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Cover Page

Order ID : Q1478

Project ID : Former Schlumberger STC PTC Site # D3868221

Client : JACOBS Engineering Group, Inc.

Lab Sample Number	Client Sample Number
Q1478-01	IDW-AQ-MW-19B-COMP-022825
Q1478-02	IDW-AQ-DRUM-610-022825
Q1478-03	IDW-AQ-IW-01-COMP-022825
Q1478-04	IDW-AQ-DRUM-616-022825
Q1478-05	IDW-AQ-IW-02-COMP-022825
Q1478-06	IDW-AQ-DRUM-614-022825
Q1478-07	IDW-AQ-IW-03-COMP-022825
Q1478-08	IDW-AQ-DRUM-612-022825
Q1478-13	IDW-SO-COMP-022825
Q1478-14	IDW-SO-COMP-022825
Q1478-15	IDW-SO-DRUM-582-022825
Q1478-16	IDW-SO-DRUM-582-022825

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: 3/8/2025

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 #: **Q1478**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **NILESH PRAJAPATI** **Date:** **03/08/2025**

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LAB CHRONICLE

OrderID:	Q1478	**OrderDate:**	3/3/2025 10:28:22 AM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger STC PTC Site # D3868221
Contact:	John Ynfante	**Location:**	H31,H41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1478-01	**IDW-AQ-MW-19B-COMP-022825**	**Water**			**02/28/25**			**02/28/25**
			SVOC-TCL BNA -20	8270E		03/05/25	03/06/25	
Q1478-03	**IDW-AQ-IW-01-COMP-022825**	**Water**			**02/28/25**			**02/28/25**
			SVOC-TCL BNA -20	8270E		03/05/25	03/06/25	
Q1478-05	**IDW-AQ-IW-02-COMP-022825**	**Water**			**02/28/25**			**02/28/25**
			SVOC-TCL BNA -20	8270E		03/05/25	03/06/25	
Q1478-07	**IDW-AQ-IW-03-COMP-022825**	**Water**			**02/28/25**			**02/28/25**
			SVOC-TCL BNA -20	8270E		03/05/25	03/06/25	
Q1478-13	**IDW-SO-COMP-022825**	**TCLP**			**02/28/25**			**02/28/25**
			TCLP BNA	8270E		03/05/25	03/07/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1478

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
				0.000				
			Total Svoc :			**0.00**		
			Total Concentration:			**0.00**		

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q1478

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB166968TB	PB166968TB	2-Fluorophenol	150	125	83		15 (10)	110 (139)
		Phenol-d6	150	119	79		15 (10)	110 (134)
		Nitrobenzene-d5	100	104	104		30 (49)	130 (133)
		2-Fluorobiphenyl	100	89.6	90		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	185	124	*	15 (44)	110 (137)
		Terphenyl-d14	100	82.8	83		30 (48)	130 (125)
PB167016BL	PB167016BL	2-Fluorophenol	150	129	86		15 (10)	110 (139)
		Phenol-d6	150	122	81		15 (10)	110 (134)
		Nitrobenzene-d5	100	107	107		30 (49)	130 (133)
		2-Fluorobiphenyl	100	94.1	94		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	182	121	*	15 (44)	110 (137)
		Terphenyl-d14	100	84.2	84		30 (48)	130 (125)
PB167016BS	PB167016BS	2-Fluorophenol	150	117	78		15 (10)	110 (139)
		Phenol-d6	150	111	74		15 (10)	110 (134)
		Nitrobenzene-d5	100	96.5	97		30 (49)	130 (133)
		2-Fluorobiphenyl	100	85.6	86		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	166	111	*	15 (44)	110 (137)
		Terphenyl-d14	100	88.5	88		30 (48)	130 (125)
Q1478-13	IDW-SO-COMP-022825	2-Fluorophenol	150	143	95		15 (10)	110 (139)
		Phenol-d6	150	128	85		15 (10)	110 (134)
		Nitrobenzene-d5	100	110	110		30 (49)	130 (133)
		2-Fluorobiphenyl	100	96.5	96		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	197	132	*	15 (44)	110 (137)
		Terphenyl-d14	100	82.1	82		30 (48)	130 (125)
Q1478-13MS	IDW-SO-COMP-022825MS	2-Fluorophenol	150	141	94		15 (10)	110 (139)
		Phenol-d6	150	132	88		15 (10)	110 (134)
		Nitrobenzene-d5	100	117	117		30 (49)	130 (133)
		2-Fluorobiphenyl	100	102	102		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	207	138	*	15 (44)	110 (137)
		Terphenyl-d14	100	87.8	88		30 (48)	130 (125)
Q1478-13MSD	IDW-SO-COMP-022825MSD	2-Fluorophenol	150	130	87		15 (10)	110 (139)
		Phenol-d6	150	127	85		15 (10)	110 (134)
		Nitrobenzene-d5	100	114	114		30 (49)	130 (133)
		2-Fluorobiphenyl	100	104	104		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	205	136	*	15 (44)	110 (137)
		Terphenyl-d14	100	89.6	90		30 (48)	130 (125)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1478

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1478-13MS		**Client Sample ID: IDW-SO-COMP-022825MS**						**DataFile: BF141887.D**			
Pyridine	500	0	250	ug/L	50				20 (10)	160 (109)	
1,4-Dichlorobenzene	500	0	350	ug/L	70				70 (55)	130 (125)	
2-Methylphenol	500	0	440	ug/L	88				70 (60)	130 (131)	
3+4-Methylphenols	500	0	460	ug/L	92				20 (54)	160 (136)	
Hexachloroethane	500	0	340	ug/L	68				20 (19)	160 (146)	
Nitrobenzene	500	0	460	ug/L	92				70 (62)	130 (112)	
Hexachlorobutadiene	500	0	410	ug/L	82				70 (52)	130 (125)	
2,4,6-Trichlorophenol	500	0	490	ug/L	98				70 (78)	130 (112)	
2,4,5-Trichlorophenol	500	0	530	ug/L	106				70 (71)	130 (111)	
2,4-Dinitrotoluene	500	0	620	ug/L	124				70 (74)	130 (137)	
Hexachlorobenzene	500	0	500	ug/L	100				70 (72)	130 (115)	
Pentachlorophenol	1000	0	1100	ug/L	110				20 (52)	160 (162)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1478

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1478-13MSD		**Client Sample ID: IDW-SO-COMP-022825MSD**						**DataFile: BF141888.D**			
Pyridine	500	0	230	ug/L	46		8		20 (10)	160 (109)	20 (20)
1,4-Dichlorobenzene	500	0	340	ug/L	68	*	3		70 (55)	130 (125)	20 (20)
2-Methylphenol	500	0	430	ug/L	86		2		70 (60)	130 (131)	20 (20)
3+4-Methylphenols	500	0	450	ug/L	90		2		20 (54)	160 (136)	20 (20)
Hexachloroethane	500	0	330	ug/L	66		3		20 (19)	160 (146)	20 (20)
Nitrobenzene	500	0	450	ug/L	90		2		70 (62)	130 (112)	20 (20)
Hexachlorobutadiene	500	0	390	ug/L	78		5		70 (52)	130 (125)	20 (20)
2,4,6-Trichlorophenol	500	0	510	ug/L	102		4		70 (78)	130 (112)	20 (20)
2,4,5-Trichlorophenol	500	0	540	ug/L	108		2		70 (71)	130 (111)	20 (20)
2,4-Dinitrotoluene	500	0	600	ug/L	120		3		70 (74)	130 (137)	20 (20)
Hexachlorobenzene	500	0	480	ug/L	96		4		70 (72)	130 (115)	20 (20)
Pentachlorophenol	1000	0	1000	ug/L	100		10		20 (52)	160 (162)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1478

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E **DataFile:** BF141884.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167016BS	Pyridine	50	32.7	ug/L	65				20 (29)	160 (97)	
	1,4-Dichlorobenzene	50	39.2	ug/L	78				70 (76)	130 (103)	
	2-Methylphenol	50	38.5	ug/L	77				70 (69)	130 (109)	
	3+4-Methylphenols	50	39.2	ug/L	78				20 (67)	160 (106)	
	Hexachloroethane	50	38.9	ug/L	78				20 (76)	160 (118)	
	Nitrobenzene	50	42.0	ug/L	84				70 (58)	130 (106)	
	Hexachlorobutadiene	50	41.5	ug/L	83				70 (69)	130 (101)	
	2,4,6-Trichlorophenol	50	41.6	ug/L	83				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	43.8	ug/L	88				70 (70)	130 (106)	
	2,4-Dinitrotoluene	50	51.9	ug/L	104				70 (60)	130 (115)	
	Hexachlorobenzene	50	43.6	ug/L	87				70 (73)	130 (106)	
	Pentachlorophenol	100	91.7	ug/L	92				20 (47)	160 (114)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167016BL

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1478 SAS No.: Q1478 SDG NO.: Q1478

Lab File ID: BF141883.D Lab Sample ID: PB167016BL

Instrument ID: BNA_F Date Extracted: 03/05/2025

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

Level: (low/med) LOW Time Analyzed: 09:26

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167016BS	PB167016BS	BF141884.D	03/07/2025
IDW-SO-COMP-022825	Q1478-13	BF141886.D	03/07/2025
IDW-SO-COMP-022825MS	Q1478-13MS	BF141887.D	03/07/2025
IDW-SO-COMP-022825MSD	Q1478-13MSD	BF141888.D	03/07/2025
PB166968TB	PB166968TB	BF141885.D	03/07/2025

COMMENTS:

Alliance TECHNICAL GROUP
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: Q1478 SDG NO.: Q1478

Lab File ID: BF141792.D DFTPP Injection Date: 02/27/2025

Instrument ID: BNA_F DFTPP Injection Time: 14:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.9
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	34.9
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	46.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	27.6
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	14.6
442	Greater than 50% of mass 198	93.2
443	15.0 - 24.0% of mass 442	18.1 (19.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF141793.D	02/27/2025	15:17
SSTDICC005	SSTDICC005	BF141794.D	02/27/2025	15:46
SSTDICC010	SSTDICC010	BF141795.D	02/27/2025	16:16
SSTDICC020	SSTDICC020	BF141796.D	02/27/2025	16:46
SSTDICCC040	SSTDICCC040	BF141797.D	02/27/2025	17:16
SSTDICC050	SSTDICC050	BF141798.D	02/27/2025	17:46
SSTDICC060	SSTDICC060	BF141799.D	02/27/2025	18:15
SSTDICC080	SSTDICC080	BF141800.D	02/27/2025	18:45

Alliance TECHNICAL GROUP
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: Q1478 SDG NO.: Q1478

Lab File ID: BF141881.D DFTPP Injection Date: 03/07/2025

Instrument ID: BNA_F DFTPP Injection Time: 08:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.6
68	Less than 2.0% of mass 69	0.6 (2) 1
69	Mass 69 relative abundance	31.6
70	Less than 2.0% of mass 69	0.2 (0.8) 1
127	10.0 - 80.0% of mass 198	44.2
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	28.3
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (19.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141882.D	03/07/2025	08:56
PB167016BL	PB167016BL	BF141883.D	03/07/2025	09:26
PB167016BS	PB167016BS	BF141884.D	03/07/2025	09:55
PB166968TB	PB166968TB	BF141885.D	03/07/2025	10:24
IDW-SO-COMP-022825	Q1478-13	BF141886.D	03/07/2025	11:00
IDW-SO-COMP-022825MS	Q1478-13MS	BF141887.D	03/07/2025	11:29
IDW-SO-COMP-022825MSD	Q1478-13MSD	BF141888.D	03/07/2025	11:59

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1478 SAS No.: Q1478 SDG NO.: Q1478

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/07/2025

Lab File ID: BF141882.D Time Analyzed: 08:56

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	205331	6.887	782990	8.17	424782	9.92
	UPPER LIMIT	410662	7.387	1565980	8.669	849564	10.422
	LOWER LIMIT	102666	6.387	391495	7.669	212391	9.422
	EPA SAMPLE NO.						
01	PB167016BL	178277	6.88	706438	8.16	393220	9.92
02	PB167016BS	179491	6.89	716894	8.16	419936	9.92
03	PB166968TB	182324	6.88	717993	8.16	414320	9.92
04	IDW-SO-COMP-022825	139514	6.89	591635	8.16	324386	9.92
05	IDW-SO-COMP-022825MS	144619	6.89	567805	8.16	313240	9.92
06	IDW-SO-COMP-022825MSD	145924	6.89	573463	8.16	303593	9.92

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1478 SAS No.: Q1478 SDG NO.: Q1478

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/07/2025

Lab File ID: BF141882.D Time Analyzed: 08:56

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	725251	11.404	490278	14.045	391726	15.516
	UPPER LIMIT	1450500	11.904	980556	14.545	783452	16.016
	LOWER LIMIT	362626	10.904	245139	13.545	195863	15.016
	EPA SAMPLE NO.						
01	PB167016BL	712186	11.40	610478	14.04	476523	15.51
02	PB167016BS	730268	11.40	514866	14.05	393279	15.52
03	PB166968TB	782696	11.40	660246	14.04	509683	15.51
04	IDW-SO-COMP-022825	557994	11.40	543144	14.04	421768	15.51
05	IDW-SO-COMP-022825MS	556123	11.40	435055	14.05	343670	15.51
06	IDW-SO-COMP-022825MSD	568957	11.40	412687	14.04	369642	15.51

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: **BF141885.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	03/05/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	03/05/25
Client Sample ID:	PB166968TB	SDG No.:	Q1478
Lab Sample ID:	PB166968TB	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF141885.D	1	03/05/25 13:00	03/07/25 10:24	PB167016

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	125		15 (10) - 110 (139)	83%	SPK: 150
13127-88-3	Phenol-d6	119		15 (10) - 110 (134)	79%	SPK: 150
4165-60-0	Nitrobenzene-d5	104		30 (49) - 130 (133)	104%	SPK: 100
321-60-8	2-Fluorobiphenyl	89.6		30 (52) - 130 (132)	90%	SPK: 100
118-79-6	2,4,6-Tribromophenol	185	*	15 (44) - 110 (137)	124%	SPK: 150
1718-51-0	Terphenyl-d14	82.8		30 (48) - 130 (125)	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	182000	6.881			
1146-65-2	Naphthalene-d8	718000	8.163			
15067-26-2	Acenaphthene-d10	414000	9.916			
1517-22-2	Phenanthrene-d10	783000	11.404			
1719-03-5	Chrysene-d12	660000	14.039			
1520-96-3	Perylene-d12	510000	15.509			

Raw Data: **BF141885.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	03/05/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	03/05/25
Client Sample ID:	PB166968TB	SDG No.:	Q1478
Lab Sample ID:	PB166968TB	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF141885.D	1	03/05/25 13:00	03/07/25 10:24	PB167016

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\BF030725\
Data File : BF141885.D
Acq On : 07 Mar 2025 10:24
Operator : RC/JU
Sample : PB166968TB
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166968TB

Quant Time: Mar 07 11:17:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

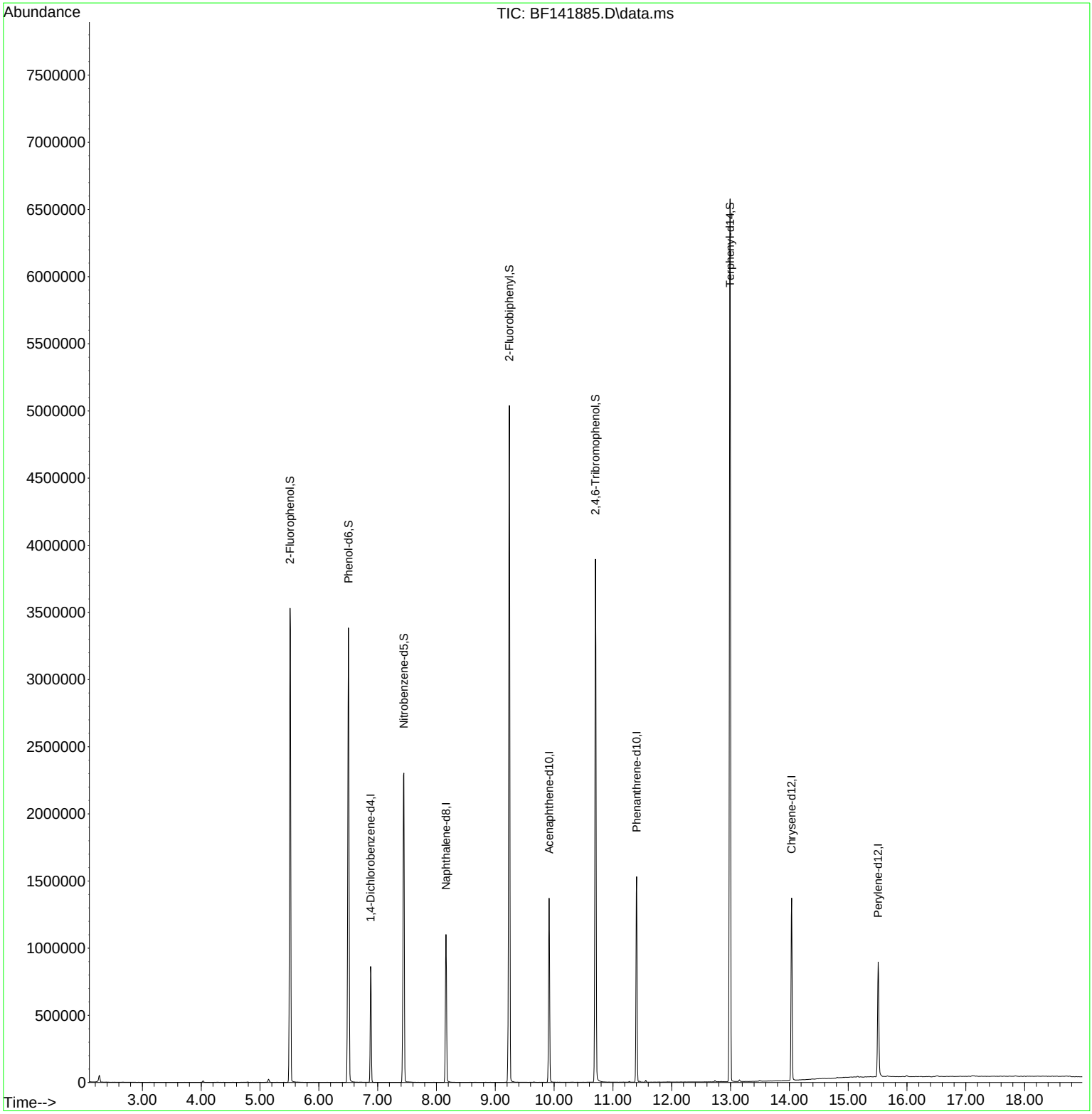
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	182324	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	717993	20.000	ng	#-0.01
39) Acenaphthene-d10	9.916	164	414320	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	782696	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	660246	20.000	ng	-0.01
86) Perylene-d12	15.509	264	509683	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1425570	124.867	ng	0.01
7) Phenol-d6	6.504	99	1763763	118.693	ng	0.00
23) Nitrobenzene-d5	7.445	82	1168595	104.035	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	721480	185.484	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	2314579	89.576	ng	0.00
79) Terphenyl-d14	12.992	244	3380701	82.843	ng	0.00
Target Compounds						Qvalue

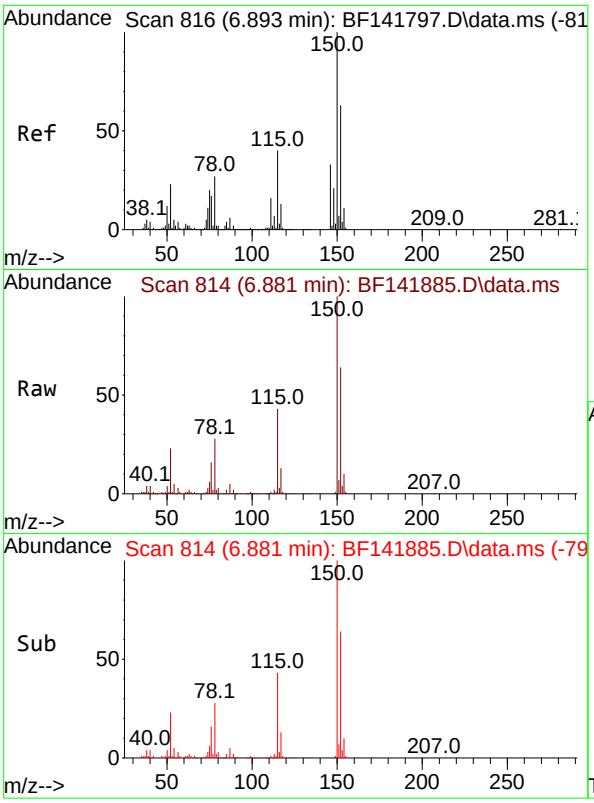
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141885.D
Acq On : 07 Mar 2025 10:24
Operator : RC/JU
Sample : PB166968TB
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166968TB

Quant Time: Mar 07 11:17:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration



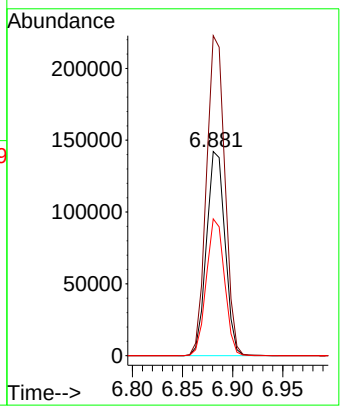


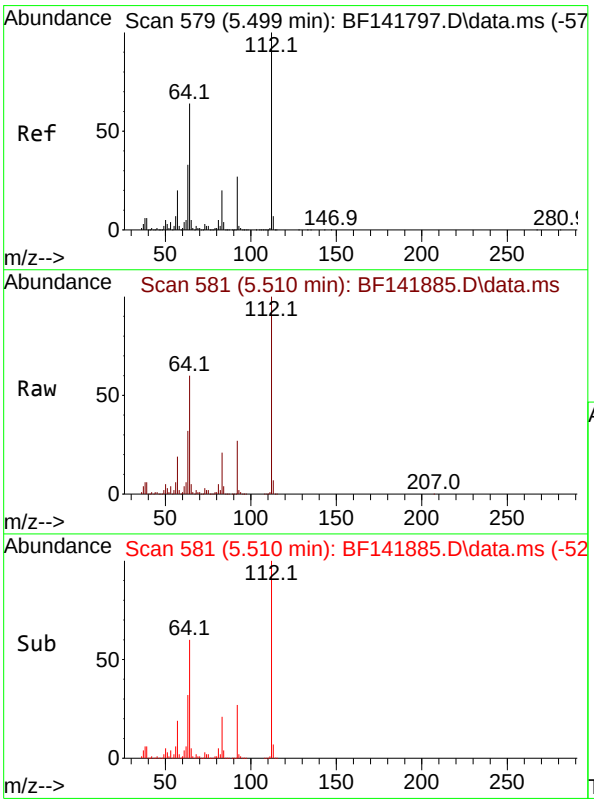
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141885.D
Acq: 07 Mar 2025 10:24

Instrument :
BNA_F
ClientSampleId :
PB166968TB

Tgt Ion:152 Resp: 182324

Ion	Ratio	Lower	Upper
152	100		
150	156.7	127.5	191.3
115	67.0	51.4	77.2

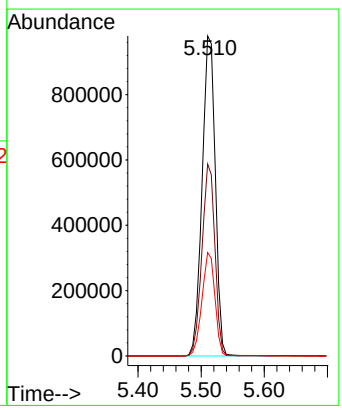


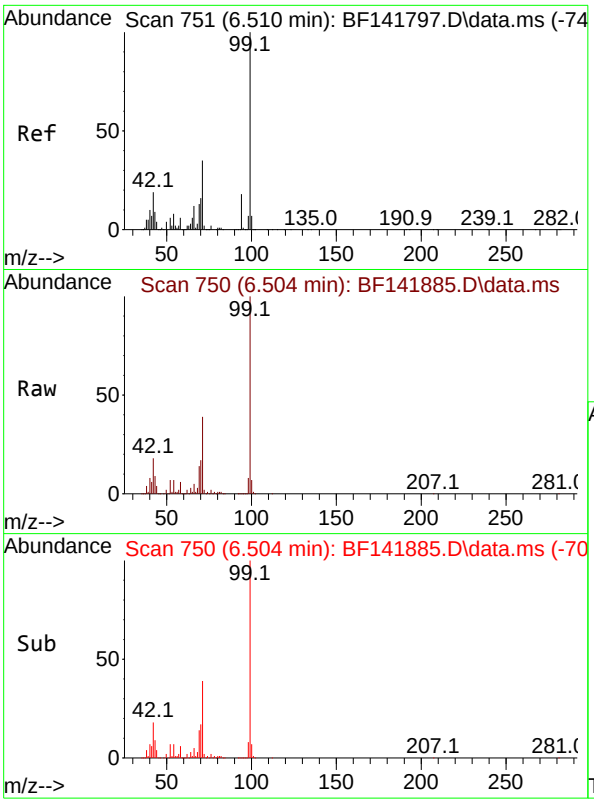


#5
2-Fluorophenol
Concen: 124.867 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF141885.D
Acq: 07 Mar 2025 10:24

