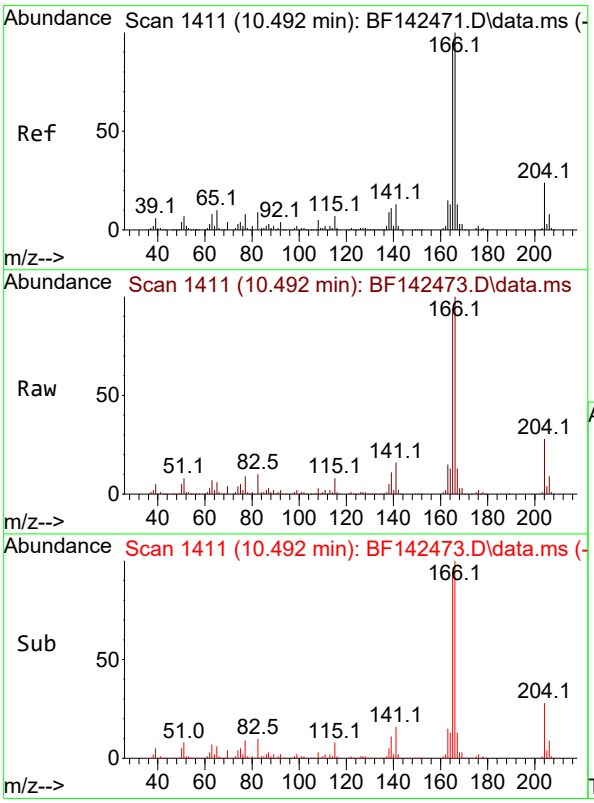
#57
2,4-Dinitrotoluene
Concen: 60.012 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 209035

Ion	Ratio	Lower	Upper
165	100		
63	42.5	33.6	50.4
89	63.0	50.2	75.4
182	2.8	2.2	3.4

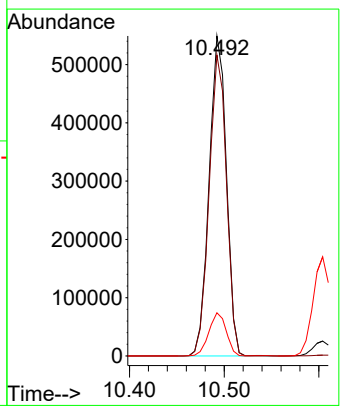


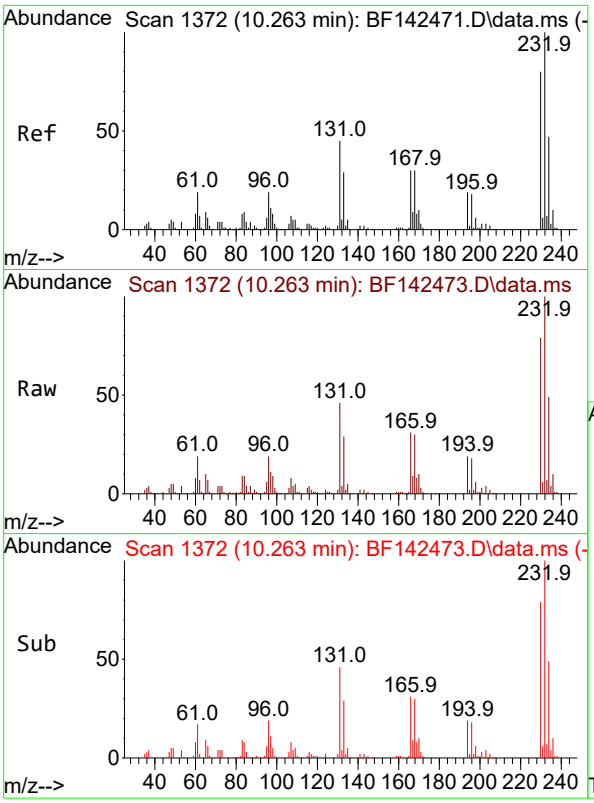


#58
Fluorene
Concen: 56.516 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:166 Resp: 695462

Ion	Ratio	Lower	Upper
166	100		
165	94.1	75.8	113.8
167	13.5	10.6	16.0



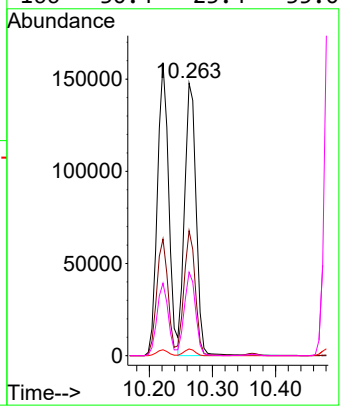


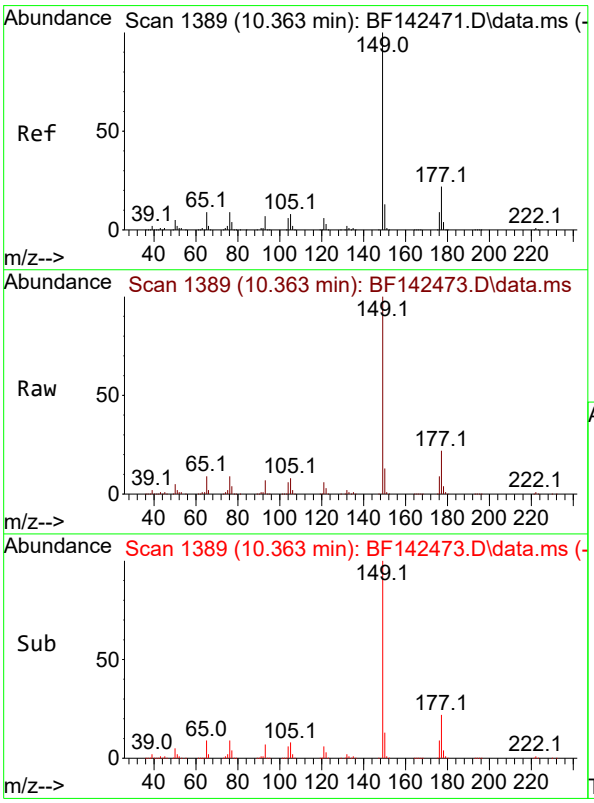
#59
2,3,4,6-Tetrachlorophenol
Concen: 58.609 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 187067

Ion	Ratio	Lower	Upper
232	100		
131	45.0	35.2	52.8
130	2.4	1.7	2.5
166	30.4	23.4	35.0

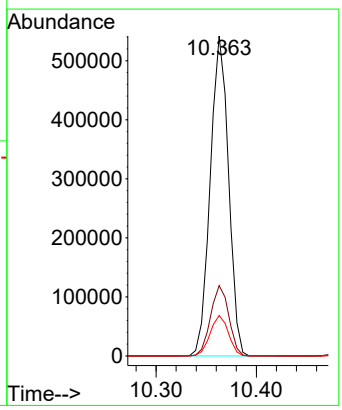


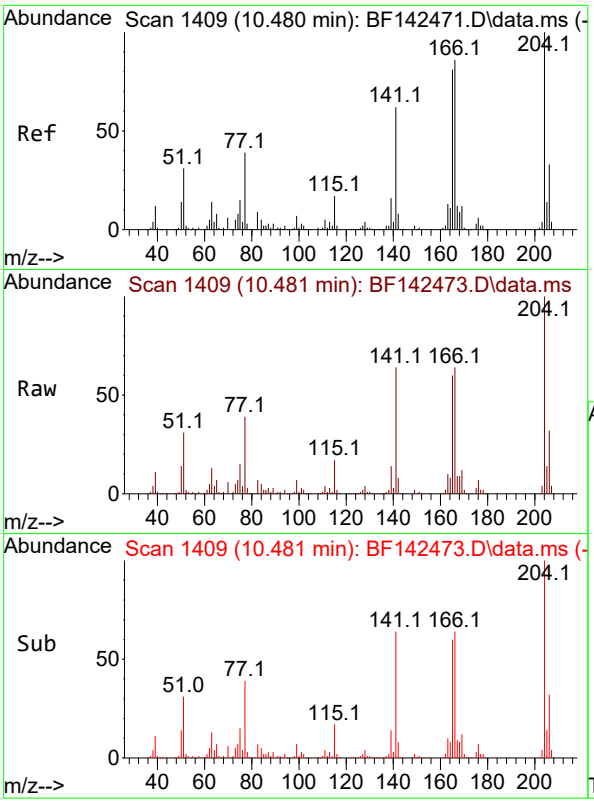


#60
Diethylphthalate
Concen: 56.695 ng
RT: 10.363 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:149 Resp: 684259

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.6	26.4
150	12.6	10.1	15.1



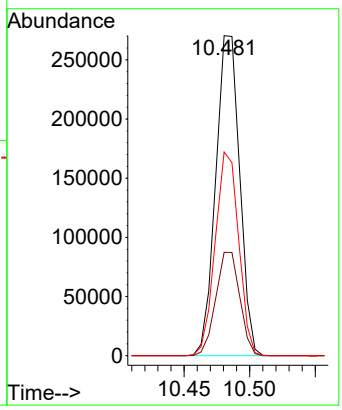


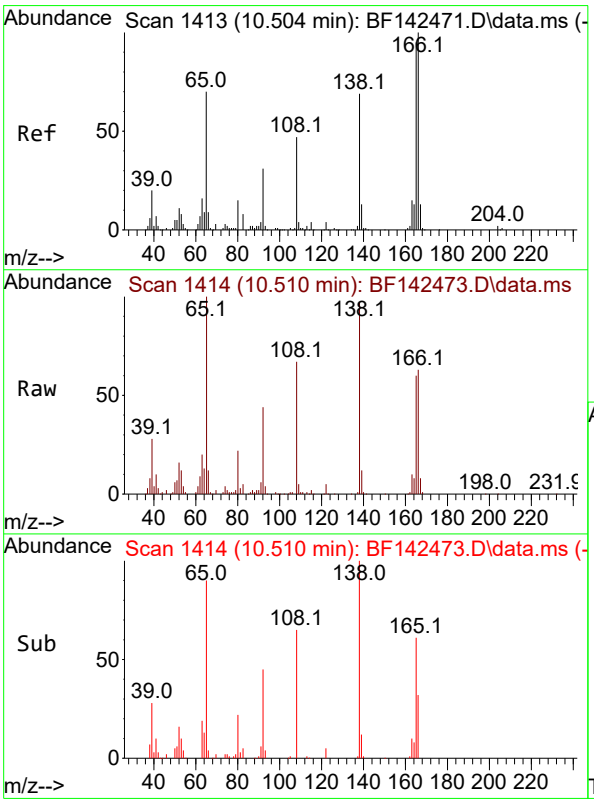
#61
4-Chlorophenyl-phenylether
Concen: 56.880 ng
RT: 10.481 min Scan# 14
Delta R.T. -0.005 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 343838

Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.3	39.5
141	63.7	49.5	74.3

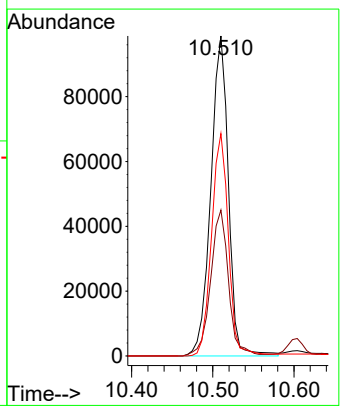


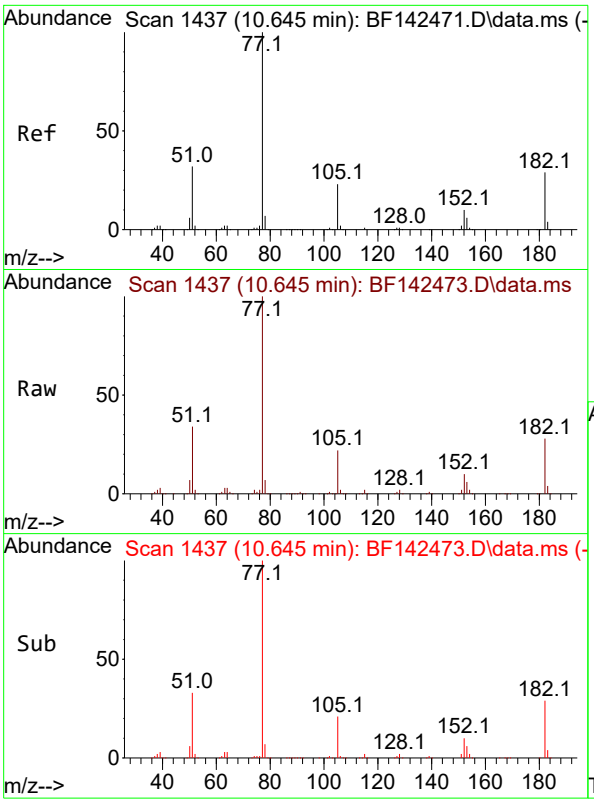


#62
4-Nitroaniline
Concen: 56.302 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:138 Resp: 148755

Ion	Ratio	Lower	Upper
138	100		
92	45.6	26.0	66.0
108	69.5	48.4	88.4



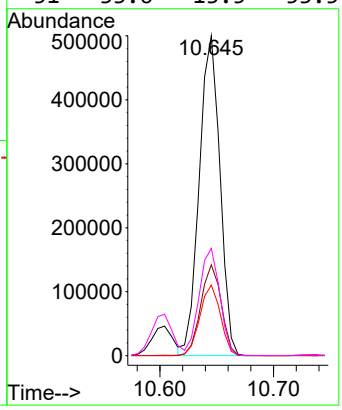


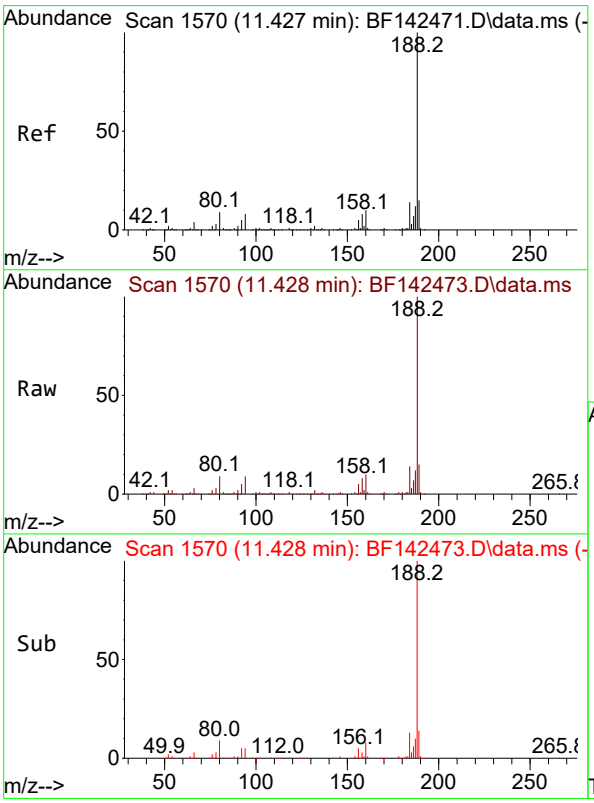
#63
Azobenzene
Concen: 58.221 ng
RT: 10.645 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 631137

Ion	Ratio	Lower	Upper
77	100		
182	28.4	9.0	49.0
105	22.1	2.4	42.4
51	33.6	13.5	53.5

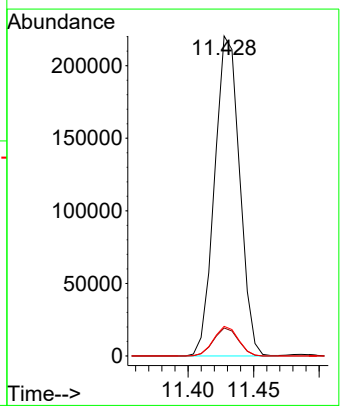


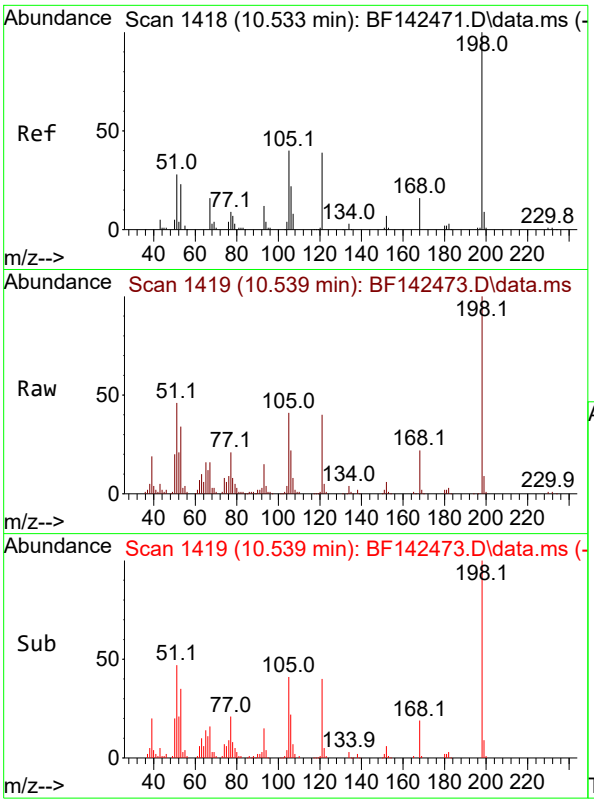


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:188 Resp: 292190

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.2	7.4	11.0



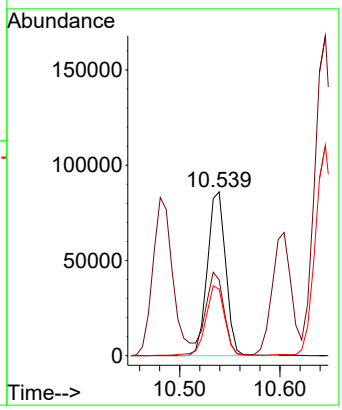


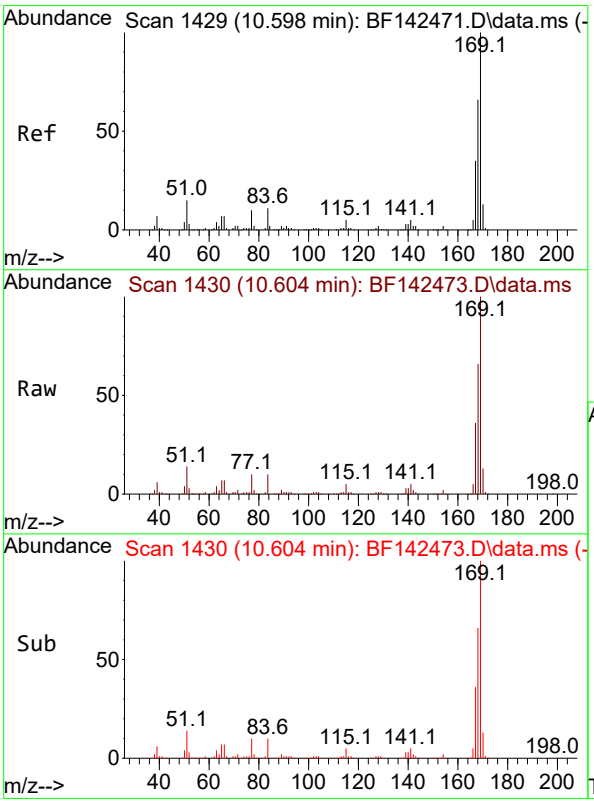
#65
4,6-Dinitro-2-methylphenol
Concen: 66.950 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 109172

Ion	Ratio	Lower	Upper
198	100		
51	46.2	28.3	68.3
105	40.5	21.3	61.3

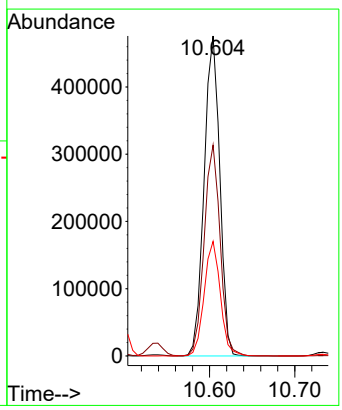


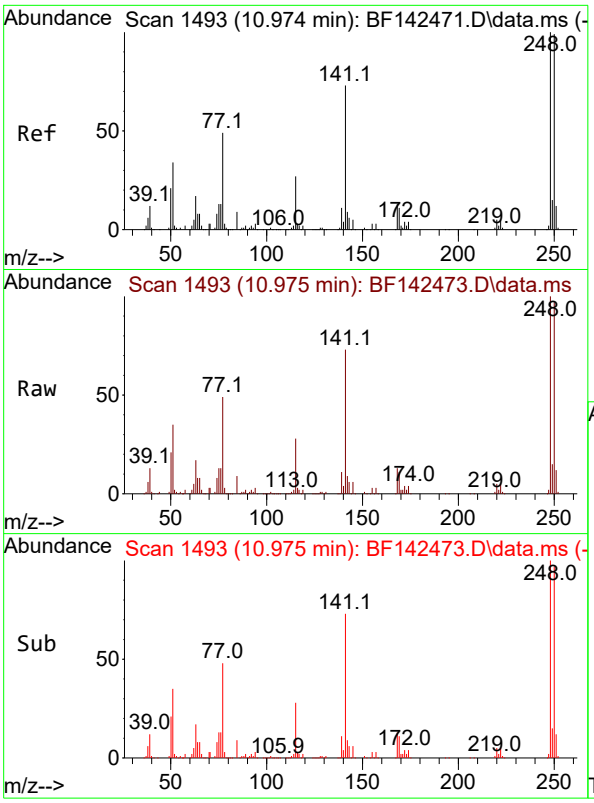


#66
n-Nitrosodiphenylamine
Concen: 60.861 ng
RT: 10.604 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:169 Resp: 608394

Ion	Ratio	Lower	Upper
169	100		
168	65.9	52.7	79.1
167	35.8	28.3	42.5



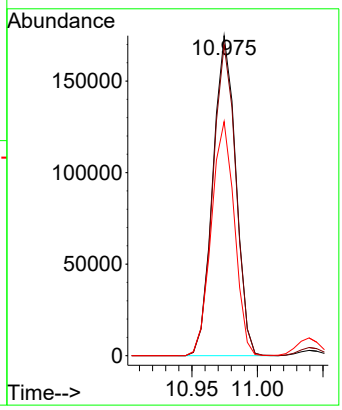


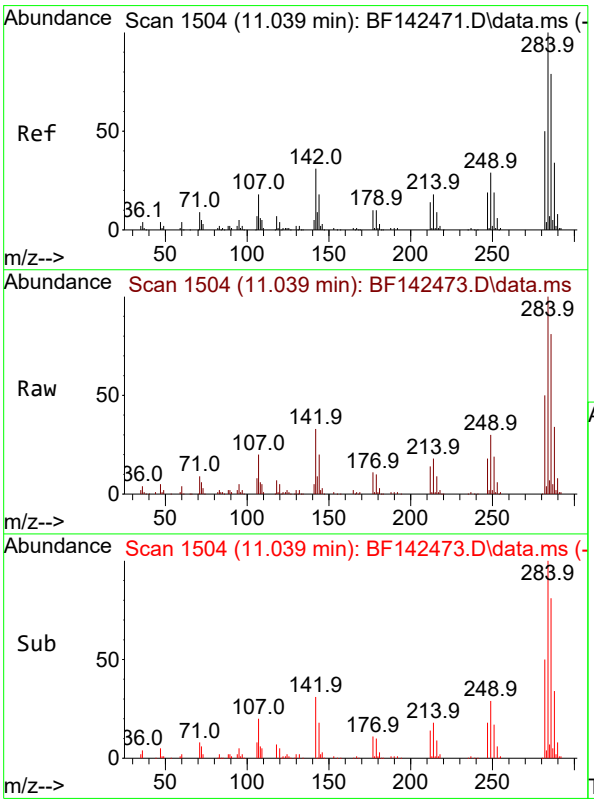
#67
4-Bromophenyl-phenylether
Concen: 61.546 ng
RT: 10.975 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 212638

Ion	Ratio	Lower	Upper
248	100		
250	97.2	79.0	118.4
141	73.2	58.4	87.6

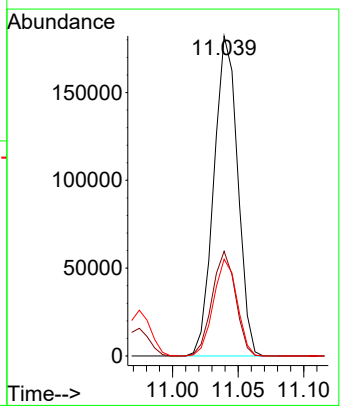


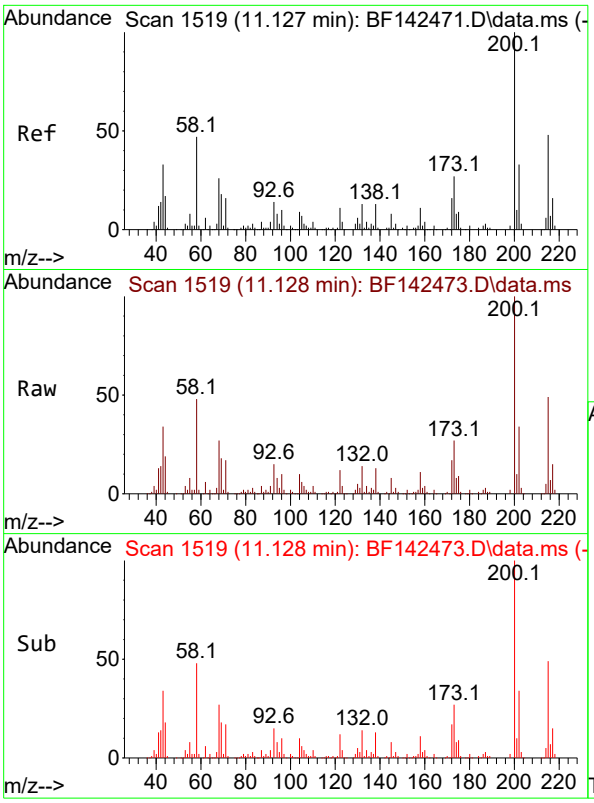


#68
Hexachlorobenzene
Concen: 60.168 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:284 Resp: 229917

Ion	Ratio	Lower	Upper
284	100		
142	32.7	24.8	37.2
249	30.2	23.6	35.4



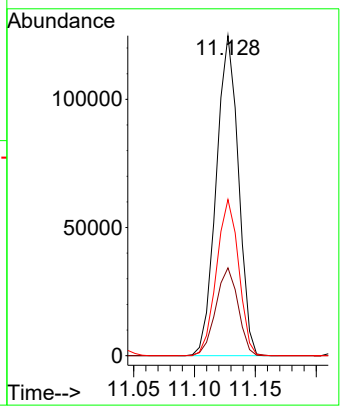


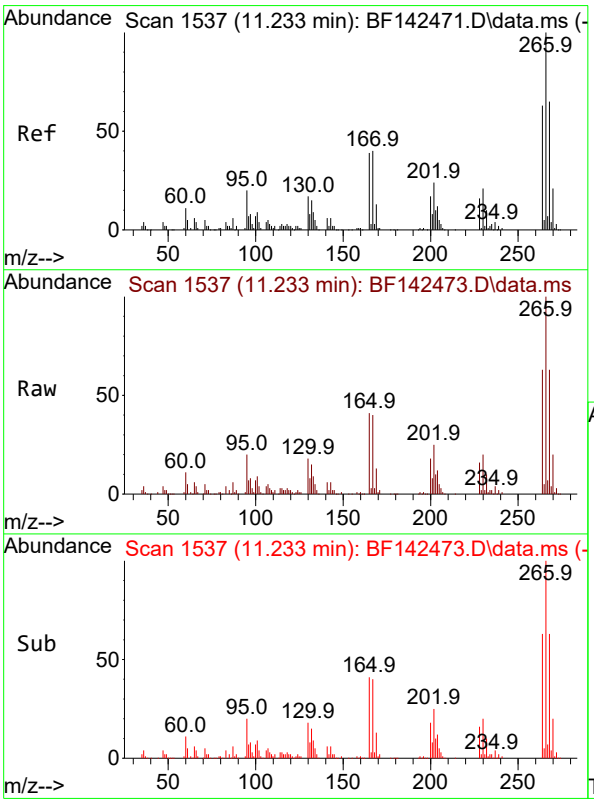
#69
Atrazine
Concen: 59.604 ng
RT: 11.128 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 158234

Ion	Ratio	Lower	Upper
200	100		
173	27.4	7.4	47.4
215	48.8	28.5	68.5

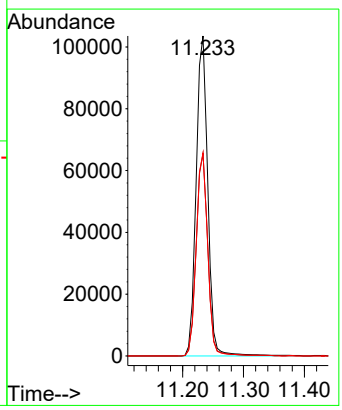


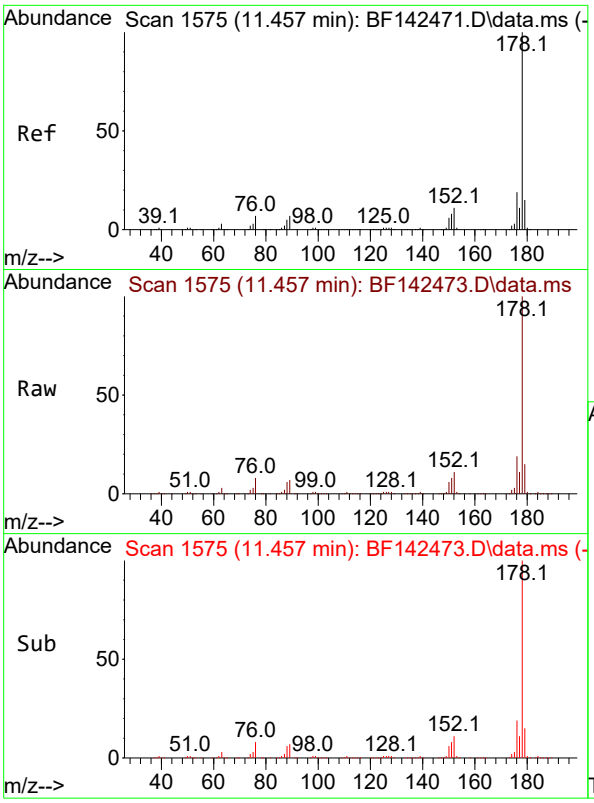


#70
Pentachlorophenol
Concen: 63.663 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:266 Resp: 137347

Ion	Ratio	Lower	Upper
266	100		
268	63.3	51.7	77.5
264	63.4	50.4	75.6



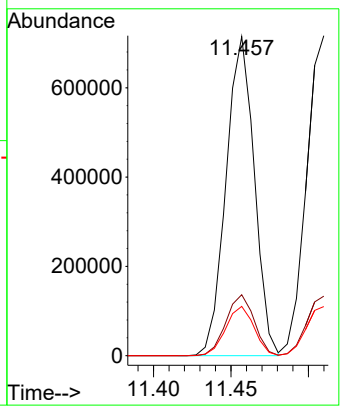


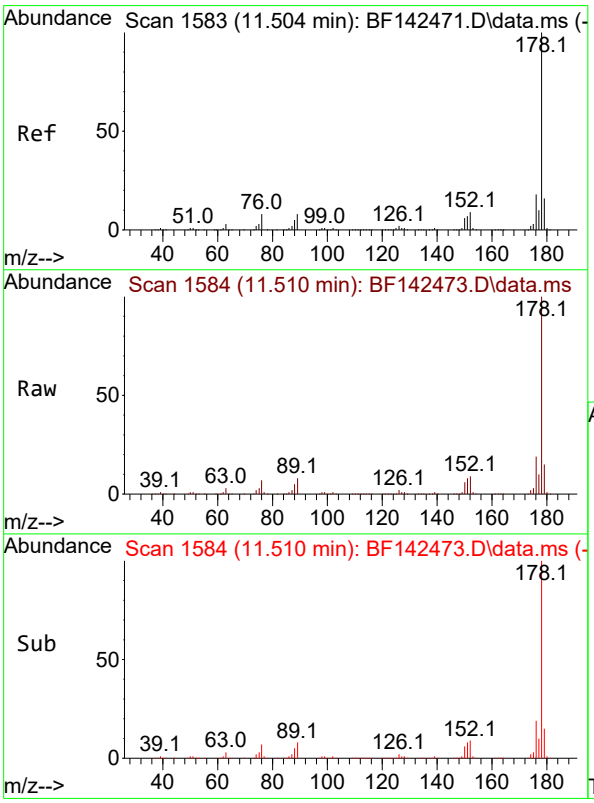
#71
Phenanthrene
Concen: 57.961 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 905073

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.4	12.3	18.5

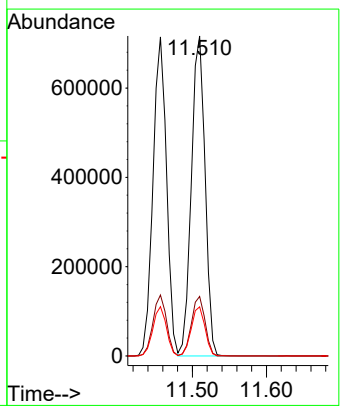


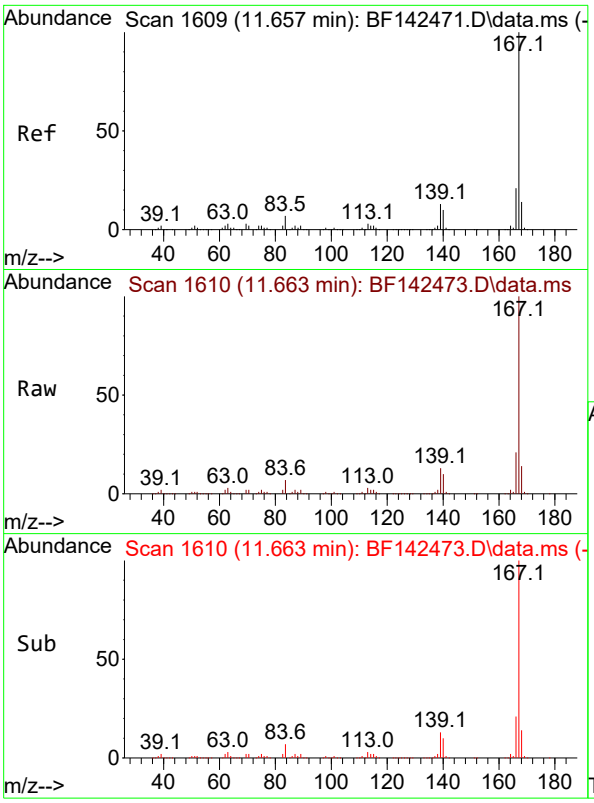


#72
Anthracene
Concen: 57.627 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:178 Resp: 918369

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	21.8
179	15.3	12.4	18.6



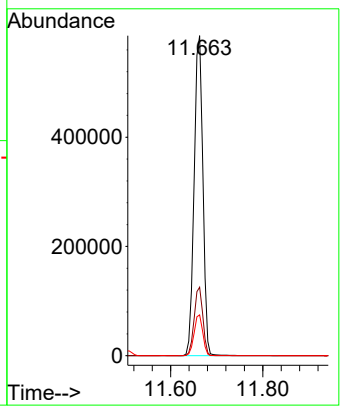


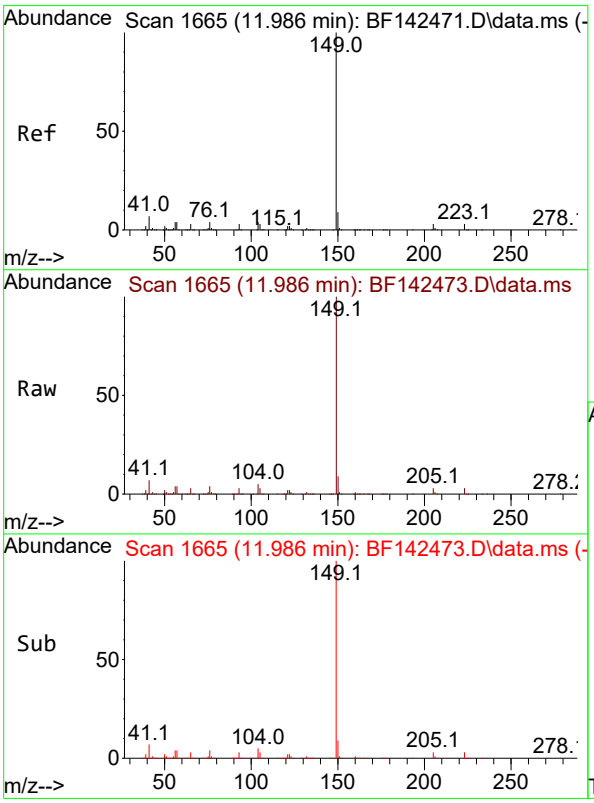
#73
Carbazole
Concen: 56.455 ng
RT: 11.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 769151

Ion	Ratio	Lower	Upper
167	100		
166	21.4	16.9	25.3
139	12.8	10.2	15.4

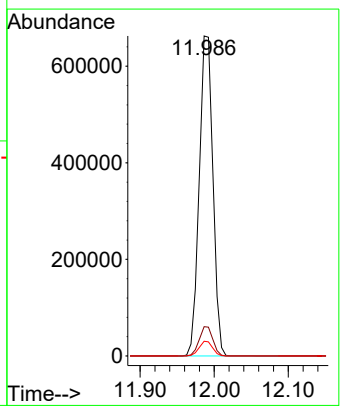


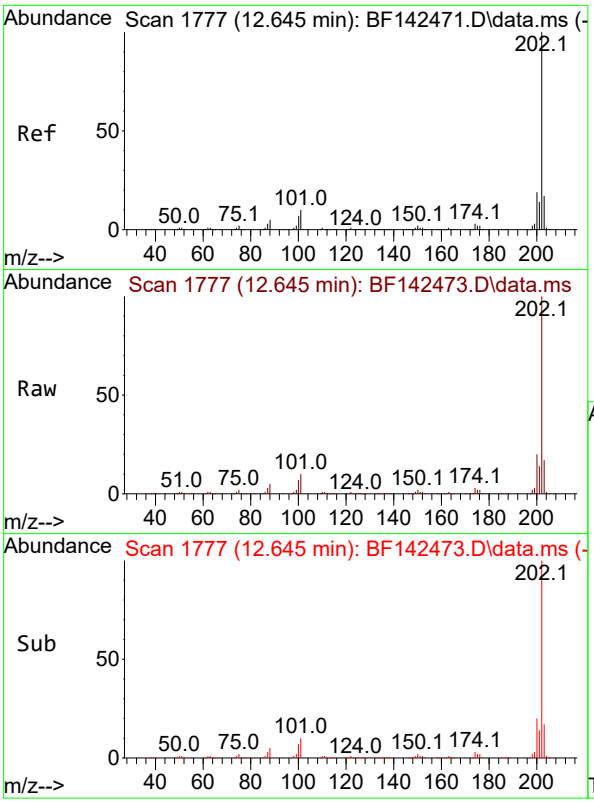


#74
Di-n-butylphthalate
Concen: 57.234 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:149 Resp: 853524

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.6	3.6	5.4



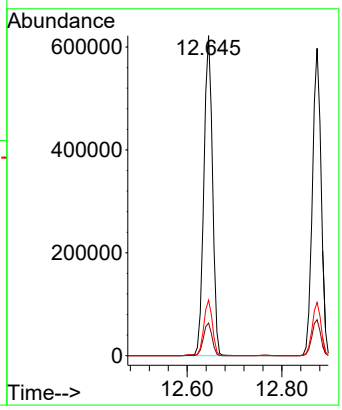


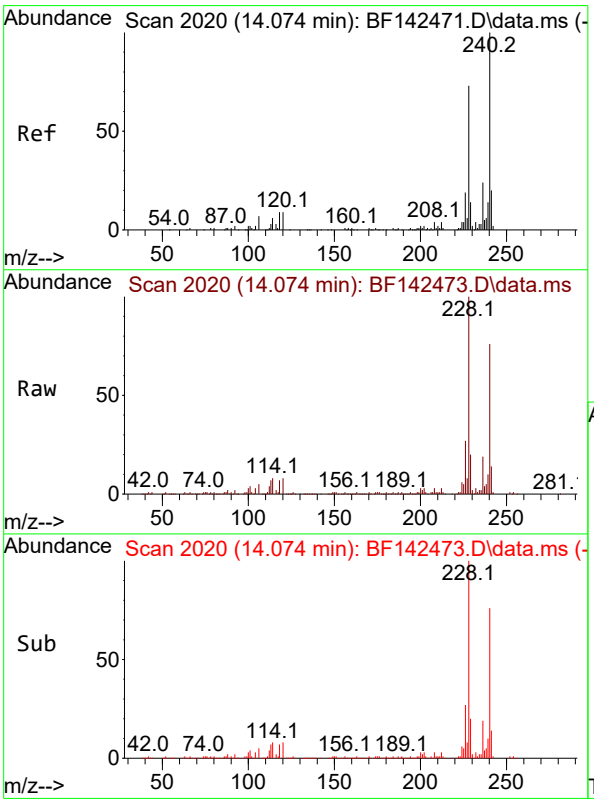
#75
Fluoranthene
Concen: 54.112 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 789533

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	29.6
203	17.3	0.0	37.2

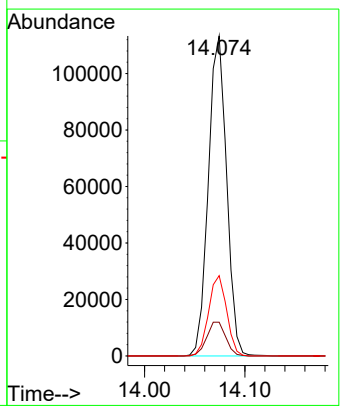


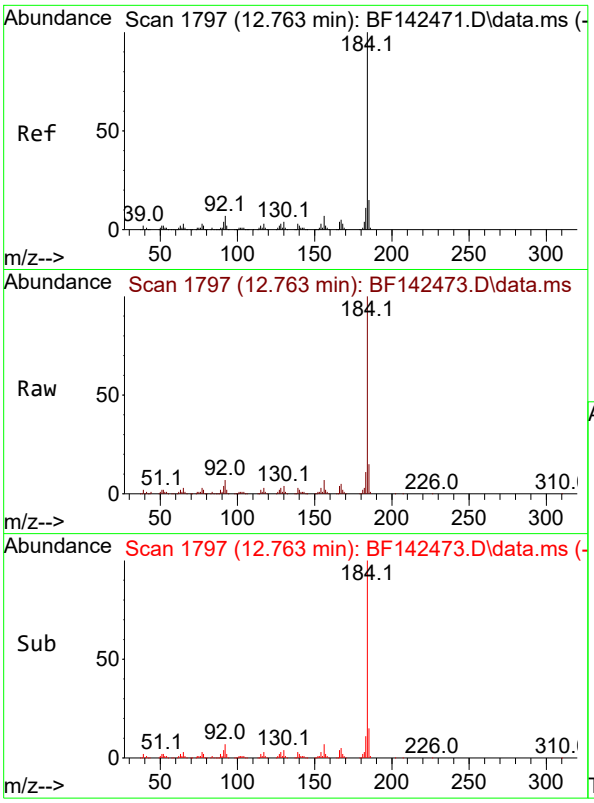


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:240 Resp: 143579

Ion	Ratio	Lower	Upper
240	100		
120	10.6	7.5	11.3
236	25.1	19.6	29.4



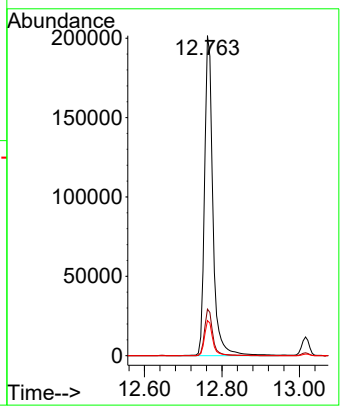


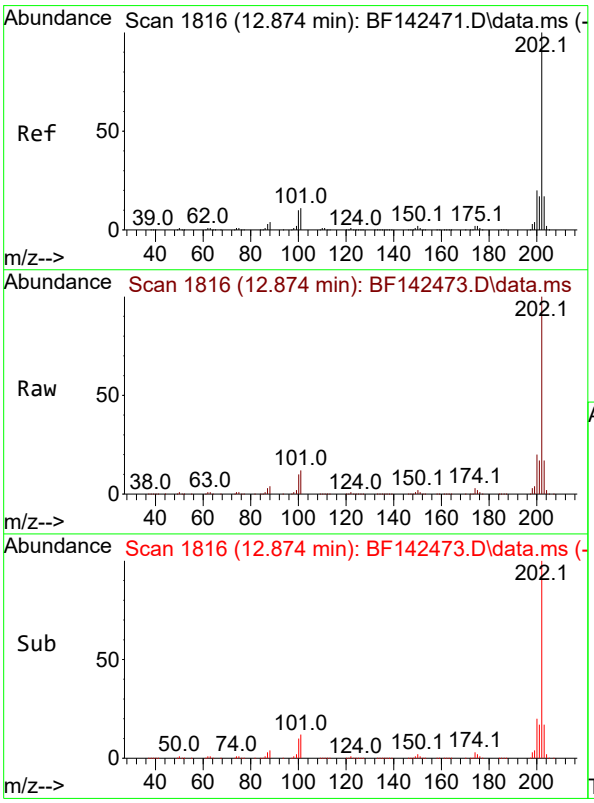
#77
Benzidine
Concen: 56.251 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 300547

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.6	17.4
183	11.0	9.0	13.4

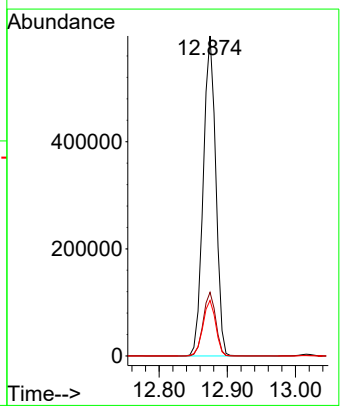


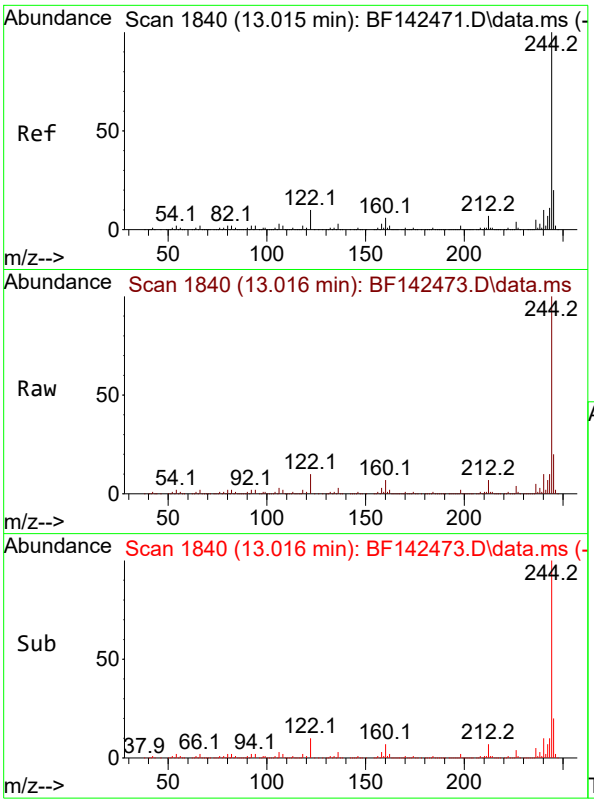


#78
Pyrene
Concen: 57.017 ng
RT: 12.874 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:202 Resp: 763672

Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.1	24.1
203	17.4	13.9	20.9



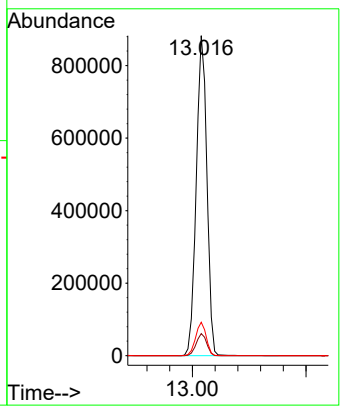


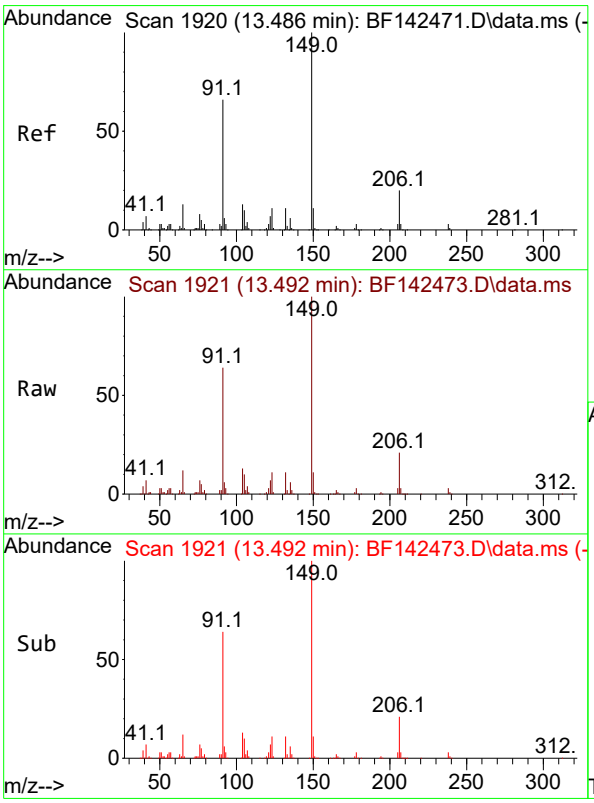
#79
Terphenyl-d14
Concen: 109.634 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 1151893

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.3	7.9
122	10.4	8.2	12.2

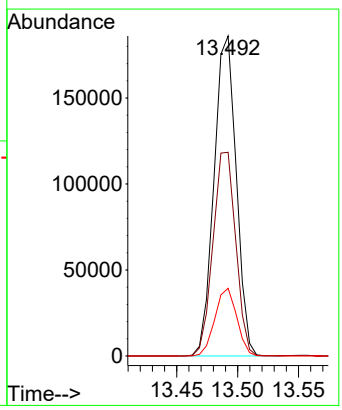


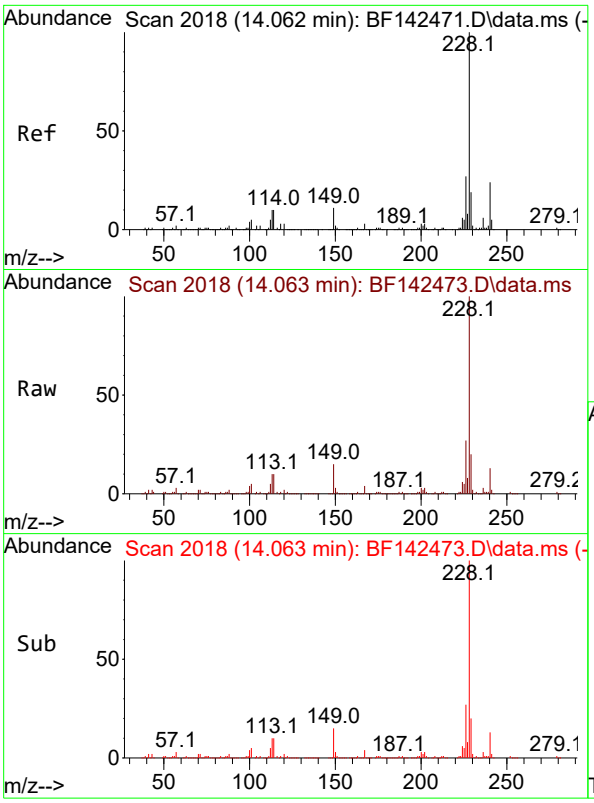


#80
Butylbenzylphthalate
Concen: 63.972 ng
RT: 13.492 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:149 Resp: 236758

Ion	Ratio	Lower	Upper
149	100		
91	63.7	52.9	79.3
206	21.2	16.2	24.2



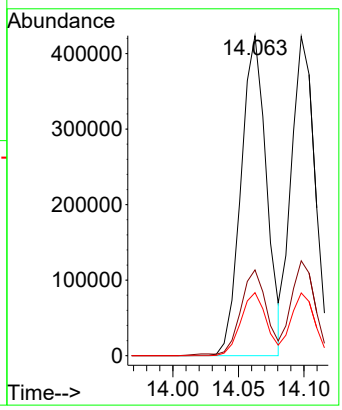


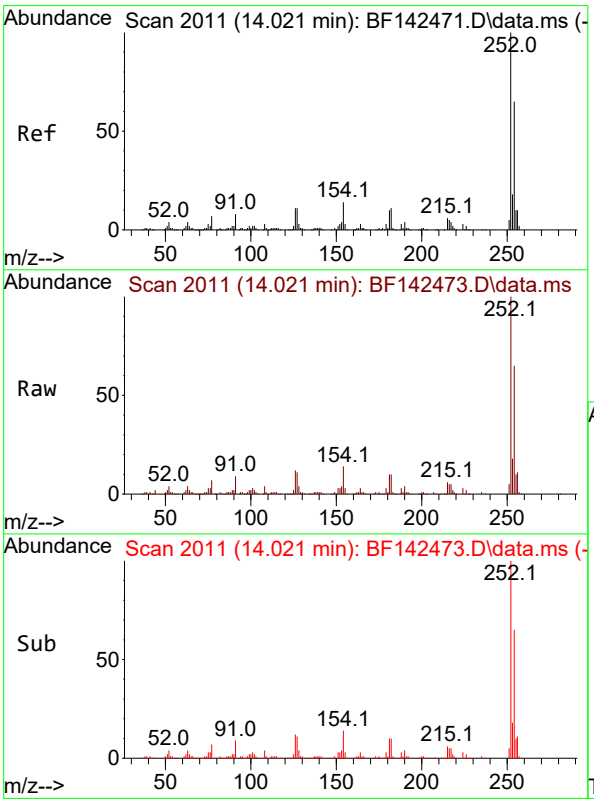
#81
Benzo(a)anthracene
Concen: 59.620 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 571607

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.2	31.8
229	19.7	15.5	23.3

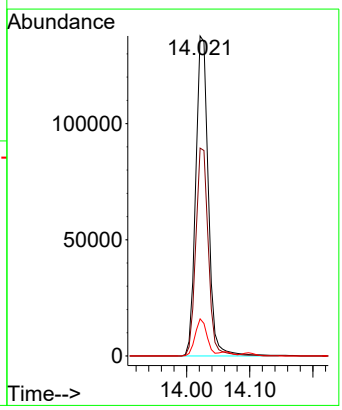


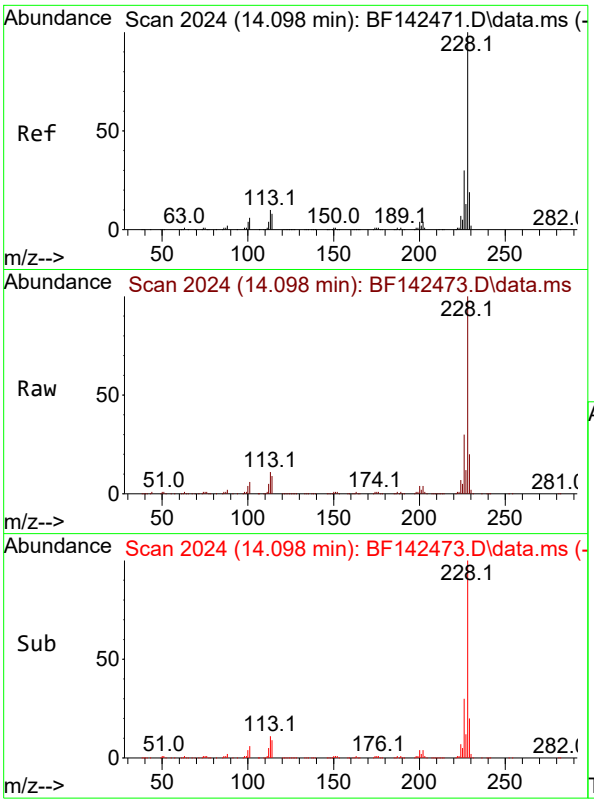


#82
3,3'-Dichlorobenzidine
Concen: 65.480 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:252 Resp: 190415

Ion	Ratio	Lower	Upper
252	100		
254	64.9	52.0	78.0
126	11.6	8.9	13.3



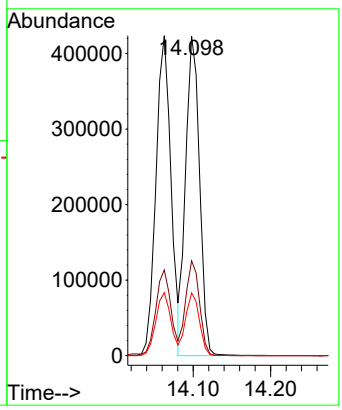


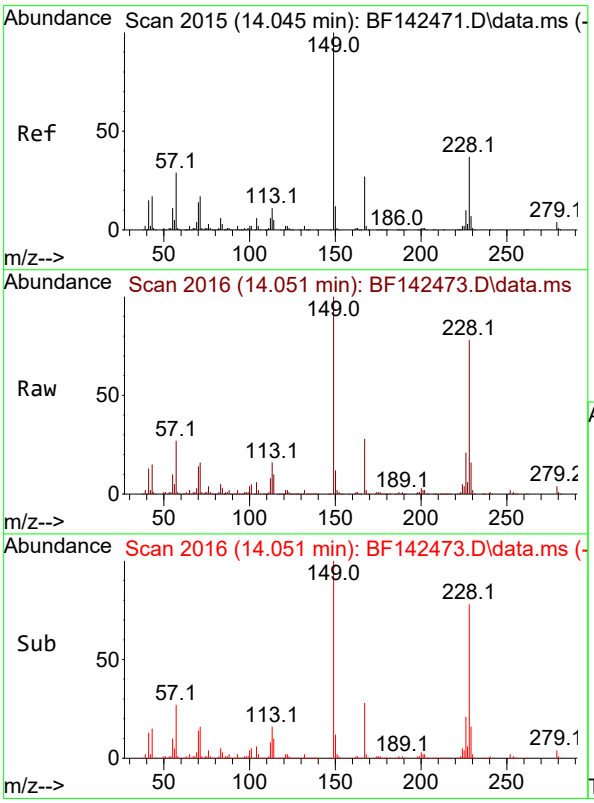
#83
Chrysene
Concen: 61.153 ng
RT: 14.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 526831

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.8	35.6
229	19.6	15.4	23.2

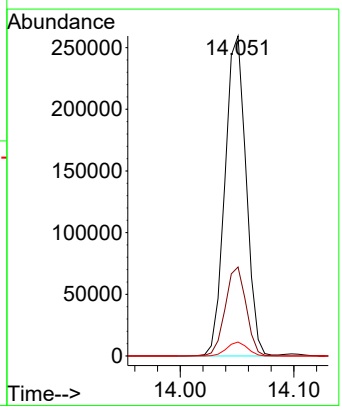


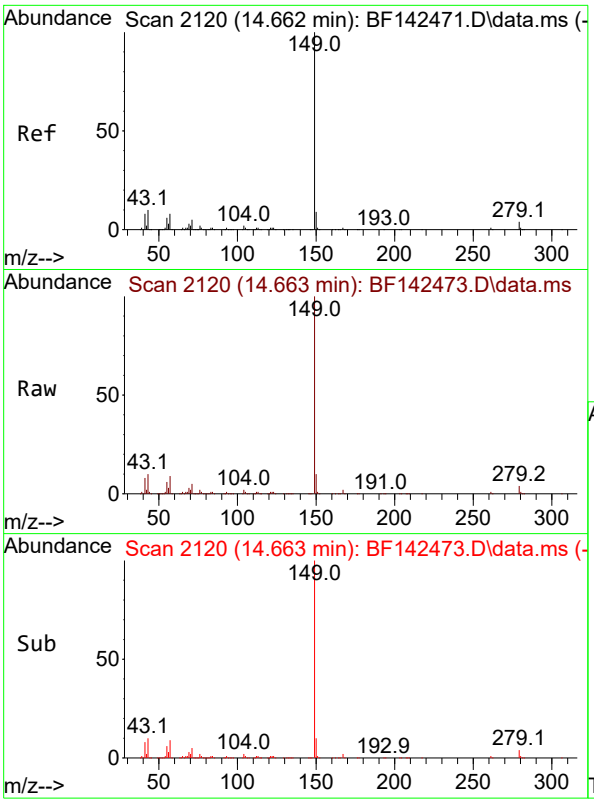


#84
Bis(2-ethylhexyl)phthalate
Concen: 70.698 ng
RT: 14.051 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:149 Resp: 334950

Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.5	32.3
279	4.4	3.2	4.8



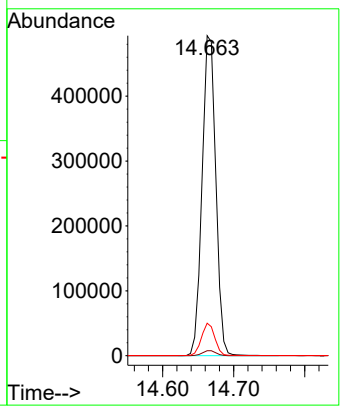


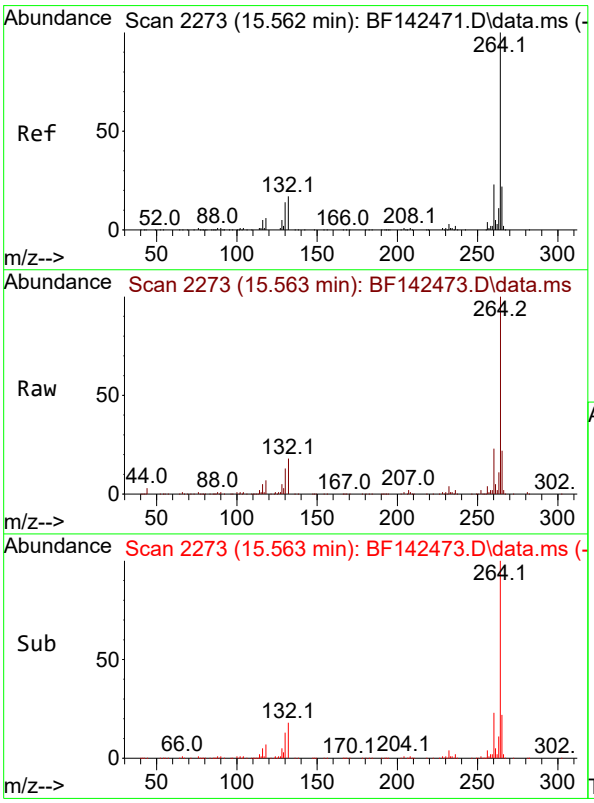
#85
Di-n-octyl phthalate
Concen: 71.701 ng
RT: 14.663 min Scan# 21
Delta R.T. -0.005 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 664220

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.8	7.9	11.9

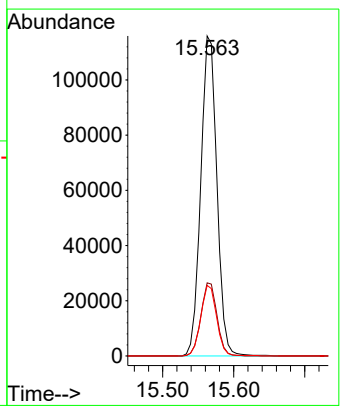


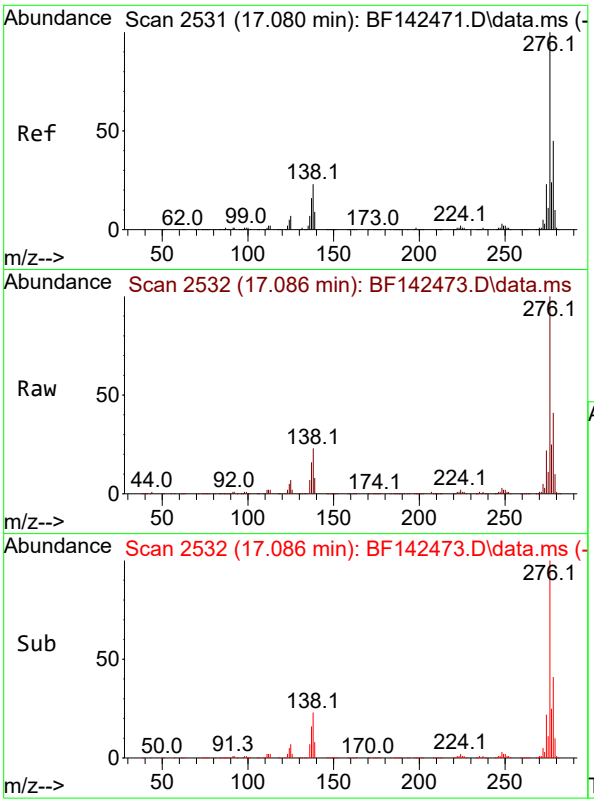


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:264 Resp: 183052

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.6	28.0
265	22.0	17.7	26.5



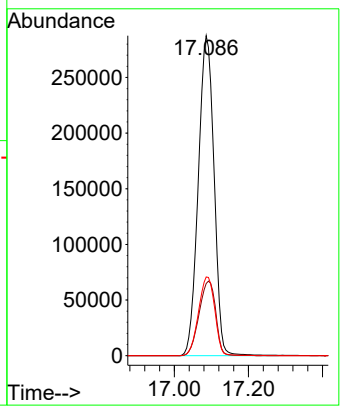


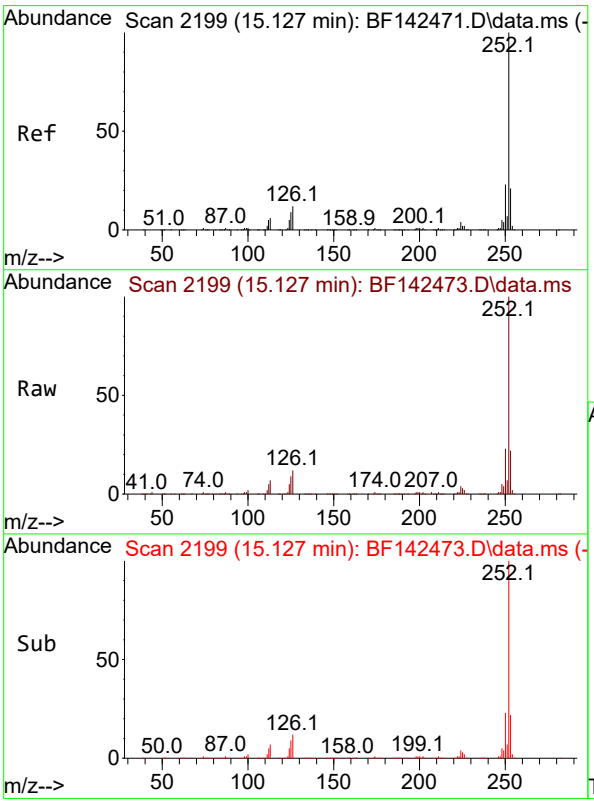
#87
Indeno(1,2,3-cd)pyrene
Concen: 61.761 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 848752

Ion	Ratio	Lower	Upper
276	100		
138	24.6	19.9	29.9
277	25.3	20.2	30.2

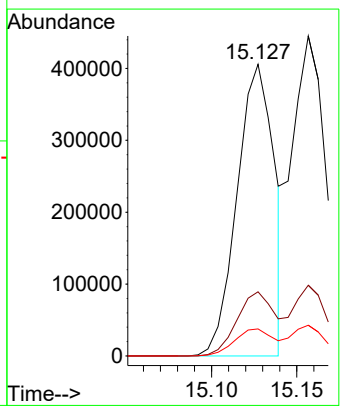


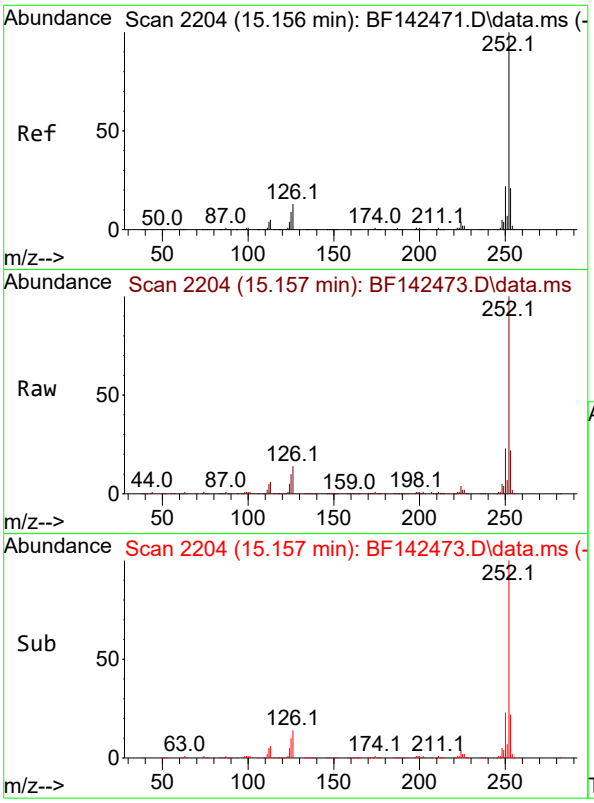


#88
Benzo(b)fluoranthene
Concen: 56.878 ng
RT: 15.127 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:252 Resp: 616210

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.4
125	9.3	7.4	11.0



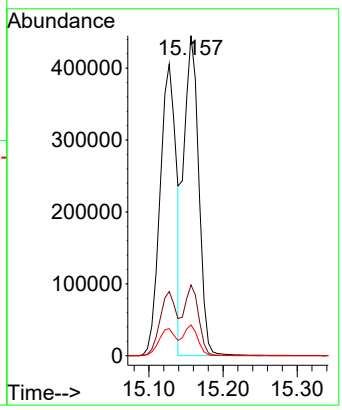


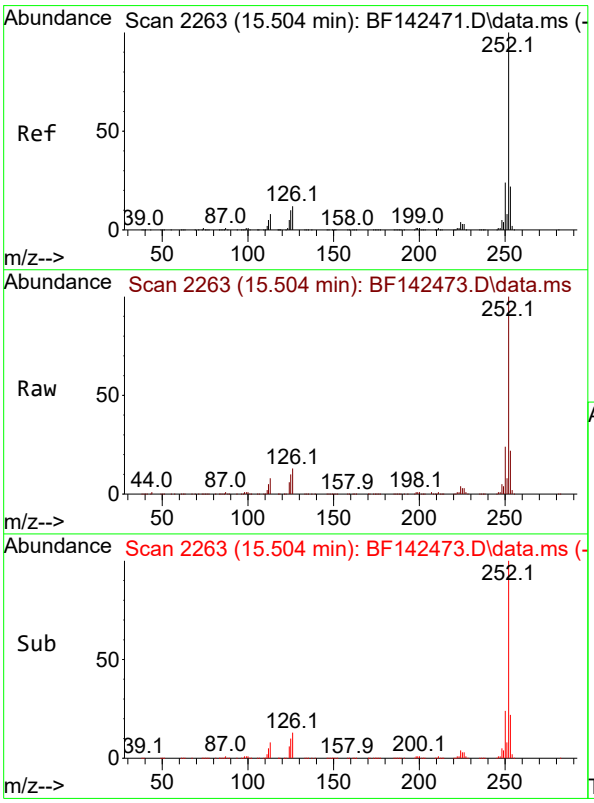
#89
Benzo(k)fluoranthene
Concen: 61.068 ng
RT: 15.157 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 619660

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.4
125	9.6	7.3	10.9

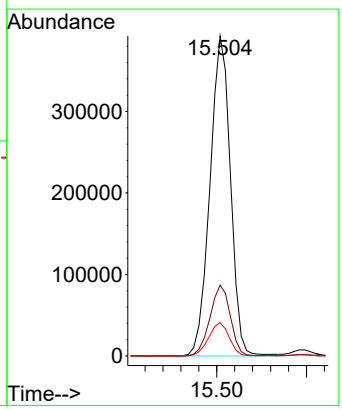


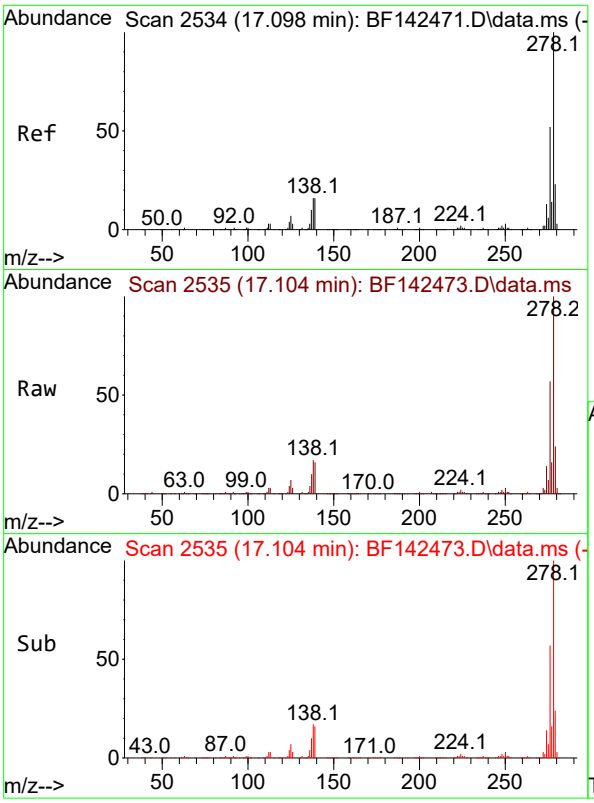


#90
Benzo(a)pyrene
Concen: 60.943 ng
RT: 15.504 min Scan# 2263
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:252 Resp: 622347

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	10.4	7.9	11.9



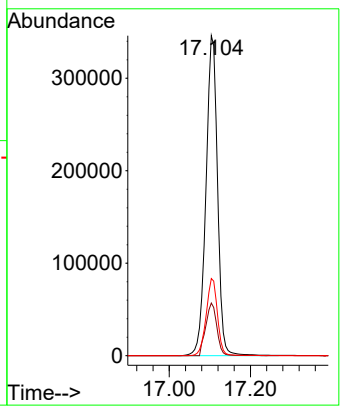


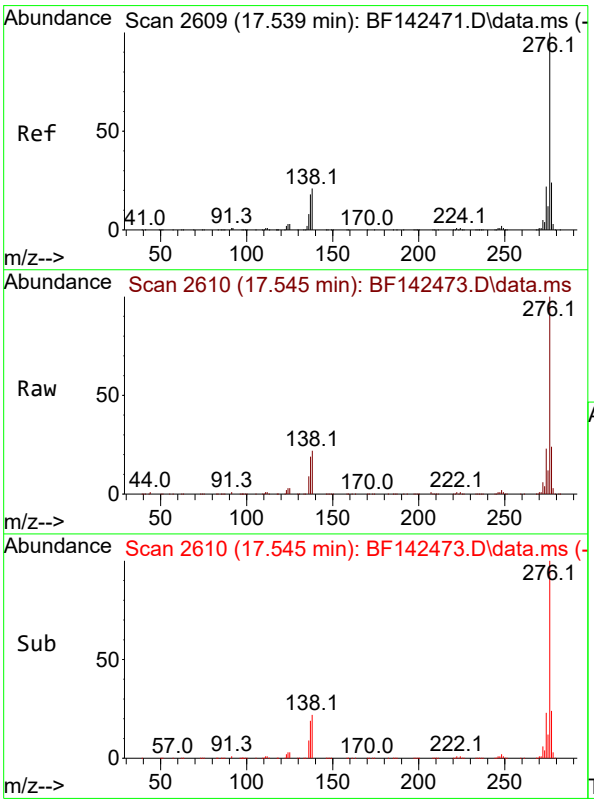
#91
Dibenzo(a,h)anthracene
Concen: 61.321 ng
RT: 17.104 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 683473

Ion	Ratio	Lower	Upper
278	100		
139	16.5	12.8	19.2
279	24.1	18.6	28.0

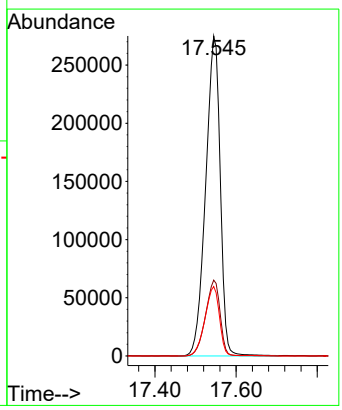




#92
Benzo(g,h,i)perylene
Concen: 61.313 ng
RT: 17.545 min Scan# 2610
Delta R.T. -0.012 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:276 Resp: 683528

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	21.7	16.8	25.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142474.D
Acq On : 20 May 2025 15:31
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: May 20 16:55:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.904	152	92899	20.000	ng		0.00
21) Naphthalene-d8	8.186	136	358380	20.000	ng		0.00
39) Acenaphthene-d10	9.945	164	188198	20.000	ng		0.00
64) Phenanthrene-d10	11.433	188	287337	20.000	ng		0.00
76) Chrysene-d12	14.074	240	154555	20.000	ng		0.00
86) Perylene-d12	15.568	264	196342	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	815861	147.959	ng		0.00
7) Phenol-d6	6.534	99	986649	148.644	ng		0.00
23) Nitrobenzene-d5	7.475	82	993768	151.205	ng		0.00
42) 2,4,6-Tribromophenol	10.739	330	304807	145.927	ng		0.00
45) 2-Fluorobiphenyl	9.269	172	1908541	136.080	ng		0.00
79) Terphenyl-d14	13.015	244	1392704	123.140	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.663	88	169363	76.756	ng		100
3) Pyridine	3.440	79	442247	78.706	ng		98
4) n-Nitrosodimethylamine	3.404	42	230814	79.114	ng		97
6) Aniline	6.569	93	671713	75.263	ng		99
8) 2-Chlorophenol	6.686	128	454577	75.687	ng		98
9) Benzaldehyde	6.451	77	219574	54.999	ng		97
10) Phenol	6.551	94	552574	73.985	ng		87
11) bis(2-Chloroethyl)ether	6.639	93	410501	76.354	ng		100
12) 1,3-Dichlorobenzene	6.845	146	489261	73.004	ng		100
13) 1,4-Dichlorobenzene	6.922	146	495948	73.465	ng		99
14) 1,2-Dichlorobenzene	7.075	146	477210	73.875	ng		100
15) Benzyl Alcohol	7.045	79	381381	77.750	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.181	45	663576	73.497	ng		99
17) 2-Methylphenol	7.151	107	358569	76.467	ng		99
18) Hexachloroethane	7.416	117	177426	75.267	ng		98
19) n-Nitroso-di-n-propyla...	7.328	70	304362	73.987	ng		97
20) 3+4-Methylphenols	7.310	107	426933	71.097	ng		94
22) Acetophenone	7.316	105	571777	72.072	ng	#	95
24) Nitrobenzene	7.492	77	452330	76.309	ng		98
25) Isophorone	7.733	82	838652	76.321	ng		99
26) 2-Nitrophenol	7.804	139	248427	78.434	ng		99
27) 2,4-Dimethylphenol	7.839	122	422403	75.623	ng		99
28) bis(2-Chloroethoxy)met...	7.939	93	513063	74.744	ng		98
29) 2,4-Dichlorophenol	8.045	162	381590	75.121	ng		99
30) 1,2,4-Trichlorobenzene	8.128	180	406857	73.801	ng		98
31) Naphthalene	8.210	128	1277048	72.369	ng		99
32) Benzoic acid	7.975	122	288731	84.918	ng		99
33) 4-Chloroaniline	8.257	127	492168	68.830	ng		100
34) Hexachlorobutadiene	8.328	225	252445	73.338	ng		98
35) Caprolactam	8.645	113	109232	76.565	ng		100
36) 4-Chloro-3-methylphenol	8.739	107	388740	74.674	ng		99
37) 2-Methylnaphthalene	8.898	142	796463	71.742	ng		100
38) 1-Methylnaphthalene	8.998	142	811747	70.689	ng		99
40) 1,2,4,5-Tetrachloroben...	9.069	216	409177	75.740	ng		100
41) Hexachlorocyclopentadiene	9.051	237	309537	84.936	ng		100
43) 2,4,6-Trichlorophenol	9.175	196	285072	78.254	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142474.D
Acq On : 20 May 2025 15:31
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: May 20 16:55:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

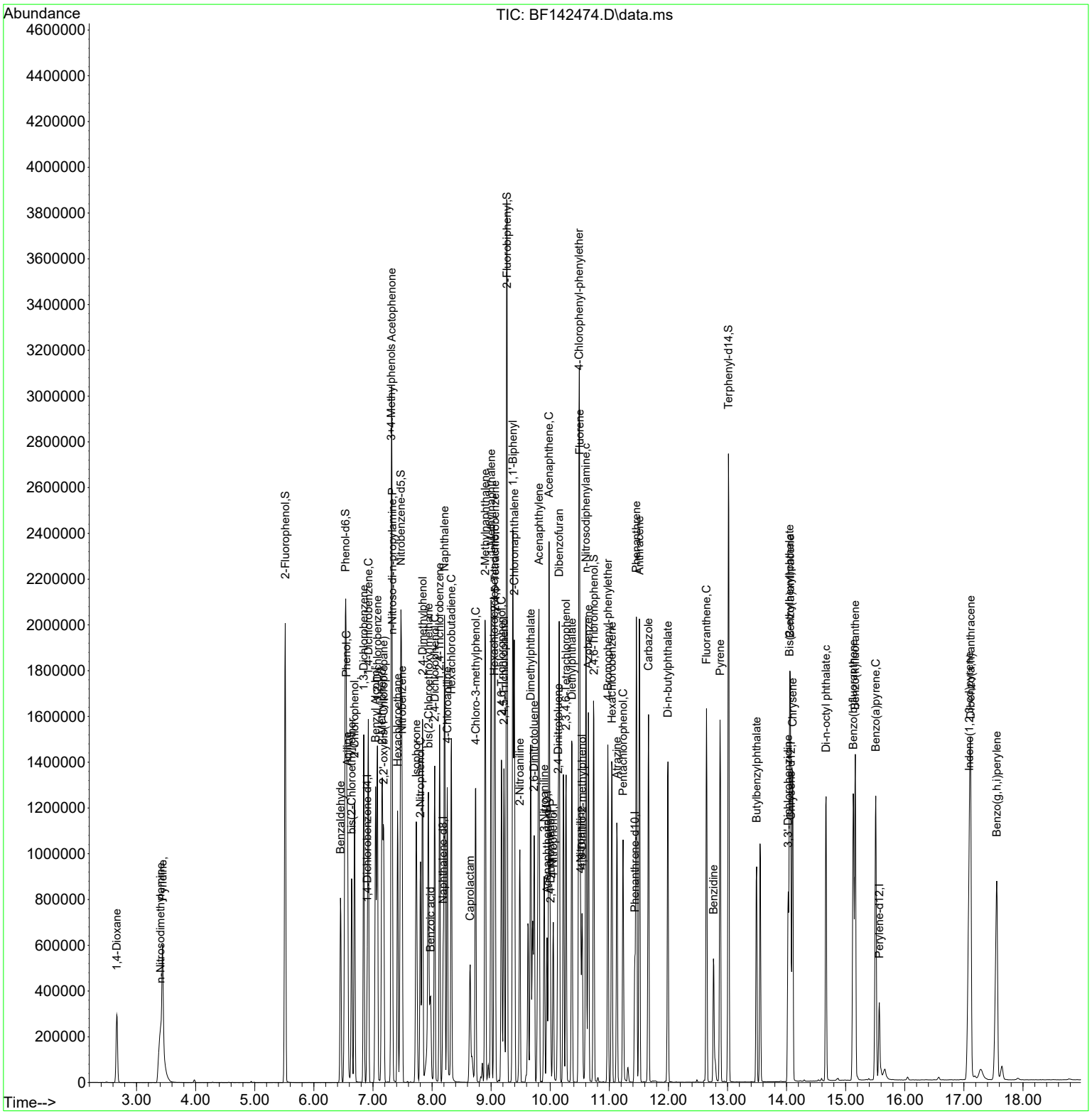
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	287041	74.712	ng	99
46) 1,1'-Biphenyl	9.369	154	1059787	72.584	ng	100
47) 2-Chloronaphthalene	9.392	162	798539	74.024	ng	99
48) 2-Nitroaniline	9.486	65	241162	77.343	ng	99
49) Acenaphthylene	9.810	152	1313668	72.118	ng	99
50) Dimethylphthalate	9.669	163	911534	73.405	ng	100
51) 2,6-Dinitrotoluene	9.727	165	201545	75.198	ng	96
52) Acenaphthene	9.980	154	810811	72.896	ng	100
53) 3-Nitroaniline	9.898	138	216422	73.930	ng	100
54) 2,4-Dinitrophenol	10.004	184	119082	85.999	ng	94
55) Dibenzofuran	10.151	168	1136276	70.990	ng	99
56) 4-Nitrophenol	10.051	139	165537	76.638	ng	99
57) 2,4-Dinitrotoluene	10.133	165	259035	74.005	ng	99
58) Fluorene	10.498	166	857882	69.377	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.269	232	238382	74.324	ng	99
60) Diethylphthalate	10.369	149	858326	70.773	ng	100
61) 4-Chlorophenyl-phenyle...	10.486	204	426386	70.193	ng	99
62) 4-Nitroaniline	10.516	138	188782	71.105	ng	98
63) Azobenzene	10.645	77	794029	72.893	ng	98
65) 4,6-Dinitro-2-methylph...	10.539	198	141863	88.468	ng	99
66) n-Nitrosodiphenylamine	10.604	169	758366	77.145	ng	99
67) 4-Bromophenyl-phenylether	10.974	248	264739	77.920	ng	98
68) Hexachlorobenzene	11.045	284	287676	76.555	ng	98
69) Atrazine	11.127	200	199929	76.581	ng	99
70) Pentachlorophenol	11.233	266	177504	83.666	ng	99
71) Phenanthrene	11.457	178	1107683	72.134	ng	100
72) Anthracene	11.510	178	1144182	73.009	ng	99
73) Carbazole	11.663	167	956069	71.360	ng	99
74) Di-n-butylphthalate	11.992	149	1043468	71.153	ng	100
75) Fluoranthene	12.645	202	972105	67.750	ng	99
77) Benzidine	12.763	184	343909	59.795	ng	100
78) Pyrene	12.874	202	931844	64.632	ng	100
80) Butylbenzylphthalate	13.492	149	319716	80.252	ng	98
81) Benzo(a)anthracene	14.062	228	765441	74.167	ng	99
82) 3,3'-Dichlorobenzidine	14.027	252	257542	82.274	ng	99
83) Chrysene	14.104	228	715970	77.206	ng	100
84) Bis(2-ethylhexyl)phtha...	14.051	149	449654	88.168	ng	99
85) Di-n-octyl phthalate	14.668	149	888230	89.073	ng	99
87) Indeno(1,2,3-cd)pyrene	17.092	276	1126401	76.417	ng	100
88) Benzo(b)fluoranthene	15.127	252	874640	75.267	ng	98
89) Benzo(k)fluoranthene	15.162	252	803775	73.850	ng	99
90) Benzo(a)pyrene	15.509	252	833783	76.121	ng	99
91) Dibenzo(a,h)anthracene	17.115	278	902757	75.513	ng	99
92) Benzo(g,h,i)perylene	17.556	276	909649	76.073	ng	99

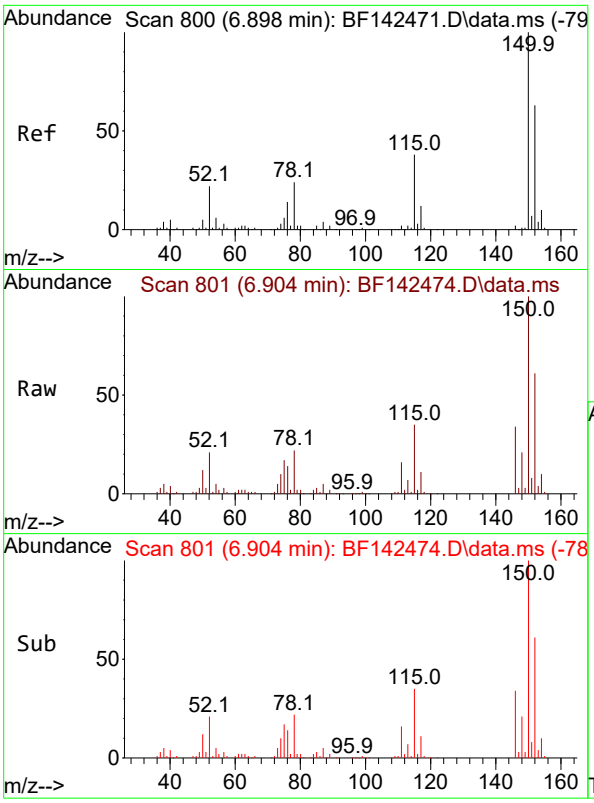
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142474.D
Acq On : 20 May 2025 15:31
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: May 20 16:55:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



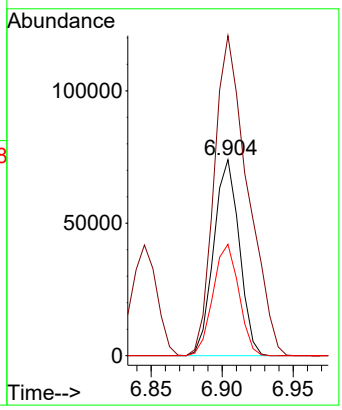


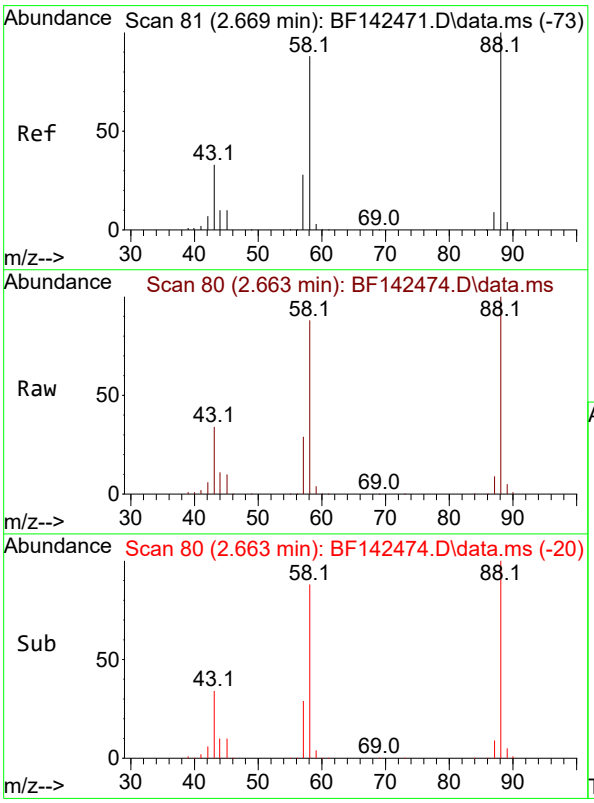
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 92899

Ion	Ratio	Lower	Upper
152	100		
150	163.3	128.2	192.4
115	56.9	48.3	72.5

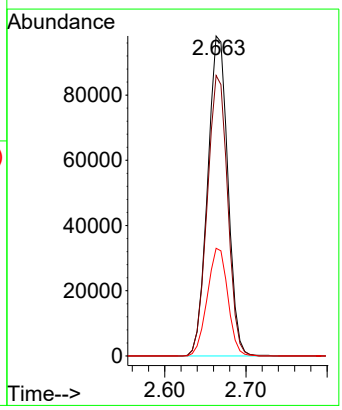


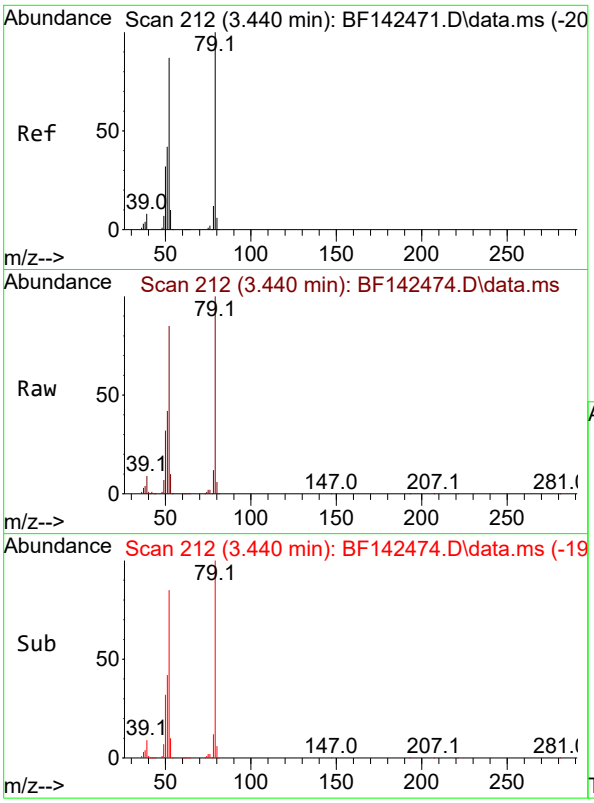


#2
1,4-Dioxane
Concen: 76.756 ng
RT: 2.663 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion: 88 Resp: 169363

Ion	Ratio	Lower	Upper
88	100		
58	88.4	70.8	106.2
43	34.1	26.6	40.0



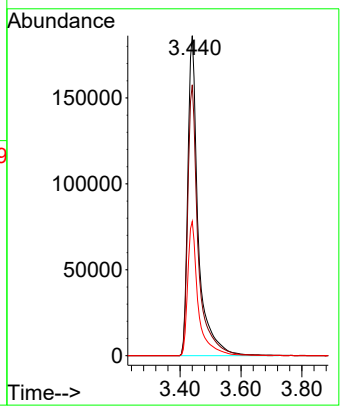


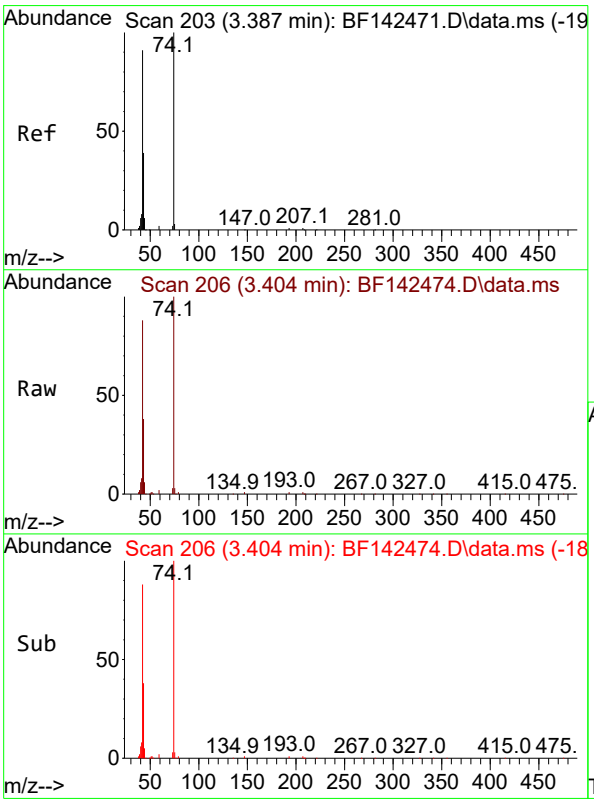
#3
Pyridine
Concen: 78.706 ng
RT: 3.440 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 442247

Ion	Ratio	Lower	Upper
79	100		
52	84.6	69.2	103.8
51	42.0	33.3	49.9

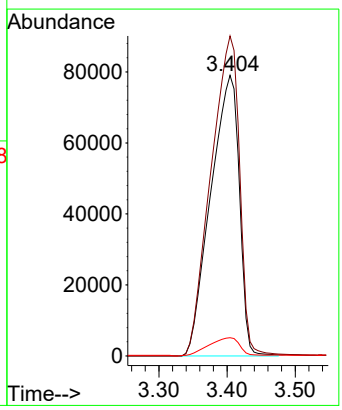


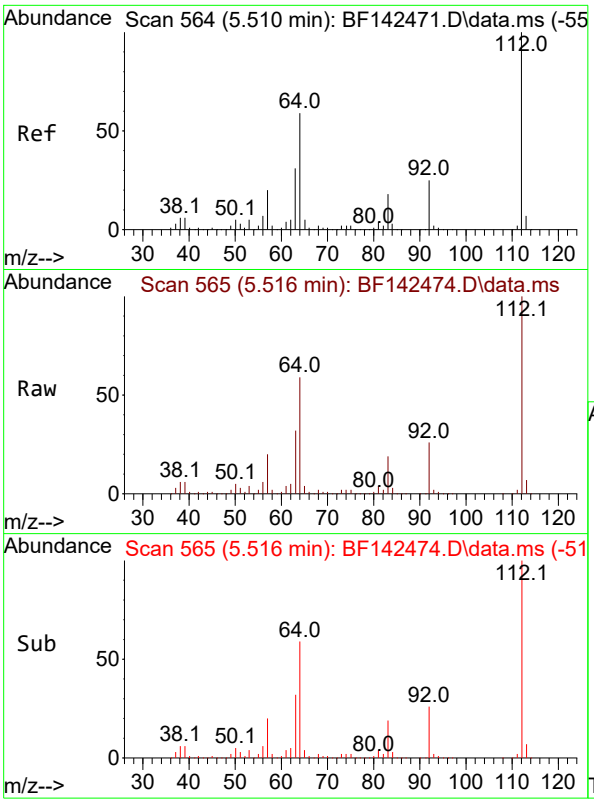


#4
n-Nitrosodimethylamine
Concen: 79.114 ng
RT: 3.404 min Scan# 206
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion: 42 Resp: 230814

Ion	Ratio	Lower	Upper
42	100		
74	114.0	88.2	132.4
44	6.5	5.4	8.2



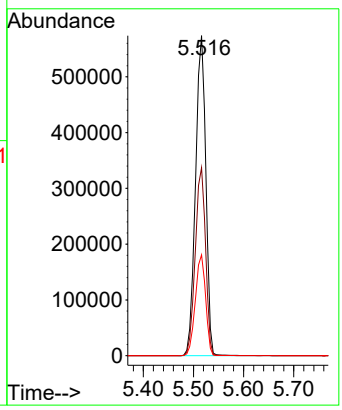


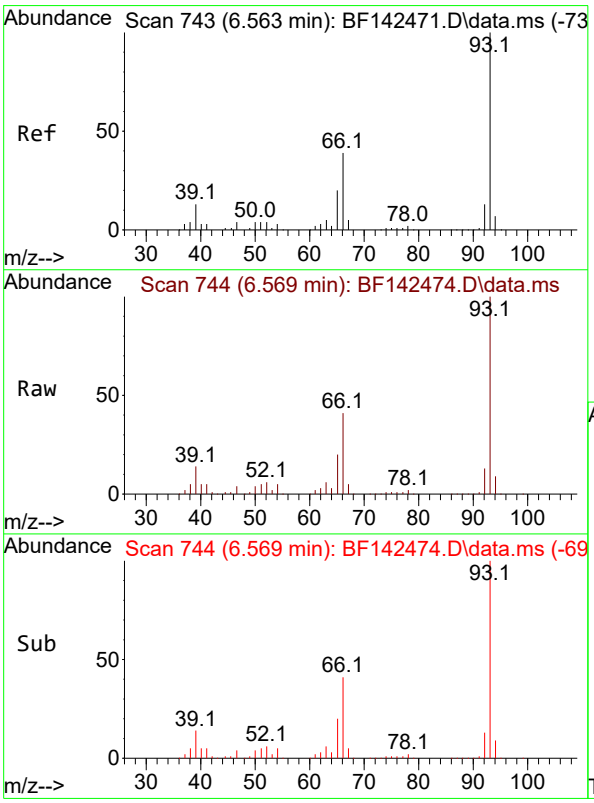
#5
2-Fluorophenol
Concen: 147.959 ng
RT: 5.516 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 815861

Ion	Ratio	Lower	Upper
112	100		
64	58.7	47.5	71.3
63	31.5	24.9	37.3

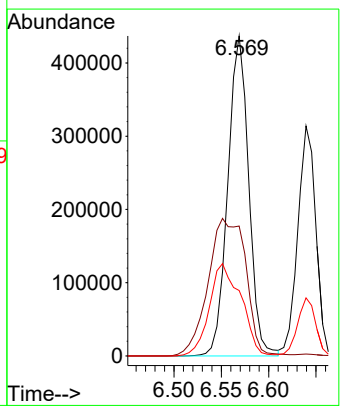


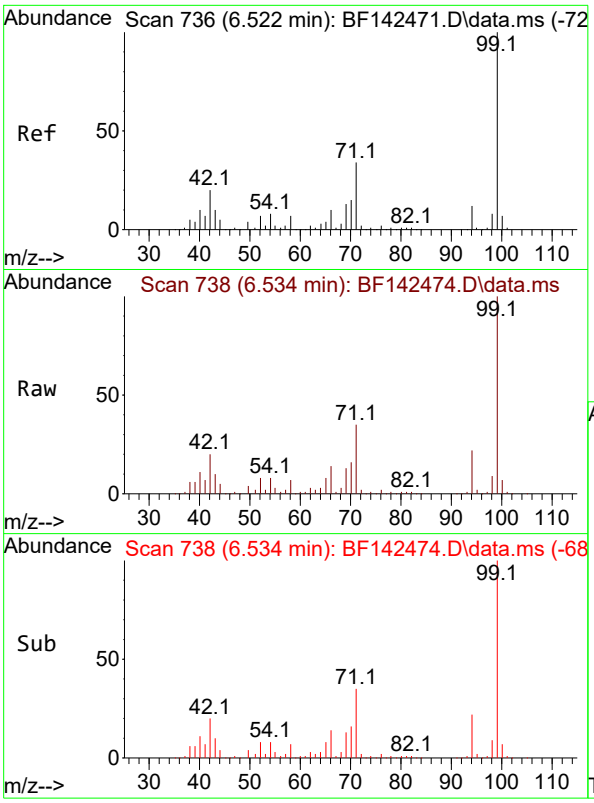


#6
Aniline
Concen: 75.263 ng
RT: 6.569 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion: 93 Resp: 671713

Ion	Ratio	Lower	Upper
93	100		
66	40.6	32.0	48.0
65	20.5	16.1	24.1



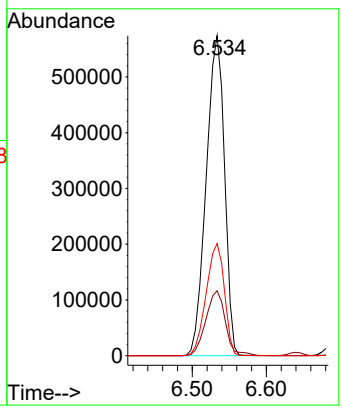


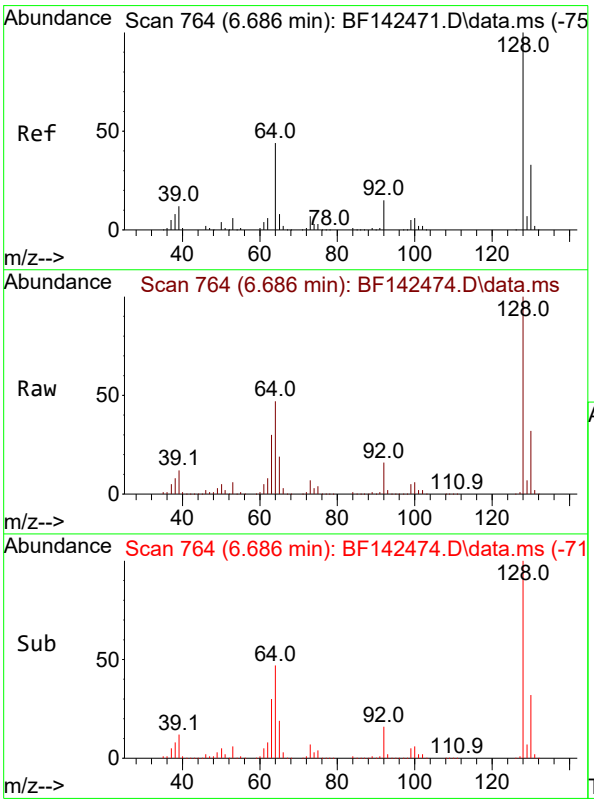
#7
Phenol-d6
Concen: 148.644 ng
RT: 6.534 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 986649

Ion	Ratio	Lower	Upper
99	100		
42	20.3	16.2	24.2
71	35.1	27.3	40.9

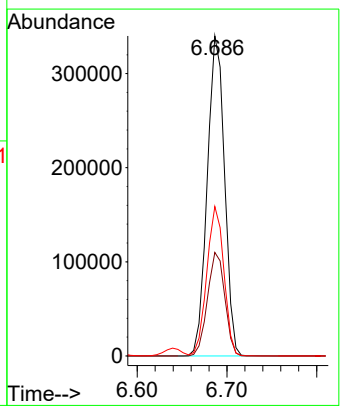


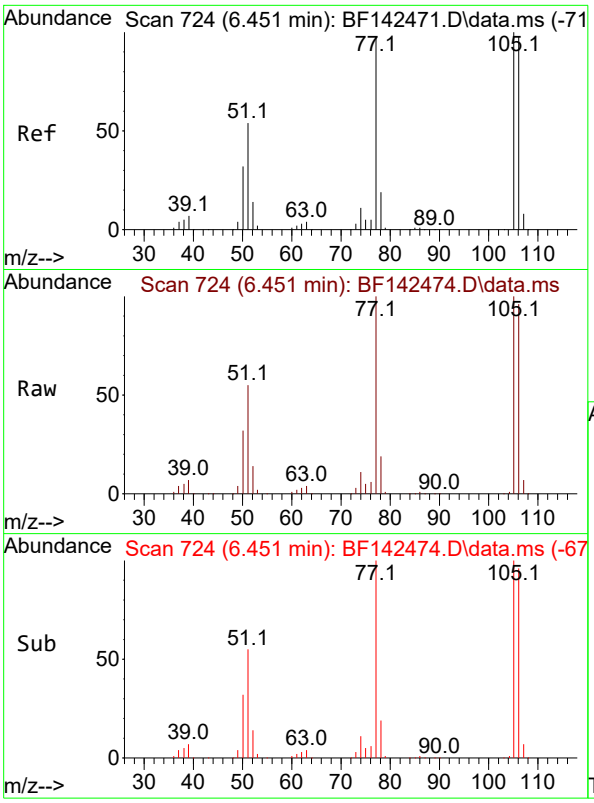


#8
2-Chlorophenol
Concen: 75.687 ng
RT: 6.686 min Scan# 764
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:128 Resp: 454577

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.6	52.6
64	46.7	25.1	65.1



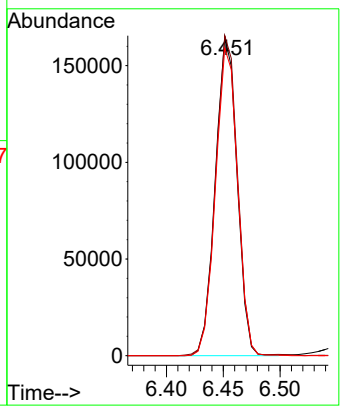


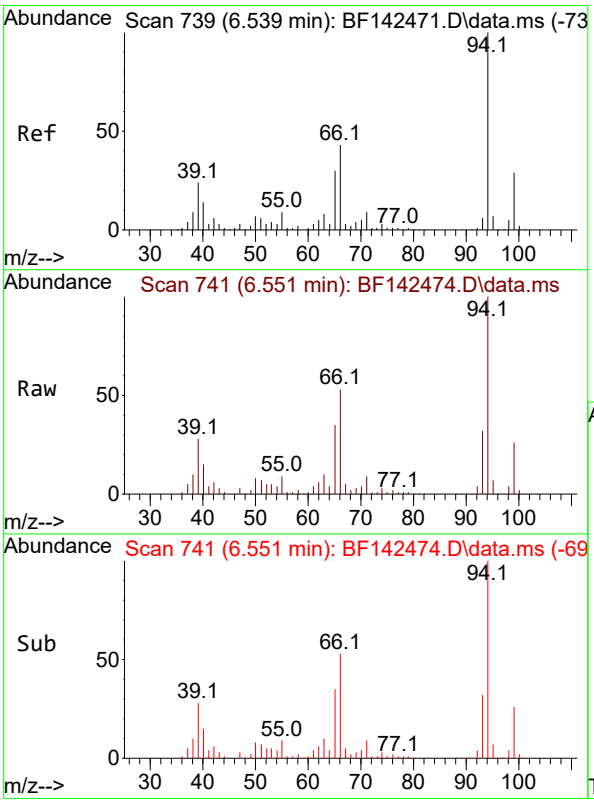
#9
Benzaldehyde
Concen: 54.999 ng
RT: 6.451 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 219574

Ion	Ratio	Lower	Upper
77	100		
105	100.3	82.5	122.5
106	96.4	80.0	120.0

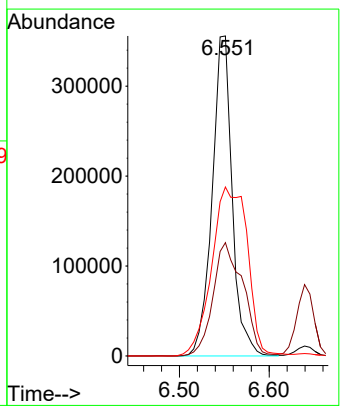


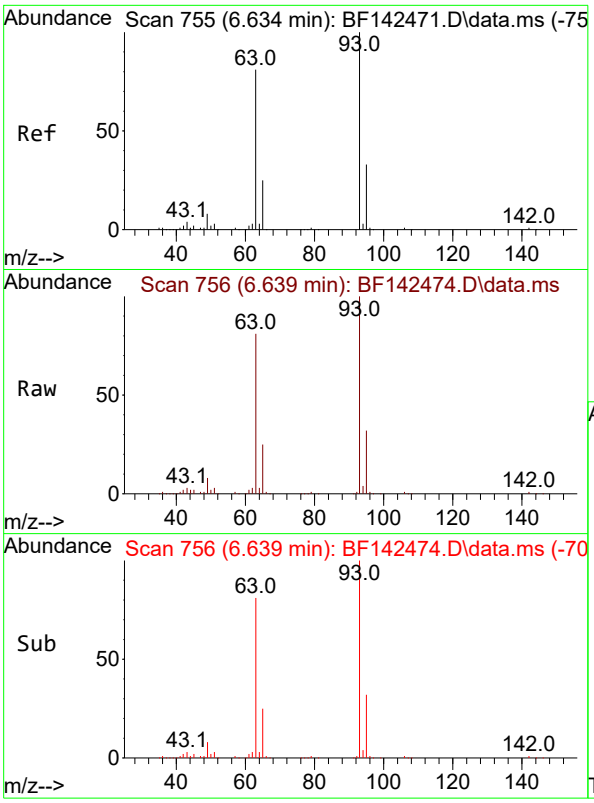


#10
Phenol
Concen: 73.985 ng
RT: 6.551 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion: 94 Resp: 552574

Ion	Ratio	Lower	Upper
94	100		
65	35.4	10.3	50.3
66	52.8	22.6	62.6



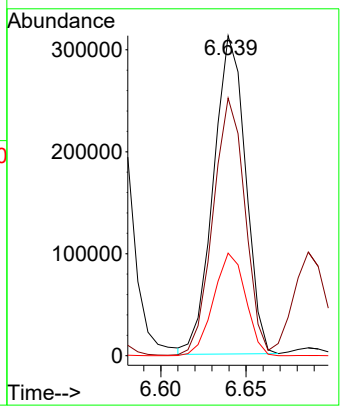


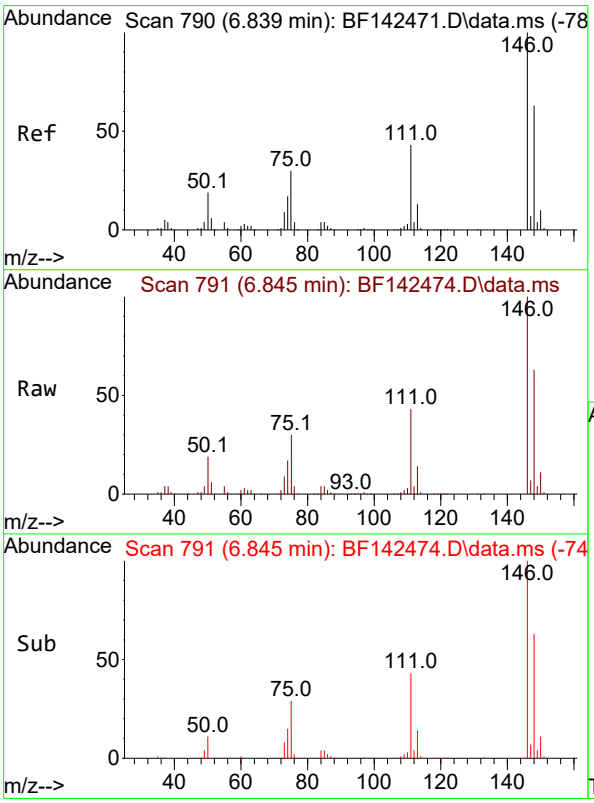
#11
bis(2-Chloroethyl)ether
Concen: 76.354 ng
RT: 6.639 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 410501

Ion	Ratio	Lower	Upper
93	100		
63	80.5	60.2	100.2
95	32.1	12.3	52.3

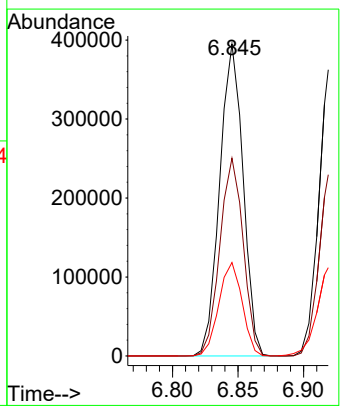


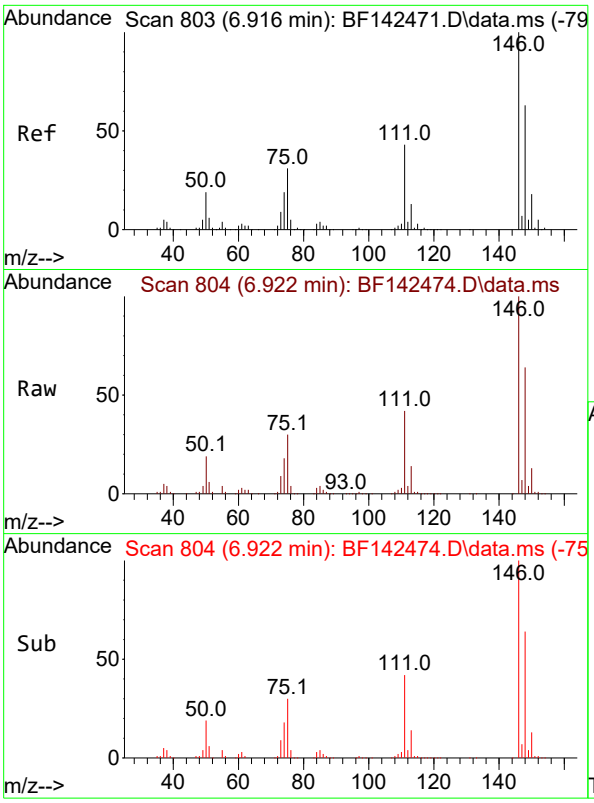


#12
1,3-Dichlorobenzene
Concen: 73.004 ng
RT: 6.845 min Scan# 791
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:146 Resp: 489261

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.6	75.8
75	30.0	23.8	35.6



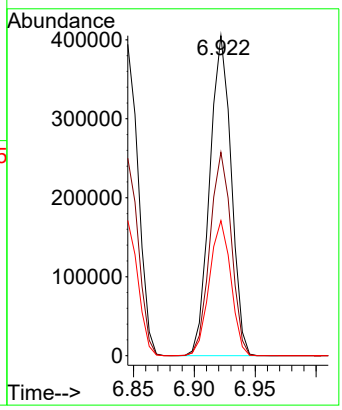


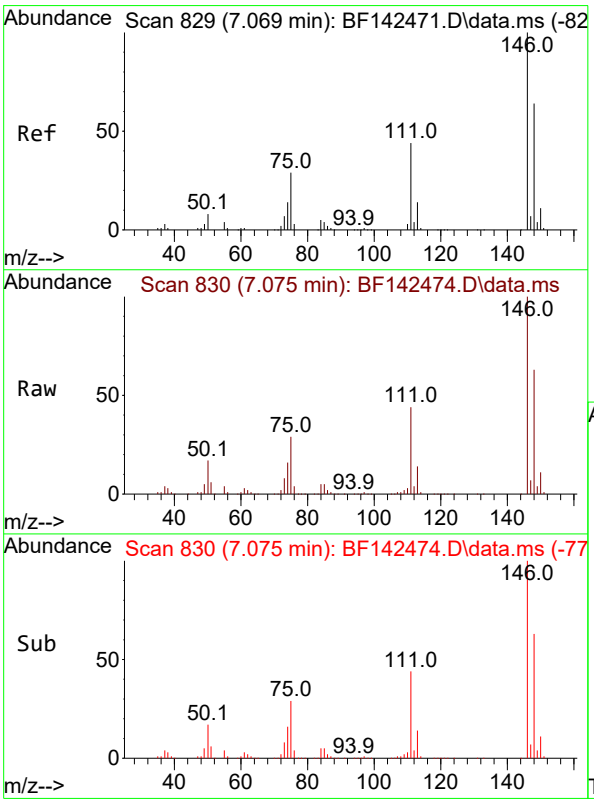
#13
1,4-Dichlorobenzene
Concen: 73.465 ng
RT: 6.922 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 495948

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.4	75.6
111	42.2	34.1	51.1

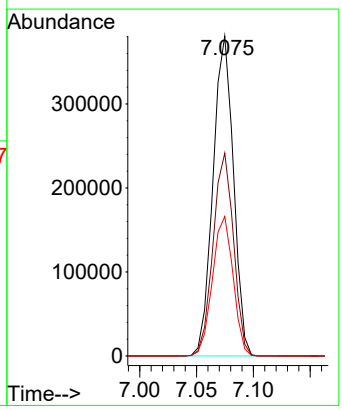


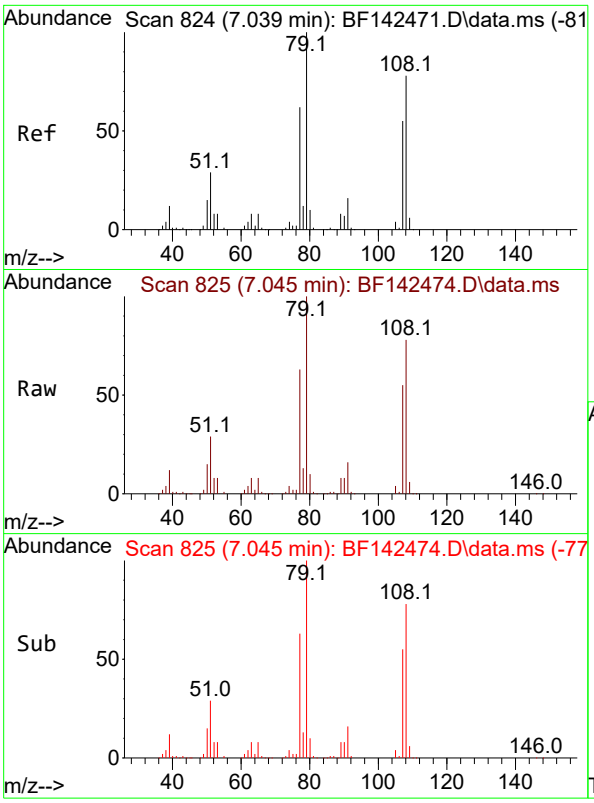


#14
1,2-Dichlorobenzene
Concen: 73.875 ng
RT: 7.075 min Scan# 830
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:146 Resp: 477210

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.0	76.4
111	43.6	35.0	52.6



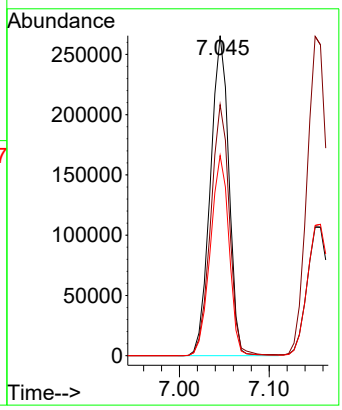


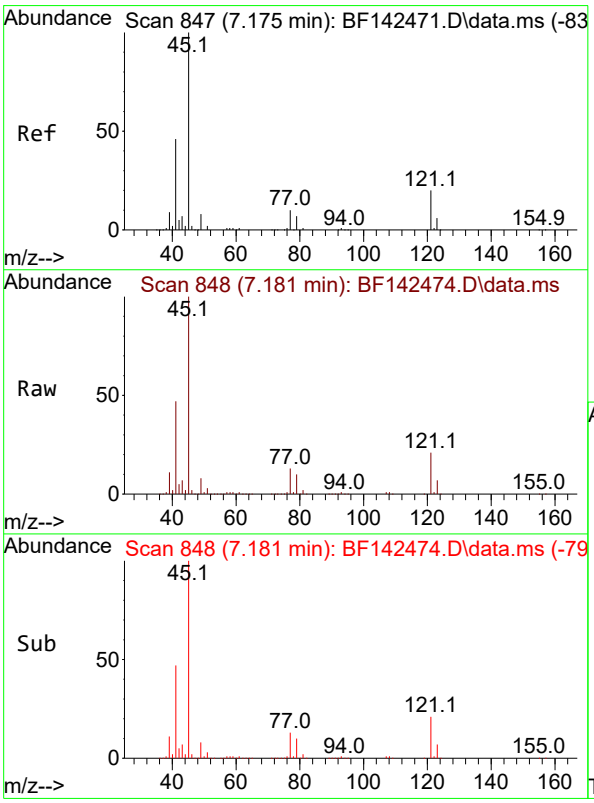
#15
Benzyl Alcohol
Concen: 77.750 ng
RT: 7.045 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 381381

Ion	Ratio	Lower	Upper
79	100		
108	78.5	62.1	93.1
77	62.5	49.5	74.3

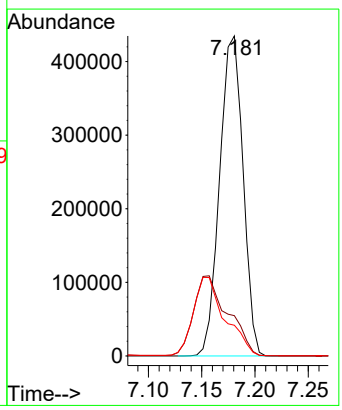


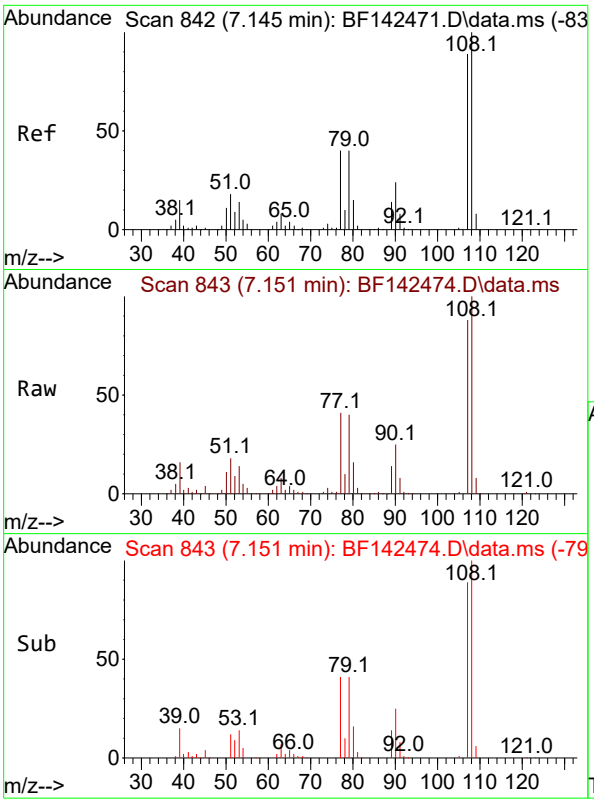


#16
2,2'-oxybis(1-Chloropropane)
Concen: 73.497 ng
RT: 7.181 min Scan# 848
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion: 45 Resp: 663576

Ion	Ratio	Lower	Upper
45	100		
77	12.6	0.0	32.0
79	9.6	0.0	29.2



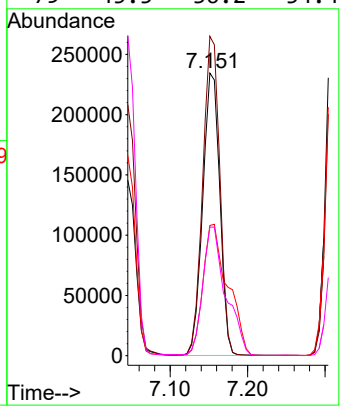


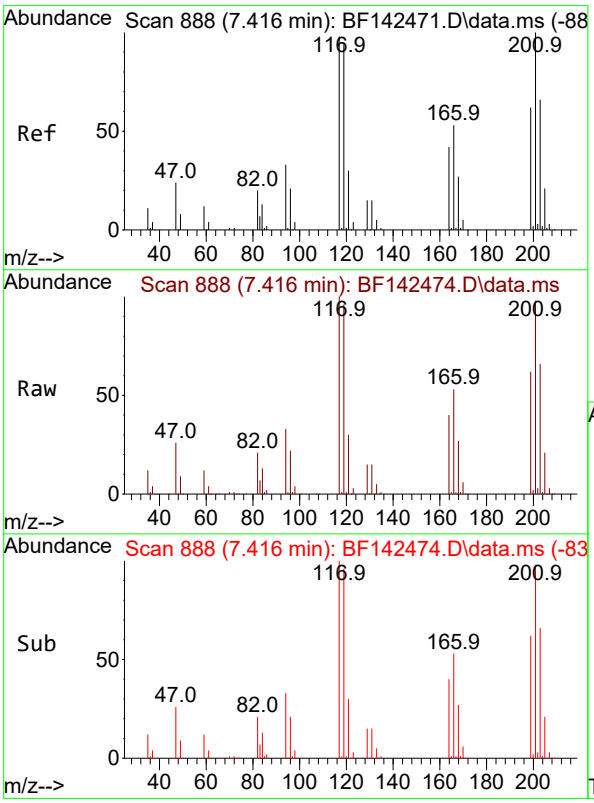
#17
2-Methylphenol
Concen: 76.467 ng
RT: 7.151 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 358569

Ion	Ratio	Lower	Upper
107	100		
108	113.0	90.2	135.2
77	46.1	36.1	54.1
79	45.5	36.2	54.4

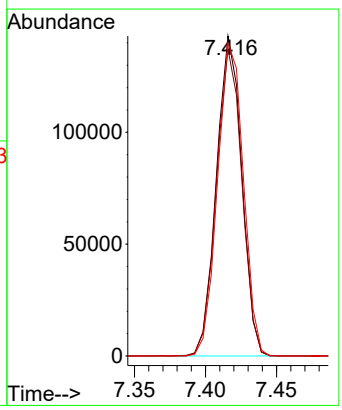


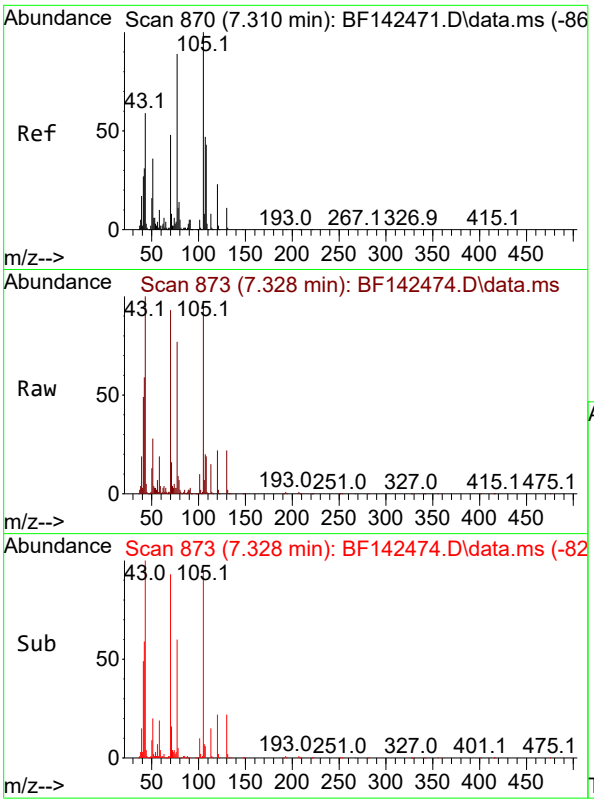


#18
Hexachloroethane
Concen: 75.267 ng
RT: 7.416 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:117 Resp: 177426

Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.6	114.8
201	97.9	81.3	121.9



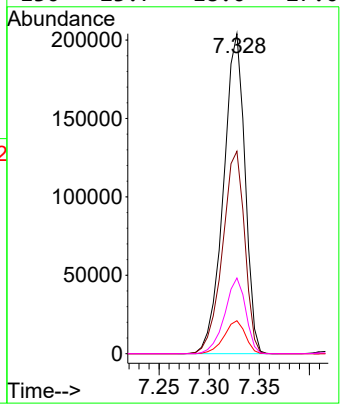


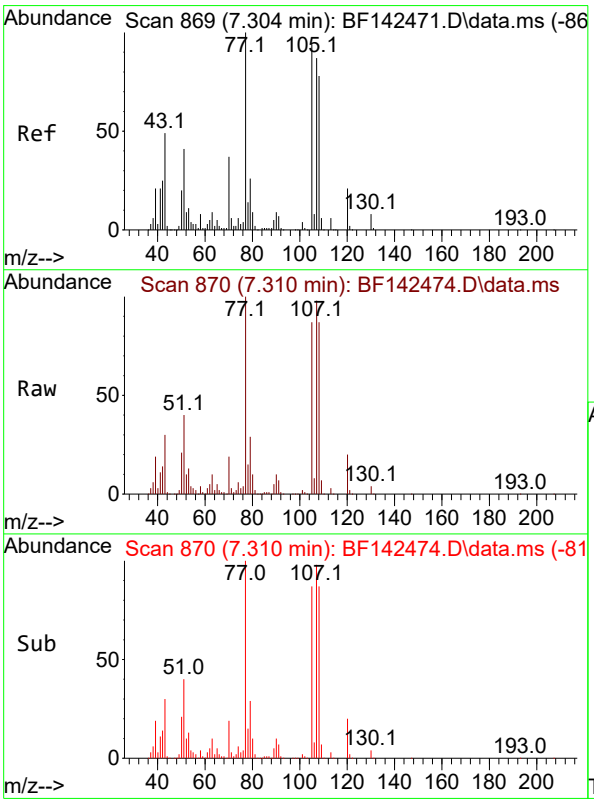
#19
n-Nitroso-di-n-propylamine
Concen: 73.987 ng
RT: 7.328 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 304362

Ion	Ratio	Lower	Upper
70	100		
42	63.3	52.4	78.6
101	10.3	7.8	11.8
130	23.7	18.0	27.0

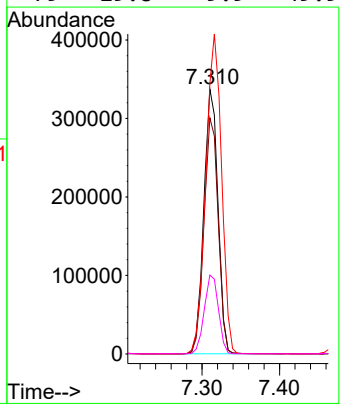


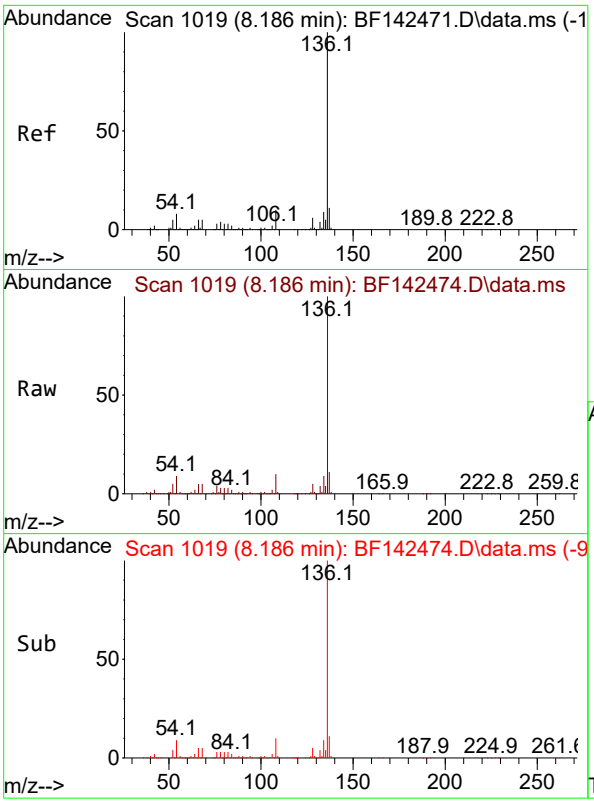


#20
3+4-Methylphenols
Concen: 71.097 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:107 Resp: 426933

Ion	Ratio	Lower	Upper
107	100		
108	89.2	70.4	110.4
77	102.1	95.4	135.4
79	29.8	9.9	49.9



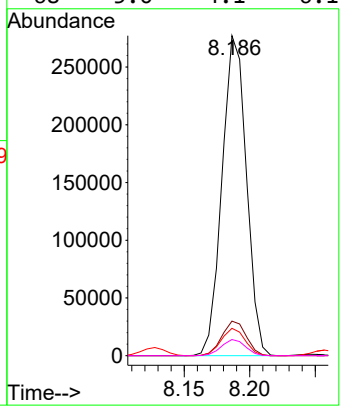


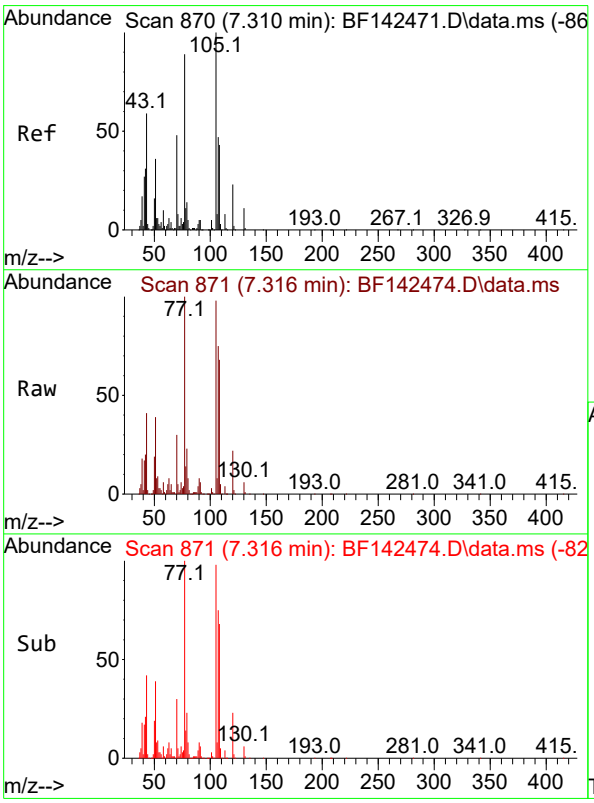
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 358380

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.5	6.6	10.0
68	5.0	4.1	6.1

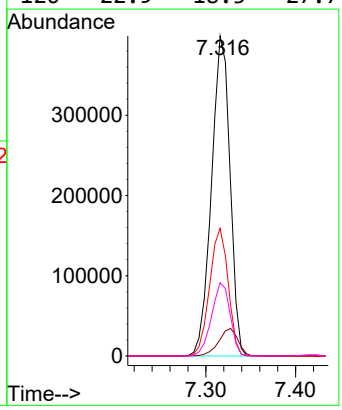


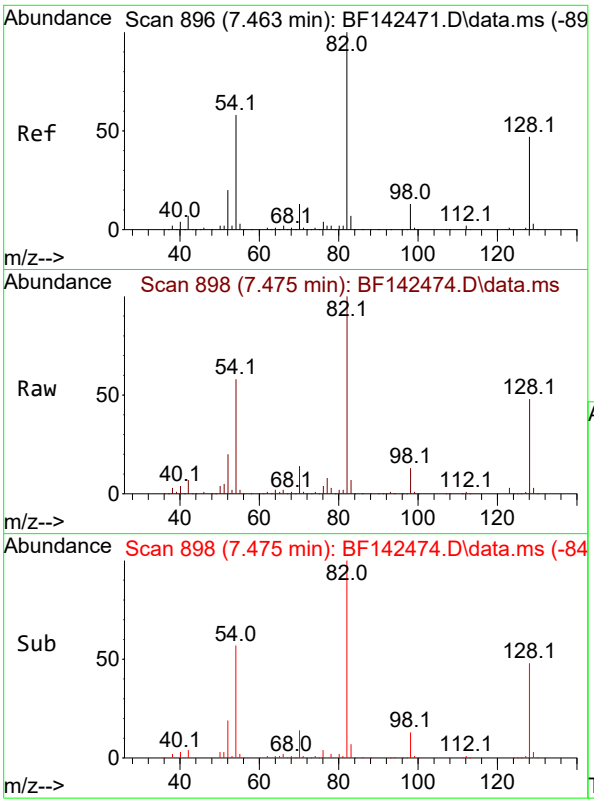


#22
Acetophenone
Concen: 72.072 ng
RT: 7.316 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:105 Resp: 571777

Ion	Ratio	Lower	Upper
105	100		
71	5.2	6.4	9.6#
51	39.9	28.6	42.8
120	22.9	18.5	27.7



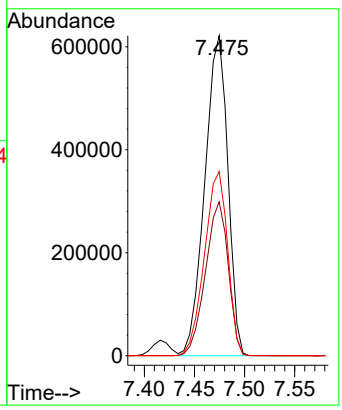


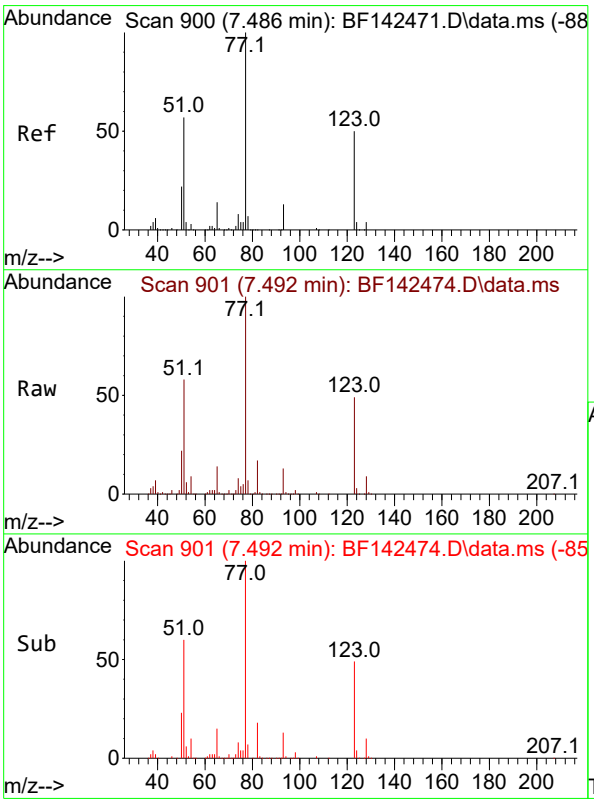
#23
Nitrobenzene-d5
Concen: 151.205 ng
RT: 7.475 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 993768

Ion	Ratio	Lower	Upper
82	100		
128	48.1	37.4	56.2
54	57.5	46.6	70.0

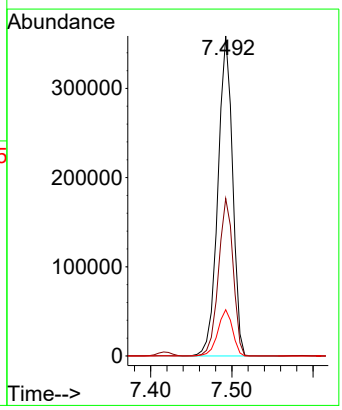


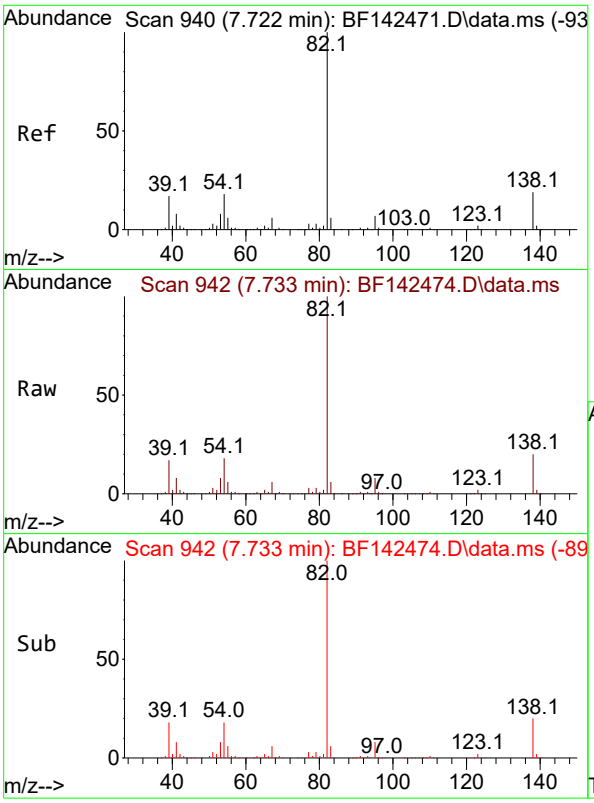


#24
Nitrobenzene
Concen: 76.309 ng
RT: 7.492 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion: 77 Resp: 452330

Ion	Ratio	Lower	Upper
77	100		
123	49.2	40.6	61.0
65	14.5	11.4	17.2



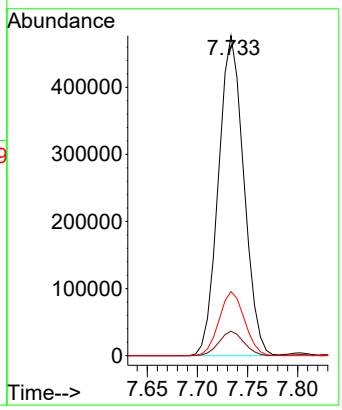


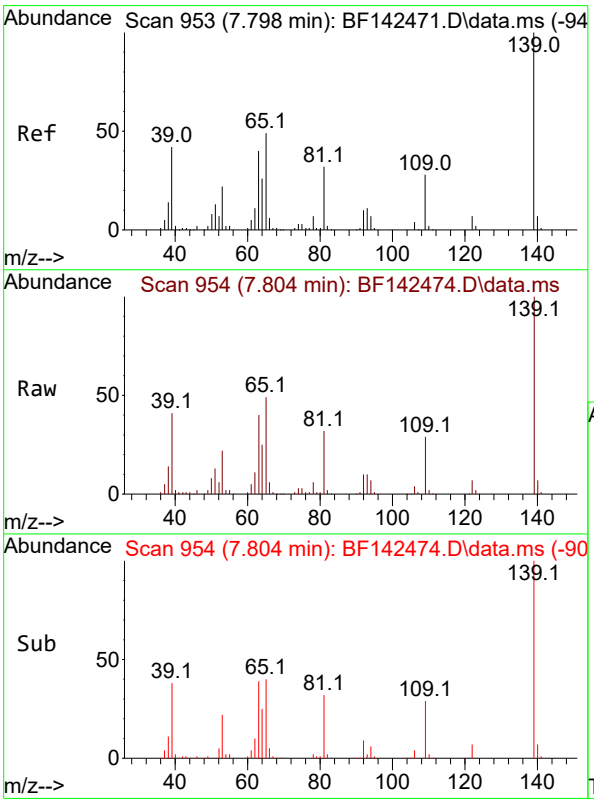
#25
Isophorone
Concen: 76.321 ng
RT: 7.733 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 838652

Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.0	9.0
138	20.0	15.5	23.3

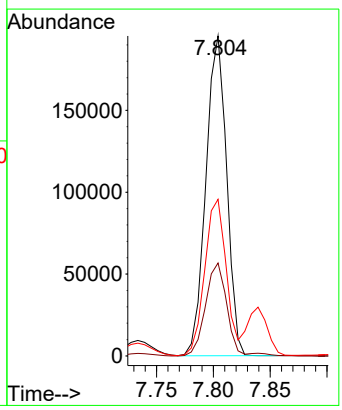


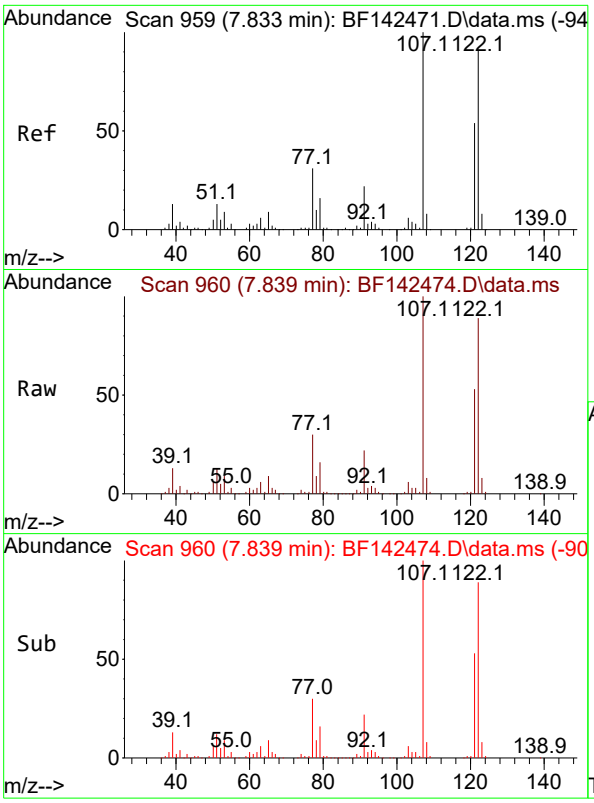


#26
2-Nitrophenol
Concen: 78.434 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:139 Resp: 248427

Ion	Ratio	Lower	Upper
139	100		
109	29.1	22.6	33.8
65	48.9	39.4	59.0



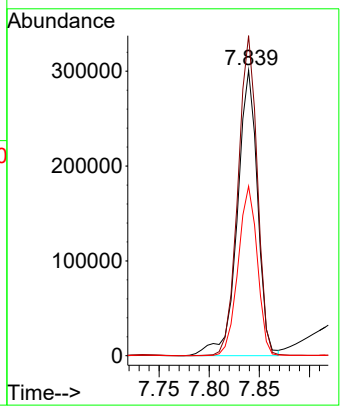


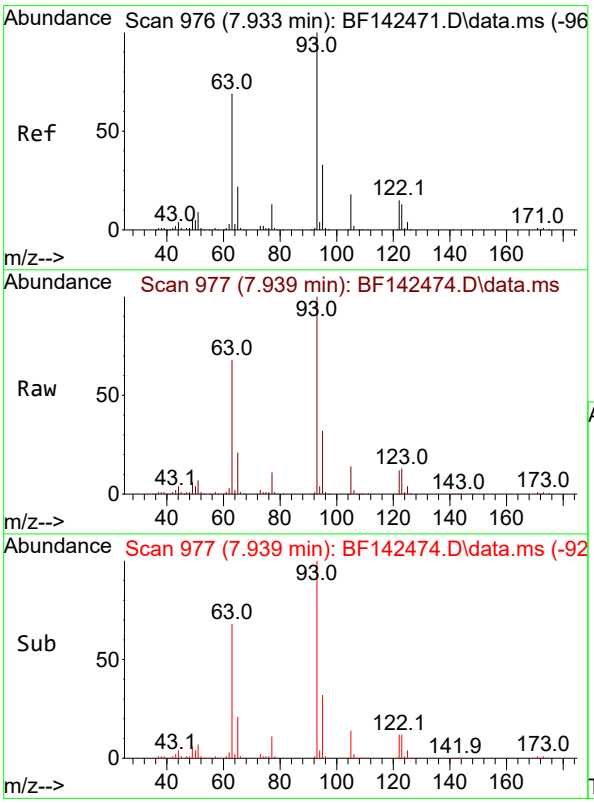
#27
2,4-Dimethylphenol
Concen: 75.623 ng
RT: 7.839 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 422403

Ion	Ratio	Lower	Upper
122	100		
107	112.1	88.1	132.1
121	59.4	47.3	70.9

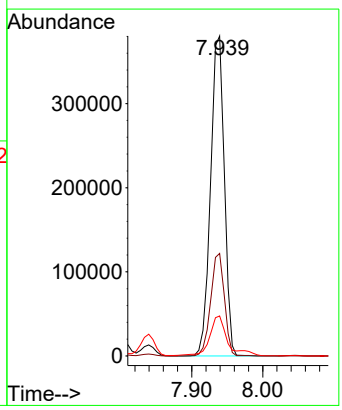


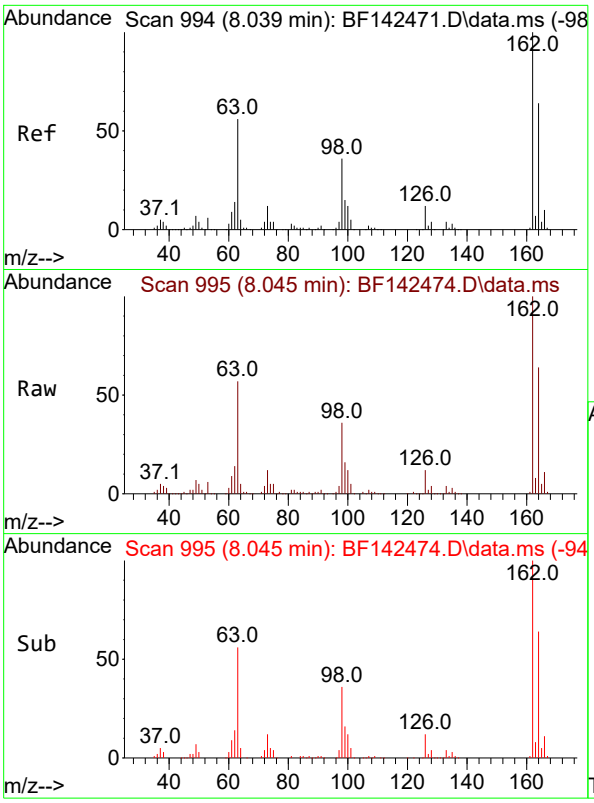


#28
bis(2-Chloroethoxy)methane
Concen: 74.744 ng
RT: 7.939 min Scan# 977
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion: 93 Resp: 513063

Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.4	39.6
123	12.5	10.6	15.8



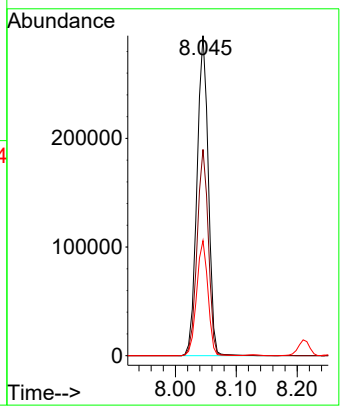


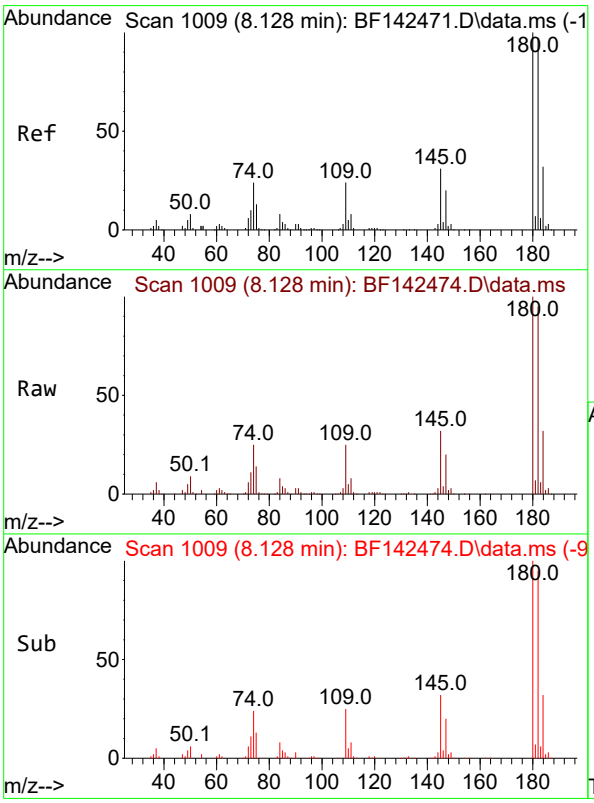
#29
2,4-Dichlorophenol
Concen: 75.121 ng
RT: 8.045 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 381590

Ion	Ratio	Lower	Upper
162	100		
164	64.4	43.7	83.7
98	36.0	15.5	55.5

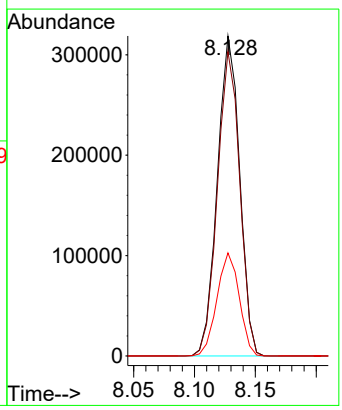


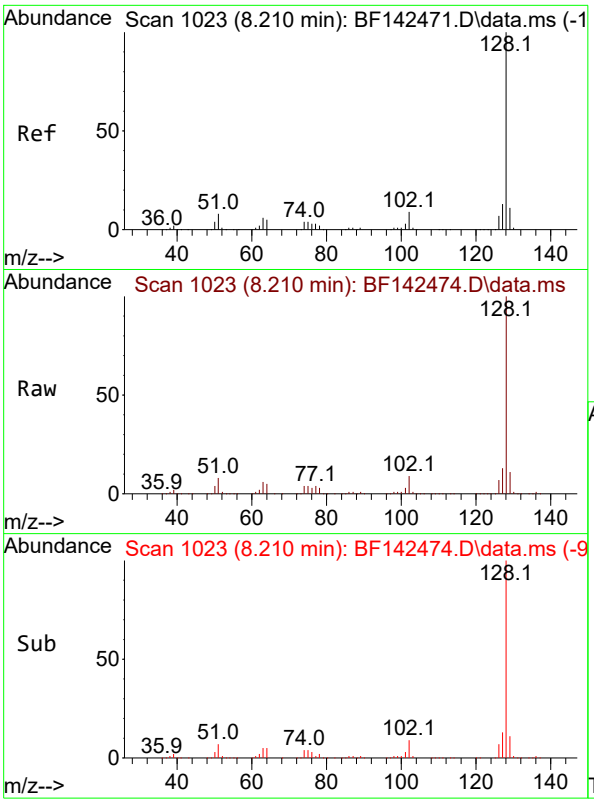


#30
1,2,4-Trichlorobenzene
Concen: 73.801 ng
RT: 8.128 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:180 Resp: 406857

Ion	Ratio	Lower	Upper
180	100		
182	95.1	78.0	117.0
145	32.2	25.0	37.6



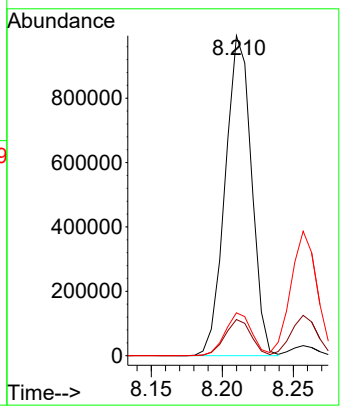


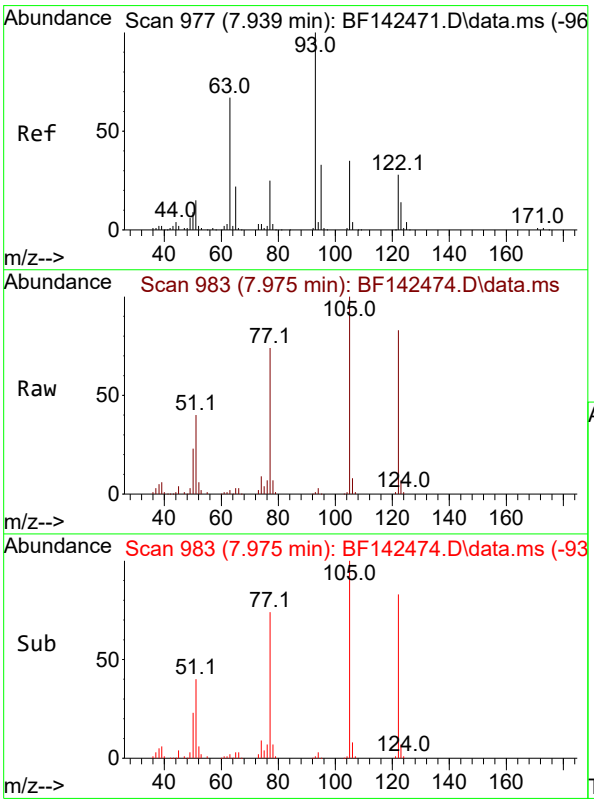
#31
Naphthalene
Concen: 72.369 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 1277048

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.4	10.5	15.7

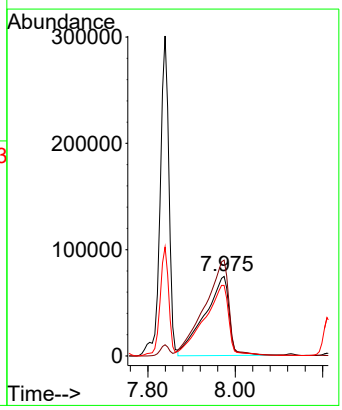


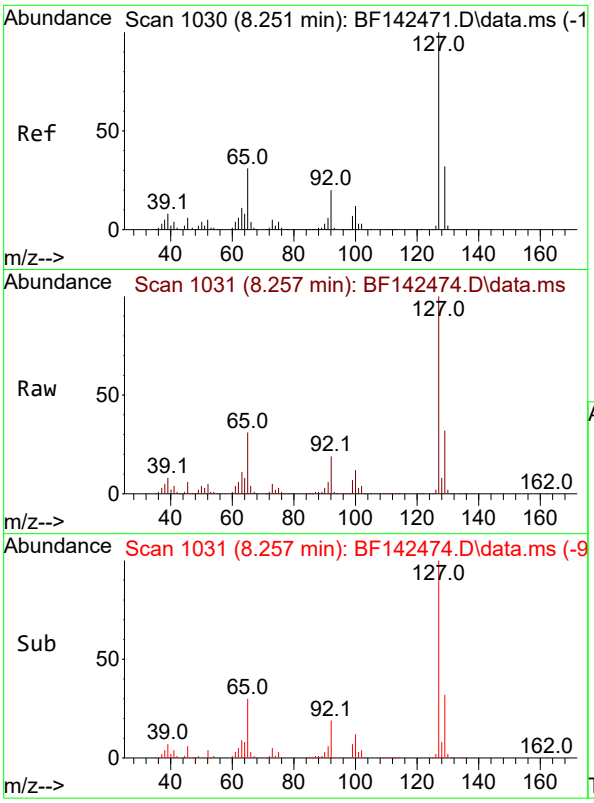


#32
Benzoic acid
Concen: 84.918 ng
RT: 7.975 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:122 Resp: 288731

Ion	Ratio	Lower	Upper
122	100		
105	120.5	101.7	141.7
77	88.6	69.5	109.5



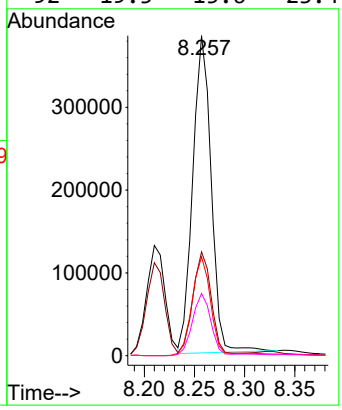


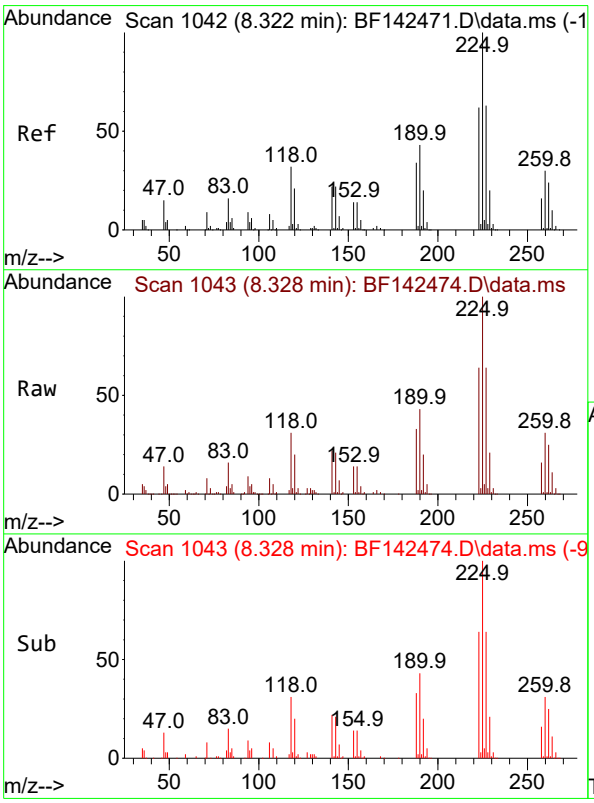
#33
4-Chloroaniline
Concen: 68.830 ng
RT: 8.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 492168

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.1	39.1
65	30.9	24.9	37.3
92	19.5	15.6	23.4

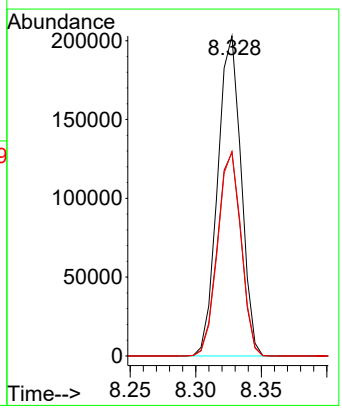


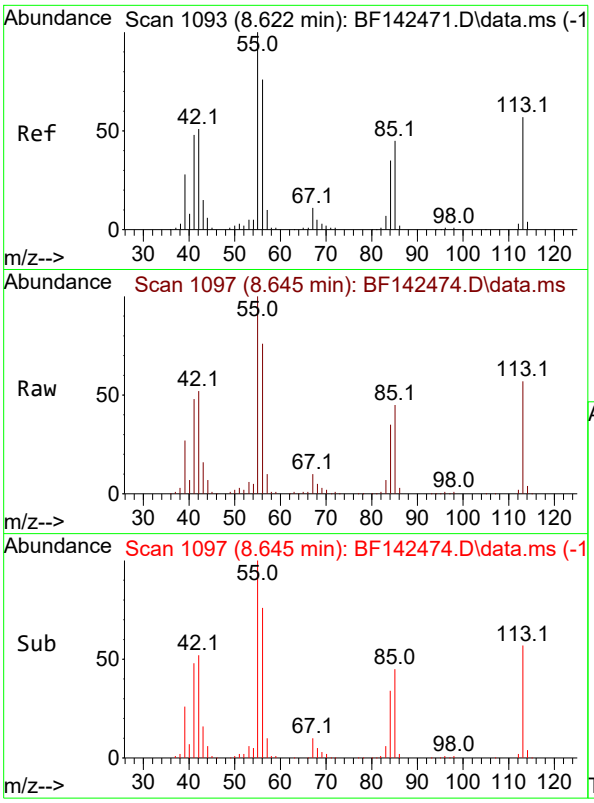


#34
Hexachlorobutadiene
Concen: 73.338 ng
RT: 8.328 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:225 Resp: 252445

Ion	Ratio	Lower	Upper
225	100		
223	63.6	49.7	74.5
227	63.9	50.3	75.5



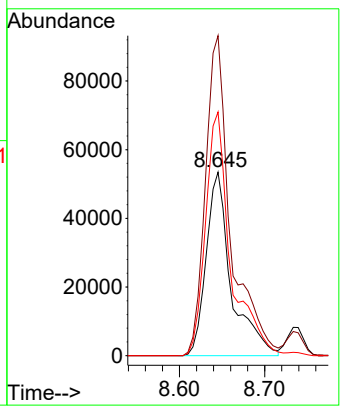


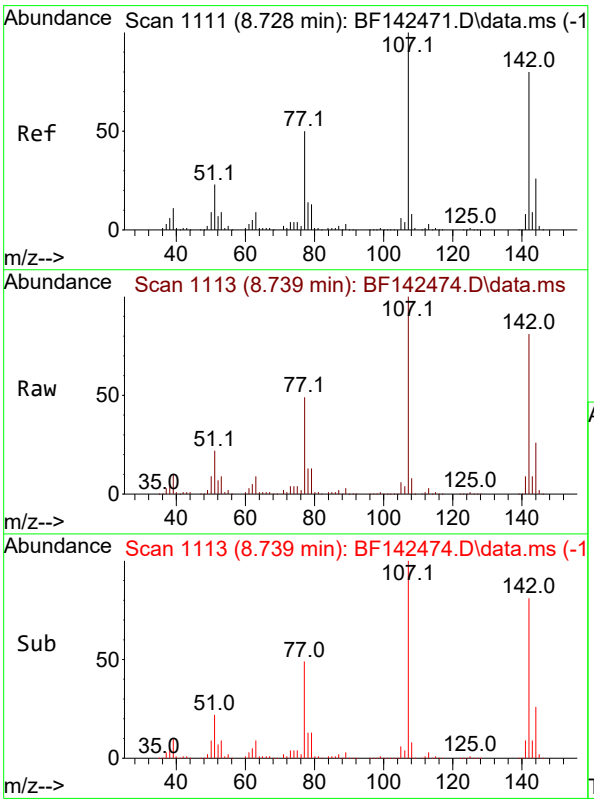
#35
Caprolactam
Concen: 76.565 ng
RT: 8.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:113 Resp: 109232

Ion	Ratio	Lower	Upper
113	100		
55	174.4	154.7	194.7
56	132.8	113.2	153.2

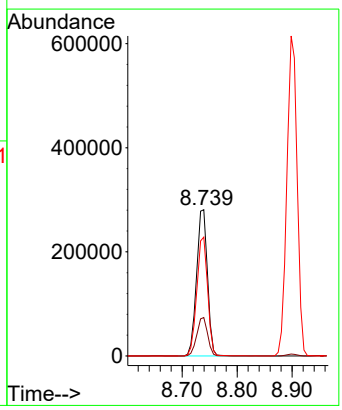


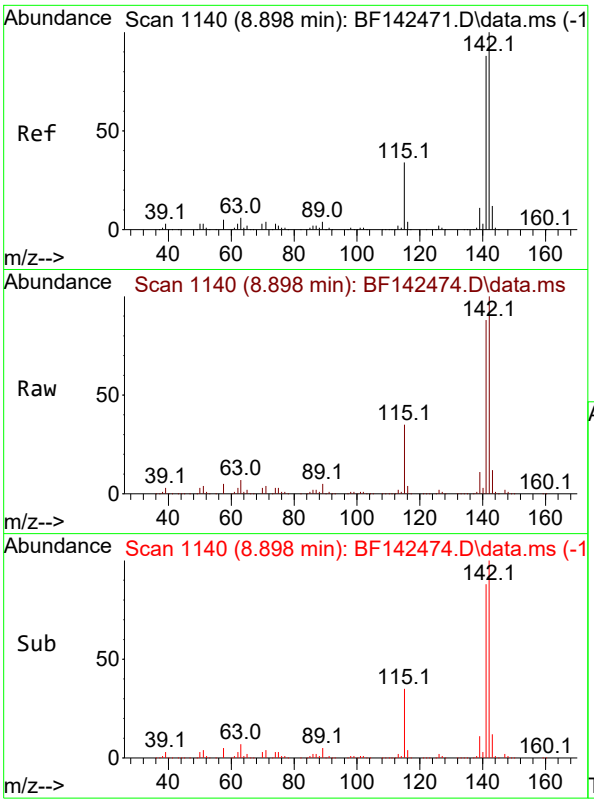


#36
4-Chloro-3-methylphenol
Concen: 74.674 ng
RT: 8.739 min Scan# 1113
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:107 Resp: 388740

Ion	Ratio	Lower	Upper
107	100		
144	26.3	20.9	31.3
142	81.3	64.2	96.2



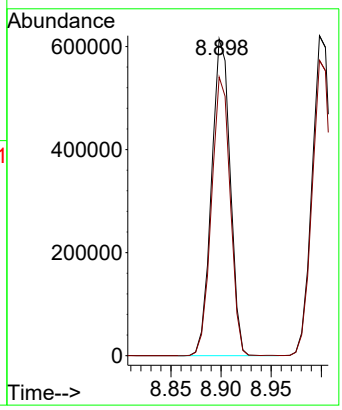


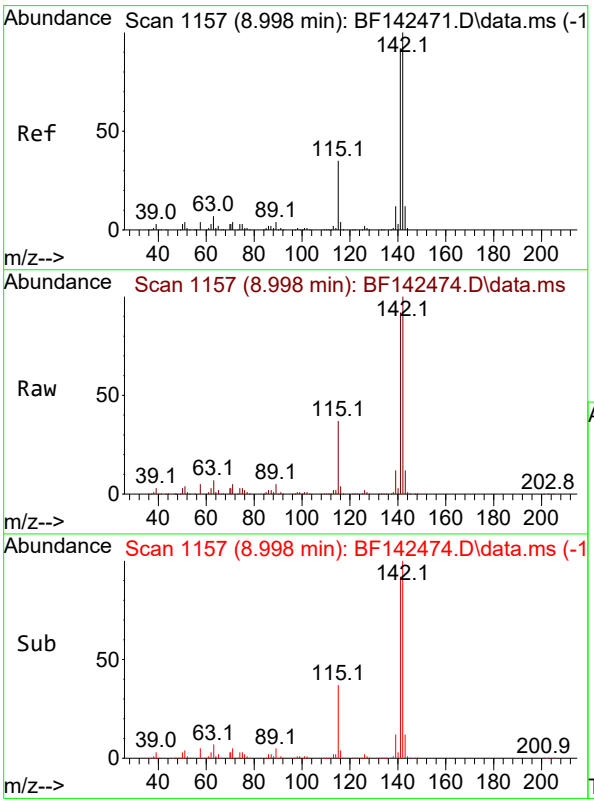
#37
2-Methylnaphthalene
Concen: 71.742 ng
RT: 8.898 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 796463

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.7	106.1

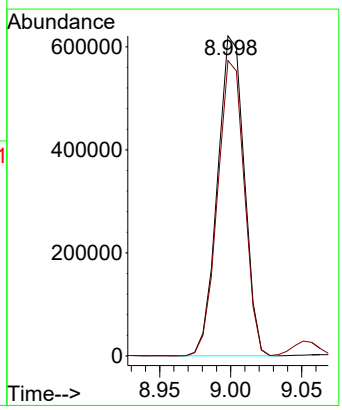


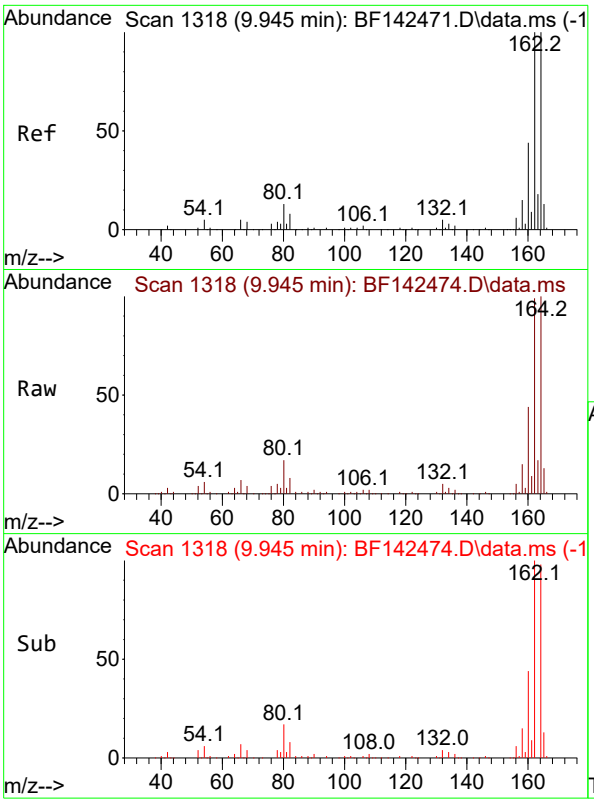


#38
1-Methylnaphthalene
Concen: 70.689 ng
RT: 8.998 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:142 Resp: 811747

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.4	110.2



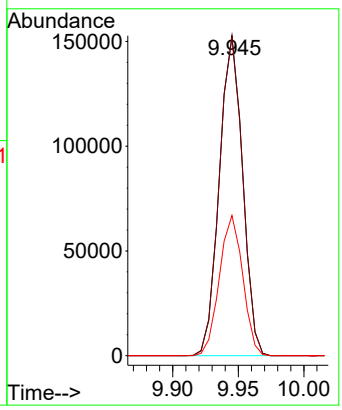


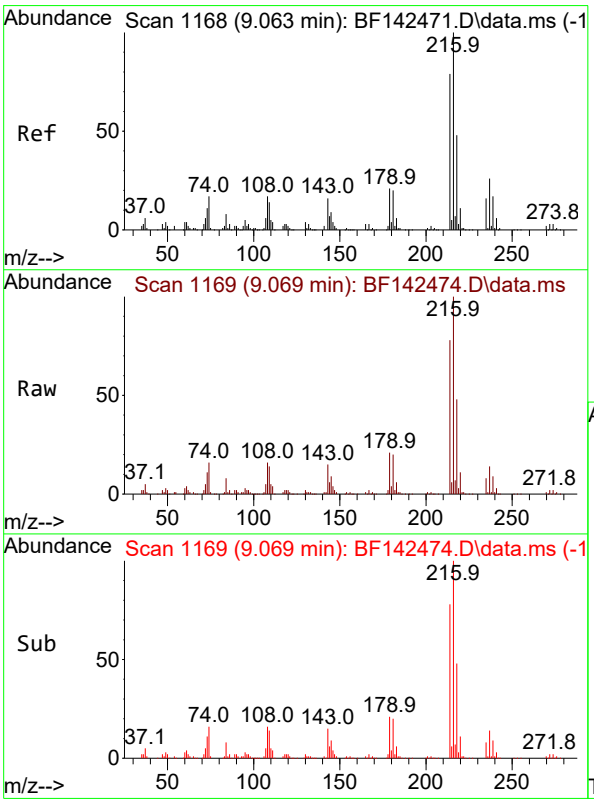
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:164 Resp: 188198

Ion	Ratio	Lower	Upper
164	100		
162	99.4	80.2	120.4
160	43.8	35.6	53.4

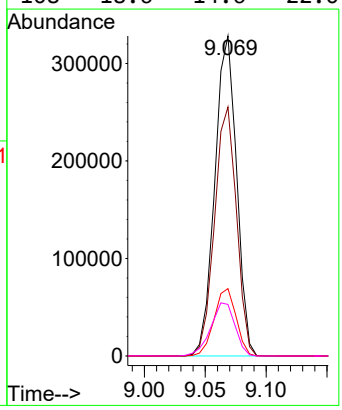


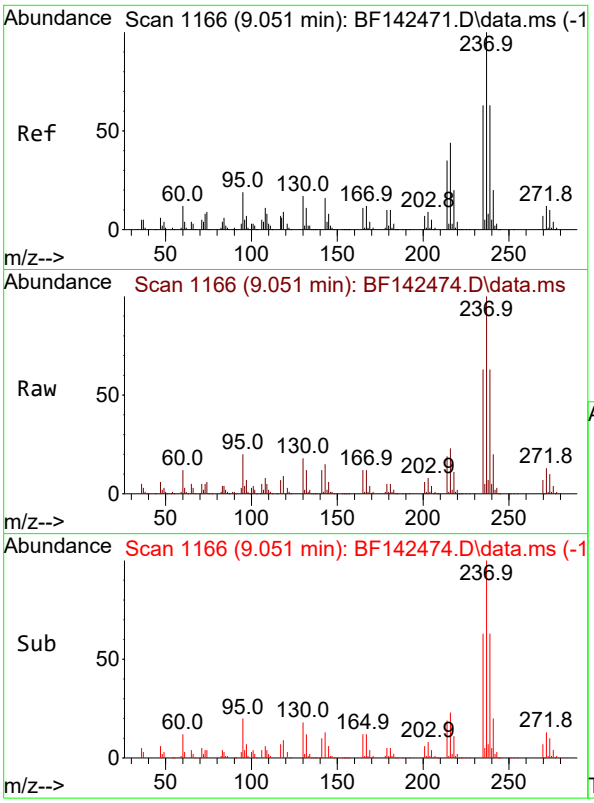


#40
1,2,4,5-Tetrachlorobenzene
Concen: 75.740 ng
RT: 9.069 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:216 Resp: 409177

Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.9	94.3
179	21.3	16.9	25.3
108	18.6	14.6	22.0



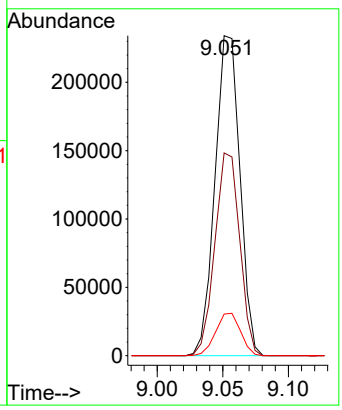


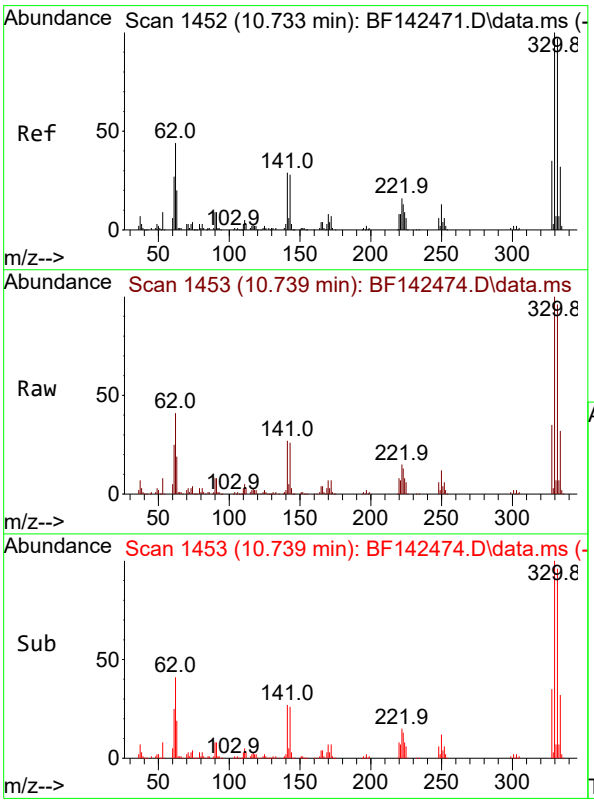
#41
Hexachlorocyclopentadiene
Concen: 84.936 ng
RT: 9.051 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:237 Resp: 309537

Ion	Ratio	Lower	Upper
237	100		
235	63.4	43.3	83.3
272	13.0	0.0	32.4

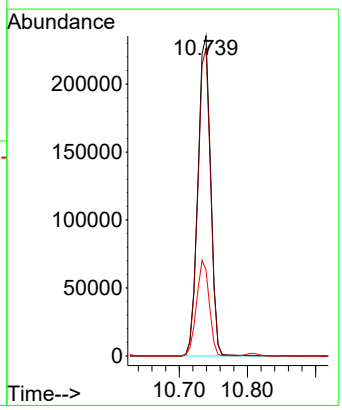


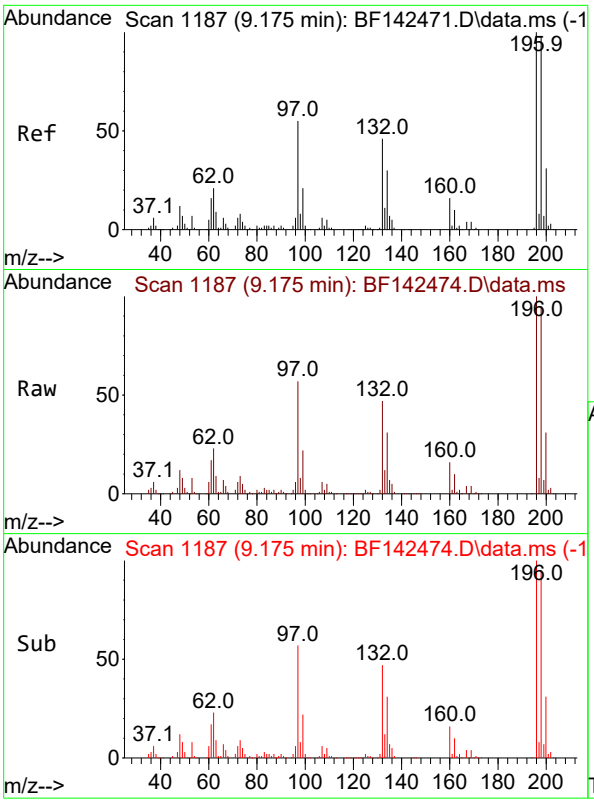


#42
2,4,6-Tribromophenol
Concen: 145.927 ng
RT: 10.739 min Scan# 1453
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:330 Resp: 304807

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.6	116.4
141	29.7	24.6	36.8



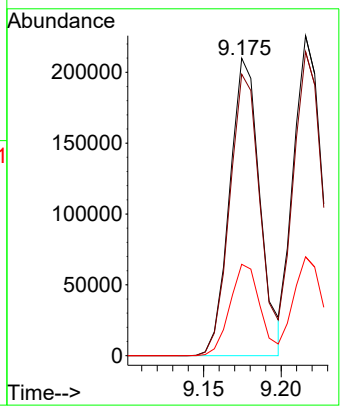


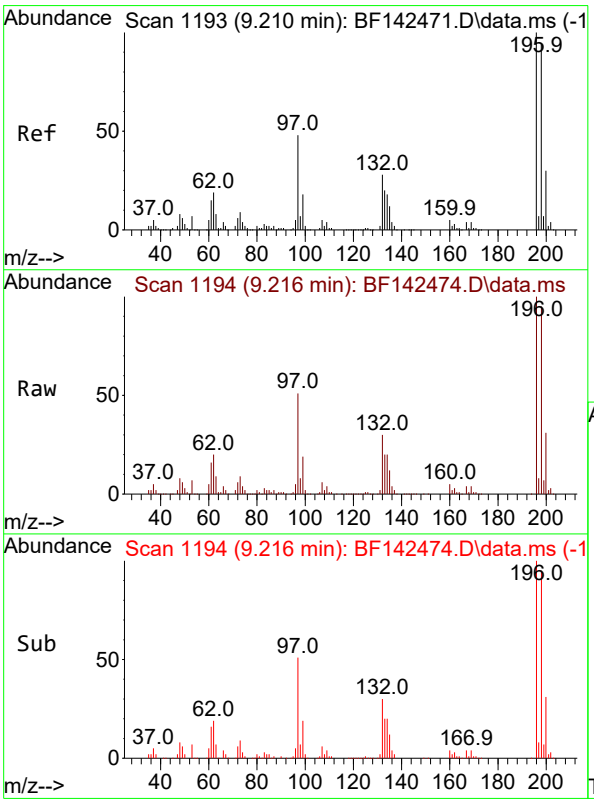
#43
2,4,6-Trichlorophenol
Concen: 78.254 ng
RT: 9.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 285072

Ion	Ratio	Lower	Upper
196	100		
198	94.6	78.8	118.2
200	30.7	24.9	37.3

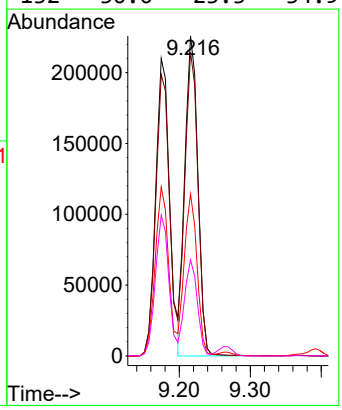


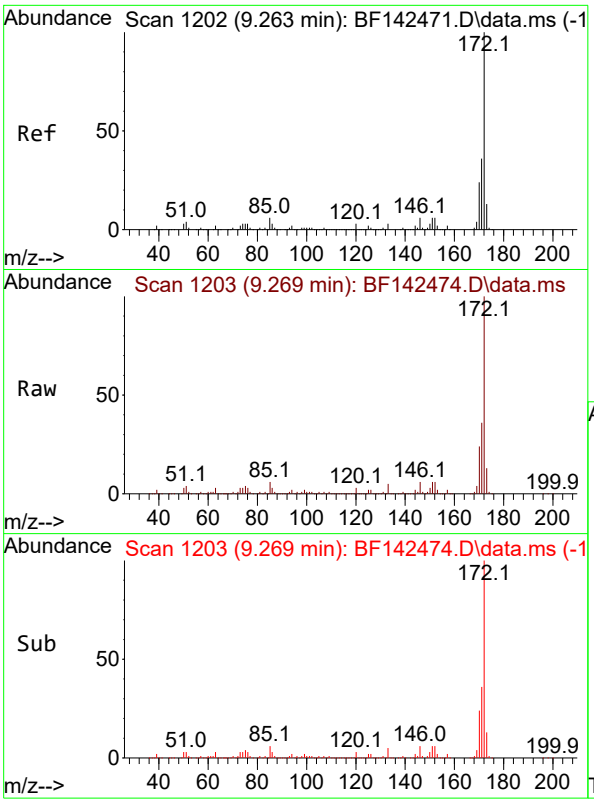


#44
2,4,5-Trichlorophenol
Concen: 74.712 ng
RT: 9.216 min Scan# 1194
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:196 Resp: 287041

Ion	Ratio	Lower	Upper
196	100		
198	95.0	75.5	113.3
97	50.6	39.3	58.9
132	30.0	23.3	34.9



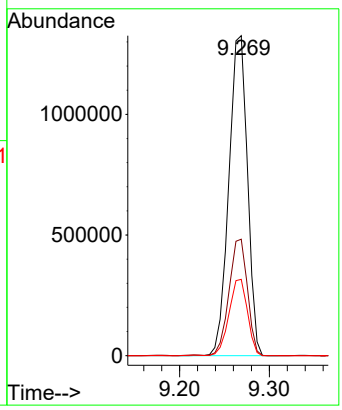


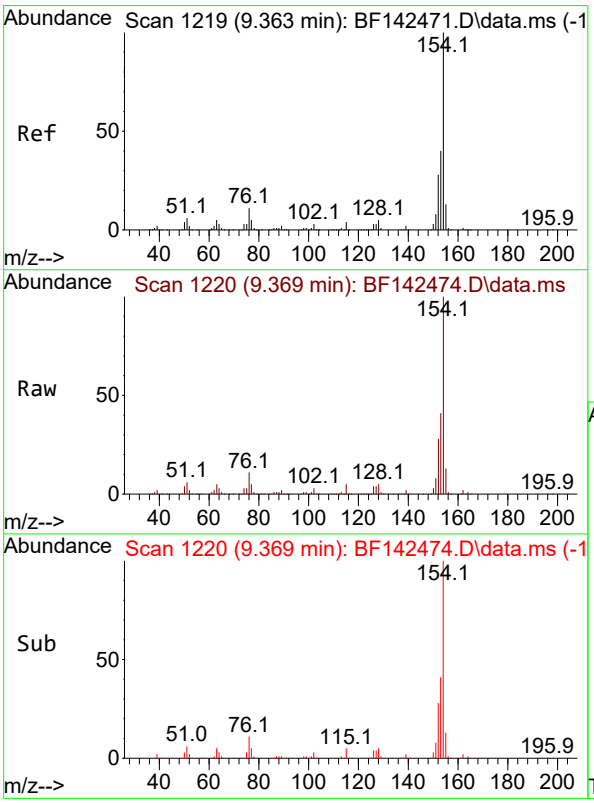
#45
2-Fluorobiphenyl
Concen: 136.080 ng
RT: 9.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:172 Resp: 1908541

Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.6	42.8
170	23.9	18.9	28.3

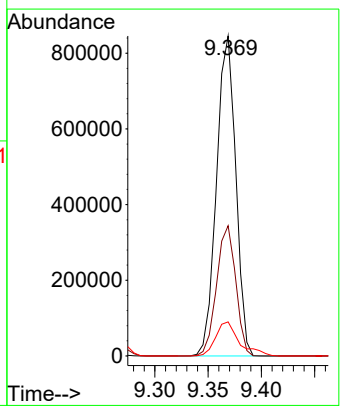


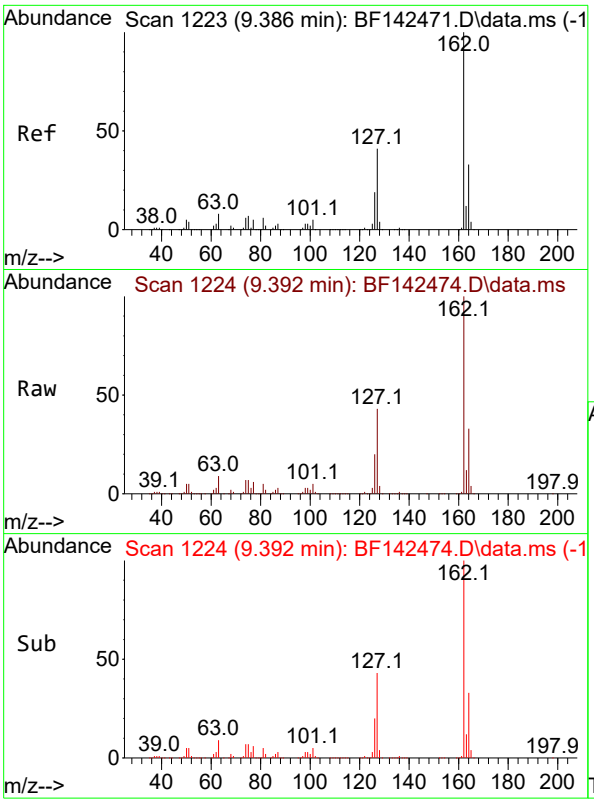


#46
1,1'-Biphenyl
Concen: 72.584 ng
RT: 9.369 min Scan# 1220
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:154 Resp: 1059787

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.4	60.4
76	10.7	0.0	30.8



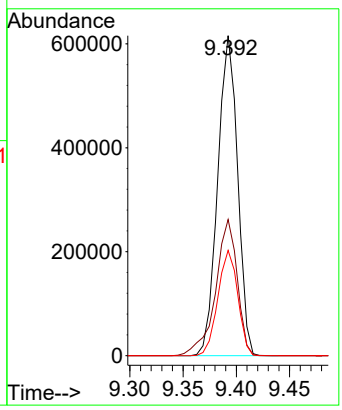


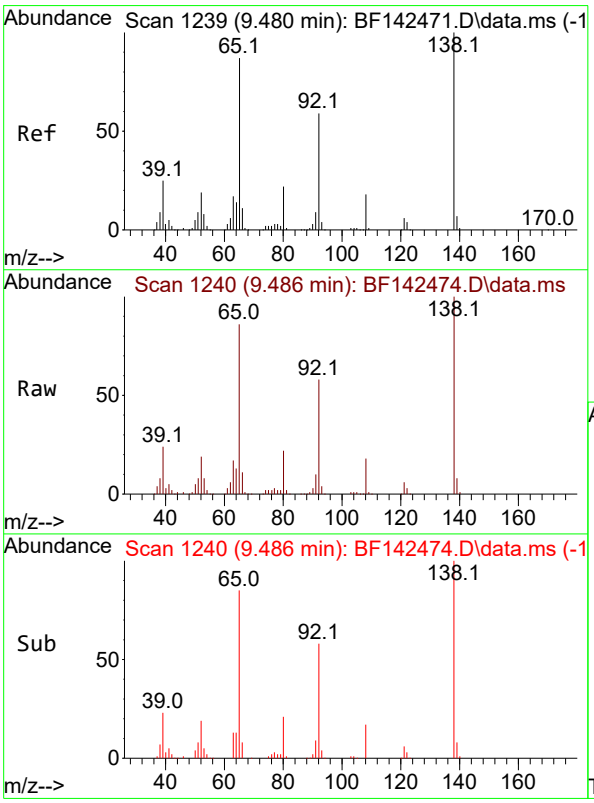
#47
2-Chloronaphthalene
Concen: 74.024 ng
RT: 9.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 798539

Ion	Ratio	Lower	Upper
162	100		
127	42.6	33.5	50.3
164	32.9	26.1	39.1

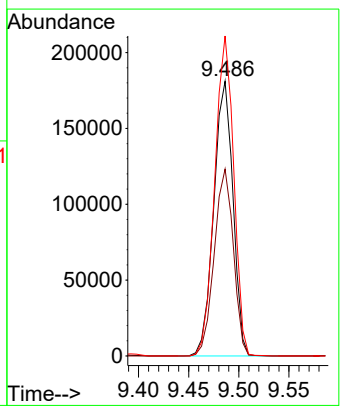


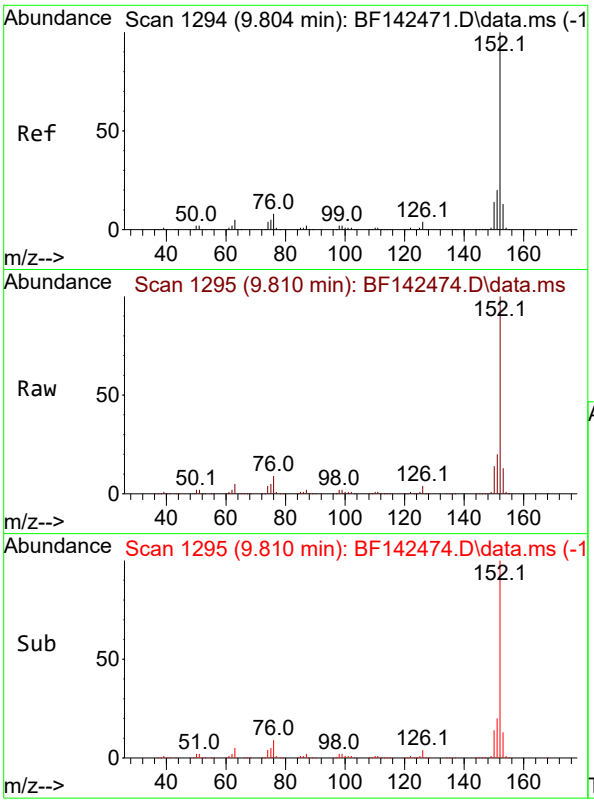


#48
2-Nitroaniline
Concen: 77.343 ng
RT: 9.486 min Scan# 1240
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion: 65 Resp: 241162

Ion	Ratio	Lower	Upper
65	100		
92	68.1	54.4	81.6
138	116.5	91.4	137.2



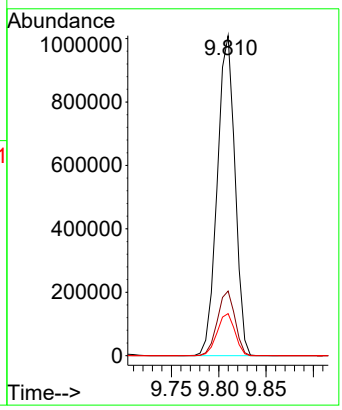


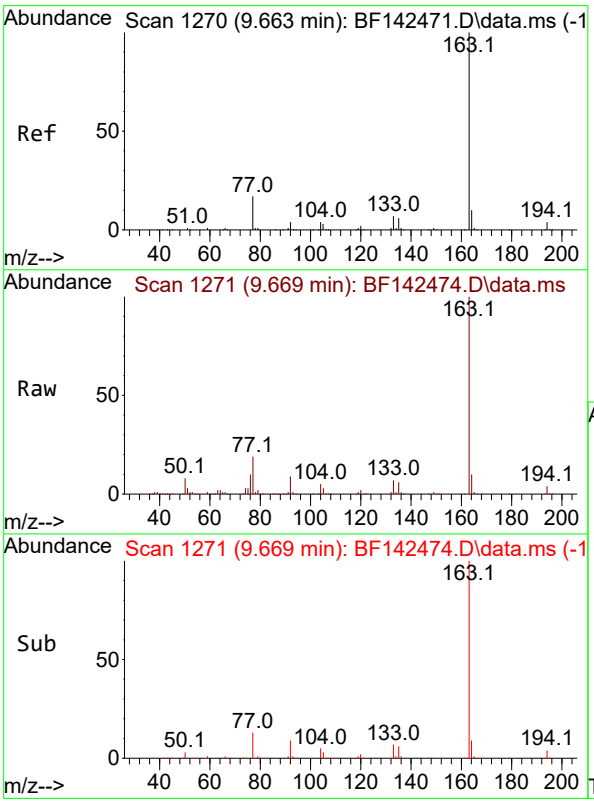
#49
Acenaphthylene
Concen: 72.118 ng
RT: 9.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 1313668

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.8
153	13.1	10.6	15.8

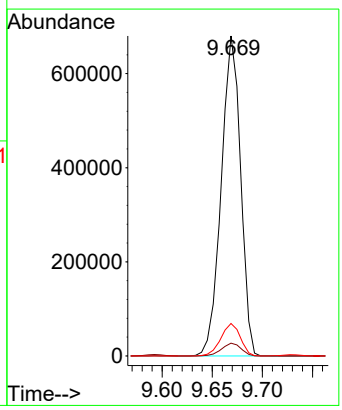


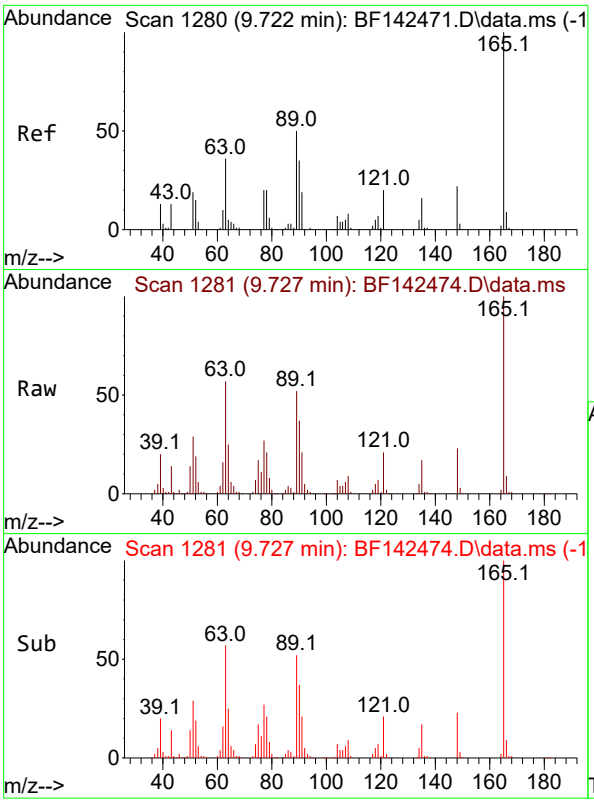


#50
Dimethylphthalate
Concen: 73.405 ng
RT: 9.669 min Scan# 1271
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:163 Resp: 911534

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.1	8.2	12.4



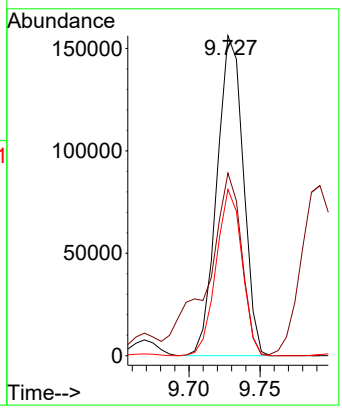


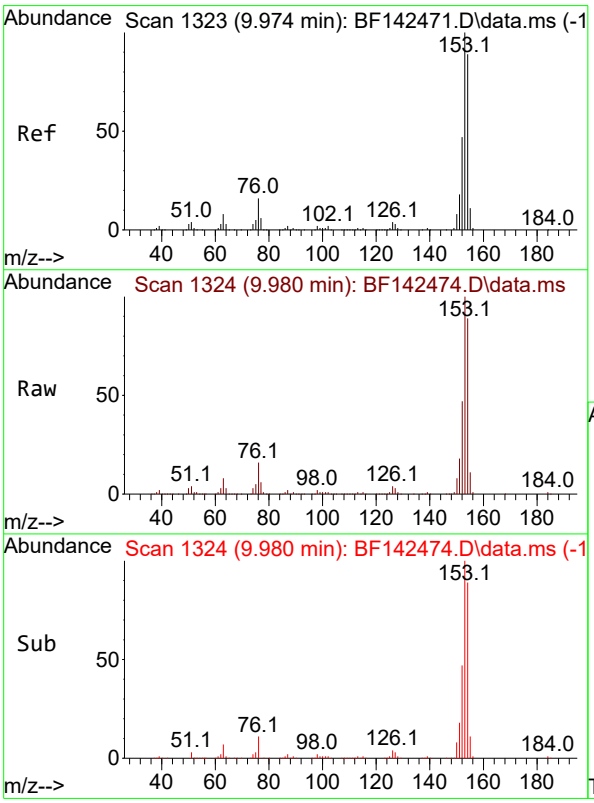
#51
2,6-Dinitrotoluene
Concen: 75.198 ng
RT: 9.727 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 201545

Ion	Ratio	Lower	Upper
165	100		
63	57.0	42.9	64.3
89	51.9	40.2	60.4

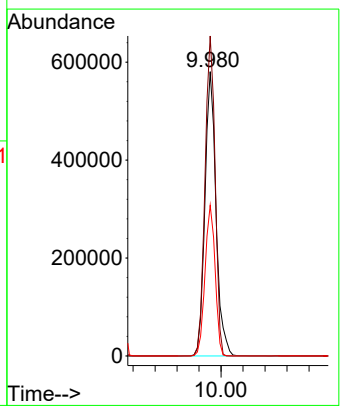


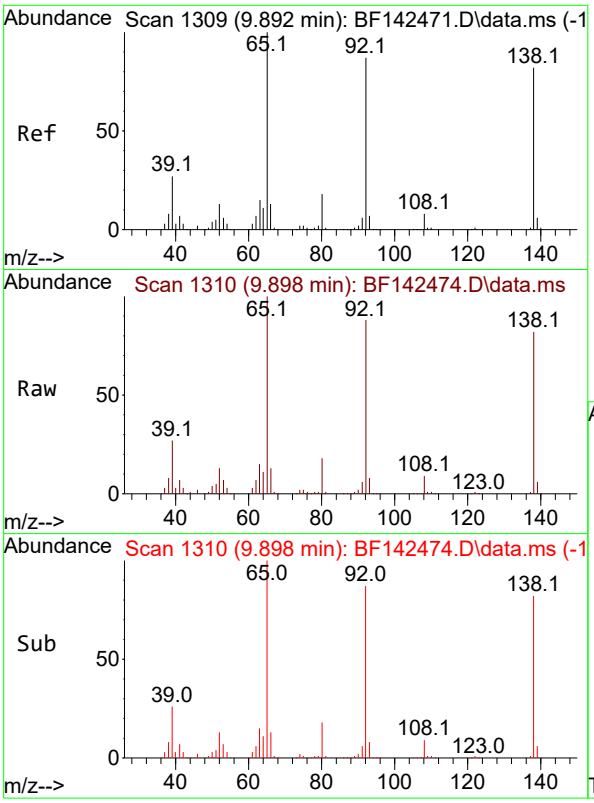


#52
Acenaphthene
Concen: 72.896 ng
RT: 9.980 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:154 Resp: 810811

Ion	Ratio	Lower	Upper
154	100		
153	112.5	90.0	135.0
152	53.0	42.6	64.0



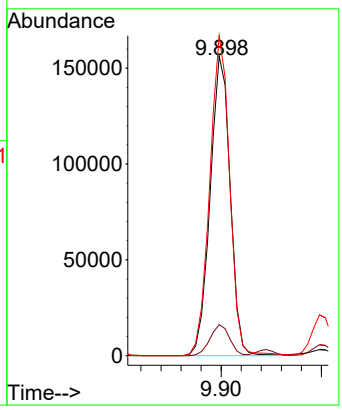


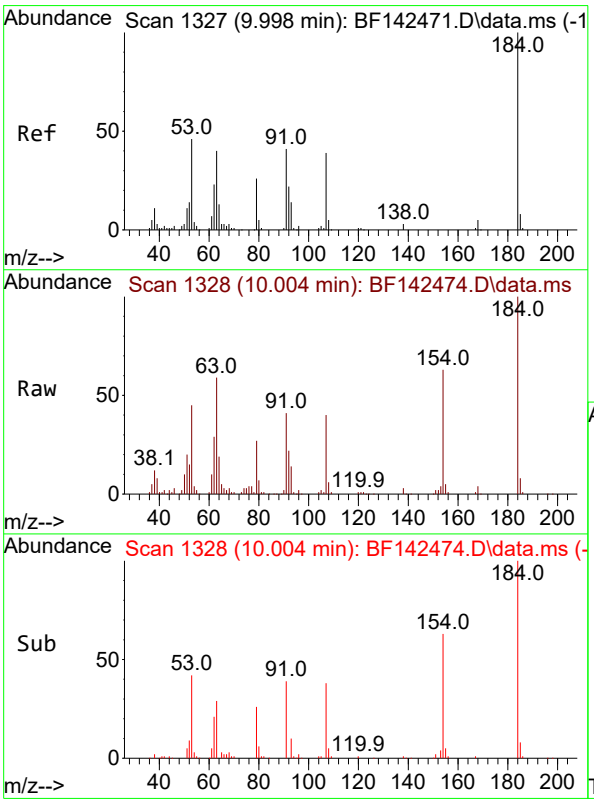
#53
3-Nitroaniline
Concen: 73.930 ng
RT: 9.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 216422

Ion	Ratio	Lower	Upper
138	100		
108	10.4	8.1	12.1
92	106.8	85.2	127.8

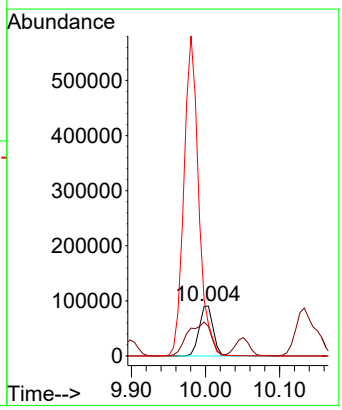


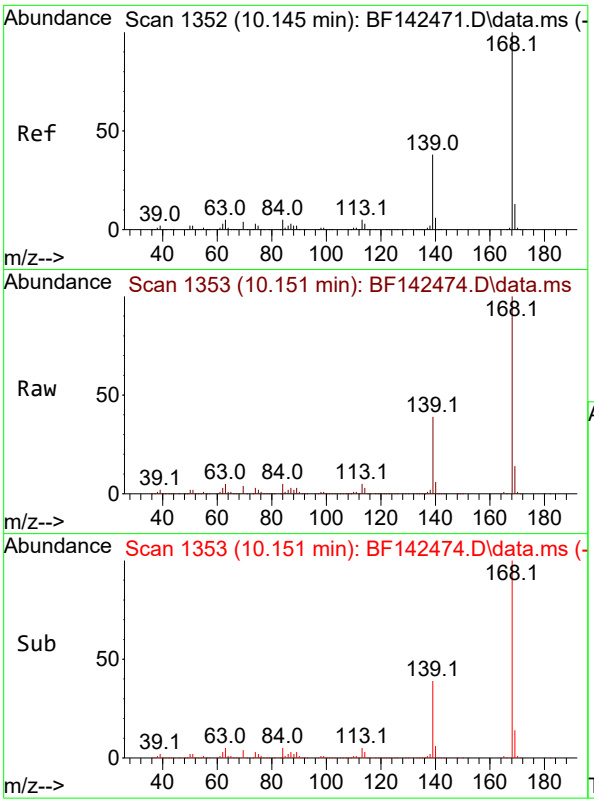


#54
2,4-Dinitrophenol
Concen: 85.999 ng
RT: 10.004 min Scan# 1328
Delta R.T. -0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:184 Resp: 119082

Ion	Ratio	Lower	Upper
184	100		
63	59.2	46.3	69.5
154	63.4	56.8	85.2



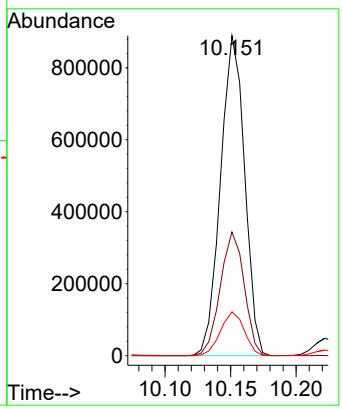


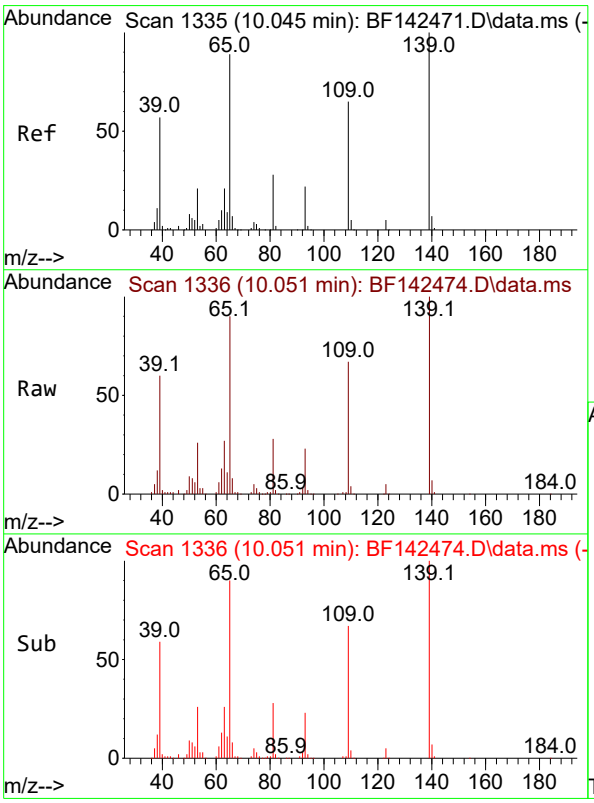
#55
Dibenzofuran
Concen: 70.990 ng
RT: 10.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:168 Resp: 1136276

Ion	Ratio	Lower	Upper
168	100		
139	38.6	30.2	45.2
169	13.7	10.7	16.1

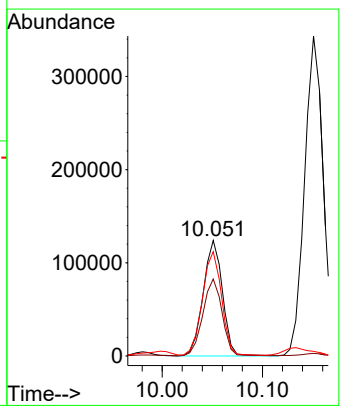


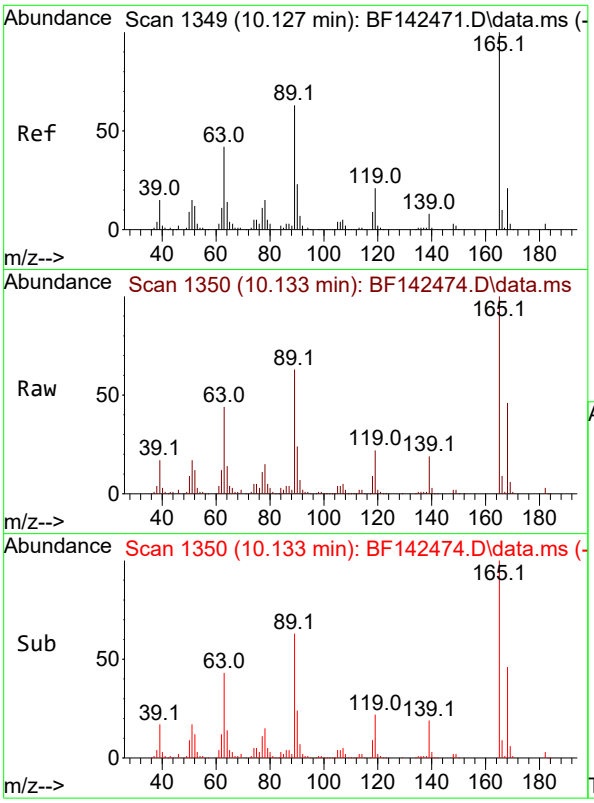


#56
4-Nitrophenol
Concen: 76.638 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:139 Resp: 165537

Ion	Ratio	Lower	Upper
139	100		
109	66.7	45.1	85.1
65	90.4	69.7	109.7



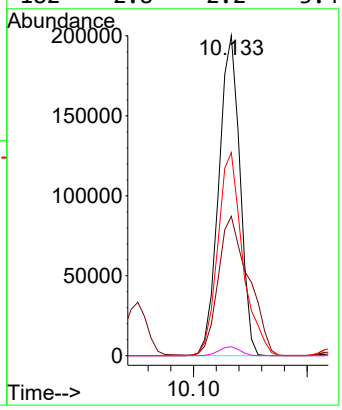


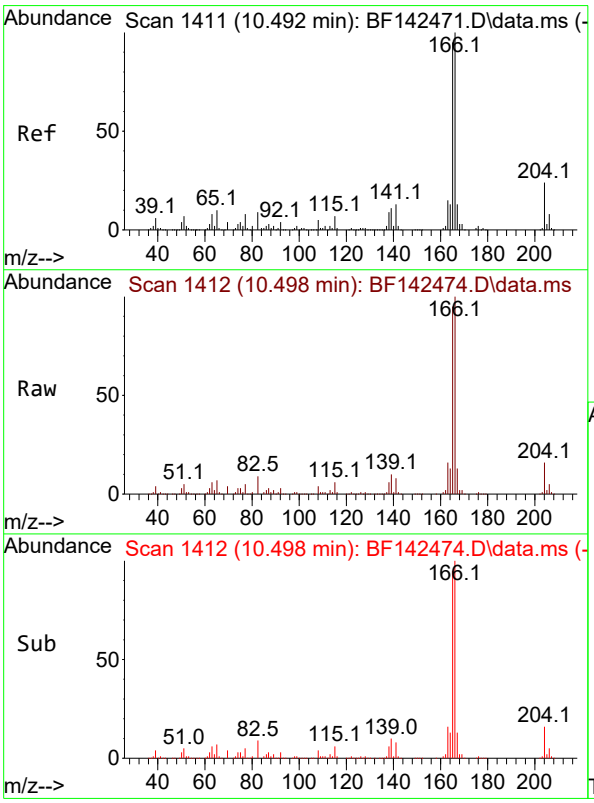
#57
2,4-Dinitrotoluene
Concen: 74.005 ng
RT: 10.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 259035

Ion	Ratio	Lower	Upper
165	100		
63	43.5	33.6	50.4
89	63.5	50.2	75.4
182	2.8	2.2	3.4

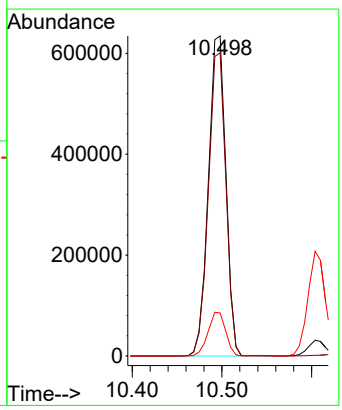


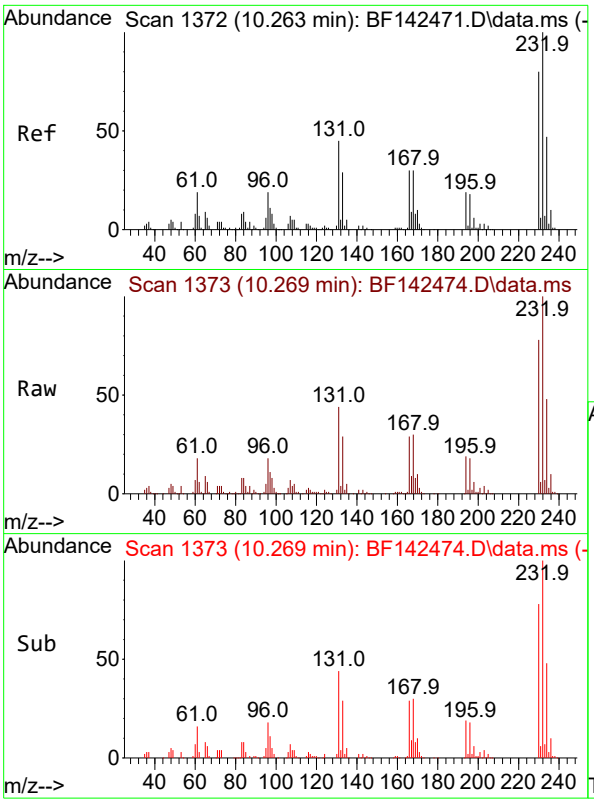


#58
Fluorene
Concen: 69.377 ng
RT: 10.498 min Scan# 1412
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:166 Resp: 857882

Ion	Ratio	Lower	Upper
166	100		
165	94.7	75.8	113.8
167	13.5	10.6	16.0



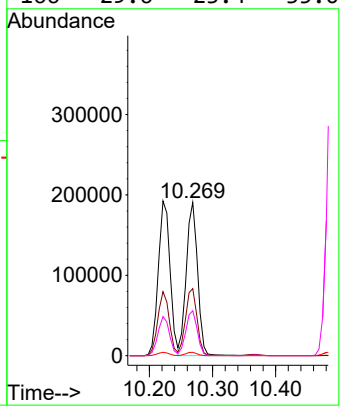


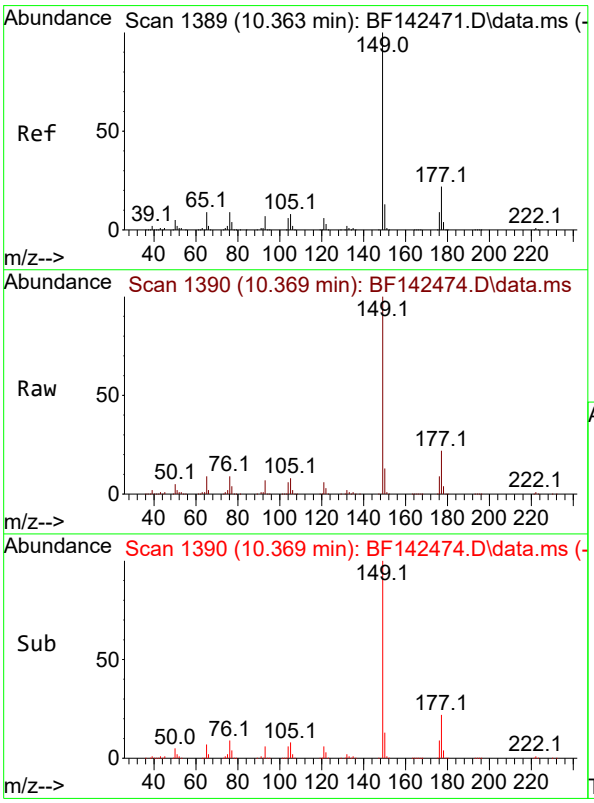
#59
2,3,4,6-Tetrachlorophenol
Concen: 74.324 ng
RT: 10.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 238382

Ion	Ratio	Lower	Upper
232	100		
131	44.6	35.2	52.8
130	2.2	1.7	2.5
166	29.6	23.4	35.0

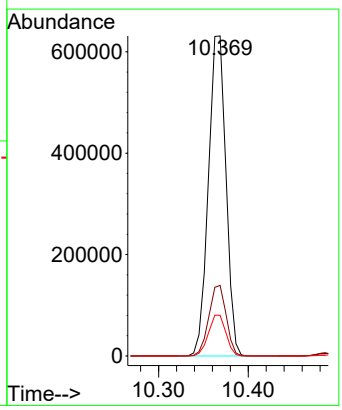


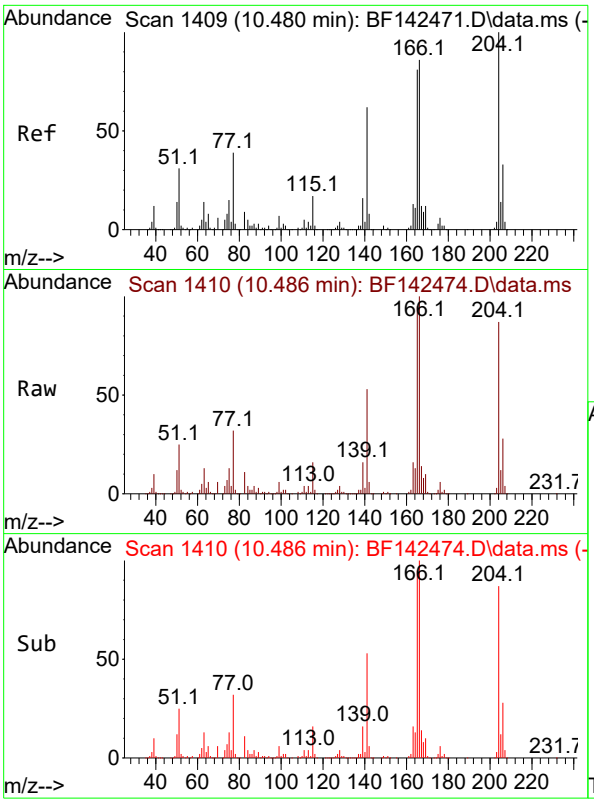


#60
Diethylphthalate
Concen: 70.773 ng
RT: 10.369 min Scan# 1390
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:149 Resp: 858326

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.6	26.4
150	12.7	10.1	15.1



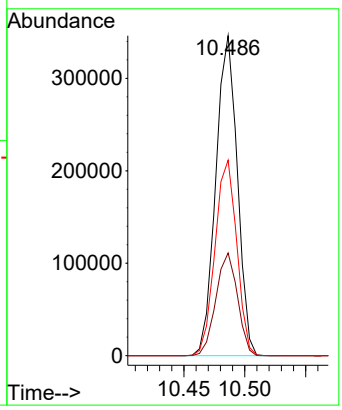


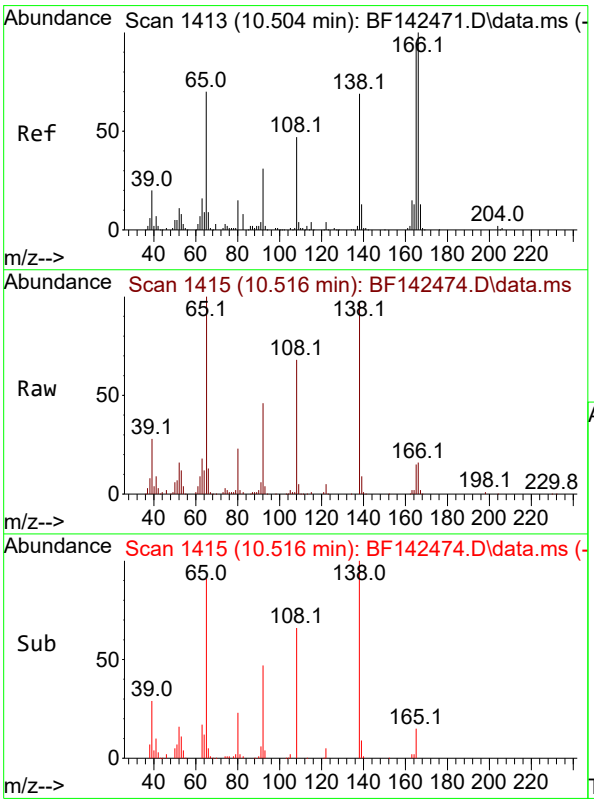
#61
4-Chlorophenyl-phenylether
Concen: 70.193 ng
RT: 10.486 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 426386

Ion	Ratio	Lower	Upper
204	100		
206	32.1	26.3	39.5
141	61.1	49.5	74.3

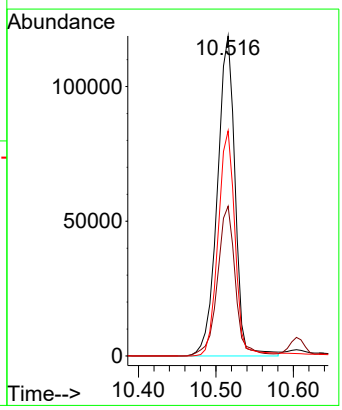


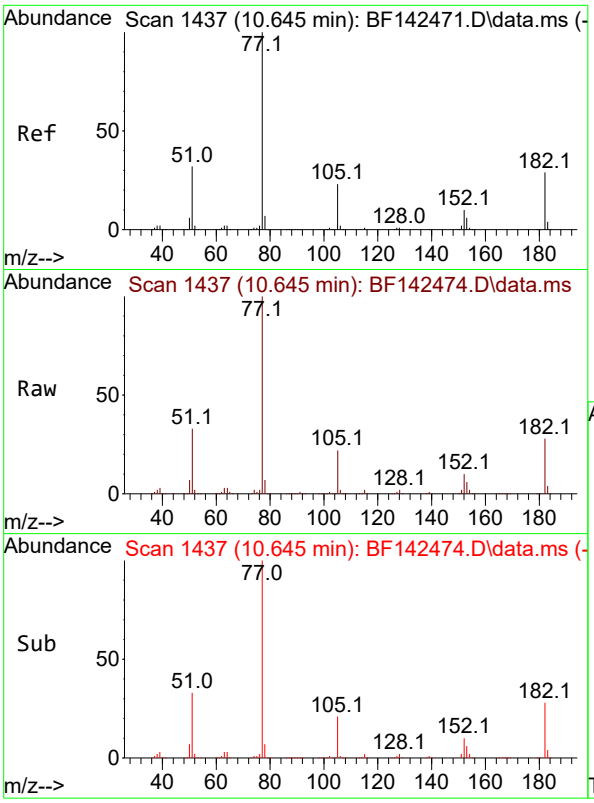


#62
4-Nitroaniline
Concen: 71.105 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:138 Resp: 188782

Ion	Ratio	Lower	Upper
138	100		
92	46.8	26.0	66.0
108	70.3	48.4	88.4



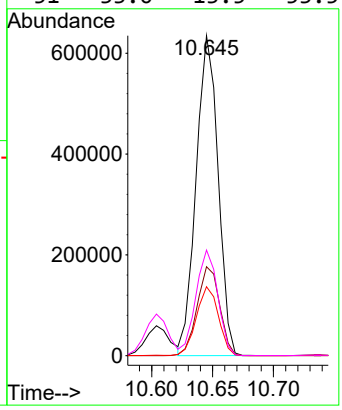


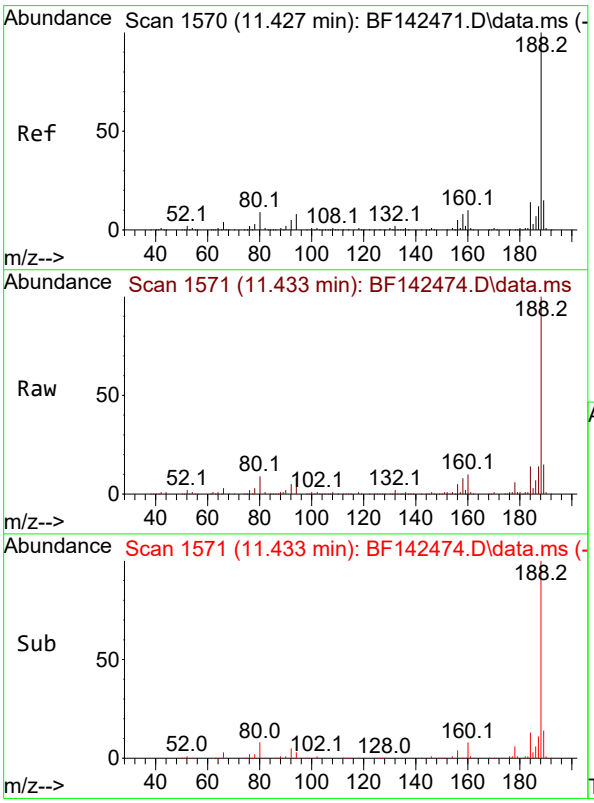
#63
Azobenzene
Concen: 72.893 ng
RT: 10.645 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 794029

Ion	Ratio	Lower	Upper
77	100		
182	27.8	9.0	49.0
105	21.5	2.4	42.4
51	33.0	13.5	53.5

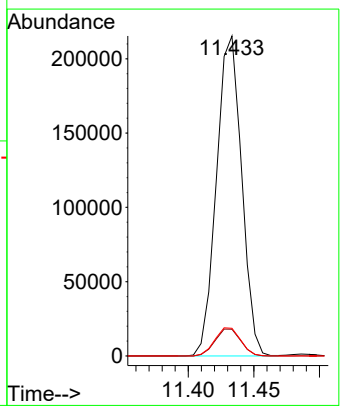


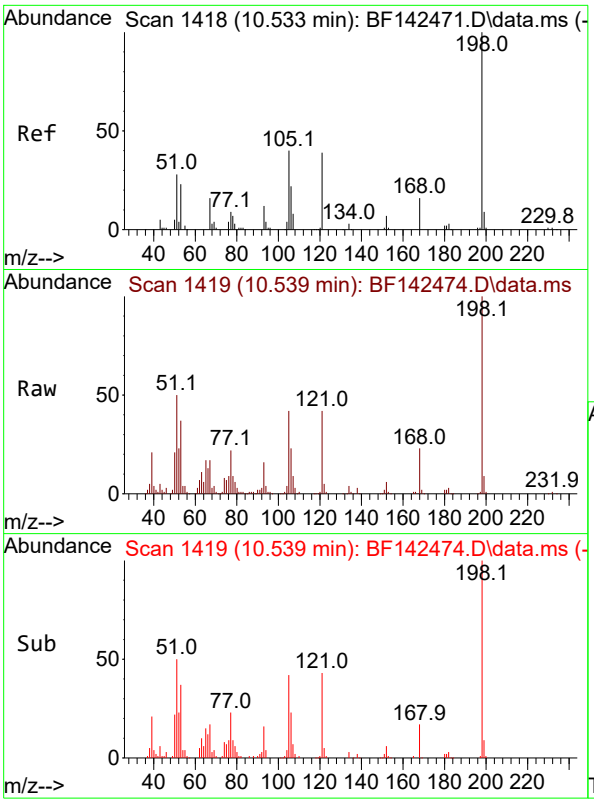


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:188 Resp: 287337

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	8.6	7.4	11.0



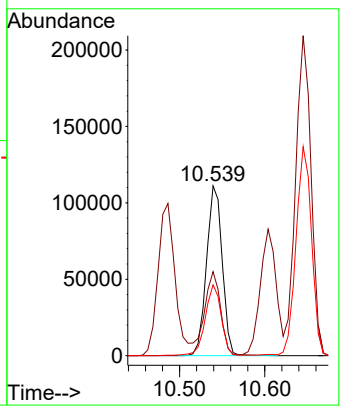


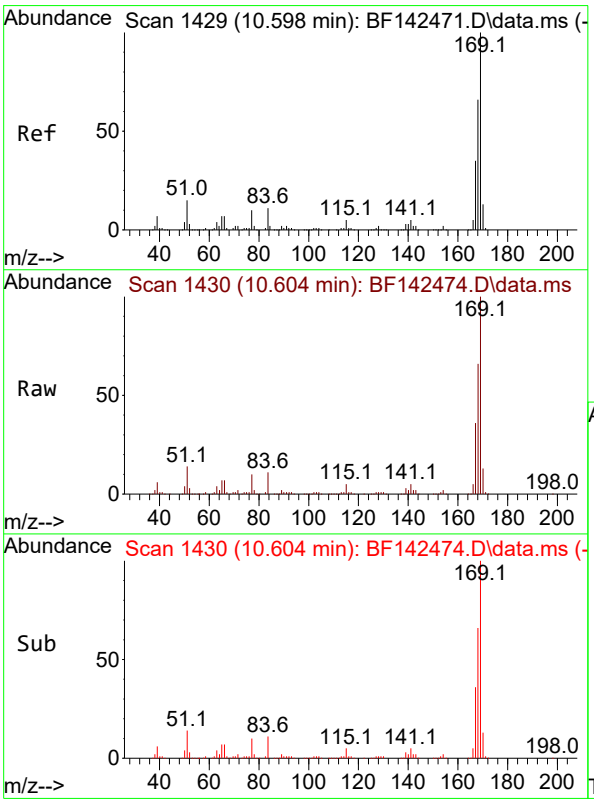
#65
4,6-Dinitro-2-methylphenol
Concen: 88.468 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 141863

Ion	Ratio	Lower	Upper
198	100		
51	49.5	28.3	68.3
105	41.7	21.3	61.3

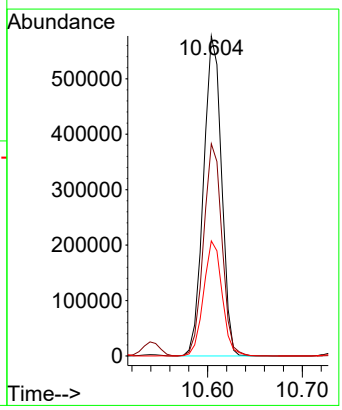


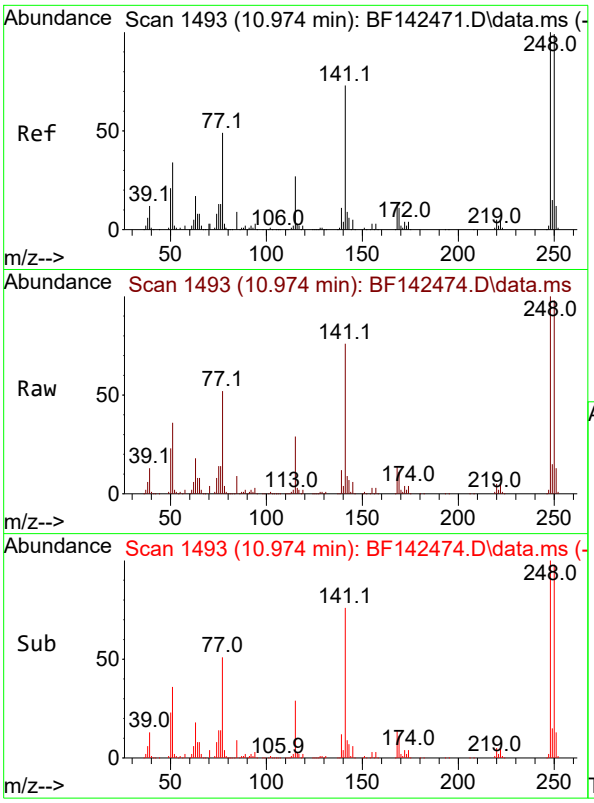


#66
n-Nitrosodiphenylamine
Concen: 77.145 ng
RT: 10.604 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:169 Resp: 758366

Ion	Ratio	Lower	Upper
169	100		
168	66.3	52.7	79.1
167	35.9	28.3	42.5



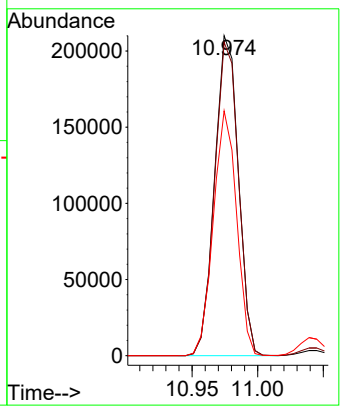


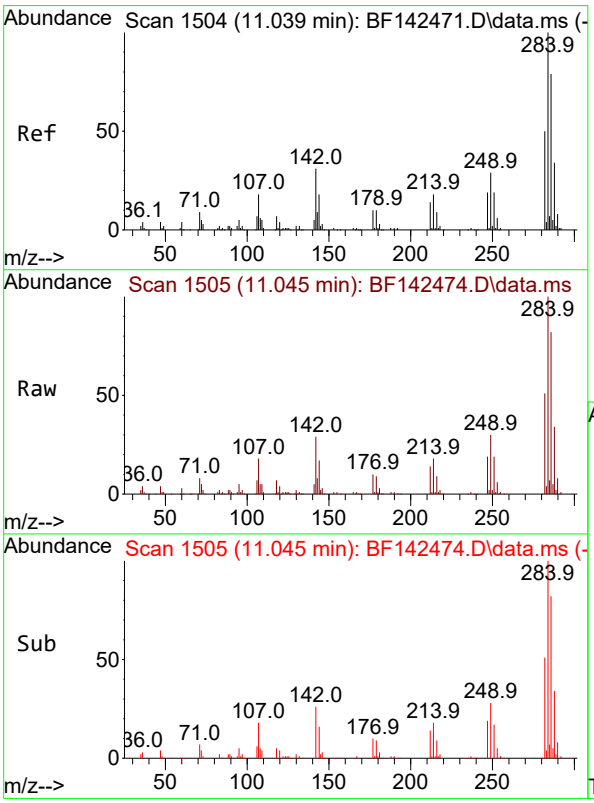
#67
4-Bromophenyl-phenylether
Concen: 77.920 ng
RT: 10.974 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 264739

Ion	Ratio	Lower	Upper
248	100		
250	98.0	79.0	118.4
141	76.5	58.4	87.6

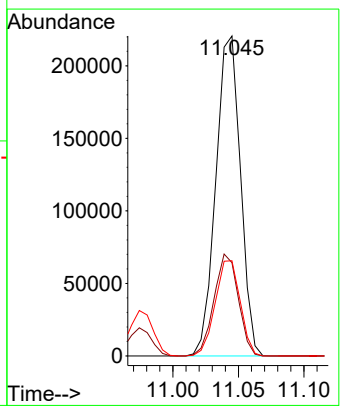


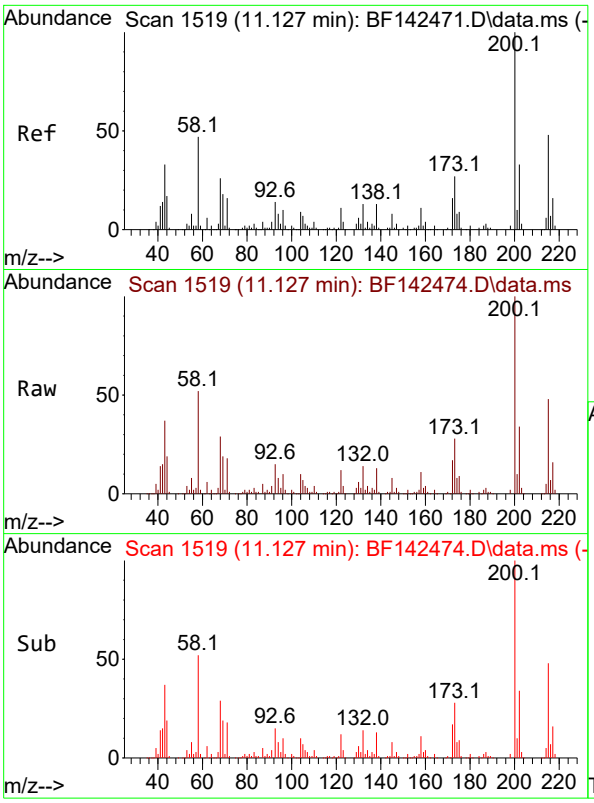


#68
Hexachlorobenzene
Concen: 76.555 ng
RT: 11.045 min Scan# 1505
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:284 Resp: 287676

Ion	Ratio	Lower	Upper
284	100		
142	29.1	24.8	37.2
249	29.8	23.6	35.4



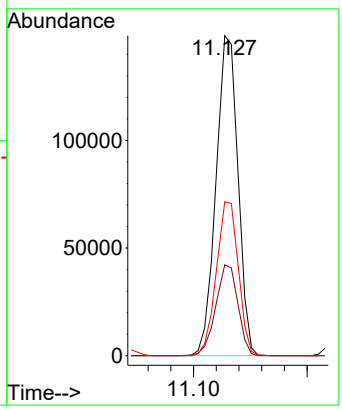


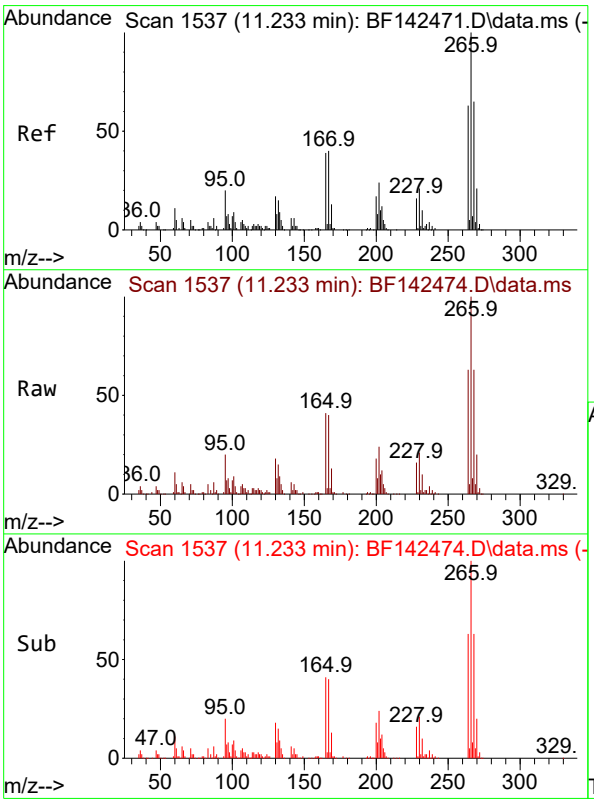
#69
Atrazine
Concen: 76.581 ng
RT: 11.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:200 Resp: 199929

Ion	Ratio	Lower	Upper
200	100		
173	28.4	7.4	47.4
215	48.1	28.5	68.5

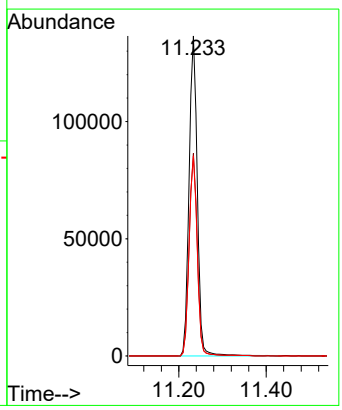


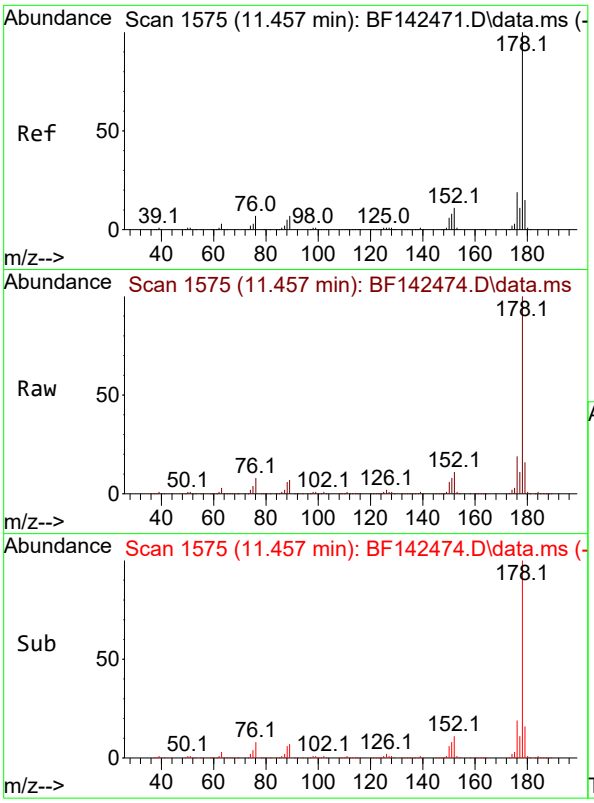


#70
Pentachlorophenol
Concen: 83.666 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:266 Resp: 177504

Ion	Ratio	Lower	Upper
266	100		
268	63.3	51.7	77.5
264	62.5	50.4	75.6



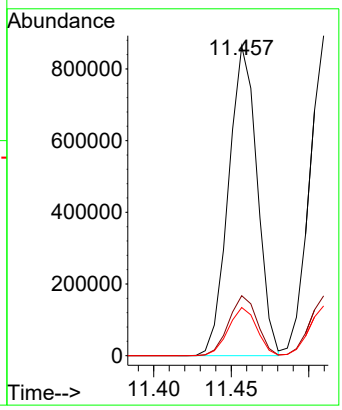


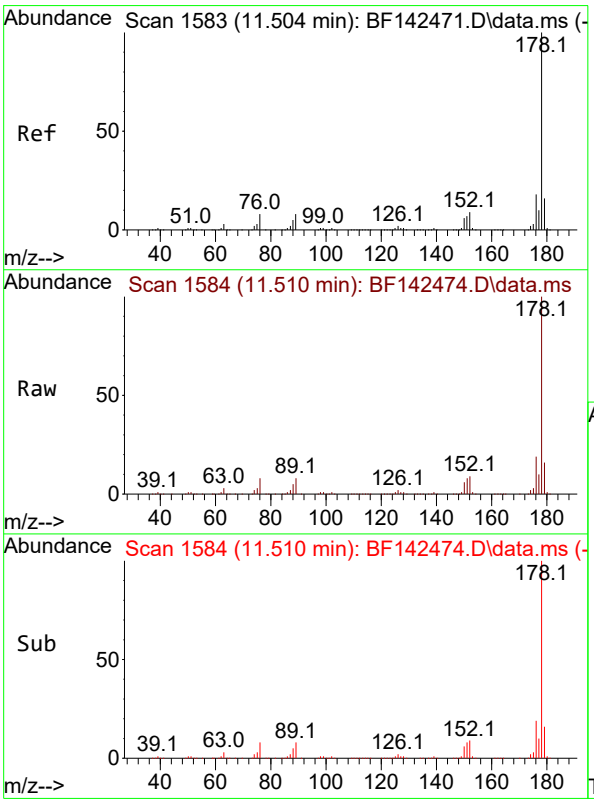
#71
Phenanthrene
Concen: 72.134 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 1107683

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.5	12.3	18.5

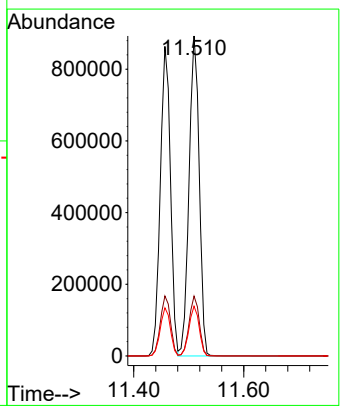


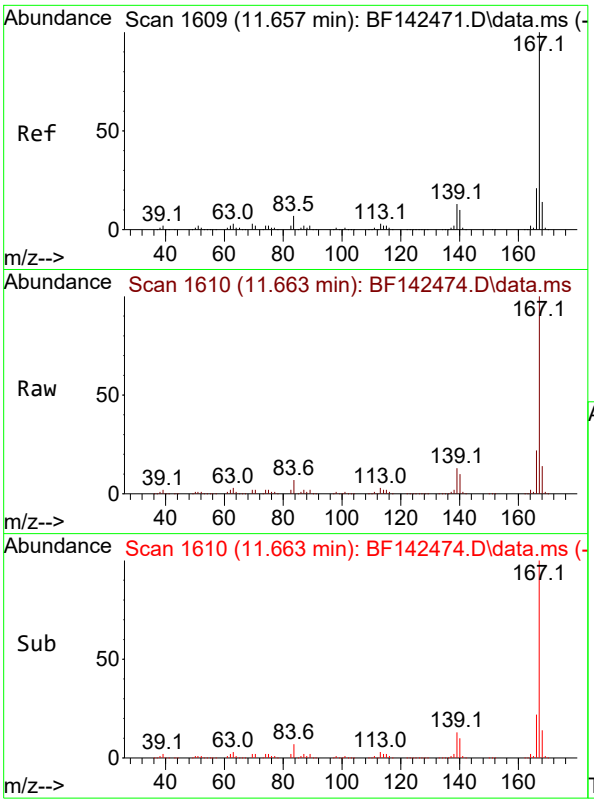


#72
Anthracene
Concen: 73.009 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:178 Resp: 1144182

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	21.8
179	15.5	12.4	18.6



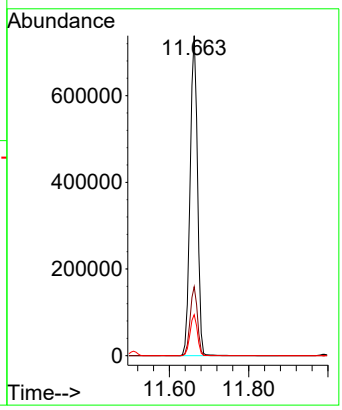


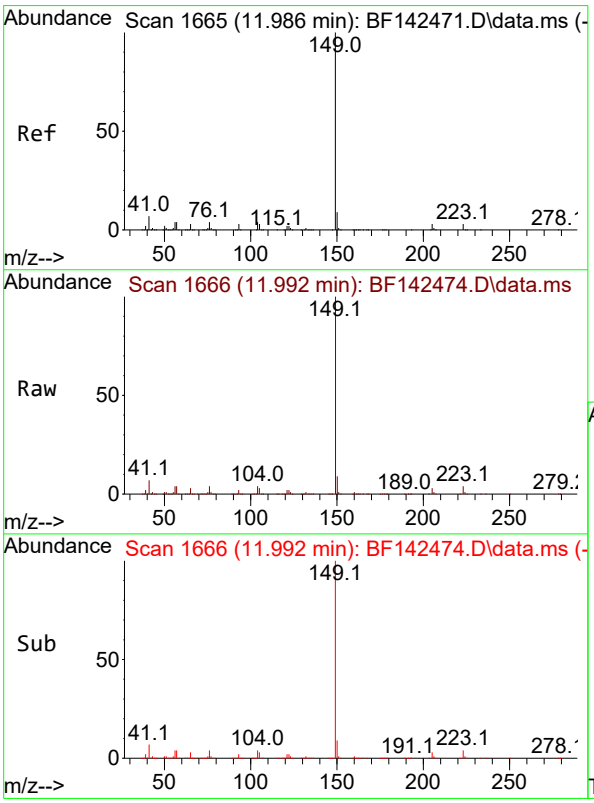
#73
Carbazole
Concen: 71.360 ng
RT: 11.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:167 Resp: 956069

Ion	Ratio	Lower	Upper
167	100		
166	21.6	16.9	25.3
139	12.8	10.2	15.4

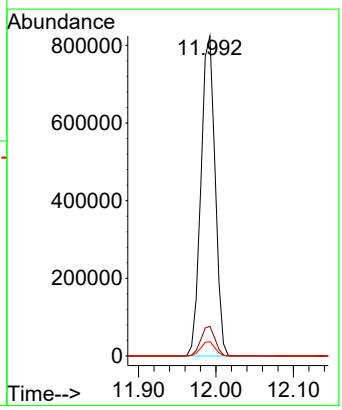


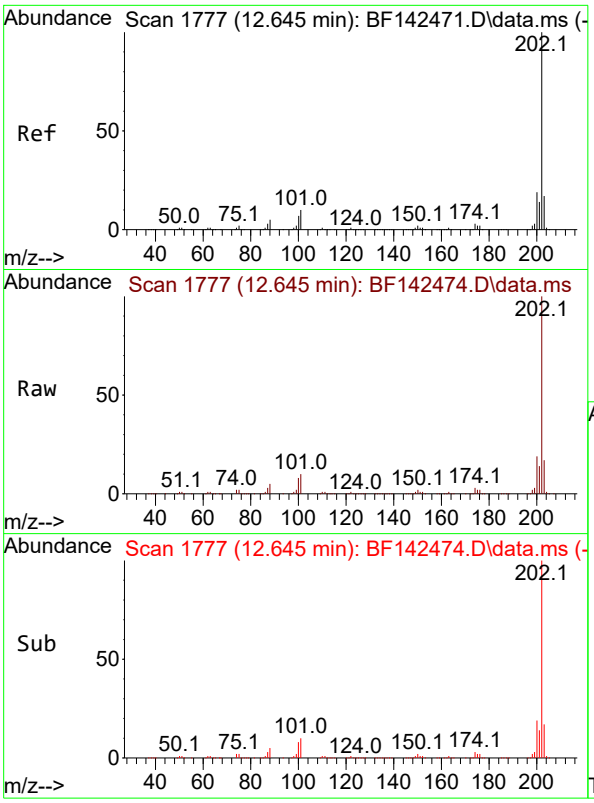


#74
Di-n-butylphthalate
Concen: 71.153 ng
RT: 11.992 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:149 Resp: 1043468

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.4	3.6	5.4



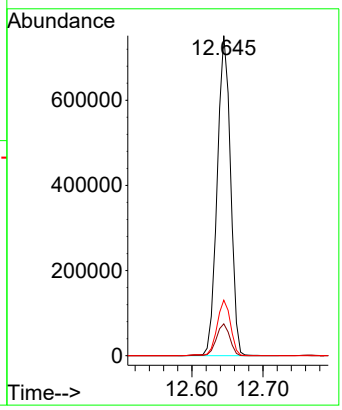


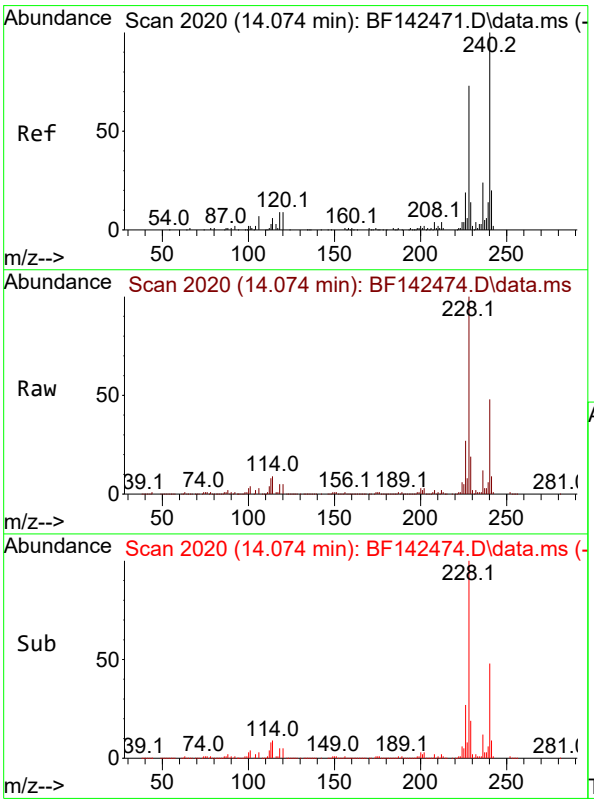
#75
Fluoranthene
Concen: 67.750 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 972105

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	29.6
203	17.4	0.0	37.2

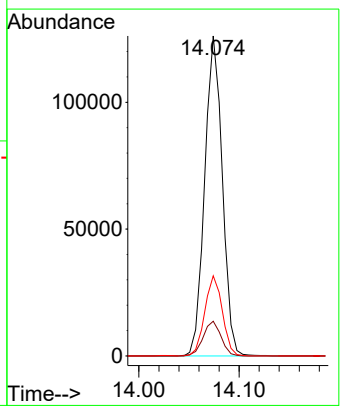


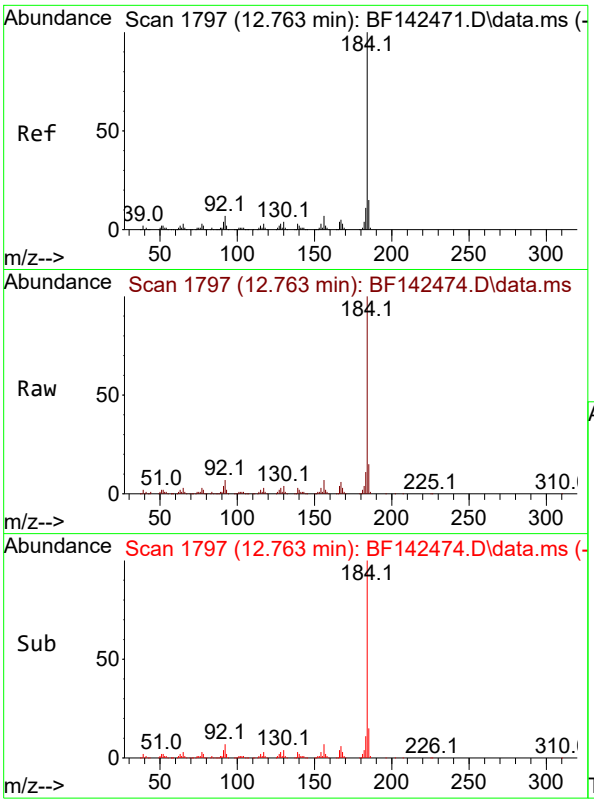


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:240 Resp: 154555

Ion	Ratio	Lower	Upper
240	100		
120	10.8	7.5	11.3
236	25.1	19.6	29.4



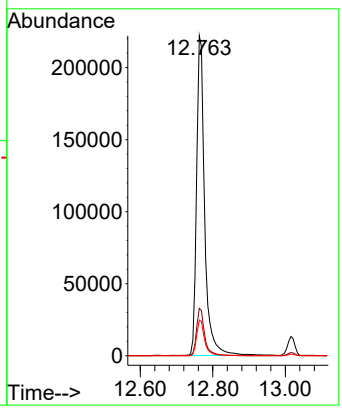


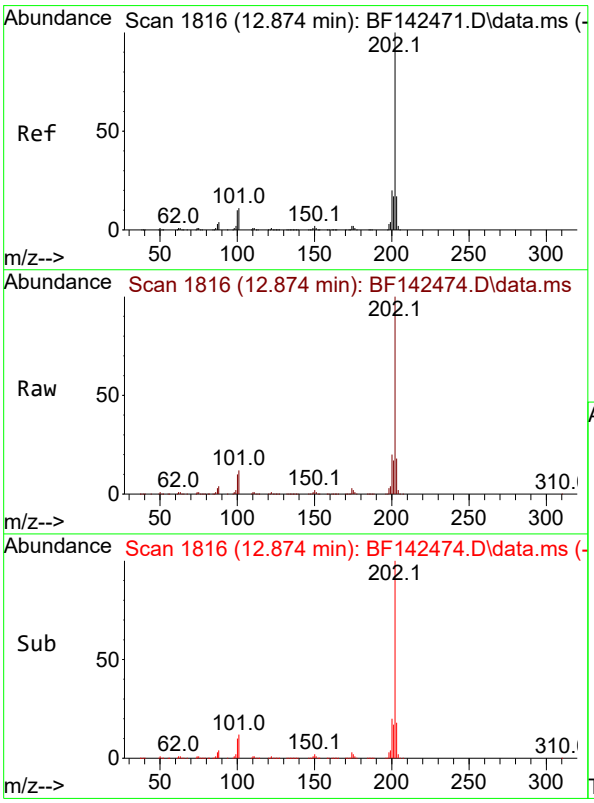
#77
Benzidine
Concen: 59.795 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 343909

Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.6	17.4
183	11.2	9.0	13.4

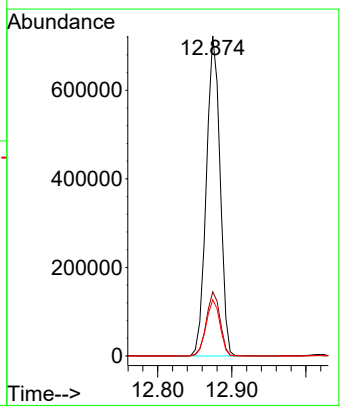


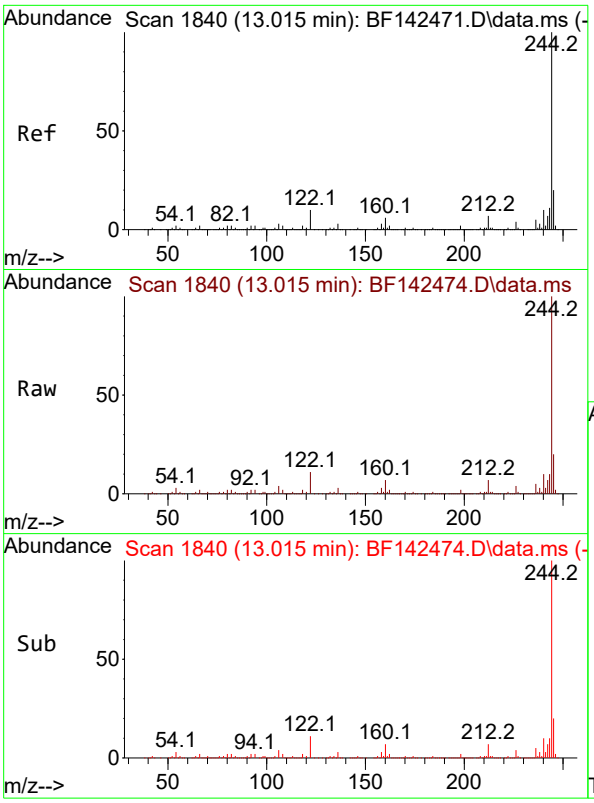


#78
Pyrene
Concen: 64.632 ng
RT: 12.874 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:202 Resp: 931844

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.1	24.1
203	17.5	13.9	20.9



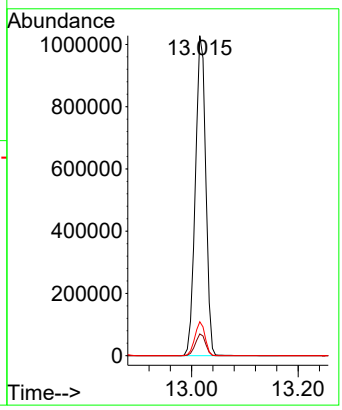


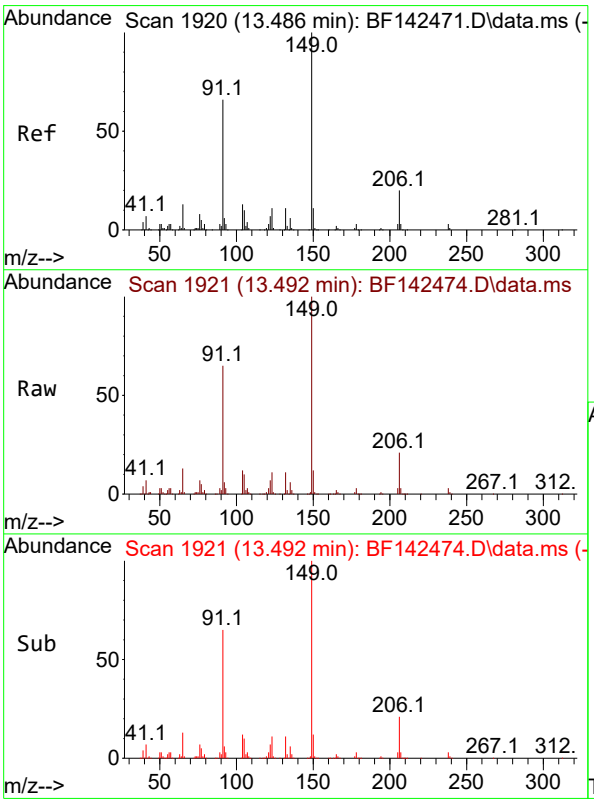
#79
Terphenyl-d14
Concen: 123.140 ng
RT: 13.015 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:244 Resp: 1392704

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.3	7.9
122	10.6	8.2	12.2

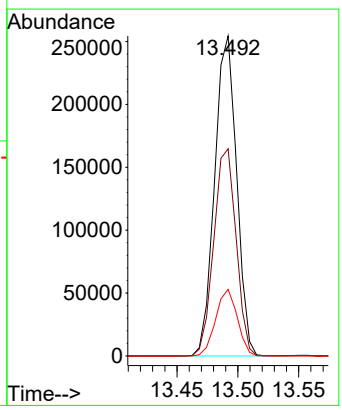


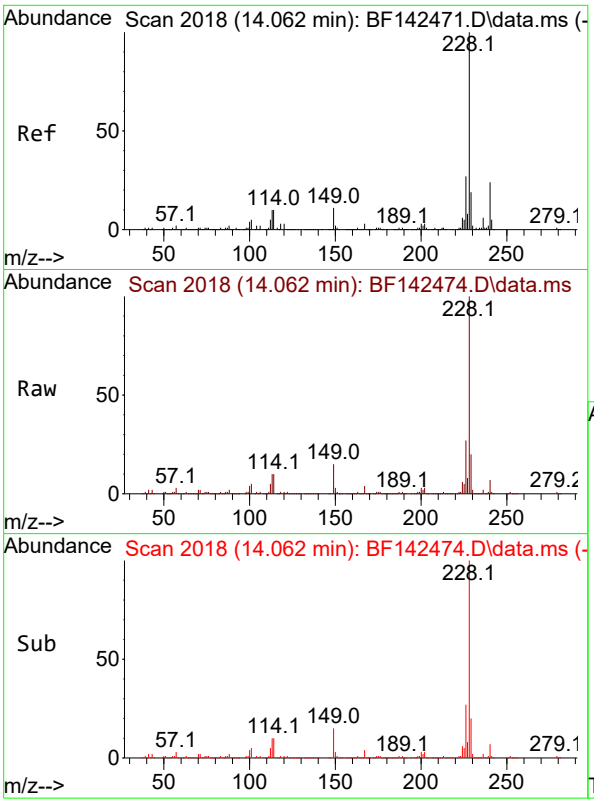


#80
Butylbenzylphthalate
Concen: 80.252 ng
RT: 13.492 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:149 Resp: 319716

Ion	Ratio	Lower	Upper
149	100		
91	64.7	52.9	79.3
206	20.8	16.2	24.2



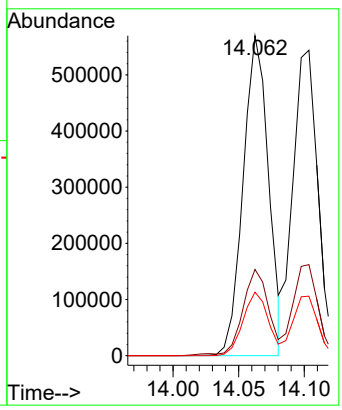


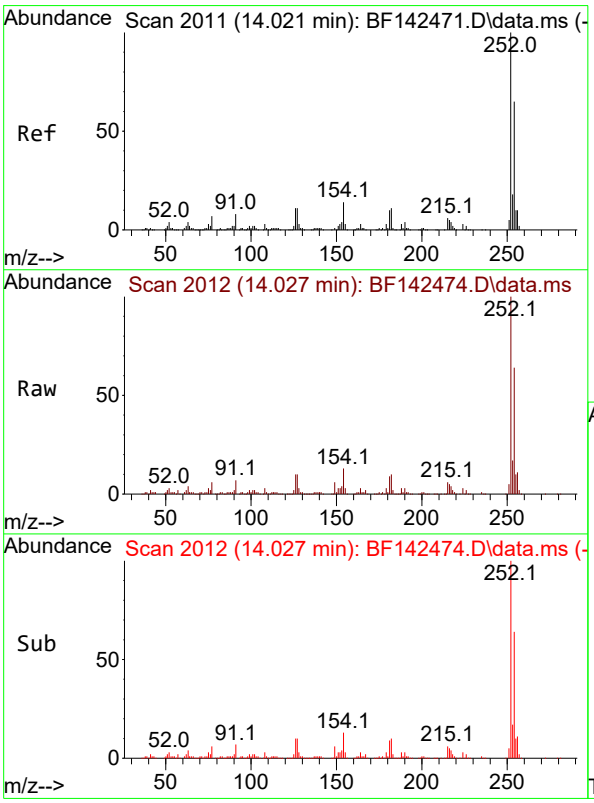
#81
Benzo(a)anthracene
Concen: 74.167 ng
RT: 14.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 765441

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.2	31.8
229	19.9	15.5	23.3

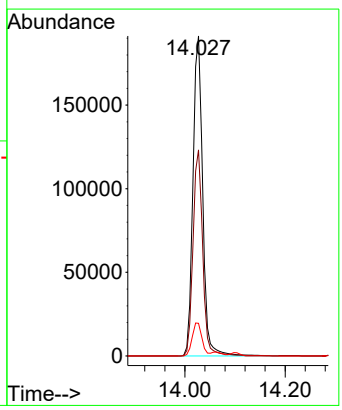


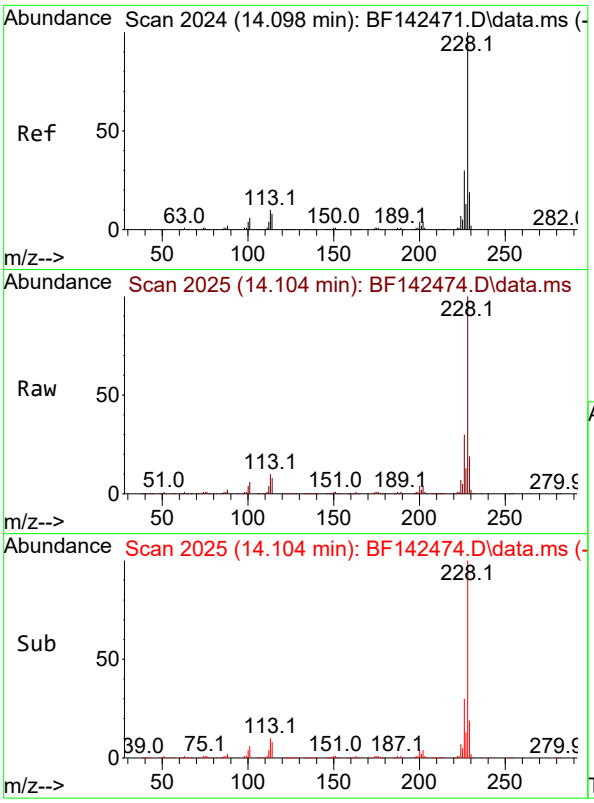


#82
3,3'-Dichlorobenzidine
Concen: 82.274 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:252 Resp: 257542

Ion	Ratio	Lower	Upper
252	100		
254	64.4	52.0	78.0
126	10.2	8.9	13.3



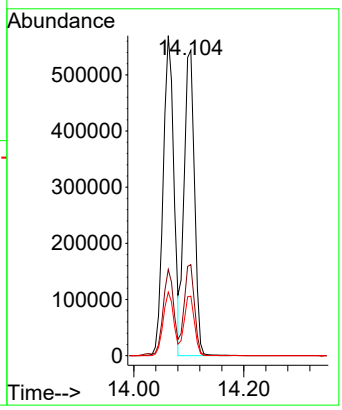


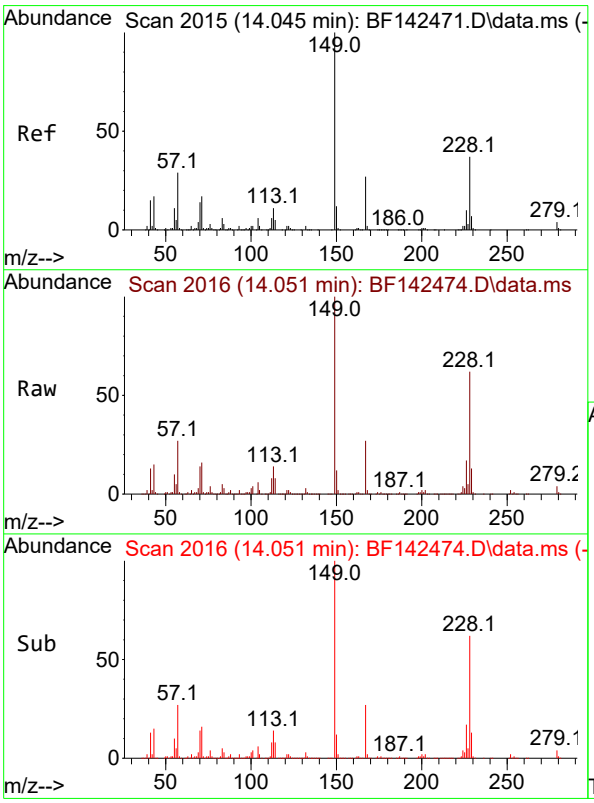
#83
Chrysene
Concen: 77.206 ng
RT: 14.104 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 715970

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.6
229	19.5	15.4	23.2

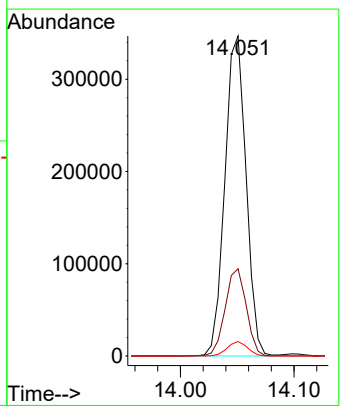


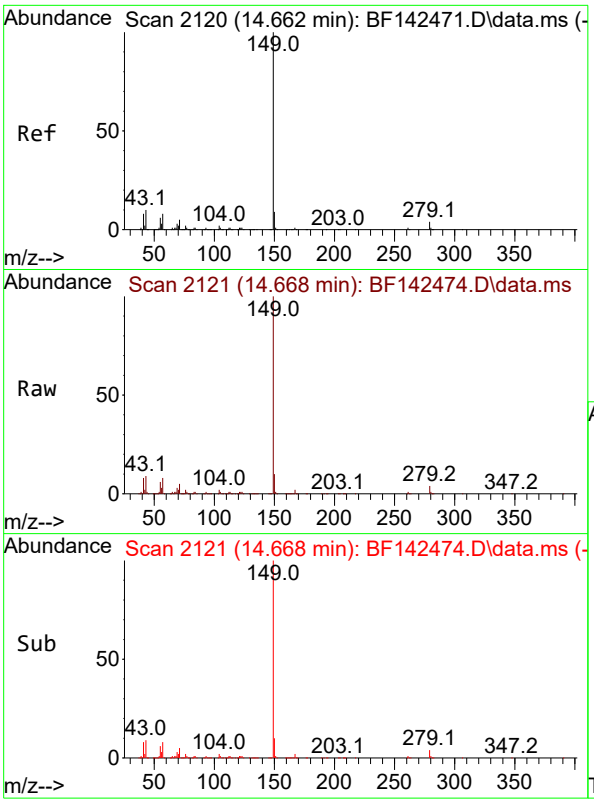


#84
Bis(2-ethylhexyl)phthalate
Concen: 88.168 ng
RT: 14.051 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:149 Resp: 449654

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.5	32.3
279	4.5	3.2	4.8



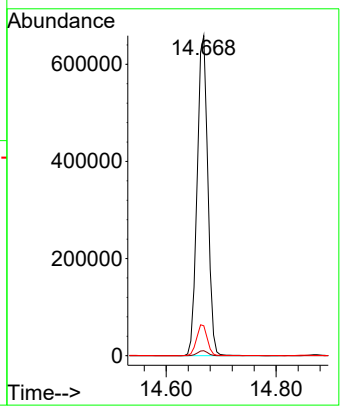


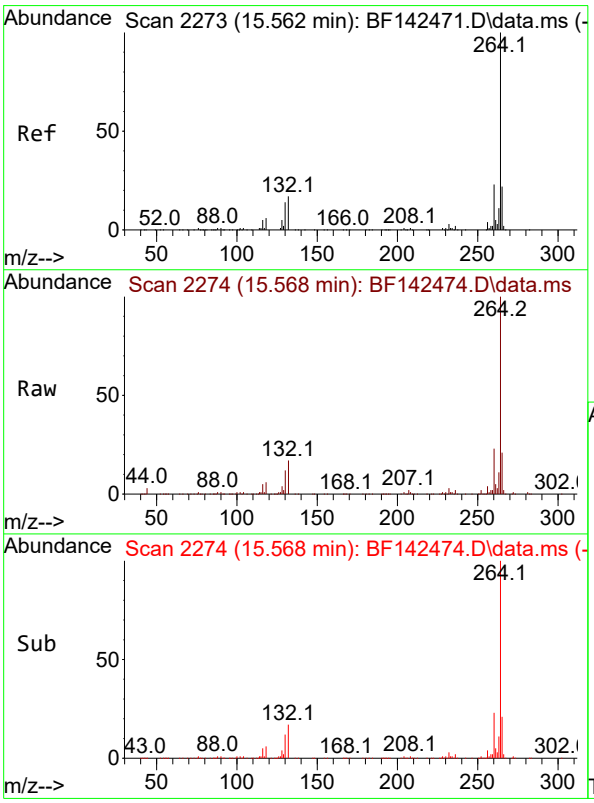
#85
Di-n-octyl phthalate
Concen: 89.073 ng
RT: 14.668 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 888230

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.7	7.9	11.9

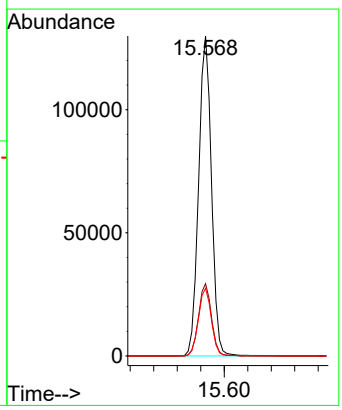


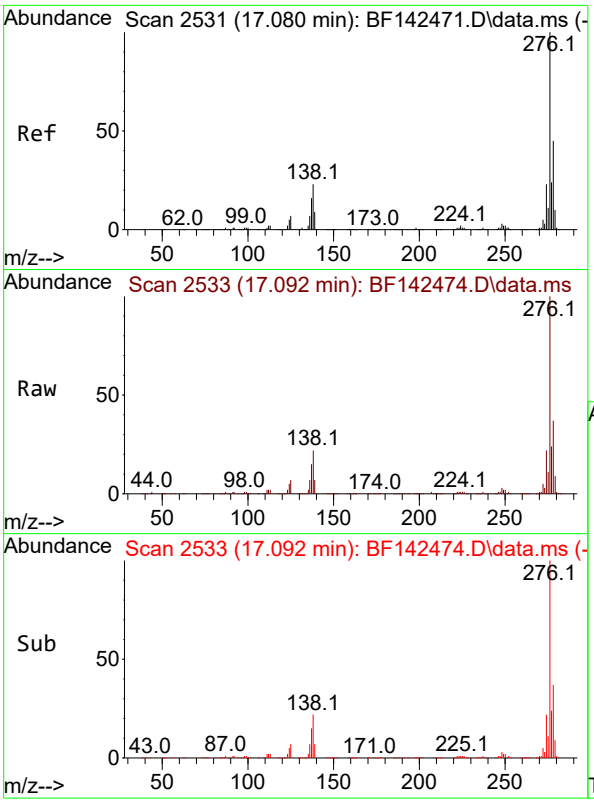


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:264 Resp: 196342

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.6	28.0
265	21.2	17.7	26.5



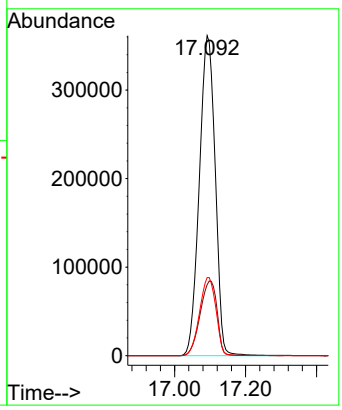


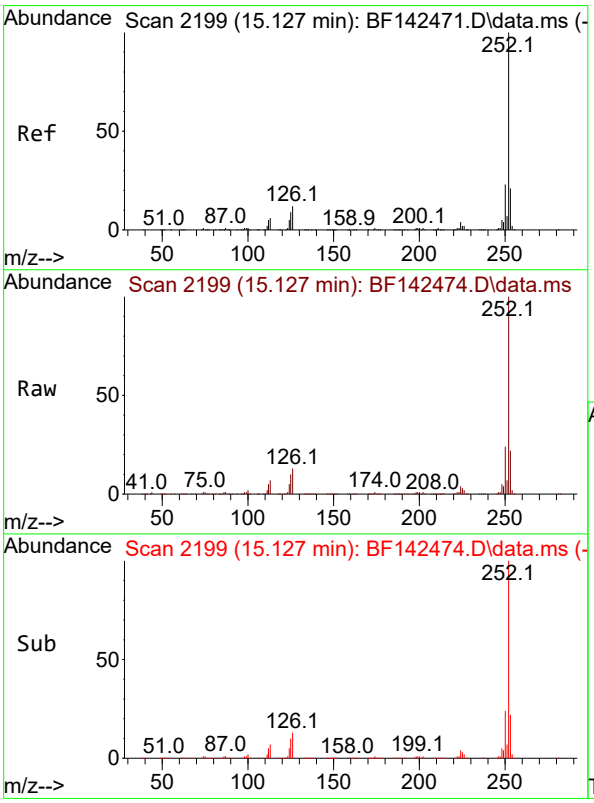
#87
Indeno(1,2,3-cd)pyrene
Concen: 76.417 ng
RT: 17.092 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 1126401

Ion	Ratio	Lower	Upper
276	100		
138	24.8	19.9	29.9
277	25.2	20.2	30.2

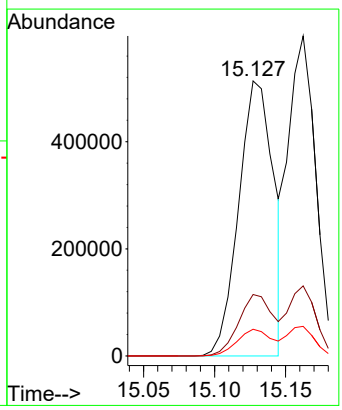


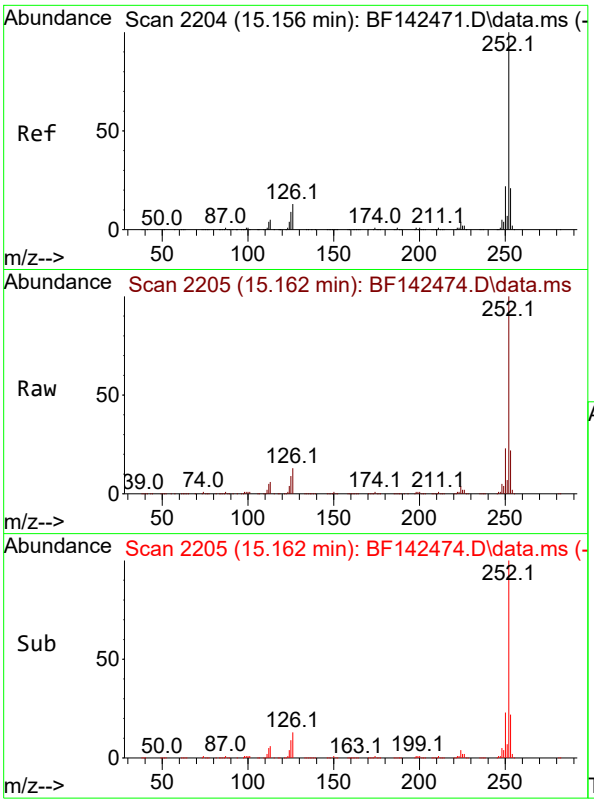


#88
Benzo(b)fluoranthene
Concen: 75.267 ng
RT: 15.127 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:252 Resp: 874640

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.4
125	9.7	7.4	11.0



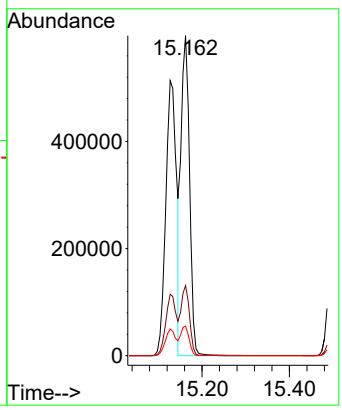


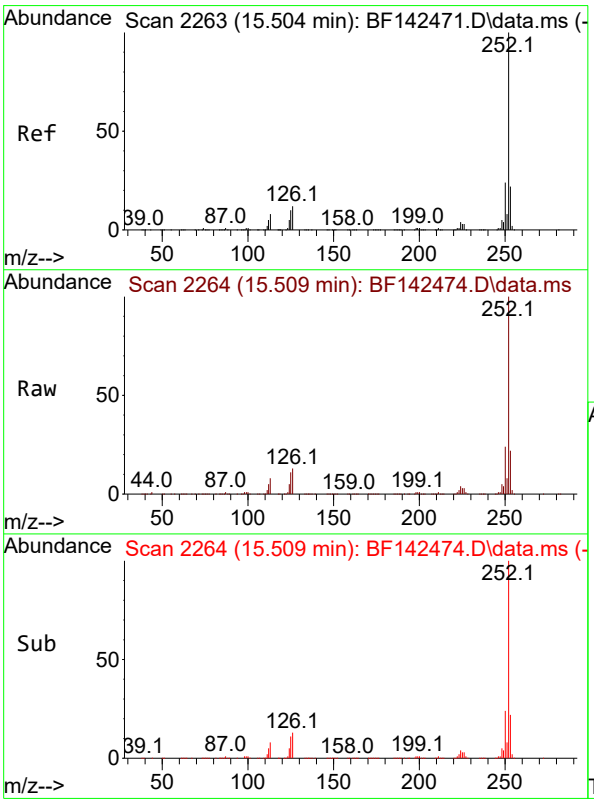
#89
Benzo(k)fluoranthene
Concen: 73.850 ng
RT: 15.162 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 803775

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.4
125	9.2	7.3	10.9

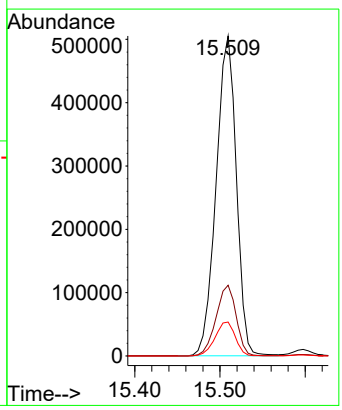


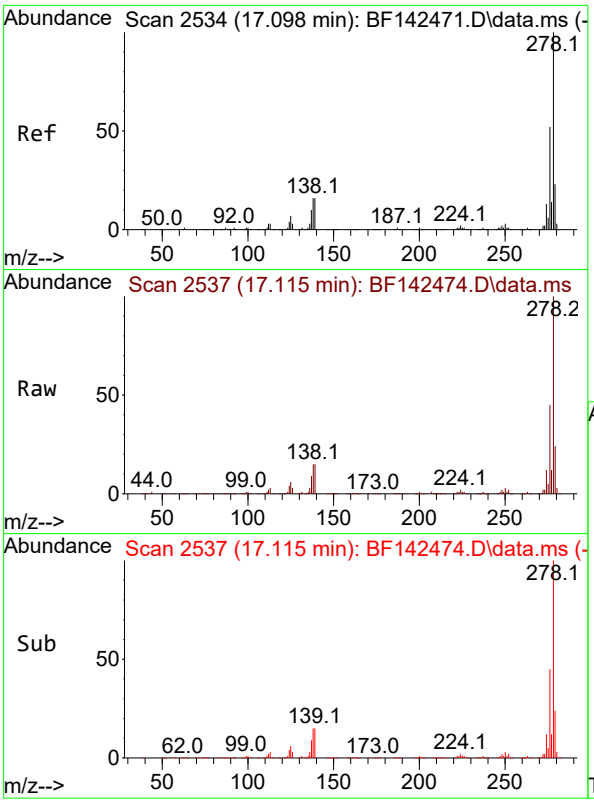


#90
Benzo(a)pyrene
Concen: 76.121 ng
RT: 15.509 min Scan# 2264
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:252 Resp: 833783

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	10.6	7.9	11.9



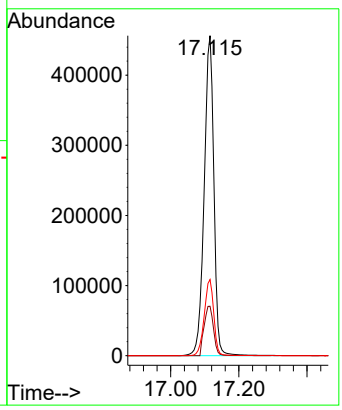


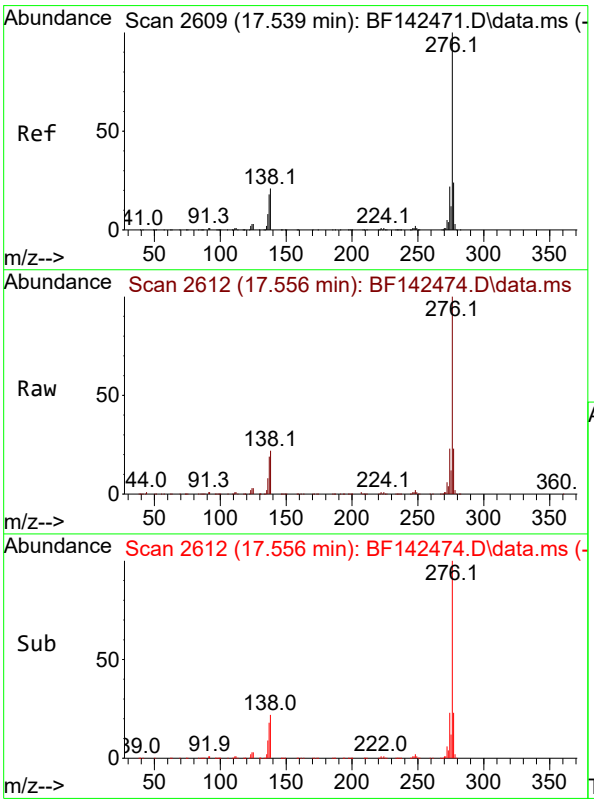
#91
Dibenzo(a,h)anthracene
Concen: 75.513 ng
RT: 17.115 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 902757

Ion	Ratio	Lower	Upper
278	100		
139	15.5	12.8	19.2
279	23.8	18.6	28.0

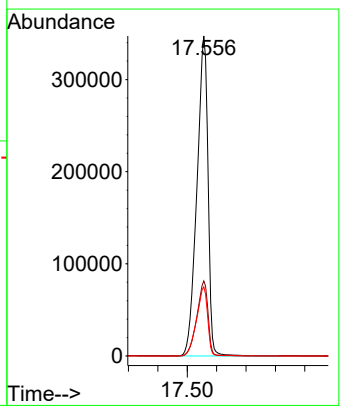




#92
Benzo(g,h,i)perylene
Concen: 76.073 ng
RT: 17.556 min Scan# 2612
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:276 Resp: 909649

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.2	28.8
138	21.6	16.8	25.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142475.D
Acq On : 20 May 2025 16:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Quant Time: May 20 17:07:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	99411	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	385222	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	213164	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	348749	20.000	ng	0.00
76) Chrysene-d12	14.074	240	171632	20.000	ng	0.00
86) Perylene-d12	15.562	264	195956	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	443470	75.157	ng	0.00
7) Phenol-d6	6.522	99	539999	76.025	ng	-0.01
23) Nitrobenzene-d5	7.463	82	545967	77.283	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	179309	75.790	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1152622	72.557	ng	0.00
79) Terphenyl-d14	13.016	244	976059	77.714	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.663	88	90159	38.184	ng	99
3) Pyridine	3.434	79	232139	38.607	ng	99
4) n-Nitrosodimethylamine	3.381	42	121742	38.995	ng	99
6) Aniline	6.563	93	366889	38.415	ng	99
8) 2-Chlorophenol	6.681	128	243599	37.902	ng	97
9) Benzaldehyde	6.451	77	165445	38.726	ng	98
10) Phenol	6.539	94	306601	38.362	ng	99
11) bis(2-Chloroethyl)ether	6.634	93	220228	38.280	ng	100
12) 1,3-Dichlorobenzene	6.839	146	269504	37.579	ng	100
13) 1,4-Dichlorobenzene	6.922	146	275076	38.078	ng	98
14) 1,2-Dichlorobenzene	7.069	146	260709	37.716	ng	100
15) Benzyl Alcohol	7.039	79	202944	38.663	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.175	45	366430	37.927	ng	100
17) 2-Methylphenol	7.145	107	193190	38.500	ng	99
18) Hexachloroethane	7.416	117	96202	38.137	ng	99
19) n-Nitroso-di-n-propyla...	7.310	70	166542	37.833	ng	99
20) 3+4-Methylphenols	7.304	107	244310	38.020	ng	100
22) Acetophenone	7.310	105	325056	38.118	ng	100
24) Nitrobenzene	7.486	77	246818	38.737	ng	100
25) Isophorone	7.722	82	447723	37.906	ng	99
26) 2-Nitrophenol	7.798	139	136039	39.958	ng	99
27) 2,4-Dimethylphenol	7.833	122	233871	38.953	ng	99
28) bis(2-Chloroethoxy)met...	7.934	93	283379	38.407	ng	99
29) 2,4-Dichlorophenol	8.039	162	209040	38.285	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	226285	38.187	ng	98
31) Naphthalene	8.210	128	722913	38.112	ng	100
32) Benzoic acid	7.939	122	147981	40.490	ng	98
33) 4-Chloroaniline	8.251	127	299462	38.962	ng	99
34) Hexachlorobutadiene	8.322	225	142496	38.512	ng	99
35) Caprolactam	8.622	113	60055	39.162	ng	99
36) 4-Chloro-3-methylphenol	8.728	107	216299	38.654	ng	99
37) 2-Methylnaphthalene	8.898	142	454200	38.062	ng	100
38) 1-Methylnaphthalene	8.998	142	471880	38.229	ng	100
40) 1,2,4,5-Tetrachloroben...	9.063	216	229514	37.508	ng	99
41) Hexachlorocyclopentadiene	9.051	237	165077	39.991	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	156603	37.954	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142475.D
Acq On : 20 May 2025 16:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Quant Time: May 20 17:07:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	164342	37.766	ng		99
46) 1,1'-Biphenyl	9.363	154	619947	37.487	ng		100
47) 2-Chloronaphthalene	9.386	162	461414	37.763	ng		99
48) 2-Nitroaniline	9.480	65	137268	38.867	ng		99
49) Acenaphthylene	9.804	152	776377	37.630	ng		100
50) Dimethylphthalate	9.663	163	523004	37.184	ng		100
51) 2,6-Dinitrotoluene	9.722	165	115938	38.191	ng		98
52) Acenaphthene	9.975	154	477197	37.877	ng		100
53) 3-Nitroaniline	9.892	138	126814	38.246	ng		98
54) 2,4-Dinitrophenol	9.992	184	65057	41.481	ng	#	35
55) Dibenzofuran	10.145	168	673871	37.170	ng		100
56) 4-Nitrophenol	10.045	139	96197	39.320	ng		98
57) 2,4-Dinitrotoluene	10.127	165	152488	38.463	ng		99
58) Fluorene	10.492	166	513487	36.662	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.263	232	138047	38.000	ng		98
60) Diethylphthalate	10.363	149	519861	37.844	ng		100
61) 4-Chlorophenyl-phenyle...	10.480	204	254467	36.985	ng		99
62) 4-Nitroaniline	10.504	138	114671	38.132	ng		100
63) Azobenzene	10.645	77	466131	37.780	ng		99
65) 4,6-Dinitro-2-methylph...	10.533	198	82393	42.334	ng		99
66) n-Nitrosodiphenylamine	10.598	169	454975	38.132	ng		99
67) 4-Bromophenyl-phenylether	10.974	248	157480	38.189	ng		99
68) Hexachlorobenzene	11.039	284	175840	38.554	ng		99
69) Atrazine	11.127	200	125293	39.541	ng		99
70) Pentachlorophenol	11.227	266	105232	40.866	ng		98
71) Phenanthrene	11.457	178	698503	37.478	ng		100
72) Anthracene	11.504	178	723416	38.032	ng		100
73) Carbazole	11.657	167	622812	38.300	ng		100
74) Di-n-butylphthalate	11.986	149	686988	38.596	ng		100
75) Fluoranthene	12.645	202	652697	37.479	ng		100
77) Benzidine	12.763	184	271606	42.525	ng		100
78) Pyrene	12.874	202	642163	40.108	ng		100
80) Butylbenzylphthalate	13.492	149	178179	40.275	ng		97
81) Benzo(a)anthracene	14.063	228	435297	37.981	ng		99
82) 3,3'-Dichlorobenzidine	14.021	252	135132	38.874	ng		100
83) Chrysene	14.098	228	388943	37.768	ng		99
84) Bis(2-ethylhexyl)phtha...	14.051	149	229915	40.596	ng		99
85) Di-n-octyl phthalate	14.662	149	443488	40.048	ng		100
87) Indeno(1,2,3-cd)pyrene	17.080	276	574771	39.070	ng		100
88) Benzo(b)fluoranthene	15.121	252	433704	37.396	ng		98
89) Benzo(k)fluoranthene	15.157	252	404679	37.255	ng		99
90) Benzo(a)pyrene	15.504	252	421730	38.578	ng		100
91) Dibenzo(a,h)anthracene	17.098	278	463752	38.868	ng		100
92) Benzo(g,h,i)perylene	17.539	276	457604	38.345	ng		99

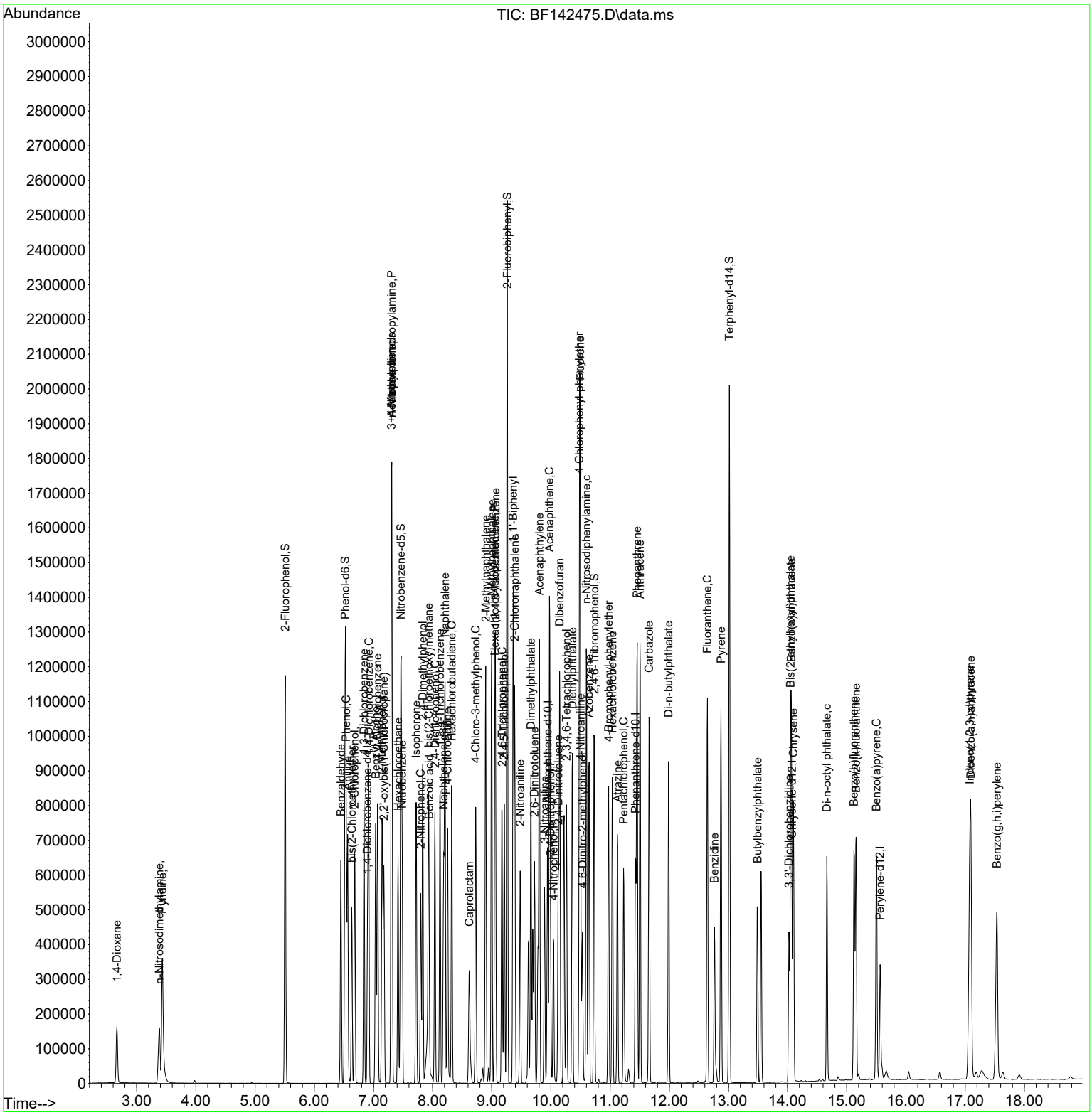
(#) = qualifier out of range (m) = manual integration (+) = signals summed

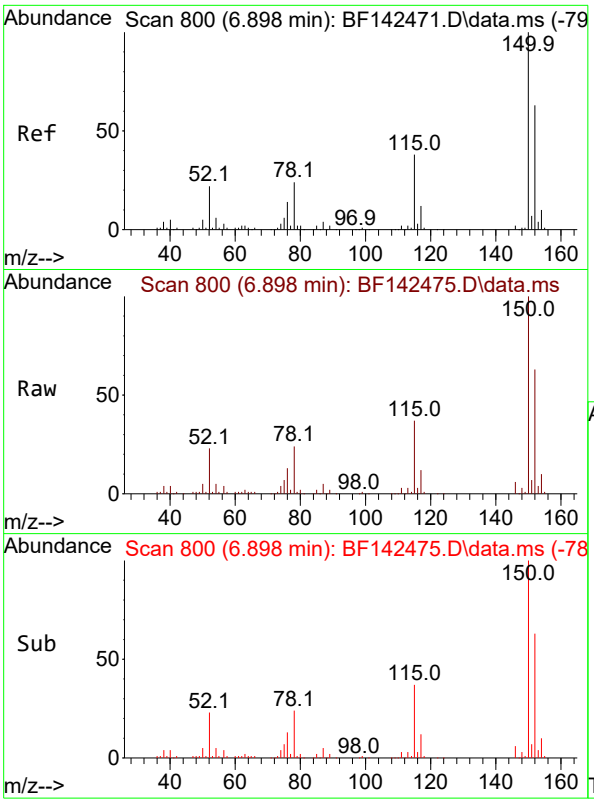
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142475.D
Acq On : 20 May 2025 16:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Quant Time: May 20 17:07:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



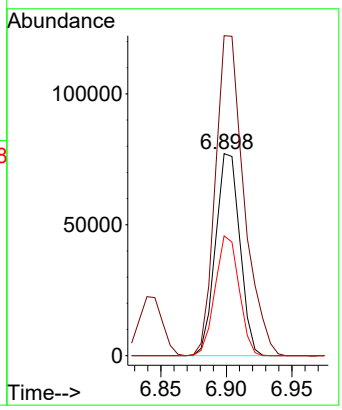


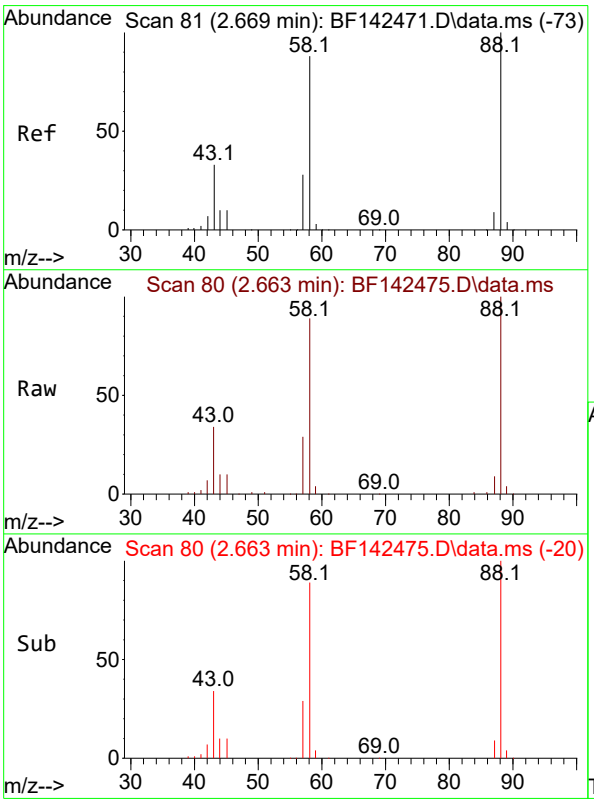
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:152 Resp: 99411

Ion	Ratio	Lower	Upper
152	100		
150	158.4	128.2	192.4
115	59.3	48.3	72.5

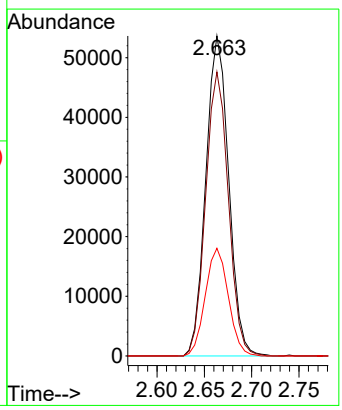


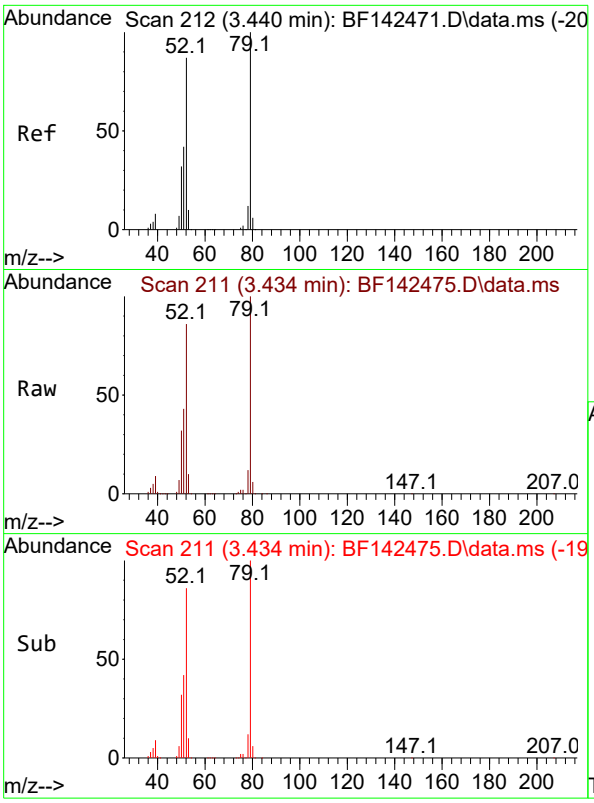


#2
1,4-Dioxane
Concen: 38.184 ng
RT: 2.663 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion: 88 Resp: 90159

Ion	Ratio	Lower	Upper
88	100		
58	88.1	70.8	106.2
43	33.9	26.6	40.0



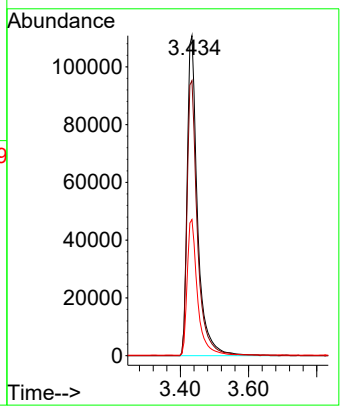


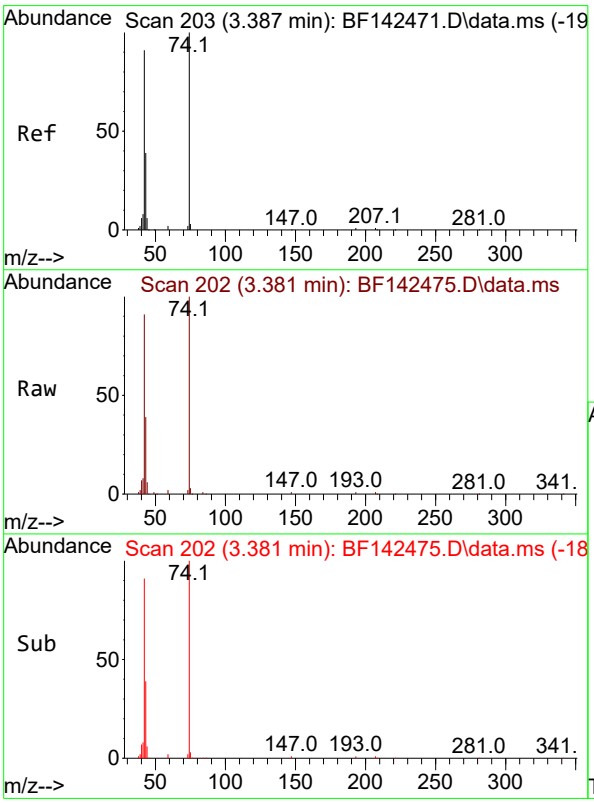
#3
Pyridine
Concen: 38.607 ng
RT: 3.434 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion: 79 Resp: 232139

Ion	Ratio	Lower	Upper
79	100		
52	85.9	69.2	103.8
51	42.6	33.3	49.9

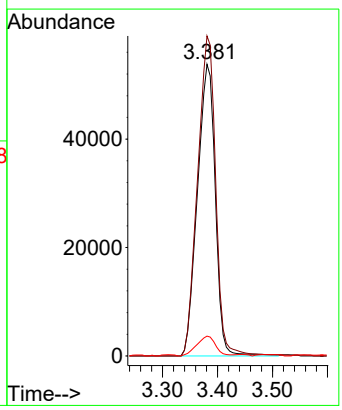


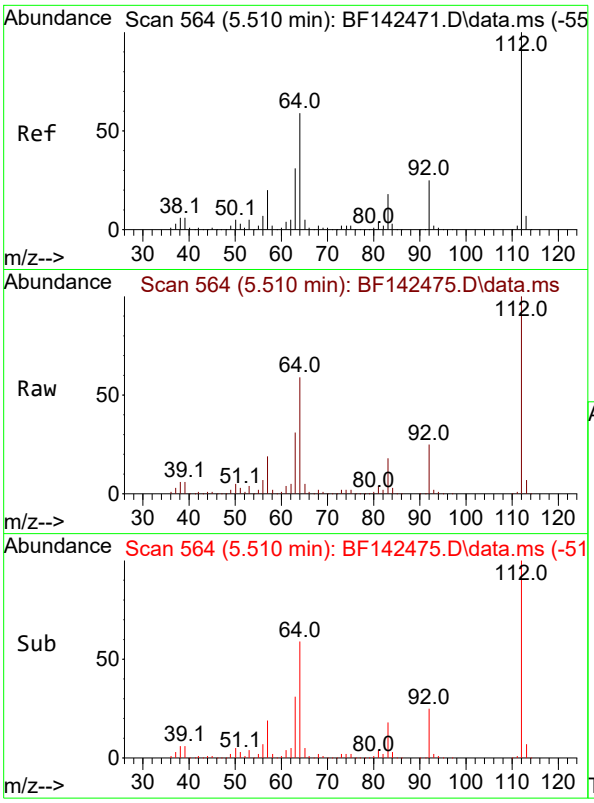


#4
n-Nitrosodimethylamine
Concen: 38.995 ng
RT: 3.381 min Scan# 202
Delta R.T. -0.023 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion: 42 Resp: 121742

Ion	Ratio	Lower	Upper
42	100		
74	109.7	88.2	132.4
44	6.8	5.4	8.2



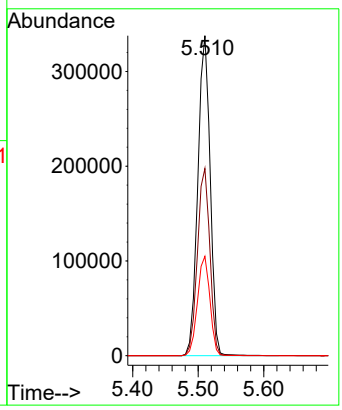


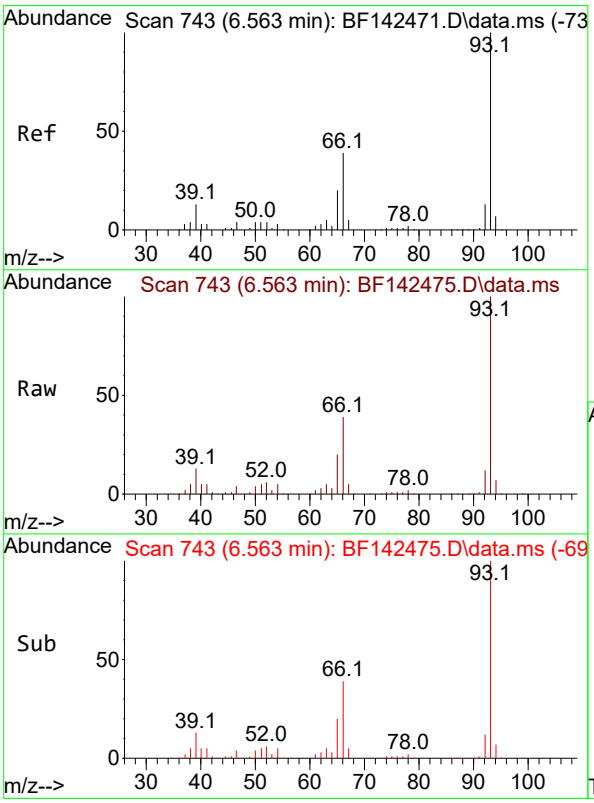
#5
2-Fluorophenol
Concen: 75.157 ng
RT: 5.510 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:112 Resp: 443470

Ion	Ratio	Lower	Upper
112	100		
64	58.5	47.5	71.3
63	31.1	24.9	37.3

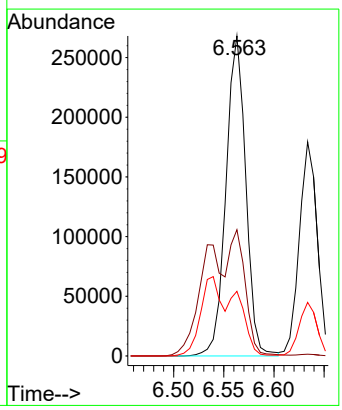


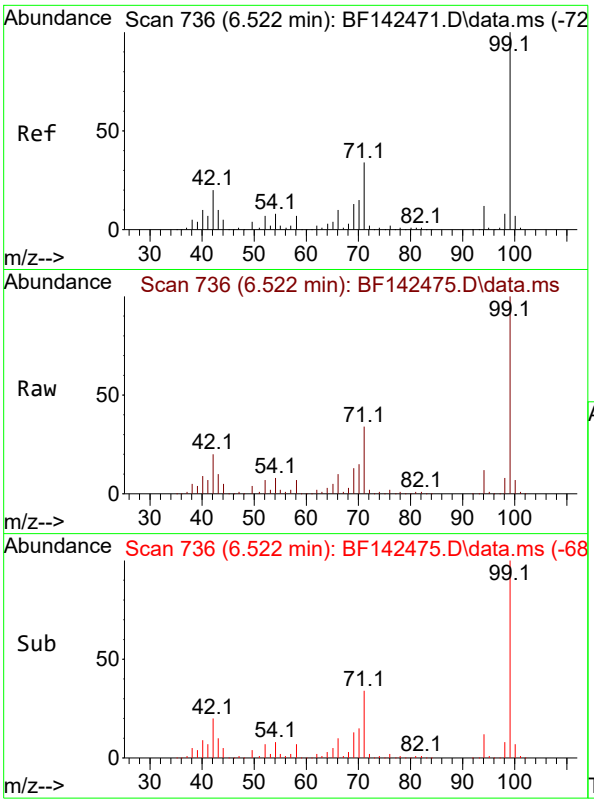


#6
Aniline
Concen: 38.415 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion: 93 Resp: 366889

Ion	Ratio	Lower	Upper
93	100		
66	39.5	32.0	48.0
65	20.2	16.1	24.1



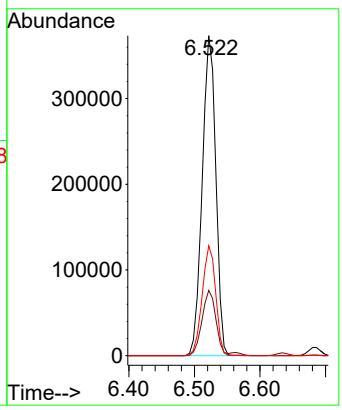


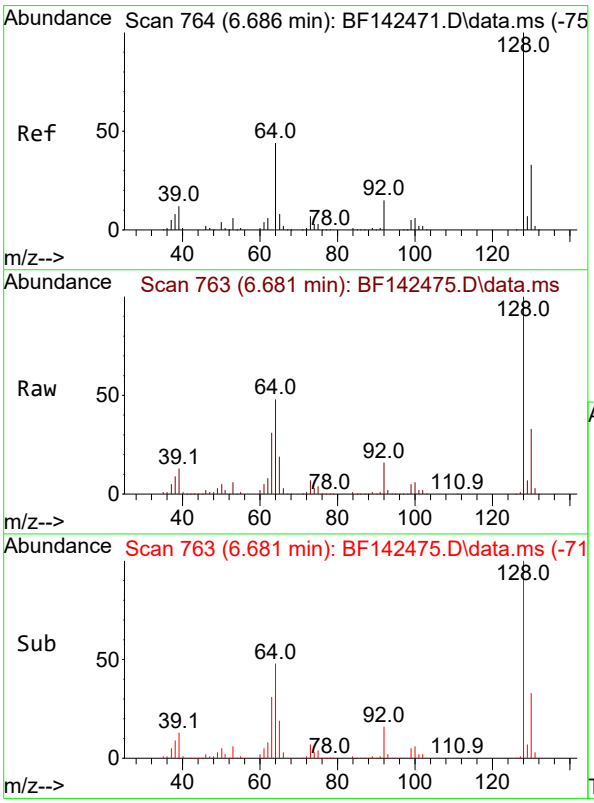
#7
Phenol-d6
Concen: 76.025 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion: 99 Resp: 539999

Ion	Ratio	Lower	Upper
99	100		
42	20.4	16.2	24.2
71	34.3	27.3	40.9

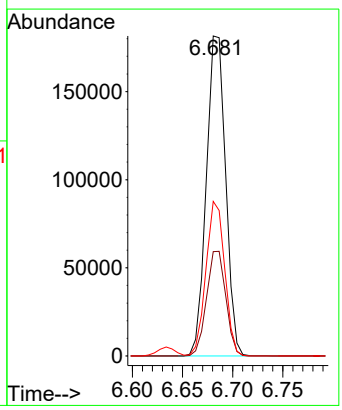


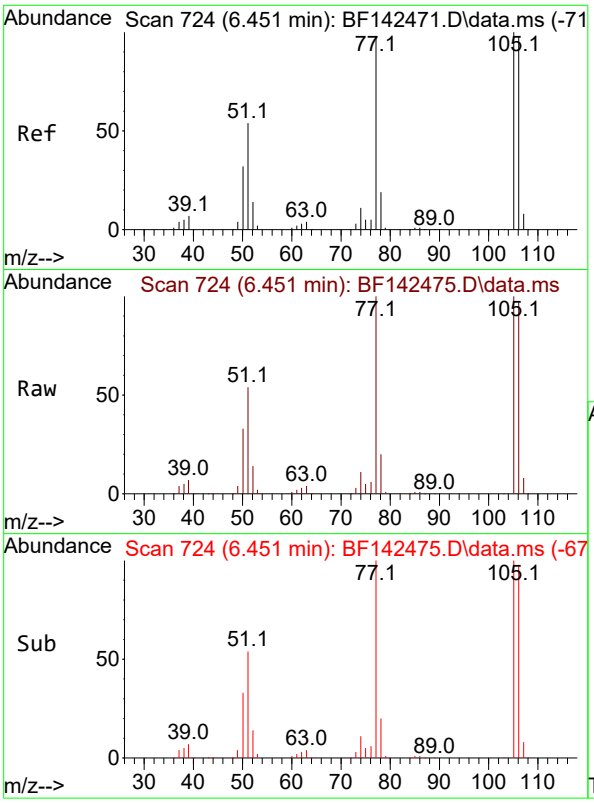


#8
2-Chlorophenol
Concen: 37.902 ng
RT: 6.681 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:128 Resp: 243599

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	48.3	25.1	65.1



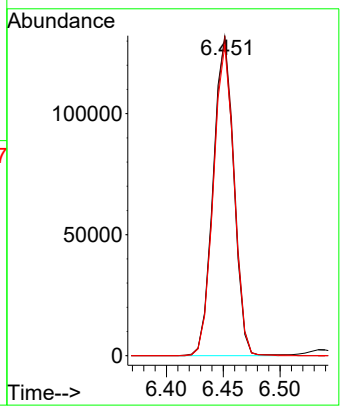


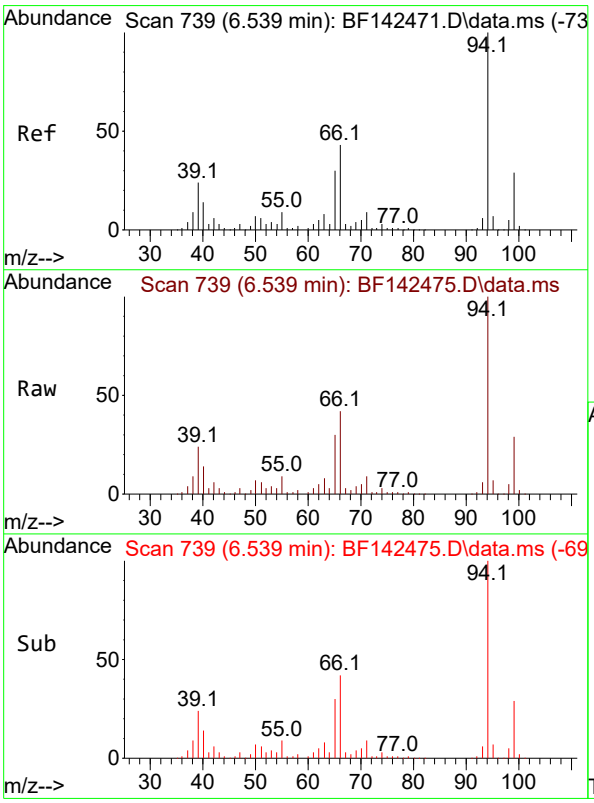
#9
Benzaldehyde
Concen: 38.726 ng
RT: 6.451 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion: 77 Resp: 165445

Ion	Ratio	Lower	Upper
77	100		
105	100.5	82.5	122.5
106	97.4	80.0	120.0

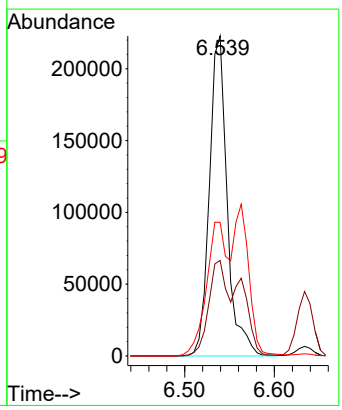


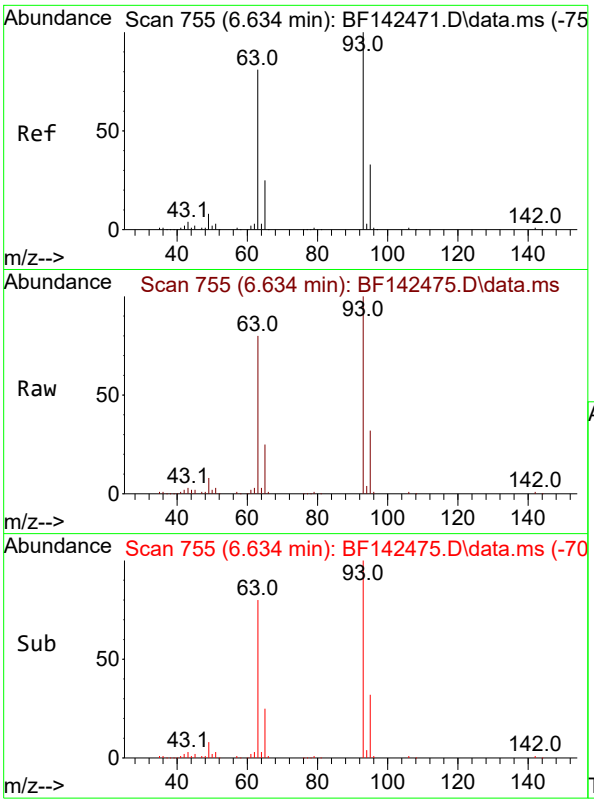


#10
Phenol
Concen: 38.362 ng
RT: 6.539 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion: 94 Resp: 306601

Ion	Ratio	Lower	Upper
94	100		
65	29.8	10.3	50.3
66	41.7	22.6	62.6



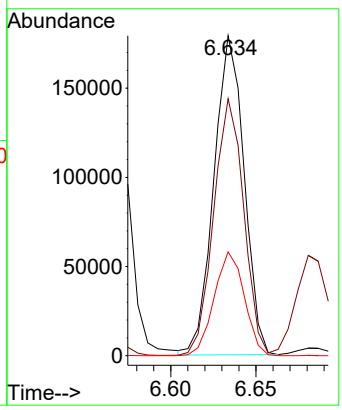


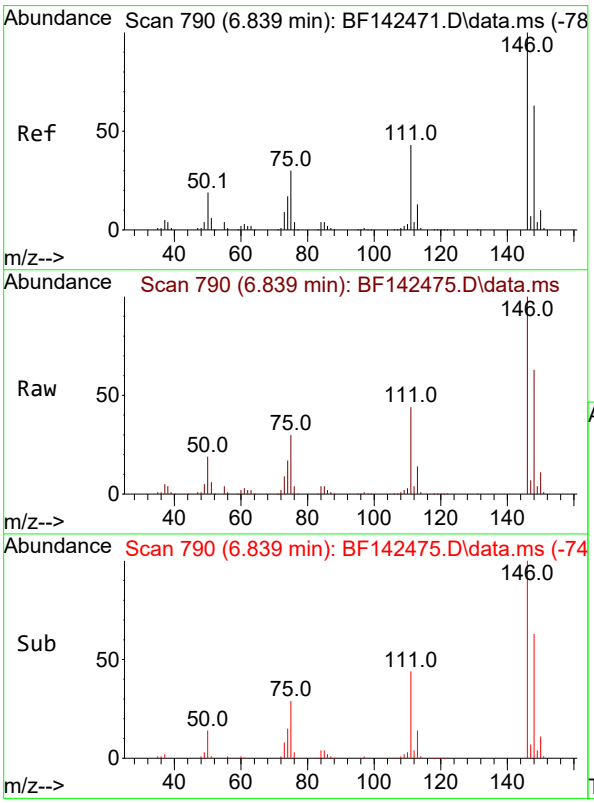
#11
bis(2-Chloroethyl)ether
Concen: 38.280 ng
RT: 6.634 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion: 93 Resp: 220228

Ion	Ratio	Lower	Upper
93	100		
63	80.3	60.2	100.2
95	32.5	12.3	52.3

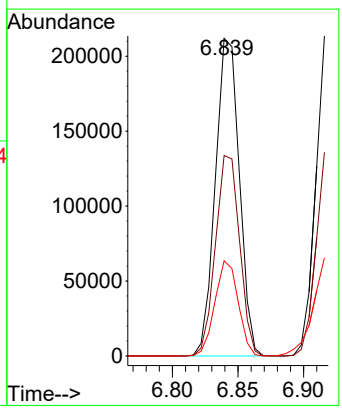


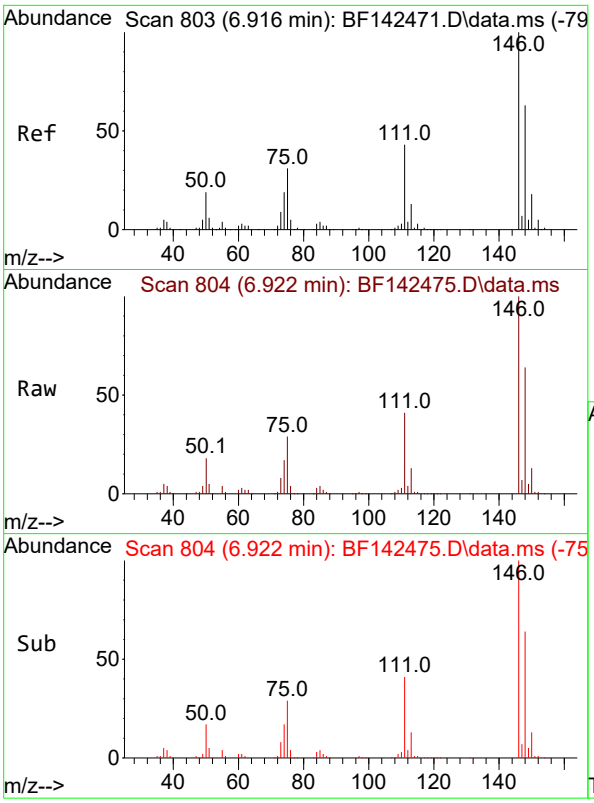


#12
1,3-Dichlorobenzene
Concen: 37.579 ng
RT: 6.839 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:146 Resp: 269504

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.6	75.8
75	30.0	23.8	35.6



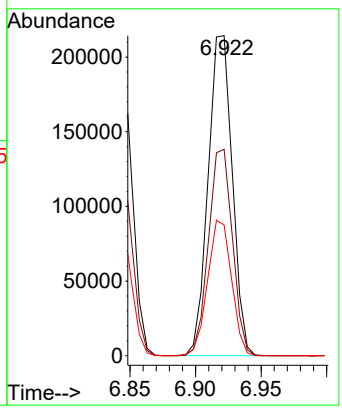


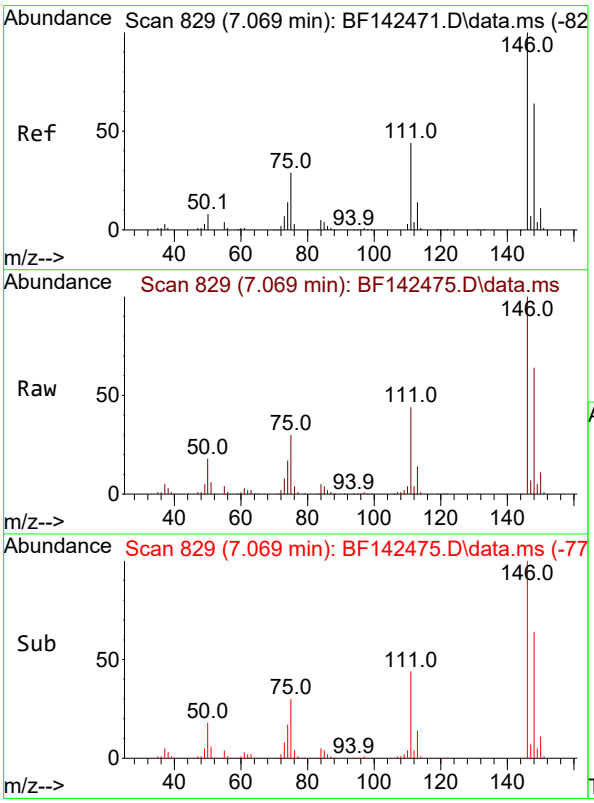
#13
1,4-Dichlorobenzene
Concen: 38.078 ng
RT: 6.922 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:146 Resp: 275076

Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.4	75.6
111	40.9	34.1	51.1

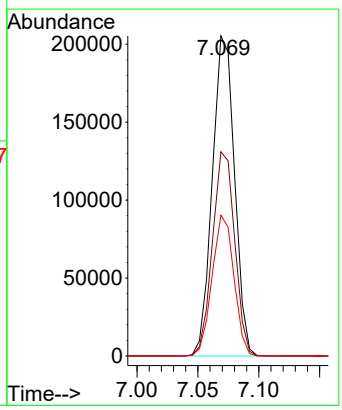


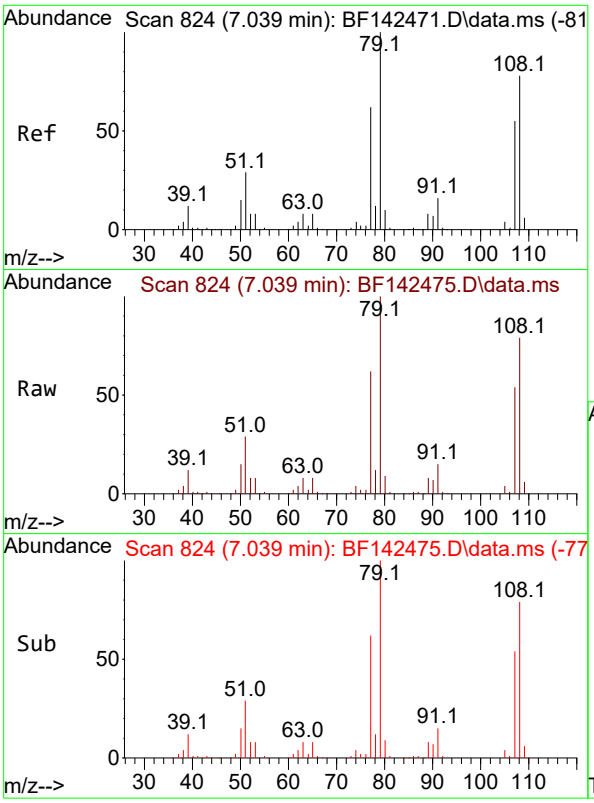


#14
1,2-Dichlorobenzene
Concen: 37.716 ng
RT: 7.069 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:146 Resp: 260709

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.4
111	44.0	35.0	52.6



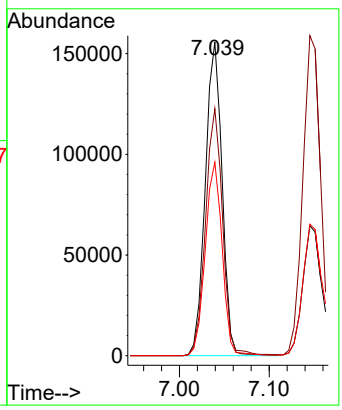


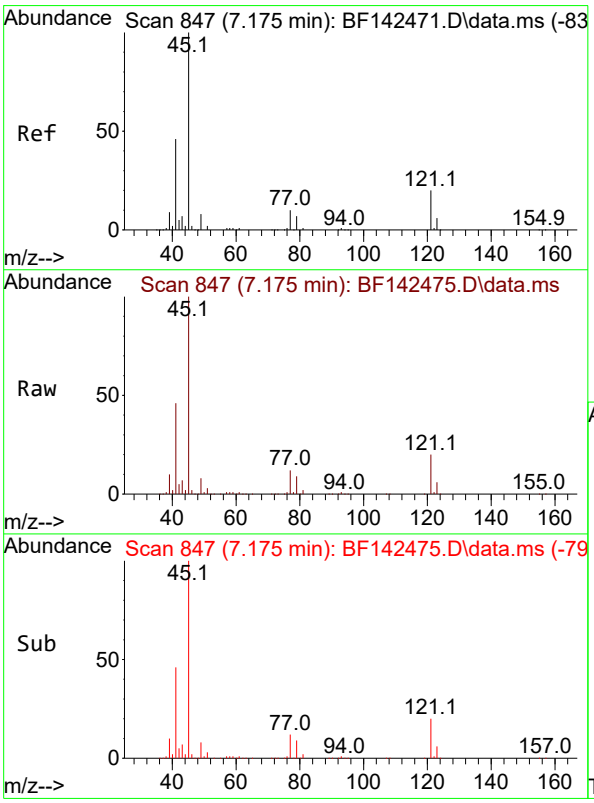
#15
Benzyl Alcohol
Concen: 38.663 ng
RT: 7.039 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion: 79 Resp: 202944

Ion	Ratio	Lower	Upper
79	100		
108	78.8	62.1	93.1
77	61.7	49.5	74.3

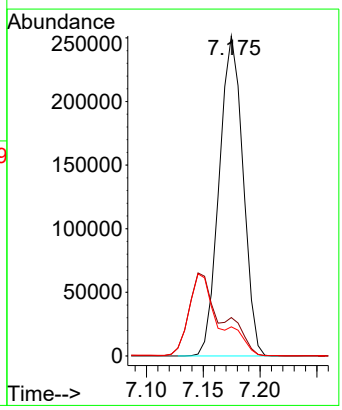


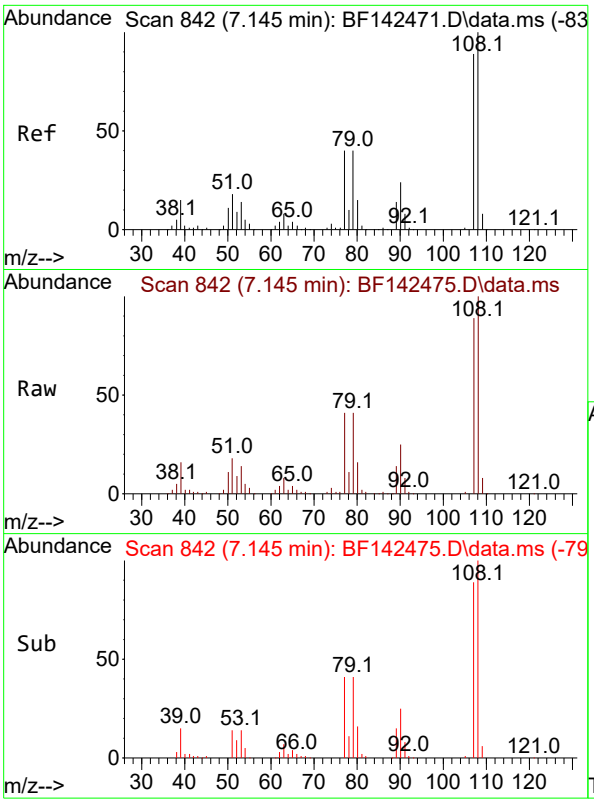


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.927 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion: 45 Resp: 366430

Ion	Ratio	Lower	Upper
45	100		
77	12.0	0.0	32.0
79	9.1	0.0	29.2



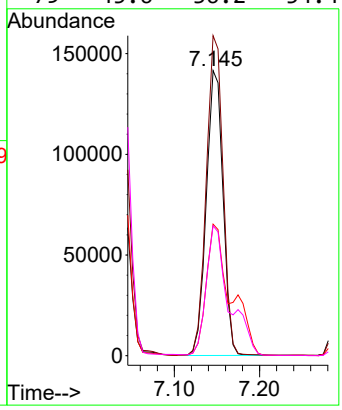


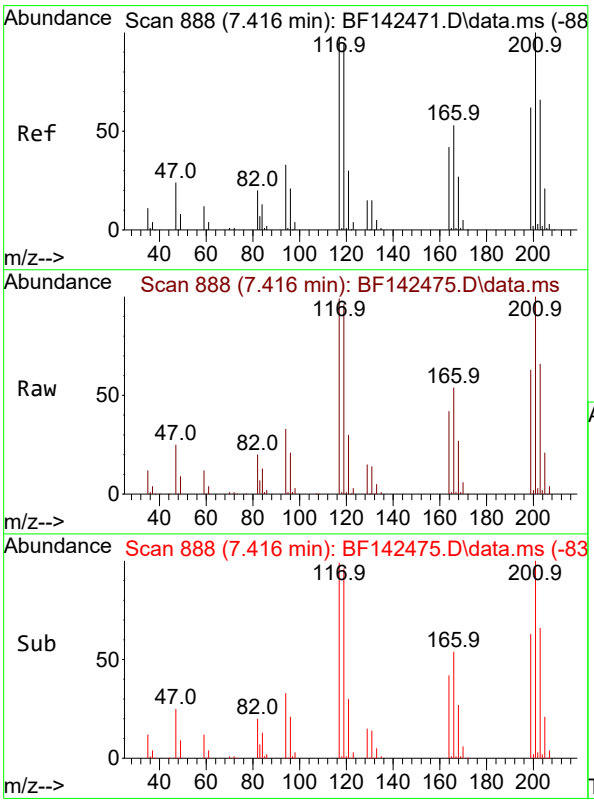
#17
2-Methylphenol
Concen: 38.500 ng
RT: 7.145 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:107 Resp: 193190

Ion	Ratio	Lower	Upper
107	100		
108	112.3	90.2	135.2
77	46.1	36.1	54.1
79	45.6	36.2	54.4

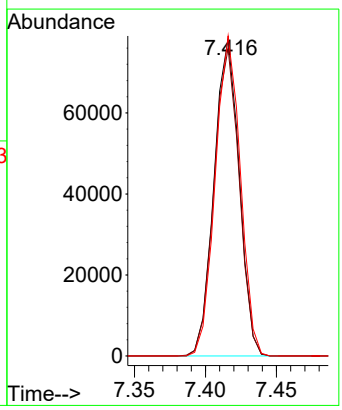


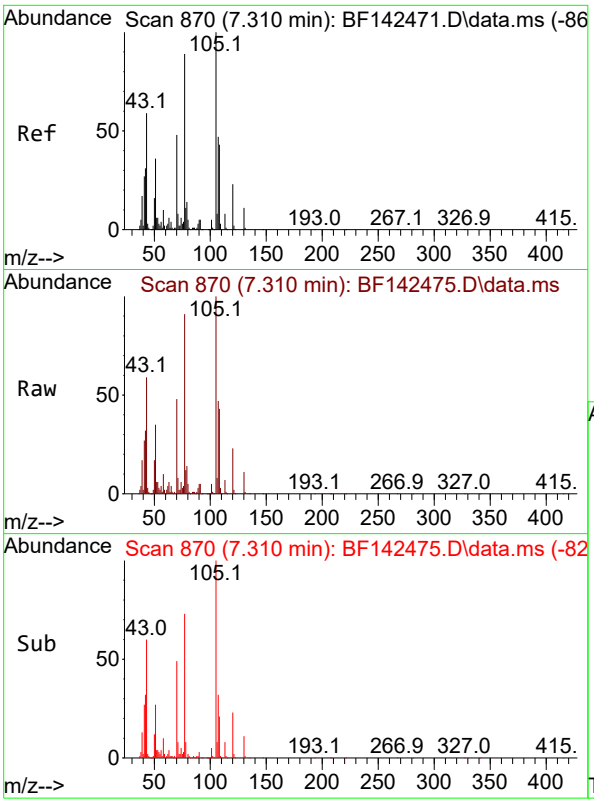


#18
Hexachloroethane
Concen: 38.137 ng
RT: 7.416 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:117 Resp: 96202

Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.6	114.8
201	100.8	81.3	121.9



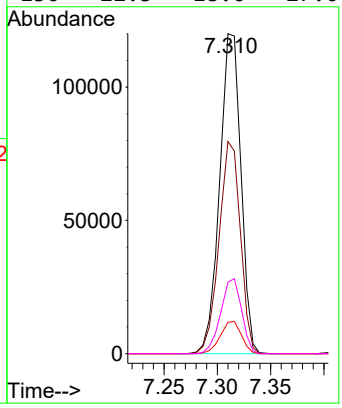


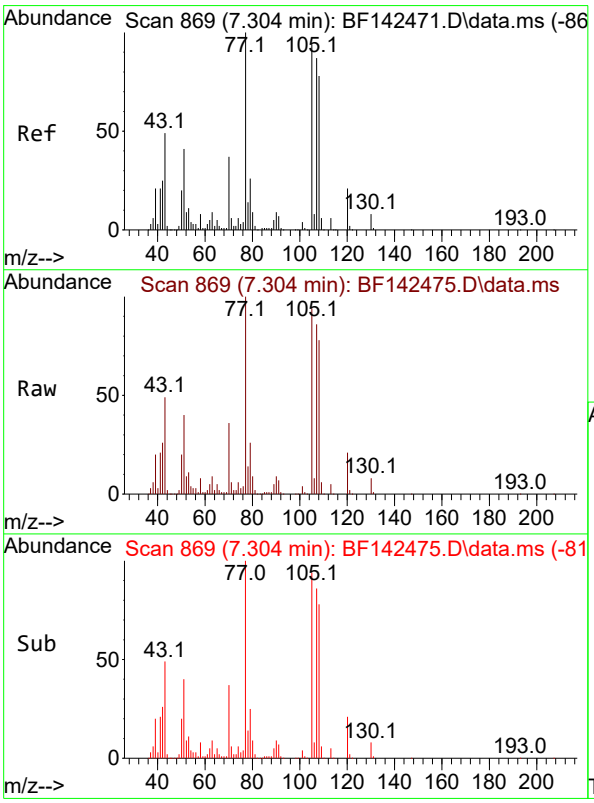
#19
n-Nitroso-di-n-propylamine
Concen: 37.833 ng
RT: 7.310 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion: 70 Resp: 166542

Ion	Ratio	Lower	Upper
70	100		
42	66.3	52.4	78.6
101	9.8	7.8	11.8
130	22.3	18.0	27.0

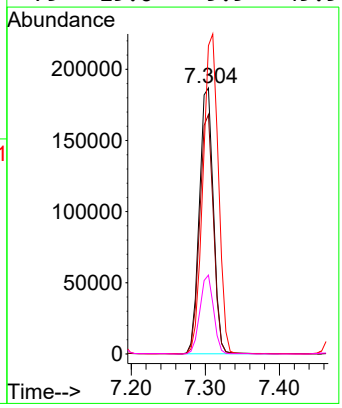


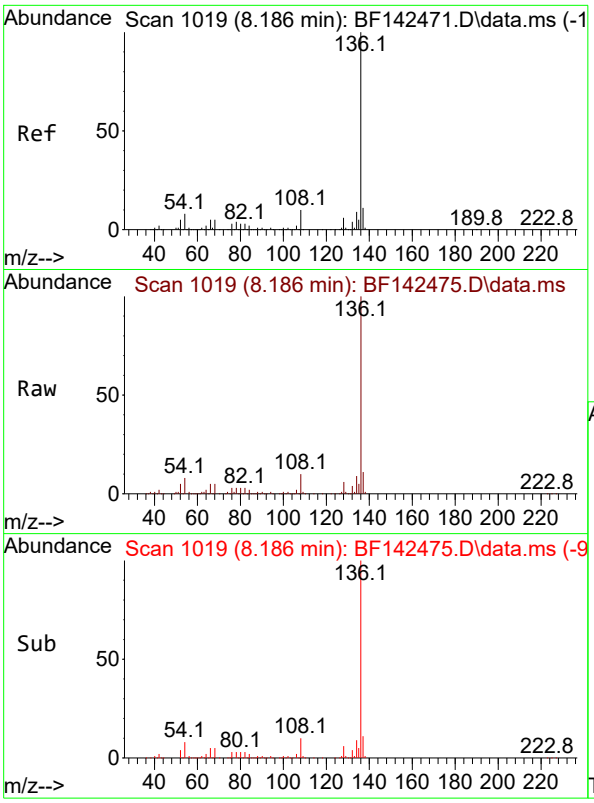


#20
3+4-Methylphenols
Concen: 38.020 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:107 Resp: 244310

Ion	Ratio	Lower	Upper
107	100		
108	90.0	70.4	110.4
77	115.9	95.4	135.4
79	29.6	9.9	49.9



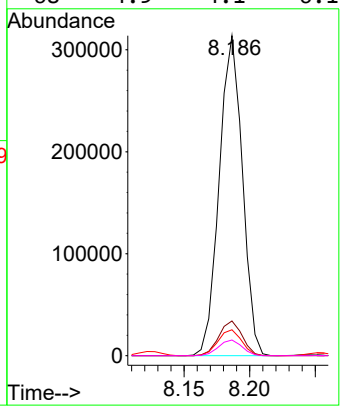


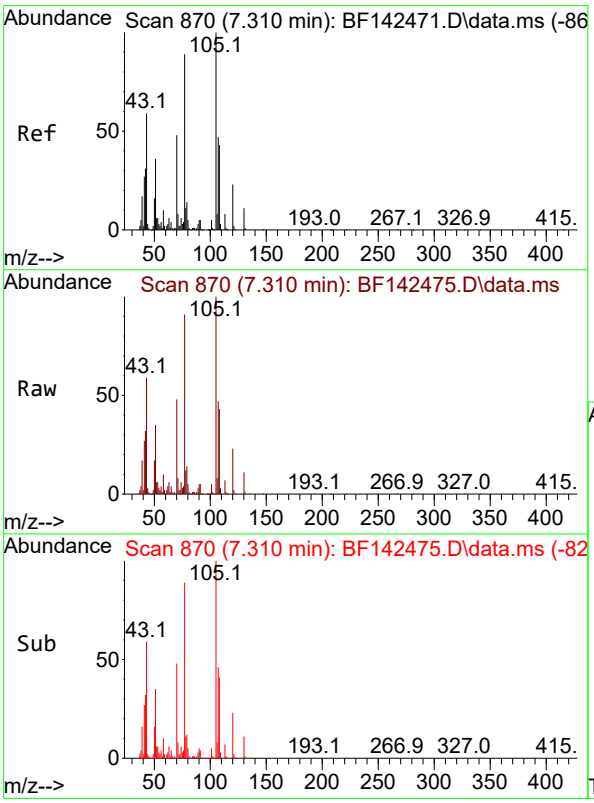
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:136 Resp: 385222

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.1	6.6	10.0
68	4.9	4.1	6.1

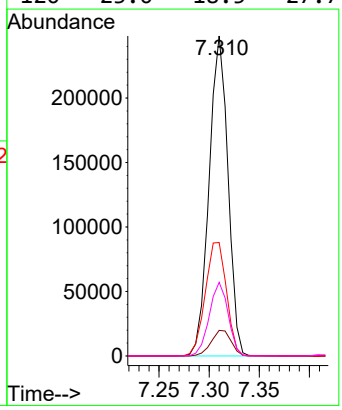


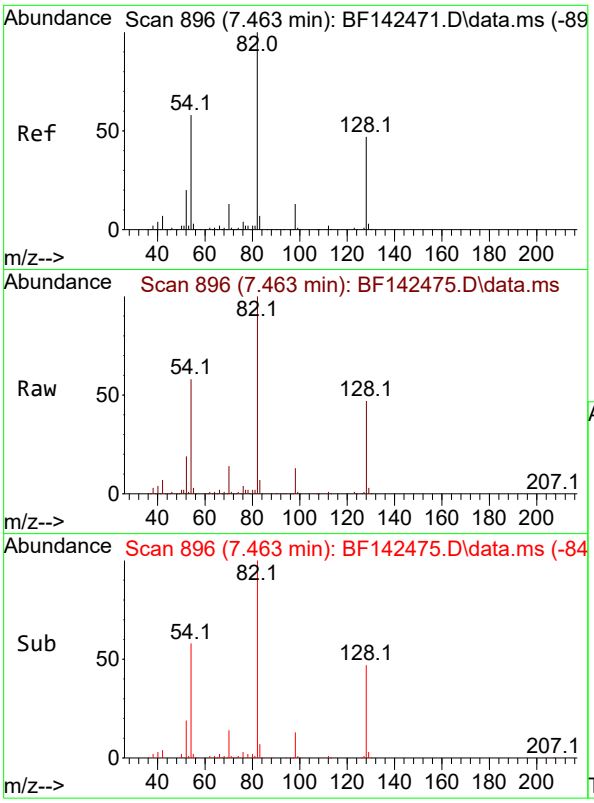


#22
Acetophenone
Concen: 38.118 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:105 Resp: 325056

Ion	Ratio	Lower	Upper
105	100		
71	8.0	6.4	9.6
51	35.4	28.6	42.8
120	23.0	18.5	27.7



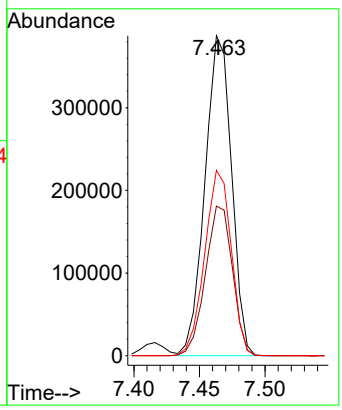


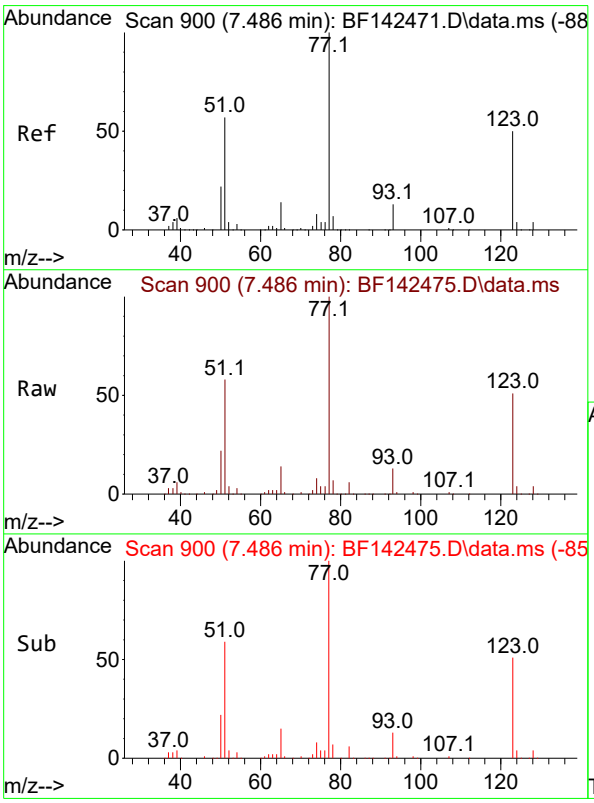
#23
Nitrobenzene-d5
Concen: 77.283 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion: 82 Resp: 545967

Ion	Ratio	Lower	Upper
82	100		
128	46.7	37.4	56.2
54	58.0	46.6	70.0

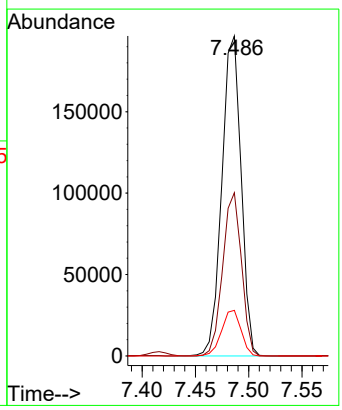


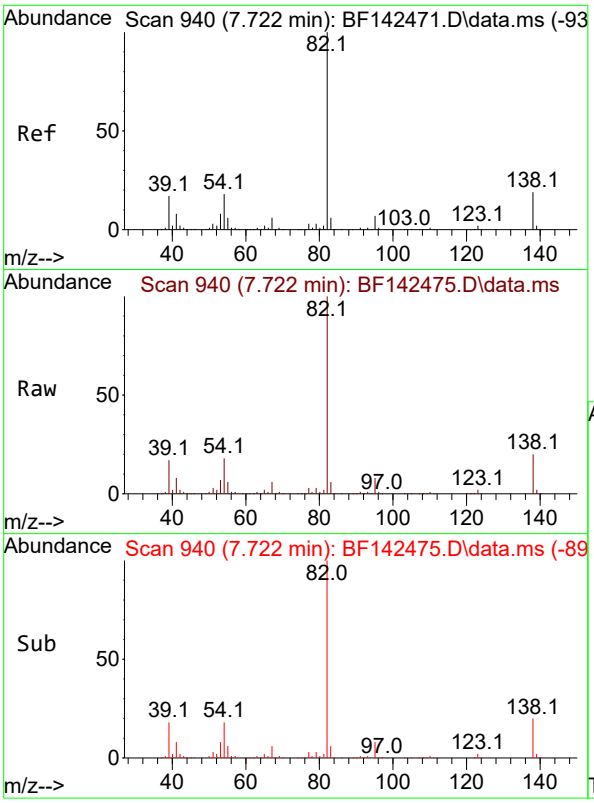


#24
Nitrobenzene
Concen: 38.737 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion: 77 Resp: 246818

Ion	Ratio	Lower	Upper
77	100		
123	51.0	40.6	61.0
65	14.3	11.4	17.2



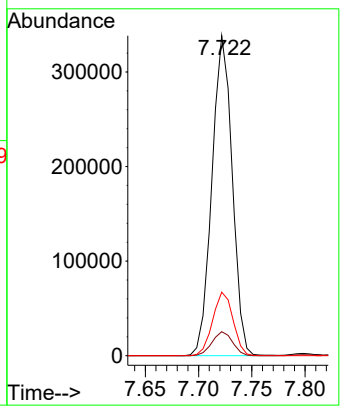


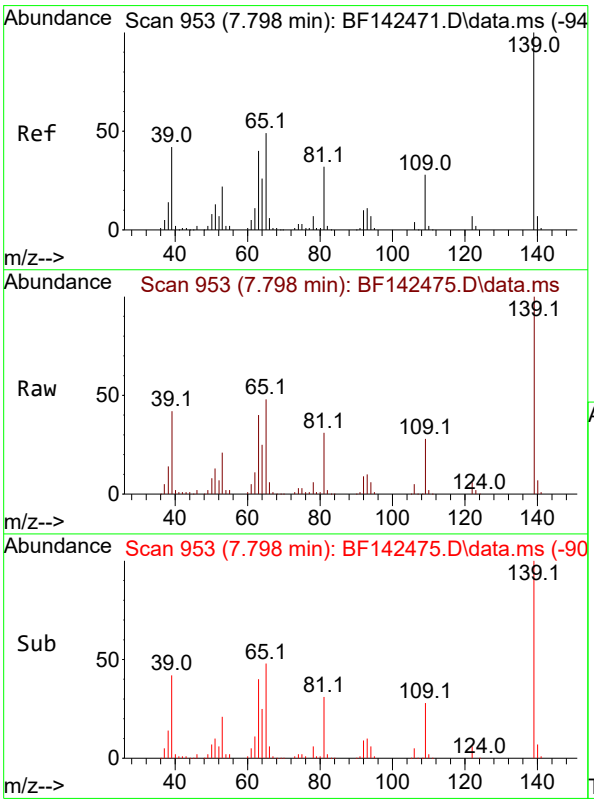
#25
Isophorone
Concen: 37.906 ng
RT: 7.722 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion: 82 Resp: 447723

Ion	Ratio	Lower	Upper
82	100		
95	7.5	6.0	9.0
138	19.9	15.5	23.3

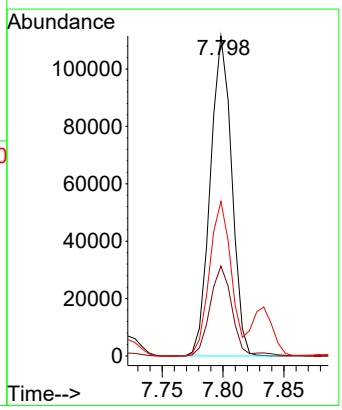


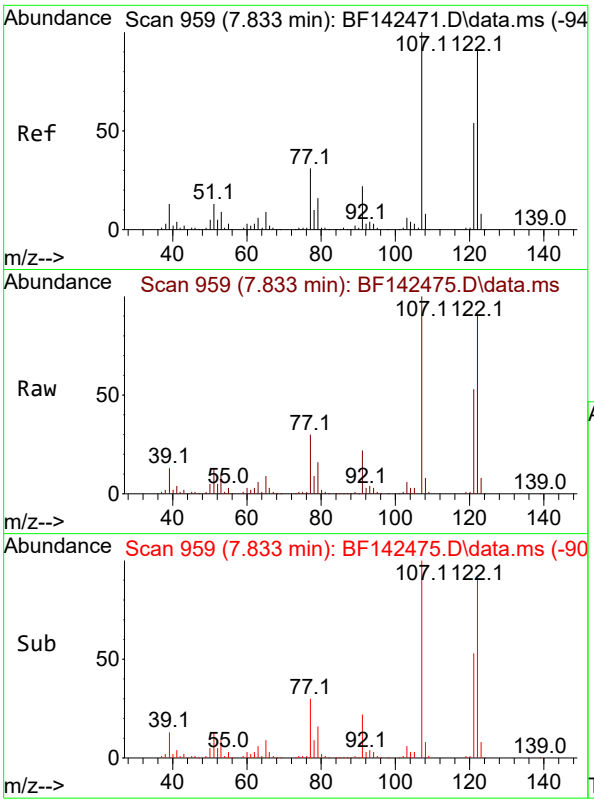


#26
2-Nitrophenol
Concen: 39.958 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:139 Resp: 136039

Ion	Ratio	Lower	Upper
139	100		
109	28.1	22.6	33.8
65	48.3	39.4	59.0



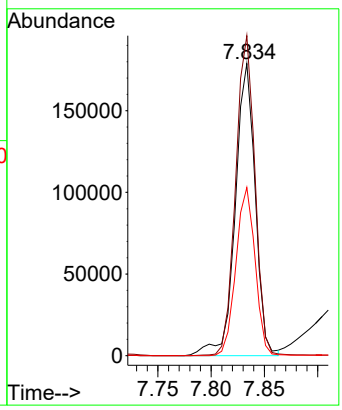


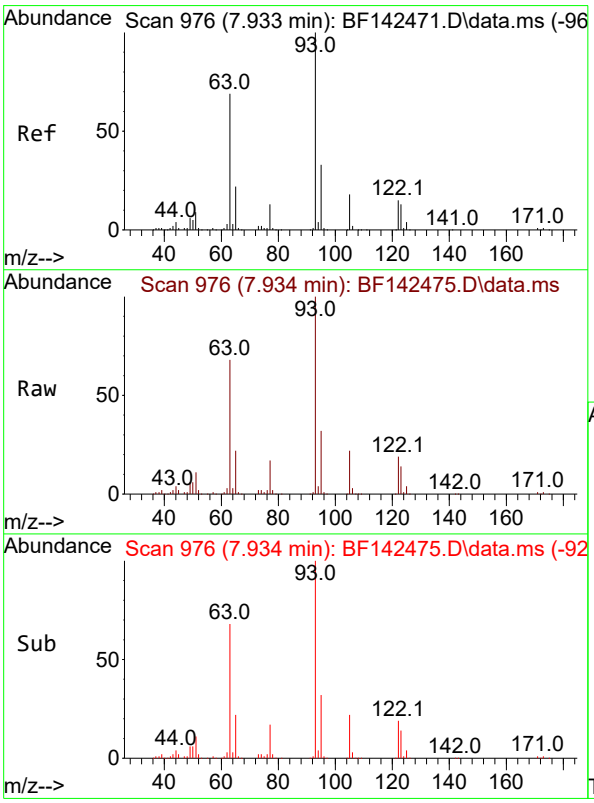
#27
2,4-Dimethylphenol
Concen: 38.953 ng
RT: 7.833 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:122 Resp: 233871

Ion	Ratio	Lower	Upper
122	100		
107	109.5	88.1	132.1
121	57.5	47.3	70.9

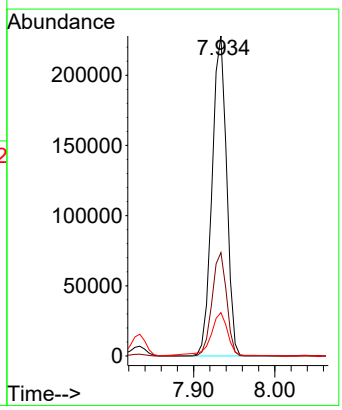


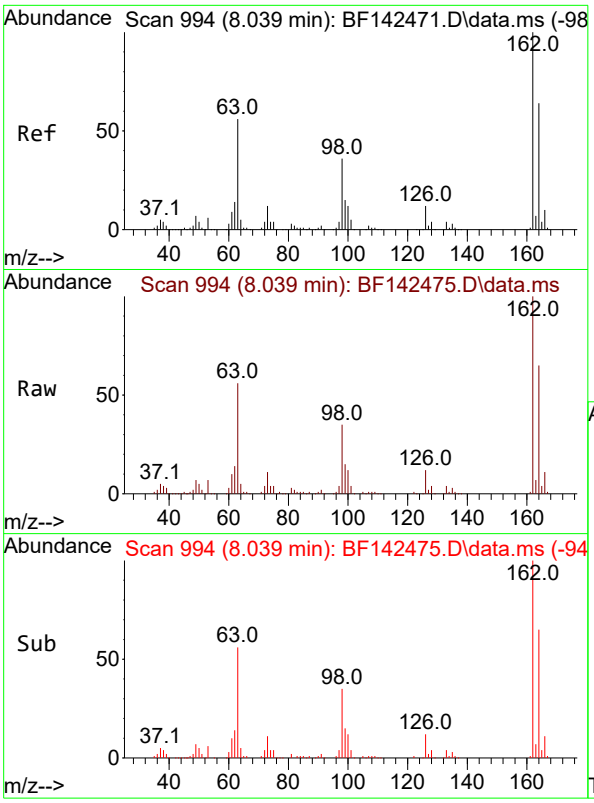


#28
bis(2-Chloroethoxy)methane
Concen: 38.407 ng
RT: 7.934 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion: 93 Resp: 283379

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.4	39.6
123	13.5	10.6	15.8



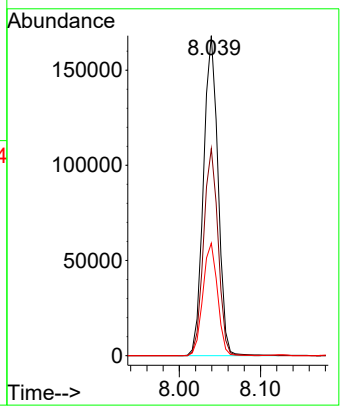


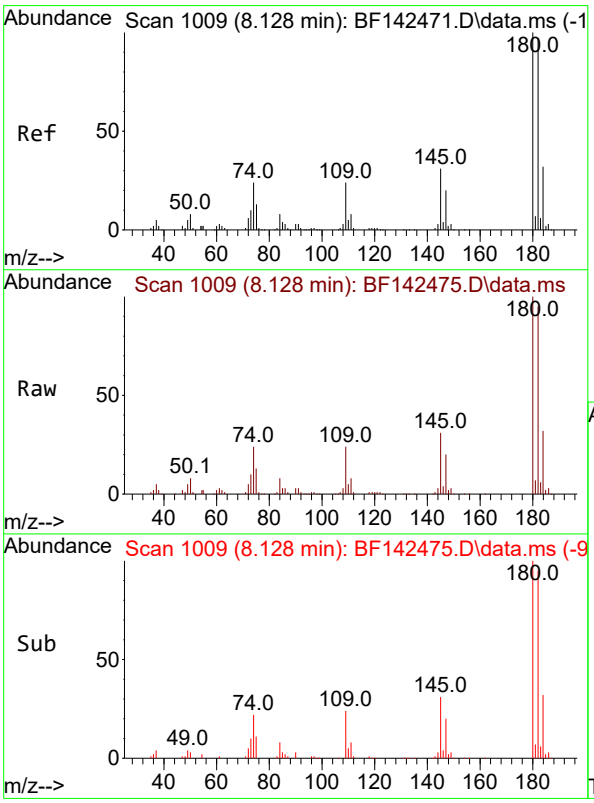
#29
2,4-Dichlorophenol
Concen: 38.285 ng
RT: 8.039 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:162 Resp: 209040

Ion	Ratio	Lower	Upper
162	100		
164	64.7	43.7	83.7
98	35.1	15.5	55.5

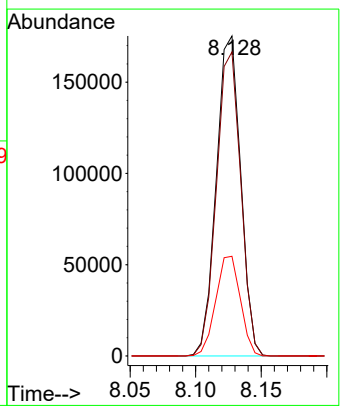


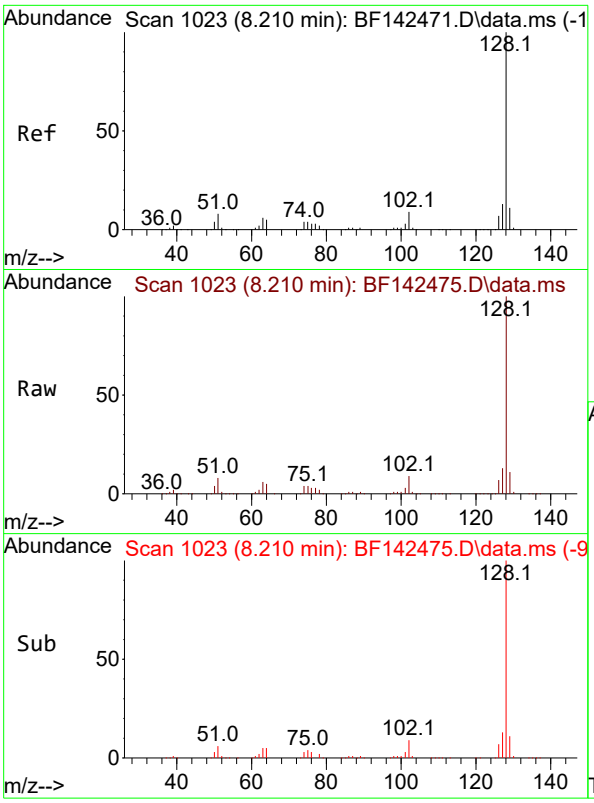


#30
1,2,4-Trichlorobenzene
Concen: 38.187 ng
RT: 8.128 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:180 Resp: 226285

Ion	Ratio	Lower	Upper
180	100		
182	95.0	78.0	117.0
145	31.2	25.0	37.6



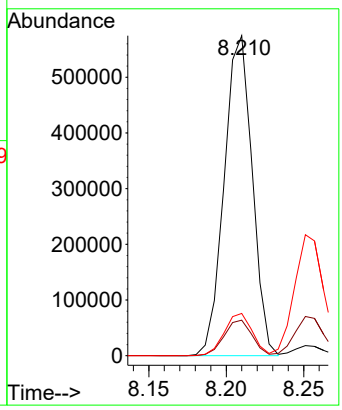


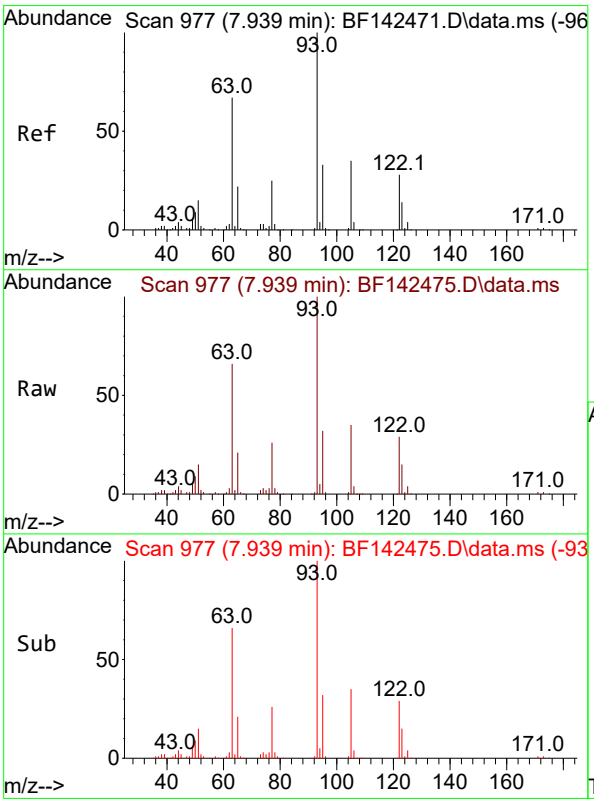
#31
Naphthalene
Concen: 38.112 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:128 Resp: 722913

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.2	10.5	15.7

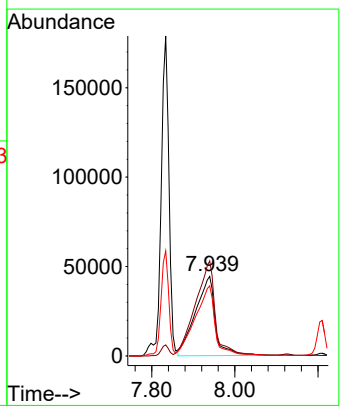


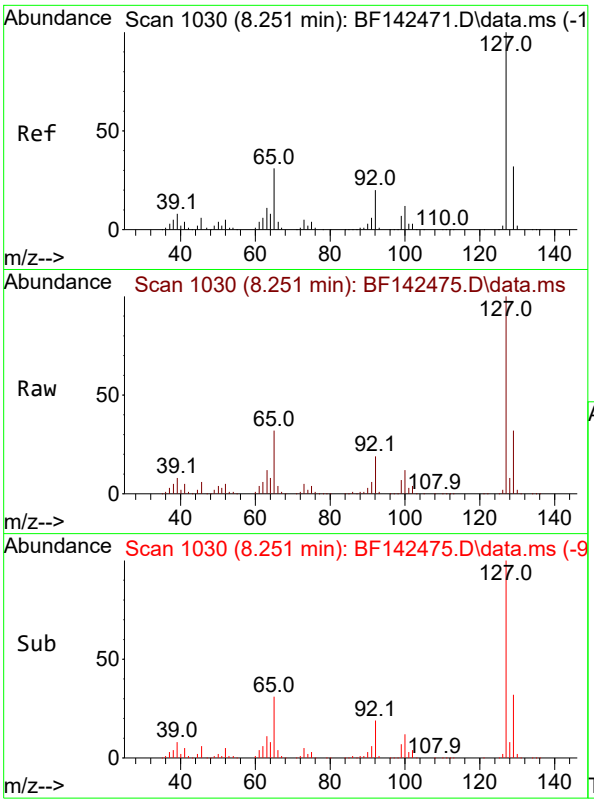


#32
Benzoic acid
Concen: 40.490 ng
RT: 7.939 min Scan# 977
Delta R.T. -0.036 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:122 Resp: 147981

Ion	Ratio	Lower	Upper
122	100		
105	119.5	101.7	141.7
77	88.1	69.5	109.5



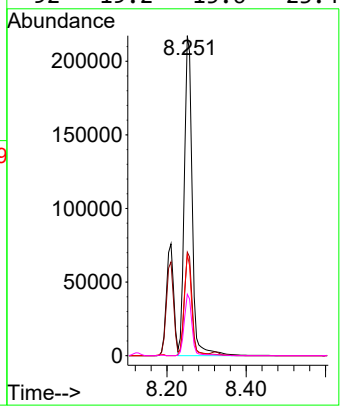


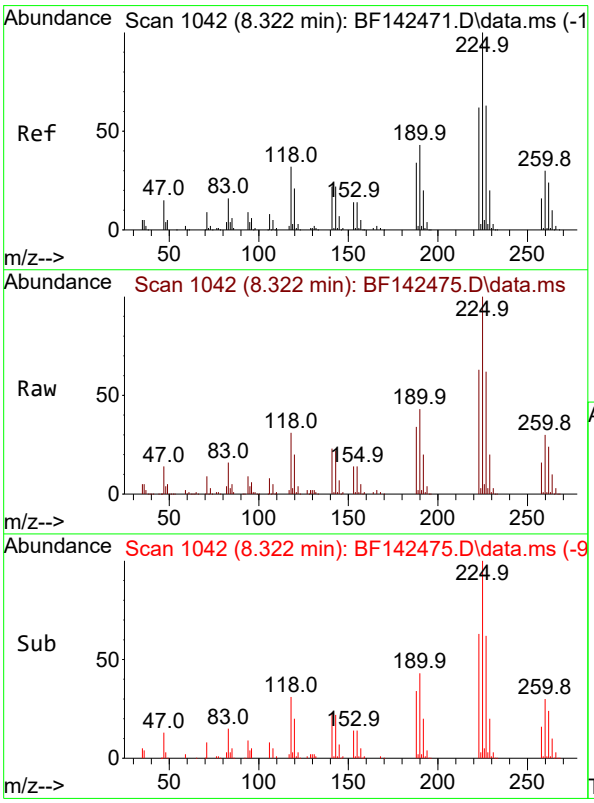
#33
4-Chloroaniline
Concen: 38.962 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:127 Resp: 299462

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.1	39.1
65	31.6	24.9	37.3
92	19.2	15.6	23.4

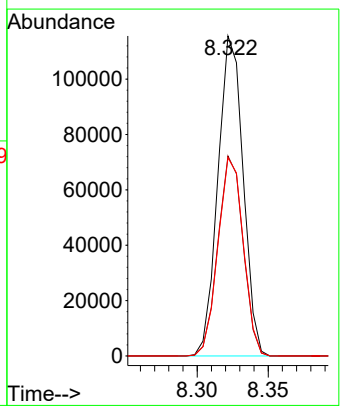


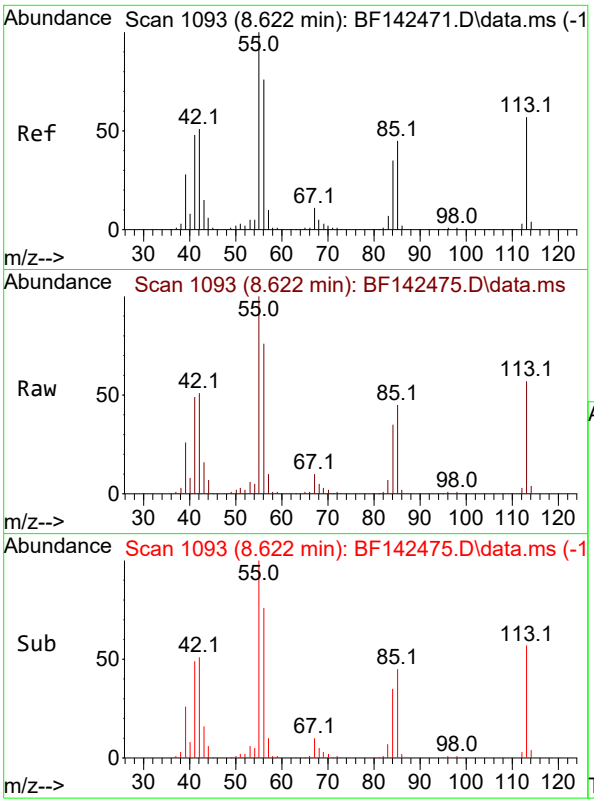


#34
Hexachlorobutadiene
Concen: 38.512 ng
RT: 8.322 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:225 Resp: 142496

Ion	Ratio	Lower	Upper
225	100		
223	62.5	49.7	74.5
227	62.0	50.3	75.5



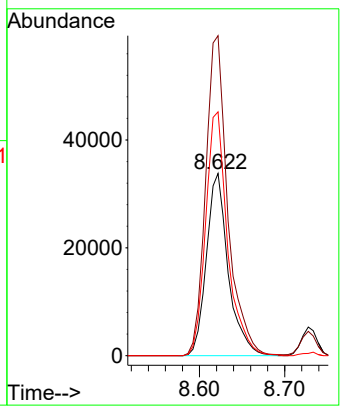


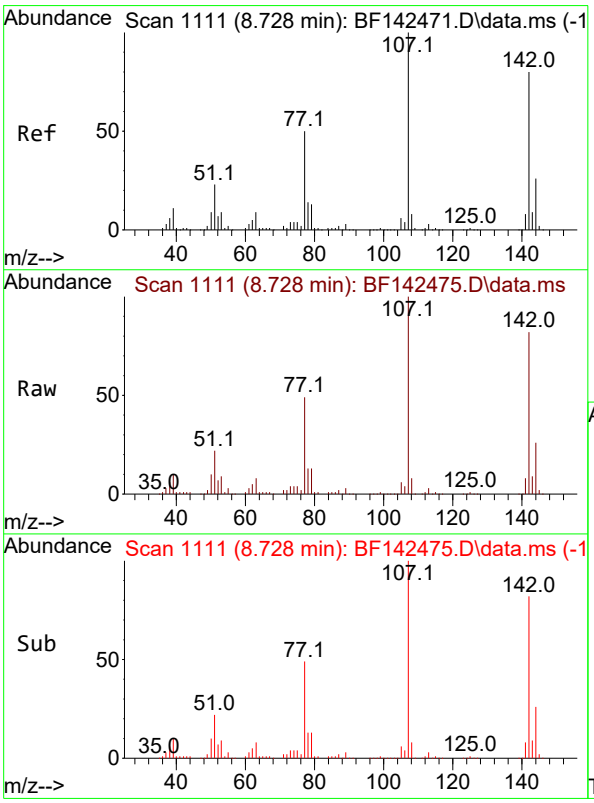
#35
Caprolactam
Concen: 39.162 ng
RT: 8.622 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:113 Resp: 60055

Ion	Ratio	Lower	Upper
113	100		
55	175.7	154.7	194.7
56	133.9	113.2	153.2

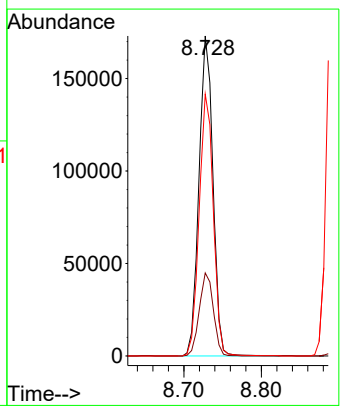


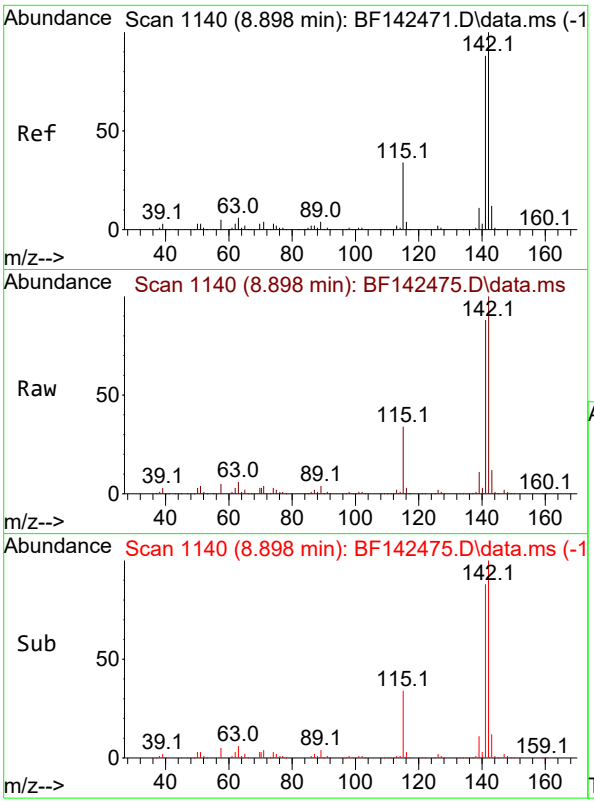


#36
4-Chloro-3-methylphenol
Concen: 38.654 ng
RT: 8.728 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:107 Resp: 216299

Ion	Ratio	Lower	Upper
107	100		
144	25.9	20.9	31.3
142	81.8	64.2	96.2



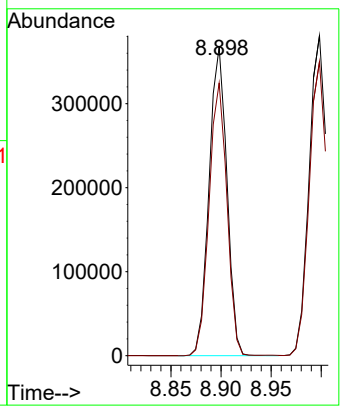


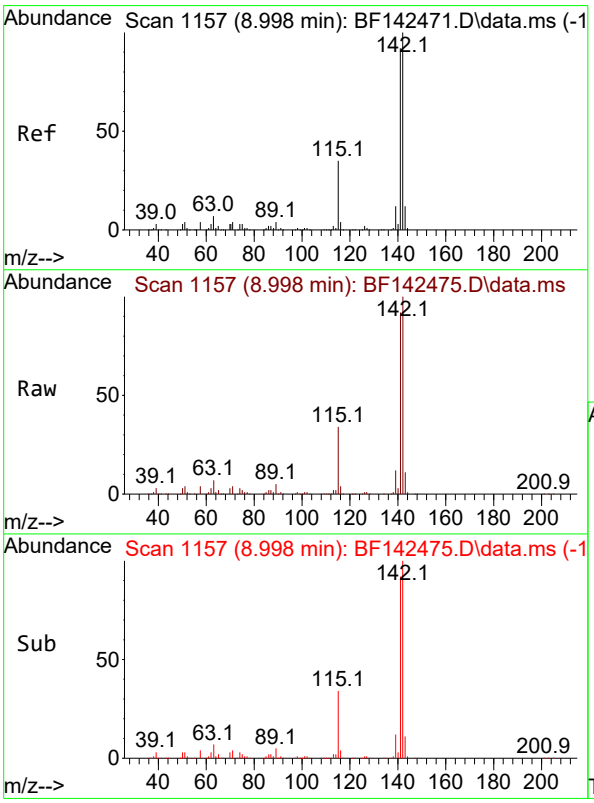
#37
2-Methylnaphthalene
Concen: 38.062 ng
RT: 8.898 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:142 Resp: 454200

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.7	106.1

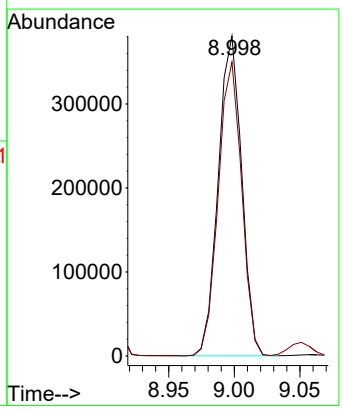


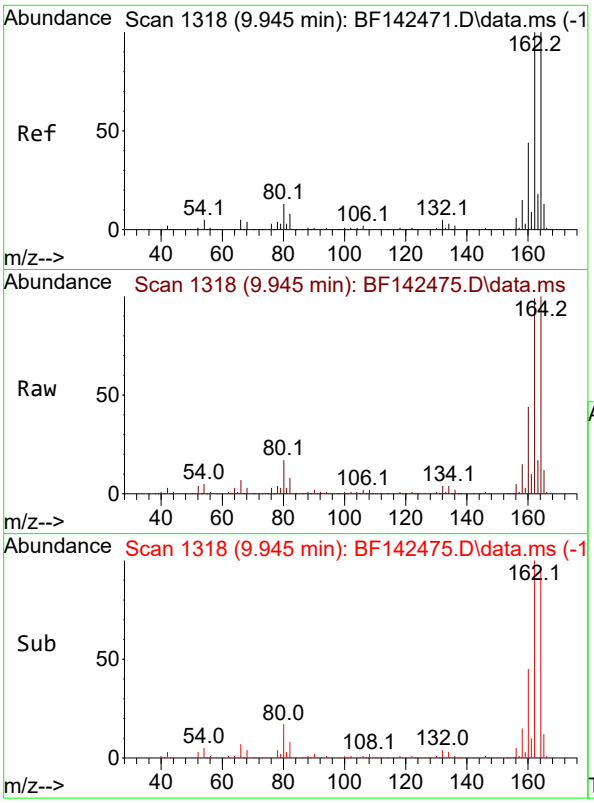


#38
1-Methylnaphthalene
Concen: 38.229 ng
RT: 8.998 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:142 Resp: 471880

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.4	110.2



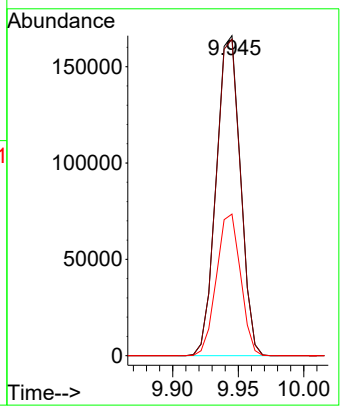


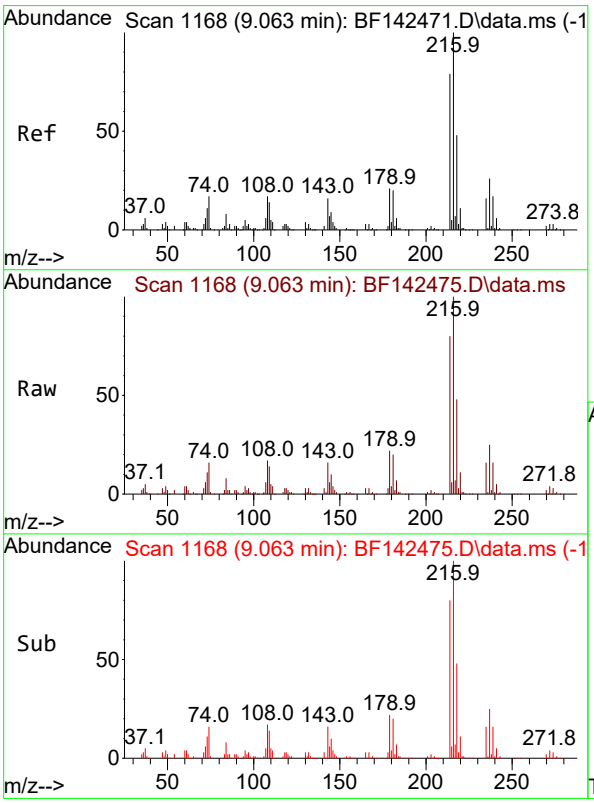
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:164 Resp: 213164

Ion	Ratio	Lower	Upper
164	100		
162	98.9	80.2	120.4
160	44.3	35.6	53.4

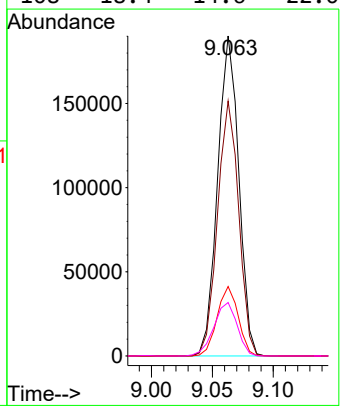


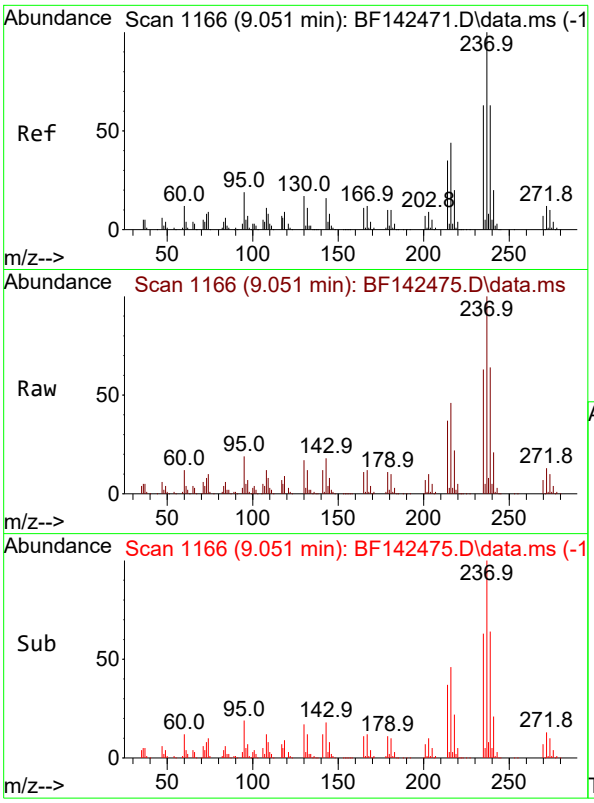


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.508 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:216 Resp: 229514

Ion	Ratio	Lower	Upper
216	100		
214	79.6	62.9	94.3
179	21.6	16.9	25.3
108	18.4	14.6	22.0



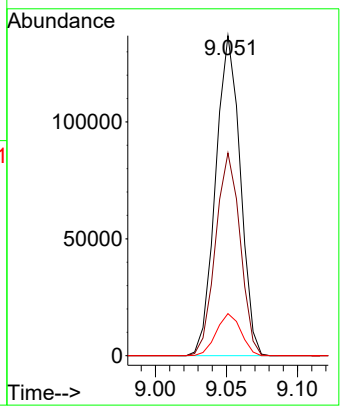


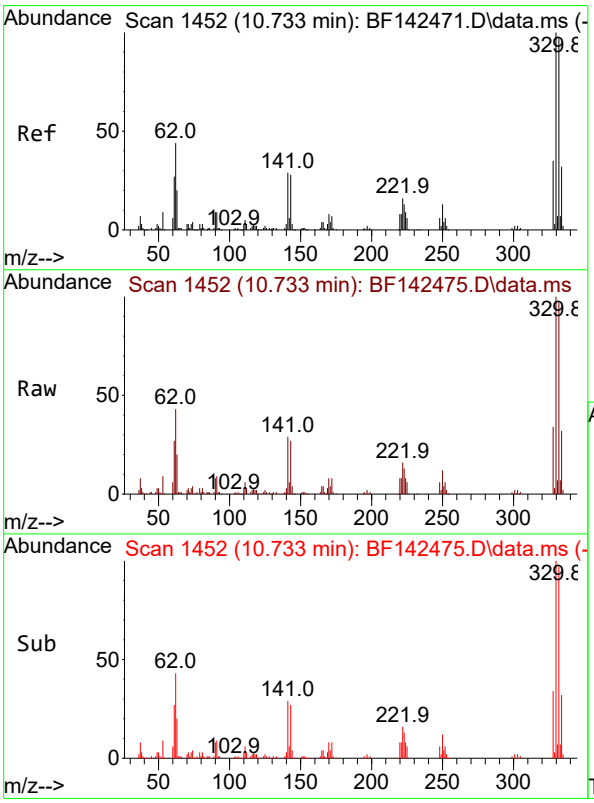
#41
Hexachlorocyclopentadiene
Concen: 39.991 ng
RT: 9.051 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:237 Resp: 165077

Ion	Ratio	Lower	Upper
237	100		
235	63.4	43.3	83.3
272	13.1	0.0	32.4

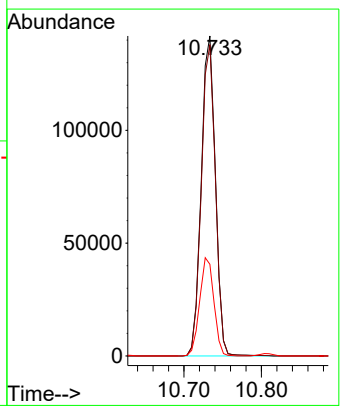


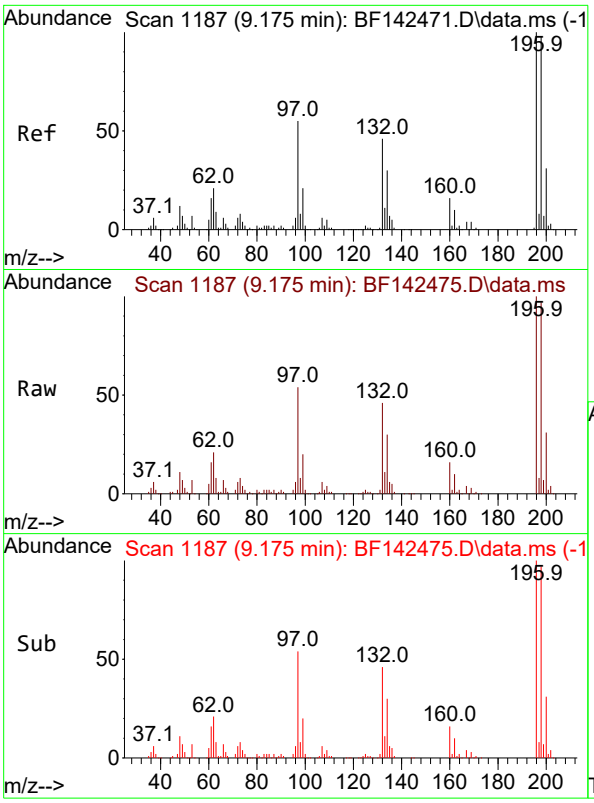


#42
2,4,6-Tribromophenol
Concen: 75.790 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:330 Resp: 179309

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.6	116.4
141	31.0	24.6	36.8



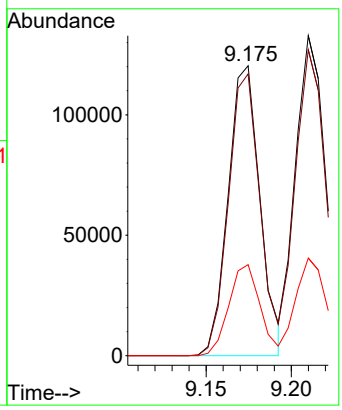


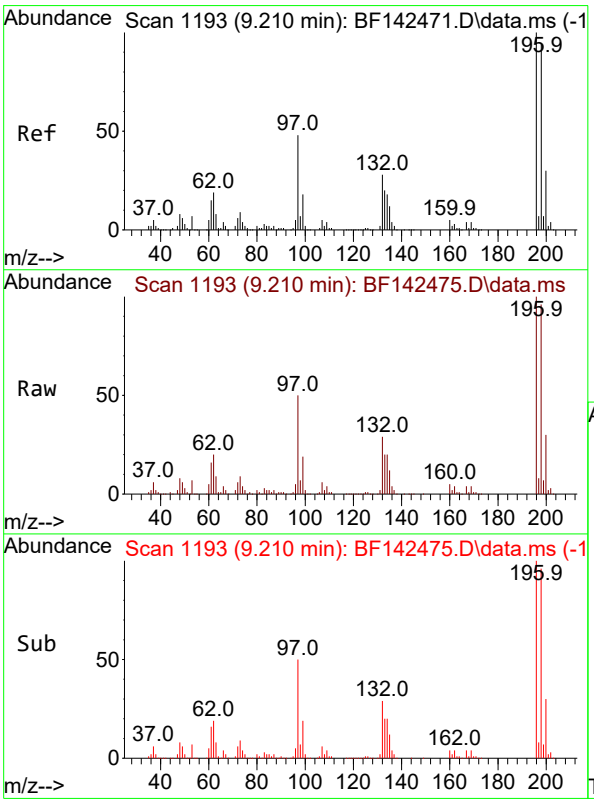
#43
2,4,6-Trichlorophenol
Concen: 37.954 ng
RT: 9.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:196 Resp: 156603

Ion	Ratio	Lower	Upper
196	100		
198	97.1	78.8	118.2
200	31.4	24.9	37.3

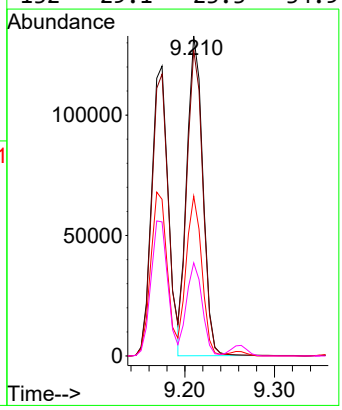


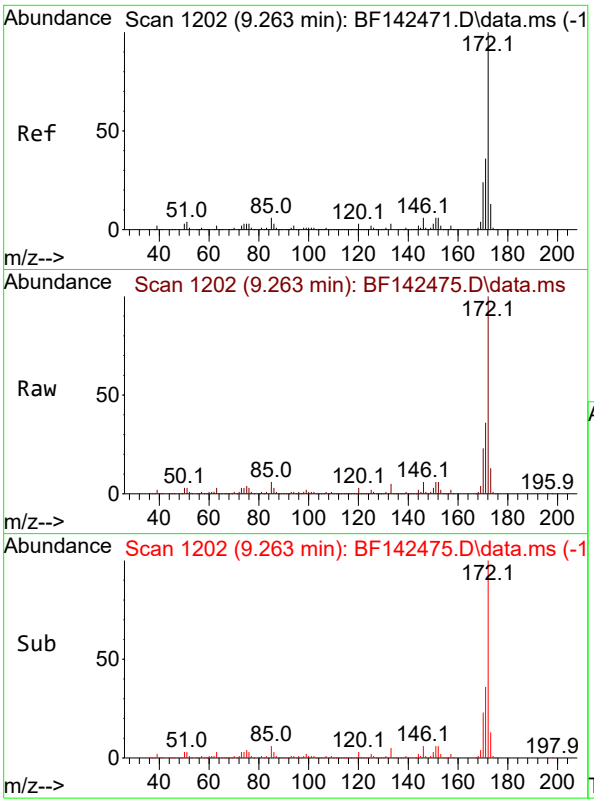


#44
2,4,5-Trichlorophenol
Concen: 37.766 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:196 Resp: 164342

Ion	Ratio	Lower	Upper
196	100		
198	95.6	75.5	113.3
97	49.9	39.3	58.9
132	29.1	23.3	34.9



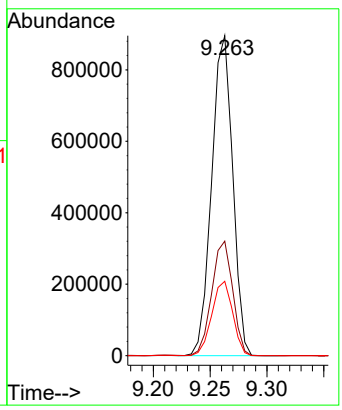


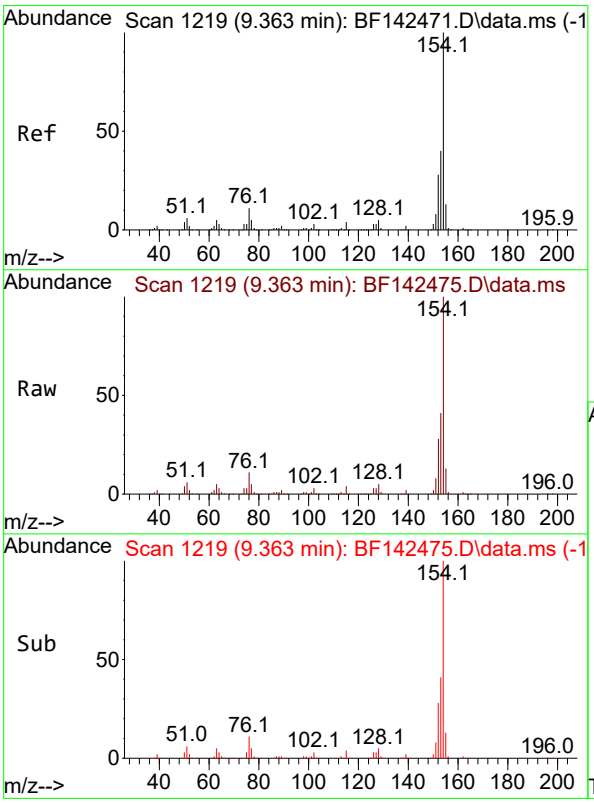
#45
2-Fluorobiphenyl
Concen: 72.557 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:172 Resp: 1152622

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	42.8
170	23.3	18.9	28.3

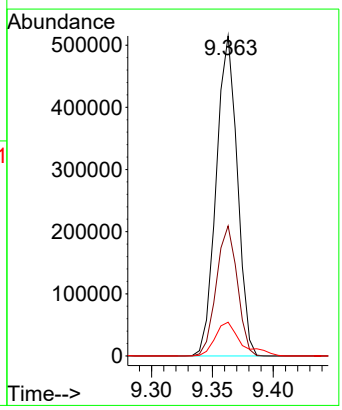


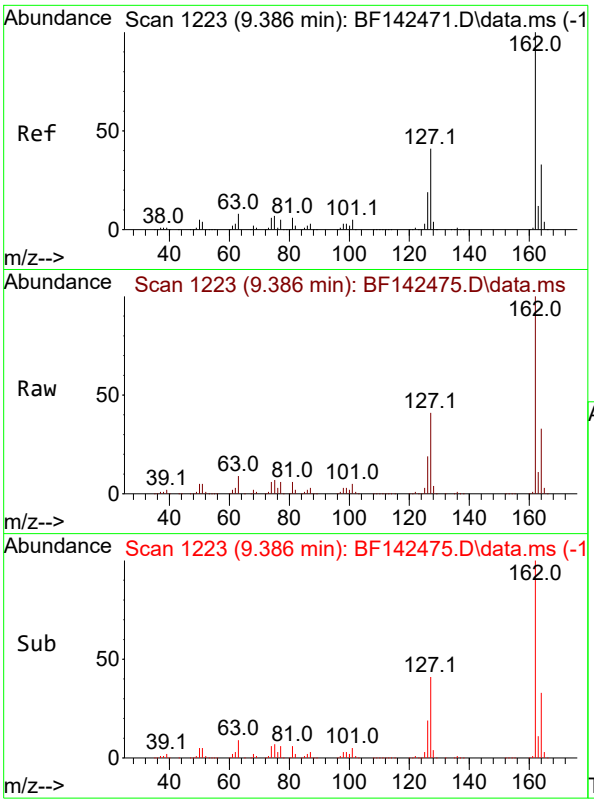


#46
1,1'-Biphenyl
Concen: 37.487 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:154 Resp: 619947

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.4	60.4
76	10.6	0.0	30.8



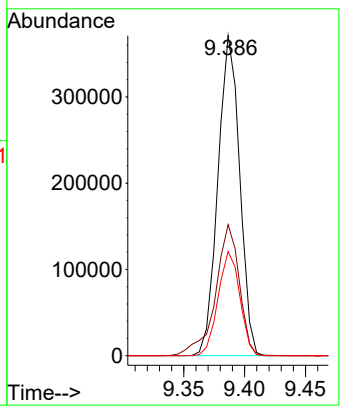


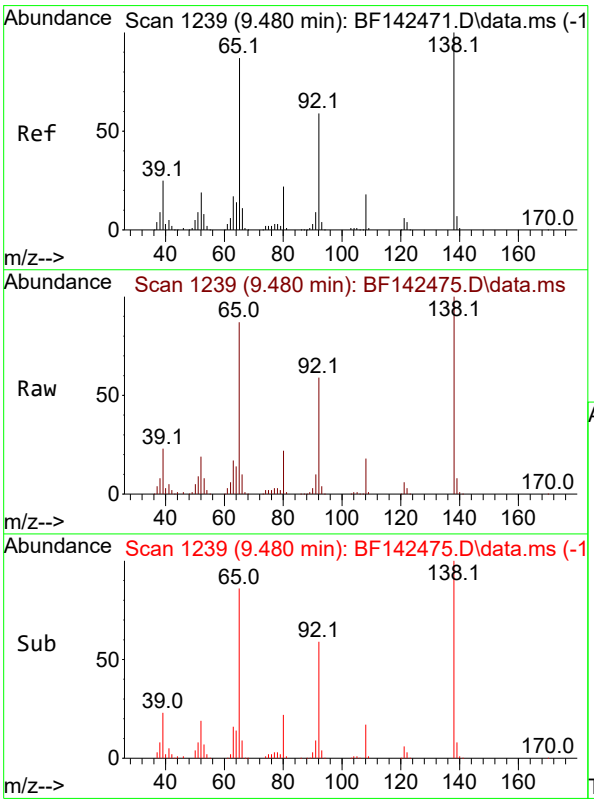
#47
2-Chloronaphthalene
Concen: 37.763 ng
RT: 9.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:162 Resp: 461414

Ion	Ratio	Lower	Upper
162	100		
127	40.9	33.5	50.3
164	32.5	26.1	39.1

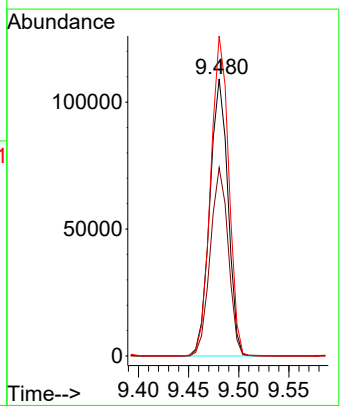


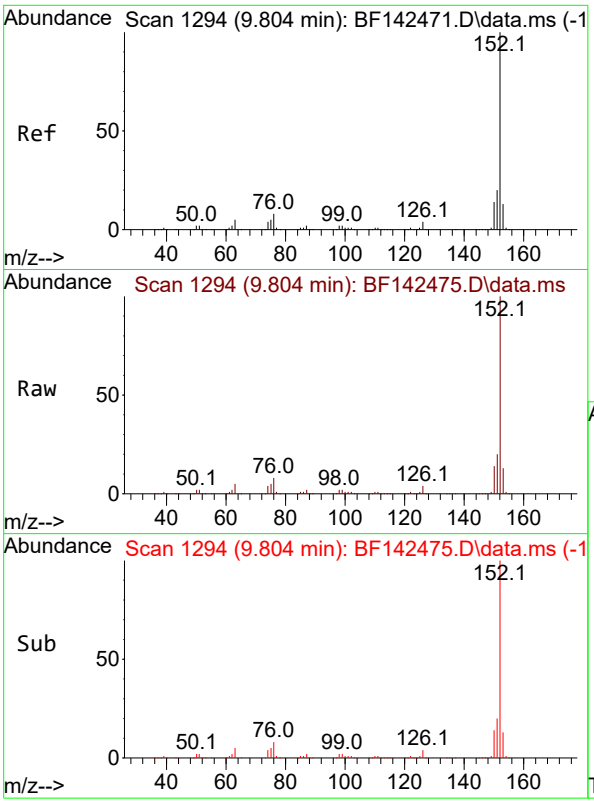


#48
2-Nitroaniline
Concen: 38.867 ng
RT: 9.480 min Scan# 1239
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion: 65 Resp: 137268

Ion	Ratio	Lower	Upper
65	100		
92	68.0	54.4	81.6
138	115.5	91.4	137.2



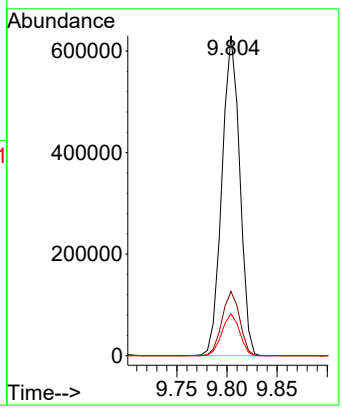


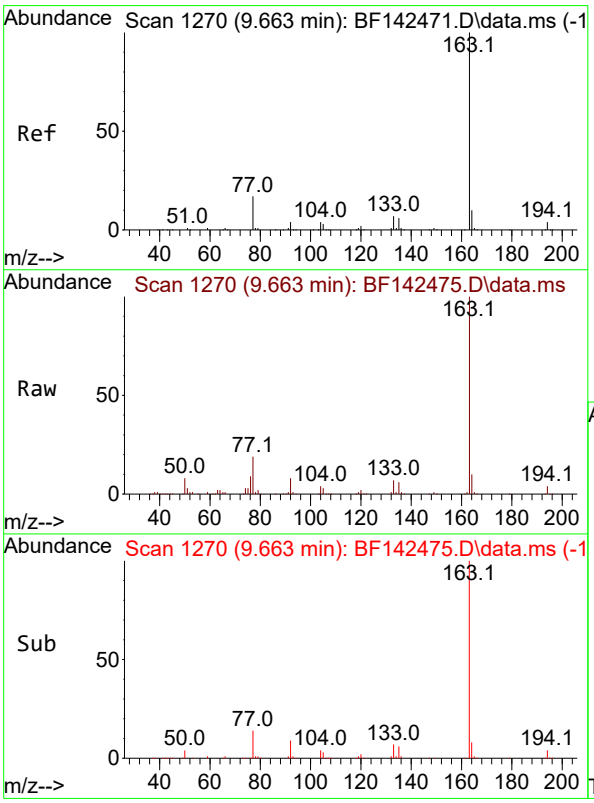
#49
Acenaphthylene
Concen: 37.630 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:152 Resp: 776377

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.8
153	13.0	10.6	15.8

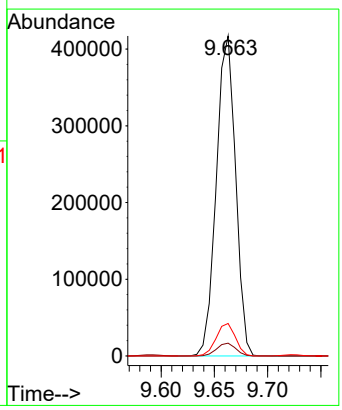


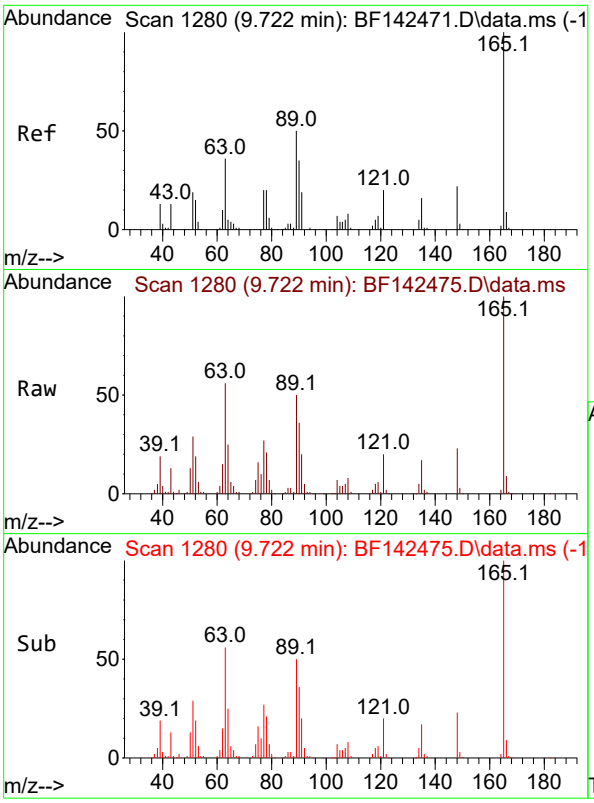


#50
Dimethylphthalate
Concen: 37.184 ng
RT: 9.663 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:163 Resp: 523004

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.2	8.2	12.4



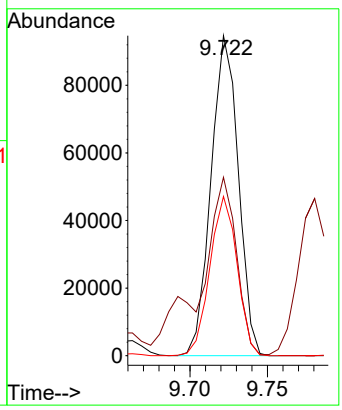


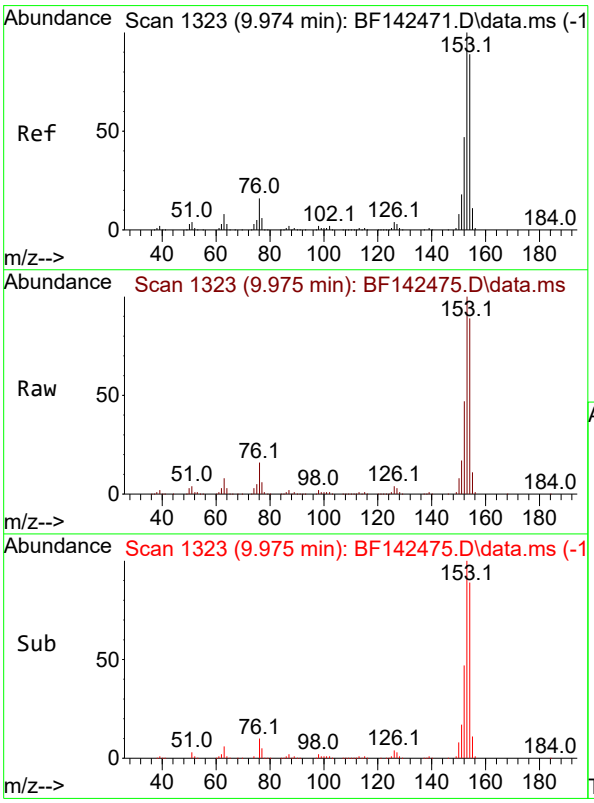
#51
2,6-Dinitrotoluene
Concen: 38.191 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:165 Resp: 115938

Ion	Ratio	Lower	Upper
165	100		
63	55.8	42.9	64.3
89	49.8	40.2	60.4

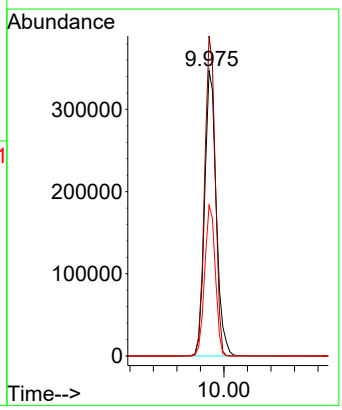


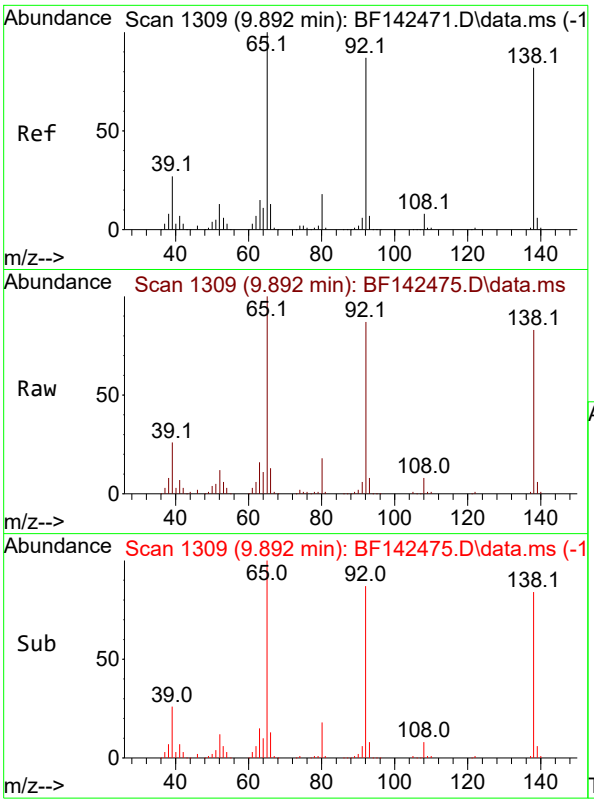


#52
Acenaphthene
Concen: 37.877 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.005 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:154 Resp: 477197

Ion	Ratio	Lower	Upper
154	100		
153	112.2	90.0	135.0
152	52.8	42.6	64.0



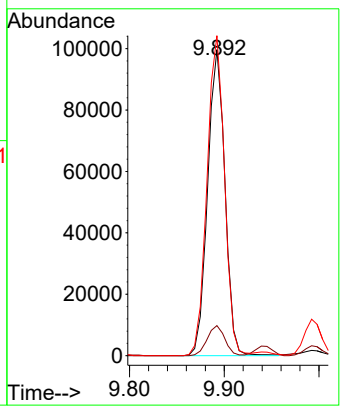


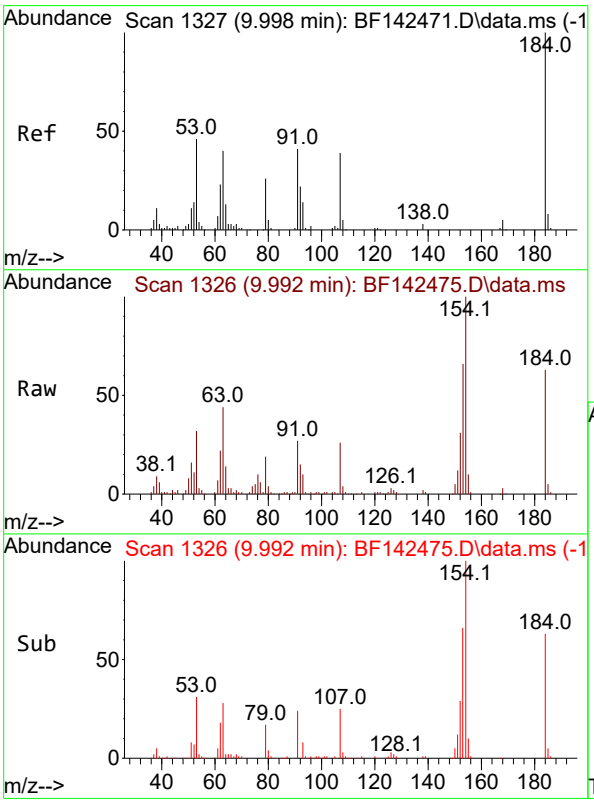
#53
3-Nitroaniline
Concen: 38.246 ng
RT: 9.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:138 Resp: 126814

Ion	Ratio	Lower	Upper
138	100		
108	9.9	8.1	12.1
92	104.6	85.2	127.8

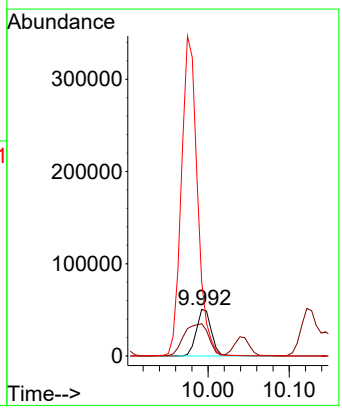


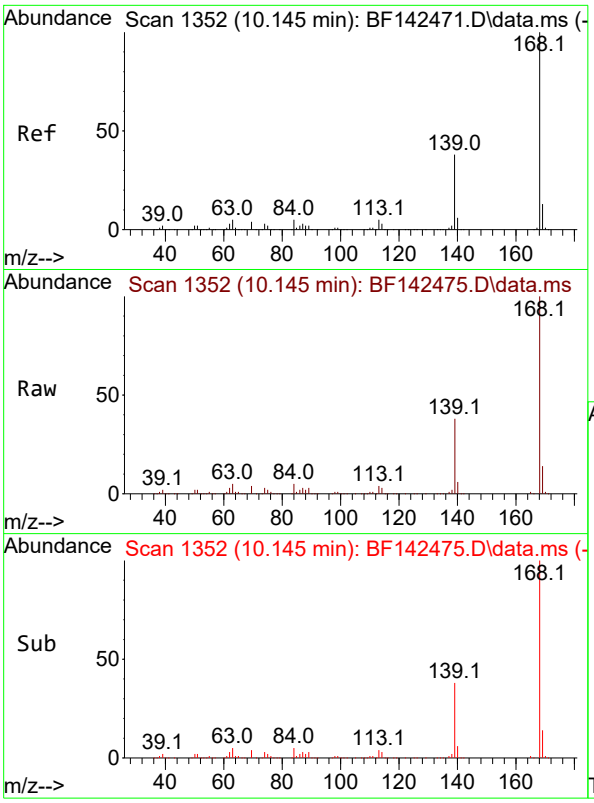


#54
2,4-Dinitrophenol
Concen: 41.481 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:184 Resp: 65057

Ion	Ratio	Lower	Upper
184	100		
63	69.3	46.3	69.5
154	158.8	56.8	85.2#



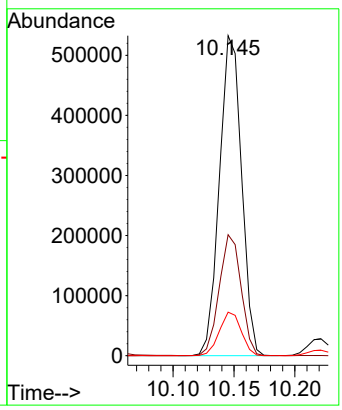


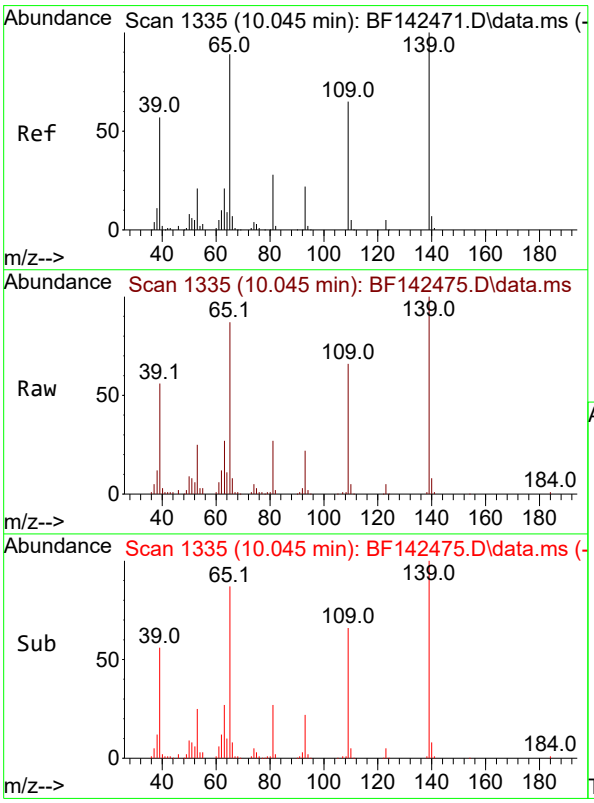
#55
Dibenzofuran
Concen: 37.170 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:168 Resp: 673871

Ion	Ratio	Lower	Upper
168	100		
139	37.8	30.2	45.2
169	13.6	10.7	16.1

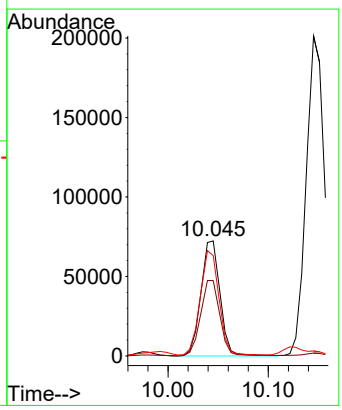


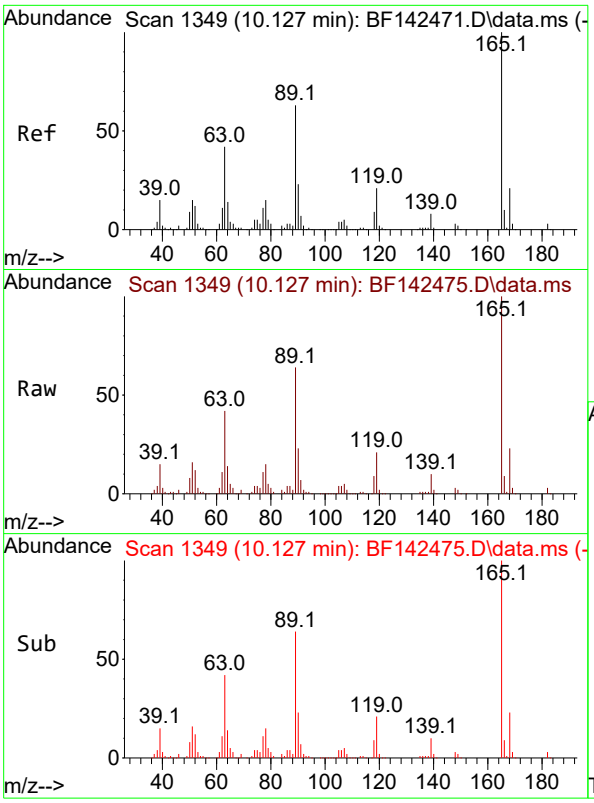


#56
4-Nitrophenol
Concen: 39.320 ng
RT: 10.045 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:139 Resp: 96197

Ion	Ratio	Lower	Upper
139	100		
109	65.6	45.1	85.1
65	87.3	69.7	109.7



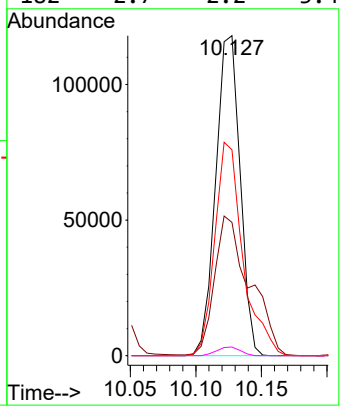


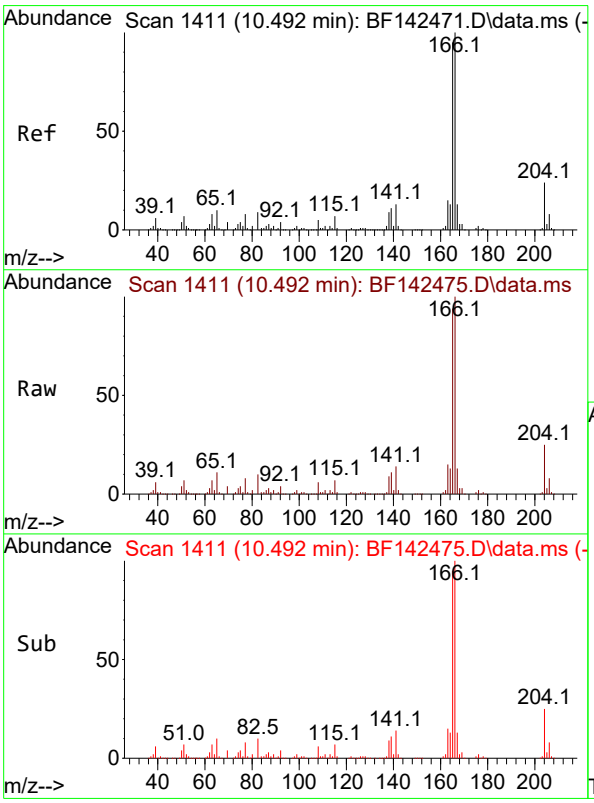
#57
2,4-Dinitrotoluene
Concen: 38.463 ng
RT: 10.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:165 Resp: 152488

Ion	Ratio	Lower	Upper
165	100		
63	41.6	33.6	50.4
89	64.4	50.2	75.4
182	2.7	2.2	3.4

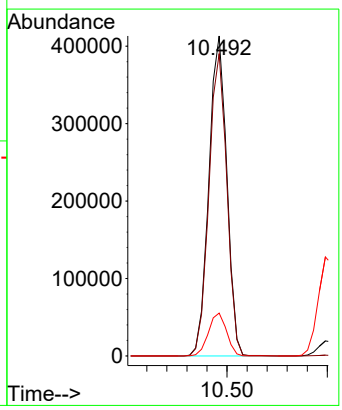


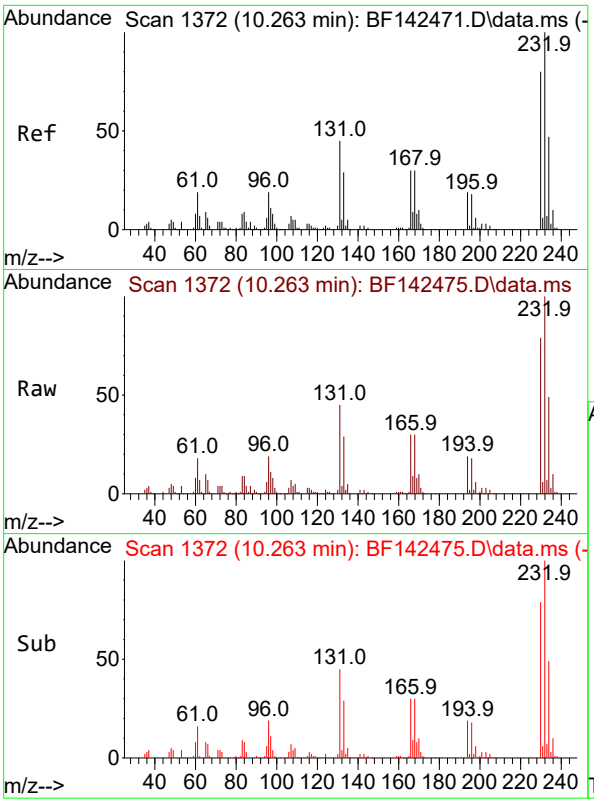


#58
Fluorene
Concen: 36.662 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:166 Resp: 513487