Tgt Ion:112 Resp: 1425570

Ion	Ratio	Lower	Upper
112	100		
64	60.0	51.3	76.9
63	32.3	26.2	39.4



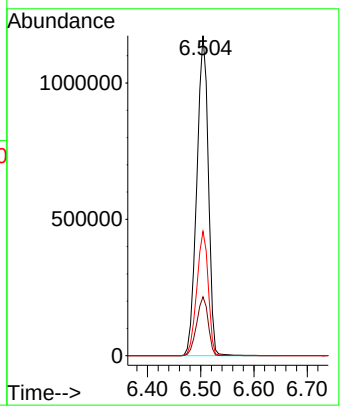


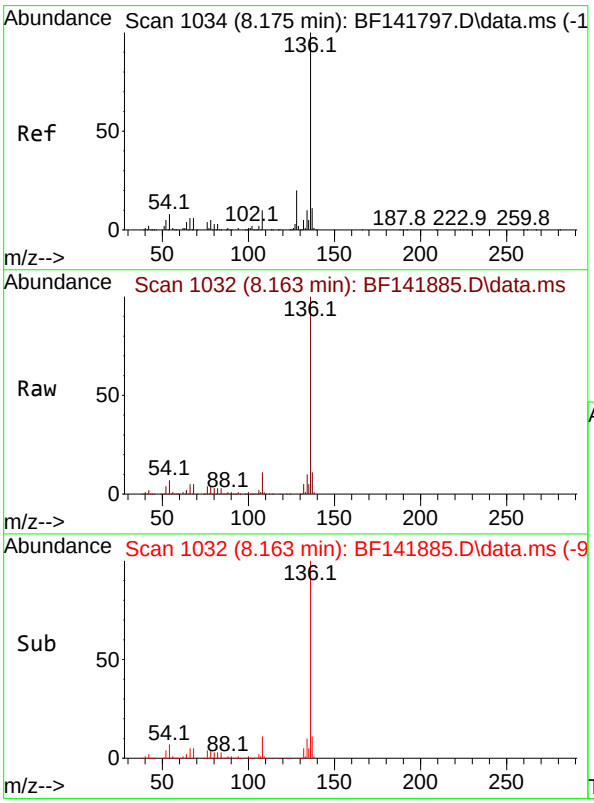
#7
Phenol-d6
Concen: 118.693 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141885.D
Acq: 07 Mar 2025 10:24

Instrument :
BNA_F
ClientSampleId :
PB166968TB

Tgt Ion: 99 Resp: 1763763

Ion	Ratio	Lower	Upper
99	100		
42	18.4	15.2	22.8
71	38.8	28.2	42.2

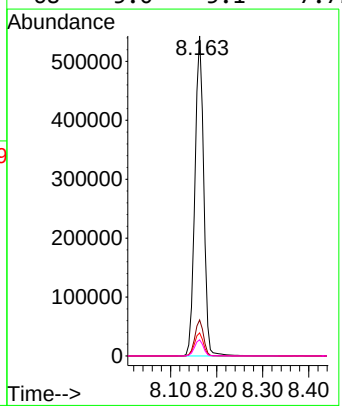


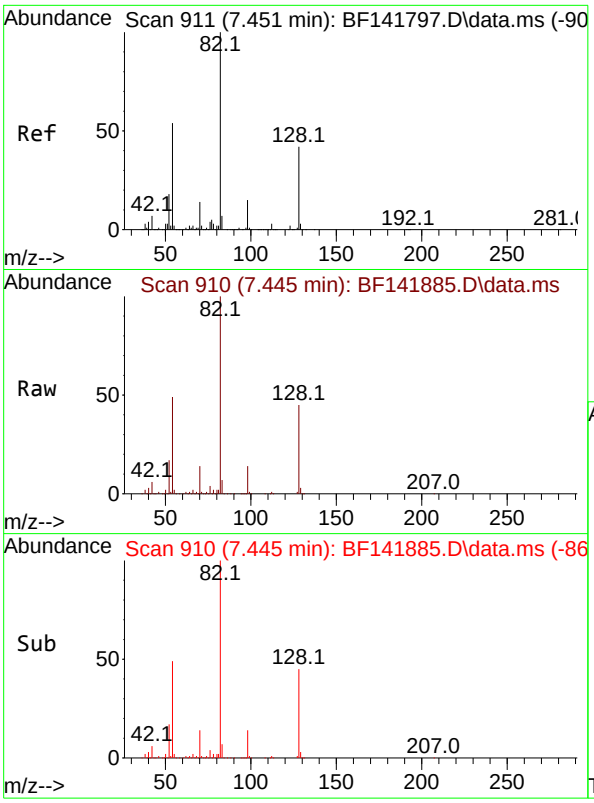


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141885.D
Acq: 07 Mar 2025 10:24

Tgt Ion:136 Resp: 717993

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.2	6.9	10.3
68	5.0	5.1	7.7#



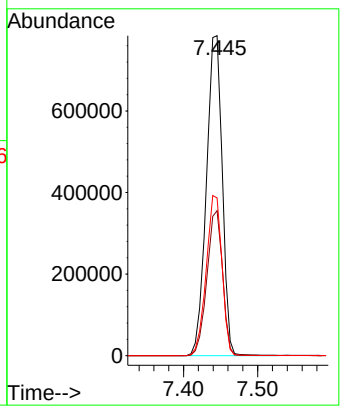


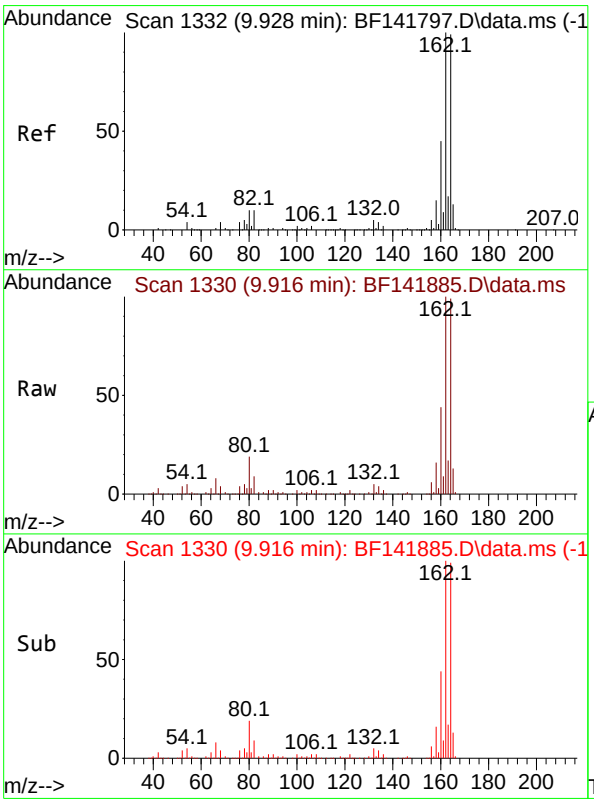
#23
Nitrobenzene-d5
Concen: 104.035 ng
RT: 7.445 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141885.D
Acq: 07 Mar 2025 10:24

Instrument :
BNA_F
ClientSampleId :
PB166968TB

Tgt Ion: 82 Resp: 1168595

Ion	Ratio	Lower	Upper
82	100		
128	45.3	33.5	50.3
54	49.3	42.7	64.1

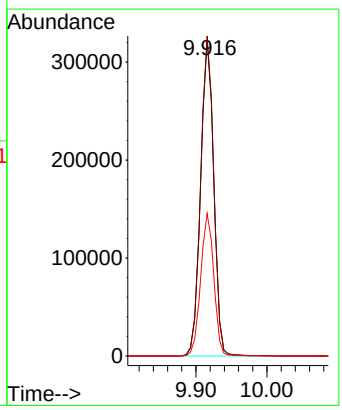


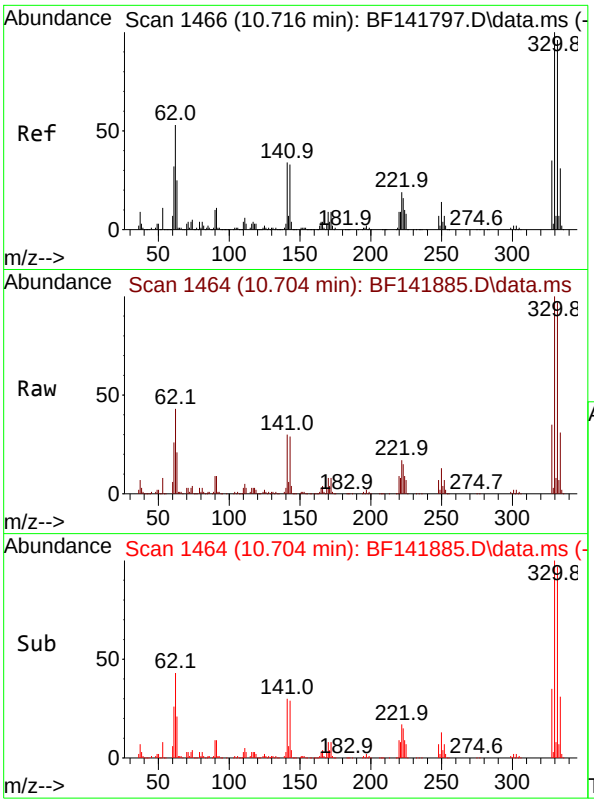


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.012 min
Lab File: BF141885.D
Acq: 07 Mar 2025 10:24

Tgt Ion:164 Resp: 414320

Ion	Ratio	Lower	Upper
164	100		
162	101.4	80.6	120.8
160	45.1	36.3	54.5



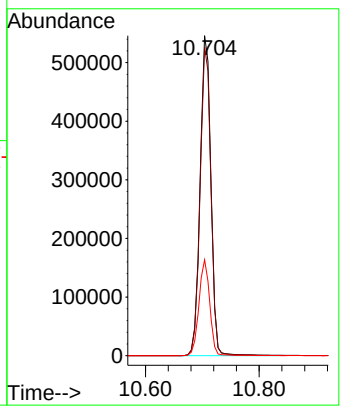


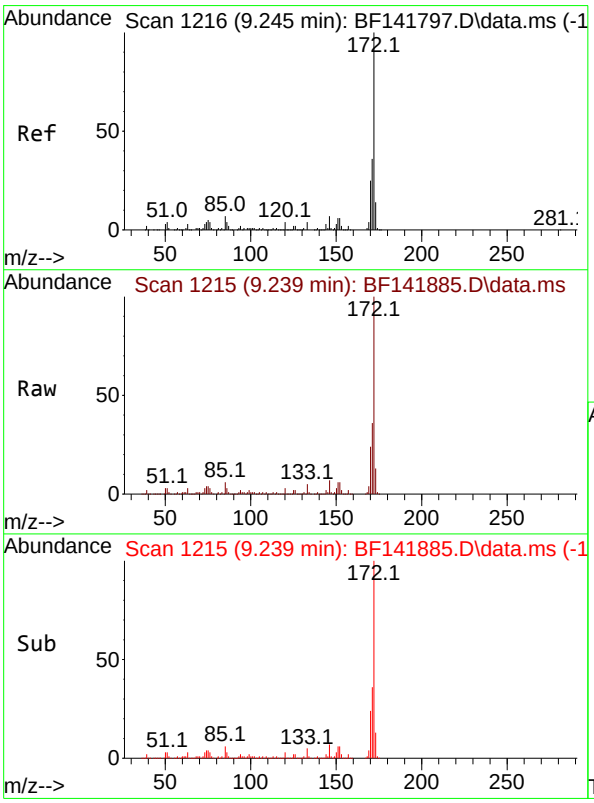
#42
2,4,6-Tribromophenol
Concen: 185.484 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141885.D
Acq: 07 Mar 2025 10:24

Instrument :
BNA_F
ClientSampleId :
PB166968TB

Tgt Ion:330 Resp: 721480

Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.6	115.0
141	30.1	29.0	43.4

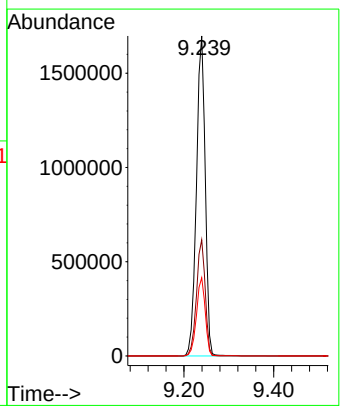


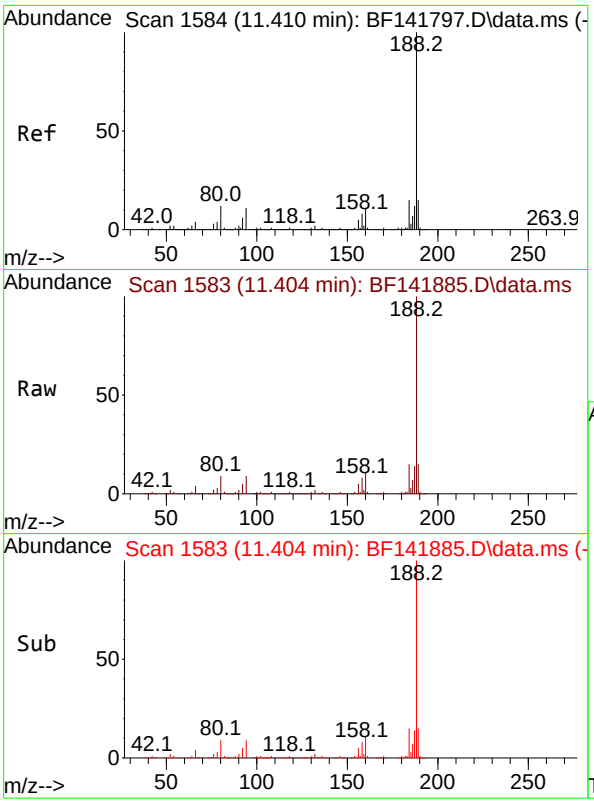


#45
2-Fluorobiphenyl
Concen: 89.576 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF141885.D
Acq: 07 Mar 2025 10:24

Tgt Ion:172 Resp: 2314579

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.2	43.8
170	24.4	19.7	29.5



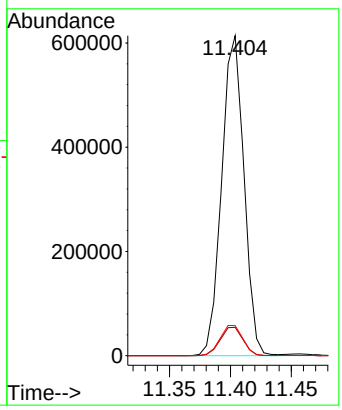


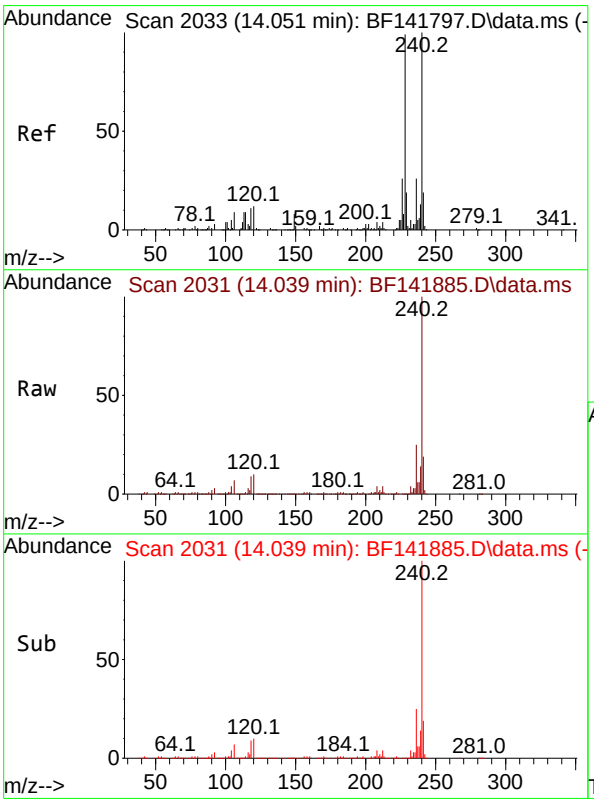
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141885.D
Acq: 07 Mar 2025 10:24

Instrument :
BNA_F
ClientSampleId :
PB166968TB

Tgt Ion:188 Resp: 782696

Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.9	13.3#
80	9.4	9.7	14.5#

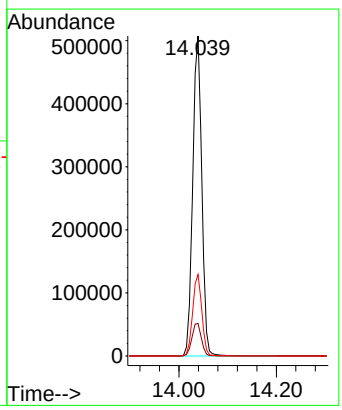


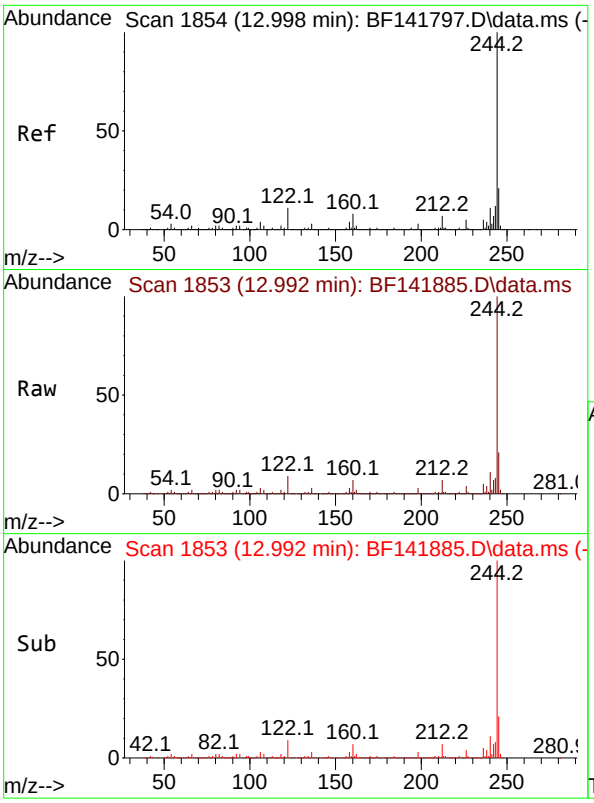


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141885.D
Acq: 07 Mar 2025 10:24

Tgt Ion:240 Resp: 660246

Ion	Ratio	Lower	Upper
240	100		
120	10.1	9.7	14.5
236	25.4	21.0	31.4



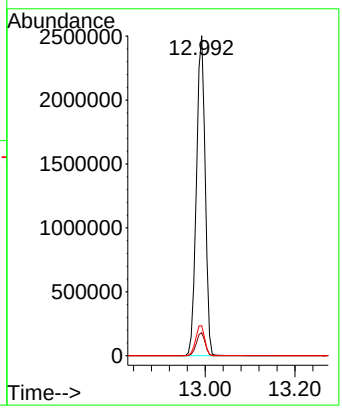


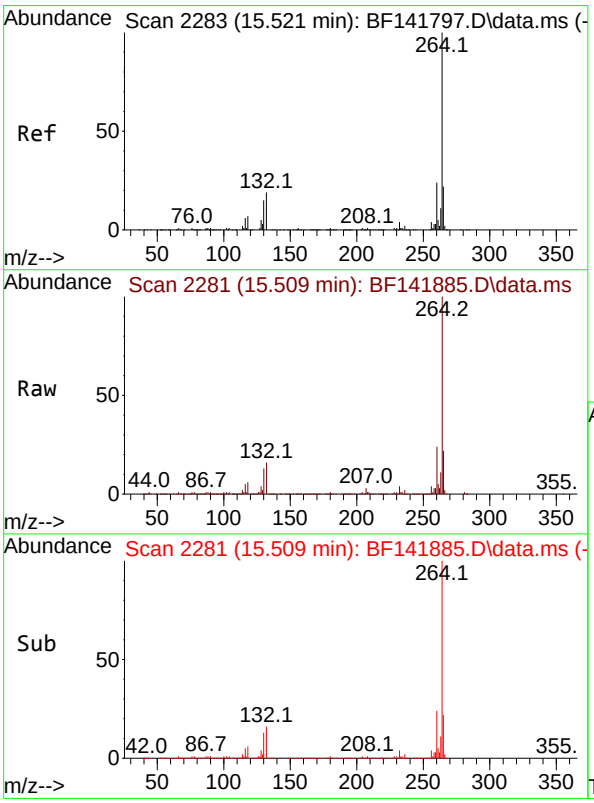
#79
Terphenyl-d14
Concen: 82.843 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141885.D
Acq: 07 Mar 2025 10:24

Instrument :
BNA_F
ClientSampleId :
PB166968TB

Tgt Ion:244 Resp: 3380701

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	9.4	9.0	13.6

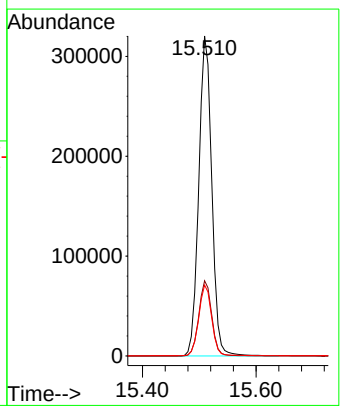




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. -0.012 min
Lab File: BF141885.D
Acq: 07 Mar 2025 10:24

Tgt Ion:264 Resp: 509683

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.9	28.3
265	22.2	17.4	26.0



Raw Data: **BF141886.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-SO-COMP-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-13	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF141886.D	1	03/05/25 13:00	03/07/25 11:00	PB167016

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	143		15 (10) - 110 (139)	95%	SPK: 150
13127-88-3	Phenol-d6	128		15 (10) - 110 (134)	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	110		30 (49) - 130 (133)	110%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.5		30 (52) - 130 (132)	96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	197	*	15 (44) - 110 (137)	132%	SPK: 150
1718-51-0	Terphenyl-d14	82.1		30 (48) - 130 (125)	82%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	140000	6.886			
1146-65-2	Naphthalene-d8	592000	8.163			
15067-26-2	Acenaphthene-d10	324000	9.916			
1517-22-2	Phenanthrene-d10	558000	11.404			
1719-03-5	Chrysene-d12	543000	14.039			
1520-96-3	Perylene-d12	422000	15.509			

Raw Data: **BF141886.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-SO-COMP-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-13	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF141886.D	1	03/05/25 13:00	03/07/25 11:00	PB167016

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\BF030725\
Data File : BF141886.D
Acq On : 07 Mar 2025 11:00
Operator : RC/JU
Sample : Q1478-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825

Quant Time: Mar 07 11:17:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

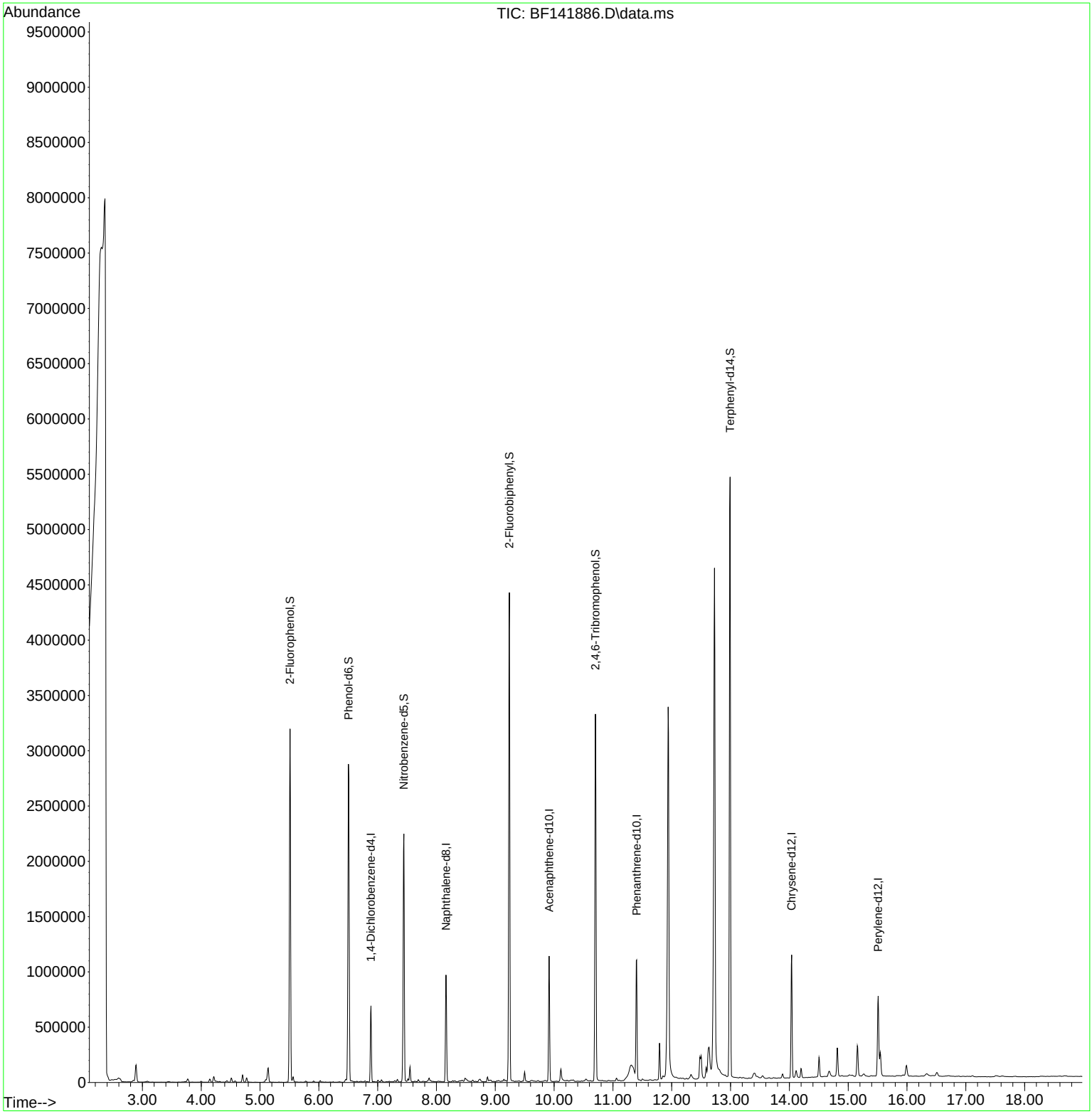
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	139514	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	591635	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	324386	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	557994	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	543144	20.000	ng	-0.01
86) Perylene-d12	15.509	264	421768	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1247685	142.820	ng	0.01
7) Phenol-d6	6.504	99	1451371	127.641	ng	0.00
23) Nitrobenzene-d5	7.445	82	1022693	110.491	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	601225	197.421	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1951276	96.452	ng	0.00
79) Terphenyl-d14	12.992	244	2755910	82.093	ng	0.00
Target Compounds						Qvalue