Ion	Ratio	Lower	Upper
166	100		
165	94.5	75.8	113.8
167	13.4	10.6	16.0



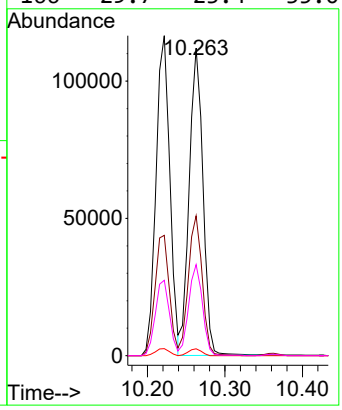


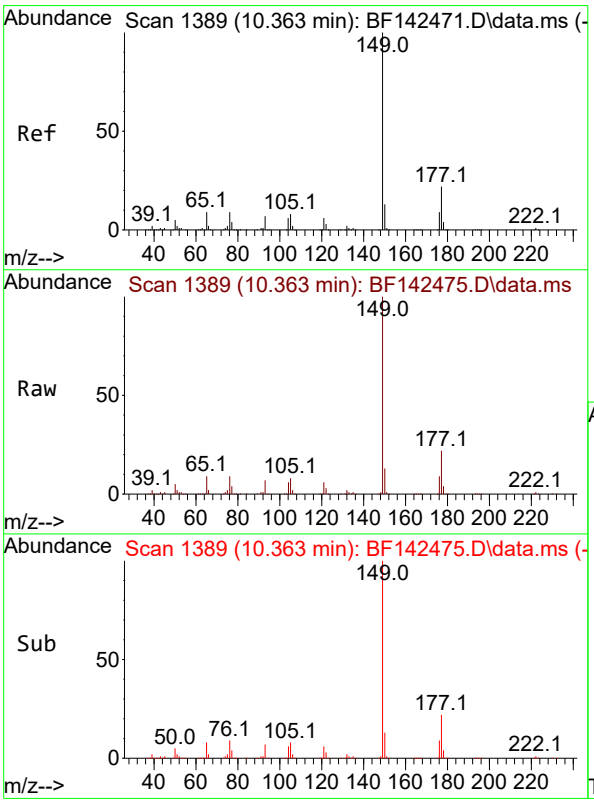
#59
2,3,4,6-Tetrachlorophenol
Concen: 38.000 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:232 Resp: 138047

Ion	Ratio	Lower	Upper
232	100		
131	45.7	35.2	52.8
130	2.1	1.7	2.5
166	29.7	23.4	35.0

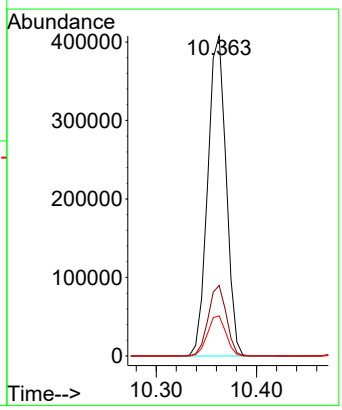


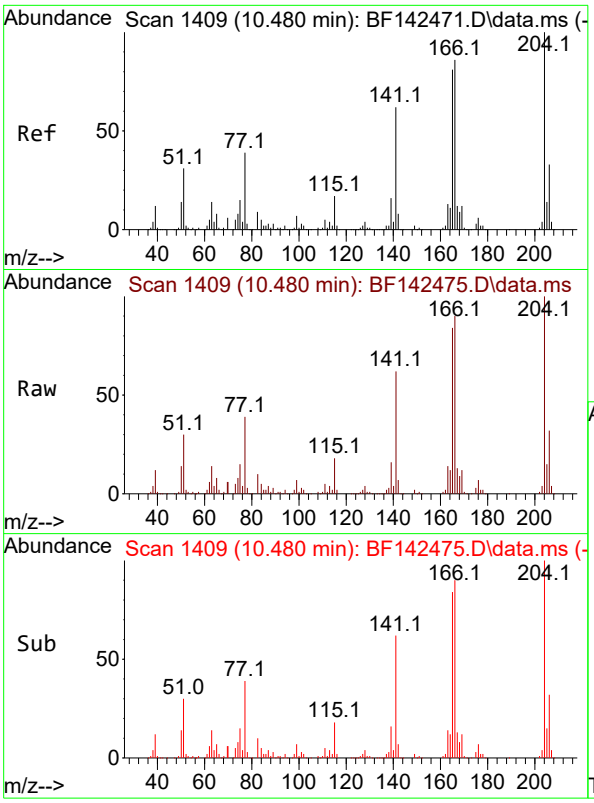


#60
Diethylphthalate
Concen: 37.844 ng
RT: 10.363 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:149 Resp: 519861

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.6	26.4
150	12.5	10.1	15.1



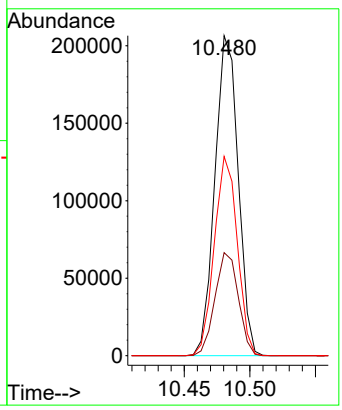


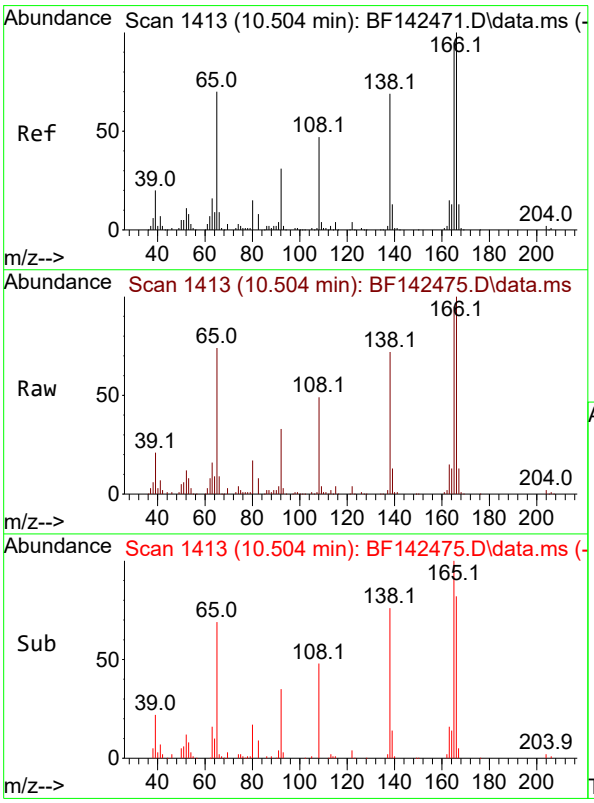
#61
4-Chlorophenyl-phenylether
Concen: 36.985 ng
RT: 10.480 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:204 Resp: 254467

Ion	Ratio	Lower	Upper
204	100		
206	32.2	26.3	39.5
141	62.3	49.5	74.3

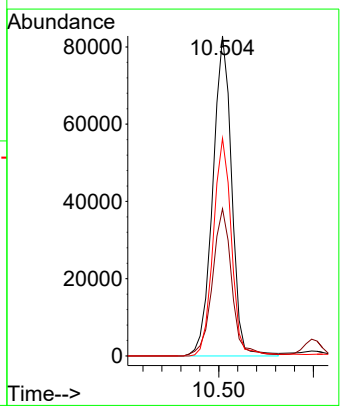


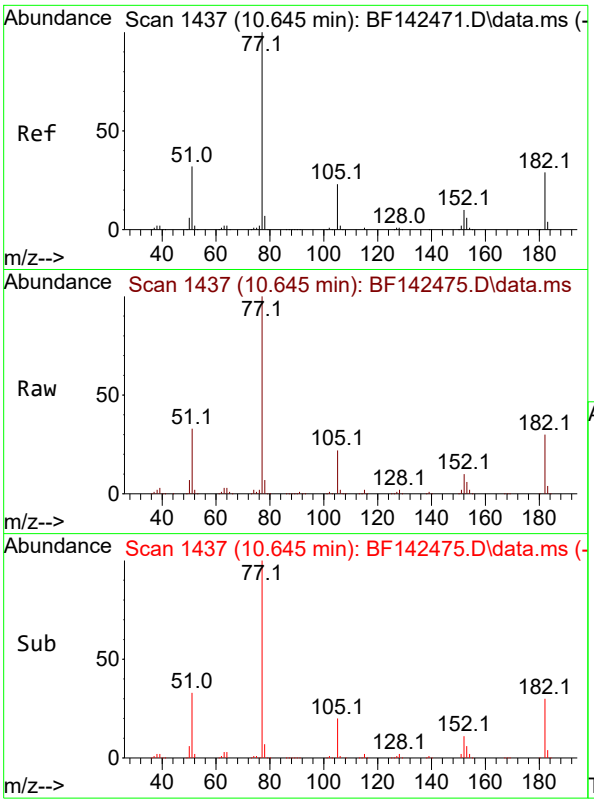


#62
4-Nitroaniline
Concen: 38.132 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:138 Resp: 114671

Ion	Ratio	Lower	Upper
138	100		
92	46.0	26.0	66.0
108	68.0	48.4	88.4



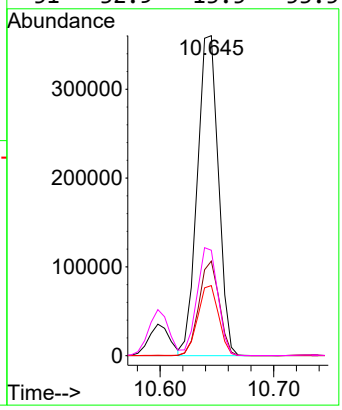


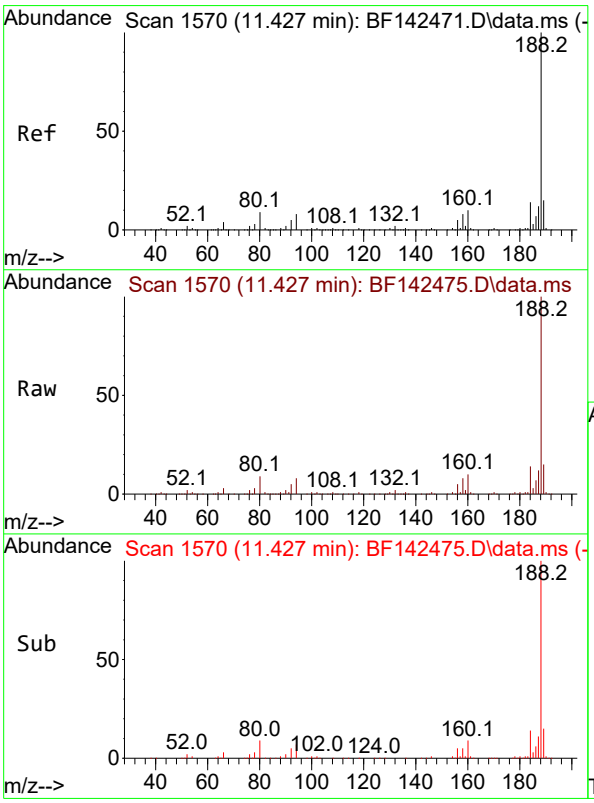
#63
Azobenzene
Concen: 37.780 ng
RT: 10.645 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion: 77 Resp: 466131

Ion	Ratio	Lower	Upper
77	100		
182	29.6	9.0	49.0
105	21.9	2.4	42.4
51	32.9	13.5	53.5

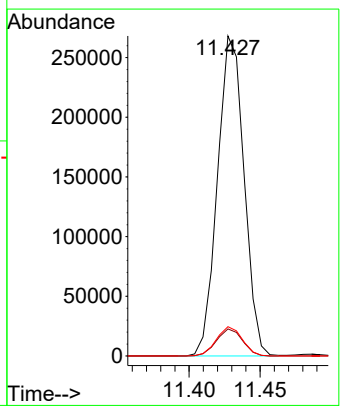


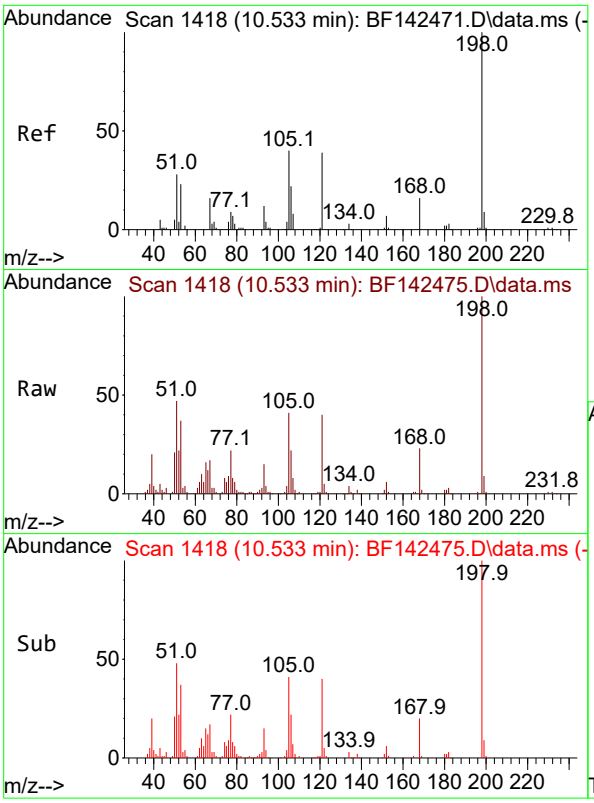


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:188 Resp: 348749

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.2	7.4	11.0



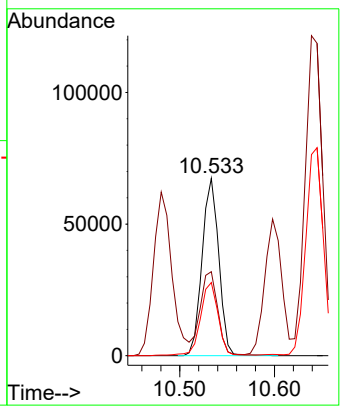


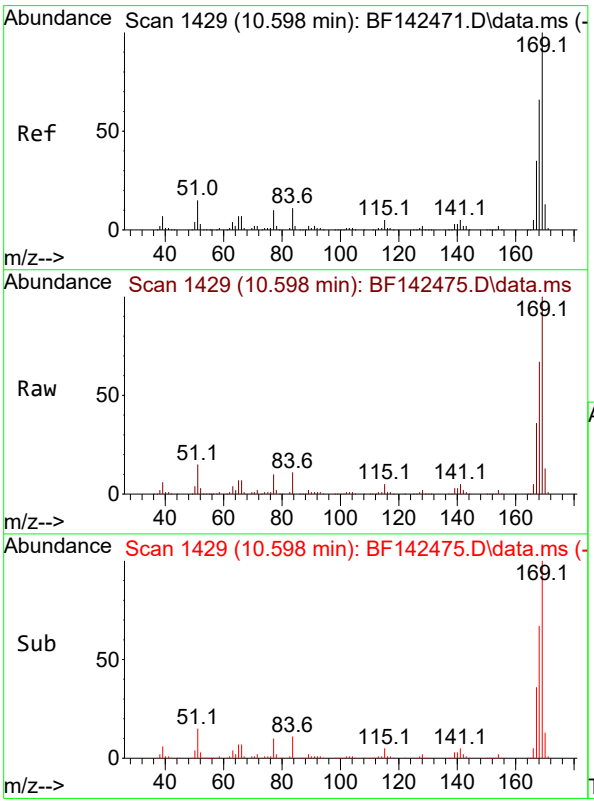
#65
4,6-Dinitro-2-methylphenol
Concen: 42.334 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:198 Resp: 82393

Ion	Ratio	Lower	Upper
198	100		
51	47.3	28.3	68.3
105	41.2	21.3	61.3

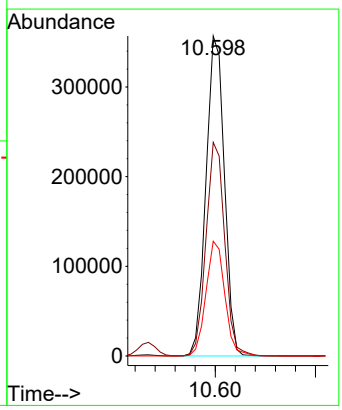


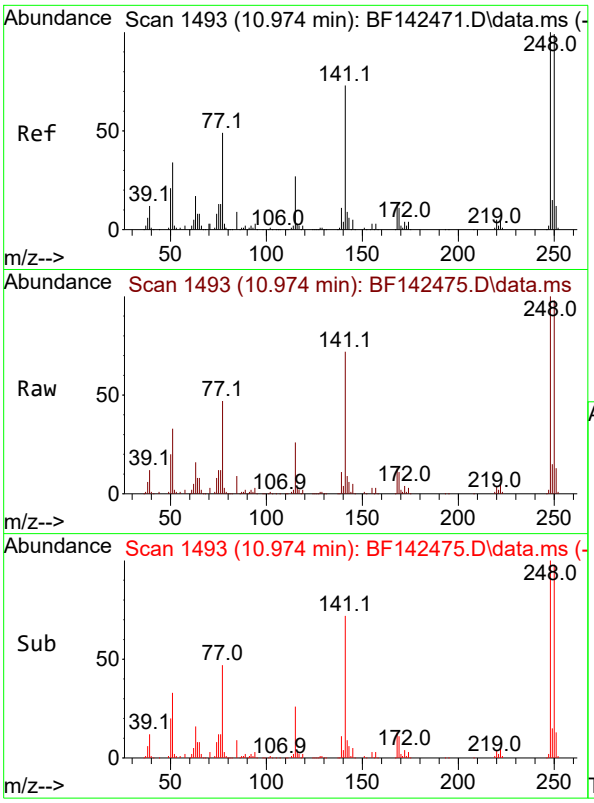


#66
n-Nitrosodiphenylamine
Concen: 38.132 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:169 Resp: 454975

Ion	Ratio	Lower	Upper
169	100		
168	66.7	52.7	79.1
167	35.8	28.3	42.5



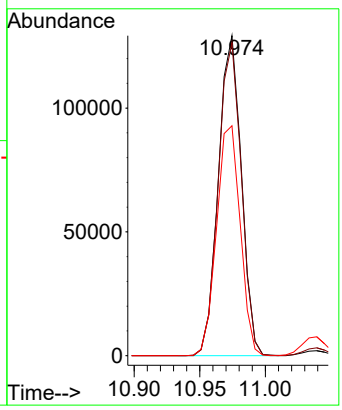


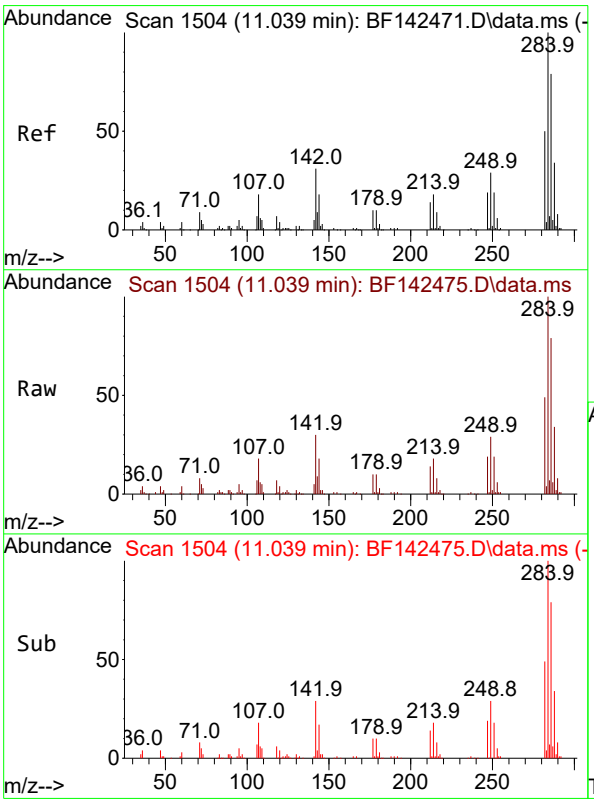
#67
4-Bromophenyl-phenylether
Concen: 38.189 ng
RT: 10.974 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:248 Resp: 157480

Ion	Ratio	Lower	Upper
248	100		
250	97.8	79.0	118.4
141	71.8	58.4	87.6

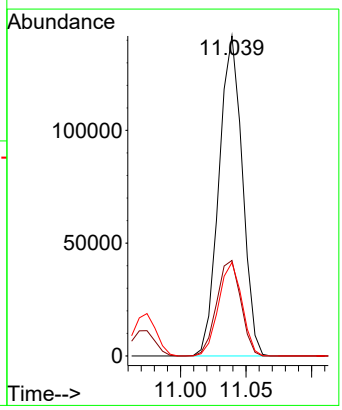


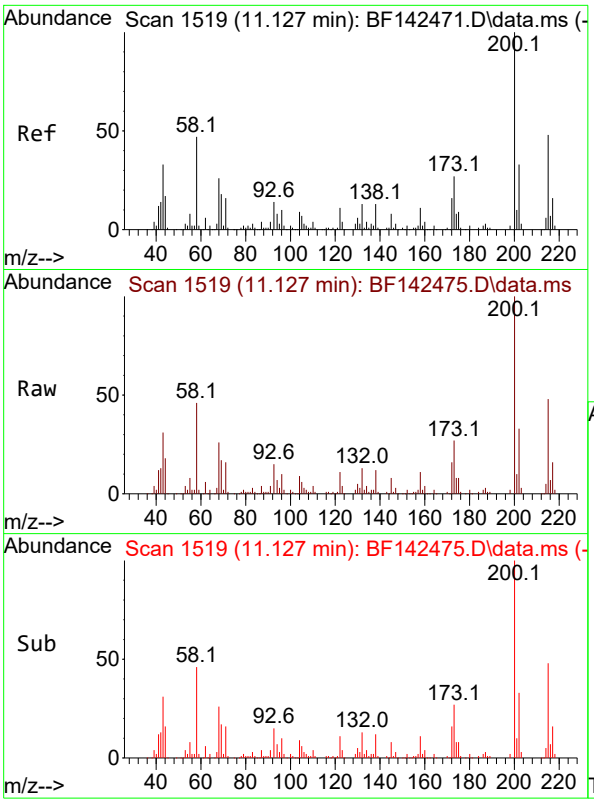


#68
Hexachlorobenzene
Concen: 38.554 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:284 Resp: 175840

Ion	Ratio	Lower	Upper
284	100		
142	29.9	24.8	37.2
249	29.2	23.6	35.4



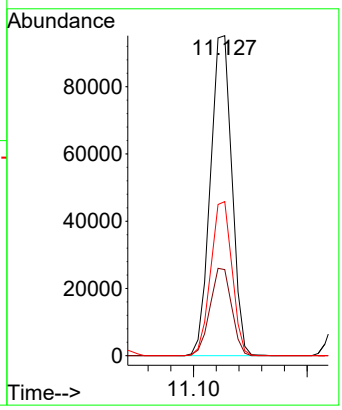


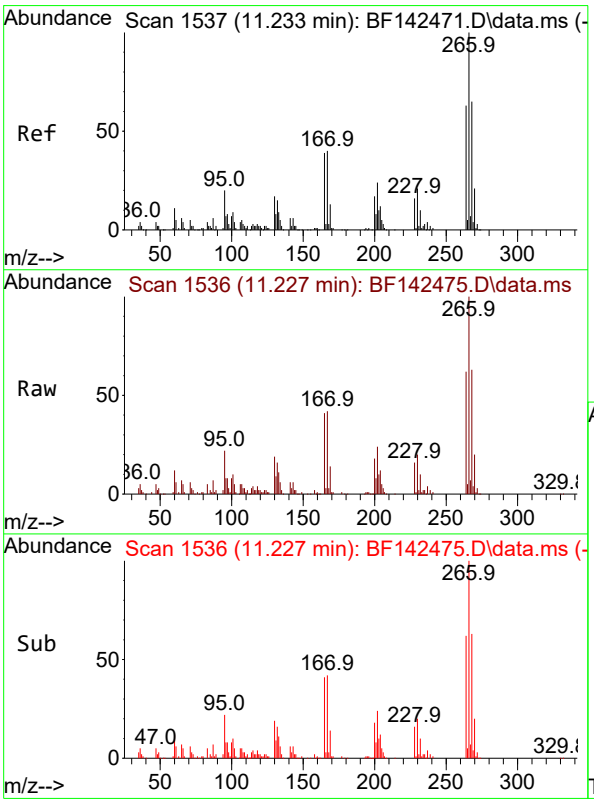
#69
Atrazine
Concen: 39.541 ng
RT: 11.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:200 Resp: 125293

Ion	Ratio	Lower	Upper
200	100		
173	26.9	7.4	47.4
215	48.1	28.5	68.5

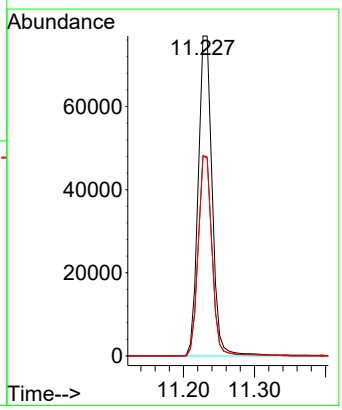


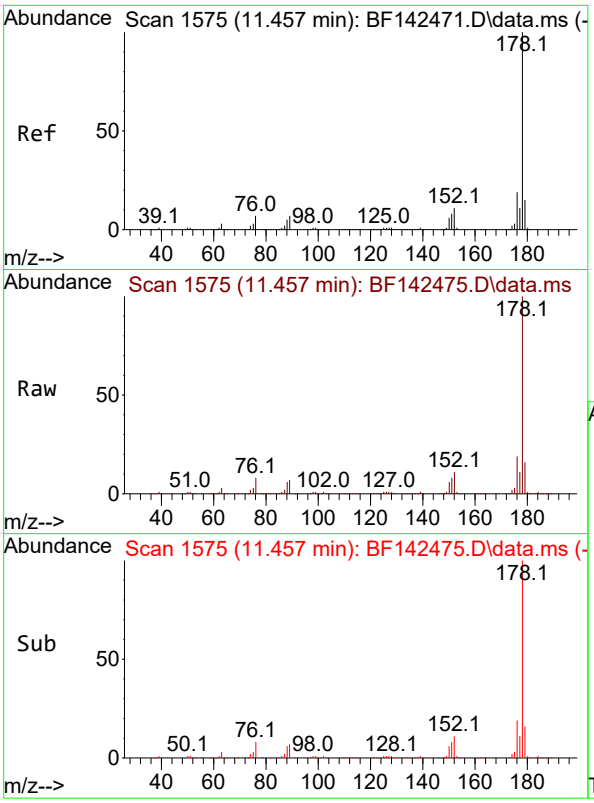


#70
Pentachlorophenol
Concen: 40.866 ng
RT: 11.227 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:266 Resp: 105232

Ion	Ratio	Lower	Upper
266	100		
268	62.6	51.7	77.5
264	62.5	50.4	75.6



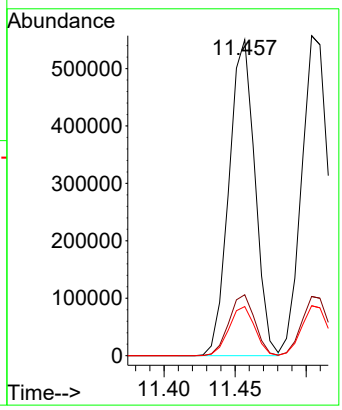


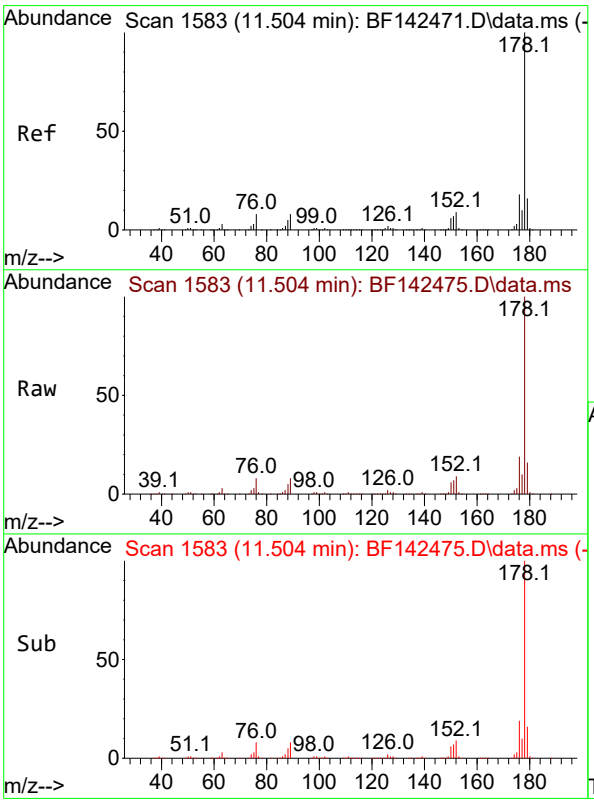
#71
Phenanthrene
Concen: 37.478 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:178 Resp: 698503

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.5	12.3	18.5

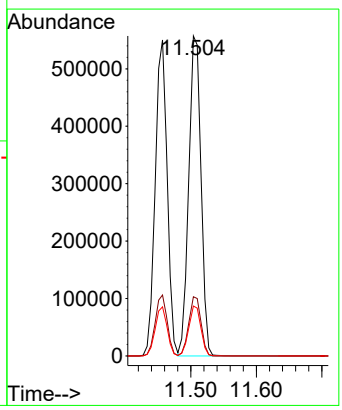


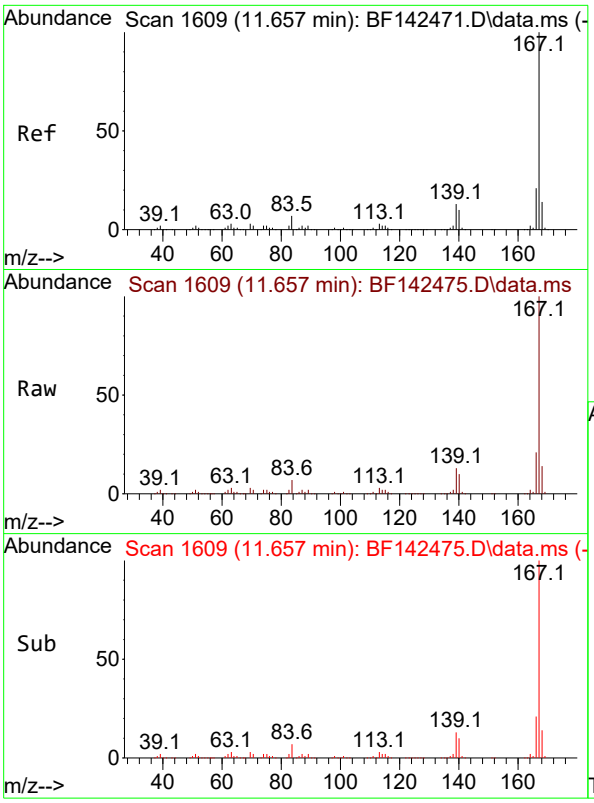


#72
Anthracene
Concen: 38.032 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:178 Resp: 723416

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	21.8
179	15.6	12.4	18.6



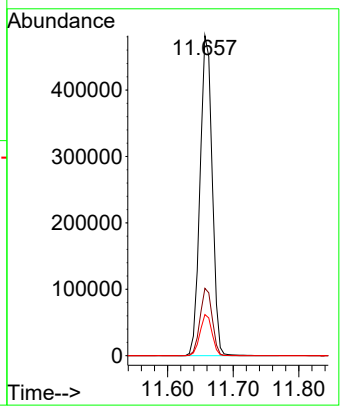


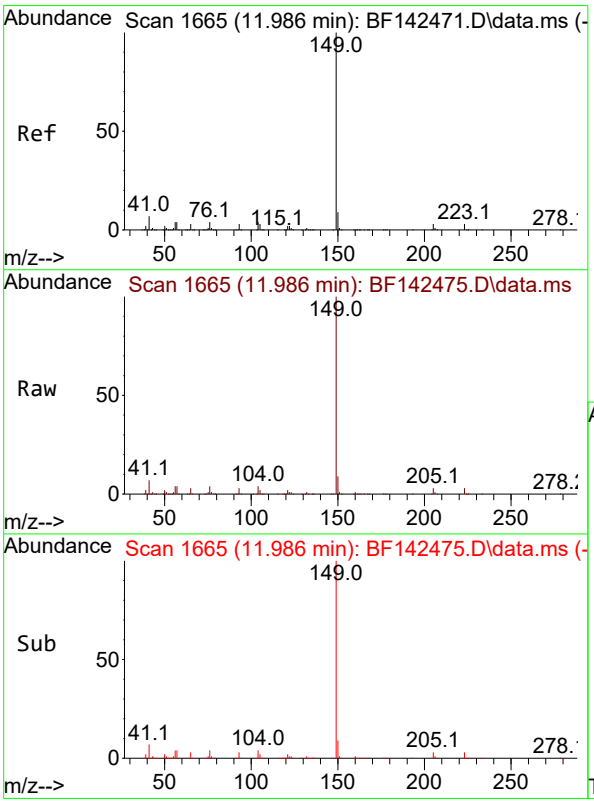
#73
Carbazole
Concen: 38.300 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:167 Resp: 622812

Ion	Ratio	Lower	Upper
167	100		
166	21.1	16.9	25.3
139	12.8	10.2	15.4

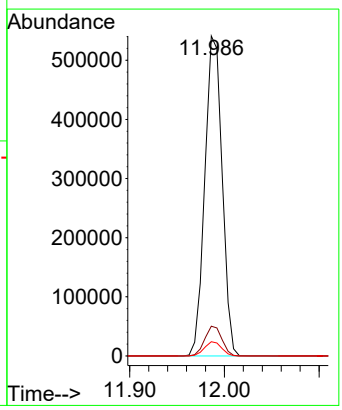


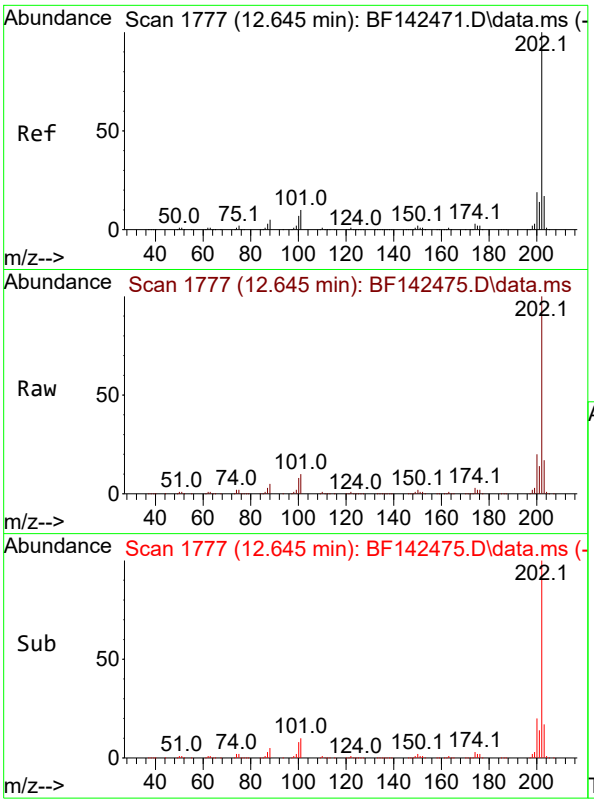


#74
Di-n-butylphthalate
Concen: 38.596 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:149 Resp: 686988

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	4.4	3.6	5.4



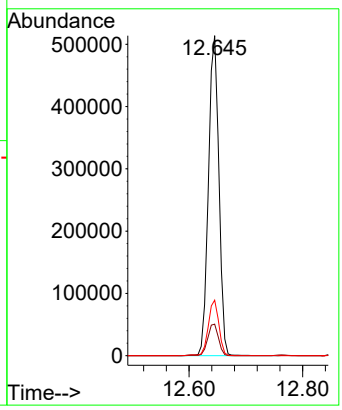


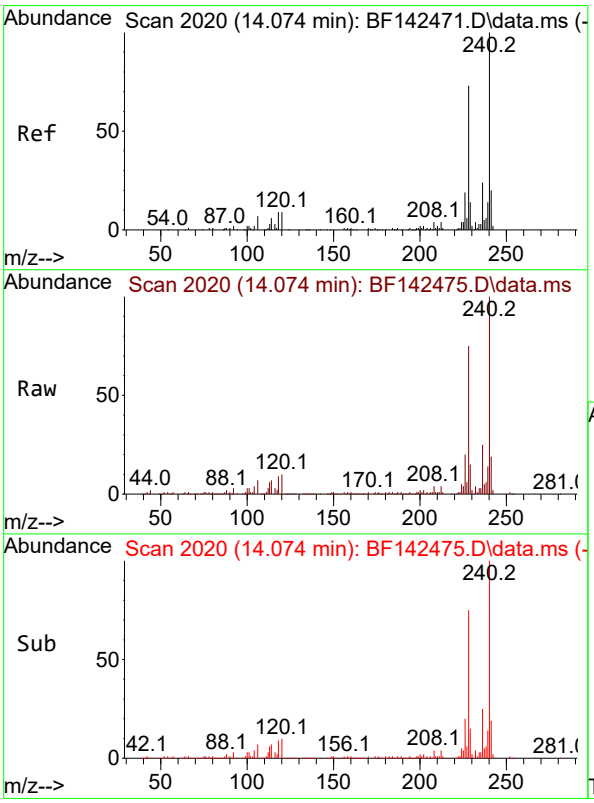
#75
Fluoranthene
Concen: 37.479 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:202 Resp: 652697

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	29.6
203	17.3	0.0	37.2

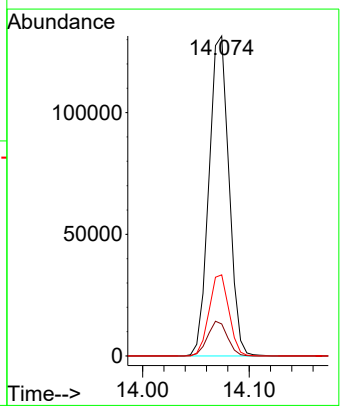


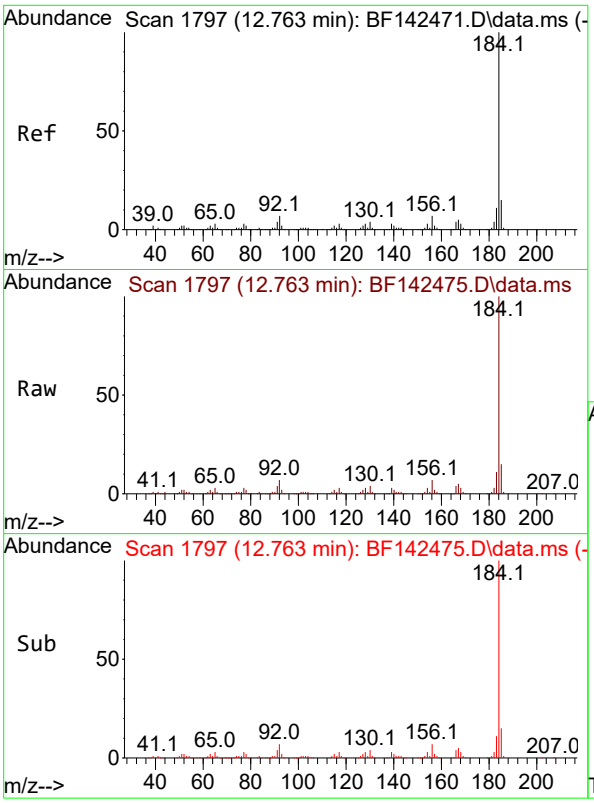


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:240 Resp: 171632

Ion	Ratio	Lower	Upper
240	100		
120	10.0	7.5	11.3
236	25.3	19.6	29.4



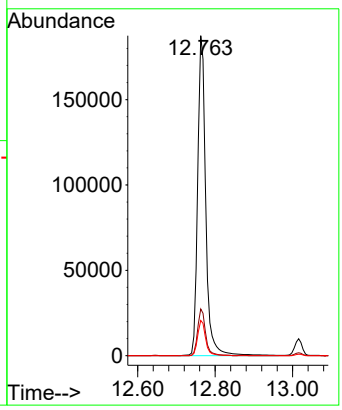


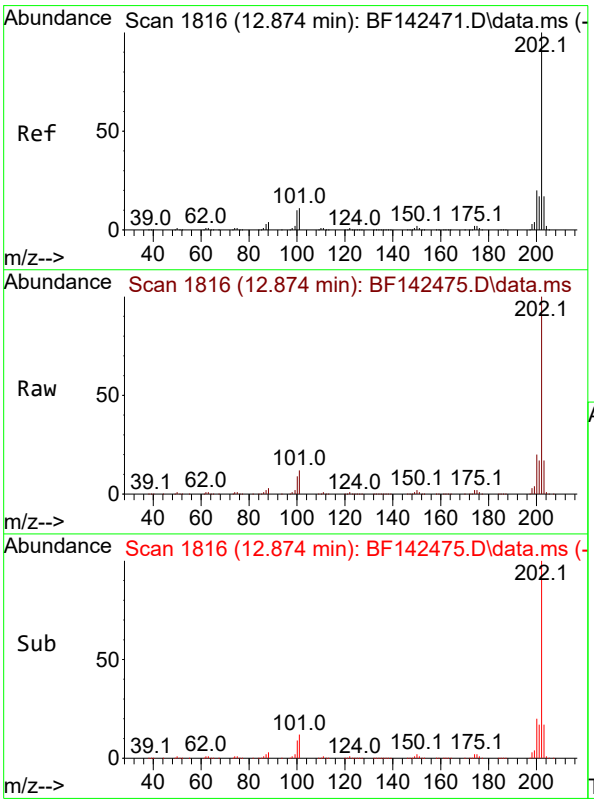
#77
Benzidine
Concen: 42.525 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:184 Resp: 271606

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.6	17.4
183	11.0	9.0	13.4

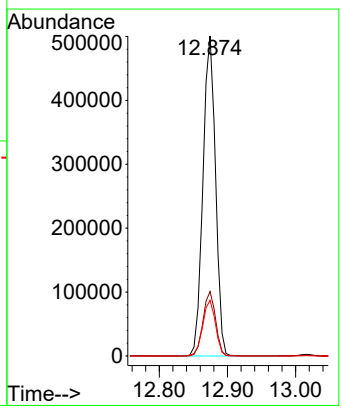


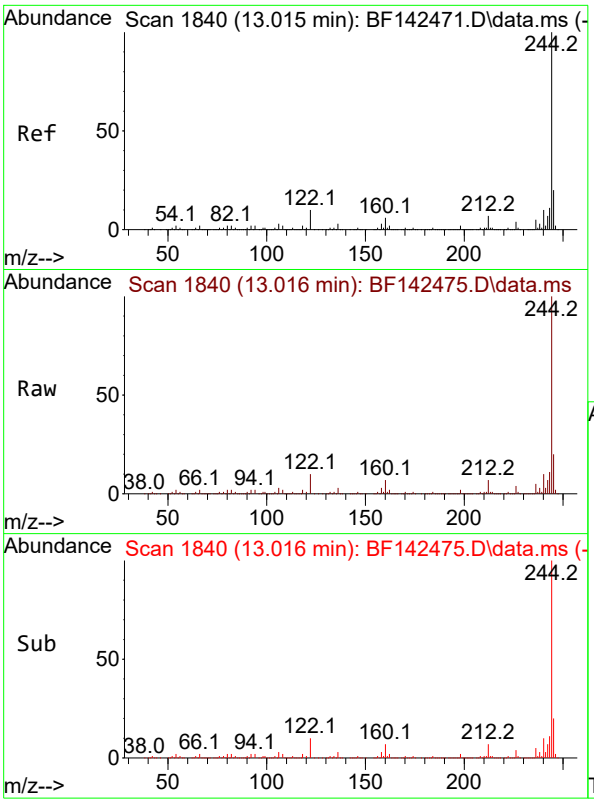


#78
Pyrene
Concen: 40.108 ng
RT: 12.874 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:202 Resp: 642163

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.1	24.1
203	17.4	13.9	20.9



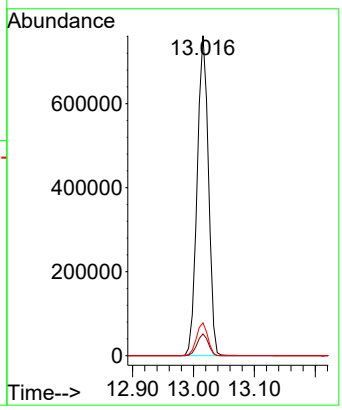


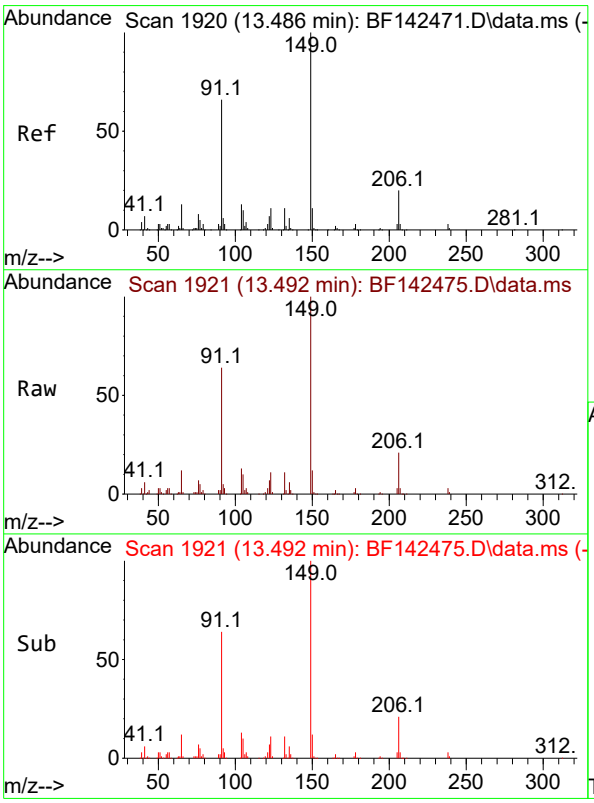
#79
Terphenyl-d14
Concen: 77.714 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:244 Resp: 976059

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.3	7.9
122	10.2	8.2	12.2

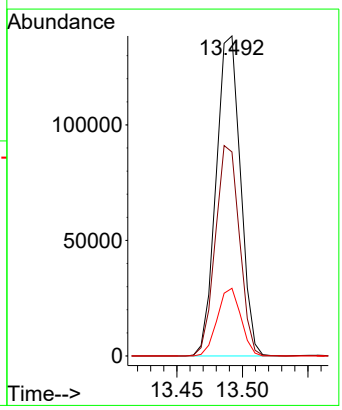


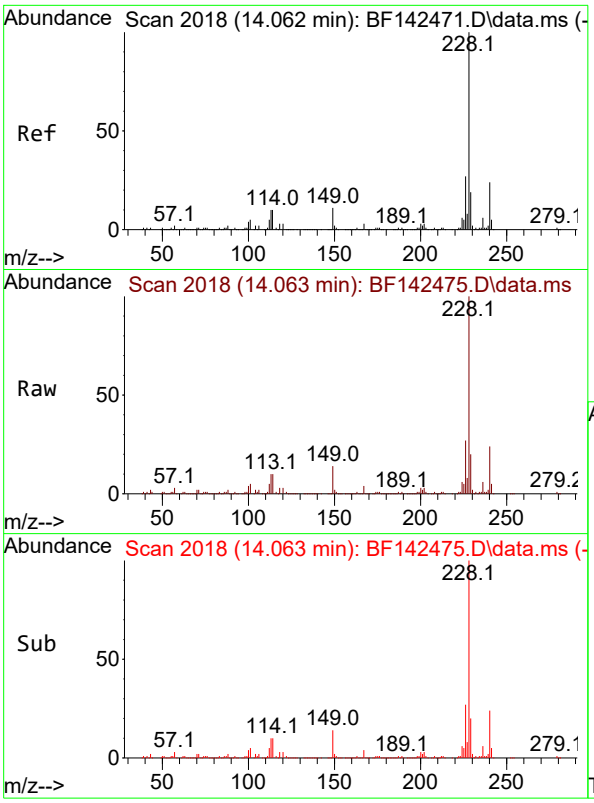


#80
Butylbenzylphthalate
Concen: 40.275 ng
RT: 13.492 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:149 Resp: 178179

Ion	Ratio	Lower	Upper
149	100		
91	63.8	52.9	79.3
206	21.1	16.2	24.2



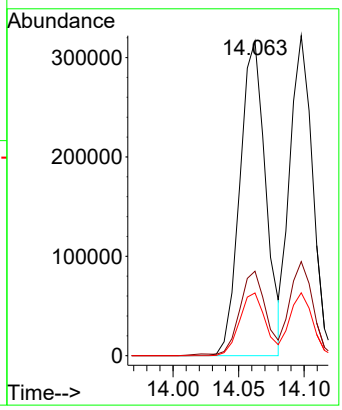


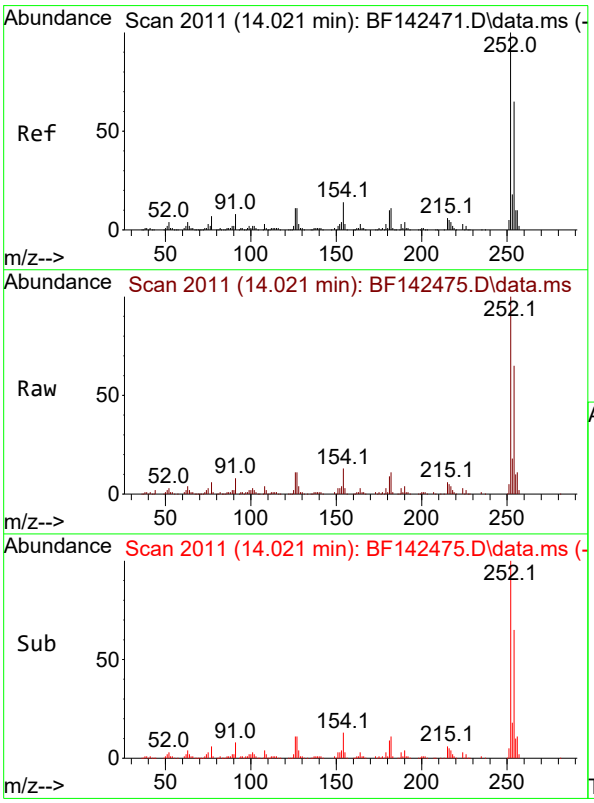
#81
Benzo(a)anthracene
Concen: 37.981 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:228 Resp: 435297

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.2	31.8
229	20.0	15.5	23.3

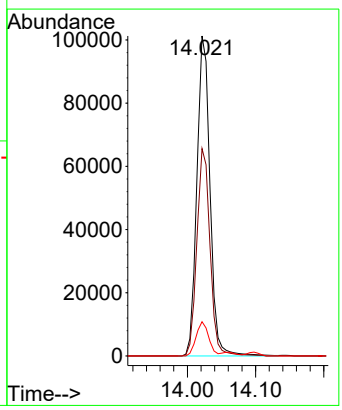


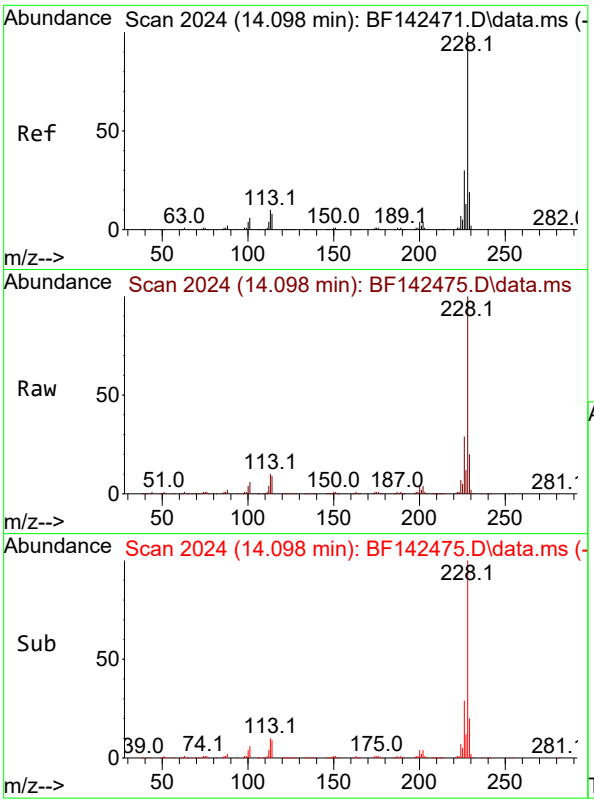


#82
3,3'-Dichlorobenzidine
Concen: 38.874 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:252 Resp: 135132

Ion	Ratio	Lower	Upper
252	100		
254	64.8	52.0	78.0
126	10.7	8.9	13.3



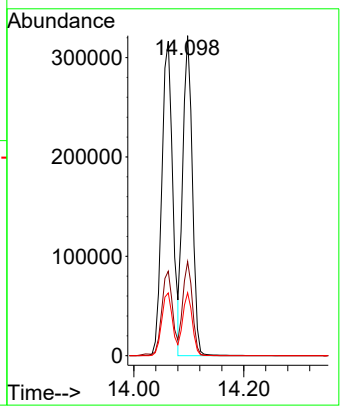


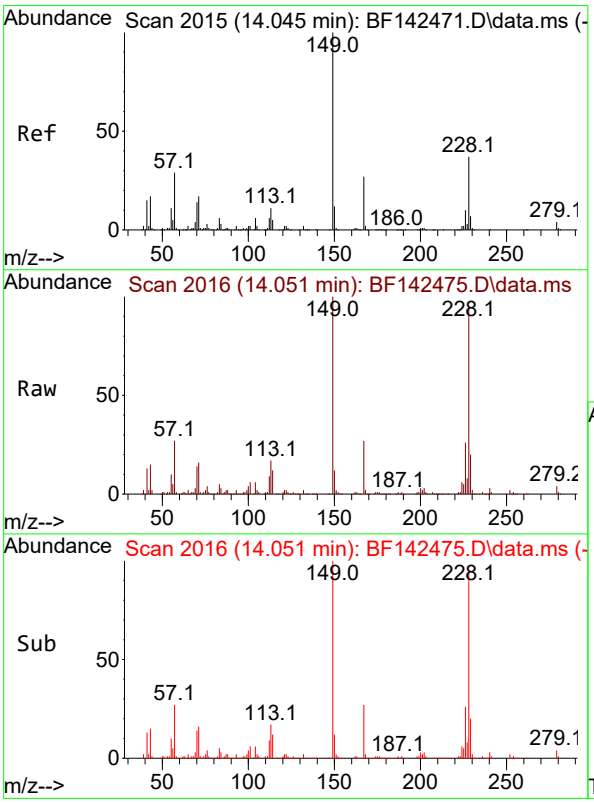
#83
Chrysene
Concen: 37.768 ng
RT: 14.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:228 Resp: 388943

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.8	35.6
229	19.6	15.4	23.2

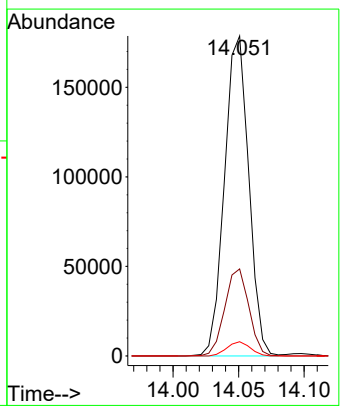


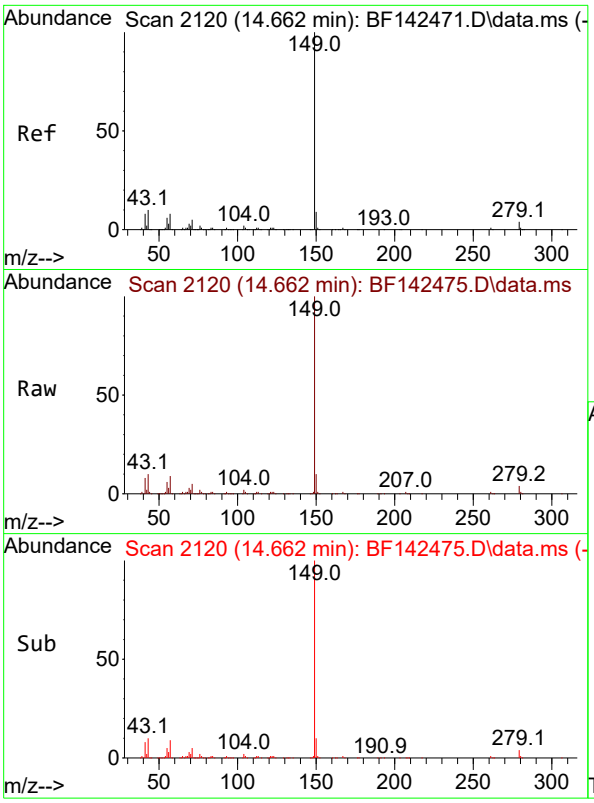


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.596 ng
RT: 14.051 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:149 Resp: 229915

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.5	32.3
279	4.4	3.2	4.8



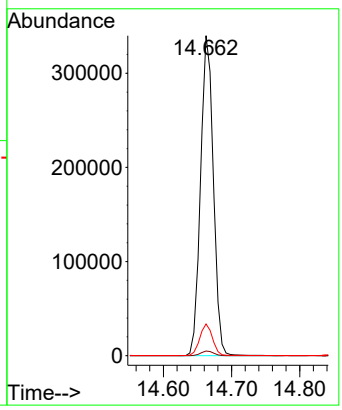


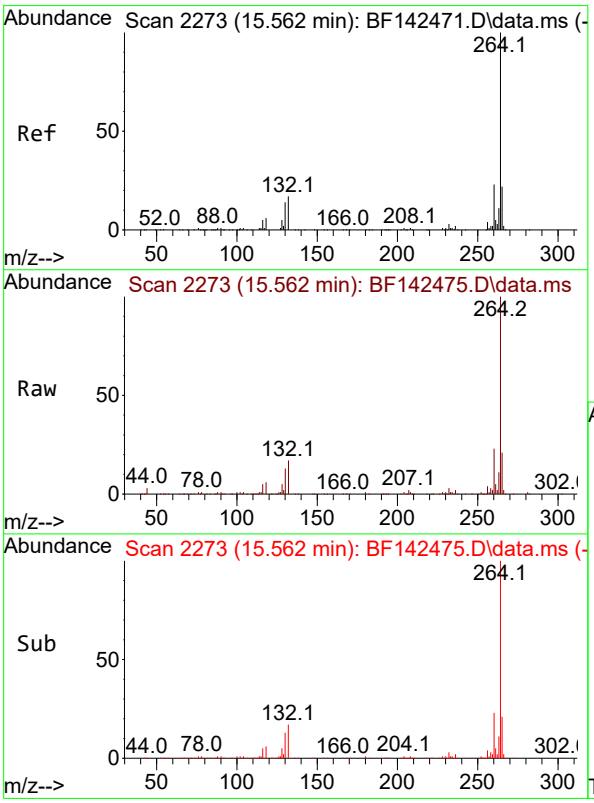
#85
Di-n-octyl phthalate
Concen: 40.048 ng
RT: 14.662 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:149 Resp: 443488

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.8	7.9	11.9

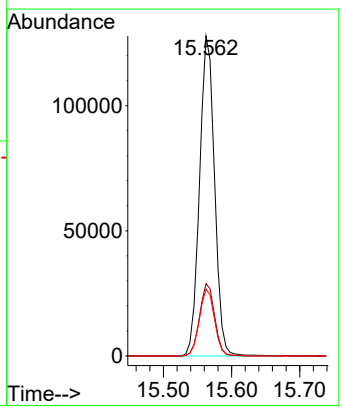


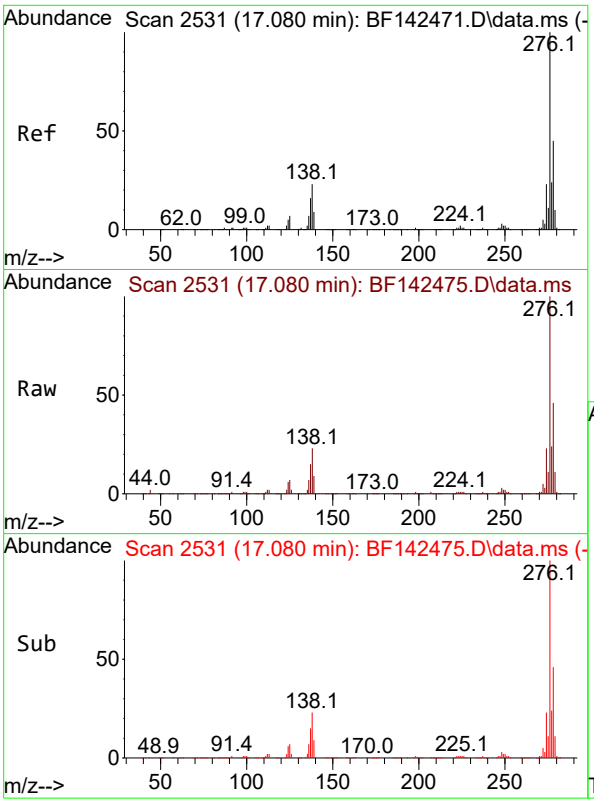


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:264 Resp: 195956

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.6	28.0
265	20.9	17.7	26.5



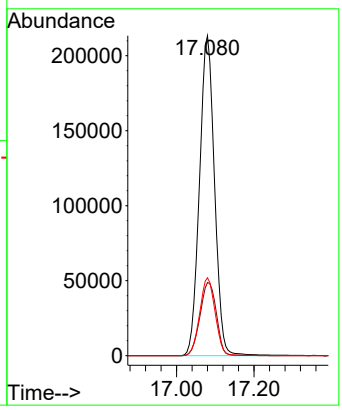


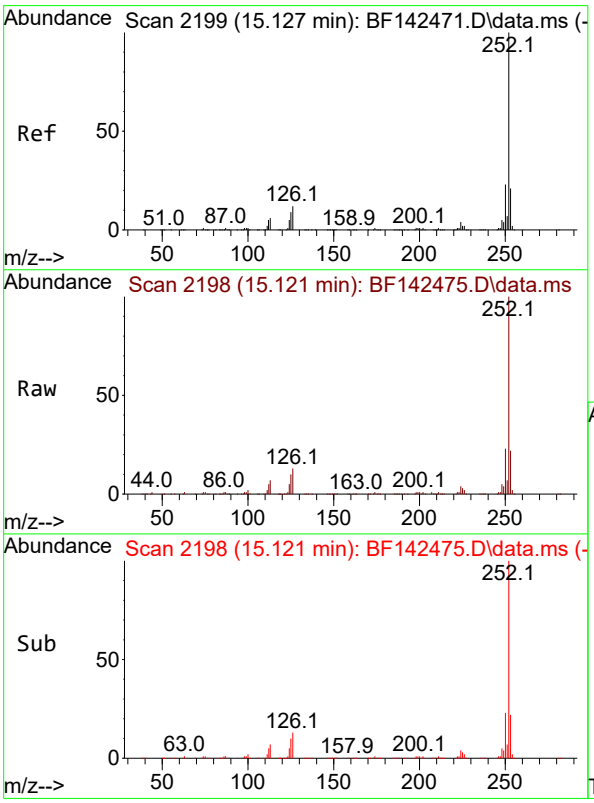
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.070 ng
RT: 17.080 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:276 Resp: 574771

Ion	Ratio	Lower	Upper
276	100		
138	24.9	19.9	29.9
277	25.0	20.2	30.2

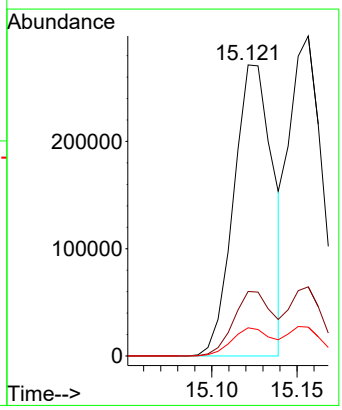


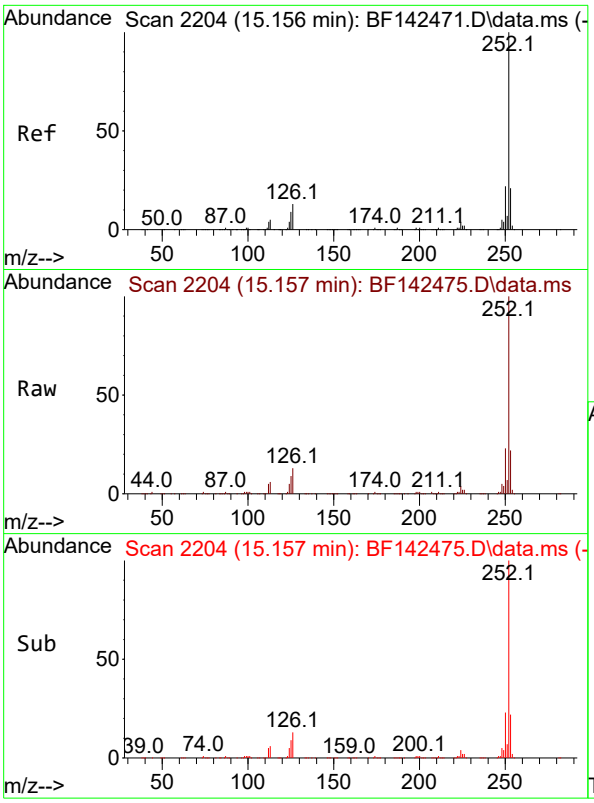


#88
Benzo(b)fluoranthene
Concen: 37.396 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:252 Resp: 433704

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.4
125	9.7	7.4	11.0



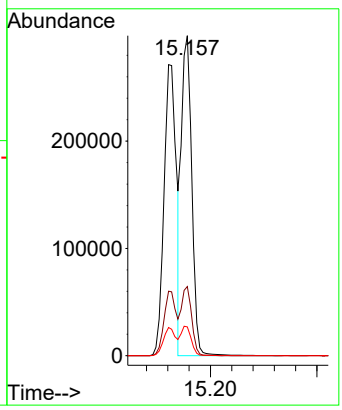


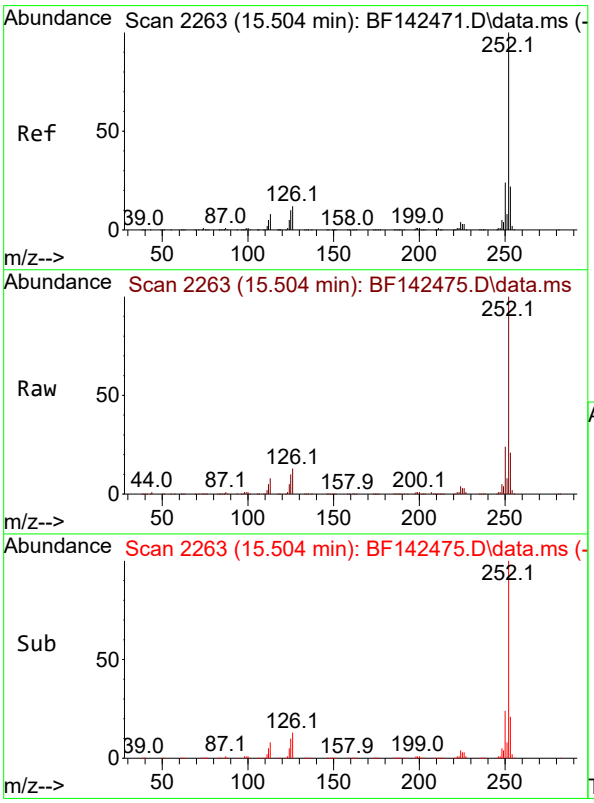
#89
Benzo(k)fluoranthene
Concen: 37.255 ng
RT: 15.157 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:252 Resp: 404679

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.4
125	9.0	7.3	10.9

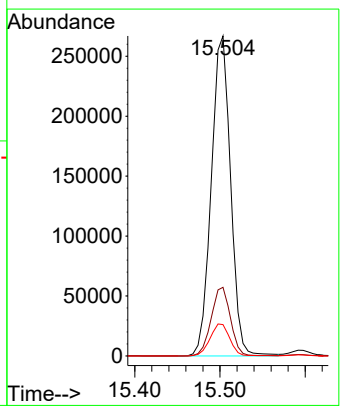


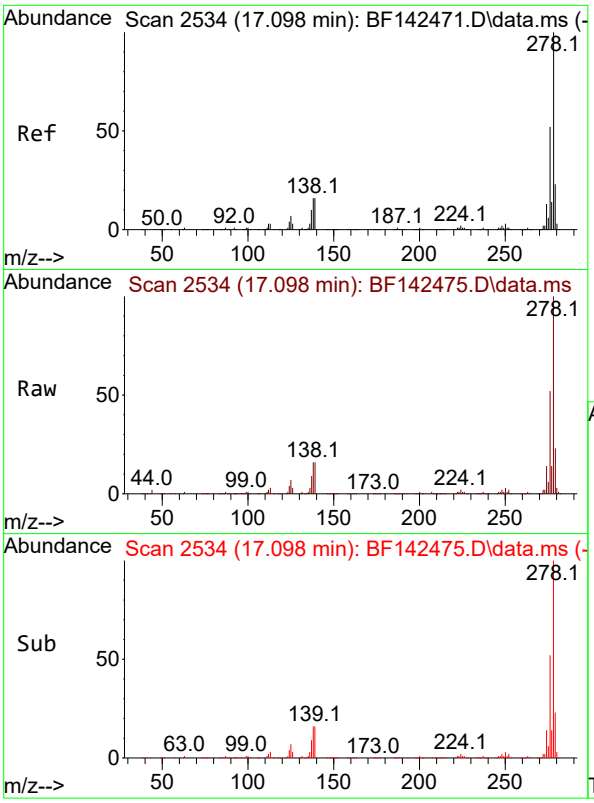


#90
Benzo(a)pyrene
Concen: 38.578 ng
RT: 15.504 min Scan# 2263
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:252 Resp: 421730

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.0
125	9.8	7.9	11.9



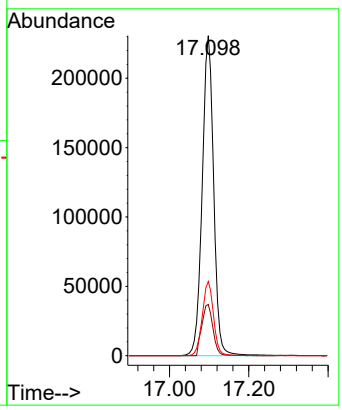


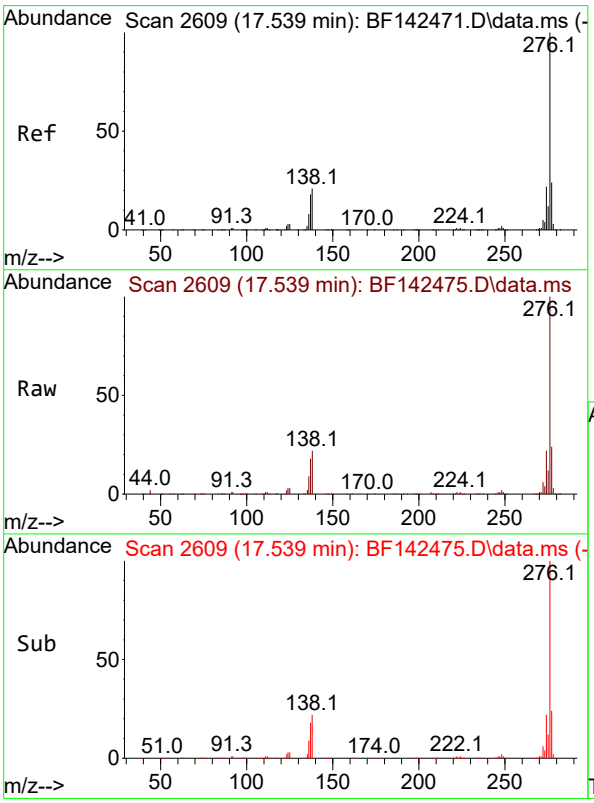
#91
Dibenzo(a,h)anthracene
Concen: 38.868 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:278 Resp: 463752

Ion	Ratio	Lower	Upper
278	100		
139	16.0	12.8	19.2
279	23.2	18.6	28.0

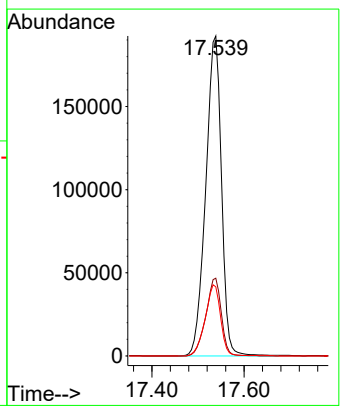




#92
Benzo(g,h,i)perylene
Concen: 38.345 ng
RT: 17.539 min Scan# 2609
Delta R.T. -0.018 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:276 Resp: 457604

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.2	28.8
138	21.6	16.8	25.2



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142475.D
Acq On : 20 May 2025 16:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Quant Time: May 20 17:07:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 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	102	0.00
2		1,4-Dioxane	0.475	0.453	4.6	101	0.00
3		Pyridine	1.210	1.168	3.5	102	0.00
4		n-Nitrosodimethylamine	0.628	0.612	2.5	101	-0.02
5	S	2-Fluorophenol	1.187	1.115	6.1	101	0.00
6		Aniline	1.921	1.845	4.0	102	0.00
7	S	Phenol-d6	1.429	1.358	5.0	101	-0.01
8		2-Chlorophenol	1.293	1.225	5.3	100	0.00
9		Benzaldehyde	0.859	0.832	3.1	104	0.00
10	C	Phenol	1.608	1.542	4.1	103	-0.01
11		bis(2-Chloroethyl)ether	1.157	1.108	4.2	102	0.00
12		1,3-Dichlorobenzene	1.443	1.356	6.0	99	0.00
13	C	1,4-Dichlorobenzene	1.453	1.384	4.7	100	0.00
14		1,2-Dichlorobenzene	1.391	1.311	5.8	101	0.00
15		Benzyl Alcohol	1.056	1.021	3.3	102	0.00
16		2,2'-oxybis(1-Chloropropane	1.944	1.843	5.2	101	0.00
17		2-Methylphenol	1.010	0.972	3.8	101	0.00
18		Hexachloroethane	0.507	0.484	4.5	101	0.00
19	P	n-Nitroso-di-n-propylamine	0.886	0.838	5.4	101	-0.02
20		3+4-Methylphenols	1.293	1.229	4.9	101	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	102	0.00
22		Acetophenone	0.443	0.422	4.7	100	0.00
23	S	Nitrobenzene-d5	0.367	0.354	3.5	102	-0.01
24		Nitrobenzene	0.331	0.320	3.3	101	0.00
25		Isophorone	0.613	0.581	5.2	100	-0.01
26	C	2-Nitrophenol	0.177	0.177	0.0	103	0.00
27		2,4-Dimethylphenol	0.312	0.304	2.6	102	0.00
28		bis(2-Chloroethoxy)methane	0.383	0.368	3.9	103	0.00
29	C	2,4-Dichlorophenol	0.283	0.271	4.2	100	0.00
30		1,2,4-Trichlorobenzene	0.308	0.294	4.5	102	0.00
31		Naphthalene	0.985	0.938	4.8	102	0.00
32		Benzoic acid	0.190	0.192	-1.1	104	-0.04
33		4-Chloroaniline	0.399	0.389	2.5	102	0.00
34	C	Hexachlorobutadiene	0.192	0.185	3.6	101	0.00
35		Caprolactam	0.080	0.078	2.5	101	-0.02
36	C	4-Chloro-3-methylphenol	0.291	0.281	3.4	102	-0.01
37		2-Methylnaphthalene	0.620	0.590	4.8	102	0.00
38		1-Methylnaphthalene	0.641	0.612	4.5	102	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	103	0.00
40		1,2,4,5-Tetrachlorobenzene	0.574	0.538	6.3	101	0.00
41	P	Hexachlorocyclopentadiene	0.387	0.387	0.0	102	0.00
42	S	2,4,6-Tribromophenol	0.222	0.210	5.4	103	0.00
43	C	2,4,6-Trichlorophenol	0.387	0.367	5.2	102	0.00
44		2,4,5-Trichlorophenol	0.408	0.385	5.6	101	0.00
45	S	2-Fluorobiphenyl	1.490	1.352	9.3	101	0.00
46		1,1'-Biphenyl	1.552	1.454	6.3	102	0.00
47		2-Chloronaphthalene	1.146	1.082	5.6	102	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142475.D
Acq On : 20 May 2025 16:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Quant Time: May 20 17:07:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 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	0.331	0.322	2.7	103	0.00
49		Acenaphthylene	1.936	1.821	5.9	102	0.00
50		Dimethylphthalate	1.320	1.227	7.0	101	0.00
51		2,6-Dinitrotoluene	0.285	0.272	4.6	100	0.00
52	C	Acenaphthene	1.182	1.119	5.3	103	0.00
53		3-Nitroaniline	0.311	0.297	4.5	103	0.00
54	P	2,4-Dinitrophenol	0.147	0.153	-4.1	106	-0.01
55		Dibenzofuran	1.701	1.581	7.1	102	0.00
56	P	4-Nitrophenol	0.230	0.226	1.7	103	0.00
57		2,4-Dinitrotoluene	0.372	0.358	3.8	102	0.00
58		Fluorene	1.314	1.204	8.4	101	0.00
59		2,3,4,6-Tetrachlorophenol	0.341	0.324	5.0	101	0.00
60		Diethylphthalate	1.289	1.219	5.4	102	0.00
61		4-Chlorophenyl-phenylether	0.646	0.597	7.6	101	0.00
62		4-Nitroaniline	0.282	0.269	4.6	100	-0.01
63		Azobenzene	1.158	1.093	5.6	102	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	102	0.00
65		4,6-Dinitro-2-methylphenol	0.112	0.118	-5.4	104	0.00
66	c	n-Nitrosodiphenylamine	0.684	0.652	4.7	102	0.00
67		4-Bromophenyl-phenylether	0.236	0.226	4.2	103	0.00
68		Hexachlorobenzene	0.262	0.252	3.8	102	0.00
69		Atrazine	0.182	0.180	1.1	103	0.00
70	C	Pentachlorophenol	0.148	0.151	-2.0	104	0.00
71		Phenanthrene	1.069	1.001	6.4	101	0.00
72		Anthracene	1.091	1.037	4.9	102	0.00
73		Carbazole	0.933	0.893	4.3	102	0.00
74		Di-n-butylphthalate	1.021	0.985	3.5	103	0.00
75	C	Fluoranthene	0.999	0.936	6.3	101	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	102	0.00
77		Benzidine	0.744	0.791	-6.3	101	0.00
78		Pyrene	1.866	1.871	-0.3	102	0.00
79	S	Terphenyl-d14	1.464	1.422	2.9	101	0.00
80		Butylbenzylphthalate	0.516	0.519	-0.6	100	0.00
81		Benzo(a)anthracene	1.336	1.268	5.1	101	0.00
82		3,3'-Dichlorobenzidine	0.405	0.394	2.7	98	0.00
83		Chrysene	1.200	1.133	5.6	100	0.00
84		Bis(2-ethylhexyl)phthalate	0.660	0.670	-1.5	101	0.00
85	c	Di-n-octyl phthalate	1.290	1.292	-0.2	104	0.00
86	I	Perylene-d12	1.000	1.000	0.0	104	0.00
87		Indeno(1,2,3-cd)pyrene	1.501	1.467	2.3	105	-0.01
88		Benzo(b)fluoranthene	1.184	1.107	6.5	102	0.00
89		Benzo(k)fluoranthene	1.109	1.033	6.9	103	0.00
90	C	Benzo(a)pyrene	1.116	1.076	3.6	103	0.00
91		Dibenzo(a,h)anthracene	1.218	1.183	2.9	103	-0.02
92		Benzo(g,h,i)perylene	1.218	1.168	4.1	102	-0.02

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142475.D
Acq On : 20 May 2025 16:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Quant Time: May 20 17:07:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 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\BF052025\
Data File : BF142475.D
Acq On : 20 May 2025 16:31
Operator : RC/JU
Sample : SSTDICV040
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Instrument :
BNA_F
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Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	102	0.00
2		1,4-Dioxane	40.000	38.184	4.5	101	0.00
3		Pyridine	40.000	38.607	3.5	102	0.00
4		n-Nitrosodimethylamine	40.000	38.995	2.5	101	-0.02
5	S	2-Fluorophenol	80.000	75.157	6.1	101	0.00
6		Aniline	40.000	38.415	4.0	102	0.00
7	S	Phenol-d6	80.000	76.025	5.0	101	-0.01
8		2-Chlorophenol	40.000	37.902	5.2	100	0.00
9		Benzaldehyde	40.000	38.726	3.2	104	0.00
10	C	Phenol	40.000	38.362	4.1	103	-0.01
11		bis(2-Chloroethyl)ether	40.000	38.280	4.3	102	0.00
12		1,3-Dichlorobenzene	40.000	37.579	6.1	99	0.00
13	C	1,4-Dichlorobenzene	40.000	38.078	4.8	100	0.00
14		1,2-Dichlorobenzene	40.000	37.716	5.7	101	0.00
15		Benzyl Alcohol	40.000	38.663	3.3	102	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.927	5.2	101	0.00
17		2-Methylphenol	40.000	38.500	3.8	101	0.00
18		Hexachloroethane	40.000	38.137	4.7	101	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.833	5.4	101	-0.02
20		3+4-Methylphenols	40.000	38.020	4.9	101	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	102	0.00
22		Acetophenone	40.000	38.118	4.7	100	0.00
23	S	Nitrobenzene-d5	80.000	77.283	3.4	102	-0.01
24		Nitrobenzene	40.000	38.737	3.2	101	0.00
25		Isophorone	40.000	37.906	5.2	100	-0.01
26	C	2-Nitrophenol	40.000	39.958	0.1	103	0.00
27		2,4-Dimethylphenol	40.000	38.953	2.6	102	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.407	4.0	103	0.00
29	C	2,4-Dichlorophenol	40.000	38.285	4.3	100	0.00
30		1,2,4-Trichlorobenzene	40.000	38.187	4.5	102	0.00
31		Naphthalene	40.000	38.112	4.7	102	0.00
32		Benzoic acid	40.000	40.490	-1.2	104	-0.04
33		4-Chloroaniline	40.000	38.962	2.6	102	0.00
34	C	Hexachlorobutadiene	40.000	38.512	3.7	101	0.00
35		Caprolactam	40.000	39.162	2.1	101	-0.02
36	C	4-Chloro-3-methylphenol	40.000	38.654	3.4	102	-0.01
37		2-Methylnaphthalene	40.000	38.062	4.8	102	0.00
38		1-Methylnaphthalene	40.000	38.229	4.4	102	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	103	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	37.508	6.2	101	0.00
41	P	Hexachlorocyclopentadiene	40.000	39.991	0.0	102	0.00
42	S	2,4,6-Tribromophenol	80.000	75.790	5.3	103	0.00
43	C	2,4,6-Trichlorophenol	40.000	37.954	5.1	102	0.00
44		2,4,5-Trichlorophenol	40.000	37.766	5.6	101	0.00
45	S	2-Fluorobiphenyl	80.000	72.557	9.3	101	0.00
46		1,1'-Biphenyl	40.000	37.487	6.3	102	0.00
47		2-Chloronaphthalene	40.000	37.763	5.6	102	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142475.D
Acq On : 20 May 2025 16:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Quant Time: May 20 17:07:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 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	38.867	2.8	103	0.00
49		Acenaphthylene	40.000	37.630	5.9	102	0.00
50		Dimethylphthalate	40.000	37.184	7.0	101	0.00
51		2,6-Dinitrotoluene	40.000	38.191	4.5	100	0.00
52	C	Acenaphthene	40.000	37.877	5.3	103	0.00
53		3-Nitroaniline	40.000	38.246	4.4	103	0.00
54	P	2,4-Dinitrophenol	40.000	41.481	-3.7	106	-0.01
55		Dibenzofuran	40.000	37.170	7.1	102	0.00
56	P	4-Nitrophenol	40.000	39.320	1.7	103	0.00
57		2,4-Dinitrotoluene	40.000	38.463	3.8	102	0.00
58		Fluorene	40.000	36.662	8.3	101	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	38.000	5.0	101	0.00
60		Diethylphthalate	40.000	37.844	5.4	102	0.00
61		4-Chlorophenyl-phenylether	40.000	36.985	7.5	101	0.00
62		4-Nitroaniline	40.000	38.132	4.7	100	-0.01
63		Azobenzene	40.000	37.780	5.5	102	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	102	0.00
65		4,6-Dinitro-2-methylphenol	40.000	42.334	-5.8	104	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.132	4.7	102	0.00
67		4-Bromophenyl-phenylether	40.000	38.189	4.5	103	0.00
68		Hexachlorobenzene	40.000	38.554	3.6	102	0.00
69		Atrazine	40.000	39.541	1.1	103	0.00
70	C	Pentachlorophenol	40.000	40.866	-2.2	104	0.00
71		Phenanthrene	40.000	37.478	6.3	101	0.00
72		Anthracene	40.000	38.032	4.9	102	0.00
73		Carbazole	40.000	38.300	4.3	102	0.00
74		Di-n-butylphthalate	40.000	38.596	3.5	103	0.00
75	C	Fluoranthene	40.000	37.479	6.3	101	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	102	0.00
77		Benzidine	40.000	42.525	-6.3	101	0.00
78		Pyrene	40.000	40.108	-0.3	102	0.00
79	S	Terphenyl-d14	80.000	77.714	2.9	101	0.00
80		Butylbenzylphthalate	40.000	40.275	-0.7	100	0.00
81		Benzo(a)anthracene	40.000	37.981	5.0	101	0.00
82		3,3'-Dichlorobenzidine	40.000	38.874	2.8	98	0.00
83		Chrysene	40.000	37.768	5.6	100	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	40.596	-1.5	101	0.00
85	c	Di-n-octyl phthalate	40.000	40.048	-0.1	104	0.00
86	I	Perylene-d12	20.000	20.000	0.0	104	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	39.070	2.3	105	-0.01
88		Benzo(b)fluoranthene	40.000	37.396	6.5	102	0.00
89		Benzo(k)fluoranthene	40.000	37.255	6.9	103	0.00
90	C	Benzo(a)pyrene	40.000	38.578	3.6	103	0.00
91		Dibenzo(a,h)anthracene	40.000	38.868	2.8	103	-0.02
92		Benzo(g,h,i)perylene	40.000	38.345	4.1	102	-0.02

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142475.D
Acq On : 20 May 2025 16:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Quant Time: May 20 17:07:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ARAM01

Lab Code: CHEM Case No.: Q2149 SAS No.: Q2149 SDG No.: Q2149

Instrument ID: BNA_F Calibration Date/Time: 05/30/2025 13:20

Lab File ID: BF142566.D Init. Calib. Date(s): 05/20/2025 05/20/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:10 15:31

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.210	1.212		0.2	
2-Fluorophenol	1.187	1.142		-3.8	
Phenol-d6	1.429	1.395		-2.4	
1,4-Dichlorobenzene	1.453	1.400		-3.6	20.0
2-Methylphenol	1.010	0.992		-1.8	
3+4-Methylphenols	1.293	1.261		-2.5	
Nitrobenzene-d5	0.367	0.349		-4.9	
Hexachloroethane	0.507	0.479		-5.5	
Nitrobenzene	0.331	0.318		-3.9	
Hexachlorobutadiene	0.192	0.175		-8.9	20.0
2,4,6-Trichlorophenol	0.387	0.373		-3.6	20.0
2-Fluorobiphenyl	1.490	1.348		-9.5	
2,4,5-Trichlorophenol	0.408	0.398		-2.5	
2,4-Dinitrotoluene	0.372	0.380		2.2	
2,4,6-Tribromophenol	0.222	0.215		-3.2	
Hexachlorobenzene	0.262	0.244		-6.9	
Pentachlorophenol	0.148	0.139		-6.1	20.0
Terphenyl-d14	1.464	1.377		-5.9	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142566.D
Acq On : 30 May 2025 13:20
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: May 30 13:42:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	109753	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	434666	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	234624	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	409802	20.000	ng	0.00
76) Chrysene-d12	14.074	240	223422	20.000	ng	0.00
86) Perylene-d12	15.568	264	206730	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	501324	76.955	ng	0.00
7) Phenol-d6	6.522	99	612585	78.117	ng	-0.01
23) Nitrobenzene-d5	7.463	82	606675	76.107	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	201732	77.469	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1264848	72.339	ng	0.00
79) Terphenyl-d14	13.016	244	1230505	75.263	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.663	88	101615	38.980	ng	99
3) Pyridine	3.440	79	265976	40.066	ng	98
4) n-Nitrosodimethylamine	3.387	42	131847	38.252	ng	92
6) Aniline	6.563	93	415610	39.416	ng	99
8) 2-Chlorophenol	6.681	128	275775	38.865	ng	98
9) Benzaldehyde	6.451	77	179637	38.086	ng	99
10) Phenol	6.540	94	347783	39.414	ng	99
11) bis(2-Chloroethyl)ether	6.634	93	246545	38.816	ng	100
12) 1,3-Dichlorobenzene	6.839	146	300831	37.995	ng	99
13) 1,4-Dichlorobenzene	6.916	146	307347	38.536	ng	99
14) 1,2-Dichlorobenzene	7.069	146	293302	38.432	ng	99
15) Benzyl Alcohol	7.039	79	225900	38.981	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.175	45	412827	38.703	ng	100
17) 2-Methylphenol	7.151	107	217808	39.316	ng	99
18) Hexachloroethane	7.410	117	105055	37.722	ng	97
19) n-Nitroso-di-n-propyla...	7.310	70	182225	37.494	ng	99
20) 3+4-Methylphenols	7.304	107	276765	39.012	ng	99
22) Acetophenone	7.310	105	359638	37.376	ng	99
24) Nitrobenzene	7.486	77	276705	38.488	ng	99
25) Isophorone	7.722	82	501781	37.650	ng	98
26) 2-Nitrophenol	7.798	139	152307	39.647	ng	98
27) 2,4-Dimethylphenol	7.834	122	262718	38.780	ng	98
28) bis(2-Chloroethoxy)met...	7.928	93	318773	38.289	ng	99
29) 2,4-Dichlorophenol	8.039	162	237437	38.539	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	252442	37.755	ng	99
31) Naphthalene	8.210	128	801463	37.447	ng	100
32) Benzoic acid	7.939	122	162361	39.371	ng	96
33) 4-Chloroaniline	8.251	127	335533	38.689	ng	99
34) Hexachlorobutadiene	8.322	225	152271	36.473	ng	99
35) Caprolactam	8.622	113	72337	41.805	ng	98
36) 4-Chloro-3-methylphenol	8.728	107	242785	38.452	ng	100
37) 2-Methylnaphthalene	8.898	142	506841	37.642	ng	99
38) 1-Methylnaphthalene	8.998	142	519985	37.334	ng	100
40) 1,2,4,5-Tetrachloroben...	9.063	216	257455	38.226	ng	100
41) Hexachlorocyclopentadiene	9.051	237	167761	36.924	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	175160	38.568	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142566.D
Acq On : 30 May 2025 13:20
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: May 30 13:42:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

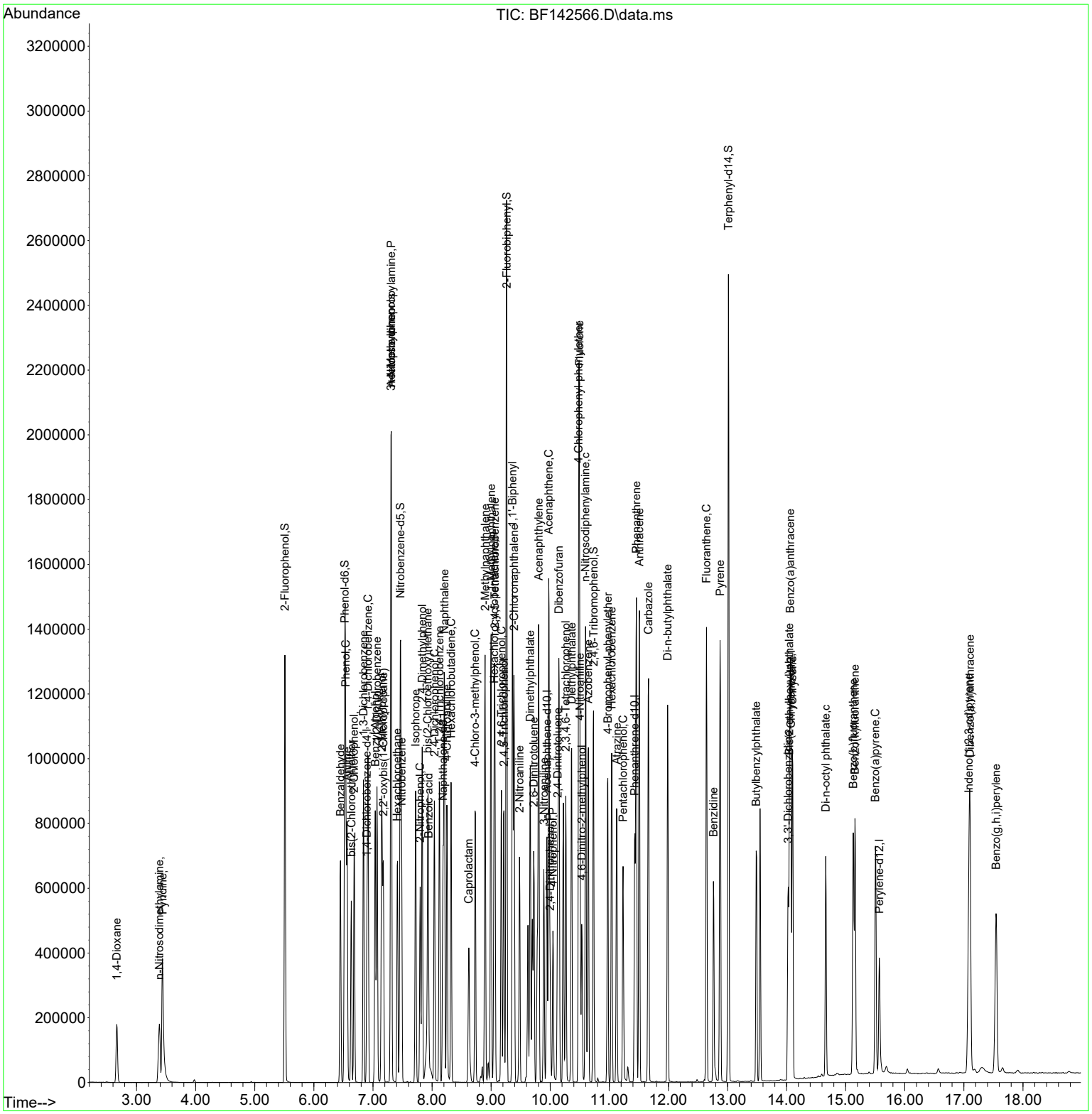
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	186877	39.016	ng	97
46) 1,1'-Biphenyl	9.363	154	687867	37.790	ng	99
47) 2-Chloronaphthalene	9.386	162	510025	37.924	ng	99
48) 2-Nitroaniline	9.480	65	153168	39.403	ng	97
49) Acenaphthylene	9.804	152	868771	38.256	ng	100
50) Dimethylphthalate	9.663	163	591715	38.221	ng	100
51) 2,6-Dinitrotoluene	9.722	165	131661	39.404	ng	98
52) Acenaphthene	9.975	154	531545	38.332	ng	100
53) 3-Nitroaniline	9.892	138	150151	41.142	ng	100
54) 2,4-Dinitrophenol	9.998	184	73435	42.540	ng	97
55) Dibenzofuran	10.145	168	762353	38.204	ng	99
56) 4-Nitrophenol	10.045	139	109735	40.751	ng	99
57) 2,4-Dinitrotoluene	10.128	165	178400	40.883	ng	100
58) Fluorene	10.492	166	589250	38.224	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	155965	39.005	ng	99
60) Diethylphthalate	10.363	149	585735	38.740	ng	99
61) 4-Chlorophenyl-phenyle...	10.480	204	289995	38.294	ng	98
62) 4-Nitroaniline	10.504	138	142403	43.023	ng	97
63) Azobenzene	10.645	77	522525	38.477	ng	99
65) 4,6-Dinitro-2-methylph...	10.533	198	95823	41.899	ng	98
66) n-Nitrosodiphenylamine	10.598	169	511834	36.507	ng	99
67) 4-Bromophenyl-phenylether	10.975	248	178142	36.764	ng	98
68) Hexachlorobenzene	11.039	284	200364	37.386	ng	100
69) Atrazine	11.127	200	150686	40.470	ng	99
70) Pentachlorophenol	11.233	266	114176	37.734	ng	99
71) Phenanthrene	11.457	178	816768	37.294	ng	100
72) Anthracene	11.510	178	848131	37.945	ng	99
73) Carbazole	11.663	167	750647	39.284	ng	99
74) Di-n-butylphthalate	11.986	149	835811	39.961	ng	99
75) Fluoranthene	12.645	202	823167	40.225	ng	99
77) Benzidine	12.763	184	361003	43.420	ng	100
78) Pyrene	12.874	202	811528	38.937	ng	100
80) Butylbenzylphthalate	13.486	149	246083	42.730	ng	100
81) Benzo(a)anthracene	14.063	228	567490	38.038	ng	100
82) 3,3'-Dichlorobenzidine	14.027	252	183460	40.543	ng	98
83) Chrysene	14.098	228	523334	39.038	ng	99
84) Bis(2-ethylhexyl)phtha...	14.045	149	287264	38.965	ng	99
85) Di-n-octyl phthalate	14.663	149	467708	32.445	ng	100
87) Indeno(1,2,3-cd)pyrene	17.086	276	581571	37.472	ng	99
88) Benzo(b)fluoranthene	15.127	252	504365	41.222	ng	99
89) Benzo(k)fluoranthene	15.157	252	416465	36.342	ng	98
90) Benzo(a)pyrene	15.504	252	452604	39.244	ng	98
91) Dibenzo(a,h)anthracene	17.104	278	472596	37.545	ng	98
92) Benzo(g,h,i)perylene	17.545	276	467824	37.158	ng	98

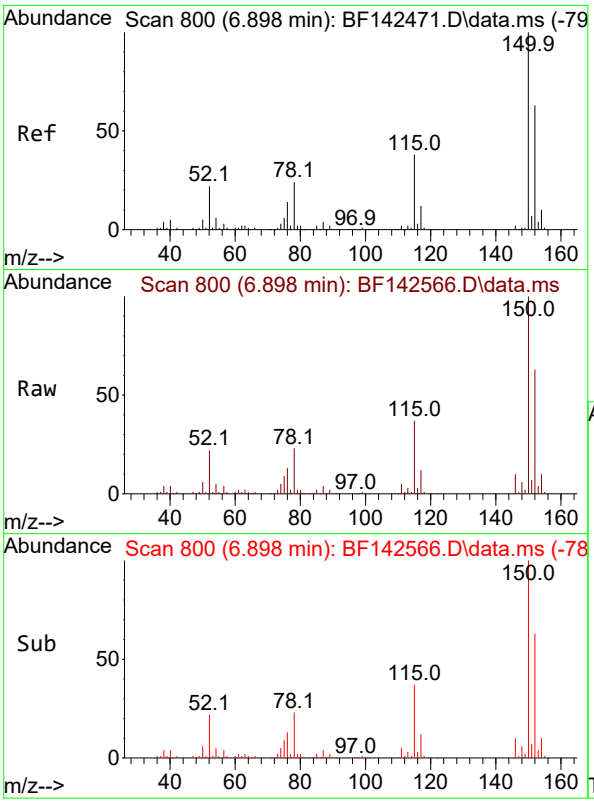
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142566.D
Acq On : 30 May 2025 13:20
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: May 30 13:42:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



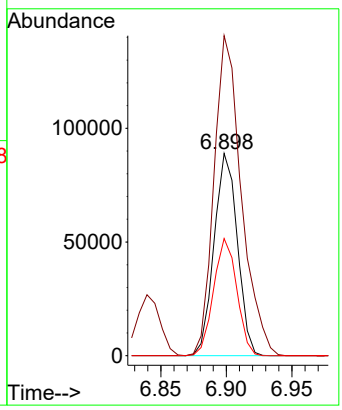


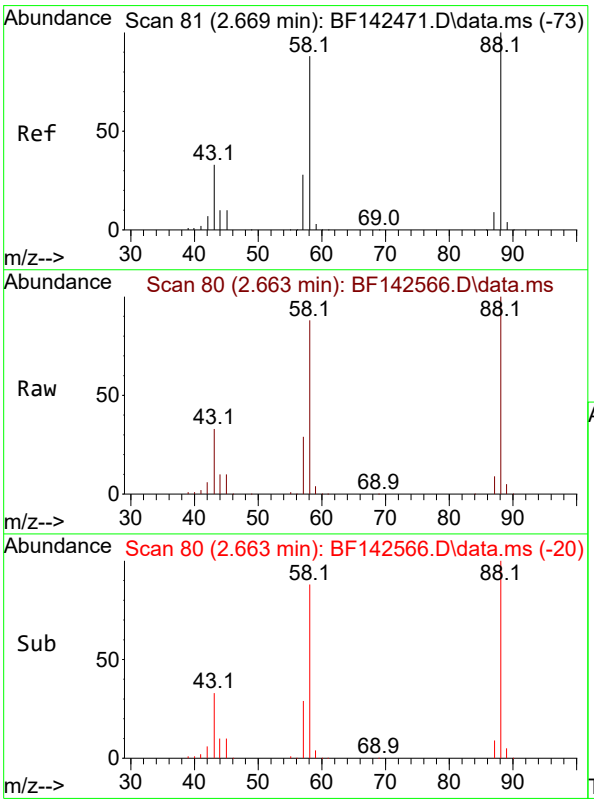
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 109753

Ion	Ratio	Lower	Upper
152	100		
150	158.2	128.2	192.4
115	57.9	48.3	72.5

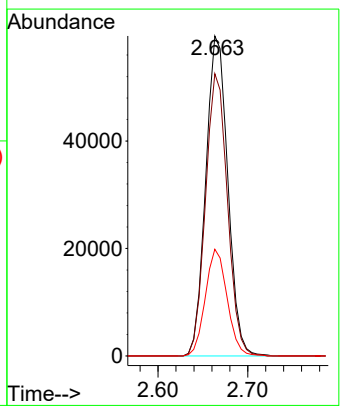


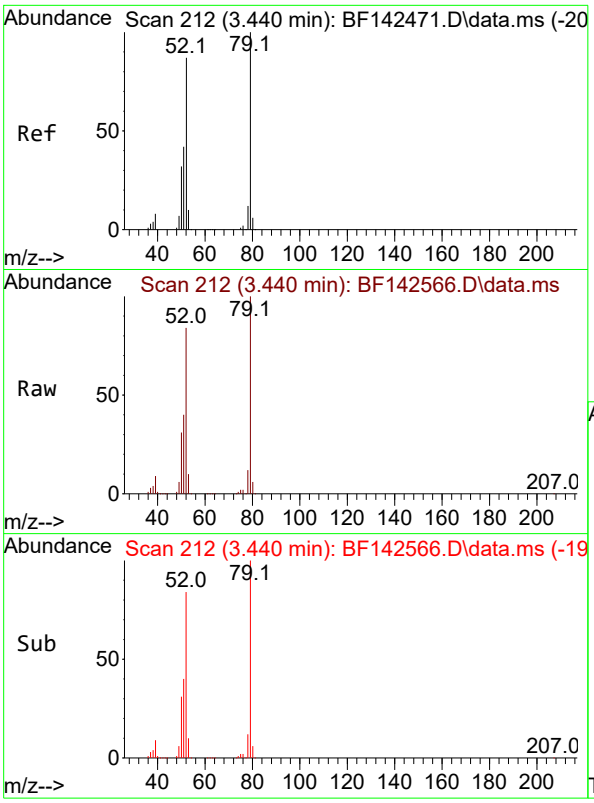


#2
1,4-Dioxane
Concen: 38.980 ng
RT: 2.663 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion: 88 Resp: 101615

Ion	Ratio	Lower	Upper
88	100		
58	87.6	70.8	106.2
43	32.9	26.6	40.0



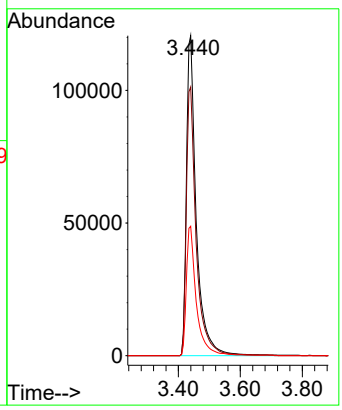


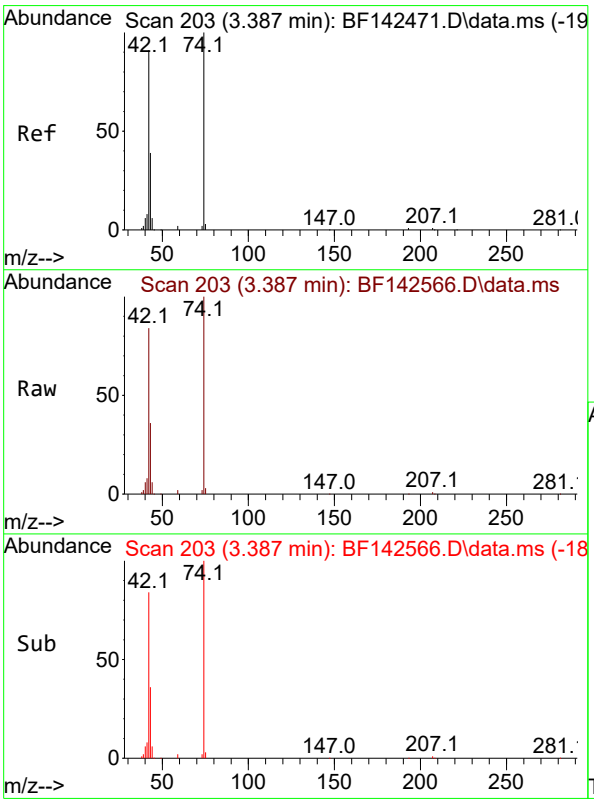
#3
Pyridine
Concen: 40.066 ng
RT: 3.440 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 265976

Ion	Ratio	Lower	Upper
79	100		
52	83.9	69.2	103.8
51	40.5	33.3	49.9

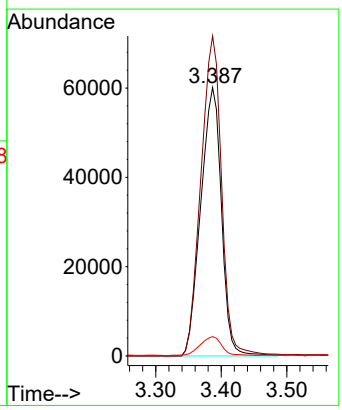


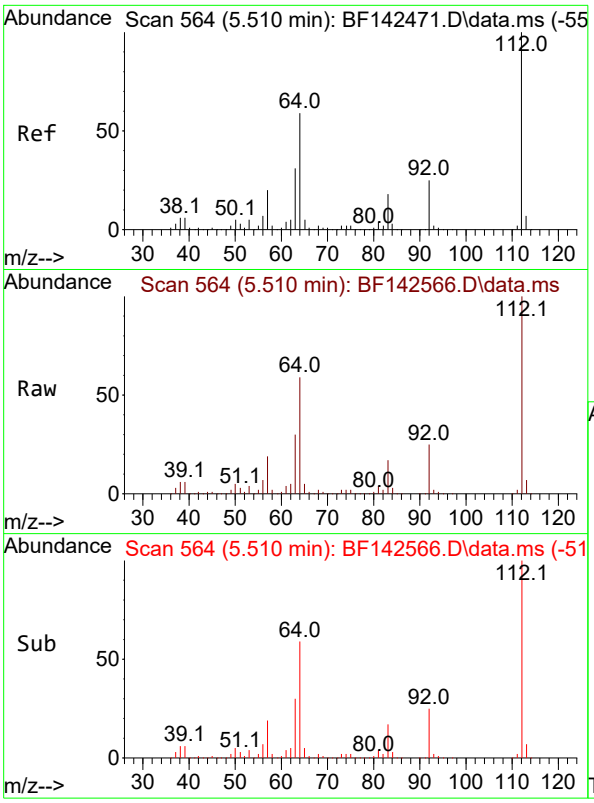


#4
n-Nitrosodimethylamine
Concen: 38.252 ng
RT: 3.387 min Scan# 203
Delta R.T. -0.018 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion: 42 Resp: 131847

Ion	Ratio	Lower	Upper
42	100		
74	119.2	88.2	132.4
44	7.2	5.4	8.2



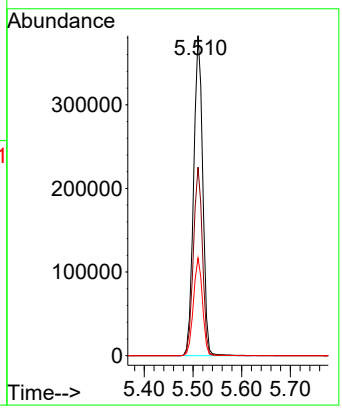


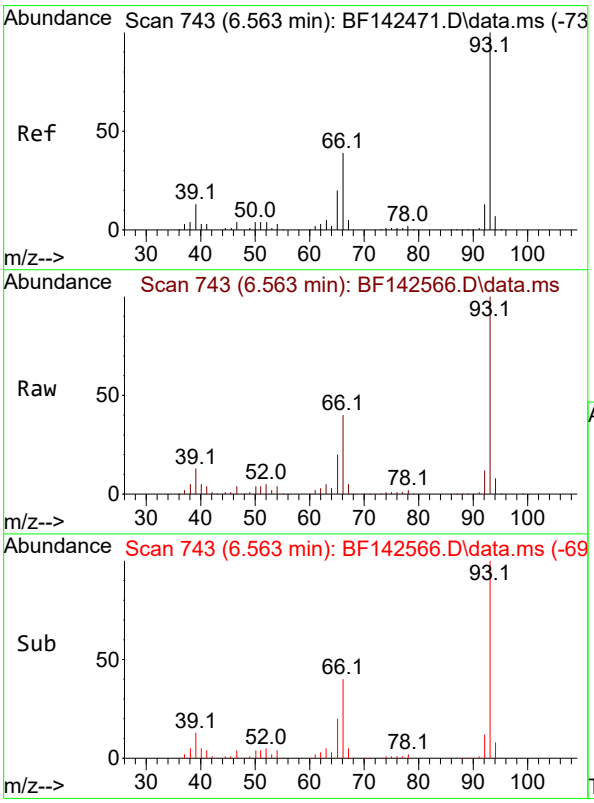
#5
2-Fluorophenol
Concen: 76.955 ng
RT: 5.510 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 501324

Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.5	71.3
63	30.5	24.9	37.3

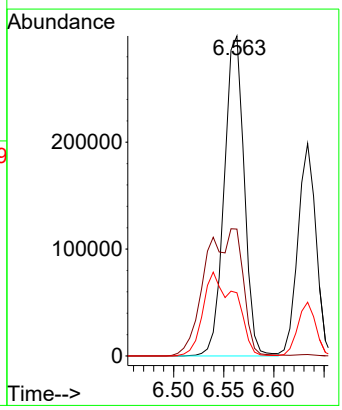


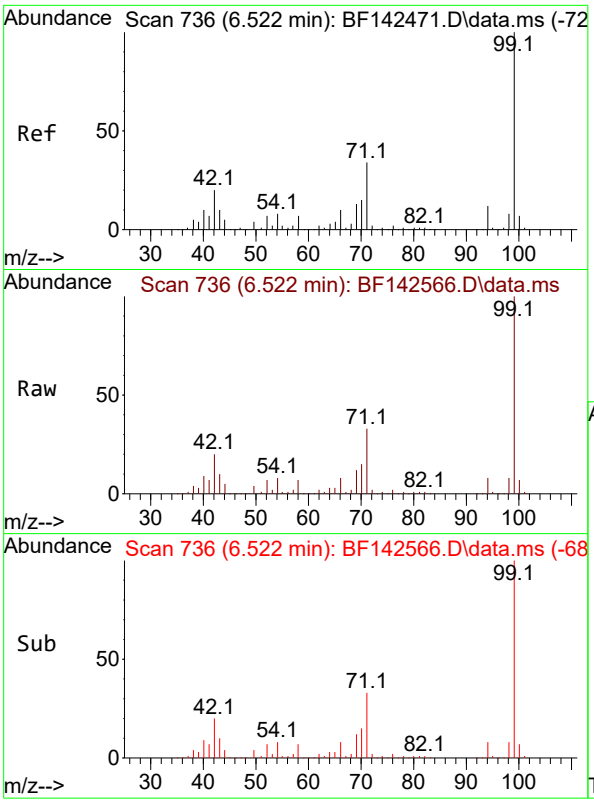


#6
Aniline
Concen: 39.416 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion: 93 Resp: 415610

Ion	Ratio	Lower	Upper
93	100		
66	39.7	32.0	48.0
65	19.7	16.1	24.1



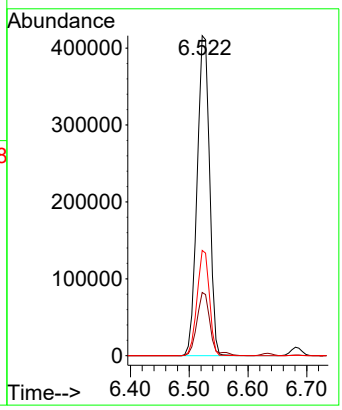


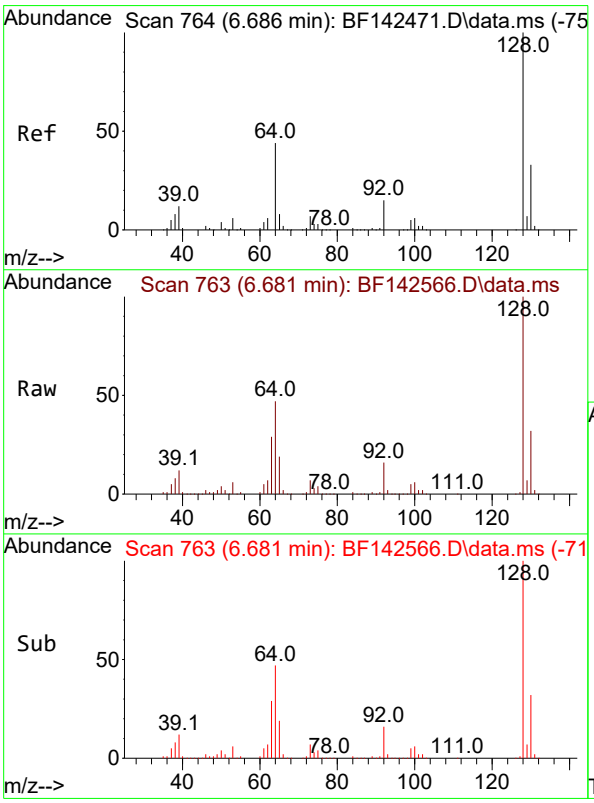
#7
Phenol-d6
Concen: 78.117 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 612585

Ion	Ratio	Lower	Upper
99	100		
42	19.8	16.2	24.2
71	32.9	27.3	40.9

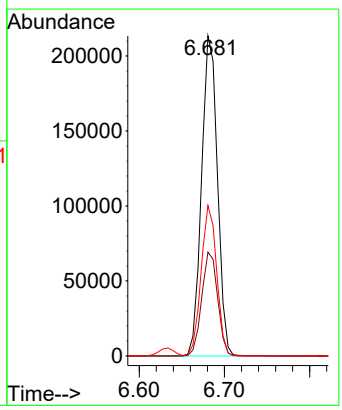


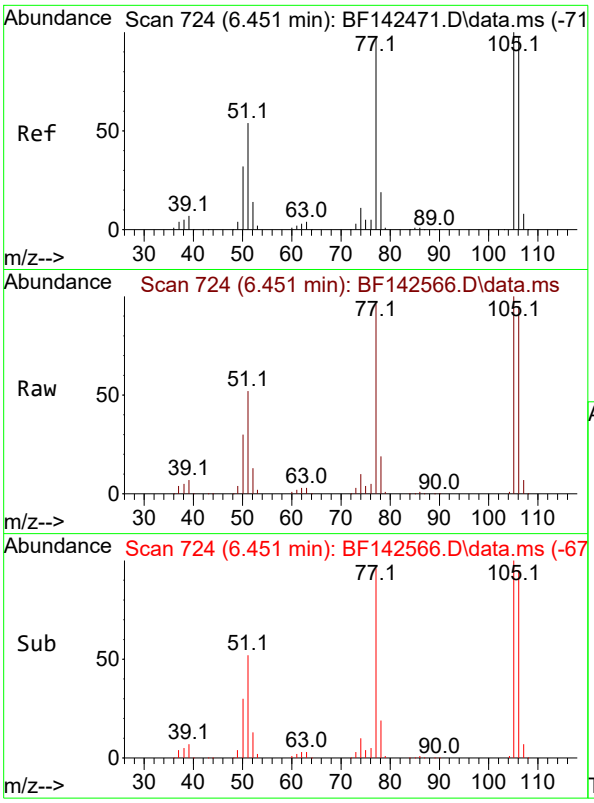


#8
2-Chlorophenol
Concen: 38.865 ng
RT: 6.681 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:128 Resp: 275775

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.6	52.6
64	47.0	25.1	65.1



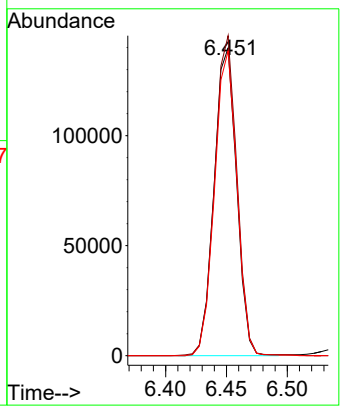


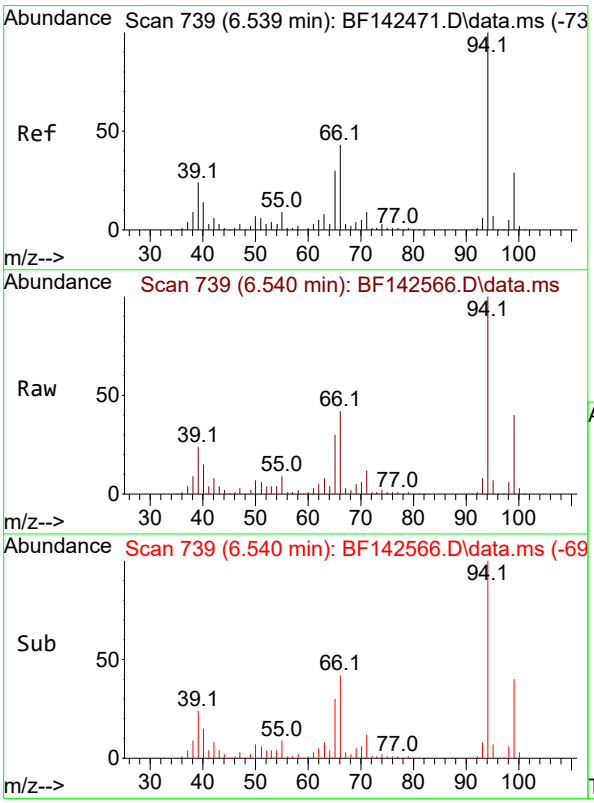
#9
Benzaldehyde
Concen: 38.086 ng
RT: 6.451 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 179637

Ion	Ratio	Lower	Upper
77	100		
105	104.0	82.5	122.5
106	99.0	80.0	120.0

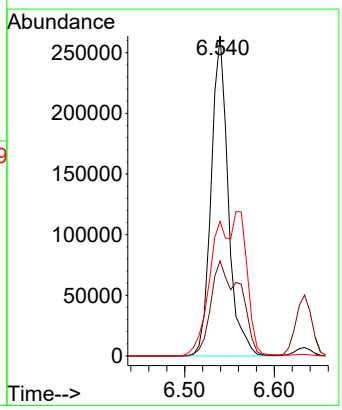


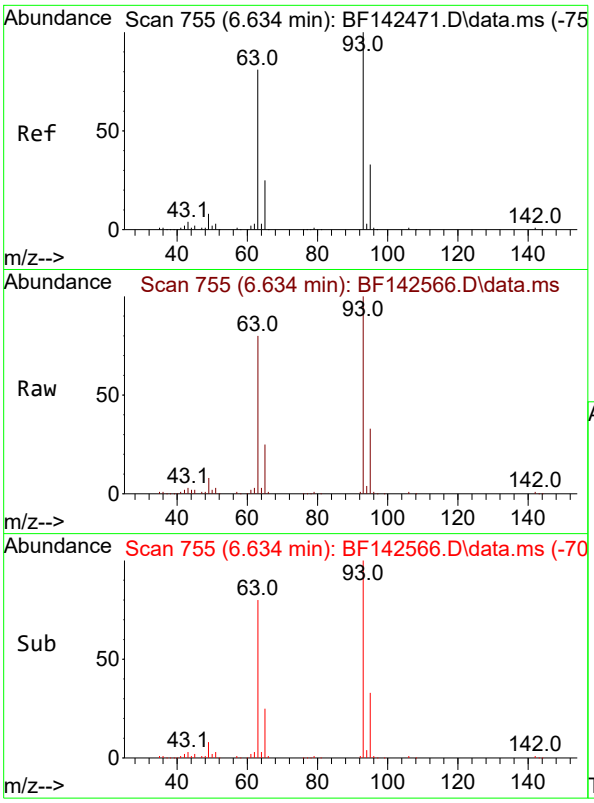


#10
Phenol
Concen: 39.414 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion: 94 Resp: 347783

Ion	Ratio	Lower	Upper
94	100		
65	29.7	10.3	50.3
66	42.1	22.6	62.6



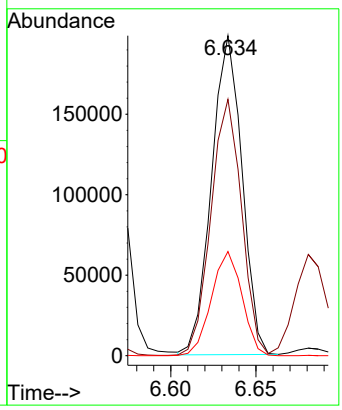


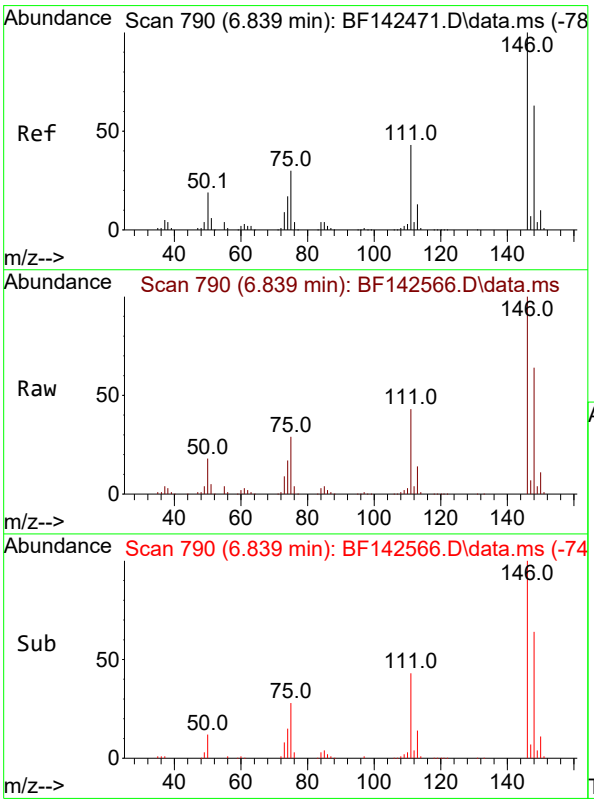
#11
bis(2-Chloroethyl)ether
Concen: 38.816 ng
RT: 6.634 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 246545

Ion	Ratio	Lower	Upper
93	100		
63	80.1	60.2	100.2
95	32.5	12.3	52.3

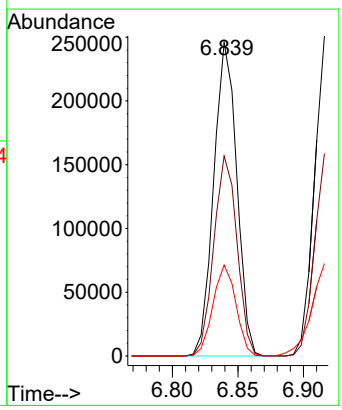


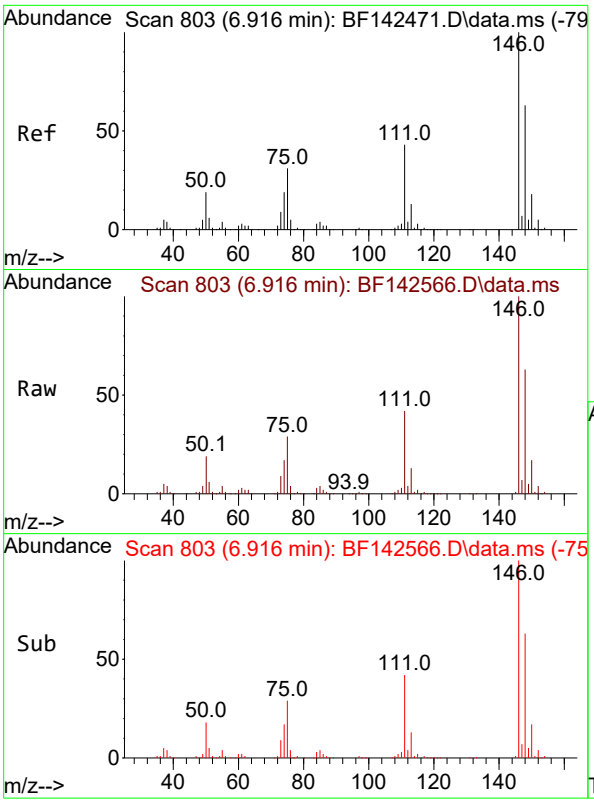


#12
1,3-Dichlorobenzene
Concen: 37.995 ng
RT: 6.839 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:146 Resp: 300831

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.6	75.8
75	29.0	23.8	35.6



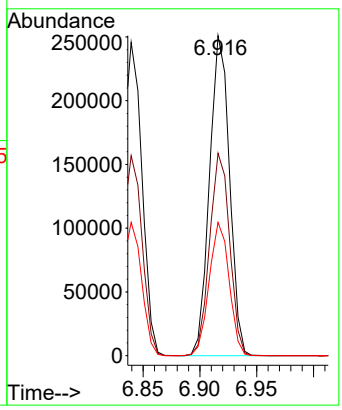


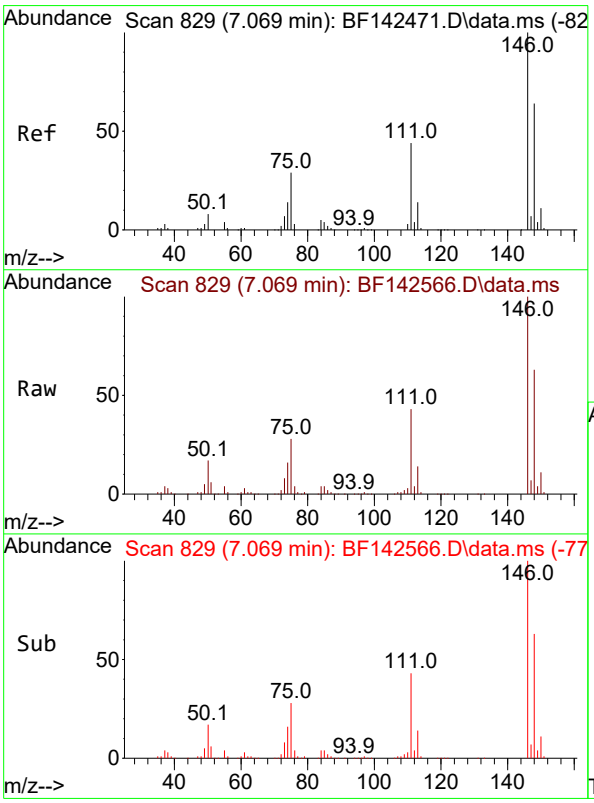
#13
1,4-Dichlorobenzene
Concen: 38.536 ng
RT: 6.916 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 307347

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.4	75.6
111	41.7	34.1	51.1

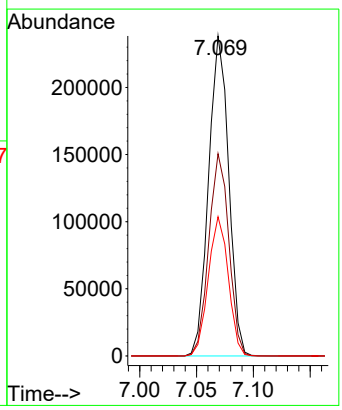


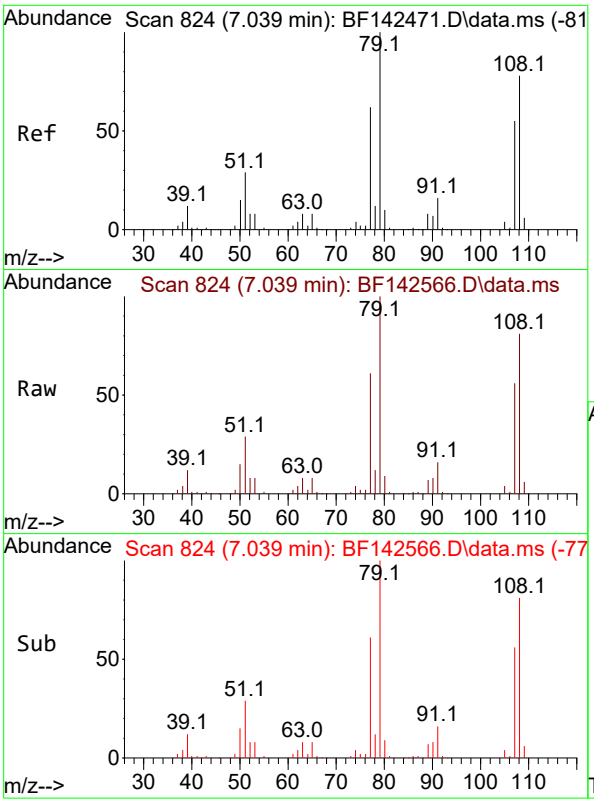


#14
1,2-Dichlorobenzene
Concen: 38.432 ng
RT: 7.069 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:146 Resp: 293302

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.0	76.4
111	43.5	35.0	52.6



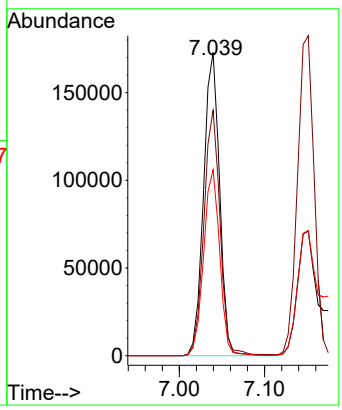


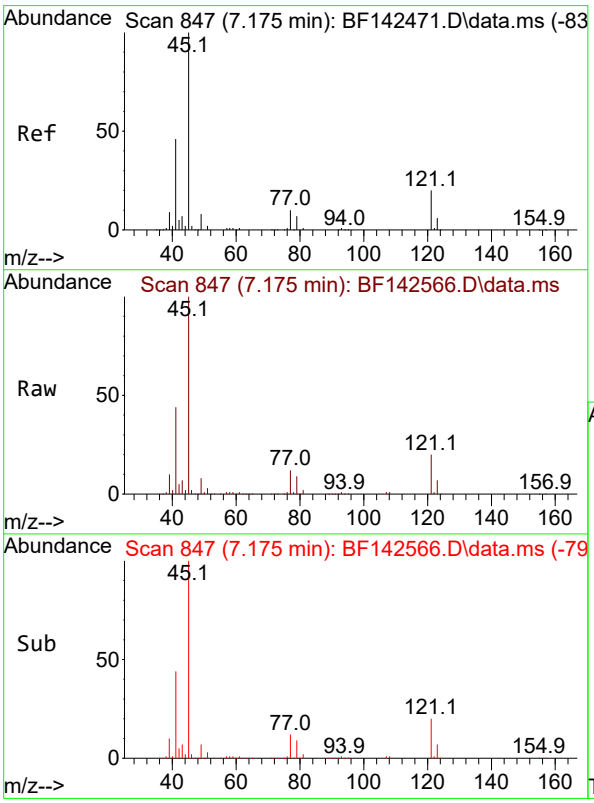
#15
Benzyl Alcohol
Concen: 38.981 ng
RT: 7.039 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 225900

Ion	Ratio	Lower	Upper
79	100		
108	80.9	62.1	93.1
77	61.3	49.5	74.3

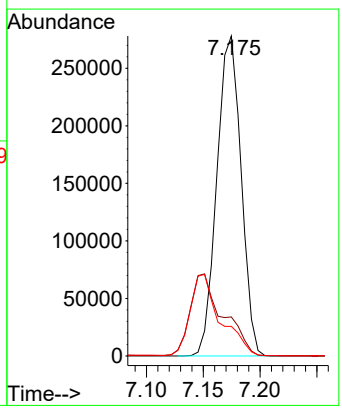


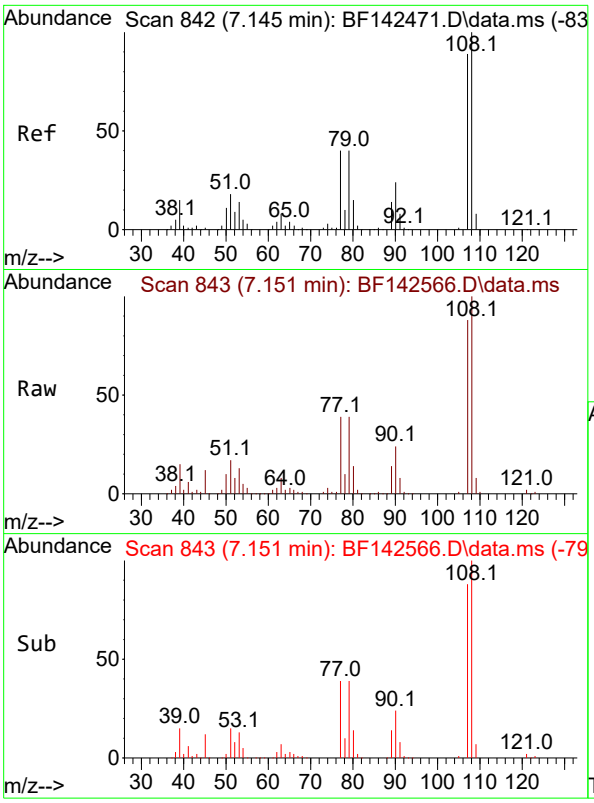


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.703 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion: 45 Resp: 412827

Ion	Ratio	Lower	Upper
45	100		
77	12.2	0.0	32.0
79	9.3	0.0	29.2



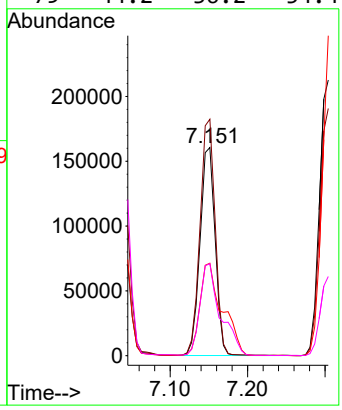


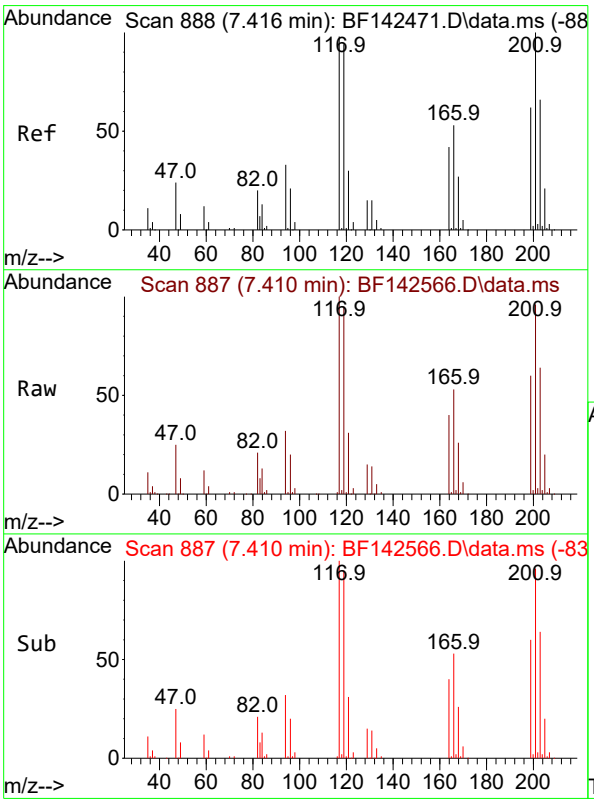
#17
2-Methylphenol
Concen: 39.316 ng
RT: 7.151 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 217808

Ion	Ratio	Lower	Upper
107	100		
108	113.6	90.2	135.2
77	44.4	36.1	54.1
79	44.2	36.2	54.4

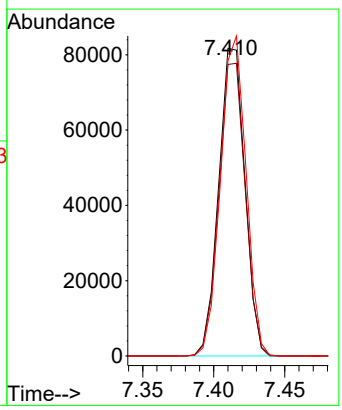


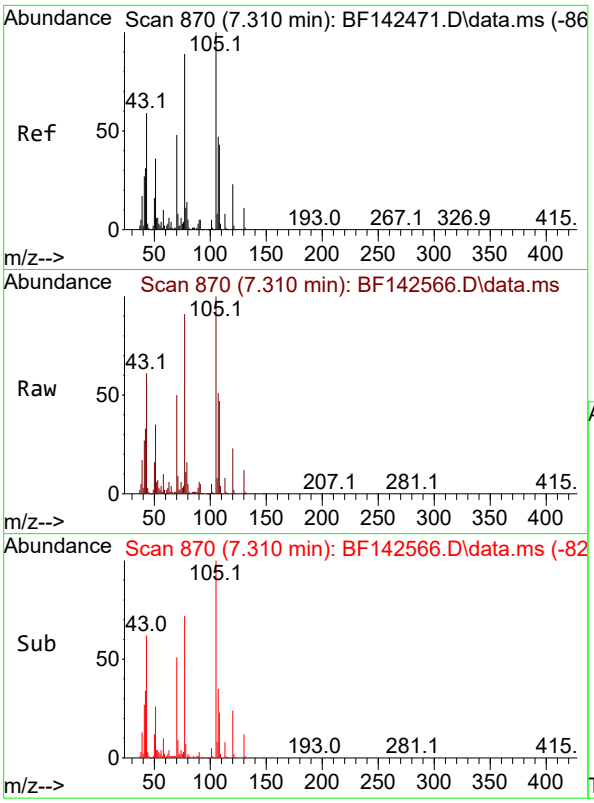


#18
Hexachloroethane
Concen: 37.722 ng
RT: 7.410 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:117 Resp: 105055

Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.6	114.8
201	96.0	81.3	121.9



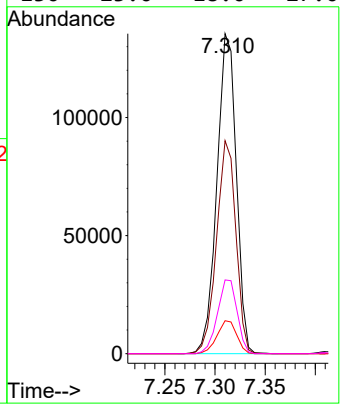


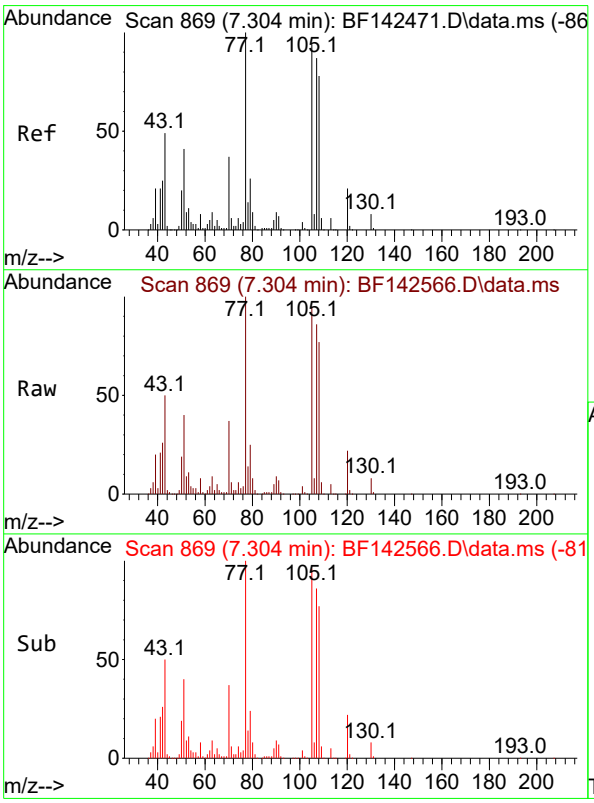
#19
n-Nitroso-di-n-propylamine
Concen: 37.494 ng
RT: 7.310 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 182225

Ion	Ratio	Lower	Upper
70	100		
42	66.6	52.4	78.6
101	10.3	7.8	11.8
130	23.0	18.0	27.0

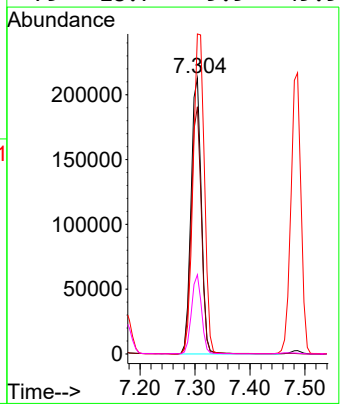


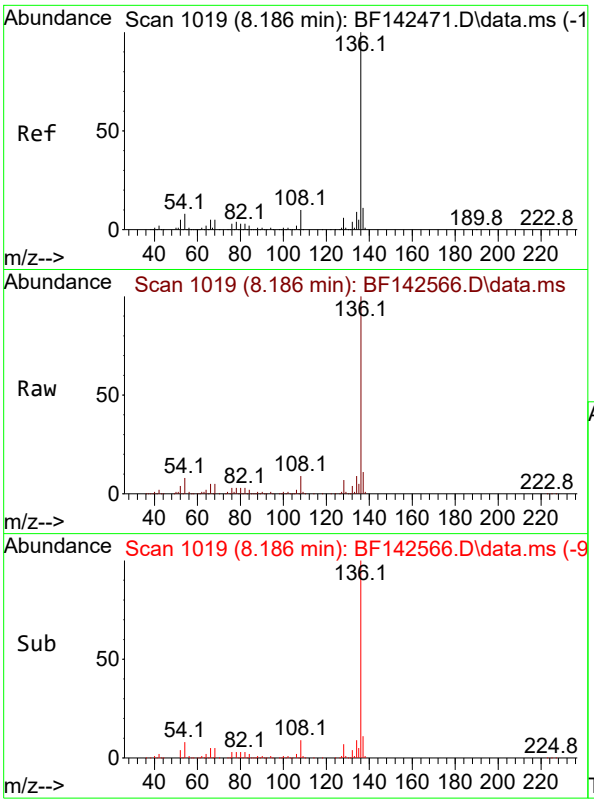


#20
3+4-Methylphenols
Concen: 39.012 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:107 Resp: 276765

Ion	Ratio	Lower	Upper
107	100		
108	89.7	70.4	110.4
77	116.1	95.4	135.4
79	28.7	9.9	49.9



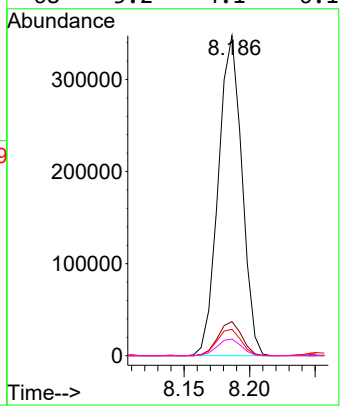


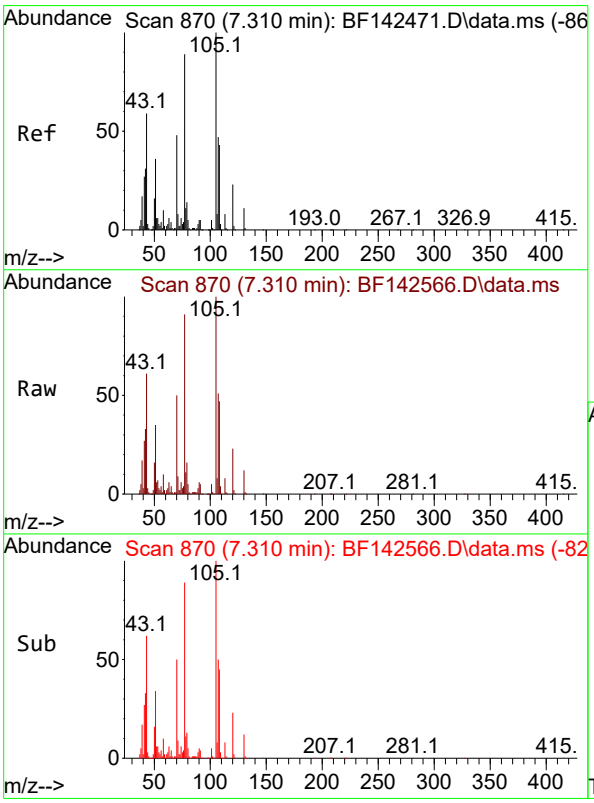
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 434666

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.2	6.6	10.0
68	5.2	4.1	6.1

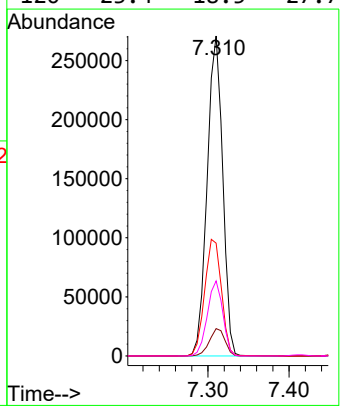


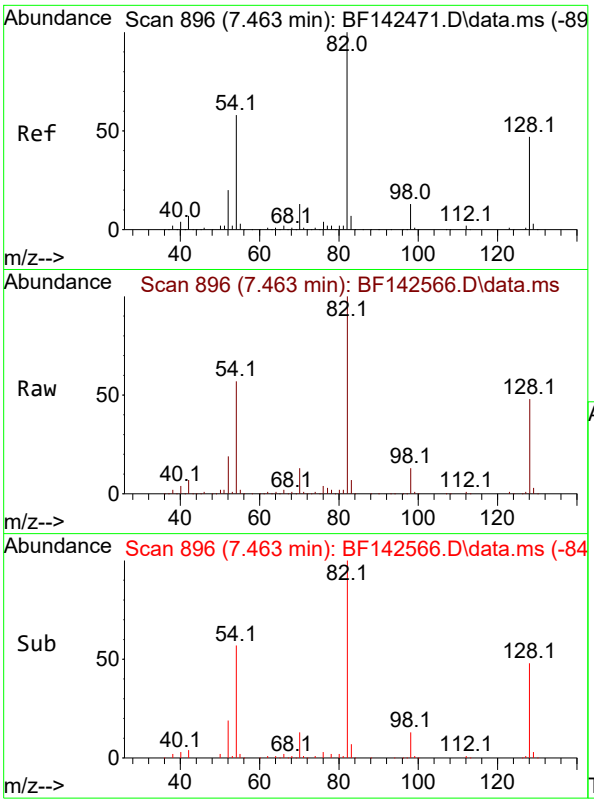


#22
Acetophenone
Concen: 37.376 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:105 Resp: 359638

Ion	Ratio	Lower	Upper
105	100		
71	8.5	6.4	9.6
51	35.3	28.6	42.8
120	23.4	18.5	27.7



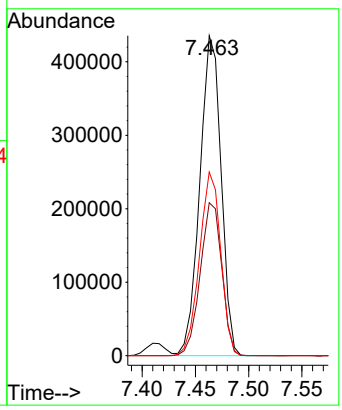


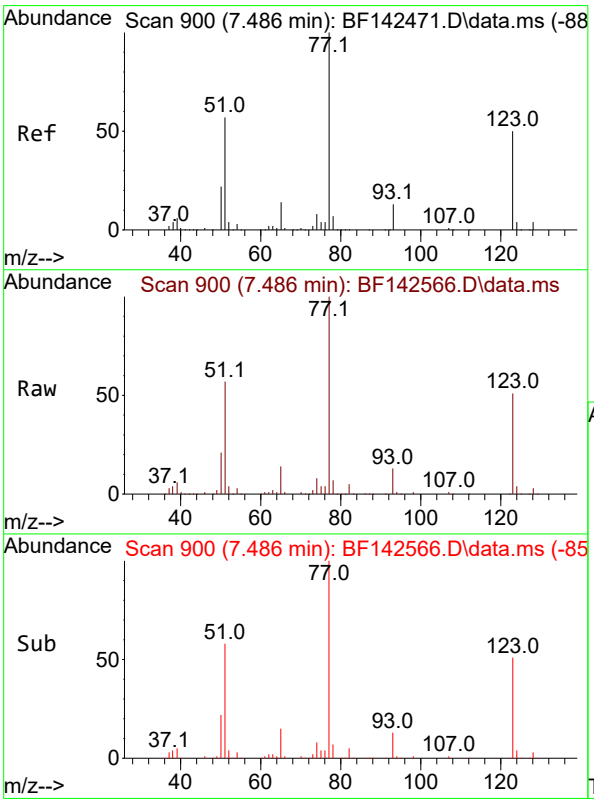
#23
Nitrobenzene-d5
Concen: 76.107 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 606675

Ion	Ratio	Lower	Upper
82	100		
128	47.8	37.4	56.2
54	57.4	46.6	70.0

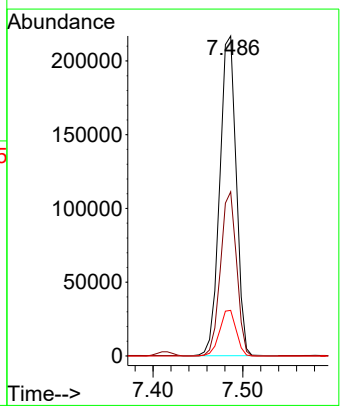


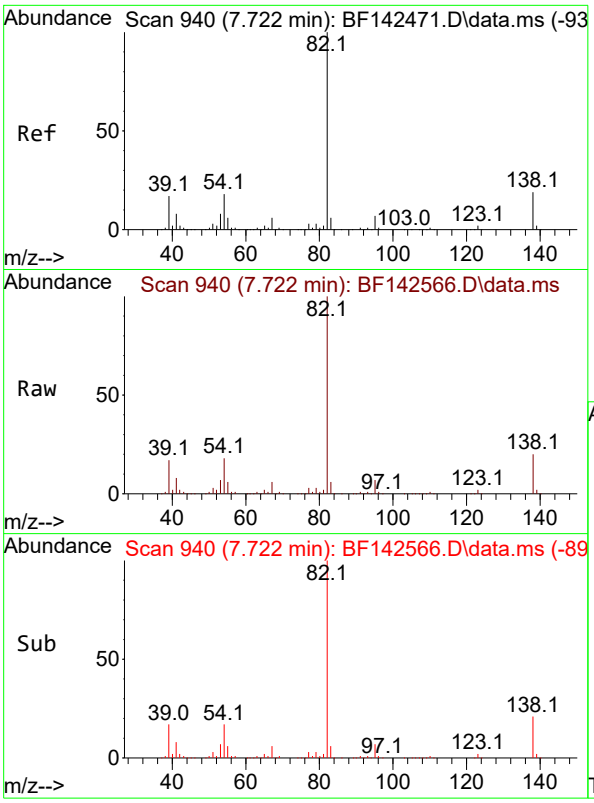


#24
Nitrobenzene
Concen: 38.488 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion: 77 Resp: 276705

Ion	Ratio	Lower	Upper
77	100		
123	51.3	40.6	61.0
65	14.3	11.4	17.2



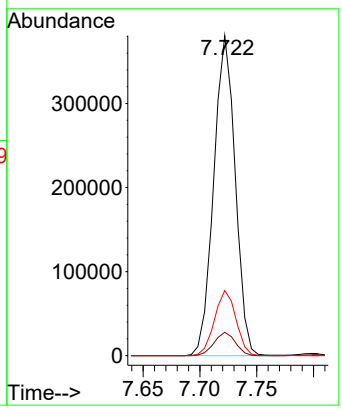


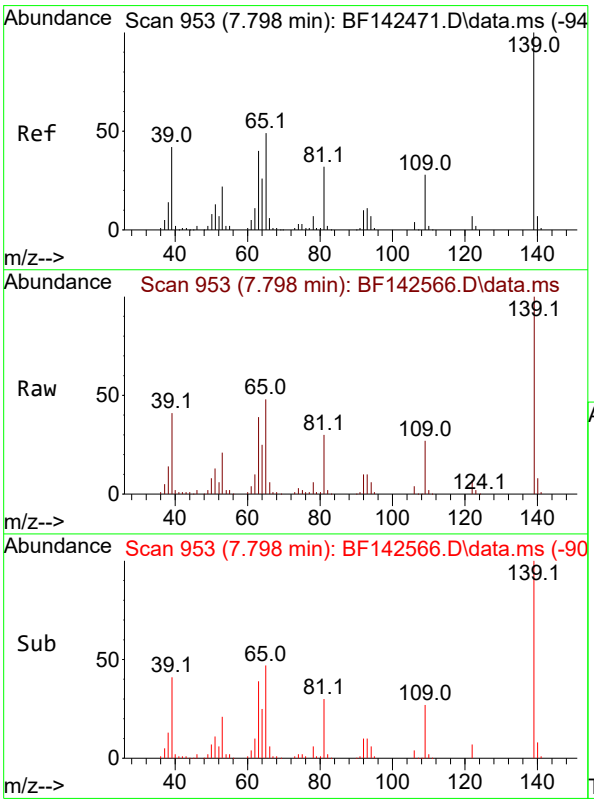
#25
Isophorone
Concen: 37.650 ng
RT: 7.722 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 501781

Ion	Ratio	Lower	Upper
82	100		
95	7.3	6.0	9.0
138	20.4	15.5	23.3

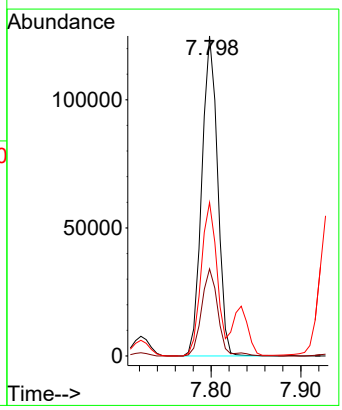


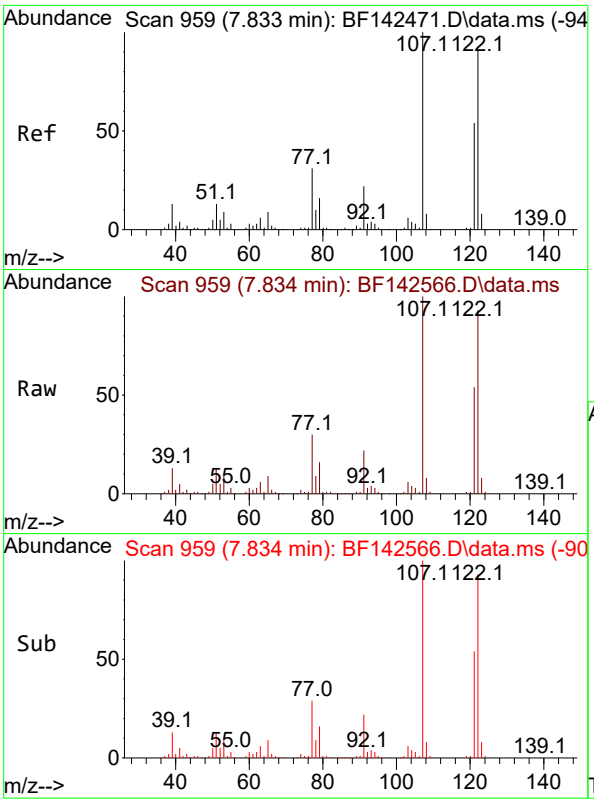


#26
2-Nitrophenol
Concen: 39.647 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:139 Resp: 152307

Ion	Ratio	Lower	Upper
139	100		
109	27.2	22.6	33.8
65	48.0	39.4	59.0



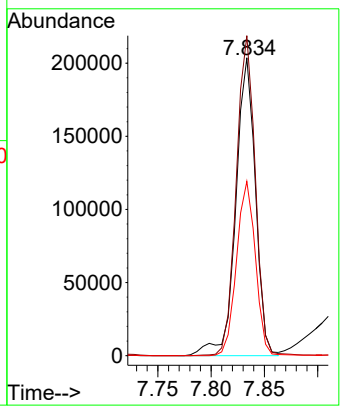


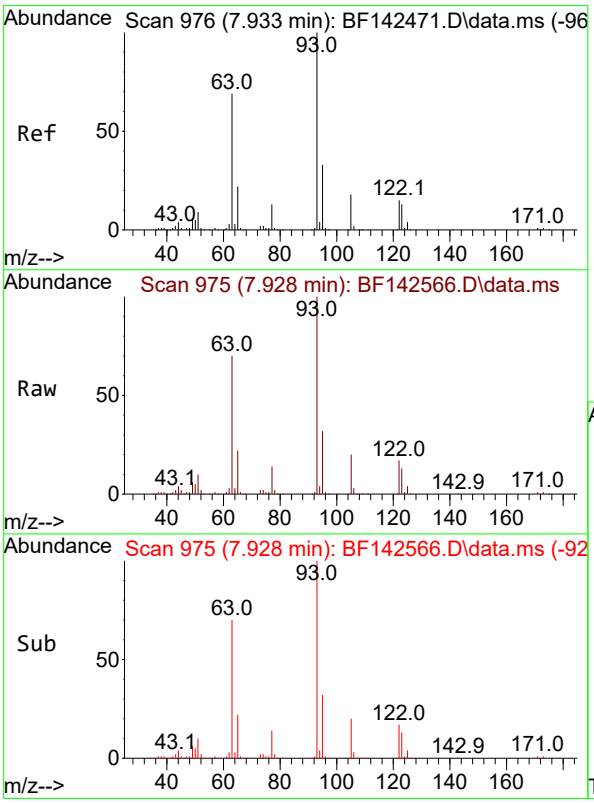
#27
2,4-Dimethylphenol
Concen: 38.780 ng
RT: 7.834 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 262718

Ion	Ratio	Lower	Upper
122	100		
107	107.4	88.1	132.1
121	58.5	47.3	70.9

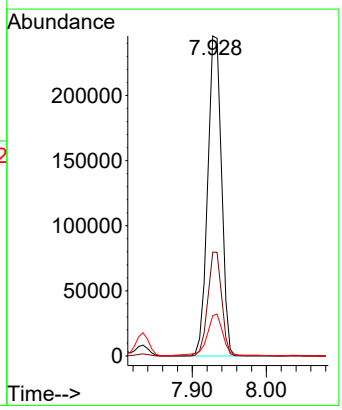


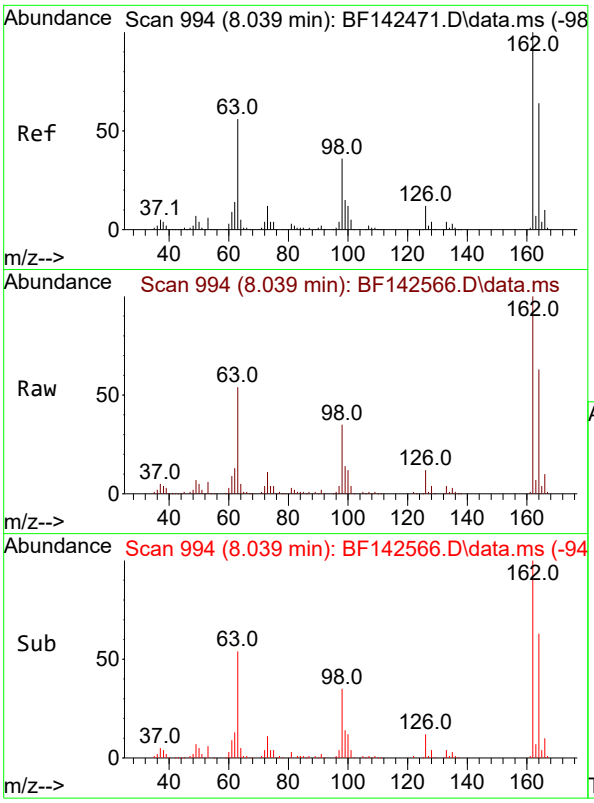


#28
bis(2-Chloroethoxy)methane
Concen: 38.289 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.012 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion: 93 Resp: 318773

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.4	39.6
123	12.6	10.6	15.8



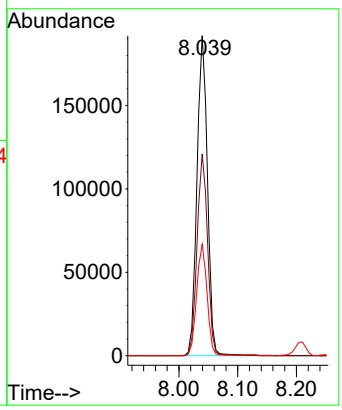


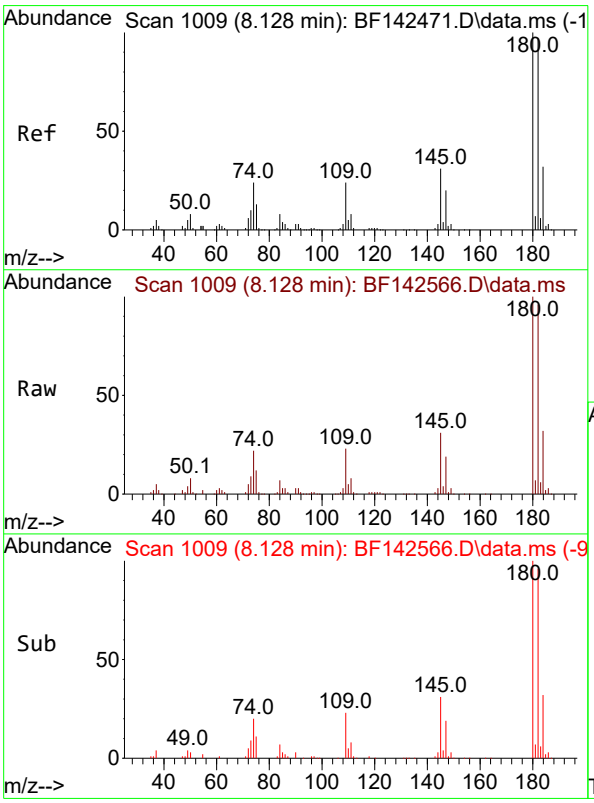
#29
2,4-Dichlorophenol
Concen: 38.539 ng
RT: 8.039 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 237437

Ion	Ratio	Lower	Upper
162	100		
164	63.1	43.7	83.7
98	34.8	15.5	55.5

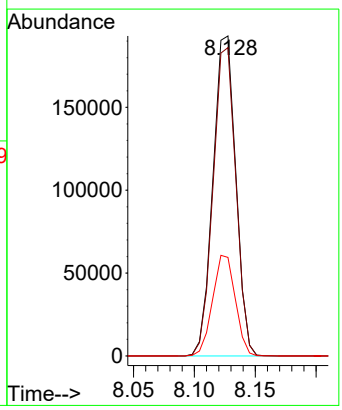


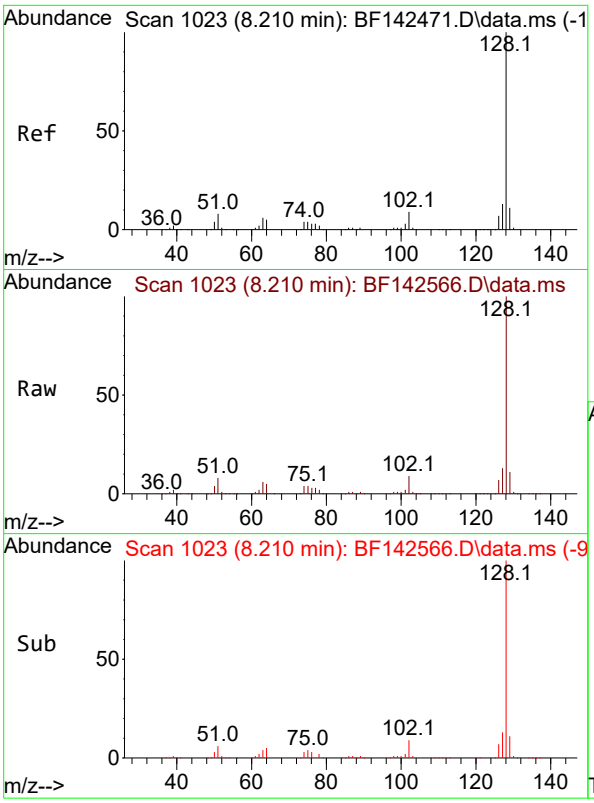


#30
1,2,4-Trichlorobenzene
Concen: 37.755 ng
RT: 8.128 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:180 Resp: 252442

Ion	Ratio	Lower	Upper
180	100		
182	96.4	78.0	117.0
145	30.8	25.0	37.6



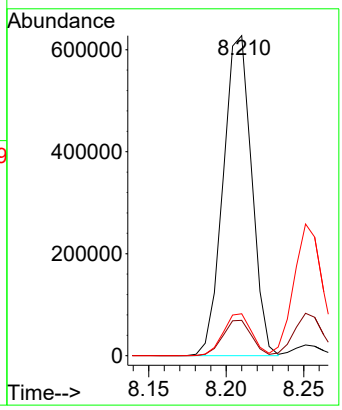


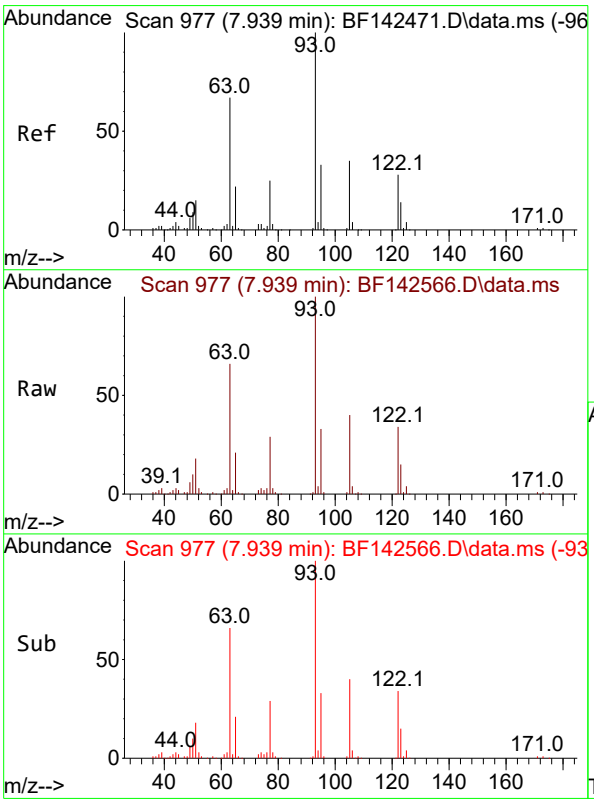
#31
Naphthalene
Concen: 37.447 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 801463

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.1	10.5	15.7

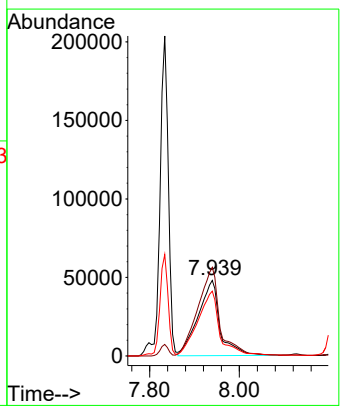


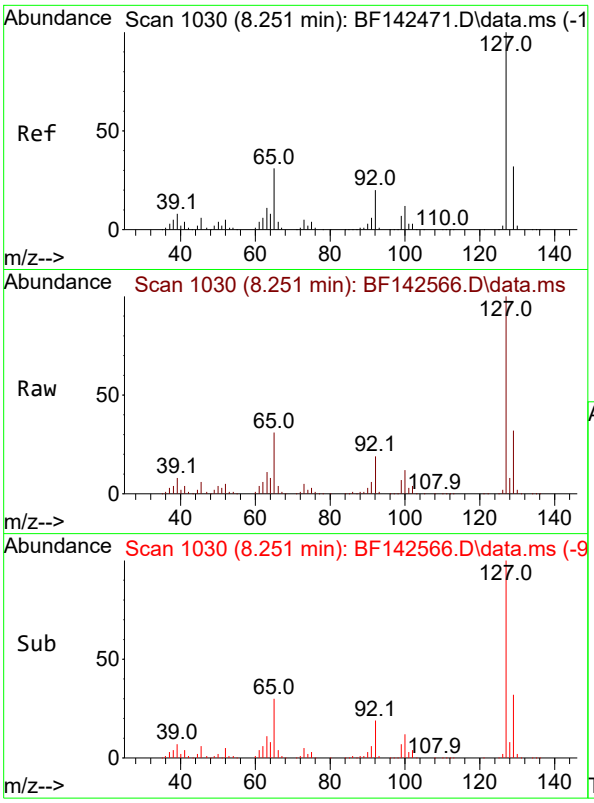


#32
Benzoic acid
Concen: 39.371 ng
RT: 7.939 min Scan# 977
Delta R.T. -0.036 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:122 Resp: 162361

Ion	Ratio	Lower	Upper
122	100		
105	117.3	101.7	141.7
77	85.7	69.5	109.5



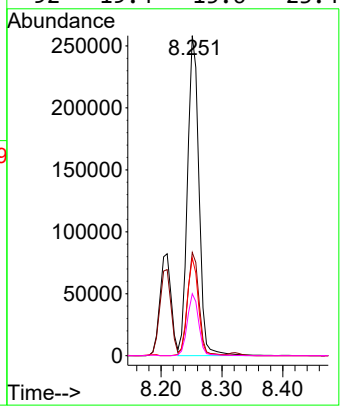


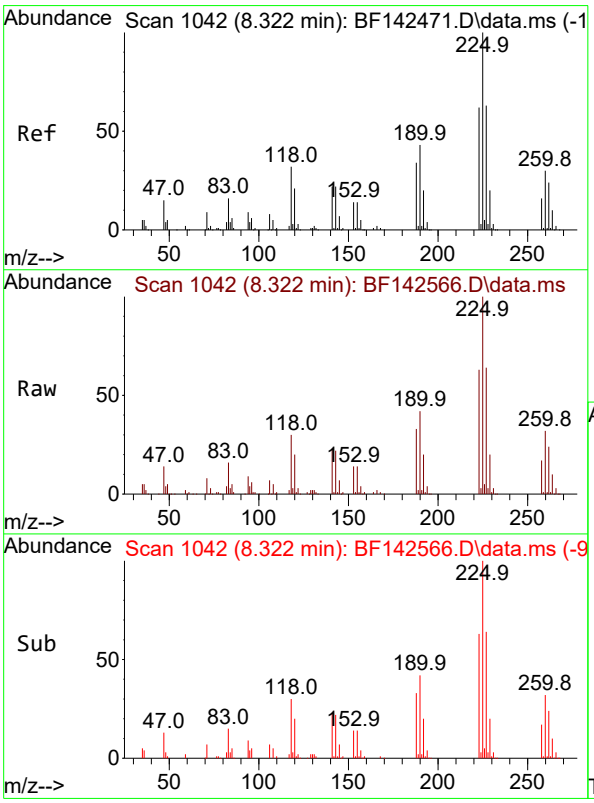
#33
4-Chloroaniline
Concen: 38.689 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 335533

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.1	39.1
65	30.5	24.9	37.3
92	19.4	15.6	23.4

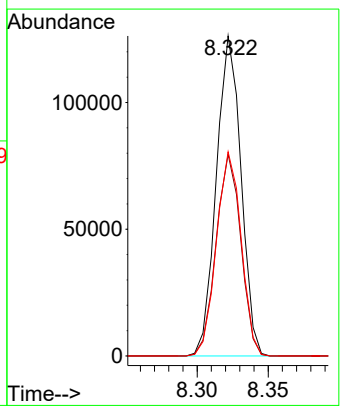


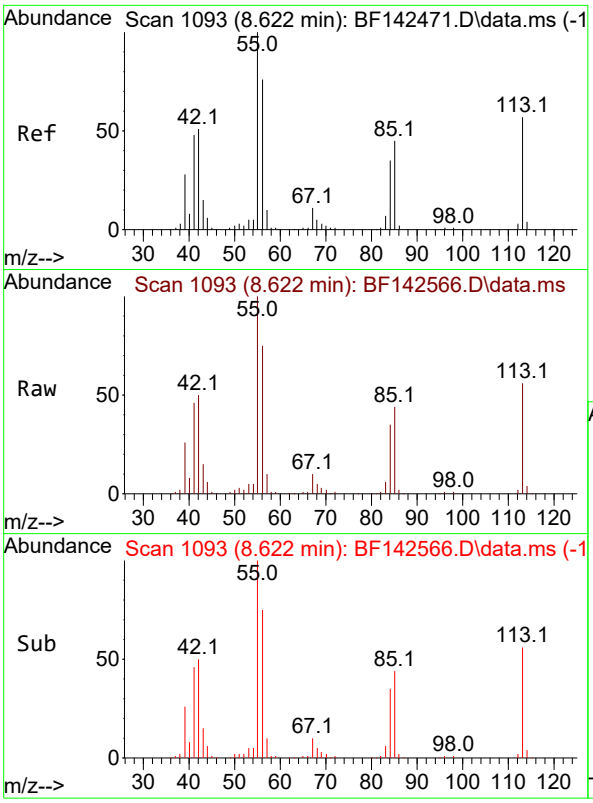


#34
Hexachlorobutadiene
Concen: 36.473 ng
RT: 8.322 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:225 Resp: 152271

Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.7	74.5
227	63.8	50.3	75.5



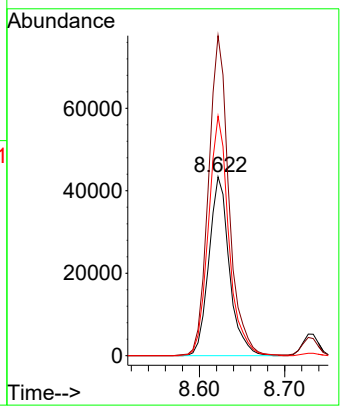


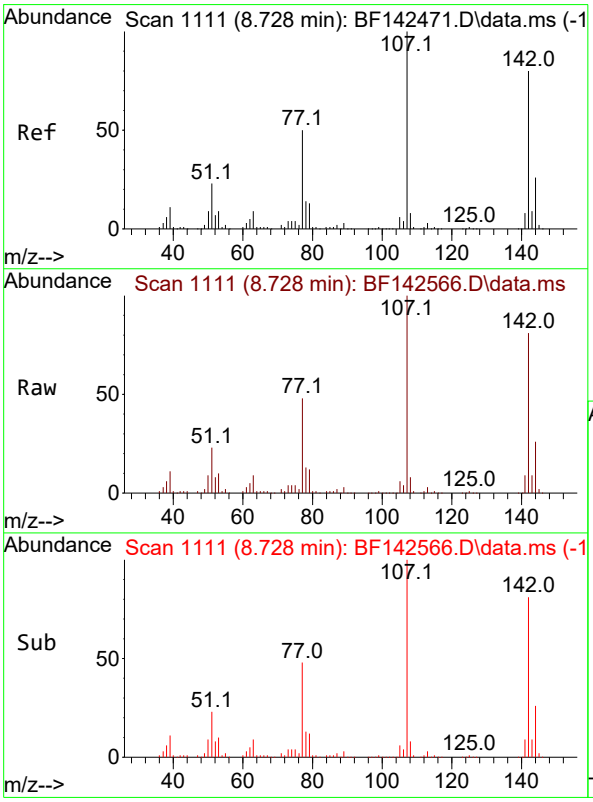
#35
Caprolactam
Concen: 41.805 ng
RT: 8.622 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 72337

Ion	Ratio	Lower	Upper
113	100		
55	178.8	154.7	194.7
56	133.8	113.2	153.2

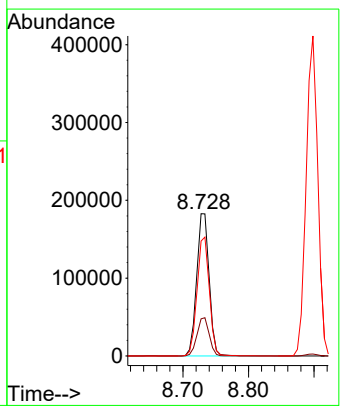


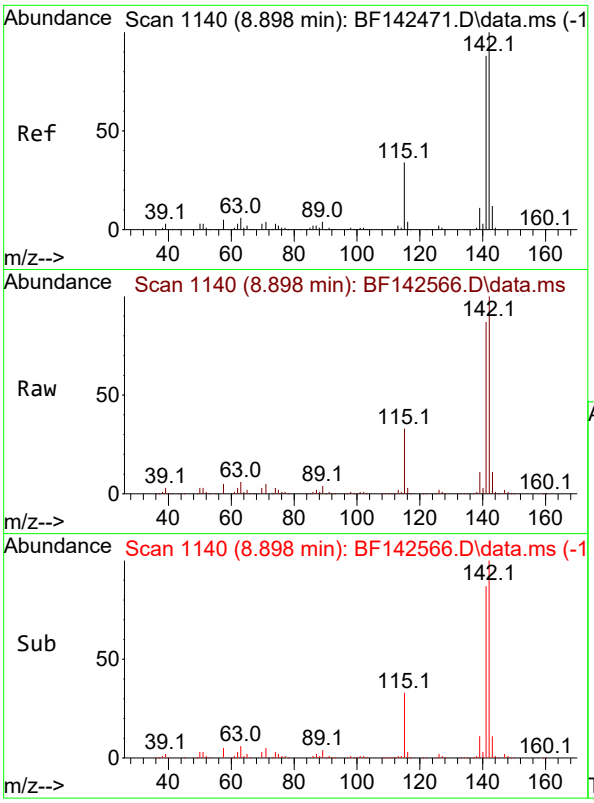


#36
4-Chloro-3-methylphenol
Concen: 38.452 ng
RT: 8.728 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:107 Resp: 242785

Ion	Ratio	Lower	Upper
107	100		
144	26.1	20.9	31.3
142	80.7	64.2	96.2



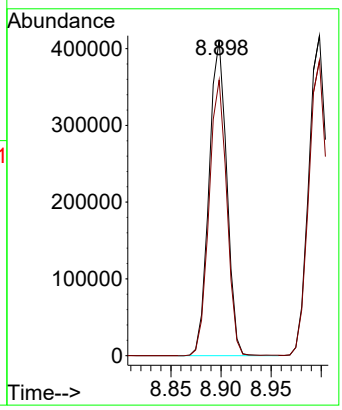


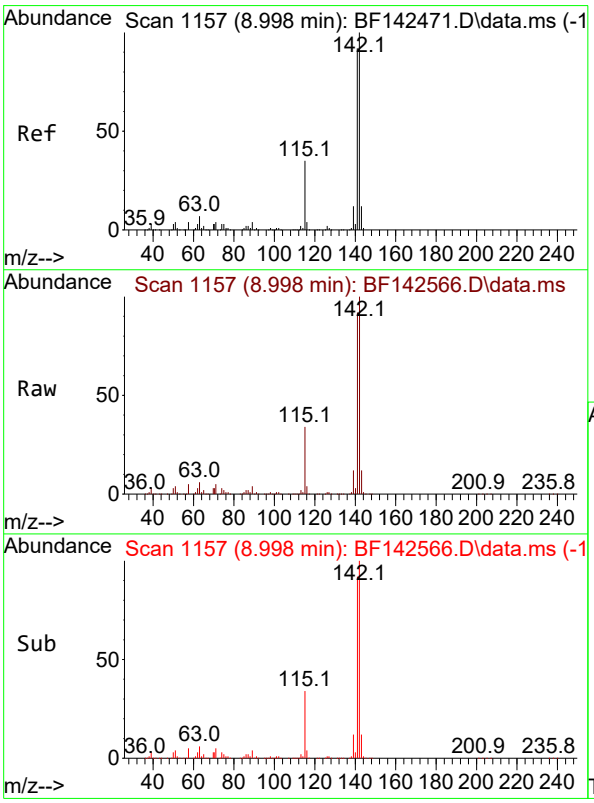
#37
2-Methylnaphthalene
Concen: 37.642 ng
RT: 8.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 506841

Ion	Ratio	Lower	Upper
142	100		
141	87.3	70.7	106.1

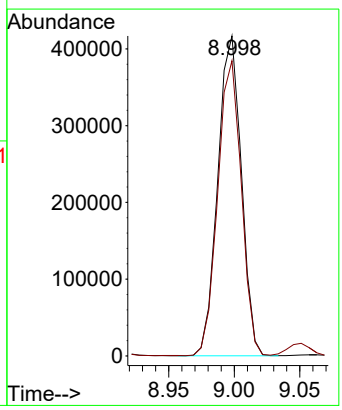


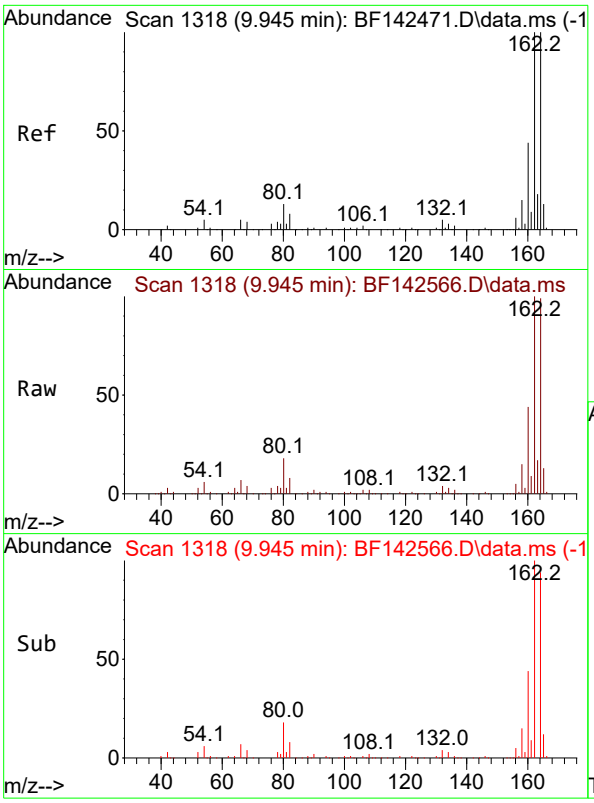


#38
1-Methylnaphthalene
Concen: 37.334 ng
RT: 8.998 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:142 Resp: 519985

Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.4	110.2



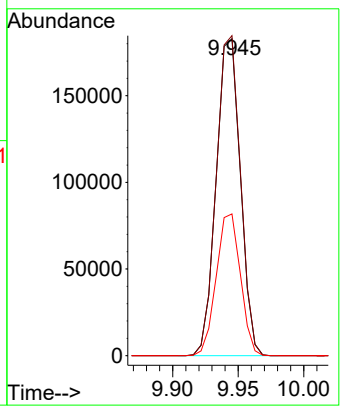


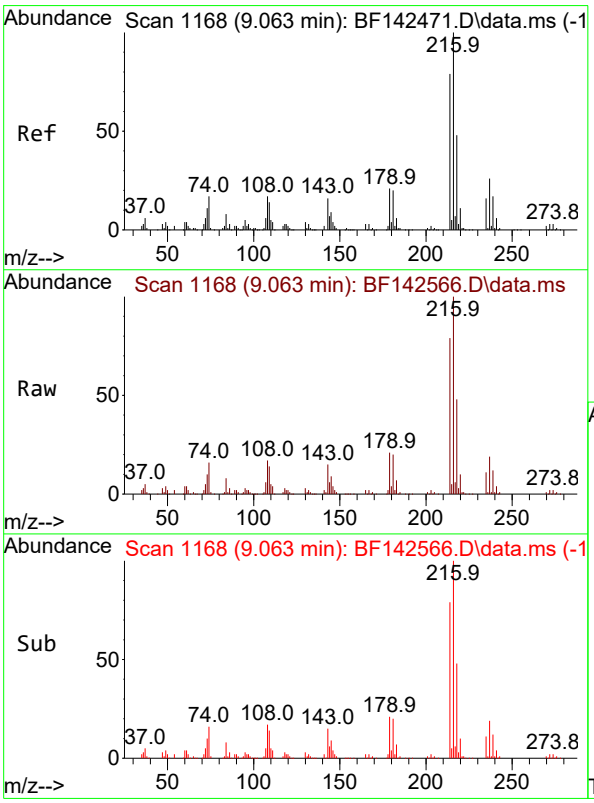
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 234624

Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.2	120.4
160	44.7	35.6	53.4

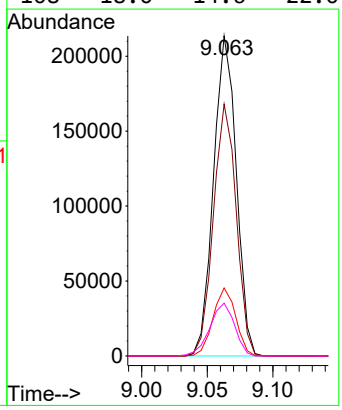


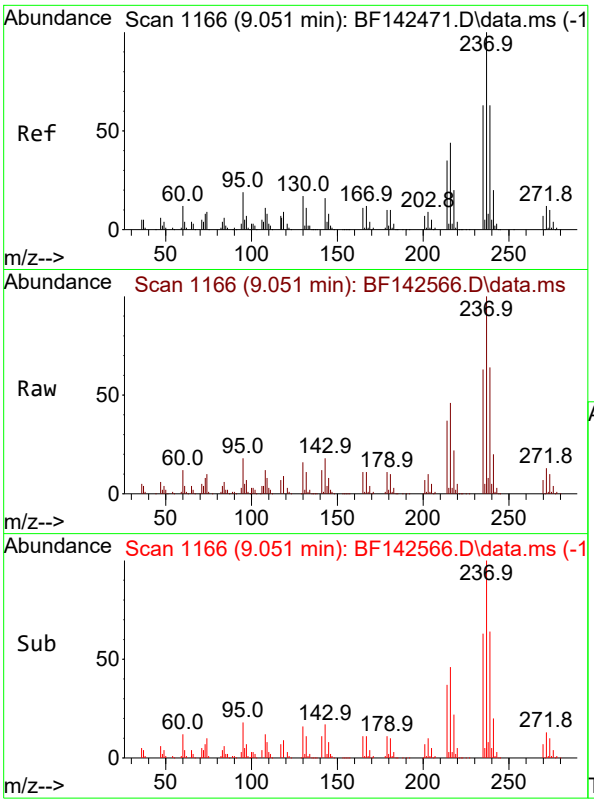


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.226 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:216 Resp: 257455

Ion	Ratio	Lower	Upper
216	100		
214	78.8	62.9	94.3
179	21.1	16.9	25.3
108	18.0	14.6	22.0



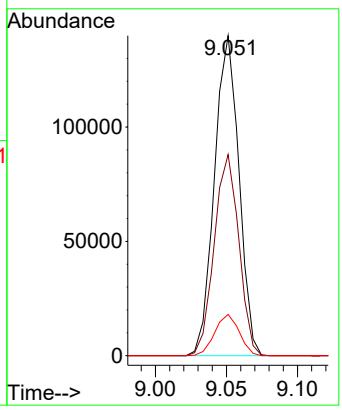


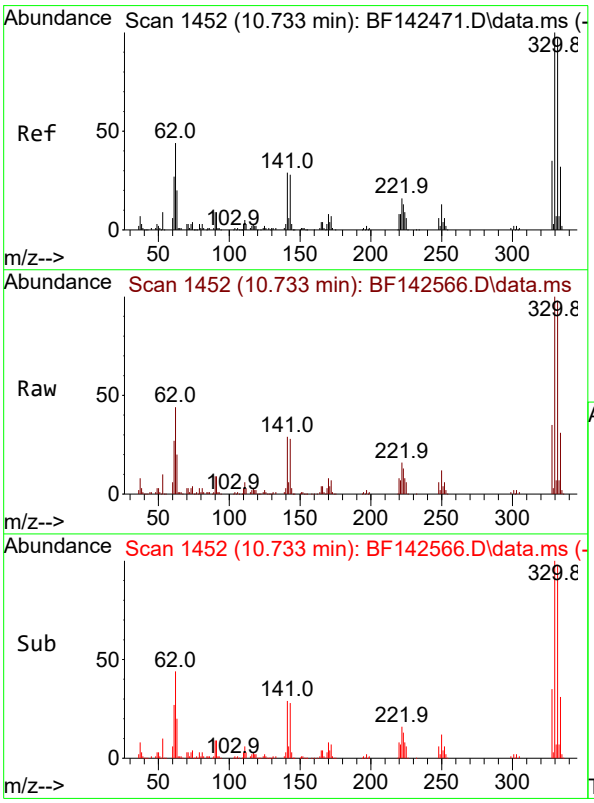
#41
Hexachlorocyclopentadiene
Concen: 36.924 ng
RT: 9.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 167761

Ion	Ratio	Lower	Upper
237	100		
235	62.8	43.3	83.3
272	12.9	0.0	32.4

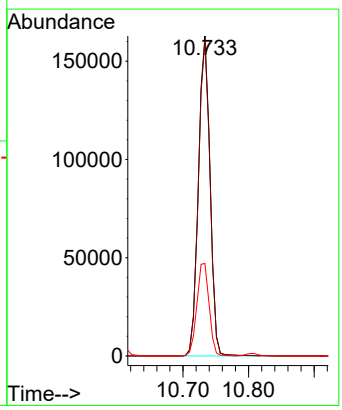


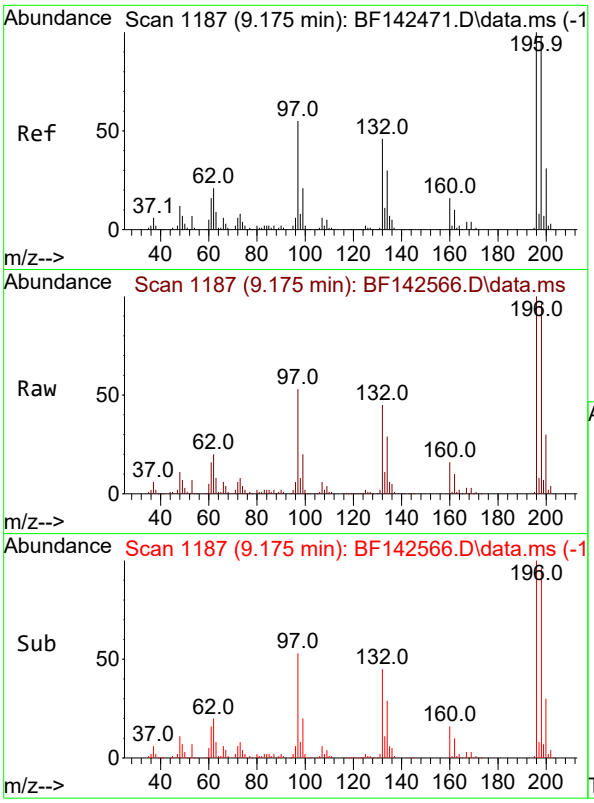


#42
2,4,6-Tribromophenol
Concen: 77.469 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:330 Resp: 201732

Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.6	116.4
141	30.4	24.6	36.8



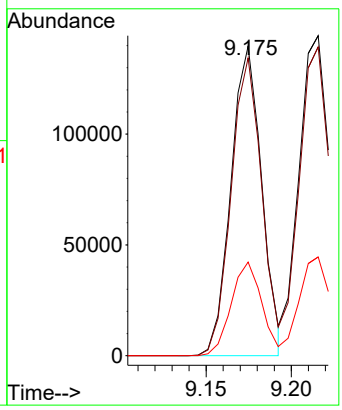


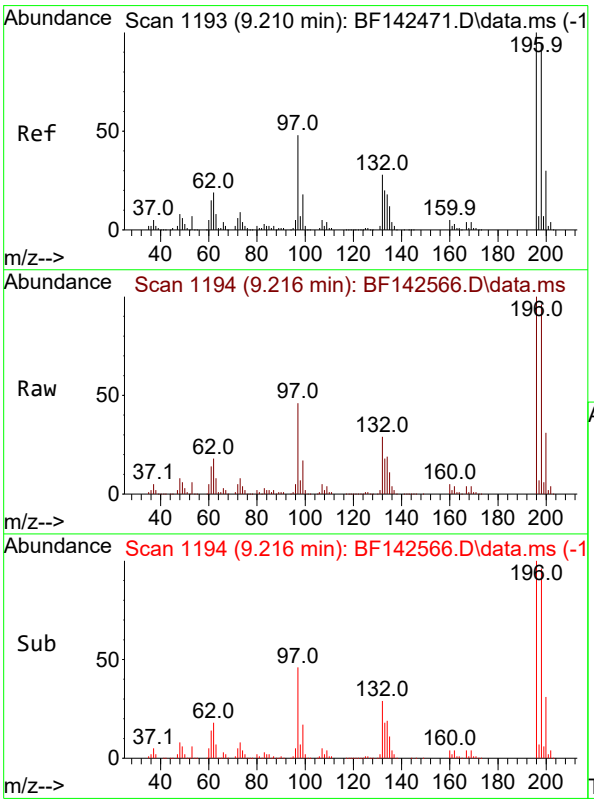
#43
2,4,6-Trichlorophenol
Concen: 38.568 ng
RT: 9.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 175160

Ion	Ratio	Lower	Upper
196	100		
198	96.2	78.8	118.2
200	30.2	24.9	37.3

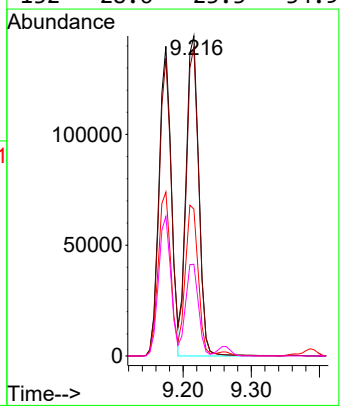


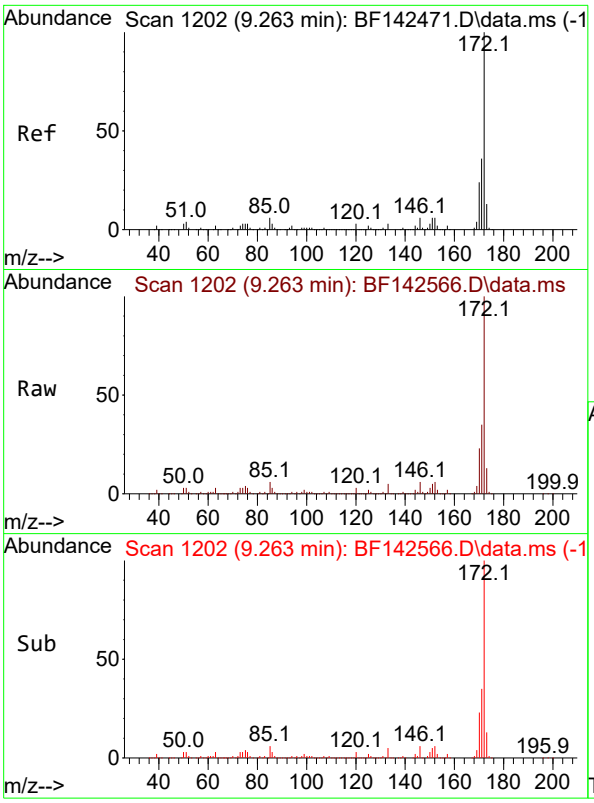


#44
2,4,5-Trichlorophenol
Concen: 39.016 ng
RT: 9.216 min Scan# 1194
Delta R.T. 0.000 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:196 Resp: 186877

Ion	Ratio	Lower	Upper
196	100		
198	96.5	75.5	113.3
97	45.9	39.3	58.9
132	28.6	23.3	34.9



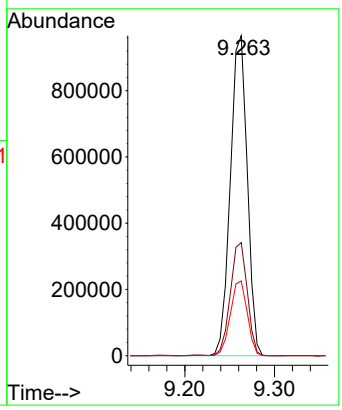


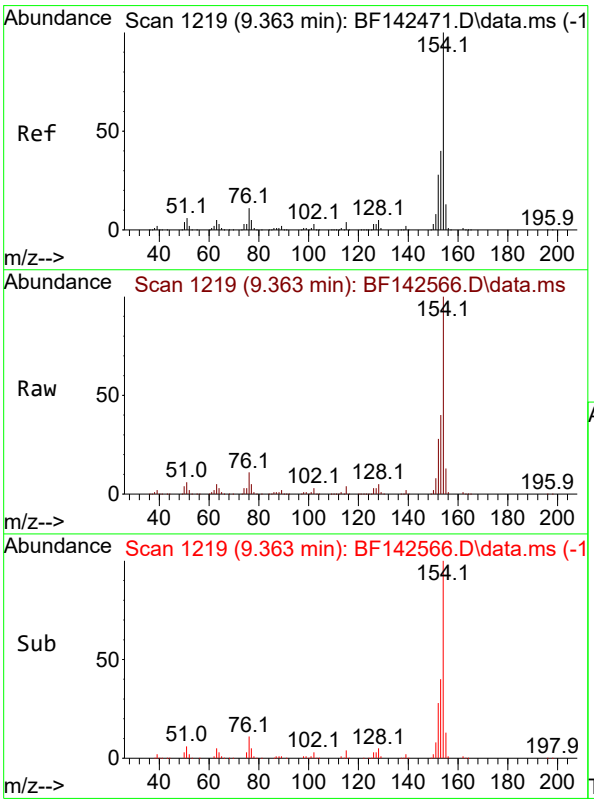
#45
2-Fluorobiphenyl
Concen: 72.339 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 1264848

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	42.8
170	23.4	18.9	28.3

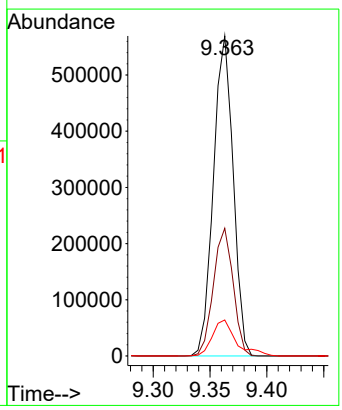


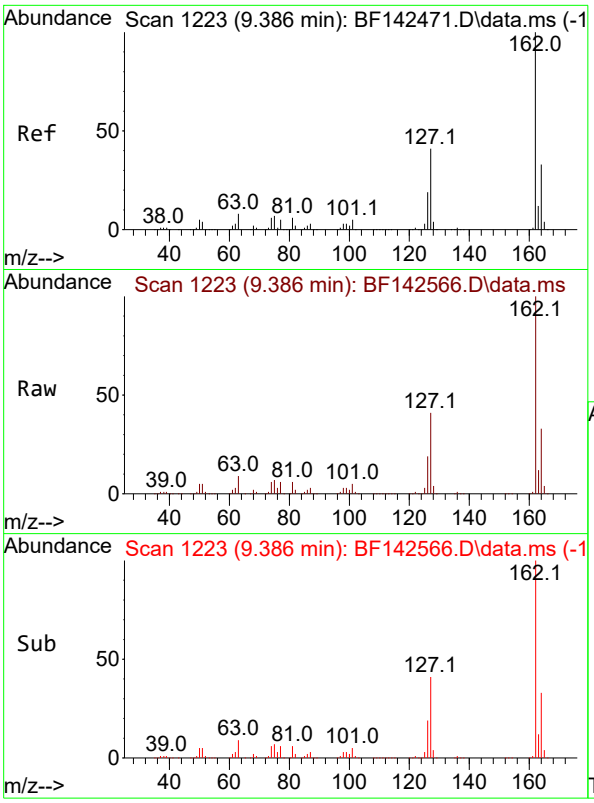


#46
1,1'-Biphenyl
Concen: 37.790 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:154 Resp: 687867

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.4	60.4
76	11.3	0.0	30.8



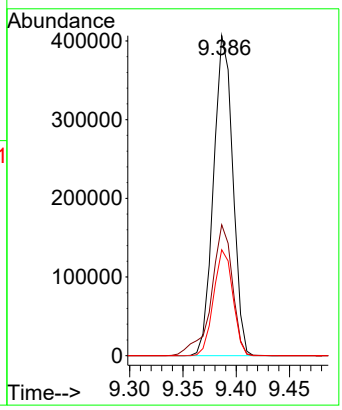


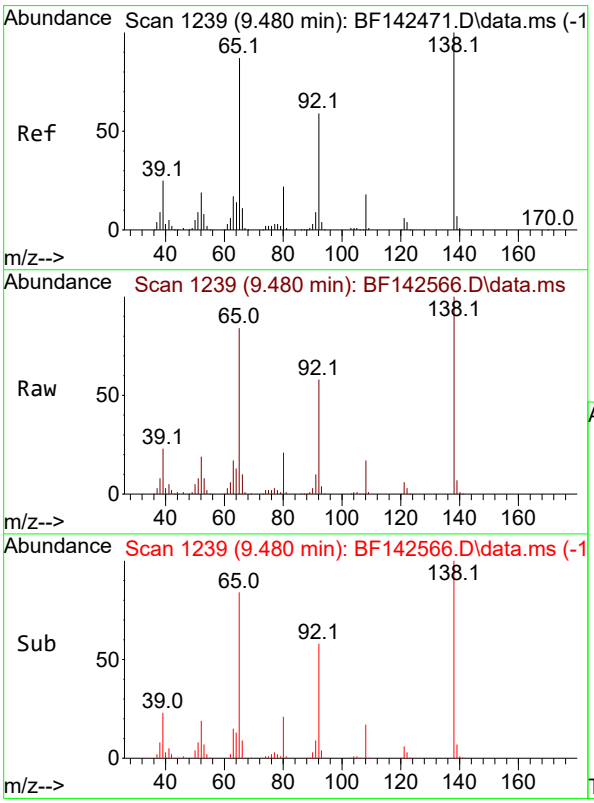
#47
2-Chloronaphthalene
Concen: 37.924 ng
RT: 9.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 510025

Ion	Ratio	Lower	Upper
162	100		
127	40.9	33.5	50.3
164	33.1	26.1	39.1

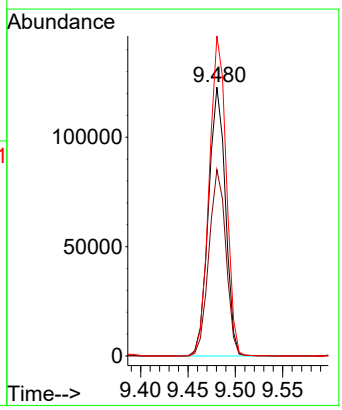


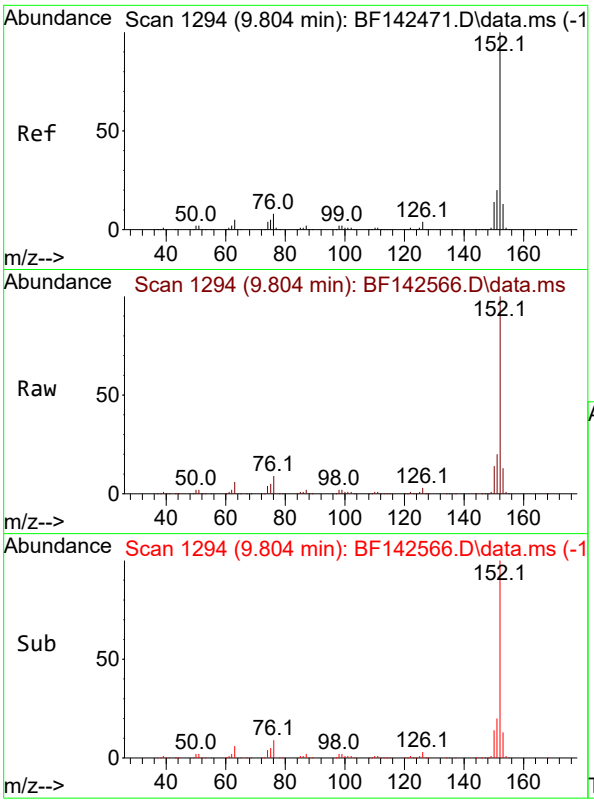


#48
2-Nitroaniline
Concen: 39.403 ng
RT: 9.480 min Scan# 1239
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion: 65 Resp: 153168

Ion	Ratio	Lower	Upper
65	100		
92	69.4	54.4	81.6
138	119.1	91.4	137.2



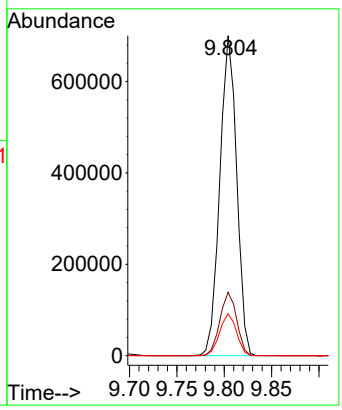


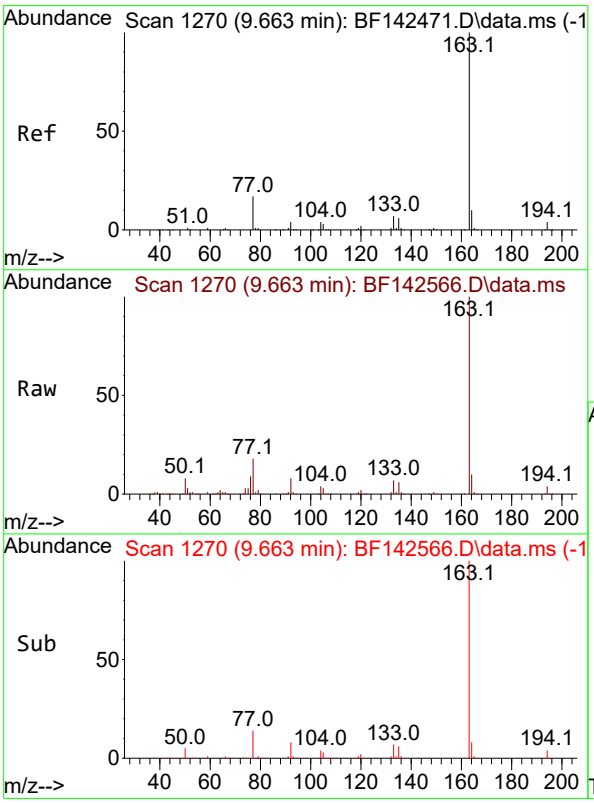
#49
Acenaphthylene
Concen: 38.256 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 868771

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	13.1	10.6	15.8

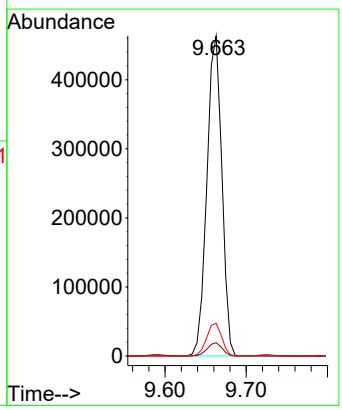


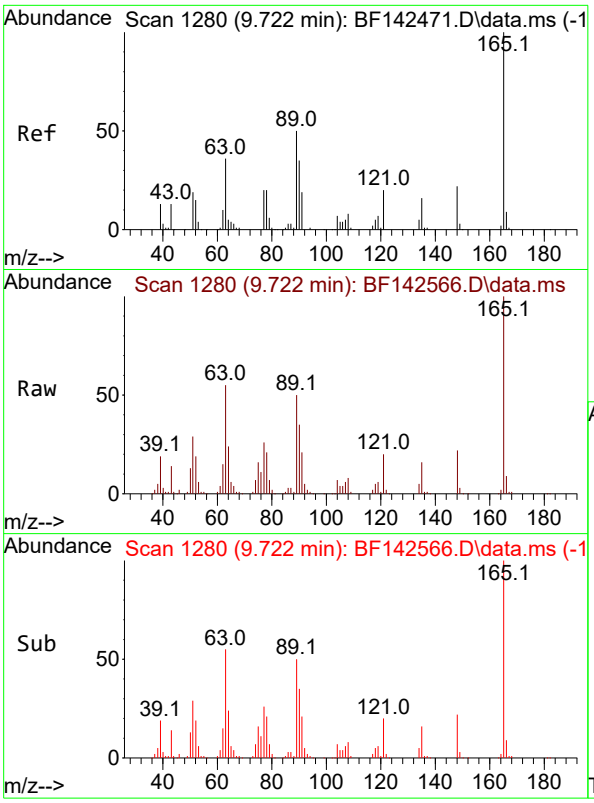


#50
Dimethylphthalate
Concen: 38.221 ng
RT: 9.663 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:163 Resp: 591715

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.3	8.2	12.4



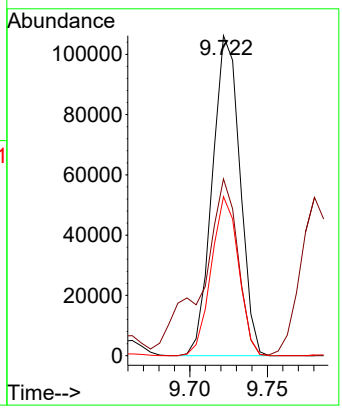


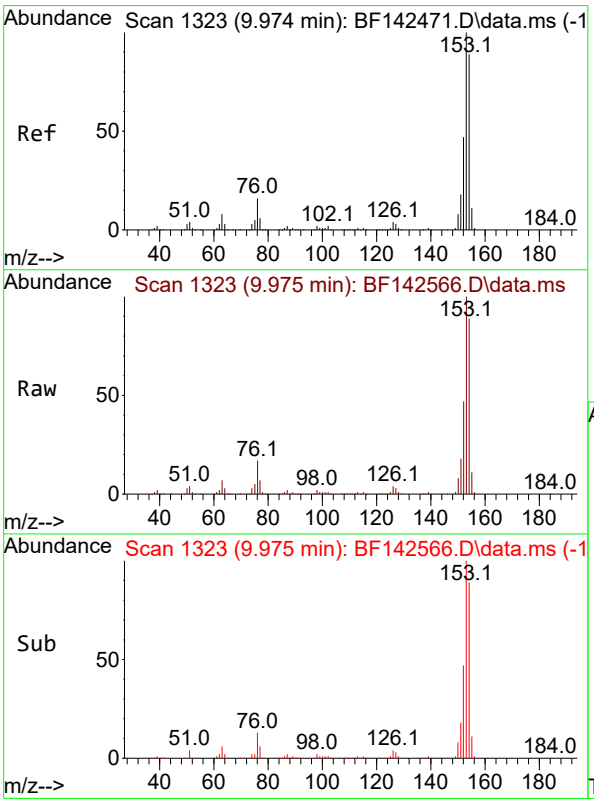
#51
2,6-Dinitrotoluene
Concen: 39.404 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 131661

Ion	Ratio	Lower	Upper
165	100		
63	55.3	42.9	64.3
89	49.7	40.2	60.4

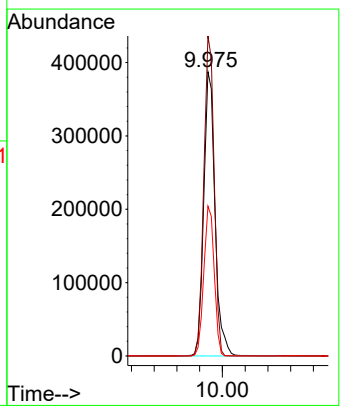


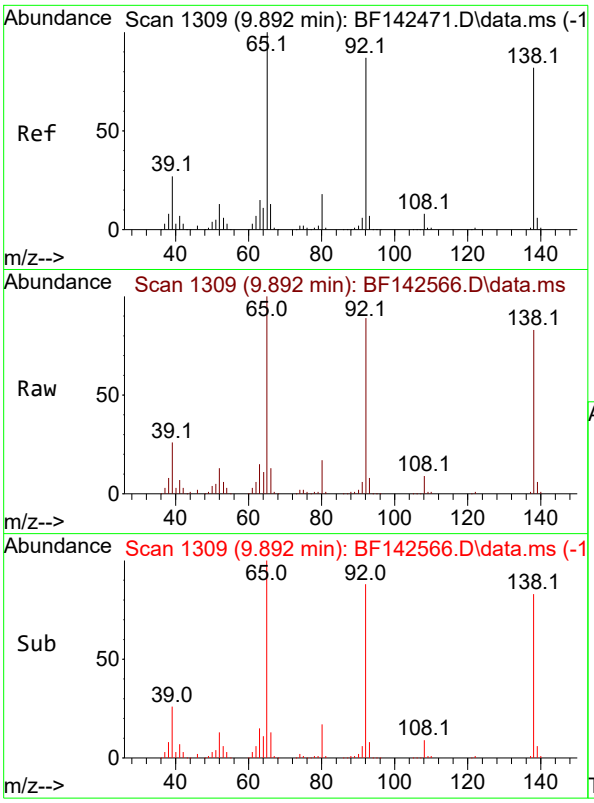


#52
Acenaphthene
Concen: 38.332 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.005 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:154 Resp: 531545

Ion	Ratio	Lower	Upper
154	100		
153	112.6	90.0	135.0
152	52.7	42.6	64.0



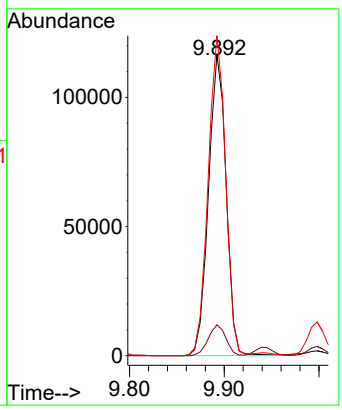


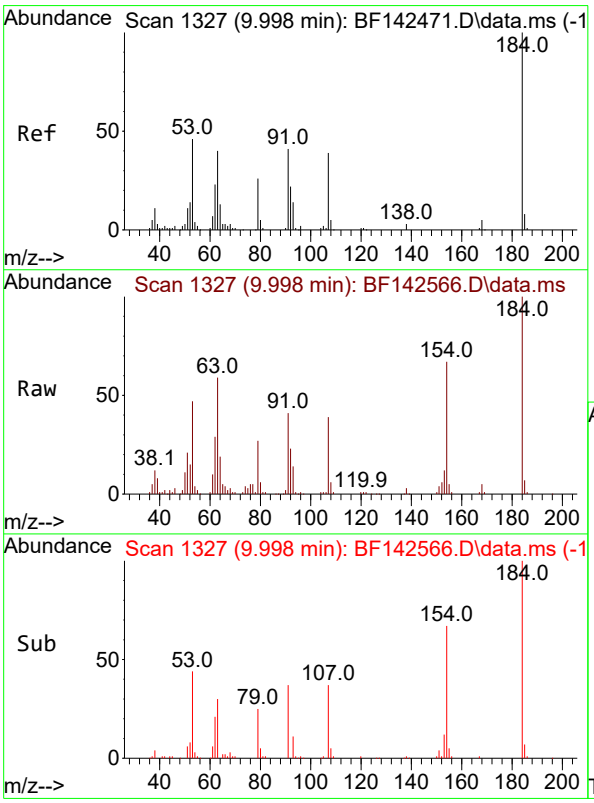
#53
3-Nitroaniline
Concen: 41.142 ng
RT: 9.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 150151

Ion	Ratio	Lower	Upper
138	100		
108	10.3	8.1	12.1
92	106.3	85.2	127.8

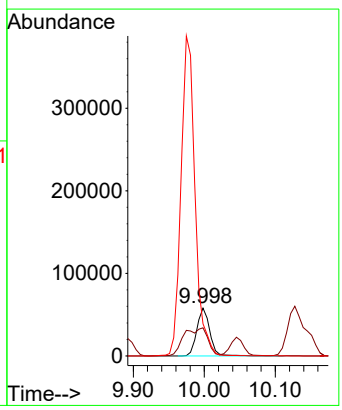


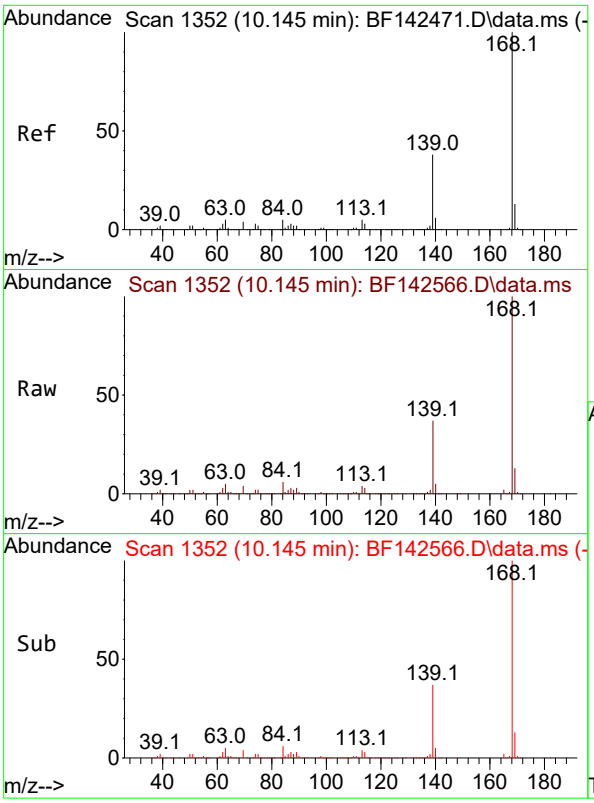


#54
2,4-Dinitrophenol
Concen: 42.540 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:184 Resp: 73435

Ion	Ratio	Lower	Upper
184	100		
63	58.9	46.3	69.5
154	67.5	56.8	85.2



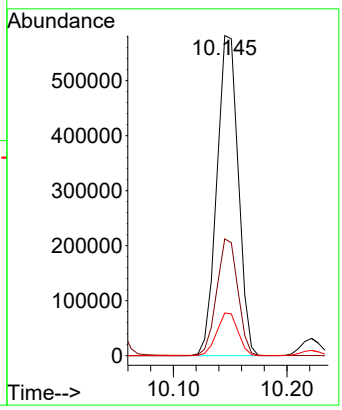


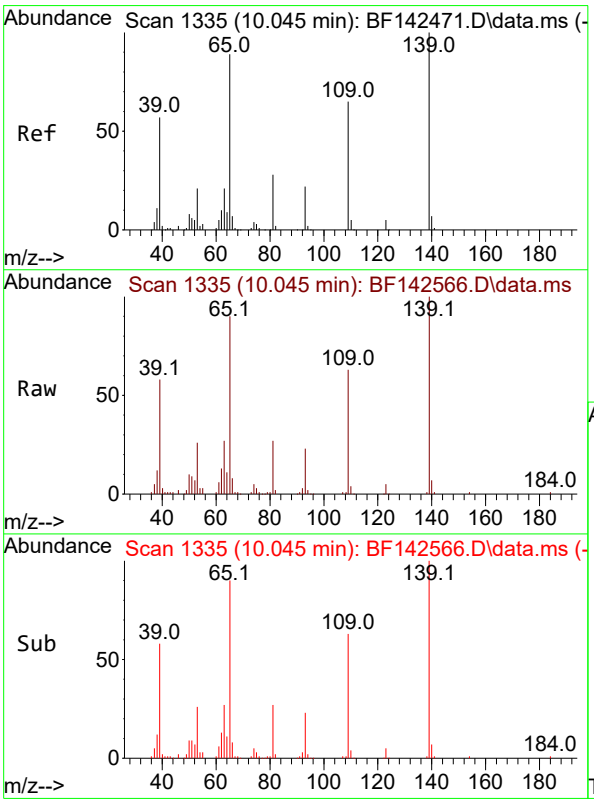
#55
Dibenzofuran
Concen: 38.204 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 762353

Ion	Ratio	Lower	Upper
168	100		
139	36.5	30.2	45.2
169	13.4	10.7	16.1

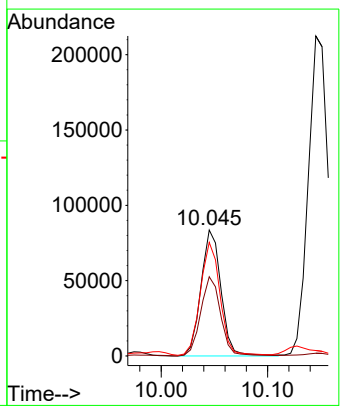


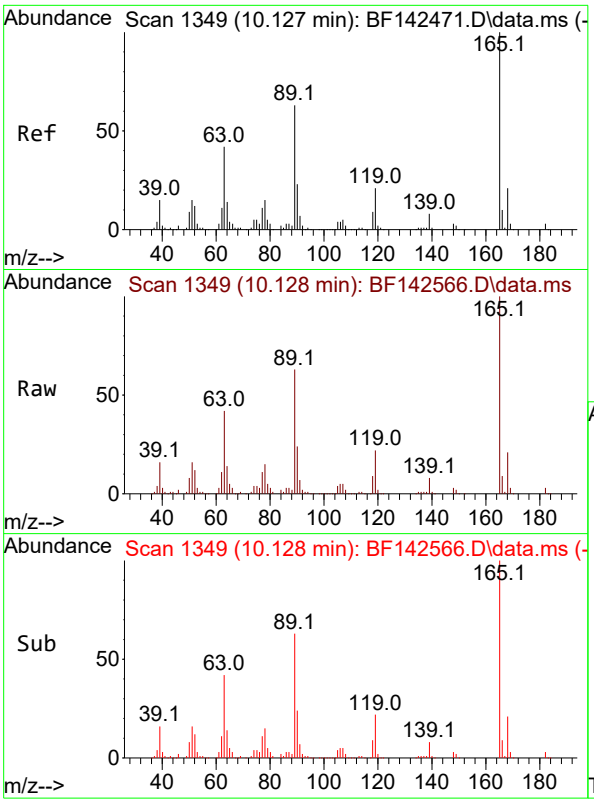


#56
4-Nitrophenol
Concen: 40.751 ng
RT: 10.045 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:139 Resp: 109735

Ion	Ratio	Lower	Upper
139	100		
109	62.9	45.1	85.1
65	90.2	69.7	109.7



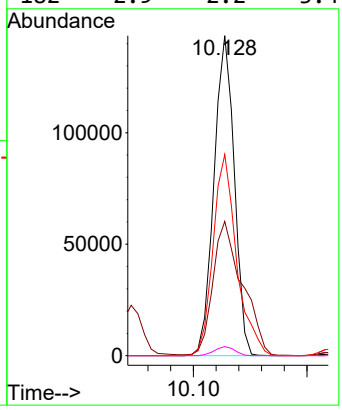


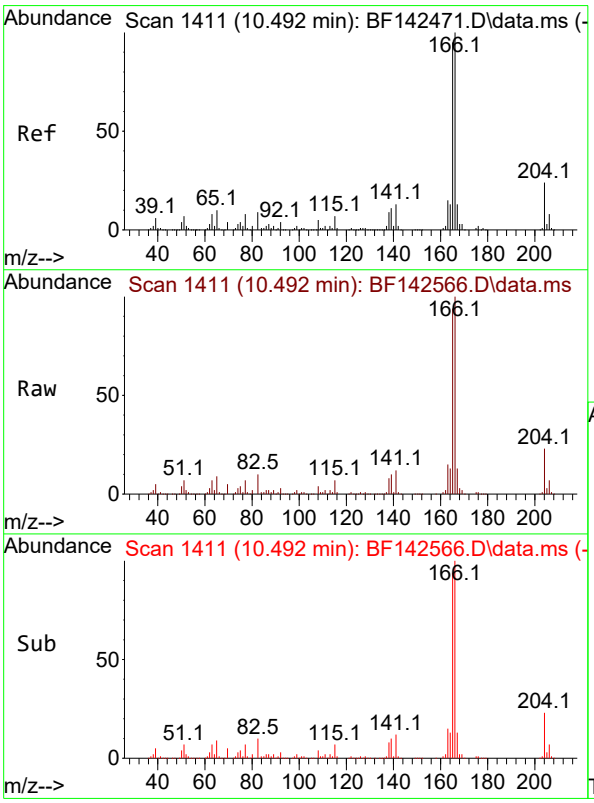
#57
2,4-Dinitrotoluene
Concen: 40.883 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 178400

Ion	Ratio	Lower	Upper
165	100		
63	42.0	33.6	50.4
89	62.9	50.2	75.4
182	2.9	2.2	3.4

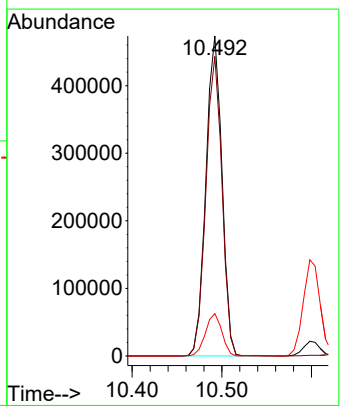


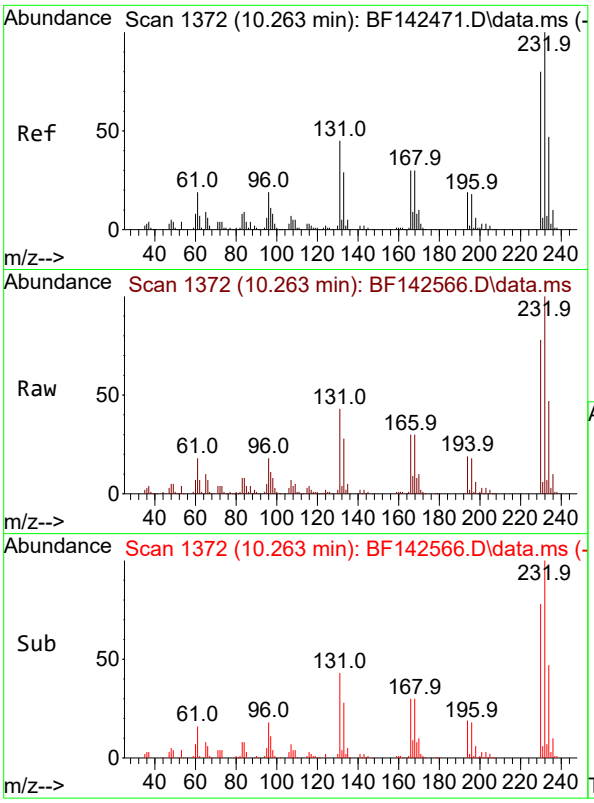


#58
Fluorene
Concen: 38.224 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:166 Resp: 589250

Ion	Ratio	Lower	Upper
166	100		
165	93.6	75.8	113.8
167	13.2	10.6	16.0



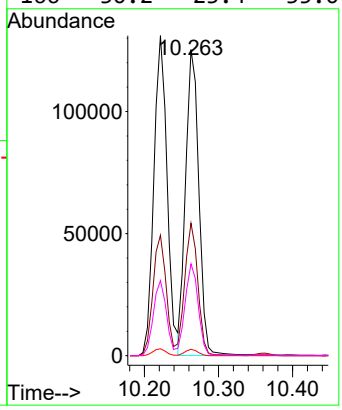


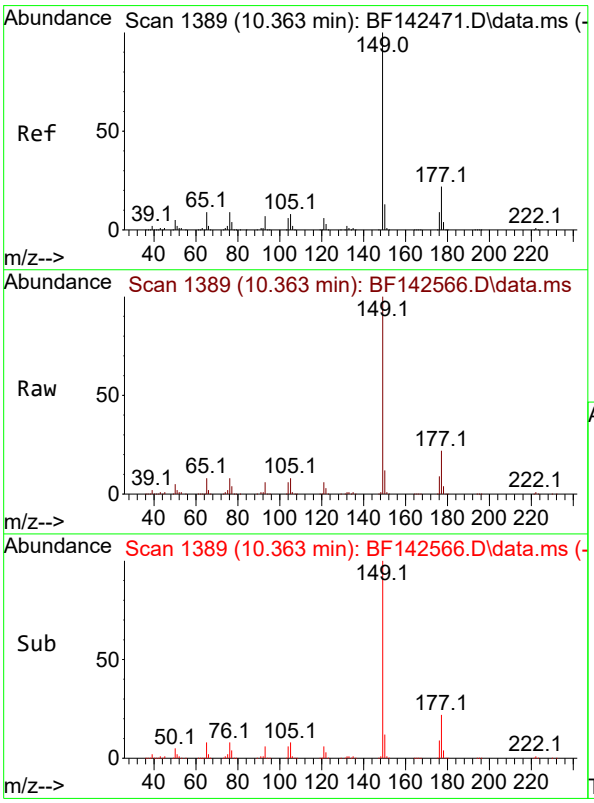
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.005 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 155965

Ion	Ratio	Lower	Upper
232	100		
131	43.3	35.2	52.8
130	2.1	1.7	2.5
166	30.2	23.4	35.0

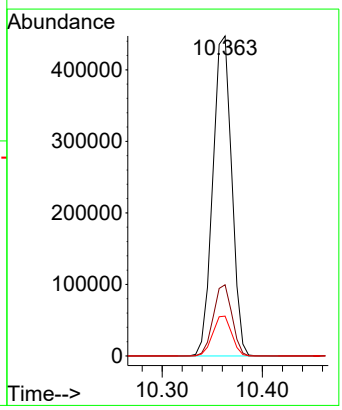


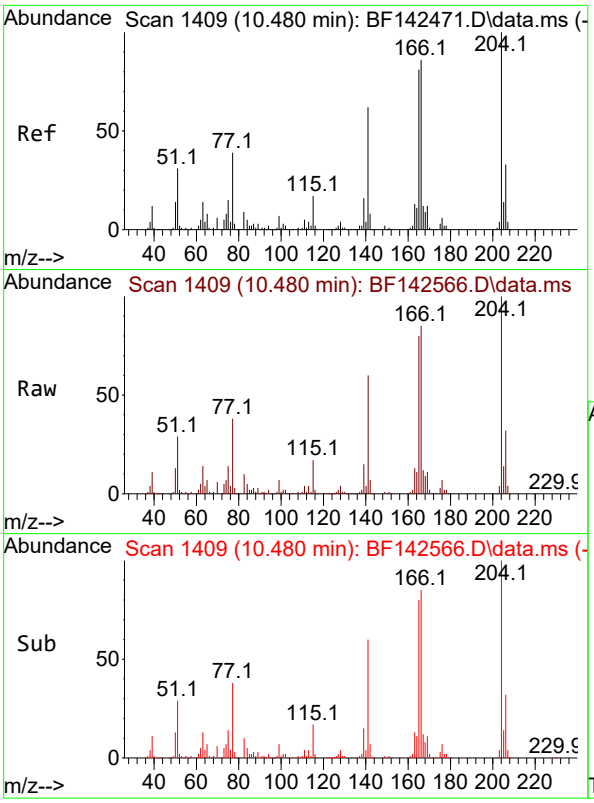


#60
Diethylphthalate
Concen: 38.740 ng
RT: 10.363 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:149 Resp: 585735

Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.6	26.4
150	12.4	10.1	15.1



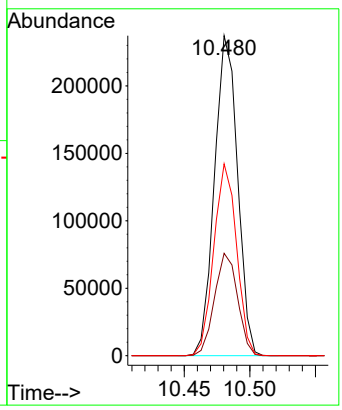


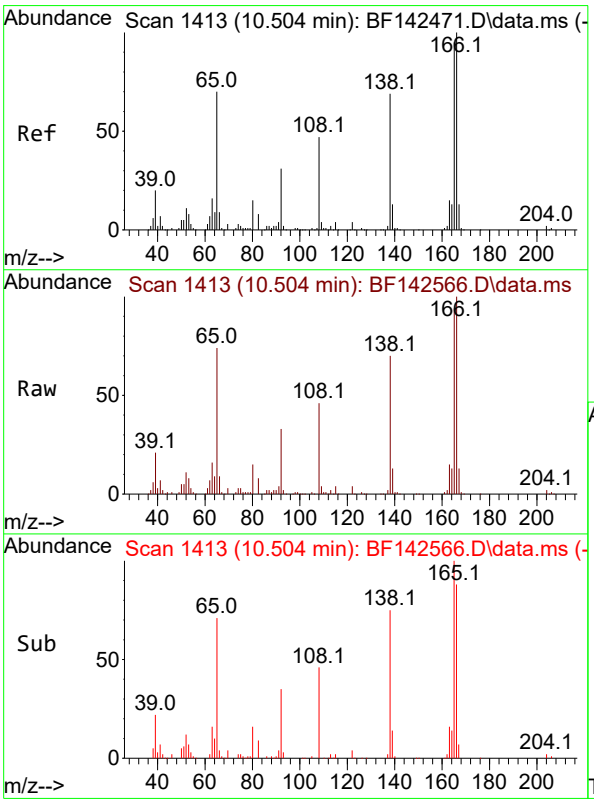
#61
4-Chlorophenyl-phenylether
Concen: 38.294 ng
RT: 10.480 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 289995

Ion	Ratio	Lower	Upper
204	100		
206	32.0	26.3	39.5
141	59.9	49.5	74.3

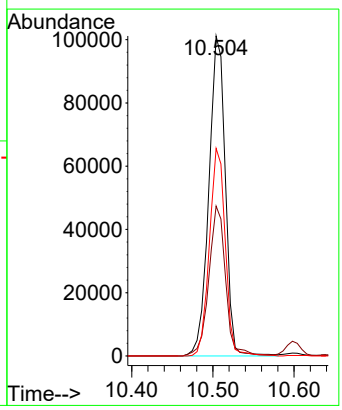


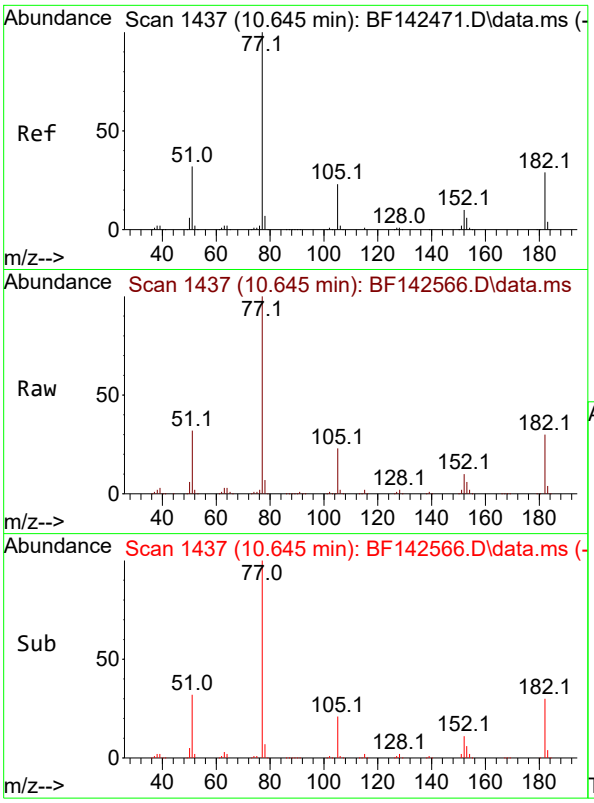


#62
4-Nitroaniline
Concen: 43.023 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:138 Resp: 142403

Ion	Ratio	Lower	Upper
138	100		
92	46.8	26.0	66.0
108	64.9	48.4	88.4



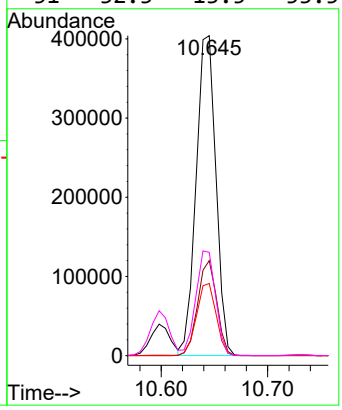


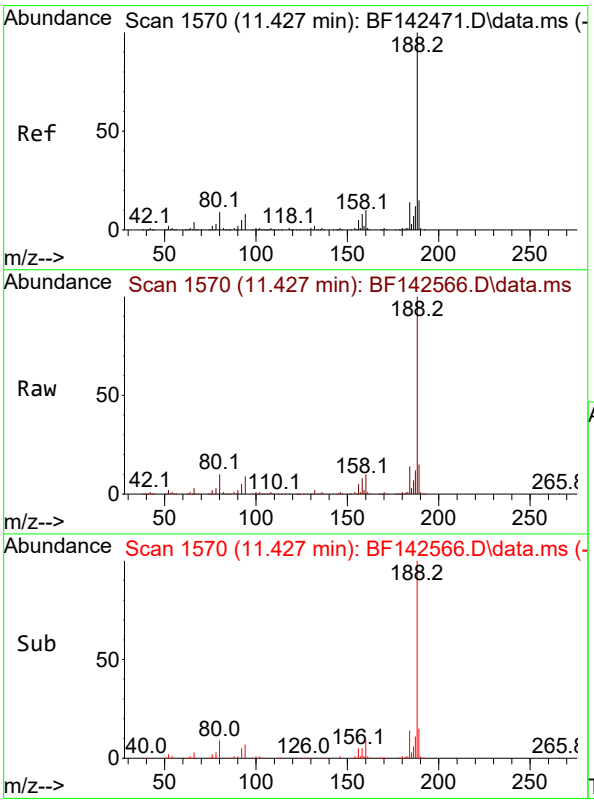
#63
Azobenzene
Concen: 38.477 ng
RT: 10.645 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 522525

Ion	Ratio	Lower	Upper
77	100		
182	29.7	9.0	49.0
105	22.6	2.4	42.4
51	32.3	13.5	53.5

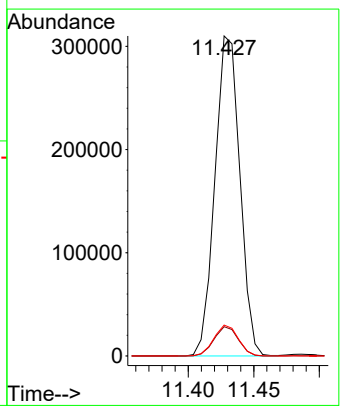


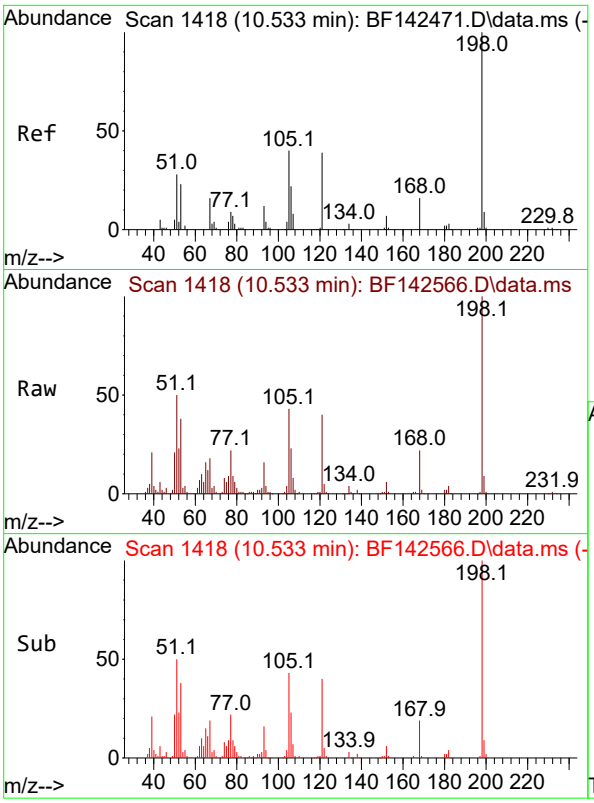


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:188 Resp: 409802

Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.6	10.0
80	9.7	7.4	11.0



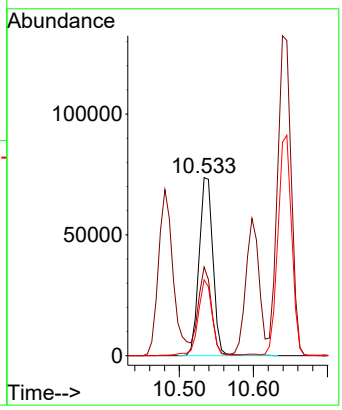


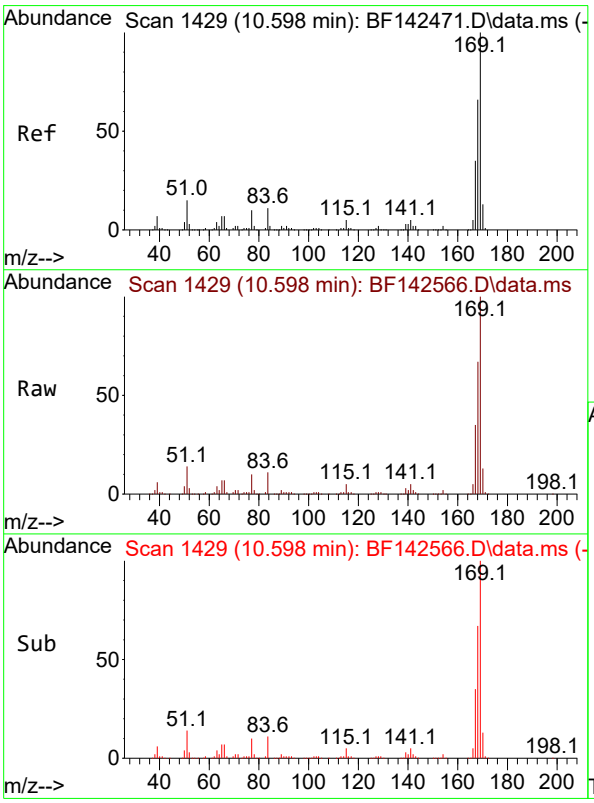
#65
4,6-Dinitro-2-methylphenol
Concen: 41.899 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 95823

Ion	Ratio	Lower	Upper
198	100		
51	49.8	28.3	68.3
105	42.6	21.3	61.3

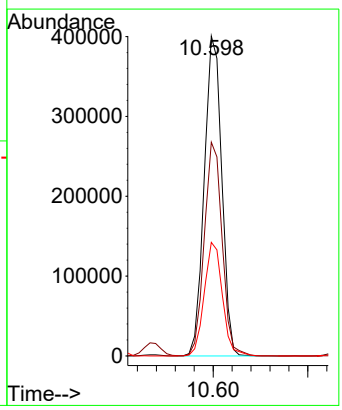


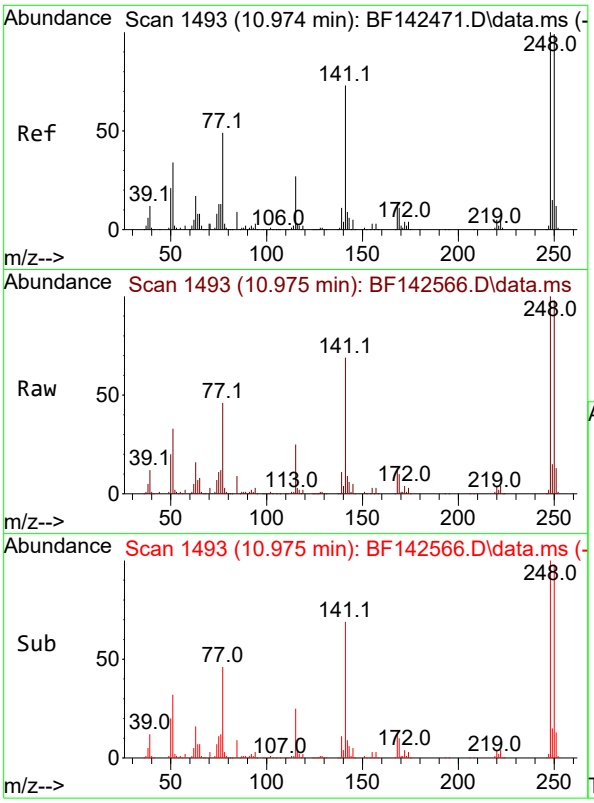


#66
n-Nitrosodiphenylamine
Concen: 36.507 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:169 Resp: 511834

Ion	Ratio	Lower	Upper
169	100		
168	66.8	52.7	79.1
167	35.5	28.3	42.5



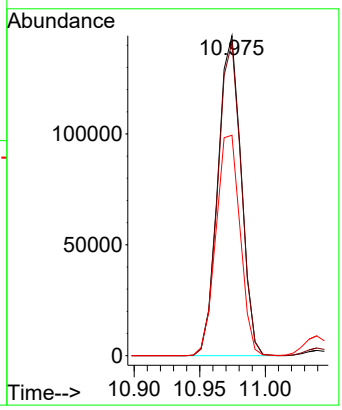


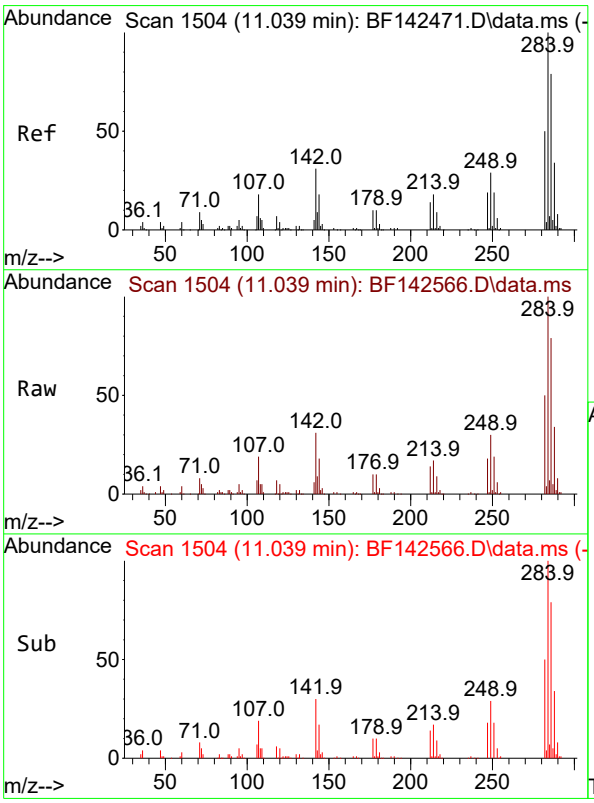
#67
4-Bromophenyl-phenylether
Concen: 36.764 ng
RT: 10.975 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 178142

Ion	Ratio	Lower	Upper
248	100		
250	98.0	79.0	118.4
141	68.9	58.4	87.6

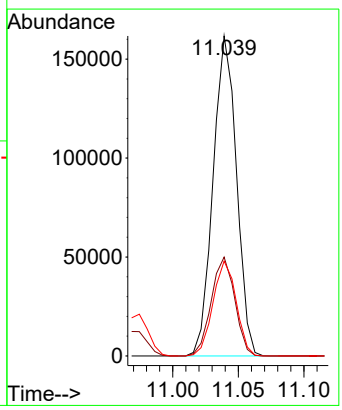


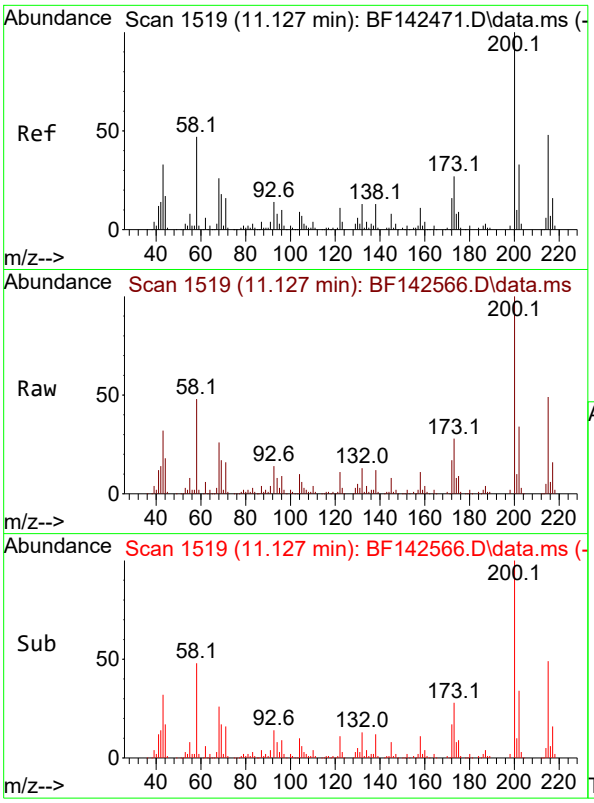


#68
Hexachlorobenzene
Concen: 37.386 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:284 Resp: 200364

Ion	Ratio	Lower	Upper
284	100		
142	30.9	24.8	37.2
249	29.7	23.6	35.4



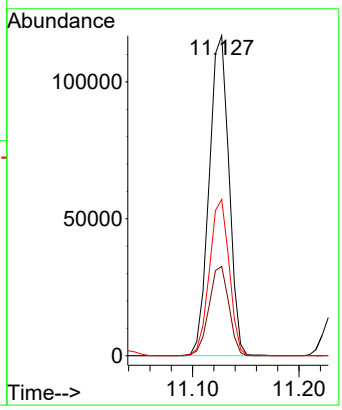


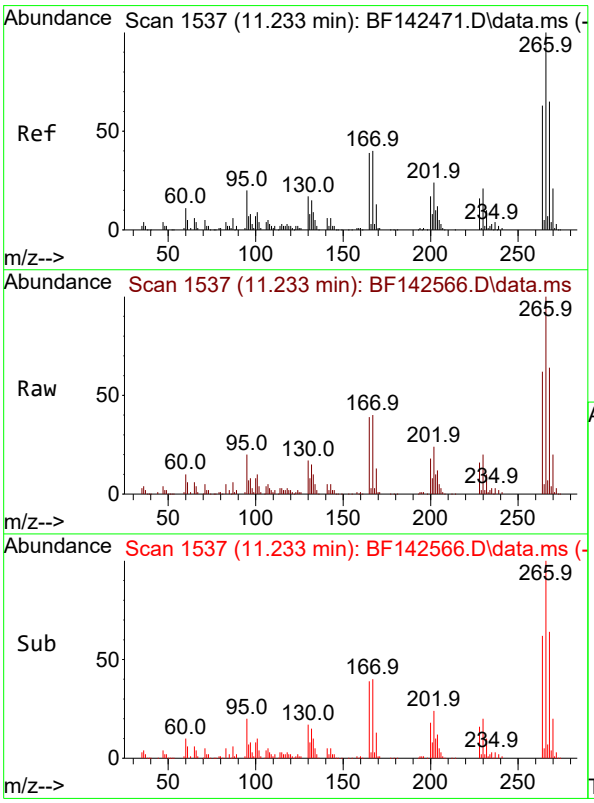
#69
Atrazine
Concen: 40.470 ng
RT: 11.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 150686

Ion	Ratio	Lower	Upper
200	100		
173	27.9	7.4	47.4
215	48.8	28.5	68.5

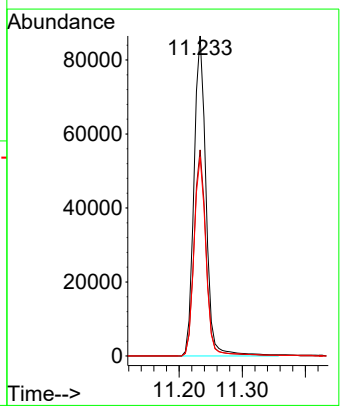


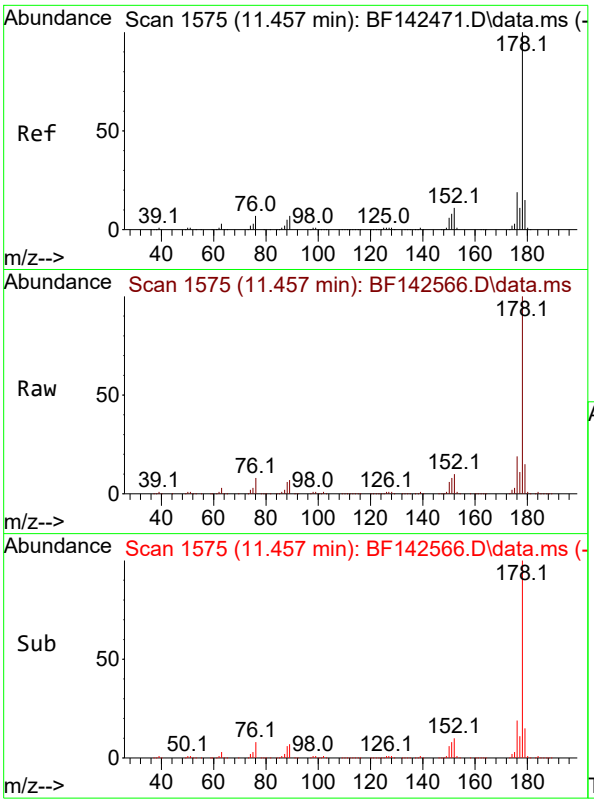


#70
Pentachlorophenol
Concen: 37.734 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:266 Resp: 114176

Ion	Ratio	Lower	Upper
266	100		
268	64.4	51.7	77.5
264	62.1	50.4	75.6



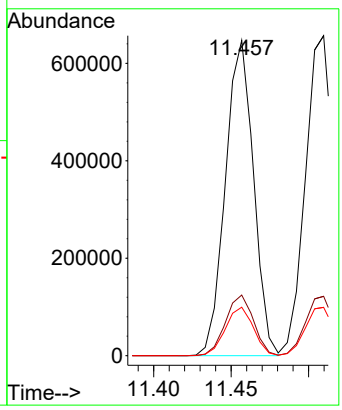


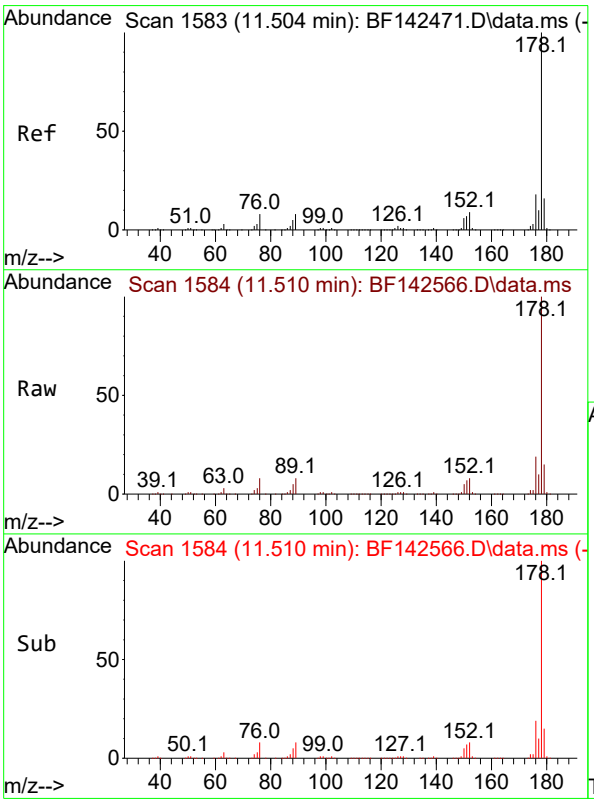
#71
Phenanthrene
Concen: 37.294 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 816768

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.4	12.3	18.5

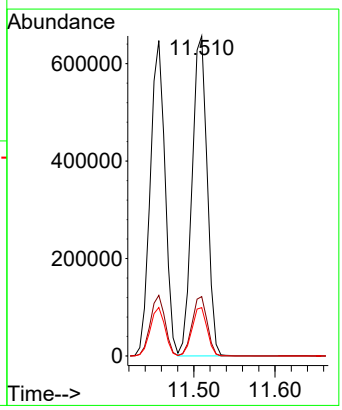


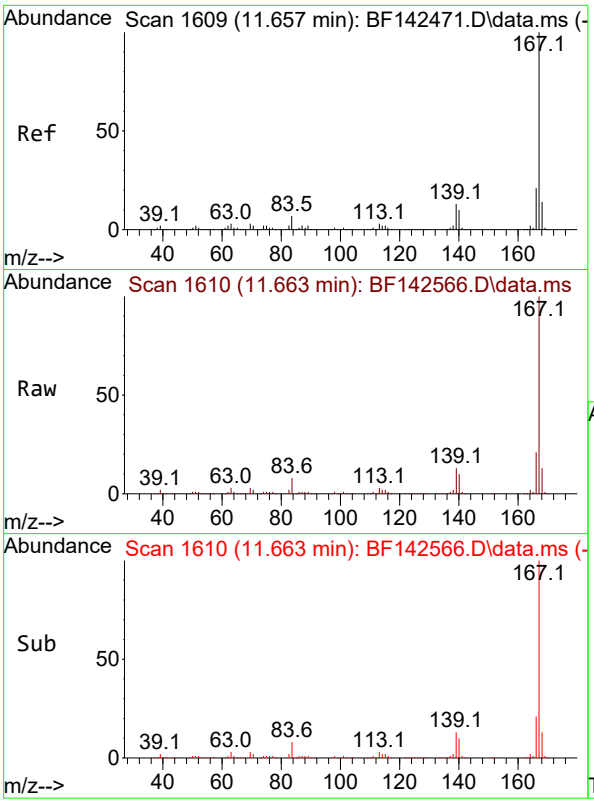


#72
Anthracene
Concen: 37.945 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:178 Resp: 848131

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	21.8
179	15.1	12.4	18.6



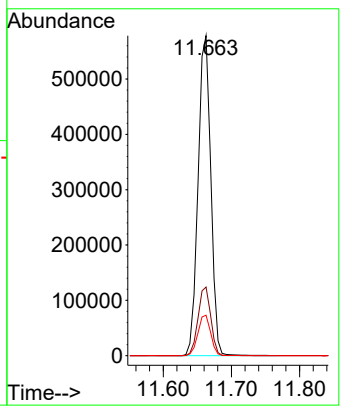


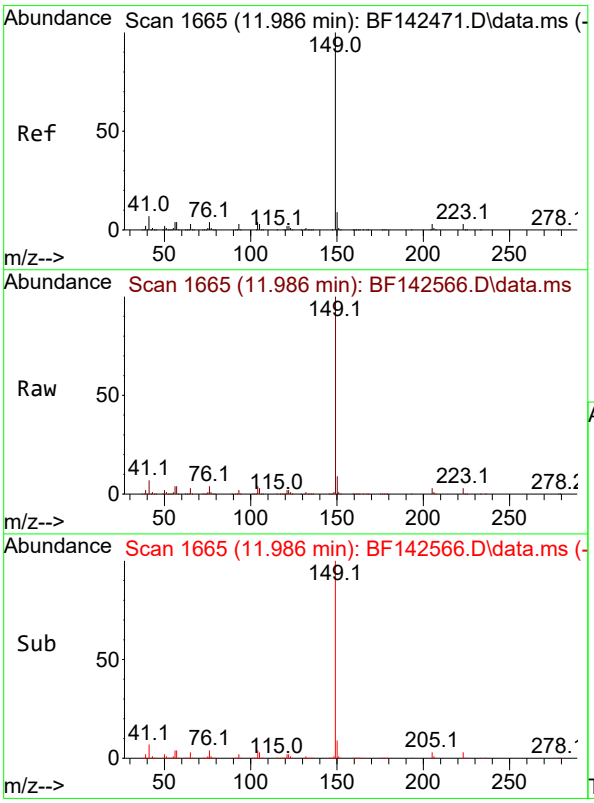
#73
Carbazole
Concen: 39.284 ng
RT: 11.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 750647

Ion	Ratio	Lower	Upper
167	100		
166	21.5	16.9	25.3
139	12.6	10.2	15.4

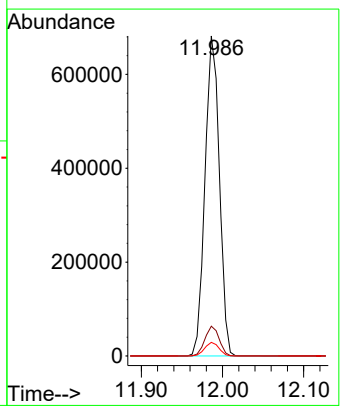


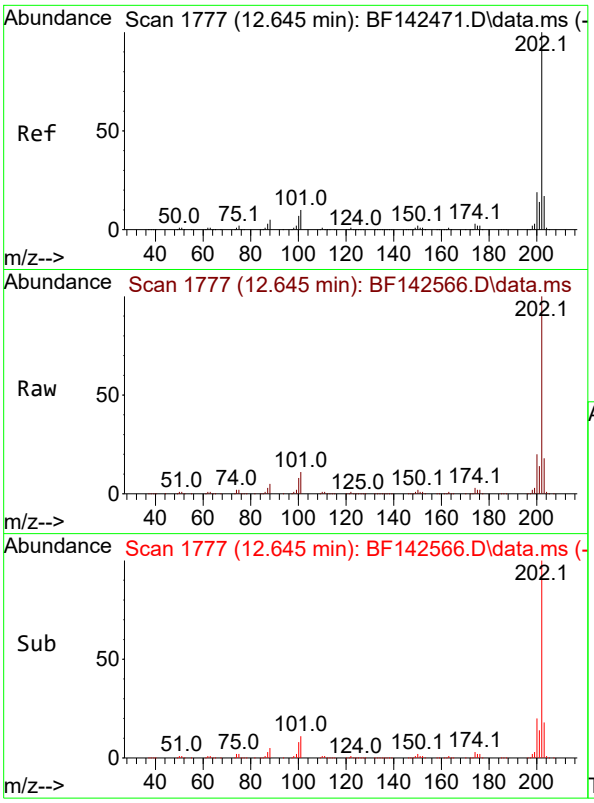


#74
Di-n-butylphthalate
Concen: 39.961 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:149 Resp: 835811

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	4.3	3.6	5.4



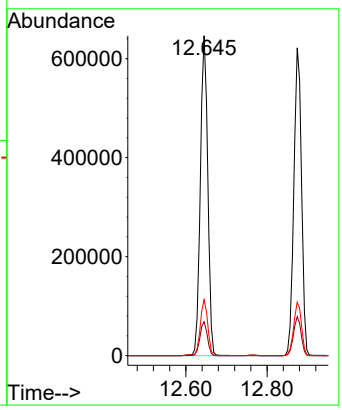


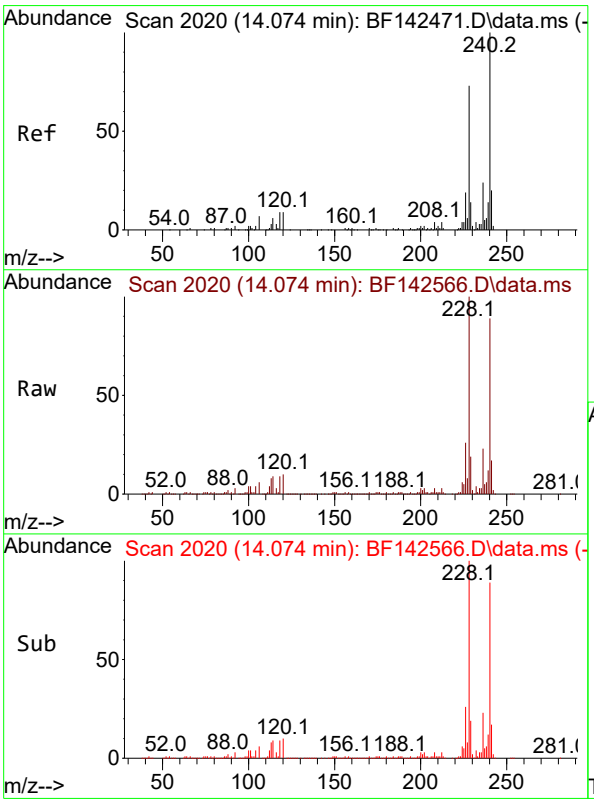
#75
Fluoranthene
Concen: 40.225 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 823167

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	29.6
203	17.5	0.0	37.2

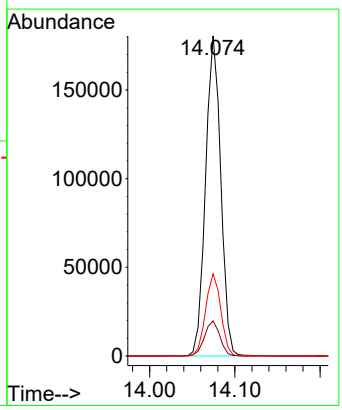


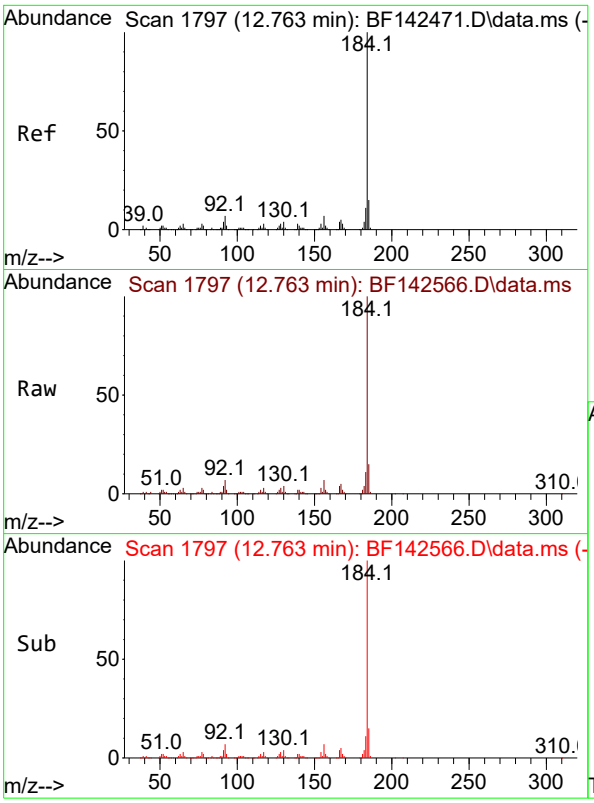


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:240 Resp: 223422

Ion	Ratio	Lower	Upper
240	100		
120	10.9	7.5	11.3
236	25.7	19.6	29.4



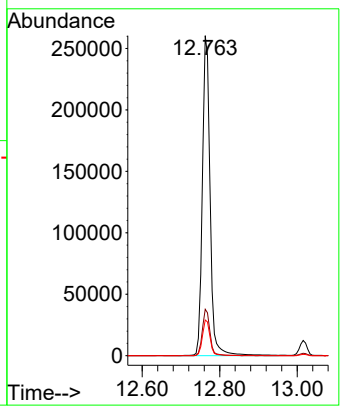


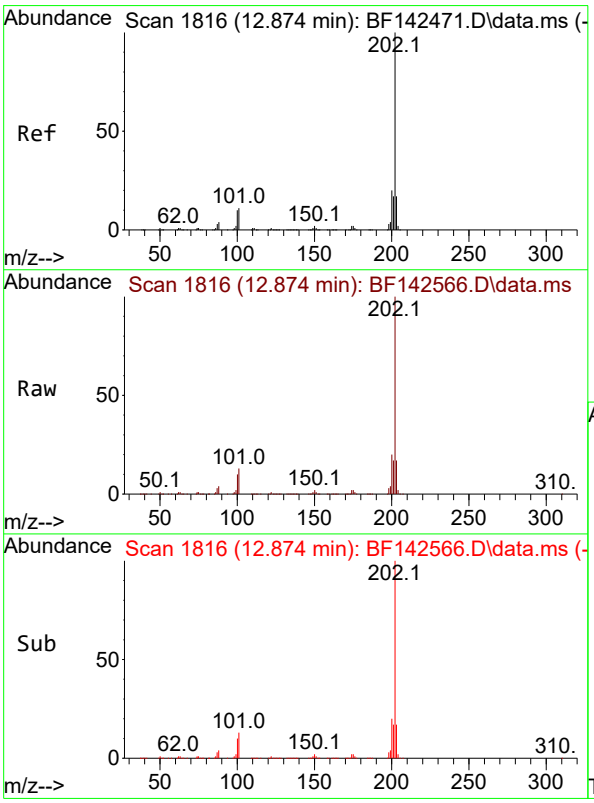
#77
Benzidine
Concen: 43.420 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 361003

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.6	17.4
183	11.2	9.0	13.4

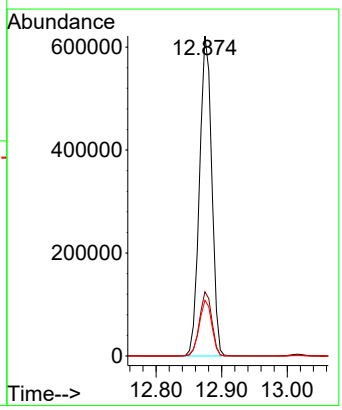


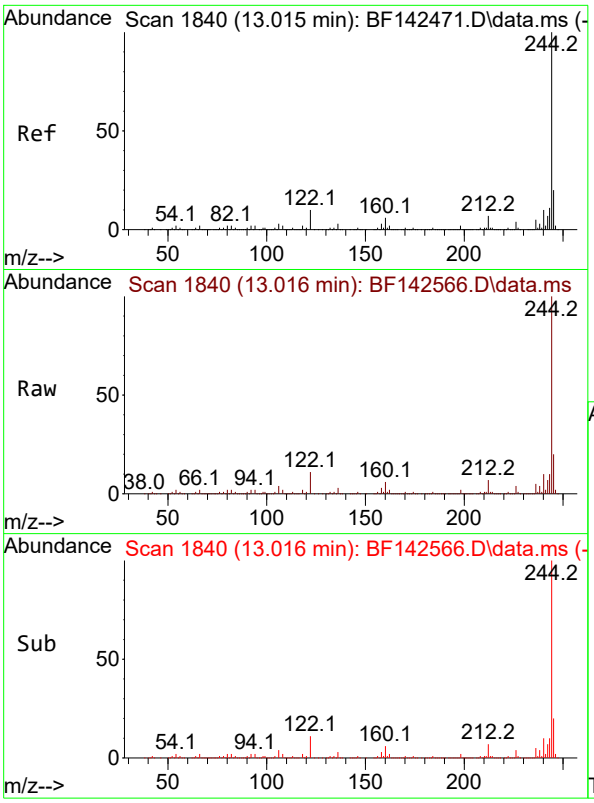


#78
Pyrene
Concen: 38.937 ng
RT: 12.874 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:202 Resp: 811528

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.1	24.1
203	17.4	13.9	20.9



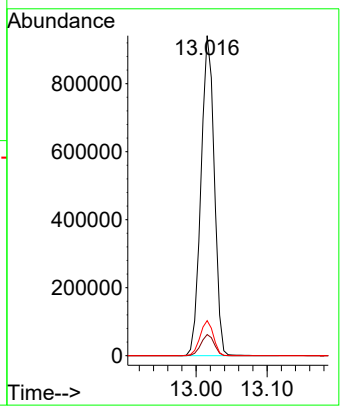


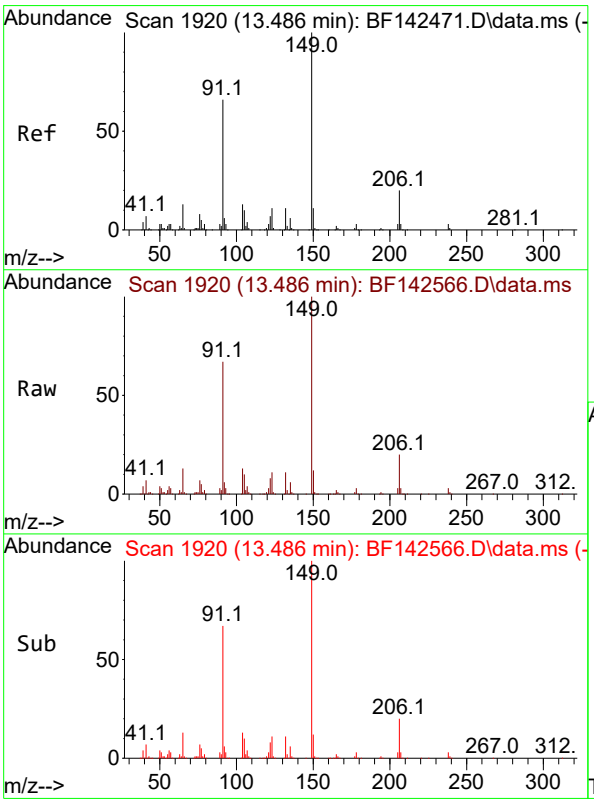
#79
Terphenyl-d14
Concen: 75.263 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1230505

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	11.0	8.2	12.2

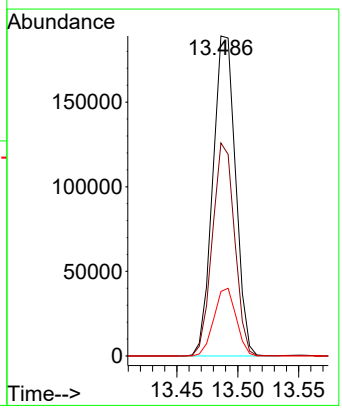


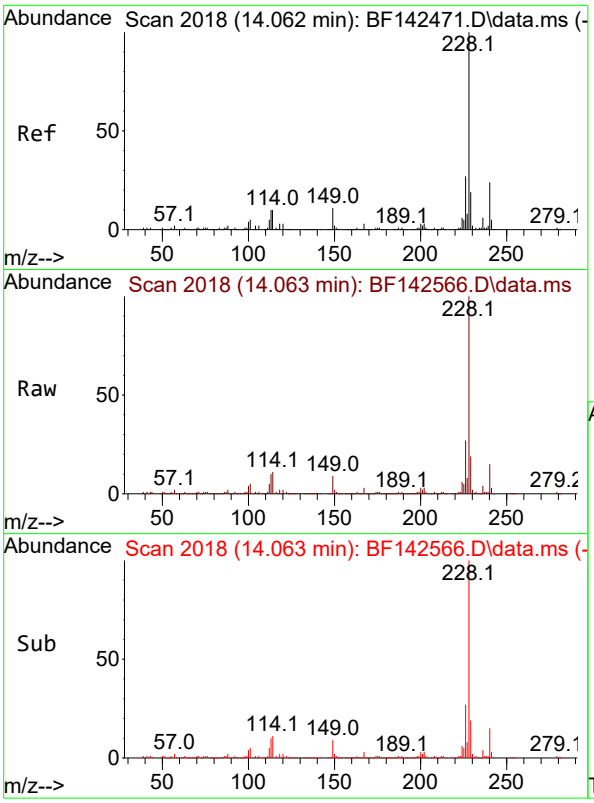


#80
Butylbenzylphthalate
Concen: 42.730 ng
RT: 13.486 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:149 Resp: 246083

Ion	Ratio	Lower	Upper
149	100		
91	66.6	52.9	79.3
206	20.2	16.2	24.2



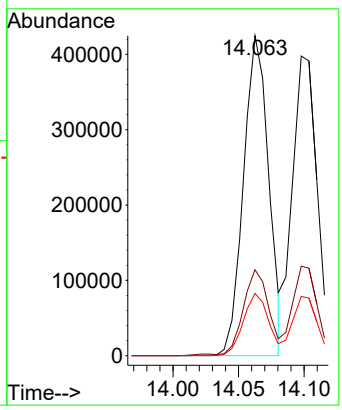


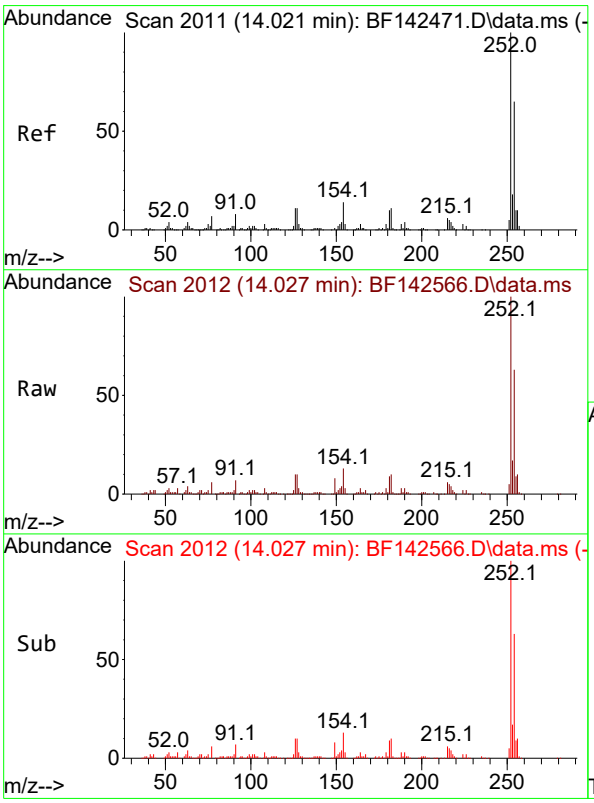
#81
Benzo(a)anthracene
Concen: 38.038 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 567490

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.2	31.8
229	19.4	15.5	23.3

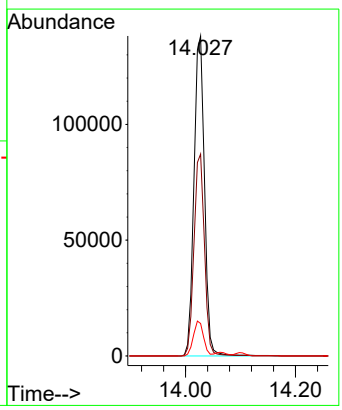


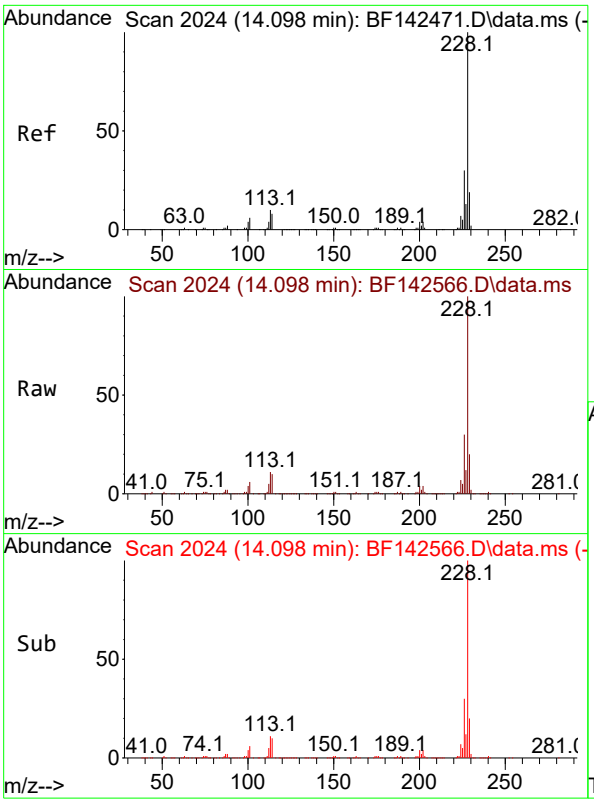


#82
3,3'-Dichlorobenzidine
Concen: 40.543 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:252 Resp: 183460

Ion	Ratio	Lower	Upper
252	100		
254	63.1	52.0	78.0
126	10.2	8.9	13.3



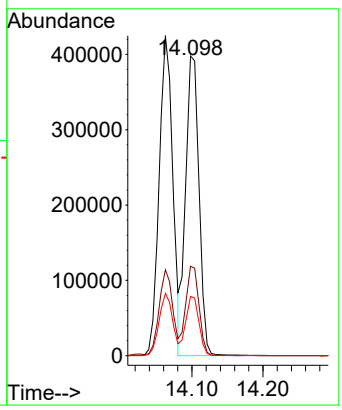


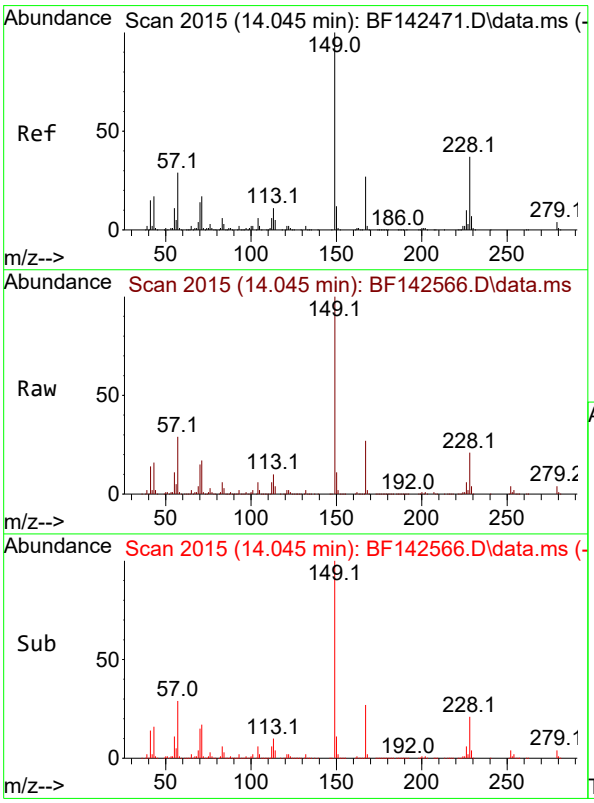
#83
Chrysene
Concen: 39.038 ng
RT: 14.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 523334

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.6
229	19.8	15.4	23.2

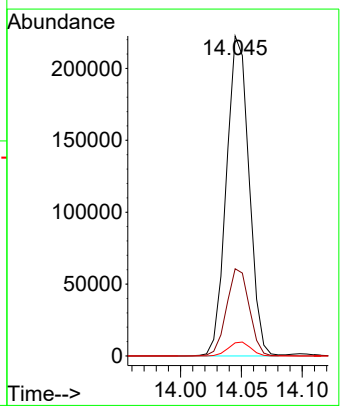


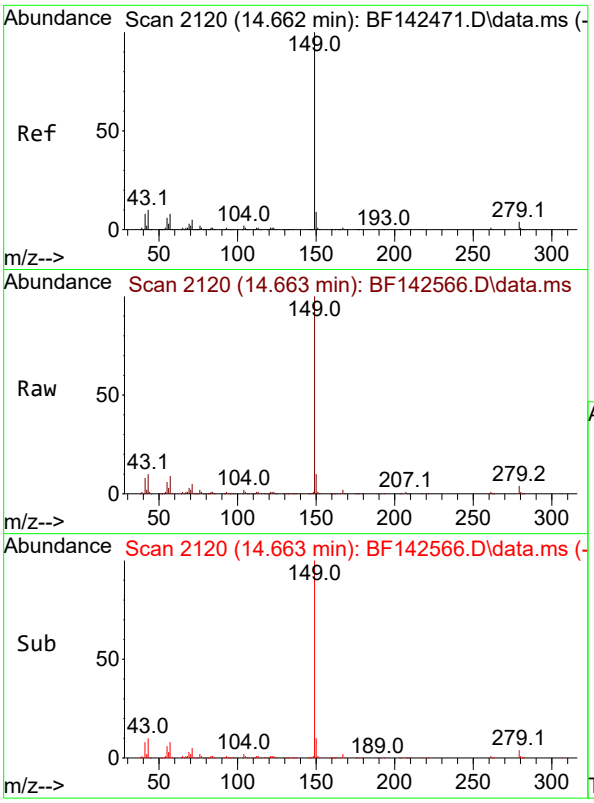


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.965 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:149 Resp: 287264

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.5	32.3
279	4.1	3.2	4.8



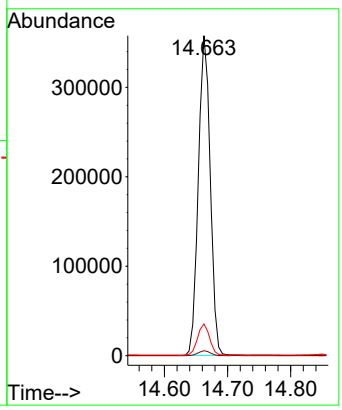


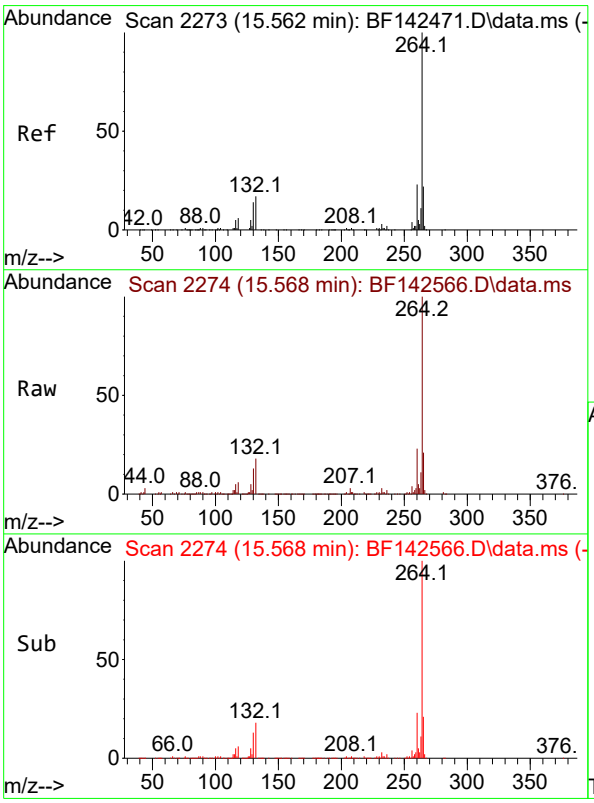
#85
Di-n-octyl phthalate
Concen: 32.445 ng
RT: 14.663 min Scan# 21
Delta R.T. -0.005 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 467708

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.7	7.9	11.9

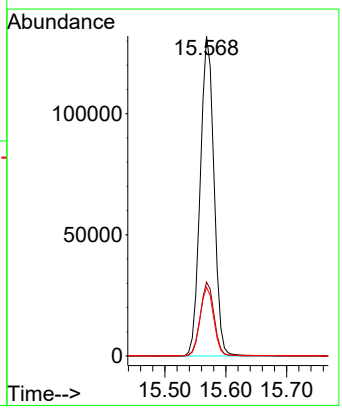


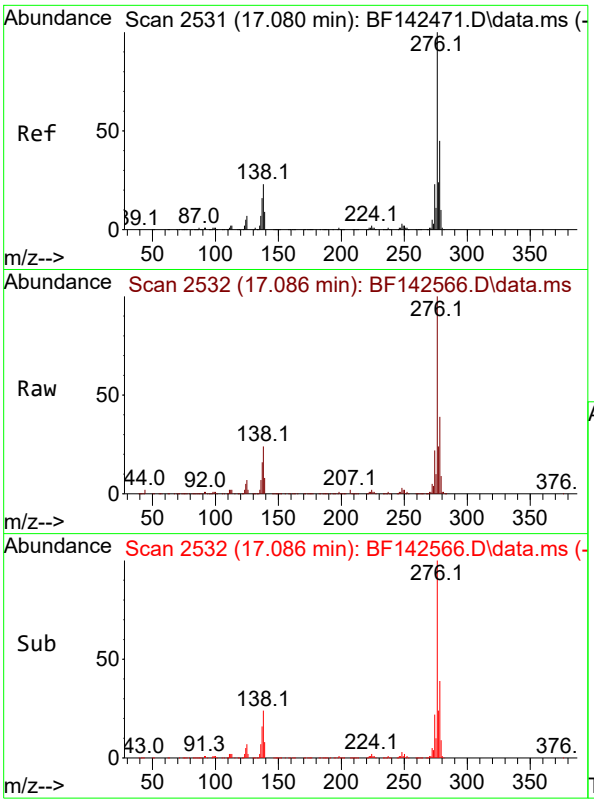


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:264 Resp: 206730

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	21.5	17.7	26.5



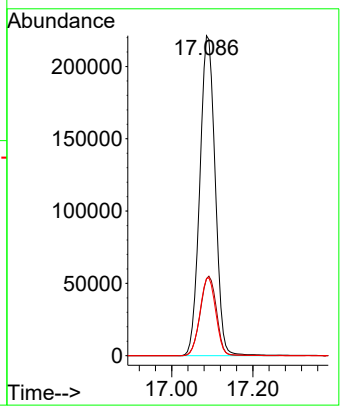


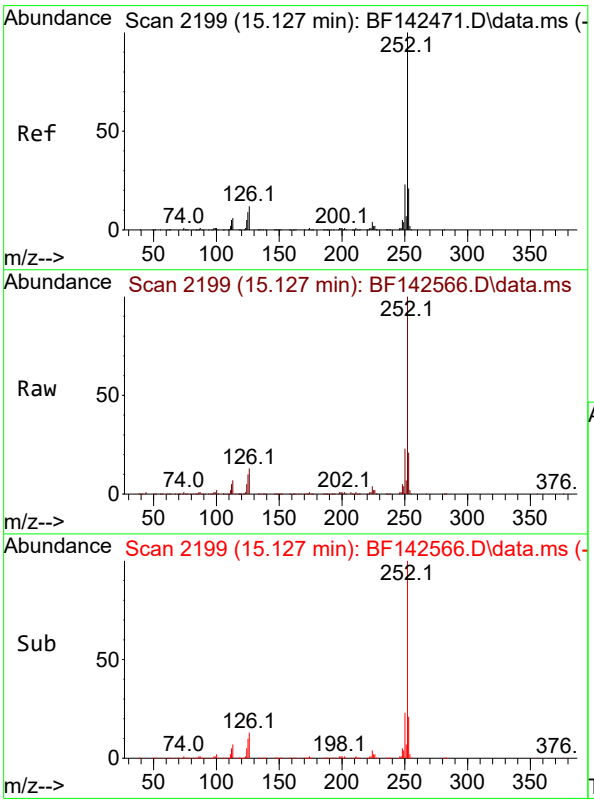
#87
Indeno(1,2,3-cd)pyrene
Concen: 37.472 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 581571

Ion	Ratio	Lower	Upper
276	100		
138	26.2	19.9	29.9
277	25.1	20.2	30.2

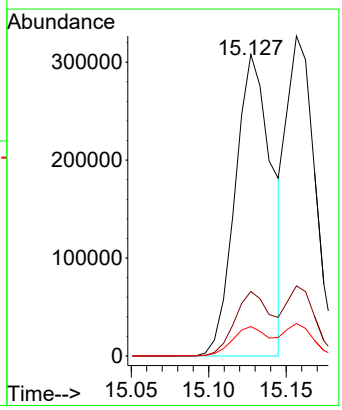


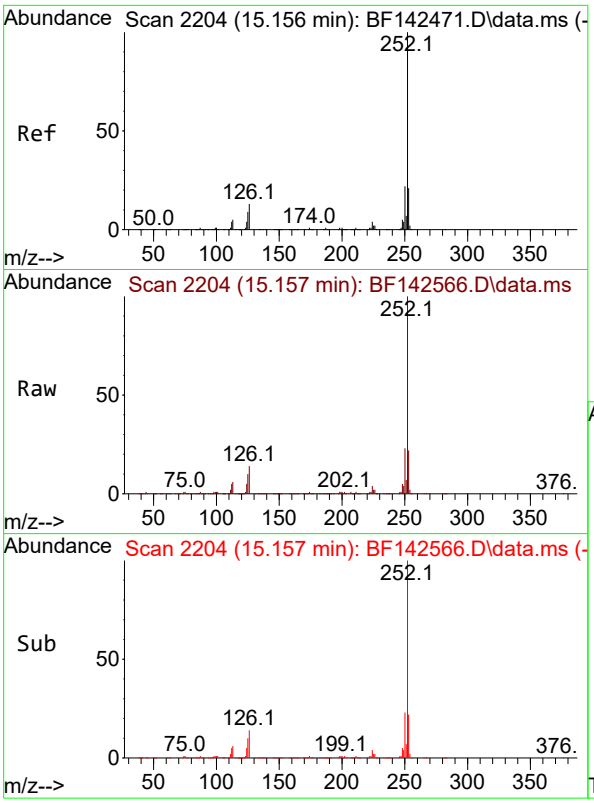


#88
Benzo(b)fluoranthene
Concen: 41.222 ng
RT: 15.127 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:252 Resp: 504365

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.0	25.4
125	9.8	7.4	11.0



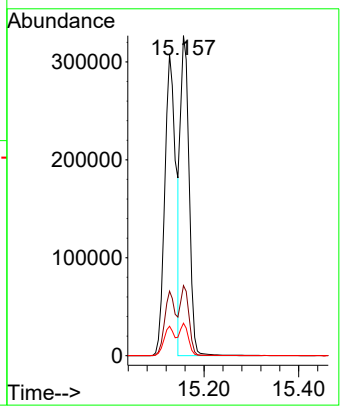


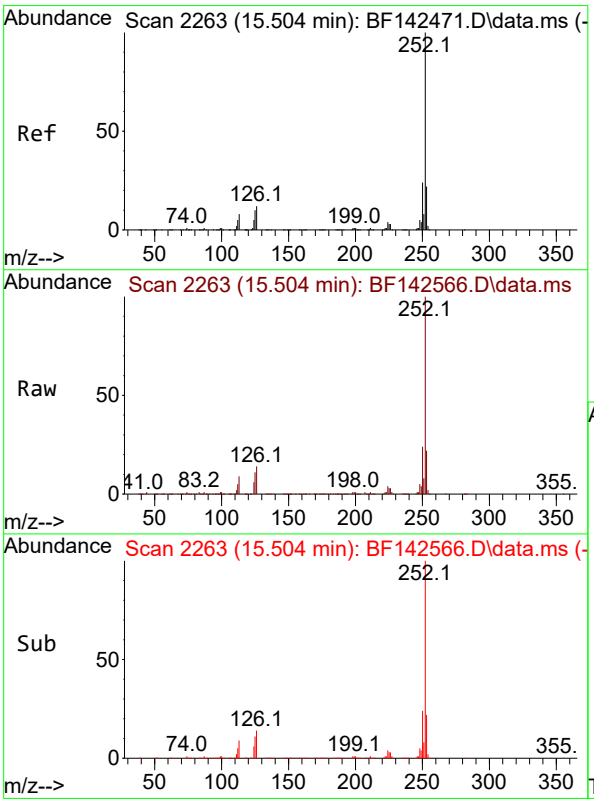
#89
Benzo(k)fluoranthene
Concen: 36.342 ng
RT: 15.157 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 416465

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.4
125	10.1	7.3	10.9

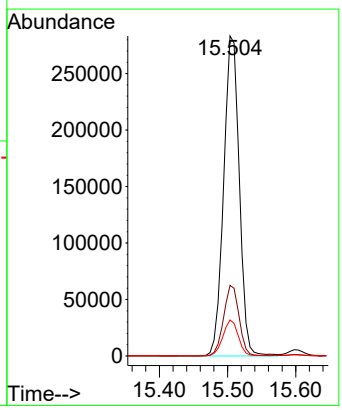


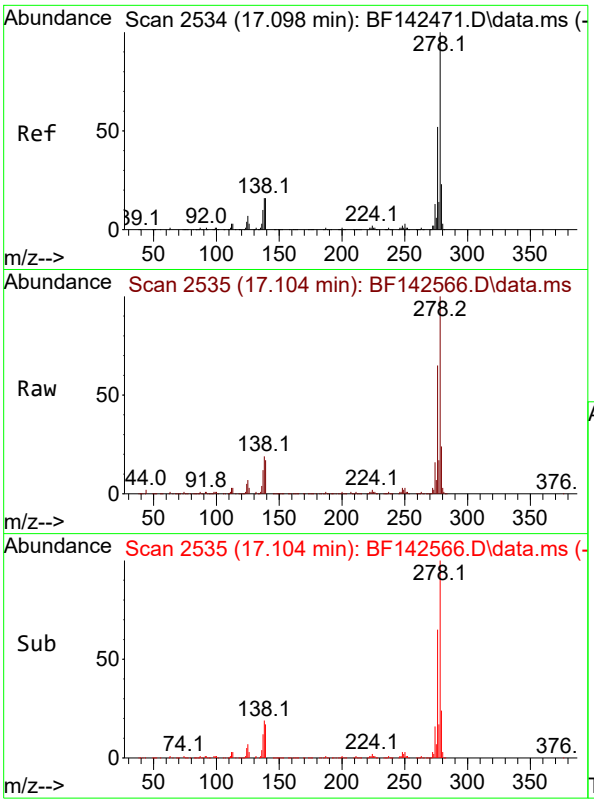


#90
Benzo(a)pyrene
Concen: 39.244 ng
RT: 15.504 min Scan# 2263
Delta R.T. -0.006 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:252 Resp: 452604

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	11.2	7.9	11.9



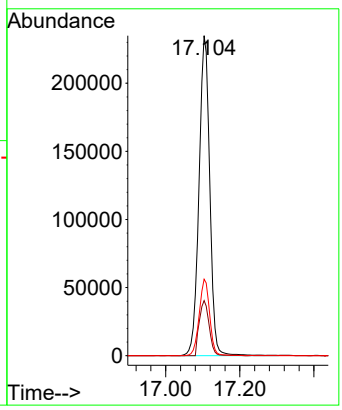


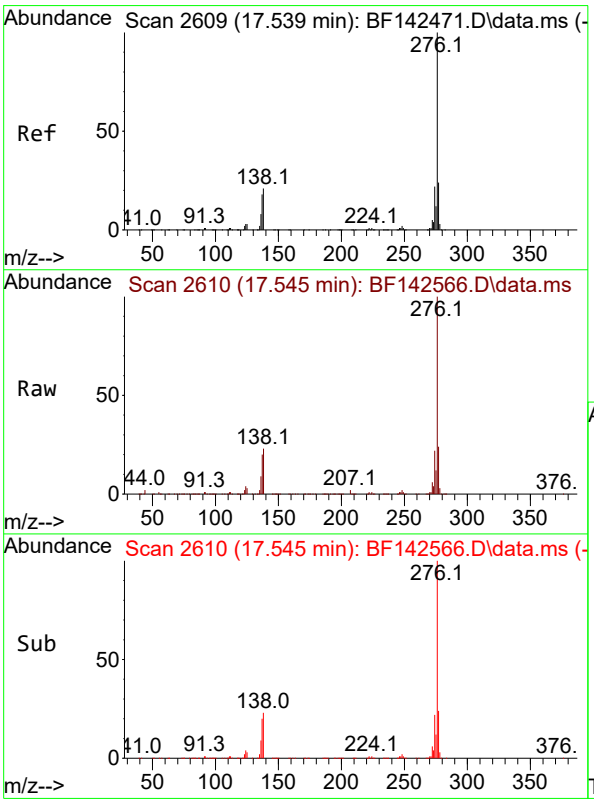
#91
Dibenzo(a,h)anthracene
Concen: 37.545 ng
RT: 17.104 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 472596

Ion	Ratio	Lower	Upper
278	100		
139	17.2	12.8	19.2
279	23.9	18.6	28.0

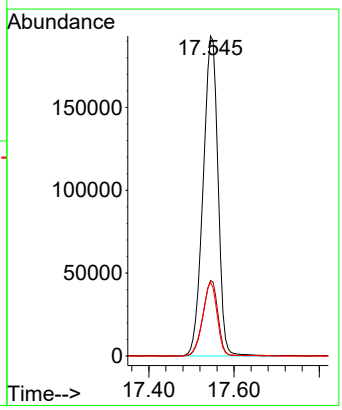




#92
Benzo(g,h,i)perylene
Concen: 37.158 ng
RT: 17.545 min Scan# 2610
Delta R.T. -0.012 min
Lab File: BF142566.D
Acq: 30 May 2025 13:20

Tgt Ion:276 Resp: 467824

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.2	28.8
138	23.0	16.8	25.2



Sample Results: **BF142566.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142566.D
Acq On : 30 May 2025 13:20
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 30 13:42:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 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	112	0.00
2		1,4-Dioxane	0.475	0.463	2.5	114	0.00
3		Pyridine	1.210	1.212	-0.2	116	0.00
4		n-Nitrosodimethylamine	0.628	0.601	4.3	109	-0.02
5	S	2-Fluorophenol	1.187	1.142	3.8	114	0.00
6		Aniline	1.921	1.893	1.5	116	0.00
7	S	Phenol-d6	1.429	1.395	2.4	115	-0.01
8		2-Chlorophenol	1.293	1.256	2.9	113	0.00
9		Benzaldehyde	0.859	0.818	4.8	113	0.00
10	C	Phenol	1.608	1.584	1.5	116	-0.01
11		bis(2-Chloroethyl)ether	1.157	1.123	2.9	114	0.00
12		1,3-Dichlorobenzene	1.443	1.370	5.1	111	0.00
13	C	1,4-Dichlorobenzene	1.453	1.400	3.6	112	0.00
14		1,2-Dichlorobenzene	1.391	1.336	4.0	113	0.00
15		Benzyl Alcohol	1.056	1.029	2.6	113	0.00
16		2,2'-oxybis(1-Chloropropane	1.944	1.881	3.2	113	0.00
17		2-Methylphenol	1.010	0.992	1.8	114	0.00
18		Hexachloroethane	0.507	0.479	5.5	110	0.00
19	P	n-Nitroso-di-n-propylamine	0.886	0.830	6.3	111	-0.02
20		3+4-Methylphenols	1.293	1.261	2.5	114	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	115	0.00
22		Acetophenone	0.443	0.414	6.5	111	0.00
23	S	Nitrobenzene-d5	0.367	0.349	4.9	113	-0.01
24		Nitrobenzene	0.331	0.318	3.9	114	0.00
25		Isophorone	0.613	0.577	5.9	112	-0.01
26	C	2-Nitrophenol	0.177	0.175	1.1	115	0.00
27		2,4-Dimethylphenol	0.312	0.302	3.2	115	0.00
28		bis(2-Chloroethoxy)methane	0.383	0.367	4.2	116	-0.01
29	C	2,4-Dichlorophenol	0.283	0.273	3.5	114	0.00
30		1,2,4-Trichlorobenzene	0.308	0.290	5.8	113	0.00
31		Naphthalene	0.985	0.922	6.4	113	0.00
32		Benzoic acid	0.190	0.187	1.6	114	-0.04
33		4-Chloroaniline	0.399	0.386	3.3	114	0.00
34	C	Hexachlorobutadiene	0.192	0.175	8.9	108	0.00
35		Caprolactam	0.080	0.083	-3.8	122	-0.02
36	C	4-Chloro-3-methylphenol	0.291	0.279	4.1	114	-0.01
37		2-Methylnaphthalene	0.620	0.583	6.0	114	0.00
38		1-Methylnaphthalene	0.641	0.598	6.7	112	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	114	0.00
40		1,2,4,5-Tetrachlorobenzene	0.574	0.549	4.4	113	0.00
41	P	Hexachlorocyclopentadiene	0.387	0.358	7.5	103	0.00
42	S	2,4,6-Tribromophenol	0.222	0.215	3.2	116	0.00
43	C	2,4,6-Trichlorophenol	0.387	0.373	3.6	114	0.00
44		2,4,5-Trichlorophenol	0.408	0.398	2.5	115	0.00
45	S	2-Fluorobiphenyl	1.490	1.348	9.5	110	0.00
46		1,1'-Biphenyl	1.552	1.466	5.5	113	0.00
47		2-Chloronaphthalene	1.146	1.087	5.1	113	0.00

Sample Results: **BF142566.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142566.D
Acq On : 30 May 2025 13:20
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 30 13:42:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 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	0.331	0.326	1.5	115	0.00
49		Acenaphthylene	1.936	1.851	4.4	114	0.00
50		Dimethylphthalate	1.320	1.261	4.5	114	0.00
51		2,6-Dinitrotoluene	0.285	0.281	1.4	114	0.00
52	C	Acenaphthene	1.182	1.133	4.1	115	0.00
53		3-Nitroaniline	0.311	0.320	-2.9	122	0.00
54	P	2,4-Dinitrophenol	0.147	0.156	-6.1	119	0.00
55		Dibenzofuran	1.701	1.625	4.5	115	0.00
56	P	4-Nitrophenol	0.230	0.234	-1.7	117	0.00
57		2,4-Dinitrotoluene	0.372	0.380	-2.2	119	0.00
58		Fluorene	1.314	1.256	4.4	116	0.00
59		2,3,4,6-Tetrachlorophenol	0.341	0.332	2.6	114	0.00
60		Diethylphthalate	1.289	1.248	3.2	115	0.00
61		4-Chlorophenyl-phenylether	0.646	0.618	4.3	115	0.00
62		4-Nitroaniline	0.282	0.303	-7.4	125	-0.01
63		Azobenzene	1.158	1.114	3.8	114	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	119	0.00
65		4,6-Dinitro-2-methylphenol	0.112	0.117	-4.5	121	0.00
66	c	n-Nitrosodiphenylamine	0.684	0.624	8.8	115	0.00
67		4-Bromophenyl-phenylether	0.236	0.217	8.1	117	0.00
68		Hexachlorobenzene	0.262	0.244	6.9	117	0.00
69		Atrazine	0.182	0.184	-1.1	124	0.00
70	C	Pentachlorophenol	0.148	0.139	6.1	113	0.00
71		Phenanthrene	1.069	0.997	6.7	118	0.00
72		Anthracene	1.091	1.035	5.1	119	0.00
73		Carbazole	0.933	0.916	1.8	123	0.00
74		Di-n-butylphthalate	1.021	1.020	0.1	125	0.00
75	C	Fluoranthene	0.999	1.004	-0.5	128	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	132	0.00
77		Benzidine	0.744	0.808	-8.6	134	0.00
78		Pyrene	1.866	1.816	2.7	129	0.00
79	S	Terphenyl-d14	1.464	1.377	5.9	128	0.00
80		Butylbenzylphthalate	0.516	0.551	-6.8	138	0.00
81		Benzo(a)anthracene	1.336	1.270	4.9	131	0.00
82		3,3'-Dichlorobenzidine	0.405	0.411	-1.5	133	0.00
83		Chrysene	1.200	1.171	2.4	135	0.00
84		Bis(2-ethylhexyl)phthalate	0.660	0.643	2.6	126	0.00
85	c	Di-n-octyl phthalate	1.290	1.047	18.8	109	0.00
86	I	Perylene-d12	1.000	1.000	0.0	109	0.00
87		Indeno(1,2,3-cd)pyrene	1.501	1.407	6.3	106	0.00
88		Benzo(b)fluoranthene	1.184	1.220	-3.0	118	0.00
89		Benzo(k)fluoranthene	1.109	1.007	9.2	106	0.00
90	C	Benzo(a)pyrene	1.116	1.095	1.9	111	0.00
91		Dibenzo(a,h)anthracene	1.218	1.143	6.2	105	-0.01
92		Benzo(g,h,i)perylene	1.218	1.131	7.1	105	-0.01

Sample Results: **BF142566.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142566.D
Acq On : 30 May 2025 13:20
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 30 13:42:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 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: **BF142566.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142566.D
Acq On : 30 May 2025 13:20
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 30 13:42:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 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	112	0.00
2		1,4-Dioxane	40.000	38.980	2.6	114	0.00
3		Pyridine	40.000	40.066	-0.2	116	0.00
4		n-Nitrosodimethylamine	40.000	38.252	4.4	109	-0.02
5	S	2-Fluorophenol	80.000	76.955	3.8	114	0.00
6		Aniline	40.000	39.416	1.5	116	0.00
7	S	Phenol-d6	80.000	78.117	2.4	115	-0.01
8		2-Chlorophenol	40.000	38.865	2.8	113	0.00
9		Benzaldehyde	40.000	38.086	4.8	113	0.00
10	C	Phenol	40.000	39.414	1.5	116	-0.01
11		bis(2-Chloroethyl)ether	40.000	38.816	3.0	114	0.00
12		1,3-Dichlorobenzene	40.000	37.995	5.0	111	0.00
13	C	1,4-Dichlorobenzene	40.000	38.536	3.7	112	0.00
14		1,2-Dichlorobenzene	40.000	38.432	3.9	113	0.00
15		Benzyl Alcohol	40.000	38.981	2.5	113	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.703	3.2	113	0.00
17		2-Methylphenol	40.000	39.316	1.7	114	0.00
18		Hexachloroethane	40.000	37.722	5.7	110	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.494	6.3	111	-0.02
20		3+4-Methylphenols	40.000	39.012	2.5	114	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	115	0.00
22		Acetophenone	40.000	37.376	6.6	111	0.00
23	S	Nitrobenzene-d5	80.000	76.107	4.9	113	-0.01
24		Nitrobenzene	40.000	38.488	3.8	114	0.00
25		Isophorone	40.000	37.650	5.9	112	-0.01
26	C	2-Nitrophenol	40.000	39.647	0.9	115	0.00
27		2,4-Dimethylphenol	40.000	38.780	3.0	115	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.289	4.3	116	-0.01
29	C	2,4-Dichlorophenol	40.000	38.539	3.7	114	0.00
30		1,2,4-Trichlorobenzene	40.000	37.755	5.6	113	0.00
31		Naphthalene	40.000	37.447	6.4	113	0.00
32		Benzoic acid	40.000	39.371	1.6	114	-0.04
33		4-Chloroaniline	40.000	38.689	3.3	114	0.00
34	C	Hexachlorobutadiene	40.000	36.473	8.8	108	0.00
35		Caprolactam	40.000	41.805	-4.5	122	-0.02
36	C	4-Chloro-3-methylphenol	40.000	38.452	3.9	114	-0.01
37		2-Methylnaphthalene	40.000	37.642	5.9	114	0.00
38		1-Methylnaphthalene	40.000	37.334	6.7	112	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	114	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.226	4.4	113	0.00
41	P	Hexachlorocyclopentadiene	40.000	36.924	7.7	103	0.00
42	S	2,4,6-Tribromophenol	80.000	77.469	3.2	116	0.00
43	C	2,4,6-Trichlorophenol	40.000	38.568	3.6	114	0.00
44		2,4,5-Trichlorophenol	40.000	39.016	2.5	115	0.00
45	S	2-Fluorobiphenyl	80.000	72.339	9.6	110	0.00
46		1,1'-Biphenyl	40.000	37.790	5.5	113	0.00
47		2-Chloronaphthalene	40.000	37.924	5.2	113	0.00

Sample Results: **BF142566.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142566.D
Acq On : 30 May 2025 13:20
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 30 13:42:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 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	39.403	1.5	115	0.00
49		Acenaphthylene	40.000	38.256	4.4	114	0.00
50		Dimethylphthalate	40.000	38.221	4.4	114	0.00
51		2,6-Dinitrotoluene	40.000	39.404	1.5	114	0.00
52	C	Acenaphthene	40.000	38.332	4.2	115	0.00
53		3-Nitroaniline	40.000	41.142	-2.9	122	0.00
54	P	2,4-Dinitrophenol	40.000	42.540	-6.3	119	0.00
55		Dibenzofuran	40.000	38.204	4.5	115	0.00
56	P	4-Nitrophenol	40.000	40.751	-1.9	117	0.00
57		2,4-Dinitrotoluene	40.000	40.883	-2.2	119	0.00
58		Fluorene	40.000	38.224	4.4	116	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.005	2.5	114	0.00
60		Diethylphthalate	40.000	38.740	3.1	115	0.00
61		4-Chlorophenyl-phenylether	40.000	38.294	4.3	115	0.00
62		4-Nitroaniline	40.000	43.023	-7.6	125	-0.01
63		Azobenzene	40.000	38.477	3.8	114	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	119	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.899	-4.7	121	0.00
66	c	n-Nitrosodiphenylamine	40.000	36.507	8.7	115	0.00
67		4-Bromophenyl-phenylether	40.000	36.764	8.1	117	0.00
68		Hexachlorobenzene	40.000	37.386	6.5	117	0.00
69		Atrazine	40.000	40.470	-1.2	124	0.00
70	C	Pentachlorophenol	40.000	37.734	5.7	113	0.00
71		Phenanthrene	40.000	37.294	6.8	118	0.00
72		Anthracene	40.000	37.945	5.1	119	0.00
73		Carbazole	40.000	39.284	1.8	123	0.00
74		Di-n-butylphthalate	40.000	39.961	0.1	125	0.00
75	C	Fluoranthene	40.000	40.225	-0.6	128	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	132	0.00
77		Benzidine	40.000	43.420	-8.6	134	0.00
78		Pyrene	40.000	38.937	2.7	129	0.00
79	S	Terphenyl-d14	80.000	75.263	5.9	128	0.00
80		Butylbenzylphthalate	40.000	42.730	-6.8	138	0.00
81		Benzo(a)anthracene	40.000	38.038	4.9	131	0.00
82		3,3'-Dichlorobenzidine	40.000	40.543	-1.4	133	0.00
83		Chrysene	40.000	39.038	2.4	135	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	38.965	2.6	126	0.00
85	c	Di-n-octyl phthalate	40.000	32.445	18.9	109	0.00
86	I	Perylene-d12	20.000	20.000	0.0	109	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	37.472	6.3	106	0.00
88		Benzo(b)fluoranthene	40.000	41.222	-3.1	118	0.00
89		Benzo(k)fluoranthene	40.000	36.342	9.1	106	0.00
90	C	Benzo(a)pyrene	40.000	39.244	1.9	111	0.00
91		Dibenzo(a,h)anthracene	40.000	37.545	6.1	105	-0.01
92		Benzo(g,h,i)perylene	40.000	37.158	7.1	105	-0.01

Sample Results: **BF142566.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142566.D
Acq On : 30 May 2025 13:20
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 30 13:42:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ARAM01

Lab Code: CHEM Case No.: Q2149 SAS No.: Q2149 SDG No.: Q2149

Instrument ID: BNA_F Calibration Date/Time: 06/02/2025 11:30

Lab File ID: BF142590.D Init. Calib. Date(s): 05/20/2025 05/20/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:10 15:31

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.210	1.210		0.0	
2-Fluorophenol	1.187	1.153		-2.9	
Phenol-d6	1.429	1.385		-3.1	
1,4-Dichlorobenzene	1.453	1.412		-2.8	20.0
2-Methylphenol	1.010	0.984		-2.6	
3+4-Methylphenols	1.293	1.242		-3.9	
Nitrobenzene-d5	0.367	0.347		-5.4	
Hexachloroethane	0.507	0.483		-4.7	
Nitrobenzene	0.331	0.314		-5.1	
Hexachlorobutadiene	0.192	0.175		-8.9	20.0
2,4,6-Trichlorophenol	0.387	0.366		-5.4	20.0
2-Fluorobiphenyl	1.490	1.341		-10.0	
2,4,5-Trichlorophenol	0.408	0.396		-2.9	
2,4-Dinitrotoluene	0.372	0.374		0.5	
2,4,6-Tribromophenol	0.222	0.212		-4.5	
Hexachlorobenzene	0.262	0.246		-6.1	
Pentachlorophenol	0.148	0.139		-6.1	20.0
Terphenyl-d14	1.464	1.327		-9.4	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142590.D
Acq On : 02 Jun 2025 11:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 02 11:53:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	112830	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	441878	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	241388	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	415282	20.000	ng	0.00
76) Chrysene-d12	14.074	240	230387	20.000	ng	0.00
86) Perylene-d12	15.568	264	238851	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	520453	77.713	ng	0.00
7) Phenol-d6	6.522	99	624999	77.527	ng	-0.01
23) Nitrobenzene-d5	7.463	82	614193	75.793	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	204924	76.490	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1294863	71.981	ng	-0.01
79) Terphenyl-d14	13.016	244	1222487	72.512	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.657	88	104787	39.101	ng	99
3) Pyridine	3.434	79	273075	40.014	ng	98
4) n-Nitrosodimethylamine	3.381	42	134236	37.883	ng	92
6) Aniline	6.563	93	426917	39.384	ng	99
8) 2-Chlorophenol	6.681	128	284430	38.992	ng	99
9) Benzaldehyde	6.451	77	181042	37.337	ng	99
10) Phenol	6.540	94	351528	38.752	ng	99
11) bis(2-Chloroethyl)ether	6.634	93	253577	38.834	ng	100
12) 1,3-Dichlorobenzene	6.839	146	312463	38.387	ng	99
13) 1,4-Dichlorobenzene	6.916	146	318681	38.867	ng	99
14) 1,2-Dichlorobenzene	7.069	146	302583	38.567	ng	99
15) Benzyl Alcohol	7.039	79	229225	38.476	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.175	45	422408	38.521	ng	99
17) 2-Methylphenol	7.151	107	222036	38.986	ng	99
18) Hexachloroethane	7.410	117	108916	38.042	ng	97
19) n-Nitroso-di-n-propyla...	7.310	70	187037	37.435	ng	99
20) 3+4-Methylphenols	7.304	107	280371	38.443	ng	98
22) Acetophenone	7.310	105	368253	37.647	ng	98
24) Nitrobenzene	7.481	77	277591	37.981	ng	99
25) Isophorone	7.722	82	508065	37.499	ng	98
26) 2-Nitrophenol	7.798	139	155595	39.842	ng	96
27) 2,4-Dimethylphenol	7.834	122	264387	38.389	ng	99
28) bis(2-Chloroethoxy)met...	7.928	93	322678	38.126	ng	99
29) 2,4-Dichlorophenol	8.039	162	243024	38.802	ng	100
30) 1,2,4-Trichlorobenzene	8.122	180	261489	38.470	ng	98
31) Naphthalene	8.204	128	830285	38.160	ng	100
32) Benzoic acid	7.939	122	160260	38.227	ng	98
33) 4-Chloroaniline	8.251	127	343825	38.998	ng	99
34) Hexachlorobutadiene	8.322	225	154741	36.459	ng	98
35) Caprolactam	8.622	113	73834	41.974	ng	99
36) 4-Chloro-3-methylphenol	8.728	107	243211	37.891	ng	98
37) 2-Methylnaphthalene	8.898	142	513490	37.513	ng	99
38) 1-Methylnaphthalene	8.998	142	530617	37.476	ng	100
40) 1,2,4,5-Tetrachloroben...	9.063	216	261475	37.735	ng	100
41) Hexachlorocyclopentadiene	9.051	237	164068	35.099	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	176717	37.821	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142590.D
Acq On : 02 Jun 2025 11:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 02 11:53:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

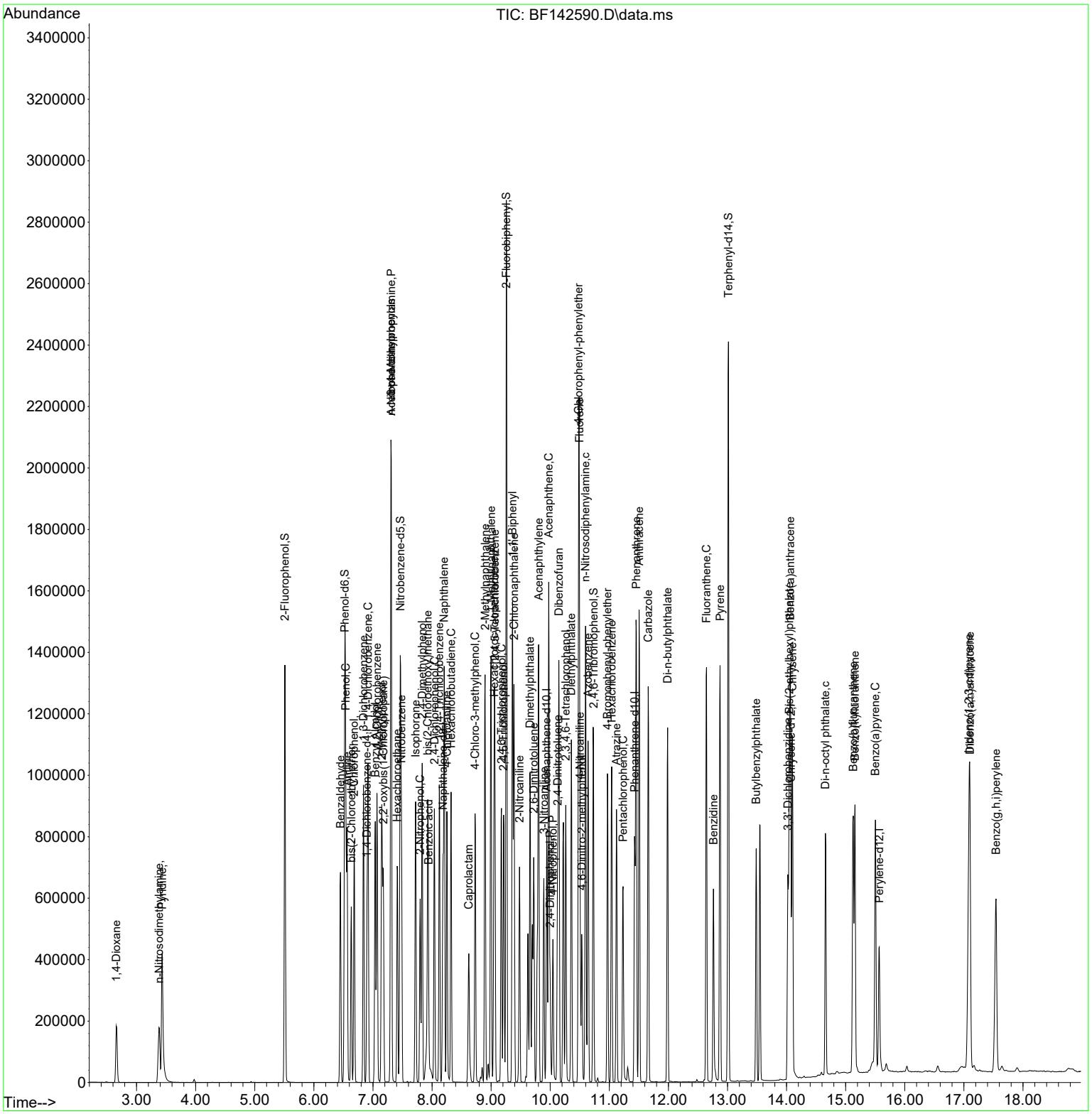
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	191168	38.794	ng	99
46) 1,1'-Biphenyl	9.363	154	702351	37.504	ng	100
47) 2-Chloronaphthalene	9.386	162	521535	37.693	ng	99
48) 2-Nitroaniline	9.480	65	156771	39.199	ng	98
49) Acenaphthylene	9.804	152	883436	37.812	ng	100
50) Dimethylphthalate	9.657	163	609673	38.278	ng	100
51) 2,6-Dinitrotoluene	9.722	165	134489	39.122	ng	97
52) Acenaphthene	9.975	154	539520	37.817	ng	99
53) 3-Nitroaniline	9.892	138	151962	40.472	ng	99
54) 2,4-Dinitrophenol	9.998	184	68903	38.796	ng	94
55) Dibenzofuran	10.145	168	775550	37.777	ng	98
56) 4-Nitrophenol	10.045	139	109452	39.507	ng	97
57) 2,4-Dinitrotoluene	10.128	165	180640	40.236	ng	99
58) Fluorene	10.492	166	606801	38.259	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	161231	39.192	ng	99
60) Diethylphthalate	10.357	149	591746	38.041	ng	100
61) 4-Chlorophenyl-phenyle...	10.480	204	295424	37.917	ng	97
62) 4-Nitroaniline	10.504	138	142644	41.888	ng	96
63) Azobenzene	10.639	77	534537	38.258	ng	98
65) 4,6-Dinitro-2-methylph...	10.533	198	94020	40.568	ng	99
66) n-Nitrosodiphenylamine	10.598	169	532389	37.472	ng	100
67) 4-Bromophenyl-phenylether	10.969	248	182475	37.161	ng	100
68) Hexachlorobenzene	11.039	284	204259	37.610	ng	99
69) Atrazine	11.122	200	152871	40.515	ng	99
70) Pentachlorophenol	11.233	266	115580	37.694	ng	99
71) Phenanthrene	11.457	178	843782	38.019	ng	100
72) Anthracene	11.504	178	868050	38.324	ng	100
73) Carbazole	11.657	167	762565	39.382	ng	100
74) Di-n-butylphthalate	11.986	149	845566	39.894	ng	100
75) Fluoranthene	12.645	202	822707	39.672	ng	99
77) Benzidine	12.763	184	372760	43.479	ng	99
78) Pyrene	12.874	202	811108	37.740	ng	100
80) Butylbenzylphthalate	13.486	149	251441	42.340	ng	98
81) Benzo(a)anthracene	14.063	228	586045	38.094	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	195614	41.922	ng	98
83) Chrysene	14.098	228	523222	37.850	ng	100
84) Bis(2-ethylhexyl)phtha...	14.045	149	319802	42.067	ng	99
85) Di-n-octyl phthalate	14.657	149	550609	37.041	ng	99
87) Indeno(1,2,3-cd)pyrene	17.086	276	653334	36.435	ng	99
88) Benzo(b)fluoranthene	15.127	252	537758	38.041	ng	99
89) Benzo(k)fluoranthene	15.157	252	496143	37.472	ng	98
90) Benzo(a)pyrene	15.504	252	511548	38.390	ng	98
91) Dibenzo(a,h)anthracene	17.104	278	537907	36.987	ng	100
92) Benzo(g,h,i)perylene	17.545	276	528096	36.304	ng	98

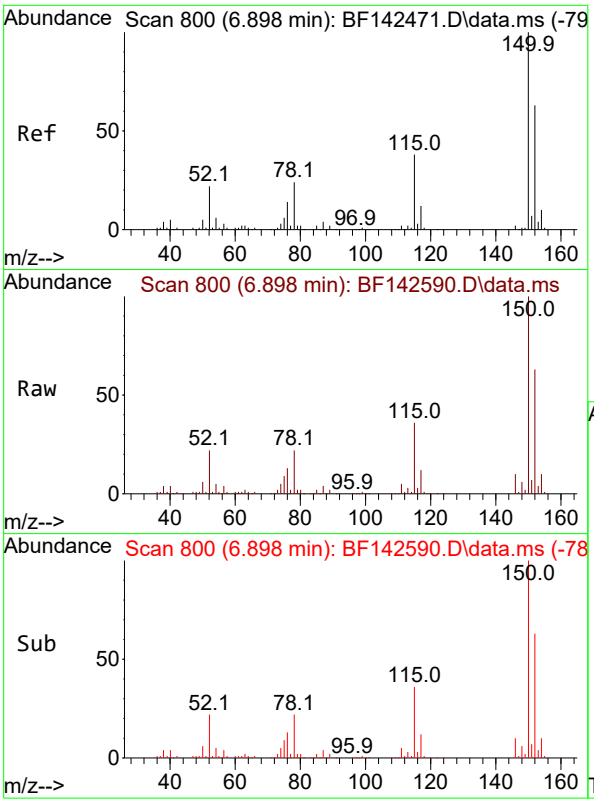
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142590.D
Acq On : 02 Jun 2025 11:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 02 11:53:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



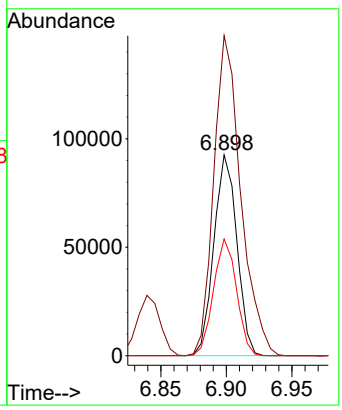


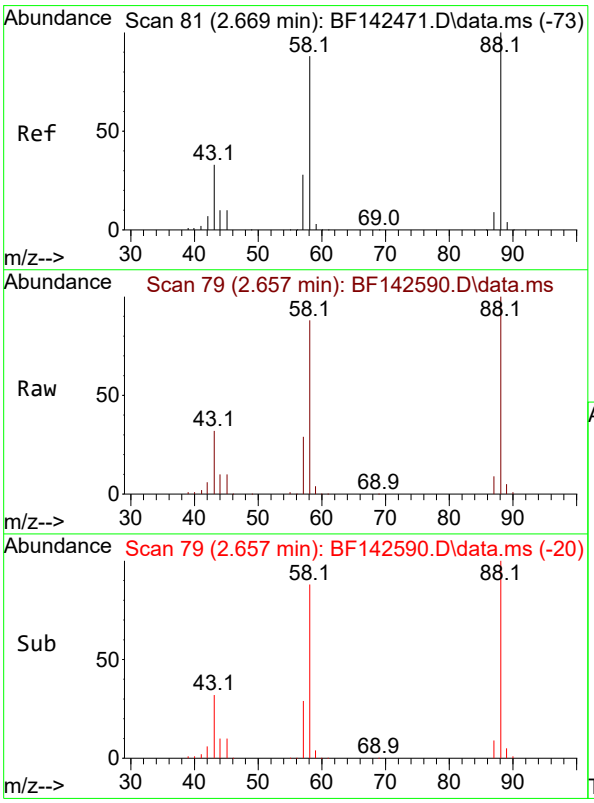
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 112830

Ion	Ratio	Lower	Upper
152	100		
150	159.4	128.2	192.4
115	58.1	48.3	72.5

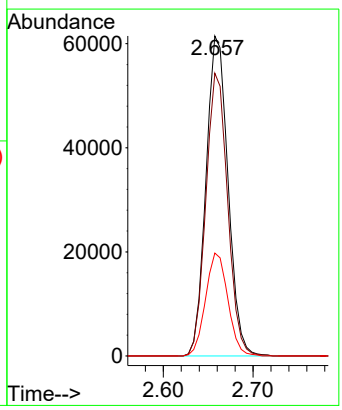


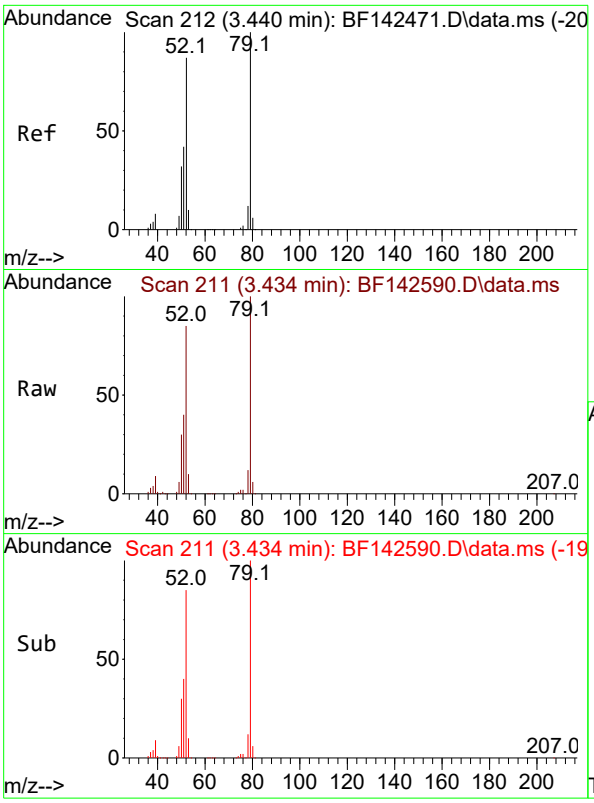


#2
1,4-Dioxane
Concen: 39.101 ng
RT: 2.657 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion: 88 Resp: 104787

Ion	Ratio	Lower	Upper
88	100		
58	87.4	70.8	106.2
43	32.6	26.6	40.0



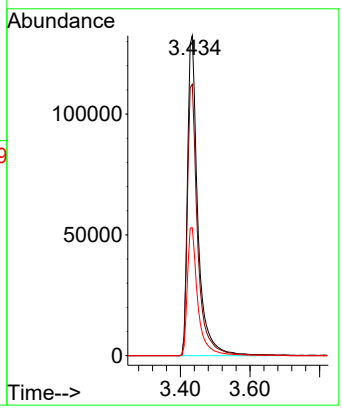


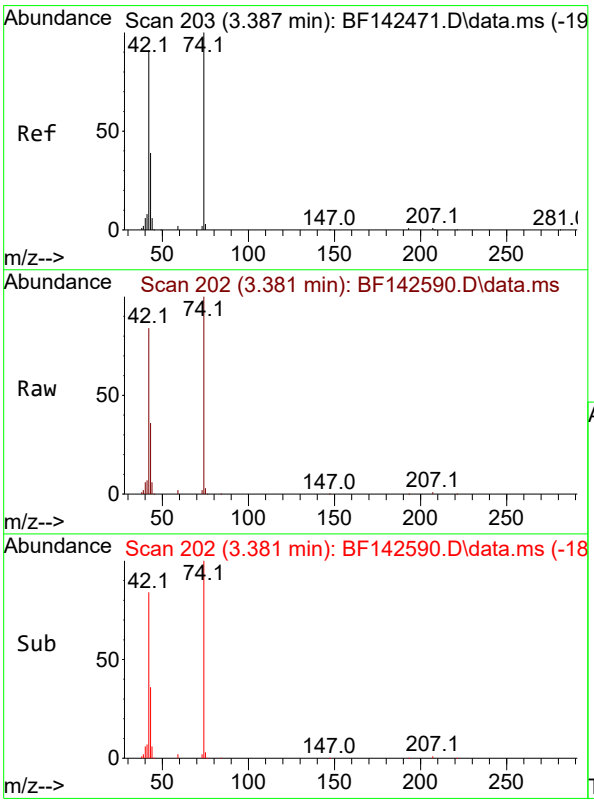
#3
Pyridine
Concen: 40.014 ng
RT: 3.434 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 273075

Ion	Ratio	Lower	Upper
79	100		
52	84.8	69.2	103.8
51	40.0	33.3	49.9

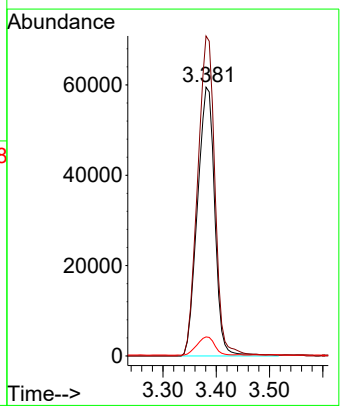


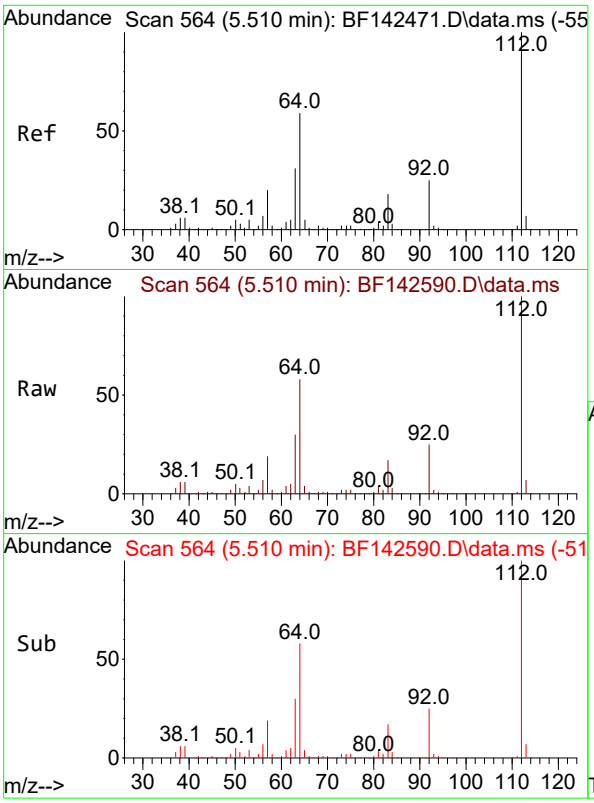


#4
n-Nitrosodimethylamine
Concen: 37.883 ng
RT: 3.381 min Scan# 202
Delta R.T. -0.023 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion: 42 Resp: 134236

Ion	Ratio	Lower	Upper
42	100		
74	119.1	88.2	132.4
44	7.1	5.4	8.2



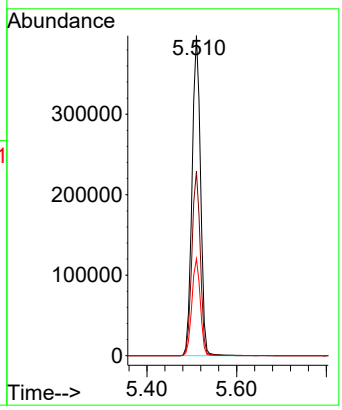


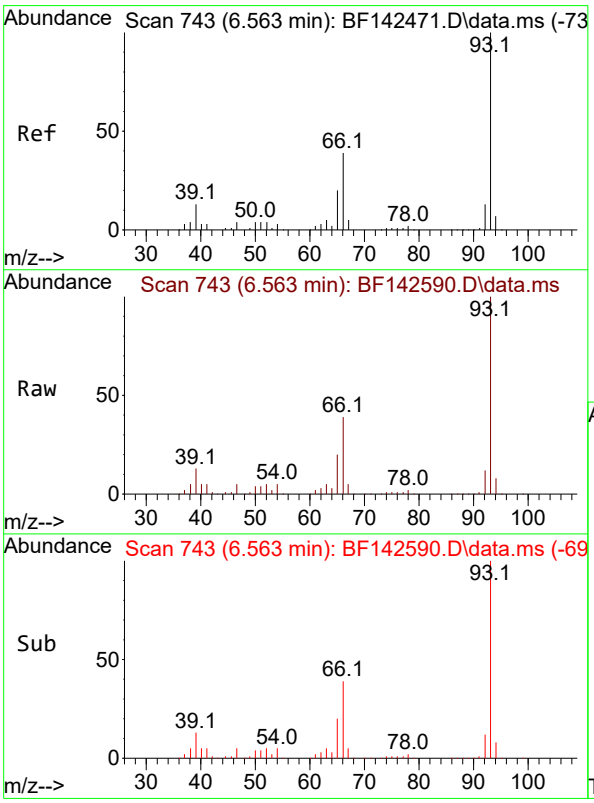
#5
2-Fluorophenol
Concen: 77.713 ng
RT: 5.510 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 520453

Ion	Ratio	Lower	Upper
112	100		
64	57.6	47.5	71.3
63	30.3	24.9	37.3

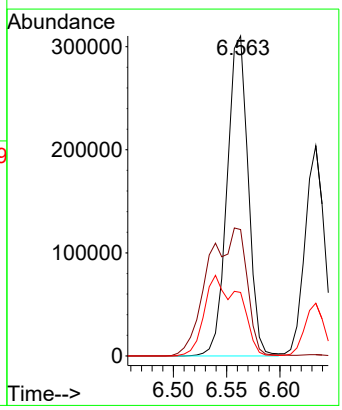


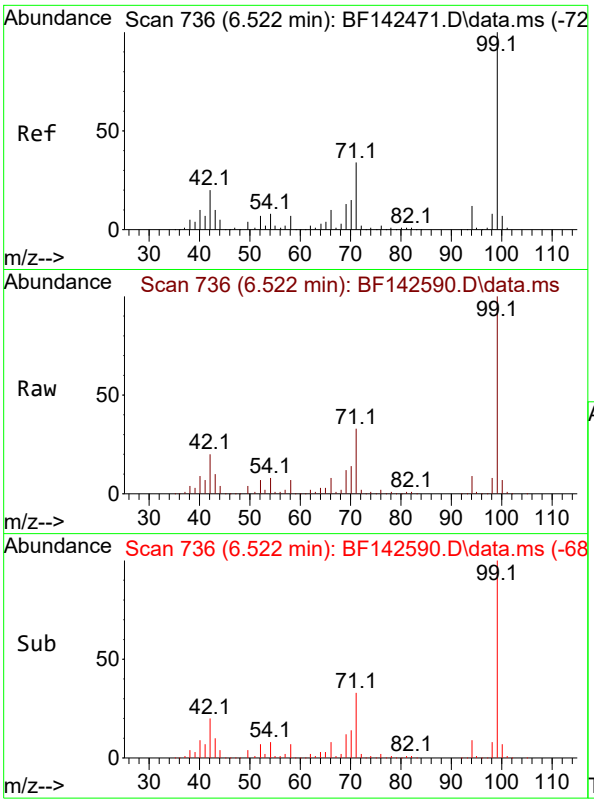


#6
Aniline
Concen: 39.384 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion: 93 Resp: 426917

Ion	Ratio	Lower	Upper
93	100		
66	39.5	32.0	48.0
65	19.8	16.1	24.1



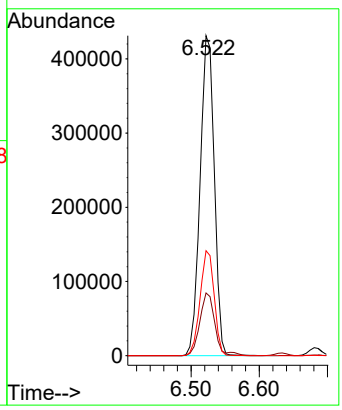


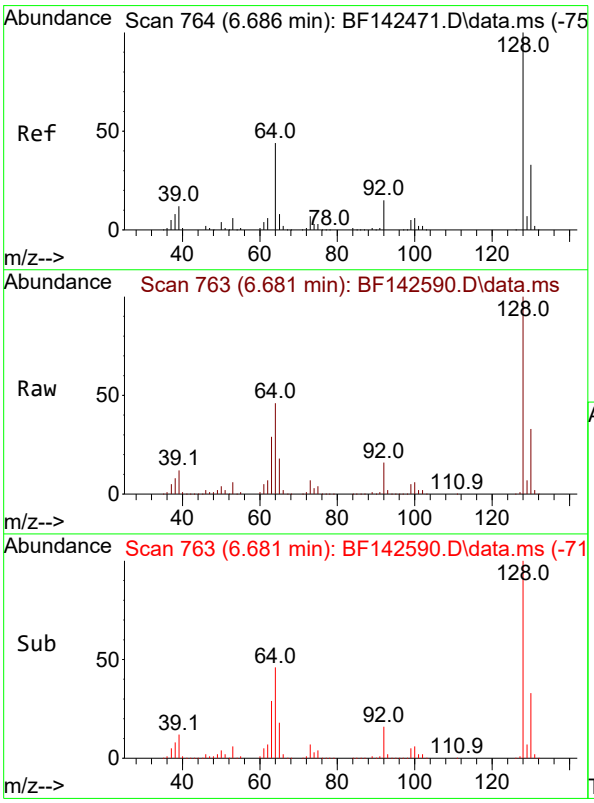
#7
Phenol-d6
Concen: 77.527 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 624999

Ion	Ratio	Lower	Upper
99	100		
42	19.6	16.2	24.2
71	32.8	27.3	40.9

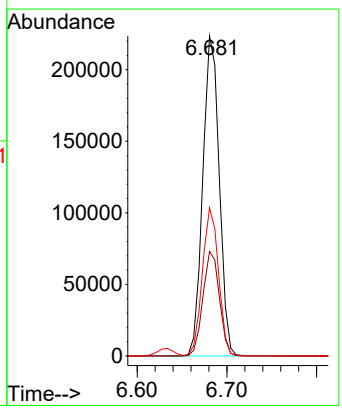


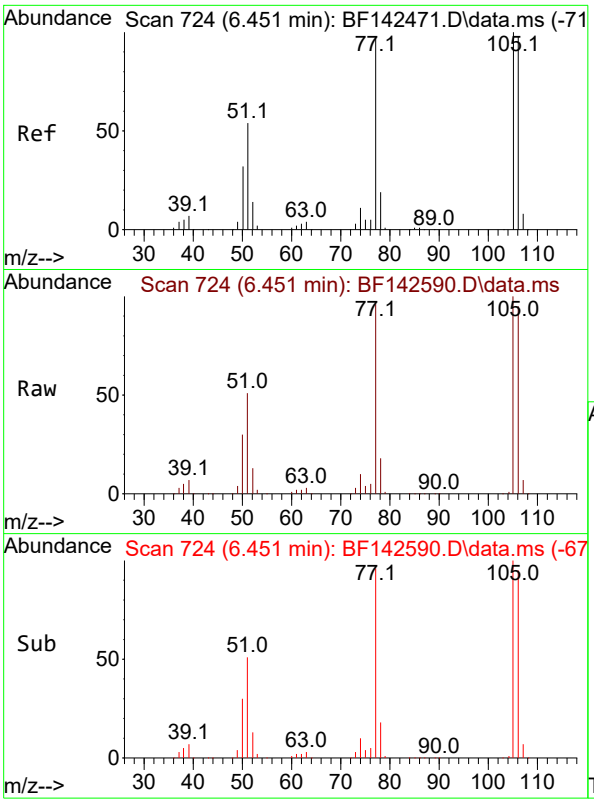


#8
2-Chlorophenol
Concen: 38.992 ng
RT: 6.681 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:128 Resp: 284430

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.6	52.6
64	46.3	25.1	65.1



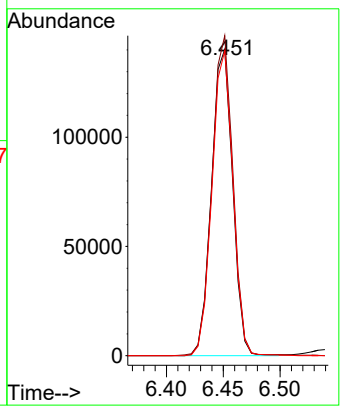


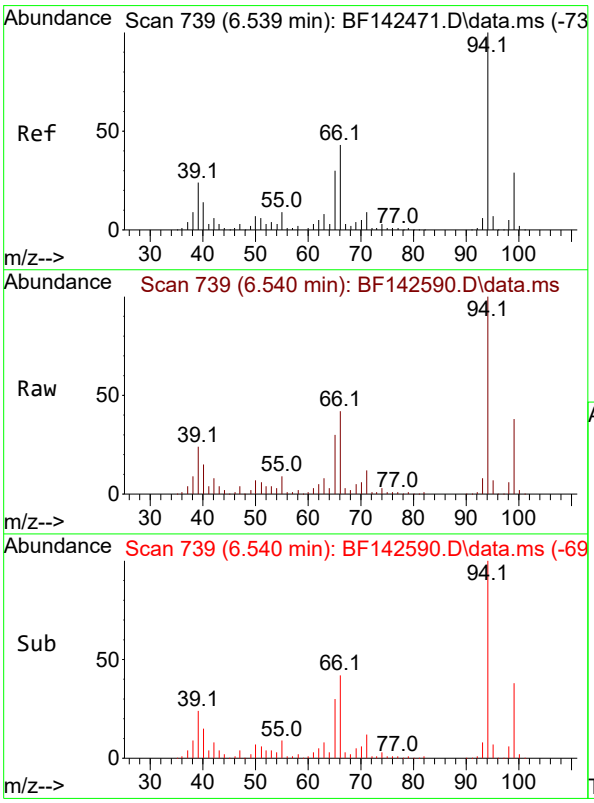
#9
Benzaldehyde
Concen: 37.337 ng
RT: 6.451 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 181042

Ion	Ratio	Lower	Upper
77	100		
105	104.4	82.5	122.5
106	99.5	80.0	120.0

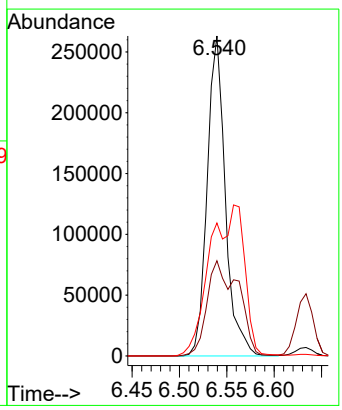


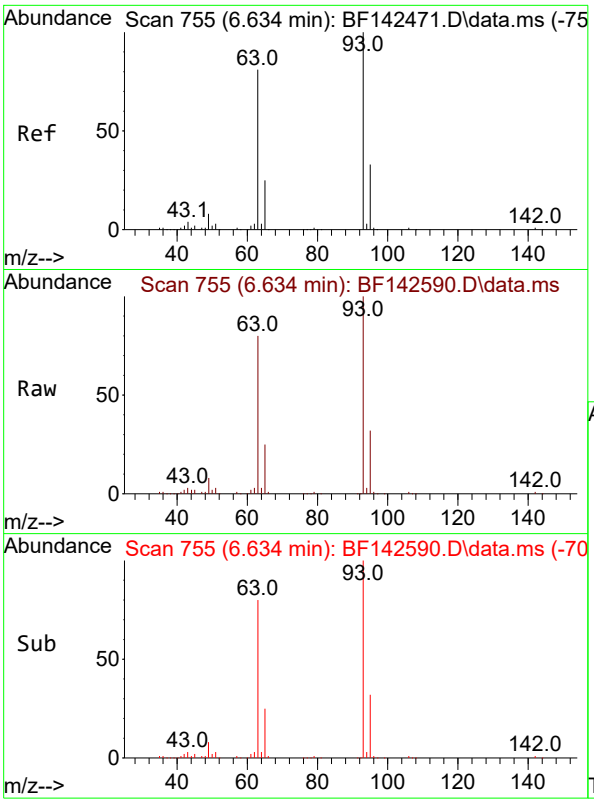


#10
Phenol
Concen: 38.752 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion: 94 Resp: 351528

Ion	Ratio	Lower	Upper
94	100		
65	29.8	10.3	50.3
66	41.6	22.6	62.6



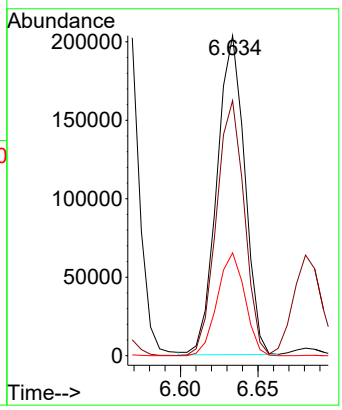


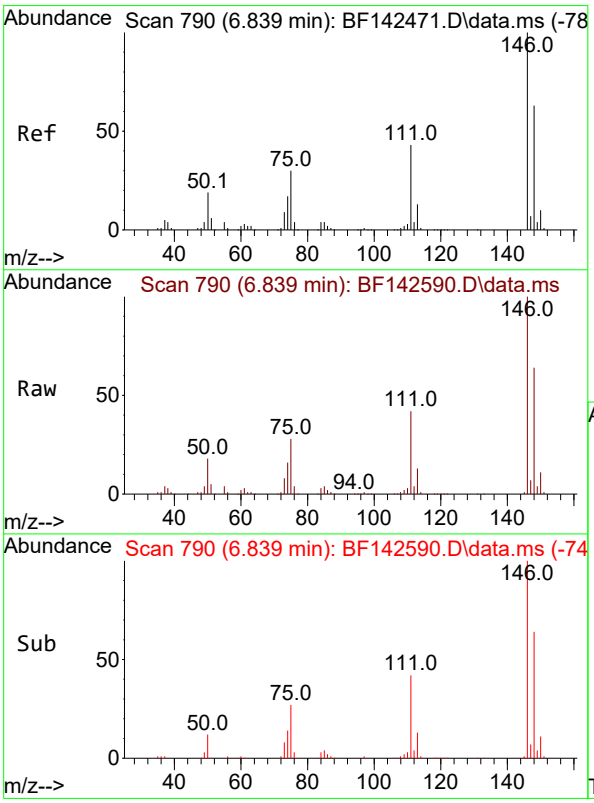
#11
bis(2-Chloroethyl)ether
Concen: 38.834 ng
RT: 6.634 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 253577

Ion	Ratio	Lower	Upper
93	100		
63	79.7	60.2	100.2
95	32.1	12.3	52.3

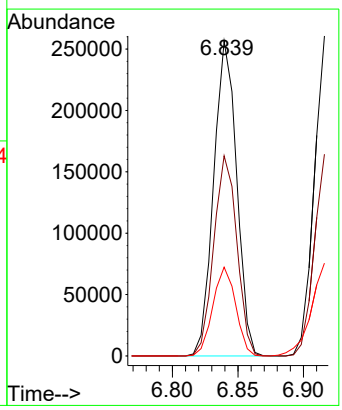


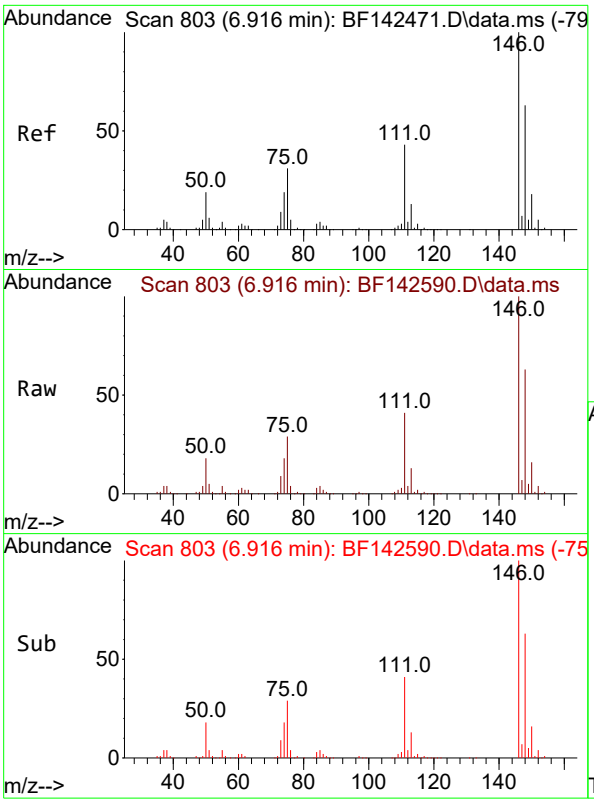


#12
1,3-Dichlorobenzene
Concen: 38.387 ng
RT: 6.839 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:146 Resp: 312463

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.6	75.8
75	28.2	23.8	35.6



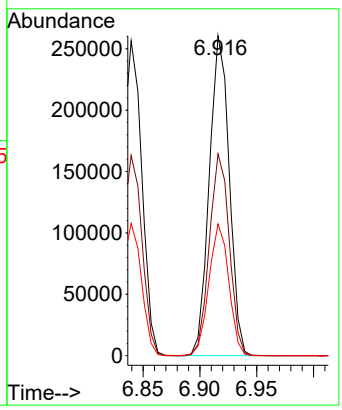


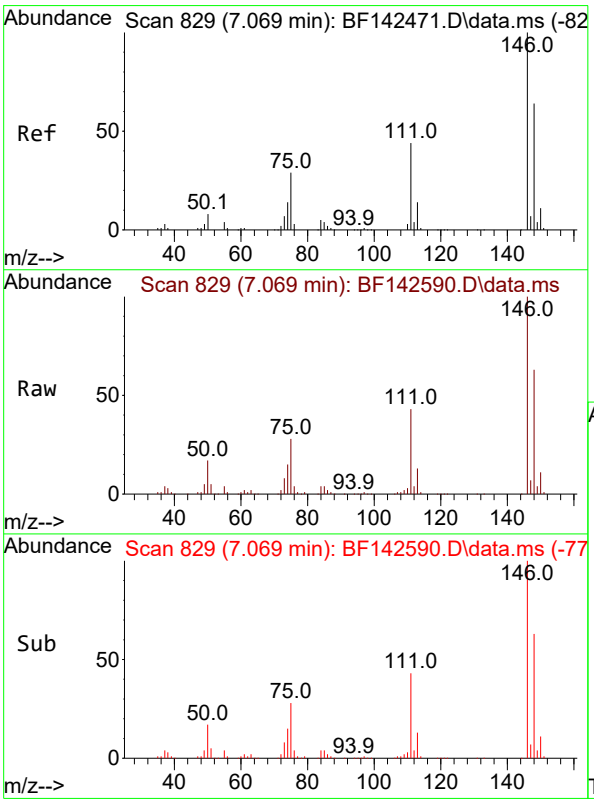
#13
1,4-Dichlorobenzene
Concen: 38.867 ng
RT: 6.916 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 318681

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.4	75.6
111	41.1	34.1	51.1

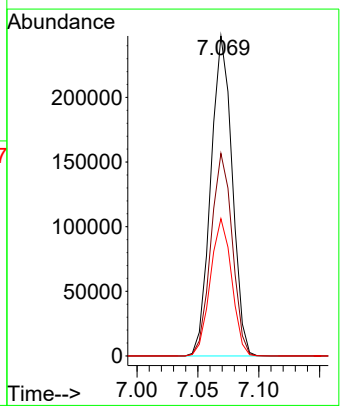


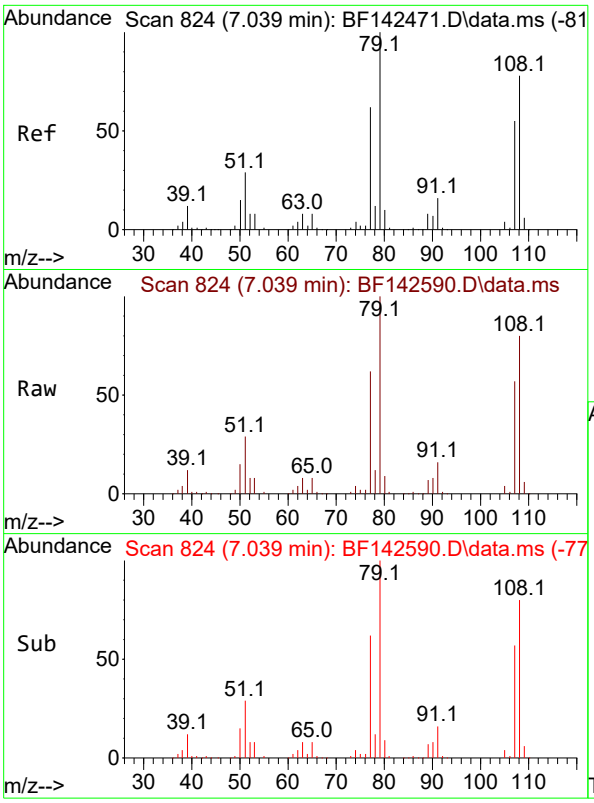


#14
1,2-Dichlorobenzene
Concen: 38.567 ng
RT: 7.069 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:146 Resp: 302583

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.0	76.4
111	42.9	35.0	52.6



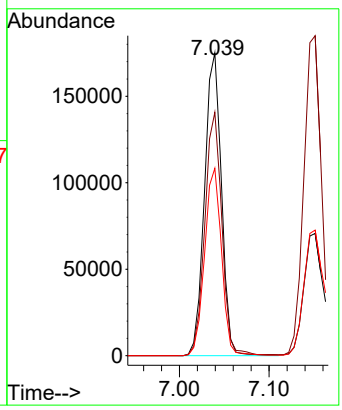


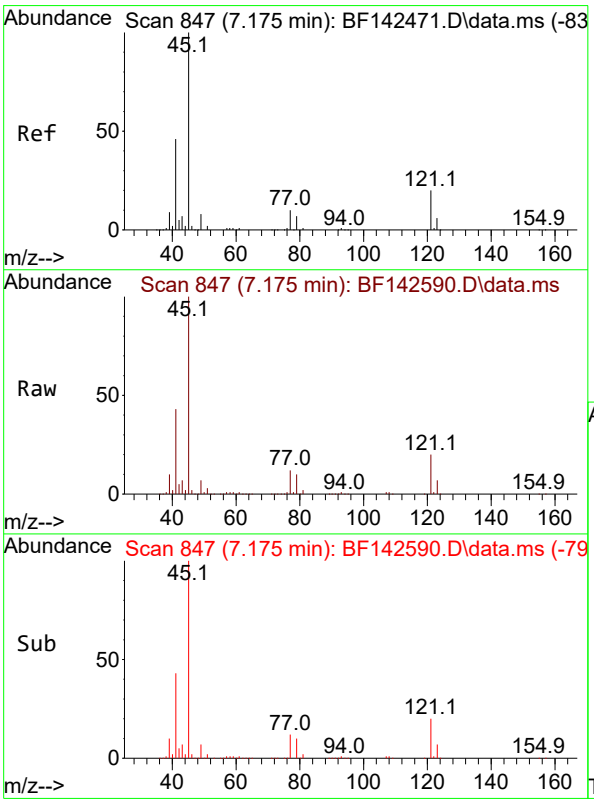
#15
Benzyl Alcohol
Concen: 38.476 ng
RT: 7.039 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 229225

Ion	Ratio	Lower	Upper
79	100		
108	80.3	62.1	93.1
77	61.9	49.5	74.3

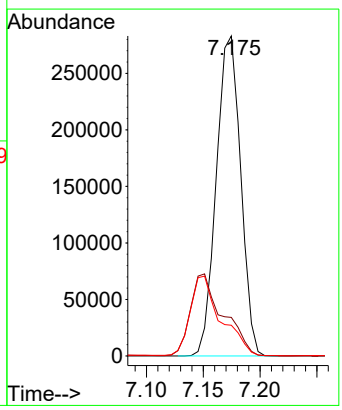


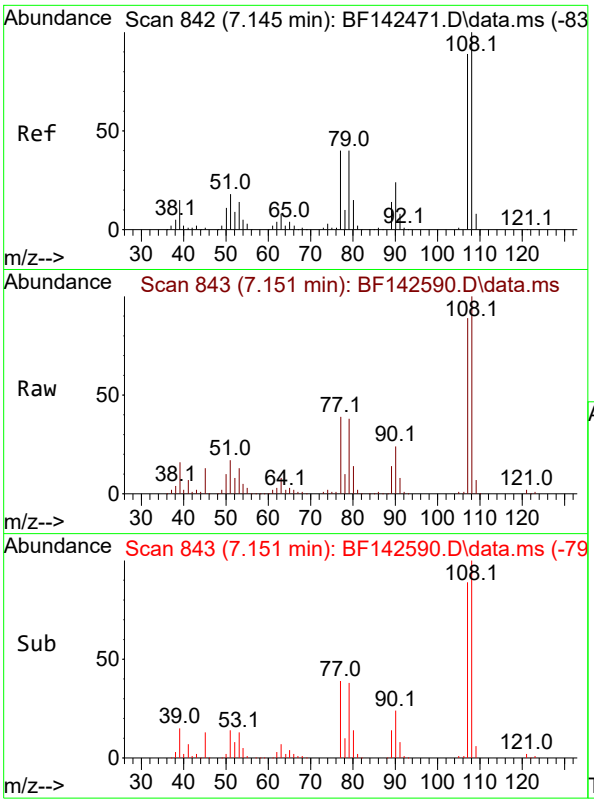


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.521 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion: 45 Resp: 422408

Ion	Ratio	Lower	Upper
45	100		
77	12.0	0.0	32.0
79	9.6	0.0	29.2



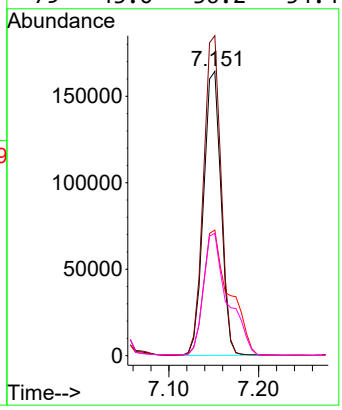


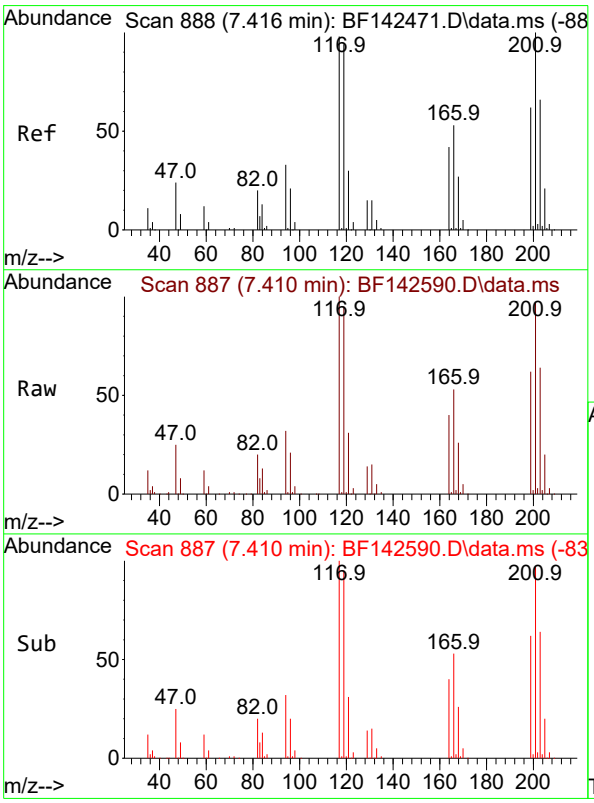
#17
2-Methylphenol
Concen: 38.986 ng
RT: 7.151 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 222036

Ion	Ratio	Lower	Upper
107	100		
108	112.5	90.2	135.2
77	44.2	36.1	54.1
79	43.0	36.2	54.4

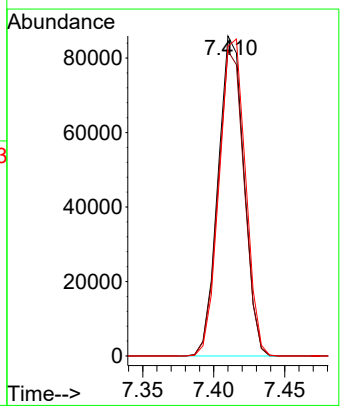


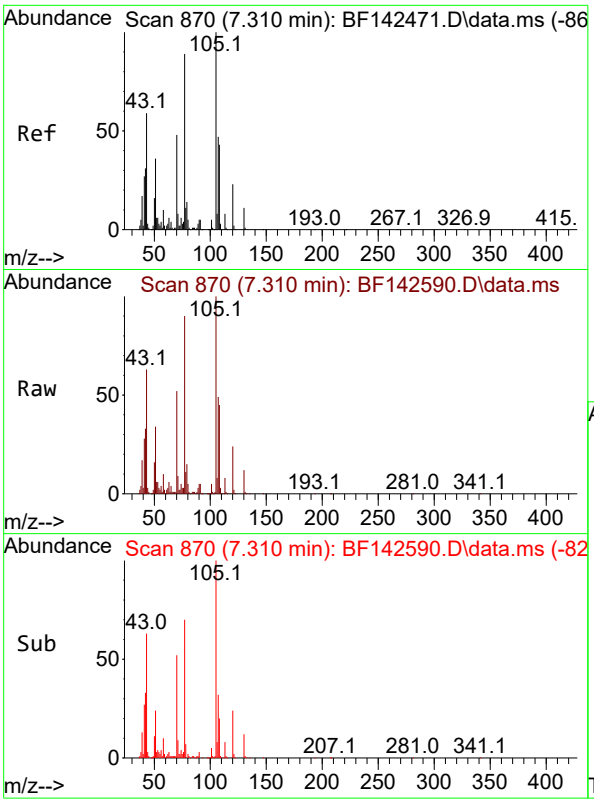


#18
Hexachloroethane
Concen: 38.042 ng
RT: 7.410 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:117 Resp: 108916

Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.6	114.8
201	96.8	81.3	121.9



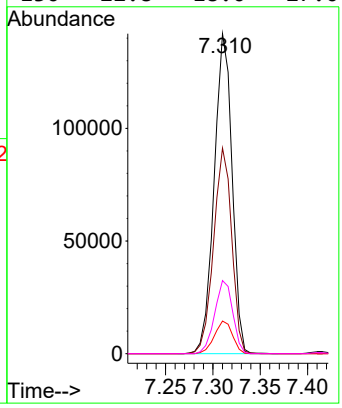


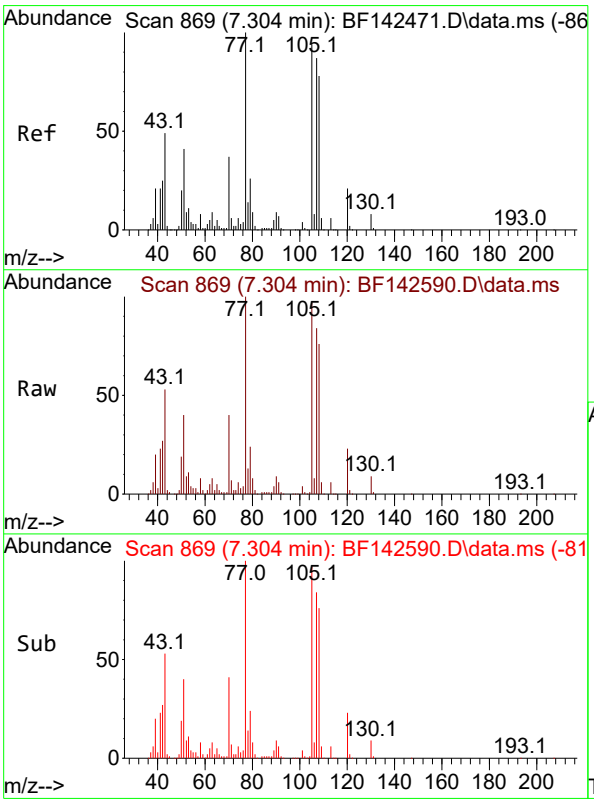
#19
n-Nitroso-di-n-propylamine
Concen: 37.435 ng
RT: 7.310 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 187037

Ion	Ratio	Lower	Upper
70	100		
42	64.3	52.4	78.6
101	10.2	7.8	11.8
130	22.8	18.0	27.0

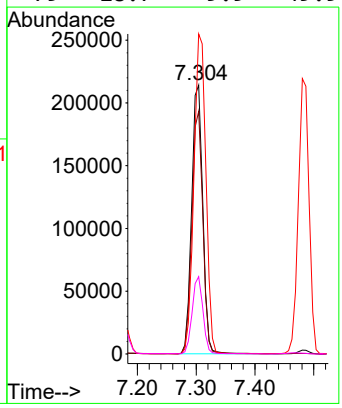


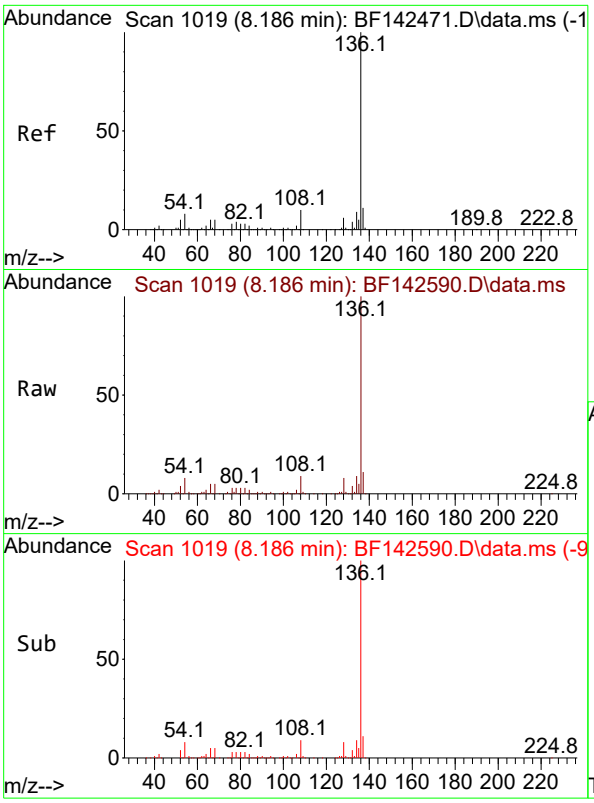


#20
3+4-Methylphenols
Concen: 38.443 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:107 Resp: 280371

Ion	Ratio	Lower	Upper
107	100		
108	90.2	70.4	110.4
77	119.0	95.4	135.4
79	28.7	9.9	49.9



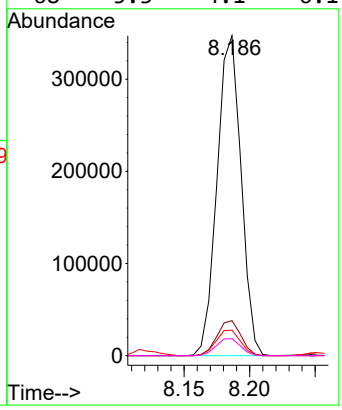


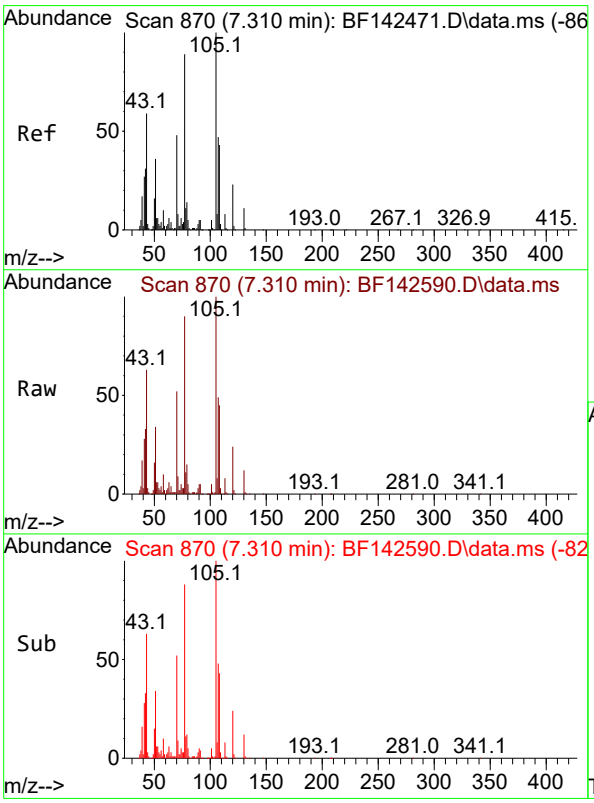
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 441878

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.0	6.6	10.0
68	5.3	4.1	6.1

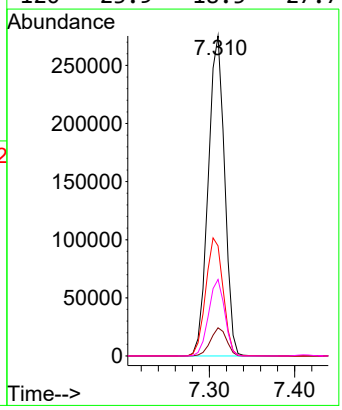


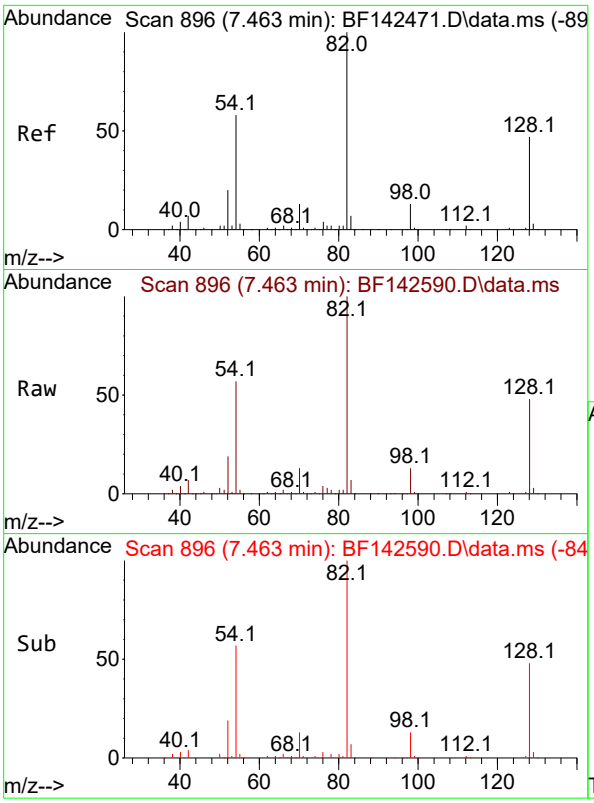


#22
Acetophenone
Concen: 37.647 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:105 Resp: 368253

Ion	Ratio	Lower	Upper
105	100		
71	8.8	6.4	9.6
51	34.4	28.6	42.8
120	23.9	18.5	27.7



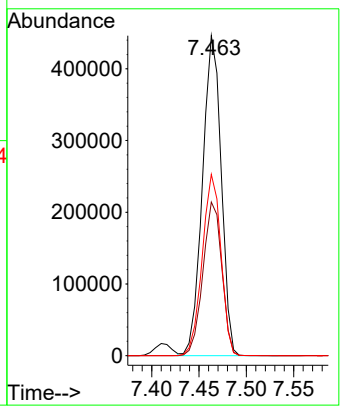


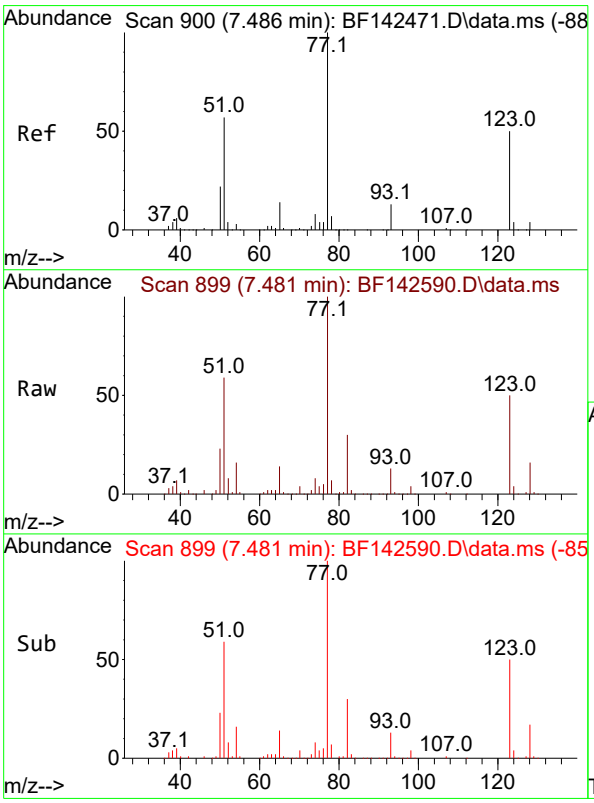
#23
Nitrobenzene-d5
Concen: 75.793 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 614193

Ion	Ratio	Lower	Upper
82	100		
128	48.0	37.4	56.2
54	56.7	46.6	70.0

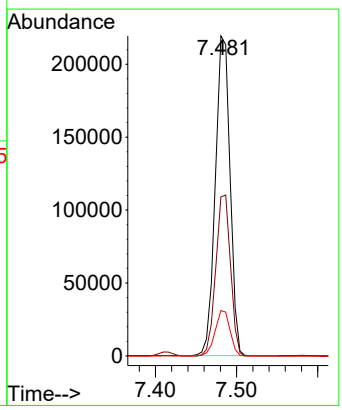


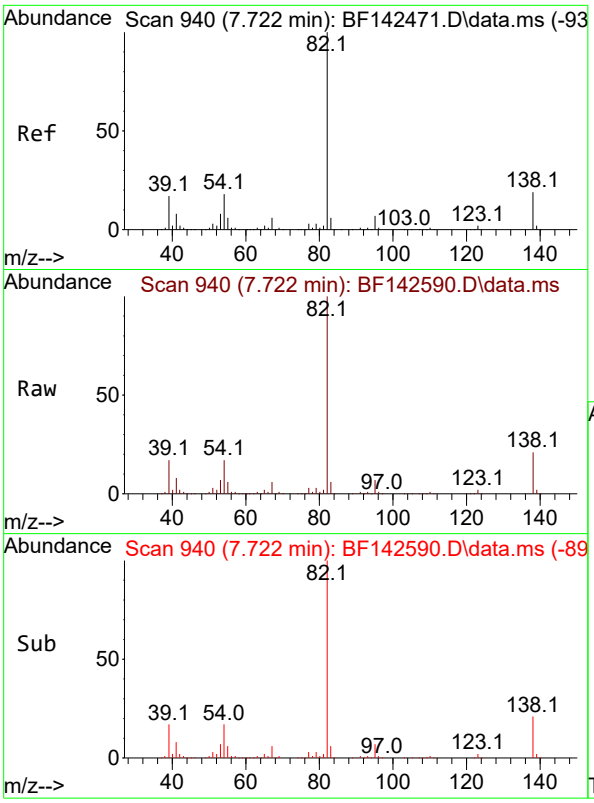


#24
Nitrobenzene
Concen: 37.981 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion: 77 Resp: 277591

Ion	Ratio	Lower	Upper
77	100		
123	49.7	40.6	61.0
65	14.2	11.4	17.2



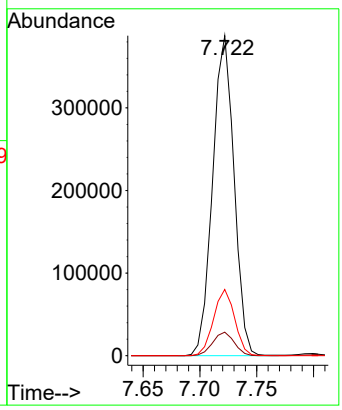


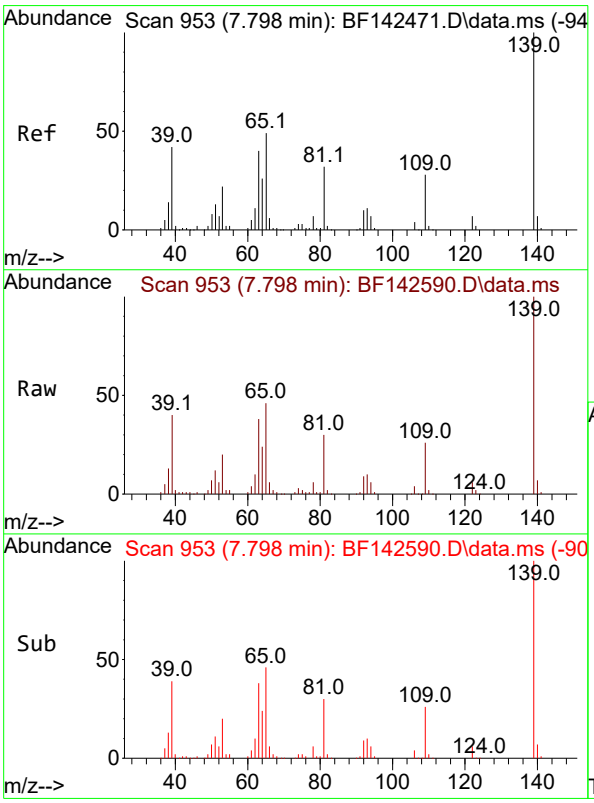
#25
Isophorone
Concen: 37.499 ng
RT: 7.722 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 508065

Ion	Ratio	Lower	Upper
82	100		
95	7.4	6.0	9.0
138	20.7	15.5	23.3

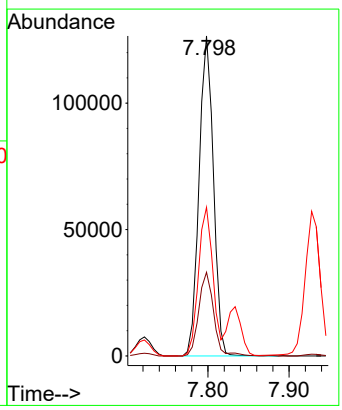


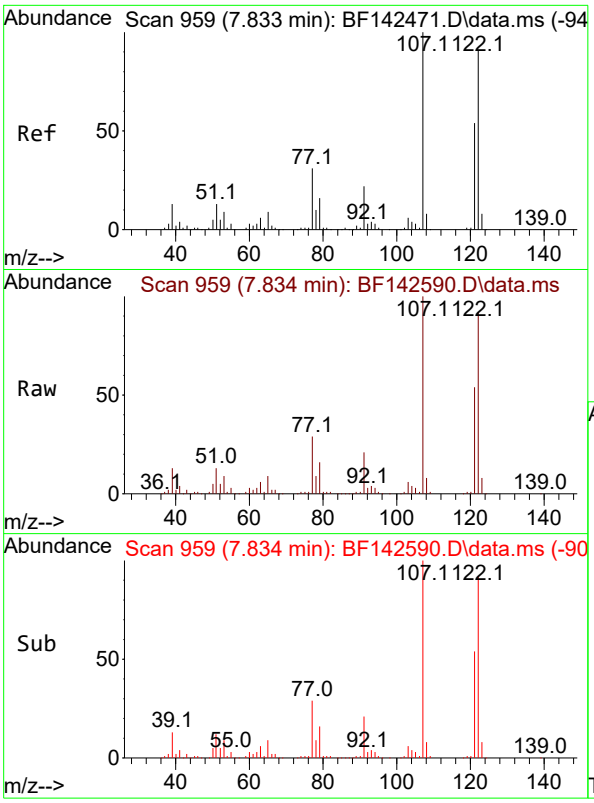


#26
2-Nitrophenol
Concen: 39.842 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:139 Resp: 155595

Ion	Ratio	Lower	Upper
139	100		
109	26.1	22.6	33.8
65	46.5	39.4	59.0



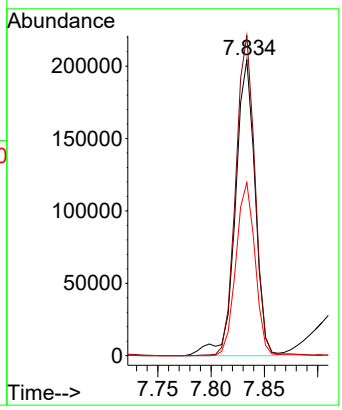


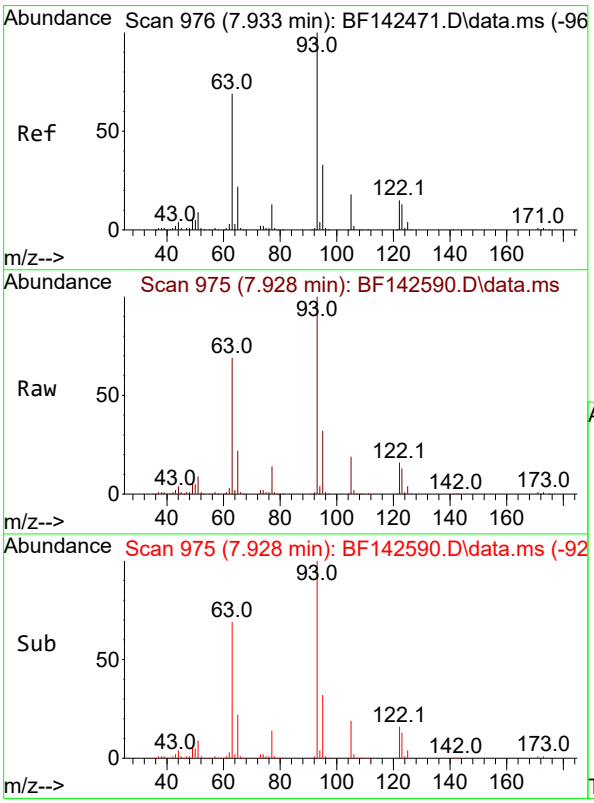
#27
2,4-Dimethylphenol
Concen: 38.389 ng
RT: 7.834 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 264387

Ion	Ratio	Lower	Upper
122	100		
107	108.2	88.1	132.1
121	58.5	47.3	70.9

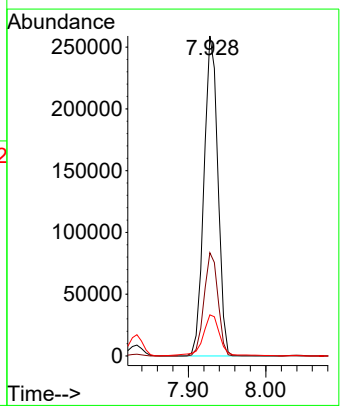


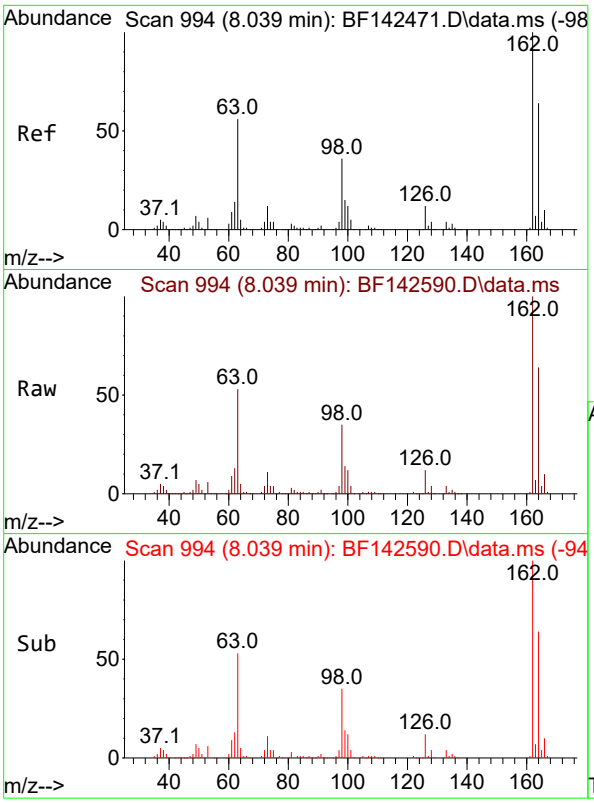


#28
bis(2-Chloroethoxy)methane
Concen: 38.126 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.012 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion: 93 Resp: 322678

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.4	39.6
123	12.8	10.6	15.8



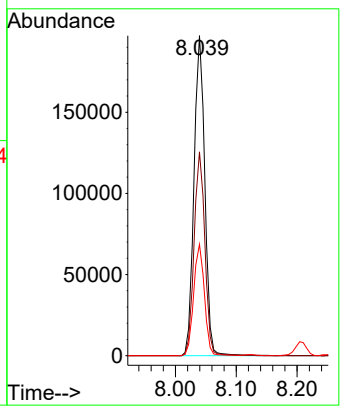


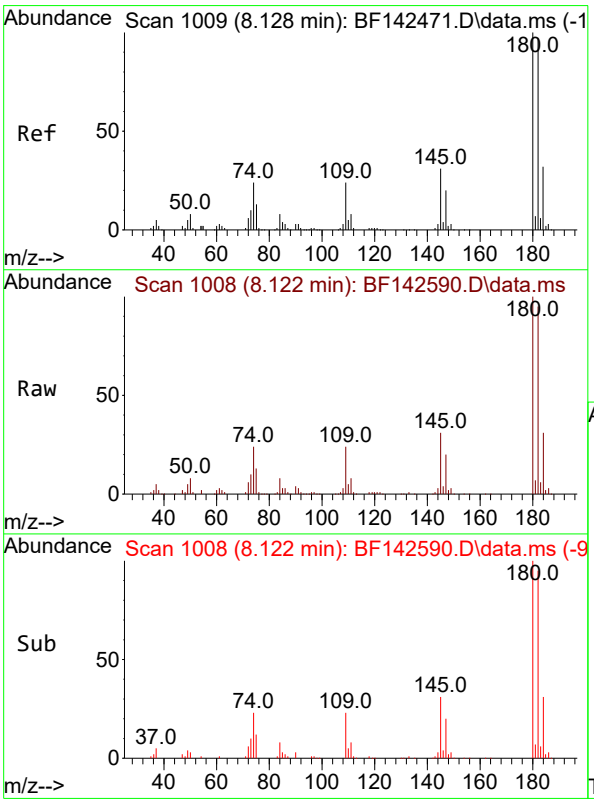
#29
2,4-Dichlorophenol
Concen: 38.802 ng
RT: 8.039 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 243024

Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.7	83.7
98	34.8	15.5	55.5

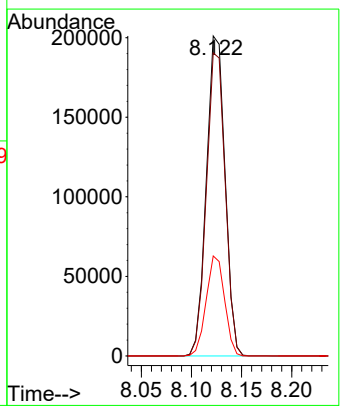


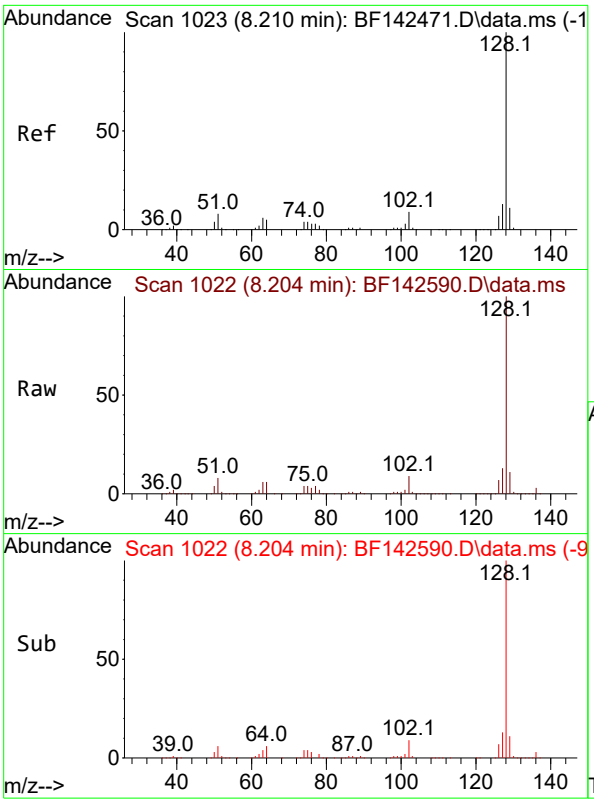


#30
1,2,4-Trichlorobenzene
Concen: 38.470 ng
RT: 8.122 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:180 Resp: 261489

Ion	Ratio	Lower	Upper
180	100		
182	94.7	78.0	117.0
145	31.3	25.0	37.6



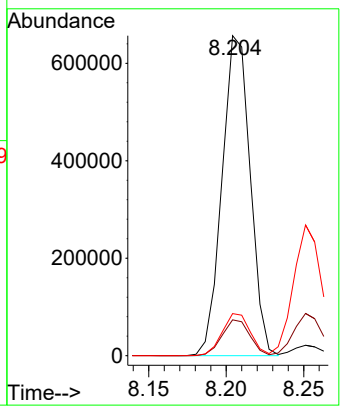


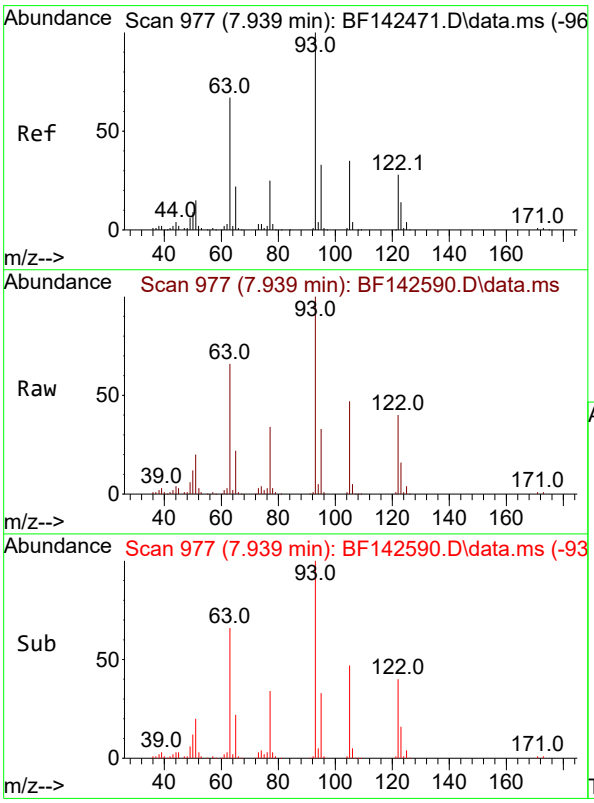
#31
Naphthalene
Concen: 38.160 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 830285

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.1	10.5	15.7

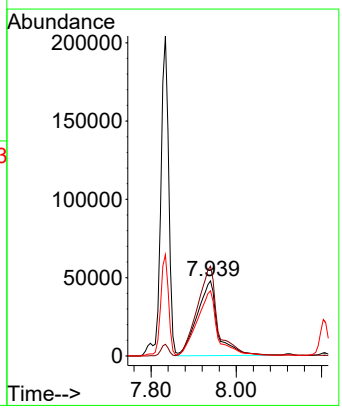


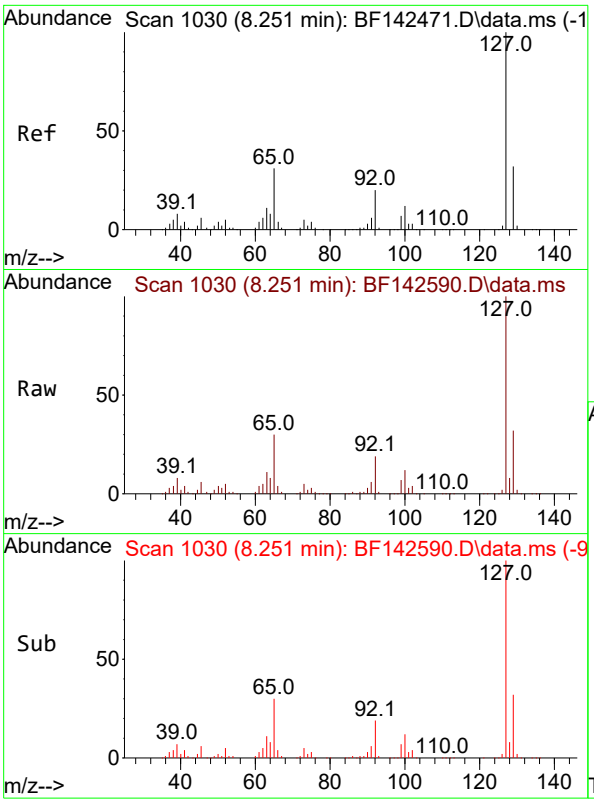


#32
Benzoic acid
Concen: 38.227 ng
RT: 7.939 min Scan# 977
Delta R.T. -0.036 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:122 Resp: 160260

Ion	Ratio	Lower	Upper
122	100		
105	119.5	101.7	141.7
77	86.6	69.5	109.5



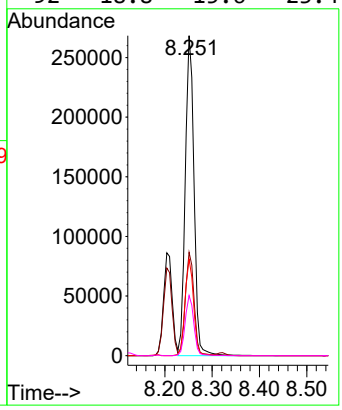


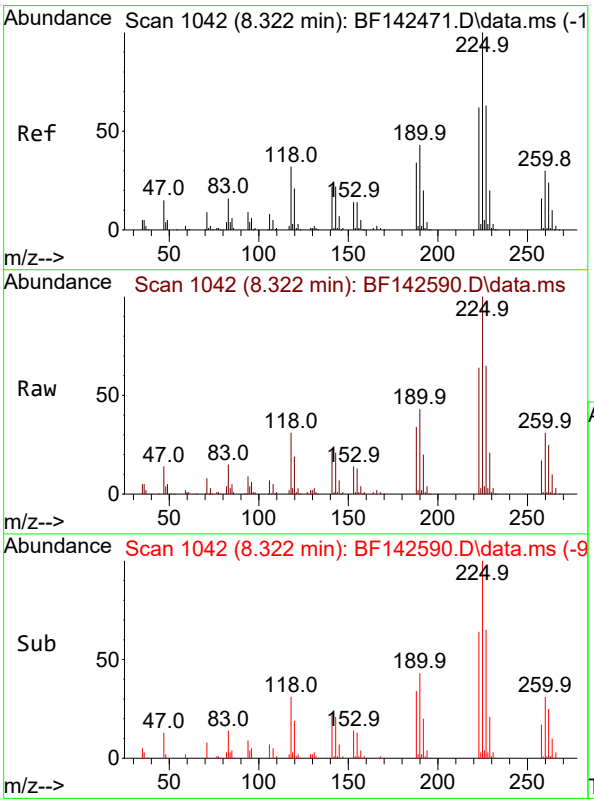
#33
4-Chloroaniline
Concen: 38.998 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 343825

Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.1	39.1
65	30.2	24.9	37.3
92	18.8	15.6	23.4

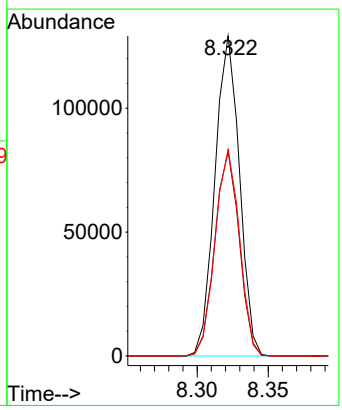


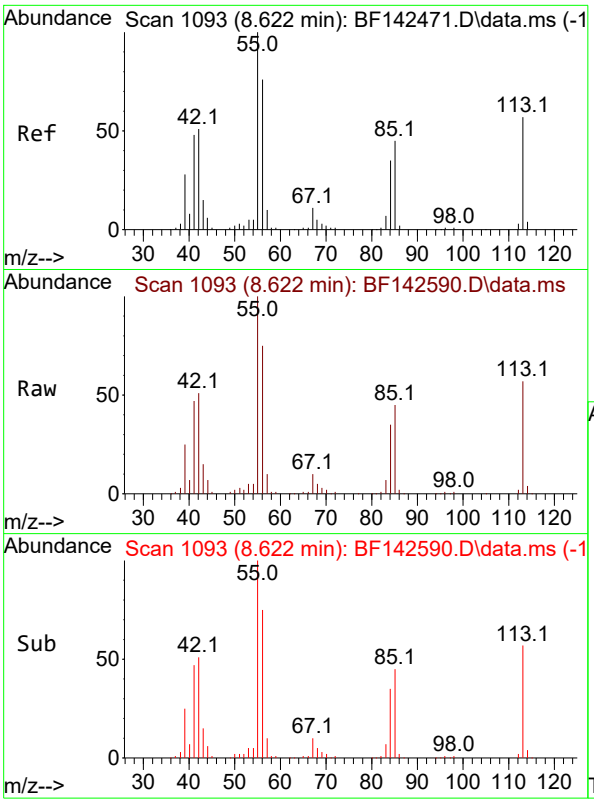


#34
Hexachlorobutadiene
Concen: 36.459 ng
RT: 8.322 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:225 Resp: 154741

Ion	Ratio	Lower	Upper
225	100		
223	63.8	49.7	74.5
227	64.6	50.3	75.5



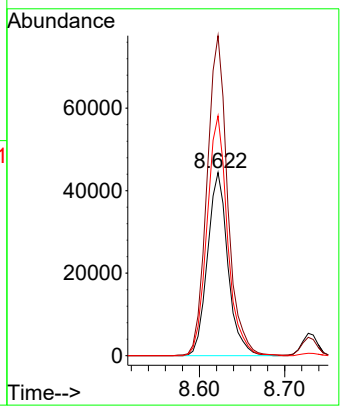


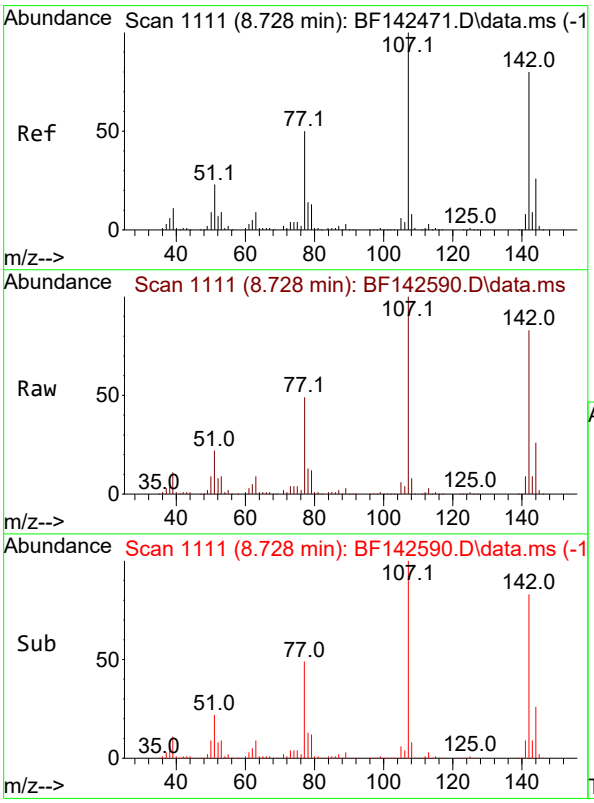
#35
Caprolactam
Concen: 41.974 ng
RT: 8.622 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 73834

Ion	Ratio	Lower	Upper
113	100		
55	174.6	154.7	194.7
56	130.9	113.2	153.2

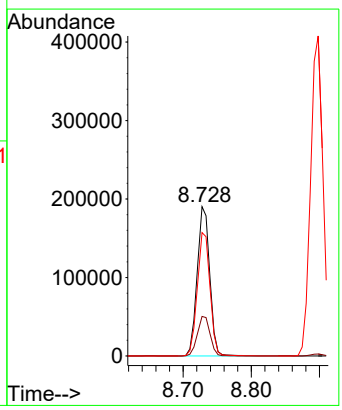


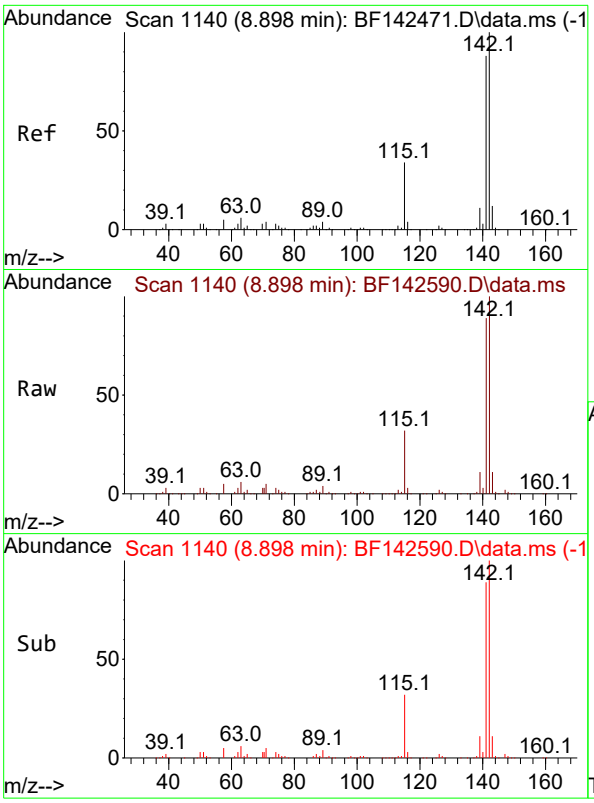


#36
4-Chloro-3-methylphenol
Concen: 37.891 ng
RT: 8.728 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:107 Resp: 243211

Ion	Ratio	Lower	Upper
107	100		
144	26.4	20.9	31.3
142	82.6	64.2	96.2



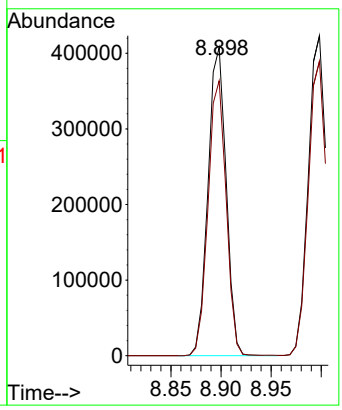


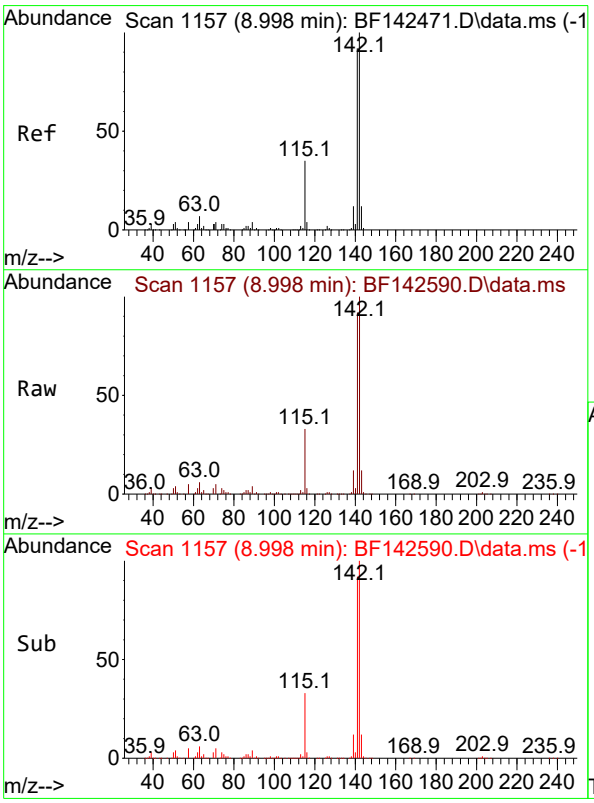
#37
2-Methylnaphthalene
Concen: 37.513 ng
RT: 8.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 513490

Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.7	106.1

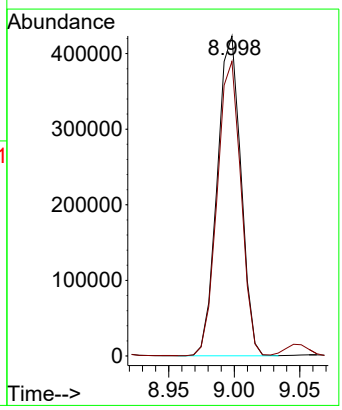


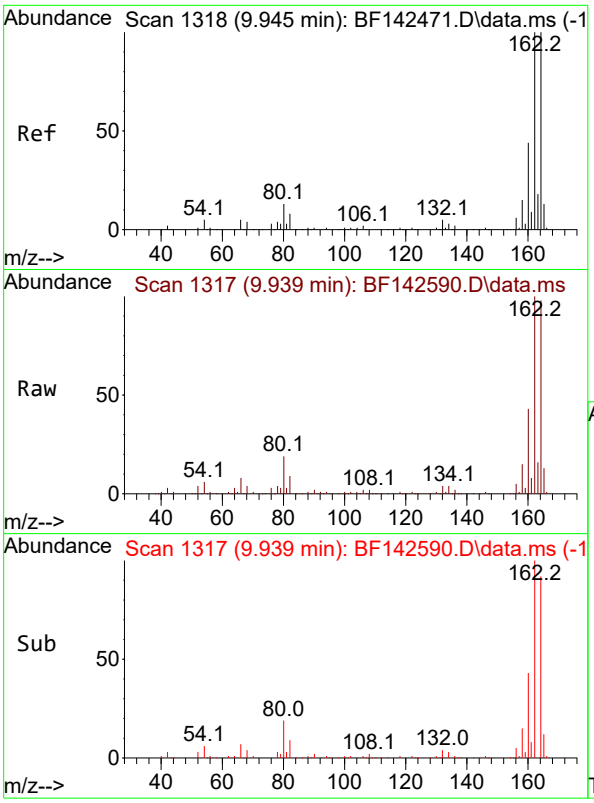


#38
1-Methylnaphthalene
Concen: 37.476 ng
RT: 8.998 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:142 Resp: 530617

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.4	110.2



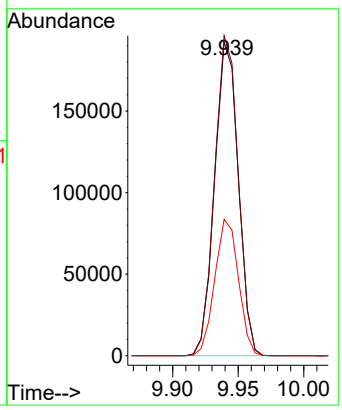


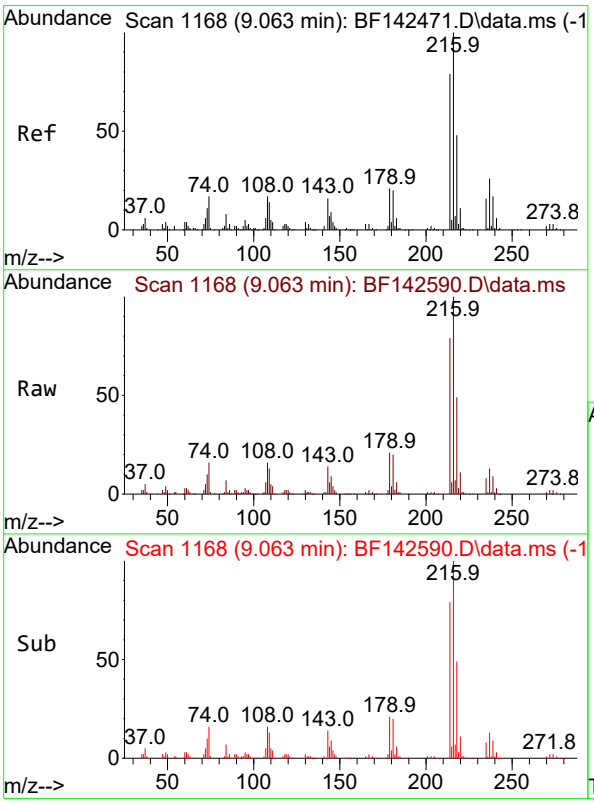
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 241388

Ion	Ratio	Lower	Upper
164	100		
162	102.0	80.2	120.4
160	43.4	35.6	53.4

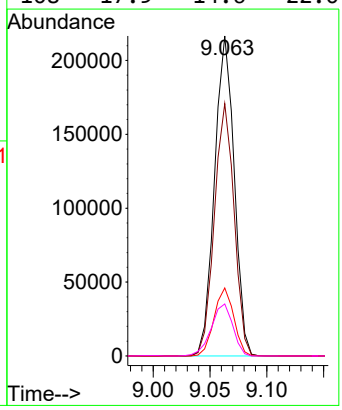


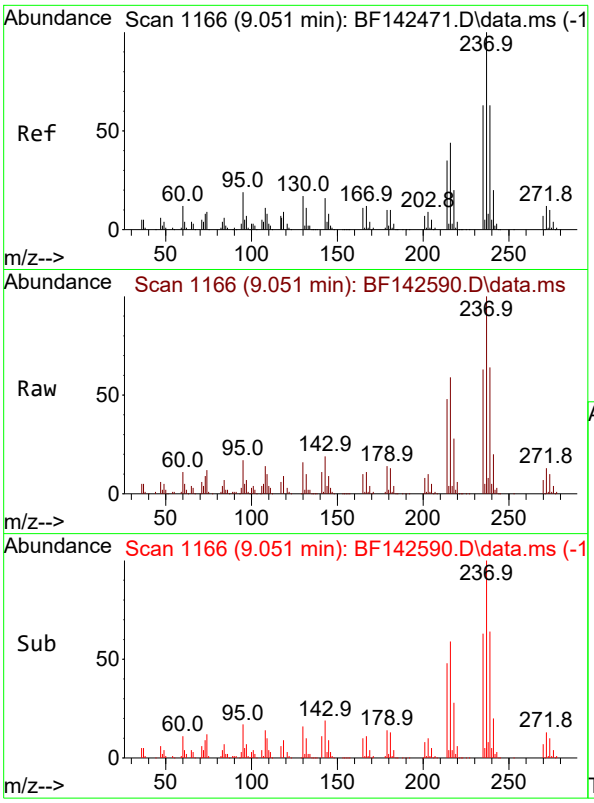


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.735 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:216 Resp: 261475

Ion	Ratio	Lower	Upper
216	100		
214	78.8	62.9	94.3
179	21.2	16.9	25.3
108	17.9	14.6	22.0



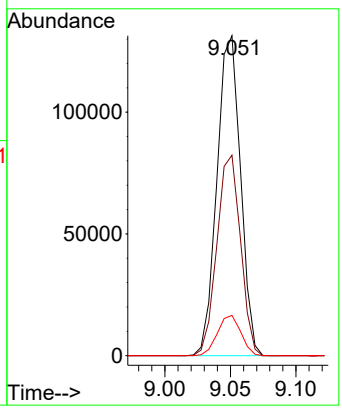


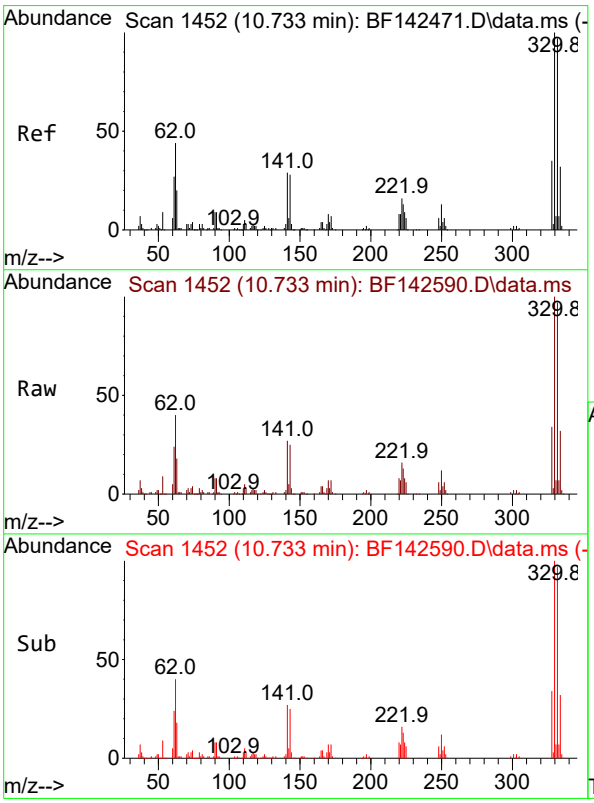
#41
Hexachlorocyclopentadiene
Concen: 35.099 ng
RT: 9.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 164068

Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.3	83.3
272	12.6	0.0	32.4

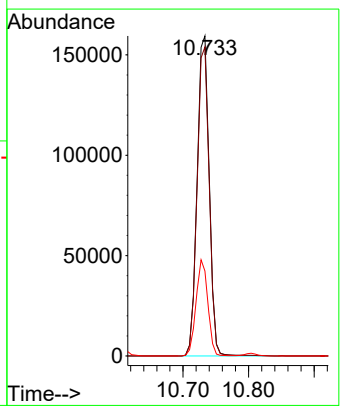


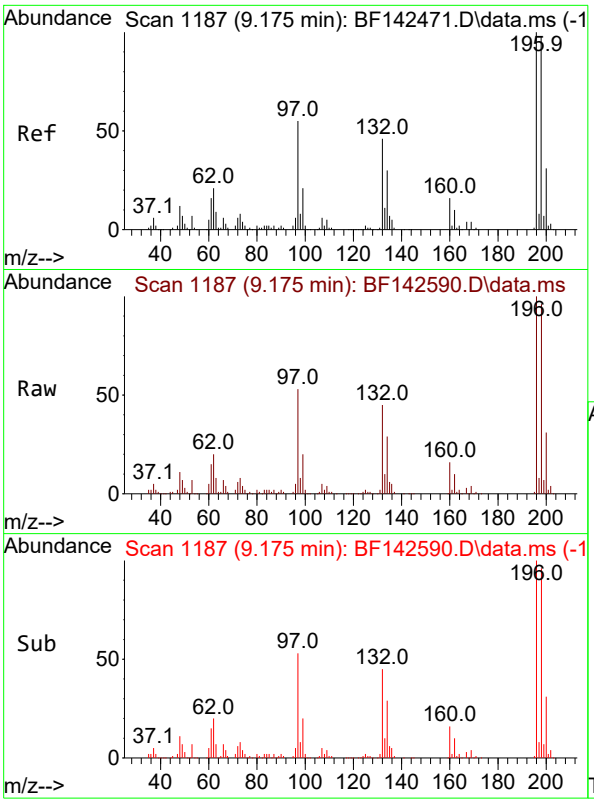


#42
2,4,6-Tribromophenol
Concen: 76.490 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:330 Resp: 204924

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.6	116.4
141	29.4	24.6	36.8



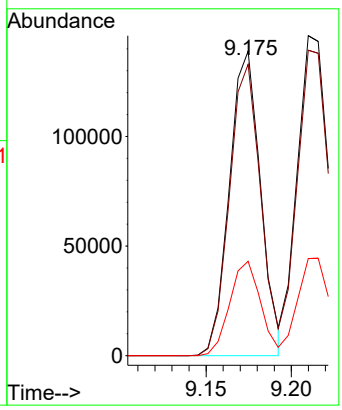


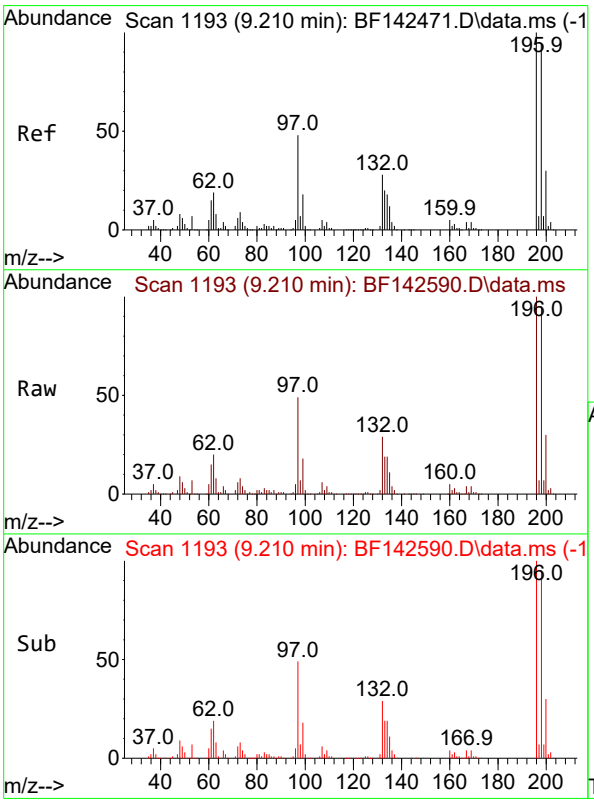
#43
2,4,6-Trichlorophenol
Concen: 37.821 ng
RT: 9.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 176717

Ion	Ratio	Lower	Upper
196	100		
198	95.7	78.8	118.2
200	31.0	24.9	37.3

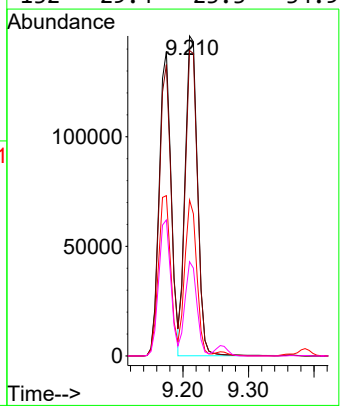


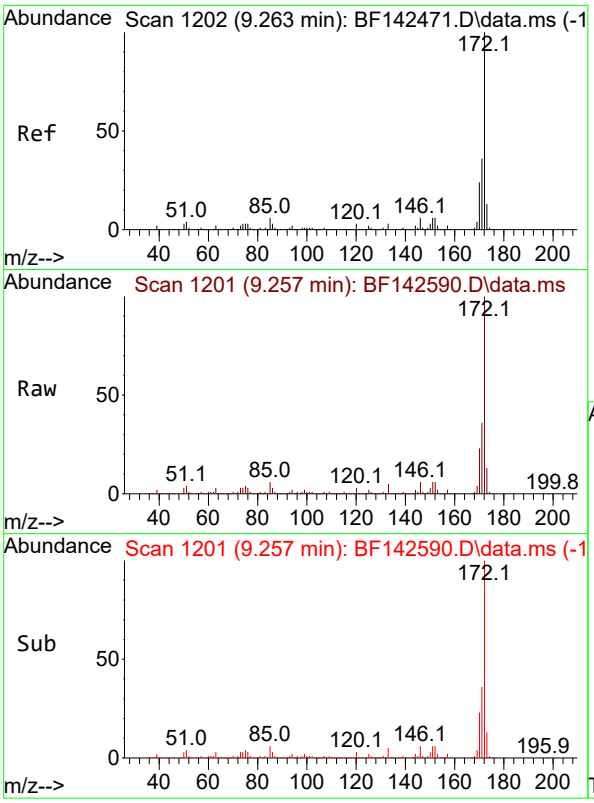


#44
2,4,5-Trichlorophenol
Concen: 38.794 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:196 Resp: 191168

Ion	Ratio	Lower	Upper
196	100		
198	95.4	75.5	113.3
97	48.7	39.3	58.9
132	29.4	23.3	34.9



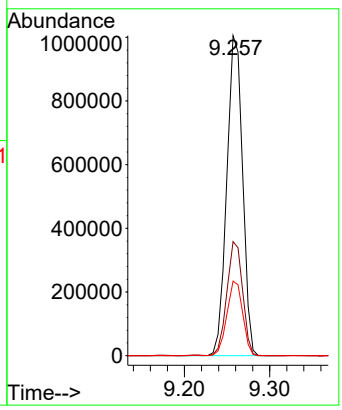


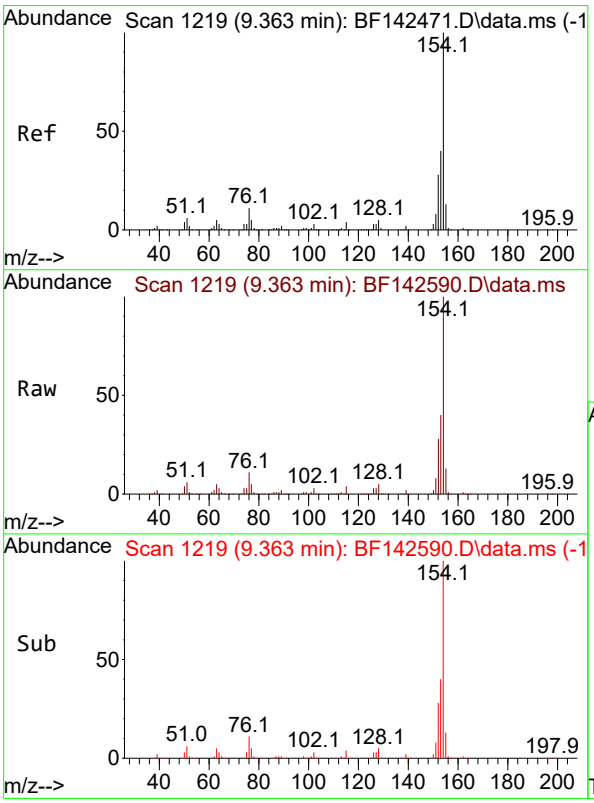
#45
2-Fluorobiphenyl
Concen: 71.981 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 1294863

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	42.8
170	23.3	18.9	28.3

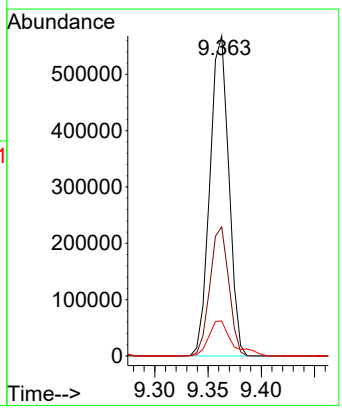


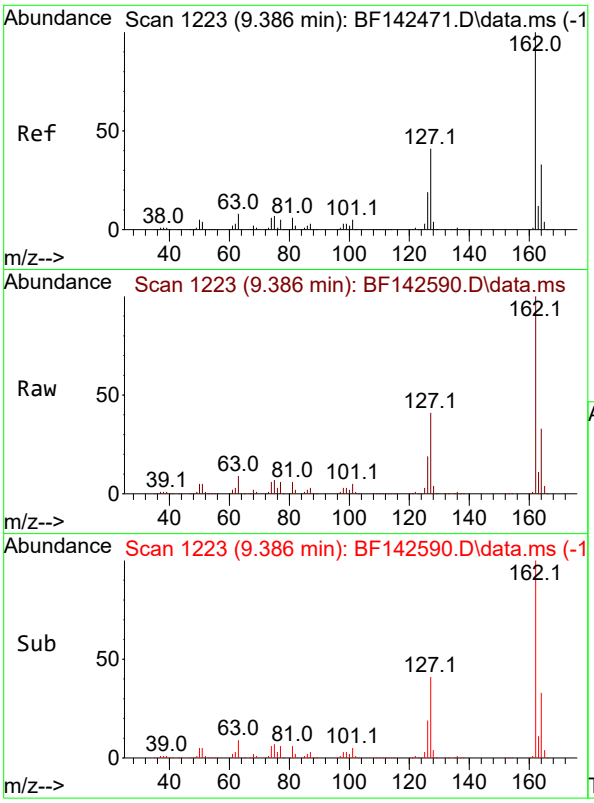


#46
1,1'-Biphenyl
Concen: 37.504 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:154 Resp: 702351

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.4	60.4
76	10.9	0.0	30.8



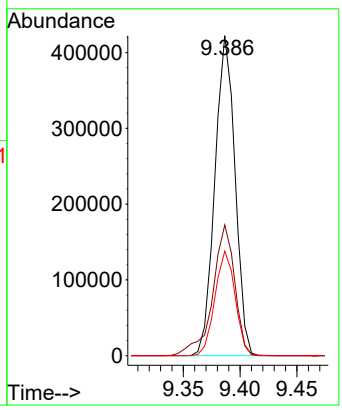


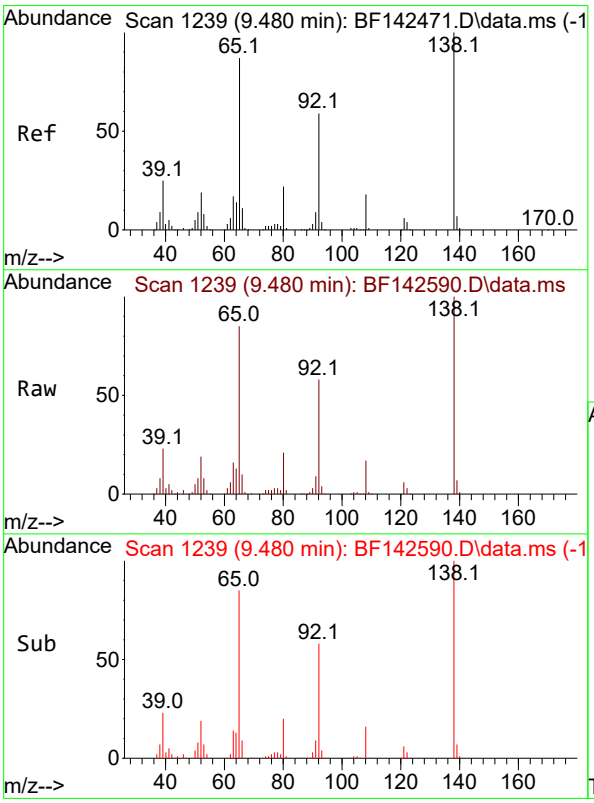
#47
2-Chloronaphthalene
Concen: 37.693 ng
RT: 9.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 521535