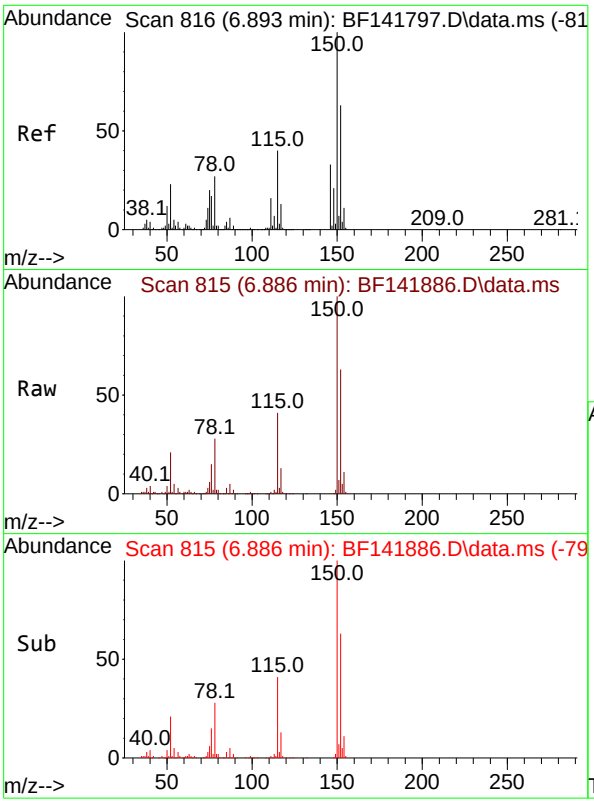
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141886.D
Acq On : 07 Mar 2025 11:00
Operator : RC/JU
Sample : Q1478-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825

Quant Time: Mar 07 11:17:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration



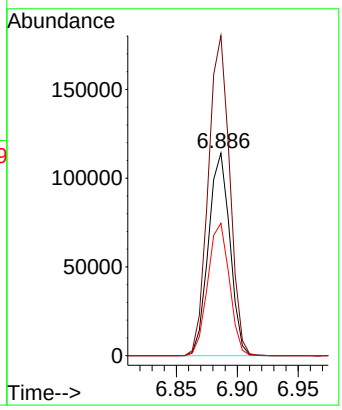


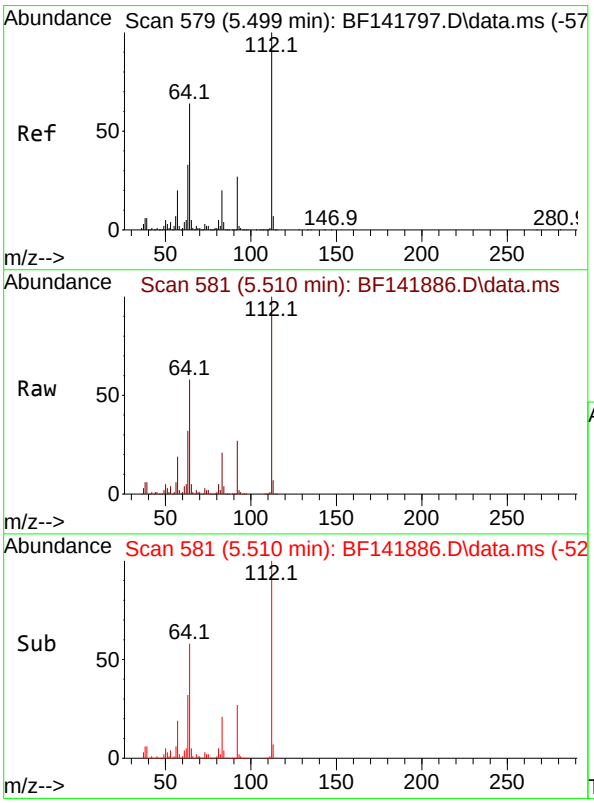
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 8
Delta R.T. -0.007 min
Lab File: BF141886.D
Acq: 07 Mar 2025 11:00

Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825

Tgt Ion:152 Resp: 139514

Ion	Ratio	Lower	Upper
152	100		
150	158.0	127.5	191.3
115	65.4	51.4	77.2

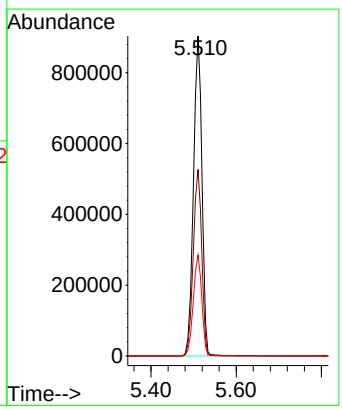


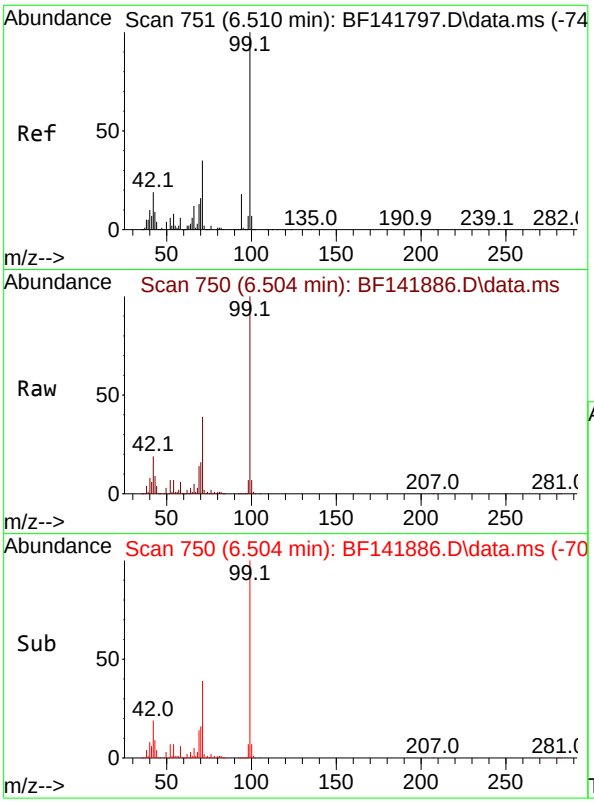


#5
2-Fluorophenol
Concen: 142.820 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF141886.D
Acq: 07 Mar 2025 11:00

Tgt Ion:112 Resp: 1247685

Ion	Ratio	Lower	Upper
112	100		
64	58.3	51.3	76.9
63	31.5	26.2	39.4



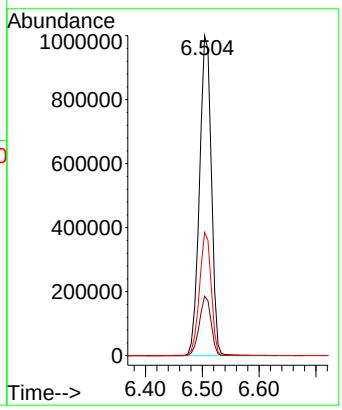


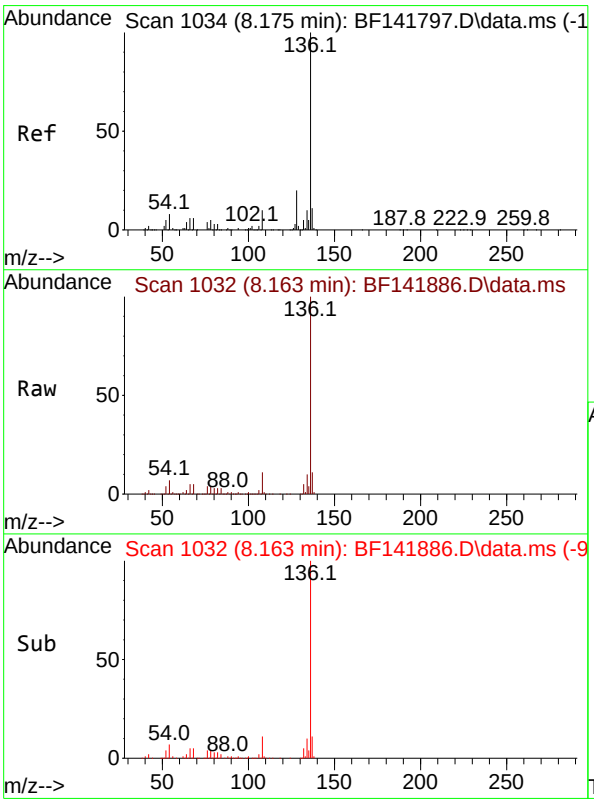
#7
Phenol-d6
Concen: 127.641 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141886.D
Acq: 07 Mar 2025 11:00

Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825

Tgt Ion: 99 Resp: 1451371

Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.2	22.8
71	38.5	28.2	42.2

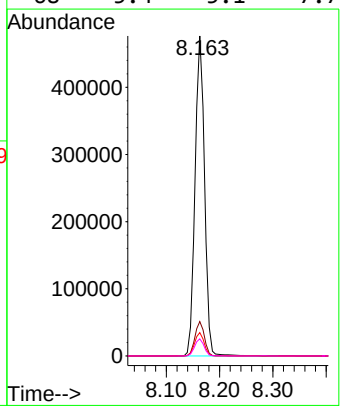


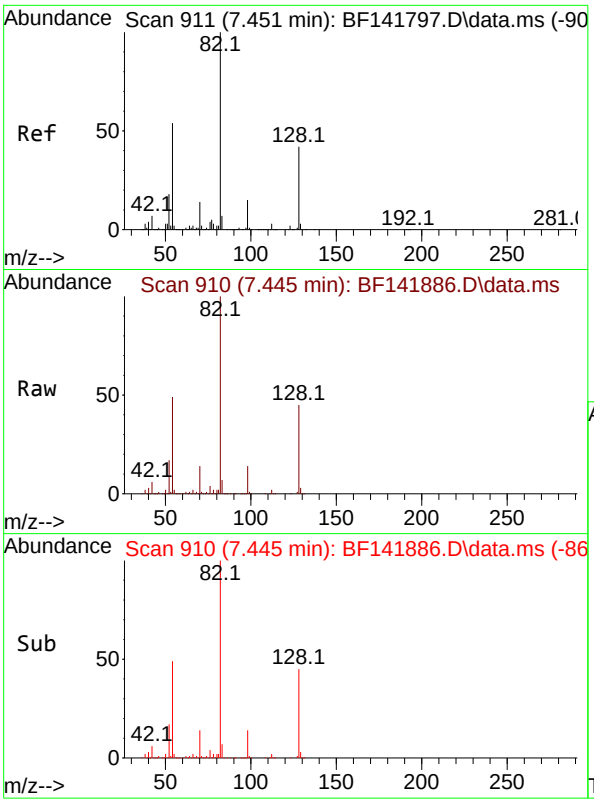


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141886.D
Acq: 07 Mar 2025 11:00

Tgt Ion:136 Resp: 591635

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.3	6.9	10.3
68	5.4	5.1	7.7



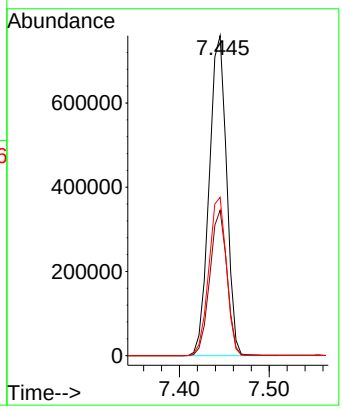


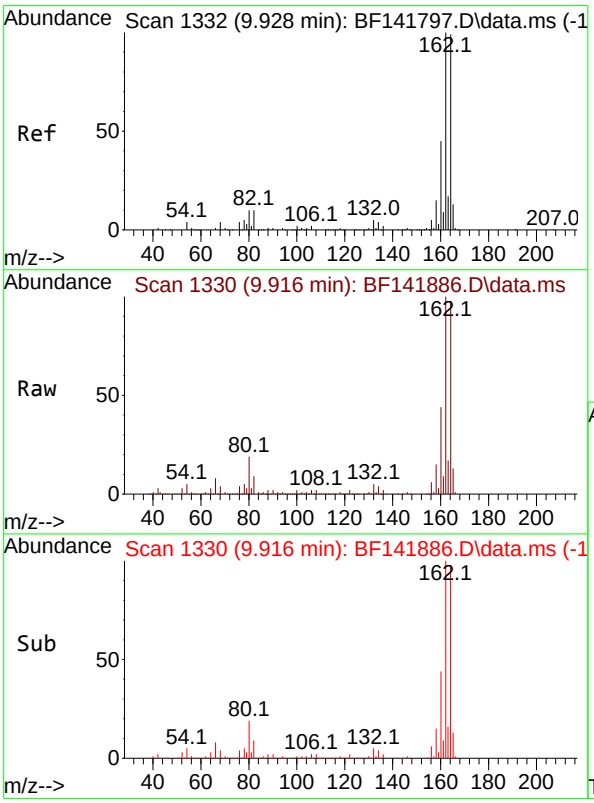
#23
Nitrobenzene-d5
Concen: 110.491 ng
RT: 7.445 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141886.D
Acq: 07 Mar 2025 11:00

Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825

Tgt Ion: 82 Resp: 1022693

Ion	Ratio	Lower	Upper
82	100		
128	45.5	33.5	50.3
54	49.5	42.7	64.1

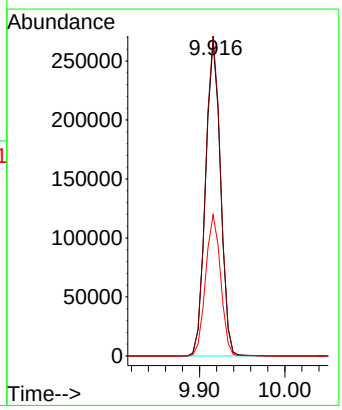


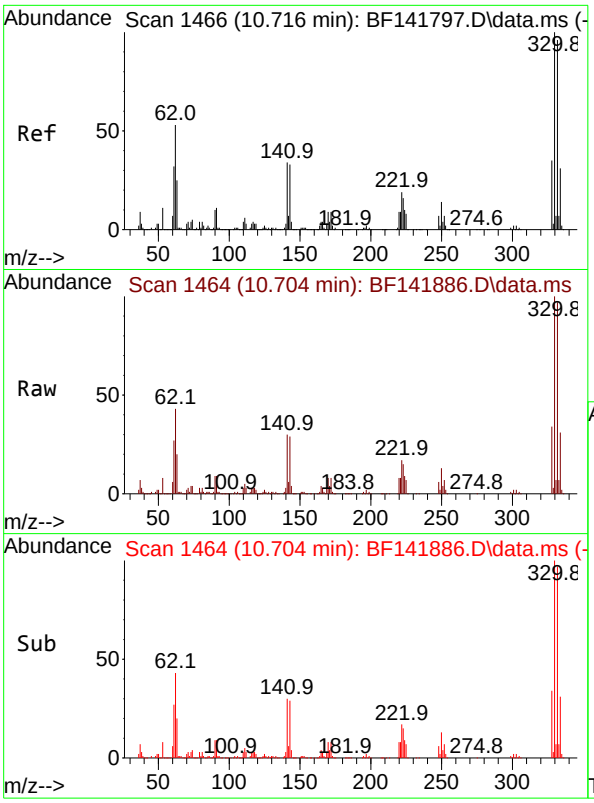


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.012 min
Lab File: BF141886.D
Acq: 07 Mar 2025 11:00

Tgt Ion:164 Resp: 324386

Ion	Ratio	Lower	Upper
164	100		
162	101.9	80.6	120.8
160	45.0	36.3	54.5



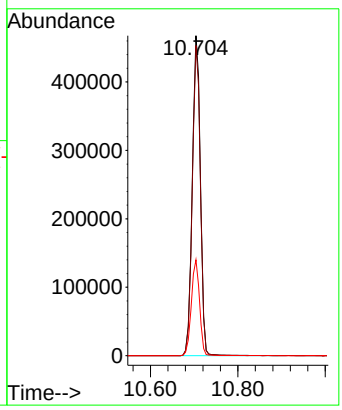


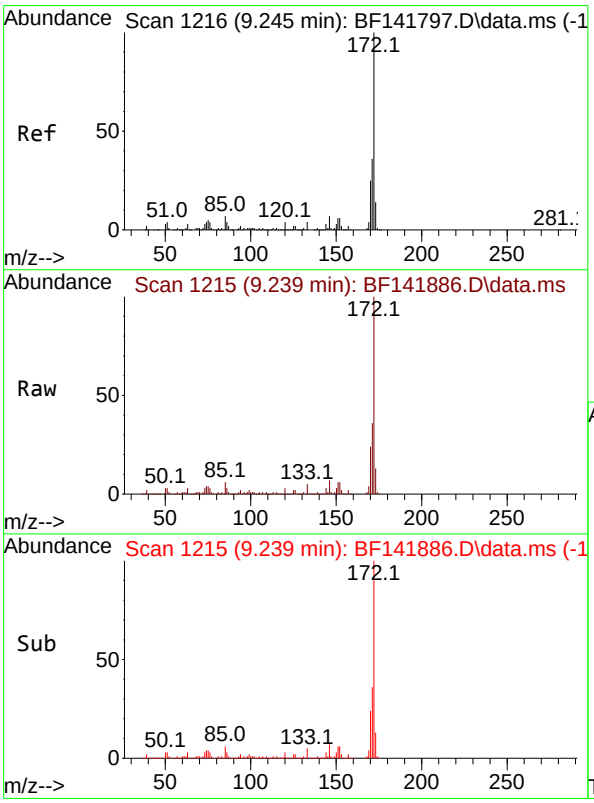
#42
2,4,6-Tribromophenol
Concen: 197.421 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141886.D
Acq: 07 Mar 2025 11:00

Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825

Tgt Ion:330 Resp: 601225

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.6	115.0
141	30.5	29.0	43.4

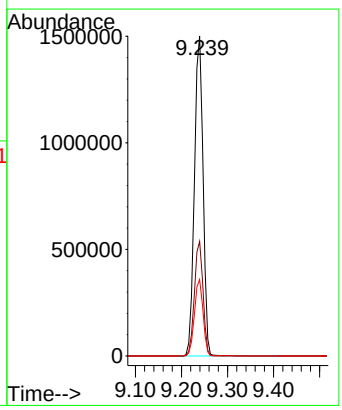


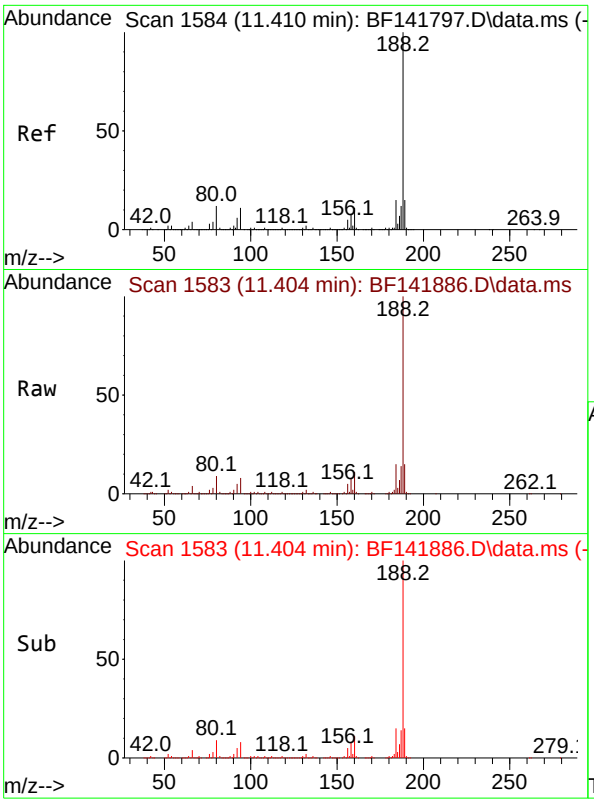


#45
2-Fluorobiphenyl
Concen: 96.452 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF141886.D
Acq: 07 Mar 2025 11:00

Tgt Ion:172 Resp: 1951276

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.2	43.8
170	23.9	19.7	29.5



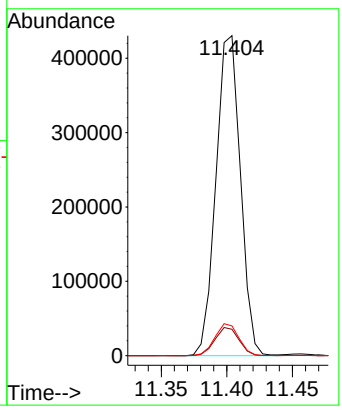


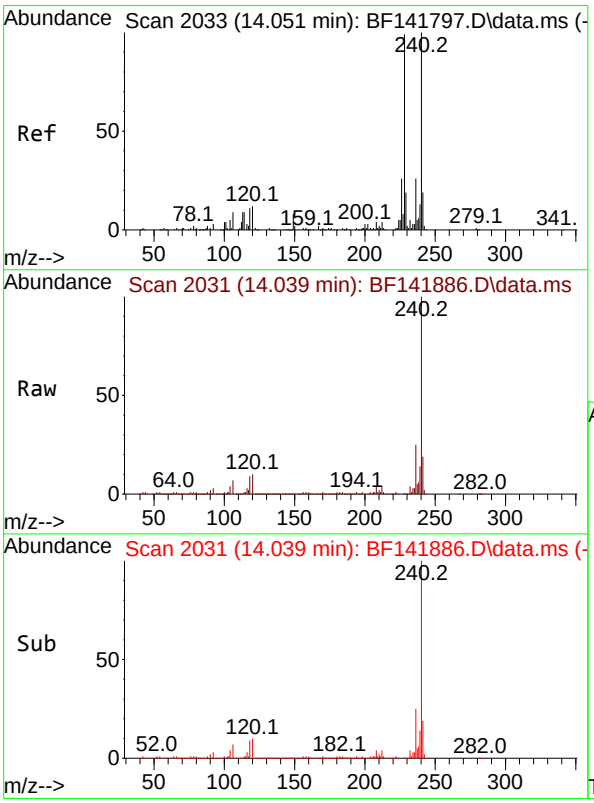
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141886.D
Acq: 07 Mar 2025 11:00

Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825

Tgt Ion:188 Resp: 557994

Ion	Ratio	Lower	Upper
188	100		
94	8.3	8.9	13.3#
80	9.3	9.7	14.5#

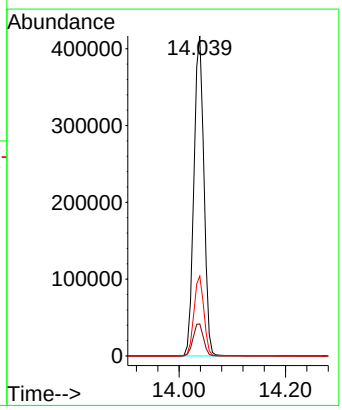


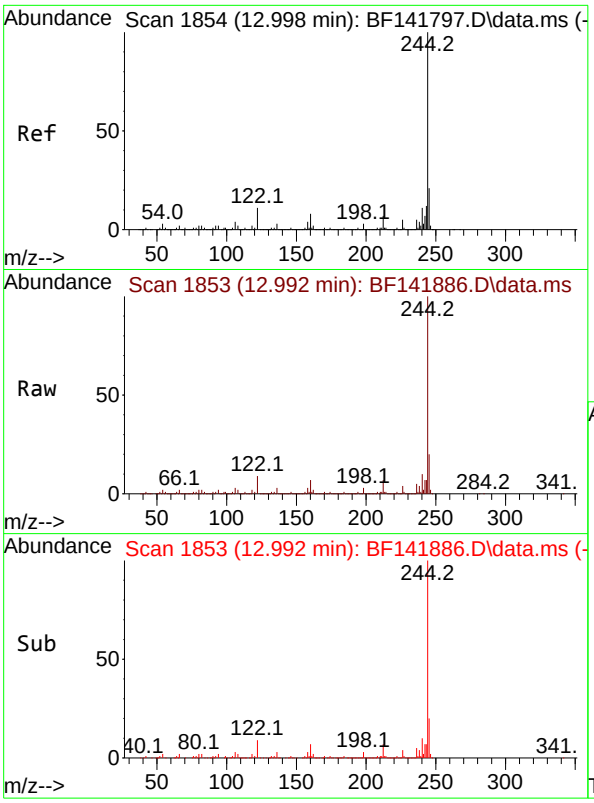


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141886.D
Acq: 07 Mar 2025 11:00

Tgt Ion:240 Resp: 543144

Ion	Ratio	Lower	Upper
240	100		
120	10.0	9.7	14.5
236	24.9	21.0	31.4



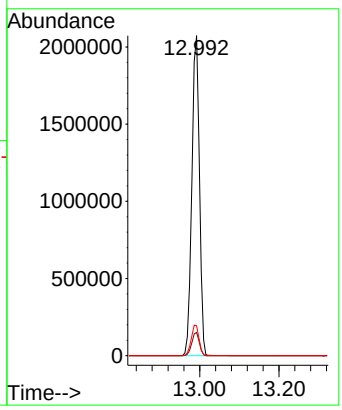


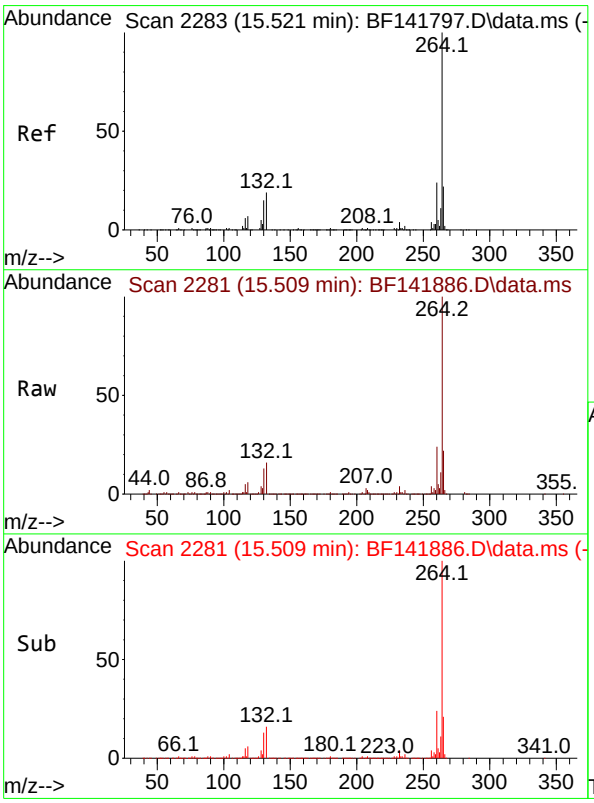
#79
Terphenyl-d14
Concen: 82.093 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141886.D
Acq: 07 Mar 2025 11:00

Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825

Tgt Ion:244 Resp: 2755910

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	9.4	9.0	13.6

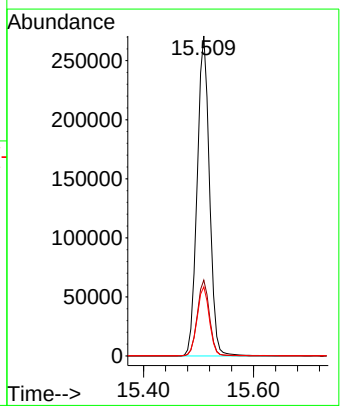




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. -0.012 min
Lab File: BF141886.D
Acq: 07 Mar 2025 11:00

Tgt Ion:264 Resp: 421768

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	21.6	17.4	26.0



CALIBRATION SUMMARY

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1478 SAS No.: Q1478 SDG No.: Q1478

Instrument ID: BNA_F Calibration Date(s): 02/27/2025 02/27/2025

Calibration Time(s): 15:17 18:45

LAB FILE ID: RRF2.5 = BF141793.D RRF005 = BF141794.D RRF010 = BF141795.D
RRF020 = BF141796.D RRF040 = BF141797.D RRF050 = BF141798.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Pyridine		1.403	1.412	1.486	1.476	1.380	1.414	3.5
2-Fluorophenol		1.348	1.315	1.326	1.286	1.185	1.252	6.9
Phenol-d6		1.750	1.707	1.728	1.684	1.541	1.630	6.9
1,4-Dichlorobenzene		1.554	1.533	1.549	1.512	1.390	1.462	6.7
2-Methylphenol		1.155	1.132	1.165	1.164	1.079	1.118	4.2
3+4-Methylphenols		1.507	1.510	1.506	1.442	1.304	1.392	9.3
Nitrobenzene-d5		0.248	0.271	0.318	0.341	0.332	0.313	12.1
Hexachloroethane		0.559	0.542	0.575	0.578	0.533	0.547	4.4
Nitrobenzene		0.273	0.303	0.346	0.363	0.349	0.335	10.1
Hexachlorobutadiene		0.199	0.193	0.202	0.199	0.188	0.194	3.0
2,4,6-Trichlorophenol		0.355	0.368	0.381	0.398	0.366	0.373	3.7
2-Fluorobiphenyl		1.443	1.387	1.346	1.237	1.128	1.247	11.9
2,4,5-Trichlorophenol		0.348	0.364	0.388	0.383	0.364	0.369	3.9
2,4-Dinitrotoluene		0.151	0.198	0.265	0.313	0.310	0.269	25.6
2,4,6-Tribromophenol		0.175	0.179	0.188	0.199	0.183	0.188	4.8
Hexachlorobenzene		0.253	0.249	0.255	0.251	0.240	0.247	2.8
Pentachlorophenol		0.137	0.146	0.161	0.169	0.159	0.156	7.1
Terphenyl-d14		1.250	1.233	1.297	1.259	1.230	1.236	3.4

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF022725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Feb 28 01:48:16 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF141793.D 5 =BF141794.D 10 =BF141795.D 20 =BF141796.D 40 =BF141797.D 50 =BF141798.D 60 =BF141799.D 80 =BF141800.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.613	0.554	0.576	0.596	0.545	0.554	0.541	0.568	4.81
3)		Pyridine		1.403	1.412	1.486	1.476	1.380	1.389	1.350	1.414	3.54
4)		n-Nitrosodimet...		0.634	0.666	0.689	0.730	0.674	0.686	0.683	0.680	4.21
5)	S	2-Fluorophenol		1.348	1.315	1.326	1.286	1.185	1.176	1.131	1.252	6.91
6)		Aniline		1.746	1.727	1.805	1.809	1.642	1.625	1.509	1.695	6.42
7)	S	Phenol-d6		1.750	1.707	1.728	1.684	1.541	1.523	1.477	1.630	6.90
8)		2-Chlorophenol		1.442	1.406	1.439	1.412	1.299	1.266	1.220	1.355	6.72
9)		Benzaldehyde		1.151	1.088	1.024	0.982	0.874	0.824	0.694	0.948	16.84
10)	C	Phenol		1.854	1.823	1.866	1.819	1.641	1.625	1.564	1.742	7.26
11)		bis(2-Chloroet...		1.377	1.376	1.392	1.339	1.279	1.265	1.265	1.328	4.26
12)		1,3-Dichlorobe...		1.544	1.520	1.541	1.504	1.378	1.361	1.308	1.451	6.80
13)	C	1,4-Dichlorobe...		1.554	1.533	1.549	1.512	1.390	1.377	1.317	1.462	6.66
14)		1,2-Dichlorobe...		1.493	1.444	1.476	1.401	1.286	1.270	1.186	1.365	8.63
15)		Benzyl Alcohol		1.347	1.353	1.374	1.366	1.258	1.241	1.180	1.303	5.82
16)		2,2'-oxybis(1-...		2.139	2.094	2.149	2.079	1.930	1.910	1.814	2.016	6.47
17)		2-Methylphenol		1.155	1.132	1.165	1.164	1.079	1.084	1.049	1.118	4.22
18)		Hexachloroethane		0.559	0.542	0.575	0.578	0.533	0.530	0.513	0.547	4.39
19)	P	n-Nitroso-di-n...	1.133	1.136	1.105	1.120	1.087	1.009	1.007	0.975	1.072	6.01
20)		3+4-Methylphenols		1.507	1.510	1.506	1.442	1.304	1.281	1.198	1.392	9.29
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.539	0.517	0.512	0.497	0.456	0.455	0.434	0.487	8.04
23)	S	Nitrobenzene-d5		0.248	0.271	0.318	0.341	0.332	0.340	0.339	0.313	12.10
24)		Nitrobenzene		0.273	0.303	0.346	0.363	0.349	0.357	0.354	0.335	10.07
25)		Isophorone		0.702	0.682	0.690	0.682	0.642	0.659	0.649	0.672	3.35
26)	C	2-Nitrophenol		0.079	0.090	0.116	0.144	0.145	0.155	0.158	0.127	25.21
27)		2,4-Dimethylph...		0.258	0.250	0.256	0.254	0.238	0.238	0.236	0.247	3.87
28)		bis(2-Chloroet...		0.463	0.448	0.450	0.435	0.404	0.408	0.394	0.429	6.19
29)	C	2,4-Dichloroph...		0.280	0.288	0.296	0.298	0.277	0.281	0.275	0.285	3.20
30)		1,2,4-Trichlor...		0.328	0.321	0.327	0.319	0.298	0.301	0.292	0.312	4.71
31)		Naphthalene		1.140	1.097	1.100	1.043	0.960	0.950	0.906	1.028	8.74
32)		Benzoic acid			0.099	0.145	0.191	0.200	0.215	0.226	0.179	26.89
33)		4-Chloroaniline		0.402	0.392	0.398	0.379	0.350	0.356	0.360	0.377	5.66
34)	C	Hexachlorobuta...		0.199	0.193	0.202	0.199	0.188	0.191	0.187	0.194	2.98
35)		Caprolactam		0.087	0.086	0.090	0.091	0.085	0.089	0.086	0.088	2.77
36)	C	4-Chloro-3-met...		0.333	0.316	0.329	0.326	0.300	0.310	0.303	0.317	4.16
37)		2-Methylnaphth...		0.762	0.725	0.723	0.677	0.621	0.619	0.591	0.674	9.66
38)		1-Methylnaphth...		0.734	0.688	0.697	0.652	0.594	0.594	0.570	0.647	9.67

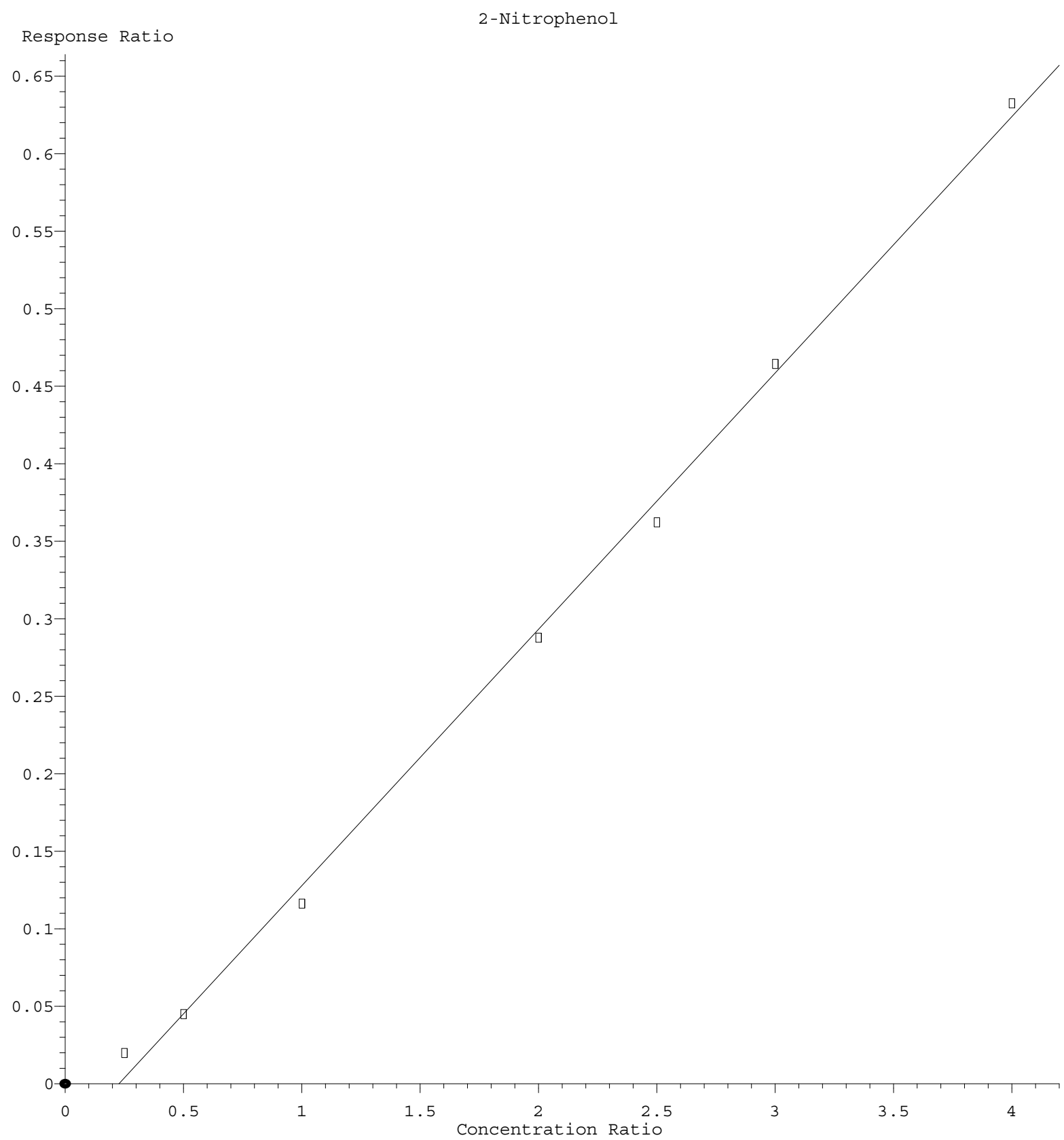
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF022725.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.609	0.600	0.602	0.589	0.549	0.553	0.540	0.578	5.03
41)	P	Hexachlorocycl...	0.217	0.230	0.252	0.258	0.246	0.247	0.236	0.241	5.87
42)	S	2,4,6-Tribromo...	0.175	0.179	0.188	0.199	0.183	0.196	0.194	0.188	4.80
43)	C	2,4,6-Trichlor...	0.355	0.368	0.381	0.398	0.366	0.368	0.377	0.373	3.65
44)		2,4,5-Trichlor...	0.348	0.364	0.388	0.383	0.364	0.380	0.360	0.369	3.89
45)	S	2-Fluorobiphenyl	1.443	1.387	1.346	1.237	1.128	1.141	1.049	1.247	11.93
46)		1,1'-Biphenyl	1.694	1.659	1.630	1.519	1.413	1.419	1.323	1.522	9.38
47)		2-Chloronaphth...	1.211	1.184	1.201	1.135	1.058	1.071	1.006	1.124	7.10
48)		2-Nitroaniline	0.152	0.187	0.246	0.300	0.297	0.319	0.323	0.260	26.00
49)		Acenaphthylene	1.847	1.809	1.798	1.711	1.560	1.596	1.472	1.685	8.54
50)		Dimethylphthalate	1.431	1.405	1.405	1.363	1.262	1.285	1.224	1.339	6.09
51)		2,6-Dinitrotol...	0.136	0.184	0.231	0.257	0.251	0.265	0.261	0.226	21.50
52)	C	Acenaphthene	1.217	1.201	1.197	1.150	1.068	1.084	1.039	1.137	6.37
53)		3-Nitroaniline	0.146	0.193	0.243	0.277	0.264	0.282	0.280	0.241	21.68
54)	P	2,4-Dinitrophenol		0.049	0.066	0.093	0.096	0.112	0.116	0.089	29.73
55)		Dibenzofuran	1.850	1.794	1.765	1.663	1.532	1.542	1.436	1.654	9.40
56)	P	4-Nitrophenol	0.129	0.159	0.197	0.228	0.215	0.229	0.227	0.198	19.87
57)		2,4-Dinitrotol...	0.151	0.198	0.265	0.313	0.310	0.325	0.320	0.269	25.57
58)		Fluorene	1.433	1.367	1.313	1.228	1.128	1.134	1.072	1.239	10.97
59)		2,3,4,6-Tetrac...	0.313	0.314	0.336	0.339	0.309	0.322	0.315	0.321	3.66
60)		Diethylphthalate	1.429	1.413	1.428	1.383	1.259	1.275	1.212	1.343	6.78
61)		4-Chlorophenyl...	0.691	0.665	0.654	0.620	0.572	0.583	0.562	0.621	8.09
62)		4-Nitroaniline	0.149	0.187	0.229	0.267	0.248	0.265	0.256	0.229	19.54
63)		Azobenzene	1.544	1.503	1.505	1.437	1.320	1.325	1.262	1.414	7.81
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.043	0.063	0.087	0.090	0.100	0.103	0.081	28.86
66)	c	n-Nitrosodiphe...	0.702	0.681	0.689	0.665	0.631	0.623	0.607	0.657	5.56
67)		4-Bromophenyl-...	0.241	0.237	0.239	0.238	0.227	0.230	0.224	0.234	2.86
68)		Hexachlorobenzene	0.253	0.249	0.255	0.251	0.240	0.242	0.237	0.247	2.79
69)		Atrazine	0.213	0.208	0.196	0.179	0.149	0.139		0.181	17.11
70)	C	Pentachlorophenol	0.137	0.146	0.161	0.169	0.159	0.164	0.160	0.156	7.07
71)		Phenanthrene	1.186	1.152	1.134	1.073	1.001	1.001	0.940	1.070	8.58
72)		Anthracene	1.203	1.156	1.155	1.068	1.002	0.990	0.931	1.072	9.54
73)		Carbazole	1.074	1.010	1.014	0.955	0.882	0.871	0.821	0.947	9.69
74)		Di-n-butylphth...	1.335	1.291	1.291	1.208	1.128	1.114	1.035	1.200	9.30
75)	C	Fluoranthene	1.285	1.216	1.192	1.089	0.992	0.981	0.917	1.096	12.66
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.342	0.198	0.259	0.214	0.181	0.316	0.252	26.09
78)		Pyrene	1.698	1.687	1.815	1.796	1.738	1.734	1.656	1.732	3.32
79)	S	Terphenyl-d14	1.250	1.233	1.297	1.259	1.230	1.227	1.157	1.236	3.43
80)		Butylbenzylpht...	0.546	0.579	0.643	0.668	0.650	0.667	0.652	0.629	7.54
81)		Benzo(a)anthra...	1.367	1.387	1.384	1.312	1.244	1.262	1.292	1.321	4.46
82)		3,3'-Dichlorob...	0.406	0.380	0.382	0.393	0.364	0.364	0.365	0.379	4.27
83)		Chrysene	1.303	1.184	1.235	1.265	1.185	1.209	1.144	1.218	4.42
84)		Bis(2-ethylhex...	0.702	0.696	0.788	0.832	0.811	0.828	0.827	0.783	7.59
85)	c	Di-n-octyl pht...	0.903	0.922	1.109	1.307	1.304	1.318	1.348	1.173	16.59

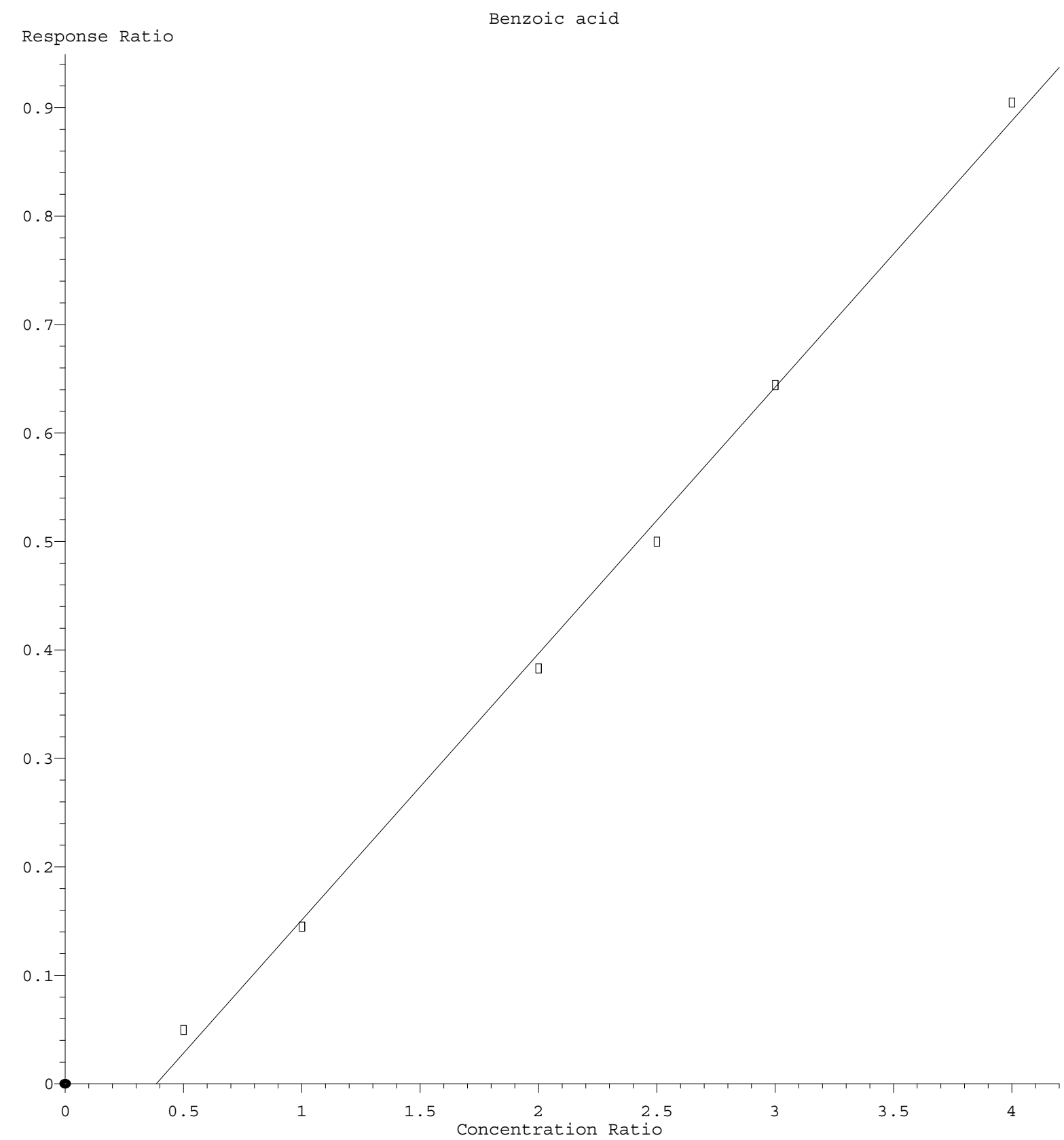
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF022725.M

86)	I	Perylene-d12	----------ISTD----------								
87)		Indeno(1,2,3-c...	1.097	1.126	1.240	1.346	1.337	1.371	1.397	1.274	9.52
88)		Benzo(b)fluora...	1.442	1.396	1.533	1.306	1.232	1.370	1.256	1.362	7.81
89)		Benzo(k)fluora...	1.274	1.240	1.098	1.214	1.165	1.040	1.074	1.158	7.70
90)	C	Benzo(a)pyrene	1.113	1.083	1.133	1.119	1.060	1.080	1.060	1.093	2.68
91)		Dibenzo(a,h)an...	0.902	0.931	1.025	1.109	1.094	1.101	1.115	1.040	8.63
92)		Benzo(g,h,i)pe...	0.898	0.929	1.034	1.130	1.129	1.156	1.179	1.065	10.60

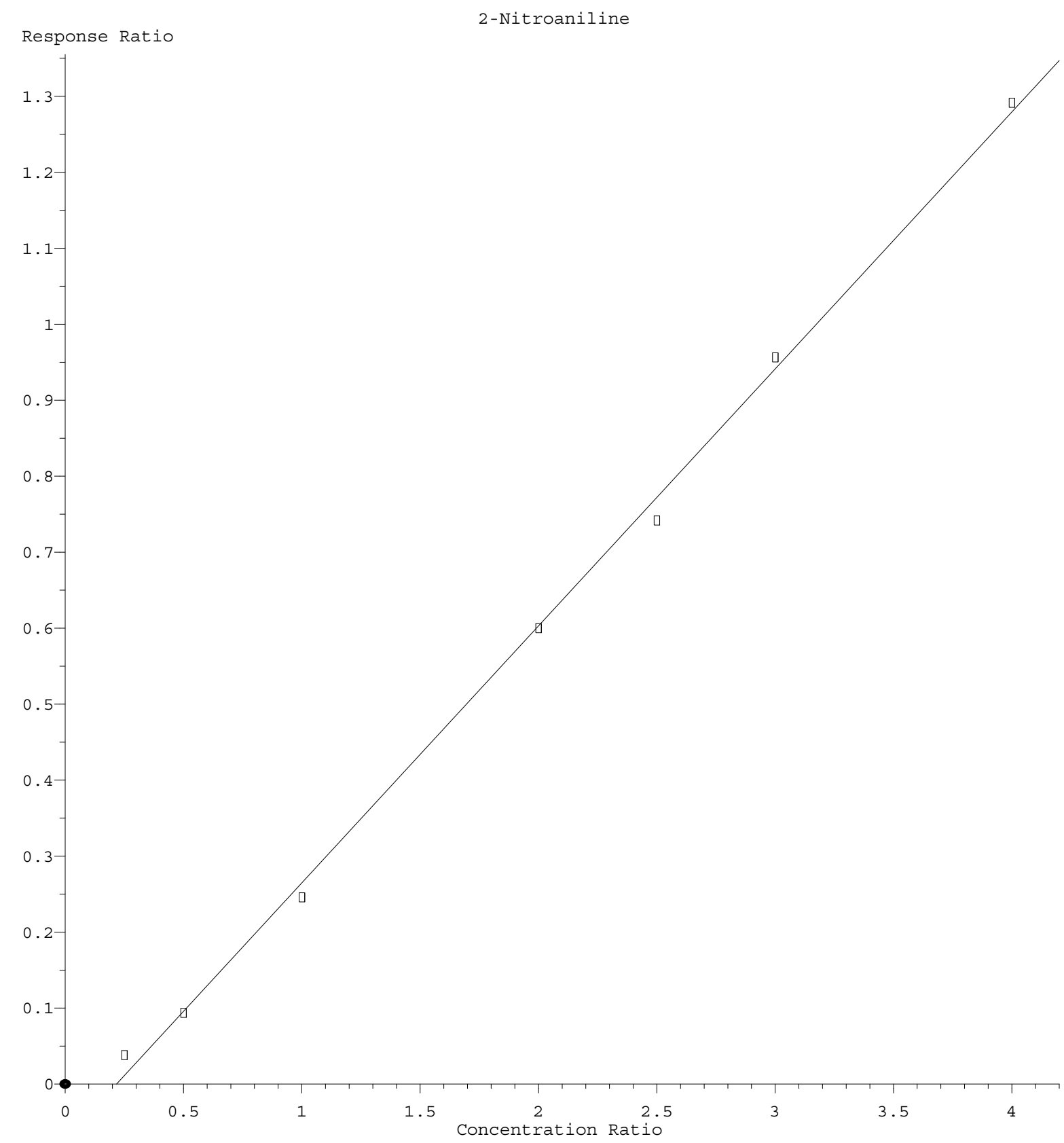
(#) = Out of Range



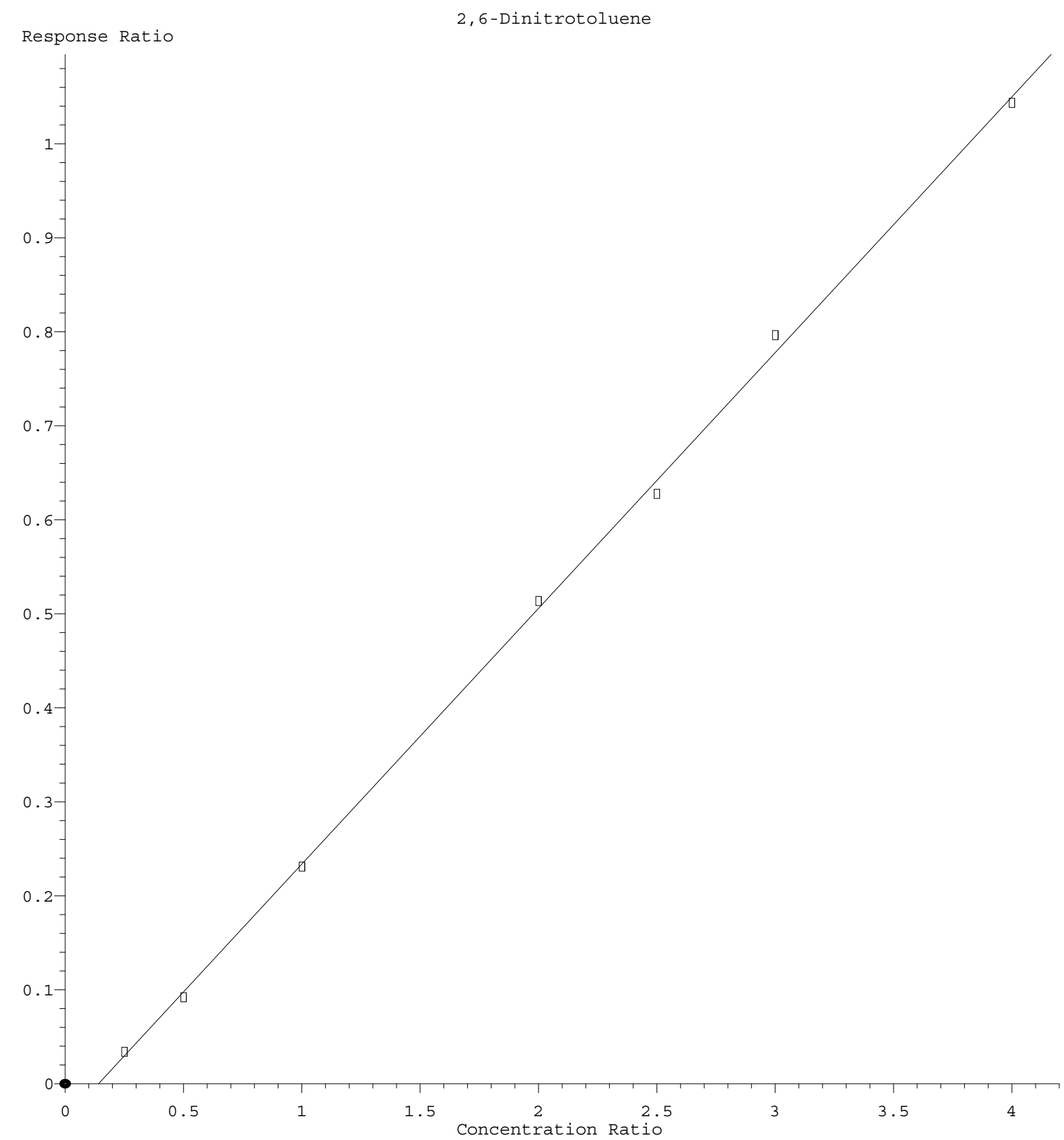
Response = 1.654e-001 * Amt - 3.762e-002
Coef of Det (r^2) = 0.997727 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M
Calibration Table Last Updated: Fri Feb 28 01:48:16 2025