Ion	Ratio	Lower	Upper
162	100		
127	40.8	33.5	50.3
164	32.6	26.1	39.1

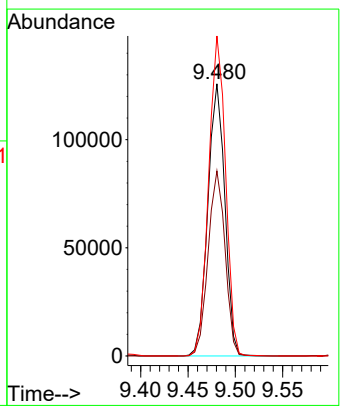


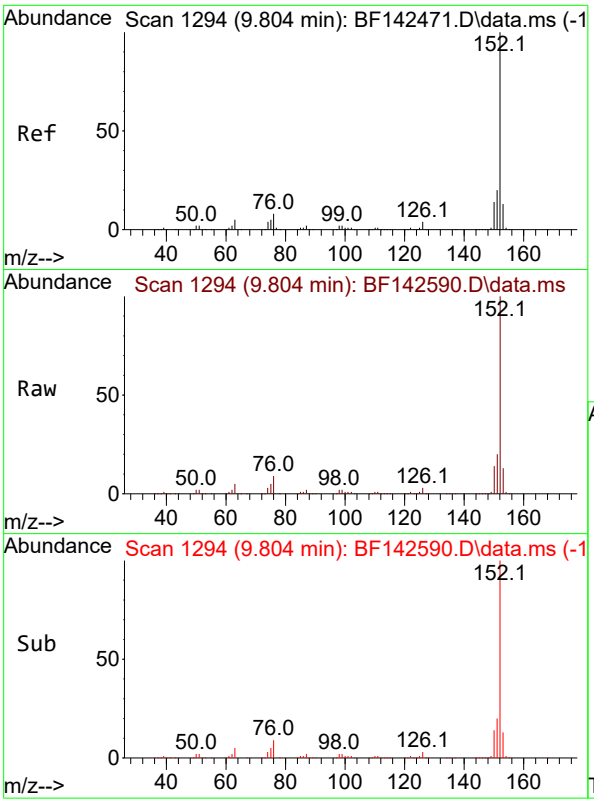


#48
2-Nitroaniline
Concen: 39.199 ng
RT: 9.480 min Scan# 1239
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion: 65 Resp: 156771

Ion	Ratio	Lower	Upper
65	100		
92	68.0	54.4	81.6
138	117.6	91.4	137.2



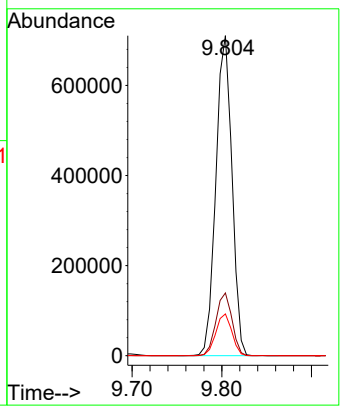


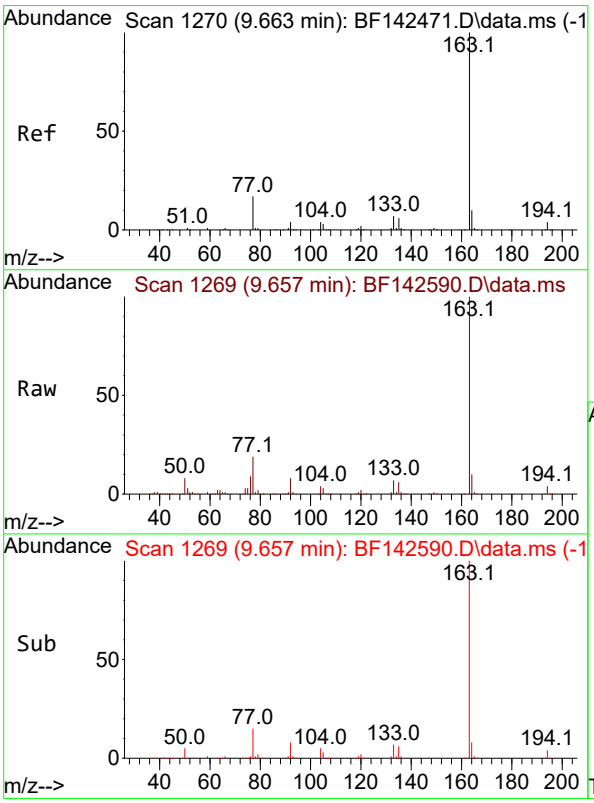
#49
Acenaphthylene
Concen: 37.812 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 883436

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	13.0	10.6	15.8

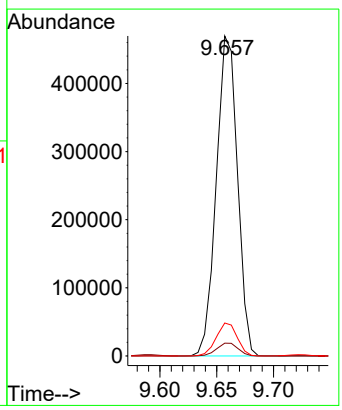


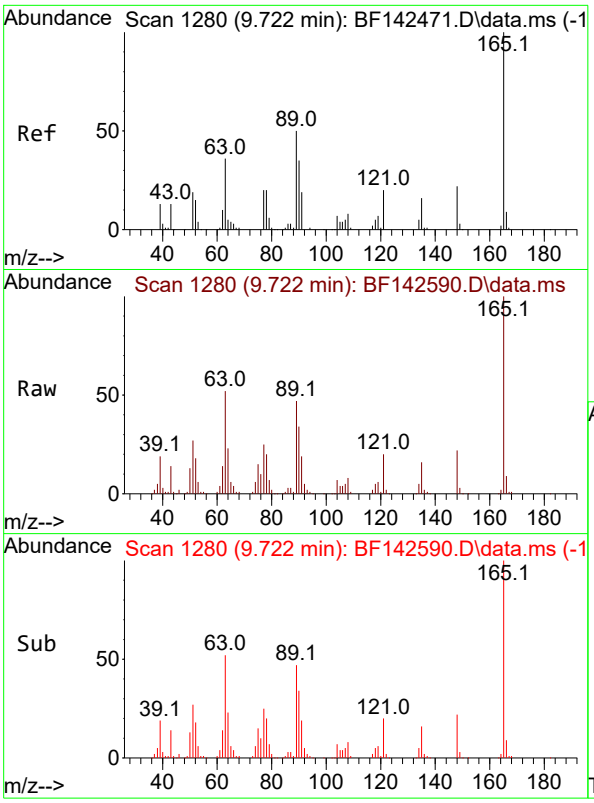


#50
Dimethylphthalate
Concen: 38.278 ng
RT: 9.657 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:163 Resp: 609673

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.3	8.2	12.4



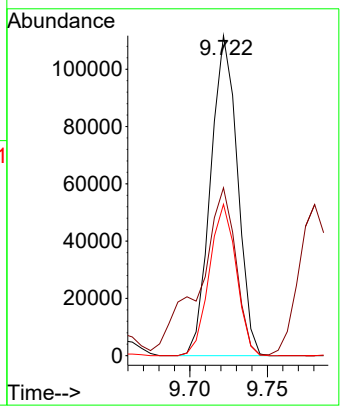


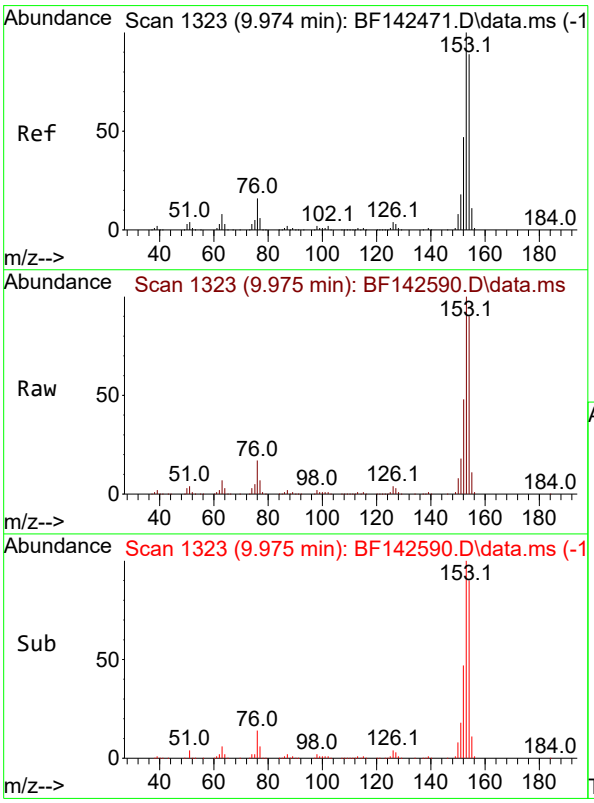
#51
2,6-Dinitrotoluene
Concen: 39.122 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 134489

Ion	Ratio	Lower	Upper
165	100		
63	52.4	42.9	64.3
89	47.3	40.2	60.4

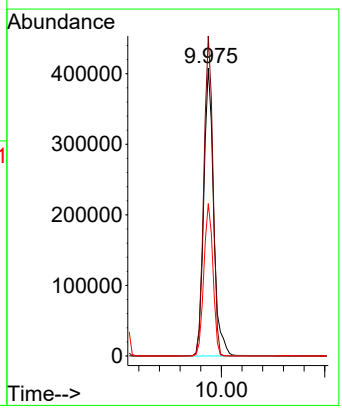


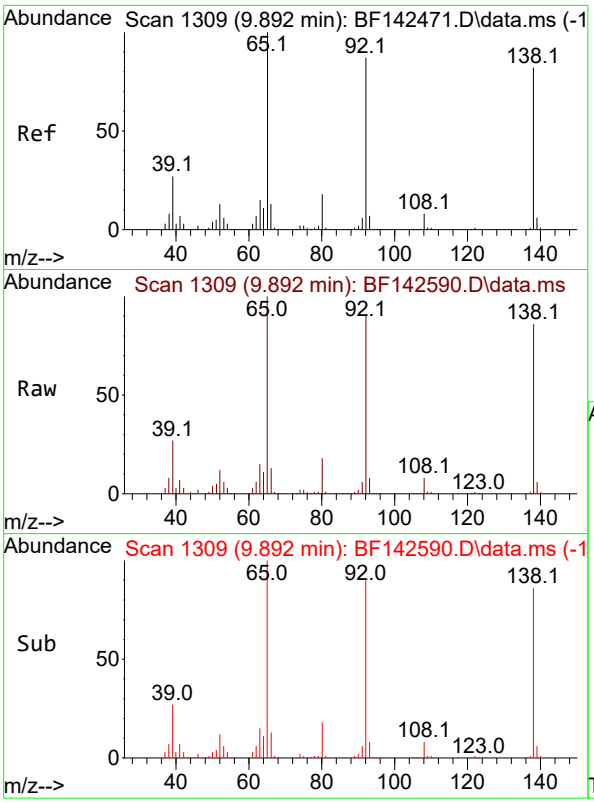


#52
Acenaphthene
Concen: 37.817 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.005 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:154 Resp: 539520

Ion	Ratio	Lower	Upper
154	100		
153	111.1	90.0	135.0
152	52.9	42.6	64.0



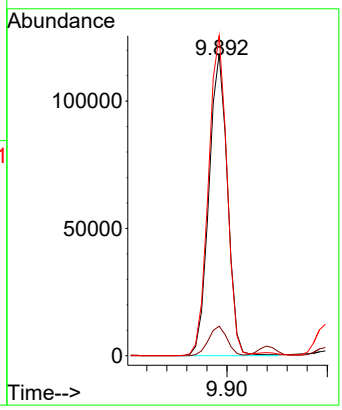


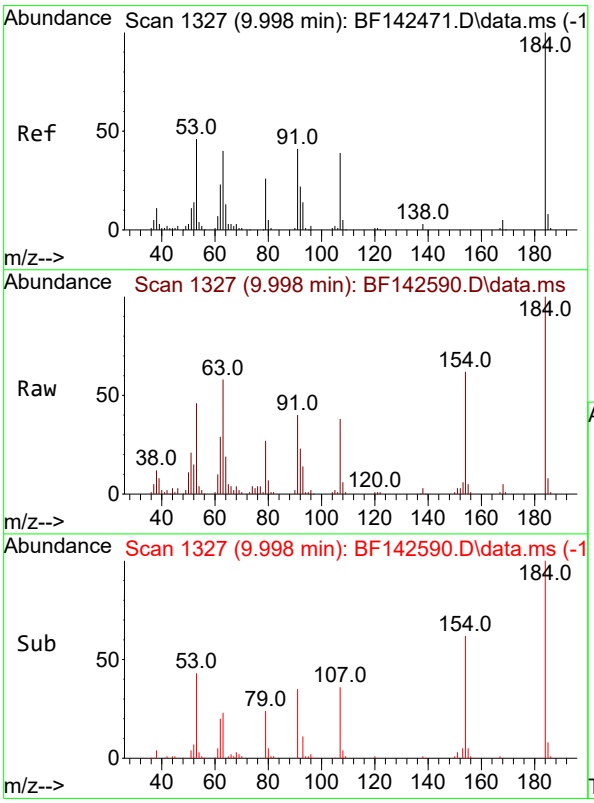
#53
3-Nitroaniline
Concen: 40.472 ng
RT: 9.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 151962

Ion	Ratio	Lower	Upper
138	100		
108	9.7	8.1	12.1
92	106.0	85.2	127.8

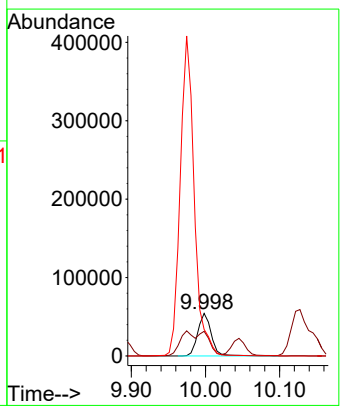


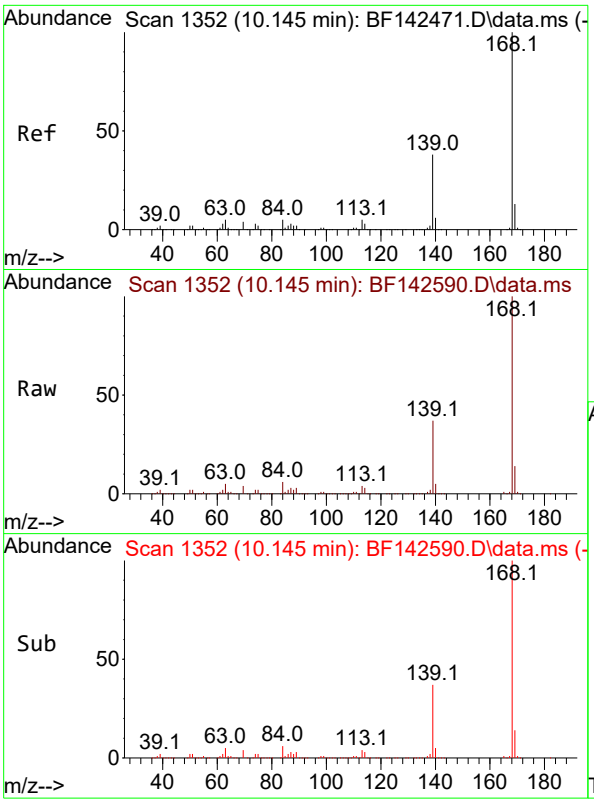


#54
2,4-Dinitrophenol
Concen: 38.796 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:184 Resp: 68903

Ion	Ratio	Lower	Upper
184	100		
63	57.9	46.3	69.5
154	62.3	56.8	85.2



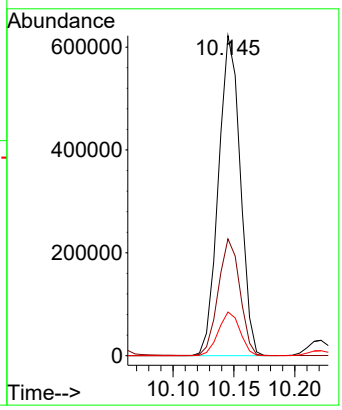


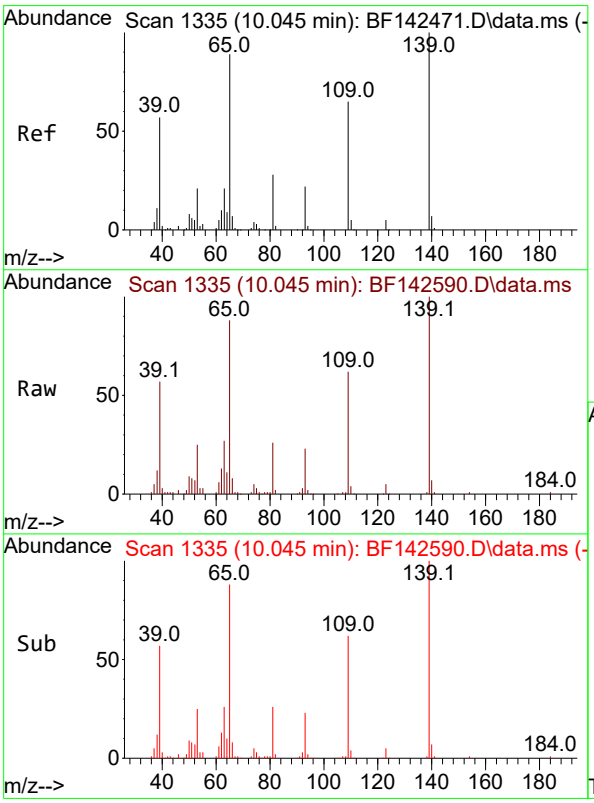
#55
Dibenzofuran
Concen: 37.777 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 775550

Ion	Ratio	Lower	Upper
168	100		
139	36.5	30.2	45.2
169	13.7	10.7	16.1

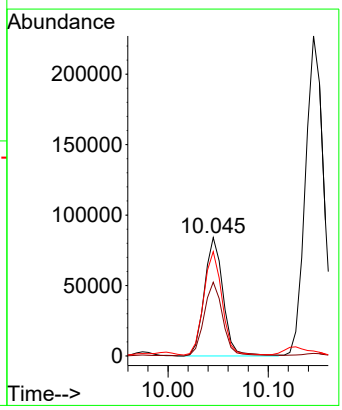


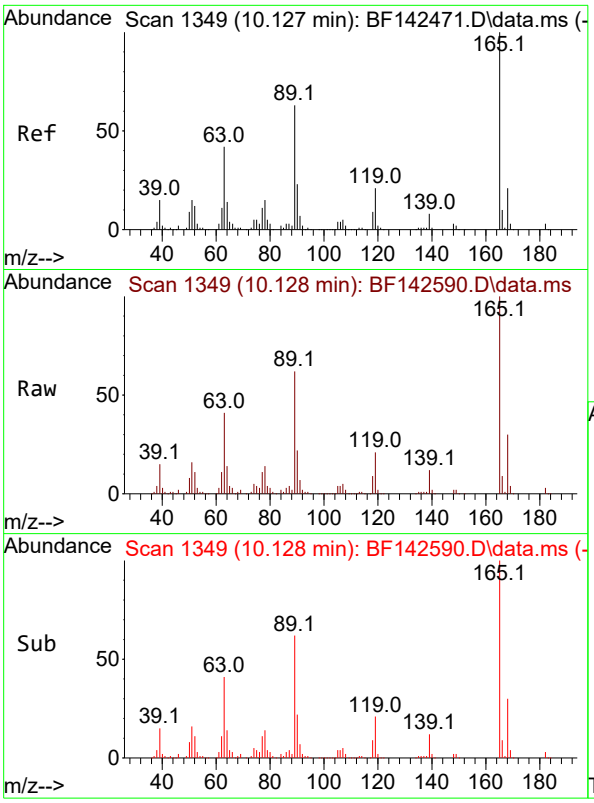


#56
4-Nitrophenol
Concen: 39.507 ng
RT: 10.045 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:139 Resp: 109452

Ion	Ratio	Lower	Upper
139	100		
109	62.3	45.1	85.1
65	88.1	69.7	109.7



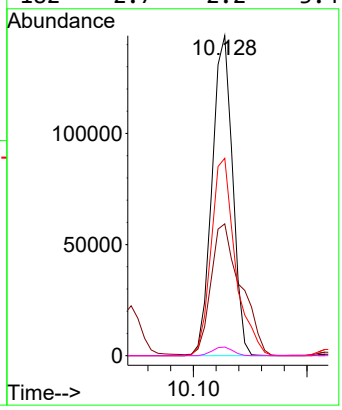


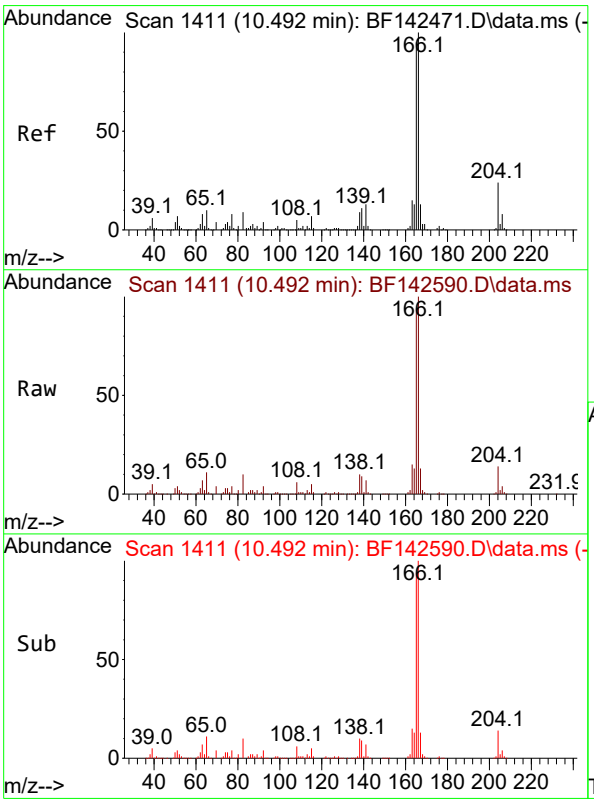
#57
2,4-Dinitrotoluene
Concen: 40.236 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 180640

Ion	Ratio	Lower	Upper
165	100		
63	41.2	33.6	50.4
89	61.7	50.2	75.4
182	2.7	2.2	3.4

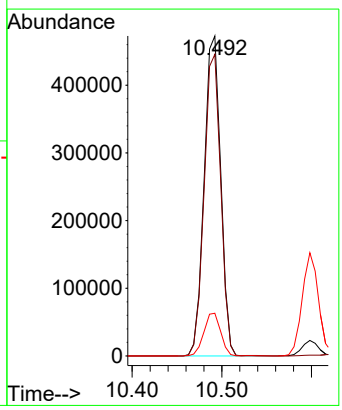


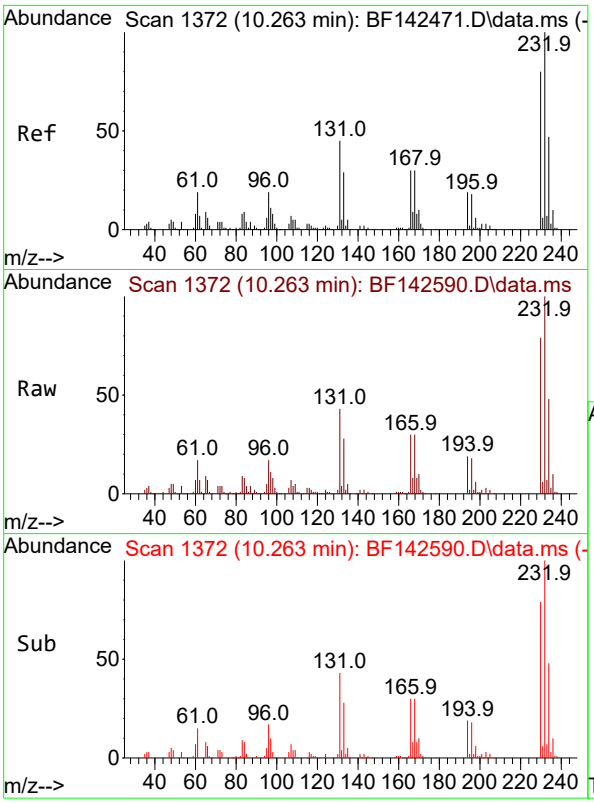


#58
Fluorene
Concen: 38.259 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:166 Resp: 606801

Ion	Ratio	Lower	Upper
166	100		
165	94.2	75.8	113.8
167	13.3	10.6	16.0



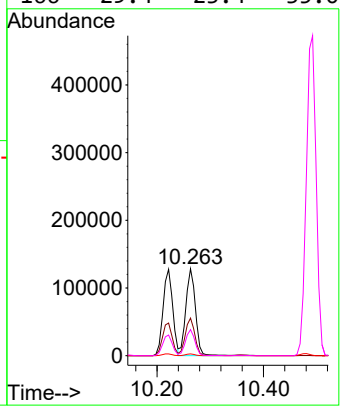


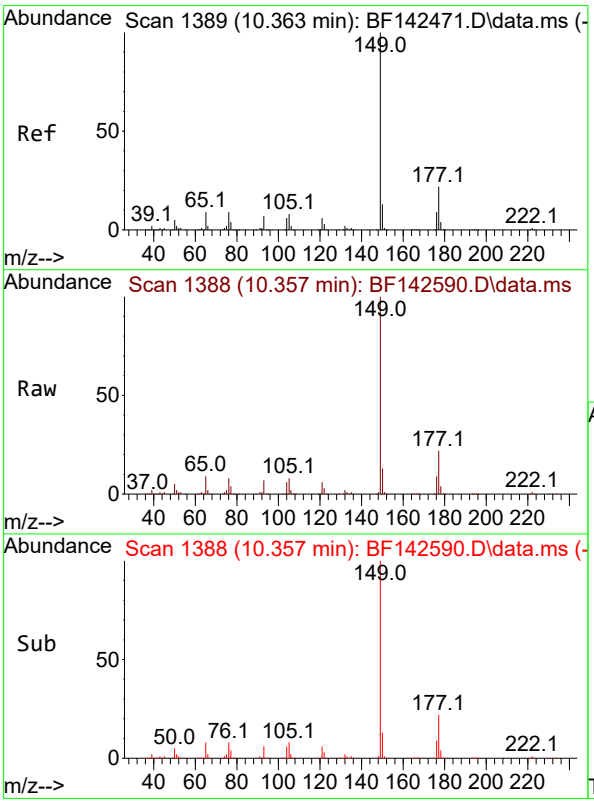
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.192 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 161231

Ion	Ratio	Lower	Upper
232	100		
131	43.1	35.2	52.8
130	2.0	1.7	2.5
166	29.4	23.4	35.0

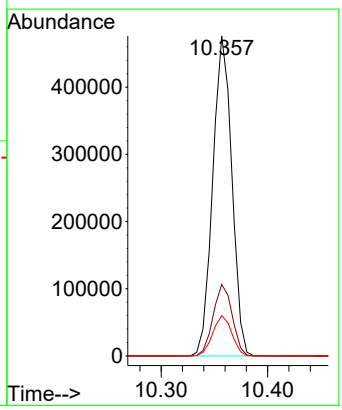


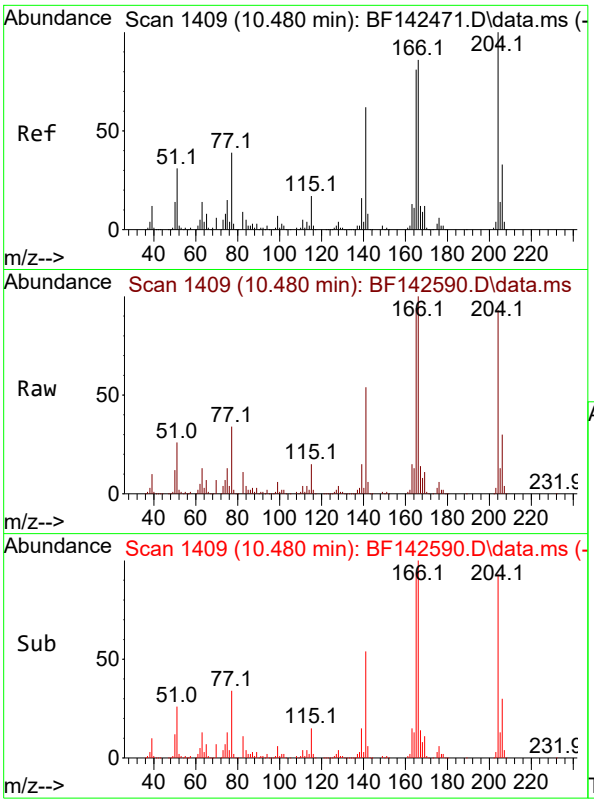


#60
Diethylphthalate
Concen: 38.041 ng
RT: 10.357 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:149 Resp: 591746

Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.6	26.4
150	12.6	10.1	15.1



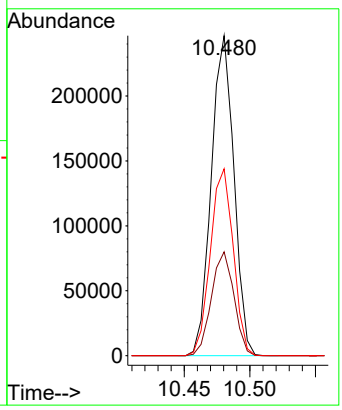


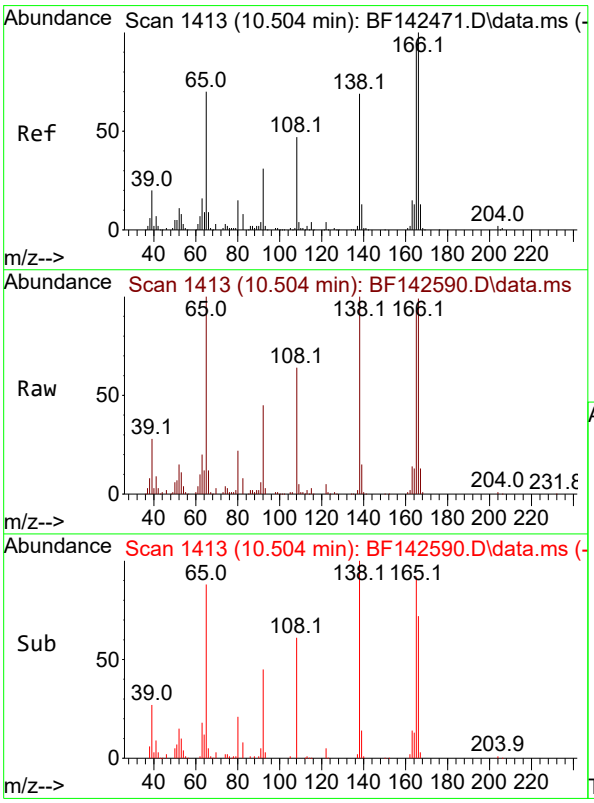
#61
4-Chlorophenyl-phenylether
Concen: 37.917 ng
RT: 10.480 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 295424

Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.3	39.5
141	58.4	49.5	74.3

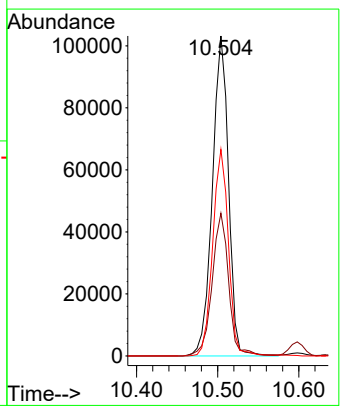


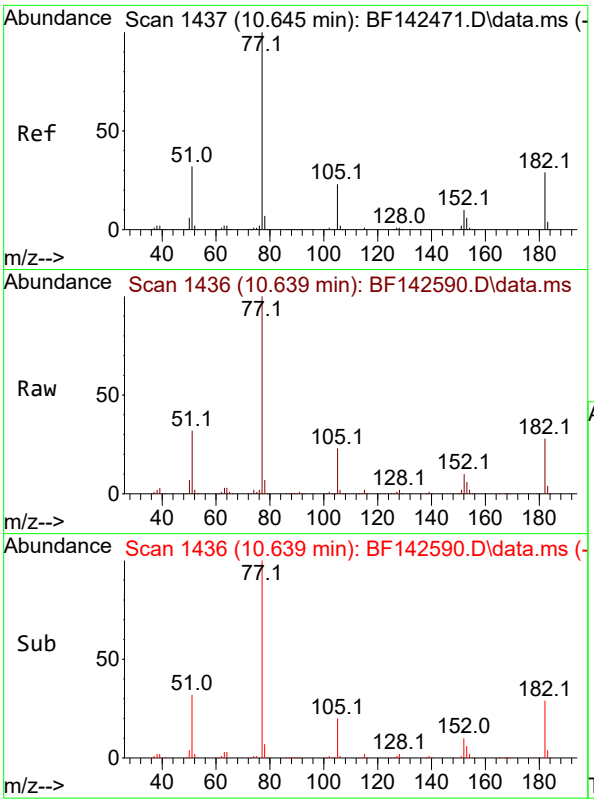


#62
4-Nitroaniline
Concen: 41.888 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:138 Resp: 142644

Ion	Ratio	Lower	Upper
138	100		
92	44.6	26.0	66.0
108	64.5	48.4	88.4



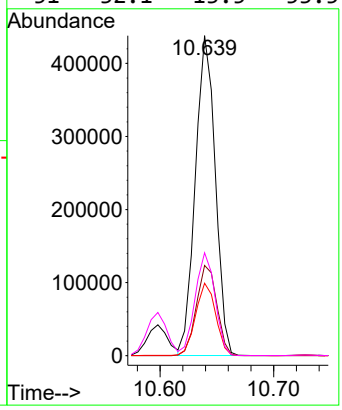


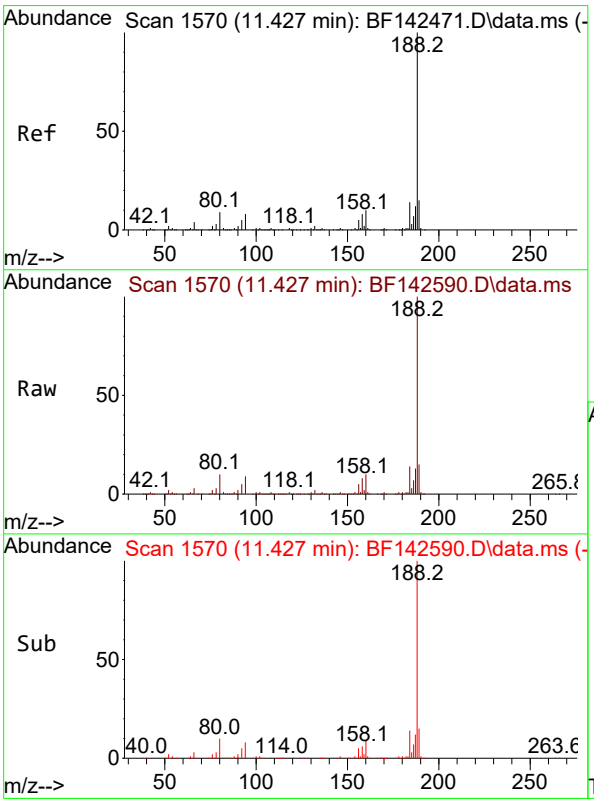
#63
Azobenzene
Concen: 38.258 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 534537

Ion	Ratio	Lower	Upper
77	100		
182	28.2	9.0	49.0
105	22.6	2.4	42.4
51	32.1	13.5	53.5

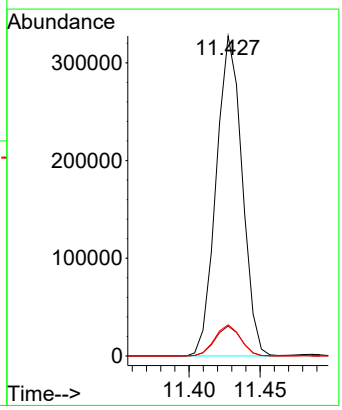


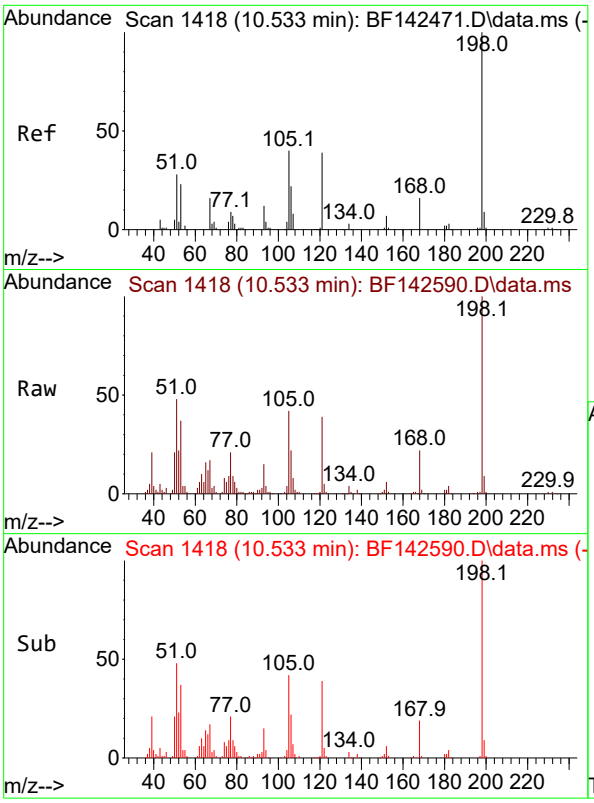


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:188 Resp: 415282

Ion	Ratio	Lower	Upper
188	100		
94	9.3	6.6	10.0
80	9.8	7.4	11.0



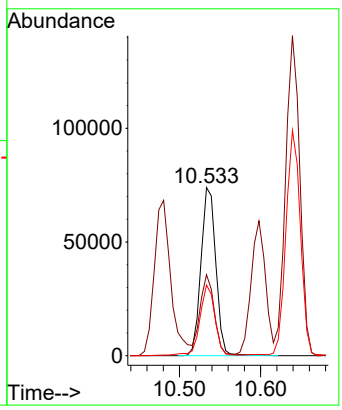


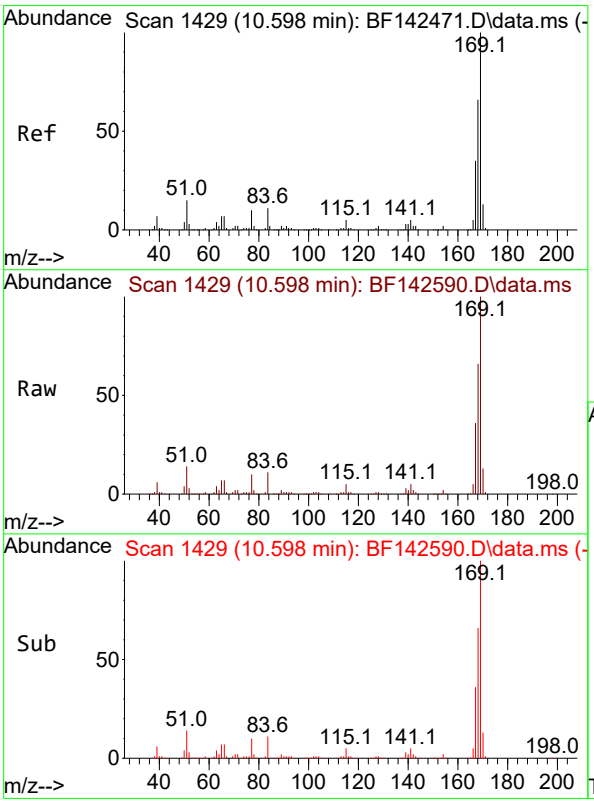
#65
4,6-Dinitro-2-methylphenol
Concen: 40.568 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 94020

Ion	Ratio	Lower	Upper
198	100		
51	48.1	28.3	68.3
105	42.0	21.3	61.3

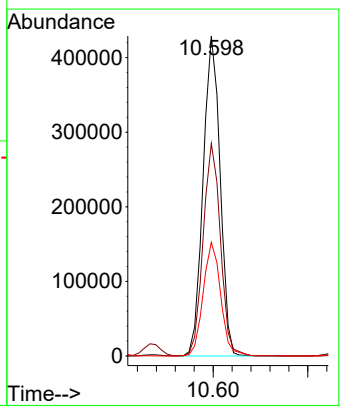


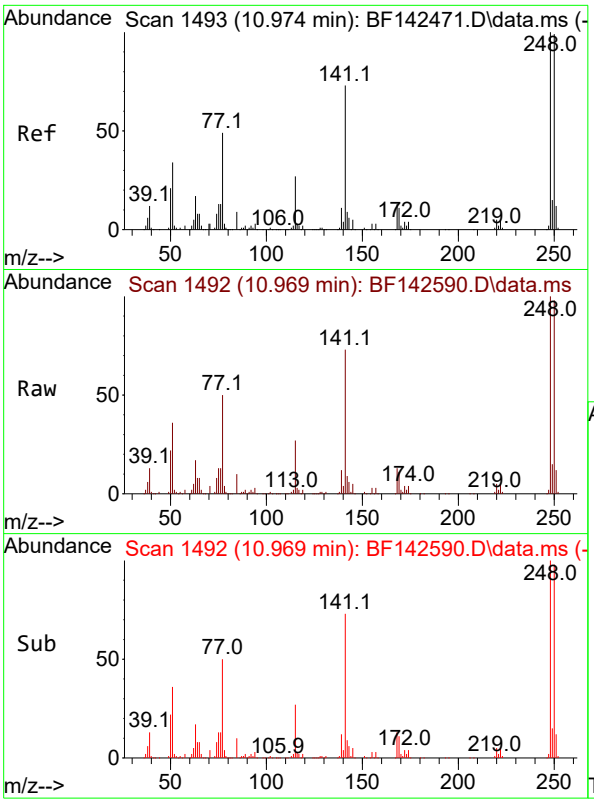


#66
n-Nitrosodiphenylamine
Concen: 37.472 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:169 Resp: 532389

Ion	Ratio	Lower	Upper
169	100		
168	66.4	52.7	79.1
167	35.5	28.3	42.5



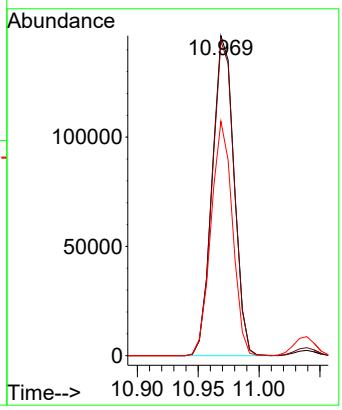


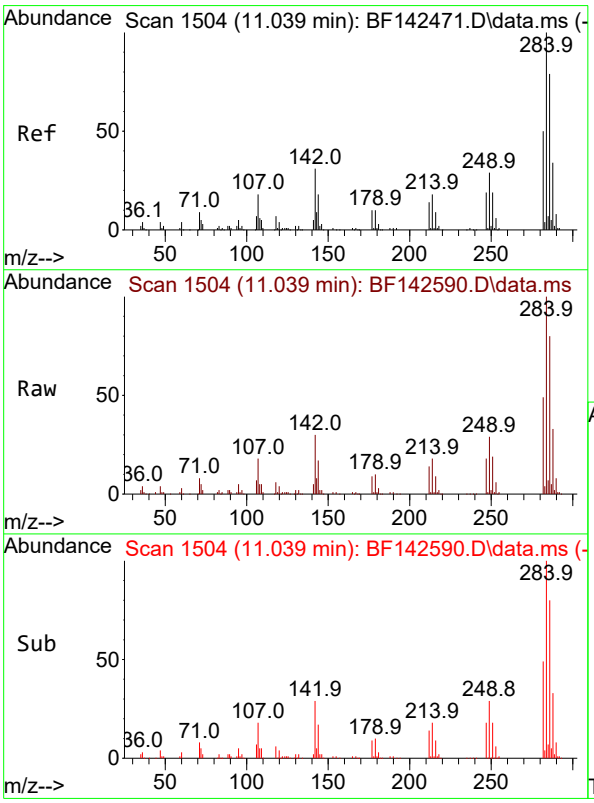
#67
4-Bromophenyl-phenylether
Concen: 37.161 ng
RT: 10.969 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 182475

Ion	Ratio	Lower	Upper
248	100		
250	98.3	79.0	118.4
141	73.3	58.4	87.6

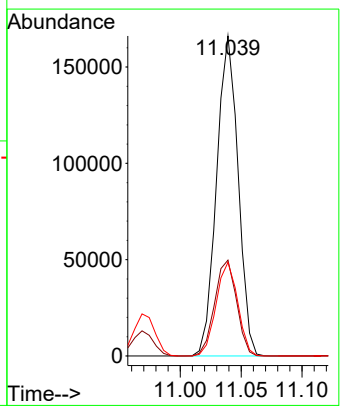


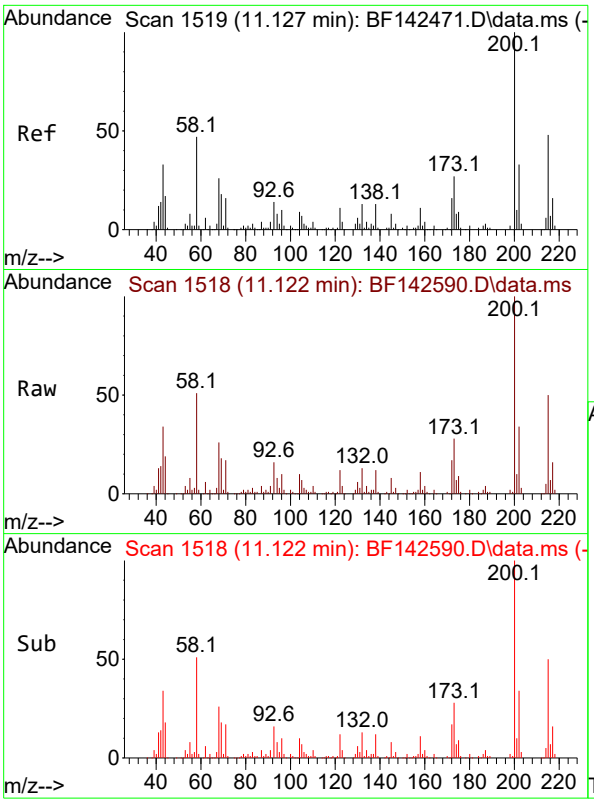


#68
Hexachlorobenzene
Concen: 37.610 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:284 Resp: 204259

Ion	Ratio	Lower	Upper
284	100		
142	29.9	24.8	37.2
249	29.3	23.6	35.4



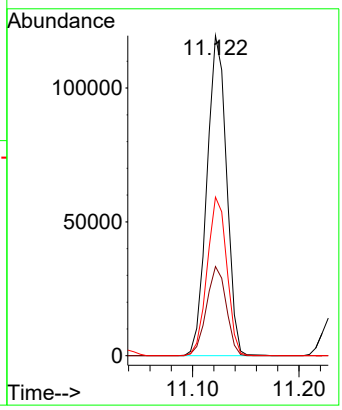


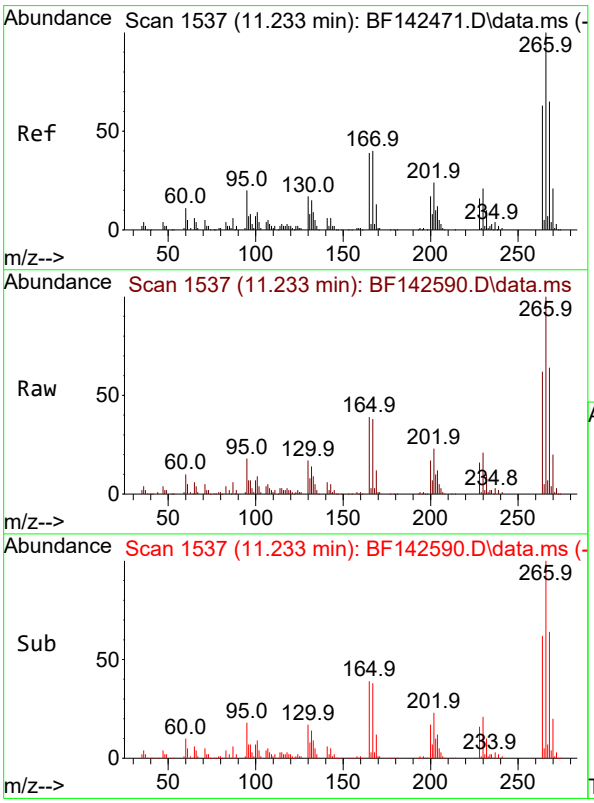
#69
Atrazine
Concen: 40.515 ng
RT: 11.122 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 152871

Ion	Ratio	Lower	Upper
200	100		
173	27.9	7.4	47.4
215	49.5	28.5	68.5

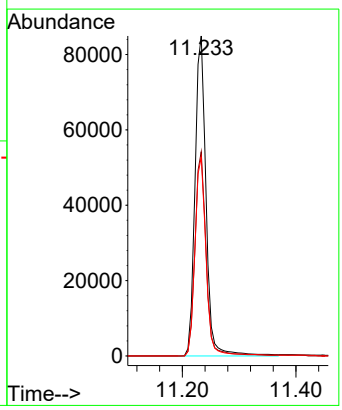


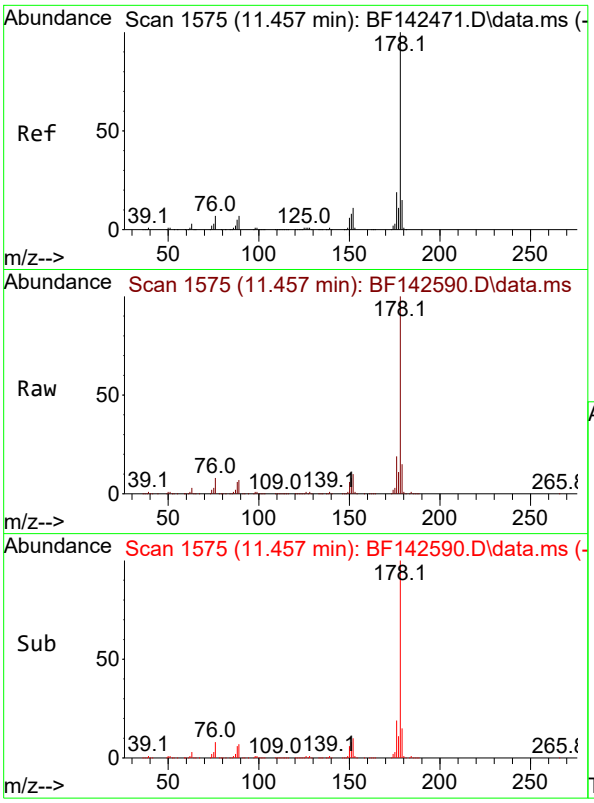


#70
Pentachlorophenol
Concen: 37.694 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:266 Resp: 115580

Ion	Ratio	Lower	Upper
266	100		
268	63.8	51.7	77.5
264	62.1	50.4	75.6



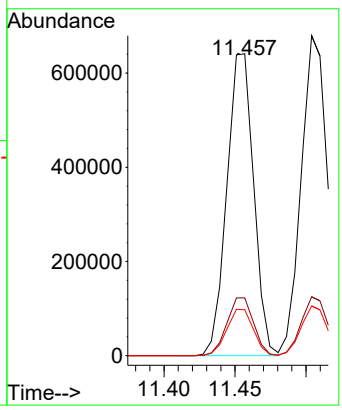


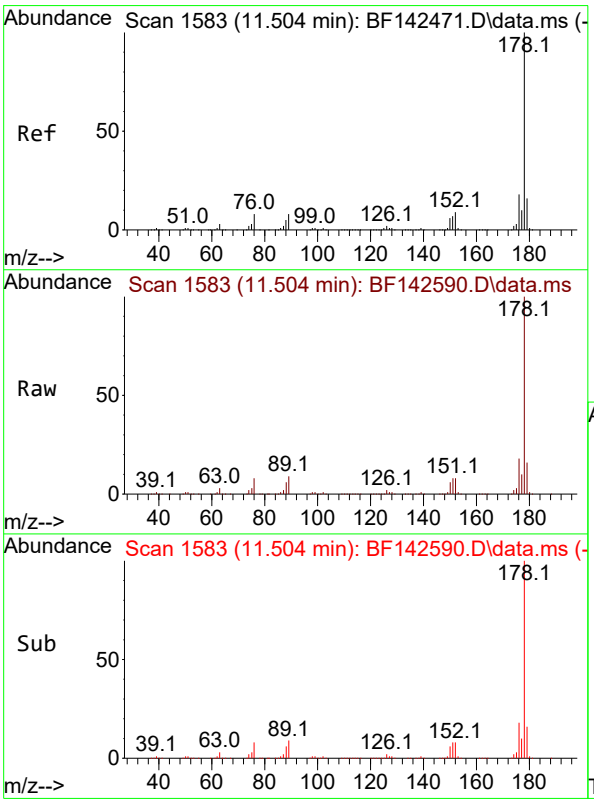
#71
Phenanthrene
Concen: 38.019 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 843782

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.2	12.3	18.5

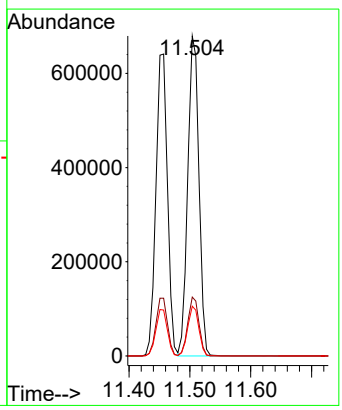


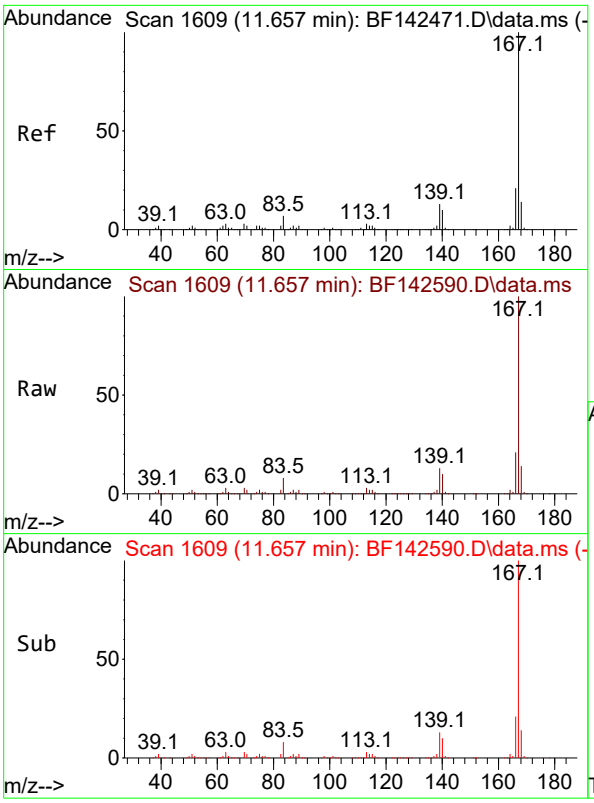


#72
Anthracene
Concen: 38.324 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:178 Resp: 868050

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	15.5	12.4	18.6



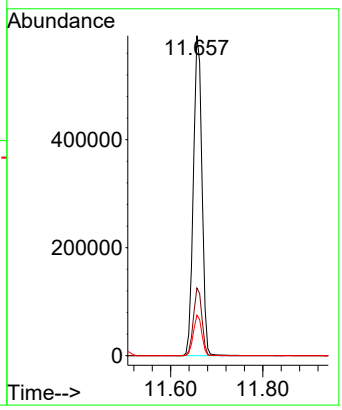


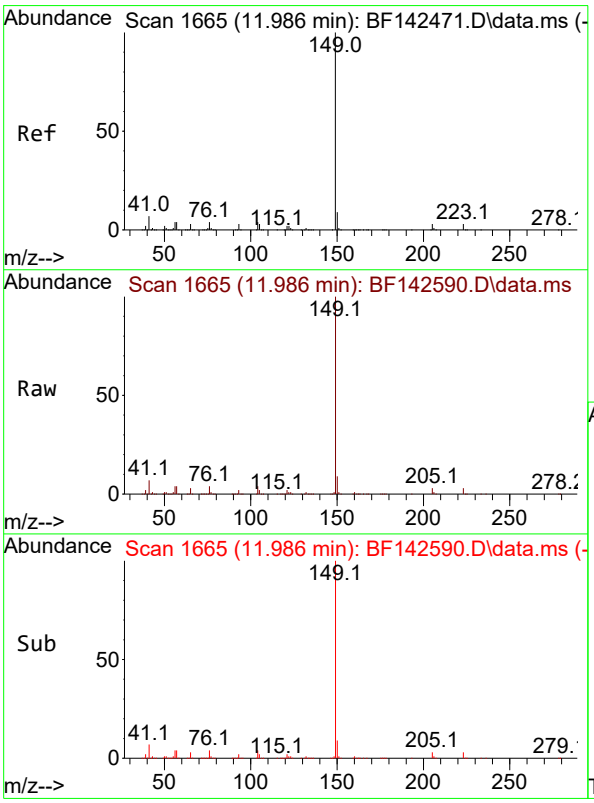
#73
Carbazole
Concen: 39.382 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 762565

Ion	Ratio	Lower	Upper
167	100		
166	21.1	16.9	25.3
139	12.6	10.2	15.4

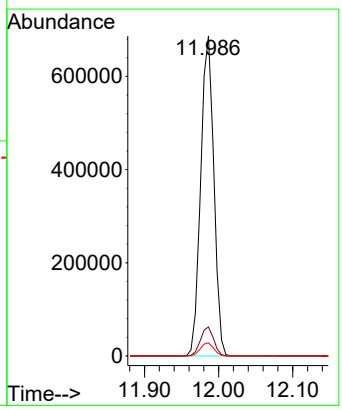


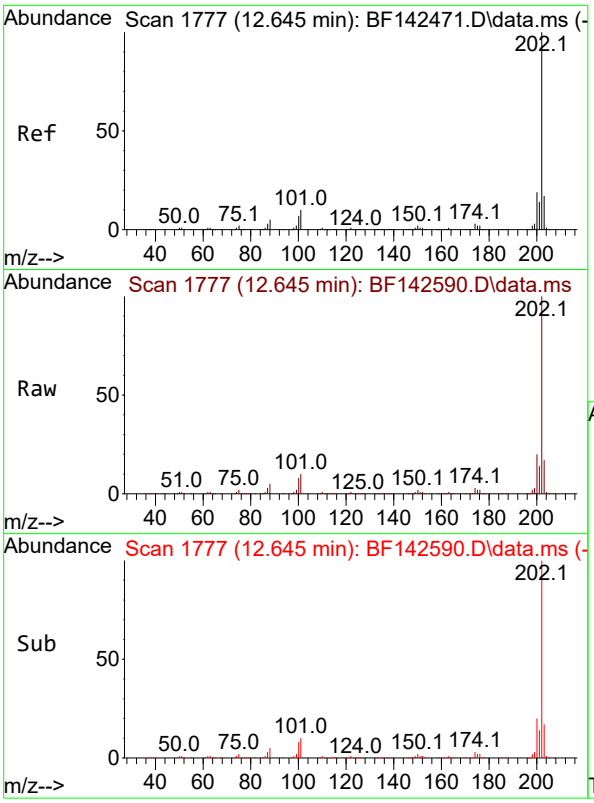


#74
Di-n-butylphthalate
Concen: 39.894 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:149 Resp: 845566

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.1	3.6	5.4



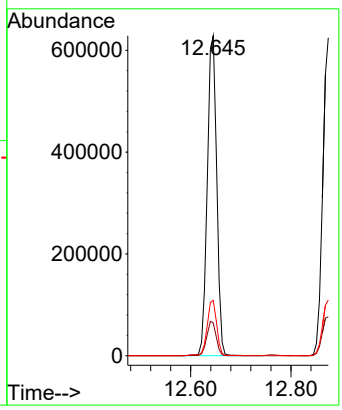


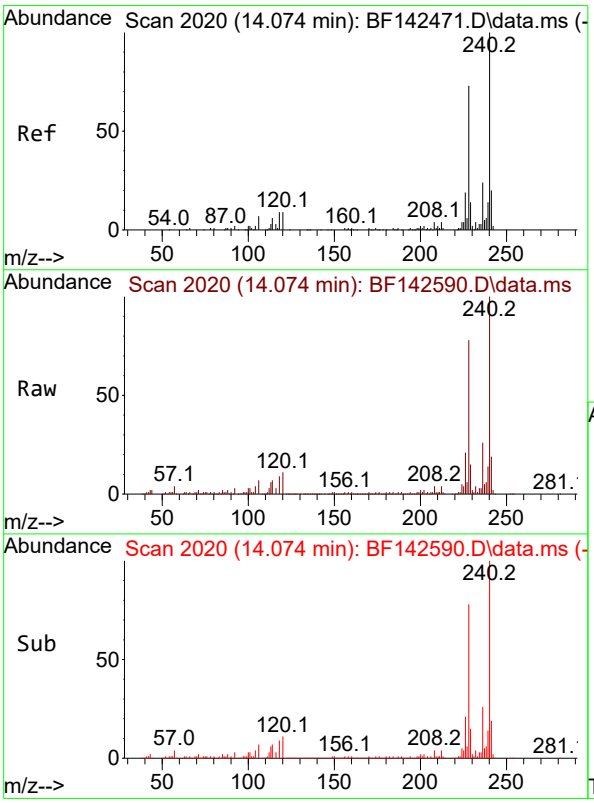
#75
Fluoranthene
Concen: 39.672 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 822707

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	29.6
203	17.3	0.0	37.2

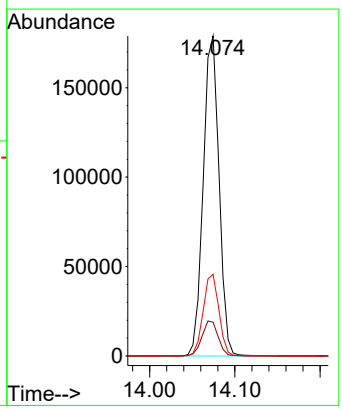


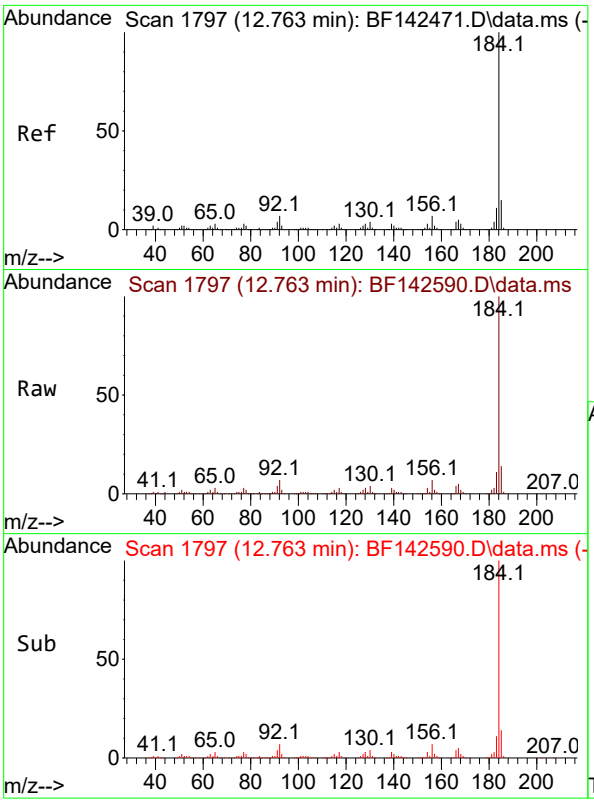


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:240 Resp: 230387

Ion	Ratio	Lower	Upper
240	100		
120	10.6	7.5	11.3
236	25.5	19.6	29.4



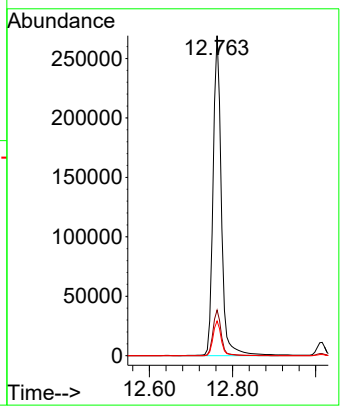


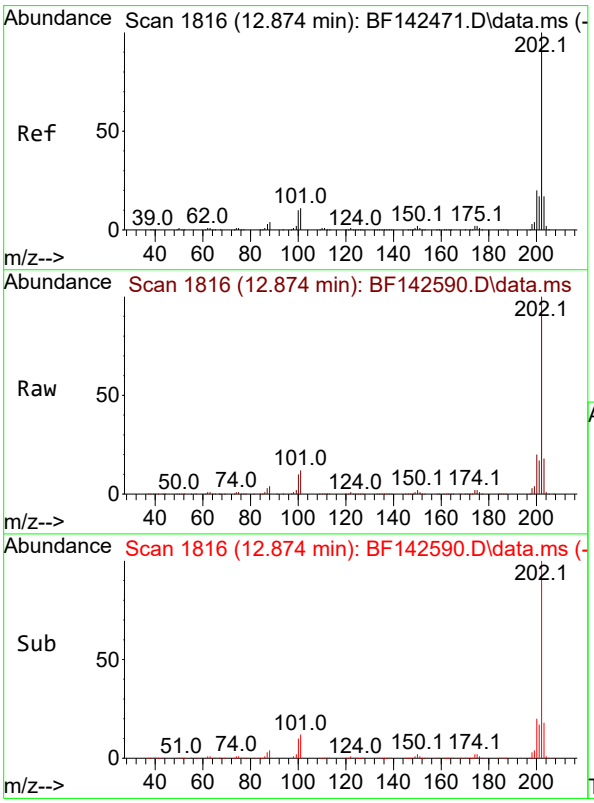
#77
Benzidine
Concen: 43.479 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 372760

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.6	17.4
183	10.8	9.0	13.4

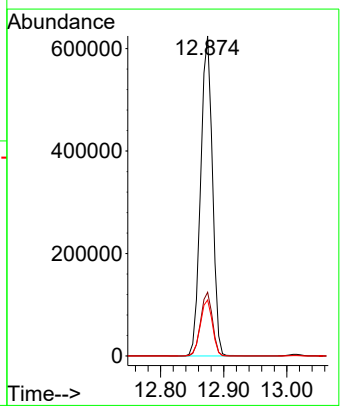


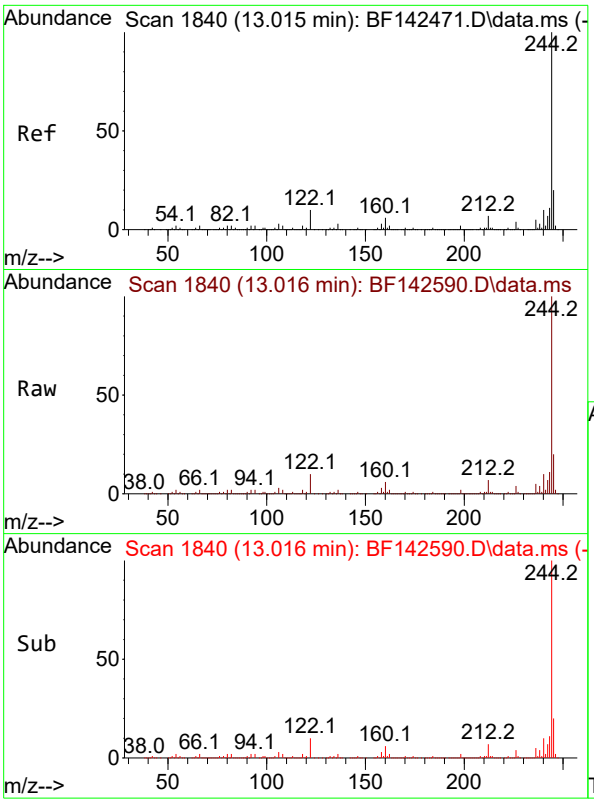


#78
Pyrene
Concen: 37.740 ng
RT: 12.874 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:202 Resp: 811108

Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.1	24.1
203	17.5	13.9	20.9



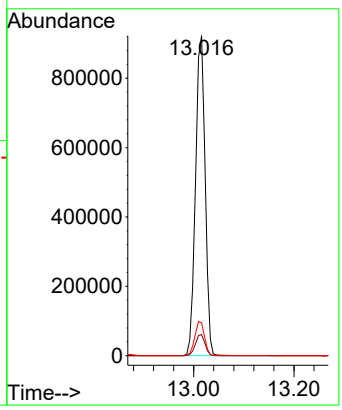


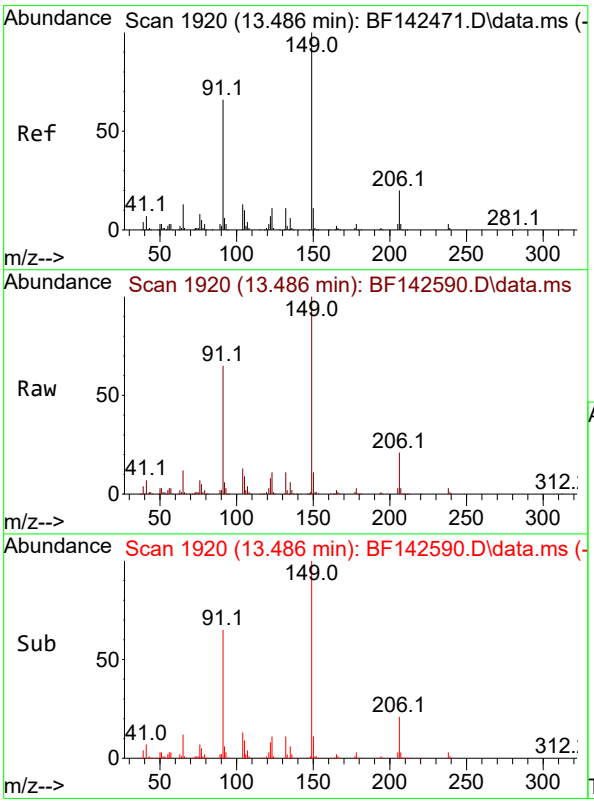
#79
Terphenyl-d14
Concen: 72.512 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1222487

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	10.3	8.2	12.2

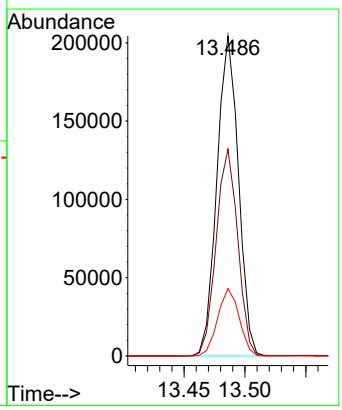


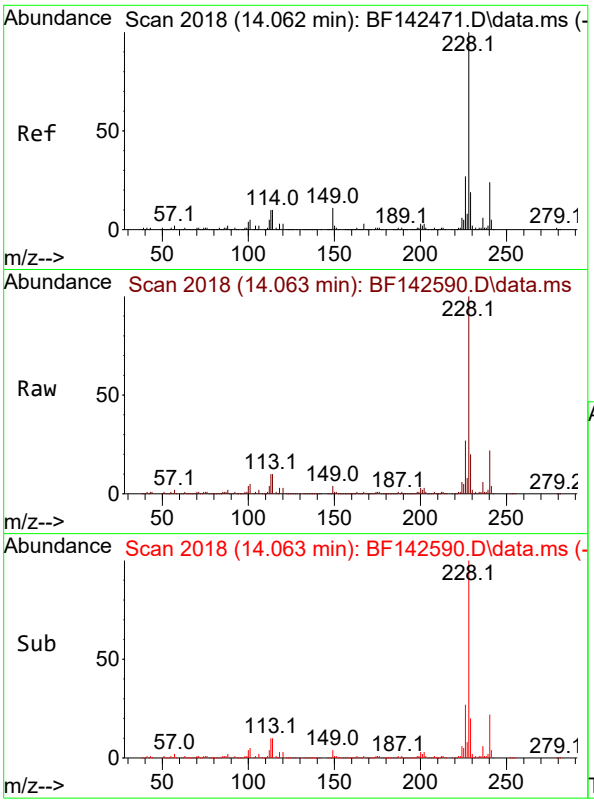


#80
Butylbenzylphthalate
Concen: 42.340 ng
RT: 13.486 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:149 Resp: 251441

Ion	Ratio	Lower	Upper
149	100		
91	64.6	52.9	79.3
206	21.0	16.2	24.2



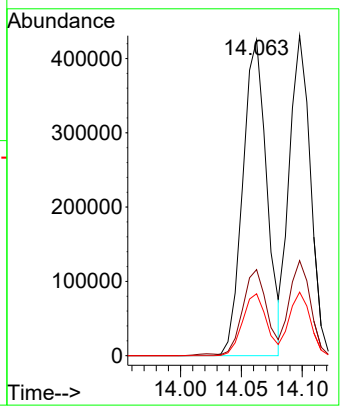


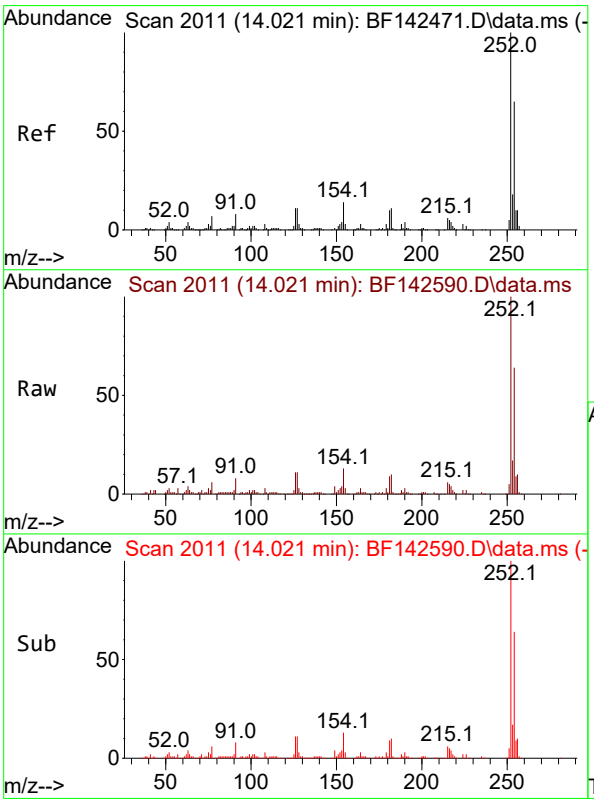
#81
Benzo(a)anthracene
Concen: 38.094 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 586045

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.2	31.8
229	19.6	15.5	23.3

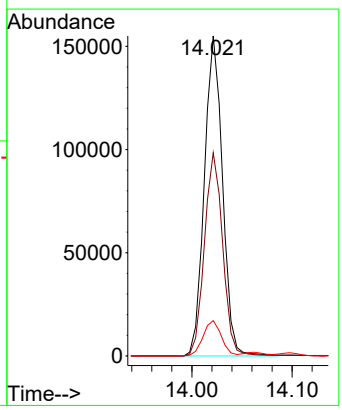


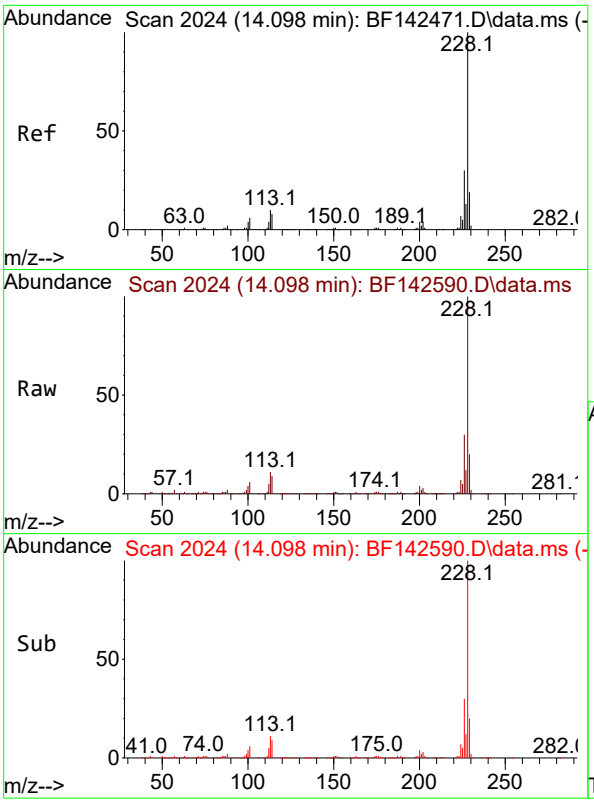


#82
3,3'-Dichlorobenzidine
Concen: 41.922 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:252 Resp: 195614

Ion	Ratio	Lower	Upper
252	100		
254	63.5	52.0	78.0
126	11.1	8.9	13.3



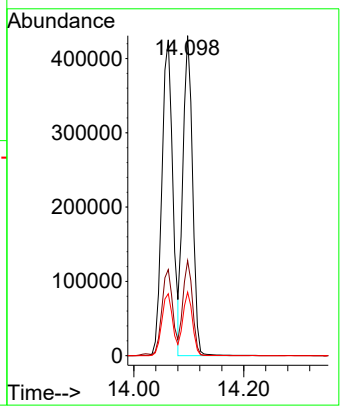


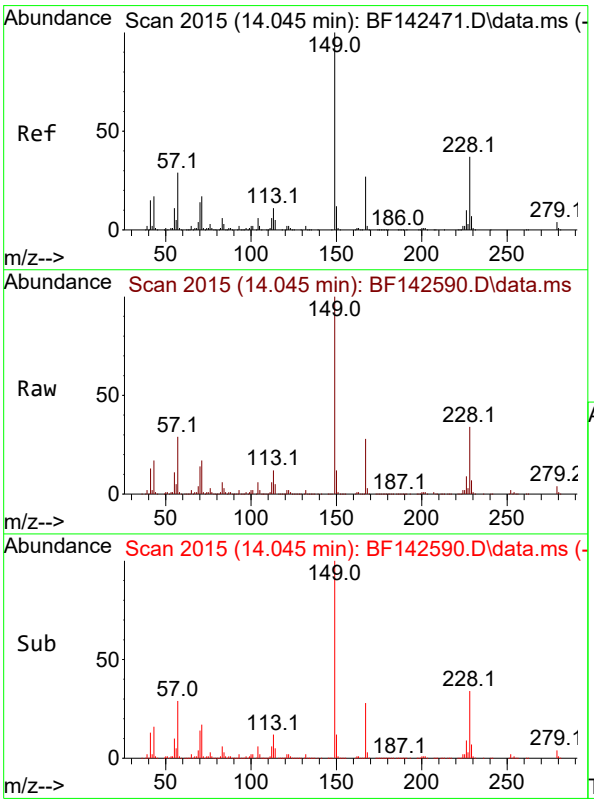
#83
Chrysene
Concen: 37.850 ng
RT: 14.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 523222

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.8	35.6
229	19.8	15.4	23.2

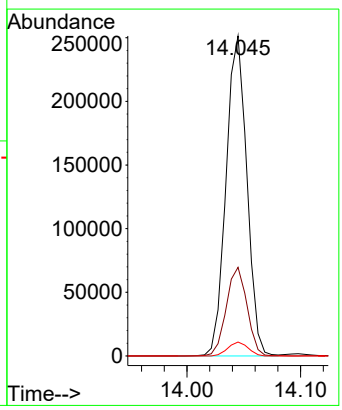


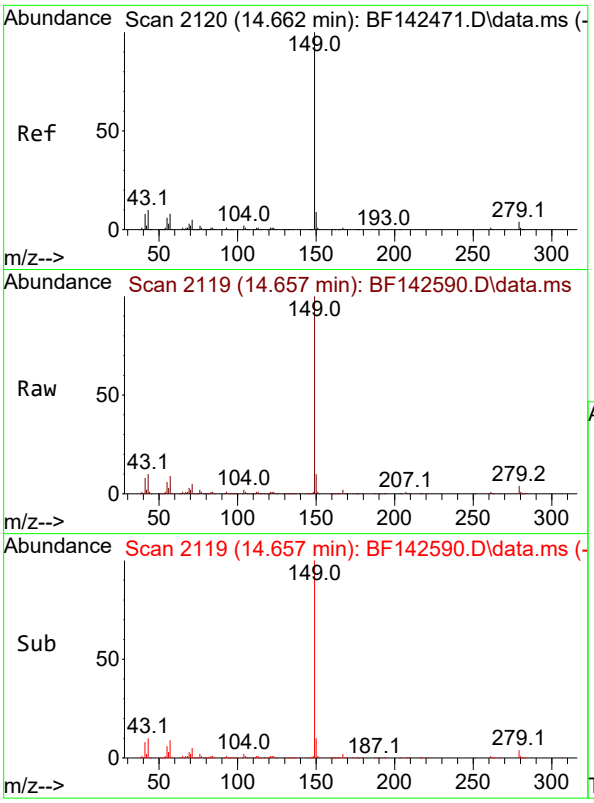


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.067 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:149 Resp: 319802

Ion	Ratio	Lower	Upper
149	100		
167	27.7	21.5	32.3
279	4.3	3.2	4.8



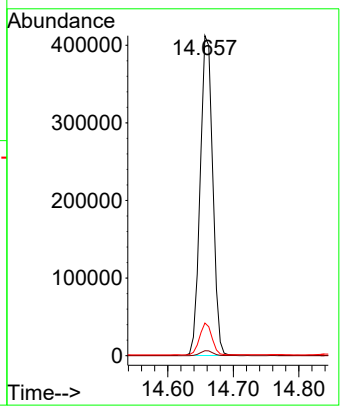


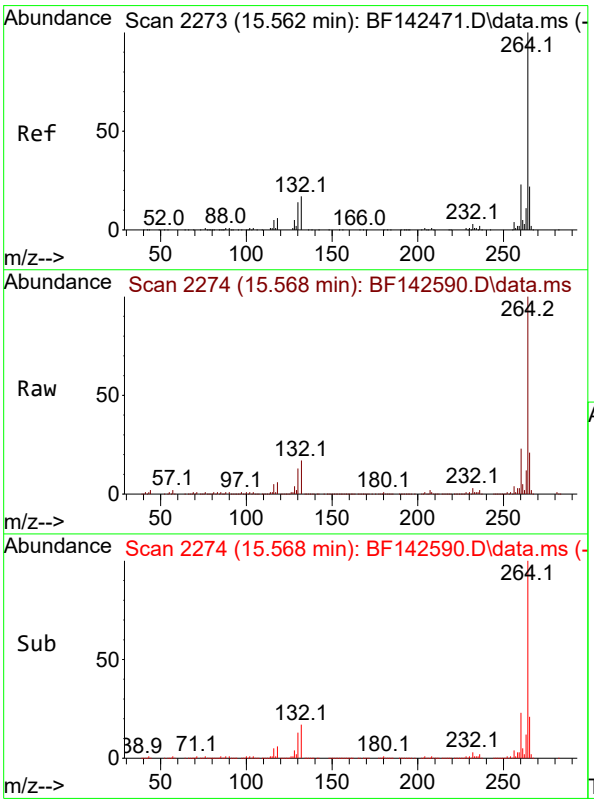
#85
Di-n-octyl phthalate
Concen: 37.041 ng
RT: 14.657 min Scan# 21
Delta R.T. -0.011 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 550609

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.7	7.9	11.9

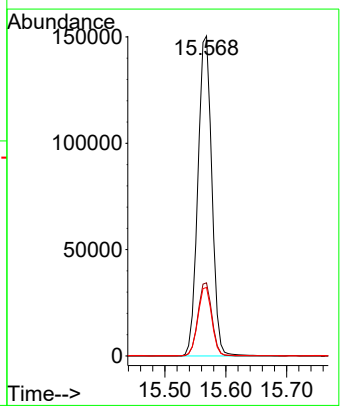


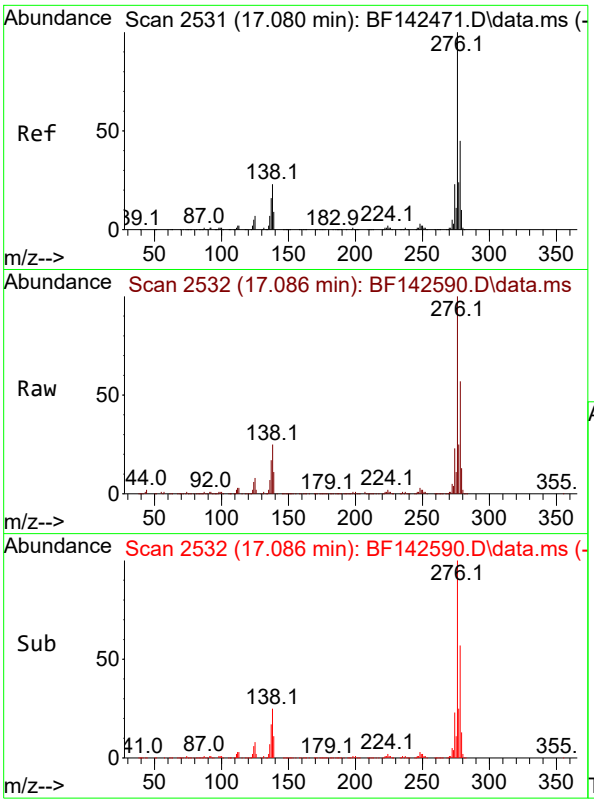


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:264 Resp: 238851

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.6	28.0
265	21.4	17.7	26.5



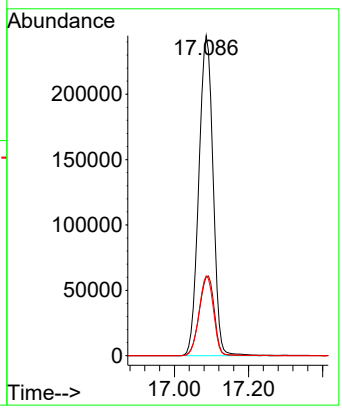


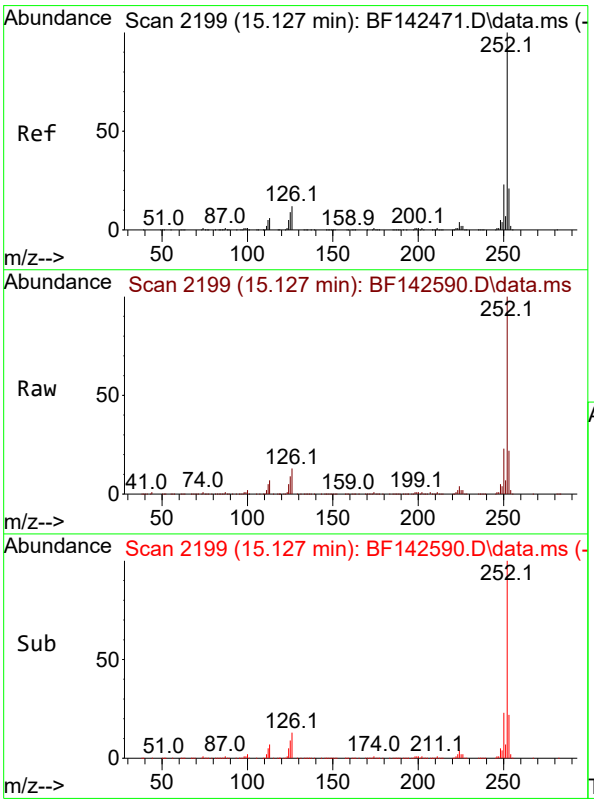
#87
Indeno(1,2,3-cd)pyrene
Concen: 36.435 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 653334

Ion	Ratio	Lower	Upper
276	100		
138	26.2	19.9	29.9
277	25.2	20.2	30.2

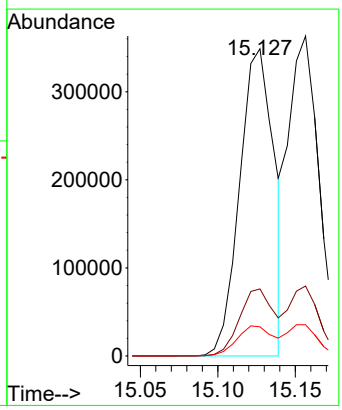


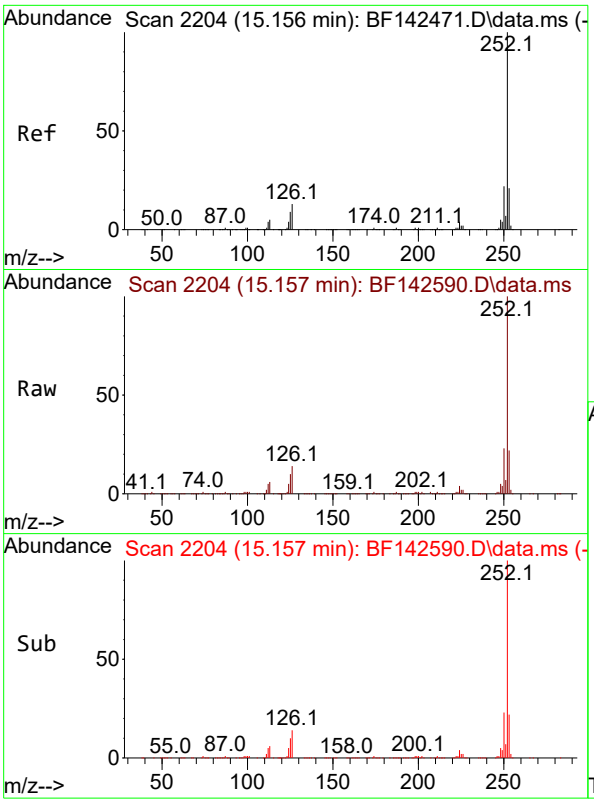


#88
Benzo(b)fluoranthene
Concen: 38.041 ng
RT: 15.127 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:252 Resp: 537758

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.4
125	9.5	7.4	11.0



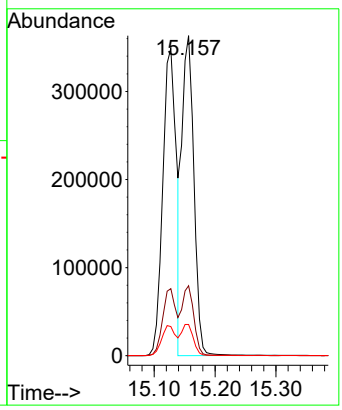


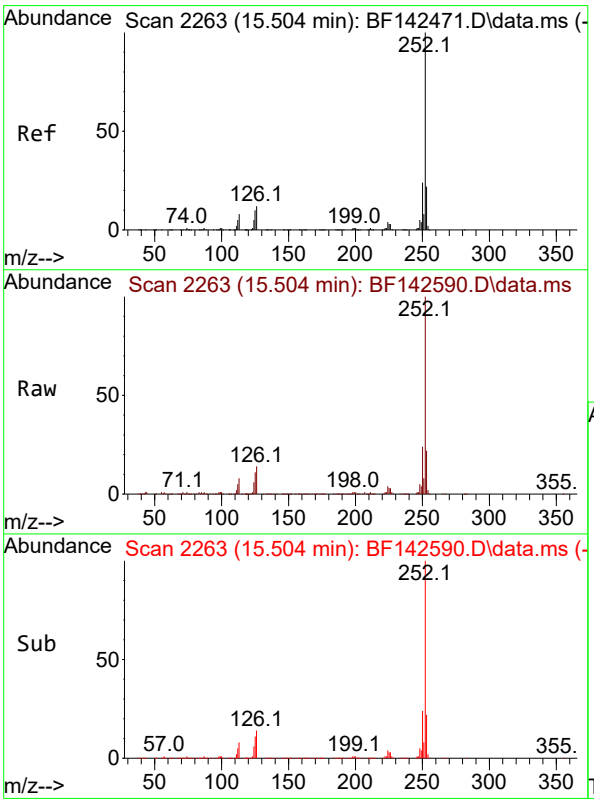
#89
Benzo(k)fluoranthene
Concen: 37.472 ng
RT: 15.157 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 496143

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.4
125	9.8	7.3	10.9

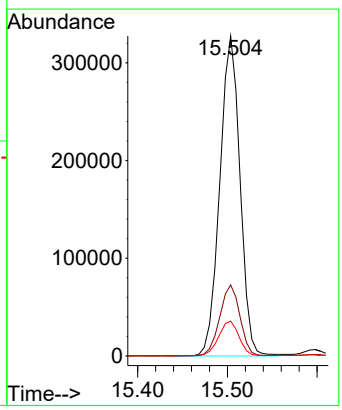


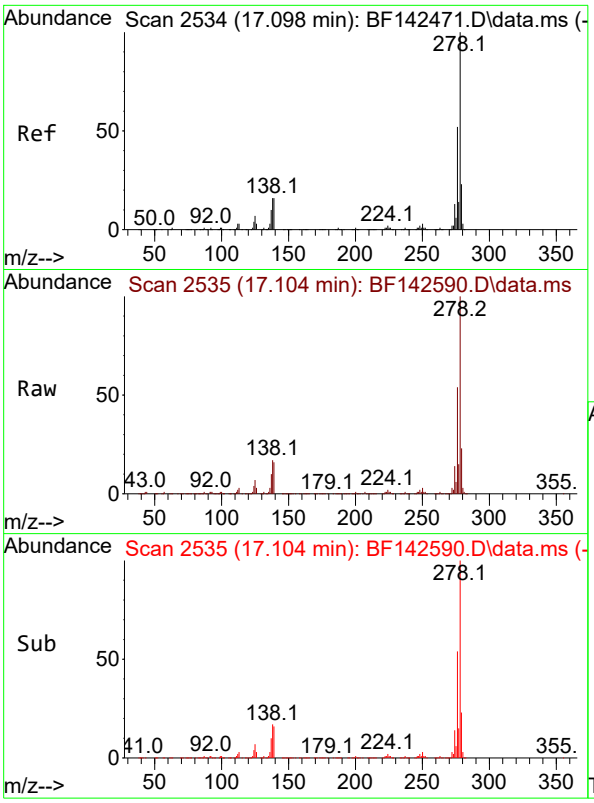


#90
Benzo(a)pyrene
Concen: 38.390 ng
RT: 15.504 min Scan# 2263
Delta R.T. -0.006 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:252 Resp: 511548

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	10.9	7.9	11.9



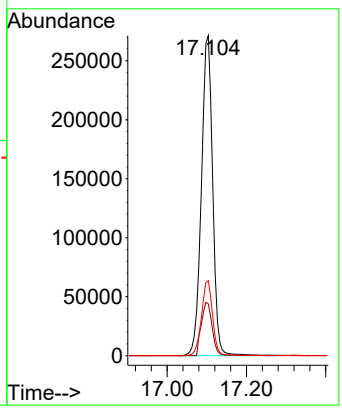


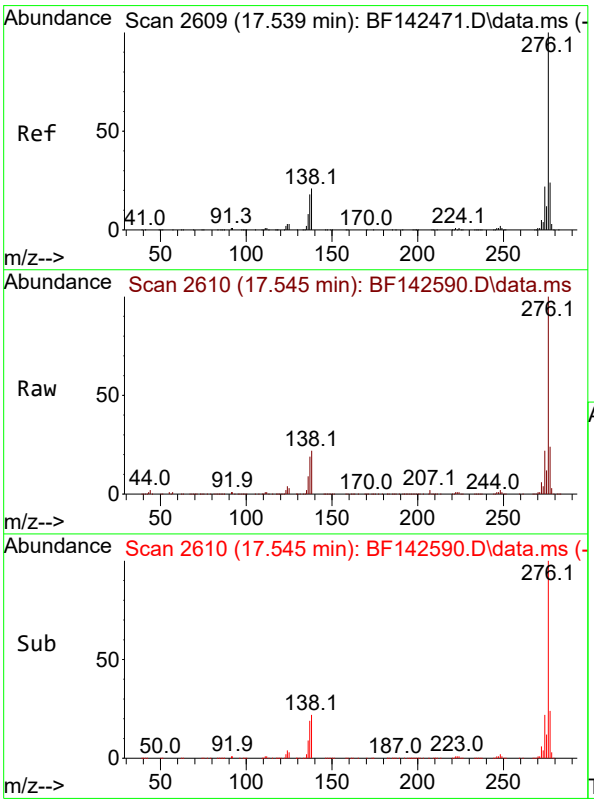
#91
Dibenzo(a,h)anthracene
Concen: 36.987 ng
RT: 17.104 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 537907

Ion	Ratio	Lower	Upper
278	100		
139	16.2	12.8	19.2
279	23.4	18.6	28.0

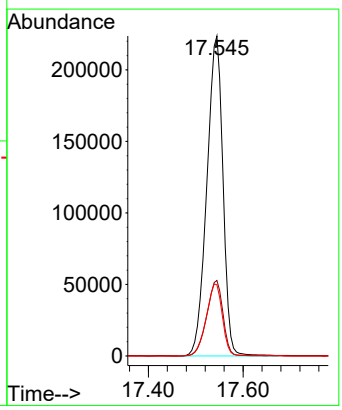




#92
Benzo(g,h,i)perylene
Concen: 36.304 ng
RT: 17.545 min Scan# 2610
Delta R.T. -0.012 min
Lab File: BF142590.D
Acq: 02 Jun 2025 11:30

Tgt Ion:276 Resp: 528096

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.2	28.8
138	22.3	16.8	25.2



Sample Results: **BF142590.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142590.D
Acq On : 02 Jun 2025 11:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 02 11:53:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 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	116	0.00
2		1,4-Dioxane	0.475	0.464	2.3	117	0.00
3		Pyridine	1.210	1.210	0.0	120	0.00
4		n-Nitrosodimethylamine	0.628	0.595	5.3	111	-0.02
5	S	2-Fluorophenol	1.187	1.153	2.9	118	0.00
6		Aniline	1.921	1.892	1.5	119	0.00
7	S	Phenol-d6	1.429	1.385	3.1	117	-0.01
8		2-Chlorophenol	1.293	1.260	2.6	116	0.00
9		Benzaldehyde	0.859	0.802	6.6	114	0.00
10	C	Phenol	1.608	1.558	3.1	118	-0.01
11		bis(2-Chloroethyl)ether	1.157	1.124	2.9	117	0.00
12		1,3-Dichlorobenzene	1.443	1.385	4.0	115	0.00
13	C	1,4-Dichlorobenzene	1.453	1.412	2.8	116	0.00
14		1,2-Dichlorobenzene	1.391	1.341	3.6	117	0.00
15		Benzyl Alcohol	1.056	1.016	3.8	115	0.00
16		2,2'-oxybis(1-Chloropropane	1.944	1.872	3.7	116	0.00
17		2-Methylphenol	1.010	0.984	2.6	117	0.00
18		Hexachloroethane	0.507	0.483	4.7	114	0.00
19	P	n-Nitroso-di-n-propylamine	0.886	0.829	6.4	114	-0.02
20		3+4-Methylphenols	1.293	1.242	3.9	115	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	117	0.00
22		Acetophenone	0.443	0.417	5.9	114	0.00
23	S	Nitrobenzene-d5	0.367	0.347	5.4	114	-0.01
24		Nitrobenzene	0.331	0.314	5.1	114	-0.01
25		Isophorone	0.613	0.575	6.2	114	-0.01
26	C	2-Nitrophenol	0.177	0.176	0.6	118	0.00
27		2,4-Dimethylphenol	0.312	0.299	4.2	116	0.00
28		bis(2-Chloroethoxy)methane	0.383	0.365	4.7	117	-0.01
29	C	2,4-Dichlorophenol	0.283	0.275	2.8	117	0.00
30		1,2,4-Trichlorobenzene	0.308	0.296	3.9	117	0.00
31		Naphthalene	0.985	0.939	4.7	117	0.00
32		Benzoic acid	0.190	0.181	4.7	113	-0.04
33		4-Chloroaniline	0.399	0.389	2.5	117	0.00
34	C	Hexachlorobutadiene	0.192	0.175	8.9	110	0.00
35		Caprolactam	0.080	0.084	-5.0	124	-0.02
36	C	4-Chloro-3-methylphenol	0.291	0.275	5.5	114	-0.01
37		2-Methylnaphthalene	0.620	0.581	6.3	115	0.00
38		1-Methylnaphthalene	0.641	0.600	6.4	114	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	117	0.00
40		1,2,4,5-Tetrachlorobenzene	0.574	0.542	5.6	115	0.00
41	P	Hexachlorocyclopentadiene	0.387	0.340	12.1	101	0.00
42	S	2,4,6-Tribromophenol	0.222	0.212	4.5	117	0.00
43	C	2,4,6-Trichlorophenol	0.387	0.366	5.4	115	0.00
44		2,4,5-Trichlorophenol	0.408	0.396	2.9	117	0.00
45	S	2-Fluorobiphenyl	1.490	1.341	10.0	113	-0.01
46		1,1'-Biphenyl	1.552	1.455	6.2	115	0.00
47		2-Chloronaphthalene	1.146	1.080	5.8	115	0.00

Sample Results: **BF142590.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142590.D
Acq On : 02 Jun 2025 11:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 02 11:53:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 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	0.331	0.325	1.8	117	0.00
49		Acenaphthylene	1.936	1.830	5.5	116	0.00
50		Dimethylphthalate	1.320	1.263	4.3	118	-0.01
51		2,6-Dinitrotoluene	0.285	0.279	2.1	116	0.00
52	C	Acenaphthene	1.182	1.118	5.4	117	0.00
53		3-Nitroaniline	0.311	0.315	-1.3	123	0.00
54	P	2,4-Dinitrophenol	0.147	0.143	2.7	112	0.00
55		Dibenzofuran	1.701	1.606	5.6	117	0.00
56	P	4-Nitrophenol	0.230	0.227	1.3	117	0.00
57		2,4-Dinitrotoluene	0.372	0.374	-0.5	120	0.00
58		Fluorene	1.314	1.257	4.3	119	0.00
59		2,3,4,6-Tetrachlorophenol	0.341	0.334	2.1	117	0.00
60		Diethylphthalate	1.289	1.226	4.9	116	-0.01
61		4-Chlorophenyl-phenylether	0.646	0.612	5.3	118	0.00
62		4-Nitroaniline	0.282	0.295	-4.6	125	-0.01
63		Azobenzene	1.158	1.107	4.4	117	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	121	0.00
65		4,6-Dinitro-2-methylphenol	0.112	0.113	-0.9	119	0.00
66	c	n-Nitrosodiphenylamine	0.684	0.641	6.3	120	0.00
67		4-Bromophenyl-phenylether	0.236	0.220	6.8	120	0.00
68		Hexachlorobenzene	0.262	0.246	6.1	119	0.00
69		Atrazine	0.182	0.184	-1.1	126	0.00
70	C	Pentachlorophenol	0.148	0.139	6.1	115	0.00
71		Phenanthrene	1.069	1.016	5.0	122	0.00
72		Anthracene	1.091	1.045	4.2	122	0.00
73		Carbazole	0.933	0.918	1.6	125	0.00
74		Di-n-butylphthalate	1.021	1.018	0.3	126	0.00
75	C	Fluoranthene	0.999	0.991	0.8	128	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	136	0.00
77		Benzidine	0.744	0.809	-8.7	138	0.00
78		Pyrene	1.866	1.760	5.7	129	0.00
79	S	Terphenyl-d14	1.464	1.327	9.4	127	0.00
80		Butylbenzylphthalate	0.516	0.546	-5.8	141	0.00
81		Benzo(a)anthracene	1.336	1.272	4.8	136	0.00
82		3,3'-Dichlorobenzidine	0.405	0.425	-4.9	142	0.00
83		Chrysene	1.200	1.136	5.3	135	0.00
84		Bis(2-ethylhexyl)phthalate	0.660	0.694	-5.2	141	0.00
85	c	Di-n-octyl phthalate	1.290	1.195	7.4	129	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	126	0.00
87		Indeno(1,2,3-cd)pyrene	1.501	1.368	8.9	119	0.00
88		Benzo(b)fluoranthene	1.184	1.126	4.9	126	0.00
89		Benzo(k)fluoranthene	1.109	1.039	6.3	126	0.00
90	C	Benzo(a)pyrene	1.116	1.071	4.0	125	0.00
91		Dibenzo(a,h)anthracene	1.218	1.126	7.6	120	-0.01
92		Benzo(g,h,i)perylene	1.218	1.105	9.3	118	-0.01

Sample Results: **BF142590.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142590.D
Acq On : 02 Jun 2025 11:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 02 11:53:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 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: **BF142590.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142590.D
Acq On : 02 Jun 2025 11:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 02 11:53:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 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	116	0.00
2		1,4-Dioxane	40.000	39.101	2.2	117	0.00
3		Pyridine	40.000	40.014	-0.0	120	0.00
4		n-Nitrosodimethylamine	40.000	37.883	5.3	111	-0.02
5	S	2-Fluorophenol	80.000	77.713	2.9	118	0.00
6		Aniline	40.000	39.384	1.5	119	0.00
7	S	Phenol-d6	80.000	77.527	3.1	117	-0.01
8		2-Chlorophenol	40.000	38.992	2.5	116	0.00
9		Benzaldehyde	40.000	37.337	6.7	114	0.00
10	C	Phenol	40.000	38.752	3.1	118	-0.01
11		bis(2-Chloroethyl)ether	40.000	38.834	2.9	117	0.00
12		1,3-Dichlorobenzene	40.000	38.387	4.0	115	0.00
13	C	1,4-Dichlorobenzene	40.000	38.867	2.8	116	0.00
14		1,2-Dichlorobenzene	40.000	38.567	3.6	117	0.00
15		Benzyl Alcohol	40.000	38.476	3.8	115	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.521	3.7	116	0.00
17		2-Methylphenol	40.000	38.986	2.5	117	0.00
18		Hexachloroethane	40.000	38.042	4.9	114	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.435	6.4	114	-0.02
20		3+4-Methylphenols	40.000	38.443	3.9	115	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	117	0.00
22		Acetophenone	40.000	37.647	5.9	114	0.00
23	S	Nitrobenzene-d5	80.000	75.793	5.3	114	-0.01
24		Nitrobenzene	40.000	37.981	5.0	114	-0.01
25		Isophorone	40.000	37.499	6.3	114	-0.01
26	C	2-Nitrophenol	40.000	39.842	0.4	118	0.00
27		2,4-Dimethylphenol	40.000	38.389	4.0	116	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.126	4.7	117	-0.01
29	C	2,4-Dichlorophenol	40.000	38.802	3.0	117	0.00
30		1,2,4-Trichlorobenzene	40.000	38.470	3.8	117	0.00
31		Naphthalene	40.000	38.160	4.6	117	0.00
32		Benzoic acid	40.000	38.227	4.4	113	-0.04
33		4-Chloroaniline	40.000	38.998	2.5	117	0.00
34	C	Hexachlorobutadiene	40.000	36.459	8.9	110	0.00
35		Caprolactam	40.000	41.974	-4.9	124	-0.02
36	C	4-Chloro-3-methylphenol	40.000	37.891	5.3	114	-0.01
37		2-Methylnaphthalene	40.000	37.513	6.2	115	0.00
38		1-Methylnaphthalene	40.000	37.476	6.3	114	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	117	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	37.735	5.7	115	0.00
41	P	Hexachlorocyclopentadiene	40.000	35.099	12.3	101	0.00
42	S	2,4,6-Tribromophenol	80.000	76.490	4.4	117	0.00
43	C	2,4,6-Trichlorophenol	40.000	37.821	5.4	115	0.00
44		2,4,5-Trichlorophenol	40.000	38.794	3.0	117	0.00
45	S	2-Fluorobiphenyl	80.000	71.981	10.0	113	-0.01
46		1,1'-Biphenyl	40.000	37.504	6.2	115	0.00
47		2-Chloronaphthalene	40.000	37.693	5.8	115	0.00

Sample Results: **BF142590.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142590.D
Acq On : 02 Jun 2025 11:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 02 11:53:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 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	39.199	2.0	117	0.00
49		Acenaphthylene	40.000	37.812	5.5	116	0.00
50		Dimethylphthalate	40.000	38.278	4.3	118	-0.01
51		2,6-Dinitrotoluene	40.000	39.122	2.2	116	0.00
52	C	Acenaphthene	40.000	37.817	5.5	117	0.00
53		3-Nitroaniline	40.000	40.472	-1.2	123	0.00
54	P	2,4-Dinitrophenol	40.000	38.796	3.0	112	0.00
55		Dibenzofuran	40.000	37.777	5.6	117	0.00
56	P	4-Nitrophenol	40.000	39.507	1.2	117	0.00
57		2,4-Dinitrotoluene	40.000	40.236	-0.6	120	0.00
58		Fluorene	40.000	38.259	4.4	119	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.192	2.0	117	0.00
60		Diethylphthalate	40.000	38.041	4.9	116	-0.01
61		4-Chlorophenyl-phenylether	40.000	37.917	5.2	118	0.00
62		4-Nitroaniline	40.000	41.888	-4.7	125	-0.01
63		Azobenzene	40.000	38.258	4.4	117	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	121	0.00
65		4,6-Dinitro-2-methylphenol	40.000	40.568	-1.4	119	0.00
66	c	n-Nitrosodiphenylamine	40.000	37.472	6.3	120	0.00
67		4-Bromophenyl-phenylether	40.000	37.161	7.1	120	0.00
68		Hexachlorobenzene	40.000	37.610	6.0	119	0.00
69		Atrazine	40.000	40.515	-1.3	126	0.00
70	C	Pentachlorophenol	40.000	37.694	5.8	115	0.00
71		Phenanthrene	40.000	38.019	5.0	122	0.00
72		Anthracene	40.000	38.324	4.2	122	0.00
73		Carbazole	40.000	39.382	1.5	125	0.00
74		Di-n-butylphthalate	40.000	39.894	0.3	126	0.00
75	C	Fluoranthene	40.000	39.672	0.8	128	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	136	0.00
77		Benzidine	40.000	43.479	-8.7	138	0.00
78		Pyrene	40.000	37.740	5.6	129	0.00
79	S	Terphenyl-d14	80.000	72.512	9.4	127	0.00
80		Butylbenzylphthalate	40.000	42.340	-5.9	141	0.00
81		Benzo(a)anthracene	40.000	38.094	4.8	136	0.00
82		3,3'-Dichlorobenzidine	40.000	41.922	-4.8	142	0.00
83		Chrysene	40.000	37.850	5.4	135	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	42.067	-5.2	141	0.00
85	c	Di-n-octyl phthalate	40.000	37.041	7.4	129	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	126	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	36.435	8.9	119	0.00
88		Benzo(b)fluoranthene	40.000	38.041	4.9	126	0.00
89		Benzo(k)fluoranthene	40.000	37.472	6.3	126	0.00
90	C	Benzo(a)pyrene	40.000	38.390	4.0	125	0.00
91		Dibenzo(a,h)anthracene	40.000	36.987	7.5	120	-0.01
92		Benzo(g,h,i)perylene	40.000	36.304	9.2	118	-0.01

Sample Results: **BF142590.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142590.D
Acq On : 02 Jun 2025 11:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 02 11:53:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

QC SAMPLE DATA

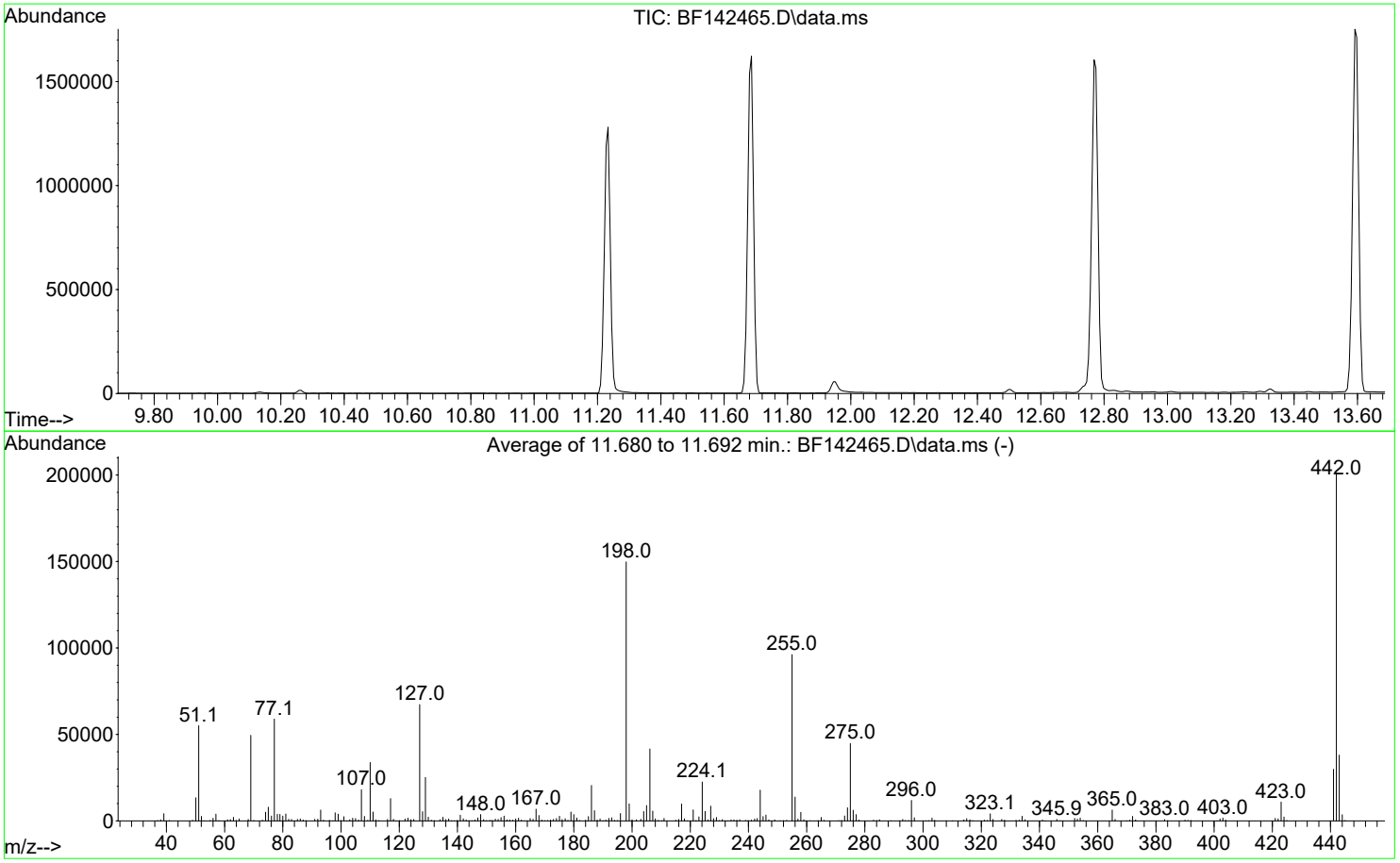
Sample Results: **BF142465.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142465.D
Acq On : 20 May 2025 11:13
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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 20 16:26:47 2025



AutoFind: Scans 1613, 1614, 1615; Background Corrected with Scan 1606

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	36.8	55035	PASS
68	69	0.00	2	1.9	918	PASS
69	198	0.00	100	33.1	49499	PASS
70	69	0.00	2	0.5	254	PASS
127	198	10	80	44.9	67277	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	149731	PASS
199	198	5	9	6.6	9853	PASS
275	198	10	60	29.9	44779	PASS
365	198	1	100	4.2	6269	PASS
441	198	0.01	100	19.9	29837	PASS
442	442	50	100	100.0	200661	PASS
443	442	15	24	19.0	38045	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
5/20/2025	BNA_F	BF142465.D
Compound Name	**Response**	**Retention Time**
DDT	467874	13.598
DDD	6363	13.327
DDE	709	12.957
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
7072	474946	1.49

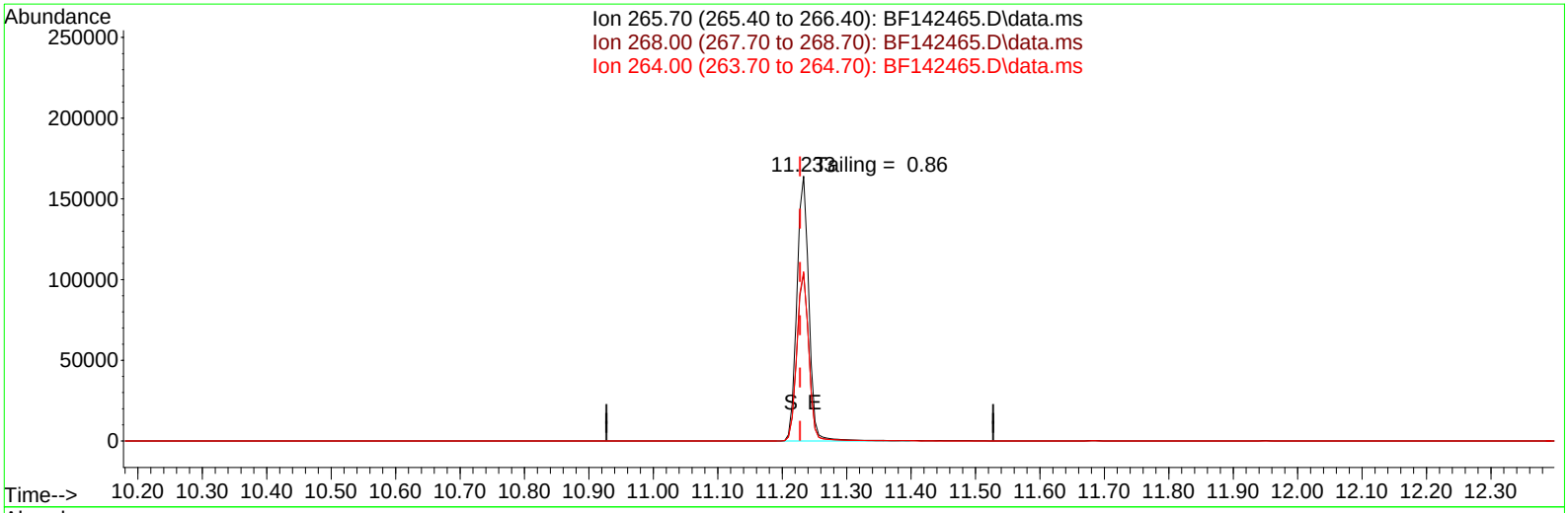
Instrument :
BNA_F
ClientSampleId :
DFTPP

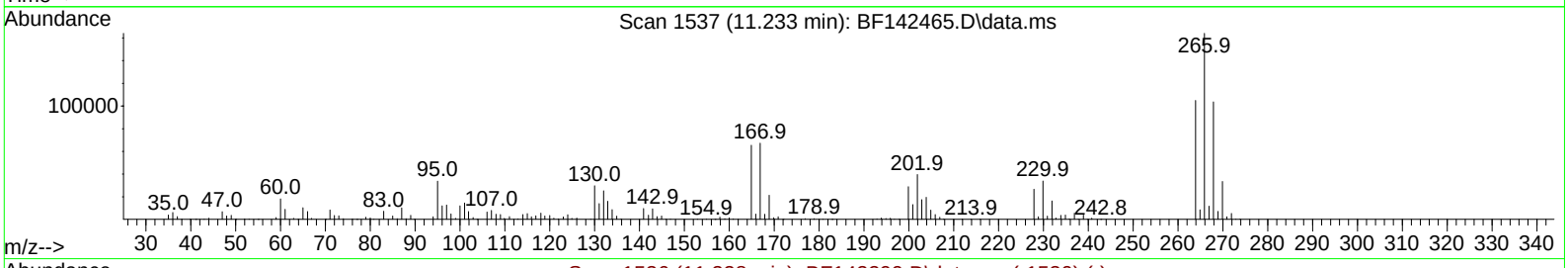
Sample Results: **BF142465.D**

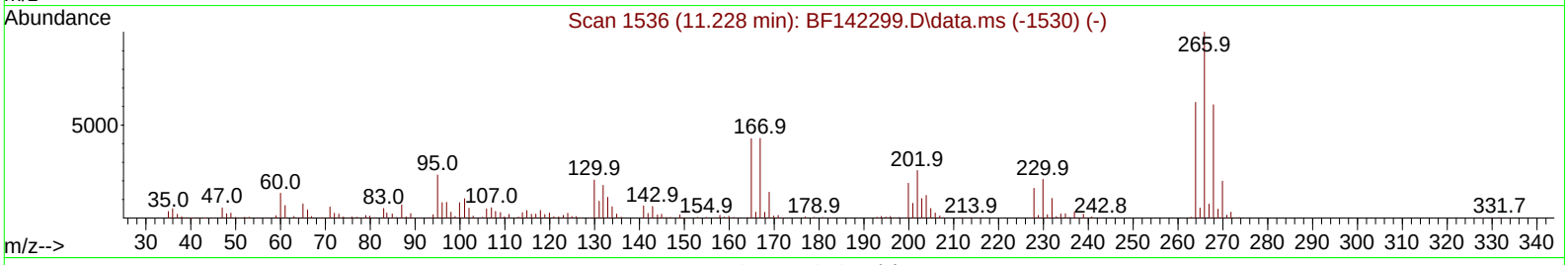
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142465.D
Acq On : 20 May 2025 11:13
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: May 20 14:09:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration







TIC: BF142465.D\data.ms

(70) Pentachlorophenol (C)

11.233min (+ 0.006) 45340.77 ng

response 213501

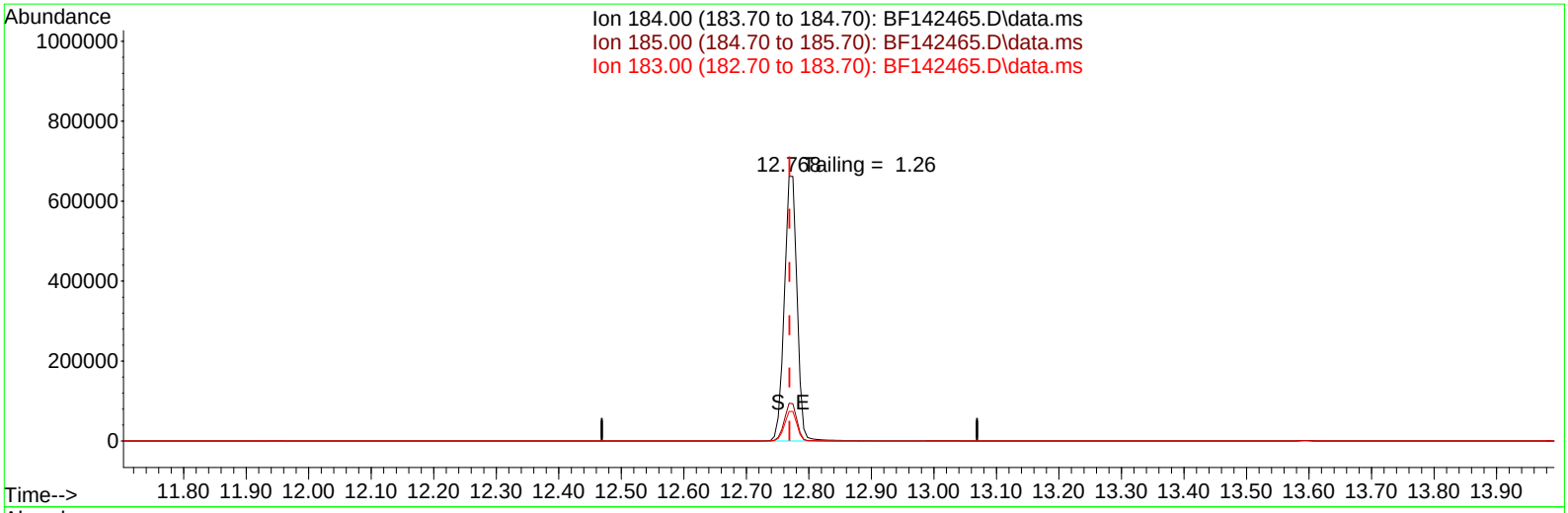
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	60.90	63.21
264.00	62.20	63.93
0.00	0.00	0.00

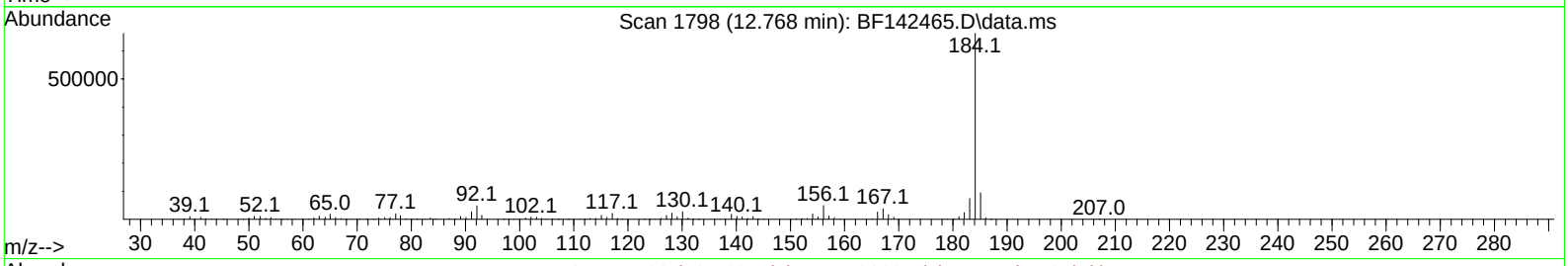
Sample Results: **BF142465.D**

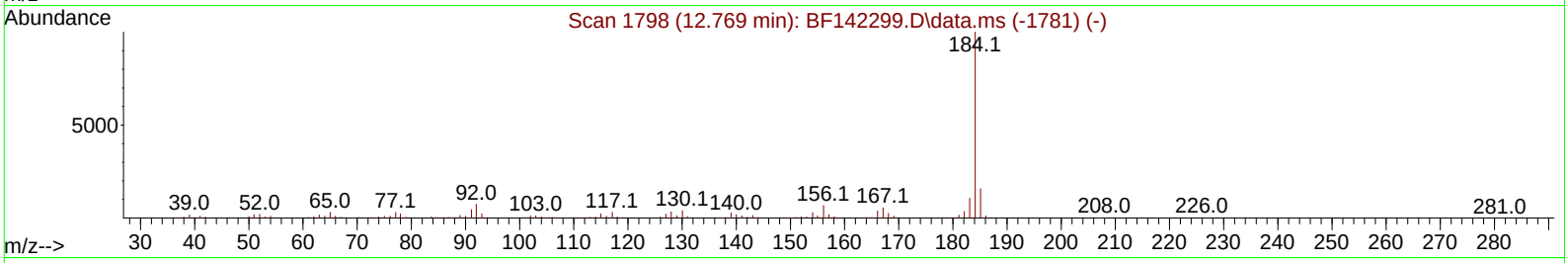
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142465.D
Acq On : 20 May 2025 11:13
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: May 20 14:09:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration







TIC: BF142465.D\data.ms

(77) Benzidine

12.768min (-0.001) 0.00 ng

response 942414

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.70	14.29
183.00	10.70	11.15
0.00	0.00	0.00

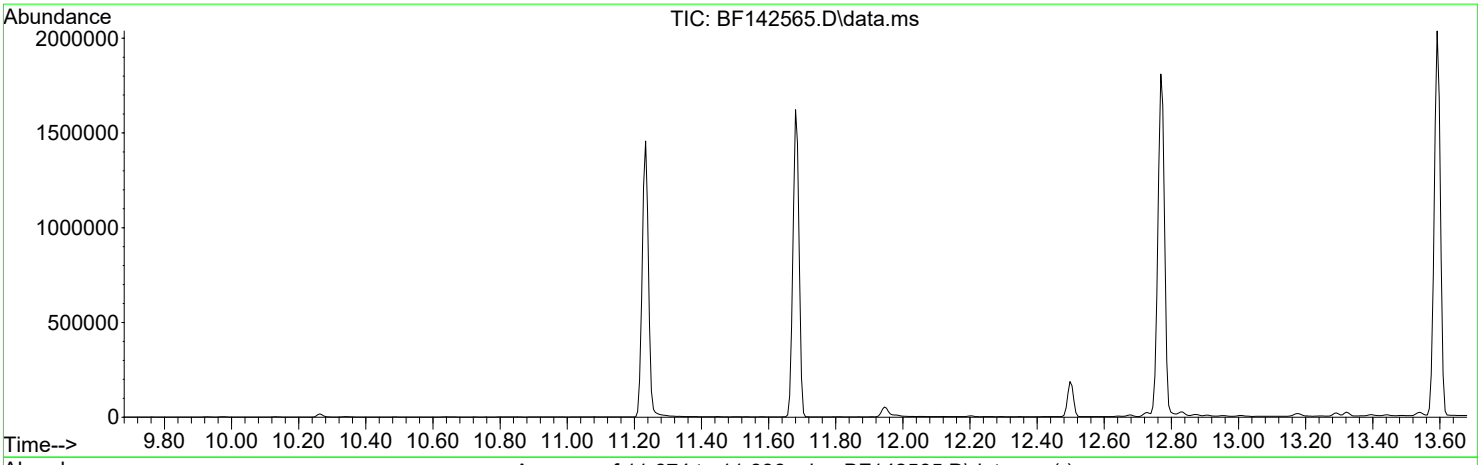
Sample Results: **BF142565.D**

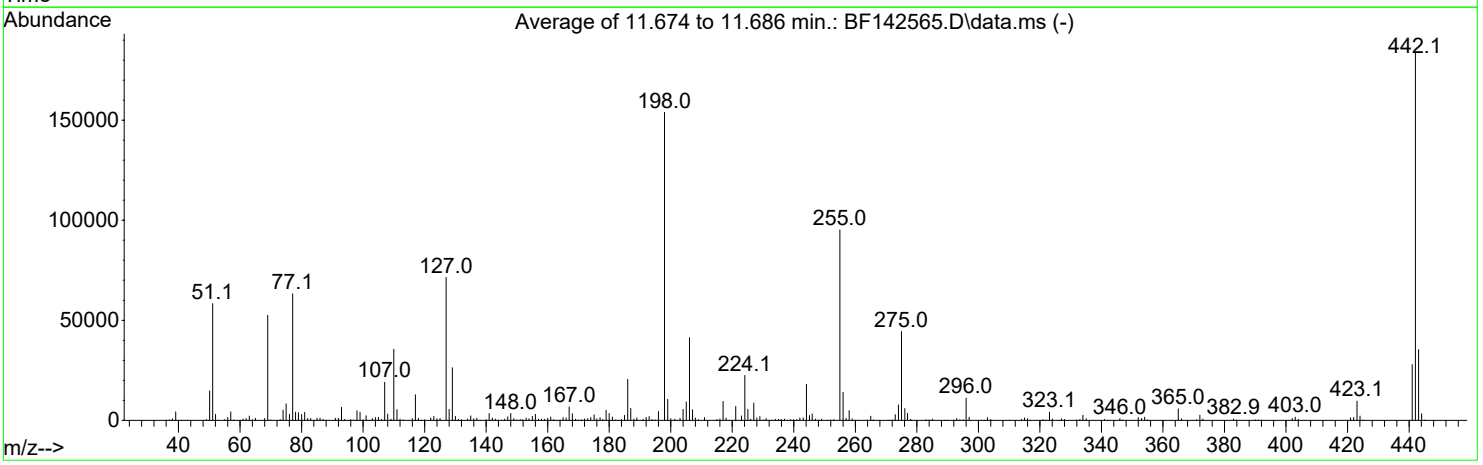
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142565.D
Acq On : 30 May 2025 12:23
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 20 16:26:47 2025





AutoFind: Scans 1612, 1613, 1614; Background Corrected with Scan 1606

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	37.9	58331	PASS
68	69	0.00	2	1.8	964	PASS
69	198	0.00	100	34.2	52549	PASS
70	69	0.00	2	0.5	281	PASS
127	198	10	80	46.4	71373	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	153872	PASS
199	198	5	9	6.8	10478	PASS
275	198	10	60	28.8	44389	PASS
365	198	1	100	3.8	5787	PASS
441	198	0.01	100	18.2	27936	PASS
442	442	50	100	100.0	183816	PASS
443	442	15	24	19.2	35315	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
5/30/2025	BNA_F	BF142565.D
Compound Name	**Response**	**Retention Time**
DDT	529591	13.592
DDD	11584	13.321
DDE	806	12.957
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
12390	541981	2.29

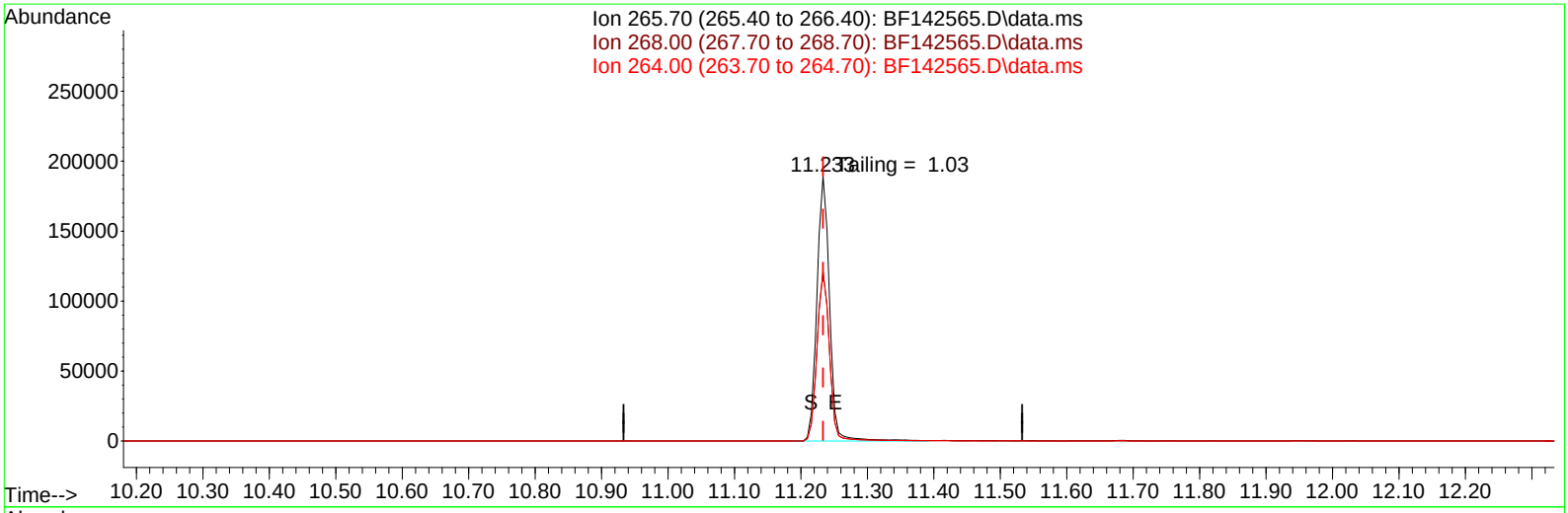
Instrument :
BNA_F
ClientSampleId :
DFTPP

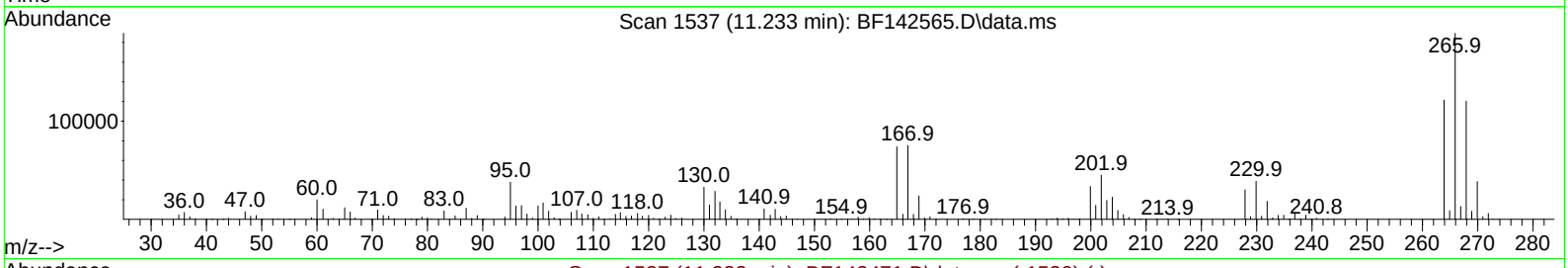
Sample Results: **BF142565.D**

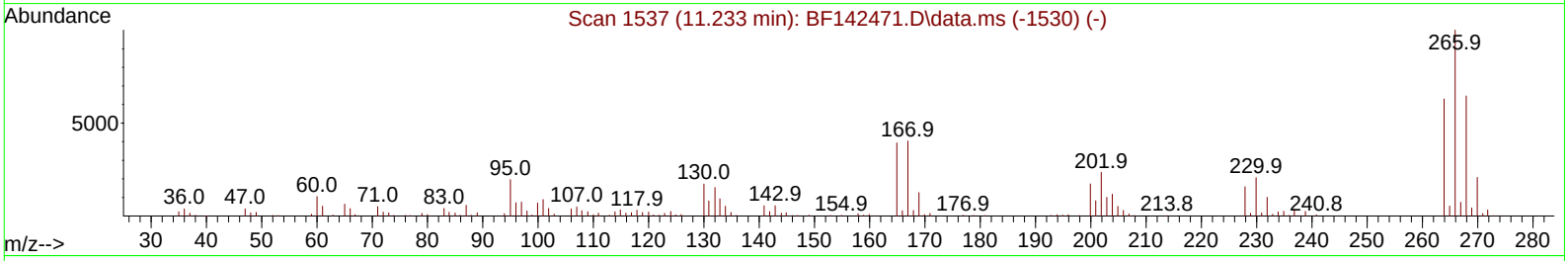
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142565.D
Acq On : 30 May 2025 12:23
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: May 30 13:07:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration







TIC: BF142565.D\data.ms

(70) Pentachlorophenol (C)

11.233min (+ 0.000) 56283.72 ng

response 248099

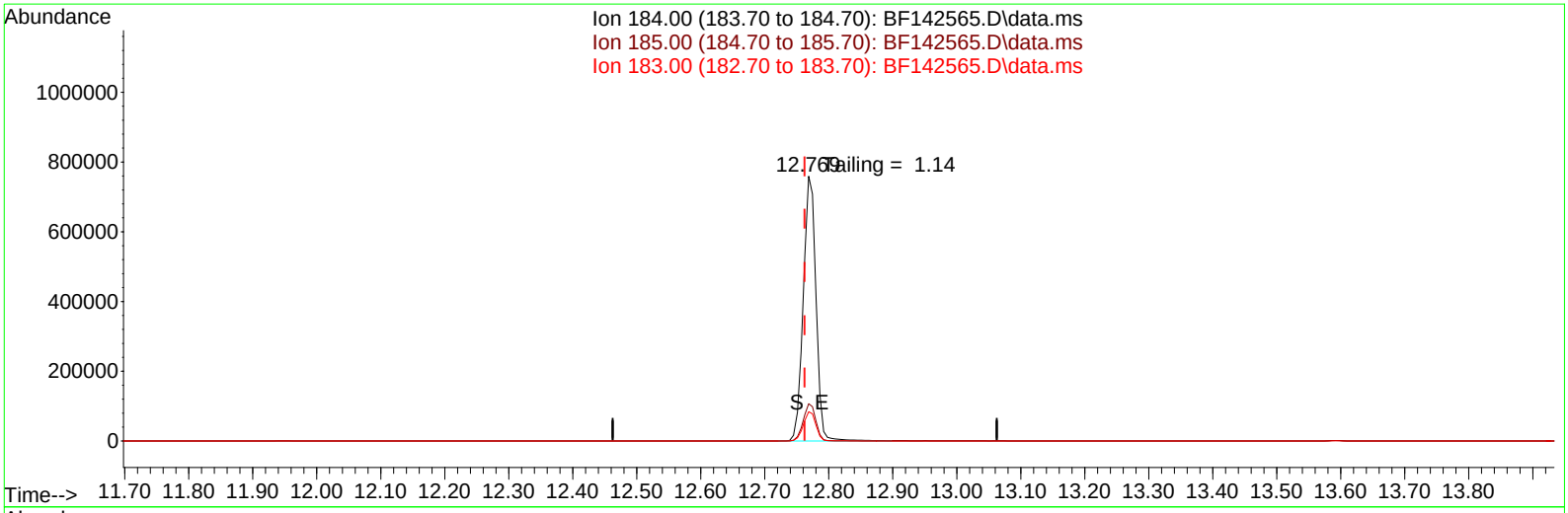
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.60	63.62
264.00	63.00	64.21
0.00	0.00	0.00

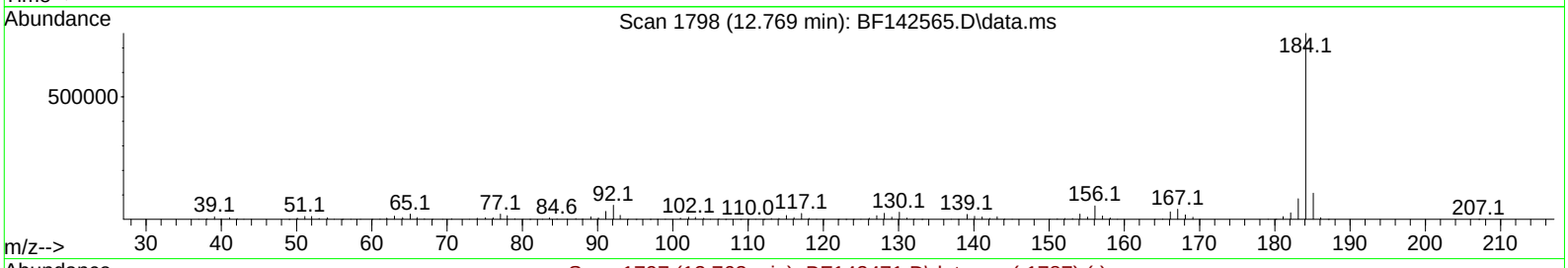
Sample Results: **BF142565.D**

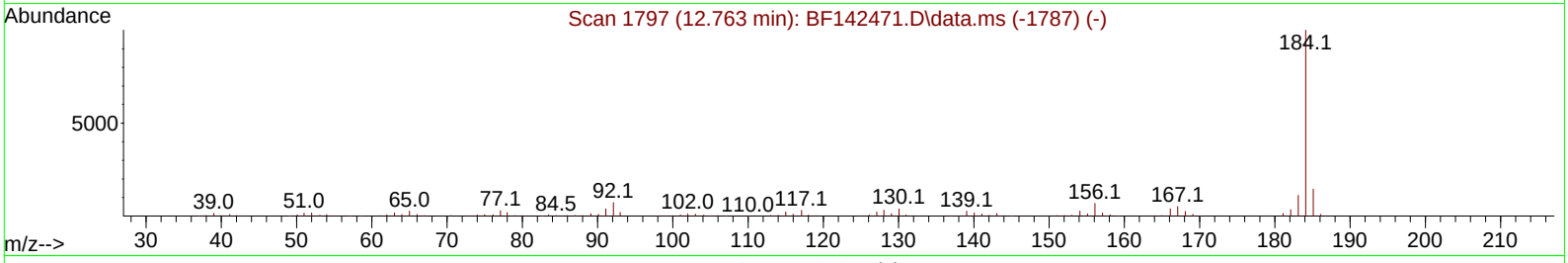
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142565.D
Acq On : 30 May 2025 12:23
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: May 30 13:07:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration







TIC: BF142565.D\data.ms

(77) Benzidine

12.769min (+ 0.006) 59056.94 ng

response 1057087

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	14.09
183.00	11.20	11.08
0.00	0.00	0.00

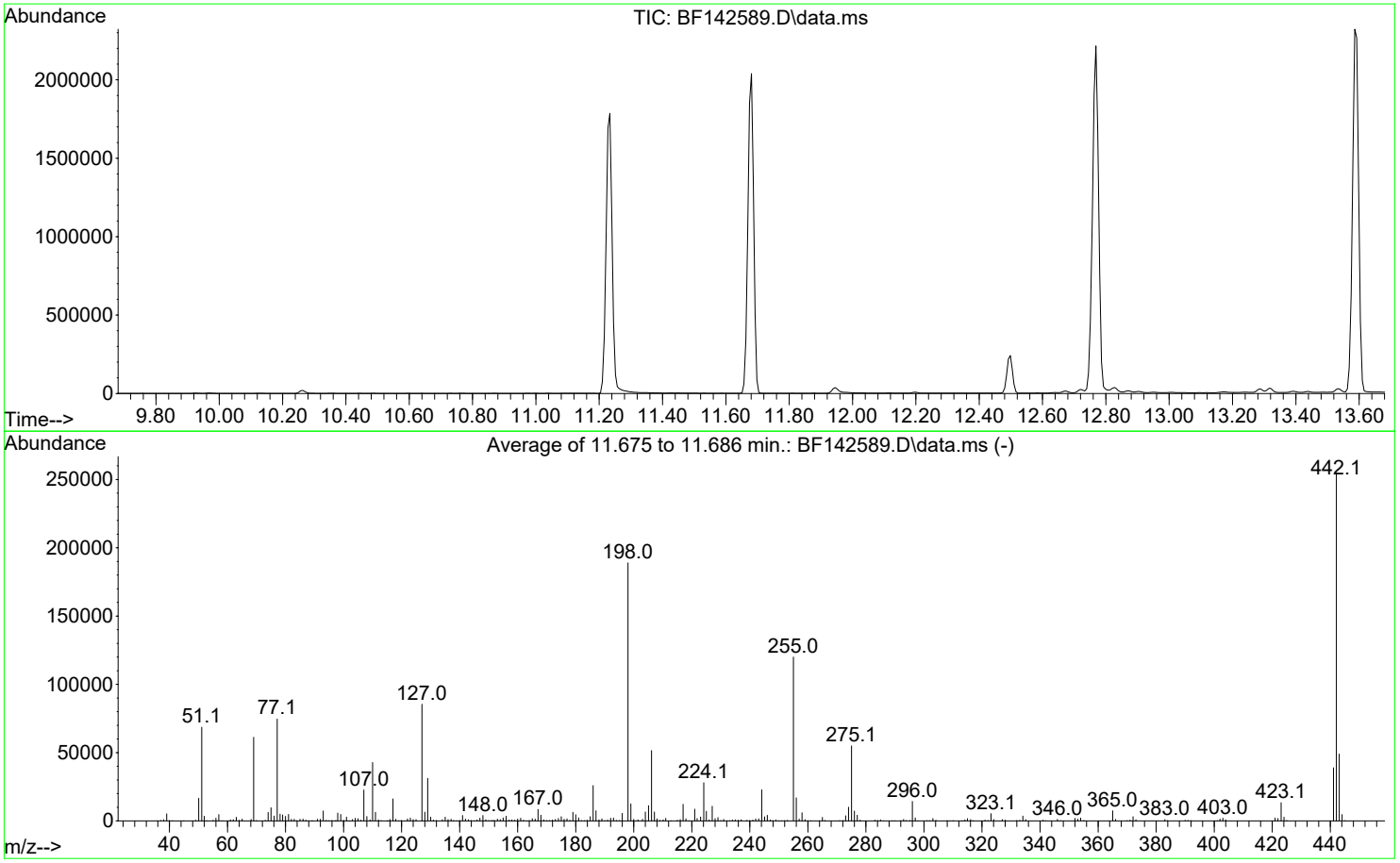
Sample Results: **BF142589.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142589.D
Acq On : 02 Jun 2025 11:01
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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 20 16:26:47 2025



AutoFind: Scans 1612, 1613, 1614; Background Corrected with Scan 1605

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	36.3	68579	PASS
68	69	0.00	2	1.8	1095	PASS
69	198	0.00	100	32.4	61195	PASS
70	69	0.00	2	0.6	380	PASS
127	198	10	80	45.2	85403	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	188992	PASS
199	198	5	9	6.6	12531	PASS
275	198	10	60	29.1	54928	PASS
365	198	1	100	3.9	7435	PASS
441	198	0.01	100	20.6	38853	PASS
442	442	50	100	100.0	254059	PASS
443	442	15	24	19.3	49003	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
6/2/2025	BNA_F	BF142589.D
Compound Name	**Response**	**Retention Time**
DDT	635948	13.592
DDD	13787	13.316
DDE	1005	12.951
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
14792	650740	2.27

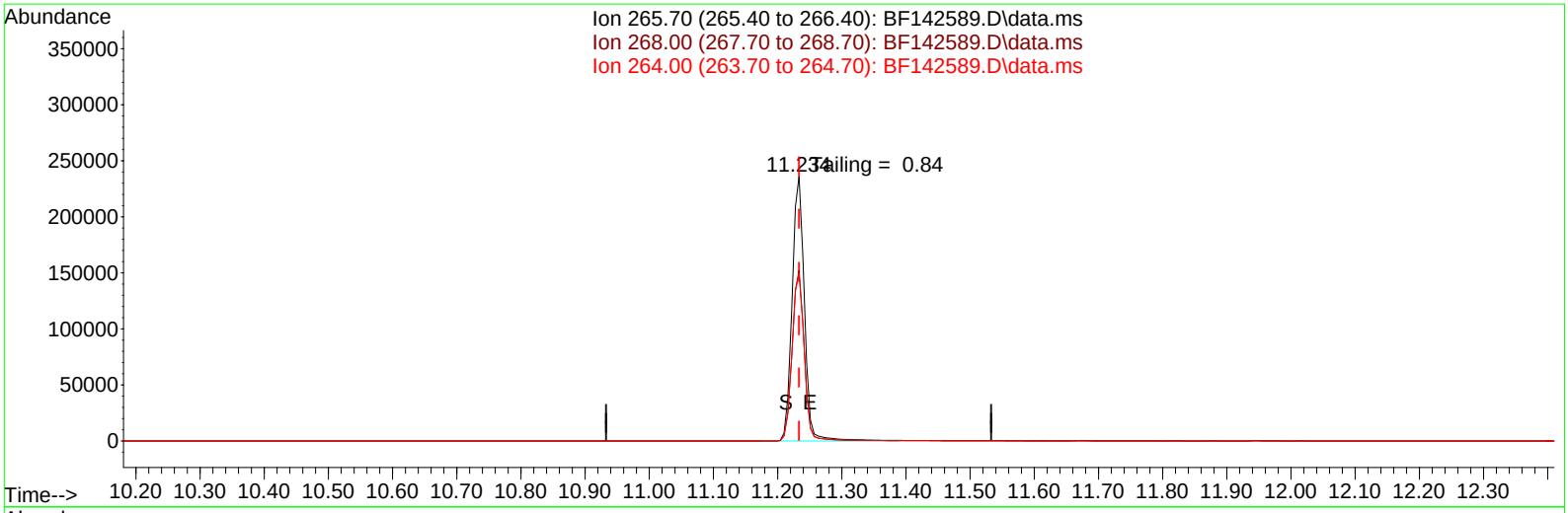
Instrument :
BNA_F
ClientSampleId :
DFTPP

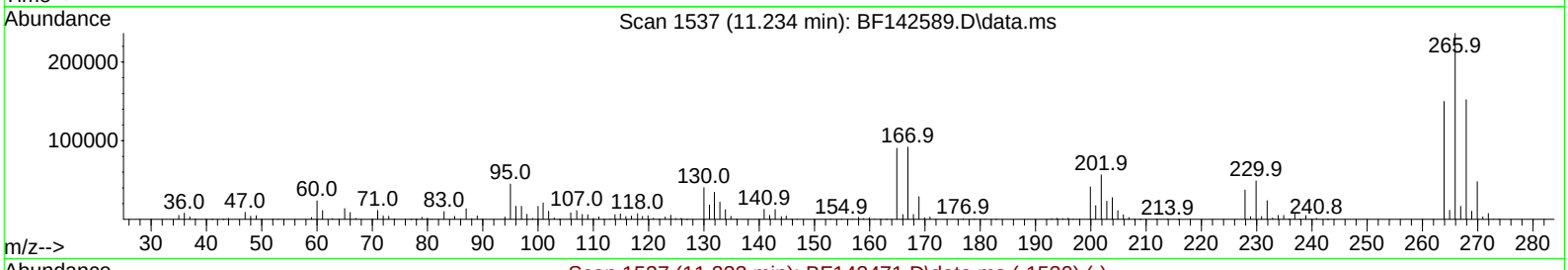
Sample Results: **BF142589.D**

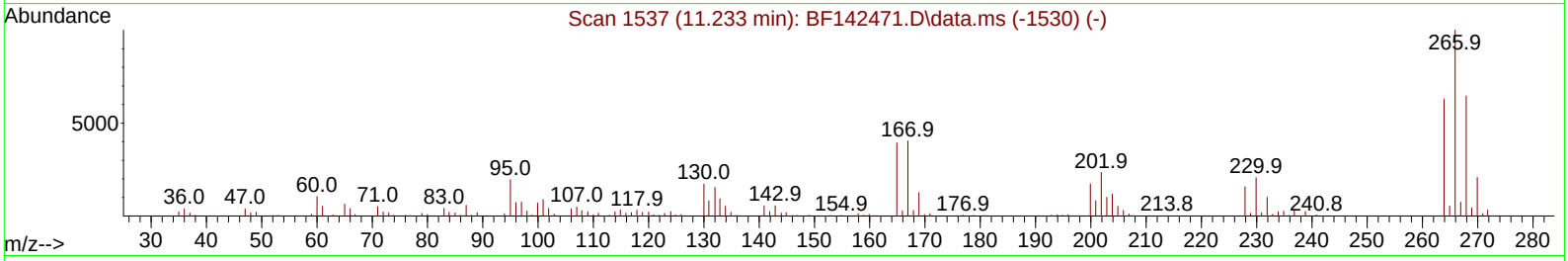
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142589.D
Acq On : 02 Jun 2025 11:01
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 02 12:45:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration







TIC: BF142589.D\data.ms

(70) Pentachlorophenol (C)

11.234min (+ 0.000) 81847.51 ng m

response 317877

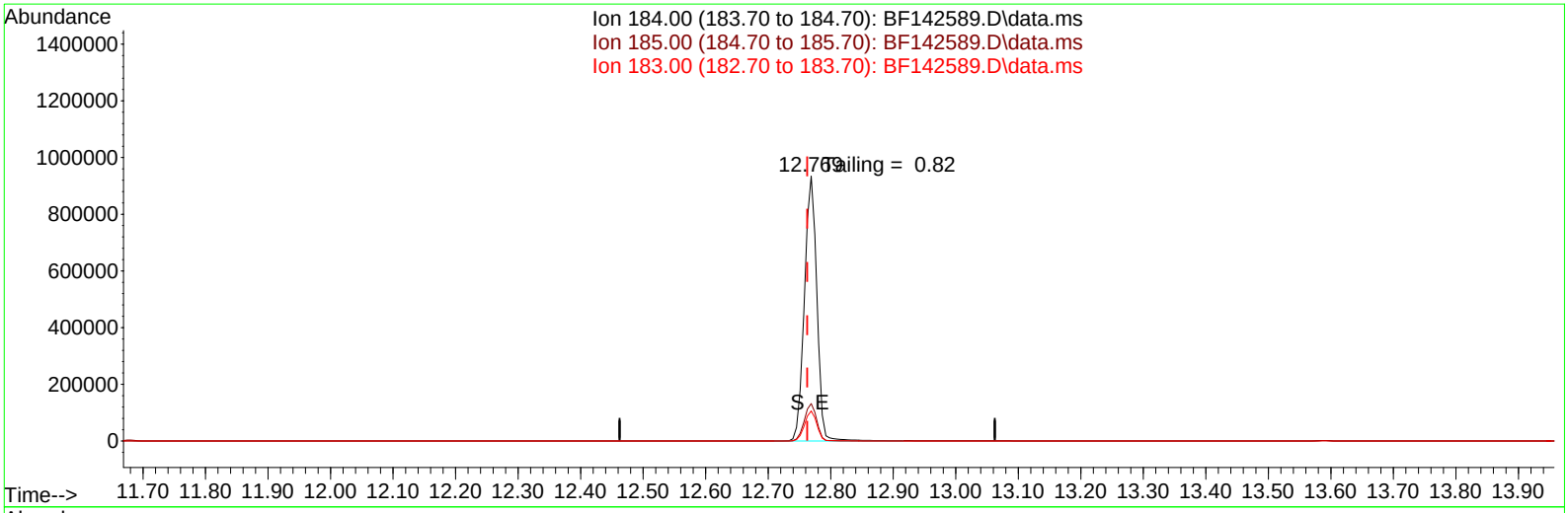
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.60	64.41
264.00	63.00	63.41
0.00	0.00	0.00

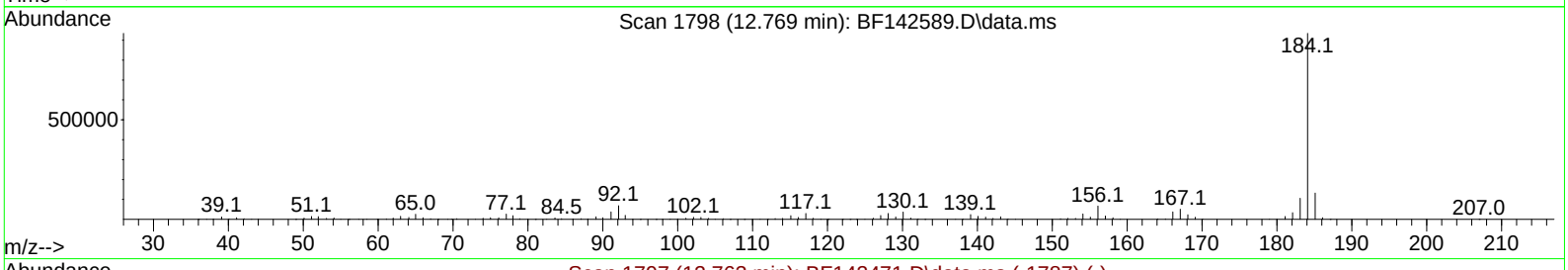
Sample Results: **BF142589.D**

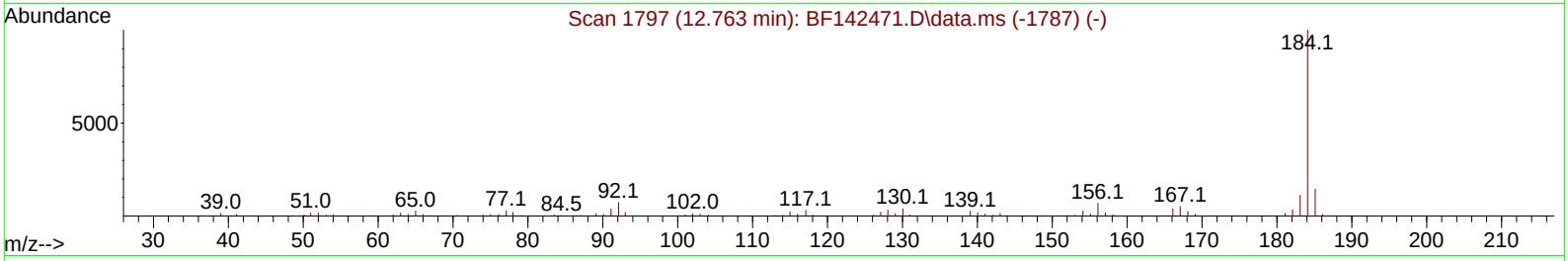
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142589.D
Acq On : 02 Jun 2025 11:01
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 02 12:45:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration







TIC: BF142589.D\data.ms

(77) Benzidine

12.769min (+ 0.006) 63416.49 ng

response 1295595

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	14.12
183.00	11.20	11.33
0.00	0.00	0.00

Raw Data: **BF142591.D**

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

Report of Analysis

Client:	Aramark Uniforms	Date Collected:	
Project:	Waste Characterization	Date Received:	
Client Sample ID:	PB168219BL	SDG No.:	Q2149
Lab Sample ID:	PB168219BL	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142591.D	1	05/30/25 09:52	06/02/25 11:59	PB168219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.30	U	1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.53	U	0.53	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	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
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	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
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	120		23 - 138	80%	SPK: 150
13127-88-3	Phenol-d6	120		10 - 134	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	74.7		67 - 132	75%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.6		52 - 132	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	124		44 - 137	83%	SPK: 150
1718-51-0	Terphenyl-d14	69.7		42 - 152	70%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	123000	6.898			
1146-65-2	Naphthalene-d8	477000	8.181			
15067-26-2	Acenaphthene-d10	265000	9.939			
1517-22-2	Phenanthrene-d10	487000	11.427			
1719-03-5	Chrysene-d12	318000	14.068			
1520-96-3	Perylene-d12	262000	15.562			

Raw Data: **BF142591.D**

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

Report of Analysis

Client:	Aramark Uniforms			Date Collected:	
Project:	Waste Characterization			Date Received:	
Client Sample ID:	PB168219BL			SDG No.:	Q2149
Lab Sample ID:	PB168219BL			Matrix:	TCLP
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142591.D	1	05/30/25 09:52	06/02/25 11:59	PB168219

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\BF060225\
Data File : BF142591.D
Acq On : 02 Jun 2025 11:59
Operator : RC/JU
Sample : PB168219BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168219BL

Quant Time: Jun 02 12:43:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	123394	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	476779	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	264921	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	486581	20.000	ng	0.00
76) Chrysene-d12	14.068	240	317589	20.000	ng	0.00
86) Perylene-d12	15.562	264	262091	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	878104	119.892	ng	0.00
7) Phenol-d6	6.522	99	1054123	119.562	ng	-0.01
23) Nitrobenzene-d5	7.457	82	652840	74.665	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	365230	124.216	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1414422	71.642	ng	-0.01
79) Terphenyl-d14	13.016	244	1619103	69.668	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142591.D
Acq On : 02 Jun 2025 11:59
Operator : RC/JU
Sample : PB168219BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168219BL

Quant Time: Jun 02 12:43:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
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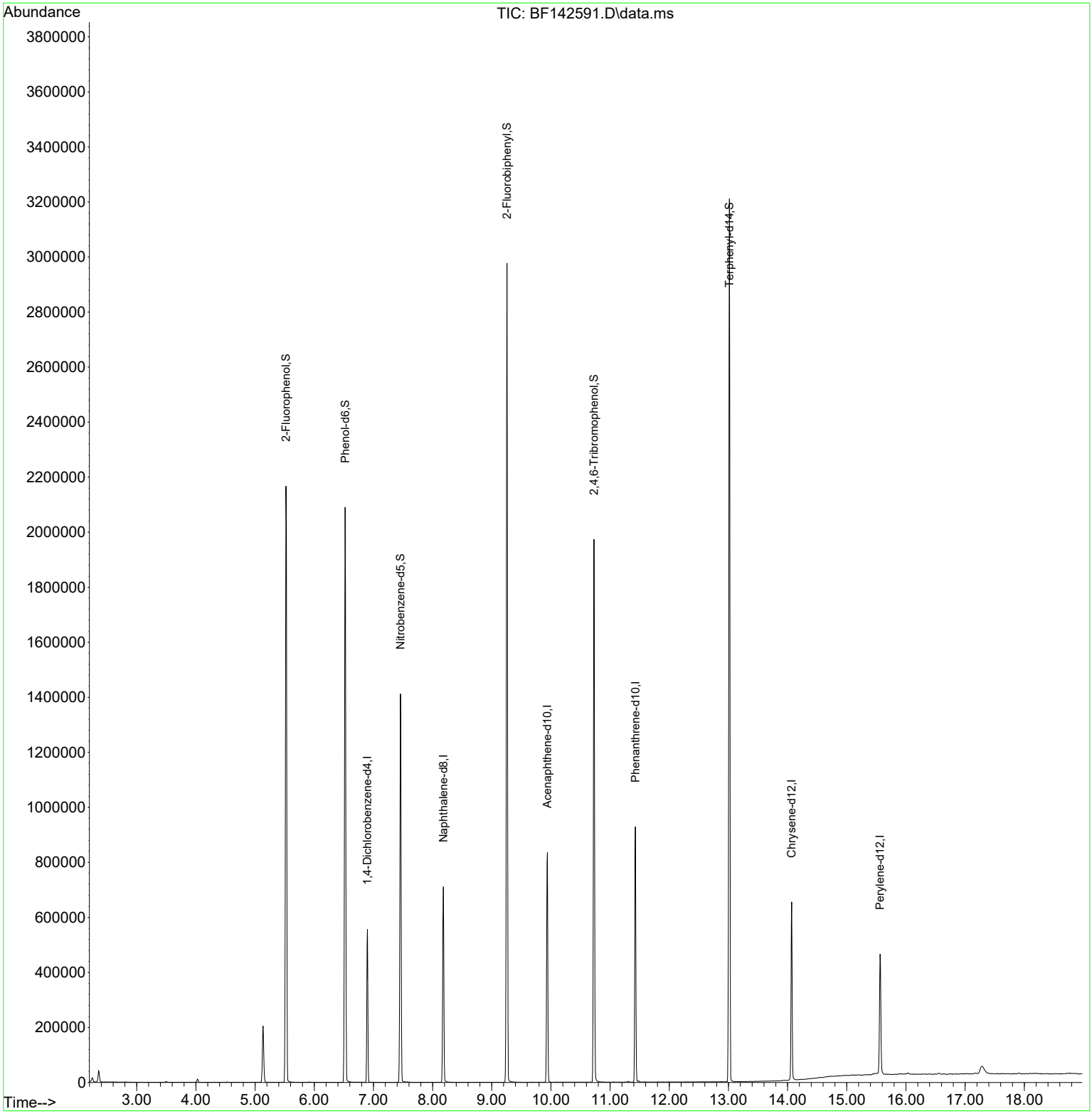
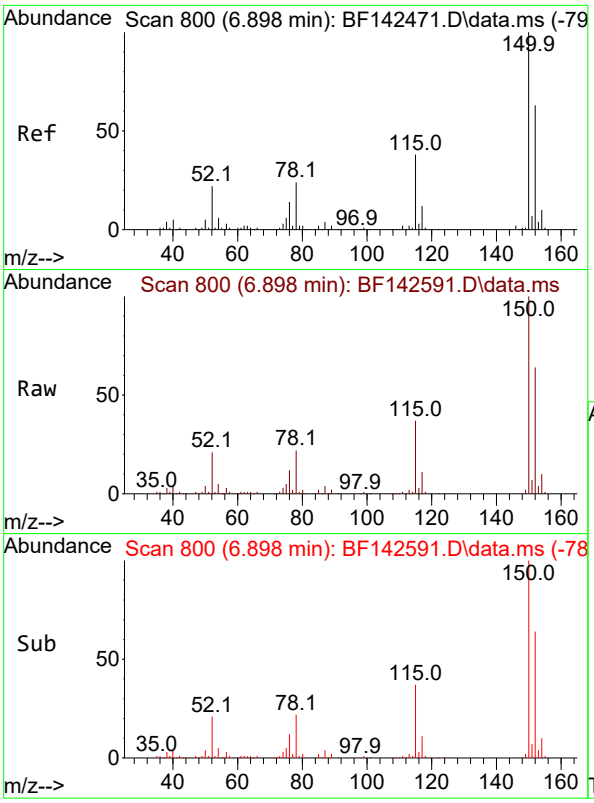


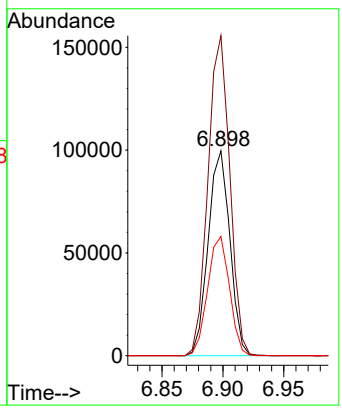


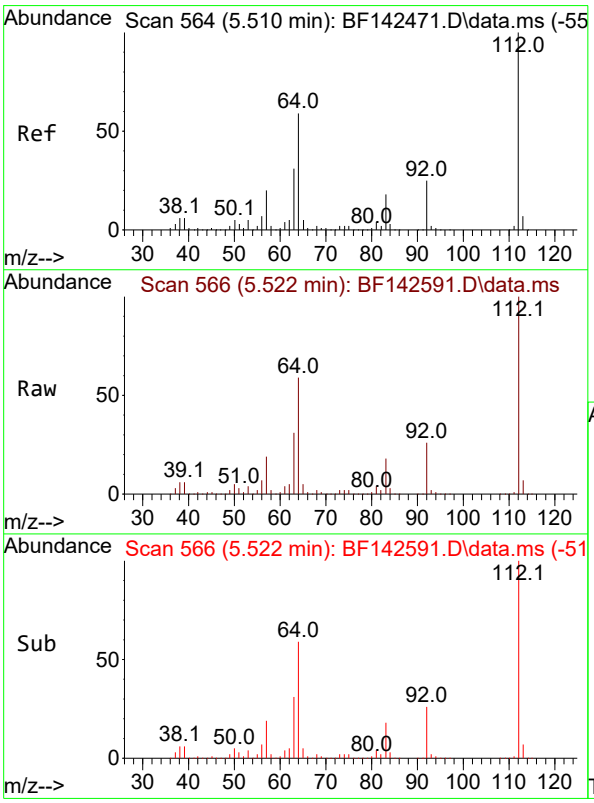
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142591.D
Acq: 02 Jun 2025 11:59

Instrument :
BNA_F
ClientSampleId :
PB168219BL

Tgt Ion:152 Resp: 123394

Ion	Ratio	Lower	Upper
152	100		
150	156.3	128.2	192.4
115	58.2	48.3	72.5

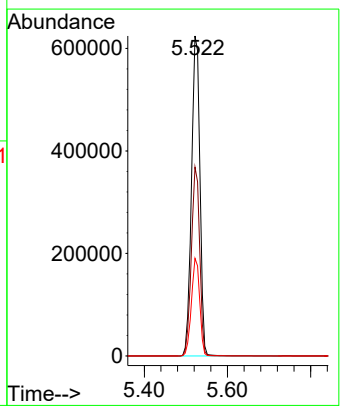


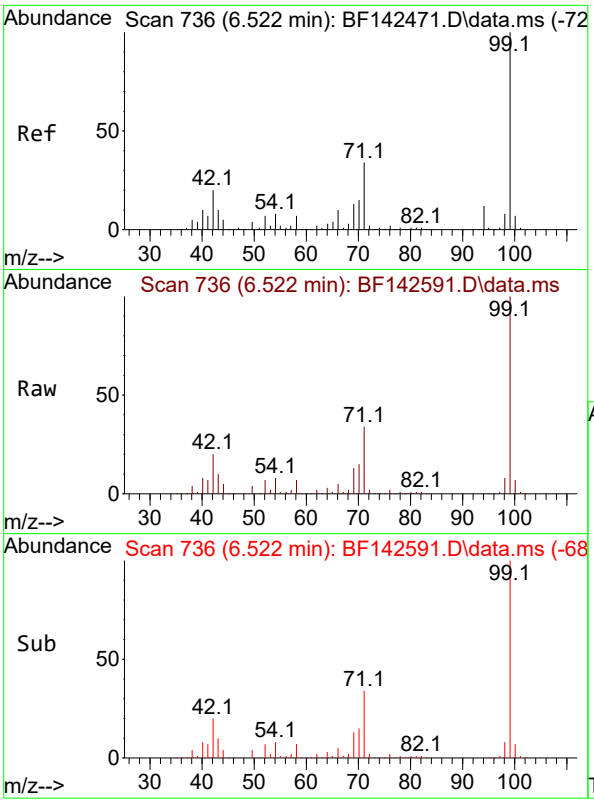


#5
2-Fluorophenol
Concen: 119.892 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.006 min
Lab File: BF142591.D
Acq: 02 Jun 2025 11:59

Tgt Ion:112 Resp: 878104

Ion	Ratio	Lower	Upper
112	100		
64	59.0	47.5	71.3
63	30.5	24.9	37.3



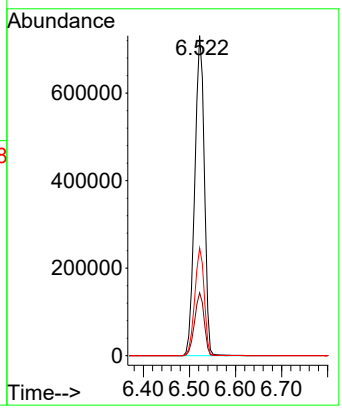


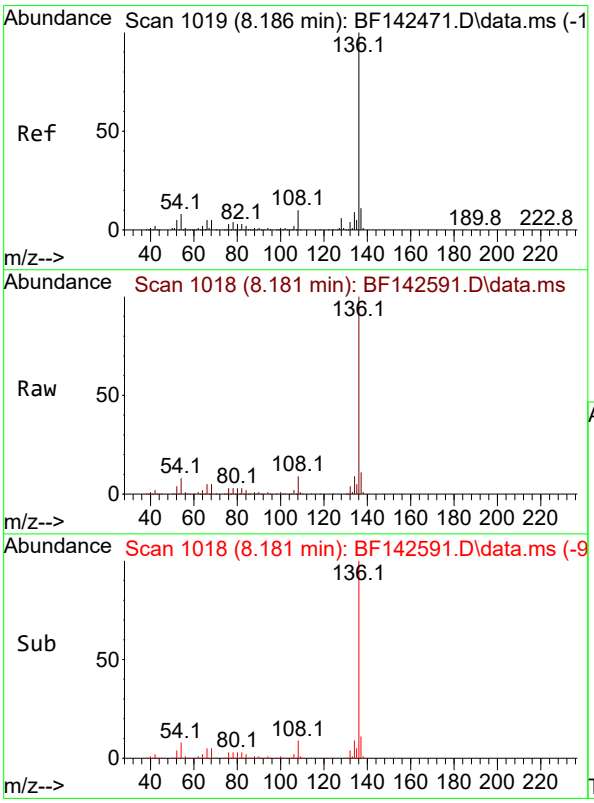
#7
Phenol-d6
Concen: 119.562 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142591.D
Acq: 02 Jun 2025 11:59

Instrument :
BNA_F
ClientSampleId :
PB168219BL

Tgt Ion: 99 Resp: 1054123

Ion	Ratio	Lower	Upper
99	100		
42	19.6	16.2	24.2
71	33.7	27.3	40.9

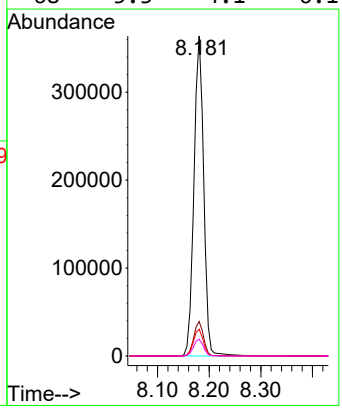


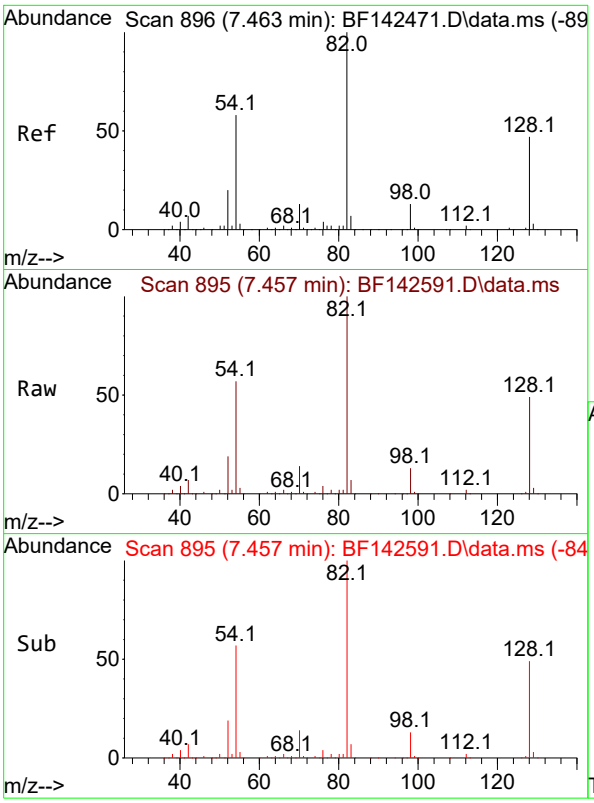


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142591.D
Acq: 02 Jun 2025 11:59

Tgt Ion:136 Resp: 476779

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.4	6.6	10.0
68	5.3	4.1	6.1



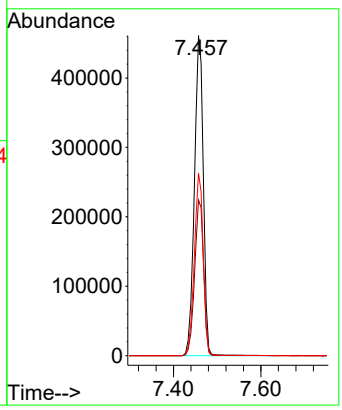


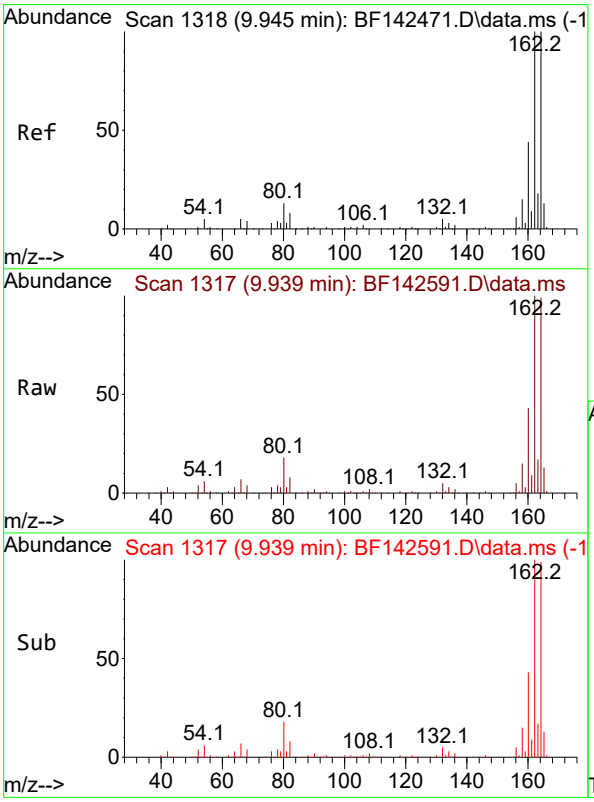
#23
Nitrobenzene-d5
Concen: 74.665 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142591.D
Acq: 02 Jun 2025 11:59

Instrument :
BNA_F
ClientSampleId :
PB168219BL

Tgt Ion: 82 Resp: 652840

Ion	Ratio	Lower	Upper
82	100		
128	48.6	37.4	56.2
54	57.1	46.6	70.0

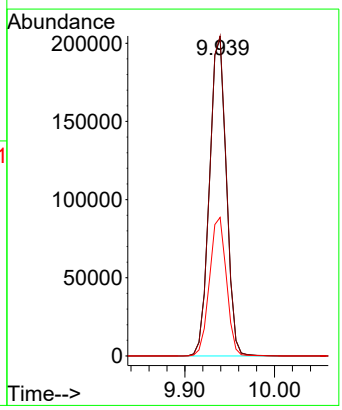


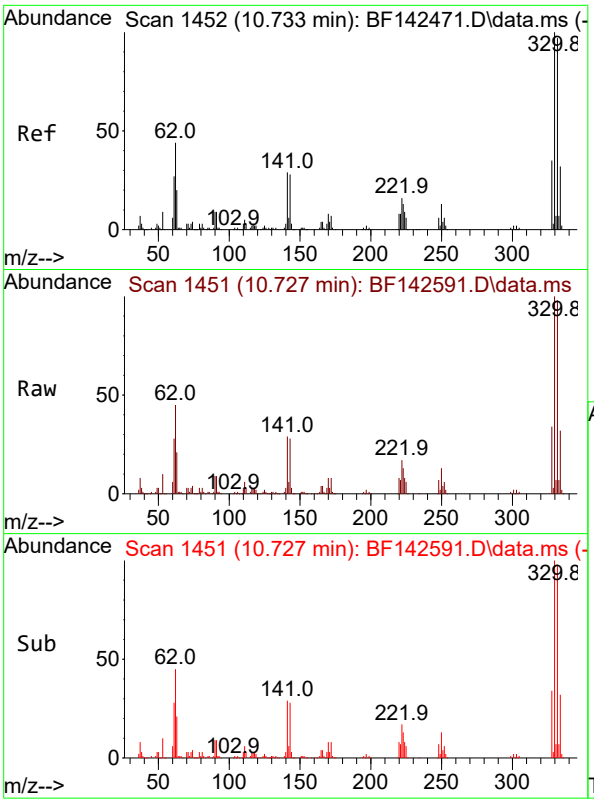


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142591.D
Acq: 02 Jun 2025 11:59

Tgt Ion:164 Resp: 264921

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.2	120.4
160	43.6	35.6	53.4



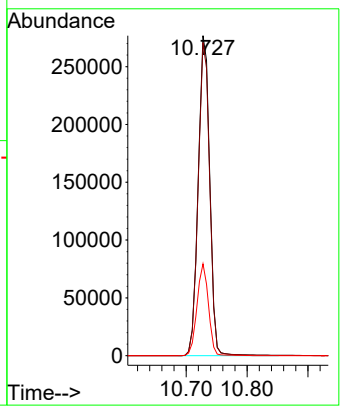


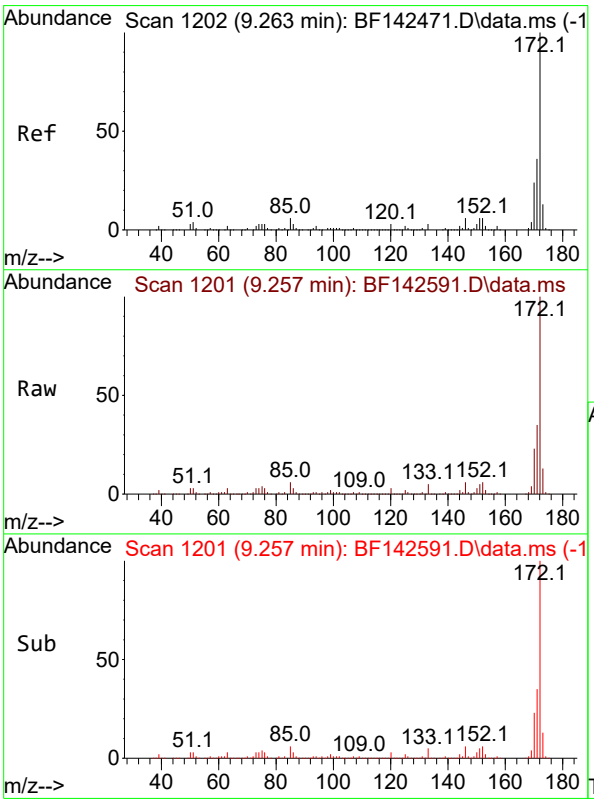
#42
2,4,6-Tribromophenol
Concen: 124.216 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142591.D
Acq: 02 Jun 2025 11:59

Instrument :
BNA_F
ClientSampleId :
PB168219BL

Tgt Ion:330 Resp: 365230

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.6	116.4
141	28.4	24.6	36.8

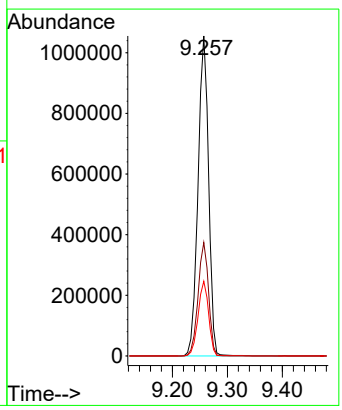


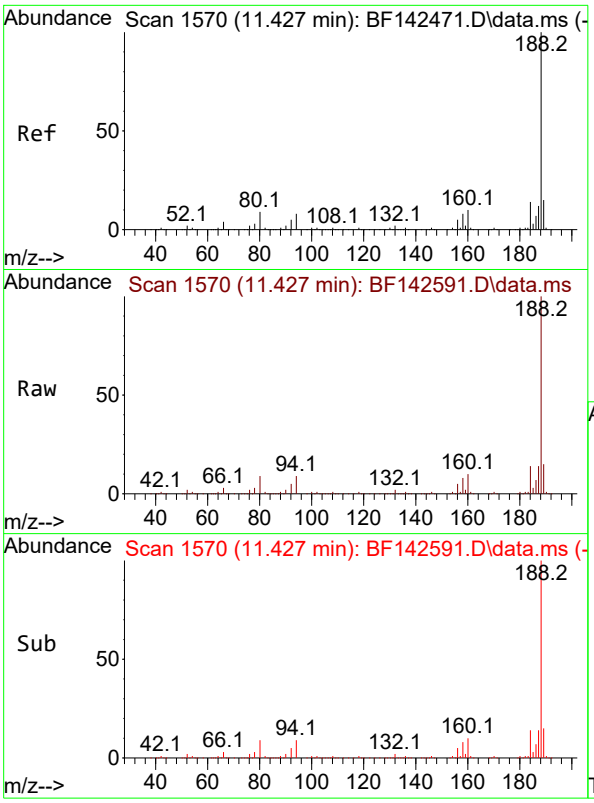


#45
2-Fluorobiphenyl
Concen: 71.642 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142591.D
Acq: 02 Jun 2025 11:59

Tgt Ion:172 Resp: 1414422

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	42.8
170	23.4	18.9	28.3



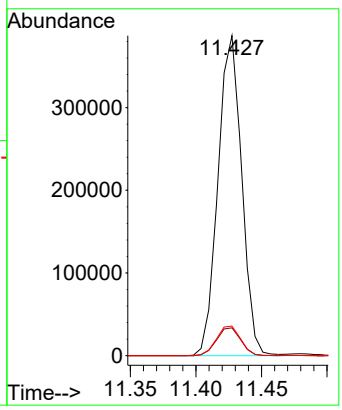


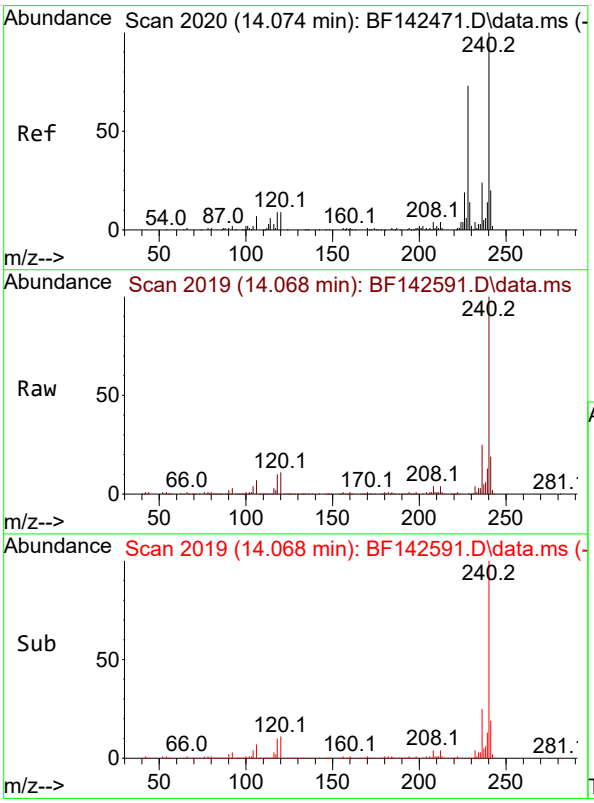
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142591.D
Acq: 02 Jun 2025 11:59

Instrument :
BNA_F
ClientSampleId :
PB168219BL

Tgt Ion:188 Resp: 486581

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.3	7.4	11.0

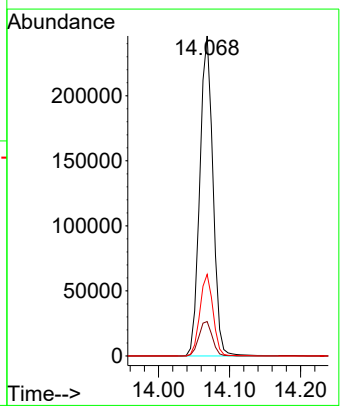


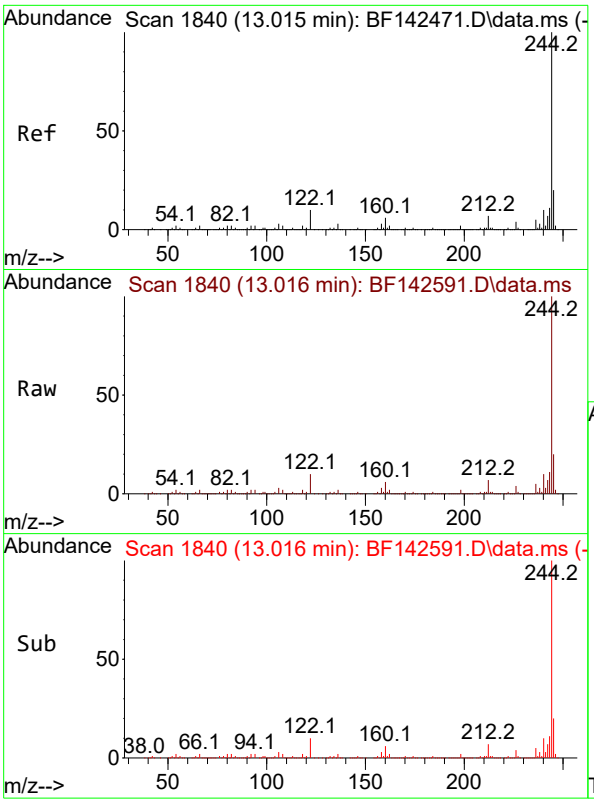


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142591.D
Acq: 02 Jun 2025 11:59

Tgt Ion:240 Resp: 317589

Ion	Ratio	Lower	Upper
240	100		
120	10.8	7.5	11.3
236	25.5	19.6	29.4



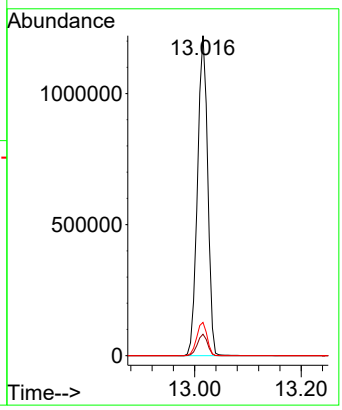


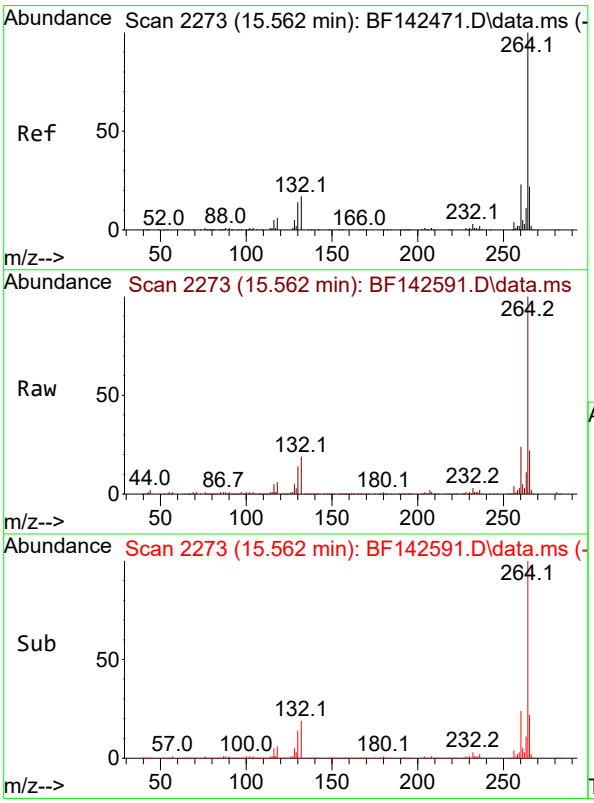
#79
Terphenyl-d14
Concen: 69.668 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142591.D
Acq: 02 Jun 2025 11:59

Instrument :
BNA_F
ClientSampleId :
PB168219BL

Tgt Ion:244 Resp: 1619103

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	10.4	8.2	12.2

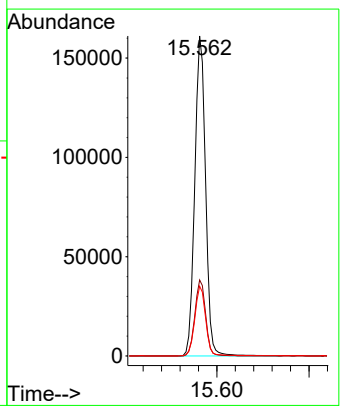




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142591.D
Acq: 02 Jun 2025 11:59

Tgt Ion:264 Resp: 262091

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	28.0
265	21.8	17.7	26.5



Raw Data: **BF142592.D**

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

Report of Analysis

Client:	Aramark Uniforms	Date Collected:	
Project:	Waste Characterization	Date Received:	
Client Sample ID:	PB168219BS	SDG No.:	Q2149
Lab Sample ID:	PB168219BS	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142592.D	1	05/30/25 09:52	06/02/25 12:28	PB168219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	40.1		1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	42.1		0.53	5.00	ug/L
95-48-7	2-Methylphenol	43.7		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	42.0		1.10	10.0	ug/L
67-72-1	Hexachloroethane	42.1		0.65	5.00	ug/L
98-95-3	Nitrobenzene	42.1		0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	41.5		0.54	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	42.7		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	43.7		0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	47.7		1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	42.5		0.52	5.00	ug/L
87-86-5	Pentachlorophenol	85.2	E	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	122		23 - 138	81%	SPK: 150
13127-88-3	Phenol-d6	123		10 - 134	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.3		67 - 132	75%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.0		52 - 132	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	126		44 - 137	84%	SPK: 150
1718-51-0	Terphenyl-d14	76.9		42 - 152	77%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	124000	6.898			
1146-65-2	Naphthalene-d8	484000	8.181			
15067-26-2	Acenaphthene-d10	270000	9.939			
1517-22-2	Phenanthrene-d10	469000	11.428			
1719-03-5	Chrysene-d12	247000	14.074			
1520-96-3	Perylene-d12	265000	15.568			

Raw Data: **BF142592.D**

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

Report of Analysis

Client:	Aramark Uniforms			Date Collected:	
Project:	Waste Characterization			Date Received:	
Client Sample ID:	PB168219BS			SDG No.:	Q2149
Lab Sample ID:	PB168219BS			Matrix:	TCLP
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142592.D	1	05/30/25 09:52	06/02/25 12:28	PB168219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **BF142592.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142592.D
Acq On : 02 Jun 2025 12:28
Operator : RC/JU
Sample : PB168219BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 02 13:07:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168219BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	123772	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	484044	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	269556	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	469369	20.000	ng	0.00
76) Chrysene-d12	14.074	240	247434	20.000	ng	0.00
86) Perylene-d12	15.568	264	265001	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	893728	121.652	ng	0.01
7) Phenol-d6	6.528	99	1090393	123.298	ng	0.00
23) Nitrobenzene-d5	7.463	82	668024	75.255	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	377621	126.222	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1425411	70.958	ng	-0.01
79) Terphenyl-d14	13.016	244	1391721	76.863	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.763	88	107857	36.688	ng	99
3) Pyridine	3.516	79	300091	40.085	ng	98
4) n-Nitrosodimethylamine	3.475	42	159932	41.145	ng	90
6) Aniline	6.563	93	348958	29.347	ng	99
8) 2-Chlorophenol	6.681	128	351526	43.930	ng	99
9) Benzaldehyde	6.451	77	182656	34.340	ng	99
10) Phenol	6.545	94	416881	41.894	ng	95
11) bis(2-Chloroethyl)ether	6.634	93	311938	43.549	ng	99
12) 1,3-Dichlorobenzene	6.840	146	370373	41.479	ng	98
13) 1,4-Dichlorobenzene	6.916	146	378451	42.077	ng	99
14) 1,2-Dichlorobenzene	7.069	146	362468	42.116	ng	99
15) Benzyl Alcohol	7.040	79	280457	42.914	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	505428	42.017	ng	95
17) 2-Methylphenol	7.151	107	272793	43.664	ng	99
18) Hexachloroethane	7.410	117	132072	42.052	ng	98
19) n-Nitroso-di-n-propyla...	7.310	70	225840	41.205	ng	99
20) 3+4-Methylphenols	7.304	107	336295	42.034	ng	98
22) Acetophenone	7.310	105	446769	41.695	ng	99
24) Nitrobenzene	7.481	77	337169	42.114	ng	100
25) Isophorone	7.722	82	623535	42.013	ng	98
26) 2-Nitrophenol	7.798	139	187806	43.901	ng	97
27) 2,4-Dimethylphenol	7.834	122	328468	43.539	ng	99
28) bis(2-Chloroethoxy)met...	7.928	93	394805	42.584	ng	99
29) 2,4-Dichlorophenol	8.039	162	299753	43.690	ng	100
30) 1,2,4-Trichlorobenzene	8.122	180	315137	42.324	ng	98
31) Naphthalene	8.204	128	1002770	42.073	ng	100
32) Benzoic acid	7.957	122	213999	46.599	ng	98
33) 4-Chloroaniline	8.251	127	147699	15.293	ng	99
34) Hexachlorobutadiene	8.322	225	192731	41.455	ng	100
35) Caprolactam	8.622	113	95883m	49.760	ng	
36) 4-Chloro-3-methylphenol	8.734	107	305966	43.515	ng	96
37) 2-Methylnaphthalene	8.898	142	630036	42.018	ng	100
38) 1-Methylnaphthalene	8.998	142	654235	42.182	ng	100
40) 1,2,4,5-Tetrachloroben...	9.063	216	318323	41.139	ng	99
41) Hexachlorocyclopentadiene	9.051	237	421008	80.655	ng	98
43) 2,4,6-Trichlorophenol	9.175	196	222630	42.668	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142592.D
Acq On : 02 Jun 2025 12:28
Operator : RC/JU
Sample : PB168219BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 02 13:07:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168219BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	240616	43.726	ng	97
46) 1,1'-Biphenyl	9.363	154	860487	41.147	ng	100
47) 2-Chloronaphthalene	9.386	162	640633	41.462	ng	98
48) 2-Nitroaniline	9.481	65	193882	43.413	ng	97
49) Acenaphthylene	9.804	152	1084254	41.558	ng	99
50) Dimethylphthalate	9.663	163	777119	43.692	ng	100
51) 2,6-Dinitrotoluene	9.722	165	173662	45.238	ng	99
52) Acenaphthene	9.975	154	735378	46.159	ng	99
53) 3-Nitroaniline	9.892	138	95180	22.700	ng	98
54) 2,4-Dinitrophenol	10.004	184	198936	100.306	ng	92
55) Dibenzofuran	10.145	168	955548	41.680	ng	99
56) 4-Nitrophenol	10.057	139	287048	92.784	ng	97
57) 2,4-Dinitrotoluene	10.128	165	239370	47.746	ng	99
58) Fluorene	10.492	166	748620	42.268	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	201778	43.923	ng	100
60) Diethylphthalate	10.363	149	759799	43.740	ng	99
61) 4-Chlorophenyl-phenyle...	10.481	204	365251	41.981	ng	97
62) 4-Nitroaniline	10.510	138	178824	47.025	ng	96
63) Azobenzene	10.639	77	669643	42.920	ng	98
65) 4,6-Dinitro-2-methylph...	10.539	198	128630	49.106	ng	96
66) n-Nitrosodiphenylamine	10.598	169	665183	41.424	ng	99
67) 4-Bromophenyl-phenylether	10.975	248	232770	41.941	ng	96
68) Hexachlorobenzene	11.039	284	260699	42.470	ng	99
69) Atrazine	11.128	200	206186	48.348	ng	99
70) Pentachlorophenol	11.233	266	295434	85.247	ng	99
71) Phenanthrene	11.457	178	1052855	41.973	ng	100
72) Anthracene	11.510	178	1082231	42.274	ng	99
73) Carbazole	11.657	167	964924	44.090	ng	100
74) Di-n-butylphthalate	11.986	149	1105835	46.162	ng	100
75) Fluoranthene	12.645	202	1034243	44.126	ng	98
77) Benzidine	12.763	184	298141	32.379	ng	99
78) Pyrene	12.874	202	1021768	44.267	ng	100
80) Butylbenzylphthalate	13.486	149	328403	51.490	ng	99
81) Benzo(a)anthracene	14.063	228	731754	44.288	ng	98
82) 3,3'-Dichlorobenzidine	14.021	252	109138	21.778	ng	99
83) Chrysene	14.098	228	647743	43.629	ng	99
84) Bis(2-ethylhexyl)phtha...	14.045	149	408375	50.017	ng	99
85) Di-n-octyl phthalate	14.657	149	702044	43.975	ng	99
87) Indeno(1,2,3-cd)pyrene	17.086	276	846572	42.553	ng	99
88) Benzo(b)fluoranthene	15.127	252	668530	42.625	ng	99
89) Benzo(k)fluoranthene	15.157	252	654833	44.577	ng	99
90) Benzo(a)pyrene	15.504	252	649734	43.949	ng	99
91) Dibenzo(a,h)anthracene	17.104	278	689215	42.714	ng	99
92) Benzo(g,h,i)perylene	17.545	276	676410	41.912	ng	98

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

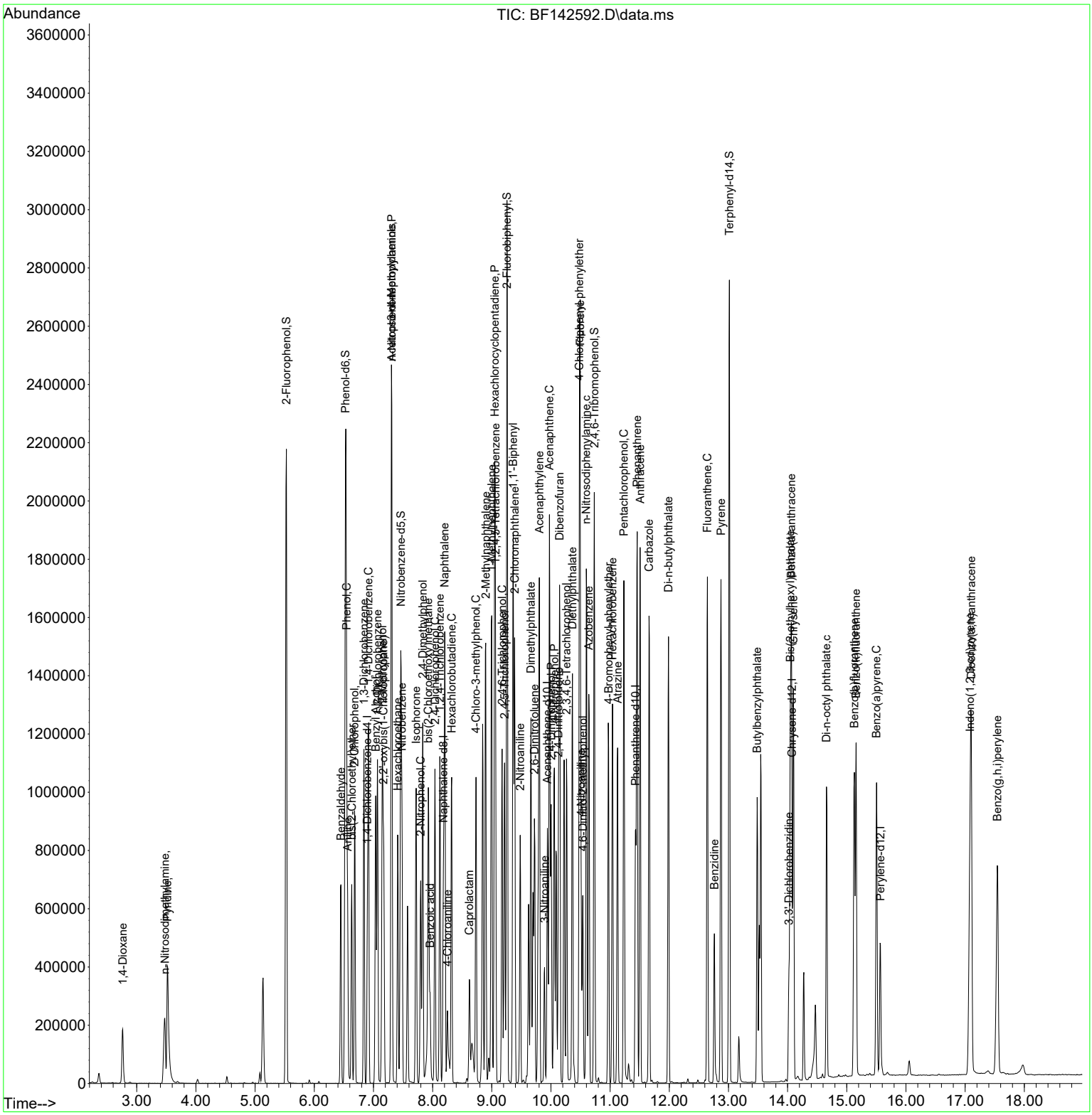
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142592.D
Acq On : 02 Jun 2025 12:28
Operator : RC/JU
Sample : PB168219BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

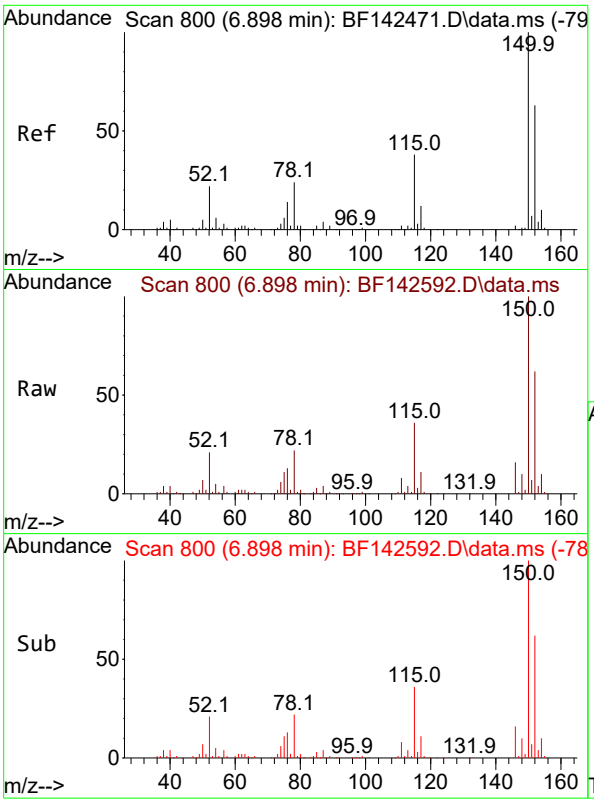
Quant Time: Jun 02 13:07:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168219BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

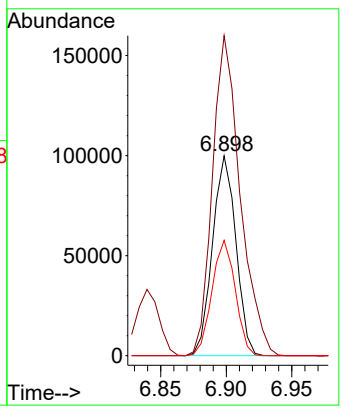




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:152 Resp: 12377

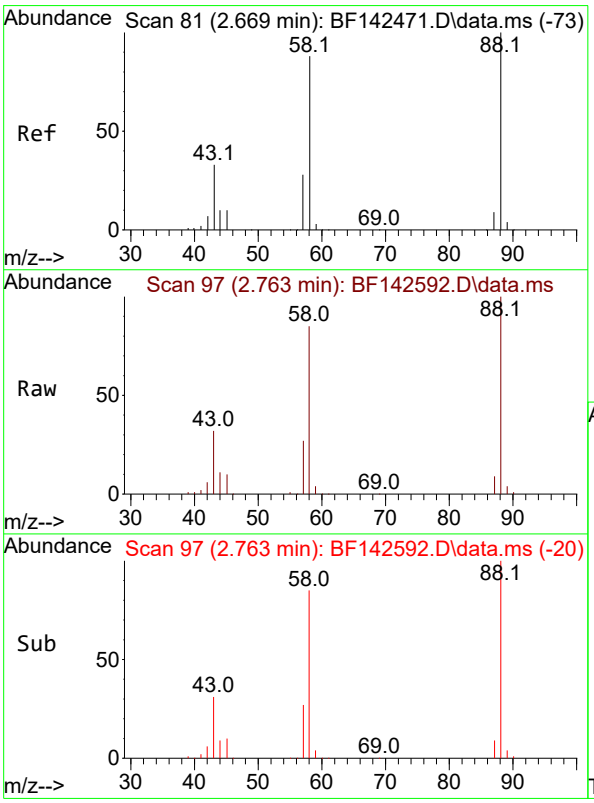
Ion	Ratio	Lower	Upper
152	100		
150	160.1	128.2	192.4
115	57.7	48.3	72.5



Instrument :
BNA_F
ClientSampleId :
PB168219BS

Manual Integrations
APPROVED

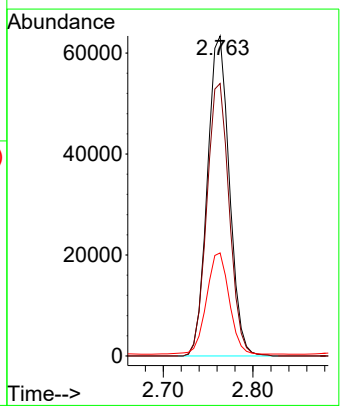
Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

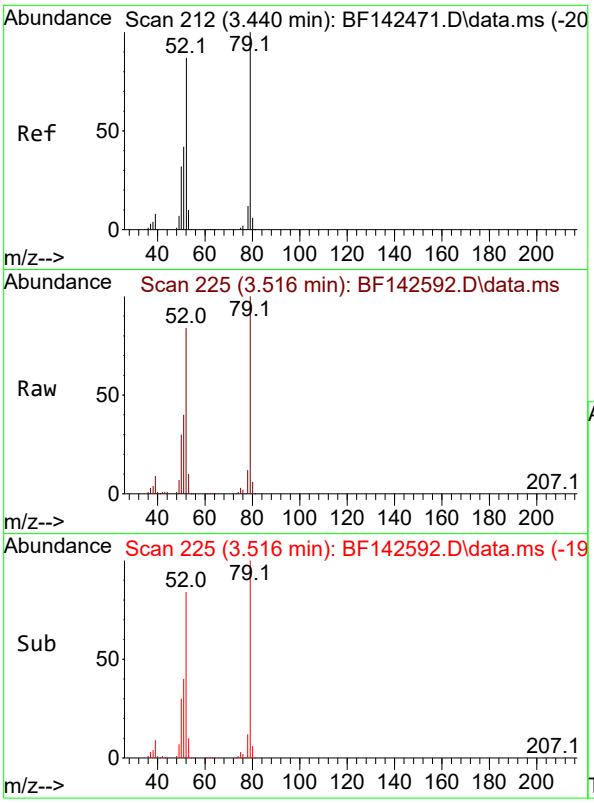


#2
1,4-Dioxane
Concen: 36.688 ng
RT: 2.763 min Scan# 97
Delta R.T. 0.100 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion: 88 Resp: 107857

Ion	Ratio	Lower	Upper
88	100		
58	86.9	70.8	106.2
43	33.1	26.6	40.0





#3
Pyridine
Concen: 40.085 ng
RT: 3.516 min Scan# 2
Delta R.T. 0.077 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

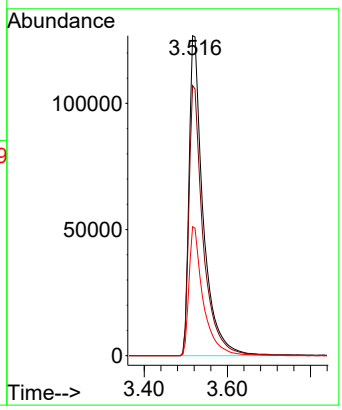
Tgt Ion: 79 Resp: 30009

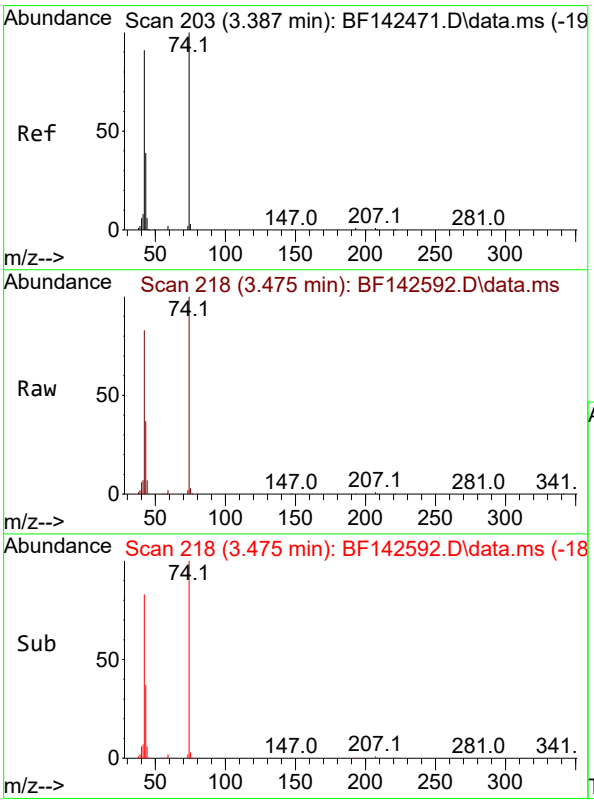
Ion	Ratio	Lower	Upper
79	100		
52	84.4	69.2	103.8
51	40.3	33.3	49.9

Instrument :
BNA_F
ClientSampleId :
PB168219BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

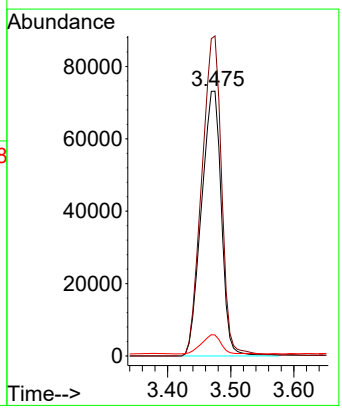


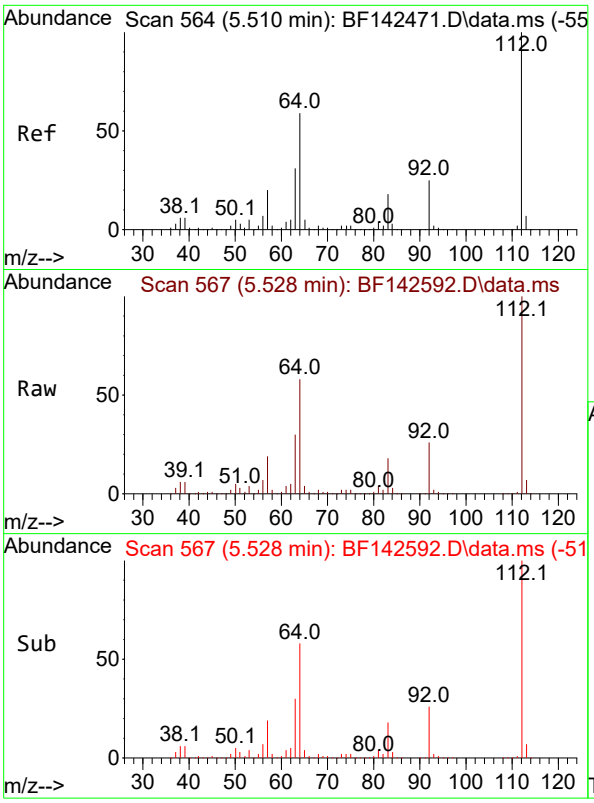


#4
n-Nitrosodimethylamine
Concen: 41.145 ng
RT: 3.475 min Scan# 218
Delta R.T. 0.071 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion: 42 Resp: 159932