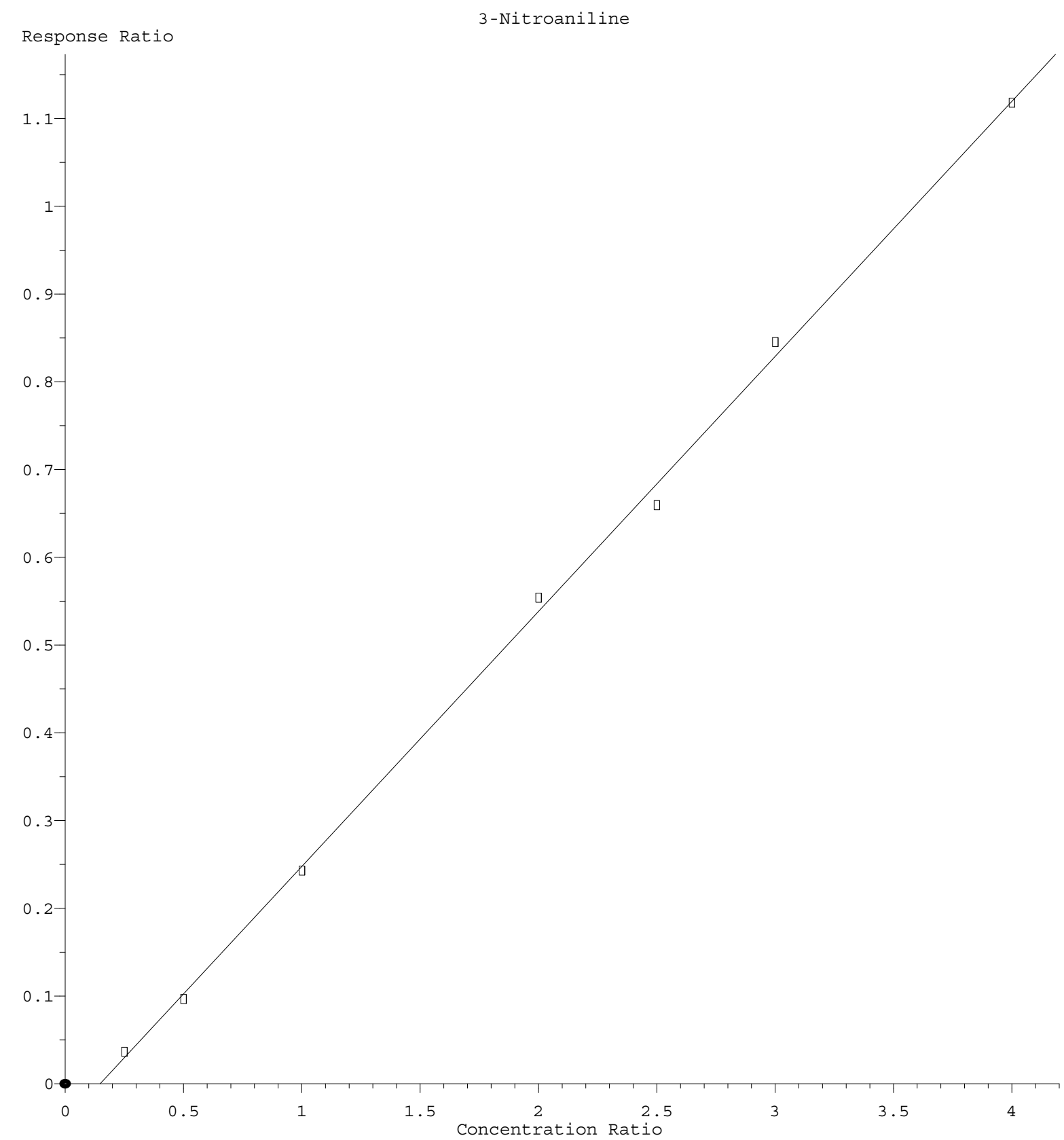
Response = 2.456e-001 * Amt - 9.444e-002
Coef of Det (r^2) = 0.997308 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M
Calibration Table Last Updated: Fri Feb 28 01:48:16 2025



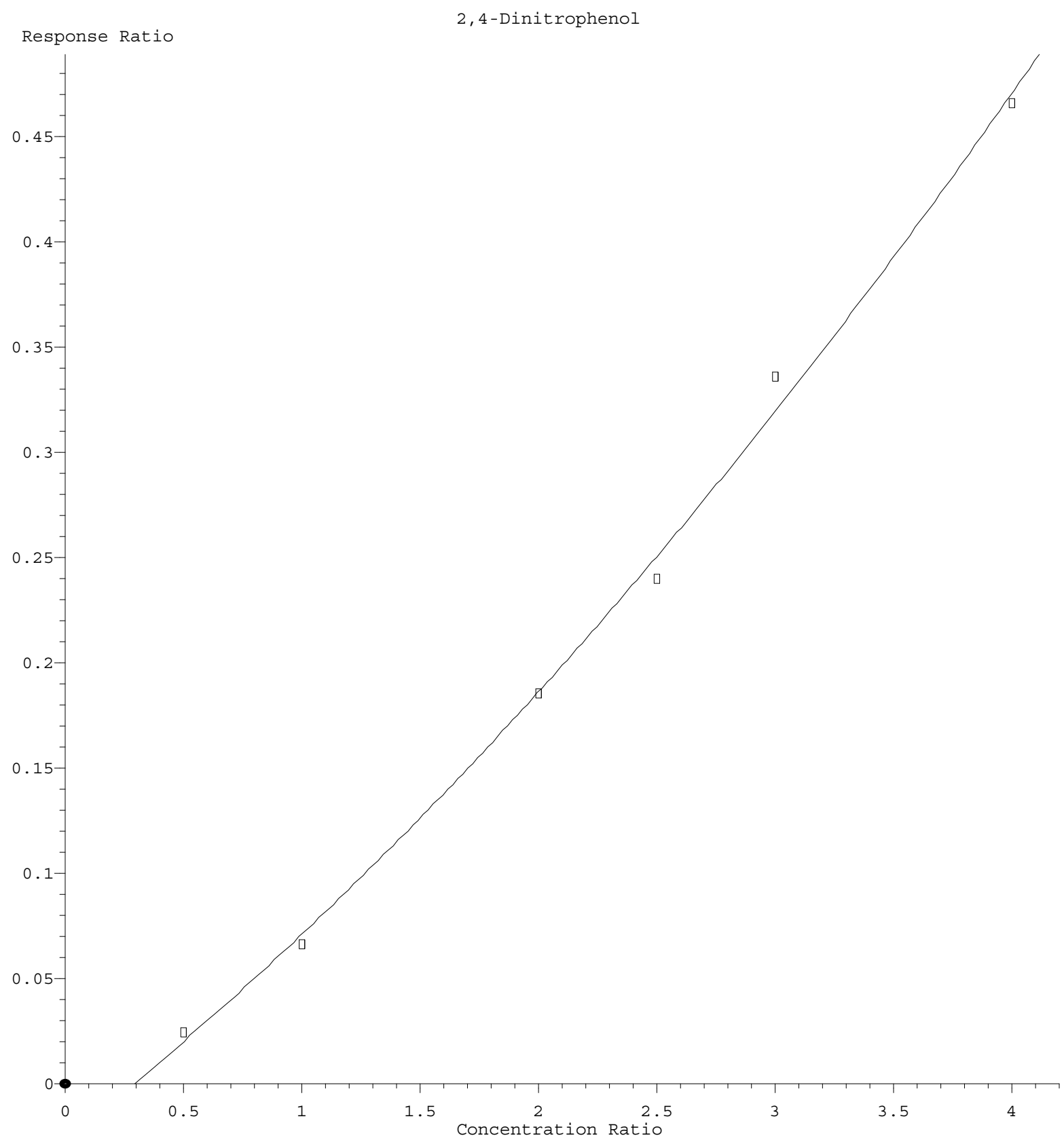
Response = 3.381e-001 * Amt - 7.336e-002
Coef of Det (r^2) = 0.998178 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M
Calibration Table Last Updated: Fri Feb 28 01:48:16 2025



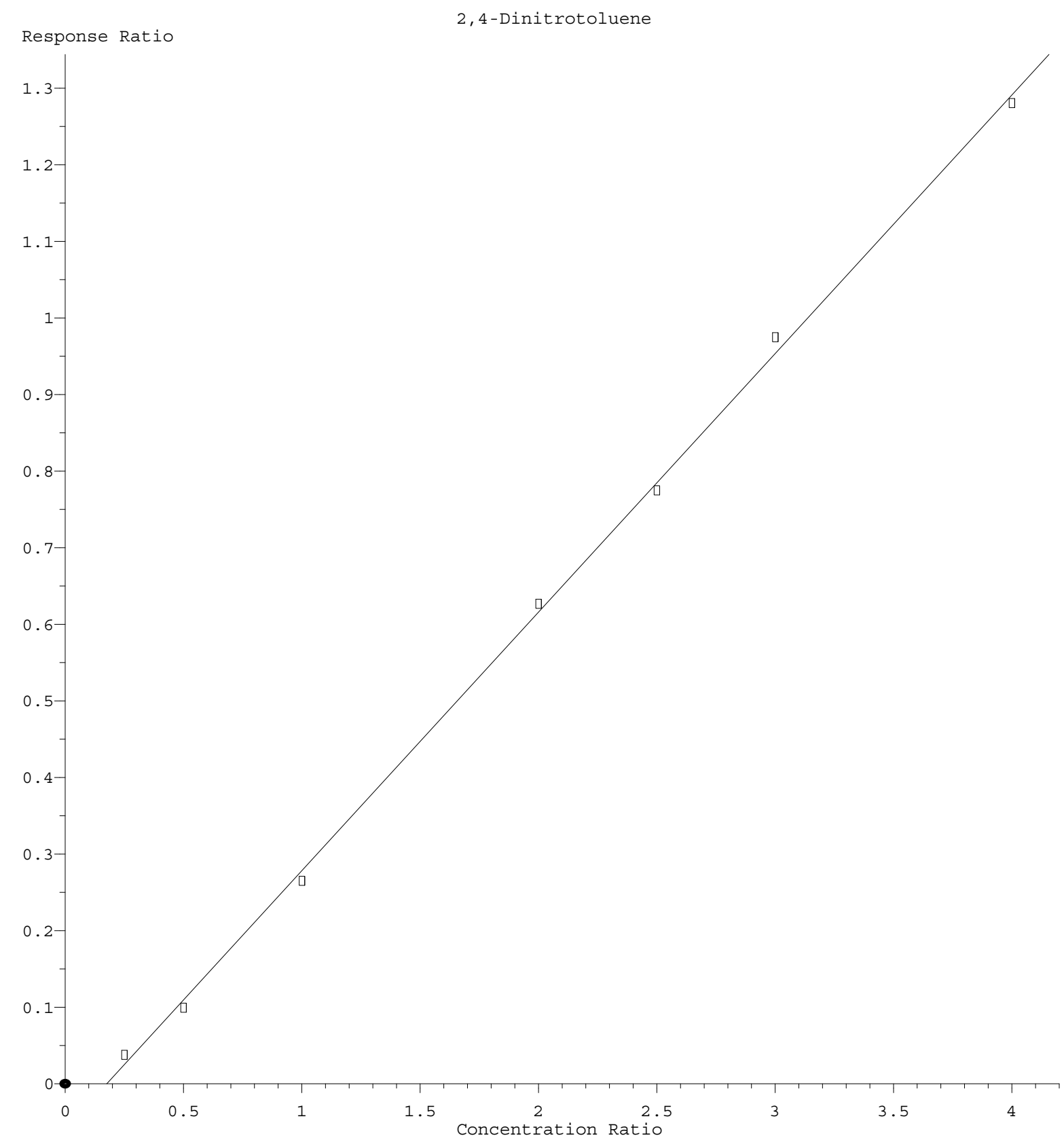
Response = 2.723e-001 * Amt - 3.850e-002
Coef of Det (r^2) = 0.999171 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M
Calibration Table Last Updated: Fri Feb 28 01:48:16 2025



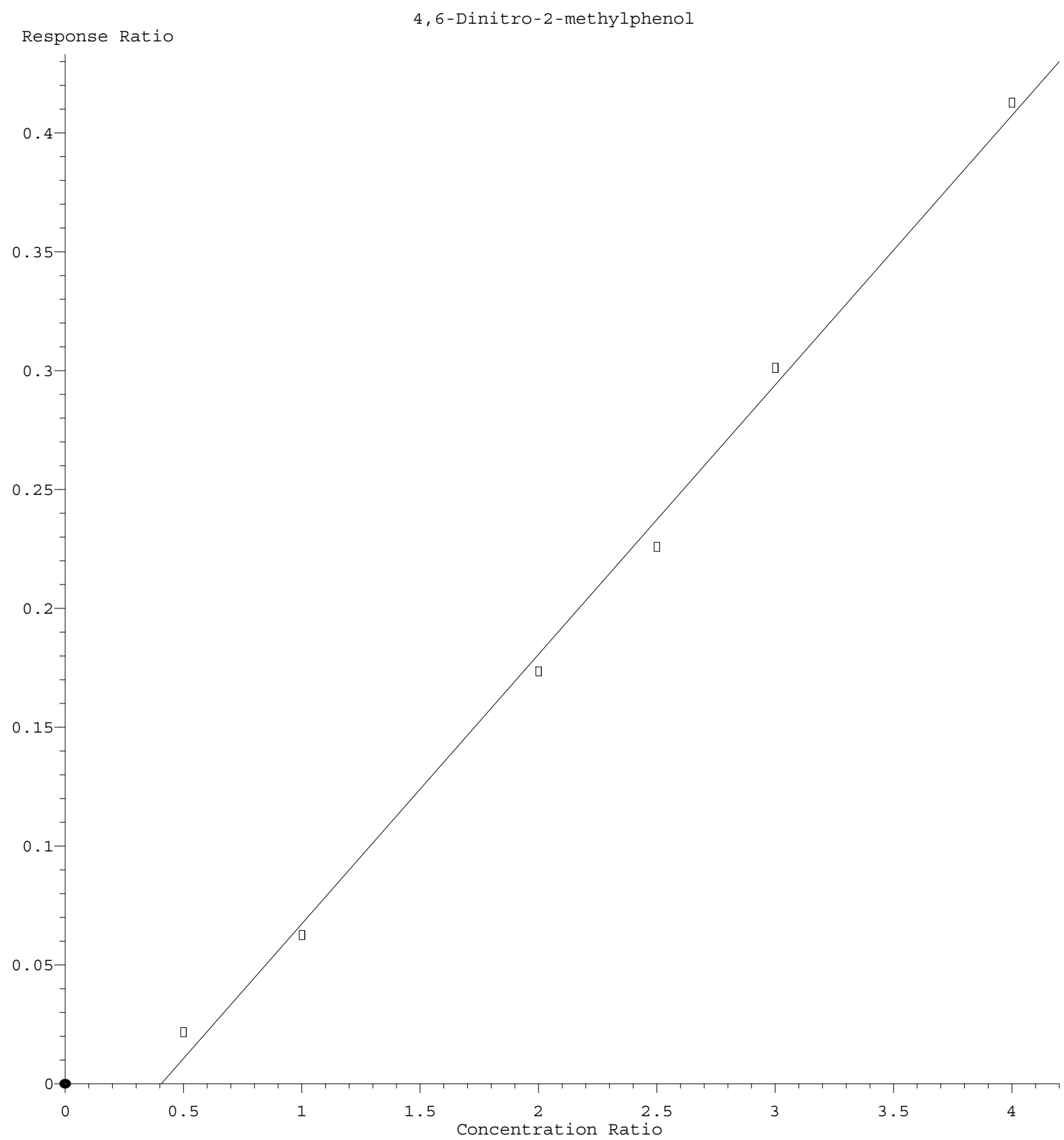
Response = 2.909e-001 * Amt - 4.315e-002
Coef of Det (r^2) = 0.998769 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M
Calibration Table Last Updated: Fri Feb 28 01:48:16 2025



R = 8.979e-003 A*A + 8.829e-002 A - 2.630e-002
Coef of Det (r^2) = 0.996714 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M
Calibration Table Last Updated: Fri Feb 28 01:48:16 2025



Response = 3.378e-001 * Amt - 5.953e-002
Coef of Det (r^2) = 0.999067 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M
Calibration Table Last Updated: Fri Feb 28 01:48:16 2025



Response = 1.134e-001 * Amt - 4.606e-002
Coef of Det (r^2) = 0.996201 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M
Calibration Table Last Updated: Fri Feb 28 01:48:16 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141793.D
Acq On : 27 Feb 2025 15:17
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Feb 28 00:18:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 00:17:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	282413	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	1147711	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	650007	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	1119232	20.000	ng	0.00
76) Chrysene-d12	14.045	240	894958	20.000	ng	0.00
86) Perylene-d12	15.521	264	684814	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.287	70	39992	2.936	ng	100

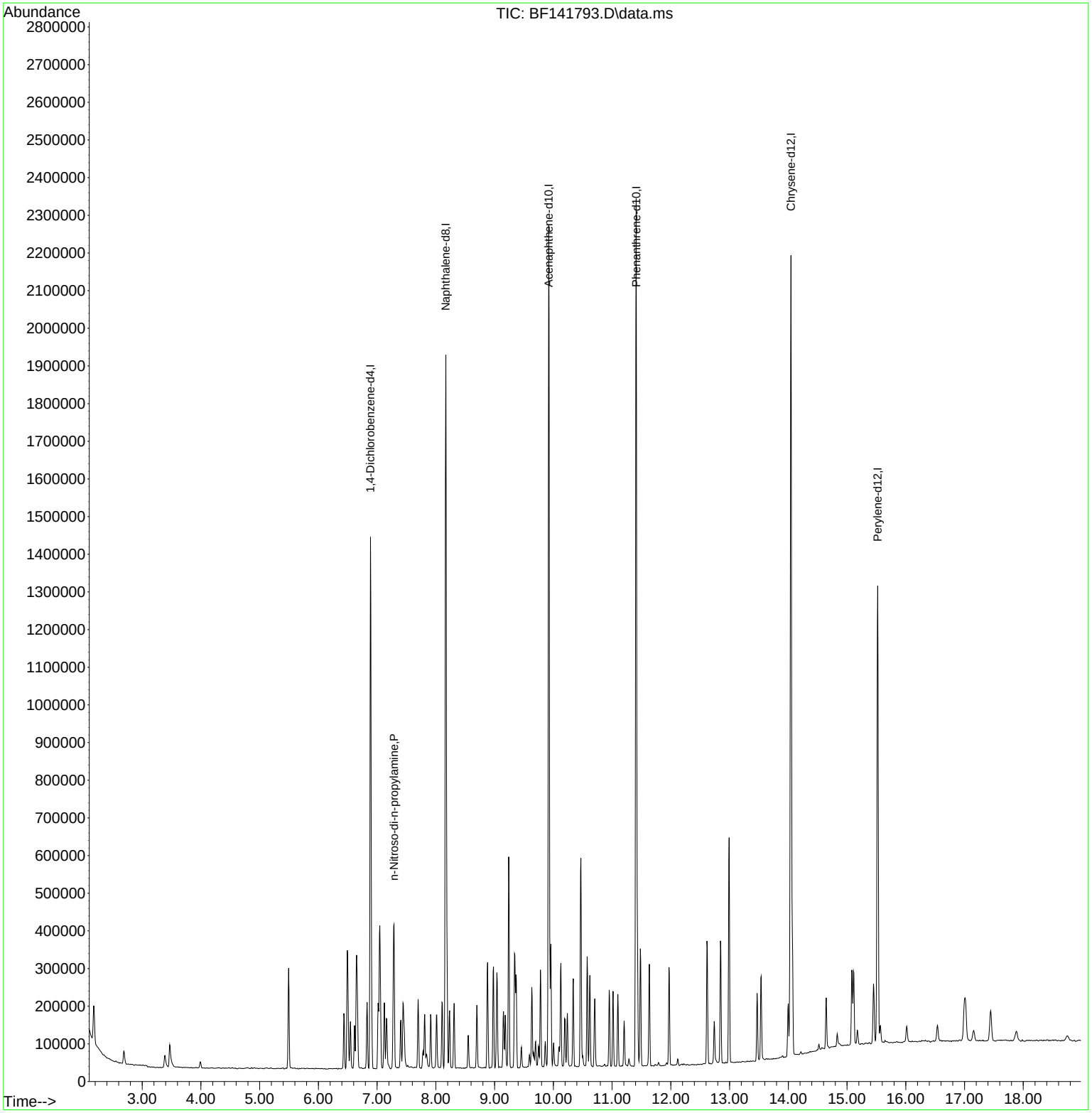
(#) = qualifier out of range (m) = manual integration (+) = signals summed

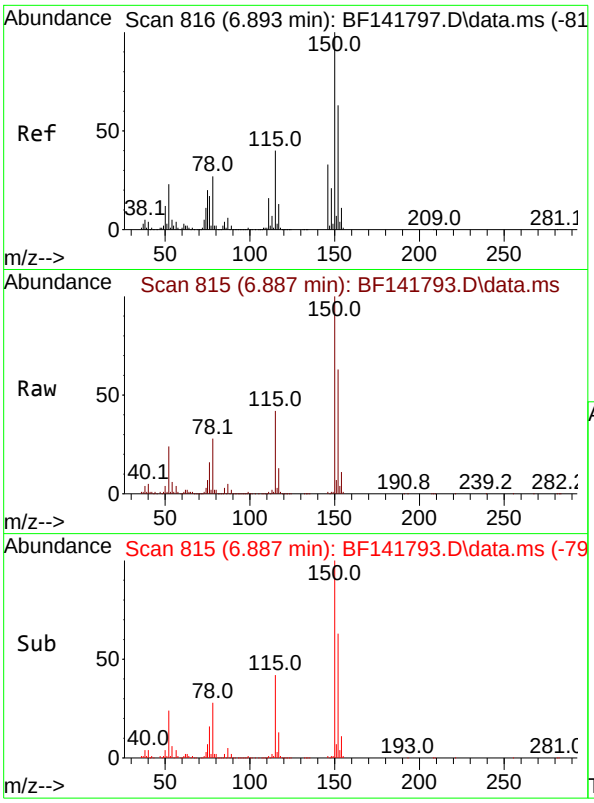
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141793.D
Acq On : 27 Feb 2025 15:17
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Feb 28 00:18:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 00:17:06 2025
Response via : Initial Calibration



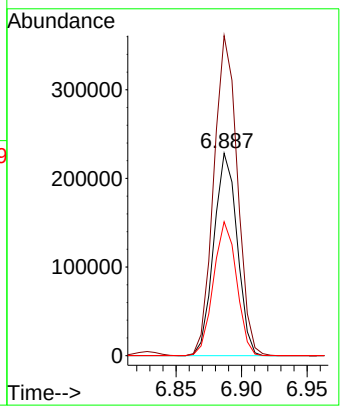


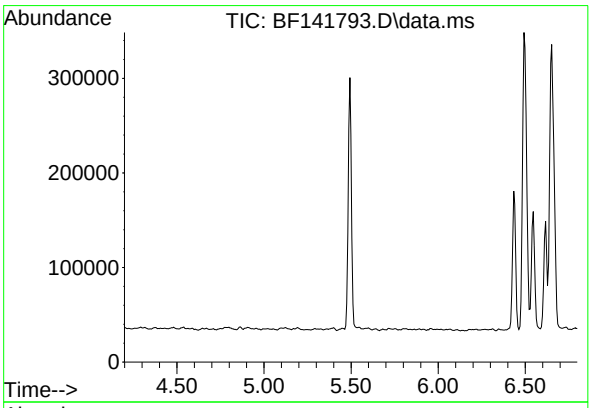
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 282413

Ion	Ratio	Lower	Upper
152	100		
150	158.1	127.5	191.3
115	66.2	51.4	77.2



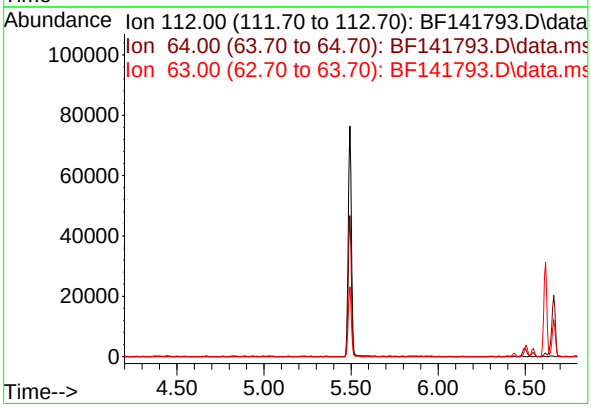


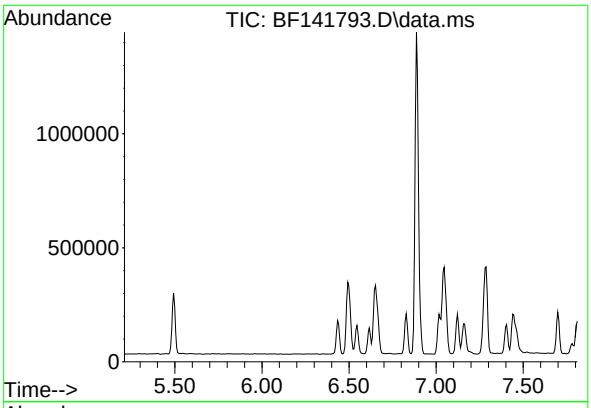
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.50 min

Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	64.1
63	32.8





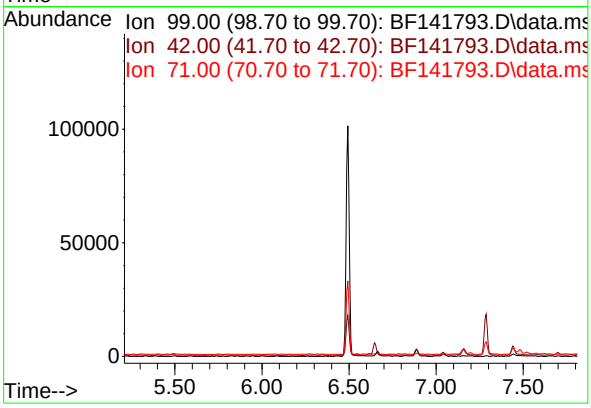
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.51 min

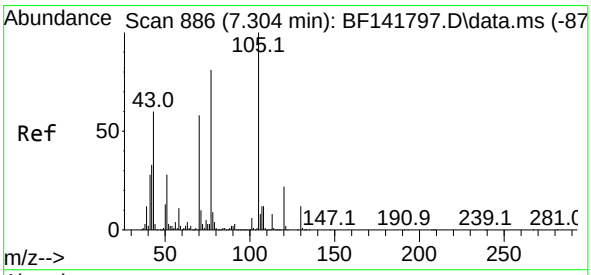
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

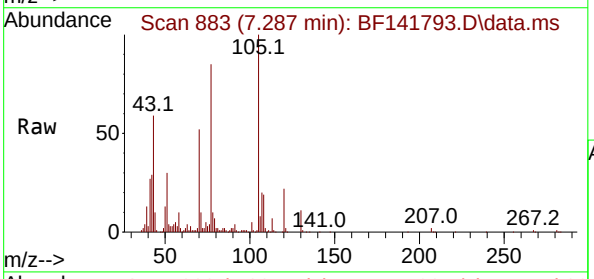
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

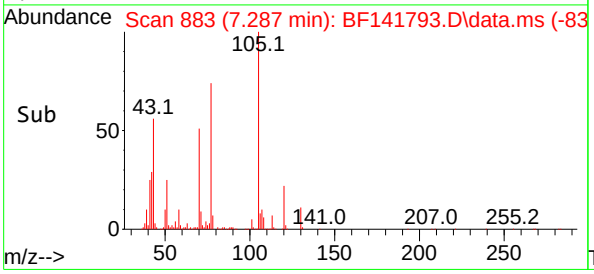
Tgt Ion: 99

Sig	Exp Ratio
99	100
42	19.0
71	35.2





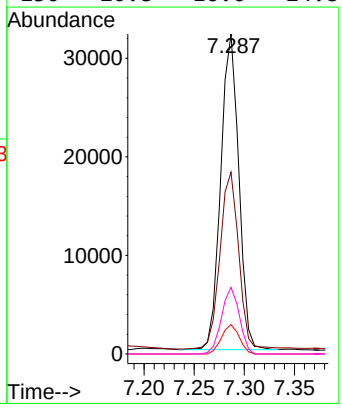


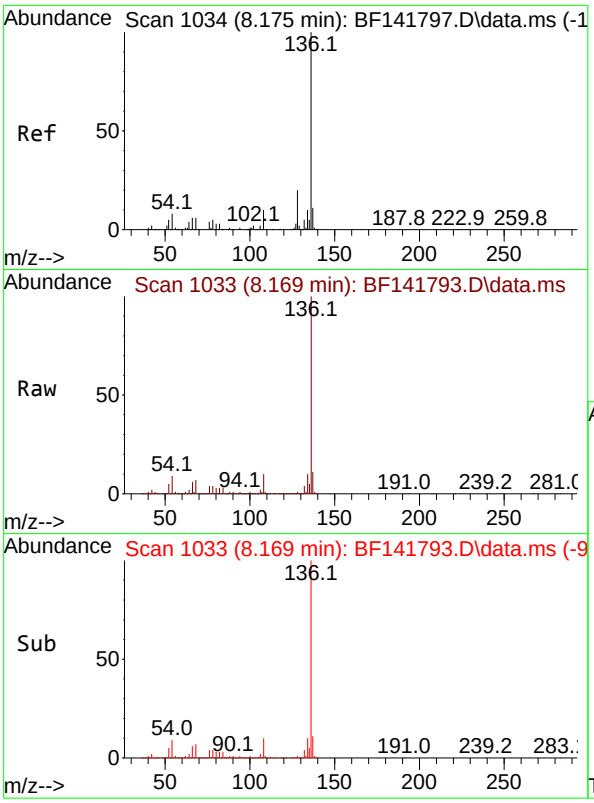


#19
n-Nitroso-di-n-propylamine
Concen: 2.936 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.018 min
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

Tgt Ion: 70 Resp: 39992

Ion	Ratio	Lower	Upper
70	100		
42	56.8	45.4	68.0
101	9.2	7.8	11.8
130	20.8	16.6	24.8



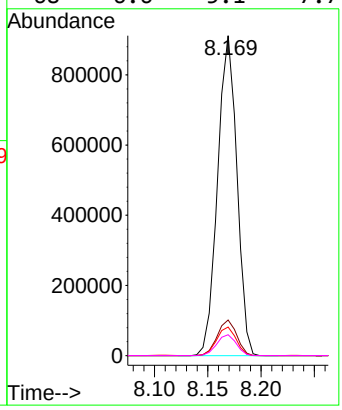


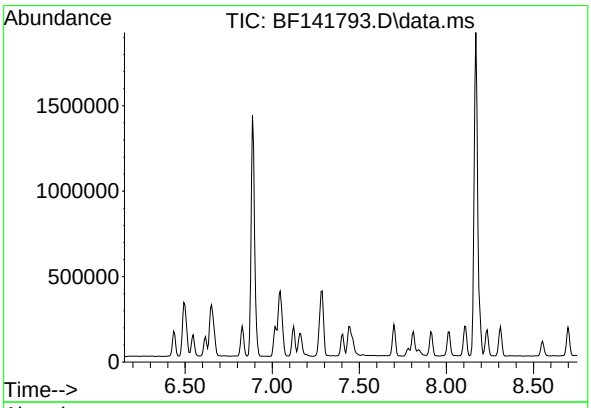
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 1147711

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.9	6.9	10.3
68	6.6	5.1	7.7



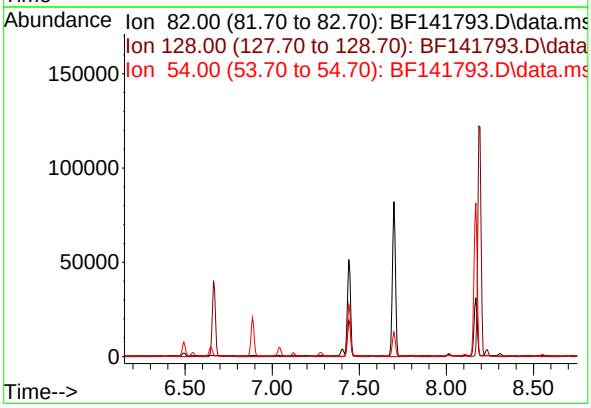


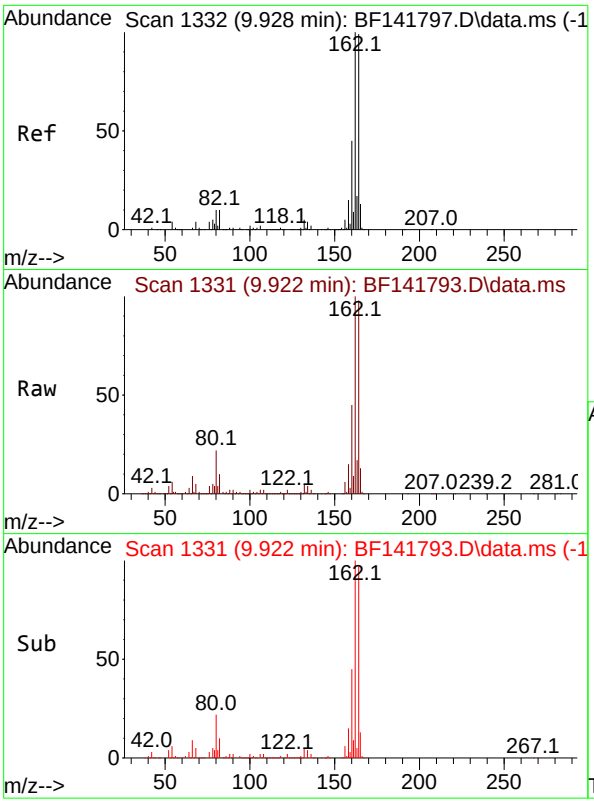
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.45 min

Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	41.9
54	53.4



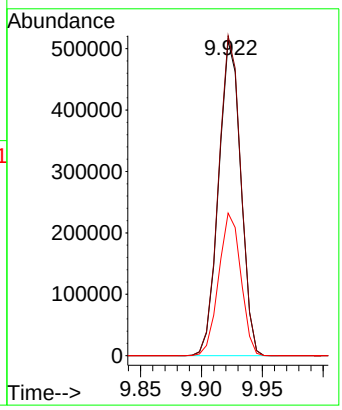


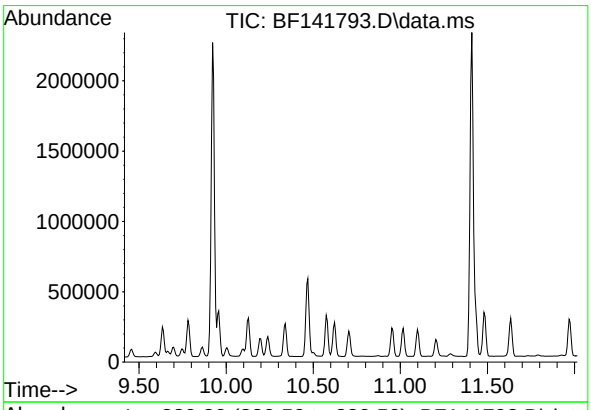
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 650007

Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.6	120.8
160	45.3	36.3	54.5



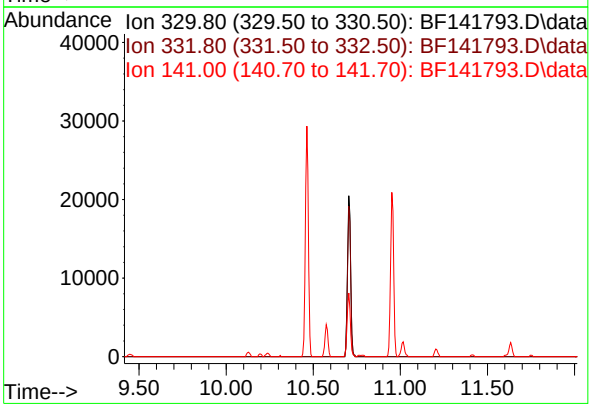


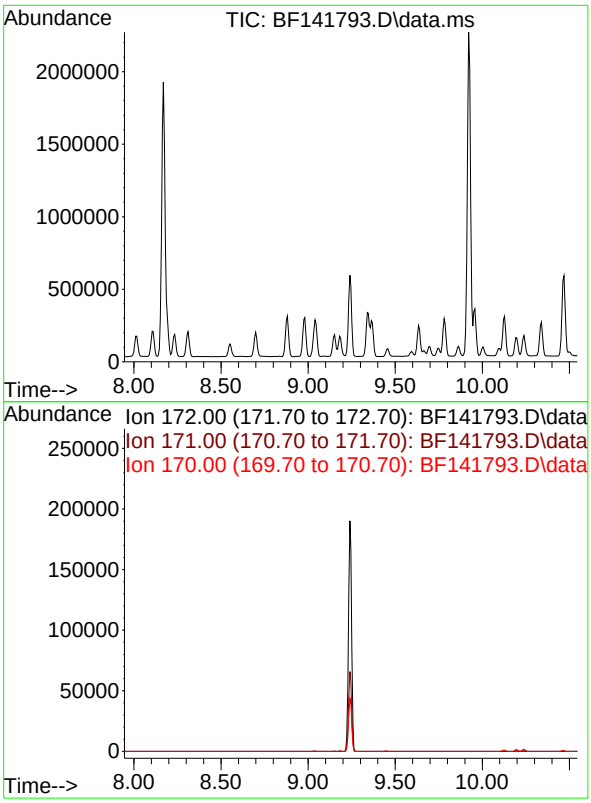
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.72 min

Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	95.8
141	36.2





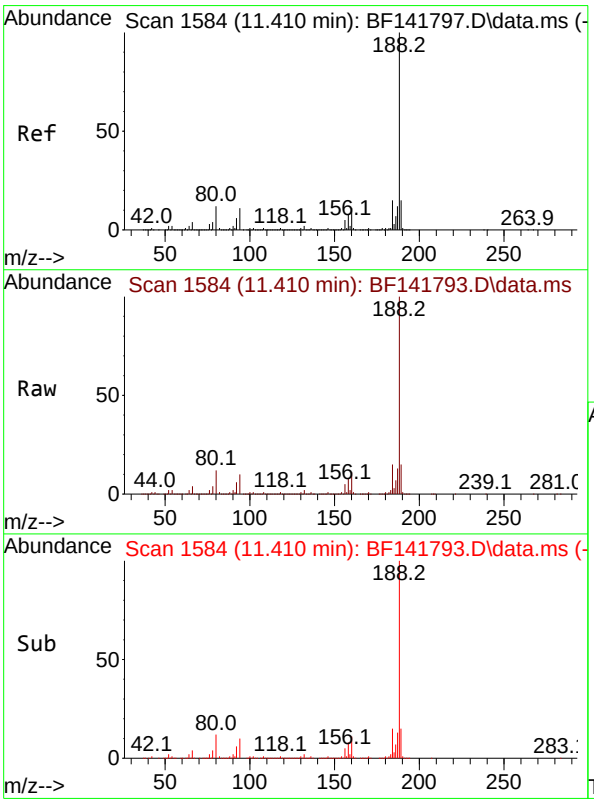
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.25 min

Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

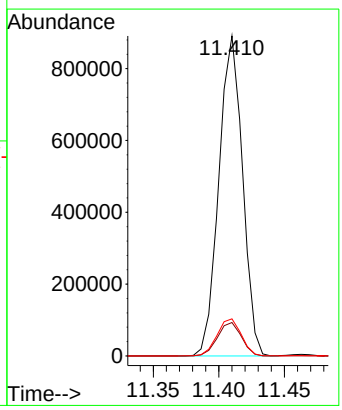
Sig	Exp Ratio
172	100
171	36.5
170	24.6

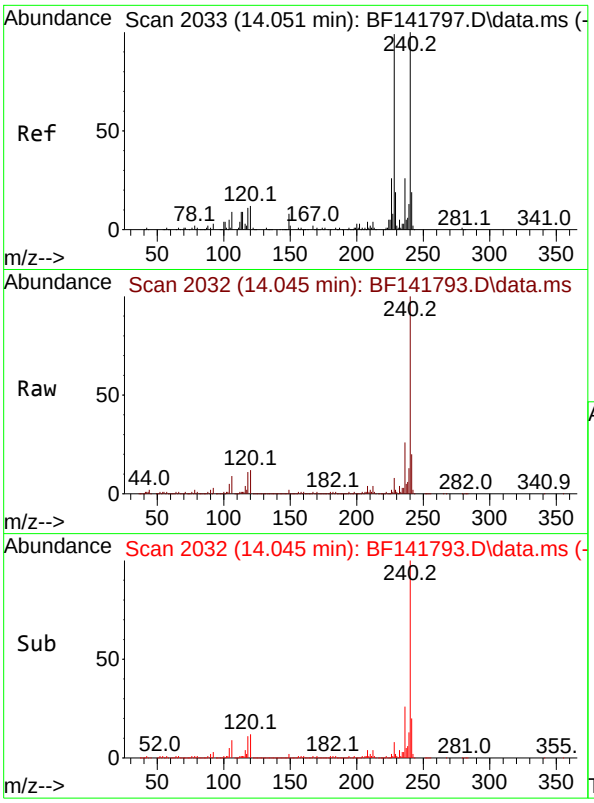


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

Tgt Ion:188 Resp: 1119232

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.9	13.3
80	11.6	9.7	14.5



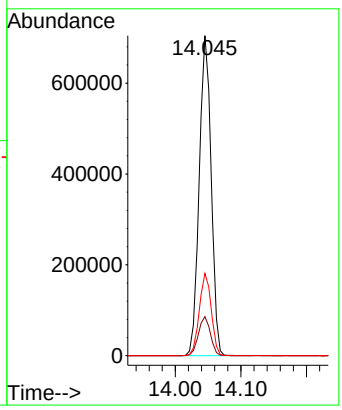


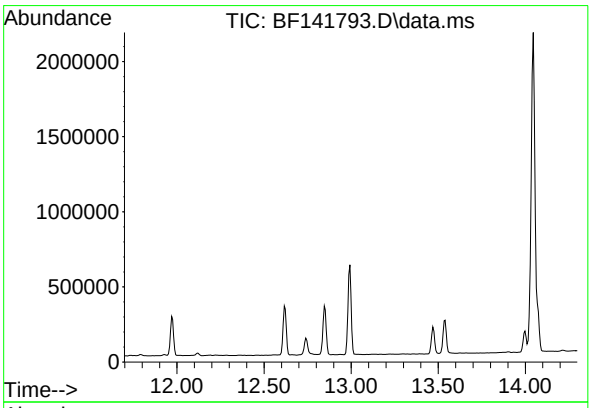
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 894958

Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.7	14.5
236	25.7	21.0	31.4



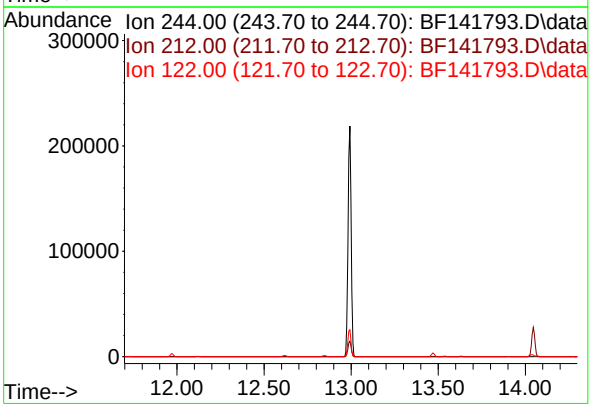


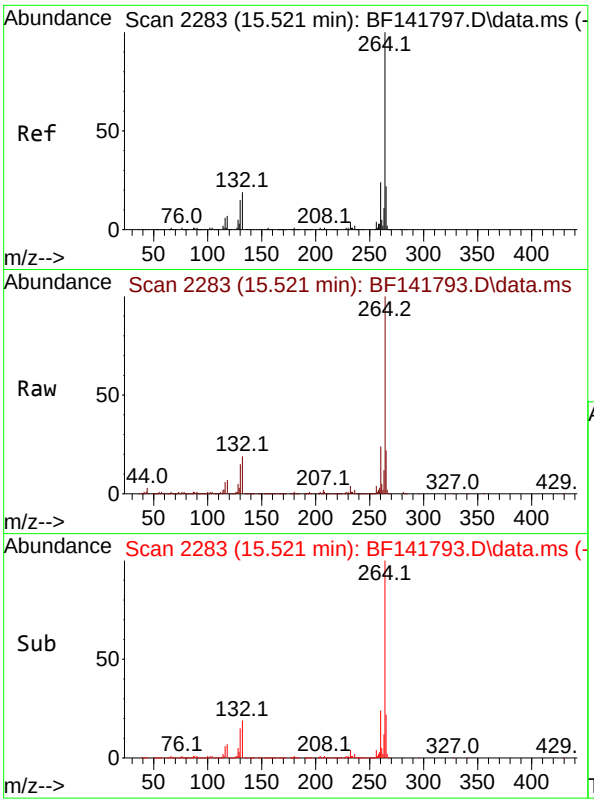
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.00 min

Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.5
122	11.3



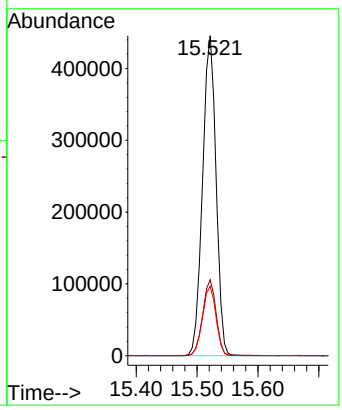


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 684814

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	21.7	17.4	26.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141794.D
Acq On : 27 Feb 2025 15:46
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 28 01:23:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.887	152	281554	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	1128074	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	643922	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	1101046	20.000	ng		0.00
76) Chrysene-d12	14.045	240	852555	20.000	ng		0.00
86) Perylene-d12	15.521	264	648925	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	189803	10.766	ng		0.00
7) Phenol-d6	6.493	99	246391	10.737	ng		-0.02
23) Nitrobenzene-d5	7.440	82	139940	7.929	ng		-0.01
42) 2,4,6-Tribromophenol	10.704	330	56406	9.331	ng		-0.01
45) 2-Fluorobiphenyl	9.239	172	464621	11.570	ng		0.00
79) Terphenyl-d14	12.992	244	532855	10.112	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.687	88	43124	5.391	ng		98
3) Pyridine	3.458	79	98722	4.960	ng		97
4) n-Nitrosodimethylamine	3.381	42	44659	4.663	ng	#	97
6) Aniline	6.546	93	122918m	5.180	ng		
8) 2-Chlorophenol	6.663	128	101533	5.324	ng		98
9) Benzaldehyde	6.434	77	81024	6.070	ng		99
10) Phenol	6.504	94	130523m	5.339	ng		
11) bis(2-Chloroethyl)ether	6.616	93	96953	5.187	ng		100
12) 1,3-Dichlorobenzene	6.828	146	108688	5.321	ng		99
13) 1,4-Dichlorobenzene	6.904	146	109382	5.315	ng		99
14) 1,2-Dichlorobenzene	7.057	146	105070	5.468	ng		98
15) Benzyl Alcohol	7.016	79	94845	5.172	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	150528	5.303	ng		100
17) 2-Methylphenol	7.122	107	81304	5.165	ng		97
18) Hexachloroethane	7.404	117	39359	5.110	ng		99
19) n-Nitroso-di-n-propyla...	7.287	70	79943	5.300	ng		99
20) 3+4-Methylphenols	7.275	107	106084	5.412	ng		93
22) Acetophenone	7.287	105	152122	5.537	ng	#	97
24) Nitrobenzene	7.463	77	76930	4.071	ng		96
25) Isophorone	7.698	82	197960	5.221	ng		99
26) 2-Nitrophenol	7.781	139	22354	6.947	ng		97
27) 2,4-Dimethylphenol	7.810	122	72631	5.211	ng		99
28) bis(2-Chloroethoxy)met...	7.910	93	130473	5.395	ng		98
29) 2,4-Dichlorophenol	8.016	162	79008	4.914	ng		99
30) 1,2,4-Trichlorobenzene	8.110	180	92399	5.244	ng		98
31) Naphthalene	8.192	128	321546	5.546	ng		98
33) 4-Chloroaniline	8.234	127	113407	5.335	ng		98
34) Hexachlorobutadiene	8.310	225	56205	5.134	ng		99
35) Caprolactam	8.557	113	24467	4.946	ng		95
36) 4-Chloro-3-methylphenol	8.698	107	93983	5.262	ng		97
37) 2-Methylnaphthalene	8.881	142	214971	5.653	ng		97
38) 1-Methylnaphthalene	8.981	142	207097	5.676	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	98100	5.275	ng		97
41) Hexachlorocyclopentadiene	9.034	237	34990	4.508	ng		98
43) 2,4,6-Trichlorophenol	9.151	196	57097	4.753	ng		98
44) 2,4,5-Trichlorophenol	9.187	196	55979	4.706	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141794.D
Acq On : 27 Feb 2025 15:46
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