Ion	Ratio	Lower	Upper
42	100		
74	120.8	88.2	132.4
44	7.9	5.4	8.2

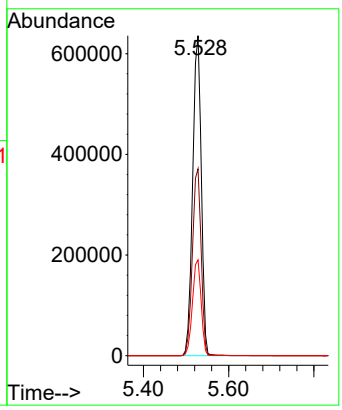




#5
2-Fluorophenol
Concen: 121.652 ng
RT: 5.528 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:112 Resp: 89372

Ion	Ratio	Lower	Upper
112	100		
64	58.4	47.5	71.3
63	29.9	24.9	37.3



Instrument :
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ClientSampleId :
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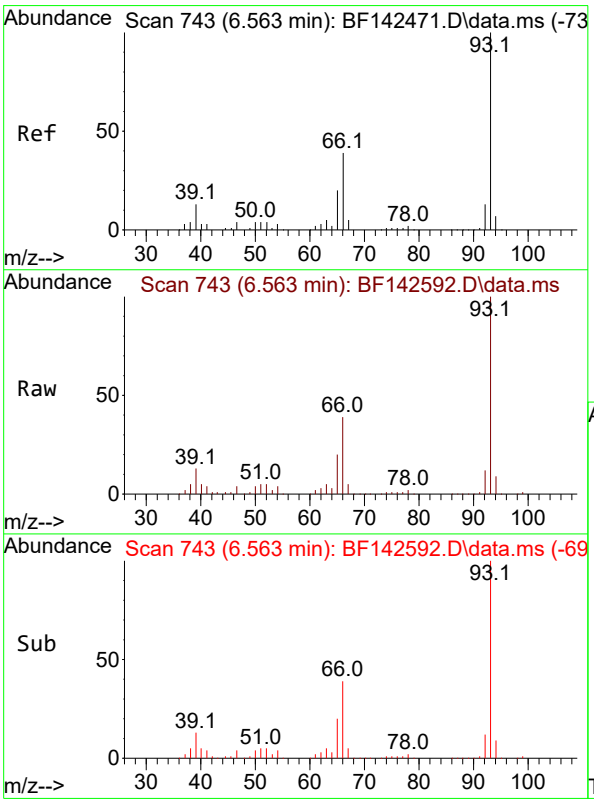
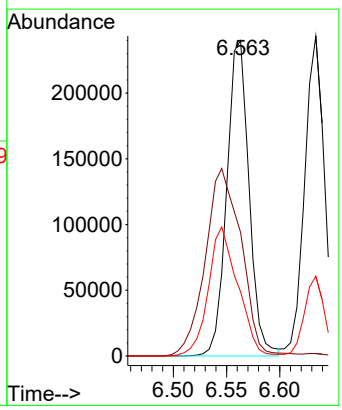
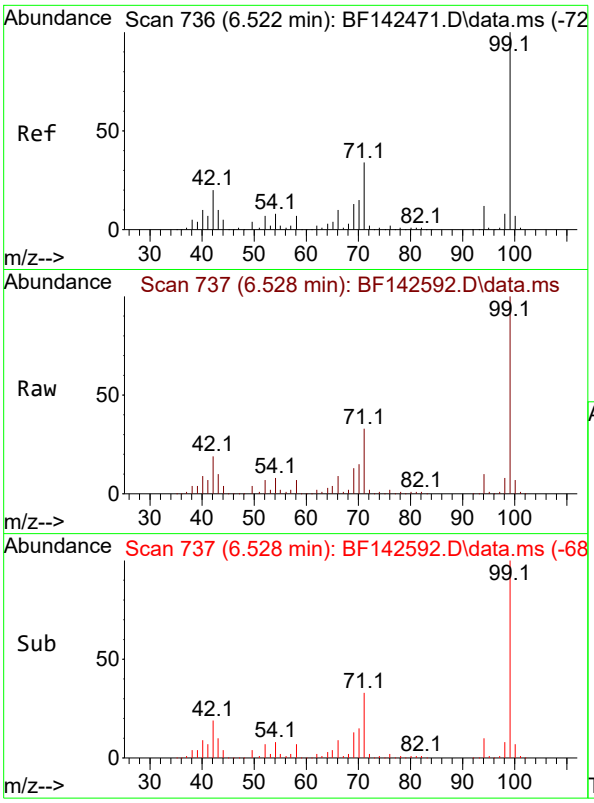


#6
Aniline
Concen: 29.347 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion: 93 Resp: 348958

Ion	Ratio	Lower	Upper
93	100		
66	39.2	32.0	48.0
65	20.4	16.1	24.1





#7
Phenol-d6
Concen: 123.298 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion: 99 Resp: 109039

Ion	Ratio	Lower	Upper
99	100		
42	19.4	16.2	24.2
71	33.3	27.3	40.9

Instrument :
BNA_F
ClientSampleId :
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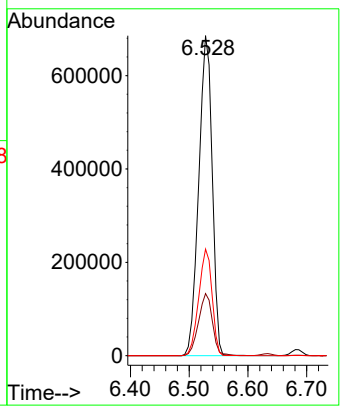
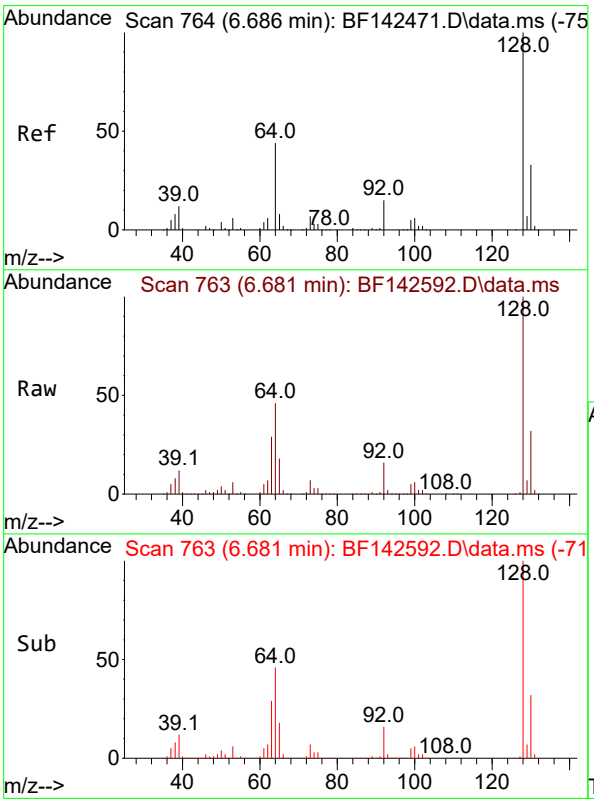
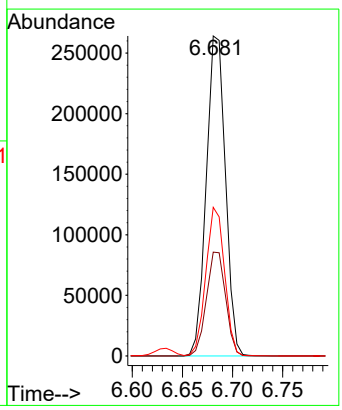


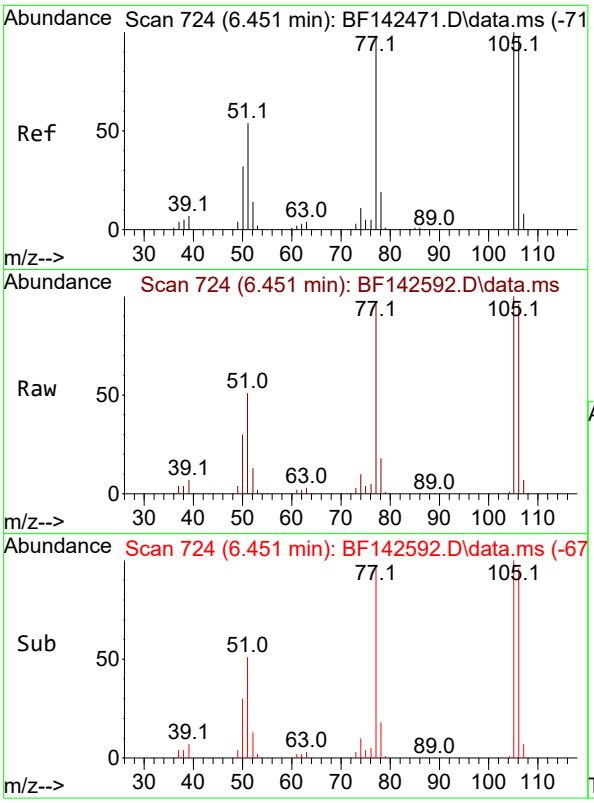


#8
2-Chlorophenol
Concen: 43.930 ng
RT: 6.681 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:128 Resp: 351526

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.6	52.6
64	46.5	25.1	65.1

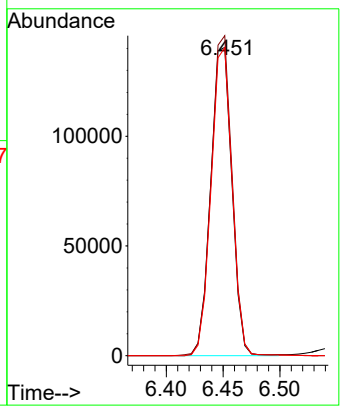




#9
Benzaldehyde
Concen: 34.340 ng
RT: 6.451 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion: 77 Resp: 18265

Ion	Ratio	Lower	Upper
77	100		
105	103.8	82.5	122.5
106	99.9	80.0	120.0



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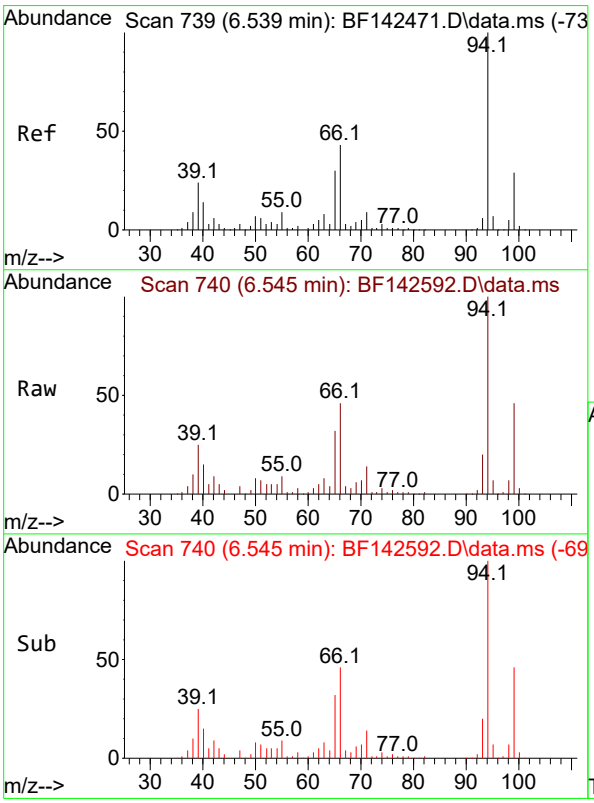
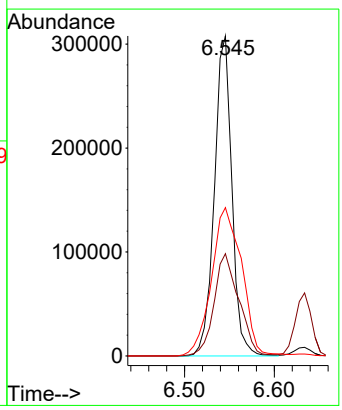
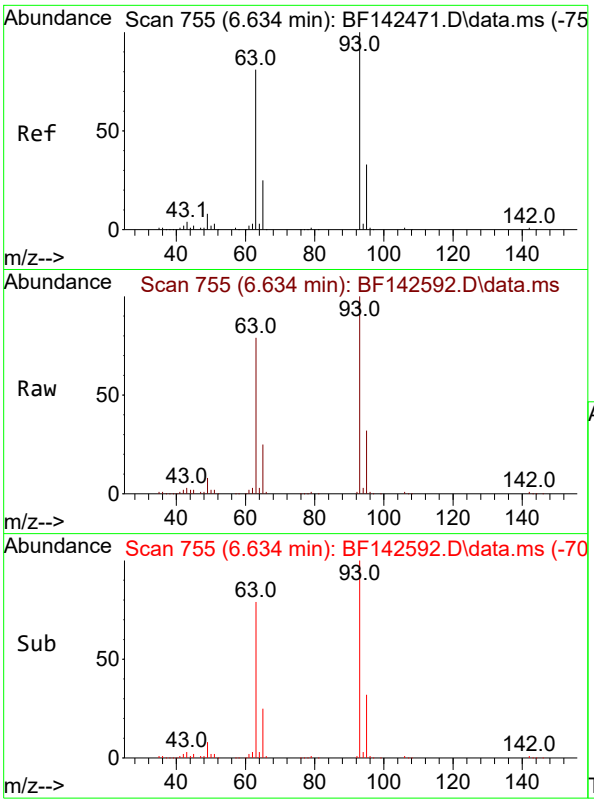


#10
Phenol
Concen: 41.894 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion: 94 Resp: 416881

Ion	Ratio	Lower	Upper
94	100		
65	31.9	10.3	50.3
66	46.4	22.6	62.6





#11
bis(2-Chloroethyl)ether
Concen: 43.549 ng
RT: 6.634 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion: 93 Resp: 31193

Ion	Ratio	Lower	Upper
93	100		
63	79.4	60.2	100.2
95	32.4	12.3	52.3

Instrument :
BNA_F
ClientSampleId :
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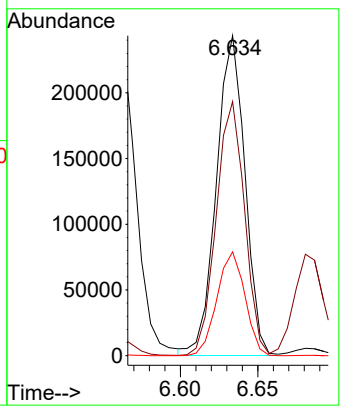
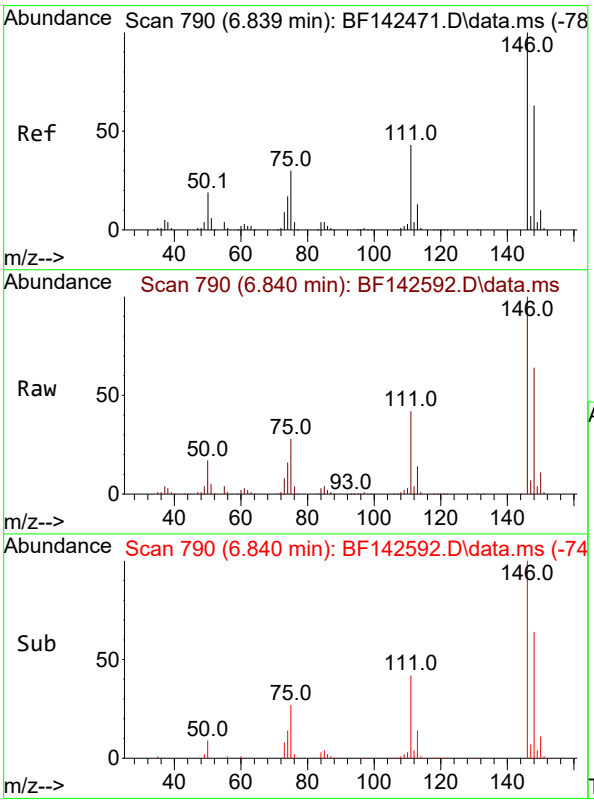
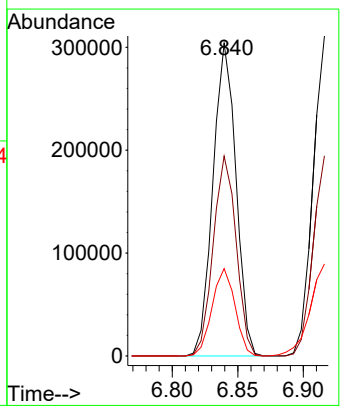


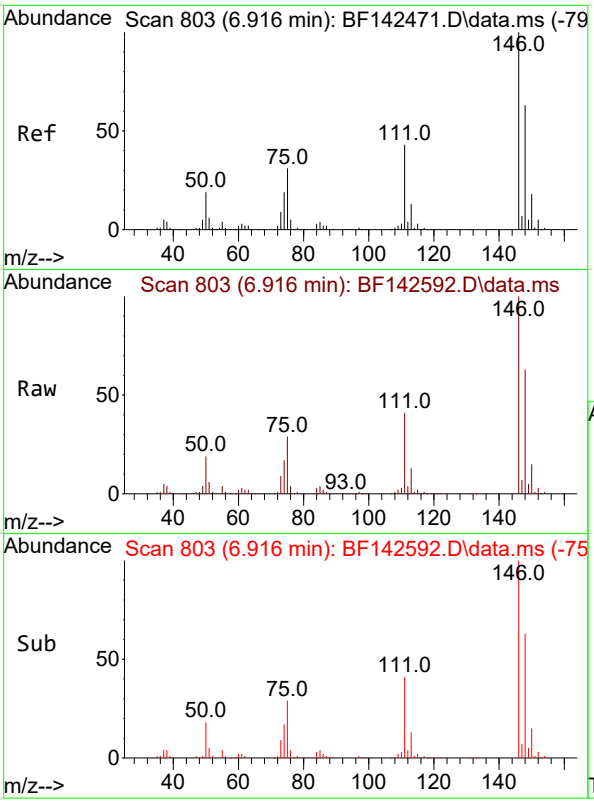


#12
1,3-Dichlorobenzene
Concen: 41.479 ng
RT: 6.840 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:146 Resp: 370373

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.6	75.8
75	28.0	23.8	35.6

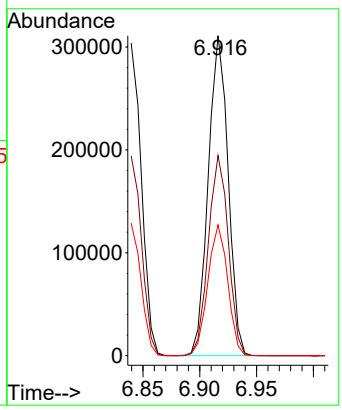




#13
1,4-Dichlorobenzene
Concen: 42.077 ng
RT: 6.916 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:146 Resp: 37845

Ion	Ratio	Lower	Upper
146	100		
148	62.6	50.4	75.6
111	40.9	34.1	51.1



Instrument :
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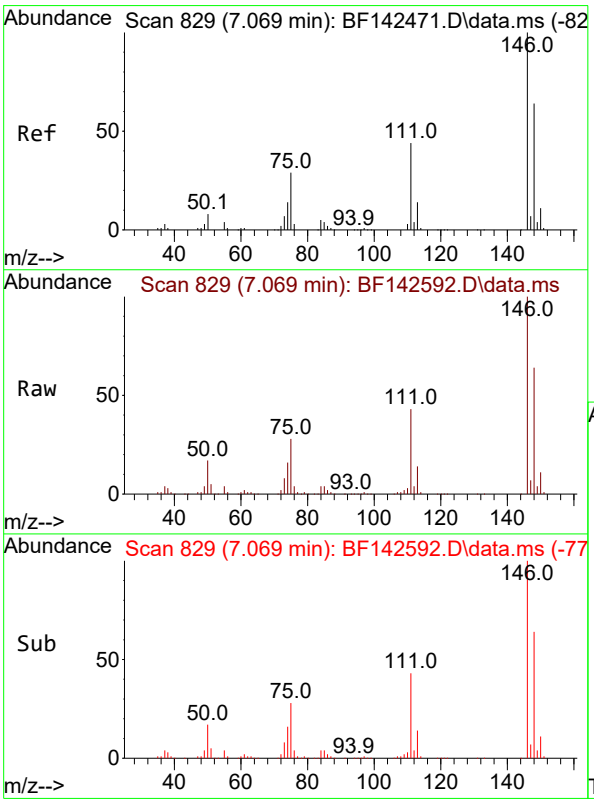
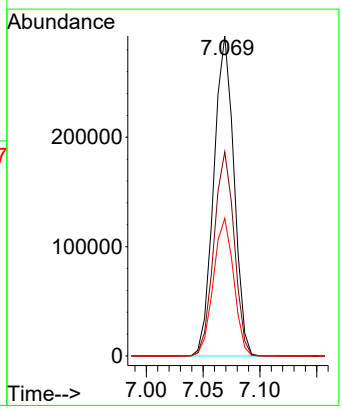
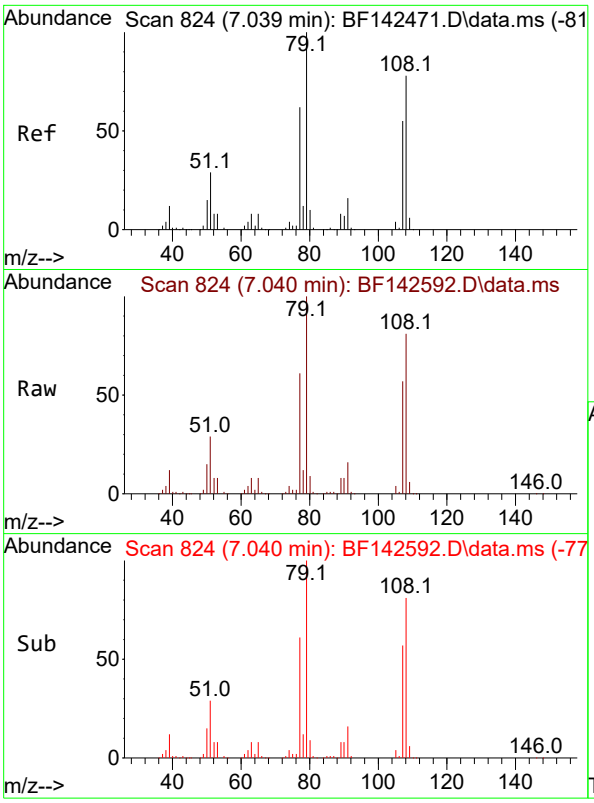


#14
1,2-Dichlorobenzene
Concen: 42.116 ng
RT: 7.069 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:146 Resp: 362468

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.4
111	43.0	35.0	52.6





#15
Benzyl Alcohol
Concen: 42.914 ng
RT: 7.040 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion: 79 Resp: 28045

Ion	Ratio	Lower	Upper
79	100		
108	80.8	62.1	93.1
77	61.2	49.5	74.3

Instrument :
BNA_F
ClientSampleId :
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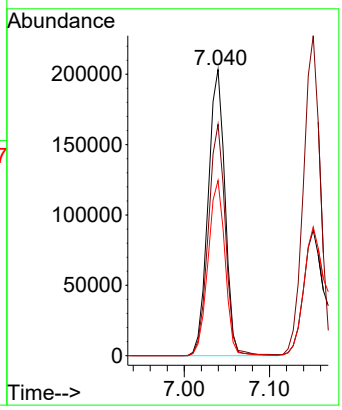
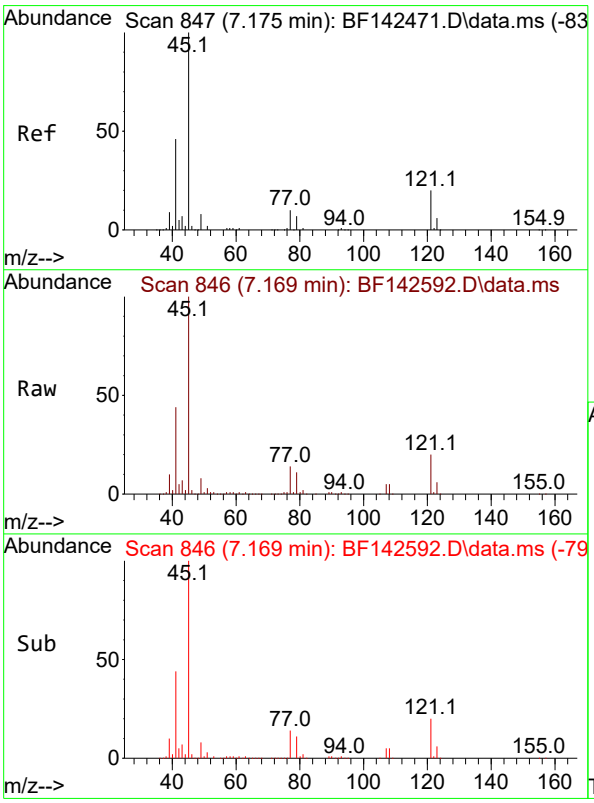
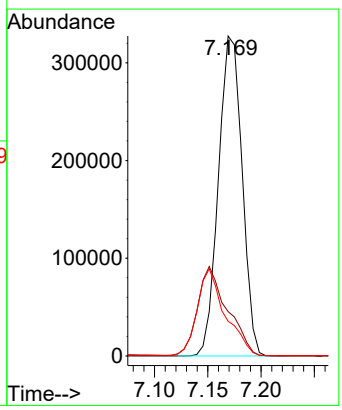


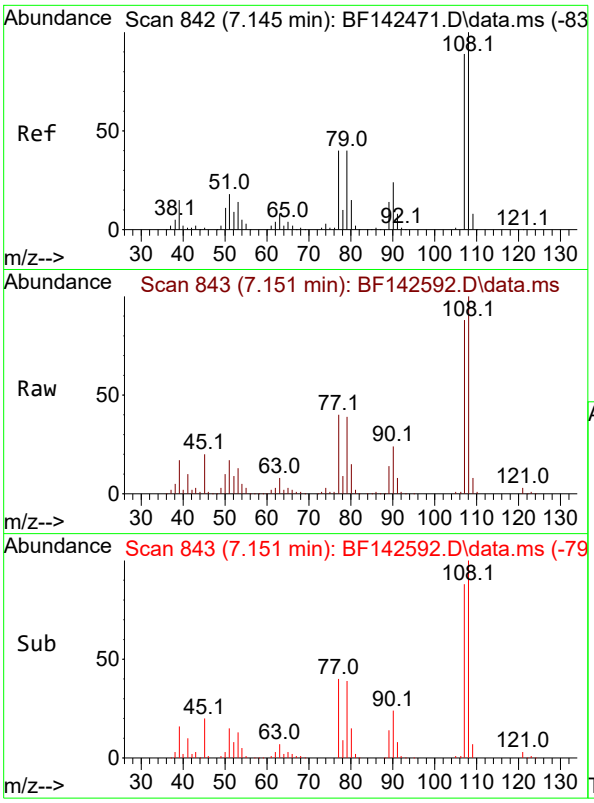


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.017 ng
RT: 7.169 min Scan# 846
Delta R.T. -0.012 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion: 45 Resp: 505428

Ion	Ratio	Lower	Upper
45	100		
77	13.8	0.0	32.0
79	10.8	0.0	29.2

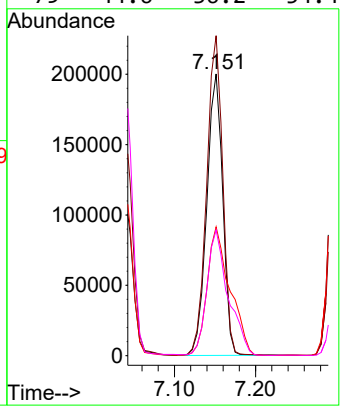




#17
2-Methylphenol
Concen: 43.664 ng
RT: 7.151 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:107 Resp: 27279

Ion	Ratio	Lower	Upper
107	100		
108	113.6	90.2	135.2
77	45.7	36.1	54.1
79	44.6	36.2	54.4



Instrument :
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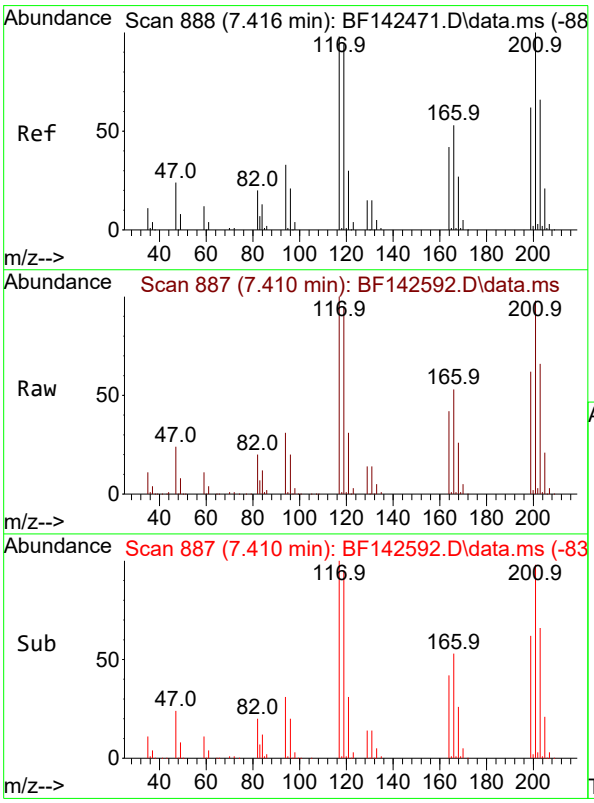
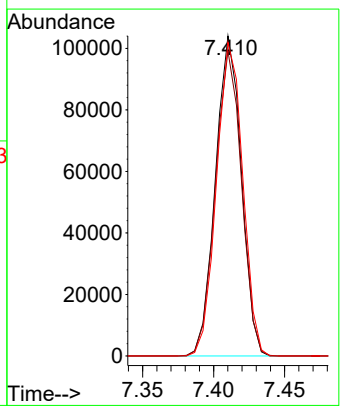
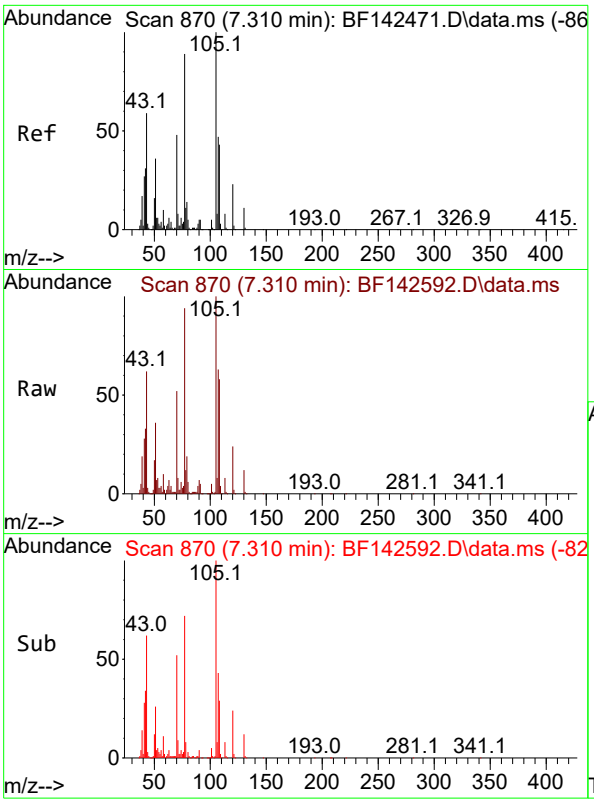


#18
Hexachloroethane
Concen: 42.052 ng
RT: 7.410 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:117 Resp: 132072

Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.6	114.8
201	98.0	81.3	121.9

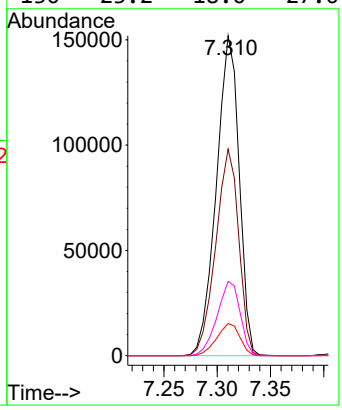




#19
n-Nitroso-di-n-propylamine
Concen: 41.205 ng
RT: 7.310 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion: 70 Resp: 22584

Ion	Ratio	Lower	Upper
70	100		
42	64.6	52.4	78.6
101	10.1	7.8	11.8
130	23.2	18.0	27.0



Instrument :
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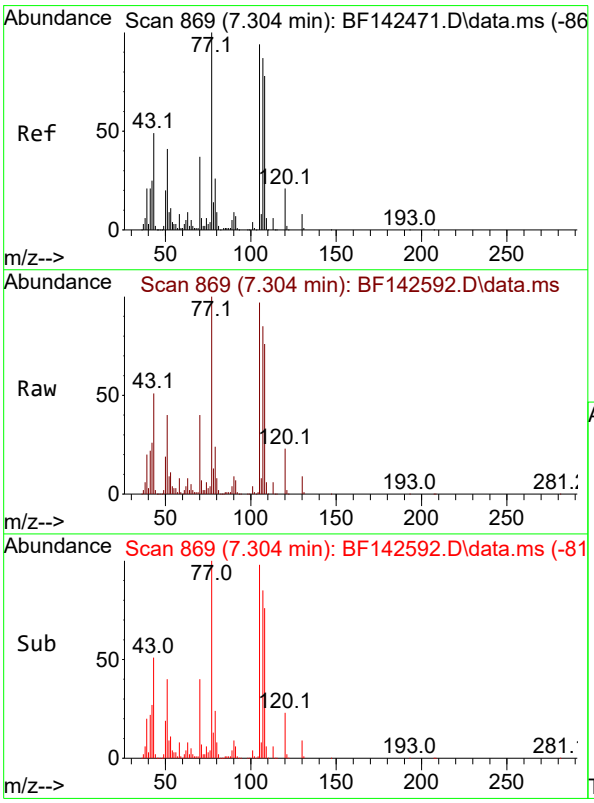
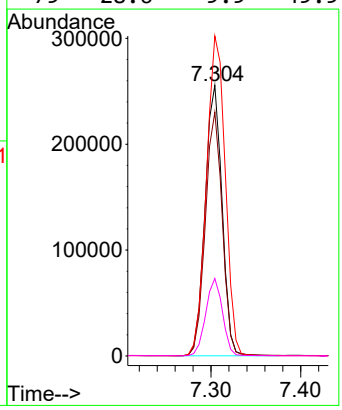
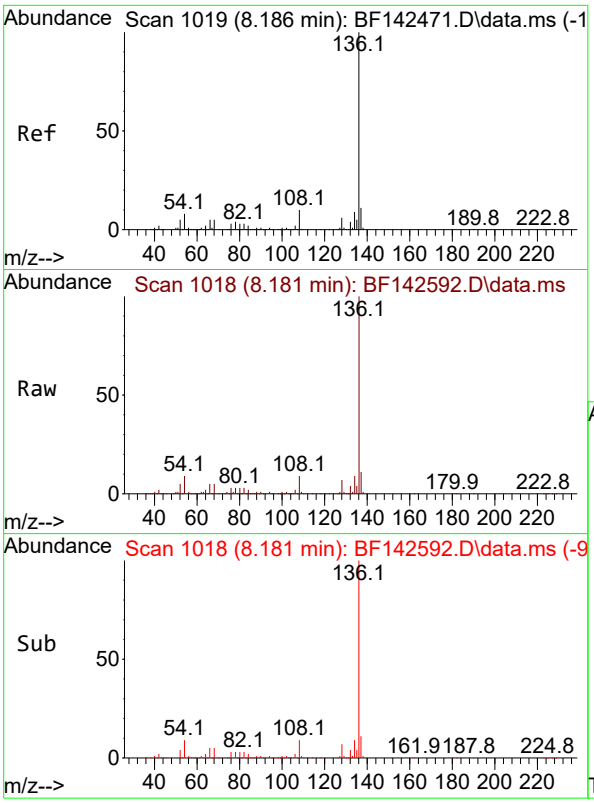


#20
3+4-Methylphenols
Concen: 42.034 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:107 Resp: 336295

Ion	Ratio	Lower	Upper
107	100		
108	90.2	70.4	110.4
77	118.3	95.4	135.4
79	28.6	9.9	49.9

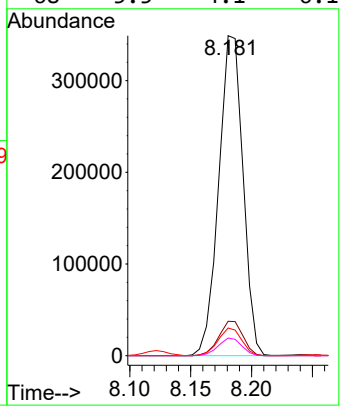




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:136 Resp: 48404

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.6	6.6	10.0
68	5.5	4.1	6.1



Instrument :
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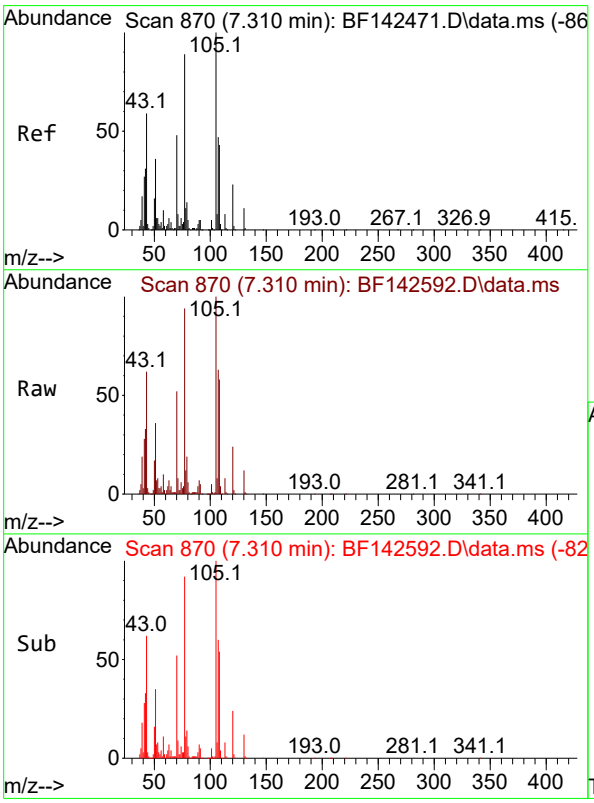
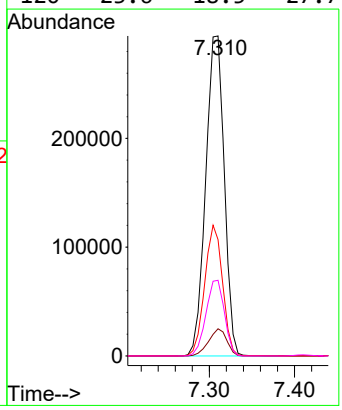
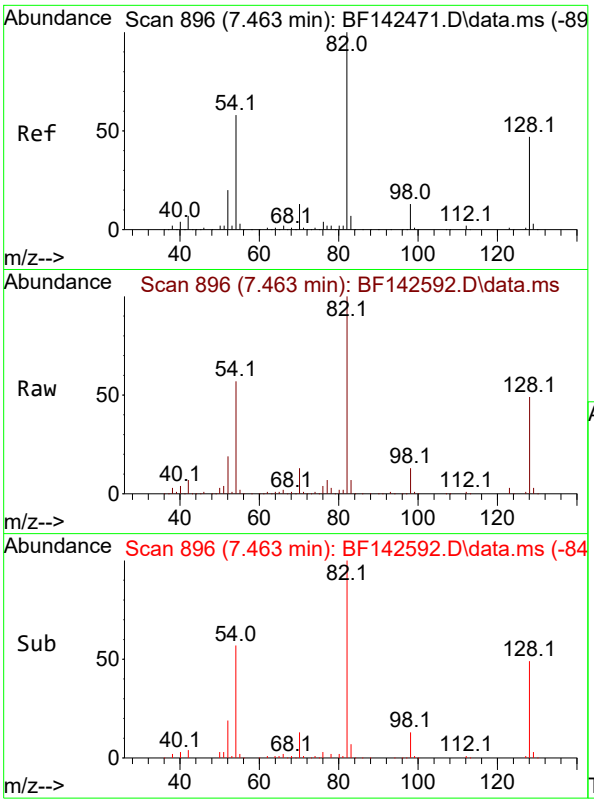


#22
Acetophenone
Concen: 41.695 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:105 Resp: 446769

Ion	Ratio	Lower	Upper
105	100		
71	8.5	6.4	9.6
51	36.3	28.6	42.8
120	23.6	18.5	27.7

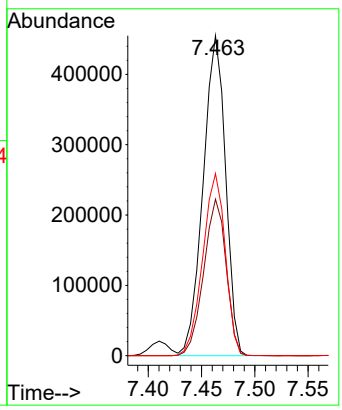




#23
Nitrobenzene-d5
Concen: 75.255 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion: 82 Resp: 66802

Ion	Ratio	Lower	Upper
82	100		
128	48.9	37.4	56.2
54	56.9	46.6	70.0



Instrument :
BNA_F
ClientSampleId :
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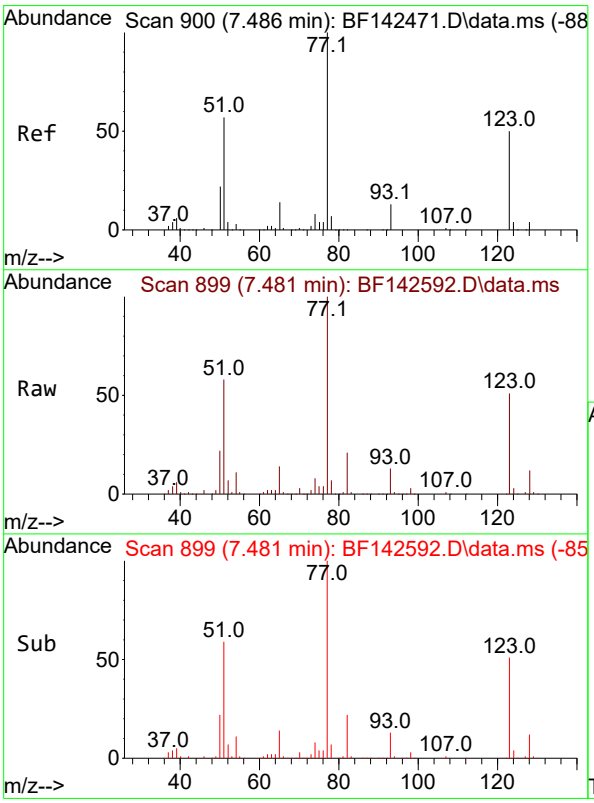
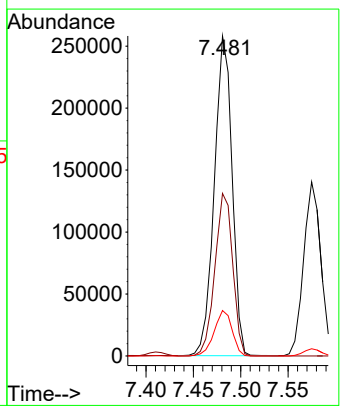
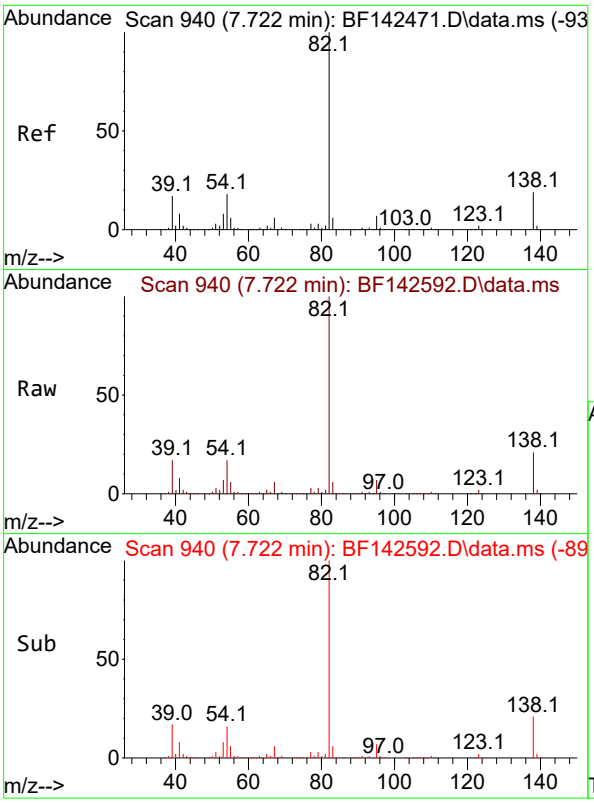


#24
Nitrobenzene
Concen: 42.114 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion: 77 Resp: 337169

Ion	Ratio	Lower	Upper
77	100		
123	50.8	40.6	61.0
65	14.2	11.4	17.2

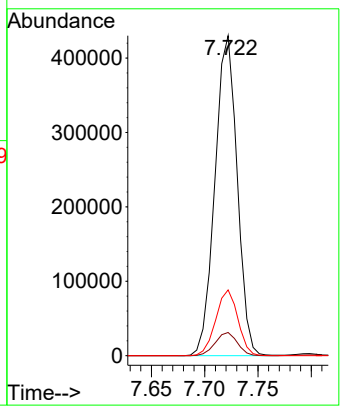




#25
Isophorone
Concen: 42.013 ng
RT: 7.722 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion: 82 Resp: 62353

Ion	Ratio	Lower	Upper
82	100		
95	7.3	6.0	9.0
138	20.6	15.5	23.3



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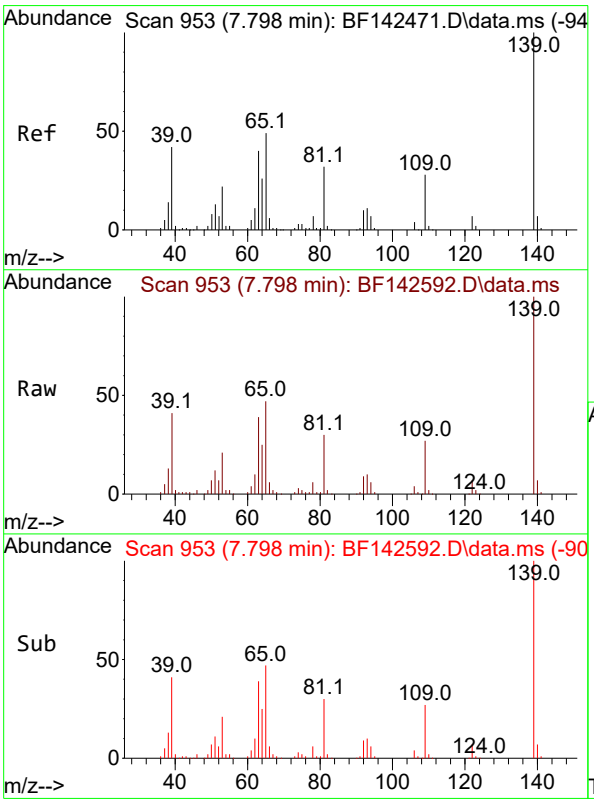
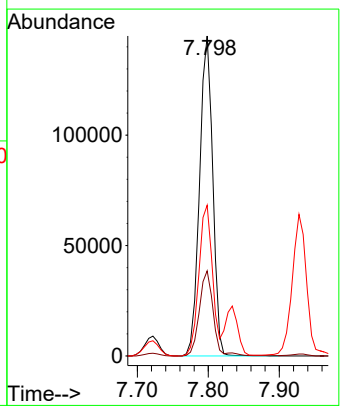
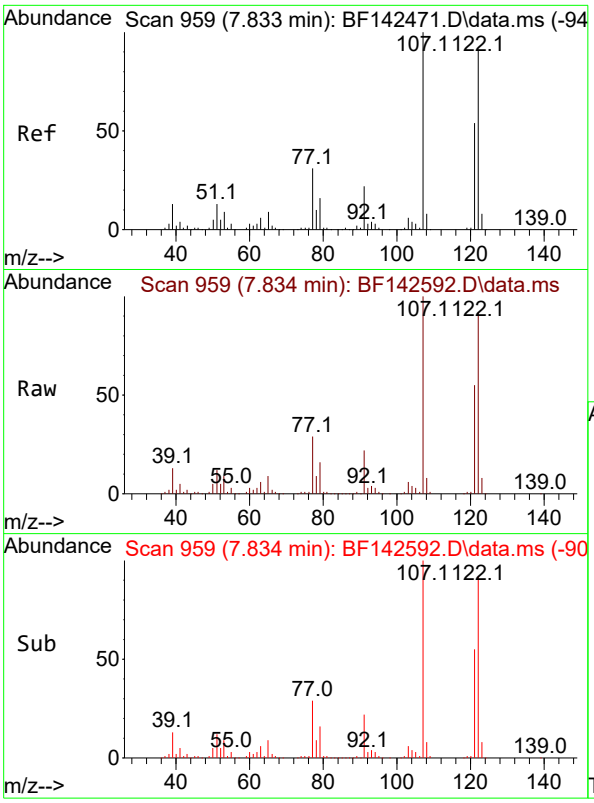


#26
2-Nitrophenol
Concen: 43.901 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:139 Resp: 187806

Ion	Ratio	Lower	Upper
139	100		
109	26.6	22.6	33.8
65	47.1	39.4	59.0

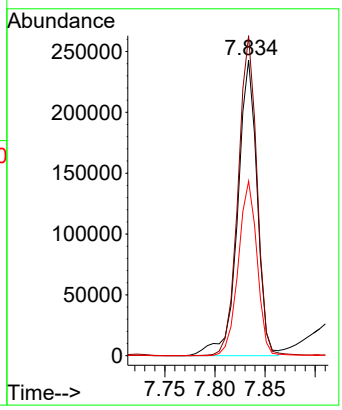




#27
2,4-Dimethylphenol
Concen: 43.539 ng
RT: 7.834 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:122 Resp: 32846

Ion	Ratio	Lower	Upper
122	100		
107	108.2	88.1	132.1
121	59.1	47.3	70.9



Instrument :
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ClientSampleId :
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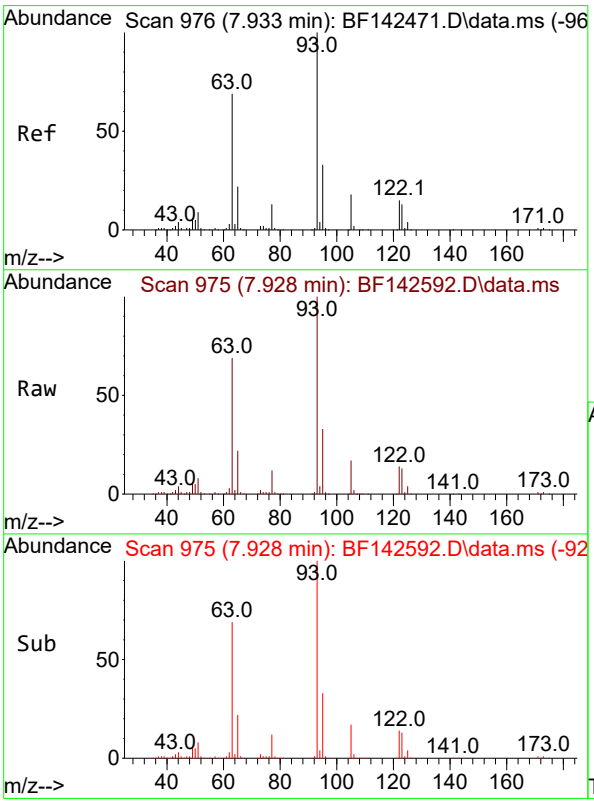
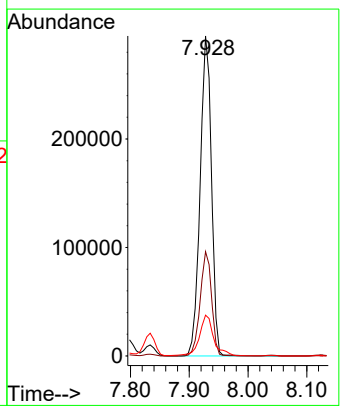
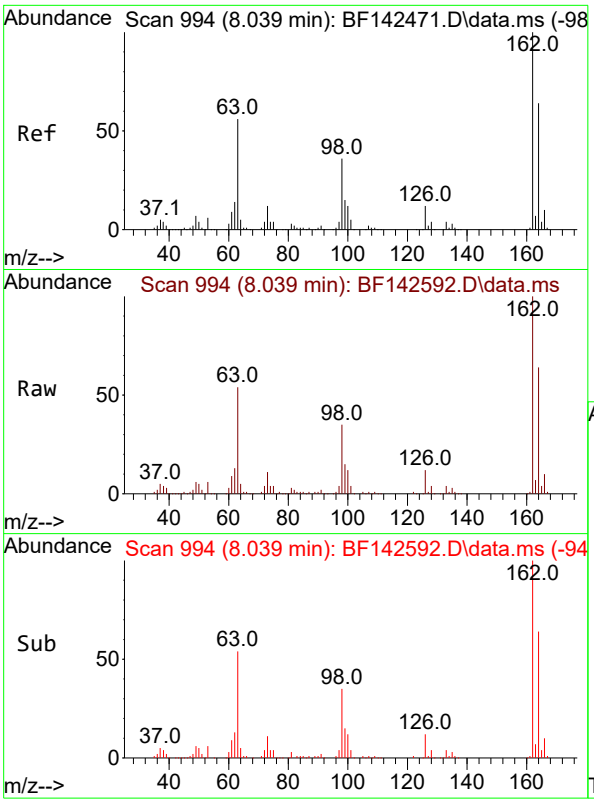


#28
bis(2-Chloroethoxy)methane
Concen: 42.584 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.012 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion: 93 Resp: 394805

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.4	39.6
123	12.8	10.6	15.8

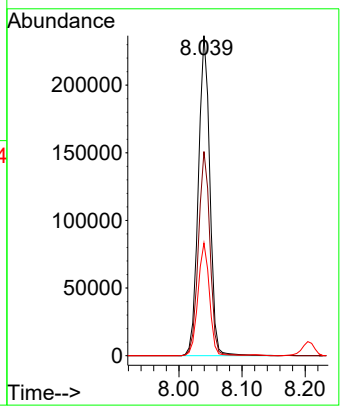




#29
2,4-Dichlorophenol
Concen: 43.690 ng
RT: 8.039 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:162 Resp: 29975

Ion	Ratio	Lower	Upper
162	100		
164	63.8	43.7	83.7
98	35.2	15.5	55.5



Instrument :
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ClientSampleId :
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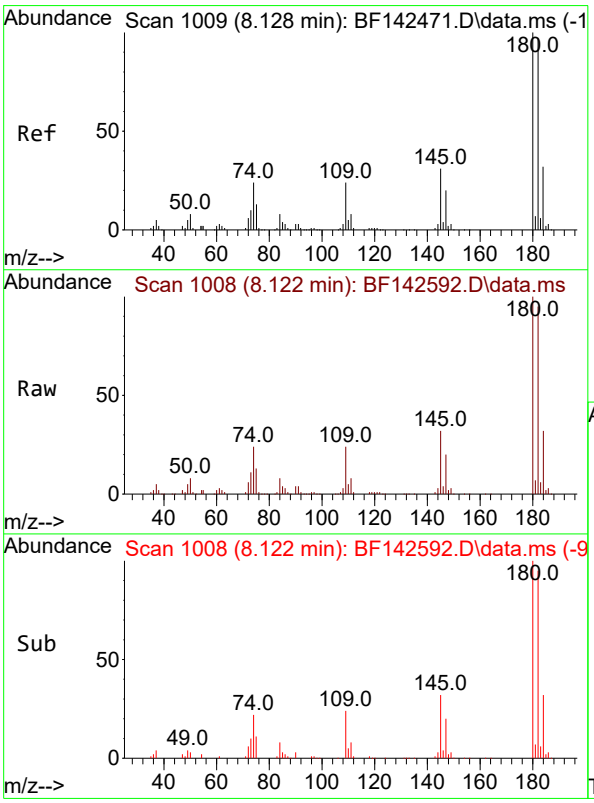
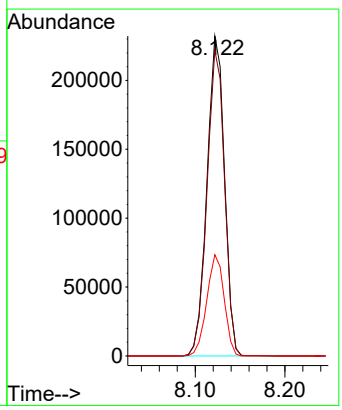
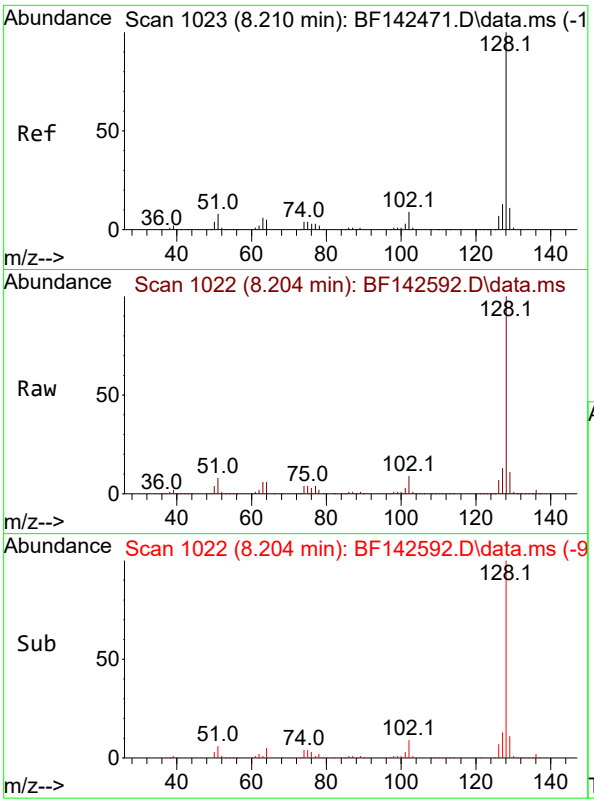


#30
1,2,4-Trichlorobenzene
Concen: 42.324 ng
RT: 8.122 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:180 Resp: 315137

Ion	Ratio	Lower	Upper
180	100		
182	95.5	78.0	117.0
145	31.6	25.0	37.6

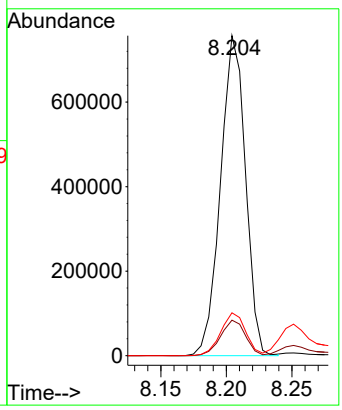




#31
Naphthalene
Concen: 42.073 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:128 Resp: 100277

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.4	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
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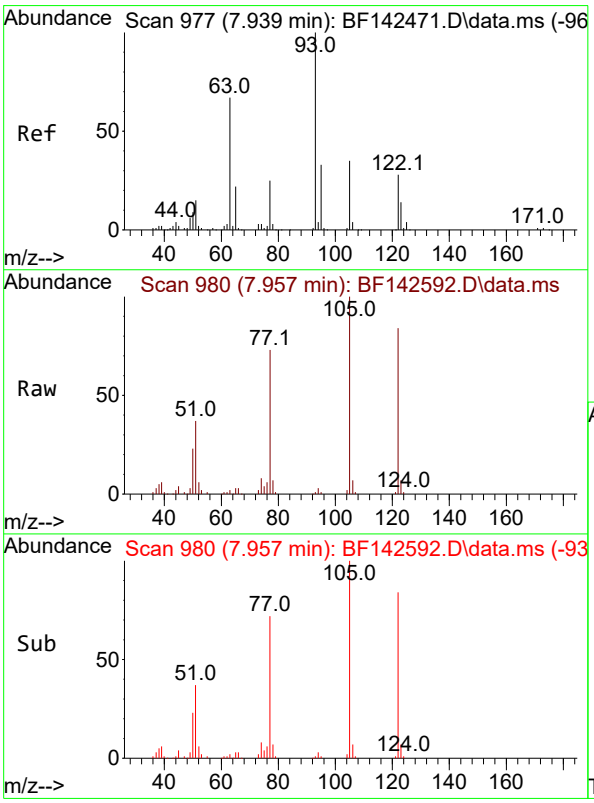
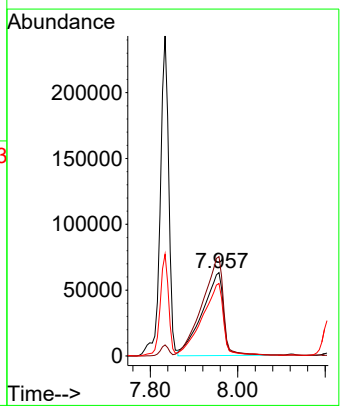
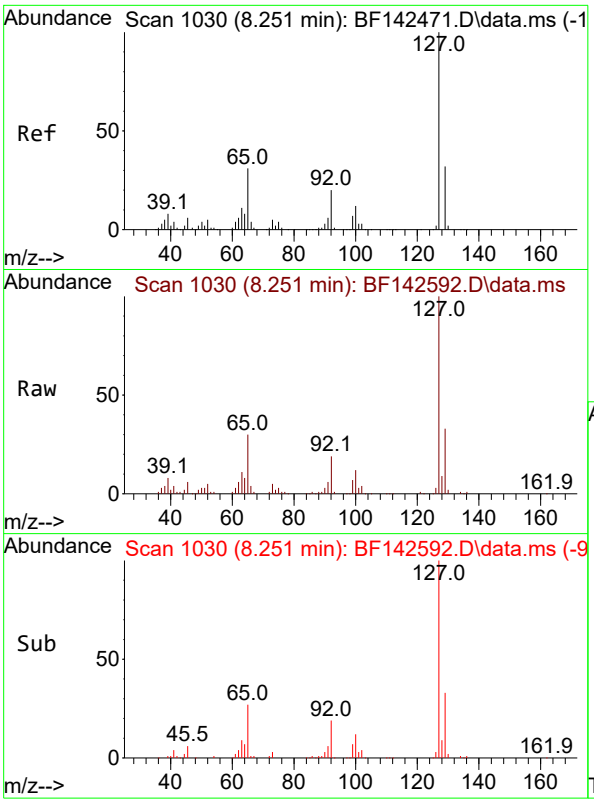


#32
Benzoic acid
Concen: 46.599 ng
RT: 7.957 min Scan# 980
Delta R.T. -0.018 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:122 Resp: 213999

Ion	Ratio	Lower	Upper
122	100		
105	119.3	101.7	141.7
77	86.9	69.5	109.5

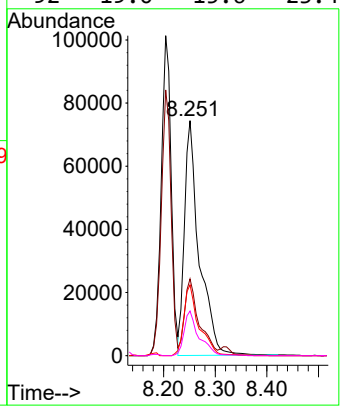




#33
4-Chloroaniline
Concen: 15.293 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:127 Resp: 14769

Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.1	39.1
65	30.2	24.9	37.3
92	19.0	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
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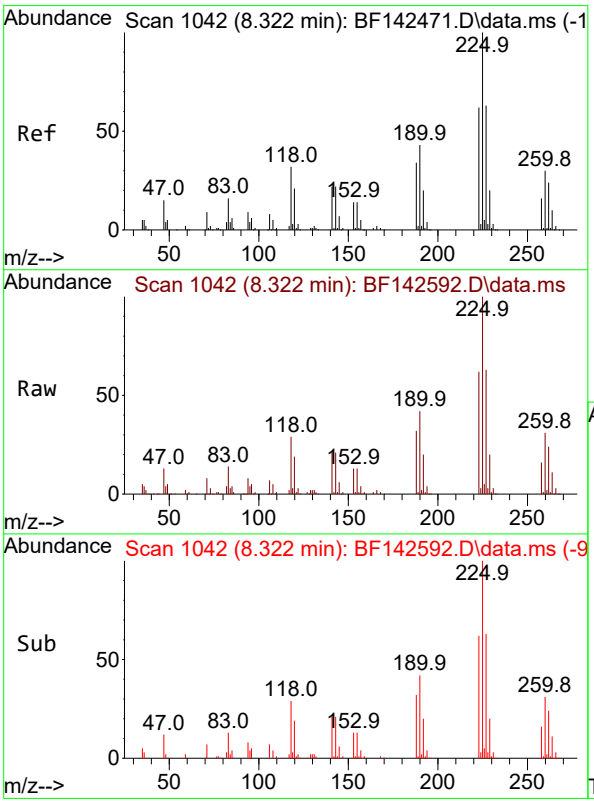
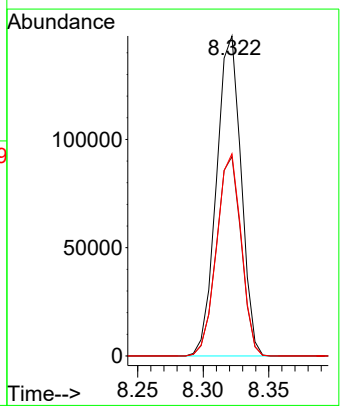
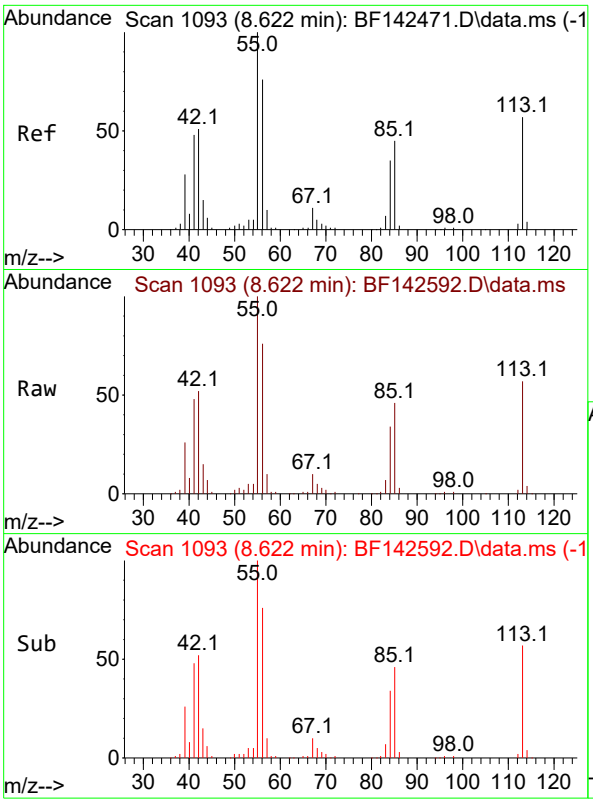


#34
Hexachlorobutadiene
Concen: 41.455 ng
RT: 8.322 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:225 Resp: 192731

Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.7	74.5
227	63.2	50.3	75.5

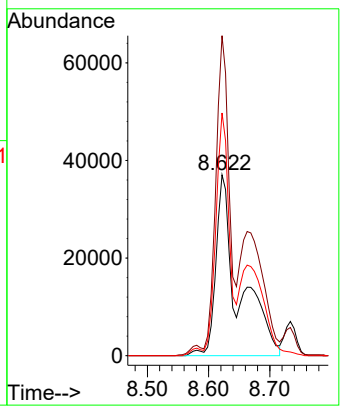




#35
Caprolactam
Concen: 49.760 ng m
RT: 8.622 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:113 Resp: 9588

Ion	Ratio	Lower	Upper
113	100		
55	176.9	154.7	194.7
56	134.2	113.2	153.2



Instrument :
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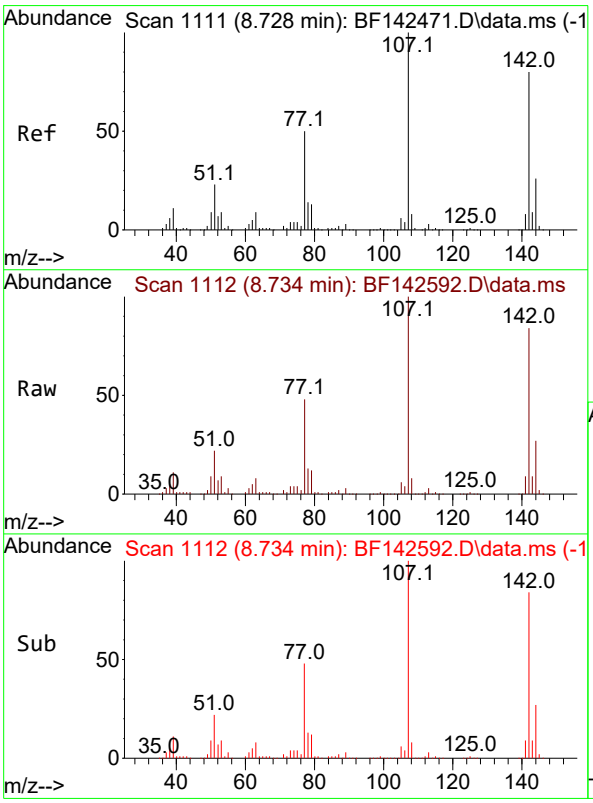
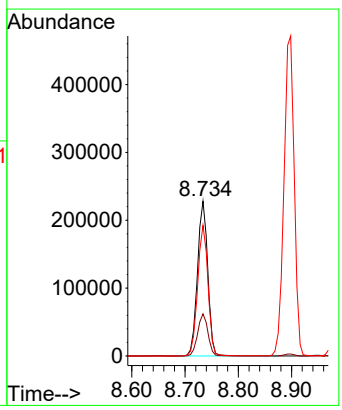
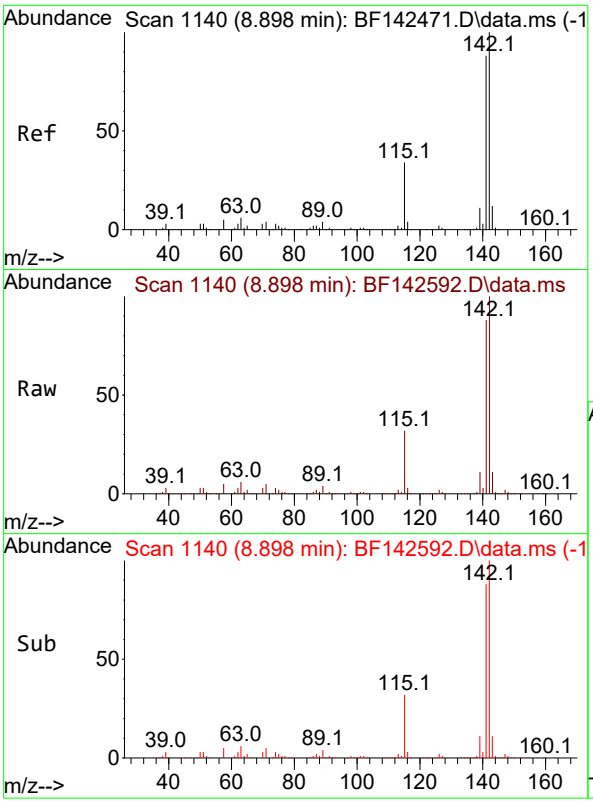


#36
4-Chloro-3-methylphenol
Concen: 43.515 ng
RT: 8.734 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:107 Resp: 305966

Ion	Ratio	Lower	Upper
107	100		
144	27.2	20.9	31.3
142	84.5	64.2	96.2





#37
2-Methylnaphthalene
Concen: 42.018 ng
RT: 8.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:142 Resp: 63003

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.7	106.1

Instrument :
BNA_F
ClientSampleId :
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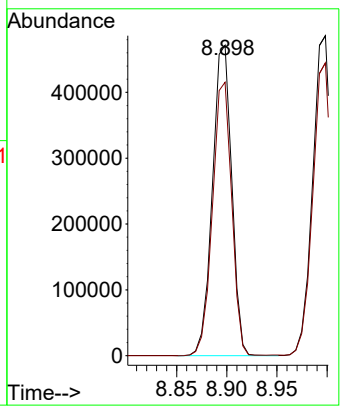
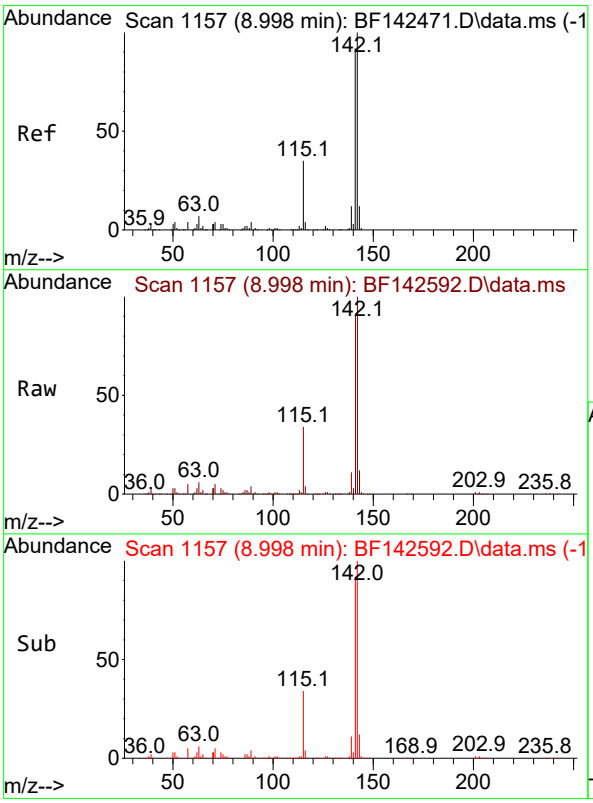
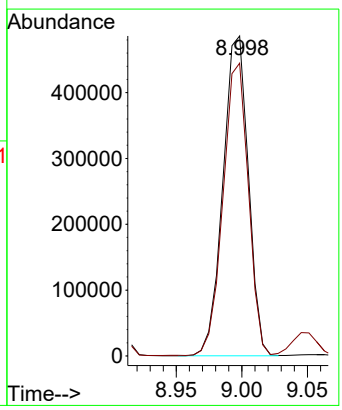


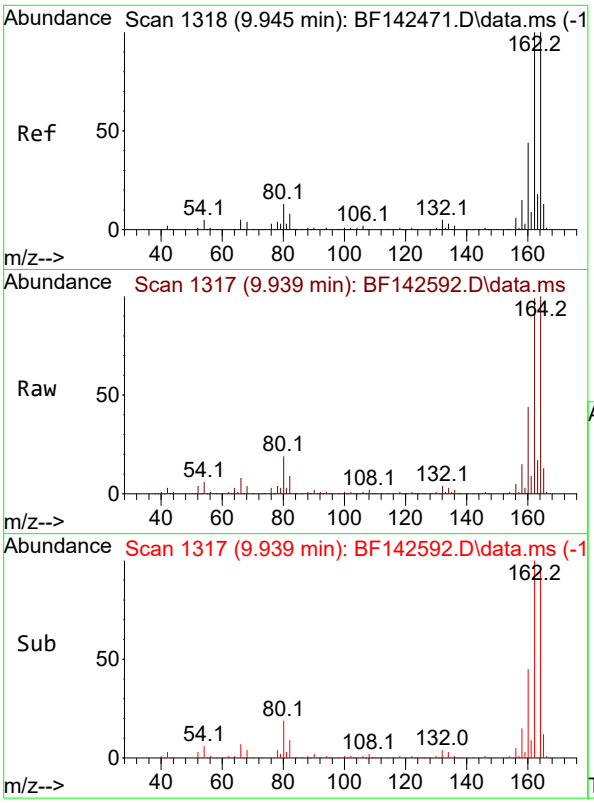


#38
1-Methylnaphthalene
Concen: 42.182 ng
RT: 8.998 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:142 Resp: 654235

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.4	110.2

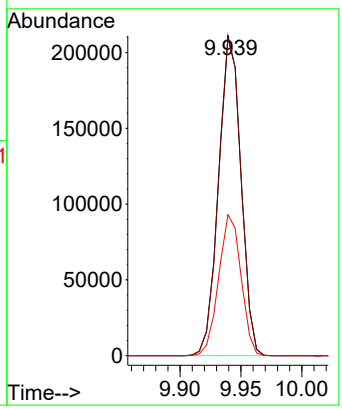




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:164 Resp: 26955

Ion	Ratio	Lower	Upper
164	100		
162	99.2	80.2	120.4
160	44.1	35.6	53.4



Instrument :
BNA_F
ClientSampleId :
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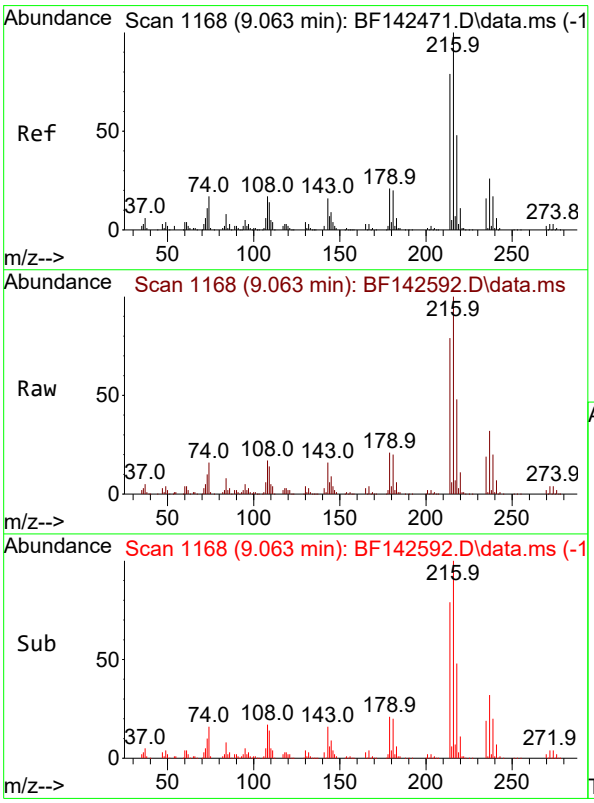
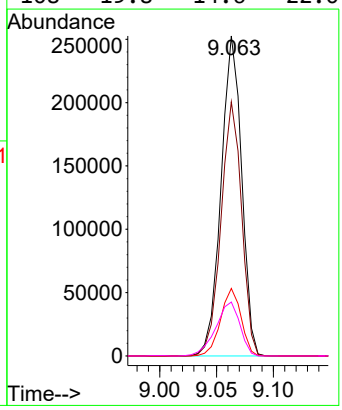
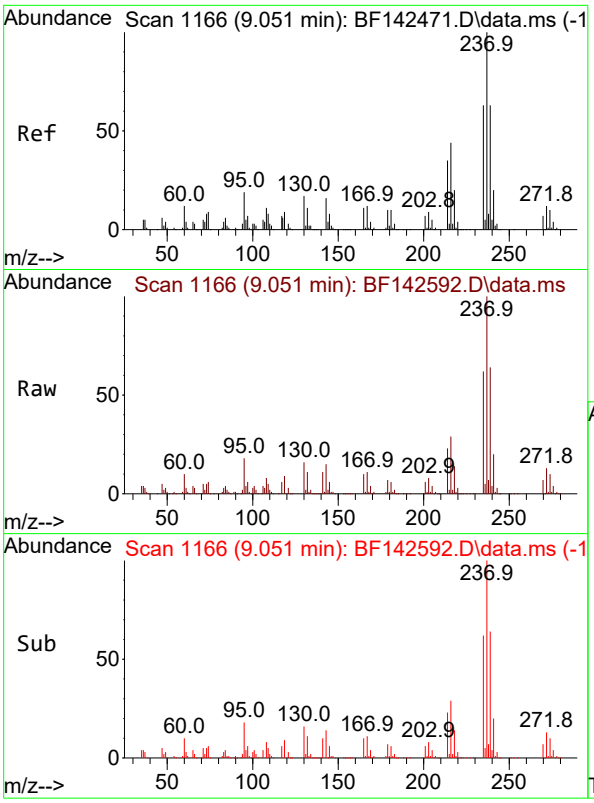


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.139 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:216 Resp: 318323

Ion	Ratio	Lower	Upper
216	100		
214	79.2	62.9	94.3
179	21.0	16.9	25.3
108	19.8	14.6	22.0





#41
Hexachlorocyclopentadiene
Concen: 80.655 ng
RT: 9.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Instrument :
BNA_F
ClientSampleId :
PB168219BS

Tgt Ion:237 Resp: 42100

Ion	Ratio	Lower	Upper
237	100		
235	62.0	43.3	83.3
272	12.9	0.0	32.4

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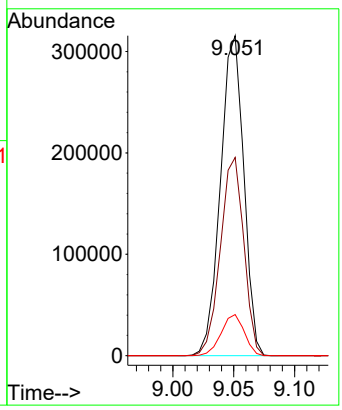
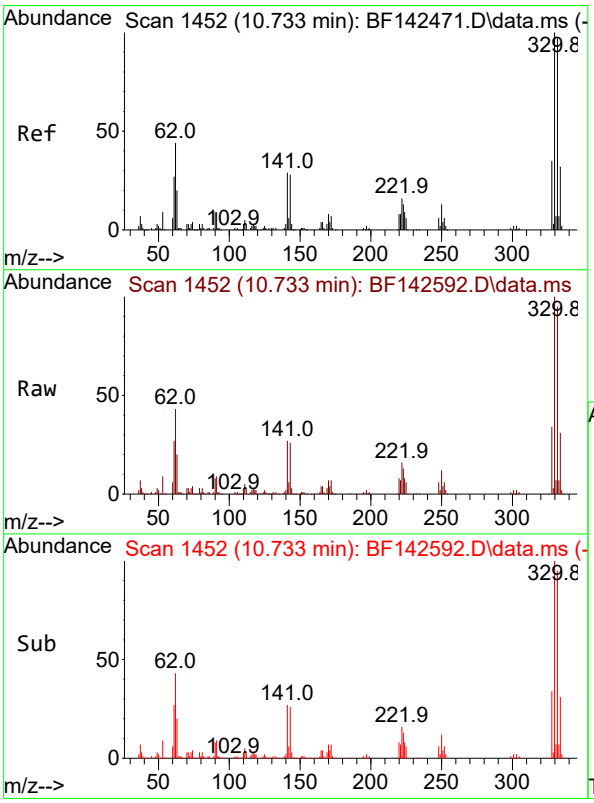
Supervised By :Jagrut Upadhyay 06/03/2025

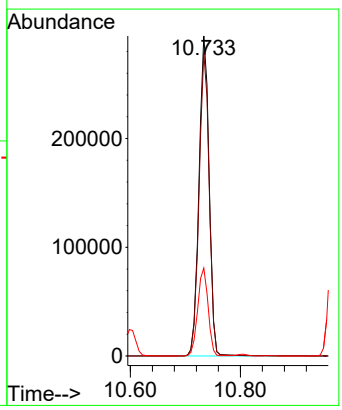


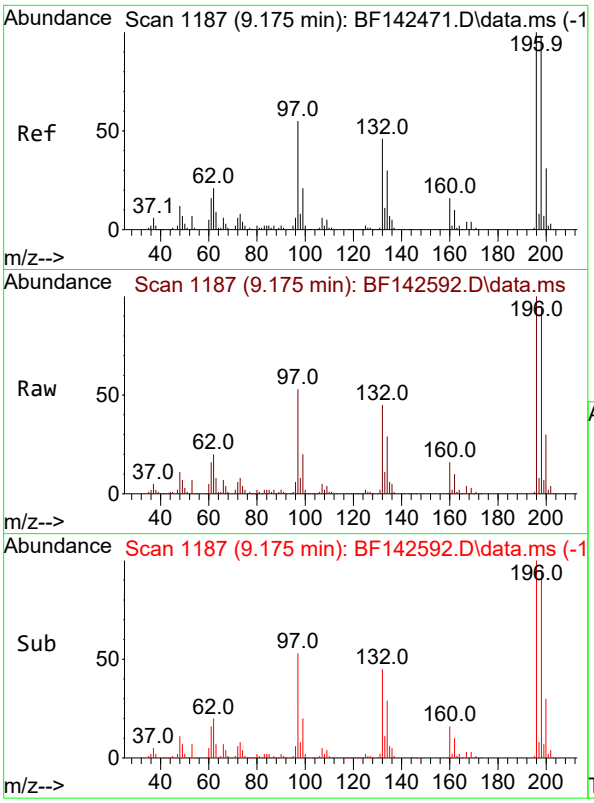


#42
2,4,6-Tribromophenol
Concen: 126.222 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:330 Resp: 377621

Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.6	116.4
141	28.1	24.6	36.8

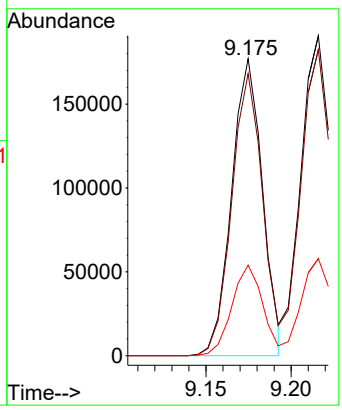




#43
2,4,6-Trichlorophenol
Concen: 42.668 ng
RT: 9.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:196 Resp: 22263

Ion	Ratio	Lower	Upper
196	100		
198	95.0	78.8	118.2
200	30.5	24.9	37.3



Instrument :
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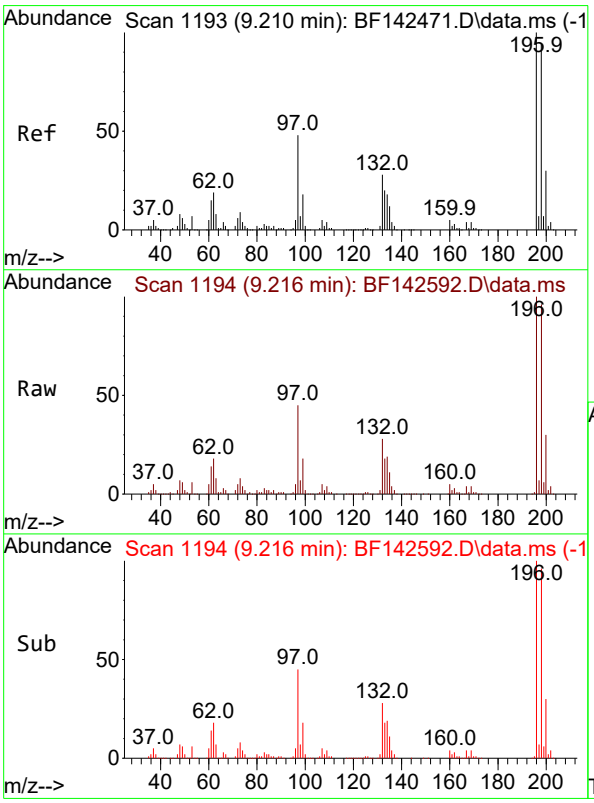
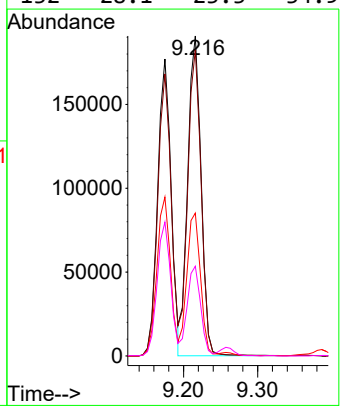
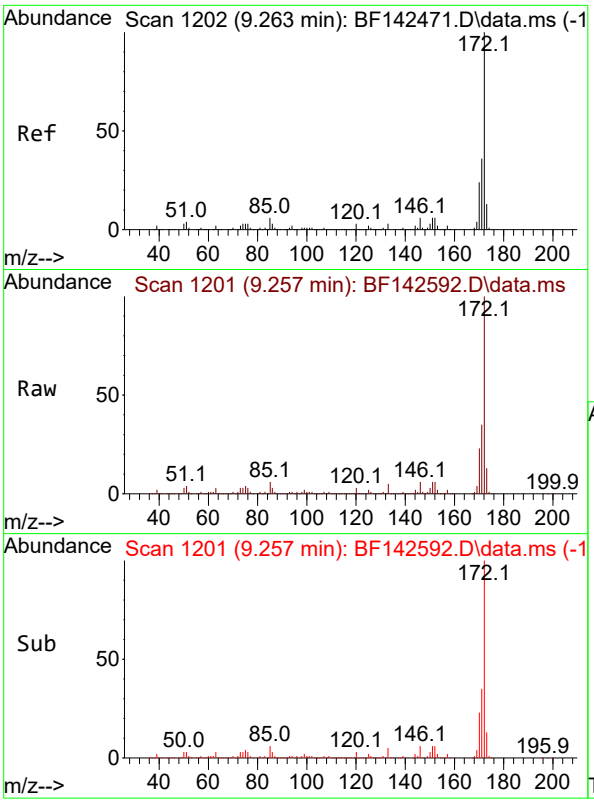


#44
2,4,5-Trichlorophenol
Concen: 43.726 ng
RT: 9.216 min Scan# 1194
Delta R.T. 0.000 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:196 Resp: 240616

Ion	Ratio	Lower	Upper
196	100		
198	95.7	75.5	113.3
97	44.6	39.3	58.9
132	28.1	23.3	34.9

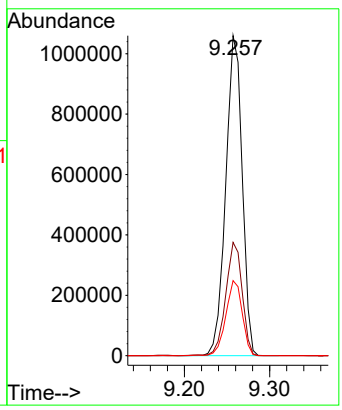




#45
2-Fluorobiphenyl
Concen: 70.958 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:172 Resp: 142541

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	42.8
170	23.5	18.9	28.3



Instrument :
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ClientSampleId :
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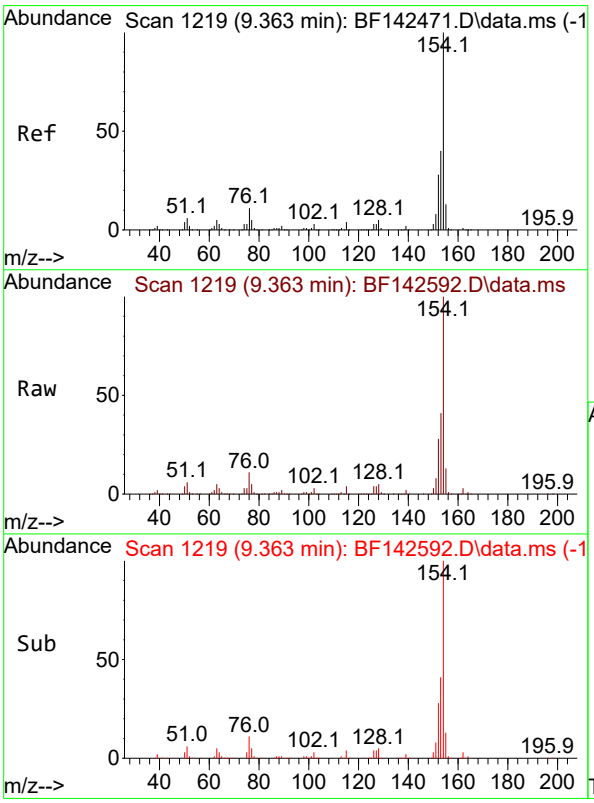
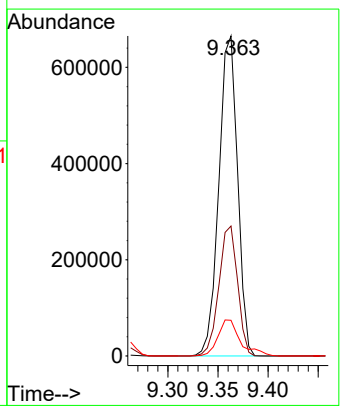
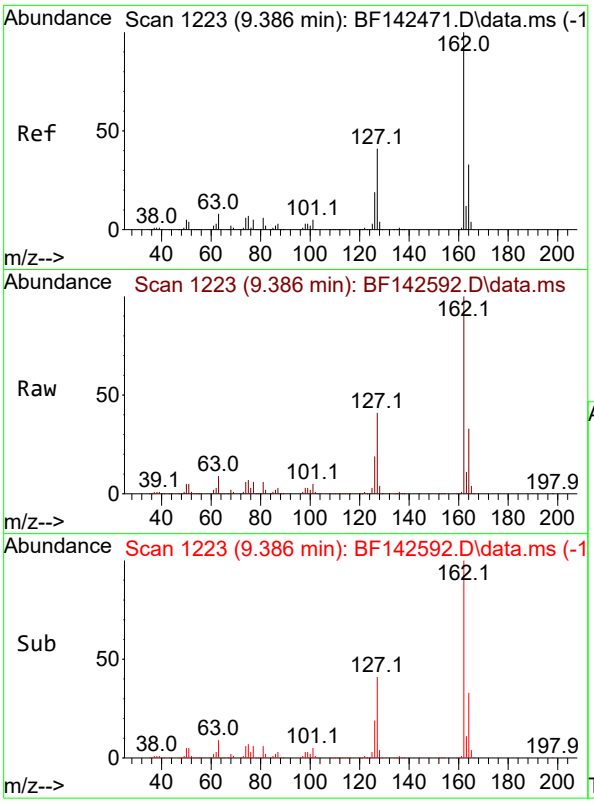


#46
1,1'-Biphenyl
Concen: 41.147 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:154 Resp: 860487

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.4	60.4
76	11.2	0.0	30.8

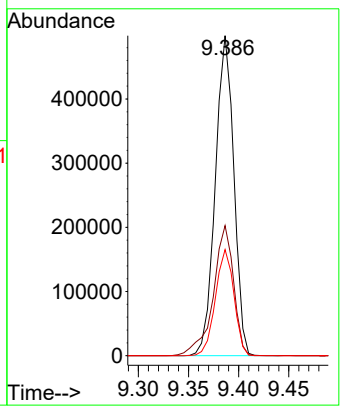




#47
2-Chloronaphthalene
Concen: 41.462 ng
RT: 9.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:162 Resp: 64063

Ion	Ratio	Lower	Upper
162	100		
127	40.7	33.5	50.3
164	33.2	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
PB168219BS

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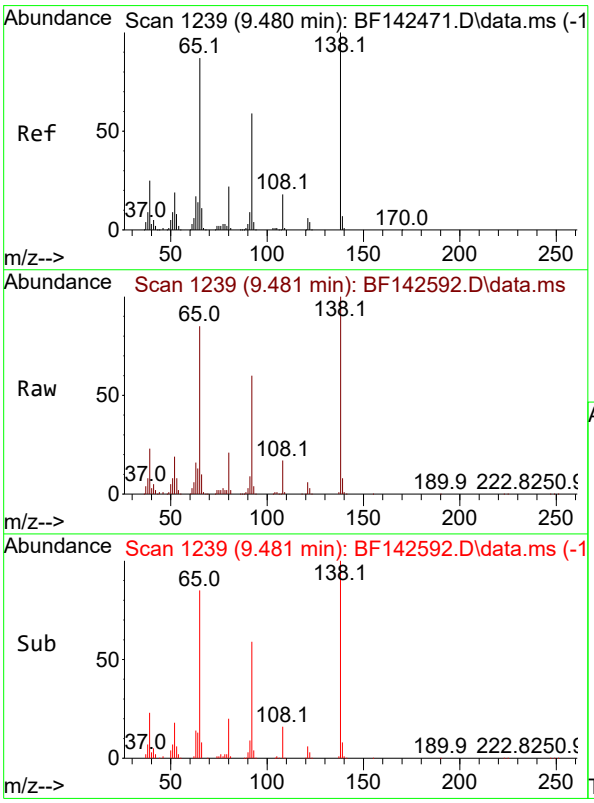
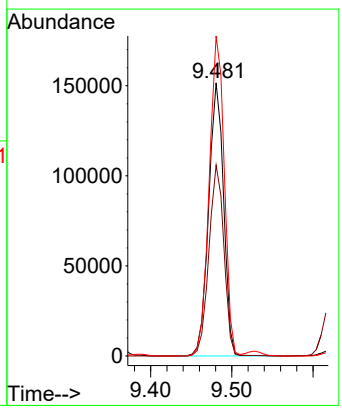
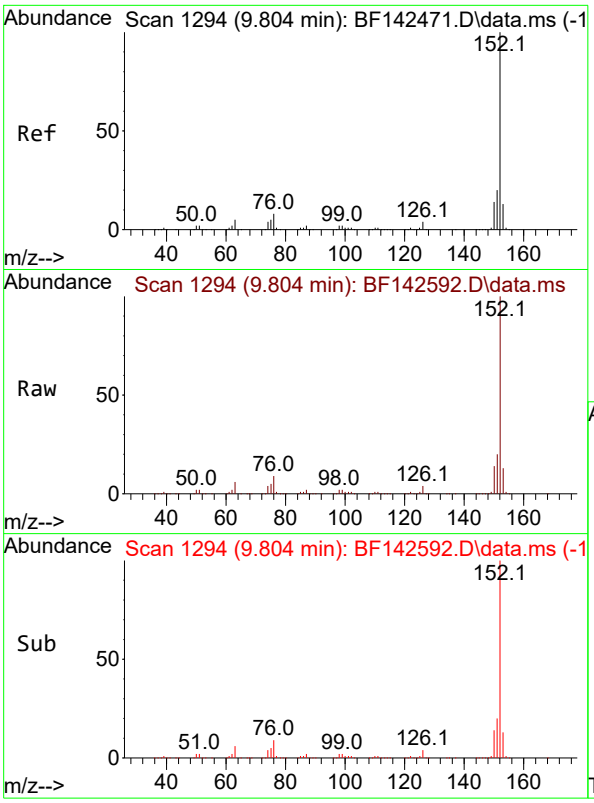


#48
2-Nitroaniline
Concen: 43.413 ng
RT: 9.481 min Scan# 1239
Delta R.T. -0.005 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion: 65 Resp: 193882

Ion	Ratio	Lower	Upper
65	100		
92	69.9	54.4	81.6
138	117.2	91.4	137.2

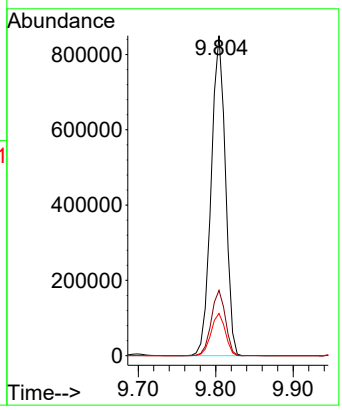




#49
Acenaphthylene
Concen: 41.558 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:152 Resp: 108425

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.8	23.8
153	13.2	10.6	15.8



Instrument :
BNA_F
ClientSampleId :
PB168219BS

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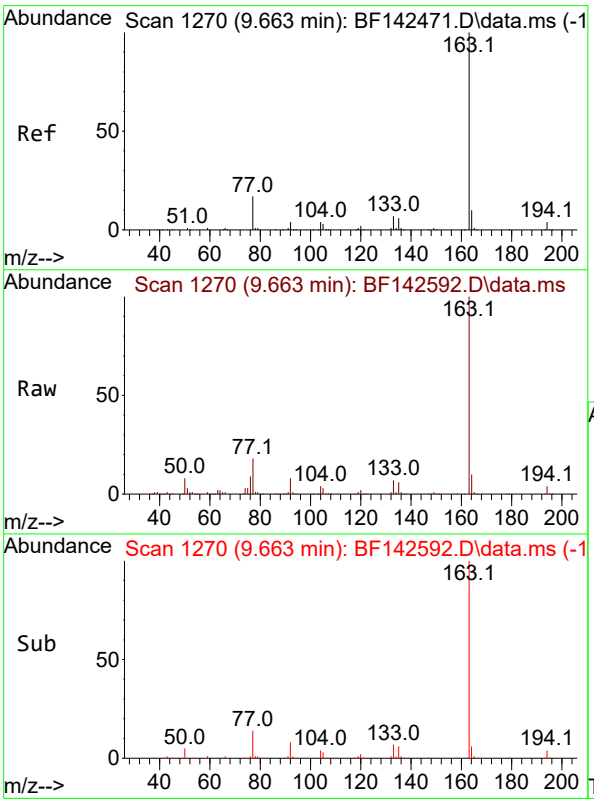
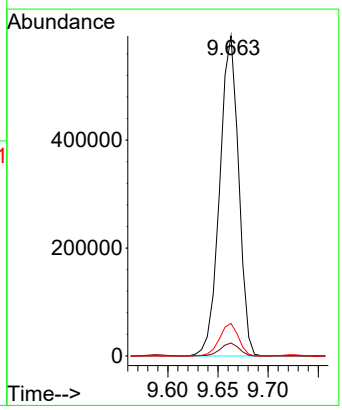
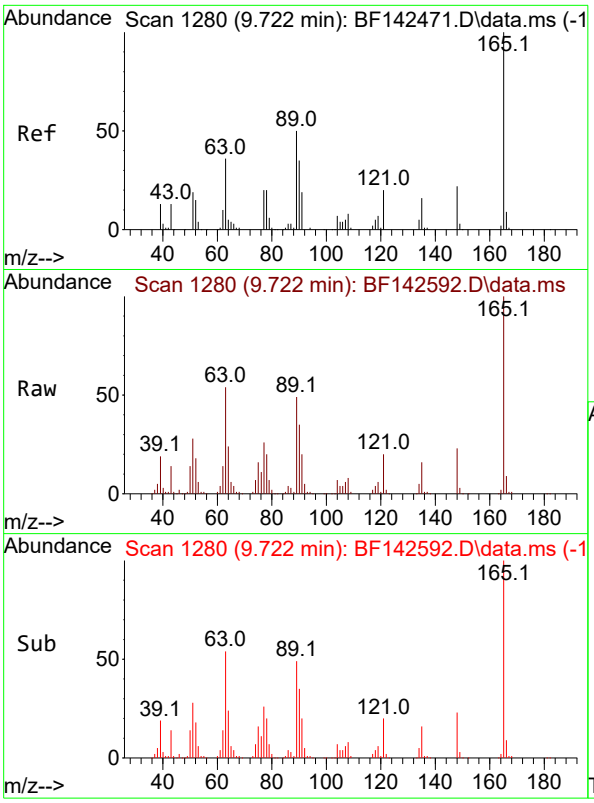


#50
Dimethylphthalate
Concen: 43.692 ng
RT: 9.663 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:163 Resp: 777119

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.1	8.2	12.4





#51
2,6-Dinitrotoluene
Concen: 45.238 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:165 Resp: 17366

Ion	Ratio	Lower	Upper
165	100		
63	53.5	42.9	64.3
89	48.8	40.2	60.4

Instrument :
BNA_F
ClientSampleId :
PB168219BS

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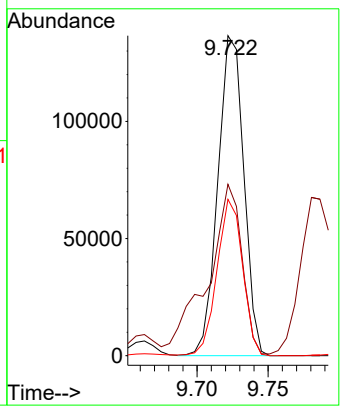
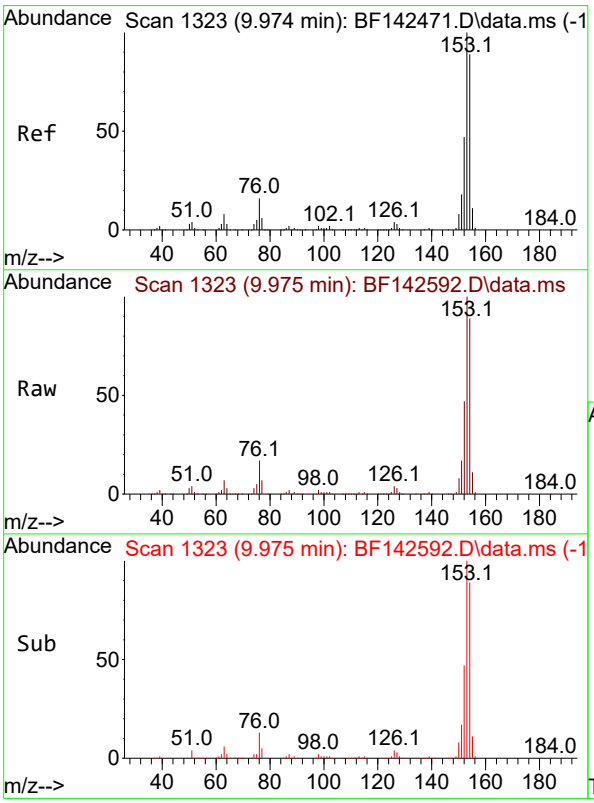
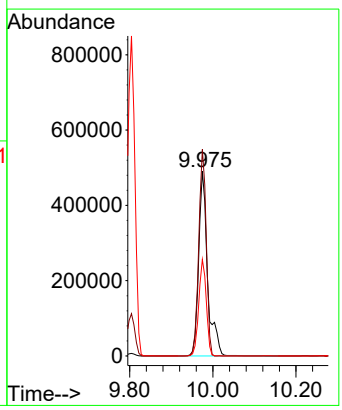


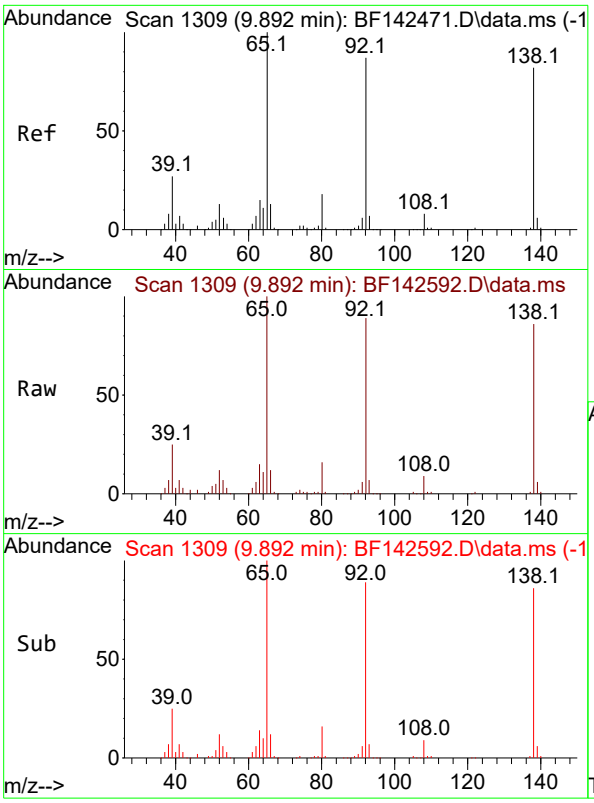


#52
Acenaphthene
Concen: 46.159 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.005 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:154 Resp: 735378

Ion	Ratio	Lower	Upper
154	100		
153	111.9	90.0	135.0
152	52.3	42.6	64.0





#53
3-Nitroaniline
Concen: 22.700 ng
RT: 9.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:138 Resp: 9518

Ion	Ratio	Lower	Upper
138	100		
108	10.0	8.1	12.1
92	104.0	85.2	127.8

Instrument :
BNA_F
ClientSampleId :
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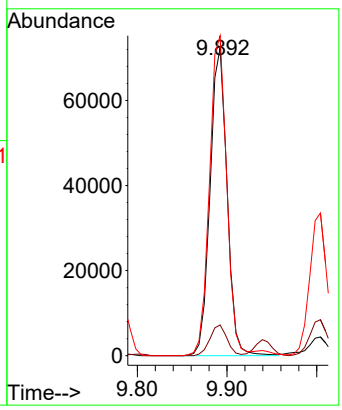
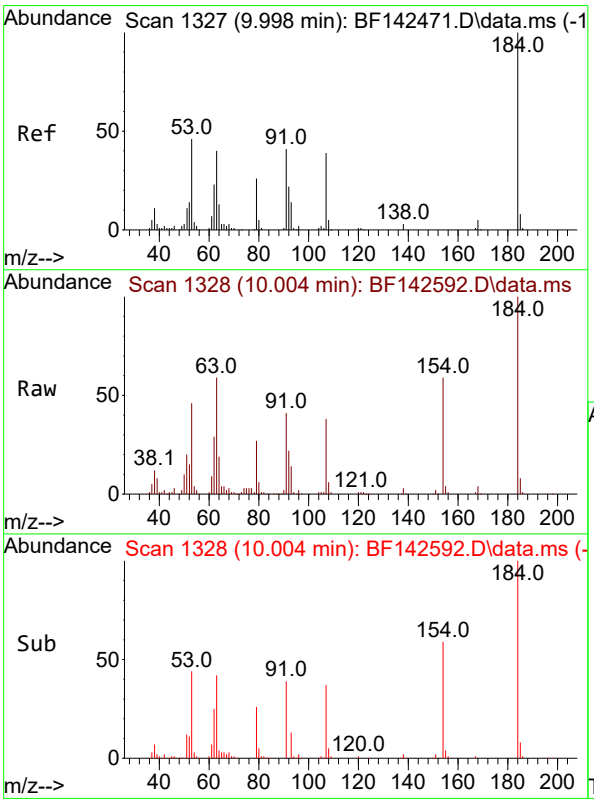
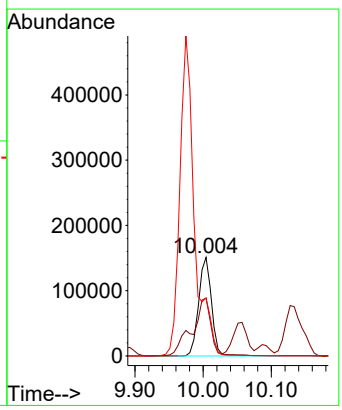


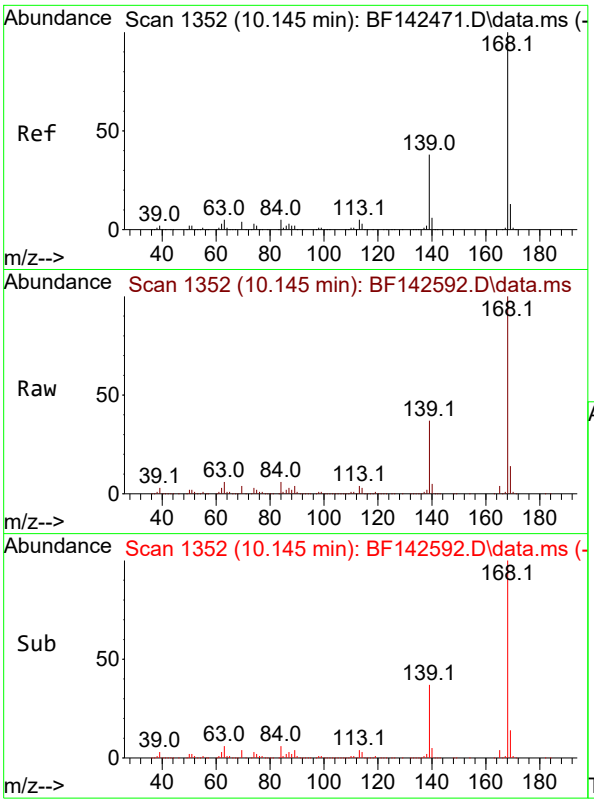


#54
2,4-Dinitrophenol
Concen: 100.306 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:184 Resp: 198936

Ion	Ratio	Lower	Upper
184	100		
63	58.6	46.3	69.5
154	59.0	56.8	85.2

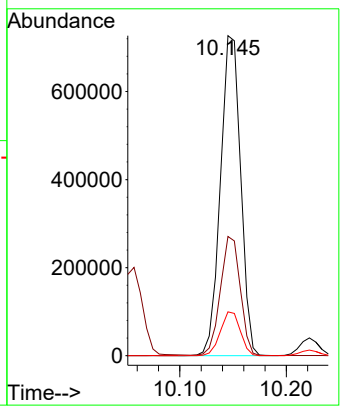




#55
Dibenzofuran
Concen: 41.680 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:168 Resp: 95554

Ion	Ratio	Lower	Upper
168	100		
139	37.3	30.2	45.2
169	13.7	10.7	16.1



Instrument :
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ClientSampleId :
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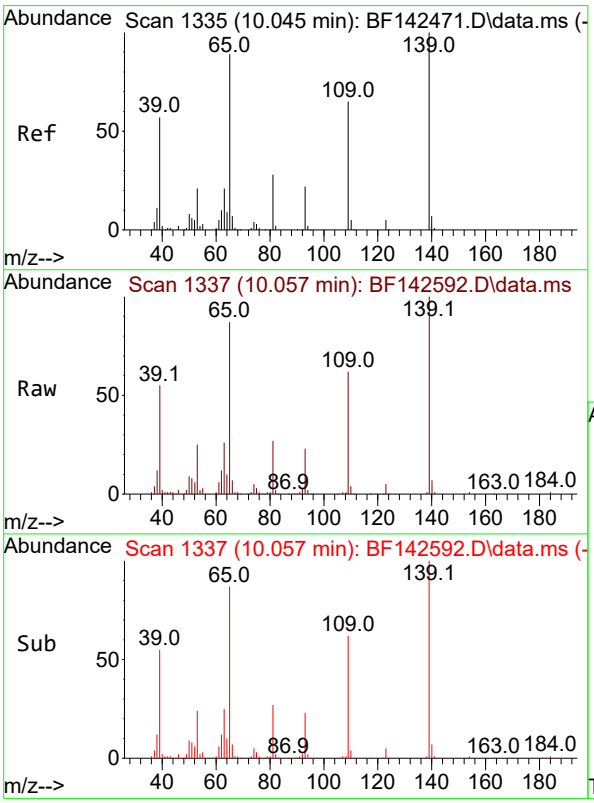
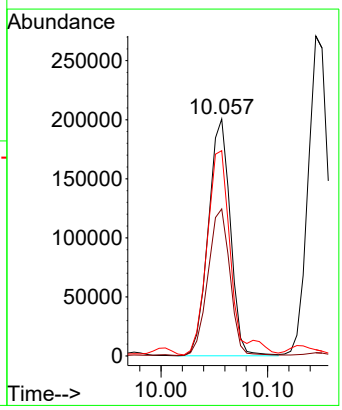
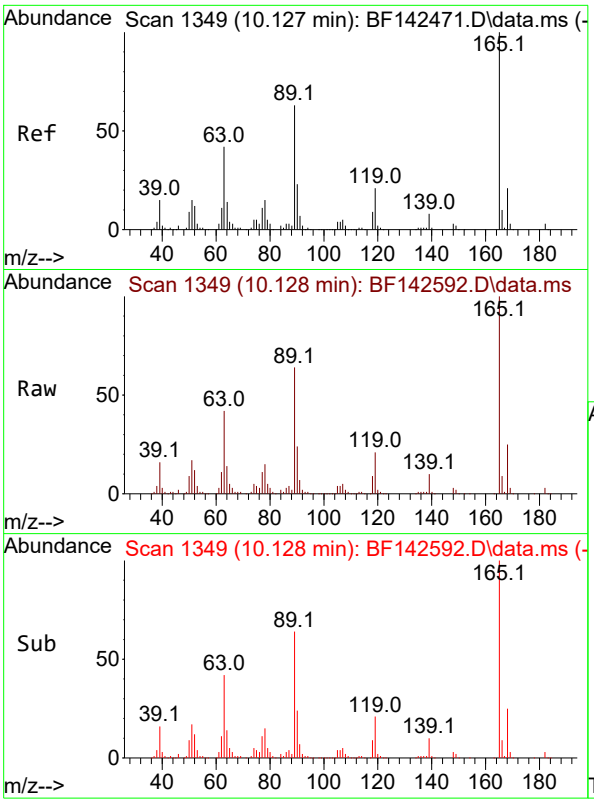


#56
4-Nitrophenol
Concen: 92.784 ng
RT: 10.057 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:139 Resp: 287048

Ion	Ratio	Lower	Upper
139	100		
109	62.1	45.1	85.1
65	86.7	69.7	109.7

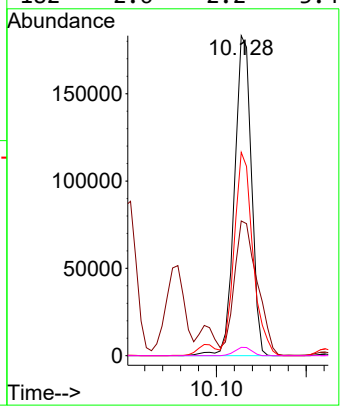




#57
2,4-Dinitrotoluene
Concen: 47.746 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:165 Resp: 23937

Ion	Ratio	Lower	Upper
165	100		
63	42.1	33.6	50.4
89	63.5	50.2	75.4
182	2.6	2.2	3.4



Instrument :
BNA_F
ClientSampleId :
PB168219BS

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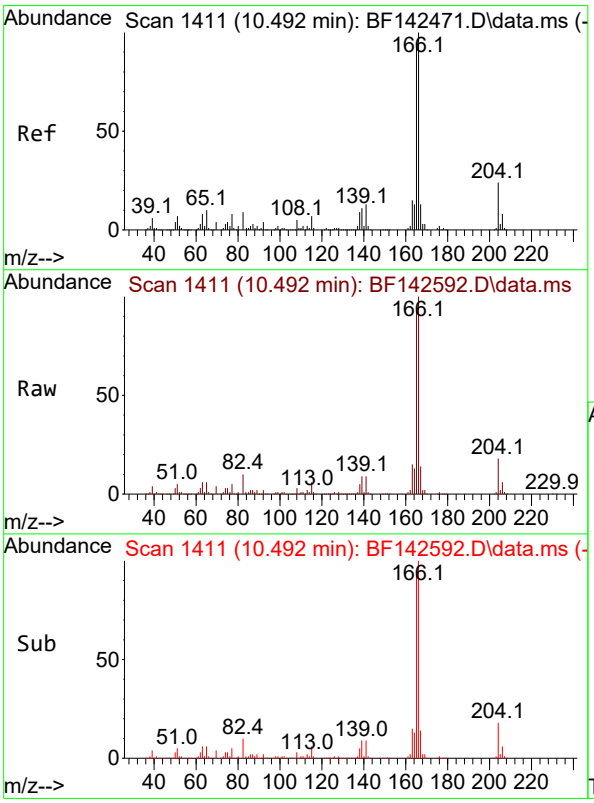
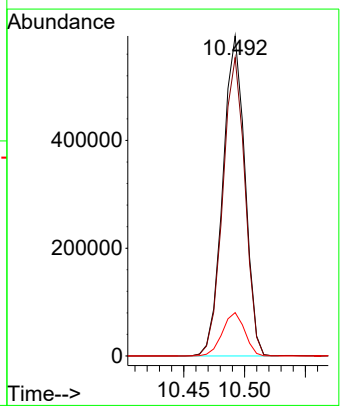
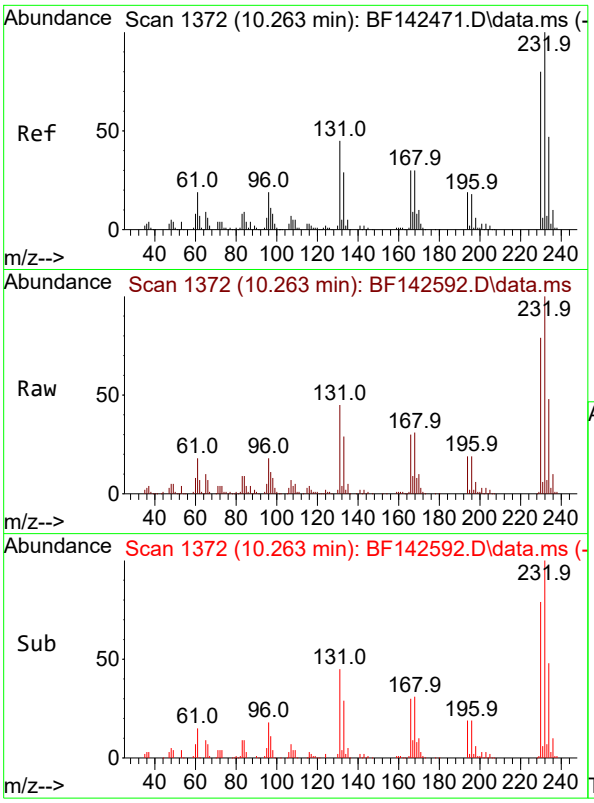


#58
Fluorene
Concen: 42.268 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:166 Resp: 748620

Ion	Ratio	Lower	Upper
166	100		
165	93.3	75.8	113.8
167	13.6	10.6	16.0

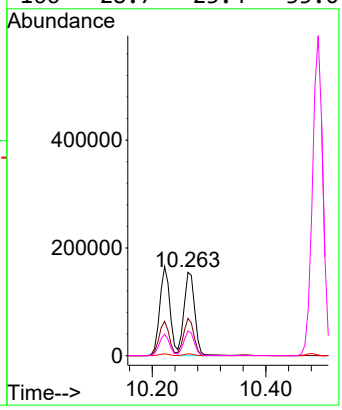




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.923 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:232 Resp: 20177

Ion	Ratio	Lower	Upper
232	100		
131	44.0	35.2	52.8
130	2.1	1.7	2.5
166	28.7	23.4	35.0



Instrument :
BNA_F
ClientSampleId :
PB168219BS

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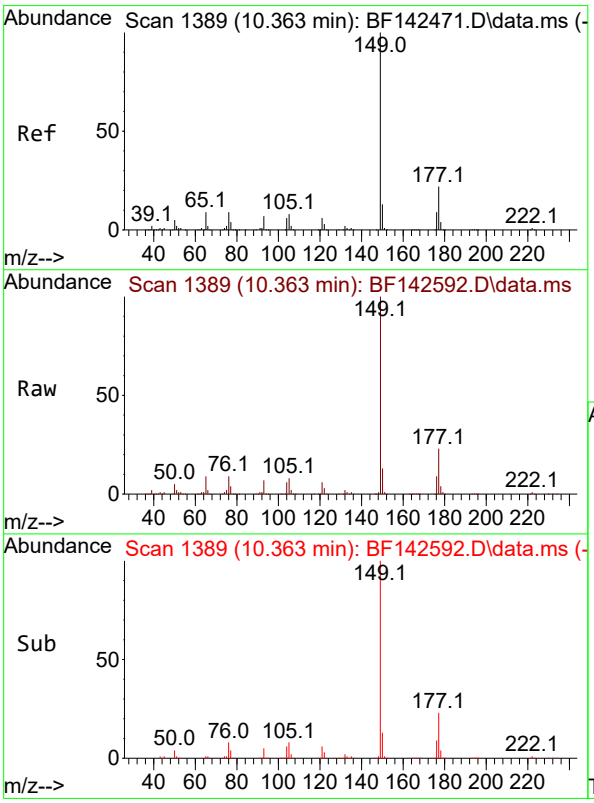
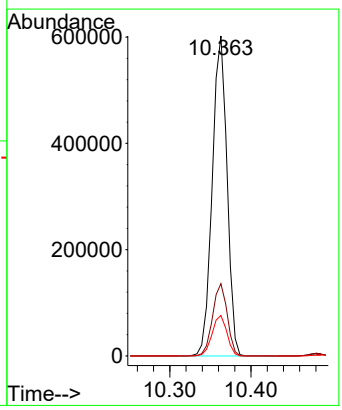
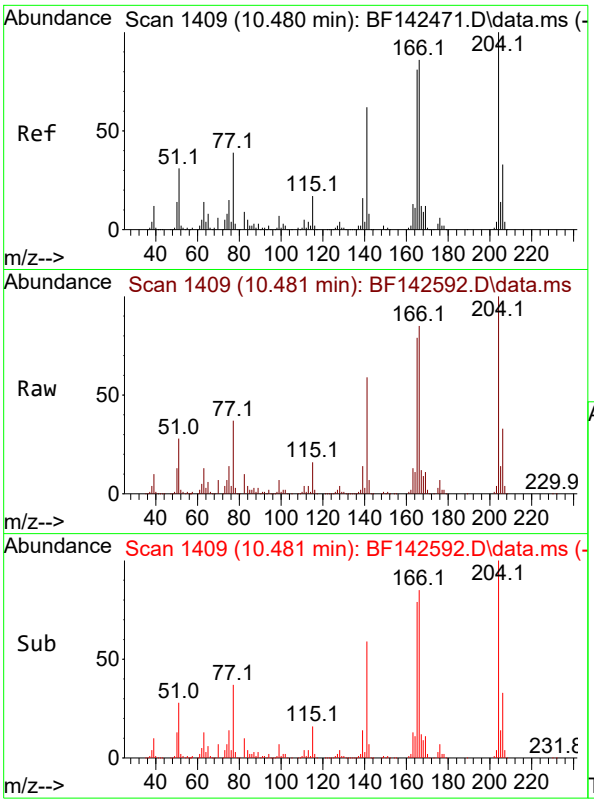


#60
Diethylphthalate
Concen: 43.740 ng
RT: 10.363 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:149 Resp: 759799

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.6	26.4
150	12.7	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 41.981 ng
RT: 10.481 min Scan# 14
Delta R.T. -0.005 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Instrument :
BNA_F
ClientSampleId :
PB168219BS

Tgt Ion:204 Resp: 36525

Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.3	39.5
141	59.0	49.5	74.3

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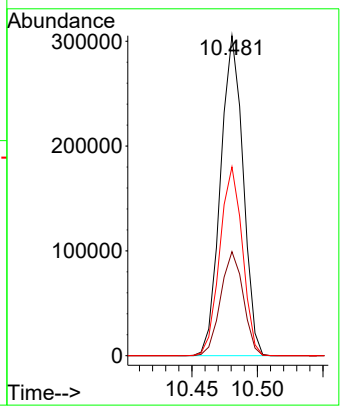
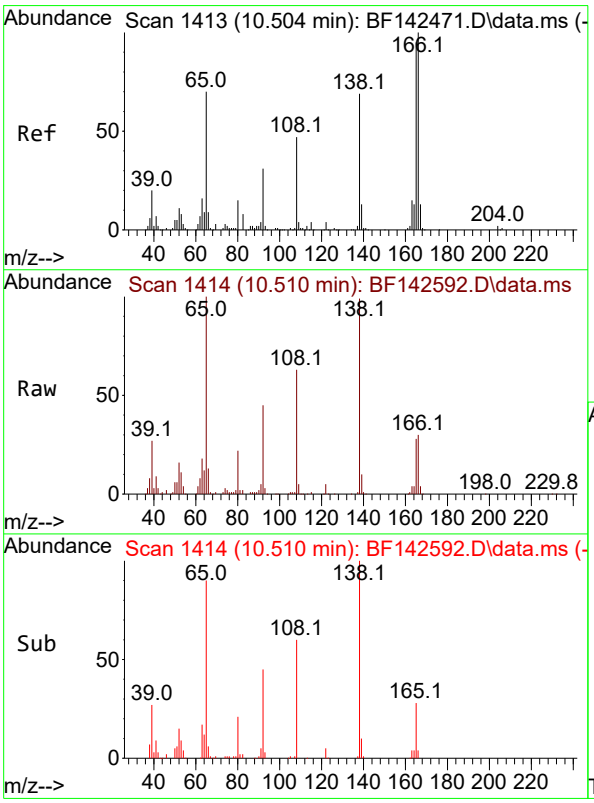
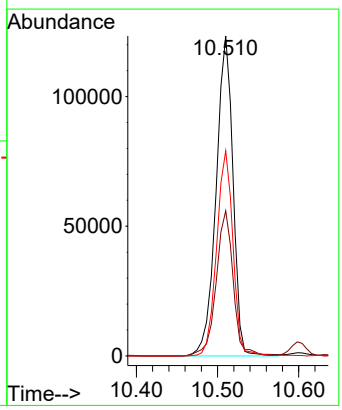


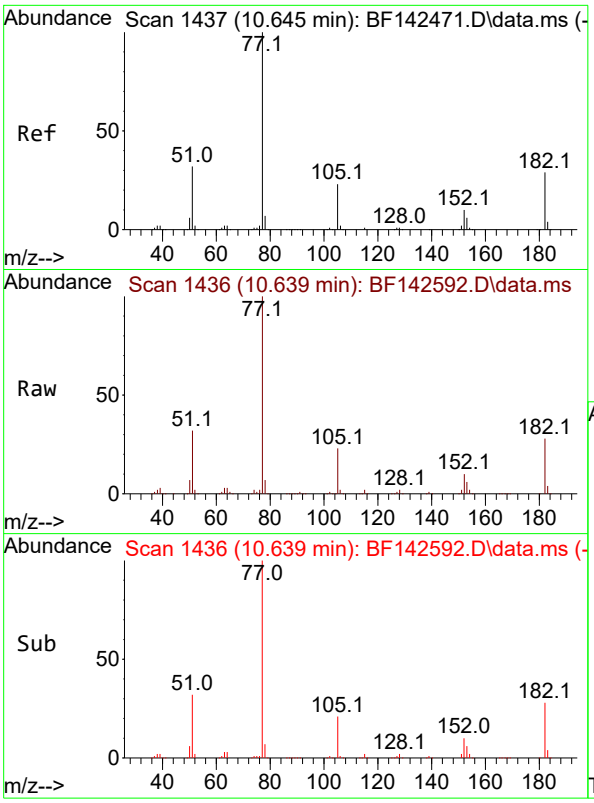


#62
4-Nitroaniline
Concen: 47.025 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:138 Resp: 178824

Ion	Ratio	Lower	Upper
138	100		
92	45.4	26.0	66.0
108	64.1	48.4	88.4





#63
Azobenzene
Concen: 42.920 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Instrument :
BNA_F
ClientSampleId :
PB168219BS

Tgt Ion: 77 Resp: 66964

Ion	Ratio	Lower	Upper
77	100		
182	27.8	9.0	49.0
105	22.6	2.4	42.4
51	32.5	13.5	53.5

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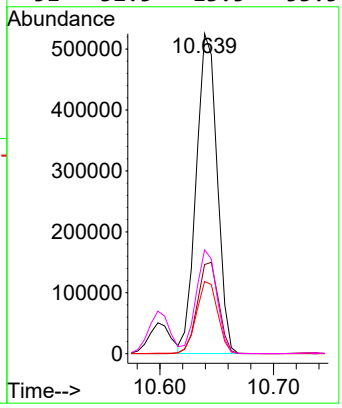
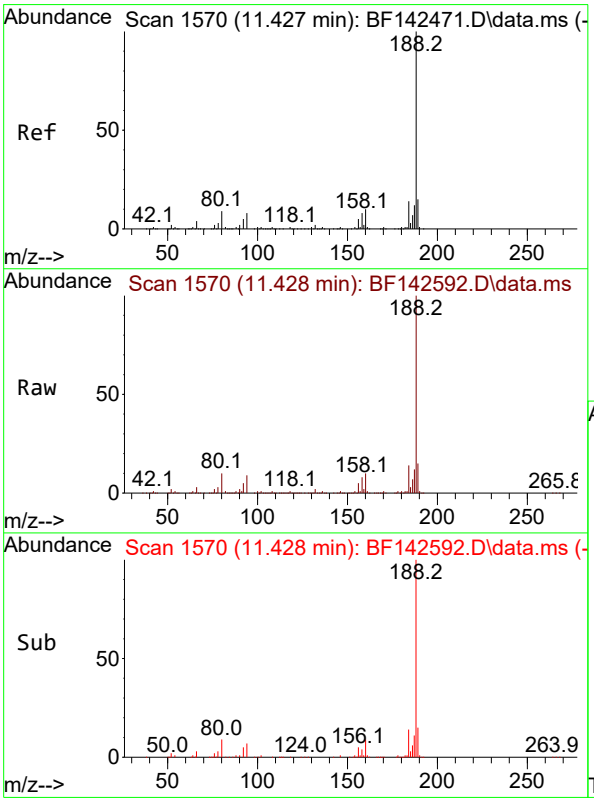
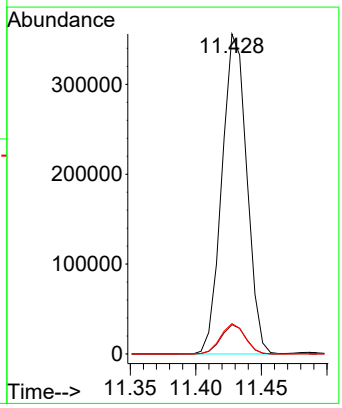


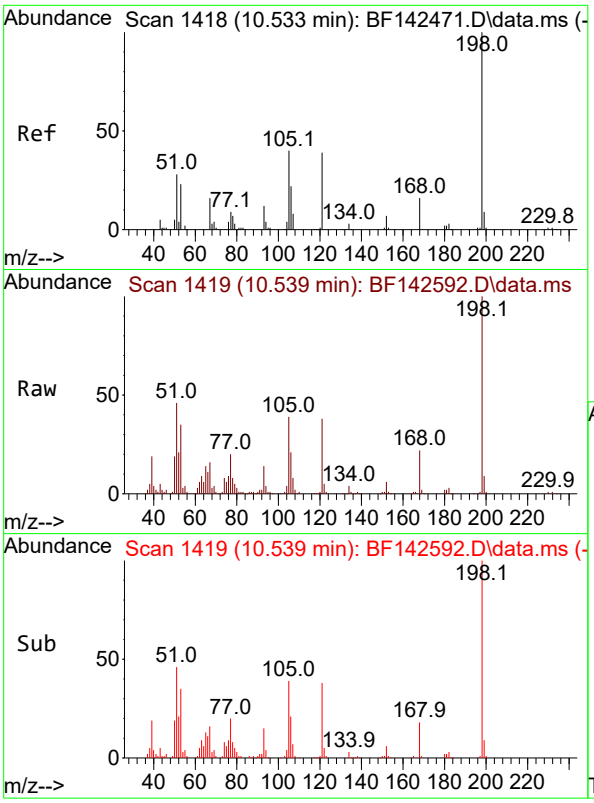


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:188 Resp: 469369

Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.6	10.0
80	9.5	7.4	11.0

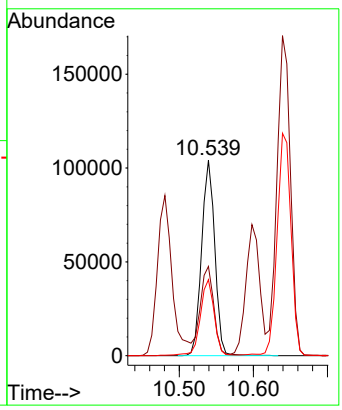




#65
4,6-Dinitro-2-methylphenol
Concen: 49.106 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:198 Resp: 12863

Ion	Ratio	Lower	Upper
198	100		
51	45.7	28.3	68.3
105	38.9	21.3	61.3



Instrument :
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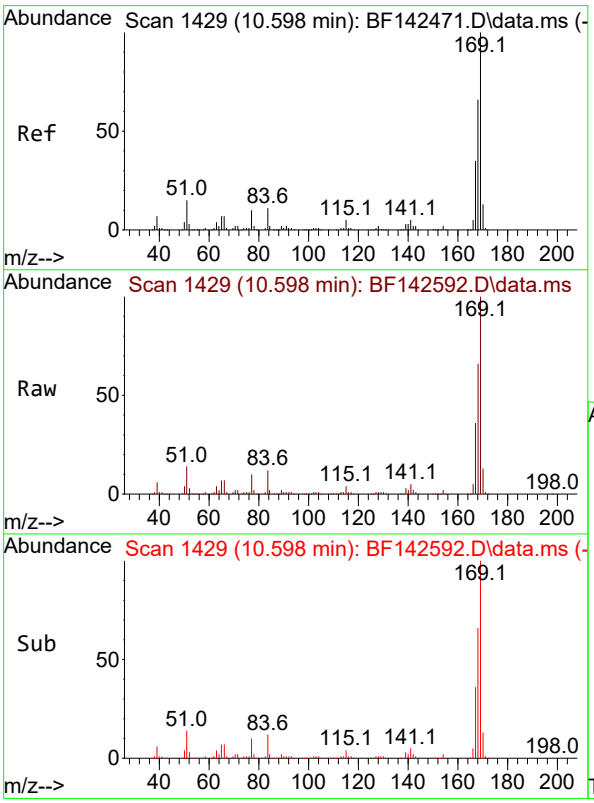
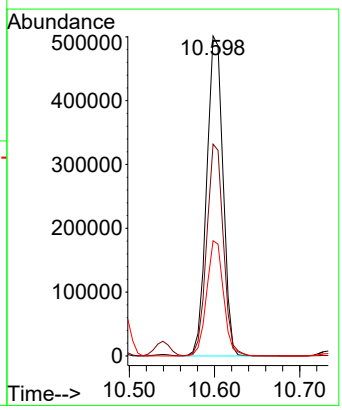
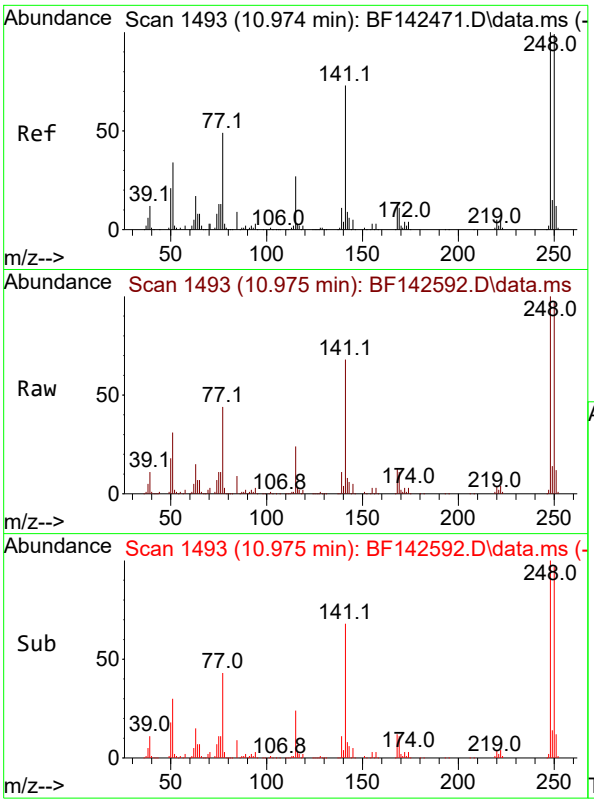


#66
n-Nitrosodiphenylamine
Concen: 41.424 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:169 Resp: 665183

Ion	Ratio	Lower	Upper
169	100		
168	66.2	52.7	79.1
167	36.0	28.3	42.5

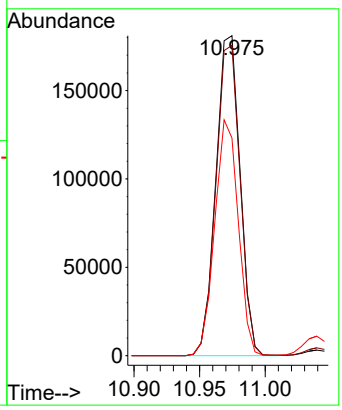




#67
4-Bromophenyl-phenylether
Concen: 41.941 ng
RT: 10.975 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:248 Resp: 23277

Ion	Ratio	Lower	Upper
248	100		
250	97.0	79.0	118.4
141	68.0	58.4	87.6



Instrument :
BNA_F
ClientSampleId :
PB168219BS

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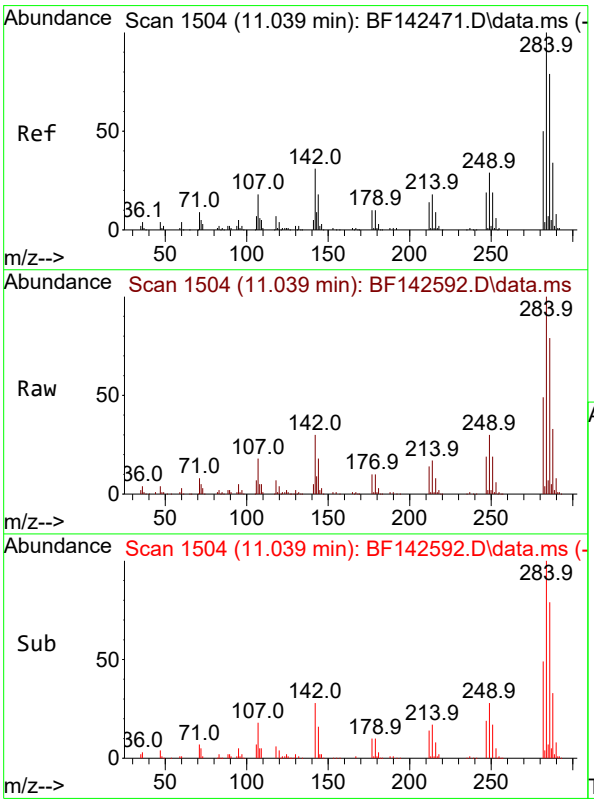
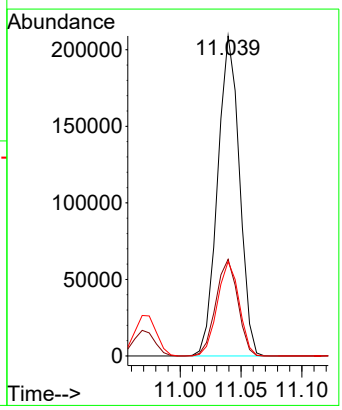
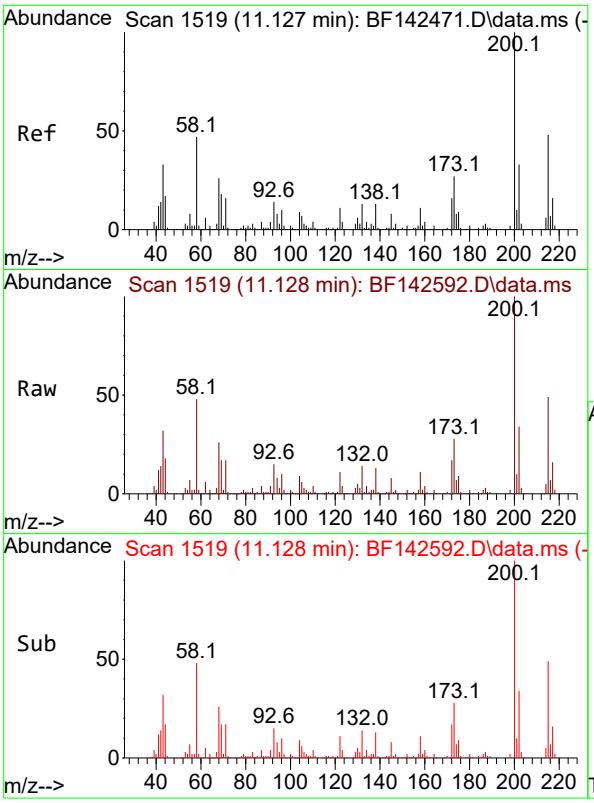


#68
Hexachlorobenzene
Concen: 42.470 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:284 Resp: 260699

Ion	Ratio	Lower	Upper
284	100		
142	30.2	24.8	37.2
249	29.5	23.6	35.4

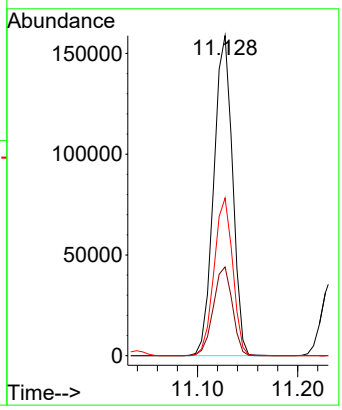




#69
Atrazine
Concen: 48.348 ng
RT: 11.128 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:200 Resp: 20618

Ion	Ratio	Lower	Upper
200	100		
173	27.7	7.4	47.4
215	49.3	28.5	68.5



Instrument :
BNA_F
ClientSampleId :
PB168219BS

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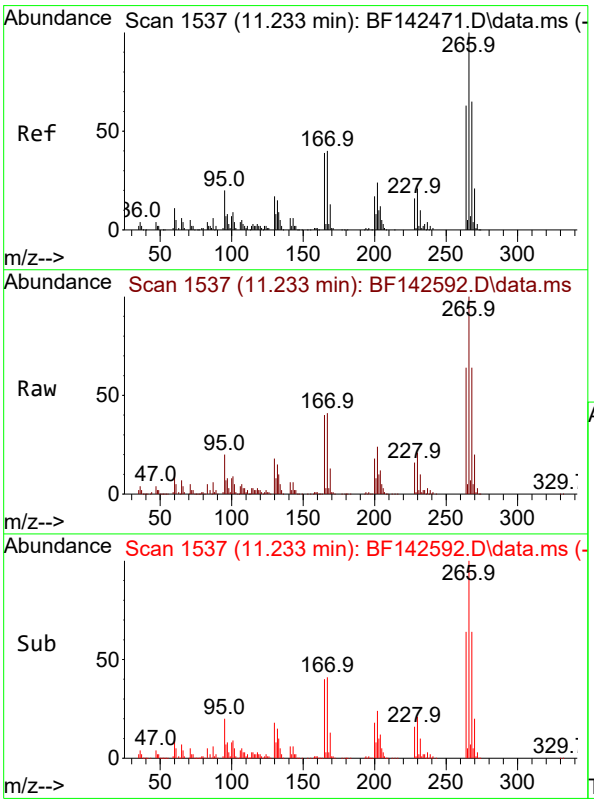
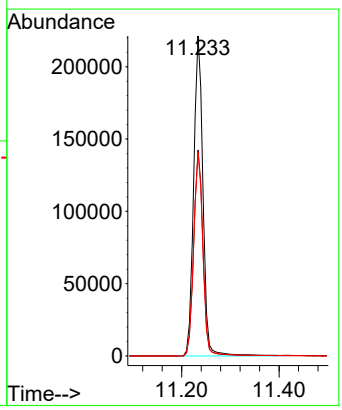
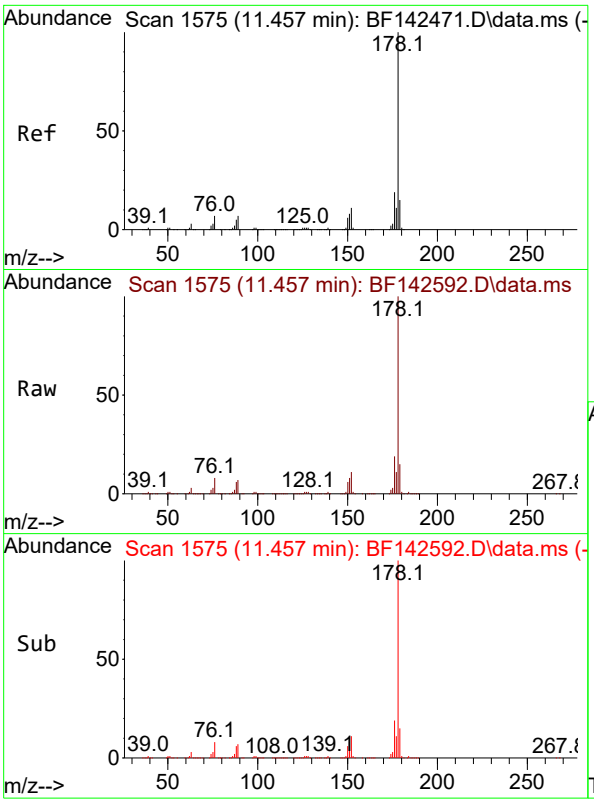


#70
Pentachlorophenol
Concen: 85.247 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:266 Resp: 295434

Ion	Ratio	Lower	Upper
266	100		
268	64.4	51.7	77.5
264	63.6	50.4	75.6

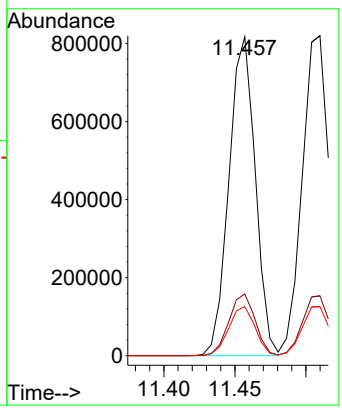




#71
Phenanthrene
Concen: 41.973 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:178 Resp: 105285

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.4	12.3	18.5



Instrument :
BNA_F
ClientSampleId :
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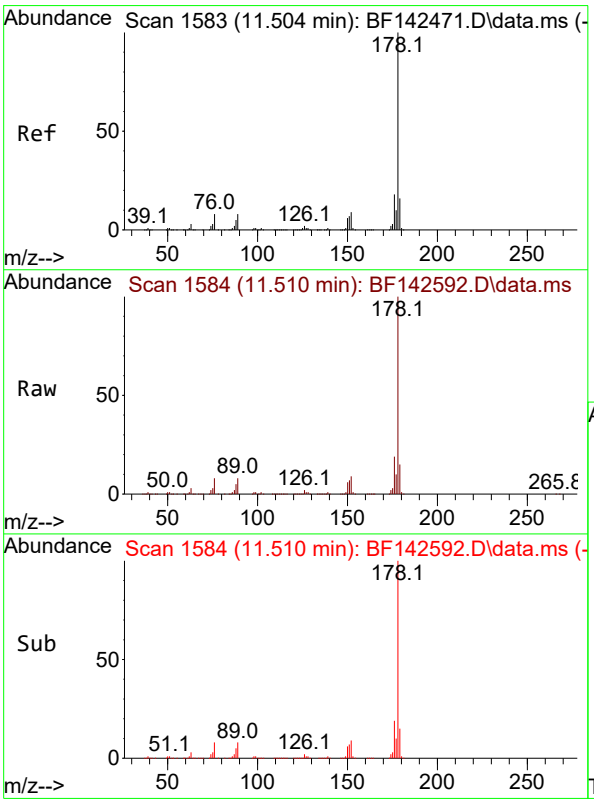
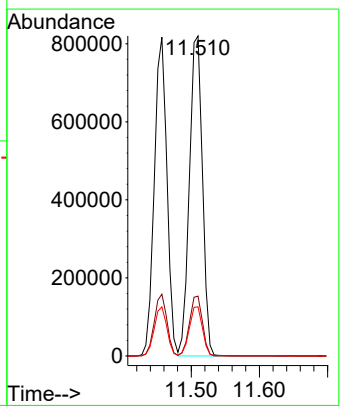
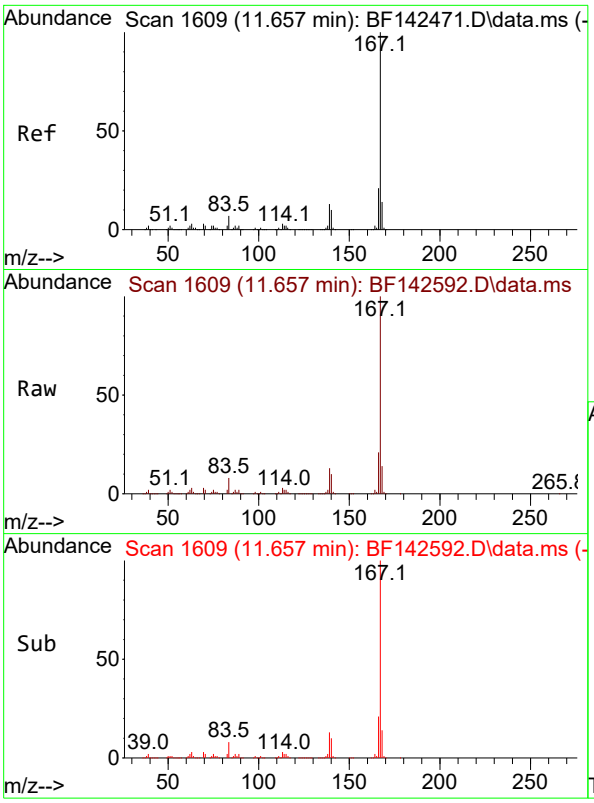


#72
Anthracene
Concen: 42.274 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:178 Resp: 1082231

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	21.8
179	15.3	12.4	18.6





#73
Carbazole
Concen: 44.090 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:167 Resp: 96492

Ion	Ratio	Lower	Upper
167	100		
166	21.1	16.9	25.3
139	12.6	10.2	15.4

Instrument :
BNA_F
ClientSampleId :
PB168219BS

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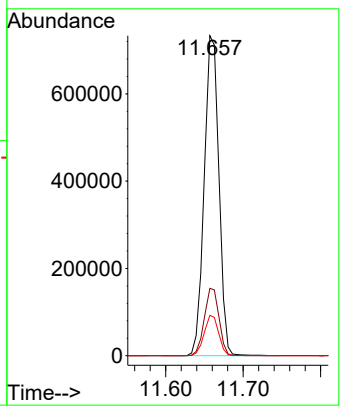
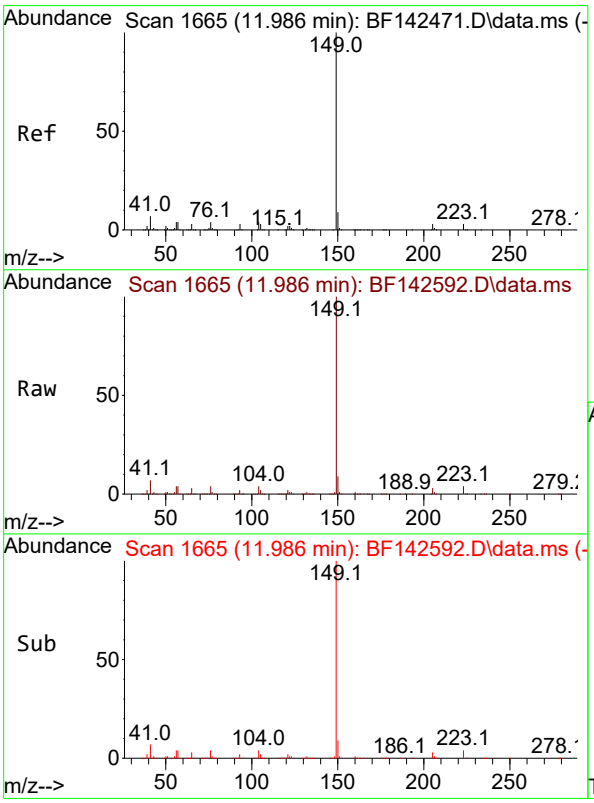
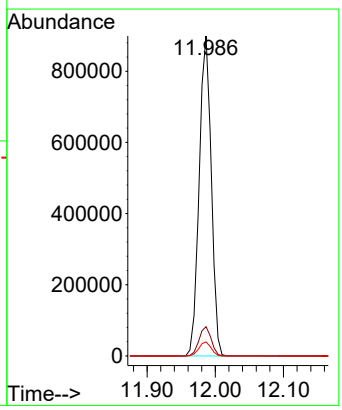


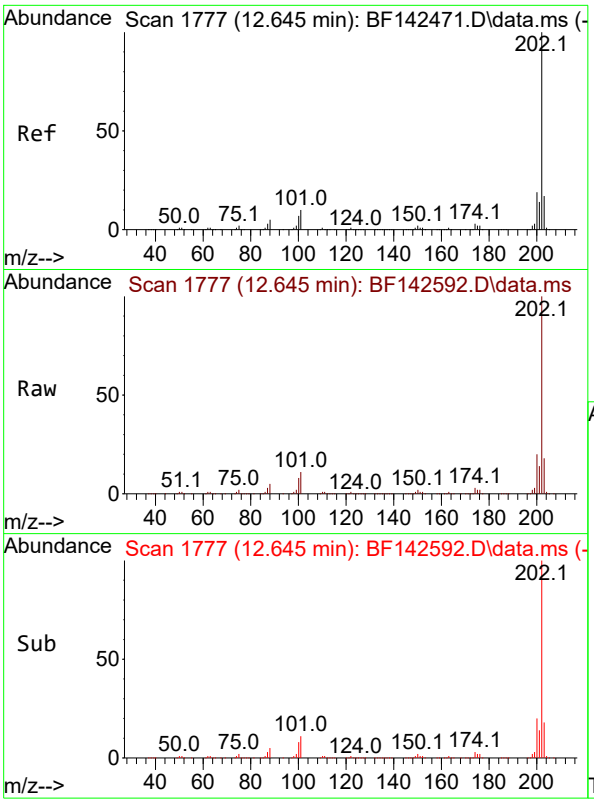


#74
Di-n-butylphthalate
Concen: 46.162 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:149 Resp: 1105835

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.4	3.6	5.4

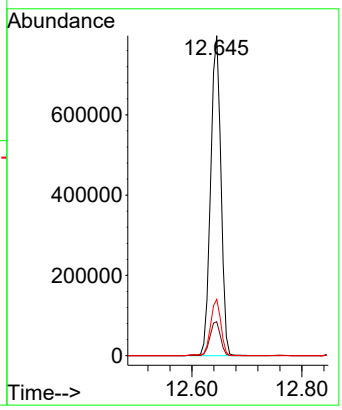




#75
Fluoranthene
Concen: 44.126 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:202 Resp: 103424

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	29.6
203	17.6	0.0	37.2



Instrument :
BNA_F
ClientSampleId :
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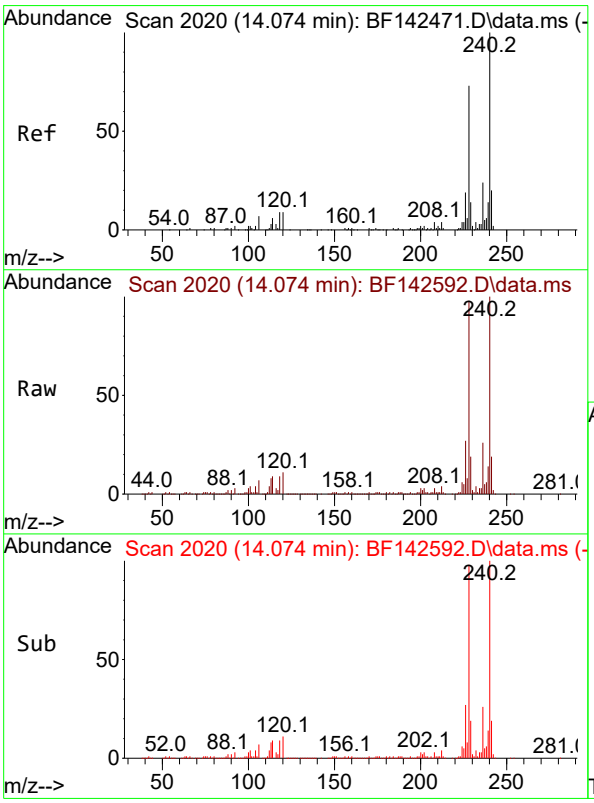
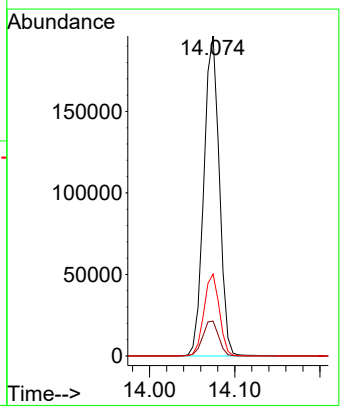
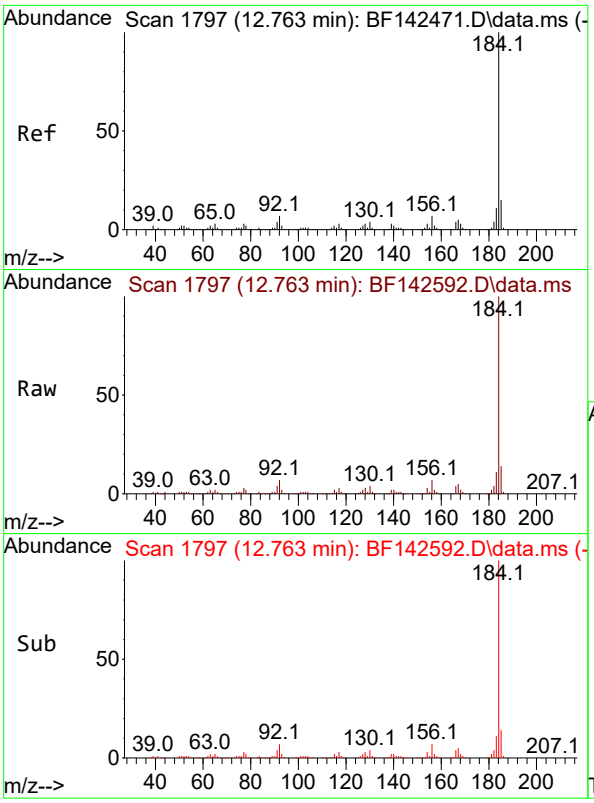


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:240 Resp: 247434

Ion	Ratio	Lower	Upper
240	100		
120	10.9	7.5	11.3
236	25.6	19.6	29.4

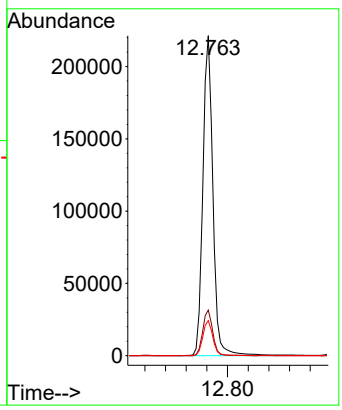




#77
Benzidine
Concen: 32.379 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:184 Resp: 29814

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.6	17.4
183	10.9	9.0	13.4



Instrument :
BNA_F
ClientSampleId :
PB168219BS

Manual Integrations
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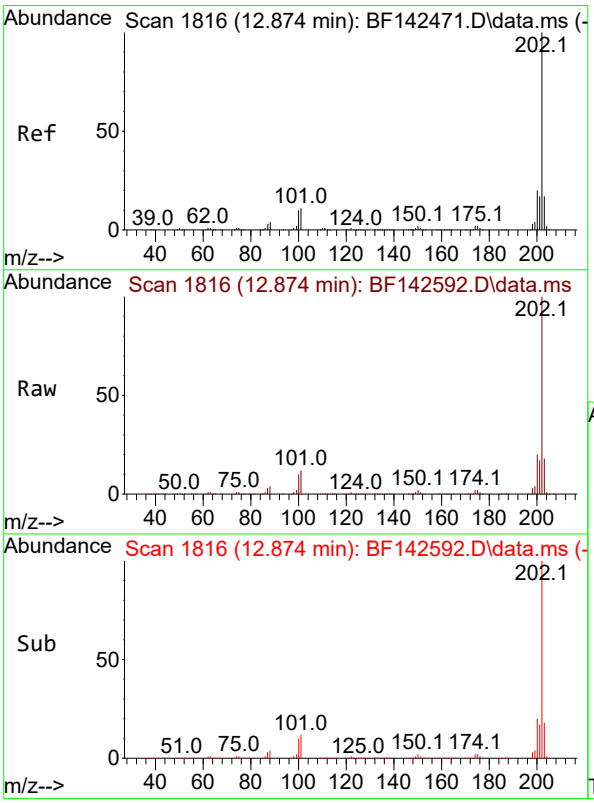
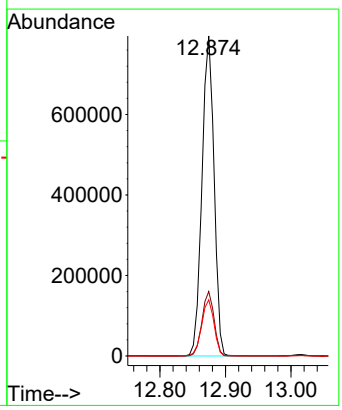
Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

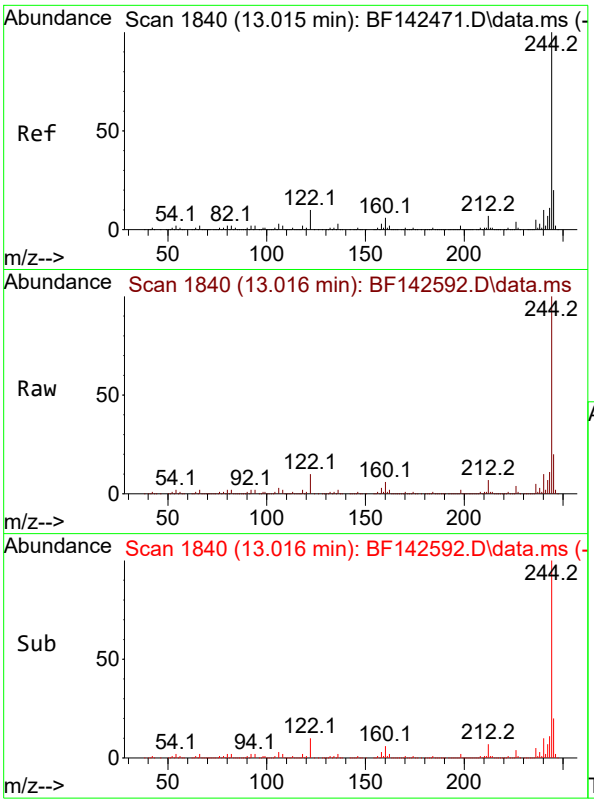


#78
Pyrene
Concen: 44.267 ng
RT: 12.874 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:202 Resp: 1021768

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.1	24.1
203	17.5	13.9	20.9

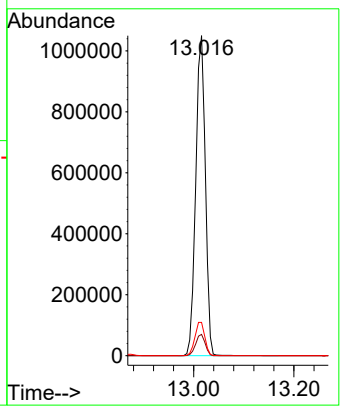




#79
Terphenyl-d14
Concen: 76.863 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:244 Resp: 139172

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	10.4	8.2	12.2



Instrument :
BNA_F
ClientSampleId :
PB168219BS

Manual Integrations
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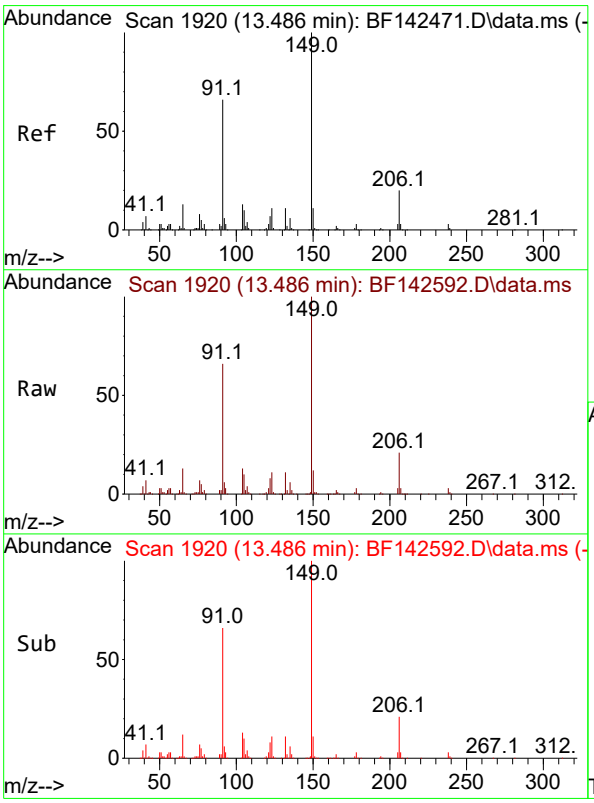
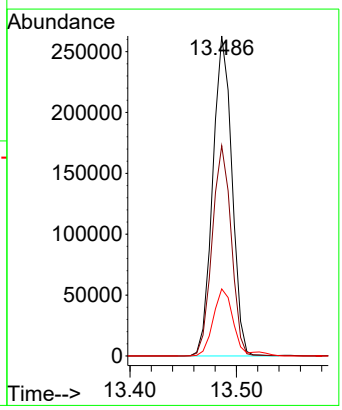
Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

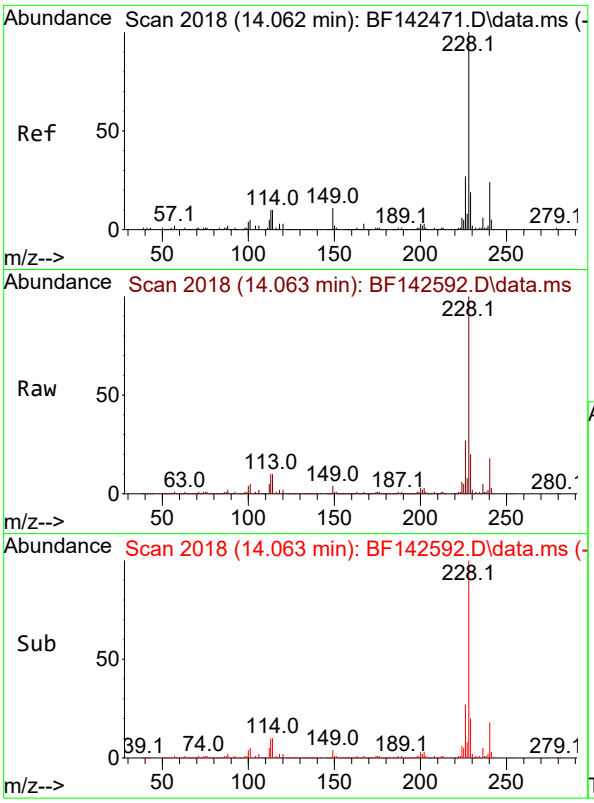


#80
Butylbenzylphthalate
Concen: 51.490 ng
RT: 13.486 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:149 Resp: 328403

Ion	Ratio	Lower	Upper
149	100		
91	65.7	52.9	79.3
206	21.0	16.2	24.2

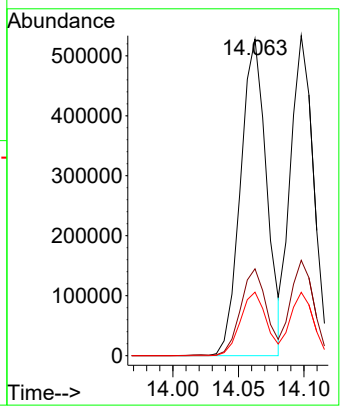




#81
Benzo(a)anthracene
Concen: 44.288 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:228 Resp: 731754

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.2	31.8
229	20.1	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
PB168219BS

Manual Integrations
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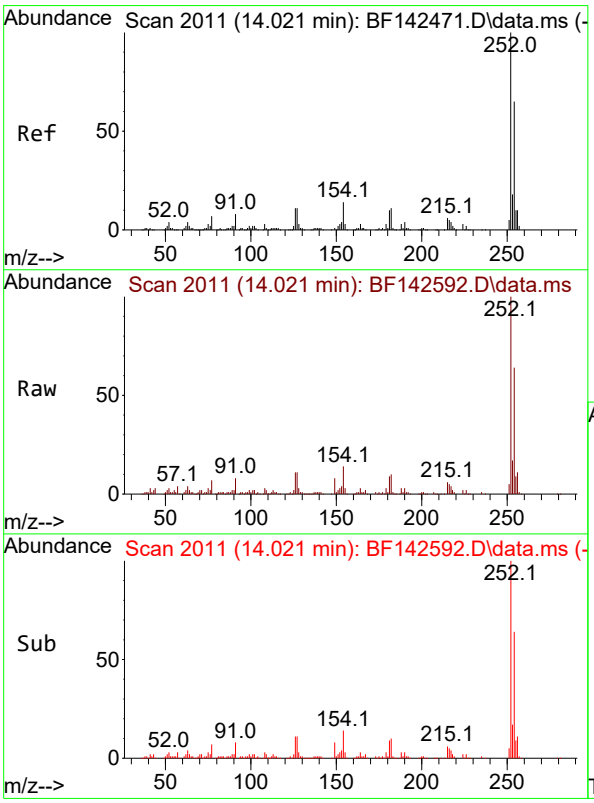
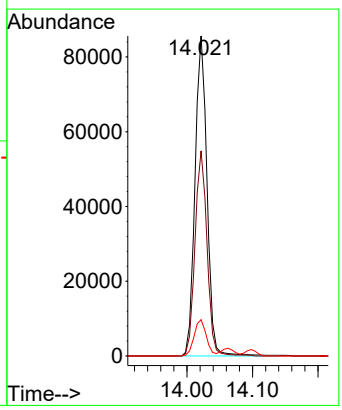
Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

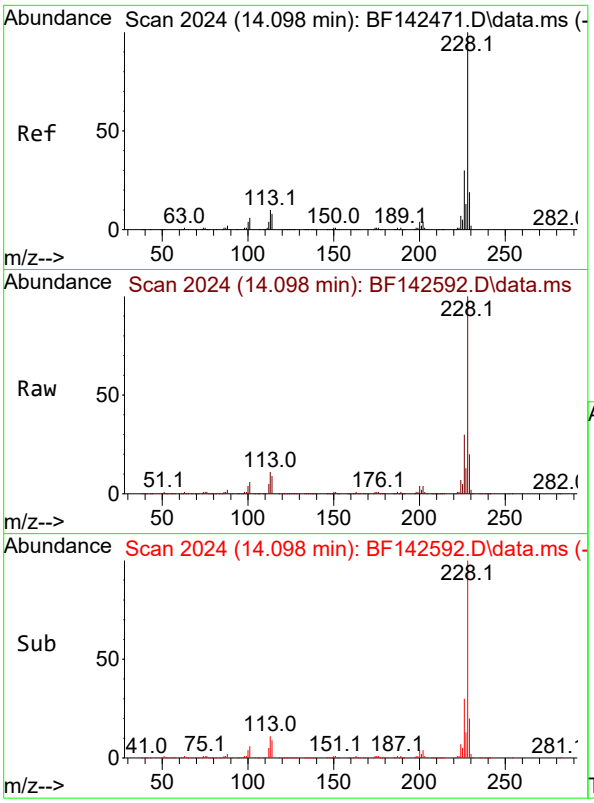


#82
3,3'-Dichlorobenzidine
Concen: 21.778 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:252 Resp: 109138

Ion	Ratio	Lower	Upper
252	100		
254	64.1	52.0	78.0
126	11.4	8.9	13.3





#83
Chrysene
Concen: 43.629 ng
RT: 14.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Instrument :
BNA_F
ClientSampleId :
PB168219BS

Tgt Ion:228 Resp: 64774

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.6
229	19.8	15.4	23.2

Manual Integrations
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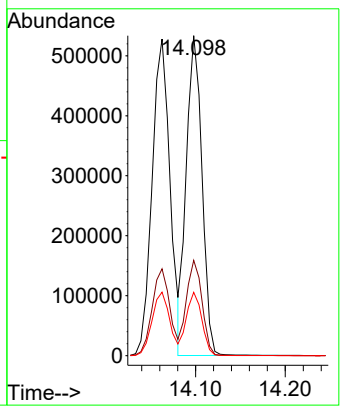
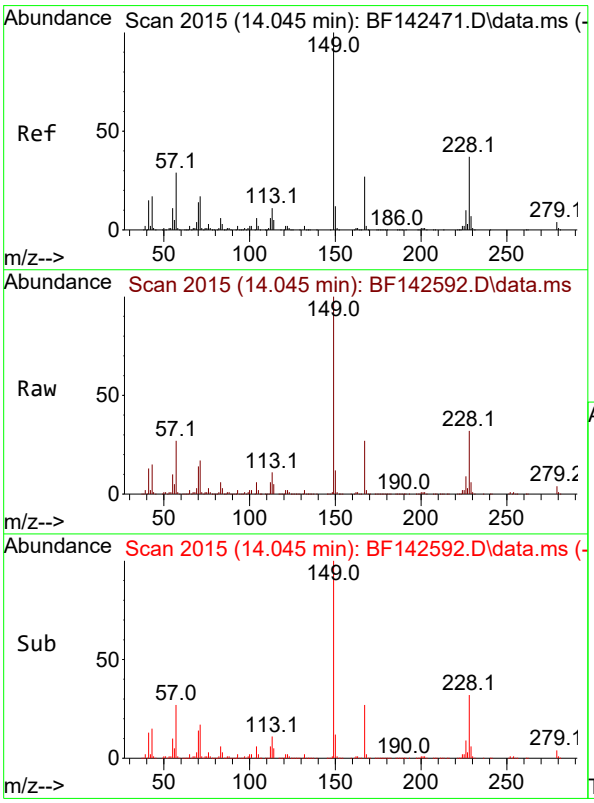
Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

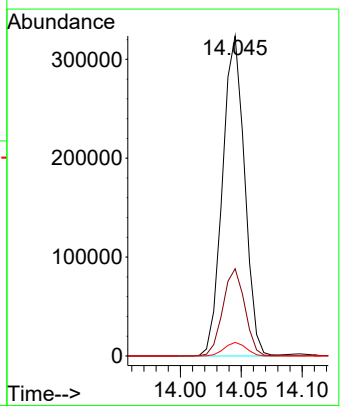


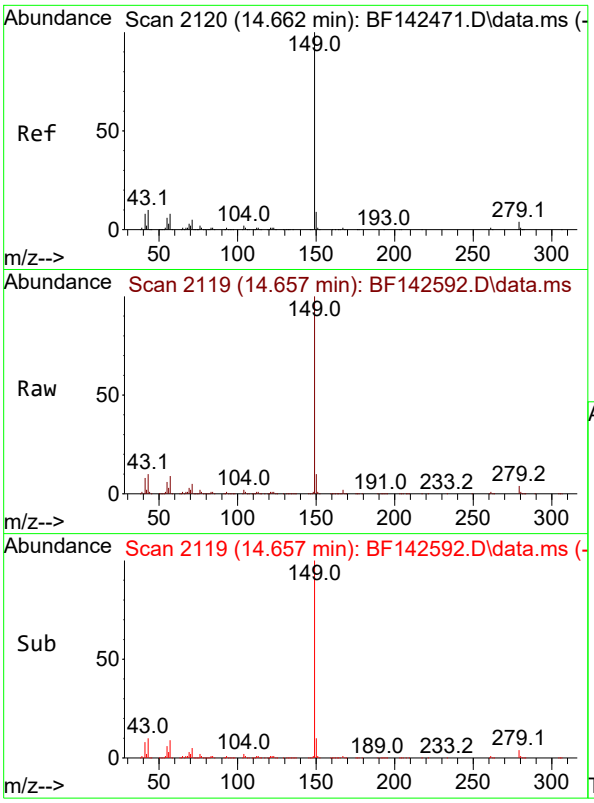


#84
Bis(2-ethylhexyl)phthalate
Concen: 50.017 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:149 Resp: 408375

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.5	32.3
279	4.2	3.2	4.8





#85
Di-n-octyl phthalate
Concen: 43.975 ng
RT: 14.657 min Scan# 21
Delta R.T. -0.011 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:149 Resp: 70204

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.7	7.9	11.9

Instrument :
BNA_F
ClientSampleId :
PB168219BS

Manual Integrations
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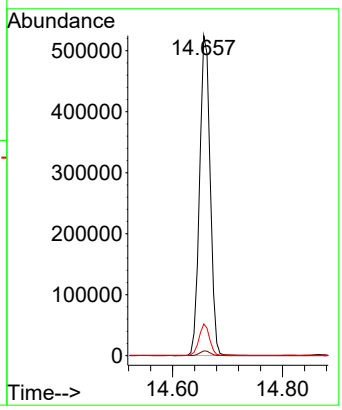
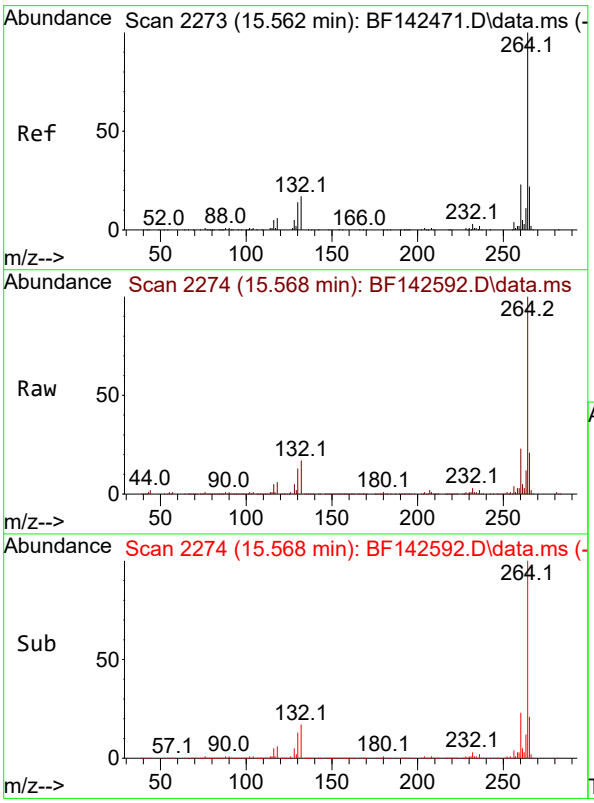
Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

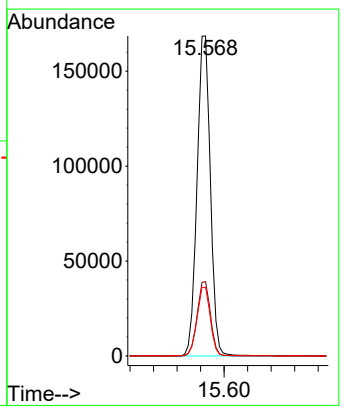


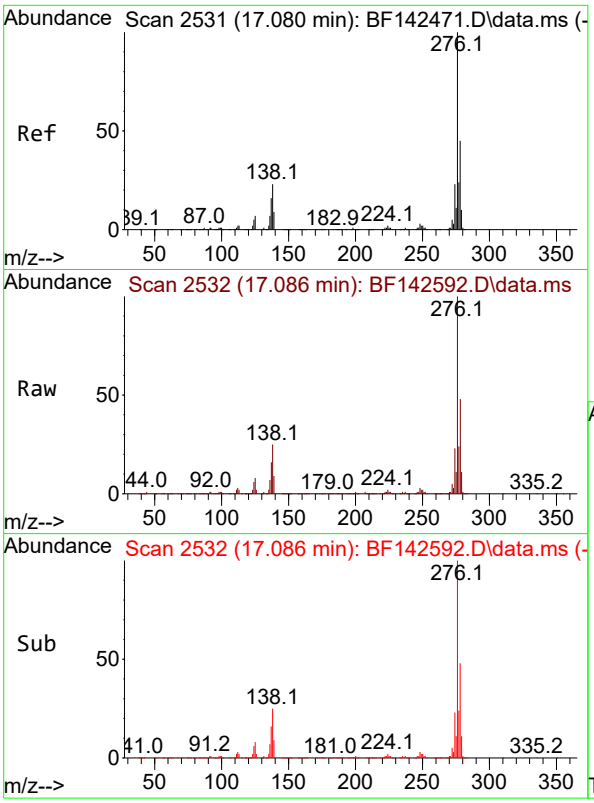


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:264 Resp: 265001

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.4	17.7	26.5

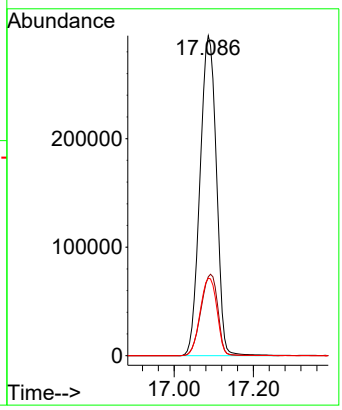




#87
Indeno(1,2,3-cd)pyrene
Concen: 42.553 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:276 Resp: 84657

Ion	Ratio	Lower	Upper
276	100		
138	26.2	19.9	29.9
277	25.0	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
PB168219BS

Manual Integrations
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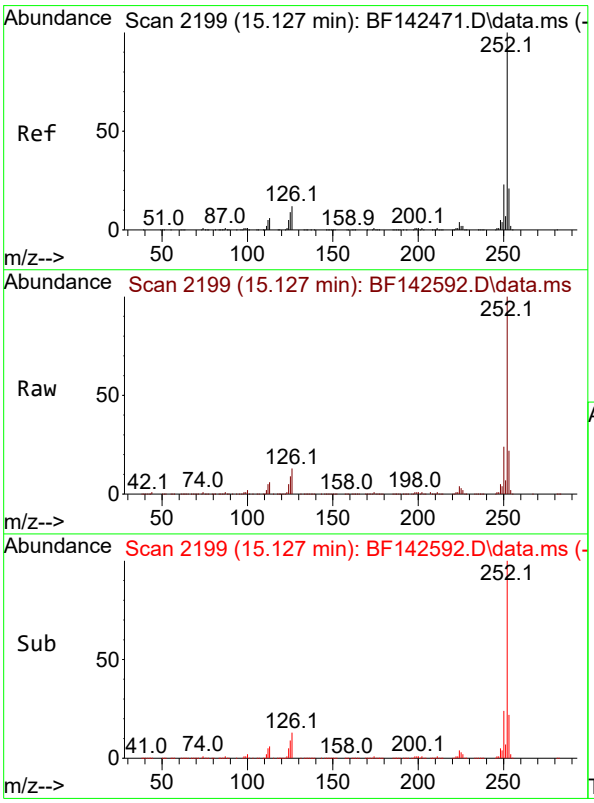
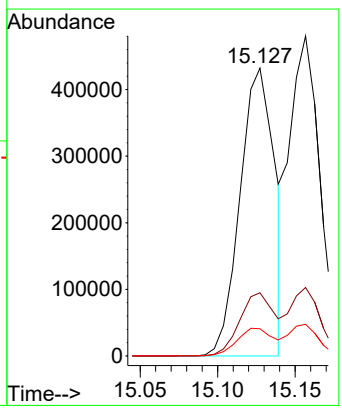
Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

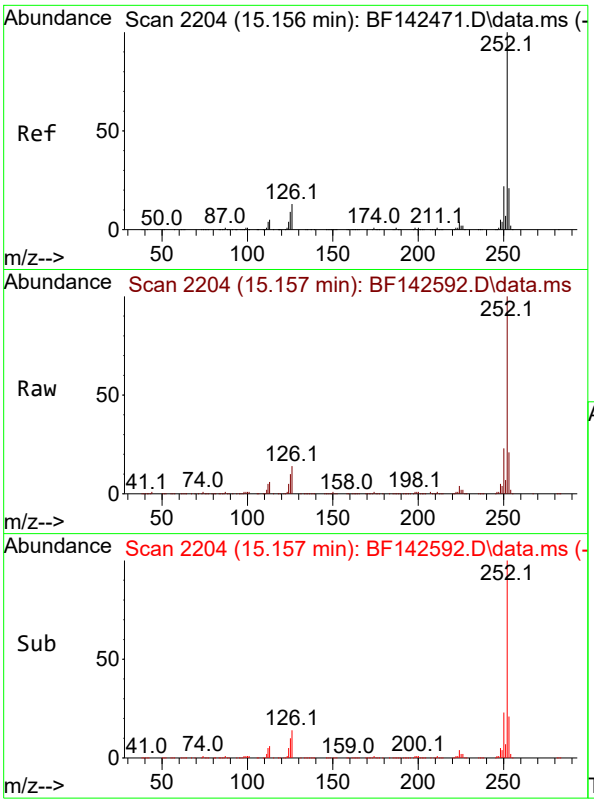


#88
Benzo(b)fluoranthene
Concen: 42.625 ng
RT: 15.127 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:252 Resp: 668530

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.4
125	9.5	7.4	11.0

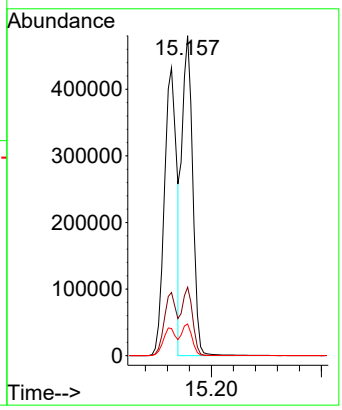




#89
Benzo(k)fluoranthene
Concen: 44.577 ng
RT: 15.157 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:252 Resp: 65483

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.0	25.4
125	9.9	7.3	10.9



Instrument :
BNA_F
ClientSampleId :
PB168219BS

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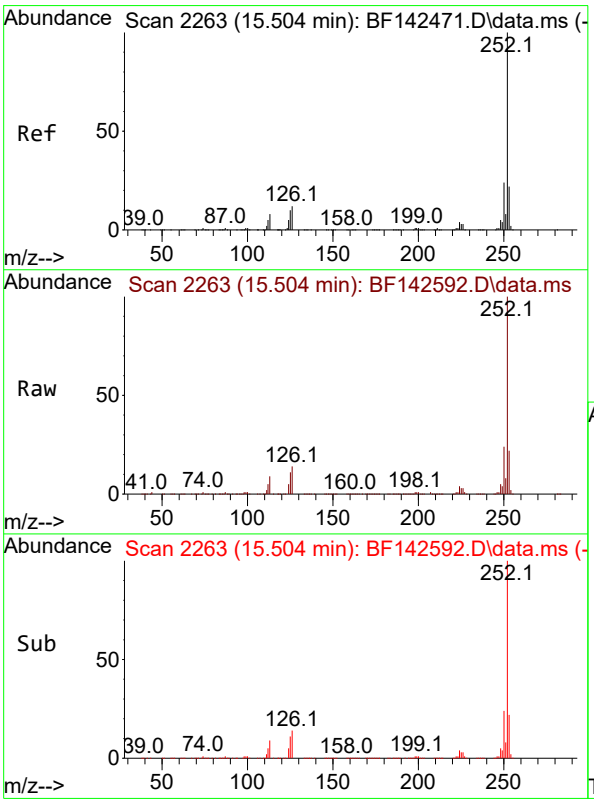
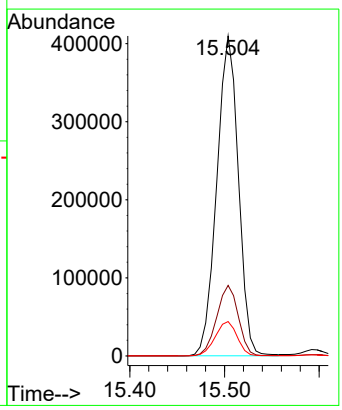
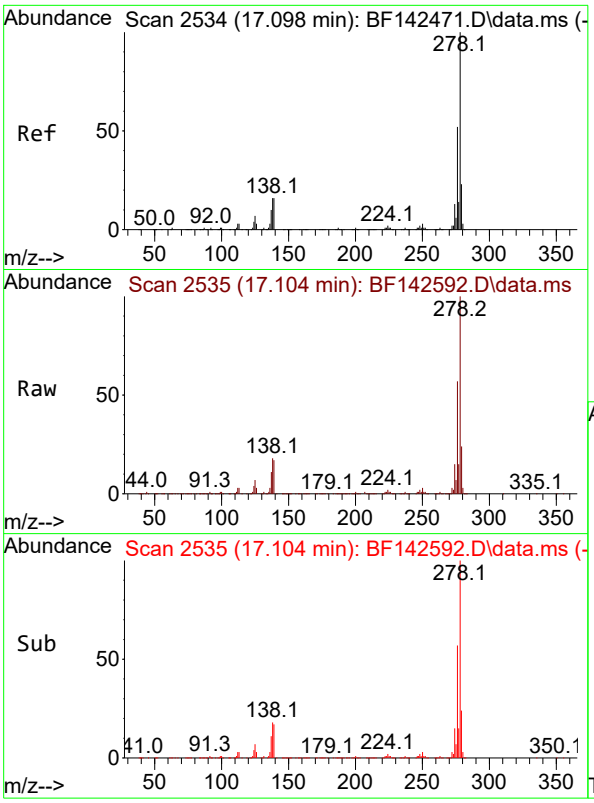


#90
Benzo(a)pyrene
Concen: 43.949 ng
RT: 15.504 min Scan# 2263
Delta R.T. -0.006 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:252 Resp: 649734

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	10.8	7.9	11.9

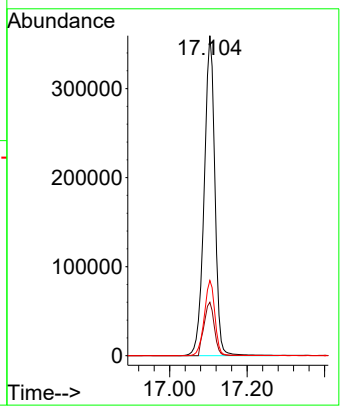




#91
Dibenzo(a,h)anthracene
Concen: 42.714 ng
RT: 17.104 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:278 Resp: 68921

Ion	Ratio	Lower	Upper
278	100		
139	16.7	12.8	19.2
279	23.5	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
PB168219BS

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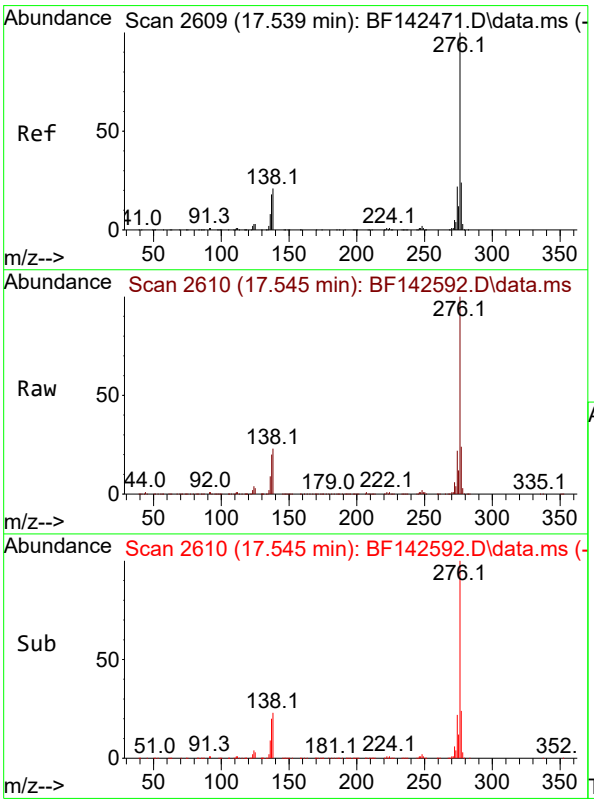
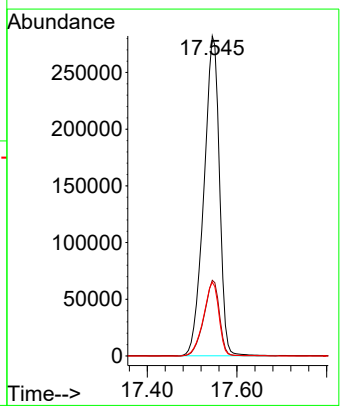


#92
Benzo(g,h,i)perylene
Concen: 41.912 ng
RT: 17.545 min Scan# 2610
Delta R.T. -0.012 min
Lab File: BF142592.D
Acq: 02 Jun 2025 12:28

Tgt Ion:276 Resp: 676410

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.2	28.8
138	23.1	16.8	25.2



Raw Data: **BF142575.D**

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

Report of Analysis

Client:	Aramark Uniforms	Date Collected:	05/27/25
Project:	Waste Characterization	Date Received:	05/27/25
Client Sample ID:	OR-646-COMP-52MS	SDG No.:	Q2149
Lab Sample ID:	Q2136-05MS	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142575.D	1	05/30/25 09:52	05/30/25 17:47	PB168219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	380		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	410		5.30	50.0	ug/L
95-48-7	2-Methylphenol	430		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	400		11.0	100	ug/L
67-72-1	Hexachloroethane	400		6.50	50.0	ug/L
98-95-3	Nitrobenzene	440		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	420		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	460		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	460		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	480		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	470		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	830	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	115		23 - 138	77%	SPK: 150
13127-88-3	Phenol-d6	108		10 - 134	72%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.5		67 - 132	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.9		52 - 132	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	126		44 - 137	84%	SPK: 150
1718-51-0	Terphenyl-d14	76.9		42 - 152	77%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	124000	6.898			
1146-65-2	Naphthalene-d8	475000	8.181			
15067-26-2	Acenaphthene-d10	243000	9.939			
1517-22-2	Phenanthrene-d10	387000	11.428			
1719-03-5	Chrysene-d12	212000	14.069			
1520-96-3	Perylene-d12	244000	15.563			

Raw Data: **BF142575.D**

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

Report of Analysis

Client:	Aramark Uniforms	Date Collected:	05/27/25
Project:	Waste Characterization	Date Received:	05/27/25
Client Sample ID:	OR-646-COMP-52MS	SDG No.:	Q2149
Lab Sample ID:	Q2136-05MS	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142575.D	1	05/30/25 09:52	05/30/25 17:47	PB168219

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\BF053025\
Data File : BF142575.D
Acq On : 30 May 2025 17:47
Operator : RC/JU
Sample : Q2136-05MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Quant Time: May 30 18:36:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	124454	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	475431	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	242703	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	386820	20.000	ng	0.00
76) Chrysene-d12	14.069	240	212085	20.000	ng	# 0.00
86) Perylene-d12	15.563	264	244380	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	850442	115.126	ng	0.02
7) Phenol-d6	6.528	99	962082	108.193	ng	0.00
23) Nitrobenzene-d5	7.463	82	692772	79.456	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	338403	125.628	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1409485	77.928	ng	-0.01
79) Terphenyl-d14	13.010	244	1193056	76.873	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.875	88	109425	37.018	ng	# 83
3) Pyridine	3.575	79	288883	38.377	ng	97
4) n-Nitrosodimethylamine	3.522	42	166592	42.623	ng	93
6) Aniline	6.563	93	198871	16.633	ng	96
8) 2-Chlorophenol	6.687	128	350814	43.601	ng	99
9) Benzaldehyde	6.451	77	111082	20.769	ng	99
10) Phenol	6.545	94	357369	35.717	ng	99
11) bis(2-Chloroethyl)ether	6.634	93	327479	45.468	ng	98
12) 1,3-Dichlorobenzene	6.840	146	361573	40.272	ng	99
13) 1,4-Dichlorobenzene	6.916	146	367181	40.600	ng	99
14) 1,2-Dichlorobenzene	7.069	146	357420	41.302	ng	100
15) Benzyl Alcohol	7.040	79	285775	43.488	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.175	45	512639	42.383	ng	98
17) 2-Methylphenol	7.151	107	269382	42.882	ng	100
18) Hexachloroethane	7.410	117	127885	40.496	ng	97
19) n-Nitroso-di-n-propyla...	7.310	70	232283	42.149	ng	100
20) 3+4-Methylphenols	7.304	107	324527	40.341	ng	97
22) Acetophenone	7.310	105	460673	43.771	ng	99
24) Nitrobenzene	7.481	77	343282	43.654	ng	99
25) Isophorone	7.722	82	635149	43.571	ng	99
26) 2-Nitrophenol	7.798	139	191951	45.683	ng	96
27) 2,4-Dimethylphenol	7.834	122	320622	43.269	ng	99
28) bis(2-Chloroethoxy)met...	7.928	93	399789	43.903	ng	99
29) 2,4-Dichlorophenol	8.040	162	295302	43.821	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	317732	43.445	ng	98
31) Naphthalene	8.204	128	1032597	44.109	ng	100
32) Benzoic acid	7.916	122	78257m	17.349	ng	
33) 4-Chloroaniline	8.251	127	89359m	9.420	ng	
34) Hexachlorobutadiene	8.322	225	193579	42.391	ng	100
35) Caprolactam	8.616	113	71925m	38.003	ng	
36) 4-Chloro-3-methylphenol	8.734	107	295535	42.793	ng	97
37) 2-Methylnaphthalene	8.892	142	635978	43.182	ng	100
38) 1-Methylnaphthalene	8.992	142	653030	42.867	ng	100
40) 1,2,4,5-Tetrachloroben...	9.063	216	323229	46.394	ng	99
41) Hexachlorocyclopentadiene	9.051	237	372659	79.292	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	214598	45.679	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142575.D
Acq On : 30 May 2025 17:47
Operator : RC/JU
Sample : Q2136-05MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Quant Time: May 30 18:36:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

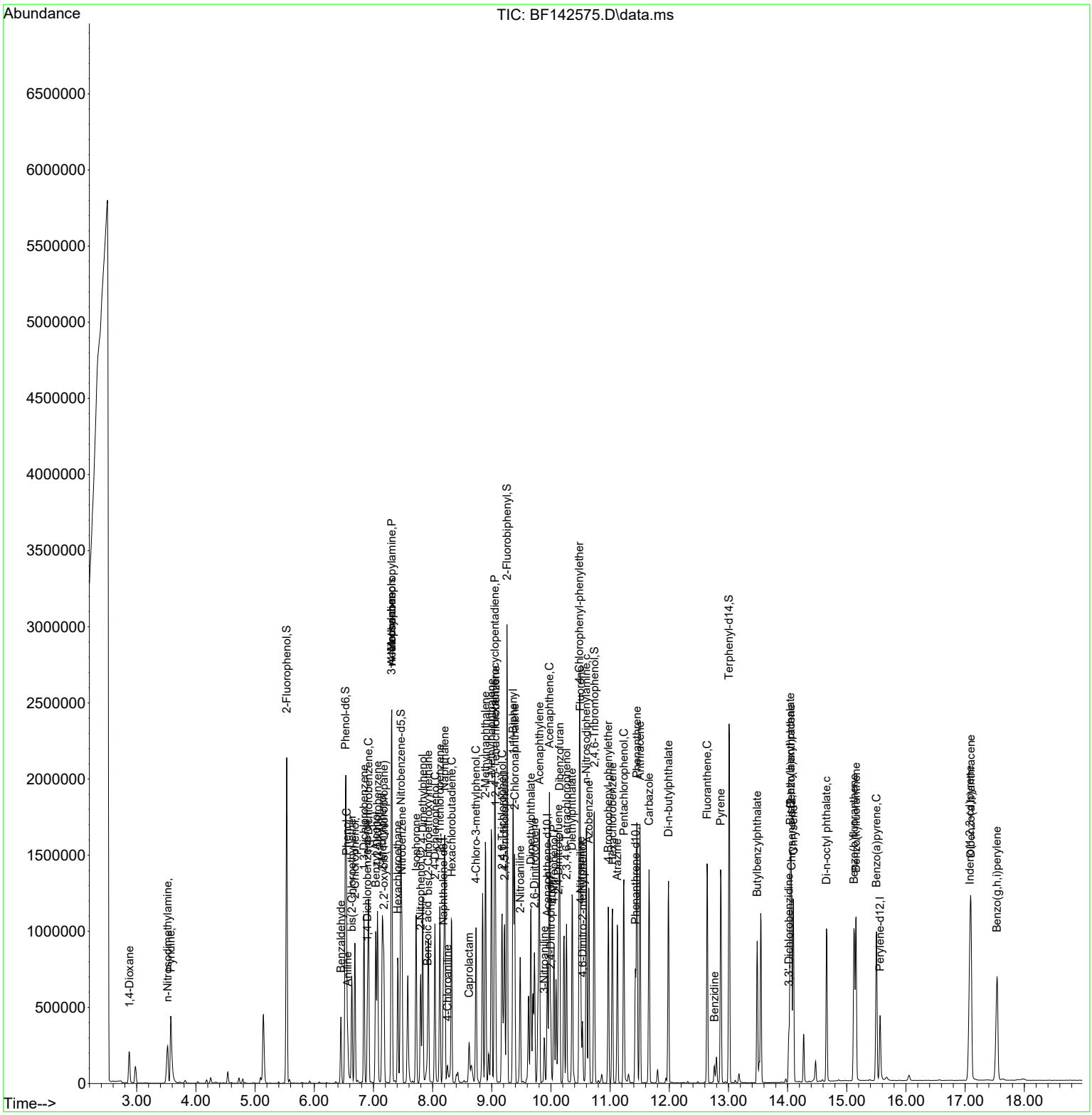
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	227005	45.816	ng	98
46) 1,1'-Biphenyl	9.363	154	851230	45.208	ng	100
47) 2-Chloronaphthalene	9.386	162	630060	45.290	ng	99
48) 2-Nitroaniline	9.481	65	187208	46.556	ng	96
49) Acenaphthylene	9.804	152	1056597	44.979	ng	100
50) Dimethylphthalate	9.663	163	733448	45.799	ng	100
51) 2,6-Dinitrotoluene	9.722	165	160757	46.510	ng	99
52) Acenaphthene	9.975	154	647899	45.168	ng	100
53) 3-Nitroaniline	9.886	138	72217	19.129	ng	99
54) 2,4-Dinitrophenol	9.998	184	90906	50.908	ng	92
55) Dibenzofuran	10.145	168	922876	44.709	ng	99
56) 4-Nitrophenol	10.051	139	222884	80.015	ng	98
57) 2,4-Dinitrotoluene	10.128	165	216349	47.929	ng	98
58) Fluorene	10.492	166	707598	44.373	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.263	232	183840	44.446	ng	99
60) Diethylphthalate	10.357	149	693528	44.342	ng	100
61) 4-Chlorophenyl-phenyle...	10.481	204	343117	43.800	ng	98
62) 4-Nitroaniline	10.504	138	148490	43.369	ng	97
63) Azobenzene	10.639	77	621944	44.273	ng	99
65) 4,6-Dinitro-2-methylph...	10.533	198	76704	35.532	ng	99
66) n-Nitrosodiphenylamine	10.598	169	616149	46.558	ng	100
67) 4-Bromophenyl-phenylether	10.969	248	213536	46.686	ng	99
68) Hexachlorobenzene	11.039	284	237061	46.861	ng	98
69) Atrazine	11.122	200	182965	52.059	ng	99
70) Pentachlorophenol	11.233	266	237608	83.193	ng	99
71) Phenanthrene	11.451	178	944210	45.675	ng	100
72) Anthracene	11.504	178	948235	44.945	ng	99
73) Carbazole	11.657	167	827137	45.859	ng	100
74) Di-n-butylphthalate	11.986	149	965813	48.920	ng	100
75) Fluoranthene	12.639	202	863997	44.729	ng	98
77) Benzidine	12.763	184	73986	9.374	ng	99
78) Pyrene	12.869	202	844379	42.679	ng	100
80) Butylbenzylphthalate	13.486	149	312542	57.171	ng	98
81) Benzo(a)anthracene	14.057	228	675809	47.720	ng	99
82) 3,3'-Dichlorobenzidine	14.022	252	98903	23.025	ng	98
83) Chrysene	14.098	228	579589	45.546	ng	99
84) Bis(2-ethylhexyl)phtha...	14.045	149	415089	59.313	ng	99
85) Di-n-octyl phthalate	14.657	149	707460	51.700	ng	99
87) Indeno(1,2,3-cd)pyrene	17.080	276	827812	45.121	ng	99
88) Benzo(b)fluoranthene	15.121	252	681568	47.123	ng	98
89) Benzo(k)fluoranthene	15.157	252	608621	44.928	ng	99
90) Benzo(a)pyrene	15.504	252	642562	47.132	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	674007	45.296	ng	99
92) Benzo(g,h,i)perylene	17.539	276	661658	44.457	ng	98

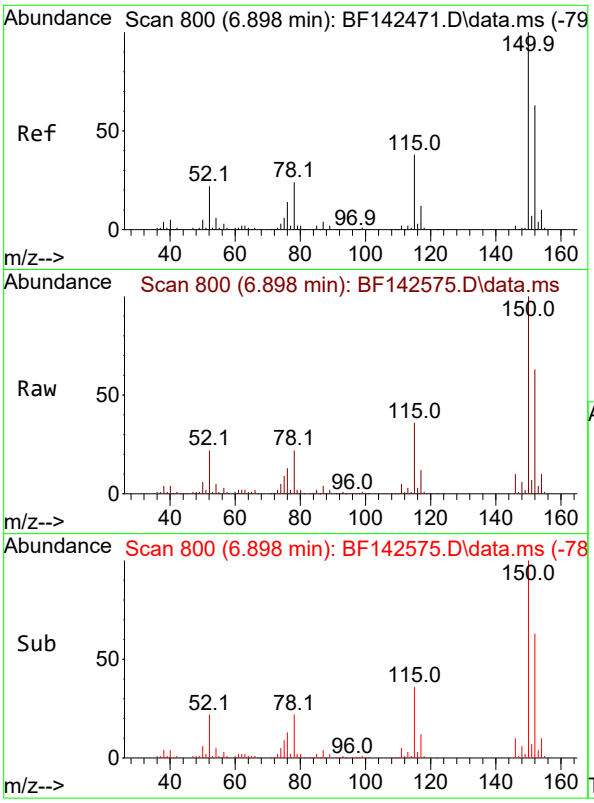
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142575.D
Acq On : 30 May 2025 17:47
Operator : RC/JU
Sample : Q2136-05MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Quant Time: May 30 18:36:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



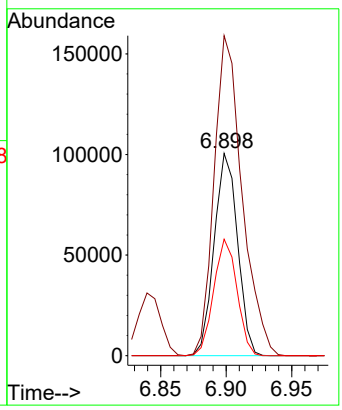


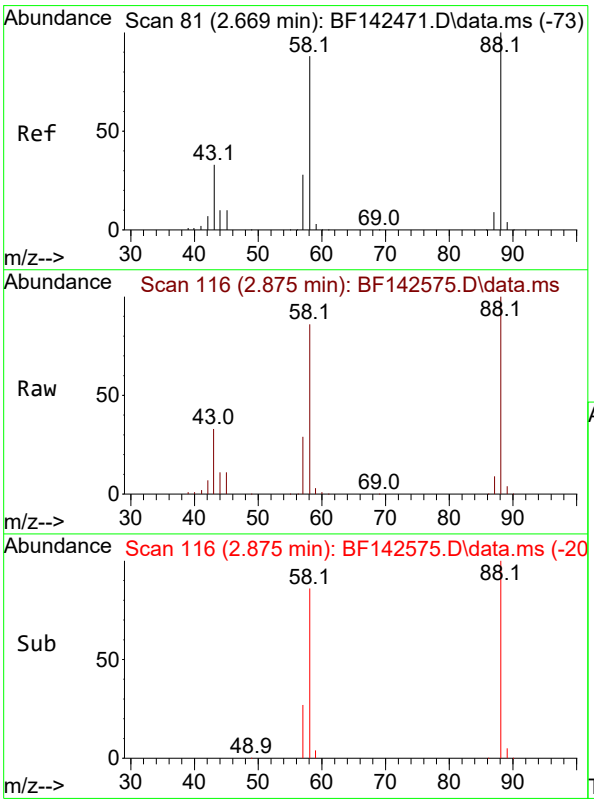
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:152 Resp: 124454

Ion	Ratio	Lower	Upper
152	100		
150	158.2	128.2	192.4
115	57.6	48.3	72.5

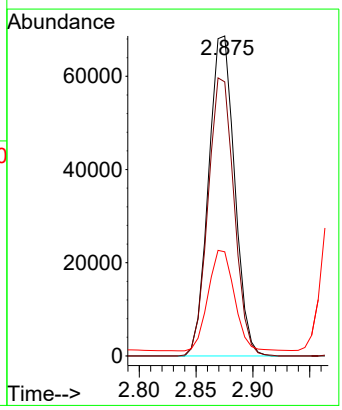


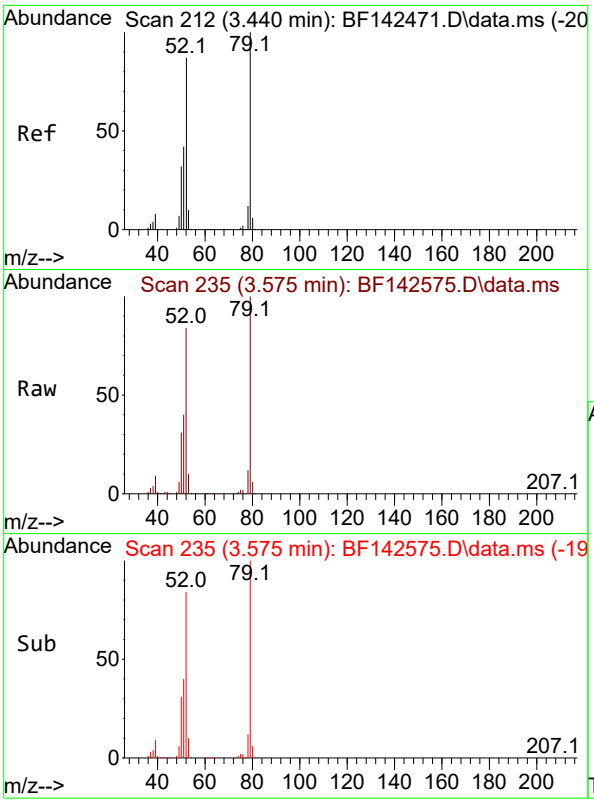


#2
1,4-Dioxane
Concen: 37.018 ng
RT: 2.875 min Scan# 116
Delta R.T. 0.212 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion: 88 Resp: 109425

Ion	Ratio	Lower	Upper
88	100		
58	86.9	70.8	106.2
43	0.0	26.6	40.0#



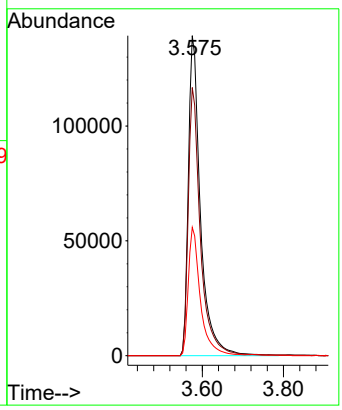


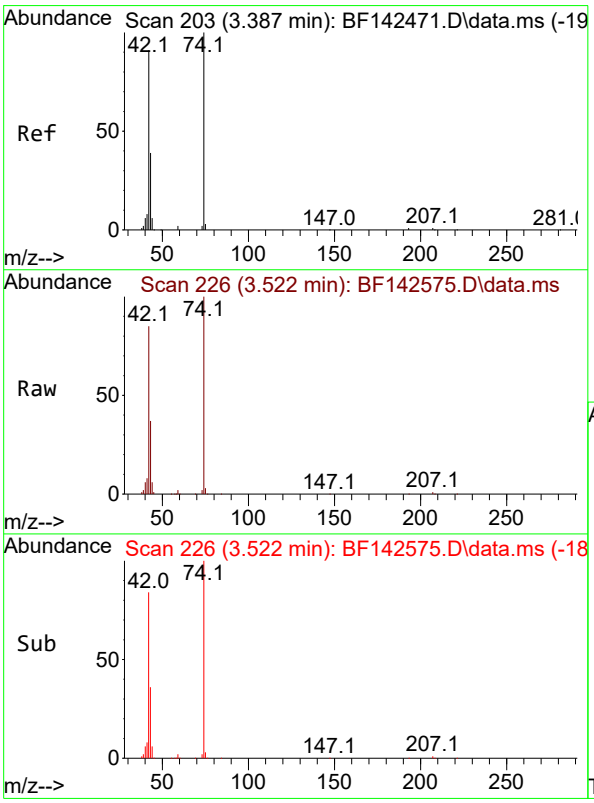
#3
Pyridine
Concen: 38.377 ng
RT: 3.575 min Scan# 2
Delta R.T. 0.135 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion: 79 Resp: 288883