Quant Time: Feb 28 01:23:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.345	154	272648	5.563	ng		97
47) 2-Chloronaphthalene	9.369	162	194915	5.388	ng		97
48) 2-Nitroaniline	9.457	65	24463	6.586	ng		98
49) Acenaphthylene	9.781	152	297257	5.481	ng		98
50) Dimethylphthalate	9.639	163	230425	5.344	ng		99
51) 2,6-Dinitrotoluene	9.698	165	21902	5.327	ng		98
52) Acenaphthene	9.957	154	195912	5.353	ng		97
53) 3-Nitroaniline	9.863	138	23458	5.471	ng	#	83
55) Dibenzofuran	10.128	168	297756	5.590	ng		96
56) 4-Nitrophenol	10.004	139	20838	3.272	ng		91
57) 2,4-Dinitrotoluene	10.098	165	24255	5.755	ng	#	96
58) Fluorene	10.469	166	230713	5.782	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	50417	4.873	ng		99
60) Diethylphthalate	10.339	149	230060	5.322	ng		98
61) 4-Chlorophenyl-phenyle...	10.463	204	111169	5.561	ng		98
62) 4-Nitroaniline	10.469	138	24006	3.260	ng	#	84
63) Azobenzene	10.622	77	248519	5.460	ng		98
66) n-Nitrosodiphenylamine	10.575	169	193204	5.344	ng		99
67) 4-Bromophenyl-phenylether	10.951	248	66312	5.156	ng		99
68) Hexachlorobenzene	11.016	284	69598	5.125	ng		100
69) Atrazine	11.098	200	58634	5.897	ng		98
70) Pentachlorophenol	11.204	266	37669	4.373	ng		99
71) Phenanthrene	11.433	178	326529	5.544	ng		99
72) Anthracene	11.481	178	331149	5.610	ng		98
73) Carbazole	11.633	167	295693	5.673	ng		98
74) Di-n-butylphthalate	11.969	149	367349	5.560	ng		99
75) Fluoranthene	12.622	202	353684	5.861	ng		97
78) Pyrene	12.845	202	361938	4.903	ng		98
80) Butylbenzylphthalate	13.469	149	116439	4.341	ng		99
81) Benzo(a)anthracene	14.033	228	291373	5.174	ng		98
82) 3,3'-Dichlorobenzidine	13.998	252	86483	5.353	ng		97
83) Chrysene	14.069	228	277632	5.348	ng		99
84) Bis(2-ethylhexyl)phtha...	14.033	149	149689	4.482	ng		99
85) Di-n-octyl phthalate	14.645	149	192390	3.848	ng		99
87) Indeno(1,2,3-cd)pyrene	16.998	276	178035	4.309	ng		99
88) Benzo(b)fluoranthene	15.086	252	233991	5.294	ng		98
89) Benzo(k)fluoranthene	15.116	252	206614	5.499	ng		100
90) Benzo(a)pyrene	15.451	252	180486	5.091	ng		99
91) Dibenzo(a,h)anthracene	17.021	278	146279	4.337	ng		97
92) Benzo(g,h,i)perylene	17.445	276	145755	4.218	ng		99

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

ICAL Form

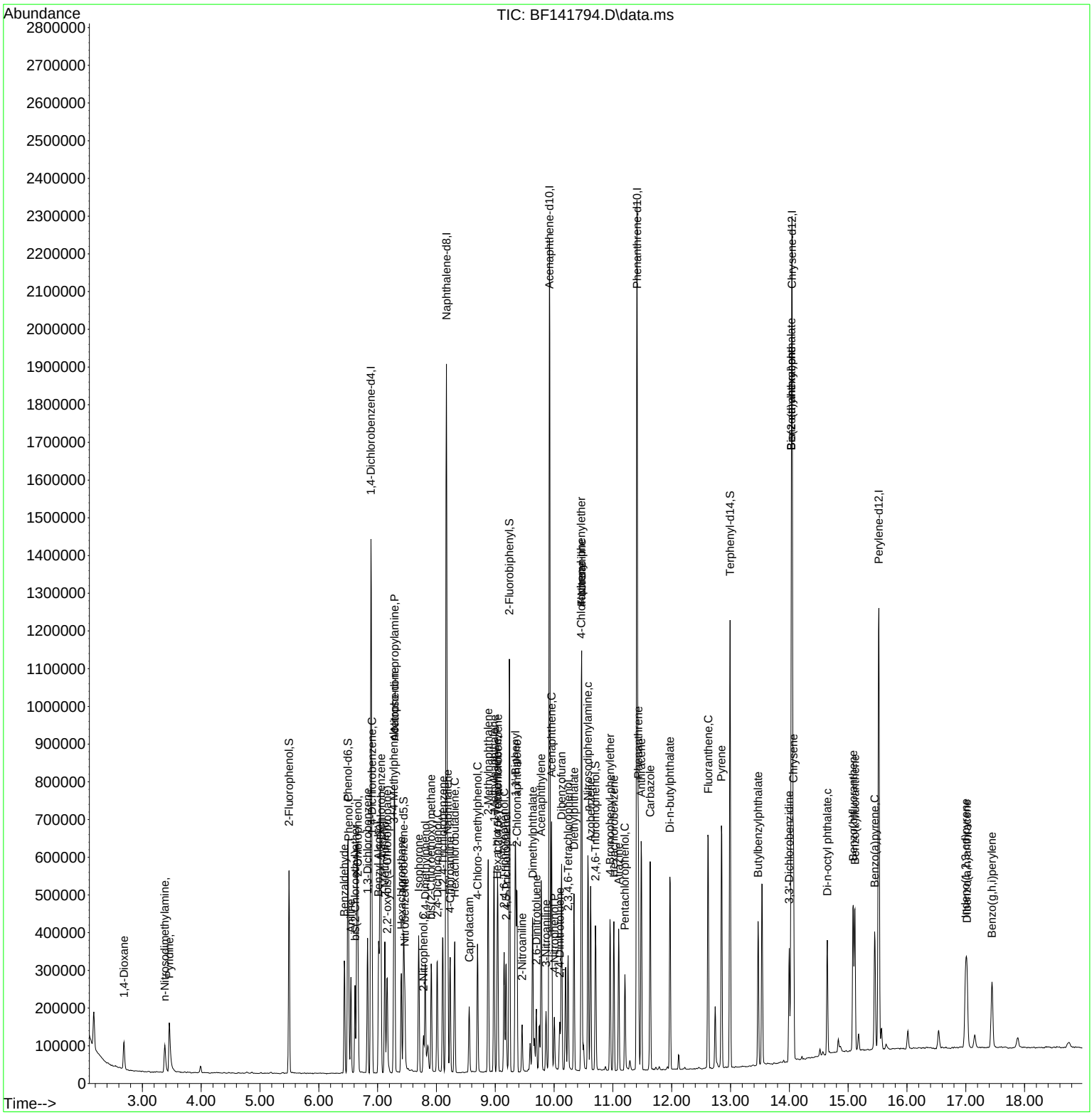
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141794.D
Acq On : 27 Feb 2025 15:46
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

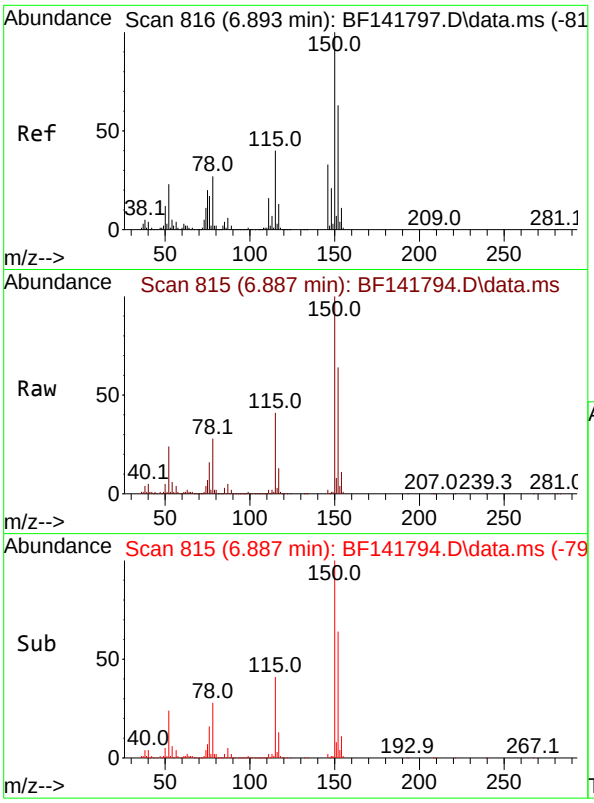
Quant Time: Feb 28 01:23:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

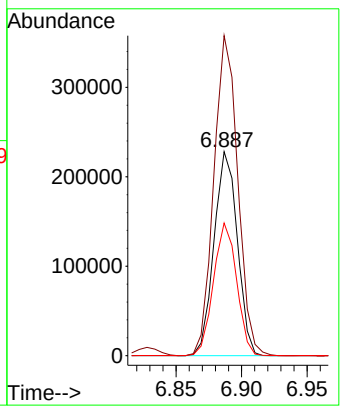




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:152 Resp: 28155

Ion	Ratio	Lower	Upper
152	100		
150	156.8	127.5	191.3
115	65.0	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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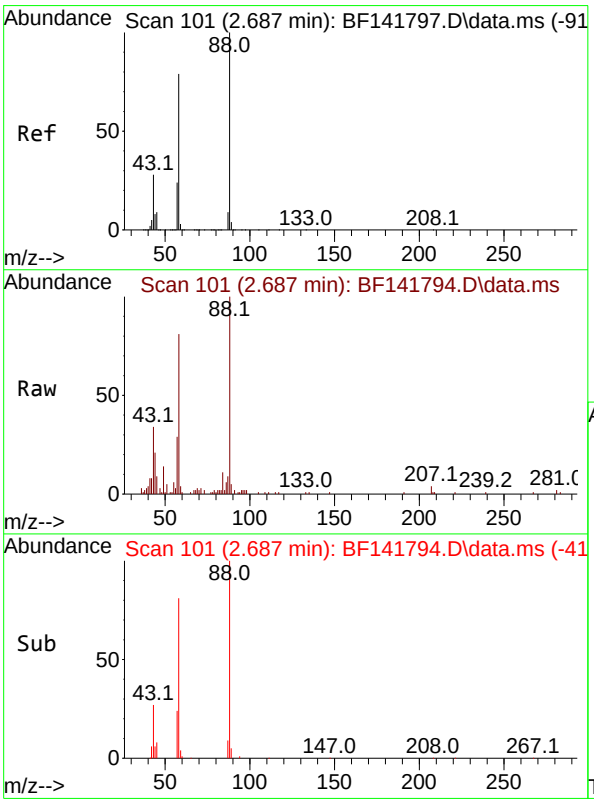
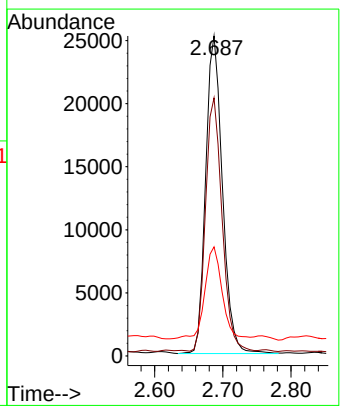
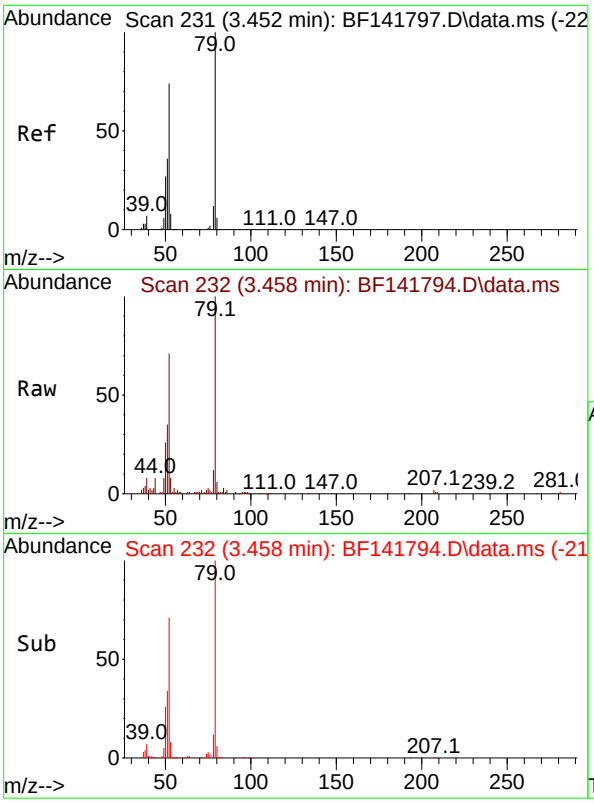


#2
1,4-Dioxane
Concen: 5.391 ng
RT: 2.687 min Scan# 101
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 88 Resp: 43124

Ion	Ratio	Lower	Upper
88	100		
58	78.5	63.9	95.9
43	29.6	23.0	34.6

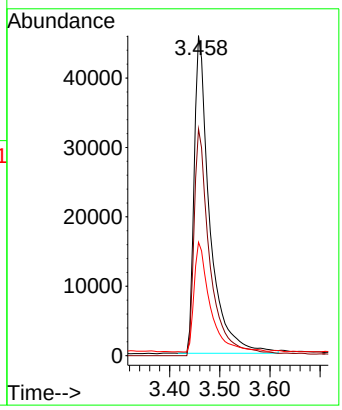




#3
Pyridine
Concen: 4.960 ng
RT: 3.458 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 79 Resp: 9872

Ion	Ratio	Lower	Upper
79	100		
52	70.9	59.0	88.4
51	35.5	29.0	43.4



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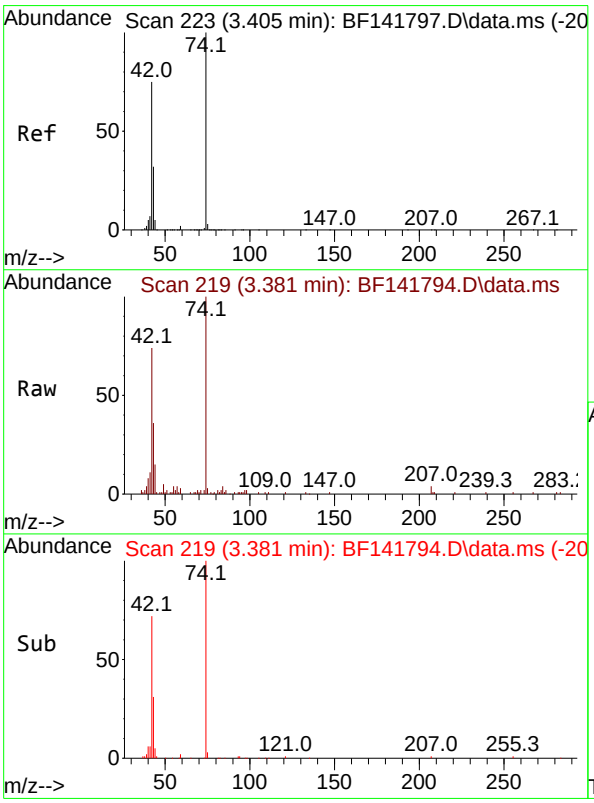
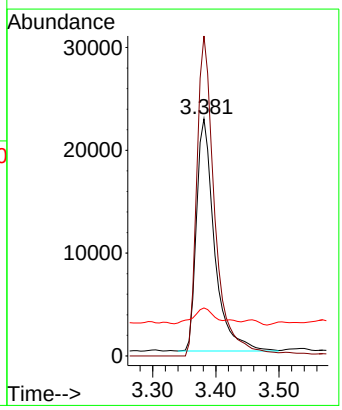
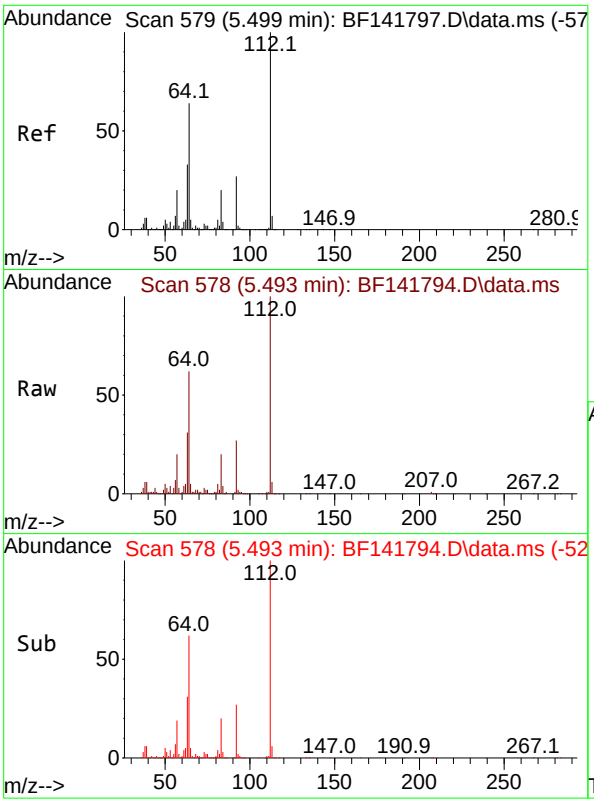


#4
n-Nitrosodimethylamine
Concen: 4.663 ng
RT: 3.381 min Scan# 219
Delta R.T. -0.024 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 42 Resp: 44659

Ion	Ratio	Lower	Upper
42	100		
74	134.9	107.1	160.7
44	20.2	6.6	9.8#





#5
2-Fluorophenol
Concen: 10.766 ng
RT: 5.493 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:112 Resp: 18980

Ion	Ratio	Lower	Upper
112	100		
64	61.7	51.3	76.9
63	31.3	26.2	39.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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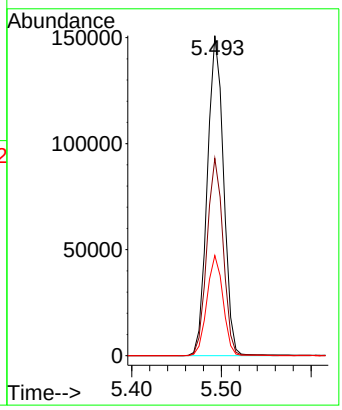
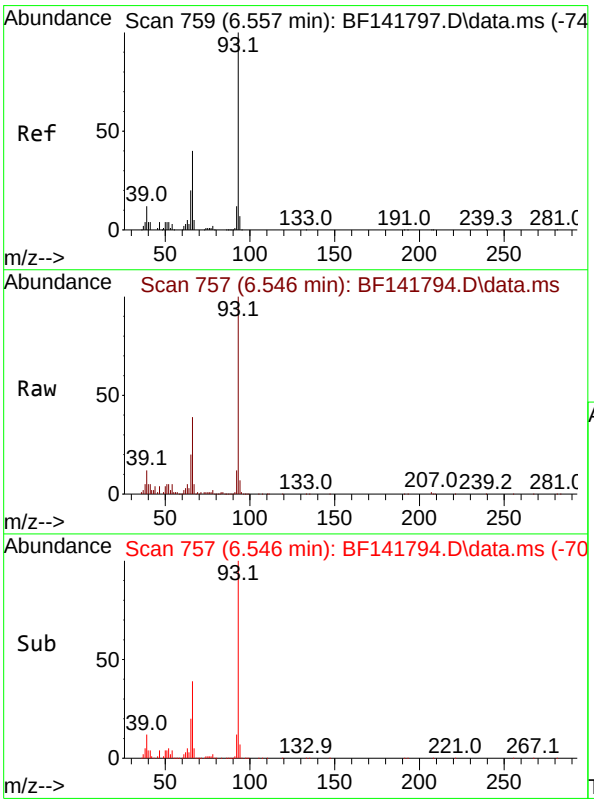
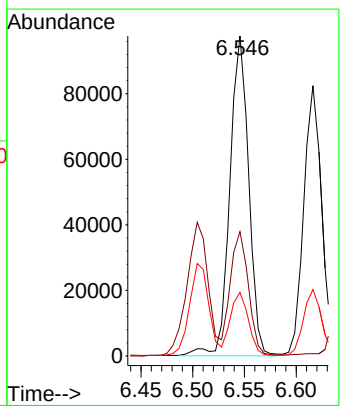


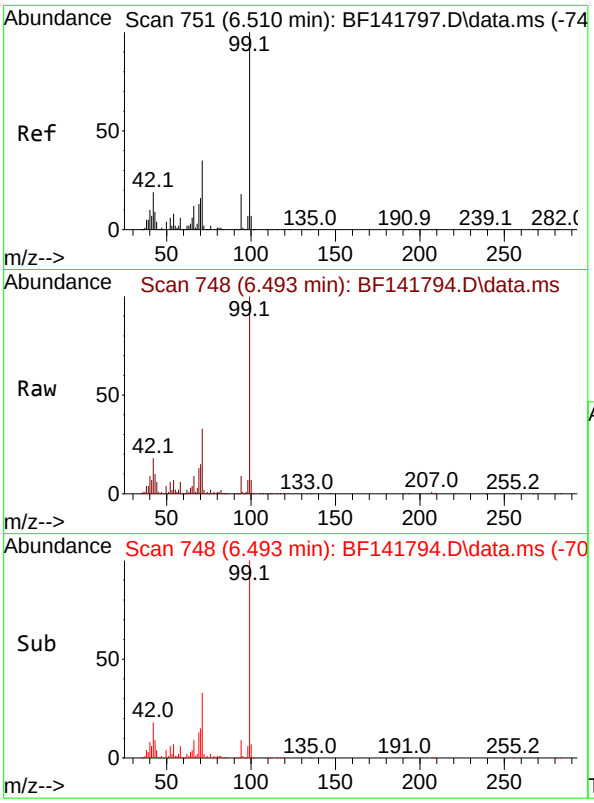


#6
Aniline
Concen: 5.180 ng m
RT: 6.546 min Scan# 757
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 93 Resp: 122918

Ion	Ratio	Lower	Upper
93	100		
66	38.8	32.3	48.5
65	19.9	15.9	23.9

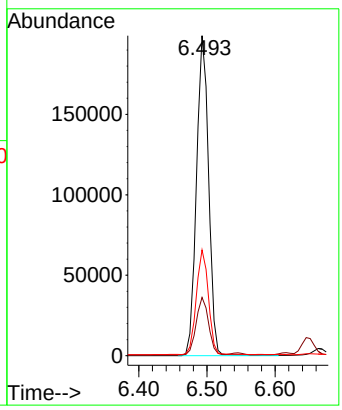




#7
Phenol-d6
Concen: 10.737 ng
RT: 6.493 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 99 Resp: 24639

Ion	Ratio	Lower	Upper
99	100		
42	18.2	15.2	22.8
71	33.0	28.2	42.2



Instrument :
BNA_F
ClientSampleId :
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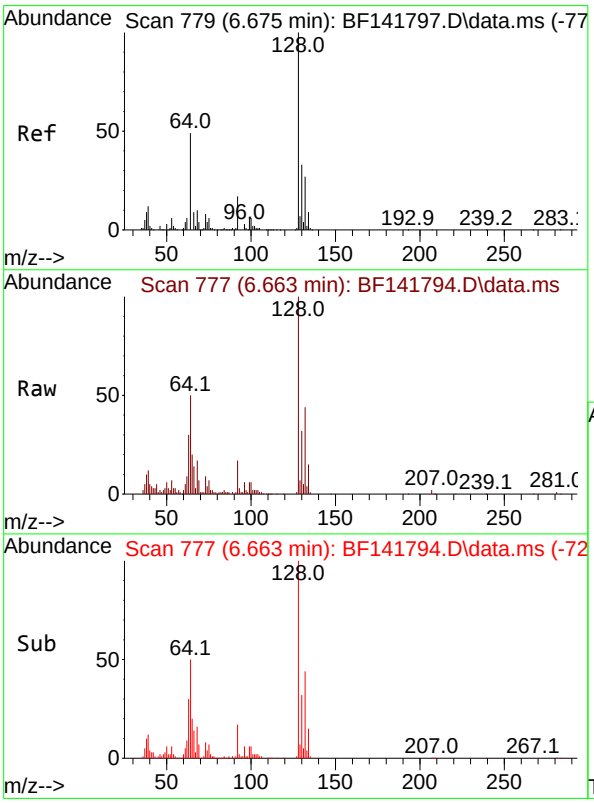
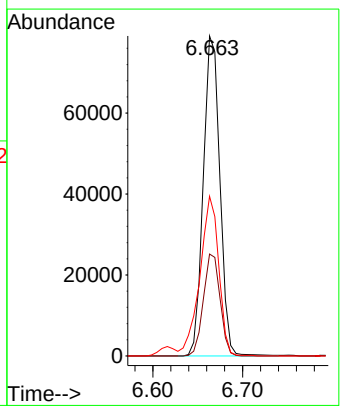
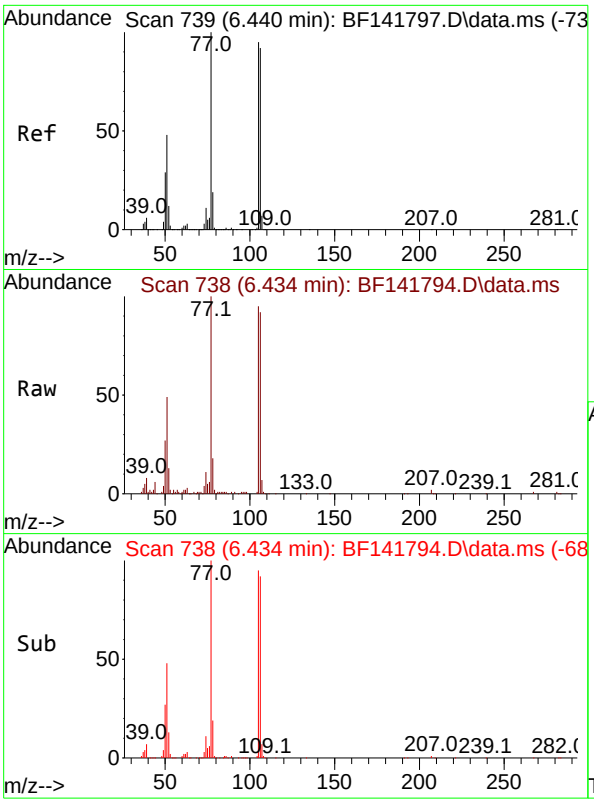