Ion	Ratio	Lower	Upper
79	100		
52	83.8	69.2	103.8
51	40.1	33.3	49.9

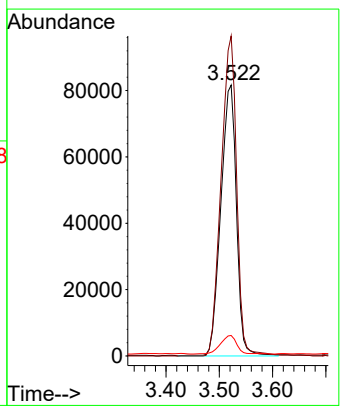


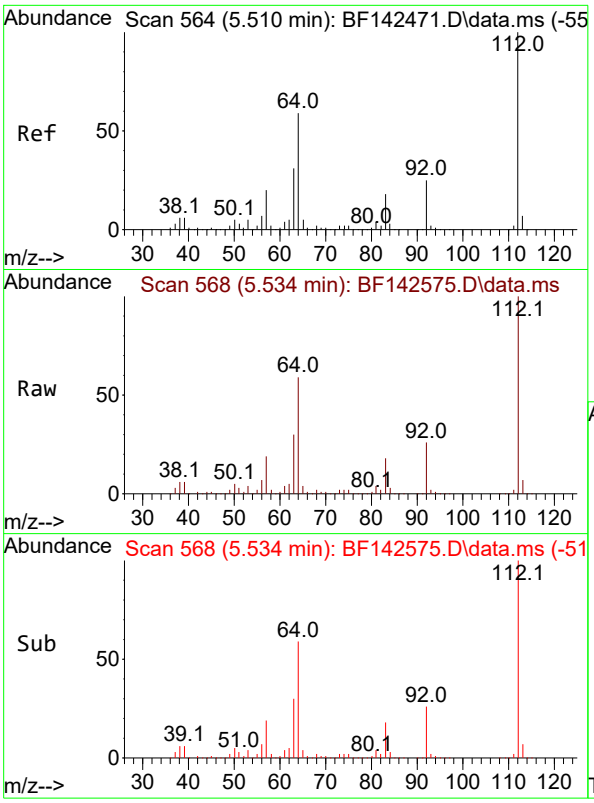


#4
n-Nitrosodimethylamine
Concen: 42.623 ng
RT: 3.522 min Scan# 226
Delta R.T. 0.118 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion: 42 Resp: 166592

Ion	Ratio	Lower	Upper
42	100		
74	118.1	88.2	132.4
44	7.6	5.4	8.2



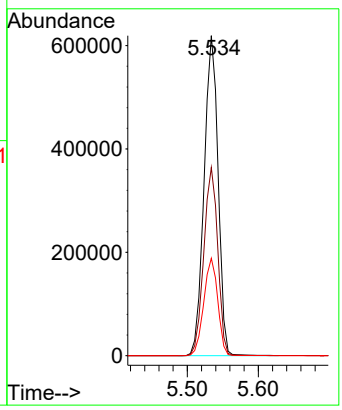


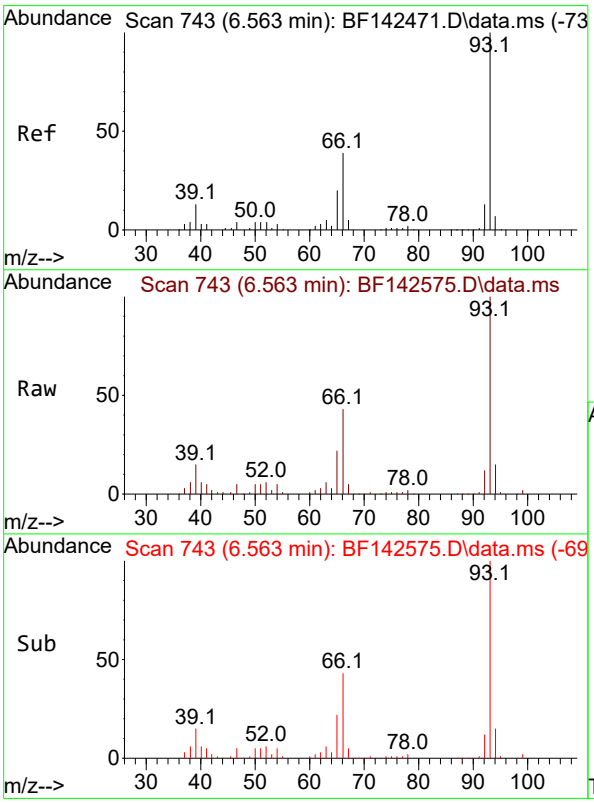
#5
2-Fluorophenol
Concen: 115.126 ng
RT: 5.534 min Scan# 5
Delta R.T. 0.018 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:112 Resp: 850442

Ion	Ratio	Lower	Upper
112	100		
64	58.8	47.5	71.3
63	30.5	24.9	37.3

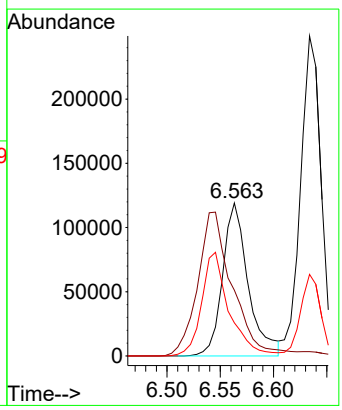


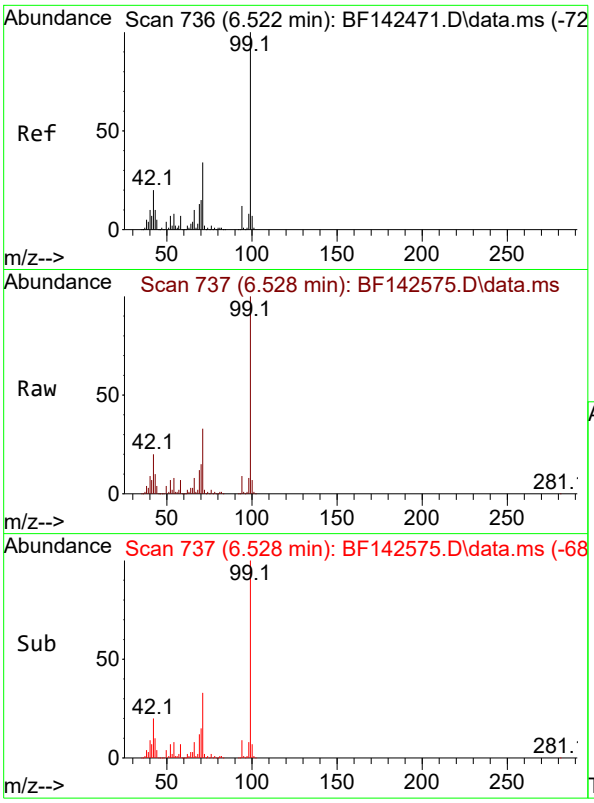


#6
Aniline
Concen: 16.633 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion: 93 Resp: 198871

Ion	Ratio	Lower	Upper
93	100		
66	43.0	32.0	48.0
65	21.7	16.1	24.1



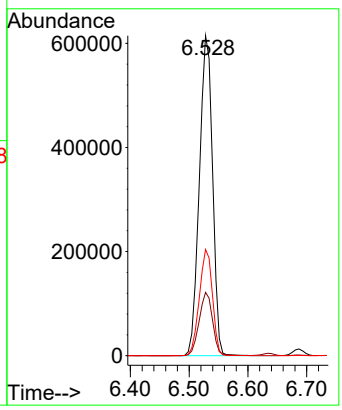


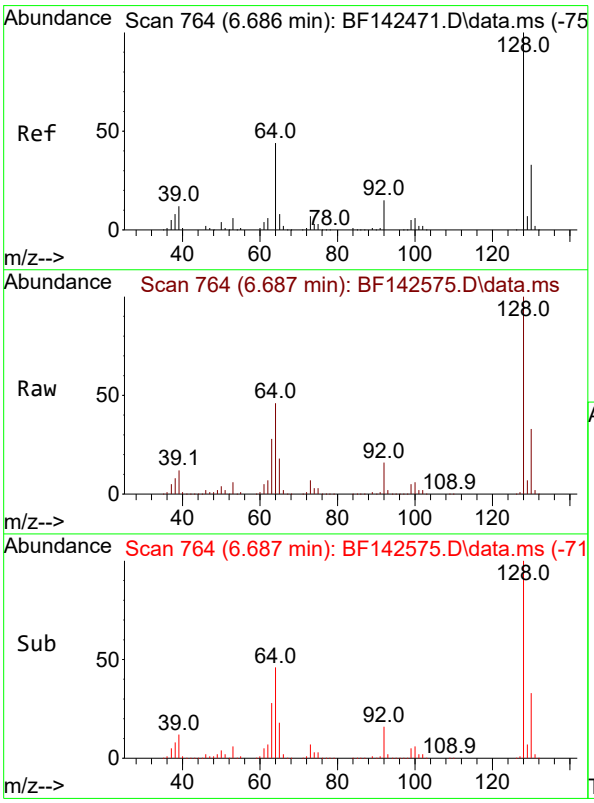
#7
Phenol-d6
Concen: 108.193 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion: 99 Resp: 962082

Ion	Ratio	Lower	Upper
99	100		
42	19.8	16.2	24.2
71	33.2	27.3	40.9

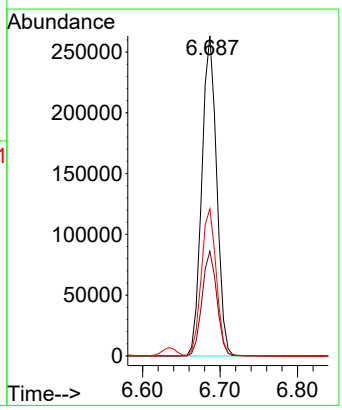


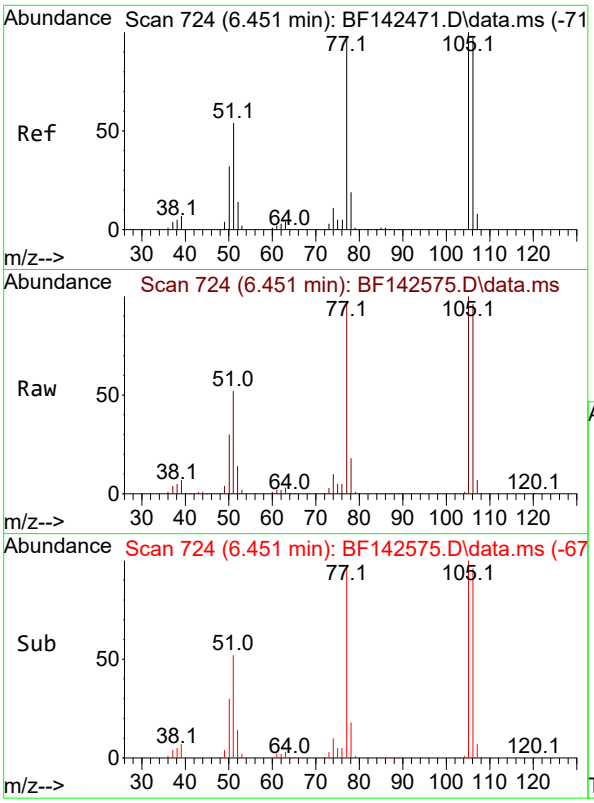


#8
2-Chlorophenol
Concen: 43.601 ng
RT: 6.687 min Scan# 764
Delta R.T. 0.000 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:128 Resp: 350814

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.6	52.6
64	46.0	25.1	65.1



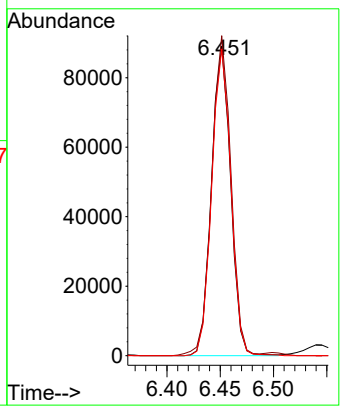


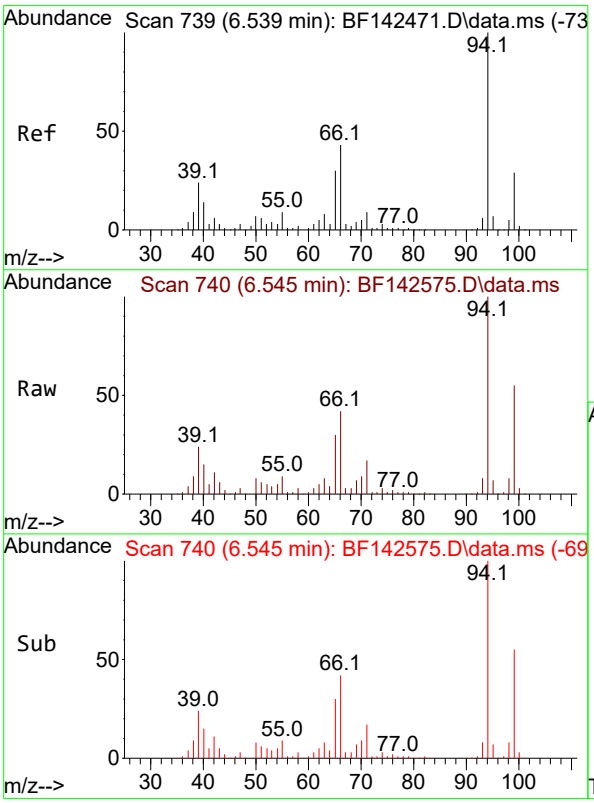
#9
Benzaldehyde
Concen: 20.769 ng
RT: 6.451 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion: 77 Resp: 111082

Ion	Ratio	Lower	Upper
77	100		
105	103.3	82.5	122.5
106	99.1	80.0	120.0

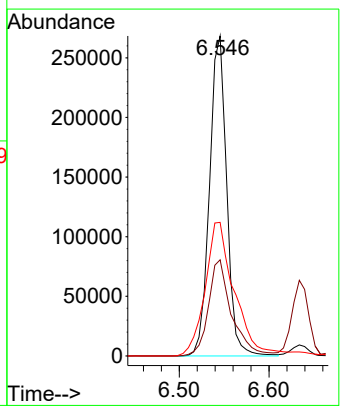


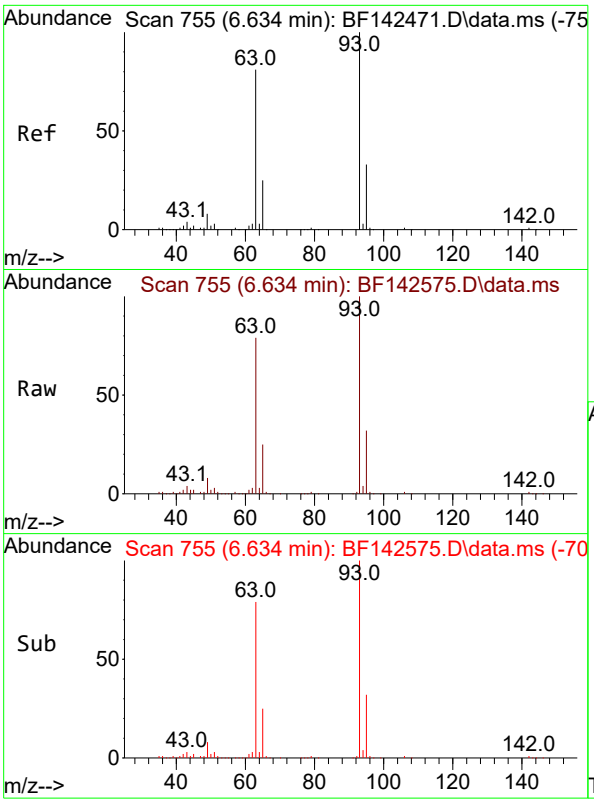


#10
Phenol
Concen: 35.717 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion: 94 Resp: 357369

Ion	Ratio	Lower	Upper
94	100		
65	30.1	10.3	50.3
66	41.7	22.6	62.6



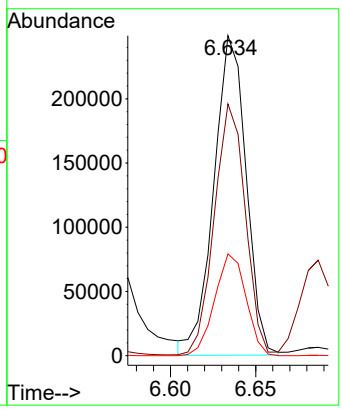


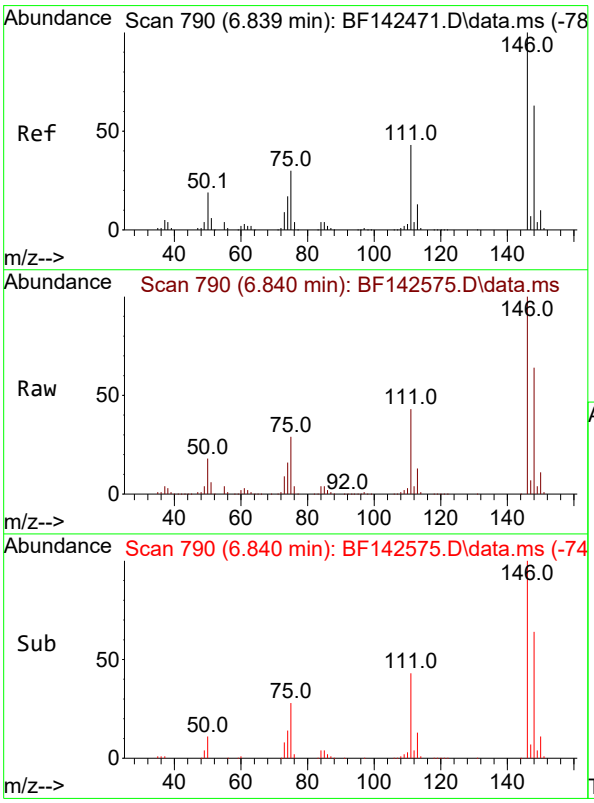
#11
bis(2-Chloroethyl)ether
Concen: 45.468 ng
RT: 6.634 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion: 93 Resp: 327479

Ion	Ratio	Lower	Upper
93	100		
63	78.7	60.2	100.2
95	31.8	12.3	52.3

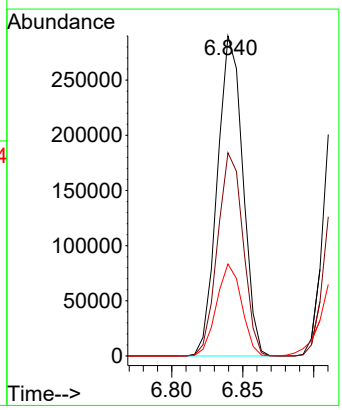


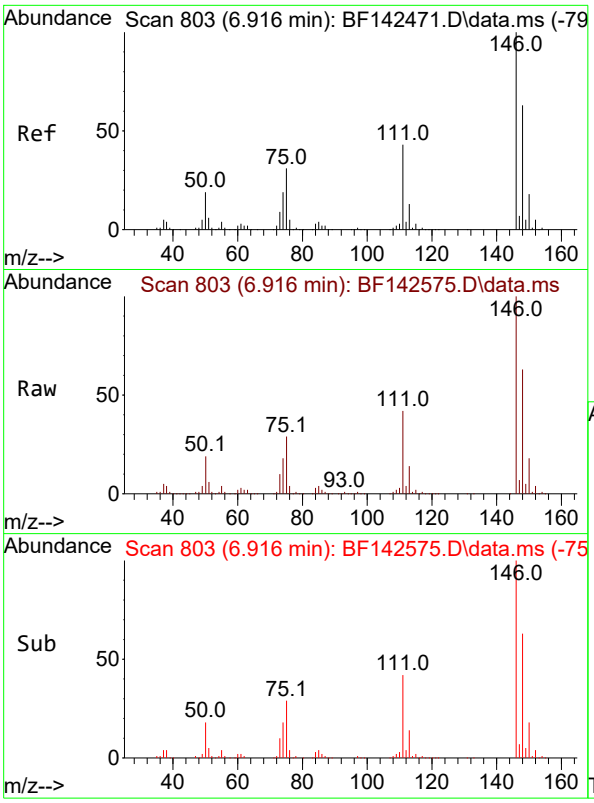


#12
1,3-Dichlorobenzene
Concen: 40.272 ng
RT: 6.840 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:146 Resp: 361573

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.6	75.8
75	28.8	23.8	35.6



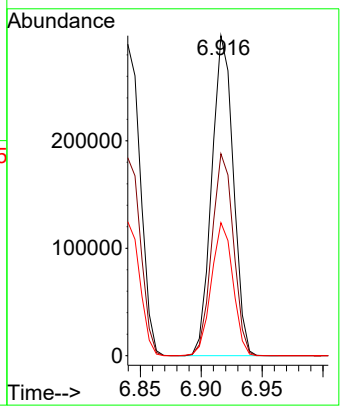


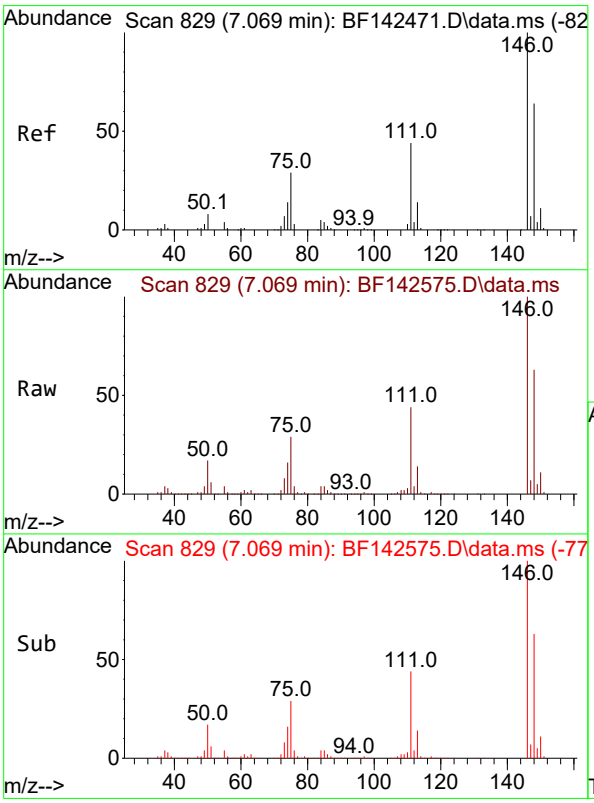
#13
1,4-Dichlorobenzene
Concen: 40.600 ng
RT: 6.916 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:146 Resp: 367181

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.4	75.6
111	41.6	34.1	51.1

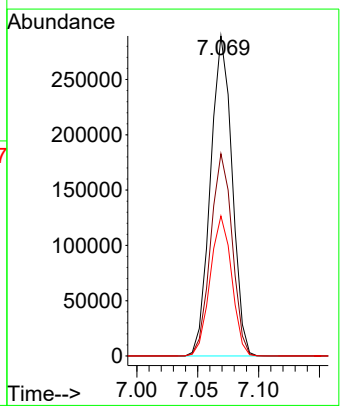


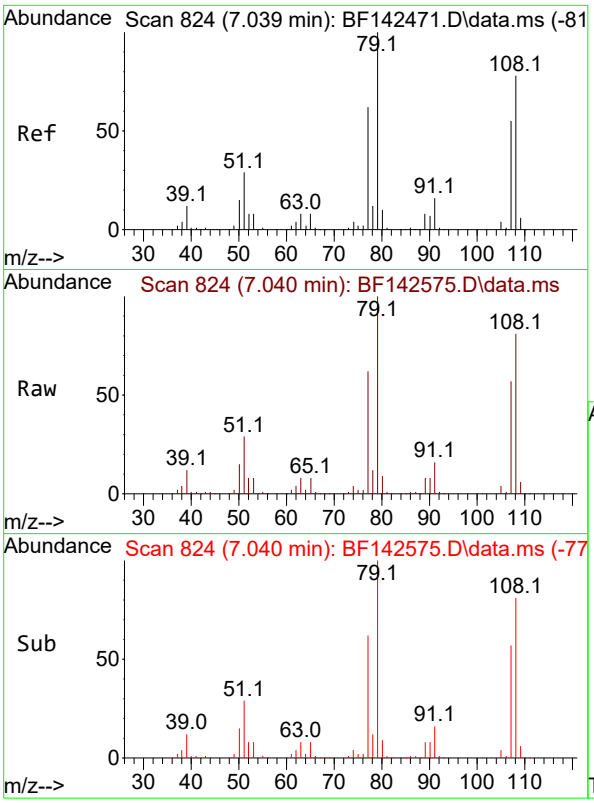


#14
1,2-Dichlorobenzene
Concen: 41.302 ng
RT: 7.069 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:146 Resp: 357420

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.0	76.4
111	43.8	35.0	52.6



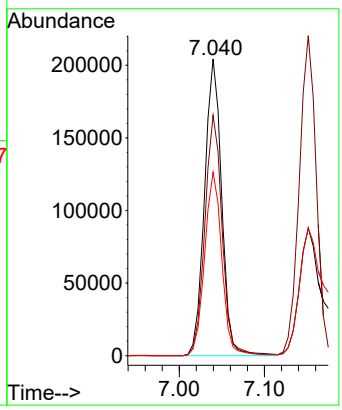


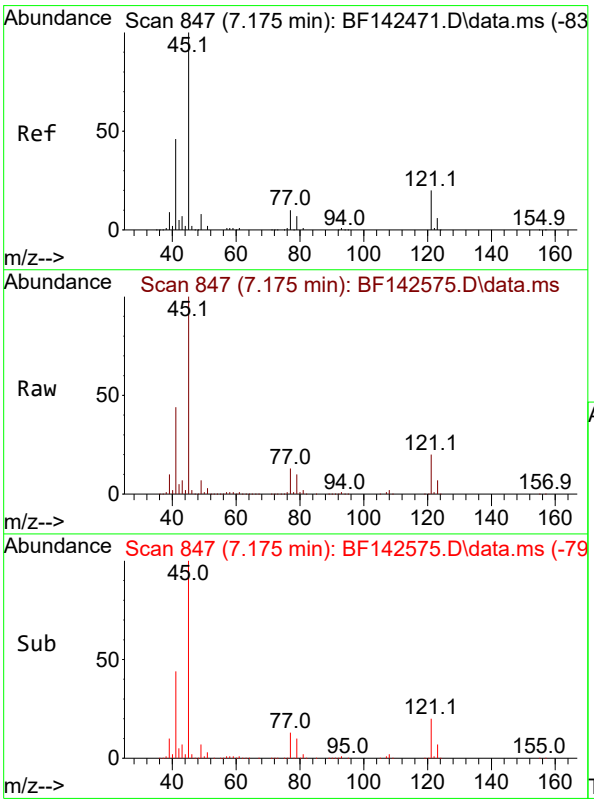
#15
Benzyl Alcohol
Concen: 43.488 ng
RT: 7.040 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion: 79 Resp: 285775

Ion	Ratio	Lower	Upper
79	100		
108	81.0	62.1	93.1
77	61.9	49.5	74.3

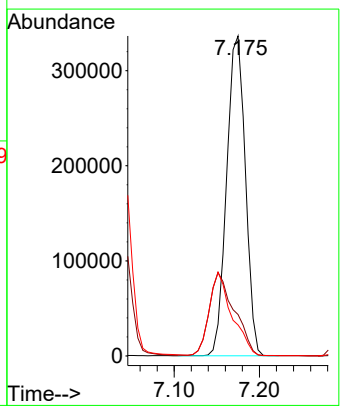


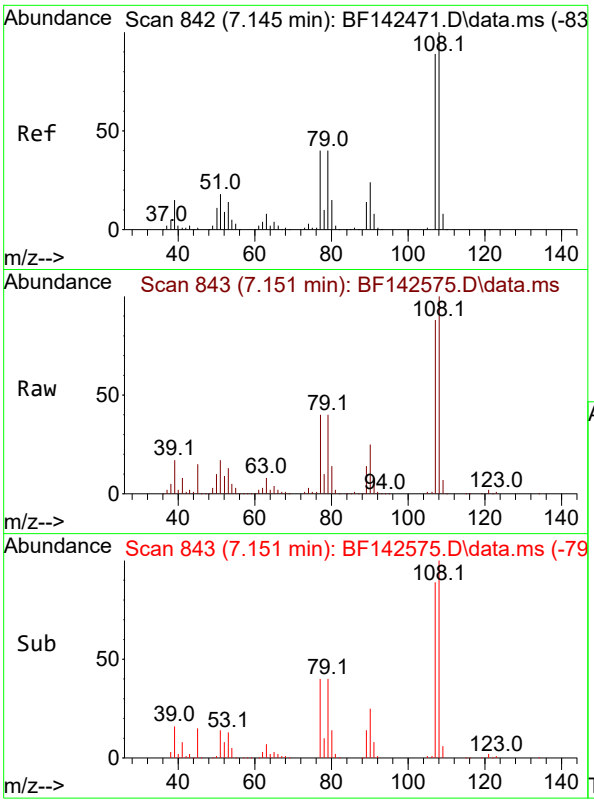


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.383 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion: 45 Resp: 512639

Ion	Ratio	Lower	Upper
45	100		
77	13.0	0.0	32.0
79	9.7	0.0	29.2



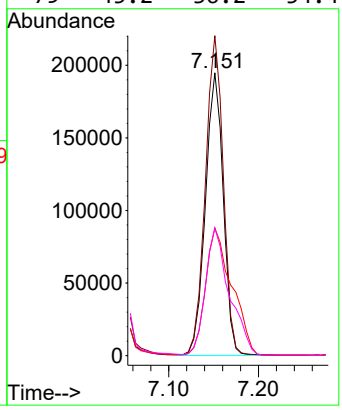


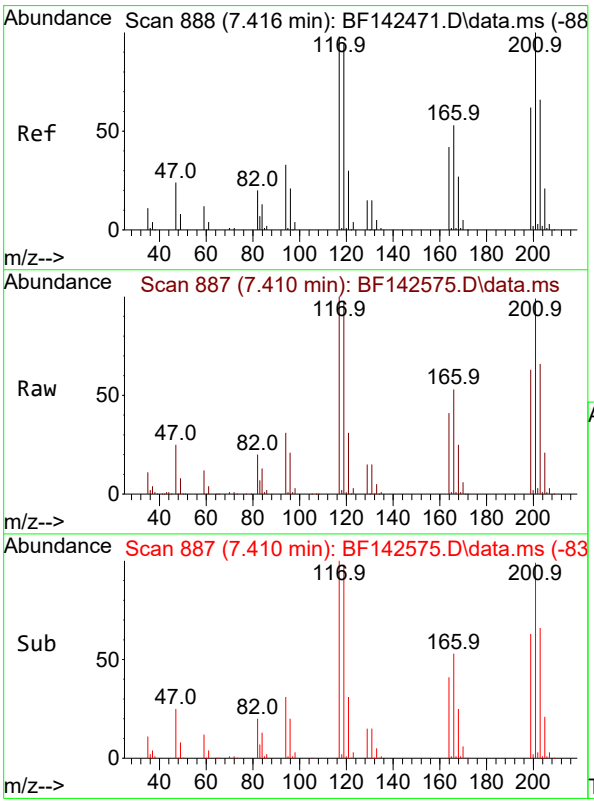
#17
2-Methylphenol
Concen: 42.882 ng
RT: 7.151 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:107 Resp: 269382

Ion	Ratio	Lower	Upper
107	100		
108	113.1	90.2	135.2
77	45.1	36.1	54.1
79	45.2	36.2	54.4

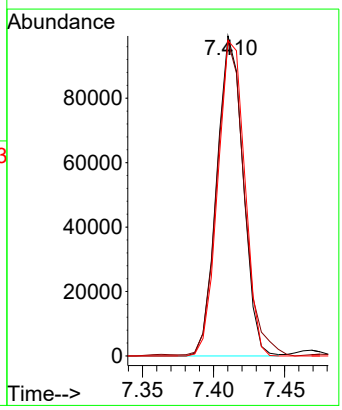


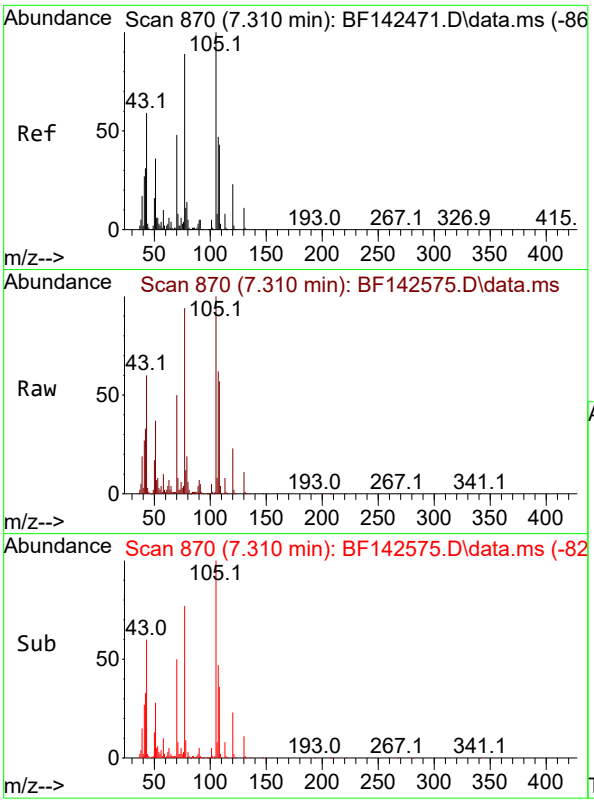


#18
Hexachloroethane
Concen: 40.496 ng
RT: 7.410 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:117 Resp: 127885

Ion	Ratio	Lower	Upper
117	100		
119	98.4	76.6	114.8
201	98.6	81.3	121.9



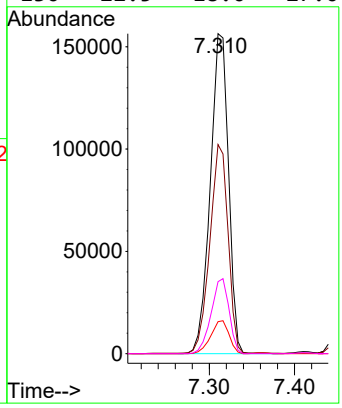


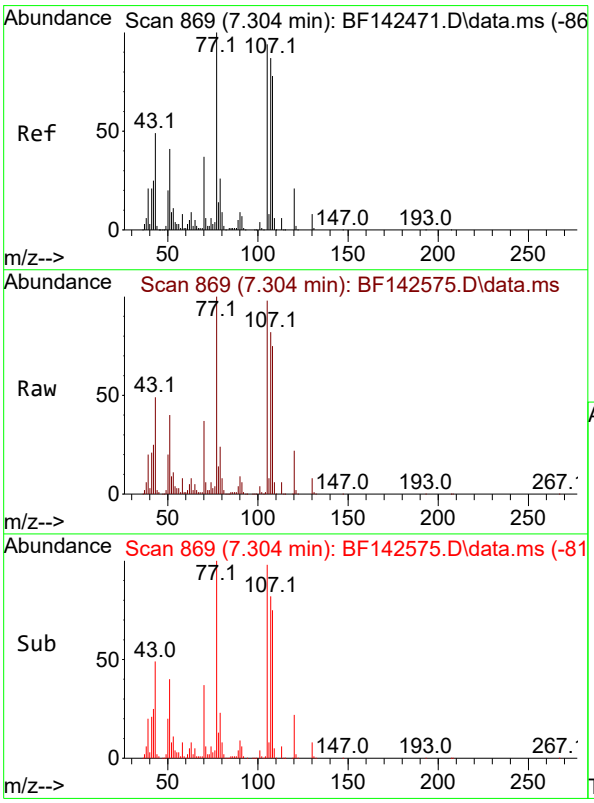
#19
n-Nitroso-di-n-propylamine
Concen: 42.149 ng
RT: 7.310 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion: 70 Resp: 232283

Ion	Ratio	Lower	Upper
70	100		
42	65.3	52.4	78.6
101	10.0	7.8	11.8
130	22.5	18.0	27.0

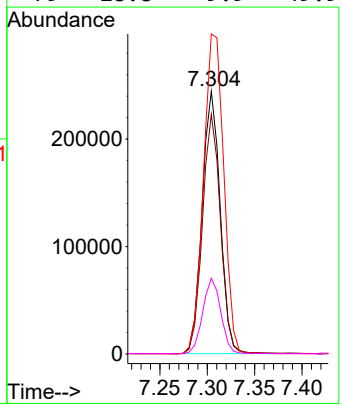


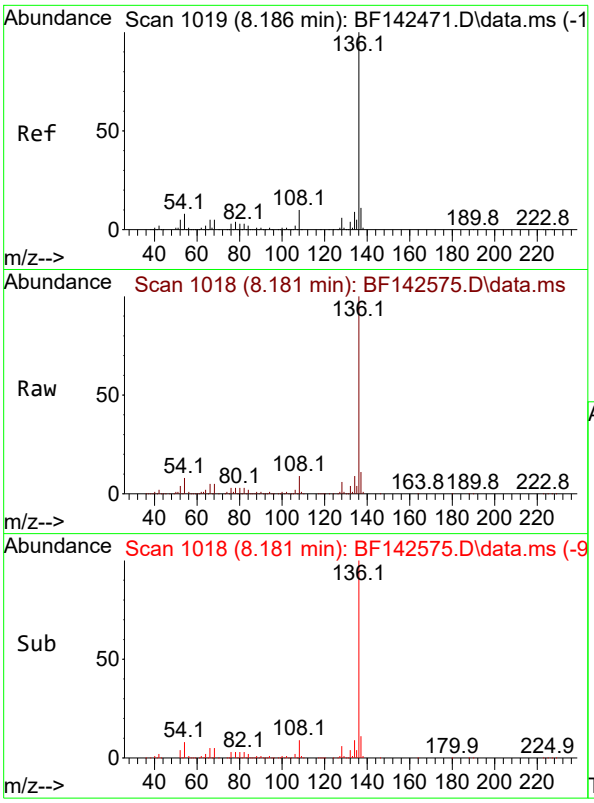


#20
3+4-Methylphenols
Concen: 40.341 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:107 Resp: 324527

Ion	Ratio	Lower	Upper
107	100		
108	91.2	70.4	110.4
77	121.8	95.4	135.4
79	28.8	9.9	49.9



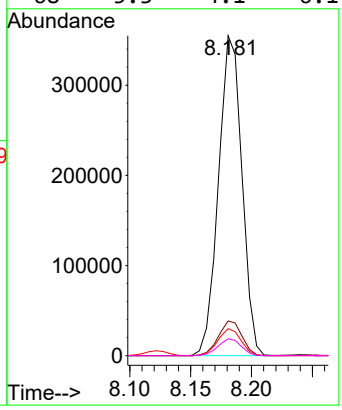


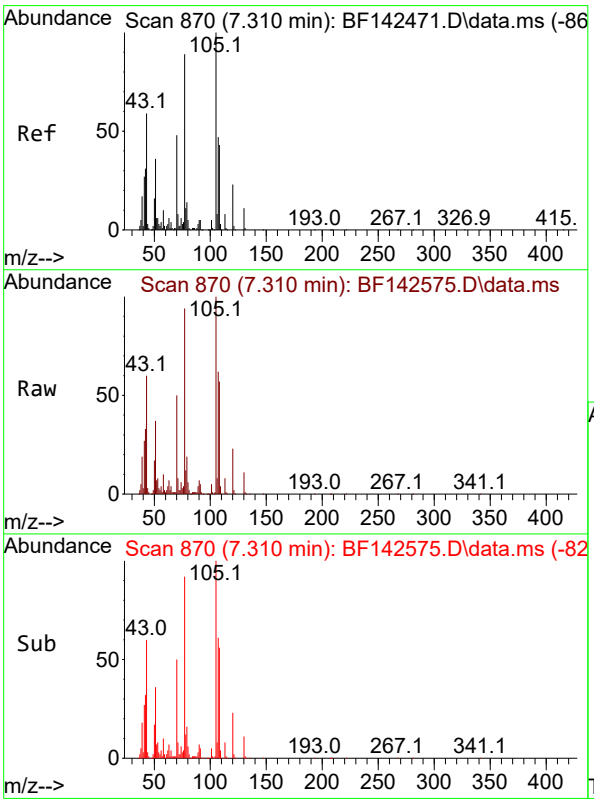
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:136 Resp: 475431

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.4	6.6	10.0
68	5.3	4.1	6.1

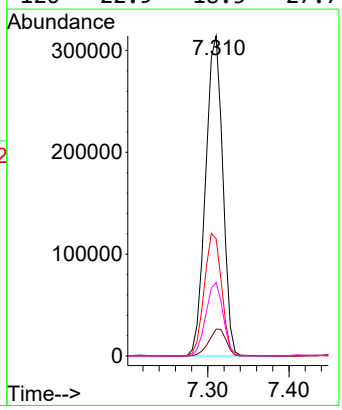


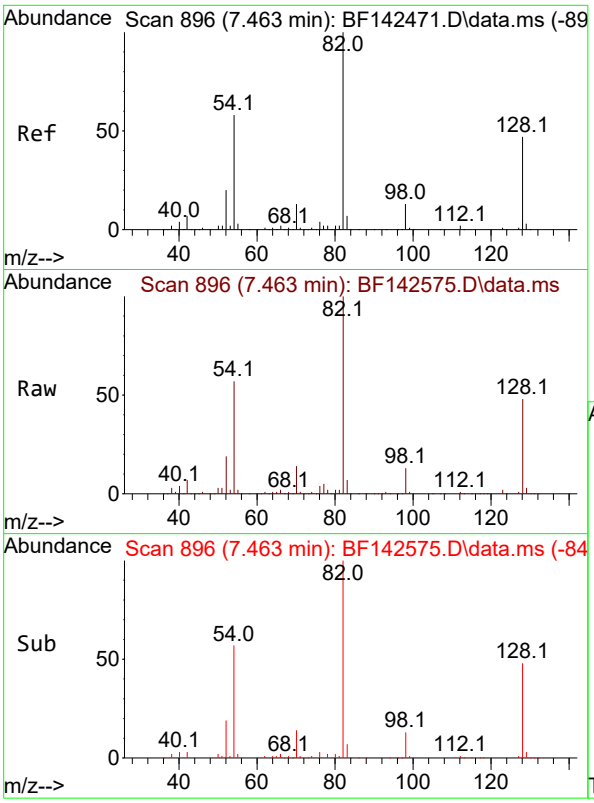


#22
Acetophenone
Concen: 43.771 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:105 Resp: 460673

Ion	Ratio	Lower	Upper
105	100		
71	8.4	6.4	9.6
51	36.6	28.6	42.8
120	22.9	18.5	27.7



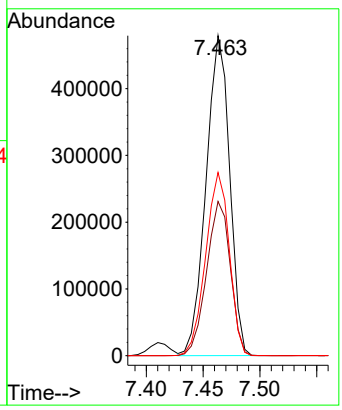


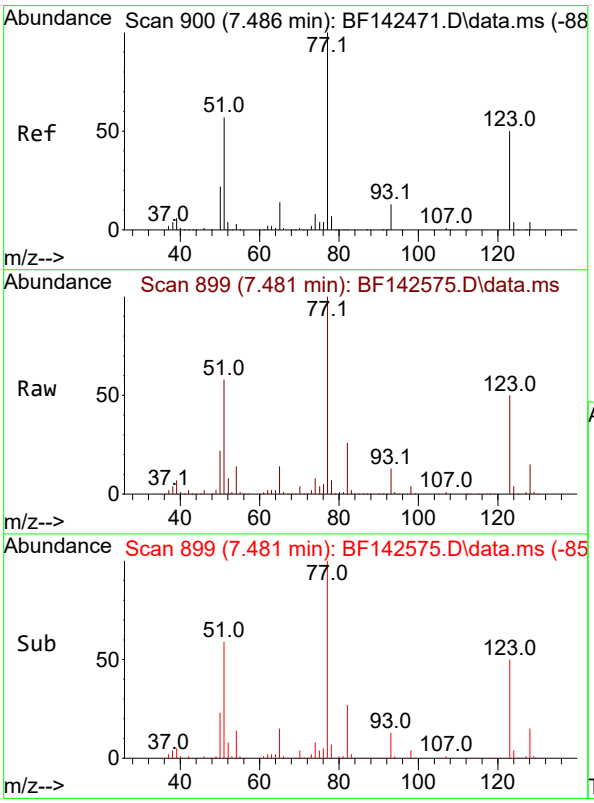
#23
Nitrobenzene-d5
Concen: 79.456 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion: 82 Resp: 692772

Ion	Ratio	Lower	Upper
82	100		
128	48.2	37.4	56.2
54	57.2	46.6	70.0

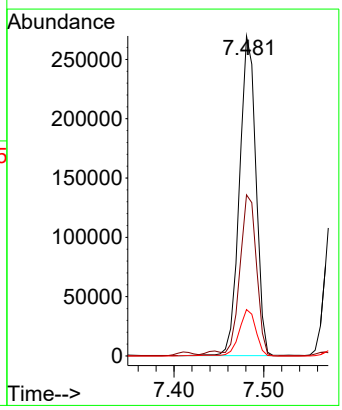


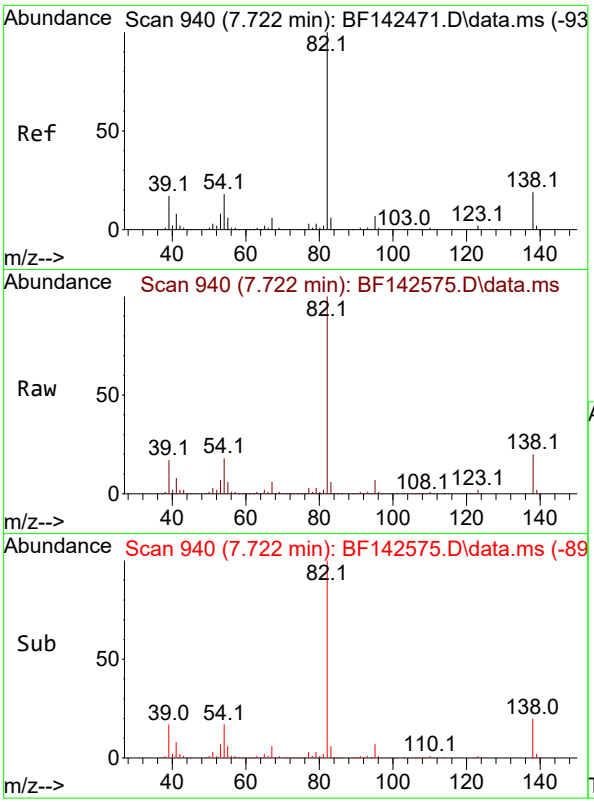


#24
Nitrobenzene
Concen: 43.654 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion: 77 Resp: 343282

Ion	Ratio	Lower	Upper
77	100		
123	50.3	40.6	61.0
65	14.5	11.4	17.2



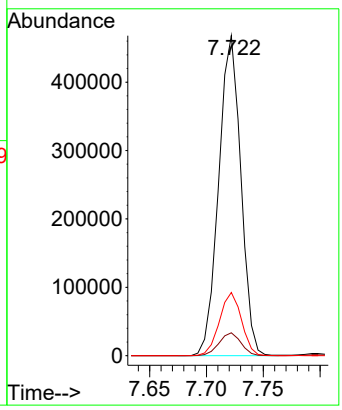


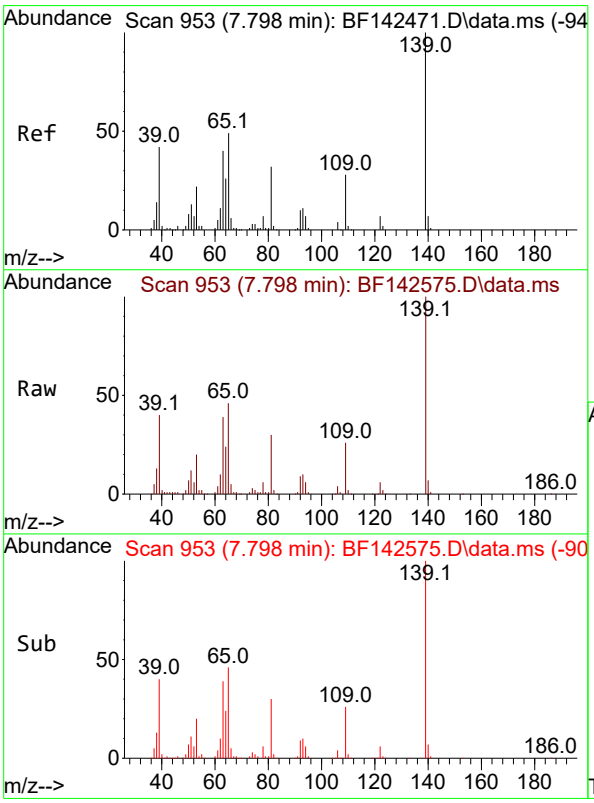
#25
Isophorone
Concen: 43.571 ng
RT: 7.722 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion: 82 Resp: 635149

Ion	Ratio	Lower	Upper
82	100		
95	7.1	6.0	9.0
138	19.8	15.5	23.3

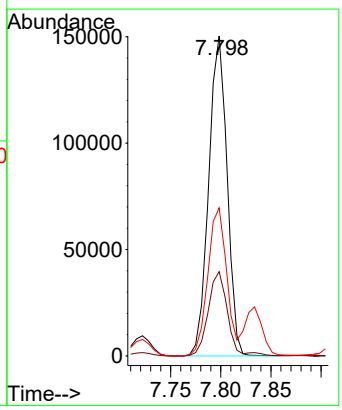


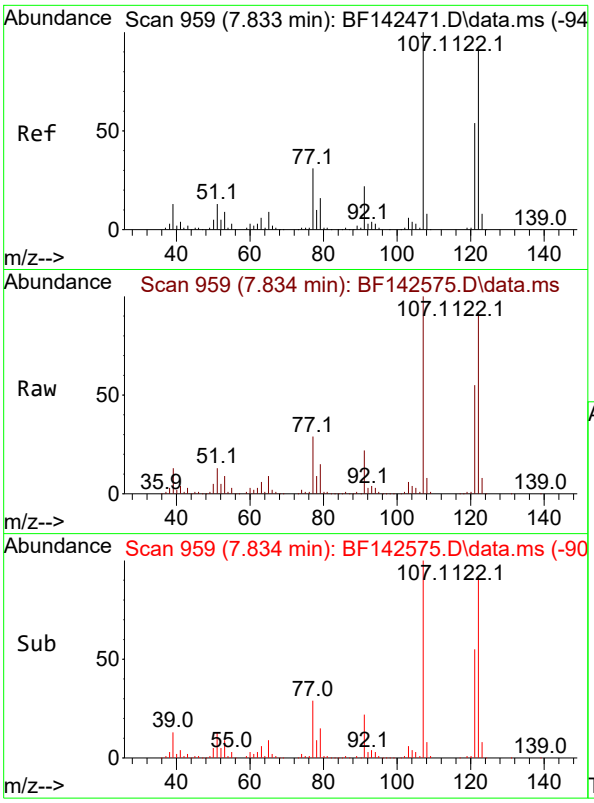


#26
2-Nitrophenol
Concen: 45.683 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:139 Resp: 191951

Ion	Ratio	Lower	Upper
139	100		
109	26.4	22.6	33.8
65	46.3	39.4	59.0



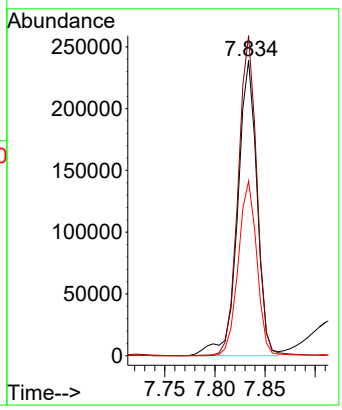


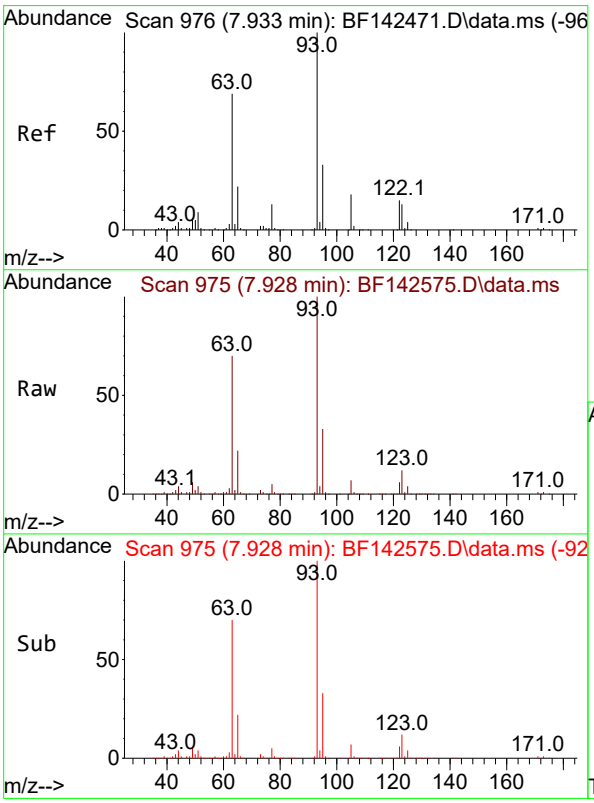
#27
2,4-Dimethylphenol
Concen: 43.269 ng
RT: 7.834 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:122 Resp: 320622

Ion	Ratio	Lower	Upper
122	100		
107	108.4	88.1	132.1
121	59.2	47.3	70.9

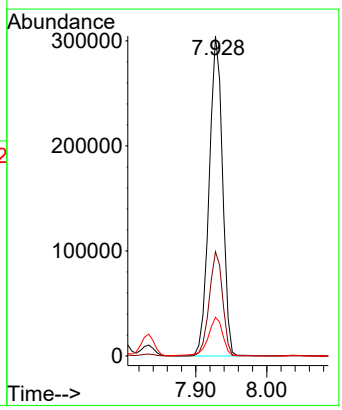


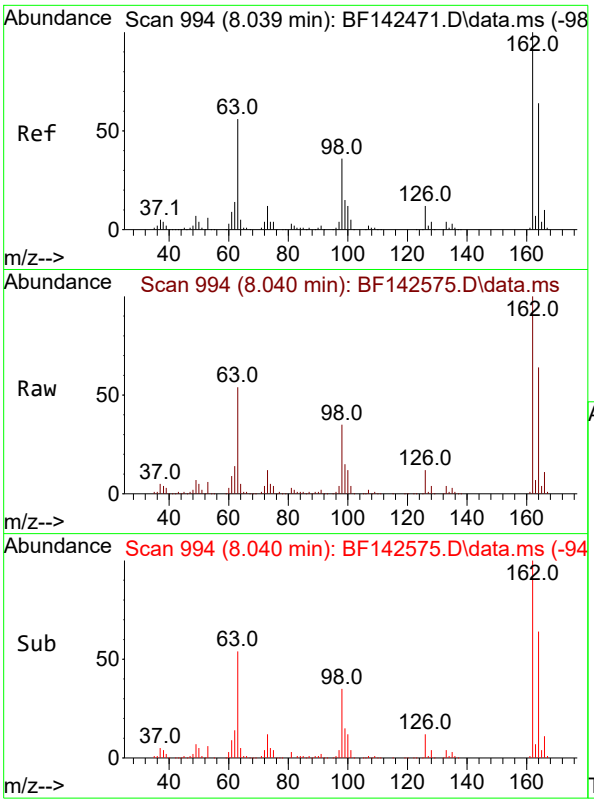


#28
bis(2-Chloroethoxy)methane
Concen: 43.903 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.012 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion: 93 Resp: 399789

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.4	39.6
123	12.1	10.6	15.8



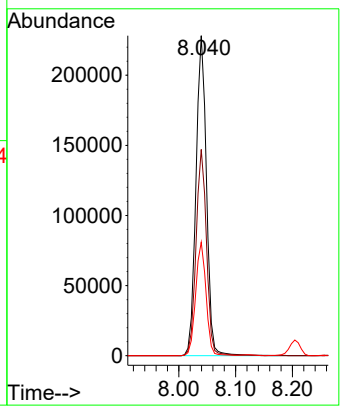


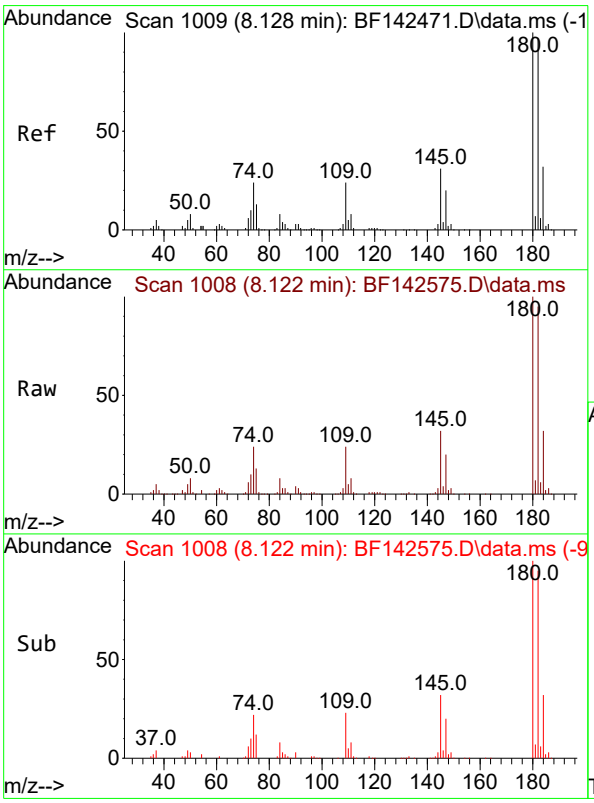
#29
2,4-Dichlorophenol
Concen: 43.821 ng
RT: 8.040 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:162 Resp: 295302

Ion	Ratio	Lower	Upper
162	100		
164	64.4	43.7	83.7
98	35.5	15.5	55.5

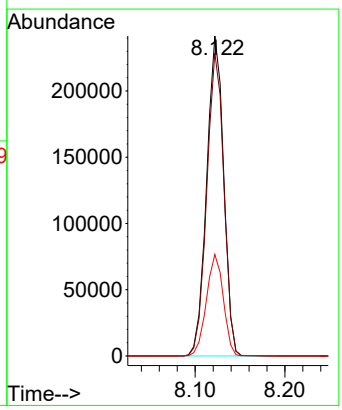


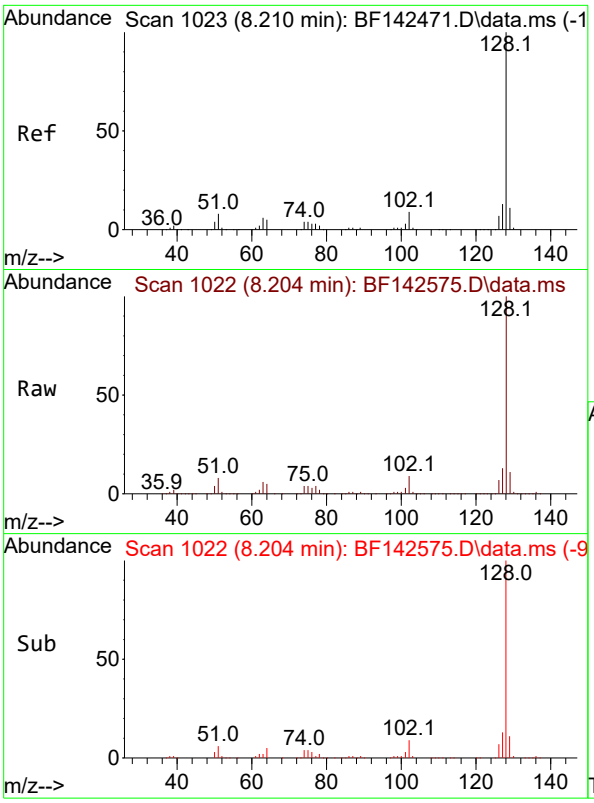


#30
1,2,4-Trichlorobenzene
Concen: 43.445 ng
RT: 8.122 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:180 Resp: 317732

Ion	Ratio	Lower	Upper
180	100		
182	94.6	78.0	117.0
145	31.7	25.0	37.6



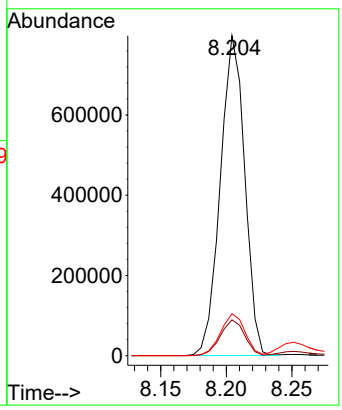


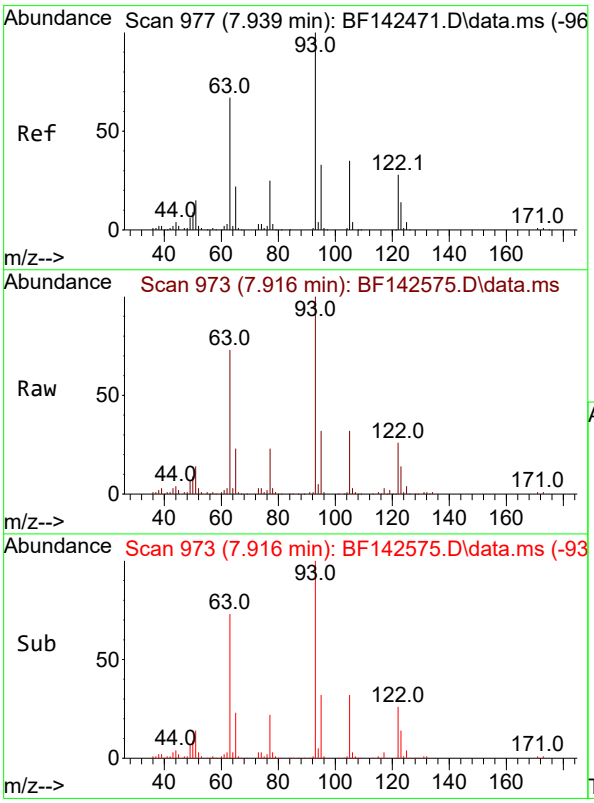
#31
Naphthalene
Concen: 44.109 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:128 Resp: 1032597

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.1	10.5	15.7

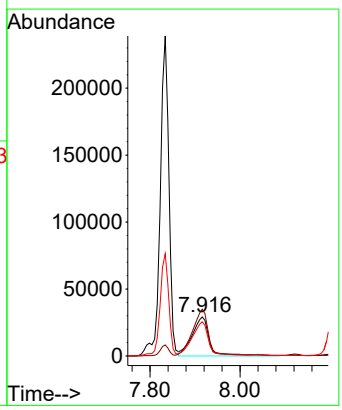


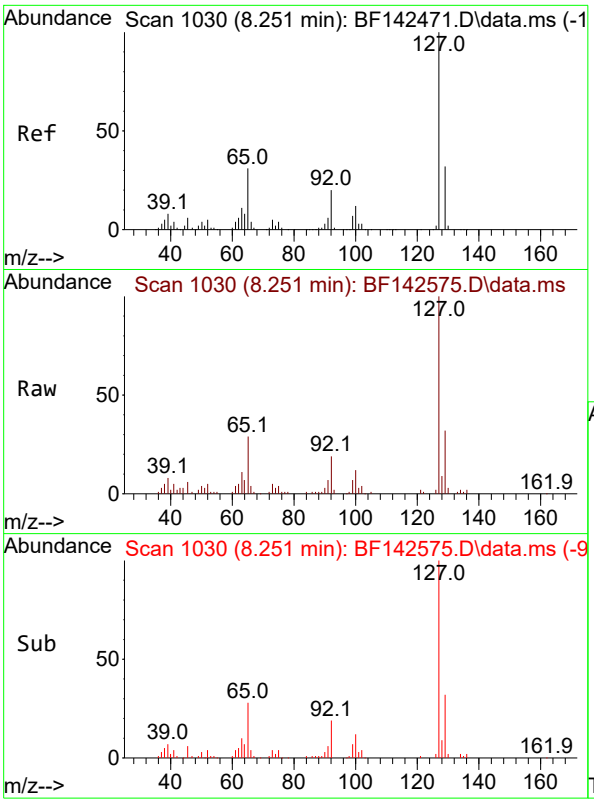


#32
Benzoic acid
Concen: 17.349 ng m
RT: 7.916 min Scan# 973
Delta R.T. -0.059 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:122 Resp: 78257

Ion	Ratio	Lower	Upper
122	100		
105	120.0	101.7	141.7
77	88.0	69.5	109.5



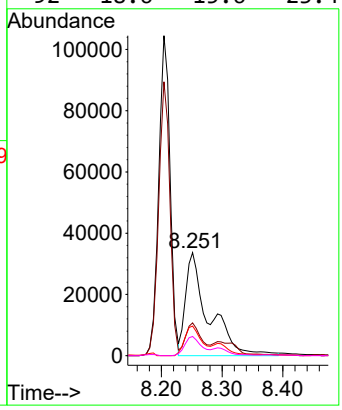


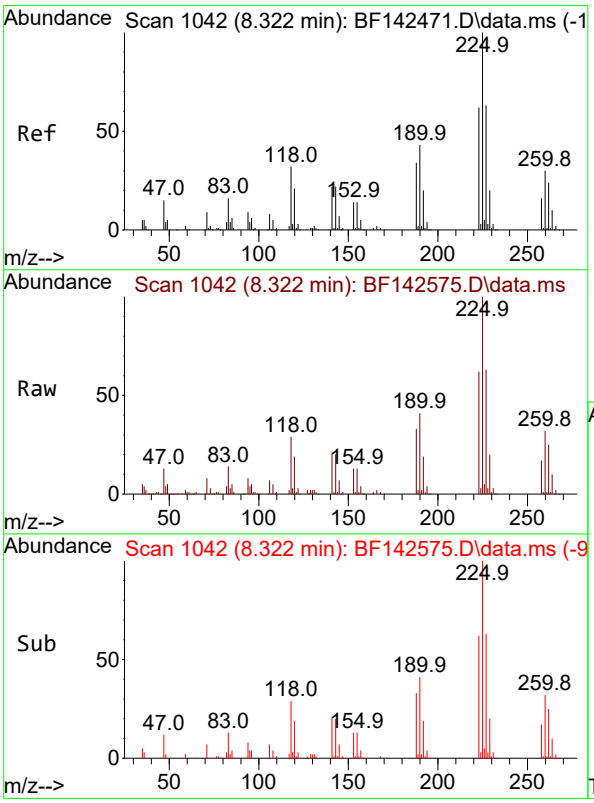
#33
4-Chloroaniline
Concen: 9.420 ng m
RT: 8.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:127 Resp: 89359

Ion	Ratio	Lower	Upper
127	100		
129	31.8	26.1	39.1
65	28.8	24.9	37.3
92	18.6	15.6	23.4

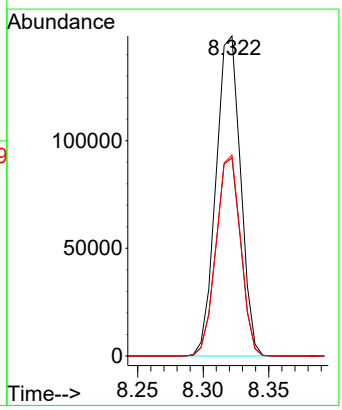


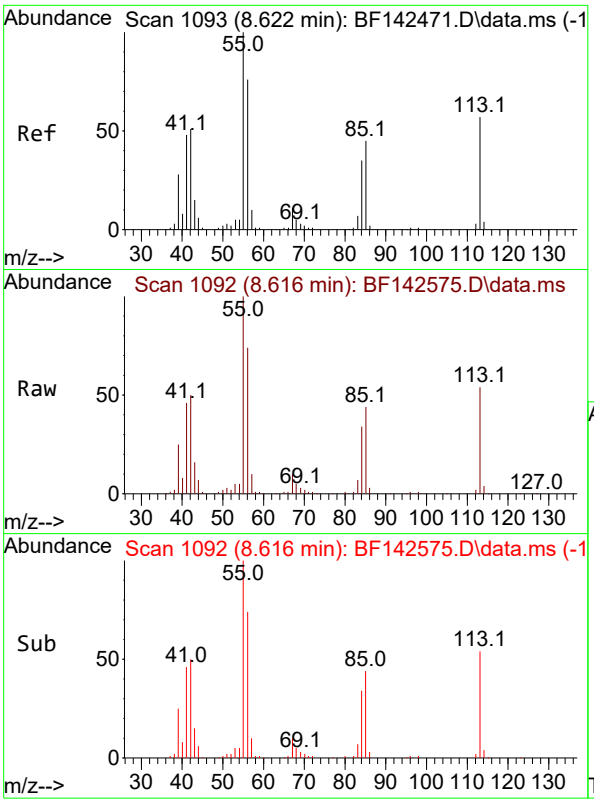


#34
Hexachlorobutadiene
Concen: 42.391 ng
RT: 8.322 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:225 Resp: 193579

Ion	Ratio	Lower	Upper
225	100		
223	61.9	49.7	74.5
227	62.8	50.3	75.5



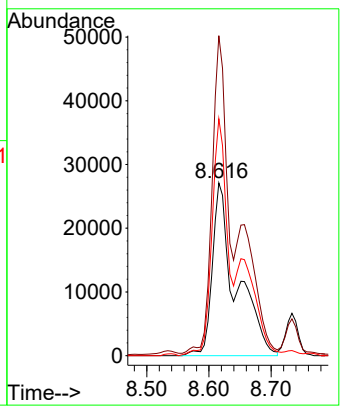


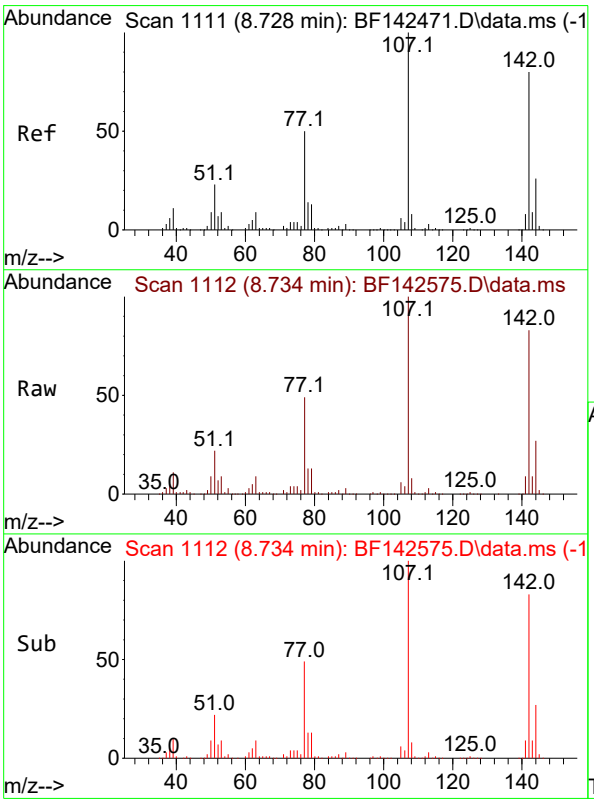
#35
Caprolactam
Concen: 38.003 ng m
RT: 8.616 min Scan# 1
Delta R.T. -0.029 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:113 Resp: 71925

Ion	Ratio	Lower	Upper
113	100		
55	185.2	154.7	194.7
56	137.1	113.2	153.2

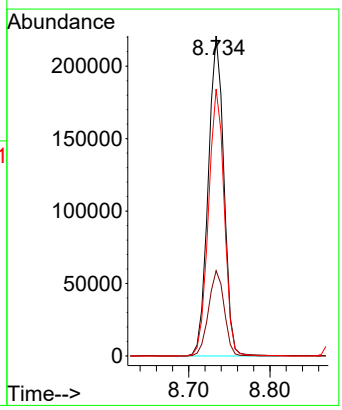


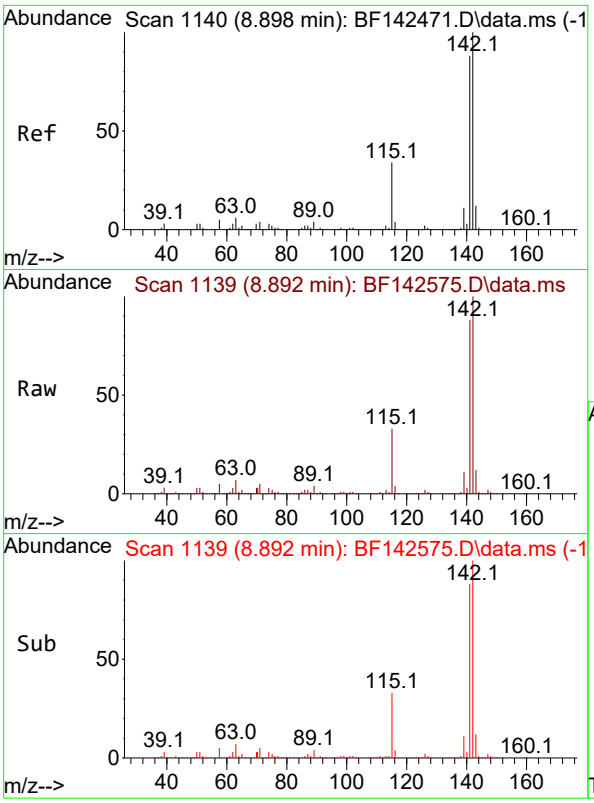


#36
4-Chloro-3-methylphenol
Concen: 42.793 ng
RT: 8.734 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:107 Resp: 295535

Ion	Ratio	Lower	Upper
107	100		
144	26.6	20.9	31.3
142	83.4	64.2	96.2



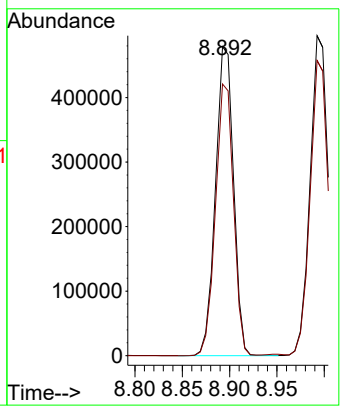


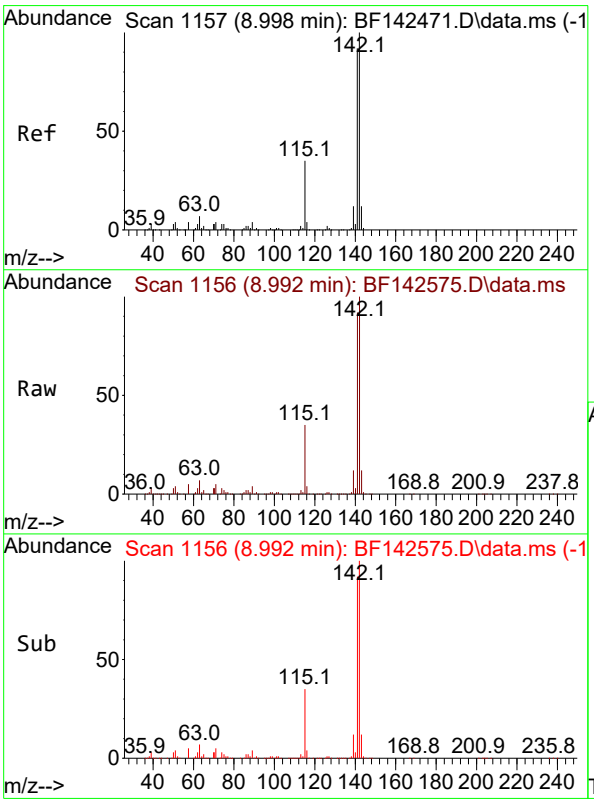
#37
2-Methylnaphthalene
Concen: 43.182 ng
RT: 8.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:142 Resp: 635978

Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.7	106.1

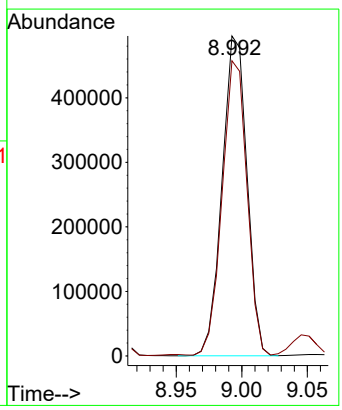


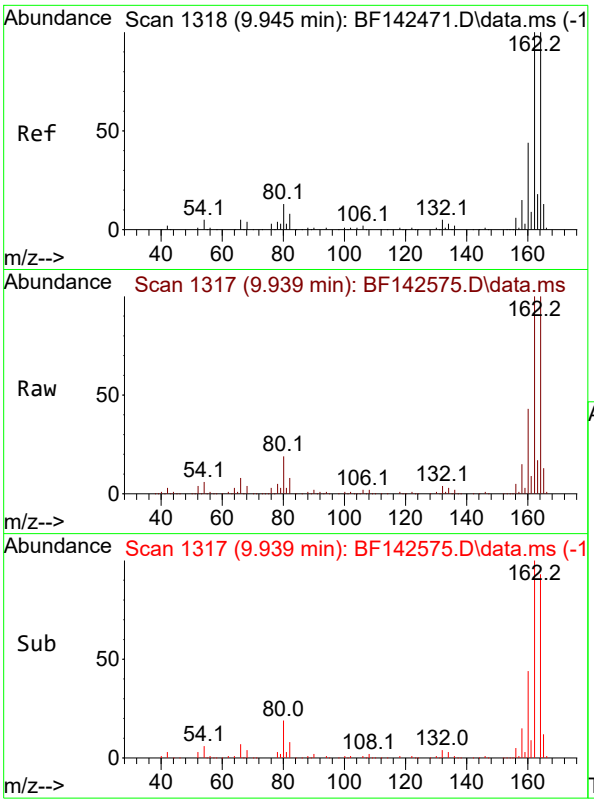


#38
1-Methylnaphthalene
Concen: 42.867 ng
RT: 8.992 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:142 Resp: 653030

Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.4	110.2



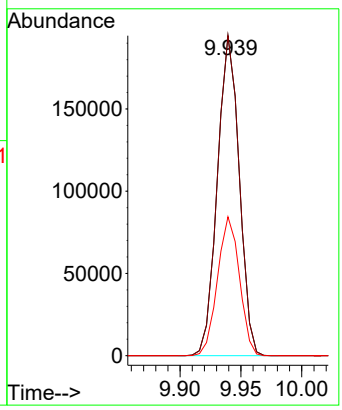


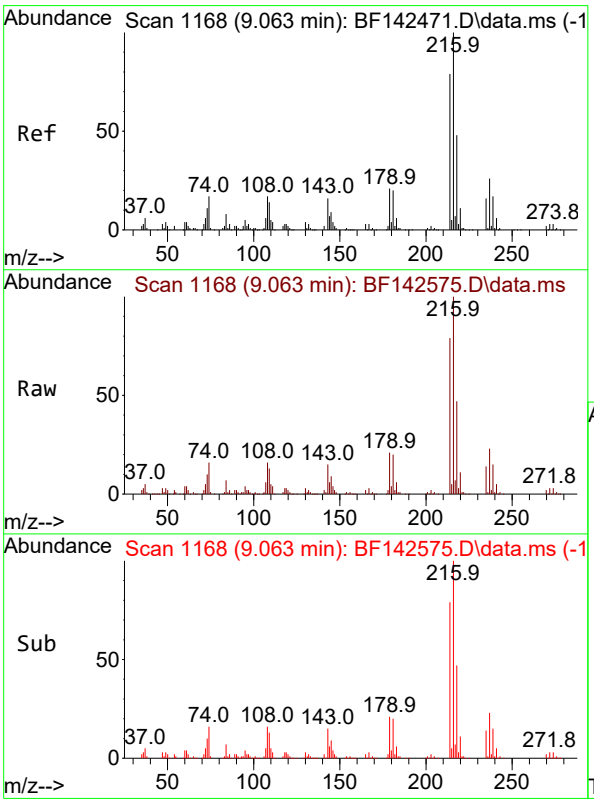
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:164 Resp: 242703

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.2	120.4
160	43.4	35.6	53.4

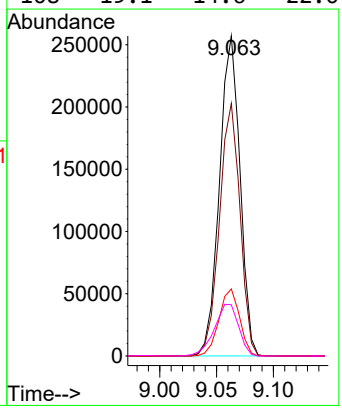


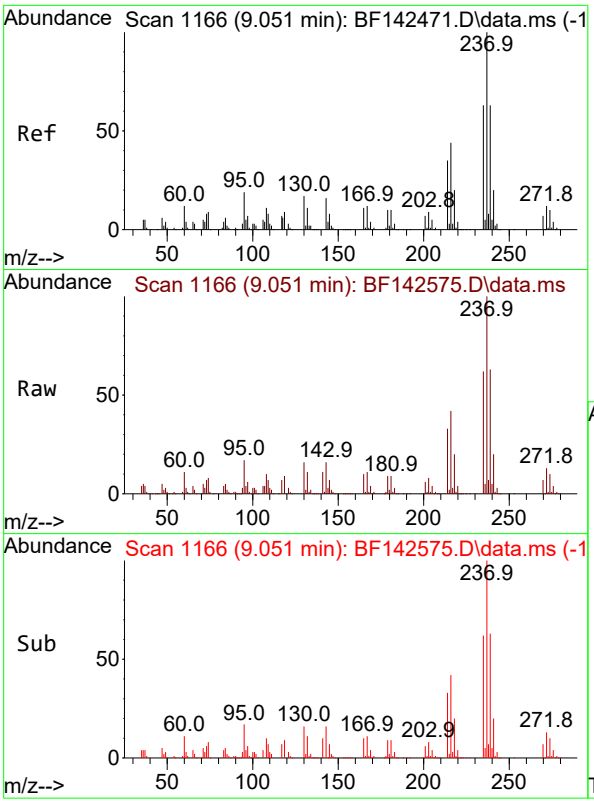


#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.394 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:216 Resp: 323229

Ion	Ratio	Lower	Upper
216	100		
214	79.0	62.9	94.3
179	21.0	16.9	25.3
108	19.1	14.6	22.0



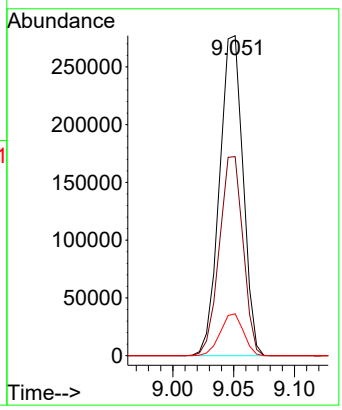


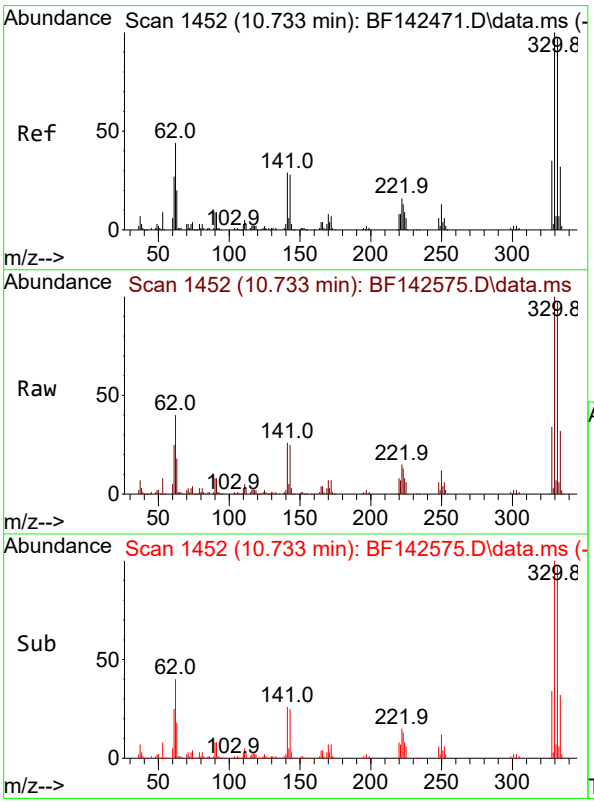
#41
Hexachlorocyclopentadiene
Concen: 79.292 ng
RT: 9.051 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:237 Resp: 372659

Ion	Ratio	Lower	Upper
237	100		
235	62.2	43.3	83.3
272	13.1	0.0	32.4

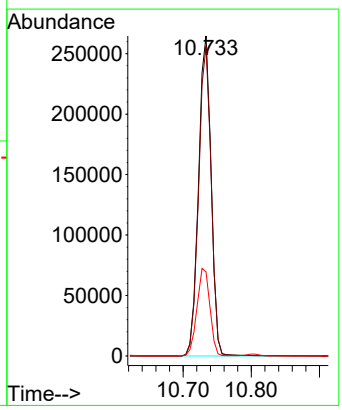


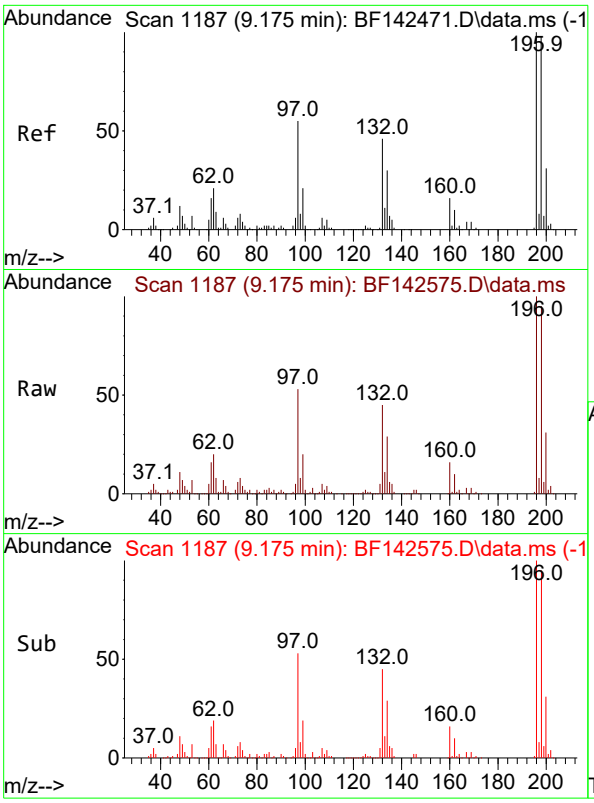


#42
2,4,6-Tribromophenol
Concen: 125.628 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:330 Resp: 338403

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.6	116.4
141	28.2	24.6	36.8



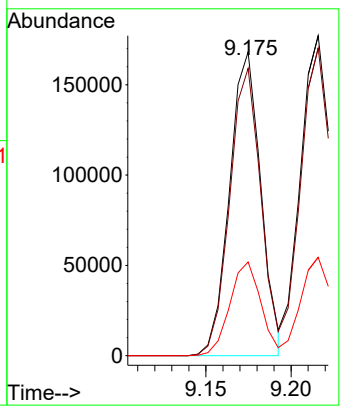


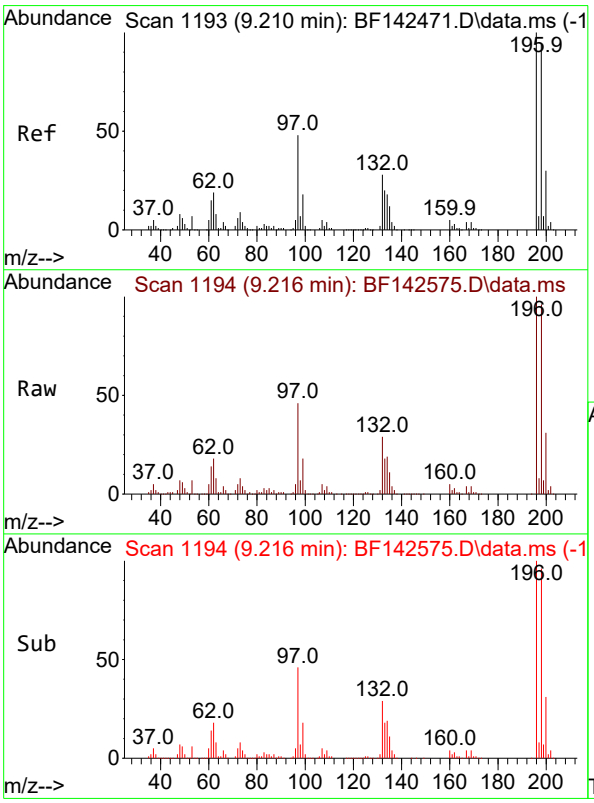
#43
2,4,6-Trichlorophenol
Concen: 45.679 ng
RT: 9.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:196 Resp: 214598

Ion	Ratio	Lower	Upper
196	100		
198	94.6	78.8	118.2
200	30.9	24.9	37.3

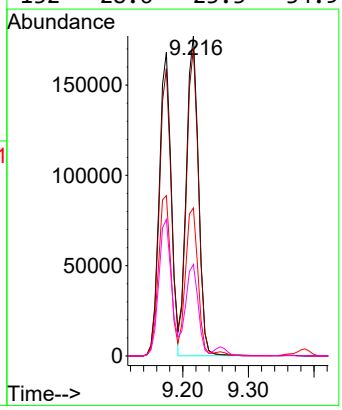


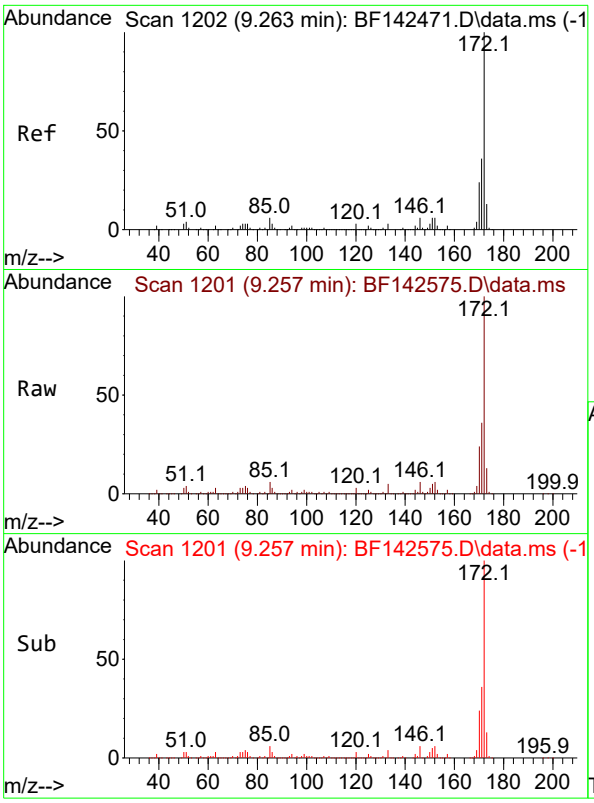


#44
2,4,5-Trichlorophenol
Concen: 45.816 ng
RT: 9.216 min Scan# 1194
Delta R.T. 0.000 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:196 Resp: 227005

Ion	Ratio	Lower	Upper
196	100		
198	96.2	75.5	113.3
97	46.3	39.3	58.9
132	28.6	23.3	34.9



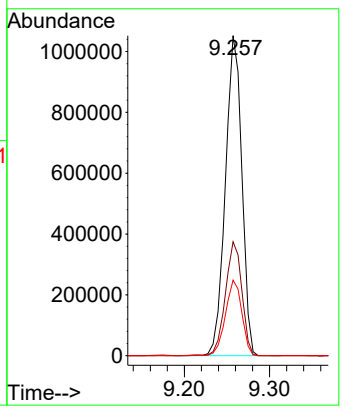


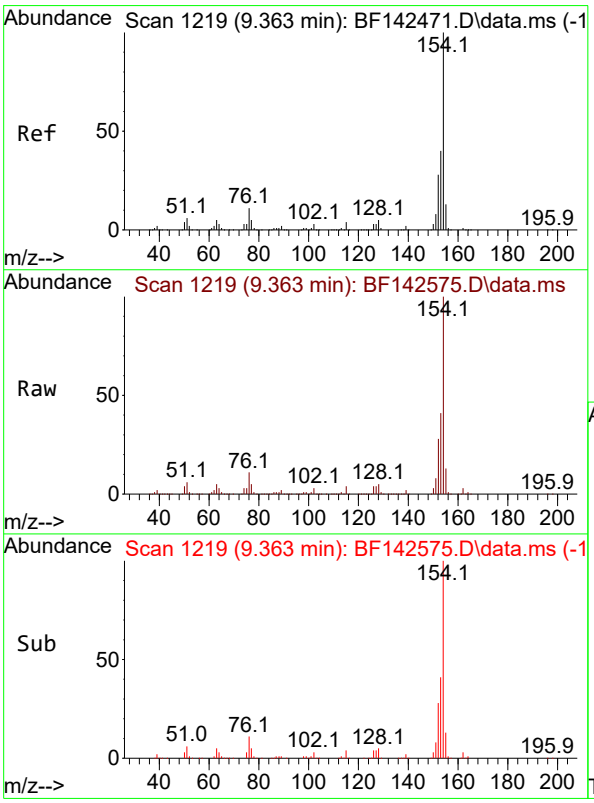
#45
2-Fluorobiphenyl
Concen: 77.928 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:172 Resp: 1409485

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	42.8
170	23.6	18.9	28.3

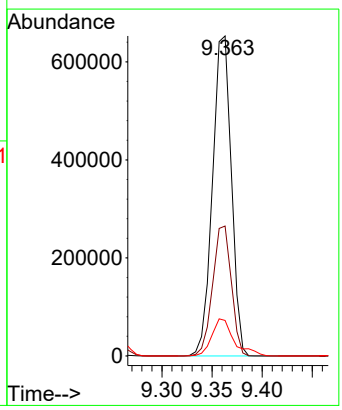


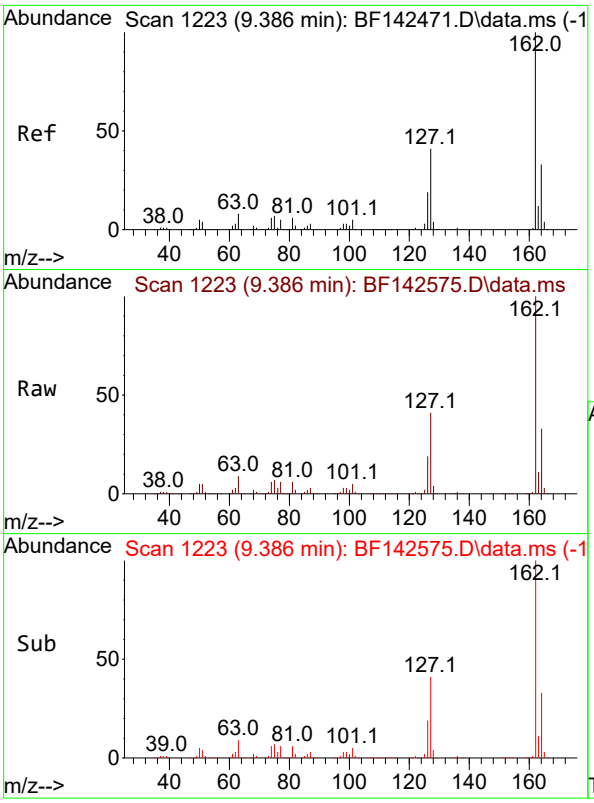


#46
1,1'-Biphenyl
Concen: 45.208 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:154 Resp: 851230

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.4	60.4
76	11.1	0.0	30.8



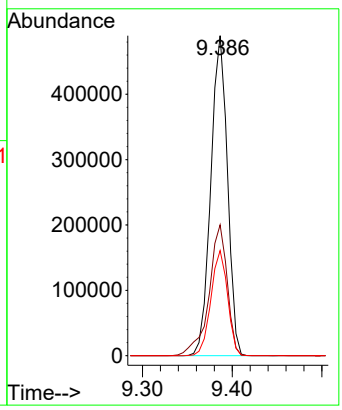


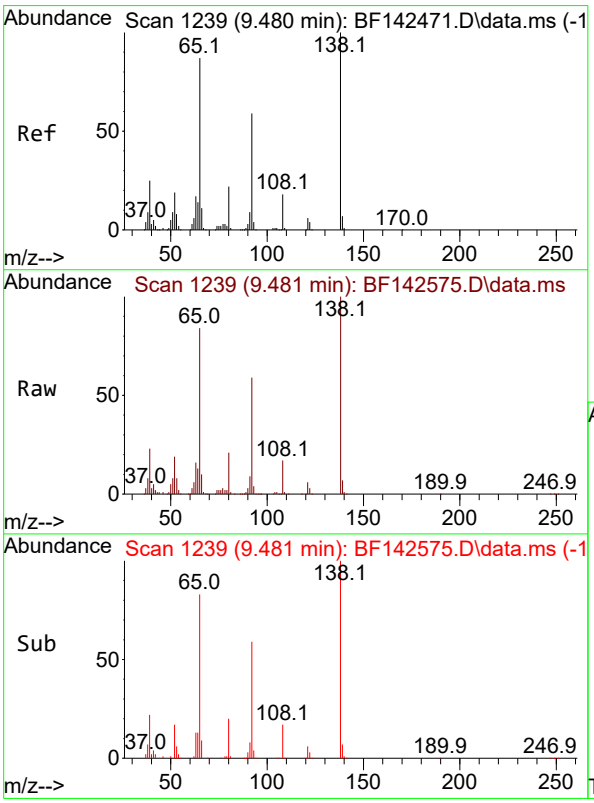
#47
2-Chloronaphthalene
Concen: 45.290 ng
RT: 9.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:162 Resp: 630060

Ion	Ratio	Lower	Upper
162	100		
127	40.9	33.5	50.3
164	32.9	26.1	39.1

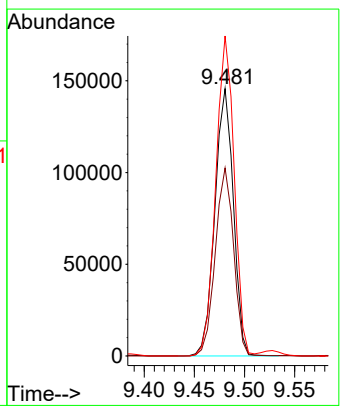


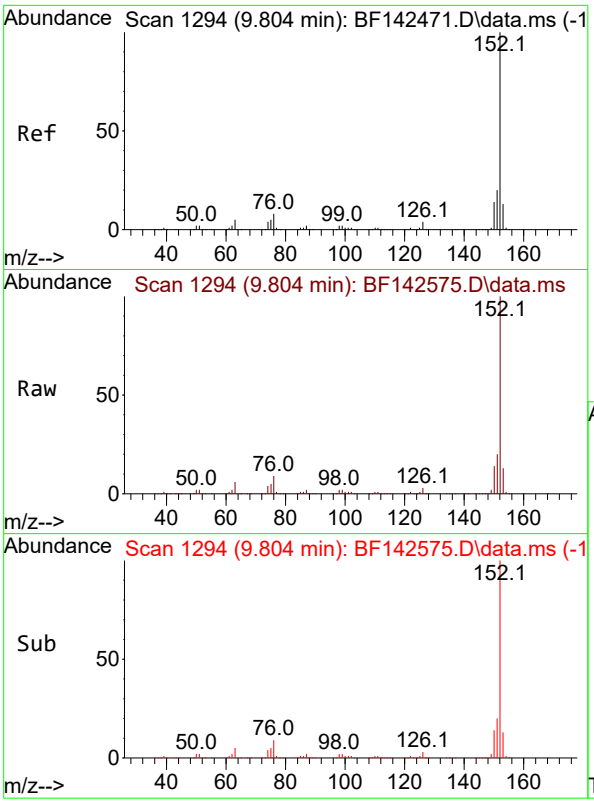


#48
2-Nitroaniline
Concen: 46.556 ng
RT: 9.481 min Scan# 1239
Delta R.T. -0.005 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion: 65 Resp: 187208

Ion	Ratio	Lower	Upper
65	100		
92	70.3	54.4	81.6
138	119.7	91.4	137.2



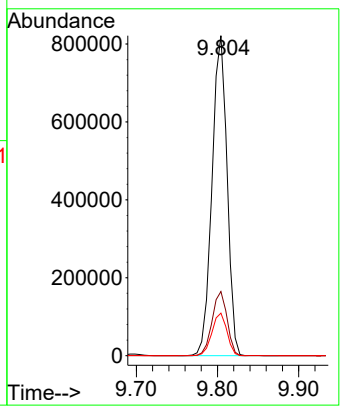


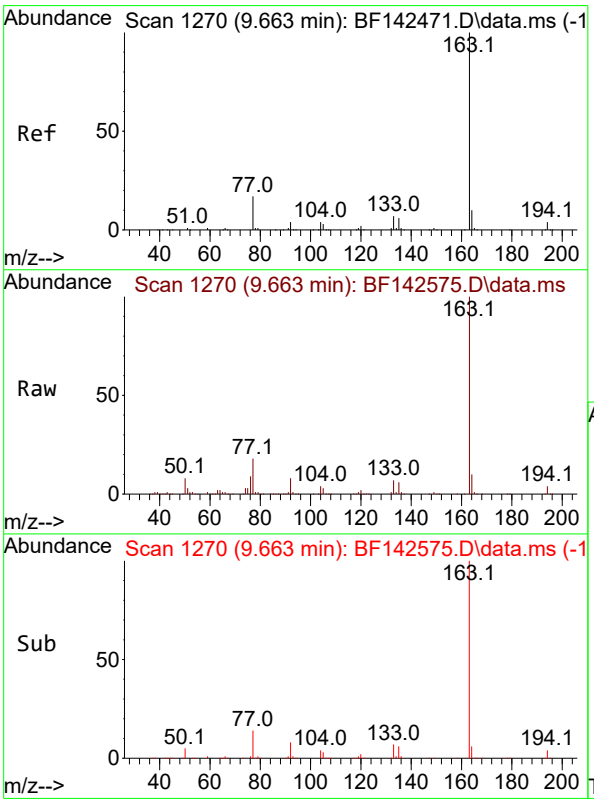
#49
Acenaphthylene
Concen: 44.979 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:152 Resp: 1056597

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.8
153	13.3	10.6	15.8

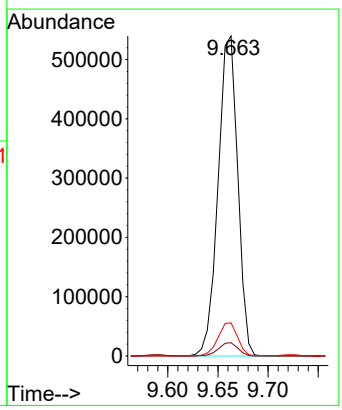


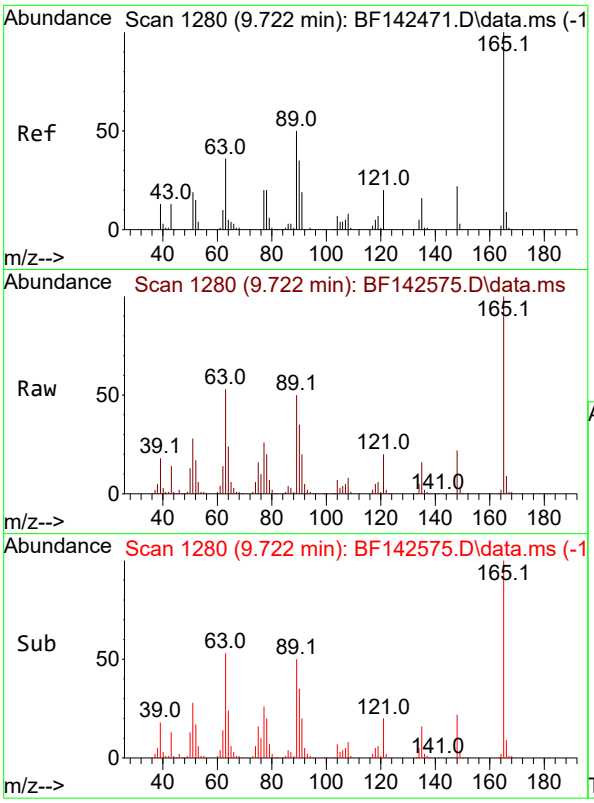


#50
Dimethylphthalate
Concen: 45.799 ng
RT: 9.663 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:163 Resp: 733448

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.3	8.2	12.4



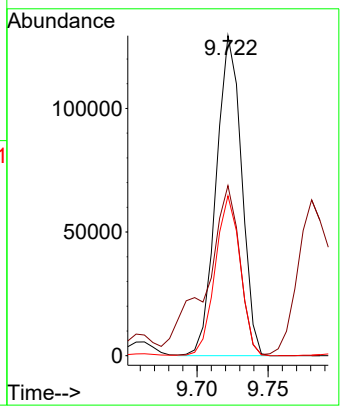


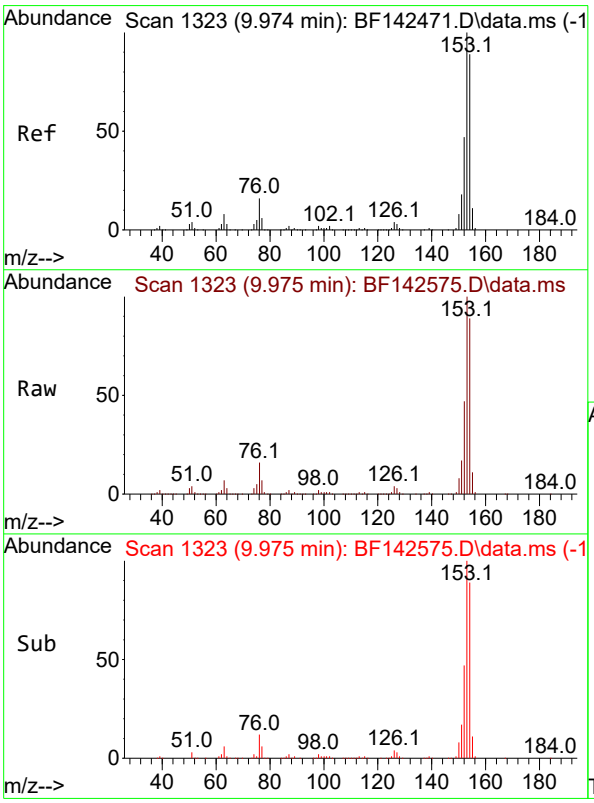
#51
2,6-Dinitrotoluene
Concen: 46.510 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:165 Resp: 160757

Ion	Ratio	Lower	Upper
165	100		
63	53.1	42.9	64.3
89	49.9	40.2	60.4

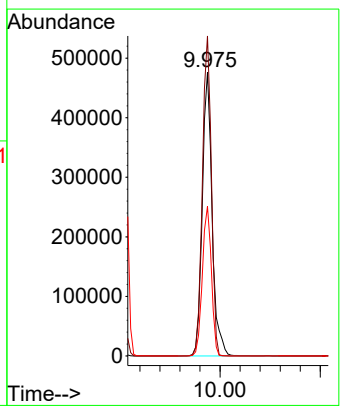


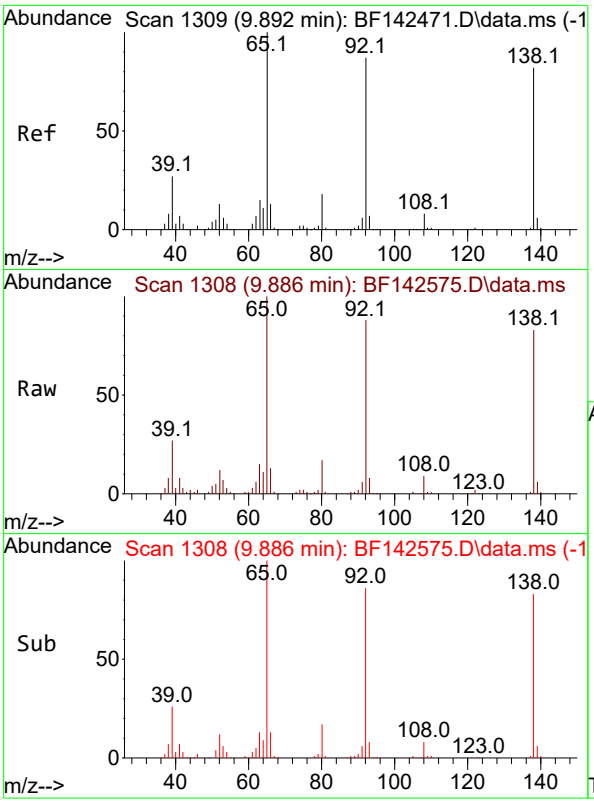


#52
Acenaphthene
Concen: 45.168 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.005 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:154 Resp: 647899

Ion	Ratio	Lower	Upper
154	100		
153	112.8	90.0	135.0
152	52.8	42.6	64.0



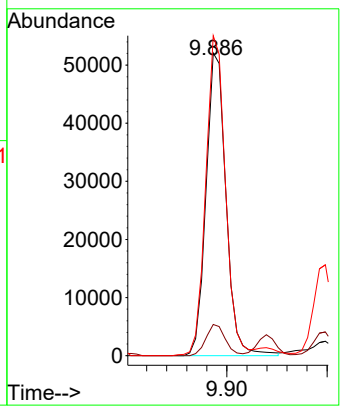


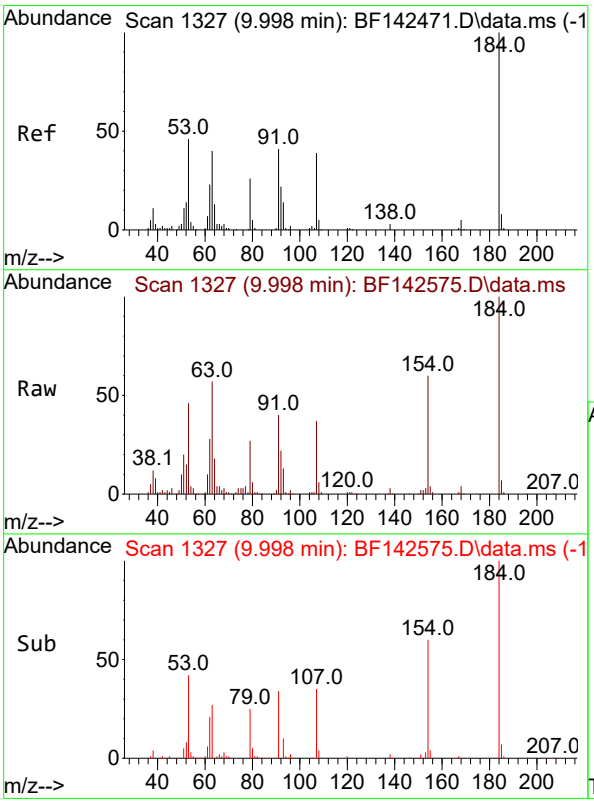
#53
3-Nitroaniline
Concen: 19.129 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:138 Resp: 72217

Ion	Ratio	Lower	Upper
138	100		
108	10.3	8.1	12.1
92	105.7	85.2	127.8

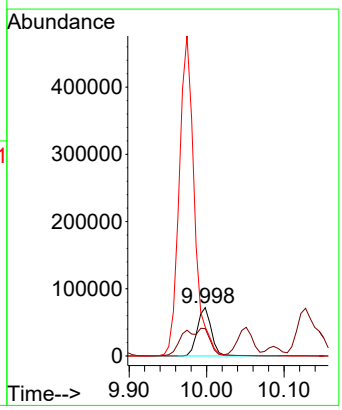


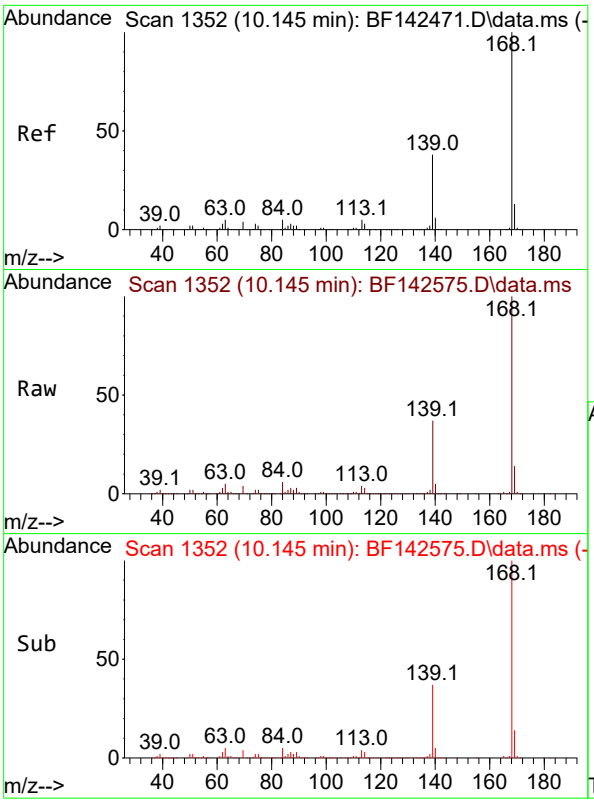


#54
2,4-Dinitrophenol
Concen: 50.908 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:184 Resp: 90906

Ion	Ratio	Lower	Upper
184	100		
63	56.8	46.3	69.5
154	60.0	56.8	85.2



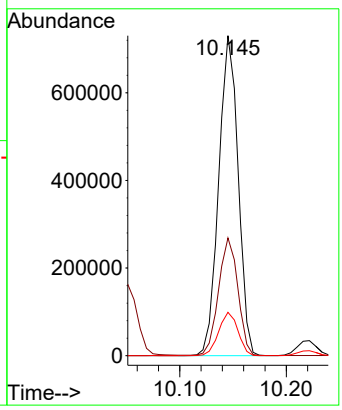


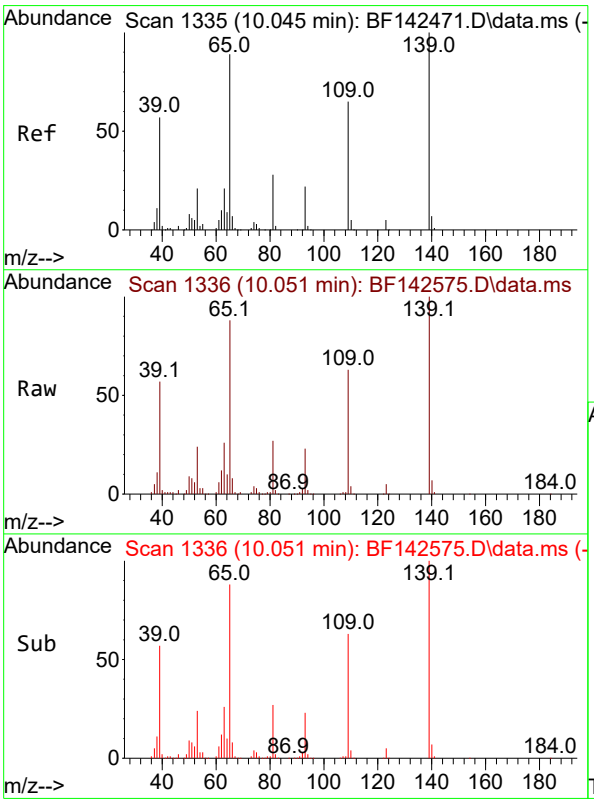
#55
Dibenzofuran
Concen: 44.709 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:168 Resp: 922876

Ion	Ratio	Lower	Upper
168	100		
139	36.8	30.2	45.2
169	13.5	10.7	16.1

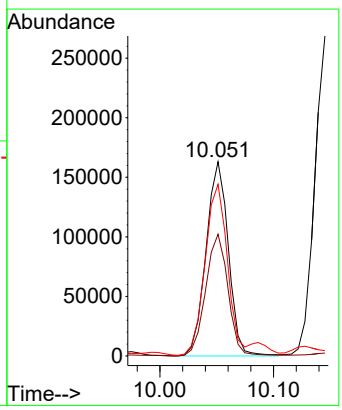


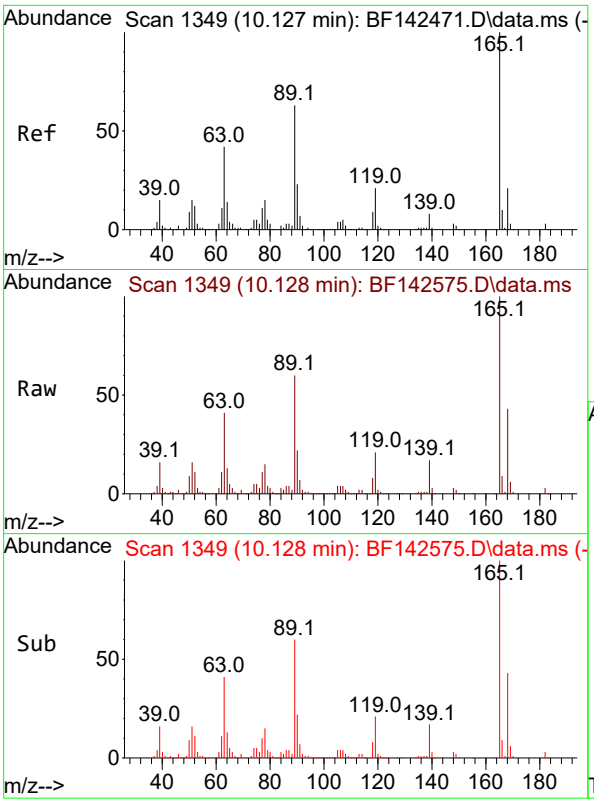


#56
4-Nitrophenol
Concen: 80.015 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:139 Resp: 222884

Ion	Ratio	Lower	Upper
139	100		
109	62.7	45.1	85.1
65	88.4	69.7	109.7



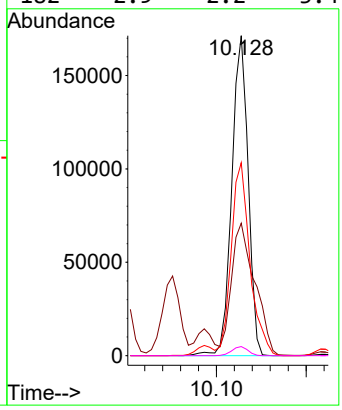


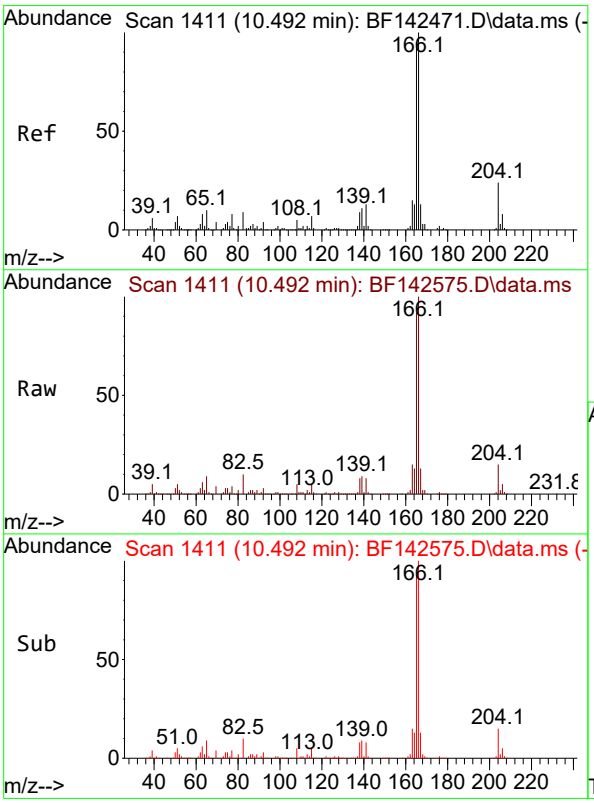
#57
2,4-Dinitrotoluene
Concen: 47.929 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:165 Resp: 216349

Ion	Ratio	Lower	Upper
165	100		
63	41.4	33.6	50.4
89	60.3	50.2	75.4
182	2.9	2.2	3.4

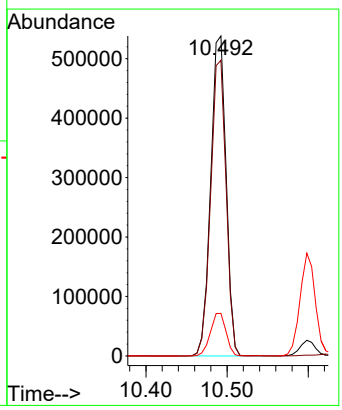


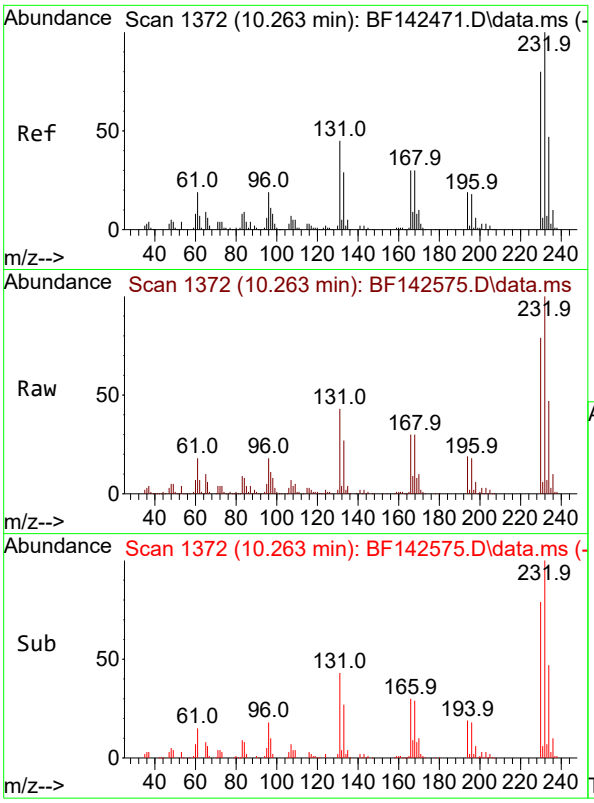


#58
Fluorene
Concen: 44.373 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:166 Resp: 707598

Ion	Ratio	Lower	Upper
166	100		
165	92.4	75.8	113.8
167	13.3	10.6	16.0



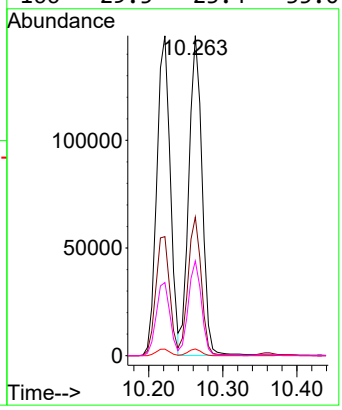


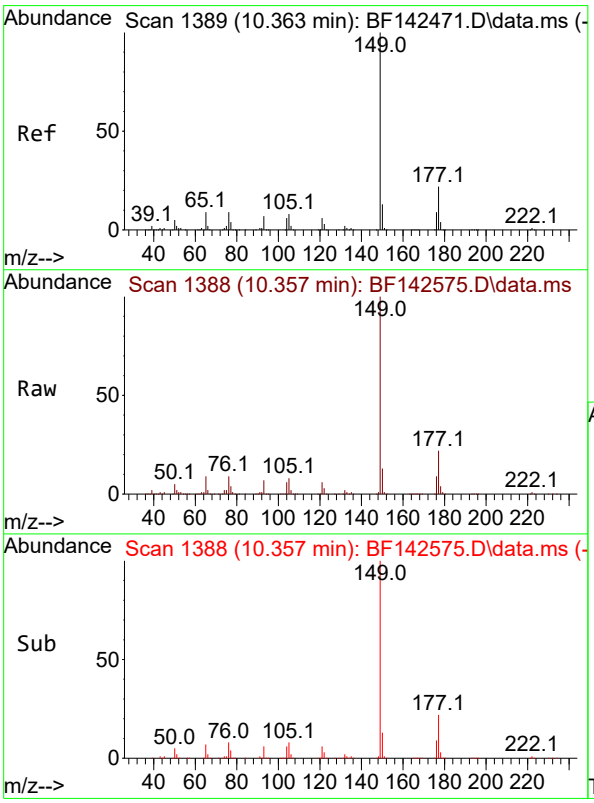
#59
2,3,4,6-Tetrachlorophenol
Concen: 44.446 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:232 Resp: 183840

Ion	Ratio	Lower	Upper
232	100		
131	43.4	35.2	52.8
130	2.1	1.7	2.5
166	29.5	23.4	35.0

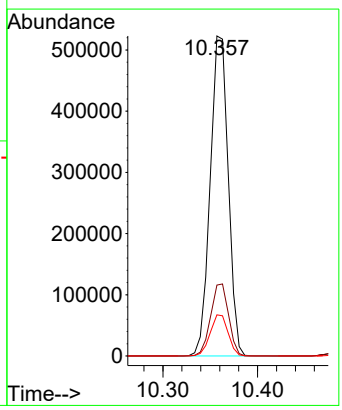


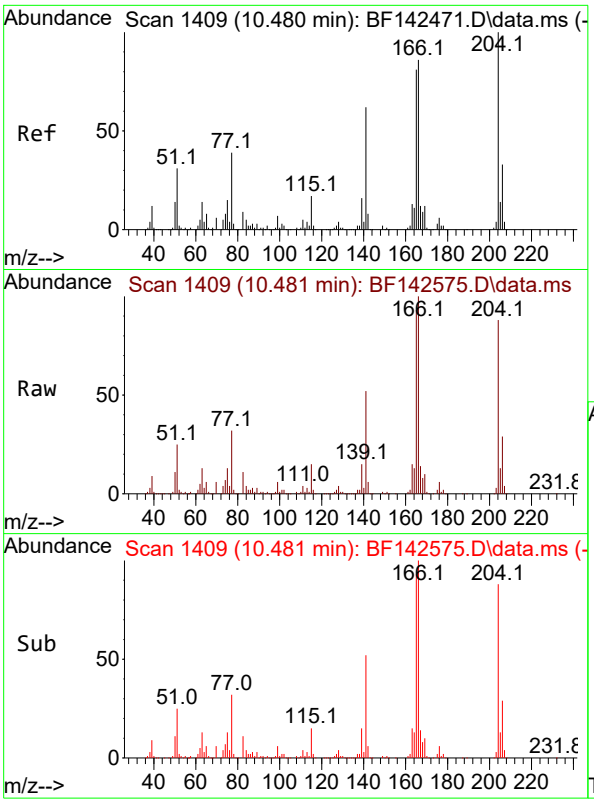


#60
Diethylphthalate
Concen: 44.342 ng
RT: 10.357 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:149 Resp: 693528

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.6	26.4
150	12.9	10.1	15.1



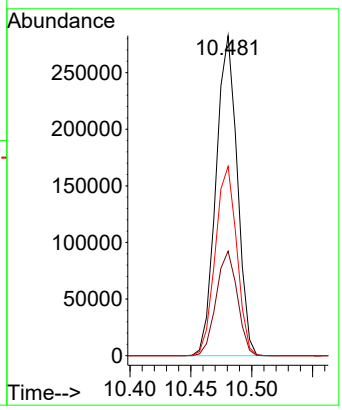


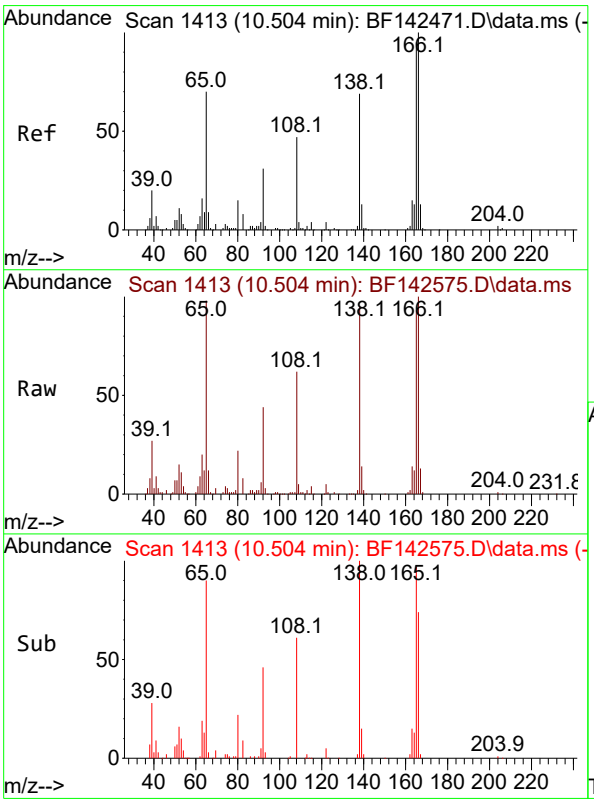
#61
4-Chlorophenyl-phenylether
Concen: 43.800 ng
RT: 10.481 min Scan# 14
Delta R.T. -0.005 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:204 Resp: 343117

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.3	39.5
141	59.2	49.5	74.3

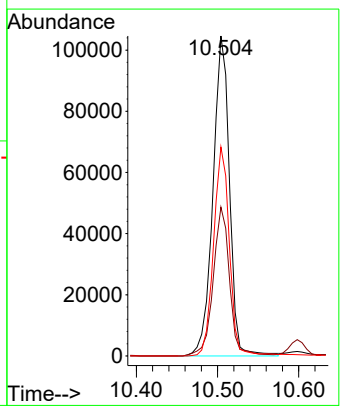


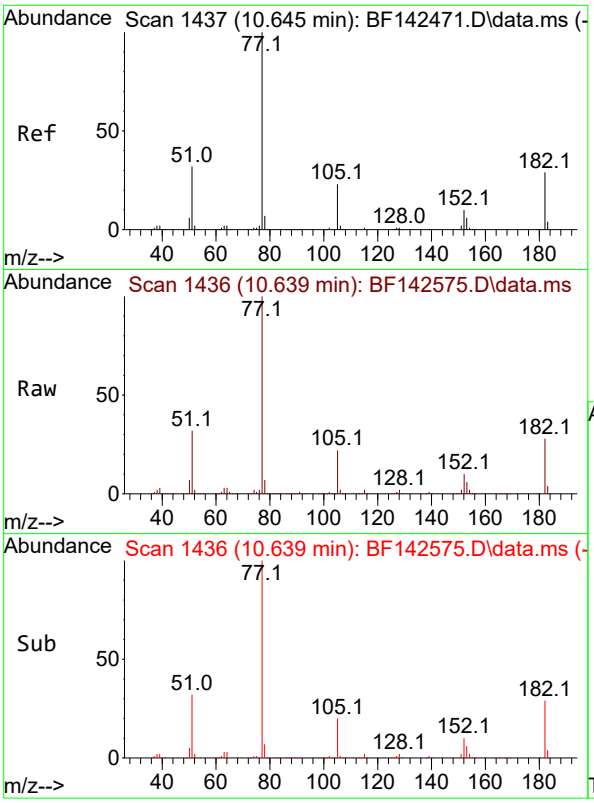


#62
4-Nitroaniline
Concen: 43.369 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:138 Resp: 148490

Ion	Ratio	Lower	Upper
138	100		
92	46.5	26.0	66.0
108	65.3	48.4	88.4



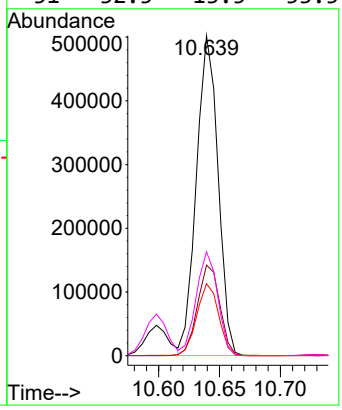


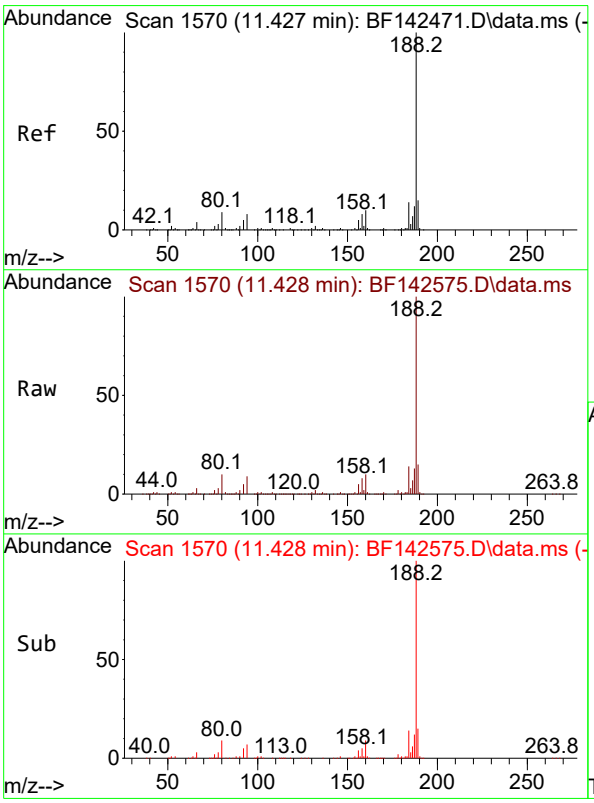
#63
Azobenzene
Concen: 44.273 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion: 77 Resp: 621944

Ion	Ratio	Lower	Upper
77	100		
182	28.3	9.0	49.0
105	22.5	2.4	42.4
51	32.5	13.5	53.5

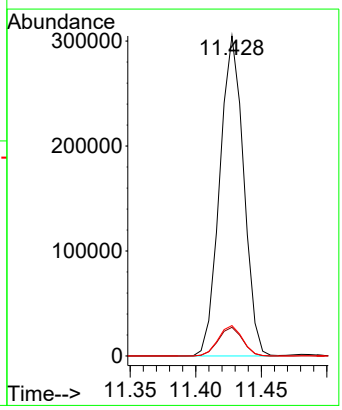


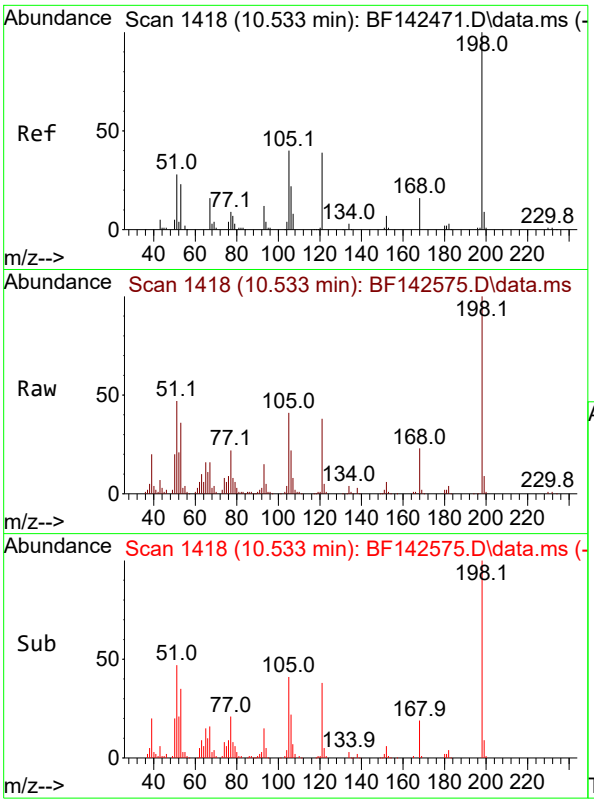


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:188 Resp: 386820

Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.6	10.0
80	9.5	7.4	11.0



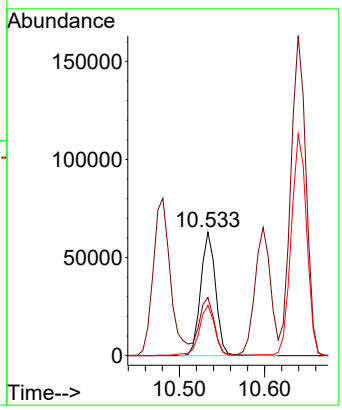


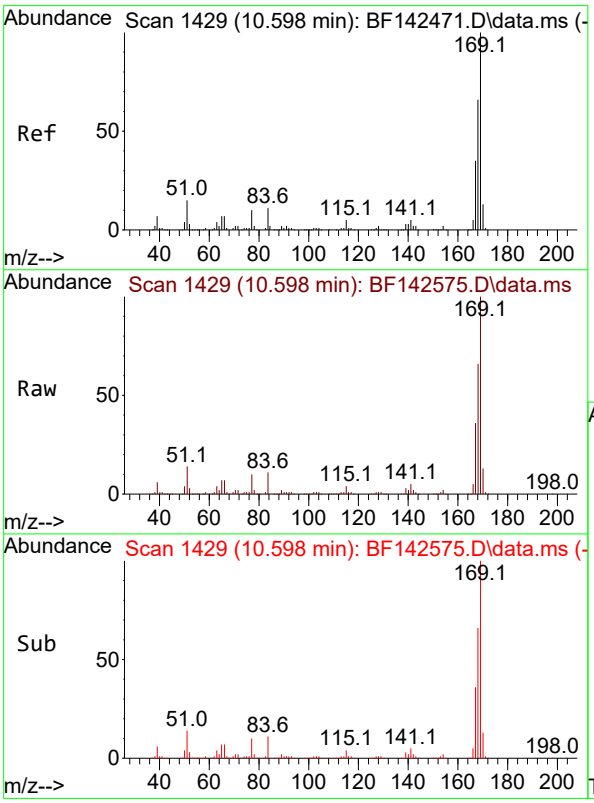
#65
4,6-Dinitro-2-methylphenol
Concen: 35.532 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:198 Resp: 76704

Ion	Ratio	Lower	Upper
198	100		
51	47.2	28.3	68.3
105	40.7	21.3	61.3

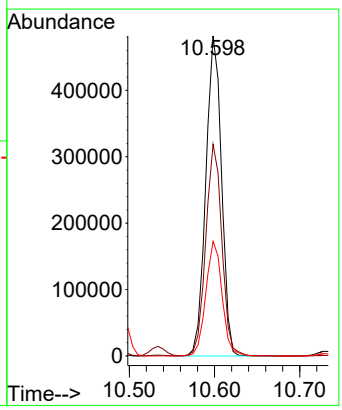


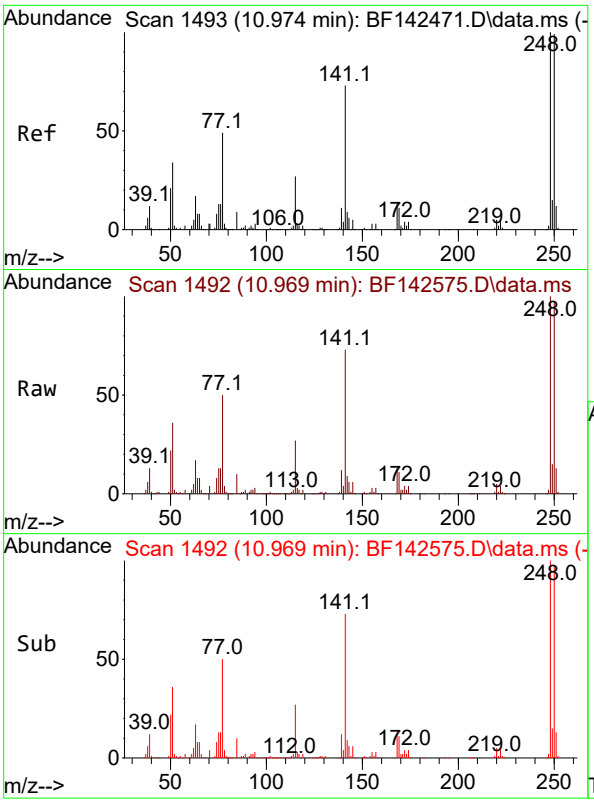


#66
n-Nitrosodiphenylamine
Concen: 46.558 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:169 Resp: 616149

Ion	Ratio	Lower	Upper
169	100		
168	66.2	52.7	79.1
167	35.8	28.3	42.5



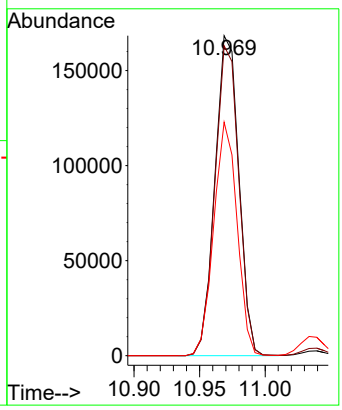


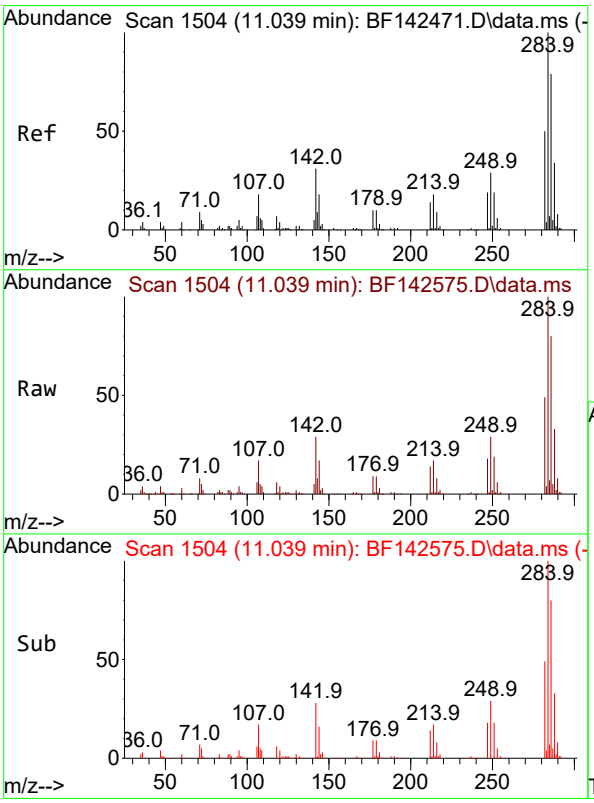
#67
4-Bromophenyl-phenylether
Concen: 46.686 ng
RT: 10.969 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:248 Resp: 213536

Ion	Ratio	Lower	Upper
248	100		
250	96.8	79.0	118.4
141	72.9	58.4	87.6

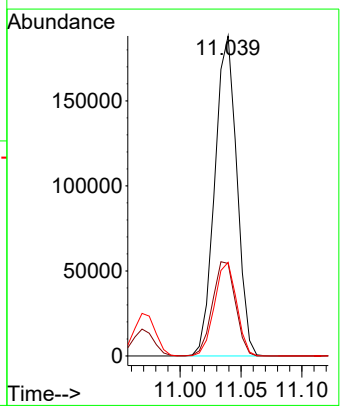


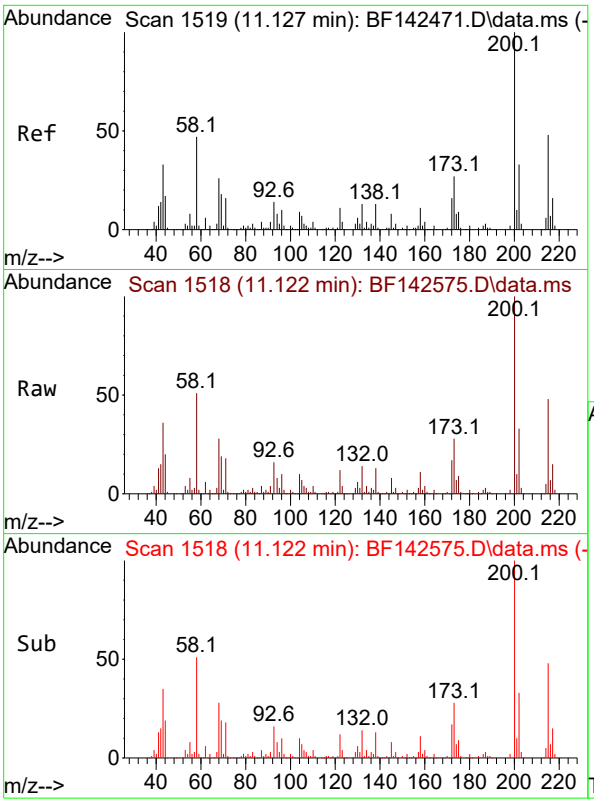


#68
Hexachlorobenzene
Concen: 46.861 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:284 Resp: 237061

Ion	Ratio	Lower	Upper
284	100		
142	28.9	24.8	37.2
249	29.2	23.6	35.4



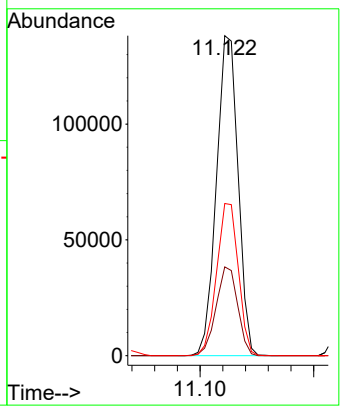


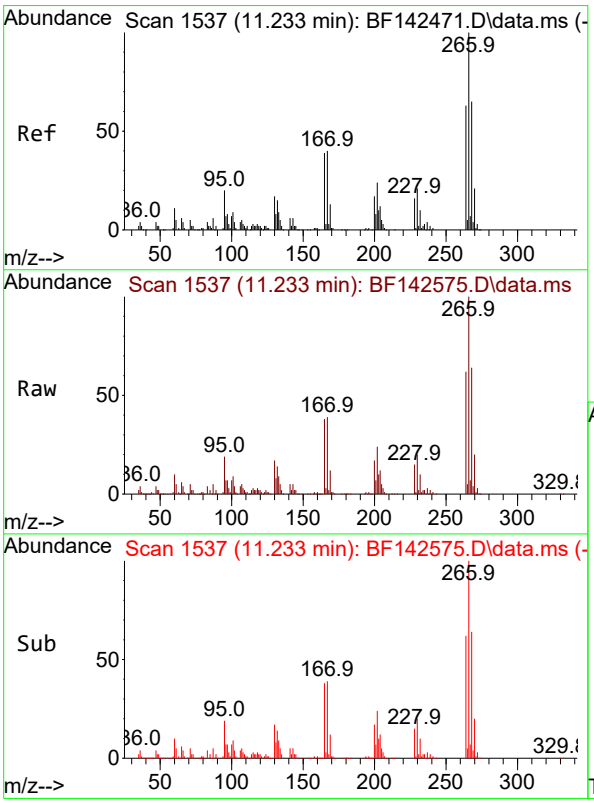
#69
Atrazine
Concen: 52.059 ng
RT: 11.122 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:200 Resp: 182965

Ion	Ratio	Lower	Upper
200	100		
173	27.8	7.4	47.4
215	47.5	28.5	68.5

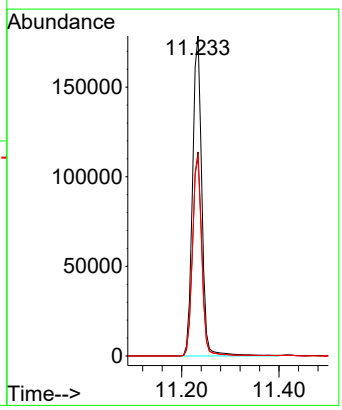


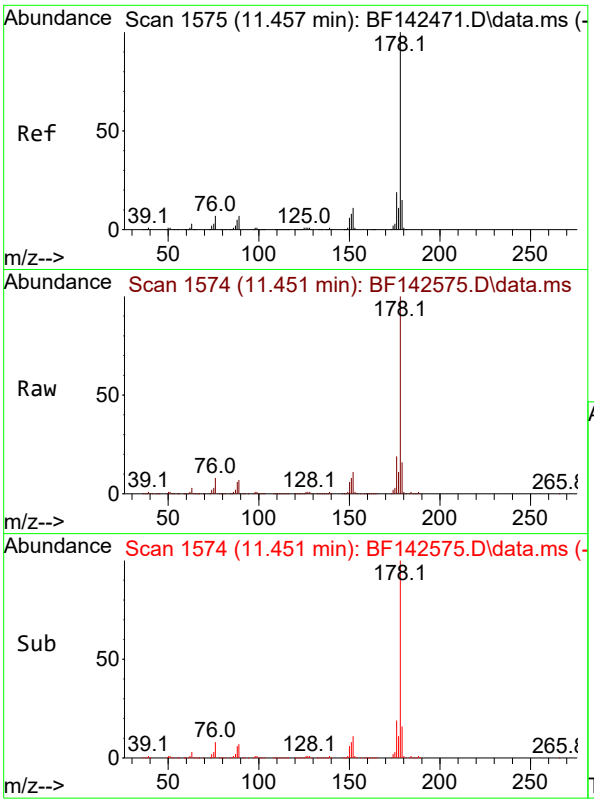


#70
Pentachlorophenol
Concen: 83.193 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:266 Resp: 237608

Ion	Ratio	Lower	Upper
266	100		
268	63.7	51.7	77.5
264	62.0	50.4	75.6



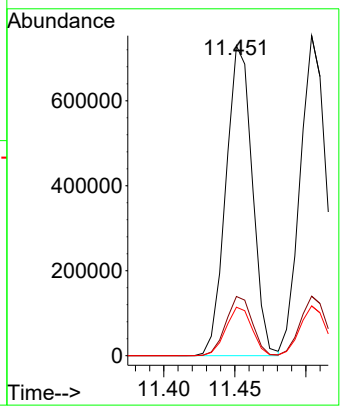


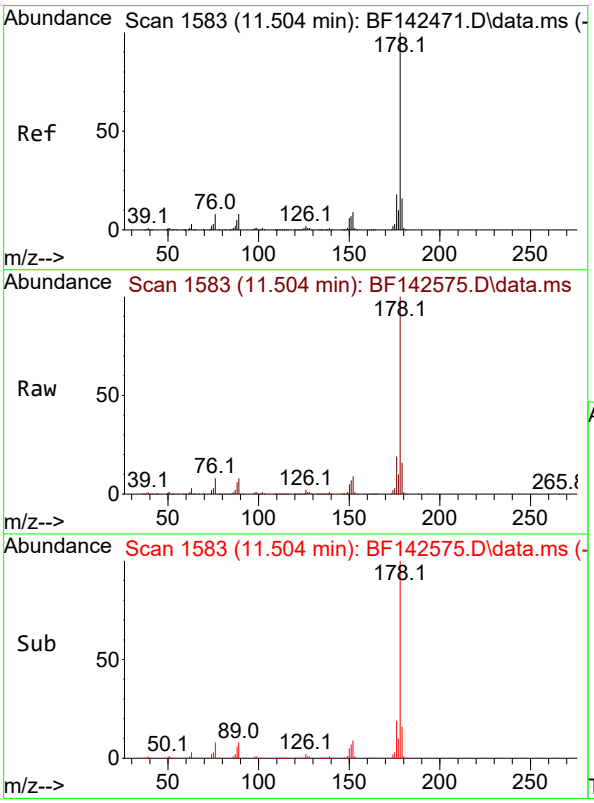
#71
Phenanthrene
Concen: 45.675 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:178 Resp: 944210

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.6	12.3	18.5

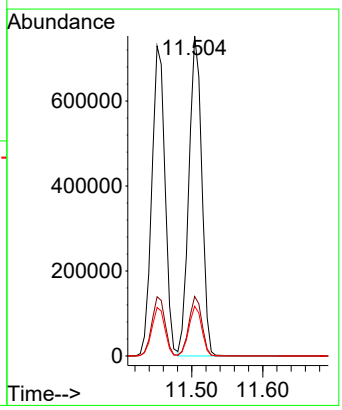


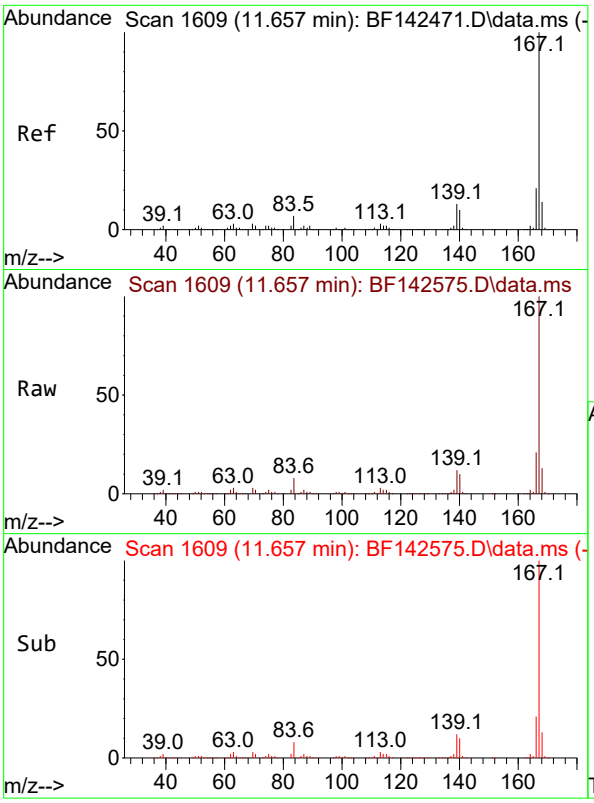


#72
Anthracene
Concen: 44.945 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:178 Resp: 948235

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	21.8
179	15.6	12.4	18.6



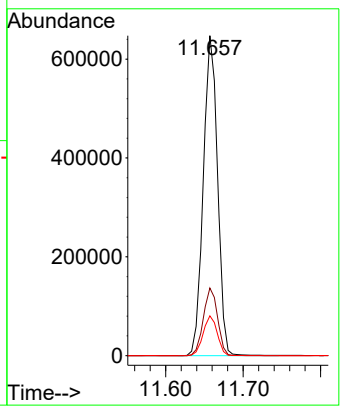


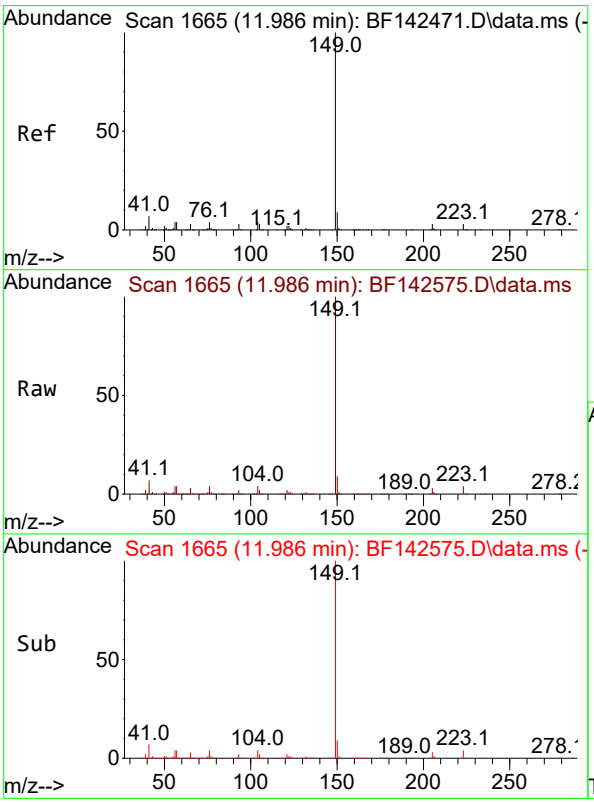
#73
Carbazole
Concen: 45.859 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:167 Resp: 827137

Ion	Ratio	Lower	Upper
167	100		
166	21.1	16.9	25.3
139	12.5	10.2	15.4

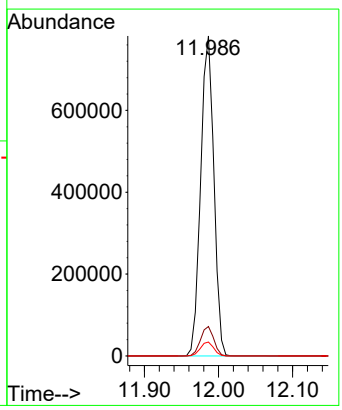


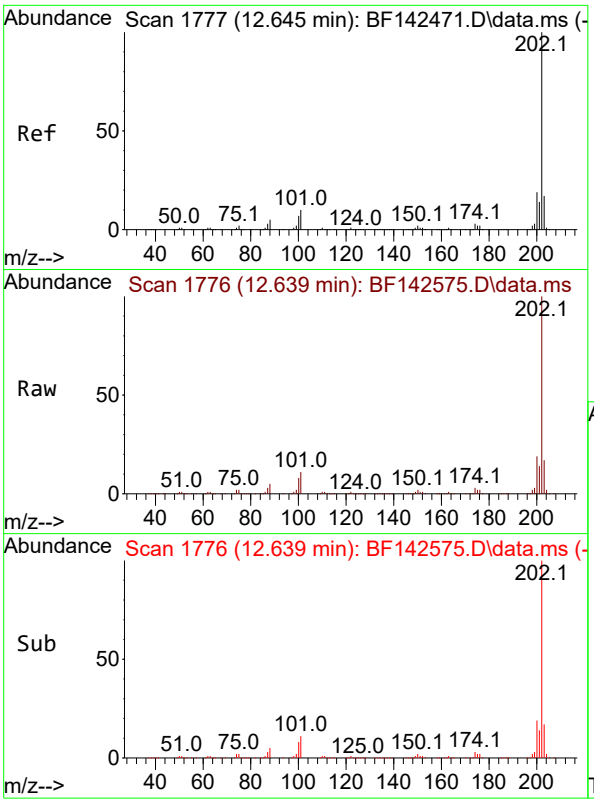


#74
Di-n-butylphthalate
Concen: 48.920 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:149 Resp: 965813

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.4	3.6	5.4



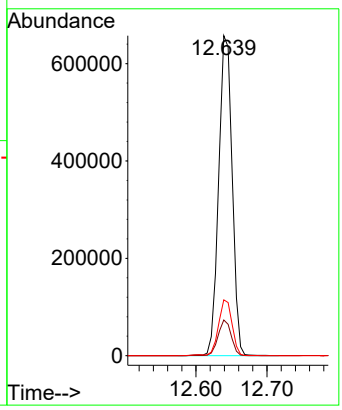


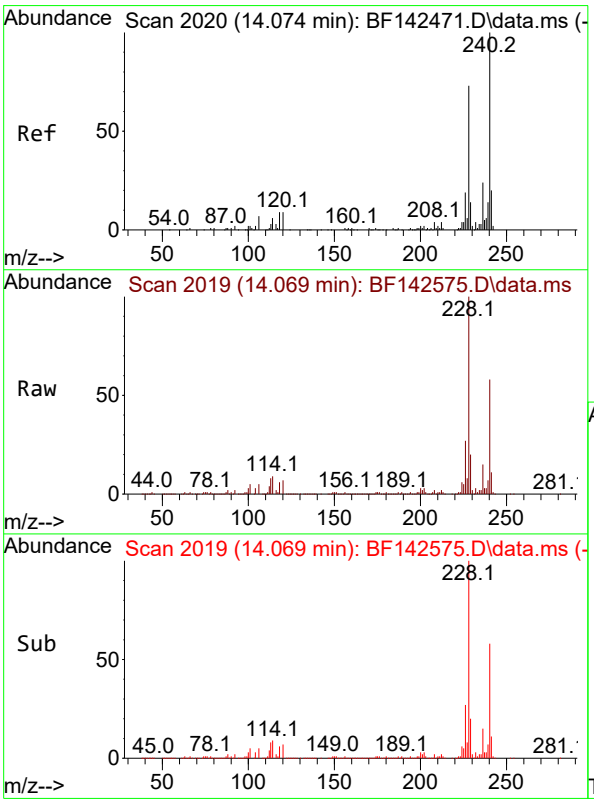
#75
Fluoranthene
Concen: 44.729 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:202 Resp: 863997

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	29.6
203	17.4	0.0	37.2

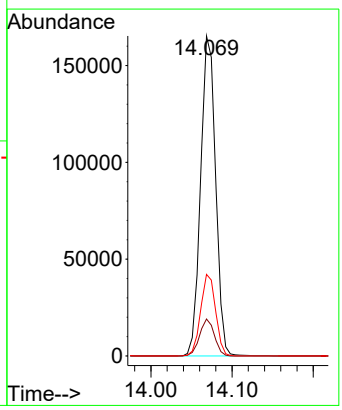


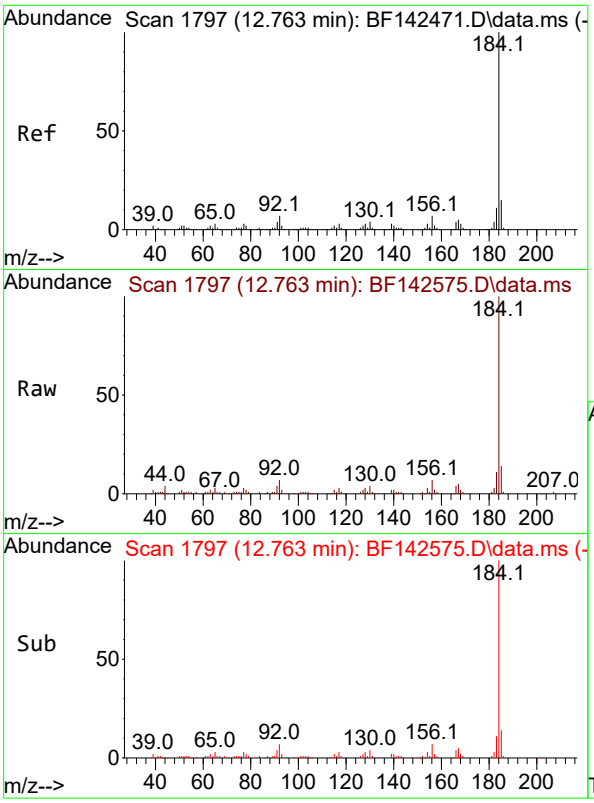


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:240 Resp: 212085

Ion	Ratio	Lower	Upper
240	100		
120	11.6	7.5	11.3#
236	25.5	19.6	29.4



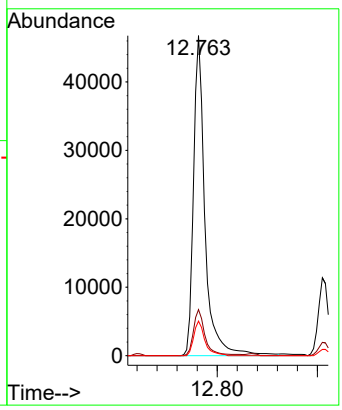


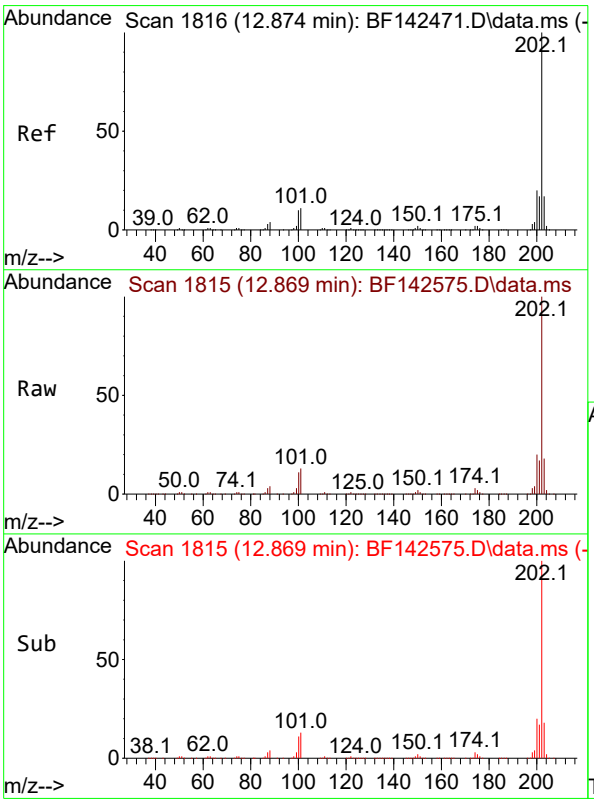
#77
Benzidine
Concen: 9.374 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:184 Resp: 73986

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.6	17.4
183	10.8	9.0	13.4

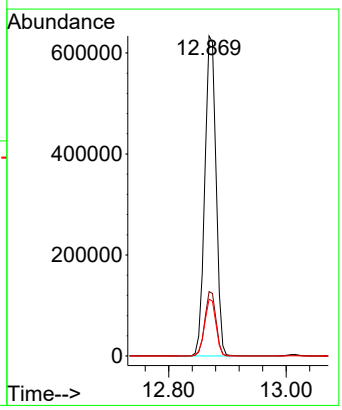


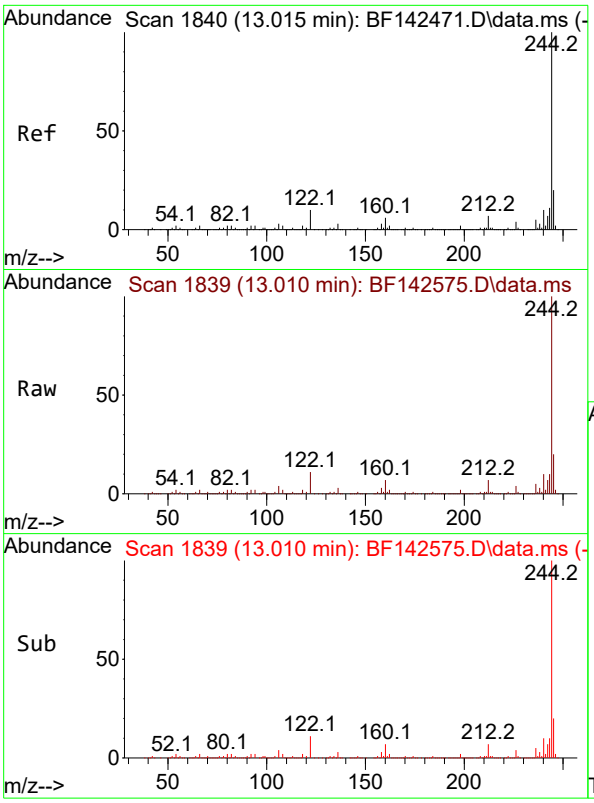


#78
Pyrene
Concen: 42.679 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:202 Resp: 844379

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.1	24.1
203	17.8	13.9	20.9



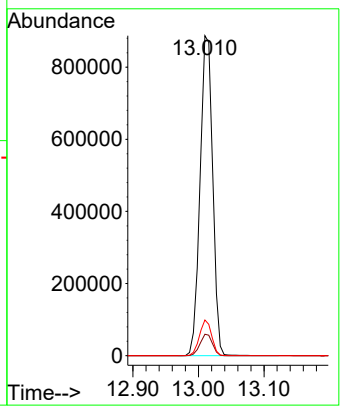


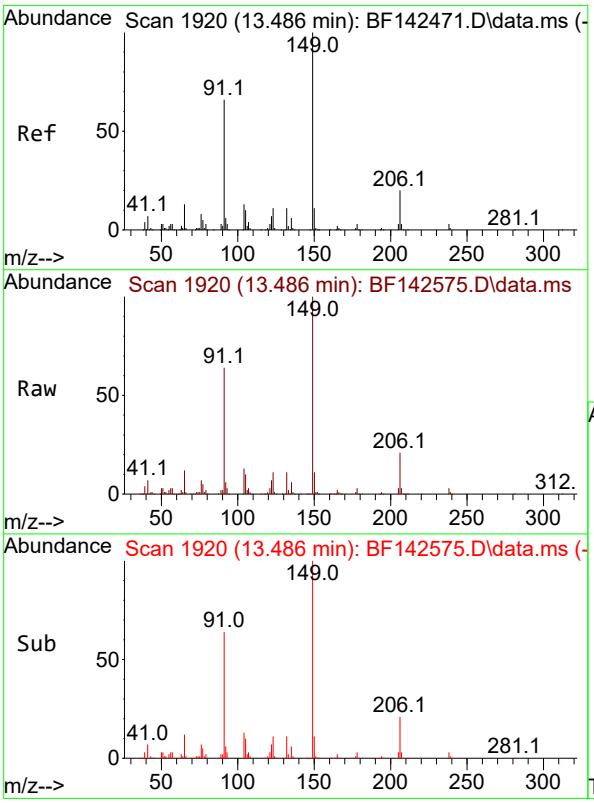
#79
Terphenyl-d14
Concen: 76.873 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:244 Resp: 1193056

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	11.2	8.2	12.2

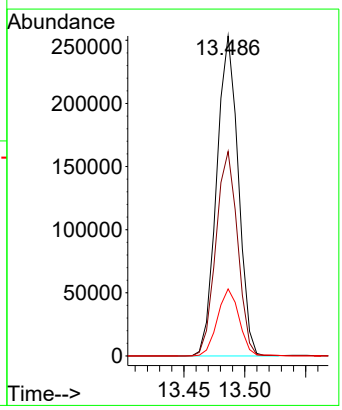


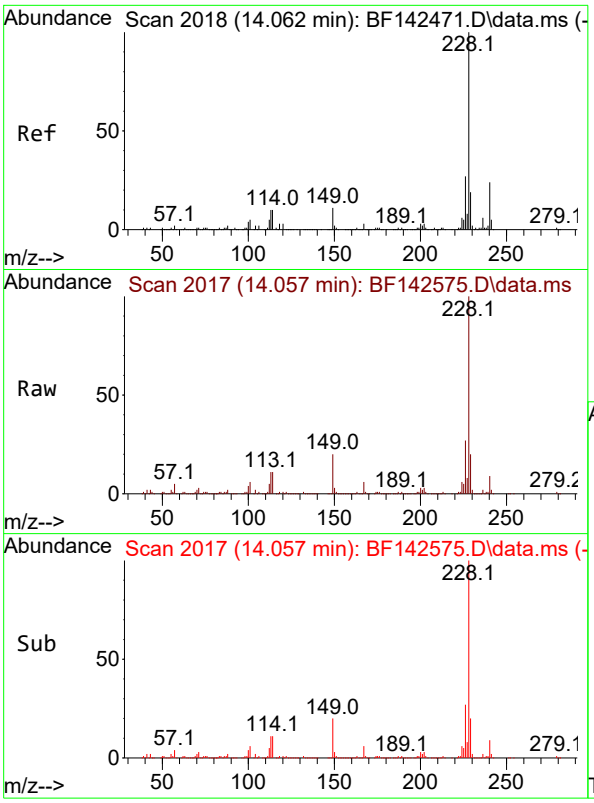


#80
Butylbenzylphthalate
Concen: 57.171 ng
RT: 13.486 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:149 Resp: 312542

Ion	Ratio	Lower	Upper
149	100		
91	63.9	52.9	79.3
206	21.0	16.2	24.2



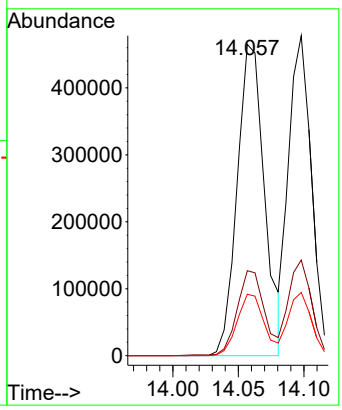


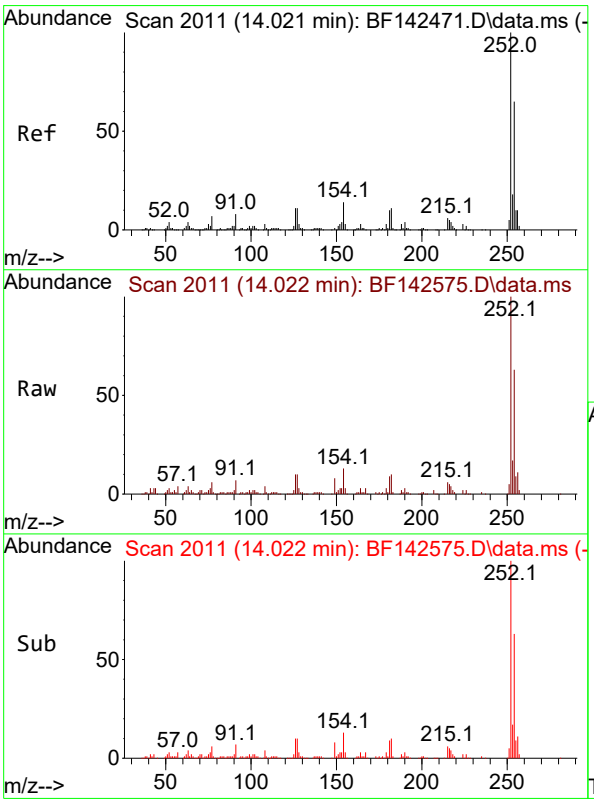
#81
Benzo(a)anthracene
Concen: 47.720 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:228 Resp: 675809

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.2	31.8
229	19.8	15.5	23.3

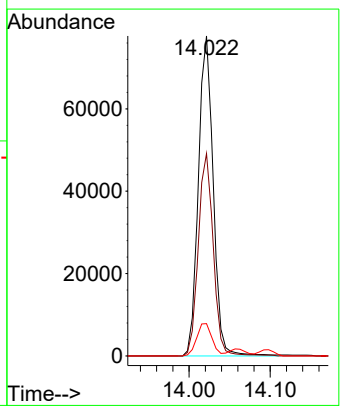


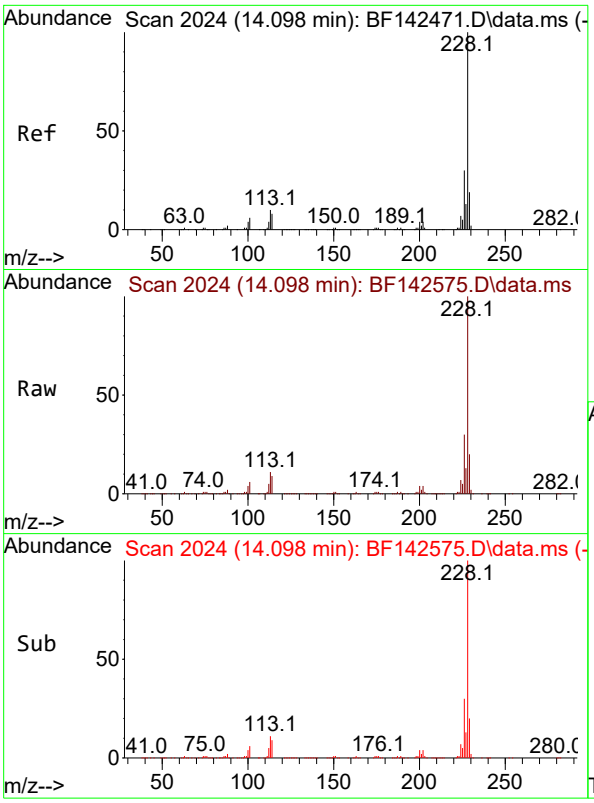


#82
3,3'-Dichlorobenzidine
Concen: 23.025 ng
RT: 14.022 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:252 Resp: 98903

Ion	Ratio	Lower	Upper
252	100		
254	63.3	52.0	78.0
126	10.1	8.9	13.3



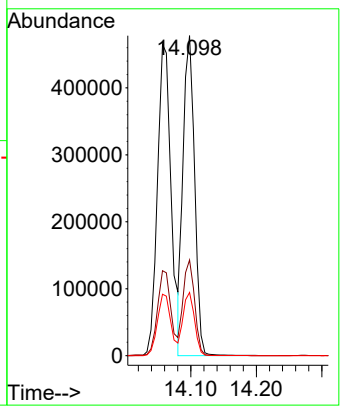


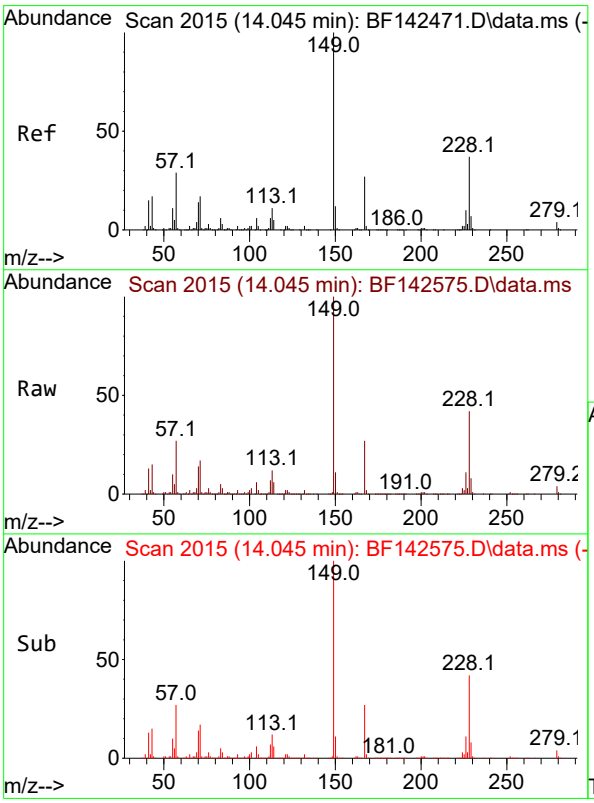
#83
Chrysene
Concen: 45.546 ng
RT: 14.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:228 Resp: 579589

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.6
229	19.7	15.4	23.2

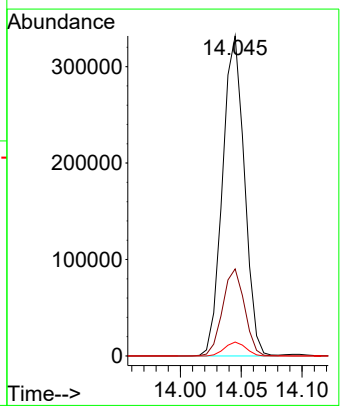


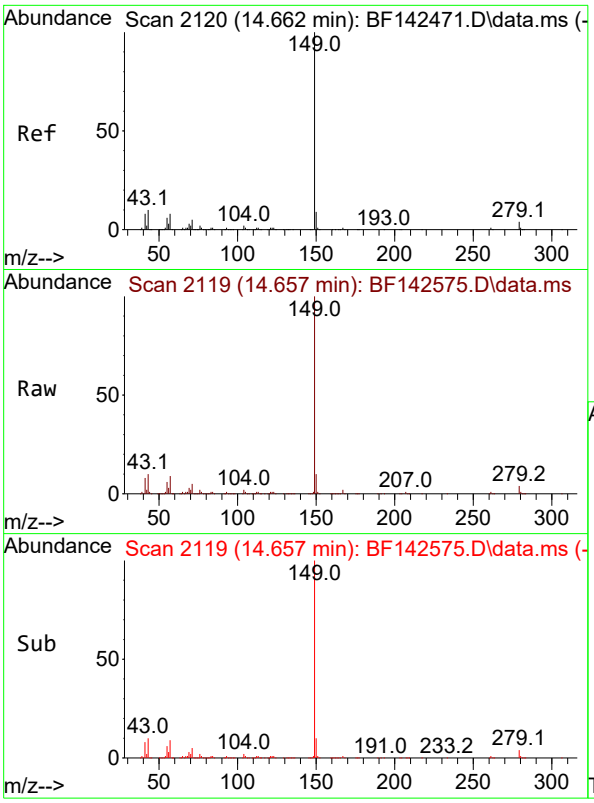


#84
Bis(2-ethylhexyl)phthalate
Concen: 59.313 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:149 Resp: 415089

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.5	32.3
279	4.4	3.2	4.8



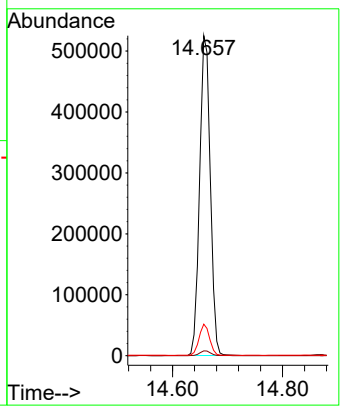


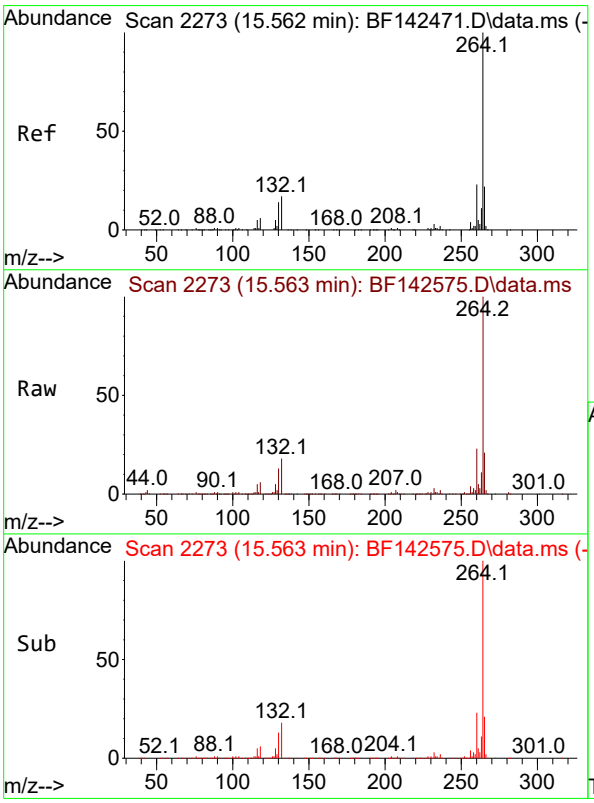
#85
Di-n-octyl phthalate
Concen: 51.700 ng
RT: 14.657 min Scan# 2
Delta R.T. -0.011 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:149 Resp: 707460

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.5	7.9	11.9

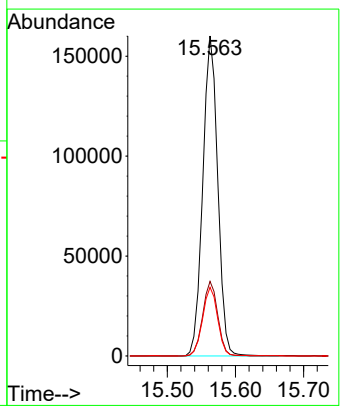


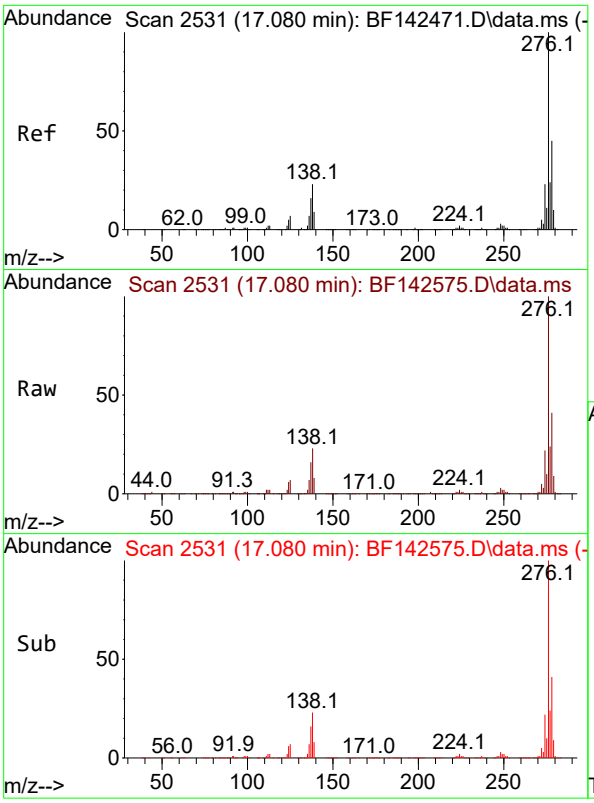


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:264 Resp: 244380

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.5	17.7	26.5



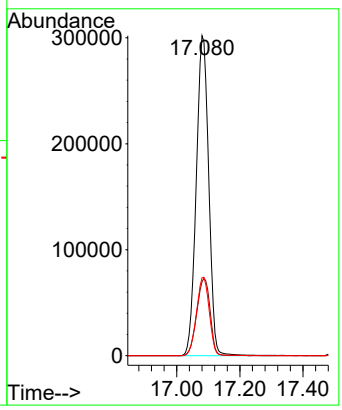


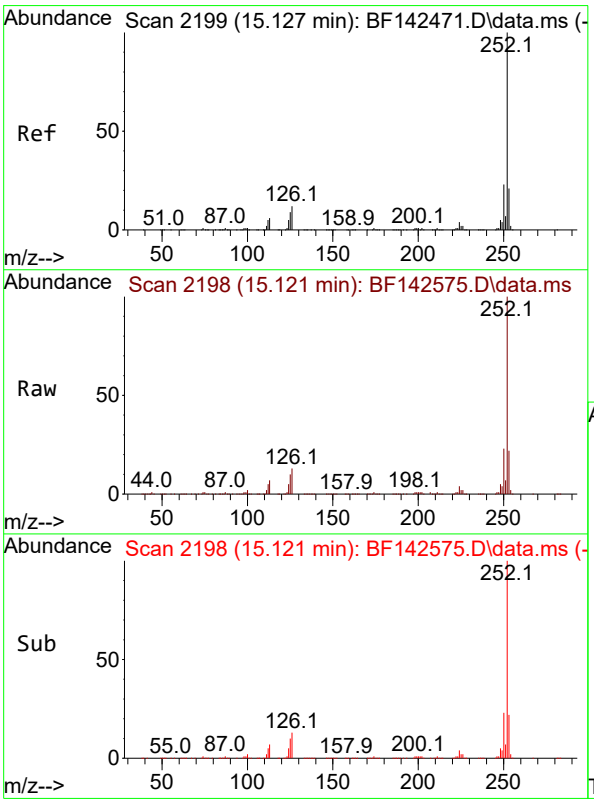
#87
Indeno(1,2,3-cd)pyrene
Concen: 45.121 ng
RT: 17.080 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:276 Resp: 827812

Ion	Ratio	Lower	Upper
276	100		
138	25.7	19.9	29.9
277	25.2	20.2	30.2

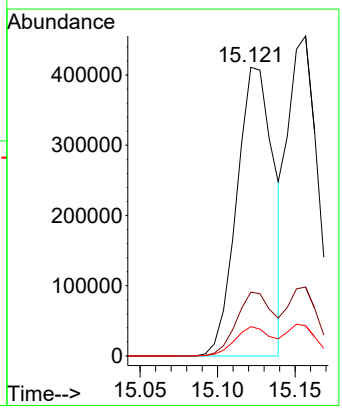


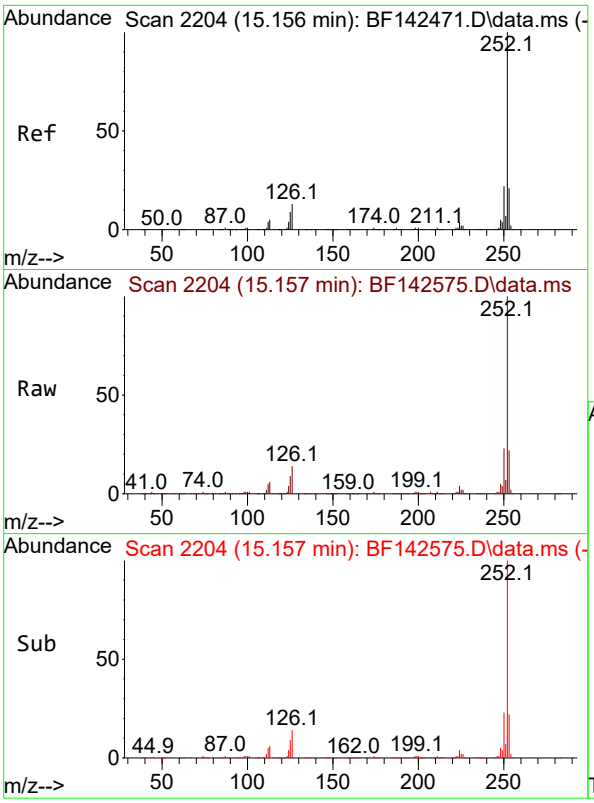


#88
Benzo(b)fluoranthene
Concen: 47.123 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:252 Resp: 681568

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.4
125	10.2	7.4	11.0



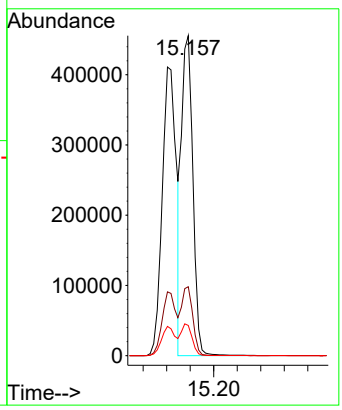


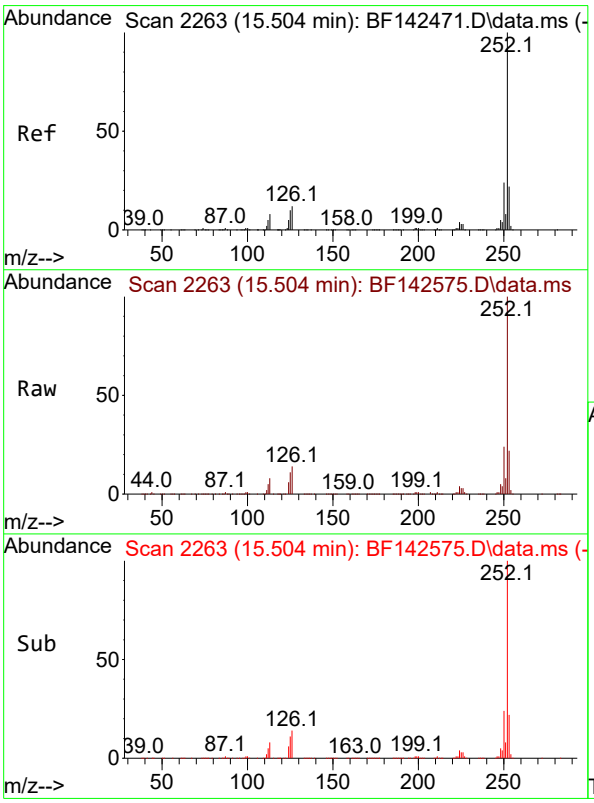
#89
Benzo(k)fluoranthene
Concen: 44.928 ng
RT: 15.157 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:252 Resp: 608621

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.4
125	9.4	7.3	10.9

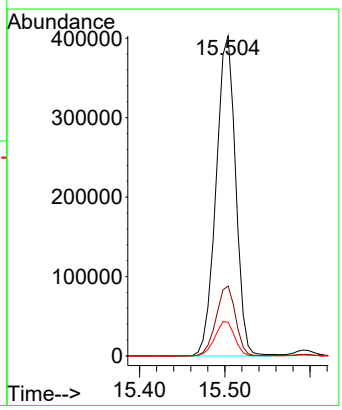


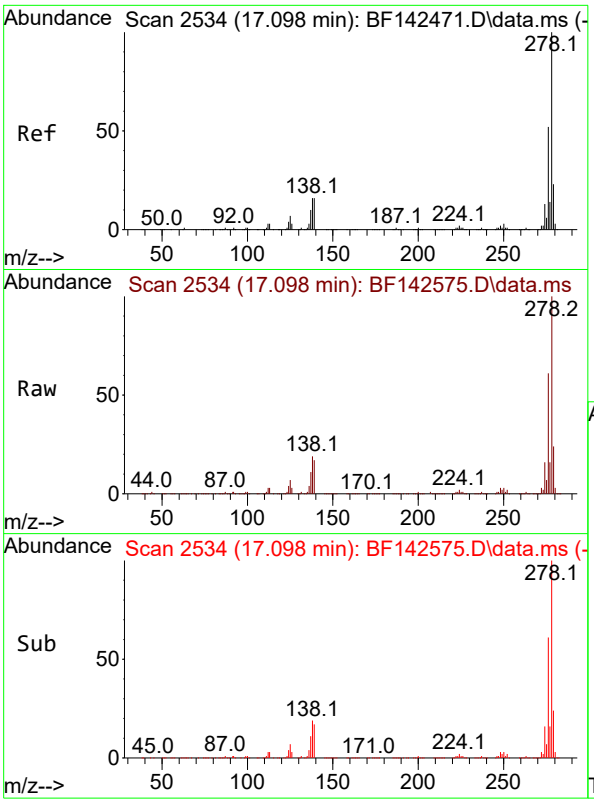


#90
Benzo(a)pyrene
Concen: 47.132 ng
RT: 15.504 min Scan# 2263
Delta R.T. -0.006 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:252 Resp: 642562

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	10.6	7.9	11.9



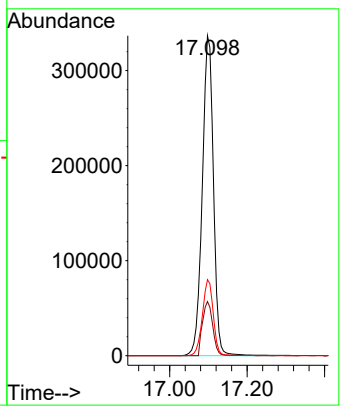


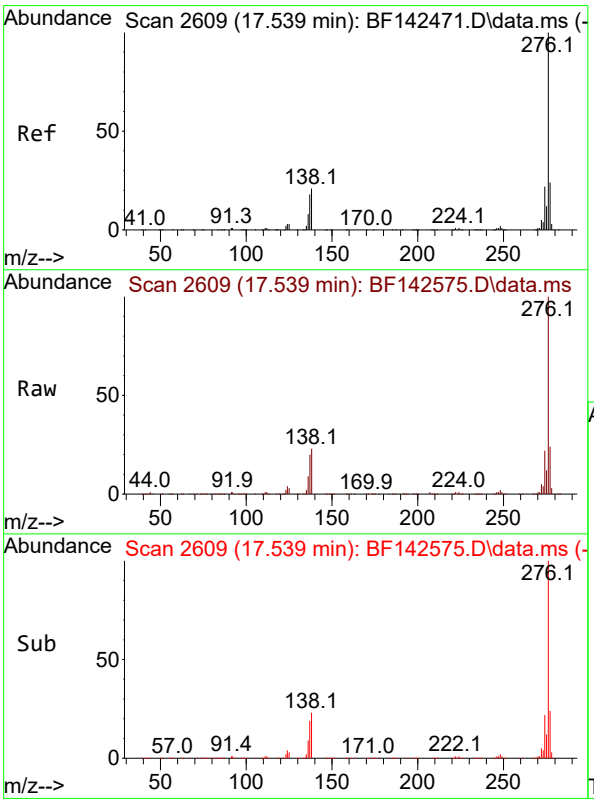
#91
Dibenzo(a,h)anthracene
Concen: 45.296 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MS

Tgt Ion:278 Resp: 674007

Ion	Ratio	Lower	Upper
278	100		
139	16.9	12.8	19.2
279	23.7	18.6	28.0

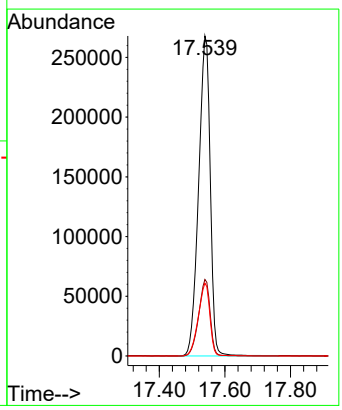




#92
Benzo(g,h,i)perylene
Concen: 44.457 ng
RT: 17.539 min Scan# 2609
Delta R.T. -0.017 min
Lab File: BF142575.D
Acq: 30 May 2025 17:47

Tgt Ion:276 Resp: 661658

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.2	28.8
138	22.8	16.8	25.2



Raw Data: **BF142576.D**

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

Report of Analysis

Client:	Aramark Uniforms	Date Collected:	05/27/25
Project:	Waste Characterization	Date Received:	05/27/25
Client Sample ID:	OR-646-COMP-52MSD	SDG No.:	Q2149
Lab Sample ID:	Q2136-05MSD	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142576.D	1	05/30/25 09:52	05/30/25 18:16	PB168219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	350		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	380		5.30	50.0	ug/L
95-48-7	2-Methylphenol	390		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	380		11.0	100	ug/L
67-72-1	Hexachloroethane	380		6.50	50.0	ug/L
98-95-3	Nitrobenzene	410		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	380		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	420		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	420		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	430		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	430		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	770		15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	106		23 - 138	71%	SPK: 150
13127-88-3	Phenol-d6	99.1		10 - 134	66%	SPK: 150
4165-60-0	Nitrobenzene-d5	73.2		67 - 132	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.4		52 - 132	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	114		44 - 137	76%	SPK: 150
1718-51-0	Terphenyl-d14	71.5		42 - 152	72%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	124000	6.898			
1146-65-2	Naphthalene-d8	471000	8.181			
15067-26-2	Acenaphthene-d10	242000	9.939			
1517-22-2	Phenanthrene-d10	380000	11.427			
1719-03-5	Chrysene-d12	213000	14.068			
1520-96-3	Perylene-d12	245000	15.562			

Raw Data: **BF142576.D**

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

Report of Analysis

Client:	Aramark Uniforms	Date Collected:	05/27/25
Project:	Waste Characterization	Date Received:	05/27/25
Client Sample ID:	OR-646-COMP-52MSD	SDG No.:	Q2149
Lab Sample ID:	Q2136-05MSD	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142576.D	1	05/30/25 09:52	05/30/25 18:16	PB168219

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\BF053025\
Data File : BF142576.D
Acq On : 30 May 2025 18:16
Operator : RC/JU
Sample : Q2136-05MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Quant Time: May 30 18:37:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	124028	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	470508	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	242418	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	379868	20.000	ng	0.00
76) Chrysene-d12	14.068	240	212601	20.000	ng	0.00
86) Perylene-d12	15.562	264	245371	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	783864	106.478	ng	0.02
7) Phenol-d6	6.528	99	878380	99.120	ng	0.00
23) Nitrobenzene-d5	7.463	82	631221	73.154	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	305720	113.628	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1289525	71.379	ng	-0.01
79) Terphenyl-d14	13.010	244	1112720	71.523	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.851	88	99841	33.892	ng	# 82
3) Pyridine	3.563	79	261418	34.847	ng	99
4) n-Nitrosodimethylamine	3.504	42	150163	38.552	ng	95
6) Aniline	6.563	93	205443	17.242	ng	99
8) 2-Chlorophenol	6.687	128	319927	39.898	ng	100
9) Benzaldehyde	6.451	77	100550	18.865	ng	99
10) Phenol	6.539	94	324542	32.547	ng	98
11) bis(2-Chloroethyl)ether	6.634	93	299436	41.717	ng	98
12) 1,3-Dichlorobenzene	6.839	146	327700	36.625	ng	99
13) 1,4-Dichlorobenzene	6.916	146	338090	37.512	ng	99
14) 1,2-Dichlorobenzene	7.069	146	328605	38.102	ng	99
15) Benzyl Alcohol	7.039	79	258220	39.430	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.175	45	465978	38.658	ng	98
17) 2-Methylphenol	7.151	107	244424	39.042	ng	100
18) Hexachloroethane	7.410	117	118055	37.511	ng	98
19) n-Nitroso-di-n-propyla...	7.310	70	211990	38.599	ng	99
20) 3+4-Methylphenols	7.304	107	302768	37.766	ng	95
22) Acetophenone	7.310	105	418924	40.221	ng	99
24) Nitrobenzene	7.481	77	316315	40.646	ng	99
25) Isophorone	7.722	82	568738	39.423	ng	98
26) 2-Nitrophenol	7.798	139	175413	42.184	ng	96
27) 2,4-Dimethylphenol	7.833	122	292423	39.876	ng	99
28) bis(2-Chloroethoxy)met...	7.928	93	362869	40.266	ng	99
29) 2,4-Dichlorophenol	8.039	162	275009	41.237	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	290494	40.136	ng	98
31) Naphthalene	8.204	128	939685	40.560	ng	100
32) Benzoic acid	7.928	122	106805	23.926	ng	98
33) 4-Chloroaniline	8.251	127	97494	10.385	ng	97
34) Hexachlorobutadiene	8.322	225	173533	38.399	ng	98
35) Caprolactam	8.616	113	64079m	34.211	ng	
36) 4-Chloro-3-methylphenol	8.733	107	268141	39.233	ng	97
37) 2-Methylnaphthalene	8.892	142	577789	39.642	ng	99
38) 1-Methylnaphthalene	8.992	142	593914	39.394	ng	100
40) 1,2,4,5-Tetrachloroben...	9.063	216	296147	42.557	ng	99
41) Hexachlorocyclopentadiene	9.045	237	338363	72.079	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	196799	41.940	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142576.D
Acq On : 30 May 2025 18:16
Operator : RC/JU
Sample : Q2136-05MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Quant Time: May 30 18:37:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

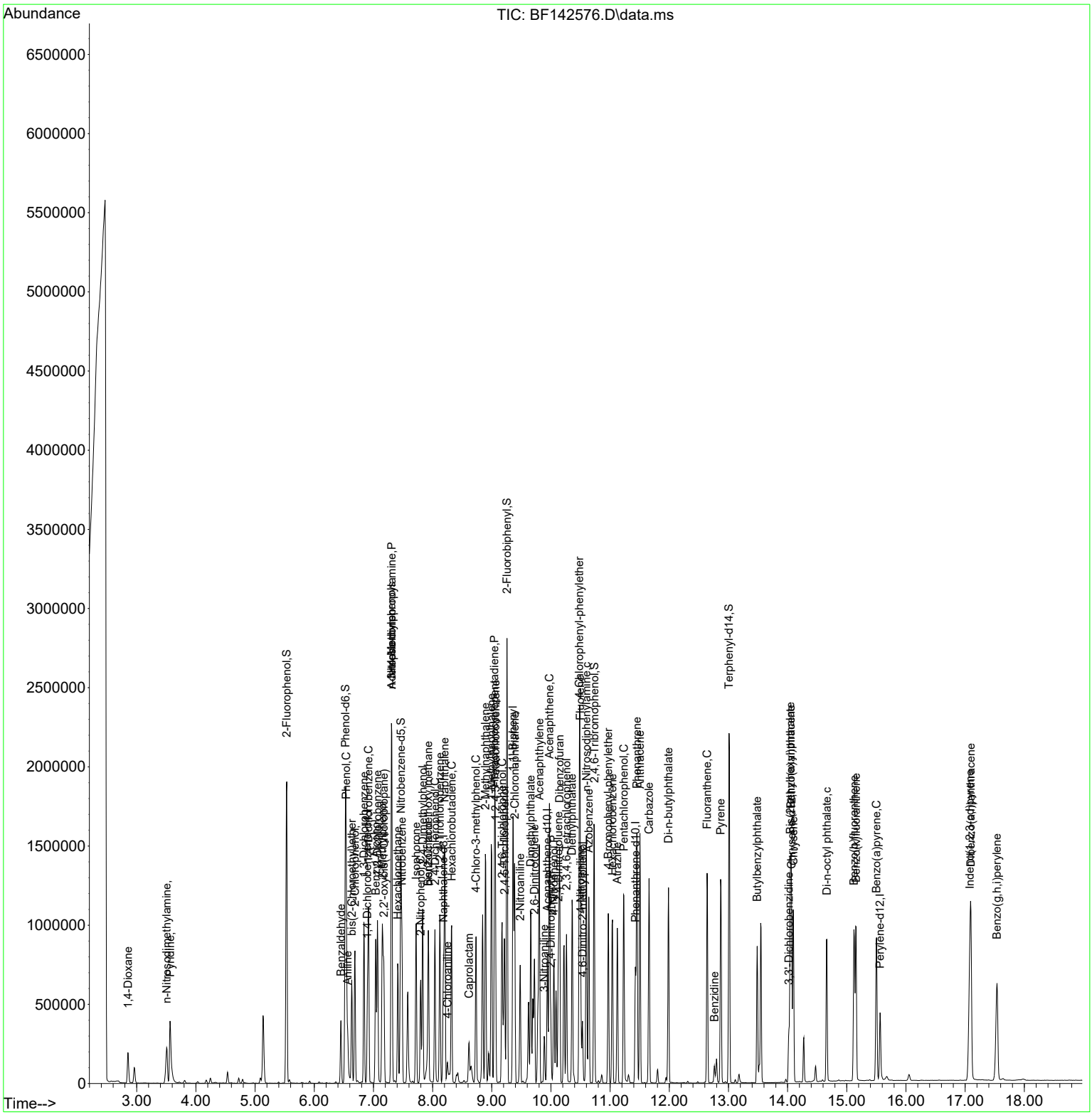
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	205422	41.509	ng	97
46) 1,1'-Biphenyl	9.357	154	779832	41.464	ng	99
47) 2-Chloronaphthalene	9.386	162	588430	42.347	ng	99
48) 2-Nitroaniline	9.480	65	170224	42.382	ng	97
49) Acenaphthylene	9.804	152	959073	40.875	ng	100
50) Dimethylphthalate	9.657	163	673733	42.120	ng	100
51) 2,6-Dinitrotoluene	9.722	165	147716	42.787	ng	97
52) Acenaphthene	9.975	154	608380	42.463	ng	98
53) 3-Nitroaniline	9.886	138	70778	18.770	ng	100
54) 2,4-Dinitrophenol	9.998	184	89612	50.242	ng	93
55) Dibenzofuran	10.145	168	847125	41.088	ng	98
56) 4-Nitrophenol	10.051	139	197474	70.976	ng	97
57) 2,4-Dinitrotoluene	10.127	165	193552	42.929	ng	100
58) Fluorene	10.492	166	644596	40.469	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	169747	41.087	ng	98
60) Diethylphthalate	10.357	149	638554	40.875	ng	100
61) 4-Chlorophenyl-phenyle...	10.480	204	314156	40.150	ng	97
62) 4-Nitroaniline	10.504	138	135831	39.718	ng	97
63) Azobenzene	10.639	77	567396	40.437	ng	99
65) 4,6-Dinitro-2-methylph...	10.533	198	72905	34.390	ng	99
66) n-Nitrosodiphenylamine	10.598	169	571003	43.937	ng	100
67) 4-Bromophenyl-phenylether	10.969	248	197022	43.864	ng	98
68) Hexachlorobenzene	11.039	284	211910	42.656	ng	98
69) Atrazine	11.122	200	166142	48.138	ng	99
70) Pentachlorophenol	11.233	266	214707	76.550	ng	99
71) Phenanthrene	11.451	178	863437	42.532	ng	100
72) Anthracene	11.504	178	870310	42.006	ng	100
73) Carbazole	11.657	167	753408	42.536	ng	100
74) Di-n-butylphthalate	11.986	149	886880	45.744	ng	100
75) Fluoranthene	12.639	202	787754	41.528	ng	98
77) Benzidine	12.763	184	71899	9.088	ng	98
78) Pyrene	12.868	202	781676	39.414	ng	100
80) Butylbenzylphthalate	13.486	149	286040	52.196	ng	98
81) Benzo(a)anthracene	14.057	228	631985	44.517	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	97190	22.571	ng	98
83) Chrysene	14.098	228	532085	41.711	ng	100
84) Bis(2-ethylhexyl)phtha...	14.045	149	386398	55.079	ng	99
85) Di-n-octyl phthalate	14.662	149	649611	47.358	ng	99
87) Indeno(1,2,3-cd)pyrene	17.080	276	747984	40.605	ng	99
88) Benzo(b)fluoranthene	15.121	252	633407	43.616	ng	98
89) Benzo(k)fluoranthene	15.157	252	556087	40.884	ng	99
90) Benzo(a)pyrene	15.504	252	591575	43.217	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	607103	40.635	ng	99
92) Benzo(g,h,i)perylene	17.539	276	593272	39.701	ng	98

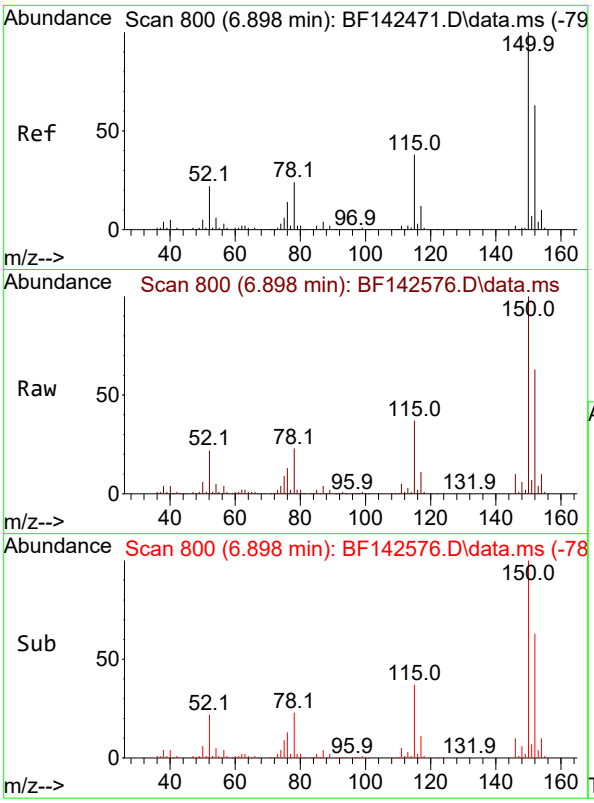
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142576.D
Acq On : 30 May 2025 18:16
Operator : RC/JU
Sample : Q2136-05MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Quant Time: May 30 18:37:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



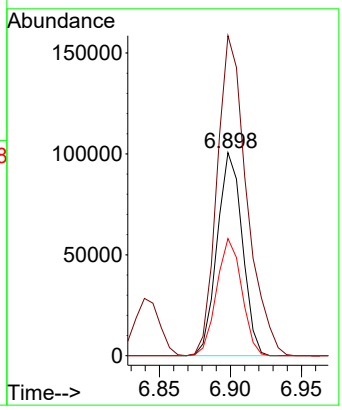


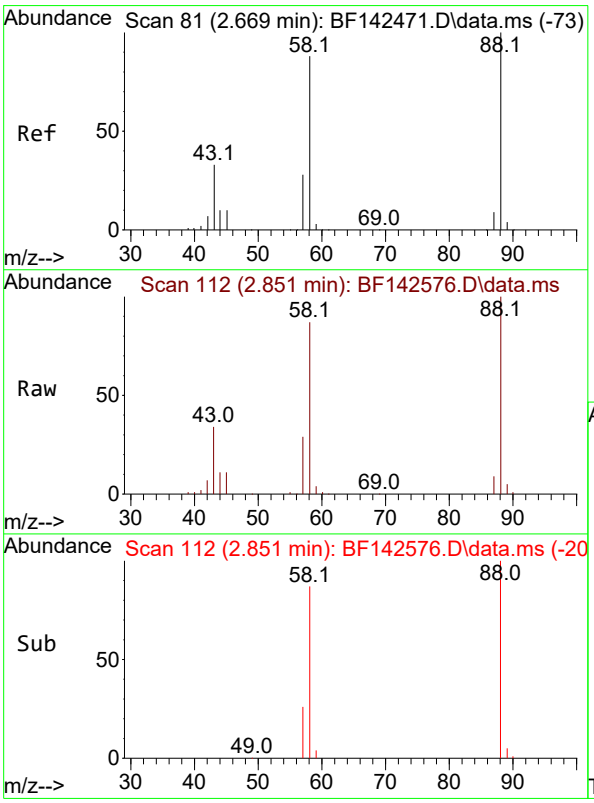
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:152 Resp: 124028

Ion	Ratio	Lower	Upper
152	100		
150	157.6	128.2	192.4
115	57.7	48.3	72.5

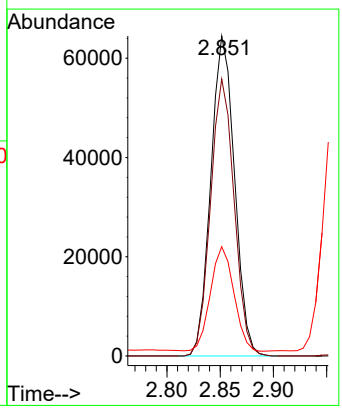


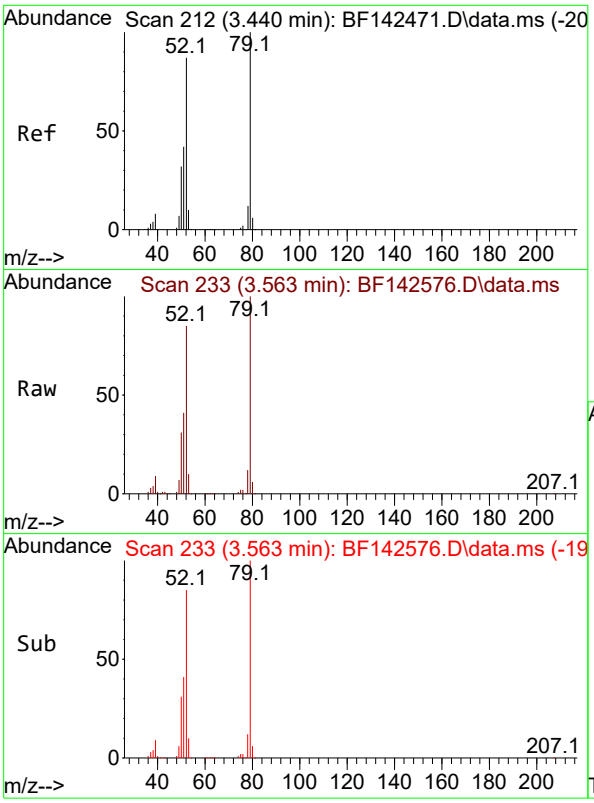


#2
1,4-Dioxane
Concen: 33.892 ng
RT: 2.851 min Scan# 112
Delta R.T. 0.188 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion: 88 Resp: 99841

Ion	Ratio	Lower	Upper
88	100		
58	86.1	70.8	106.2
43	0.0	26.6	40.0#



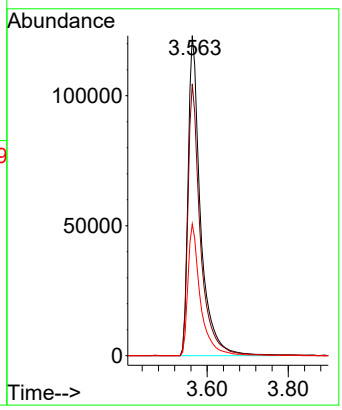


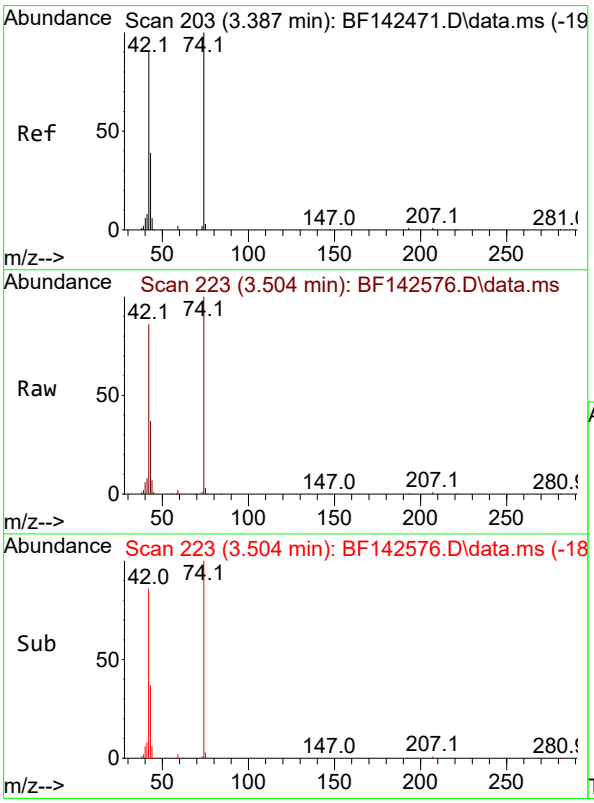
#3
Pyridine
Concen: 34.847 ng
RT: 3.563 min Scan# 2
Delta R.T. 0.124 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion: 79 Resp: 261418

Ion	Ratio	Lower	Upper
79	100		
52	85.0	69.2	103.8
51	41.2	33.3	49.9

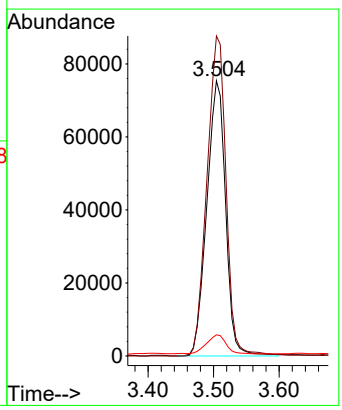


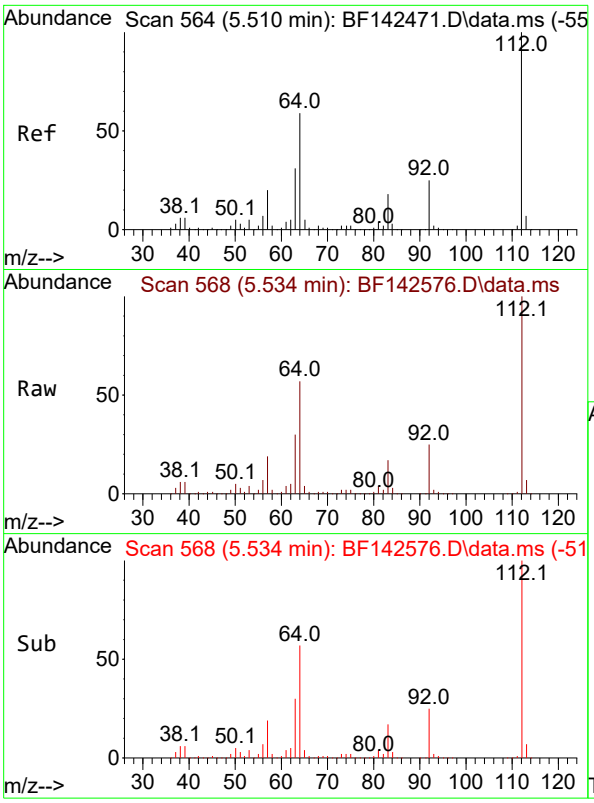


#4
n-Nitrosodimethylamine
Concen: 38.552 ng
RT: 3.504 min Scan# 223
Delta R.T. 0.100 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion: 42 Resp: 150163

Ion	Ratio	Lower	Upper
42	100		
74	116.2	88.2	132.4
44	7.7	5.4	8.2



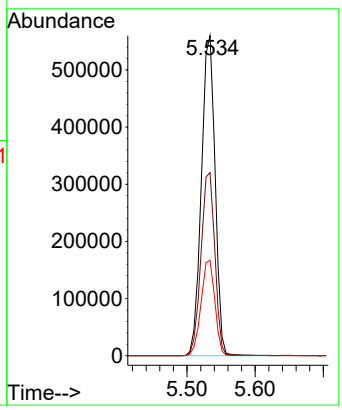


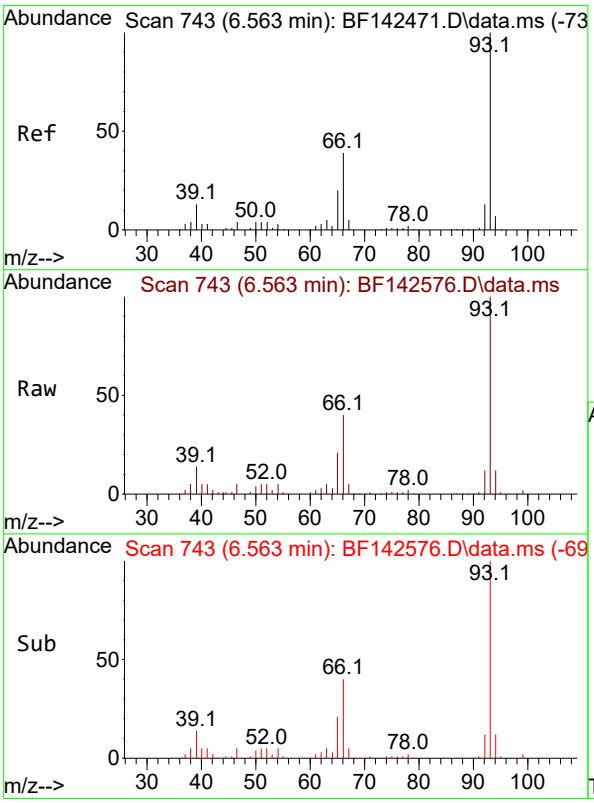
#5
2-Fluorophenol
Concen: 106.478 ng
RT: 5.534 min Scan# 5
Delta R.T. 0.018 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:112 Resp: 783864

Ion	Ratio	Lower	Upper
112	100		
64	57.2	47.5	71.3
63	29.9	24.9	37.3

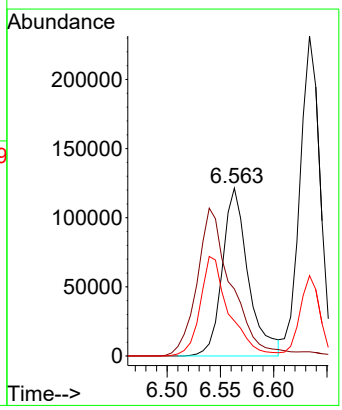


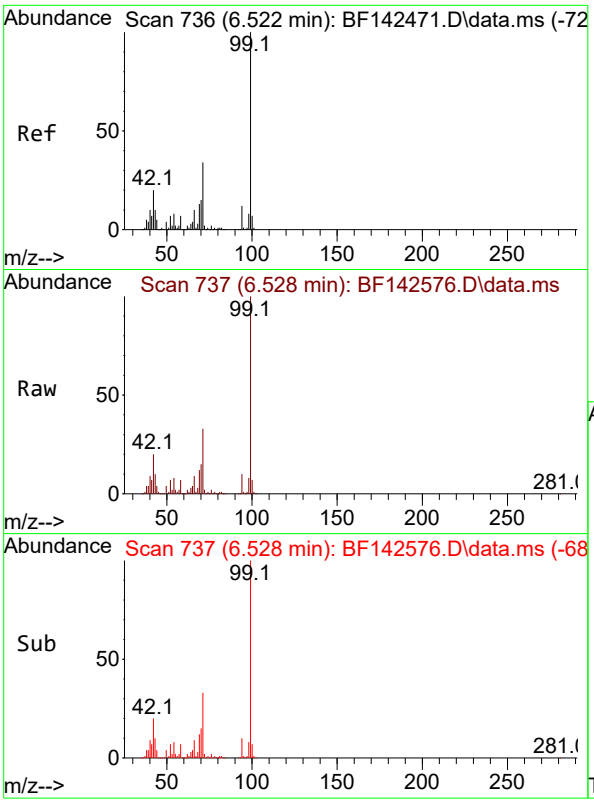


#6
Aniline
Concen: 17.242 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion: 93 Resp: 205443

Ion	Ratio	Lower	Upper
93	100		
66	40.0	32.0	48.0
65	20.9	16.1	24.1



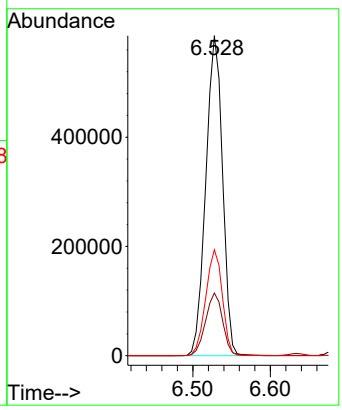


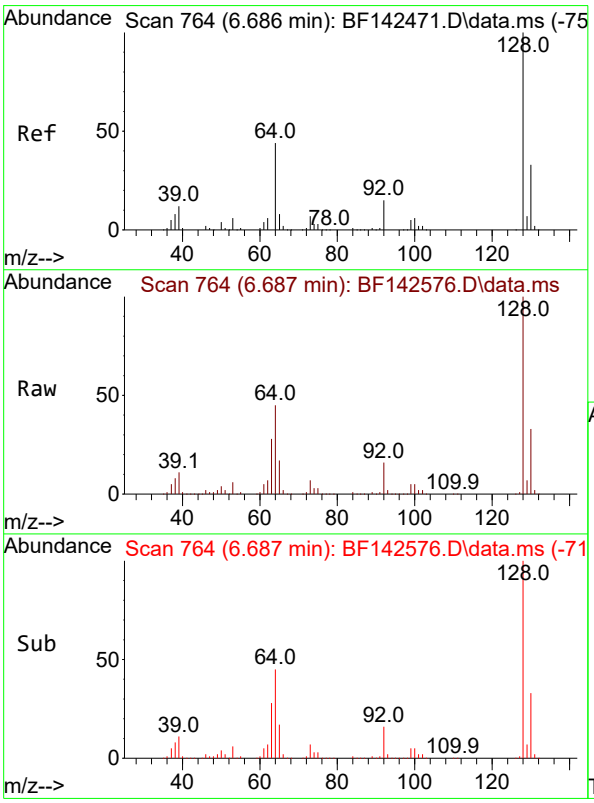
#7
Phenol-d6
Concen: 99.120 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion: 99 Resp: 878380

Ion	Ratio	Lower	Upper
99	100		
42	19.6	16.2	24.2
71	33.1	27.3	40.9

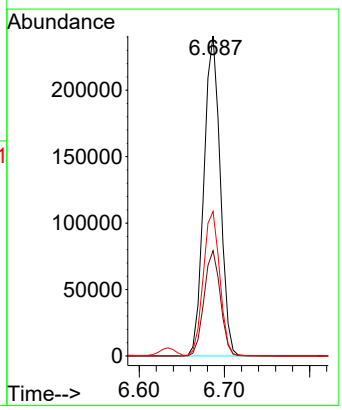


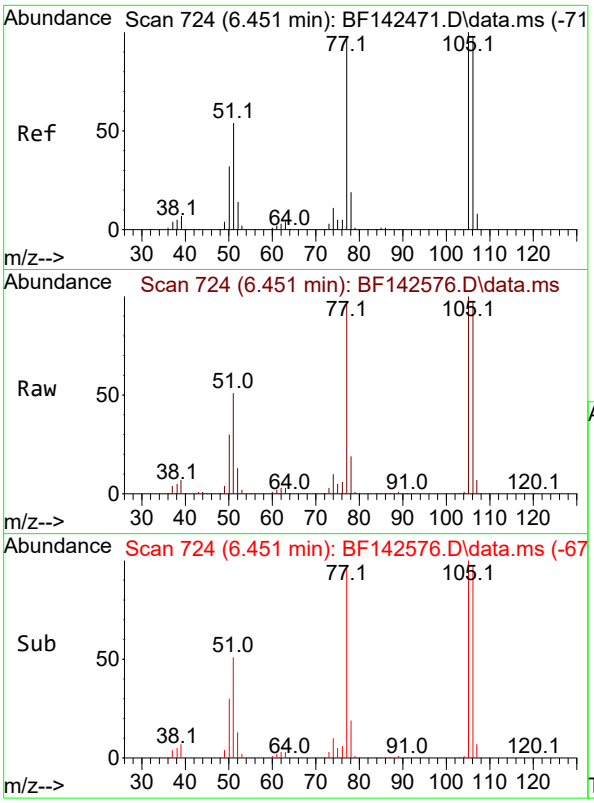


#8
2-Chlorophenol
Concen: 39.898 ng
RT: 6.687 min Scan# 764
Delta R.T. 0.000 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:128 Resp: 319927

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.6	52.6
64	45.1	25.1	65.1



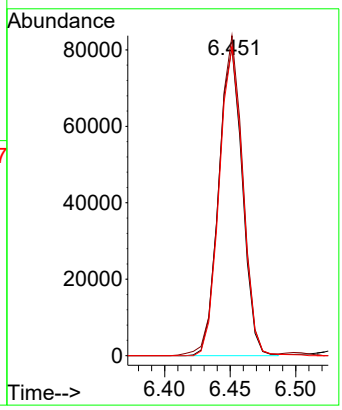


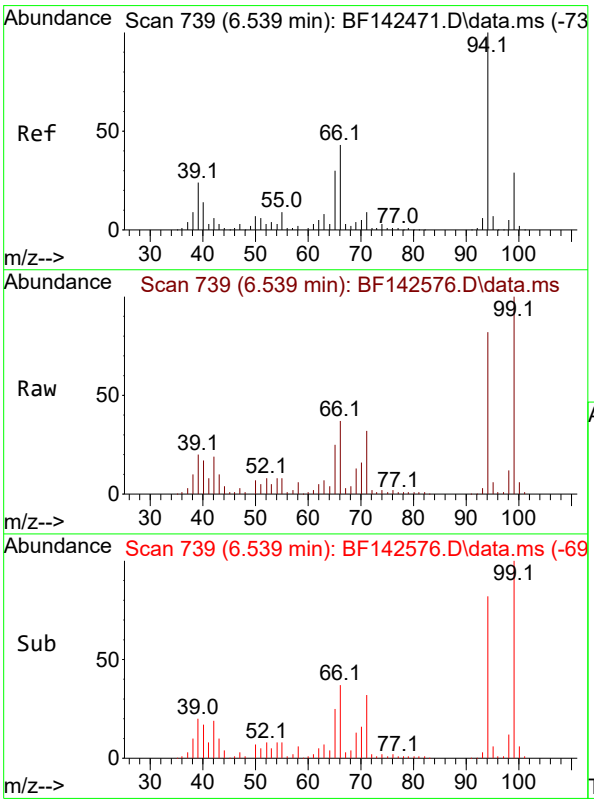
#9
Benzaldehyde
Concen: 18.865 ng
RT: 6.451 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion: 77 Resp: 100550

Ion	Ratio	Lower	Upper
77	100		
105	103.9	82.5	122.5
106	100.3	80.0	120.0

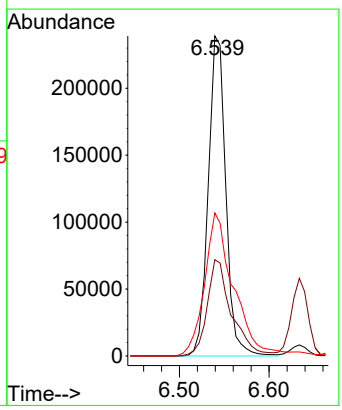


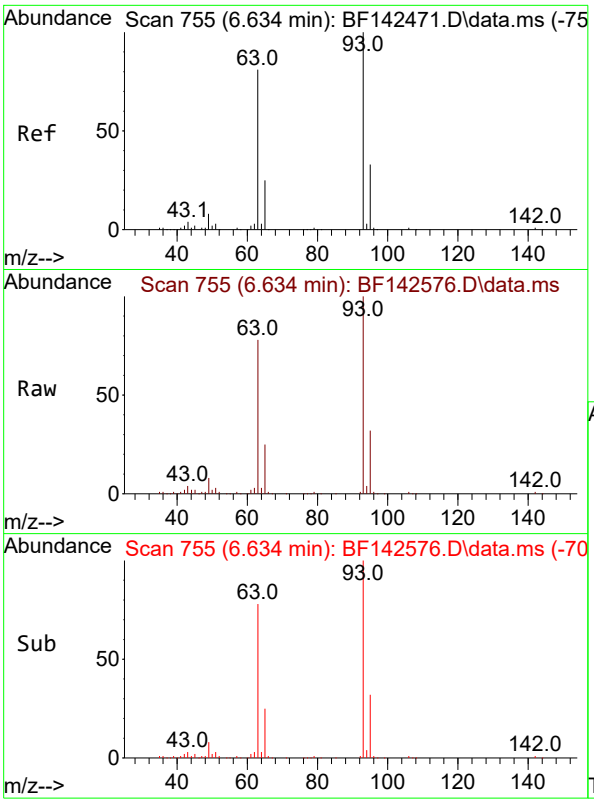


#10
Phenol
Concen: 32.547 ng
RT: 6.539 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion: 94 Resp: 324542

Ion	Ratio	Lower	Upper
94	100		
65	30.1	10.3	50.3
66	44.7	22.6	62.6



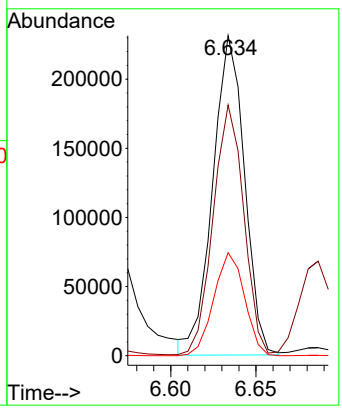


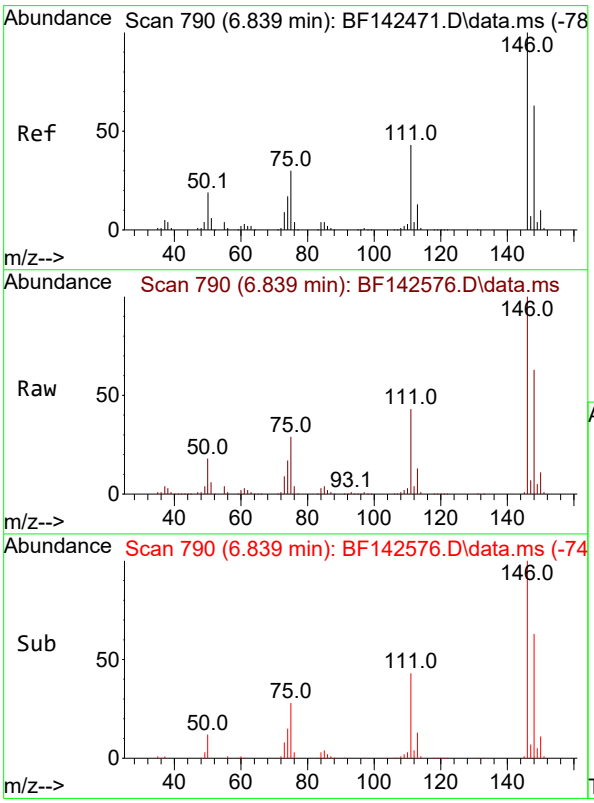
#11
bis(2-Chloroethyl)ether
Concen: 41.717 ng
RT: 6.634 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion: 93 Resp: 299436

Ion	Ratio	Lower	Upper
93	100		
63	78.4	60.2	100.2
95	32.2	12.3	52.3

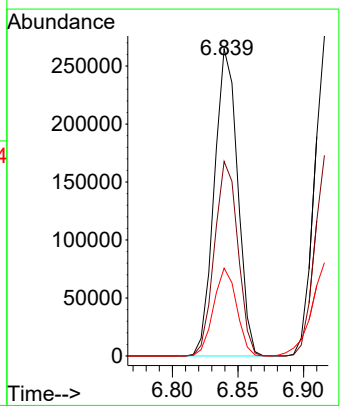


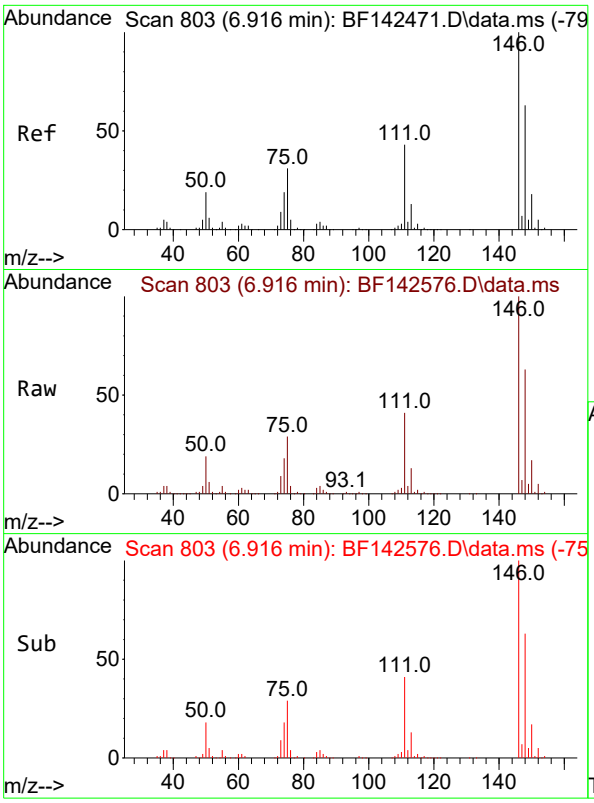


#12
1,3-Dichlorobenzene
Concen: 36.625 ng
RT: 6.839 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:146 Resp: 327700

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.6	75.8
75	28.6	23.8	35.6



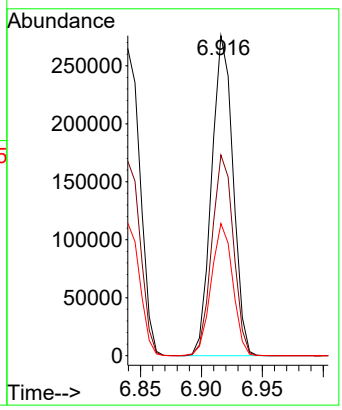


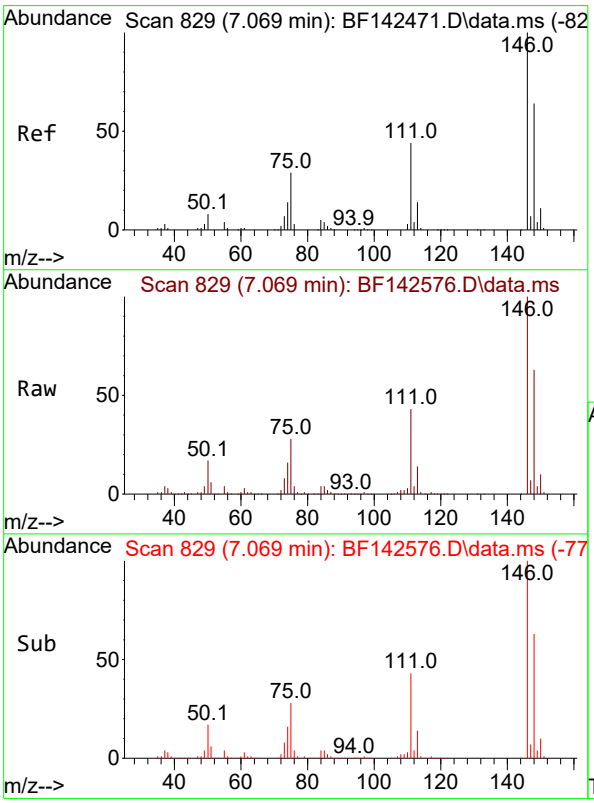
#13
1,4-Dichlorobenzene
Concen: 37.512 ng
RT: 6.916 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:146 Resp: 338090

Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.4	75.6
111	41.3	34.1	51.1

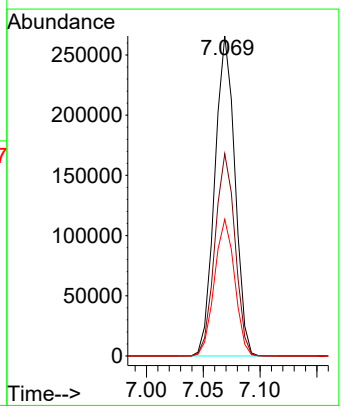


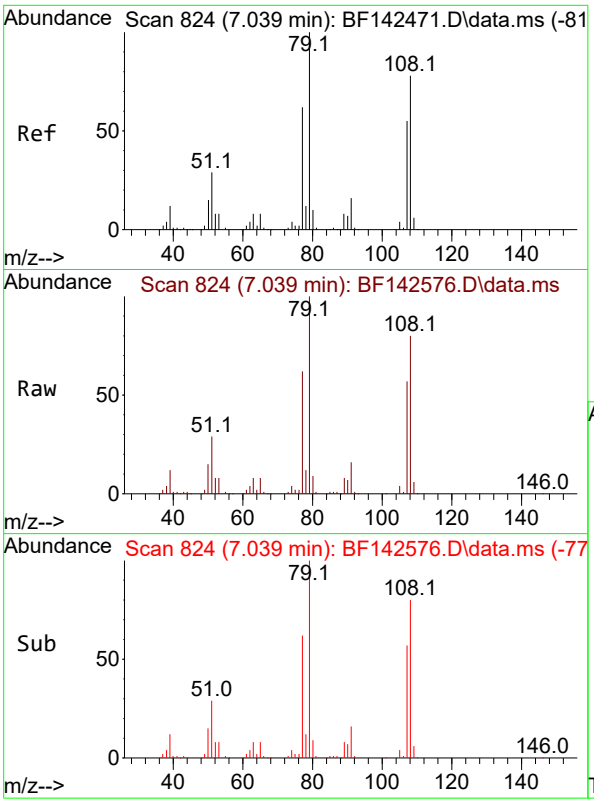


#14
1,2-Dichlorobenzene
Concen: 38.102 ng
RT: 7.069 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:146 Resp: 328605

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.0	76.4
111	42.7	35.0	52.6



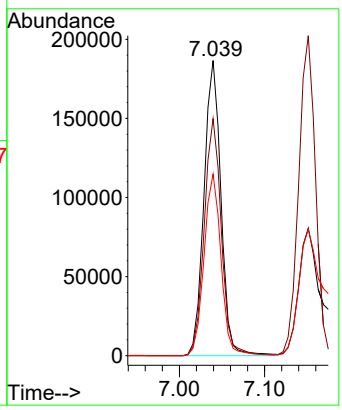


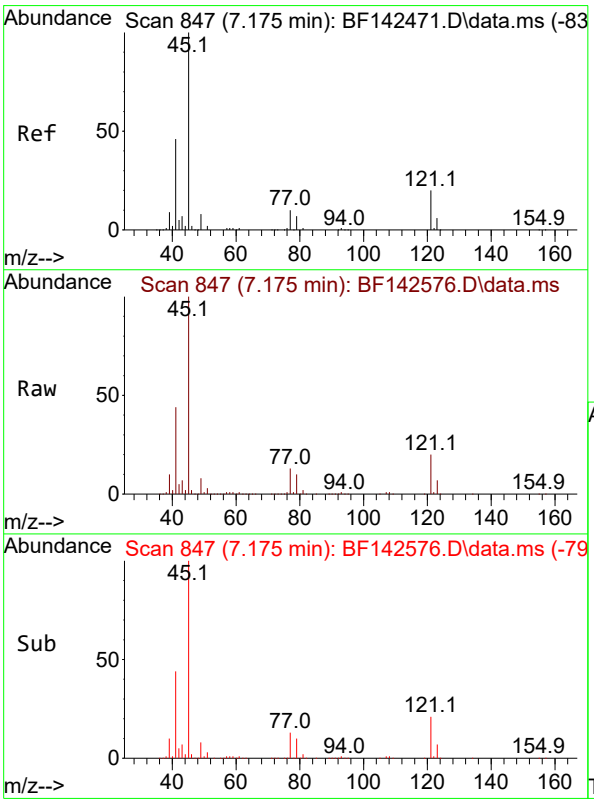
#15
Benzyl Alcohol
Concen: 39.430 ng
RT: 7.039 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion: 79 Resp: 258220

Ion	Ratio	Lower	Upper
79	100		
108	80.2	62.1	93.1
77	61.5	49.5	74.3

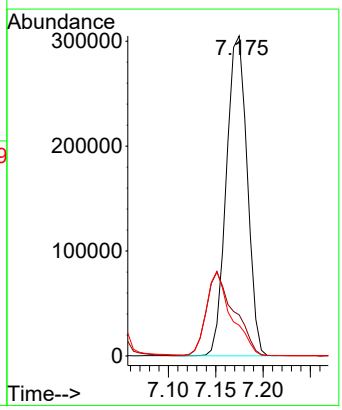


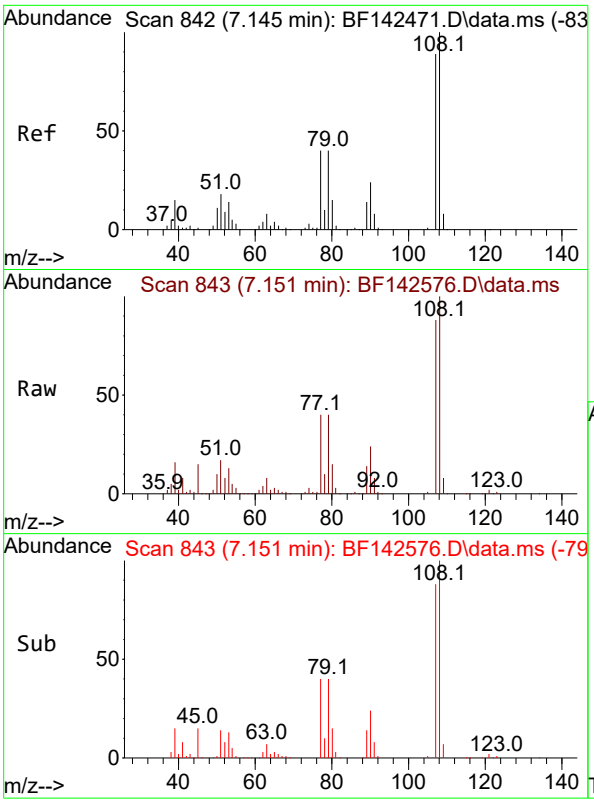


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.658 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion: 45 Resp: 465978

Ion	Ratio	Lower	Upper
45	100		
77	12.9	0.0	32.0
79	9.6	0.0	29.2



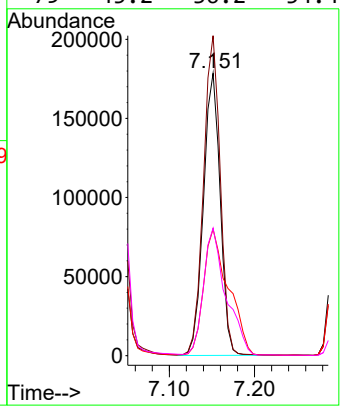


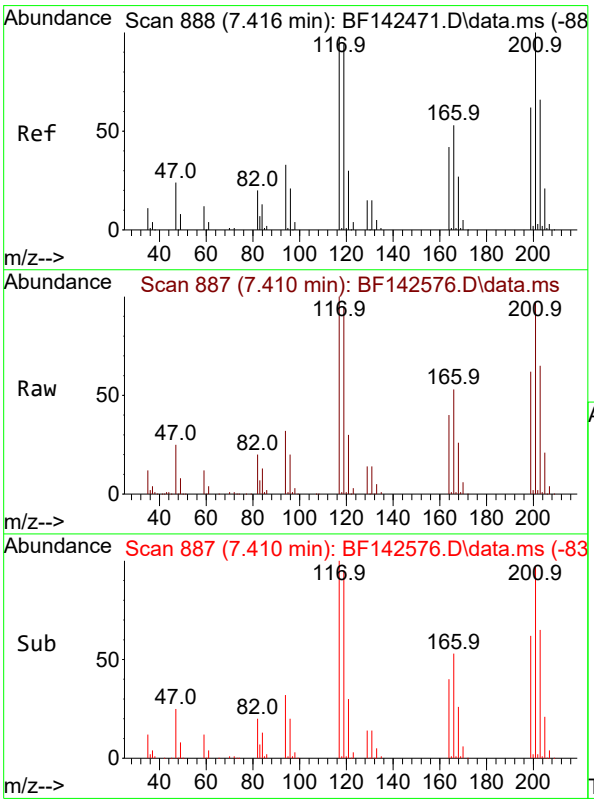
#17
2-Methylphenol
Concen: 39.042 ng
RT: 7.151 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:107 Resp: 244424

Ion	Ratio	Lower	Upper
107	100		
108	113.3	90.2	135.2
77	44.9	36.1	54.1
79	45.2	36.2	54.4

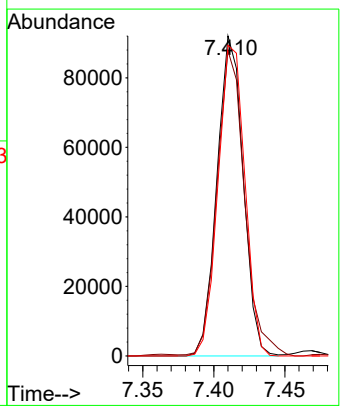


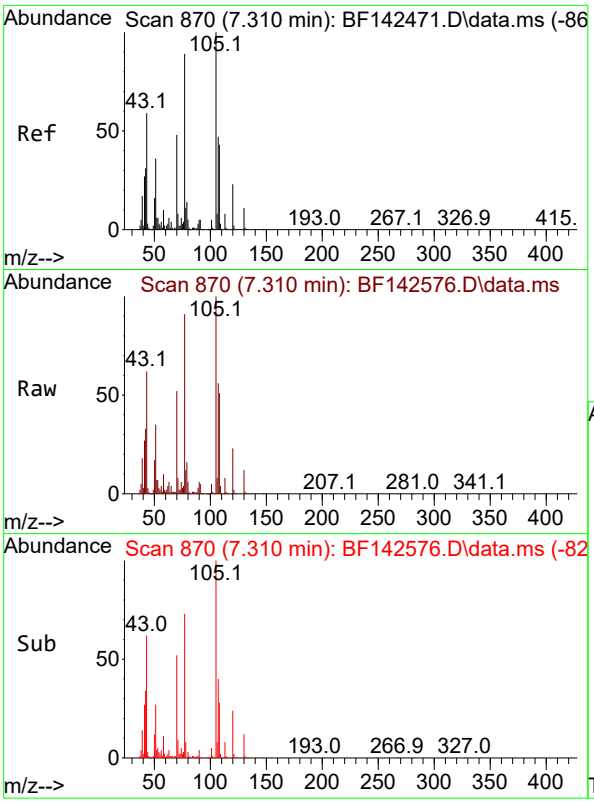


#18
Hexachloroethane
Concen: 37.511 ng
RT: 7.410 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:117 Resp: 118055

Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.6	114.8
201	97.1	81.3	121.9



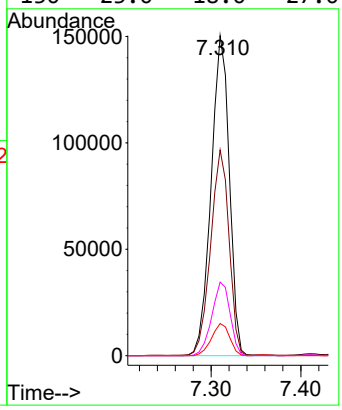


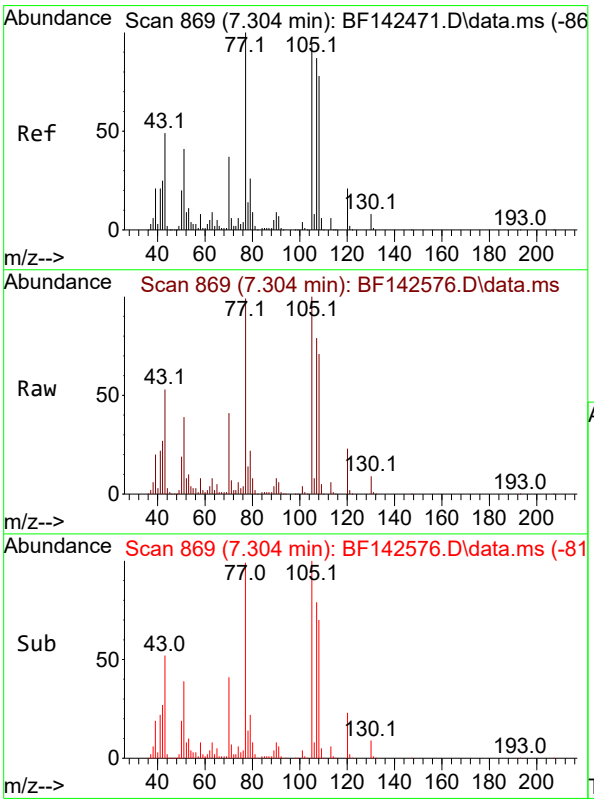
#19
n-Nitroso-di-n-propylamine
Concen: 38.599 ng
RT: 7.310 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion: 70 Resp: 211990

Ion	Ratio	Lower	Upper
70	100		
42	64.3	52.4	78.6
101	10.0	7.8	11.8
130	23.0	18.0	27.0

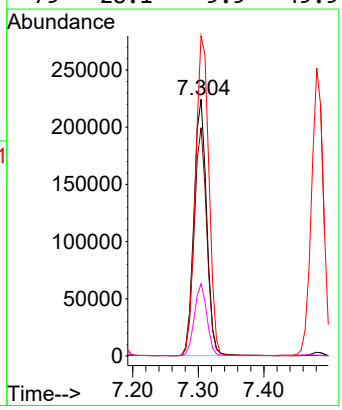


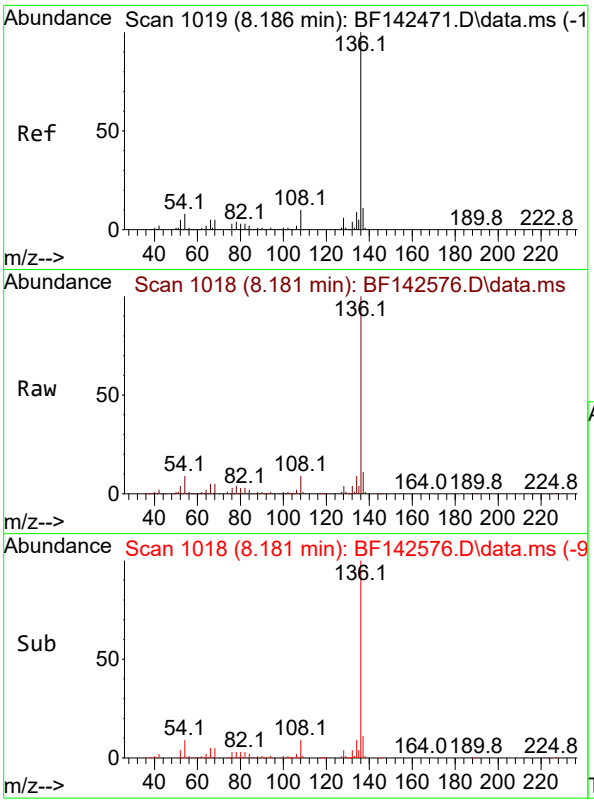


#20
3+4-Methylphenols
Concen: 37.766 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:107 Resp: 302768

Ion	Ratio	Lower	Upper
107	100		
108	89.0	70.4	110.4
77	124.7	95.4	135.4
79	28.1	9.9	49.9



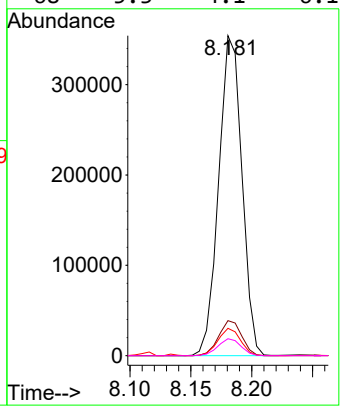


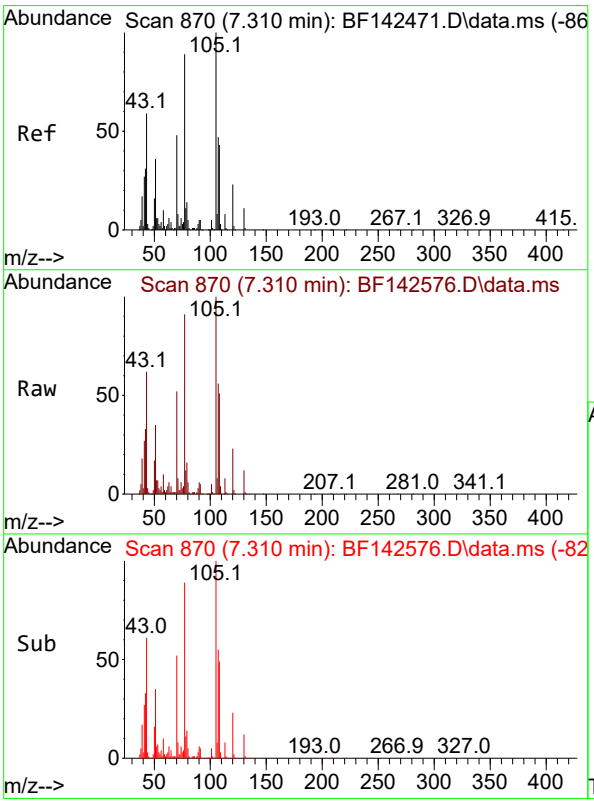
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:136 Resp: 470508

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.6	6.6	10.0
68	5.3	4.1	6.1

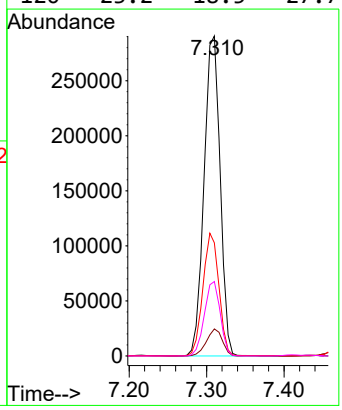


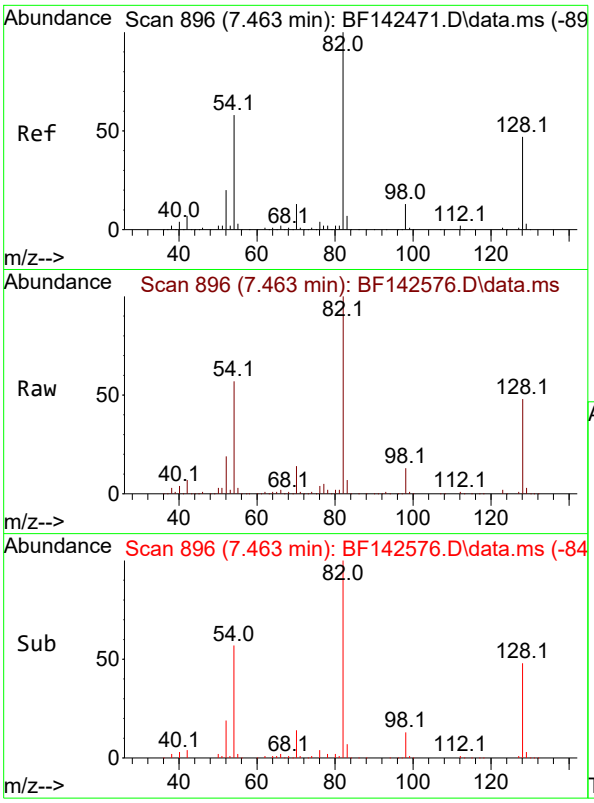


#22
Acetophenone
Concen: 40.221 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:105 Resp: 418924

Ion	Ratio	Lower	Upper
105	100		
71	8.5	6.4	9.6
51	35.4	28.6	42.8
120	23.2	18.5	27.7



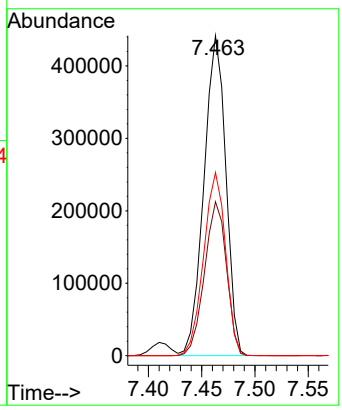


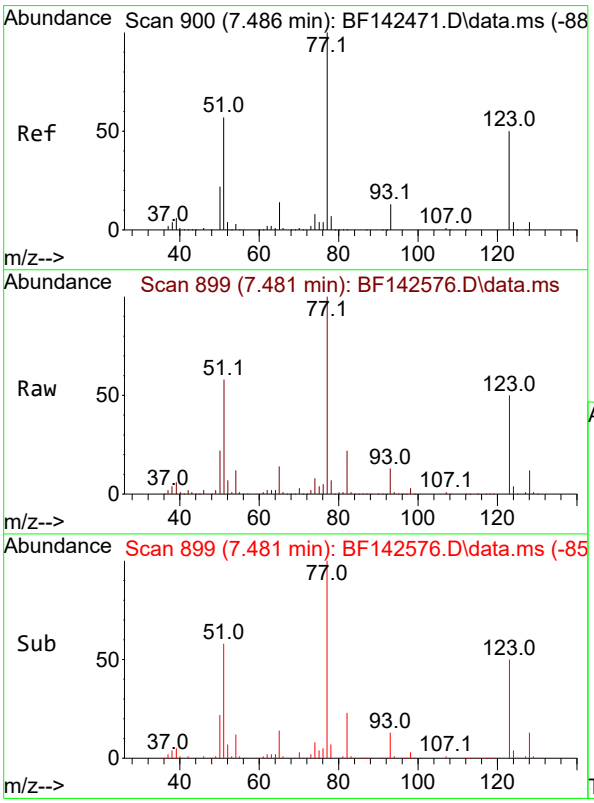
#23
Nitrobenzene-d5
Concen: 73.154 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion: 82 Resp: 631221

Ion	Ratio	Lower	Upper
82	100		
128	48.1	37.4	56.2
54	57.3	46.6	70.0

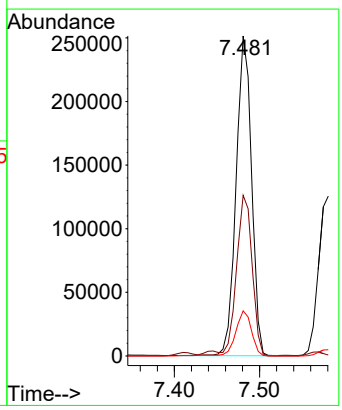


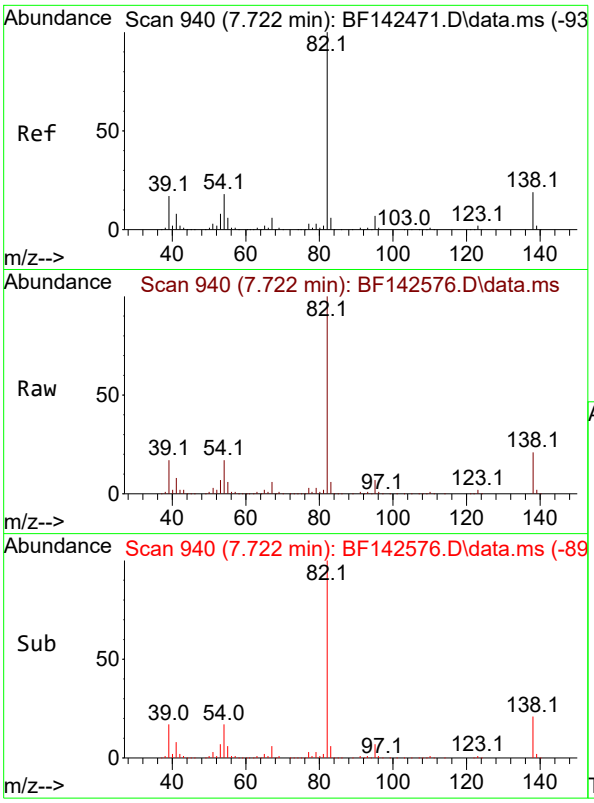


#24
Nitrobenzene
Concen: 40.646 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion: 77 Resp: 316315

Ion	Ratio	Lower	Upper
77	100		
123	50.2	40.6	61.0
65	14.1	11.4	17.2



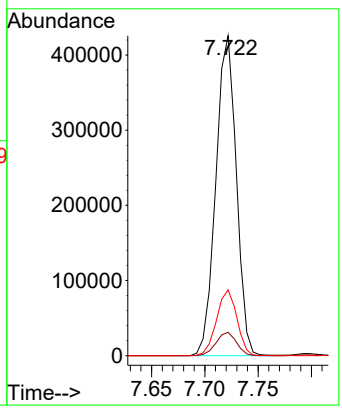


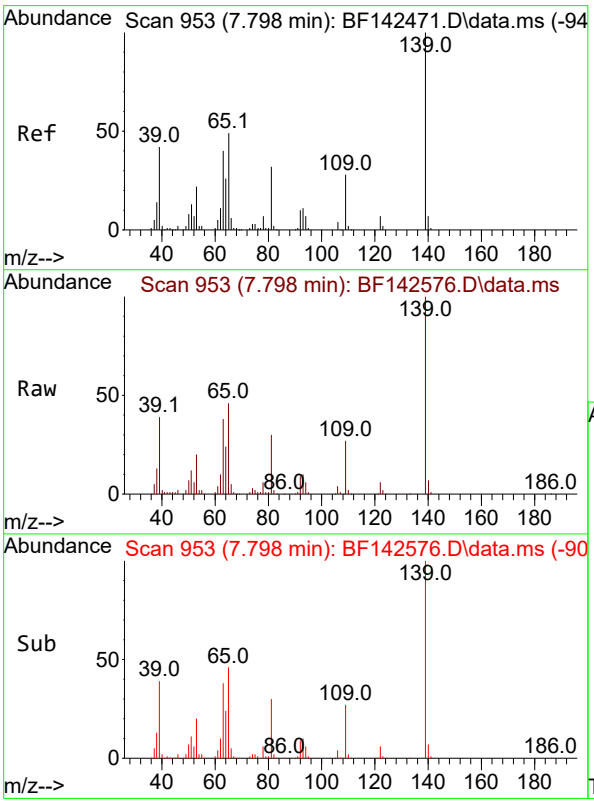
#25
Isophorone
Concen: 39.423 ng
RT: 7.722 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion: 82 Resp: 568738

Ion	Ratio	Lower	Upper
82	100		
95	7.3	6.0	9.0
138	20.5	15.5	23.3

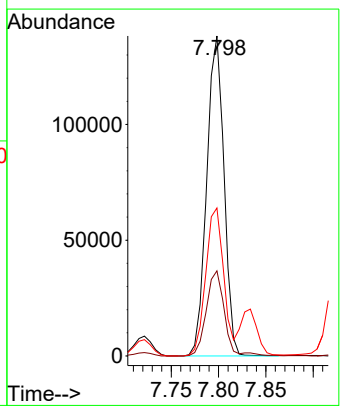


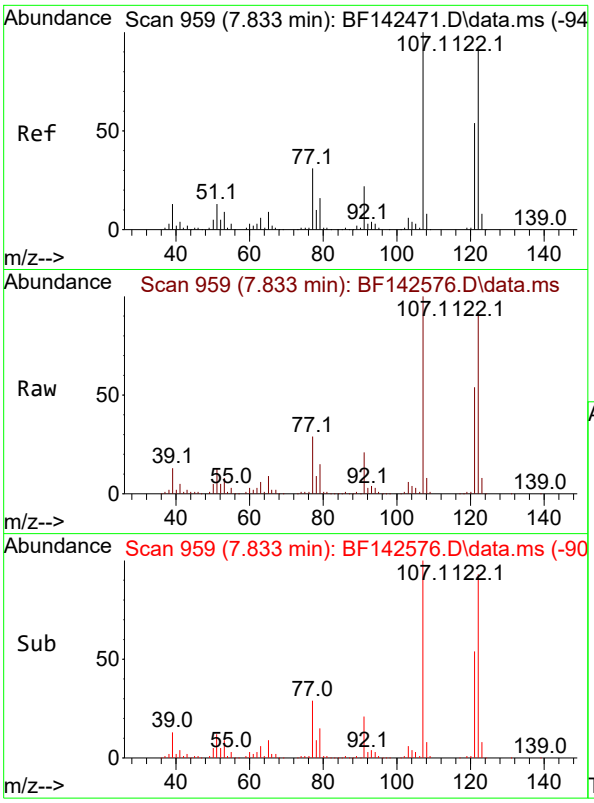


#26
2-Nitrophenol
Concen: 42.184 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:139 Resp: 175413

Ion	Ratio	Lower	Upper
139	100		
109	26.6	22.6	33.8
65	46.3	39.4	59.0



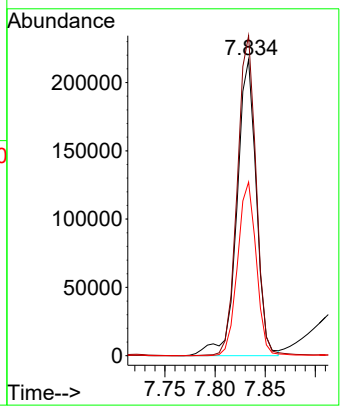


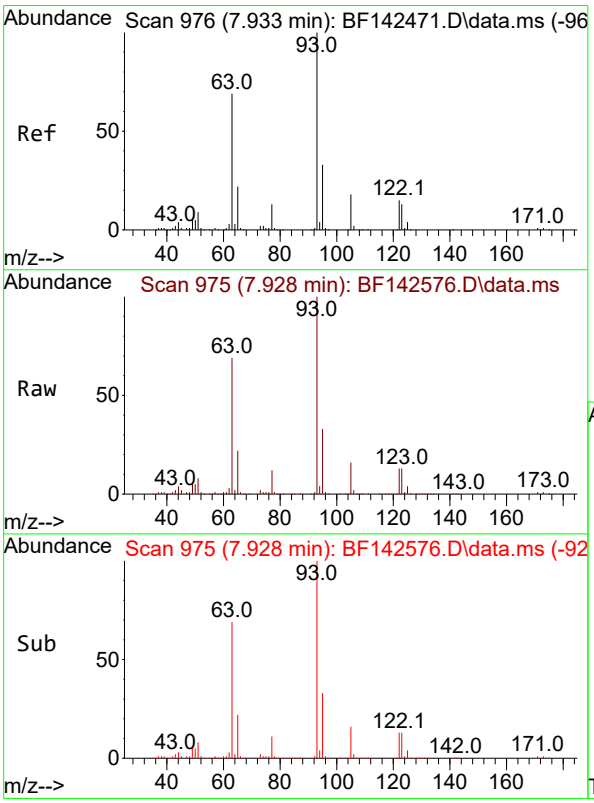
#27
2,4-Dimethylphenol
Concen: 39.876 ng
RT: 7.833 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:122 Resp: 292423

Ion	Ratio	Lower	Upper
122	100		
107	108.1	88.1	132.1
121	58.7	47.3	70.9

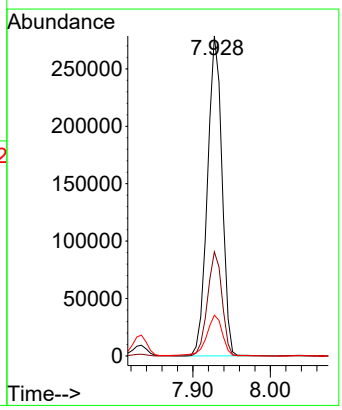


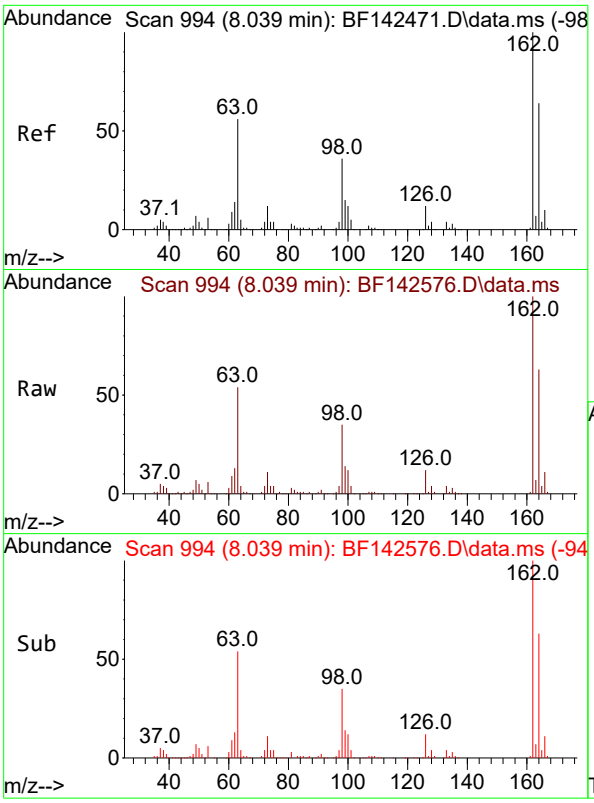


#28
bis(2-Chloroethoxy)methane
Concen: 40.266 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.012 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion: 93 Resp: 362869

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.4	39.6
123	12.8	10.6	15.8



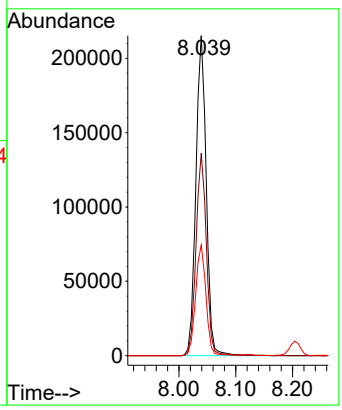


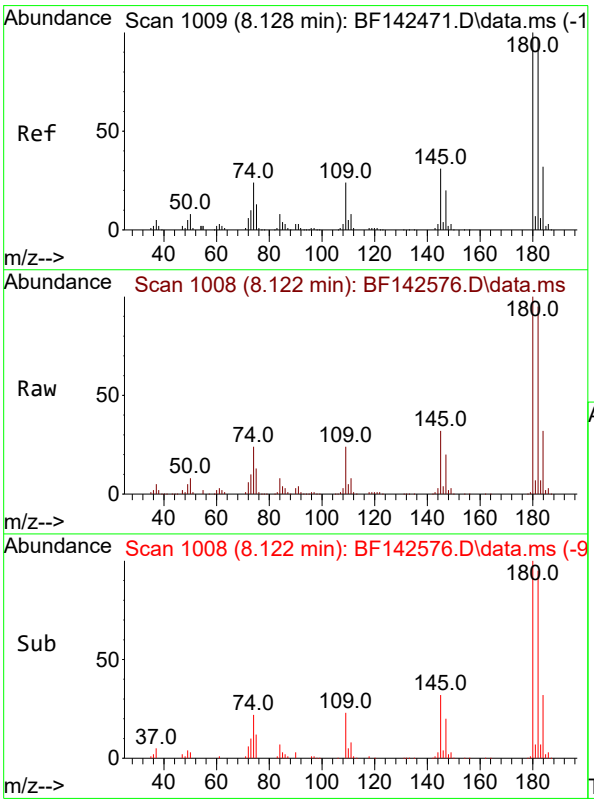
#29
2,4-Dichlorophenol
Concen: 41.237 ng
RT: 8.039 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:162 Resp: 275009

Ion	Ratio	Lower	Upper
162	100		
164	63.2	43.7	83.7
98	34.6	15.5	55.5

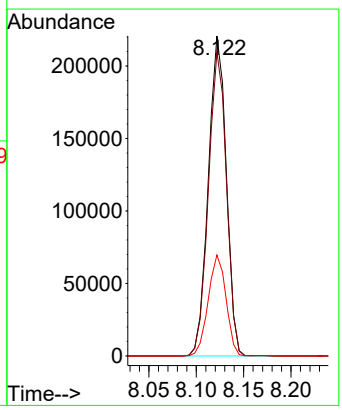


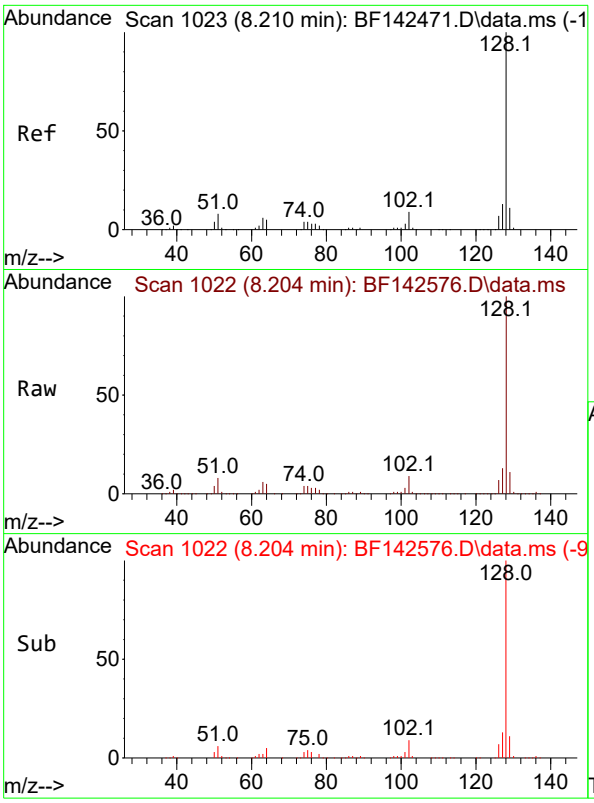


#30
1,2,4-Trichlorobenzene
Concen: 40.136 ng
RT: 8.122 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:180 Resp: 290494

Ion	Ratio	Lower	Upper
180	100		
182	94.9	78.0	117.0
145	31.5	25.0	37.6



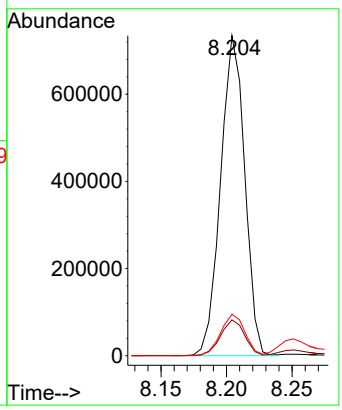


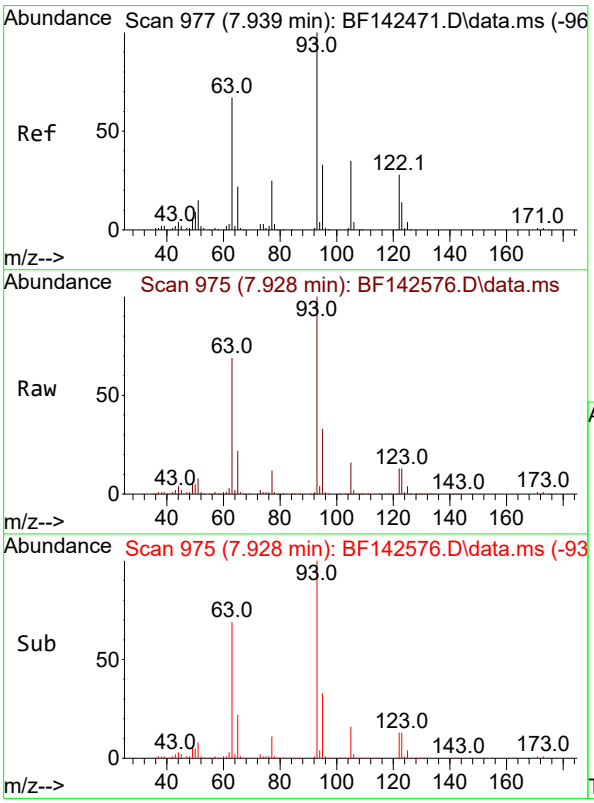
#31
Naphthalene
Concen: 40.560 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:128 Resp: 939685

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.0	10.5	15.7

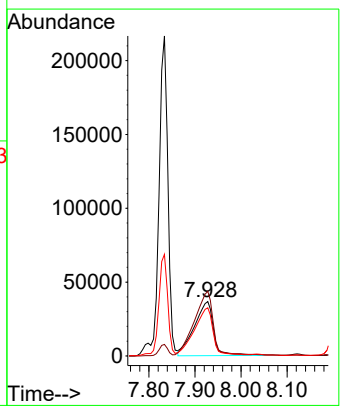


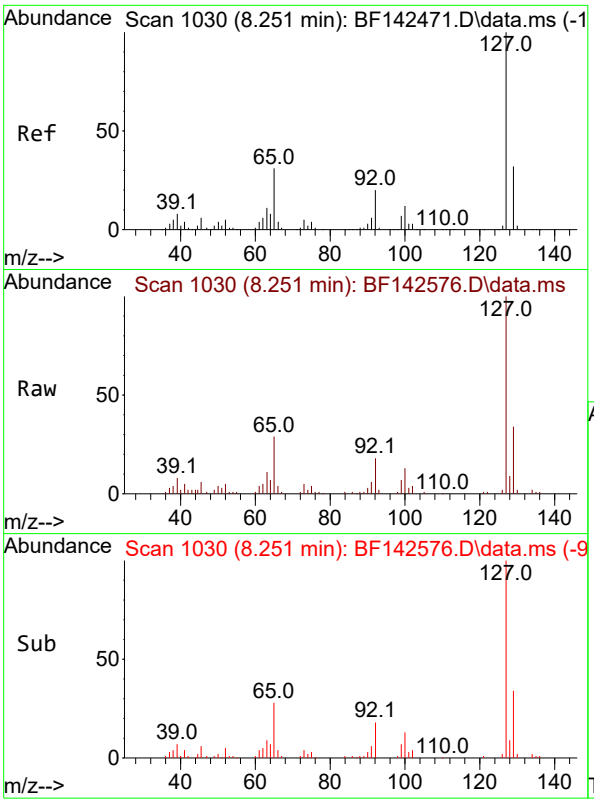


#32
Benzoic acid
Concen: 23.926 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.047 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:122 Resp: 106805

Ion	Ratio	Lower	Upper
122	100		
105	118.7	101.7	141.7
77	88.4	69.5	109.5



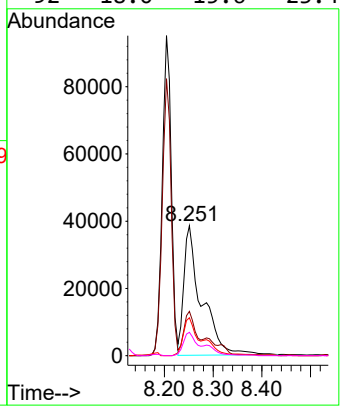


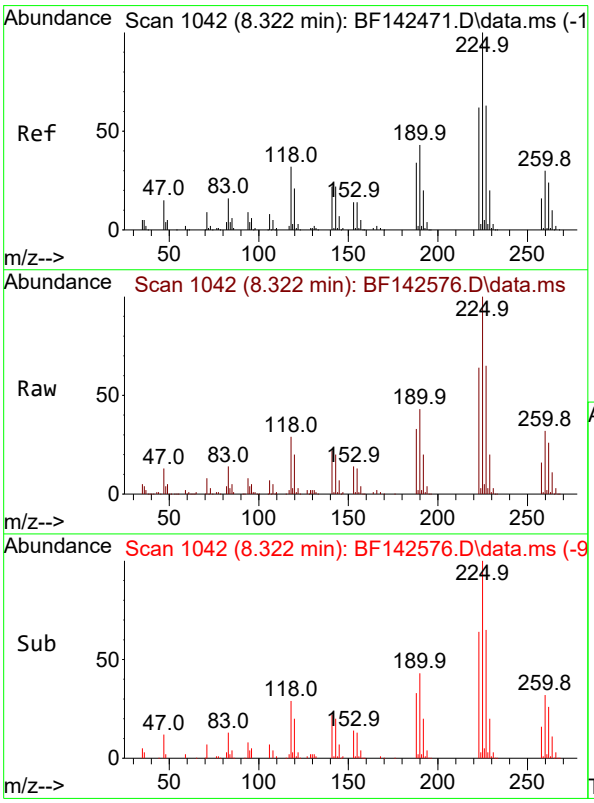
#33
4-Chloroaniline
Concen: 10.385 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:127 Resp: 97494

Ion	Ratio	Lower	Upper
127	100		
129	34.1	26.1	39.1
65	29.2	24.9	37.3
92	18.0	15.6	23.4

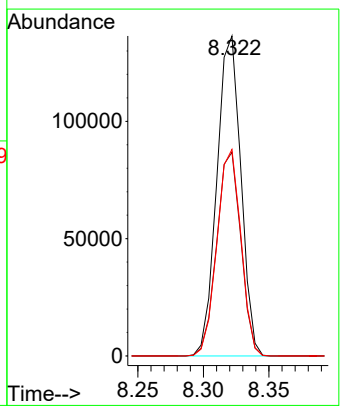


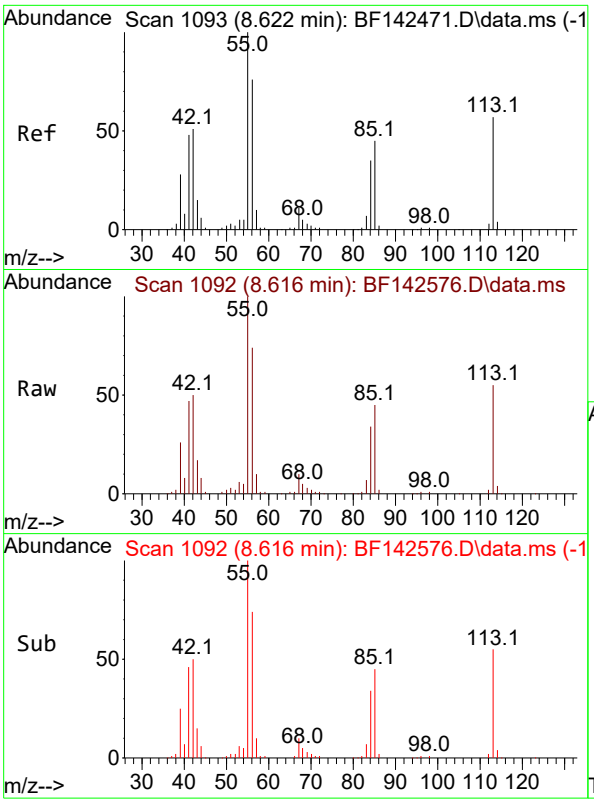


#34
Hexachlorobutadiene
Concen: 38.399 ng
RT: 8.322 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:225 Resp: 173533

Ion	Ratio	Lower	Upper
225	100		
223	63.7	49.7	74.5
227	64.6	50.3	75.5



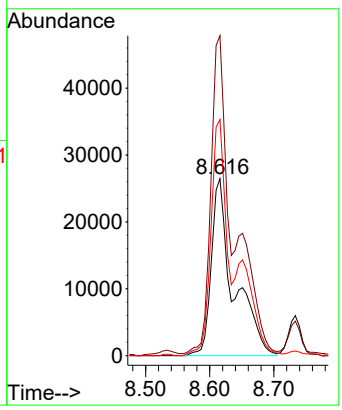


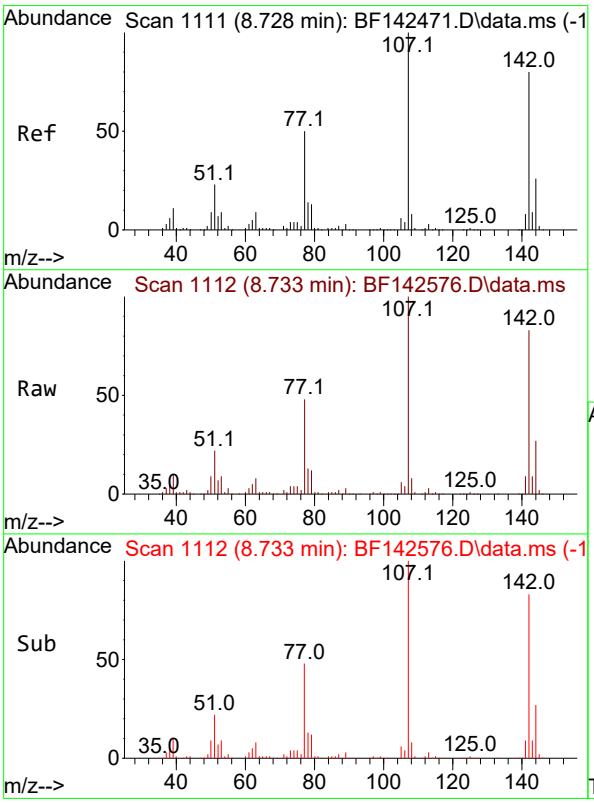
#35
Caprolactam
Concen: 34.211 ng m
RT: 8.616 min Scan# 1
Delta R.T. -0.029 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:113 Resp: 64079

Ion	Ratio	Lower	Upper
113	100		
55	180.9	154.7	194.7
56	133.5	113.2	153.2

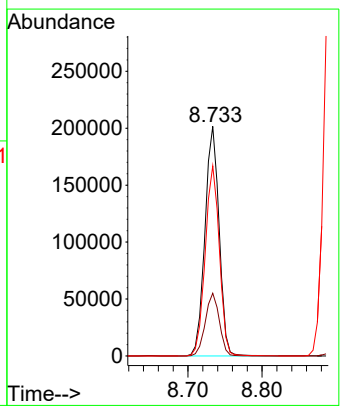


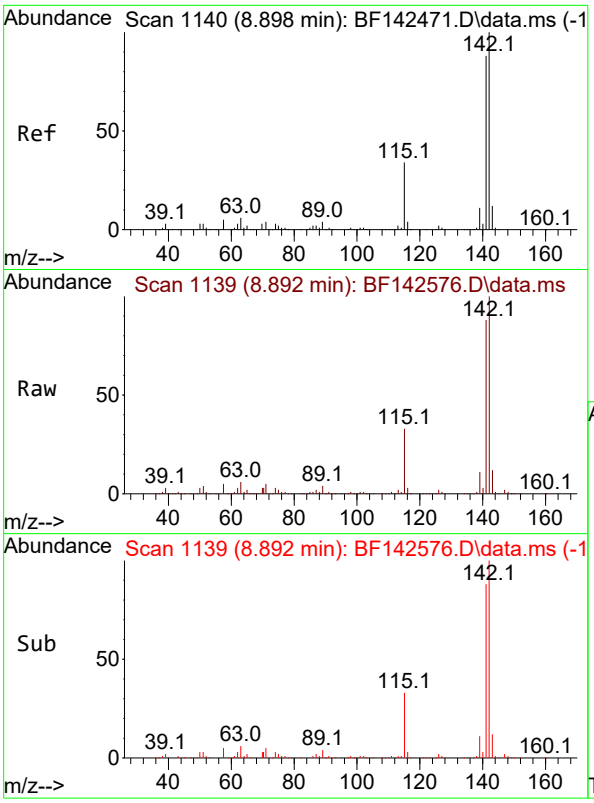


#36
4-Chloro-3-methylphenol
Concen: 39.233 ng
RT: 8.733 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:107 Resp: 268141

Ion	Ratio	Lower	Upper
107	100		
144	27.3	20.9	31.3
142	82.8	64.2	96.2



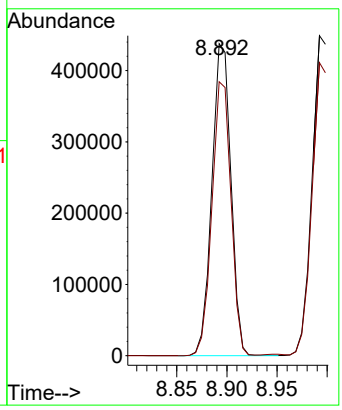


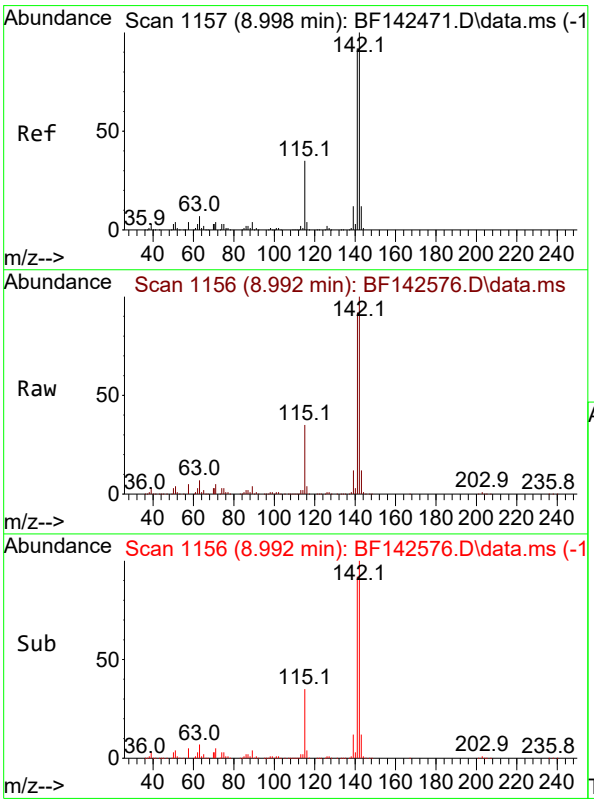
#37
2-Methylnaphthalene
Concen: 39.642 ng
RT: 8.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:142 Resp: 577789

Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.7	106.1

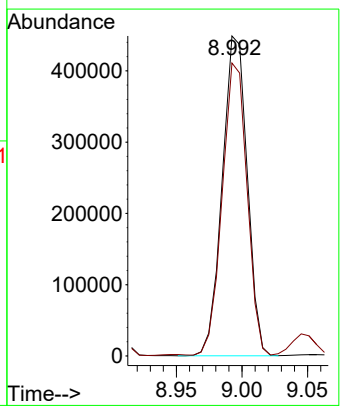


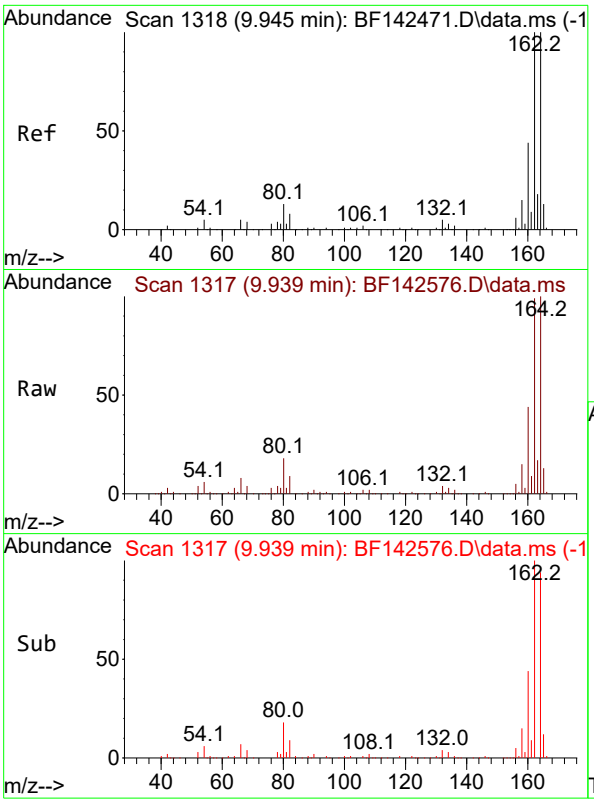


#38
1-Methylnaphthalene
Concen: 39.394 ng
RT: 8.992 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:142 Resp: 593914

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.4	110.2



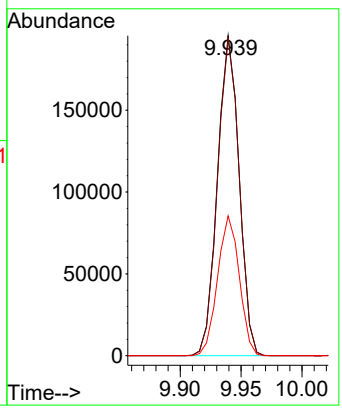


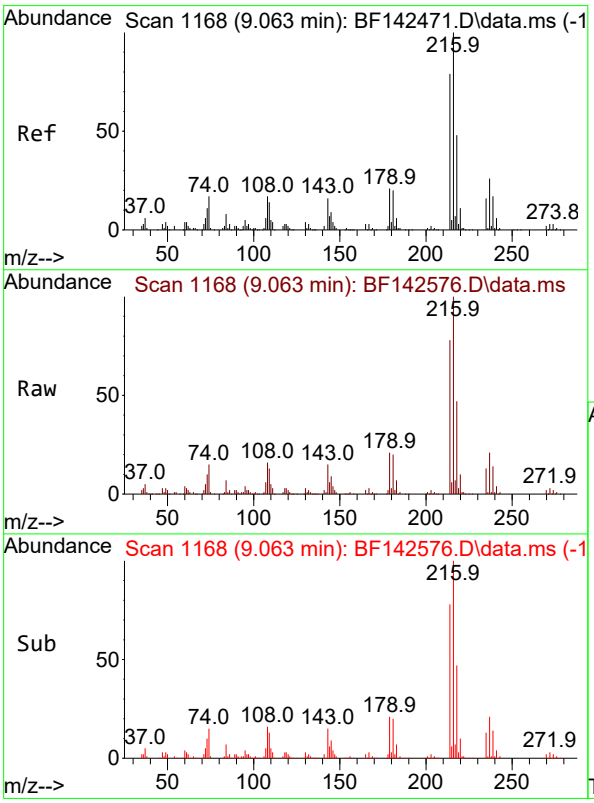
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:164 Resp: 242418

Ion	Ratio	Lower	Upper
164	100		
162	99.1	80.2	120.4
160	43.7	35.6	53.4

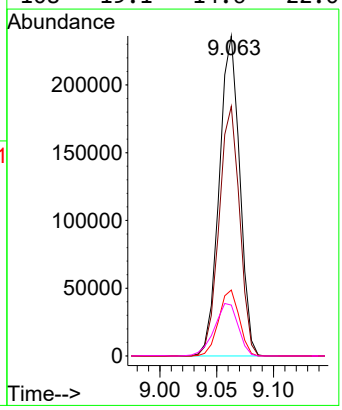


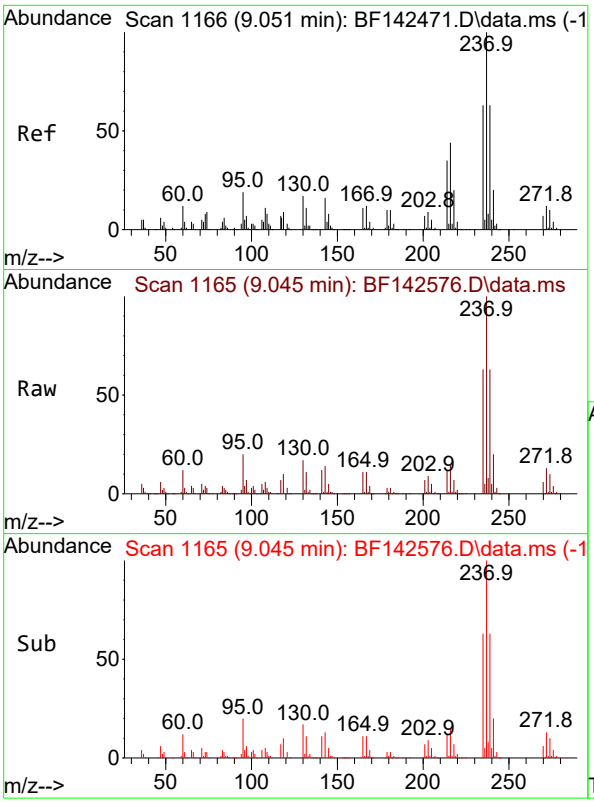


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.557 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:216 Resp: 296147

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.9	94.3
179	20.7	16.9	25.3
108	19.1	14.6	22.0



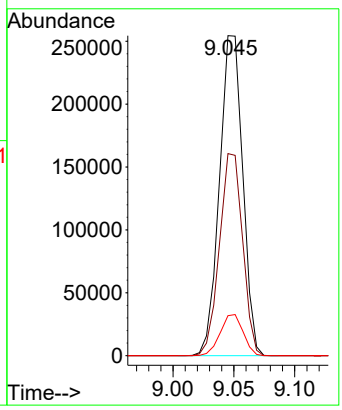


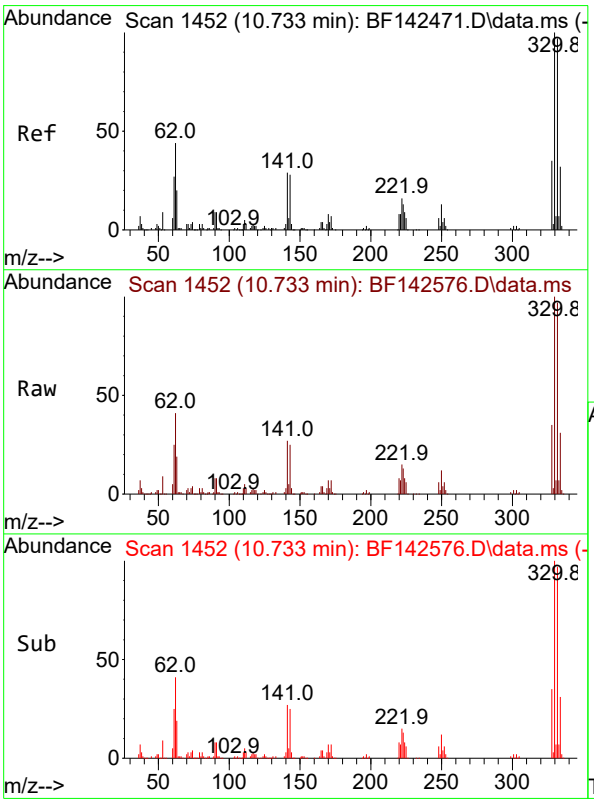
#41
Hexachlorocyclopentadiene
Concen: 72.079 ng
RT: 9.045 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:237 Resp: 338363

Ion	Ratio	Lower	Upper
237	100		
235	63.1	43.3	83.3
272	12.5	0.0	32.4

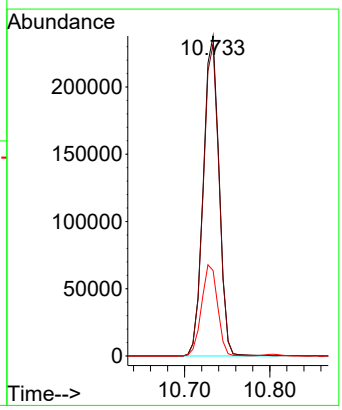


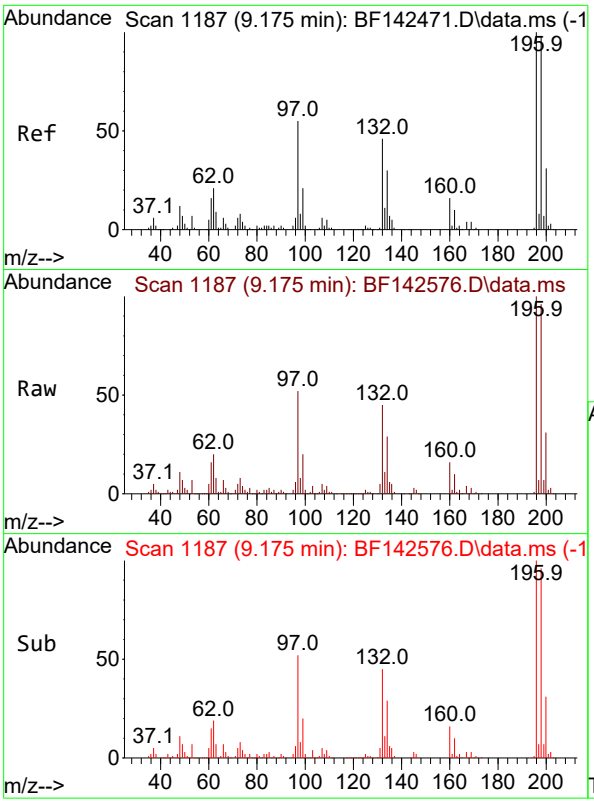


#42
2,4,6-Tribromophenol
Concen: 113.628 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:330 Resp: 305720

Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.6	116.4
141	29.0	24.6	36.8



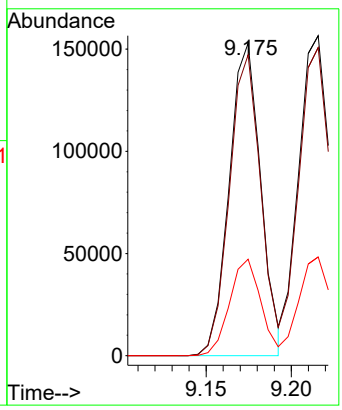


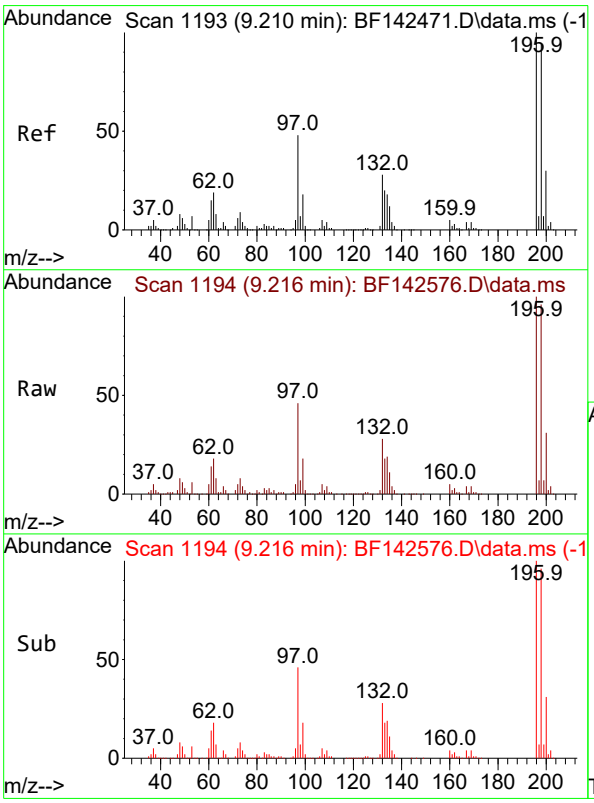
#43
2,4,6-Trichlorophenol
Concen: 41.940 ng
RT: 9.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:196 Resp: 196799

Ion	Ratio	Lower	Upper
196	100		
198	96.3	78.8	118.2
200	30.9	24.9	37.3

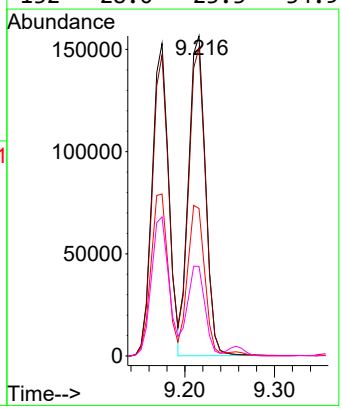


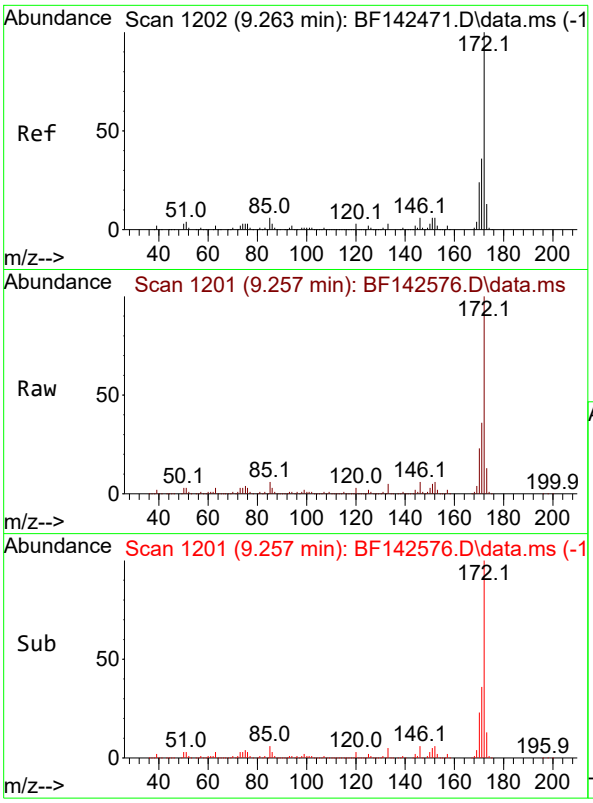


#44
2,4,5-Trichlorophenol
Concen: 41.509 ng
RT: 9.216 min Scan# 1194
Delta R.T. 0.000 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:196 Resp: 205422

Ion	Ratio	Lower	Upper
196	100		
198	96.3	75.5	113.3
97	46.1	39.3	58.9
132	28.0	23.3	34.9



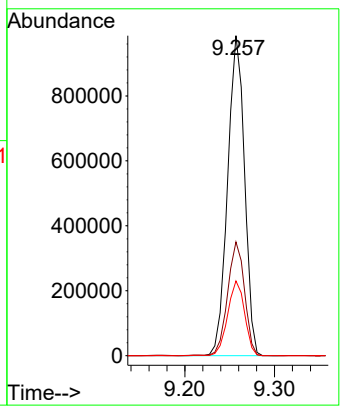


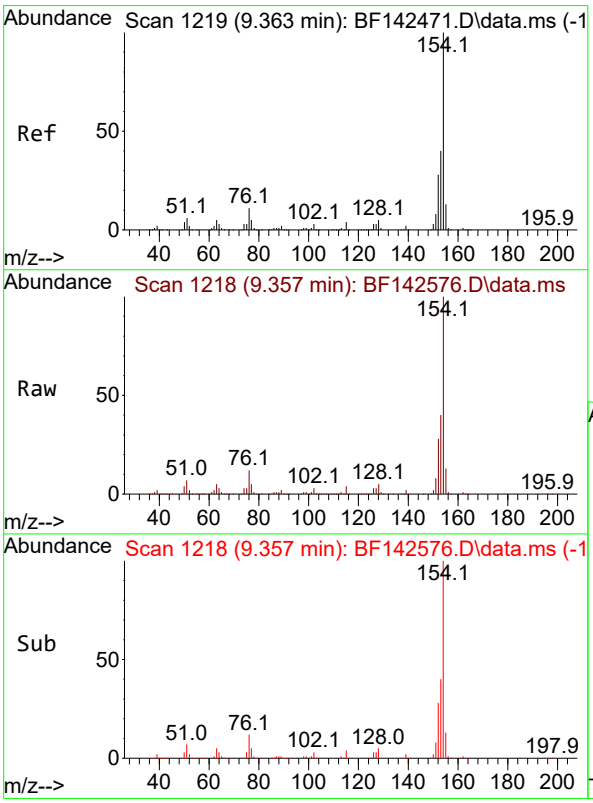
#45
2-Fluorobiphenyl
Concen: 71.379 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:172 Resp: 1289525

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	42.8
170	23.4	18.9	28.3

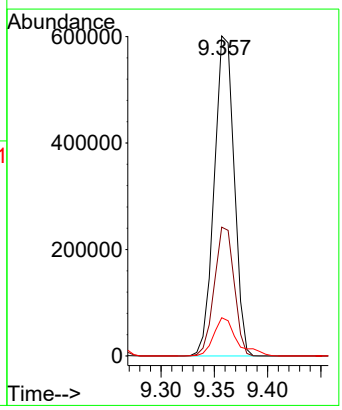


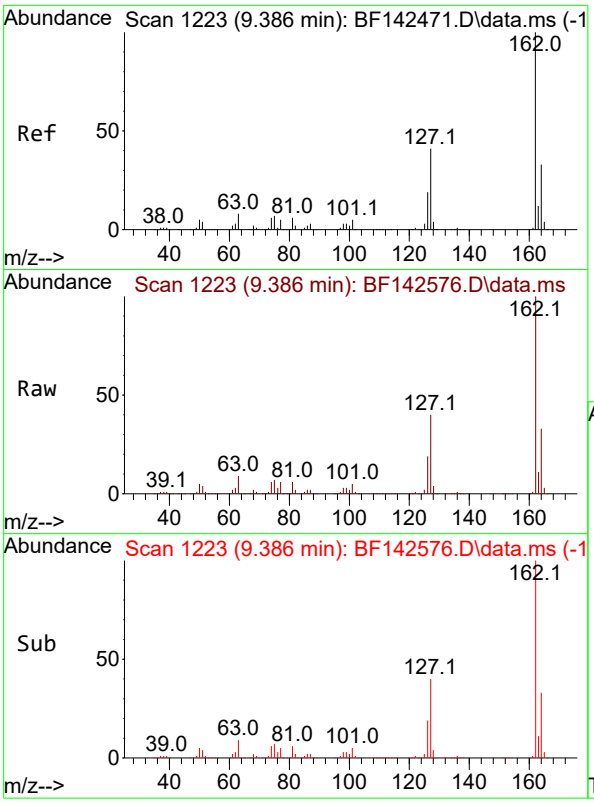


#46
1,1'-Biphenyl
Concen: 41.464 ng
RT: 9.357 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:154 Resp: 779832

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.4	60.4
76	12.0	0.0	30.8



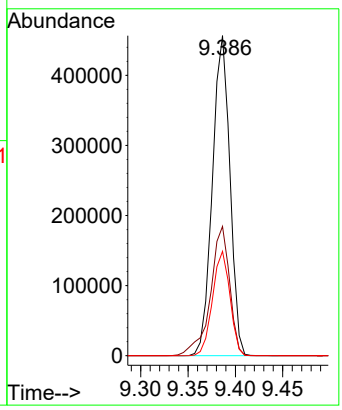


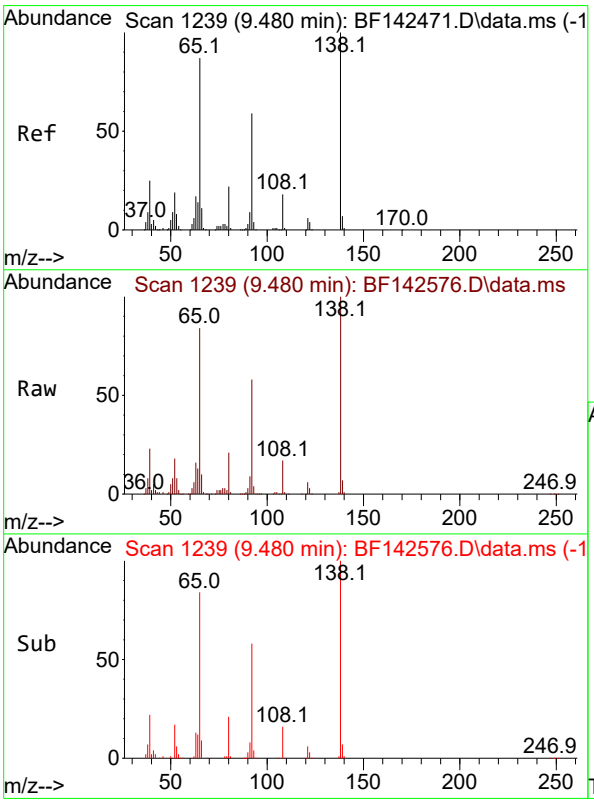
#47
2-Chloronaphthalene
Concen: 42.347 ng
RT: 9.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:162 Resp: 588430

Ion	Ratio	Lower	Upper
162	100		
127	40.4	33.5	50.3
164	32.6	26.1	39.1

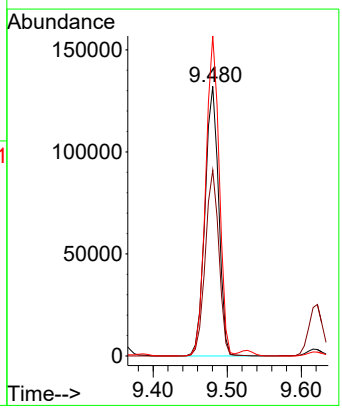


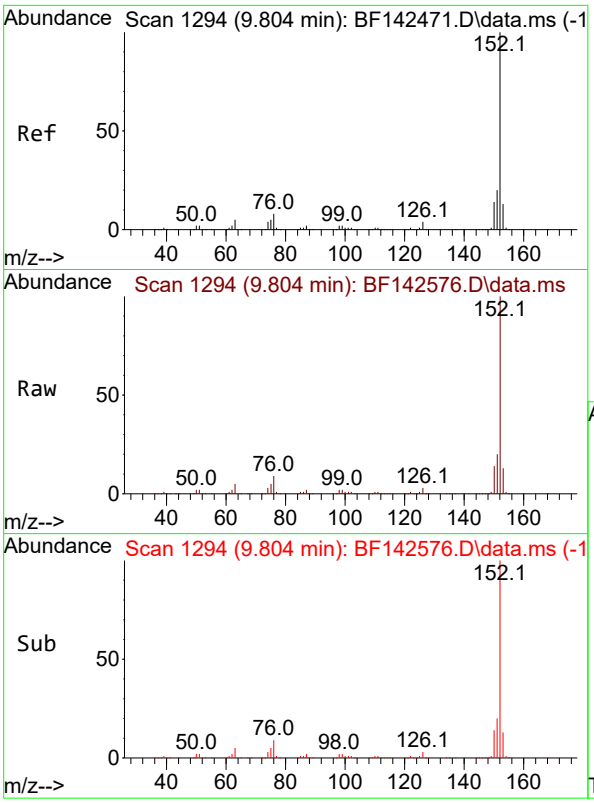


#48
2-Nitroaniline
Concen: 42.382 ng
RT: 9.480 min Scan# 1239
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion: 65 Resp: 170224

Ion	Ratio	Lower	Upper
65	100		
92	69.0	54.4	81.6
138	118.7	91.4	137.2



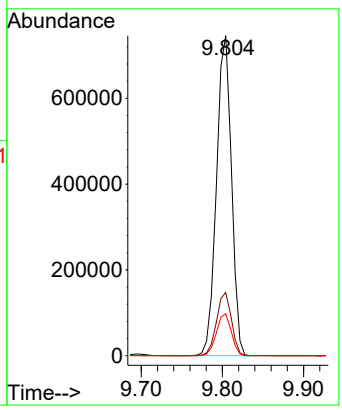


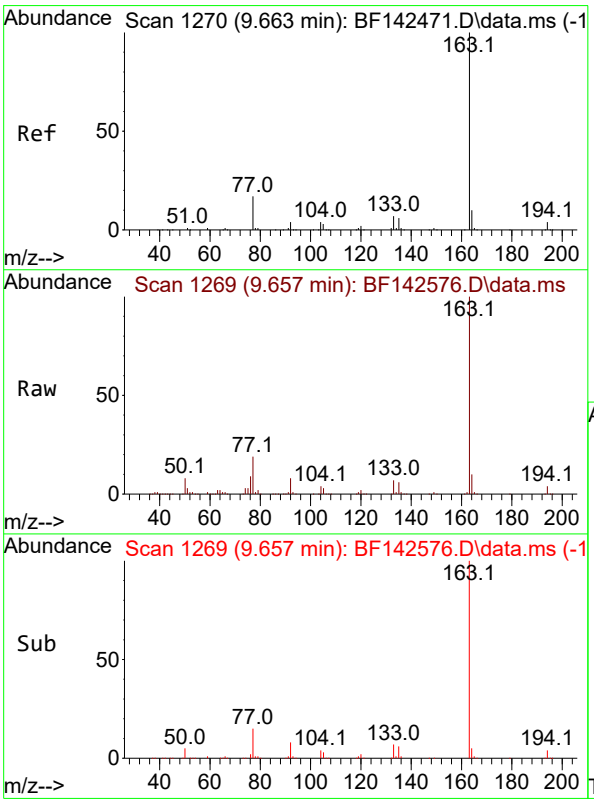
#49
Acenaphthylene
Concen: 40.875 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:152 Resp: 959073

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	13.1	10.6	15.8

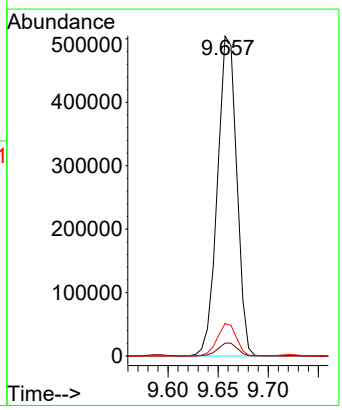


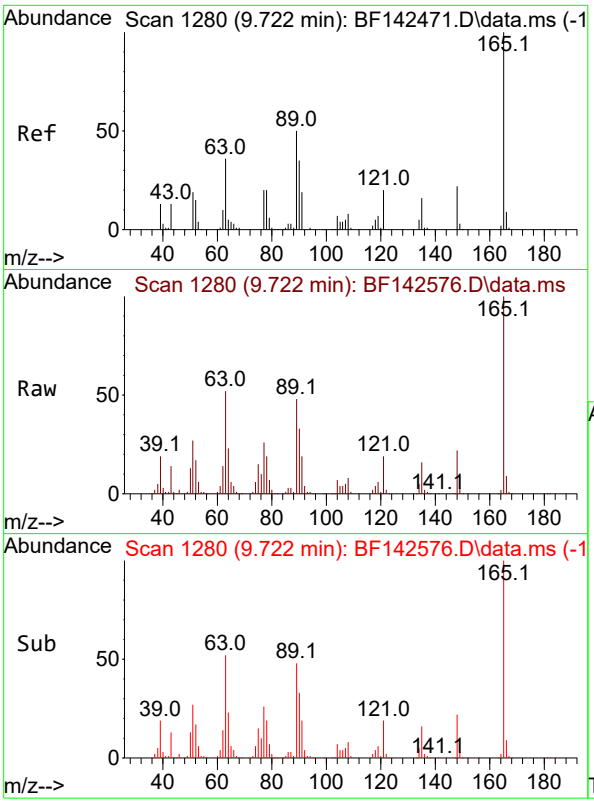


#50
Dimethylphthalate
Concen: 42.120 ng
RT: 9.657 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:163 Resp: 673733

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.1	8.2	12.4



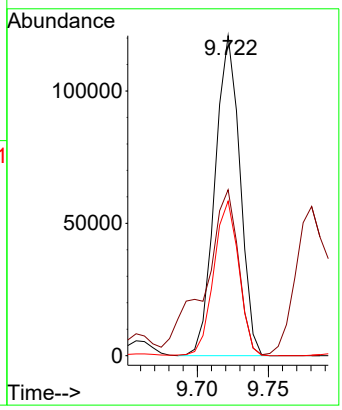


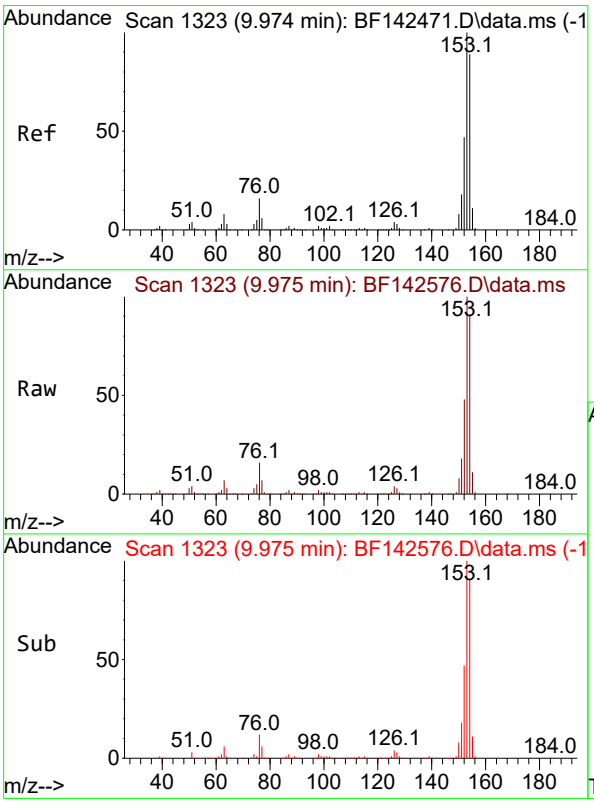
#51
2,6-Dinitrotoluene
Concen: 42.787 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:165 Resp: 147716

Ion	Ratio	Lower	Upper
165	100		
63	51.8	42.9	64.3
89	48.3	40.2	60.4

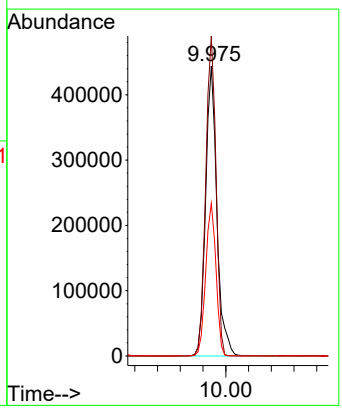


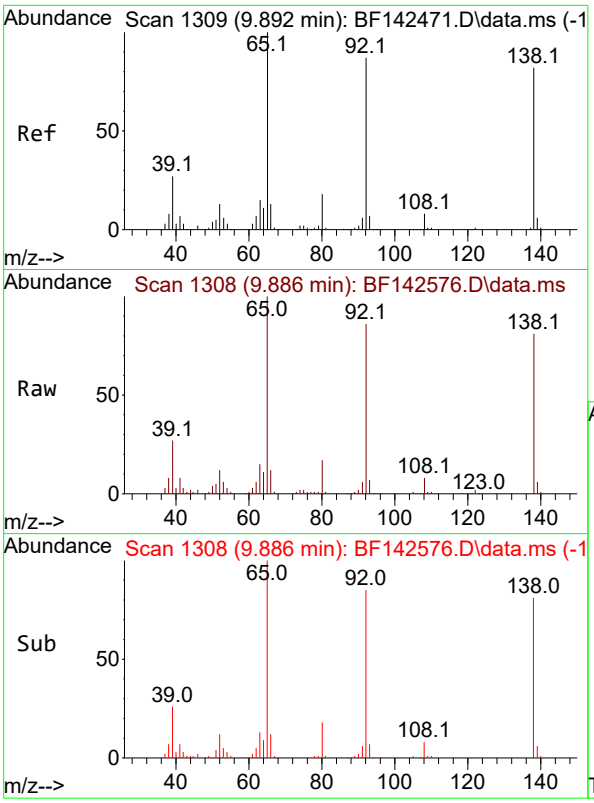


#52
Acenaphthene
Concen: 42.463 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.005 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:154 Resp: 608380

Ion	Ratio	Lower	Upper
154	100		
153	110.4	90.0	135.0
152	52.7	42.6	64.0



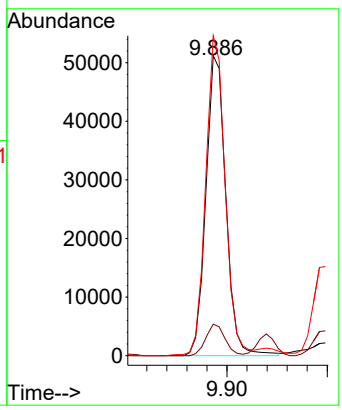


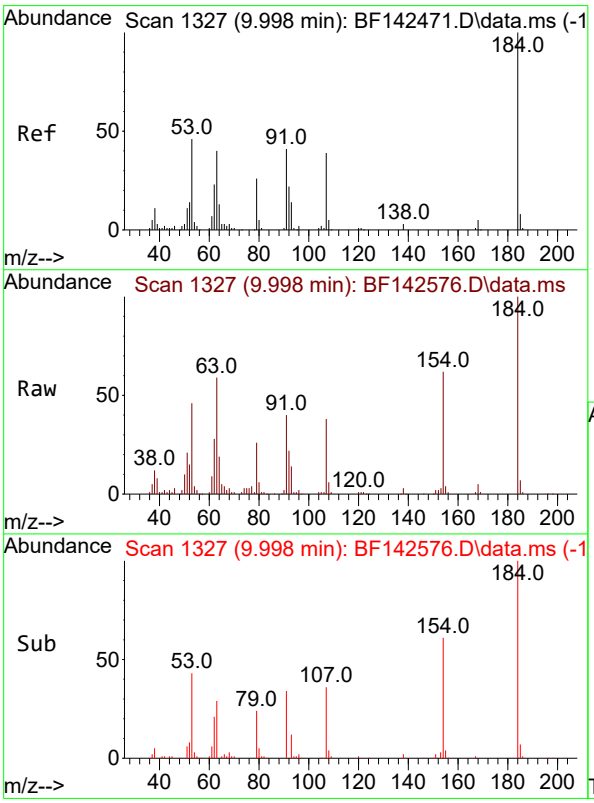
#53
3-Nitroaniline
Concen: 18.770 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:138 Resp: 70778

Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.1	12.1
92	106.6	85.2	127.8

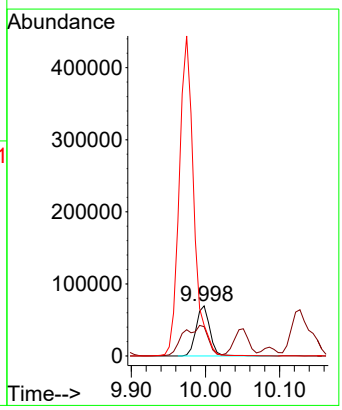


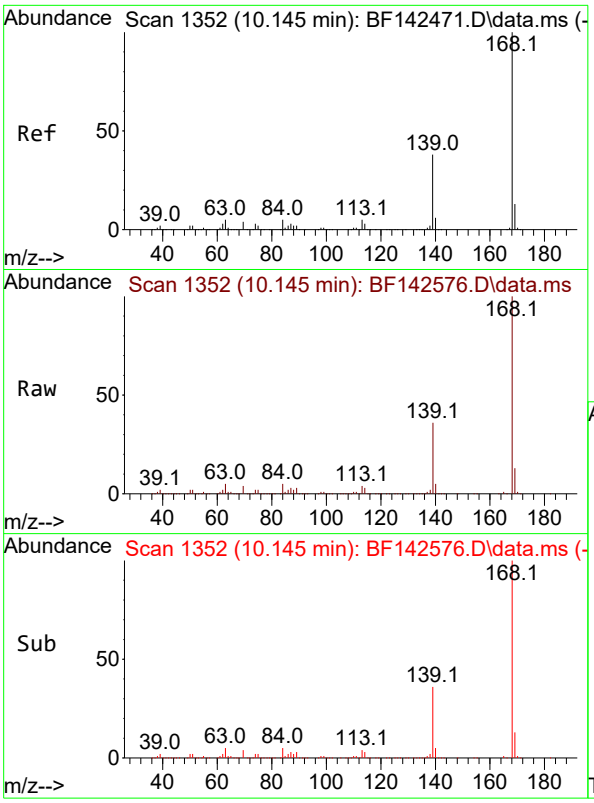


#54
2,4-Dinitrophenol
Concen: 50.242 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:184 Resp: 89612

Ion	Ratio	Lower	Upper
184	100		
63	58.5	46.3	69.5
154	61.5	56.8	85.2



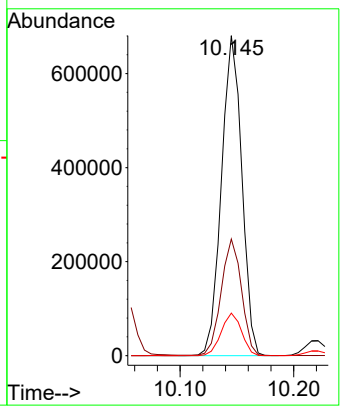


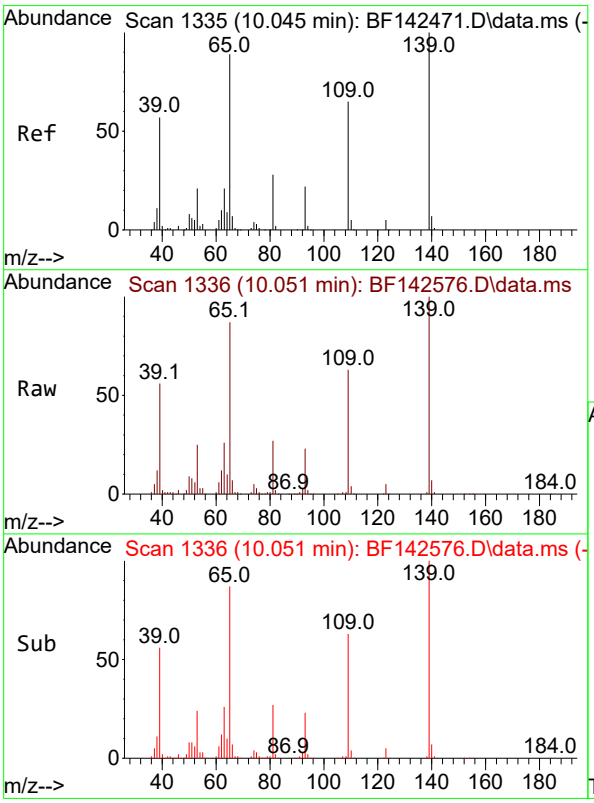
#55
Dibenzofuran
Concen: 41.088 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:168 Resp: 847125

Ion	Ratio	Lower	Upper
168	100		
139	36.4	30.2	45.2
169	13.3	10.7	16.1

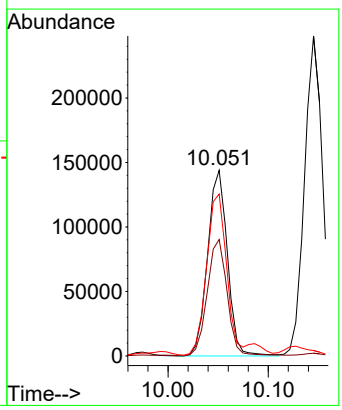


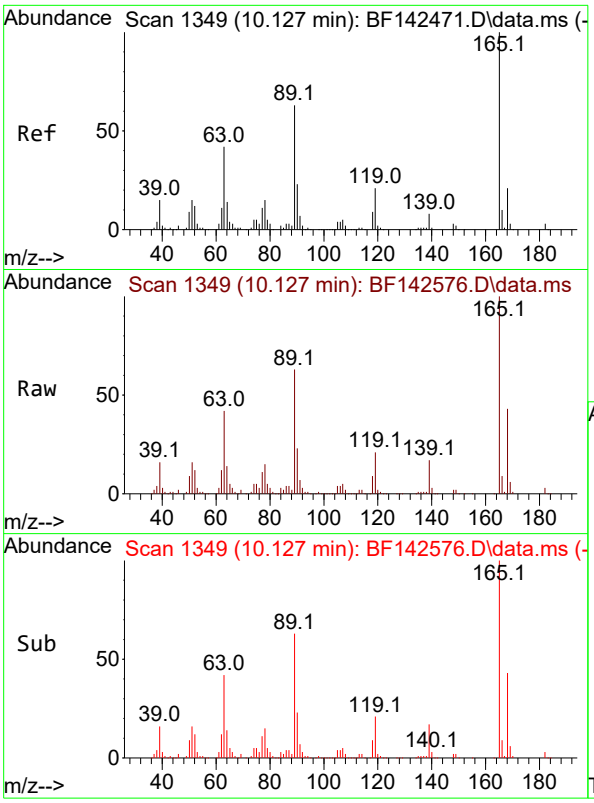


#56
4-Nitrophenol
Concen: 70.976 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:139 Resp: 197474

Ion	Ratio	Lower	Upper
139	100		
109	62.8	45.1	85.1
65	87.2	69.7	109.7



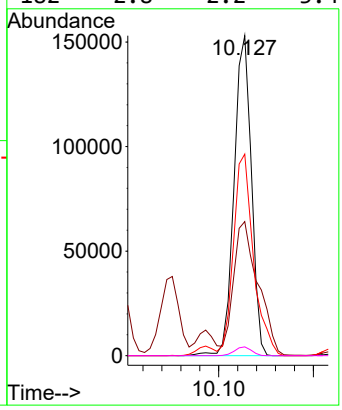


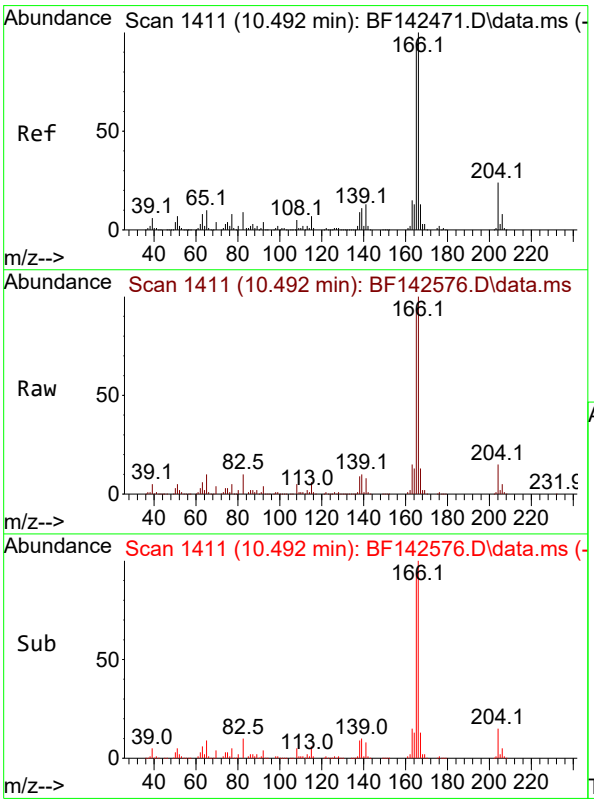
#57
2,4-Dinitrotoluene
Concen: 42.929 ng
RT: 10.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:165 Resp: 193552

Ion	Ratio	Lower	Upper
165	100		
63	41.9	33.6	50.4
89	63.0	50.2	75.4
182	2.8	2.2	3.4

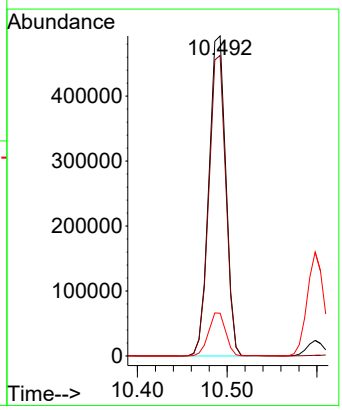


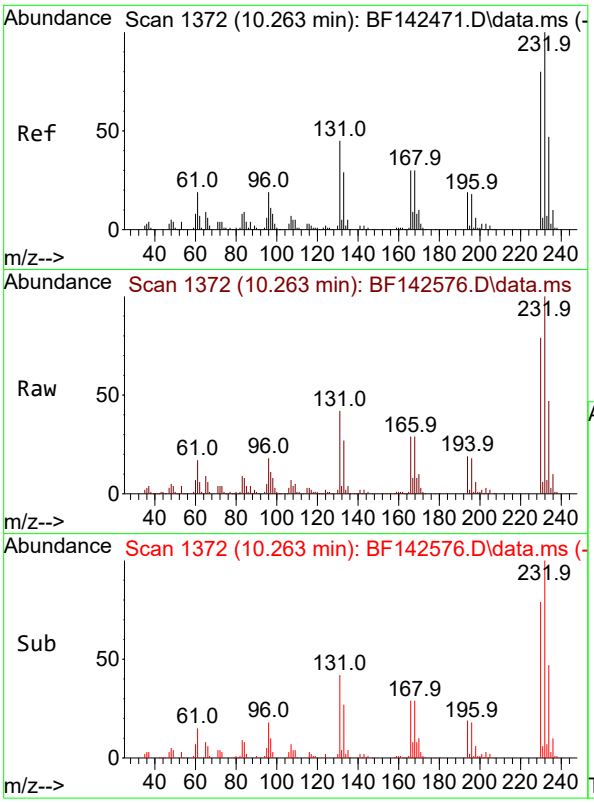


#58
Fluorene
Concen: 40.469 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:166 Resp: 644596

Ion	Ratio	Lower	Upper
166	100		
165	93.9	75.8	113.8
167	13.4	10.6	16.0



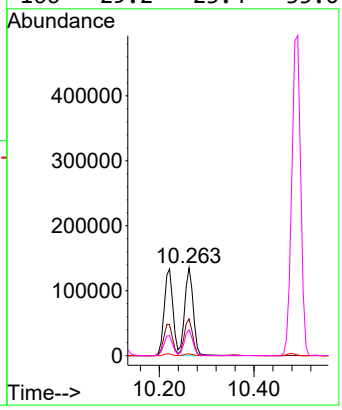


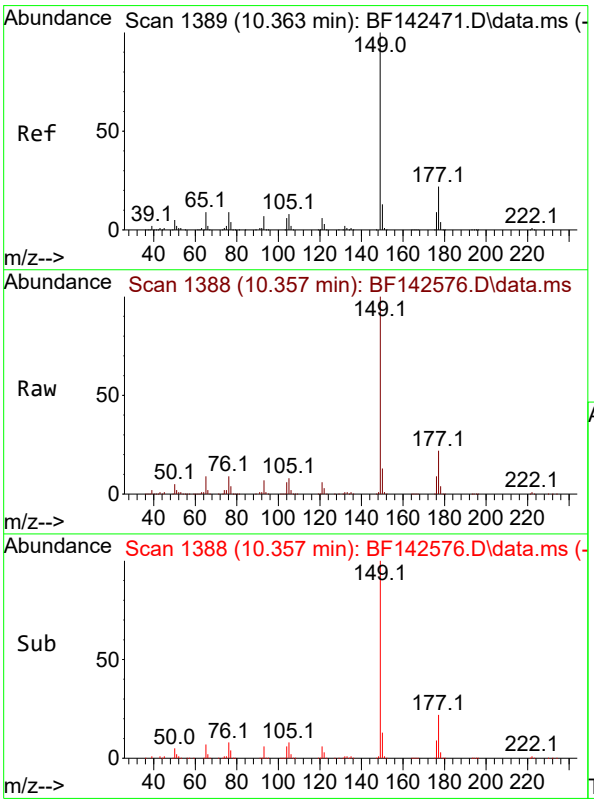
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.087 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:232 Resp: 169747

Ion	Ratio	Lower	Upper
232	100		
131	41.9	35.2	52.8
130	2.1	1.7	2.5
166	29.2	23.4	35.0

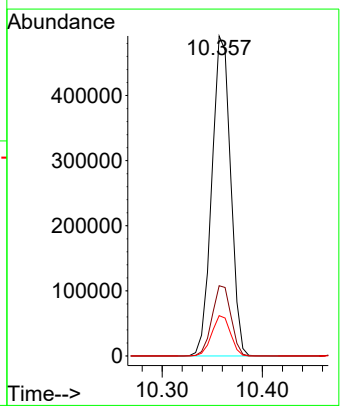


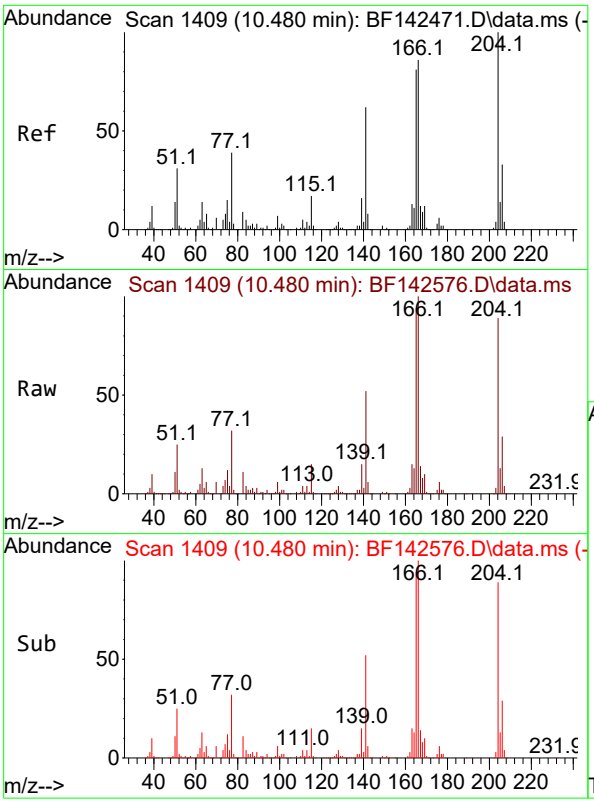


#60
Diethylphthalate
Concen: 40.875 ng
RT: 10.357 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:149 Resp: 638554

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.6	26.4
150	12.6	10.1	15.1



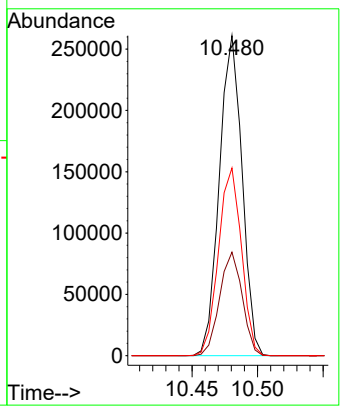


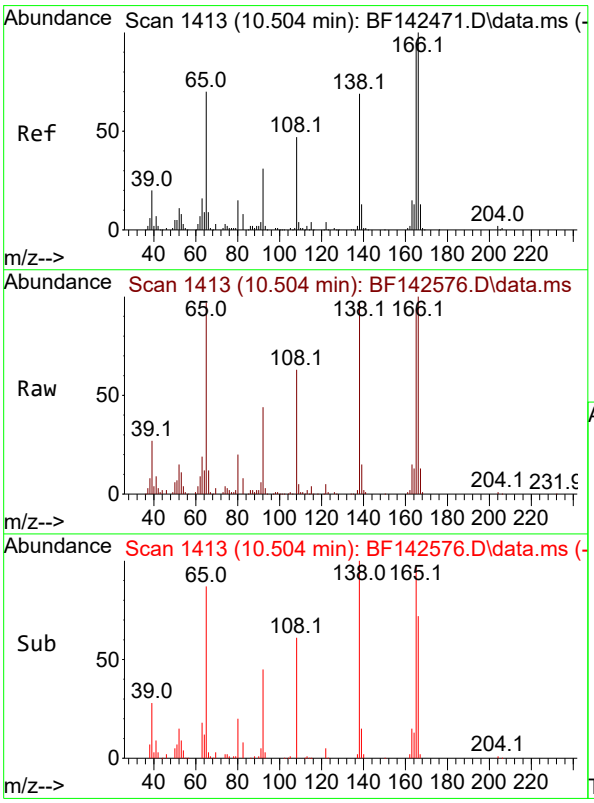
#61
4-Chlorophenyl-phenylether
Concen: 40.150 ng
RT: 10.480 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:204 Resp: 314156

Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.3	39.5
141	58.7	49.5	74.3

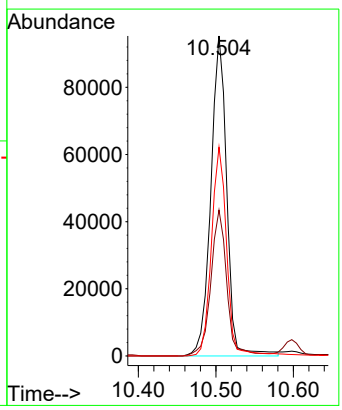


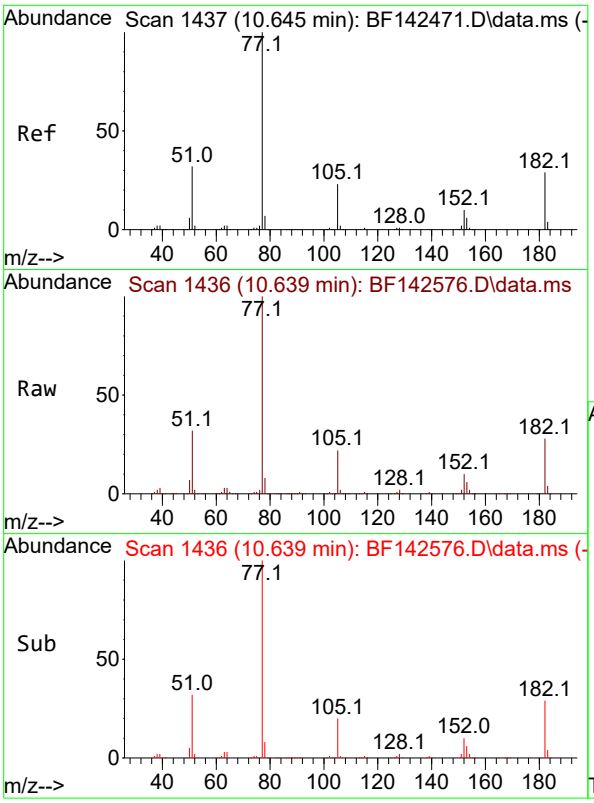


#62
4-Nitroaniline
Concen: 39.718 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:138 Resp: 135831

Ion	Ratio	Lower	Upper
138	100		
92	45.6	26.0	66.0
108	65.3	48.4	88.4



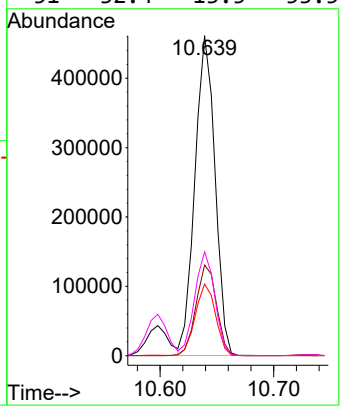


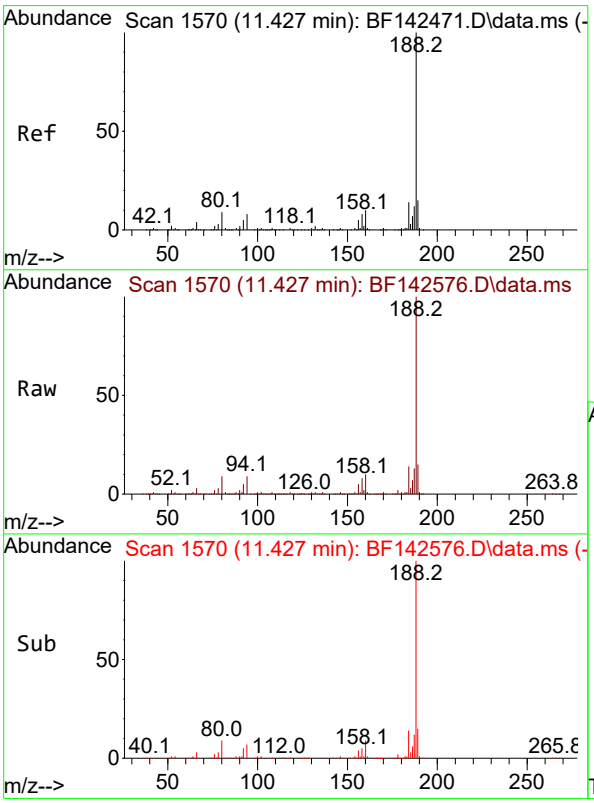
#63
Azobenzene
Concen: 40.437 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion: 77 Resp: 567396

Ion	Ratio	Lower	Upper
77	100		
182	28.4	9.0	49.0
105	22.4	2.4	42.4
51	32.4	13.5	53.5

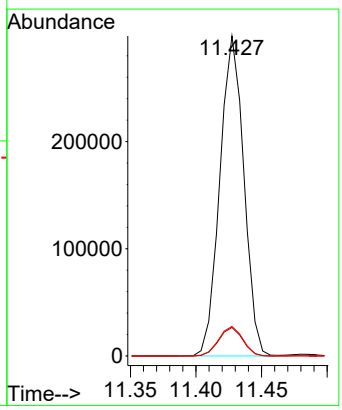


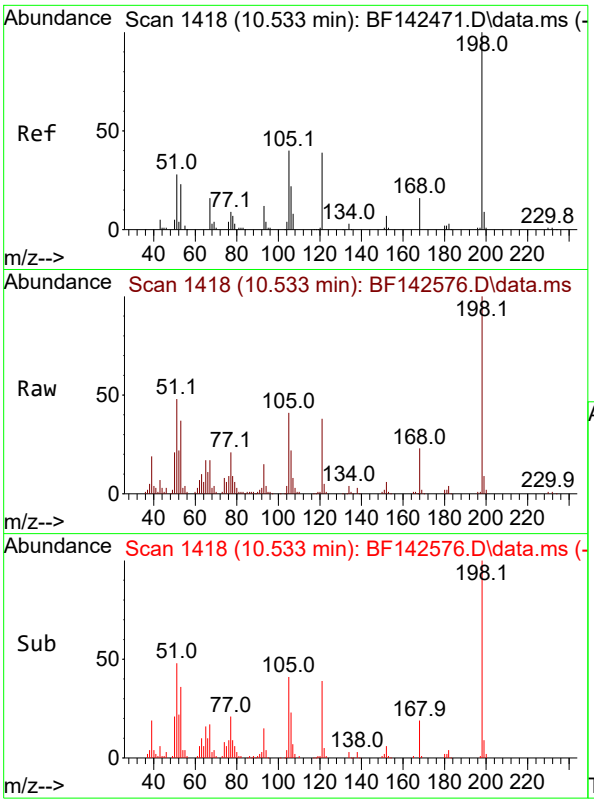


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:188 Resp: 379868

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.6	10.0
80	9.2	7.4	11.0



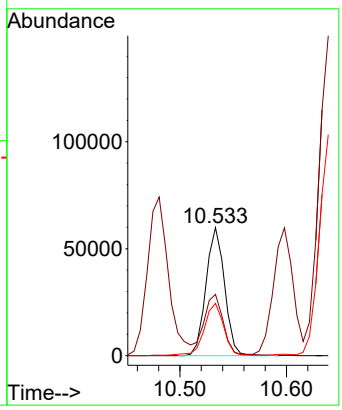


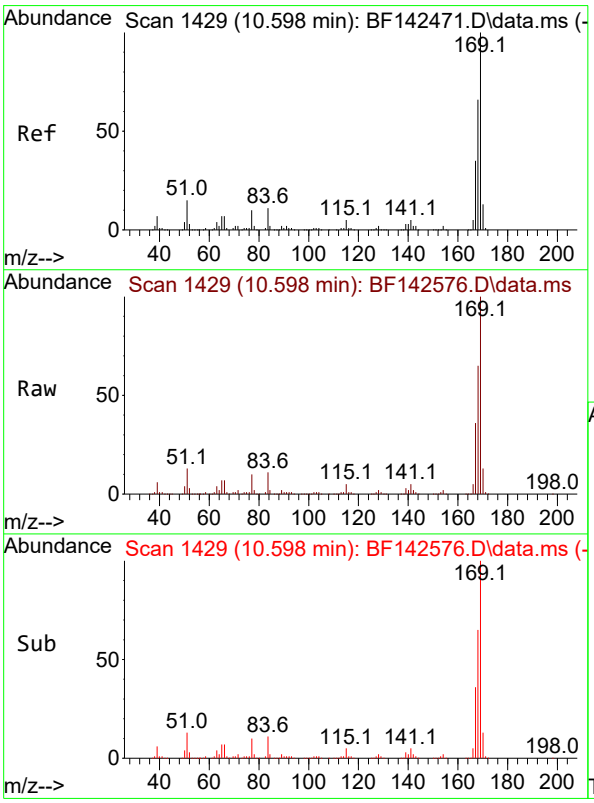
#65
4,6-Dinitro-2-methylphenol
Concen: 34.390 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:198 Resp: 72905

Ion	Ratio	Lower	Upper
198	100		
51	47.8	28.3	68.3
105	40.8	21.3	61.3

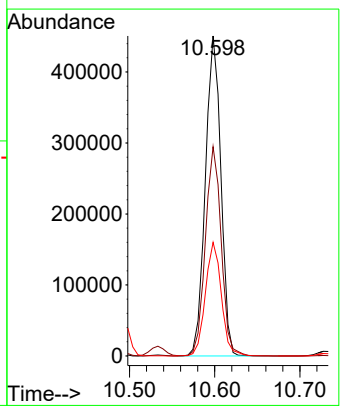


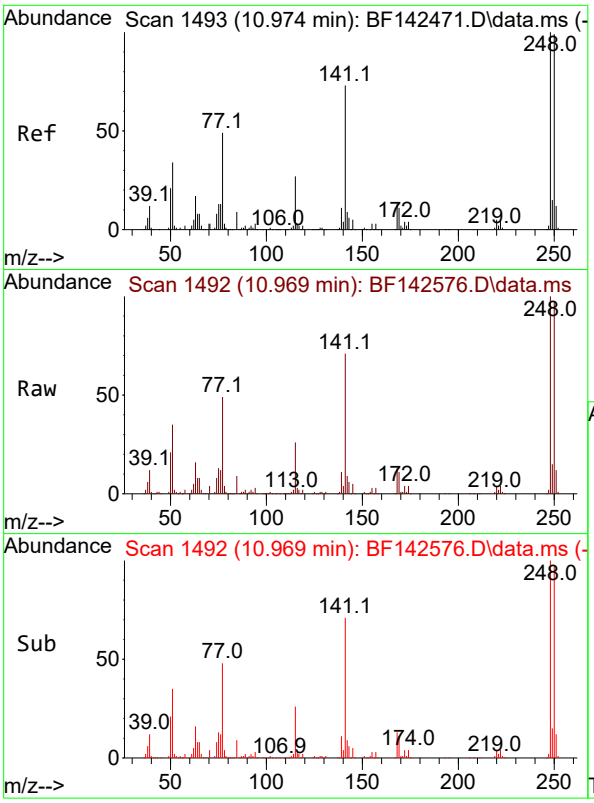


#66
n-Nitrosodiphenylamine
Concen: 43.937 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:169 Resp: 571003

Ion	Ratio	Lower	Upper
169	100		
168	65.4	52.7	79.1
167	35.5	28.3	42.5



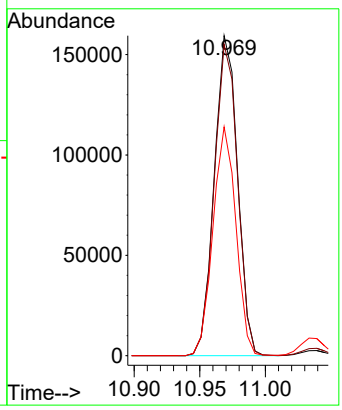


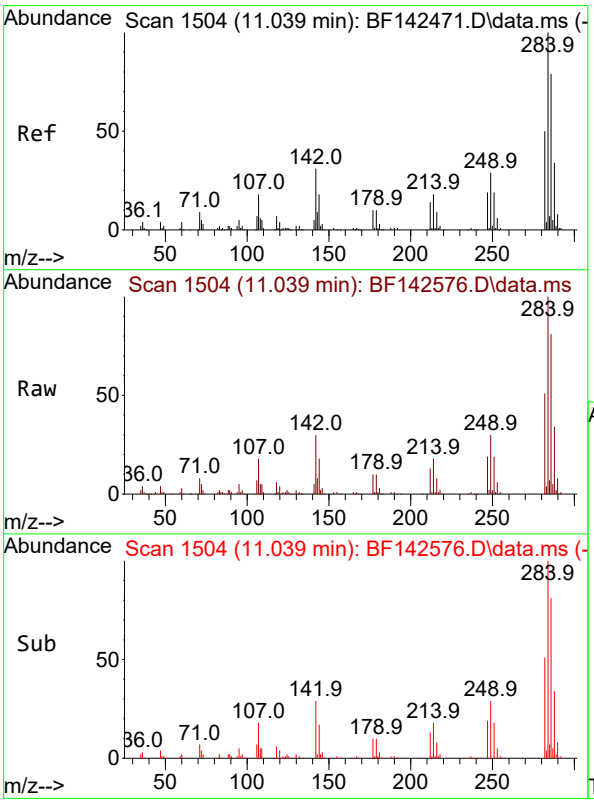
#67
4-Bromophenyl-phenylether
Concen: 43.864 ng
RT: 10.969 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:248 Resp: 197022

Ion	Ratio	Lower	Upper
248	100		
250	97.3	79.0	118.4
141	71.5	58.4	87.6

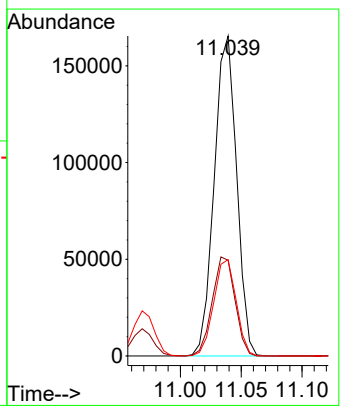


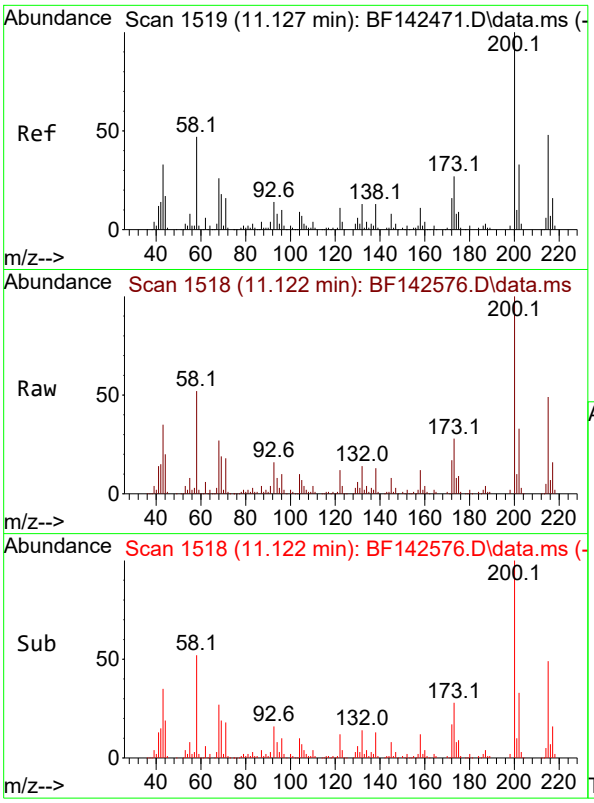


#68
Hexachlorobenzene
Concen: 42.656 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:284 Resp: 211910

Ion	Ratio	Lower	Upper
284	100		
142	29.9	24.8	37.2
249	30.1	23.6	35.4



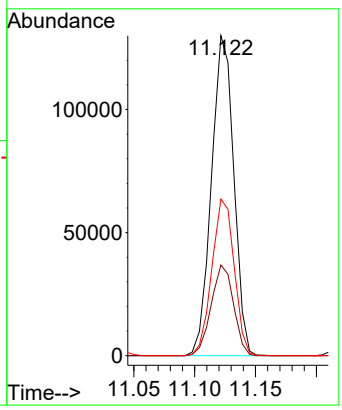


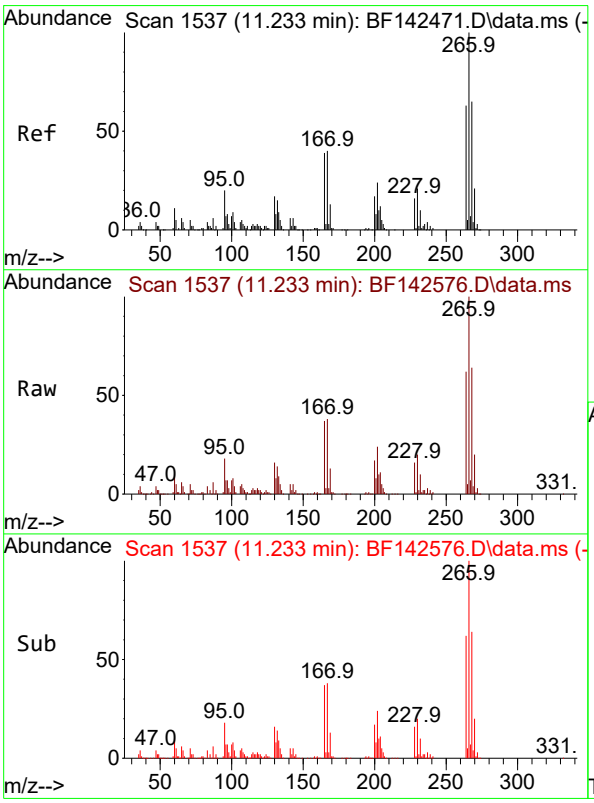
#69
Atrazine
Concen: 48.138 ng
RT: 11.122 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:200 Resp: 166142

Ion	Ratio	Lower	Upper
200	100		
173	28.4	7.4	47.4
215	49.0	28.5	68.5

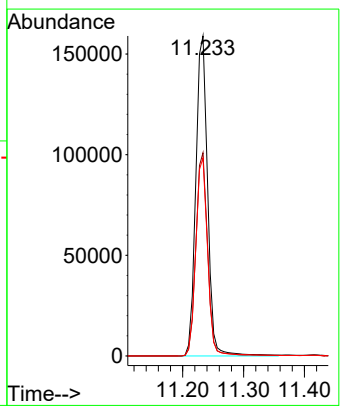


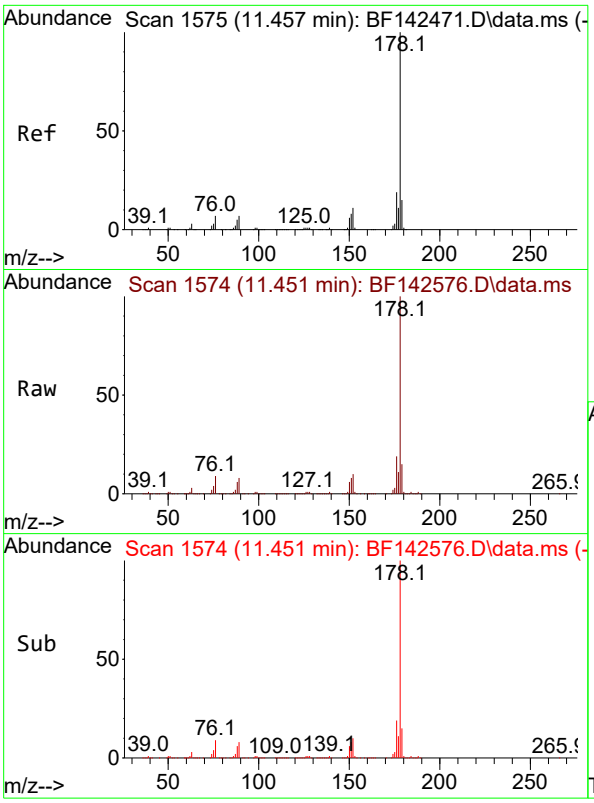


#70
Pentachlorophenol
Concen: 76.550 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:266 Resp: 214707

Ion	Ratio	Lower	Upper
266	100		
268	63.5	51.7	77.5
264	61.9	50.4	75.6



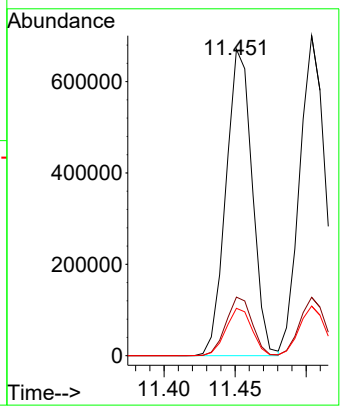


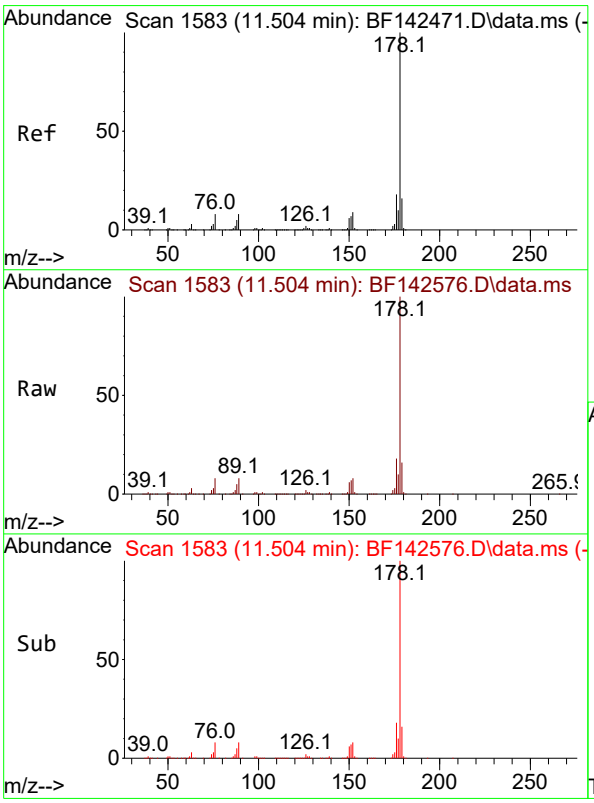
#71
Phenanthrene
Concen: 42.532 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:178 Resp: 863437

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.5	12.3	18.5

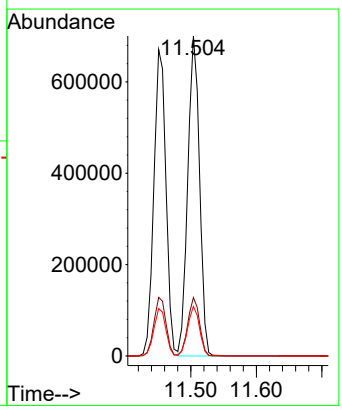


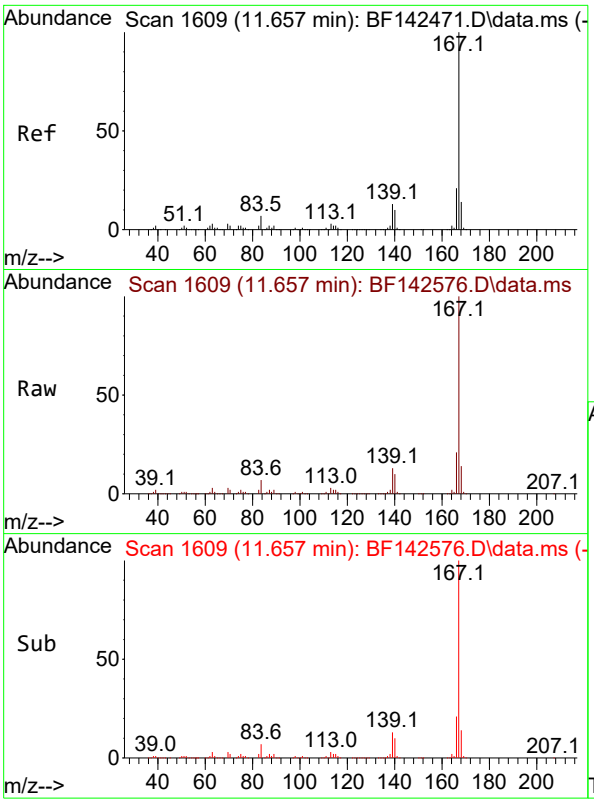


#72
Anthracene
Concen: 42.006 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:178 Resp: 870310

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	15.5	12.4	18.6



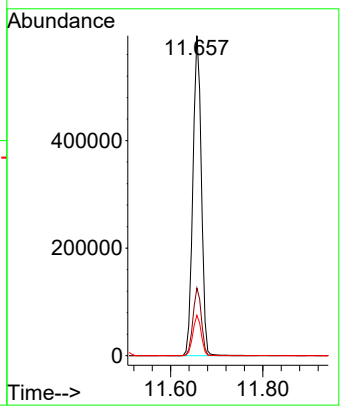


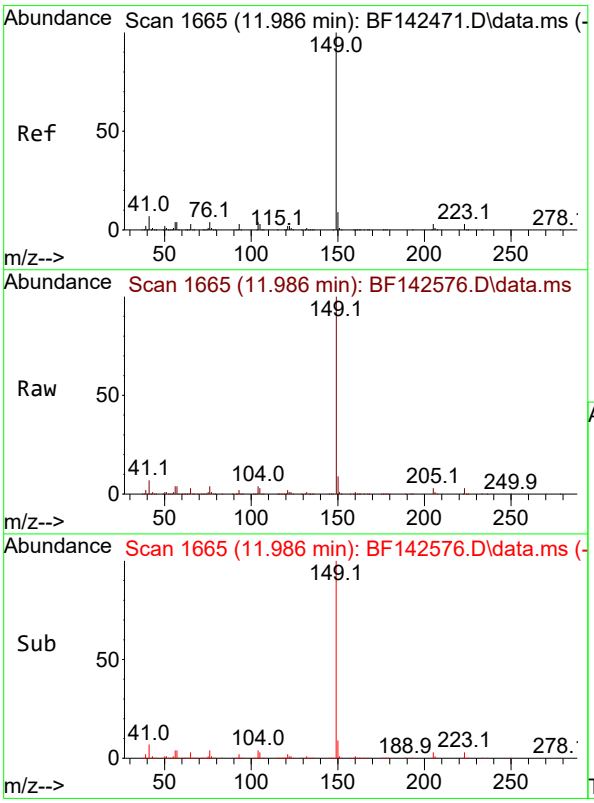
#73
Carbazole
Concen: 42.536 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:167 Resp: 753408

Ion	Ratio	Lower	Upper
167	100		
166	21.2	16.9	25.3
139	12.6	10.2	15.4

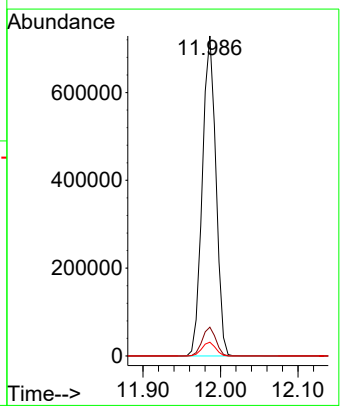


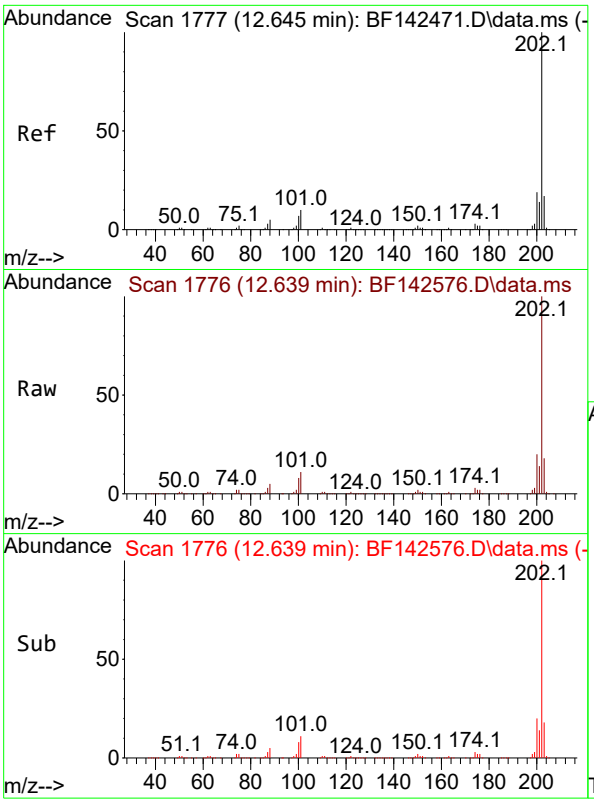


#74
Di-n-butylphthalate
Concen: 45.744 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:149 Resp: 886880

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.3	10.9
104	4.3	3.6	5.4



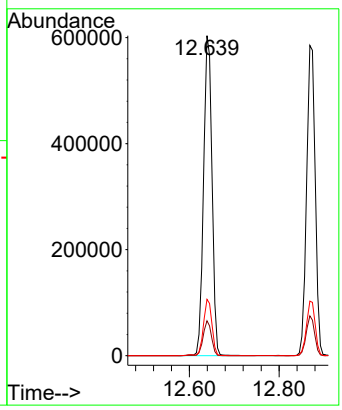


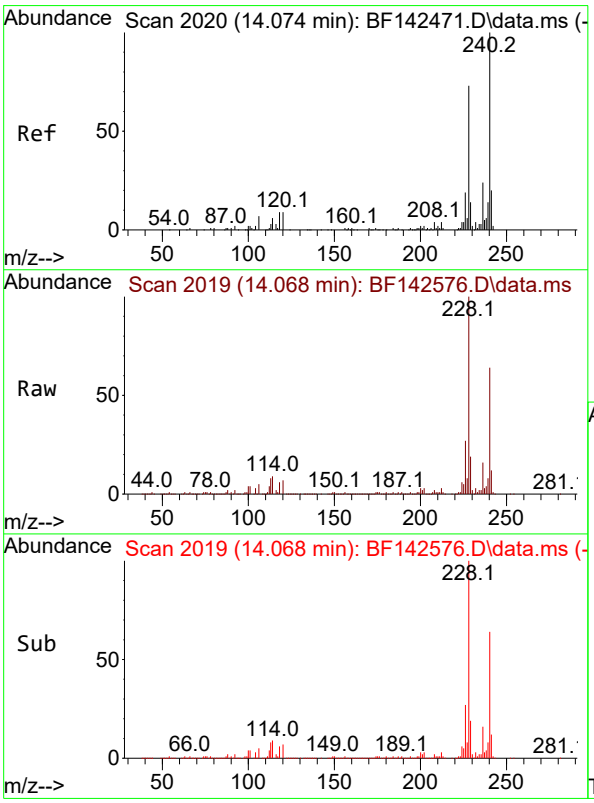
#75
Fluoranthene
Concen: 41.528 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:202 Resp: 787754

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	29.6
203	17.6	0.0	37.2

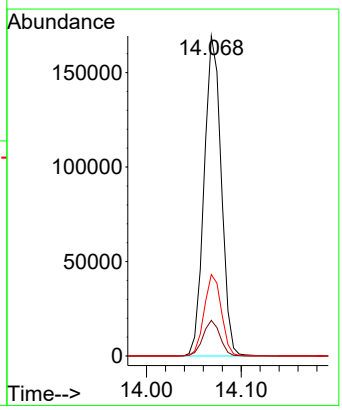


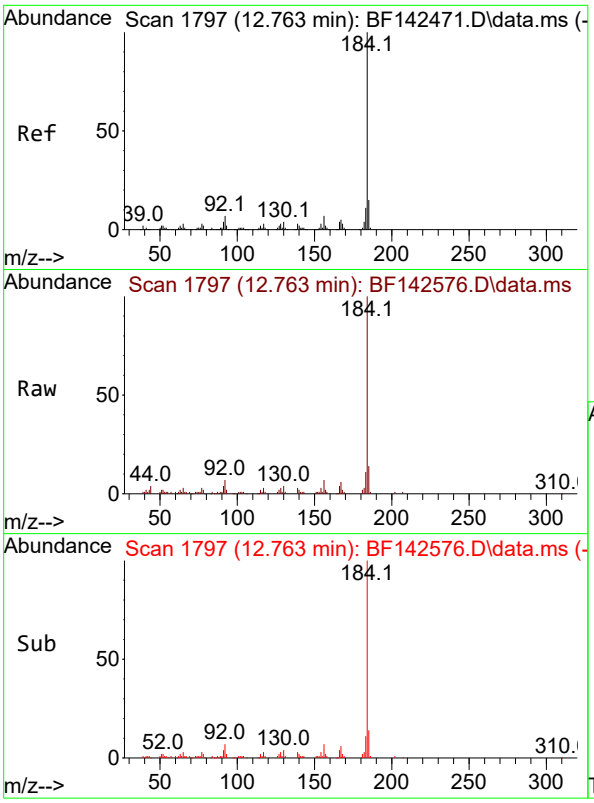


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:240 Resp: 212601

Ion	Ratio	Lower	Upper
240	100		
120	11.2	7.5	11.3
236	25.4	19.6	29.4



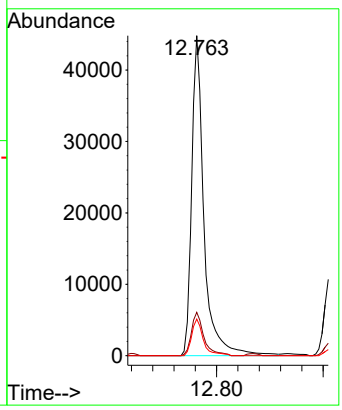


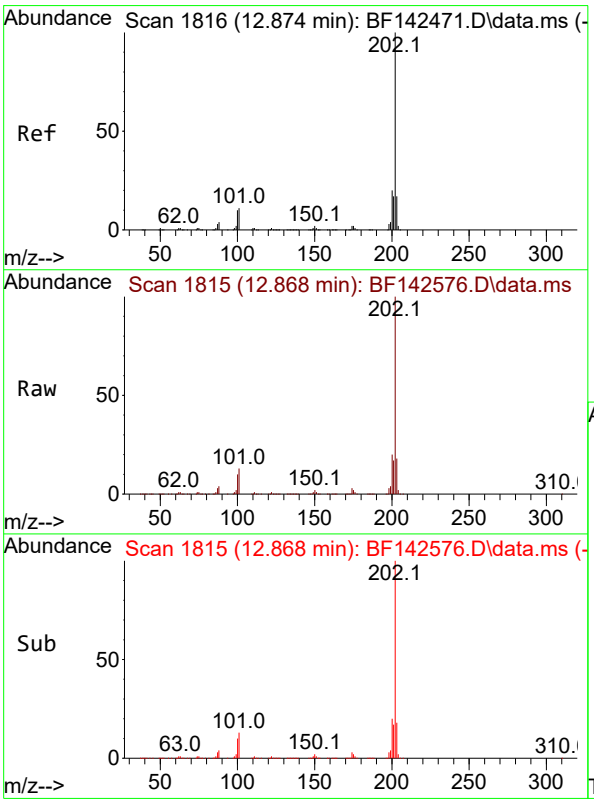
#77
Benzidine
Concen: 9.088 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:184 Resp: 71899

Ion	Ratio	Lower	Upper
184	100		
185	13.6	11.6	17.4
183	11.4	9.0	13.4

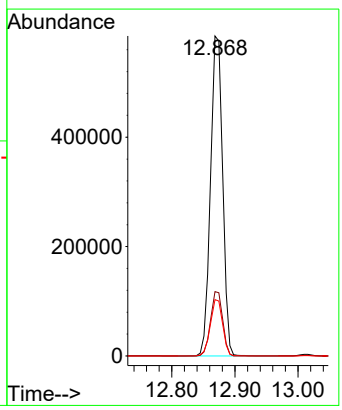


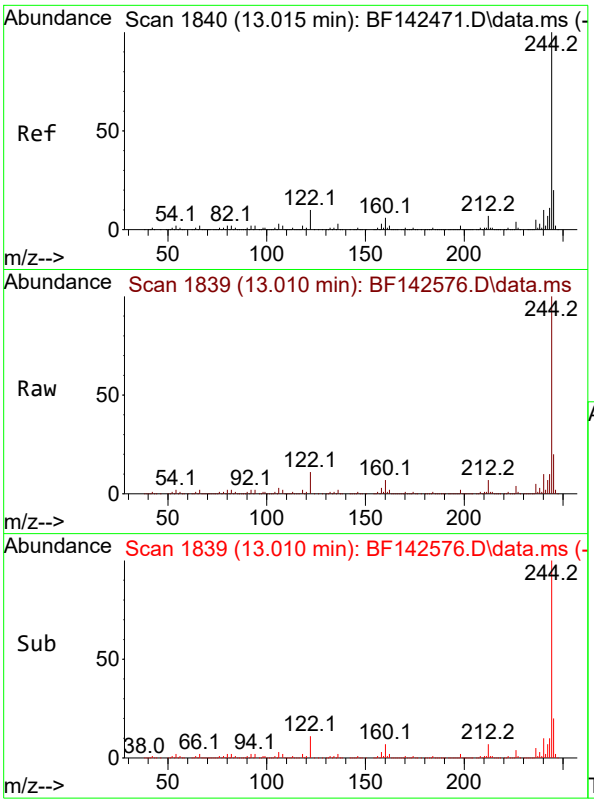


#78
Pyrene
Concen: 39.414 ng
RT: 12.868 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:202 Resp: 781676

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.1	24.1
203	17.6	13.9	20.9



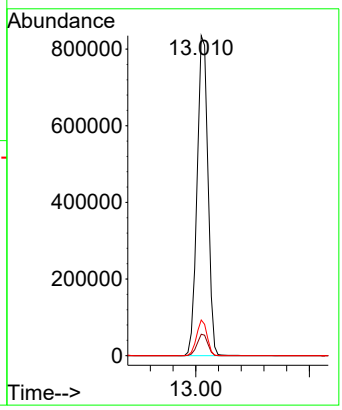


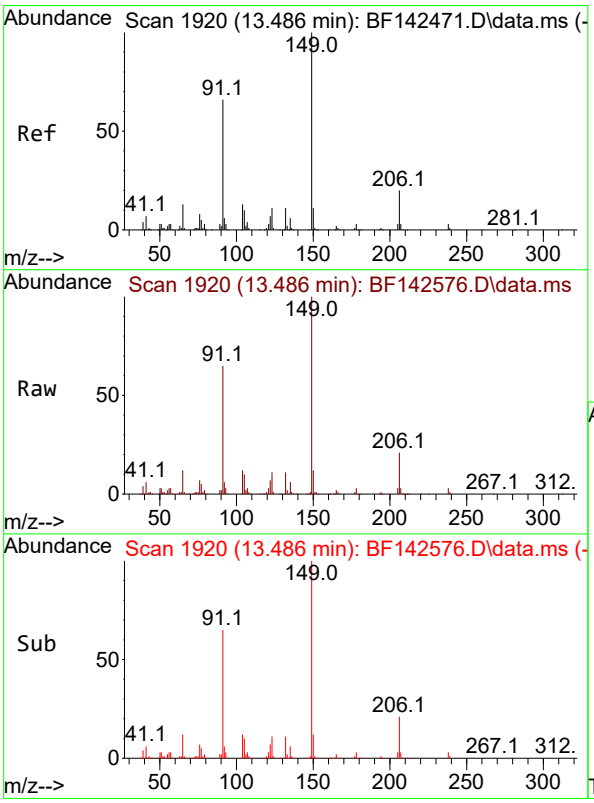
#79
Terphenyl-d14
Concen: 71.523 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:244 Resp: 1112720

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	11.2	8.2	12.2

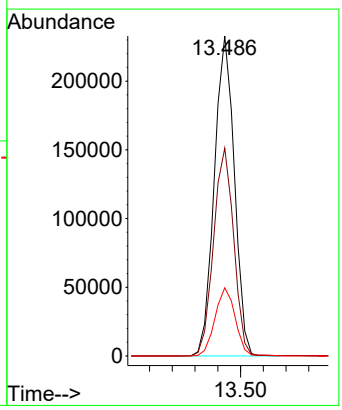


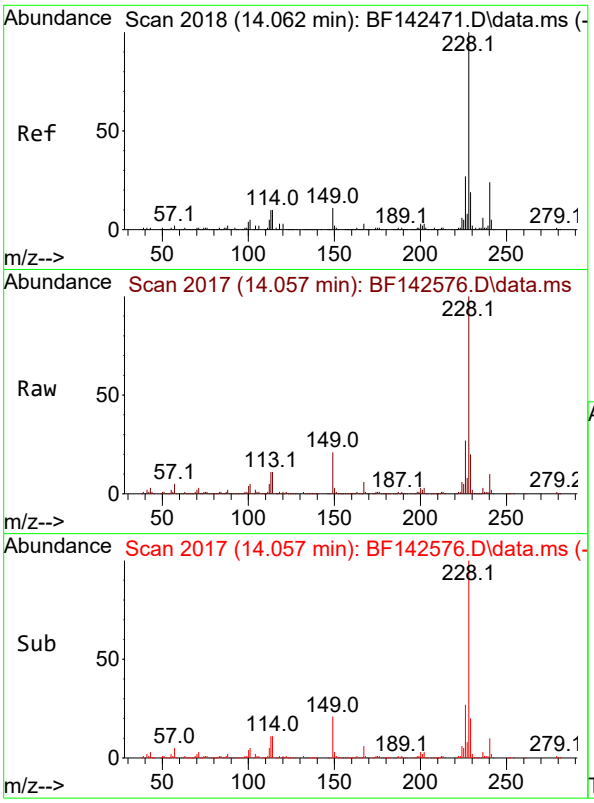


#80
Butylbenzylphthalate
Concen: 52.196 ng
RT: 13.486 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:149 Resp: 286040

Ion	Ratio	Lower	Upper
149	100		
91	64.9	52.9	79.3
206	21.3	16.2	24.2



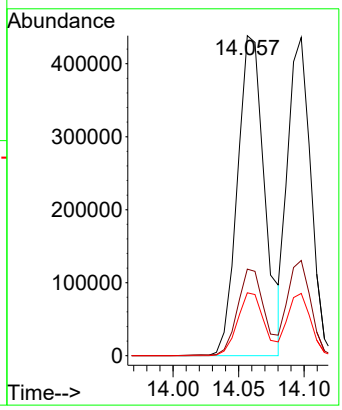


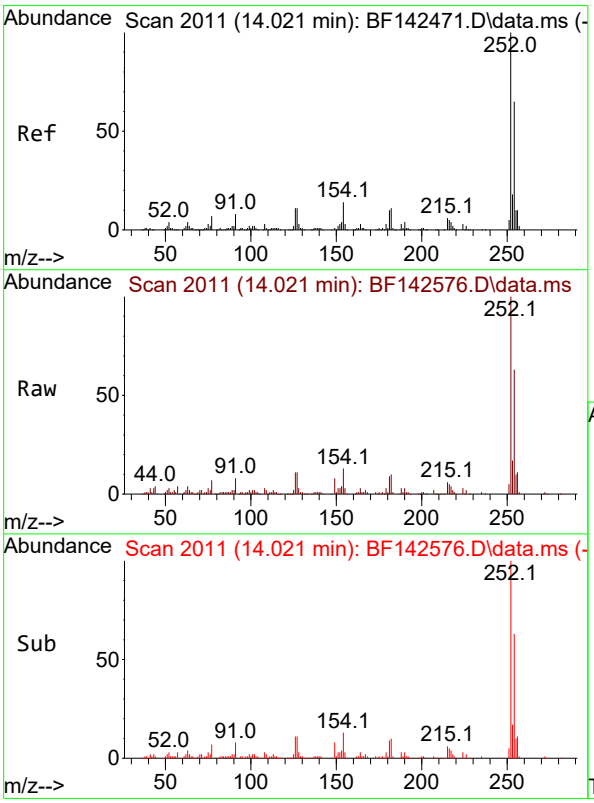
#81
Benzo(a)anthracene
Concen: 44.517 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:228 Resp: 631985

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.2	31.8
229	19.7	15.5	23.3

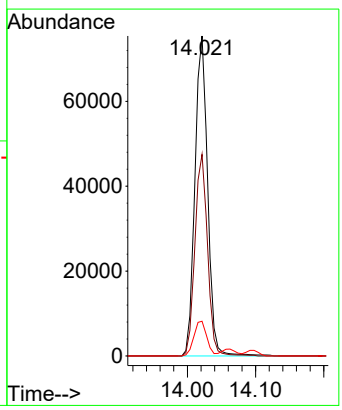


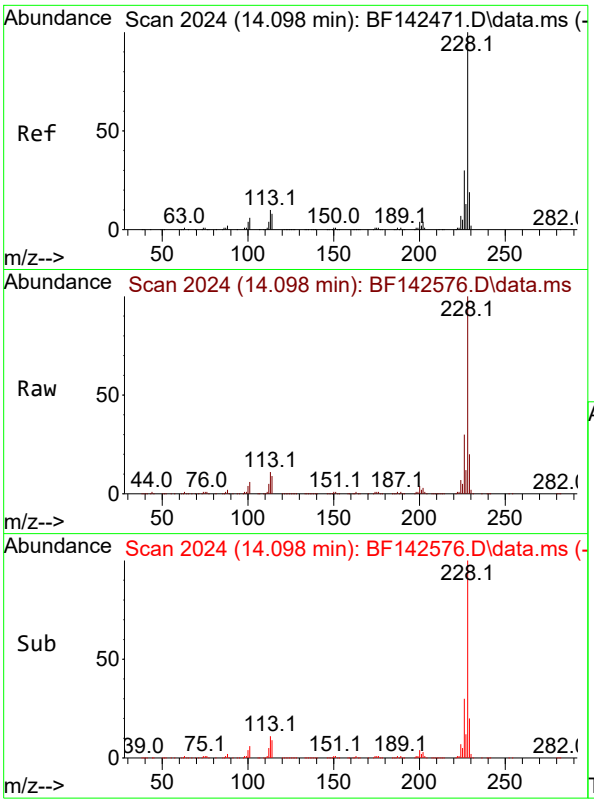


#82
3,3'-Dichlorobenzidine
Concen: 22.571 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:252 Resp: 97190

Ion	Ratio	Lower	Upper
252	100		
254	63.0	52.0	78.0
126	10.9	8.9	13.3



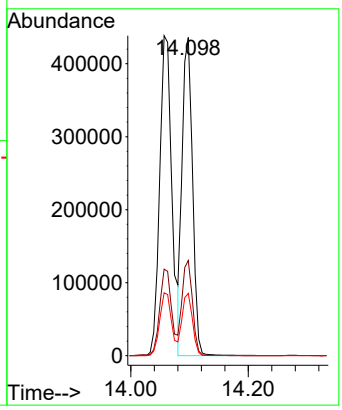


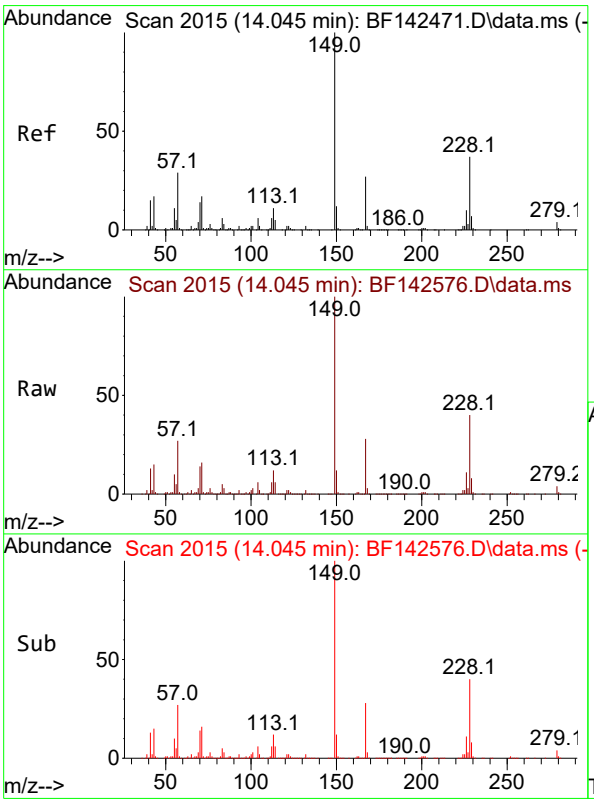
#83
Chrysene
Concen: 41.711 ng
RT: 14.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:228 Resp: 532085

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.6
229	19.6	15.4	23.2

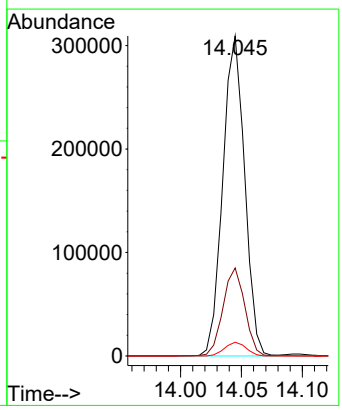


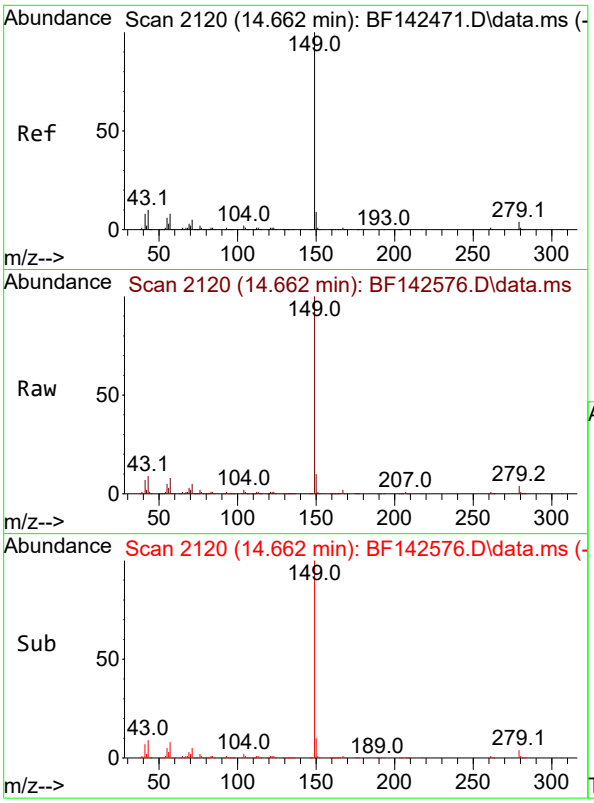


#84
Bis(2-ethylhexyl)phthalate
Concen: 55.079 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:149 Resp: 386398

Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.5	32.3
279	4.3	3.2	4.8



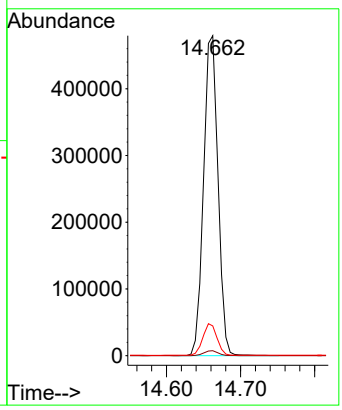


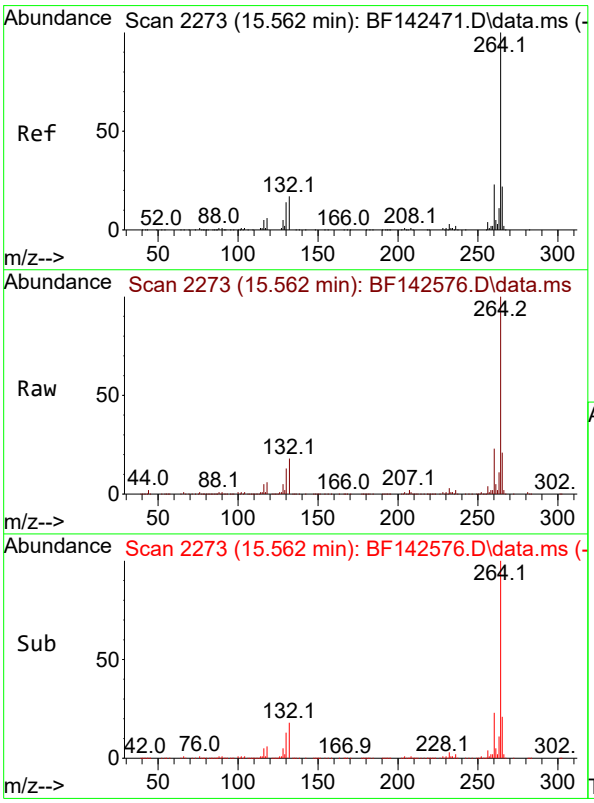
#85
Di-n-octyl phthalate
Concen: 47.358 ng
RT: 14.662 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:149 Resp: 649611

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.6	7.9	11.9

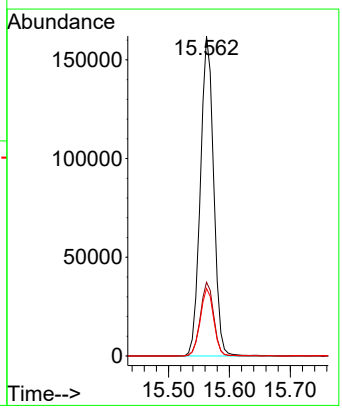


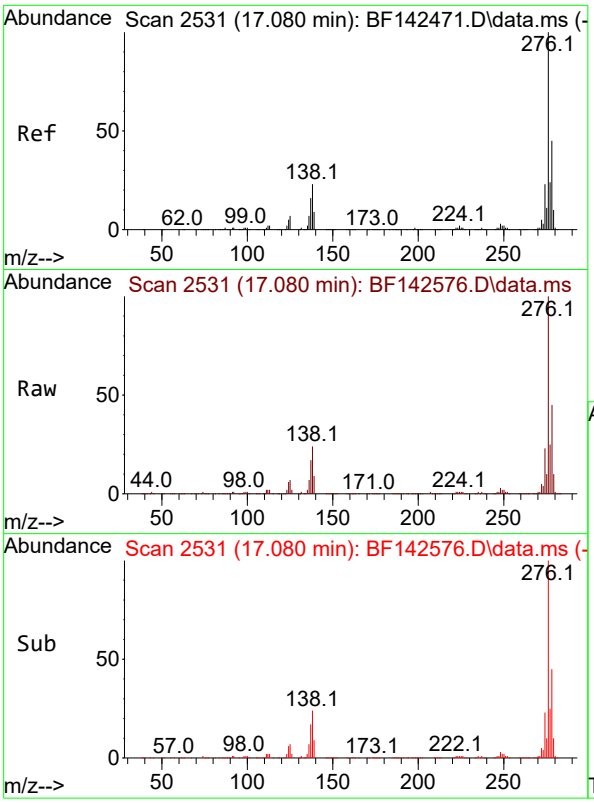


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:264 Resp: 245371

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	21.1	17.7	26.5



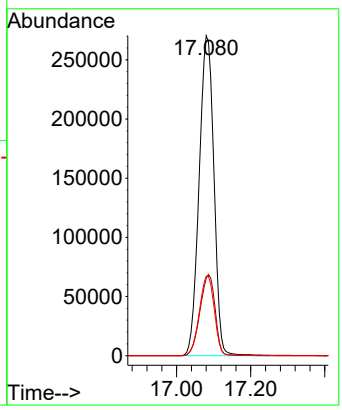


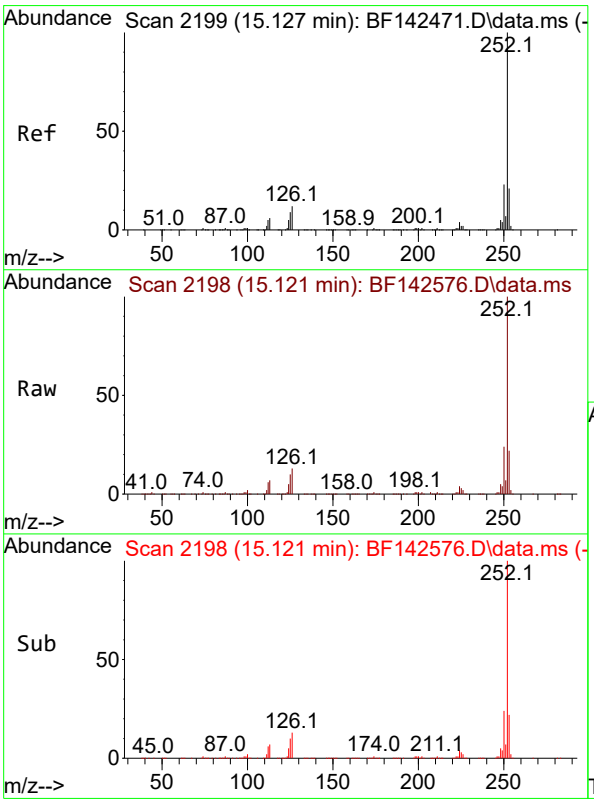
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.605 ng
RT: 17.080 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:276 Resp: 747984

Ion	Ratio	Lower	Upper
276	100		
138	25.8	19.9	29.9
277	25.3	20.2	30.2

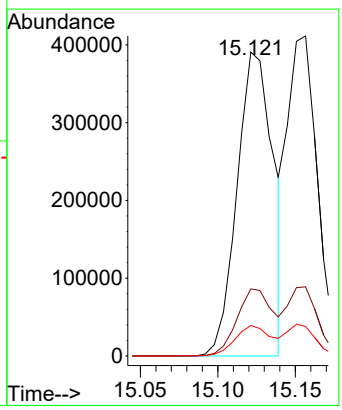


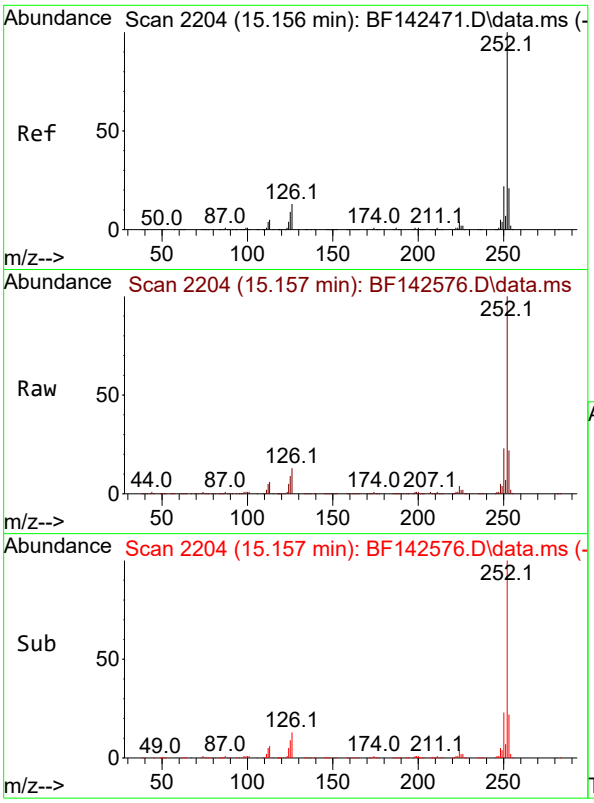


#88
Benzo(b)fluoranthene
Concen: 43.616 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:252 Resp: 633407

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.4
125	10.0	7.4	11.0



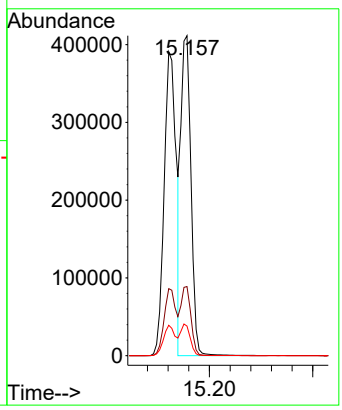


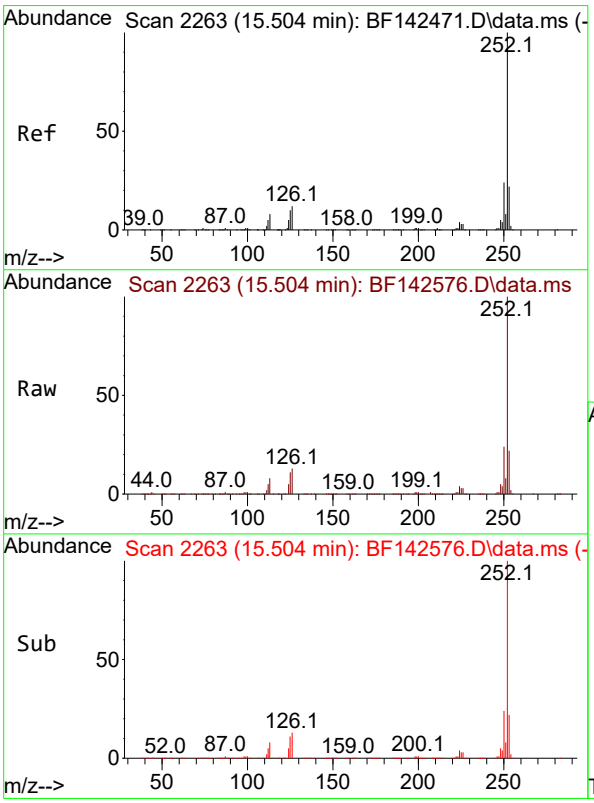
#89
Benzo(k)fluoranthene
Concen: 40.884 ng
RT: 15.157 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:252 Resp: 556087

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.4
125	9.2	7.3	10.9

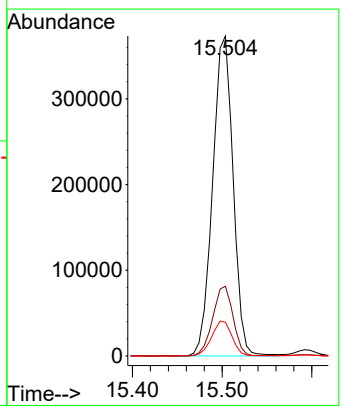


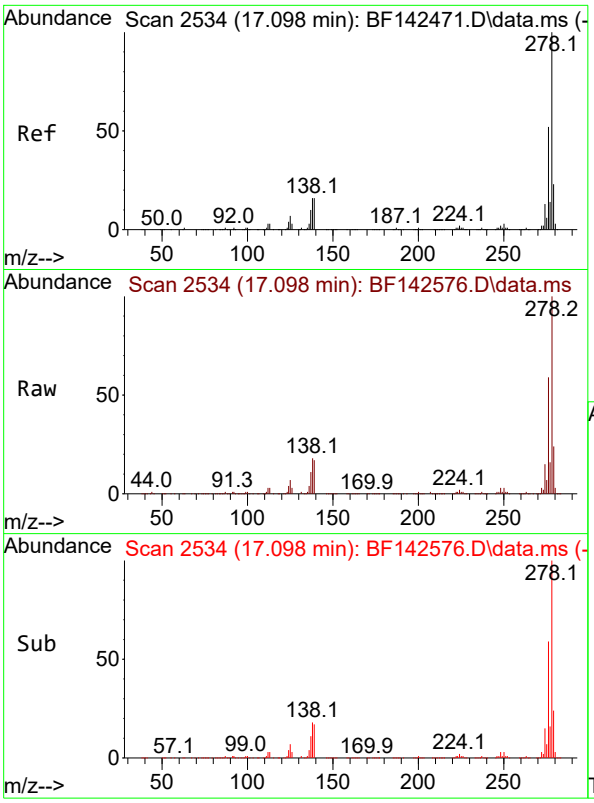


#90
Benzo(a)pyrene
Concen: 43.217 ng
RT: 15.504 min Scan# 2263
Delta R.T. -0.006 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:252 Resp: 591575

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0
125	10.6	7.9	11.9



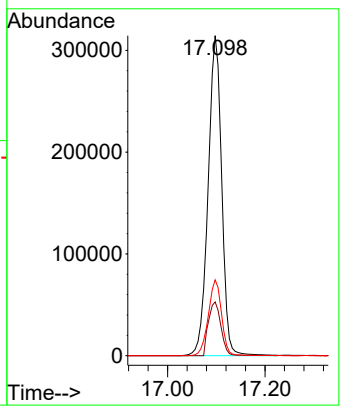


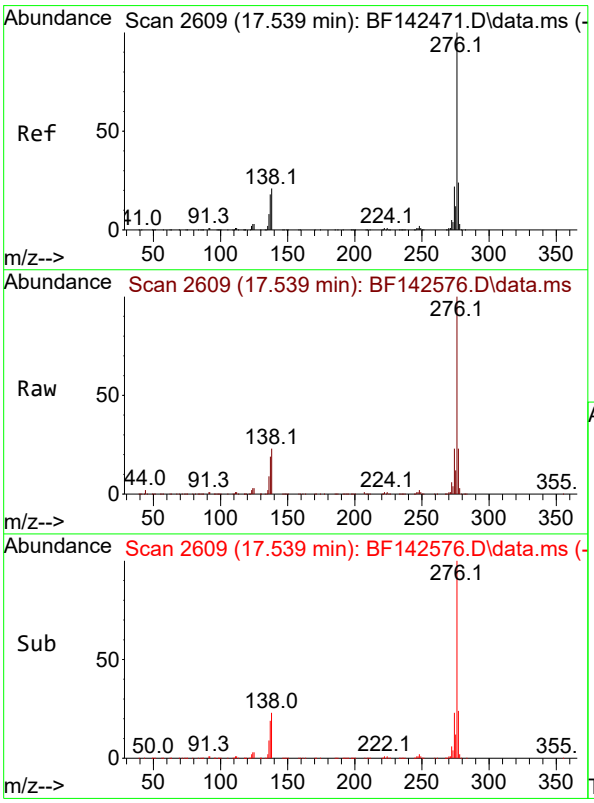
#91
Dibenzo(a,h)anthracene
Concen: 40.635 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Instrument :
BNA_F
ClientSampleId :
OR-646-COMP-52MSD

Tgt Ion:278 Resp: 607103

Ion	Ratio	Lower	Upper
278	100		
139	16.8	12.8	19.2
279	23.7	18.6	28.0

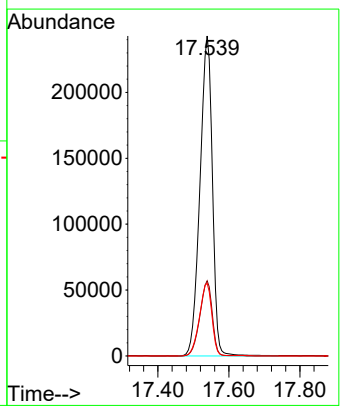




#92
Benzo(g,h,i)perylene
Concen: 39.701 ng
RT: 17.539 min Scan# 2609
Delta R.T. -0.018 min
Lab File: BF142576.D
Acq: 30 May 2025 18:16

Tgt Ion:276 Resp: 593272

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.2	28.8
138	22.7	16.8	25.2



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Manual Integration Report

Sequence:	bf052025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF142469.D	Benzoic acid	Rahul	5/21/2025 2:07:30 PM	Jagrut	5/21/2025 4:43:55 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf053025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2136-05MS	BF142575.D	4-Chloroaniline	Rahul	6/2/2025 9:37:45 AM	Jagrut	6/2/2025 11:12:52 AM	Peak Integrated by Software
Q2136-05MS	BF142575.D	Benzoic acid	Rahul	6/2/2025 9:37:45 AM	Jagrut	6/2/2025 11:12:52 AM	Peak Integrated by Software
Q2136-05MS	BF142575.D	Caprolactam	Rahul	6/2/2025 9:37:45 AM	Jagrut	6/2/2025 11:12:52 AM	Peak Integrated by Software
Q2136-05MSD	BF142576.D	Caprolactam	Rahul	6/2/2025 9:37:49 AM	Jagrut	6/2/2025 11:12:54 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF060225	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168219BS	BF142592.D	Caprolactam	Rahul	6/3/2025 1:29:35 PM			Peak Integrated by Software
Q2149-01	BF142599.D	Benzoic acid	Rahul	6/3/2025 1:29:46 PM			Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF052025

Review By	Rahul	Review On	5/21/2025 2:52:20 PM				
Supervise By	Jagrut	Supervise On	5/21/2025 4:44:06 PM				
SubDirectory	BF052025	HP Acquire Method	BNA_F		HP Processing Method	bf052025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12665,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142465.D	20 May 2025 11:13	RC/JU	Ok
2	SSTDCCC040	BF142466.D	20 May 2025 11:41	RC/JU	Not Ok
3	SSTDICC2.5	BF142467.D	20 May 2025 12:10	RC/JU	Ok
4	SSTDICC005	BF142468.D	20 May 2025 12:38	RC/JU	Ok
5	SSTDICC010	BF142469.D	20 May 2025 13:07	RC/JU	Ok,M
6	SSTDICC020	BF142470.D	20 May 2025 13:36	RC/JU	Ok
7	SSTDICCC040	BF142471.D	20 May 2025 14:05	RC/JU	Ok
8	SSTDICC050	BF142472.D	20 May 2025 14:34	RC/JU	Ok
9	SSTDICC060	BF142473.D	20 May 2025 15:03	RC/JU	Ok
10	SSTDICC080	BF142474.D	20 May 2025 15:31	RC/JU	Ok
11	SSTDICV040	BF142475.D	20 May 2025 16:31	RC/JU	Ok
12	PB168067TB	BF142476.D	20 May 2025 17:29	RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF053025

Review By	Rahul	Review On	6/2/2025 9:40:01 AM				
Supervise By	Jagrut	Supervise On	6/2/2025 11:13:47 AM				
SubDirectory	BF053025	HP Acquire Method	BNA_F			HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142565.D	30 May 2025 12:23	RC/JU	Ok
2	SSTDCCC040	BF142566.D	30 May 2025 13:20	RC/JU	Ok
3	PB168211BL	BF142567.D	30 May 2025 13:49	RC/JU	Ok
4	PB168211BS	BF142568.D	30 May 2025 14:18	RC/JU	Ok,M
5	Q2150-05	BF142569.D	30 May 2025 14:52	RC/JU	Ok
6	Q2150-09	BF142570.D	30 May 2025 15:21	RC/JU	Ok
7	Q2150-09MS	BF142571.D	30 May 2025 15:50	RC/JU	Ok,M
8	Q2150-09MSD	BF142572.D	30 May 2025 16:19	RC/JU	Ok,M
9	Q2151-01	BF142573.D	30 May 2025 16:49	RC/JU	Ok
10	Q2136-05	BF142574.D	30 May 2025 17:18	RC/JU	Ok
11	Q2136-05MS	BF142575.D	30 May 2025 17:47	RC/JU	Ok,M
12	Q2136-05MSD	BF142576.D	30 May 2025 18:16	RC/JU	Ok,M
13	Q2146-04	BF142577.D	30 May 2025 18:46	RC/JU	Ok
14	Q2151-04	BF142578.D	30 May 2025 19:15	RC/JU	Ok,M
15	Q2150-07	BF142579.D	30 May 2025 19:45	RC/JU	Ok
16	Q2150-03	BF142580.D	30 May 2025 20:14	RC/JU	Ok,M
17	Q2150-04	BF142581.D	30 May 2025 20:43	RC/JU	Ok
18	Q2150-10	BF142582.D	30 May 2025 21:13	RC/JU	Ok
19	Q2150-02	BF142583.D	30 May 2025 21:42	RC/JU	Ok,M
20	Q2150-06	BF142584.D	30 May 2025 22:11	RC/JU	Ok,M
21	Q2150-08	BF142585.D	30 May 2025 22:41	RC/JU	Ok,M

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF053025

Review By	Rahul	Review On	6/2/2025 9:40:01 AM				
Supervise By	Jagrut	Supervise On	6/2/2025 11:13:47 AM				
SubDirectory	BF053025	HP Acquire Method	BNA_F		HP Processing Method	bf052025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2150-01	BF142586.D	30 May 2025 23:10	RC/JU	Dilution
23	Q2153-01	BF142587.D	30 May 2025 23:41	RC/JU	Ok,M
24	Q2152-01	BF142588.D	31 May 2025 00:10	RC/JU	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060225

Review By	Rahul	Review On	6/3/2025 1:30:43 PM				
Supervise By		Supervise On					
SubDirectory	BF060225	HP Acquire Method	BNA_F		HP Processing Method	bf052025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142589.D	02 Jun 2025 11:01	RC/JU	Ok
2	SSTDCCC040	BF142590.D	02 Jun 2025 11:30	RC/JU	Ok
3	PB168219BL	BF142591.D	02 Jun 2025 11:59	RC/JU	Ok
4	PB168219BS	BF142592.D	02 Jun 2025 12:28	RC/JU	Ok,NS
5	PB168190TB	BF142593.D	02 Jun 2025 12:57	RC/JU	Ok
6	PB168235BL	BF142594.D	02 Jun 2025 13:26	RC/JU	Ok
7	PB168235BS	BF142595.D	02 Jun 2025 13:54	RC/JU	Ok,NS
8	PB168235BSD	BF142596.D	02 Jun 2025 14:23	RC/JU	Ok,NS
9	Q2134-01	BF142597.D	02 Jun 2025 15:05	RC/JU	Ok
10	Q2150-01DL	BF142598.D	02 Jun 2025 15:34	RC/JU	Ok,NS
11	Q2149-01	BF142599.D	02 Jun 2025 16:03	RC/JU	Dilution
12	Q2149-01DL	BF142600.D	02 Jun 2025 17:11	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF052025

Review By	Rahul	Review On	5/21/2025 2:52:20 PM		
Supervise By	Jagrut	Supervise On	5/21/2025 4:44:06 PM		
SubDirectory	BF052025	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12665,10ul/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	BF142465.D	20 May 2025 11:13		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142466.D	20 May 2025 11:41	Fresh Calibration Required	RC/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BF142467.D	20 May 2025 12:10		RC/JU	Ok
4	SSTDICC005	SSTDICC005	BF142468.D	20 May 2025 12:38	Compound #32,54,85 removed from 5ppm	RC/JU	Ok
5	SSTDICC010	SSTDICC010	BF142469.D	20 May 2025 13:07		RC/JU	Ok,M
6	SSTDICC020	SSTDICC020	BF142470.D	20 May 2025 13:36		RC/JU	Ok
7	SSTDICCC040	SSTDICCC040	BF142471.D	20 May 2025 14:05	This calibration is good for both the methods, 8270E DOD and 625.1.	RC/JU	Ok
8	SSTDICC050	SSTDICC050	BF142472.D	20 May 2025 14:34		RC/JU	Ok
9	SSTDICC060	SSTDICC060	BF142473.D	20 May 2025 15:03		RC/JU	Ok
10	SSTDICC080	SSTDICC080	BF142474.D	20 May 2025 15:31		RC/JU	Ok
11	SSTDICV040	ICVBF052025	BF142475.D	20 May 2025 16:31		RC/JU	Ok
12	PB168067TB	PB168067TB	BF142476.D	20 May 2025 17:29		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF053025

Review By	Rahul	Review On	6/2/2025 9:40:01 AM		
Supervise By	Jagrut	Supervise On	6/2/2025 11:13:47 AM		
SubDirectory	BF053025	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/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	BF142565.D	30 May 2025 12:23		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142566.D	30 May 2025 13:20		RC/JU	Ok
3	PB168211BL	PB168211BL	BF142567.D	30 May 2025 13:49		RC/JU	Ok
4	PB168211BS	PB168211BS	BF142568.D	30 May 2025 14:18		RC/JU	Ok,M
5	Q2150-05	TP-47	BF142569.D	30 May 2025 14:52		RC/JU	Ok
6	Q2150-09	TP-54	BF142570.D	30 May 2025 15:21		RC/JU	Ok
7	Q2150-09MS	TP-54MS	BF142571.D	30 May 2025 15:50		RC/JU	Ok,M
8	Q2150-09MSD	TP-54MSD	BF142572.D	30 May 2025 16:19		RC/JU	Ok,M
9	Q2151-01	WC-1	BF142573.D	30 May 2025 16:49		RC/JU	Ok
10	Q2136-05	OR-646-COMP-52	BF142574.D	30 May 2025 17:18		RC/JU	Ok
11	Q2136-05MS	OR-646-COMP-52MS	BF142575.D	30 May 2025 17:47		RC/JU	Ok,M
12	Q2136-05MSD	OR-646-COMP-52MSD	BF142576.D	30 May 2025 18:16		RC/JU	Ok,M
13	Q2146-04	TP04-MHN-WC	BF142577.D	30 May 2025 18:46		RC/JU	Ok
14	Q2151-04	WC-1	BF142578.D	30 May 2025 19:15		RC/JU	Ok,M
15	Q2150-07	TP-51	BF142579.D	30 May 2025 19:45		RC/JU	Ok
16	Q2150-03	TP-39	BF142580.D	30 May 2025 20:14		RC/JU	Ok,M
17	Q2150-04	TP-48	BF142581.D	30 May 2025 20:43		RC/JU	Ok
18	Q2150-10	TP-53	BF142582.D	30 May 2025 21:13		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF053025

Review By	Rahul	Review On	6/2/2025 9:40:01 AM		
Supervise By	Jagrut	Supervise On	6/2/2025 11:13:47 AM		
SubDirectory	BF053025	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2150-02	TP-42	BF142583.D	30 May 2025 21:42		RC/JU	Ok,M
20	Q2150-06	TP-50	BF142584.D	30 May 2025 22:11		RC/JU	Ok,M
21	Q2150-08	TP-52	BF142585.D	30 May 2025 22:41		RC/JU	Ok,M
22	Q2150-01	TP-44	BF142586.D	30 May 2025 23:10	Need 5X Dilution	RC/JU	Dilution
23	Q2153-01	TR-04-0592025	BF142587.D	30 May 2025 23:41		RC/JU	Ok,M
24	Q2152-01	OK-02-05292025	BF142588.D	31 May 2025 00:10		RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060225

Review By	Rahul	Review On	6/3/2025 1:30:43 PM		
Supervise By		Supervise On			
SubDirectory	BF060225	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/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	BF142589.D	02 Jun 2025 11:01		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142590.D	02 Jun 2025 11:30		RC/JU	Ok
3	PB168219BL	PB168219BL	BF142591.D	02 Jun 2025 11:59		RC/JU	Ok
4	PB168219BS	PB168219BS	BF142592.D	02 Jun 2025 12:28		RC/JU	Ok,NS
5	PB168190TB	PB168190TB	BF142593.D	02 Jun 2025 12:57		RC/JU	Ok
6	PB168235BL	PB168235BL	BF142594.D	02 Jun 2025 13:26		RC/JU	Ok
7	PB168235BS	PB168235BS	BF142595.D	02 Jun 2025 13:54		RC/JU	Ok,NS
8	PB168235BSD	PB168235BSD	BF142596.D	02 Jun 2025 14:23		RC/JU	Ok,NS
9	Q2134-01	MW10	BF142597.D	02 Jun 2025 15:05		RC/JU	Ok
10	Q2150-01DL	TP-44DL	BF142598.D	02 Jun 2025 15:34		RC/JU	Ok,NS
11	Q2149-01	FILTER-CAKE	BF142599.D	02 Jun 2025 16:03	Need 5X Dilution	RC/JU	Dilution
12	Q2149-01DL	FILTER-CAKEDL	BF142600.D	02 Jun 2025 17:11		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168190

SOP ID : M1311-TCLP-16

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1

TCLP Filter ID : 115525

Start Prep Date : 05/29/2025 **Time :** 14:00

End Prep Date : 05/30/2025 **Time :** 08:15

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ JP

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : 12

Standared Name	MLS USED	STD REF. # FROM LOG
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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP112795
HCL-TCLP,1N	N/A	WP112797
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	N/A	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. TUMBLER T-1 checked,30 rpm. q2151-04 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
05/30/25 09:40	JP Prep Room	SLS. RJ / Ext
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168190

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB168190TB	LEB190	10	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-1
Q2102-05	LAW-25-0077	01	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q2136-05	OR-646-COMP-52	02	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q2143-01	ELI-46-36-25-58-53	03	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q2143-02	ELI-57-43-35-26	04	100.02	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q2144-01	OILY-DEBRIS-COMP-A	05	100.01	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2144-02	OILY-DEBRIS-COMP-B	06	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q2146-04	TP04-MHN-WC	07	100.03	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2149-01	FILTER-CAKE	08	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2151-04	WC-1	09	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168190TB	LEB190	N/A	N/A	N/A	N/A	N/A	N/A
Q2102-05	LAW-25-0077	N/A	N/A	N/A	N/A	100	N/A
Q2136-05	OR-646-COMP-52	N/A	N/A	N/A	N/A	100	N/A
Q2143-01	ELI-46-36-25-58-53	N/A	N/A	N/A	N/A	100	N/A
Q2143-02	ELI-57-43-35-26	N/A	N/A	N/A	N/A	100	N/A
Q2144-01	OILY-DEBRIS-COMP-A	N/A	N/A	N/A	N/A	100	N/A
Q2144-02	OILY-DEBRIS-COMP-B	N/A	N/A	N/A	N/A	100	N/A
Q2146-04	TP04-MHN-WC	N/A	N/A	N/A	N/A	100	N/A
Q2149-01	FILTER-CAKE	N/A	N/A	N/A	N/A	100	N/A
Q2151-04	WC-1	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB168190

Hot Block ID : WC S-1 / WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB168190TB	LEB190	N/A	N/A	N/A	N/A	#1	4.94
Q2102-05	LAW-25-0077	5.01	96.5	6.2	2.0	#1	4.94
Q2136-05	OR-646-COMP-52	5.02	96.5	6.0	2.0	#1	4.94
Q2143-01	ELI-46-36-25-58-53	5.01	96.5	7.6	2.5	#1	4.94
Q2143-02	ELI-57-43-35-26	5.03	96.5	7.6	2.5	#1	4.94
Q2144-01	OILY-DEBRIS-COMP-A	5.02	96.5	5.5	1.5	#1	4.94
Q2144-02	OILY-DEBRIS-COMP-B	5.01	96.5	6.0	2.0	#1	4.94
Q2146-04	TP04-MHN-WC	5.02	96.5	5.6	1.5	#1	4.94
Q2149-01	FILTER-CAKE	5.03	96.5	5.5	1.5	#1	4.94
Q2151-04	WC-1	5.03	96.5	6.0	2.0	#1	4.94

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q2151 **WorkList ID :** 189815 **Department :** TCLP Extraction **Date :** 05-29-2025 12:50:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2102-05	LAW-25-0077	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L21	05/21/2025	1311
Q2136-05	OR-646-COMP-52	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/27/2025	1311
Q2143-01	ELI-46-36-25-58-53	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/28/2025	1311
Q2143-02	ELI-57-43-35-26	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/28/2025	1311
Q2144-01	OILY-DEBRIS-COMP-A	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/28/2025	1311
Q2144-02	OILY-DEBRIS-COMP-B	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/28/2025	1311
Q2146-04	TP04-MHN-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/28/2025	1311
Q2149-01	FILTER-CAKE	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/28/2025	1311
Q2151-04	WC-1	Solid	TCLP Extraction	Cool 4 deg C	ARAM01	L31	05/28/2025	1311
Q2151-04	WC-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311

Date/Time 05/29/25 13:15
Raw Sample Received by: JQ WC1
Raw Sample Relinquished by: JTCSM

Date/Time 05/29/25 17:00
Raw Sample Received by: JTCSM
Raw Sample Relinquished by: JQ WC1

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168219

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	05/30/2025
Matrix :	Water			**Extraction Start Time :**	09:52
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	05/30/2025
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	14:55
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	4,6,7	**Supervisor By :**	RUPESH

Extraction Method: [√] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6782
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	E3939
Baked Na2SO4	N/A	EP2614
10N NaoH	N/A	EP2609
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210443. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/30/25	RS (Ext-lab)	RC/SVOC
15:00	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168219

Analytical Method: M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 05/30/2025

Sample ID	Client Sample ID	Test	g /mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168190TB	PB168190TB	TCLP BNA	100	6	RUPESH	ritesh	1			SEP-1
PB168219BL	PB168219BL	TCLP BNA	1000	6	RUPESH	ritesh	1			2
PB168219BS	PB168219BS	TCLP BNA	1000	6	RUPESH	ritesh	1			3
Q2136-05	OR-646-COMP-52	TCLP BNA	100	6	RUPESH	ritesh	1	A		4
Q2136-05MS	OR-646-COMP-52MS	TCLP BNA	100	6	RUPESH	ritesh	1	A		5
Q2136-05MSD	OR-646-COMP-52MSD	TCLP BNA	100	6	RUPESH	ritesh	1	A		6
Q2146-04	TP04-MHN-WC	TCLP BNA	100	6	RUPESH	ritesh	1	A		7
Q2149-01	FILTER-CAKE	TCLP BNA Group1	100	6	RUPESH	ritesh	1	A		8
Q2151-04	WC-1	TCLP BNA	100	6	RUPESH	ritesh	1	A		9

RS
5/30

* **Extracts relinquished on the same date as received.**

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168190

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB168190TB	LEB190	10	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-1
Q2102-05	LAW-25-0077	01	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q2136-05	OR-646-COMP-52	02	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q2143-01	ELI-46-36-25-58-53	03	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q2143-02	ELI-57-43-35-26	04	100.02	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q2144-01	OILY-DEBRIS-COMP-A	05	100.01	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2144-02	OILY-DEBRIS-COMP-B	06	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q2146-04	TP04-MHN-WC	07	100.03	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2149-01	FILTER-CAKE	08	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2151-04	WC-1	09	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1

05/30/25

09:40

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. Q2149
COC Number 2046260

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Aramark Uniforms
ADDRESS: 740 Frelinghuysen Ave
CITY Newark STATE: NJ ZIP: 07114
ATTENTION: Jarrod Mills
PHONE: 973-824-1101 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Monthly
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

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 ICLP Extraction
2 ICLP ICP metals
3 ICLP mercury
4 corrosivity
5 Ignitability
6 Reactive cyanide
7 Reactive Sulfide
8 ICLP VOA Group
9 ICLP BNA Group

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRES 1	PRES 2	PRES 3	PRES 4	PRES 5	PRES 6	PRES 7	PRES 8	PRES 9	COMMENTS
1.	Filter Cake	S		✓	5-28-25	1005	4	✓	✓	✓	✓	✓	✓	✓	✓	✓	
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	5-28-25 1010	1. 5-28-25 1010
2.		2.
3.	5-28-25 1333	3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 5-8 °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

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