#8
2-Chlorophenol
Concen: 5.324 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:128 Resp: 101533

Ion	Ratio	Lower	Upper
128	100		
130	31.8	12.6	52.6
64	49.9	31.1	71.1

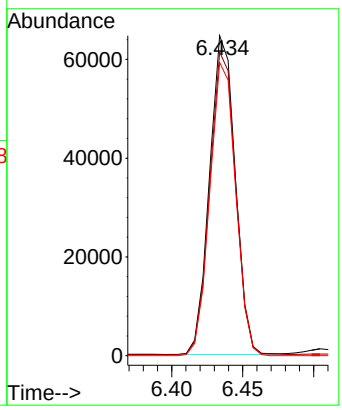




#9
Benzaldehyde
Concen: 6.070 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 77 Resp: 8102

Ion	Ratio	Lower	Upper
77	100		
105	94.9	75.3	115.3
106	91.6	72.3	112.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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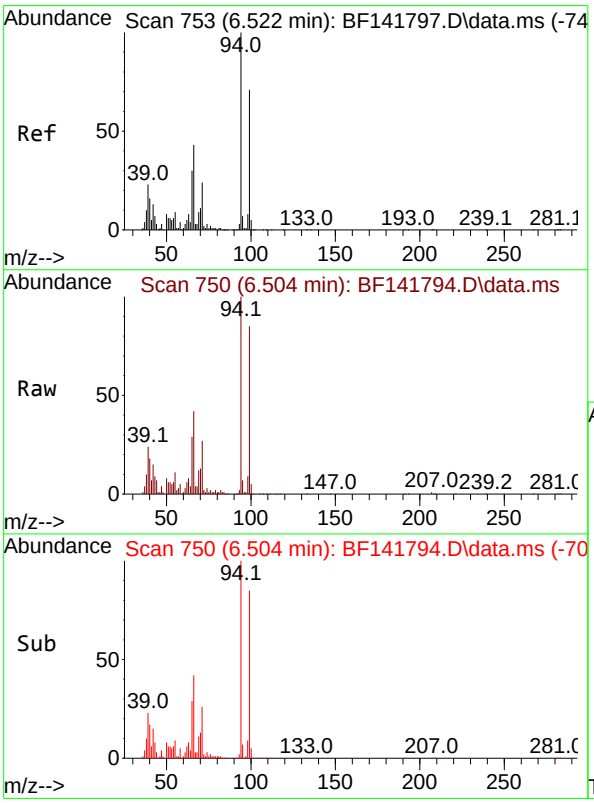
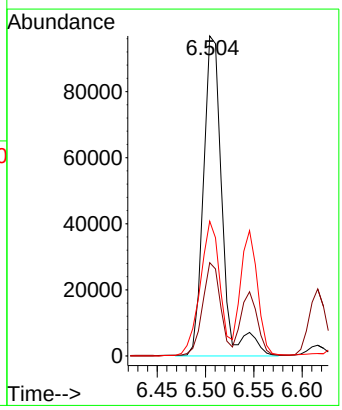
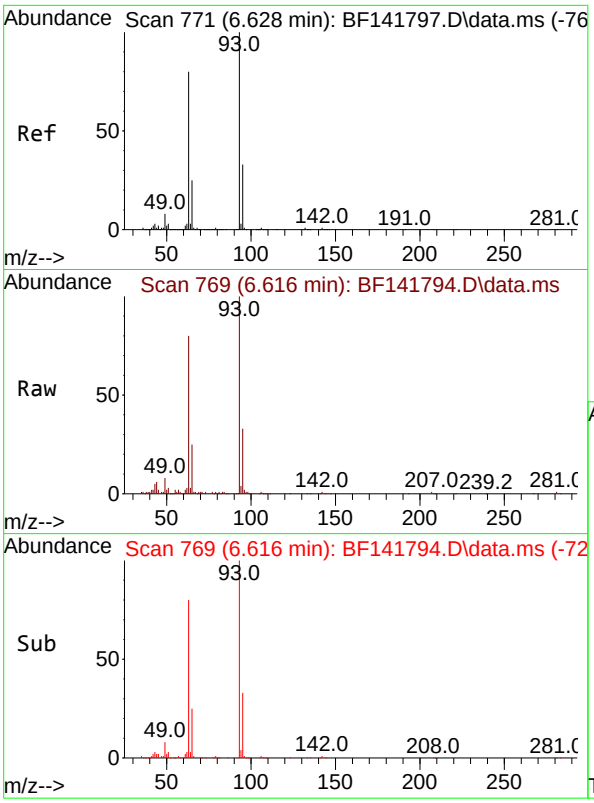


#10
Phenol
Concen: 5.339 ng m
RT: 6.504 min Scan# 750
Delta R.T. -0.018 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 94 Resp: 130523

Ion	Ratio	Lower	Upper
94	100		
65	29.1	10.2	50.2
66	42.1	23.2	63.2

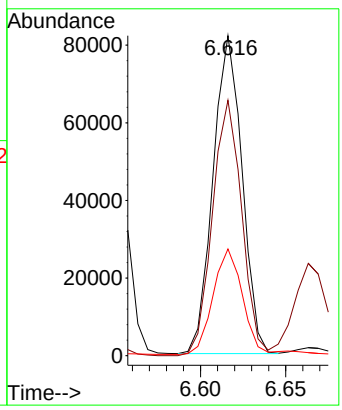




#11
bis(2-Chloroethyl)ether
Concen: 5.187 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 93 Resp: 9695

Ion	Ratio	Lower	Upper
93	100		
63	79.8	59.3	99.3
95	33.3	13.2	53.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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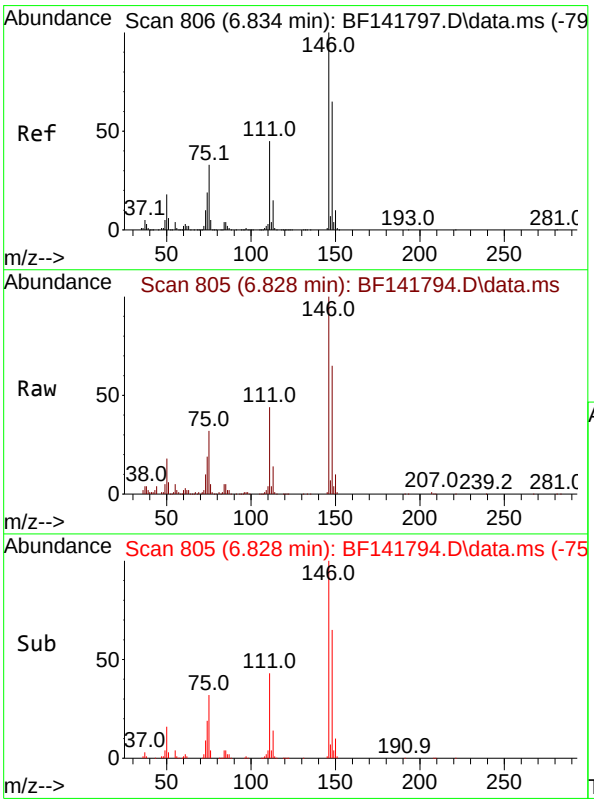
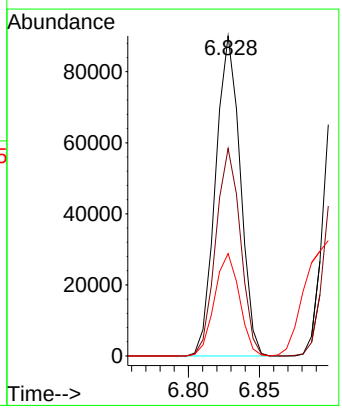
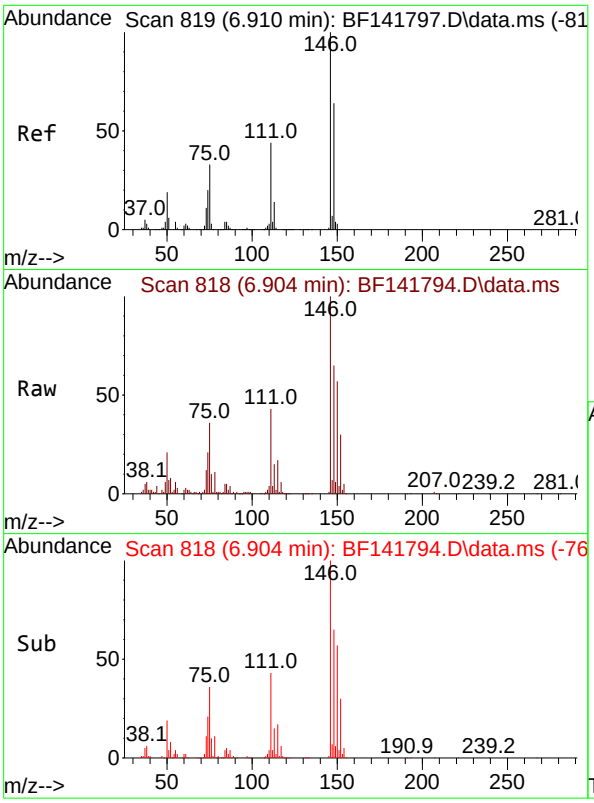


#12
1,3-Dichlorobenzene
Concen: 5.321 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:146 Resp: 108688

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.8	77.6
75	32.0	26.2	39.4

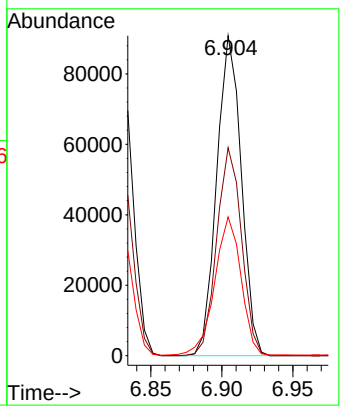




#13
1,4-Dichlorobenzene
Concen: 5.315 ng
RT: 6.904 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:146 Resp: 10938

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.4	77.2
111	43.4	35.5	53.3



Instrument :
BNA_F
ClientSampleId :
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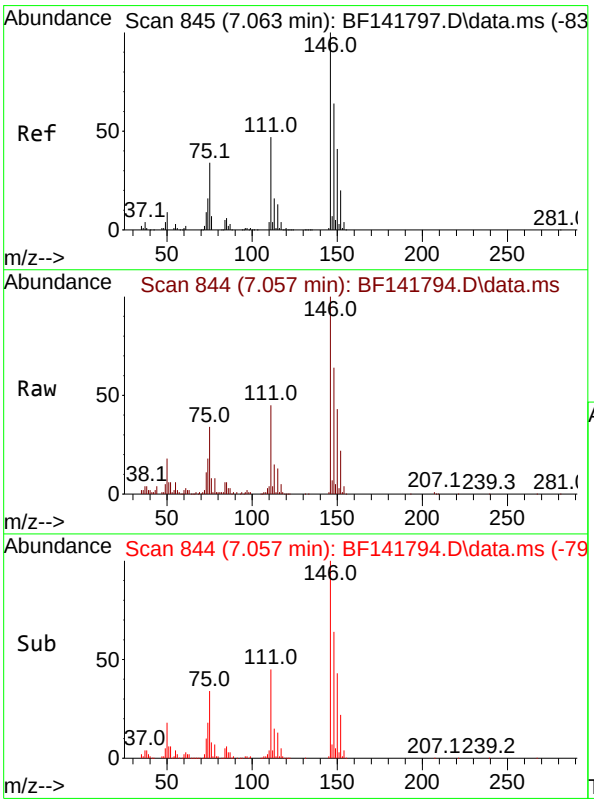
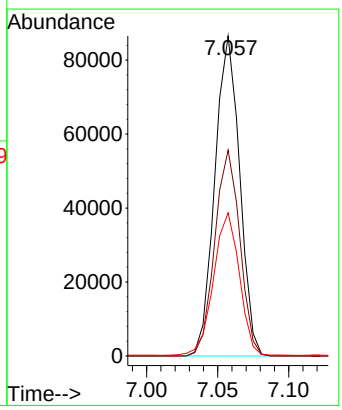
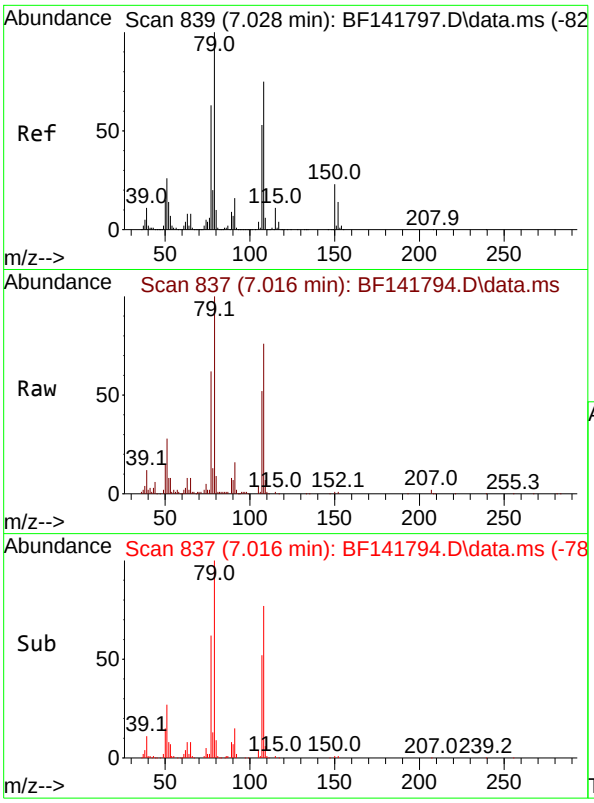


#14
1,2-Dichlorobenzene
Concen: 5.468 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:146 Resp: 105070

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.2	76.8
111	44.8	37.8	56.6





#15
Benzyl Alcohol
Concen: 5.172 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 79 Resp: 9484

Ion	Ratio	Lower	Upper
79	100		
108	76.3	60.2	90.2
77	61.8	50.2	75.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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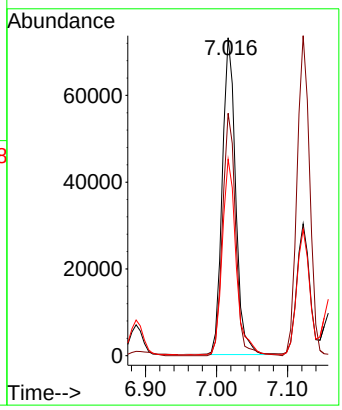
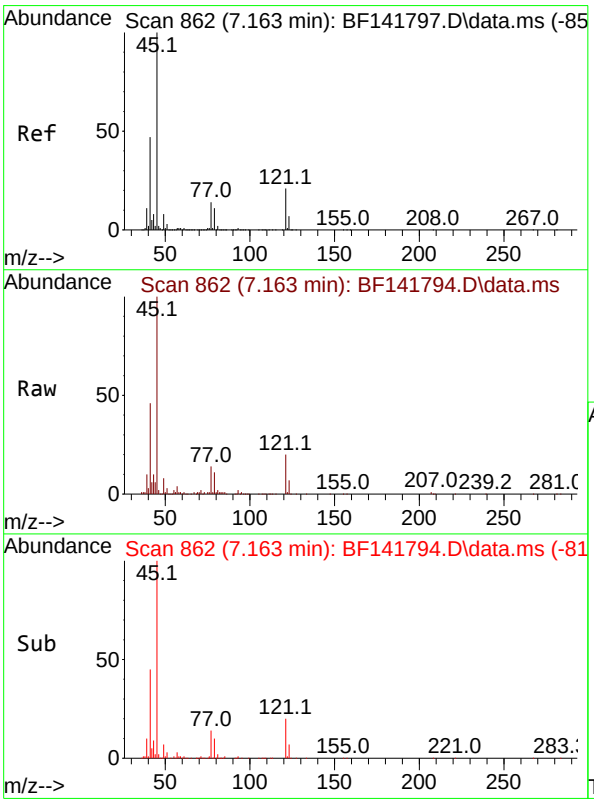
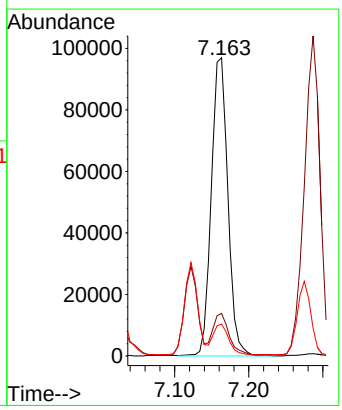


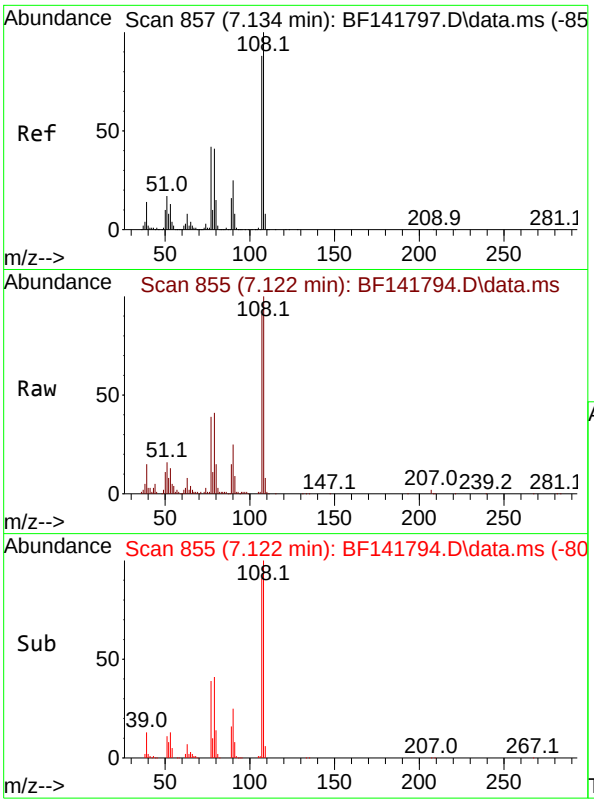


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.303 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 45 Resp: 150528

Ion	Ratio	Lower	Upper
45	100		
77	14.3	0.0	34.4
79	10.7	0.0	30.9

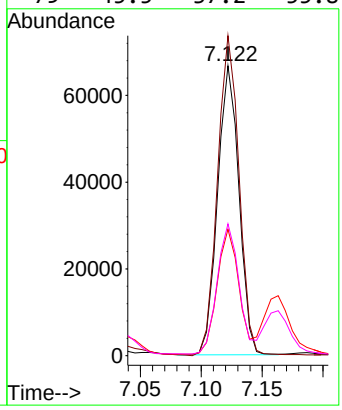




#17
2-Methylphenol
Concen: 5.165 ng
RT: 7.122 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:107 Resp: 8130

Ion	Ratio	Lower	Upper
107	100		
108	110.4	90.6	135.8
77	43.6	37.7	56.5
79	45.5	37.2	55.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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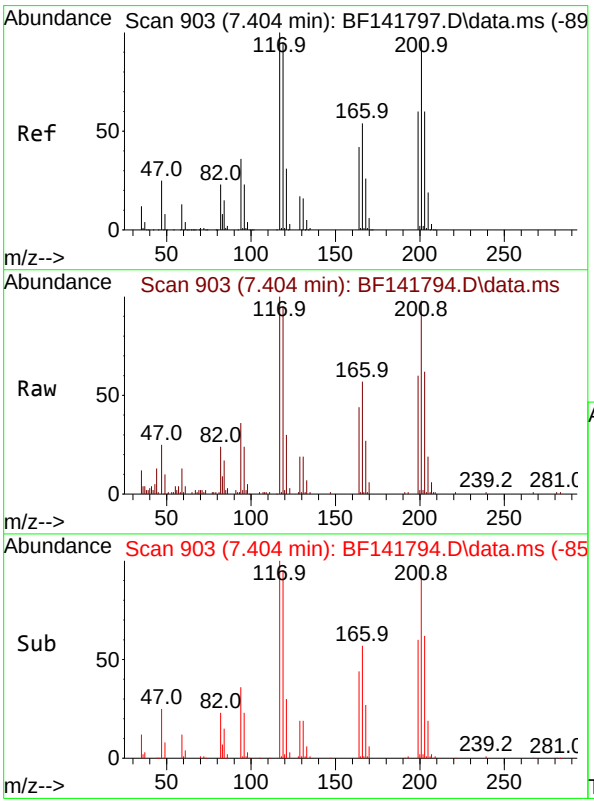
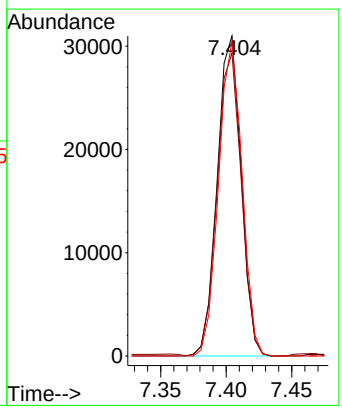
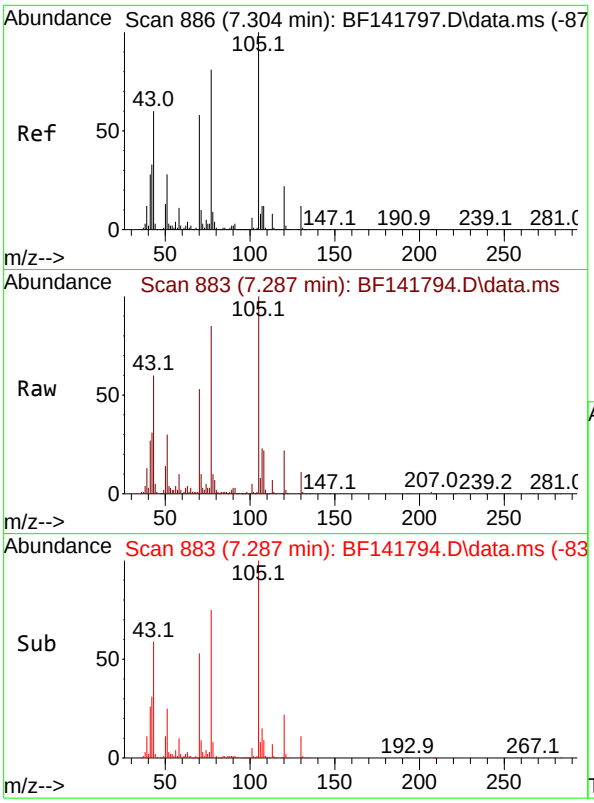


#18
Hexachloroethane
Concen: 5.110 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:117 Resp: 39359

Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.8	113.8
201	98.2	76.7	115.1

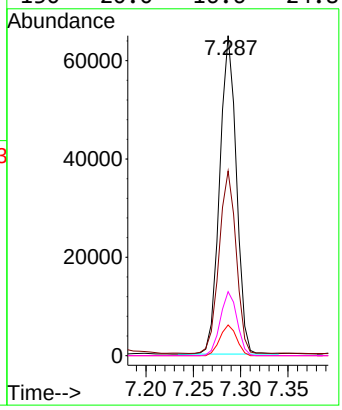




#19
n-Nitroso-di-n-propylamine
Concen: 5.300 ng
RT: 7.287 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 70 Resp: 7994

Ion	Ratio	Lower	Upper
70	100		
42	57.7	45.4	68.0
101	9.6	7.8	11.8
130	20.0	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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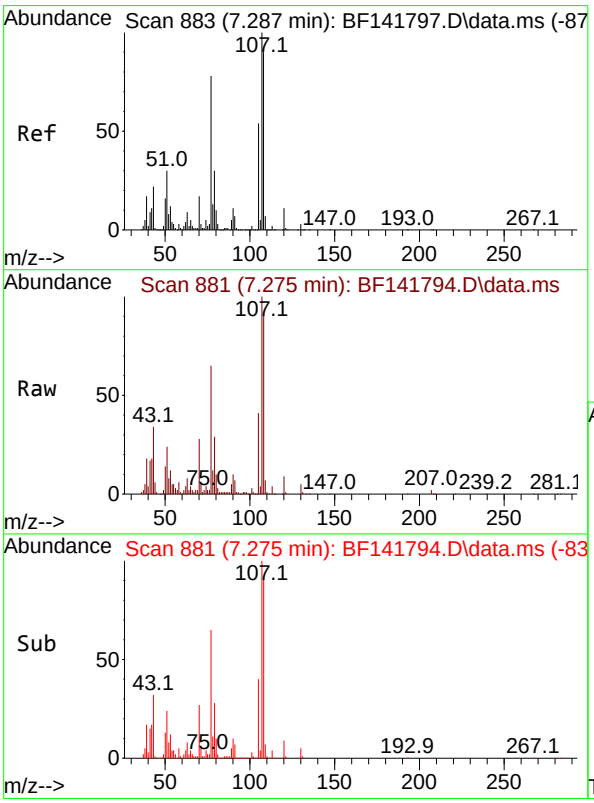
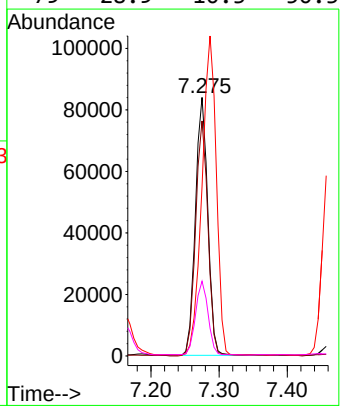
Supervised By :mohammad ahmed 02/28/2025

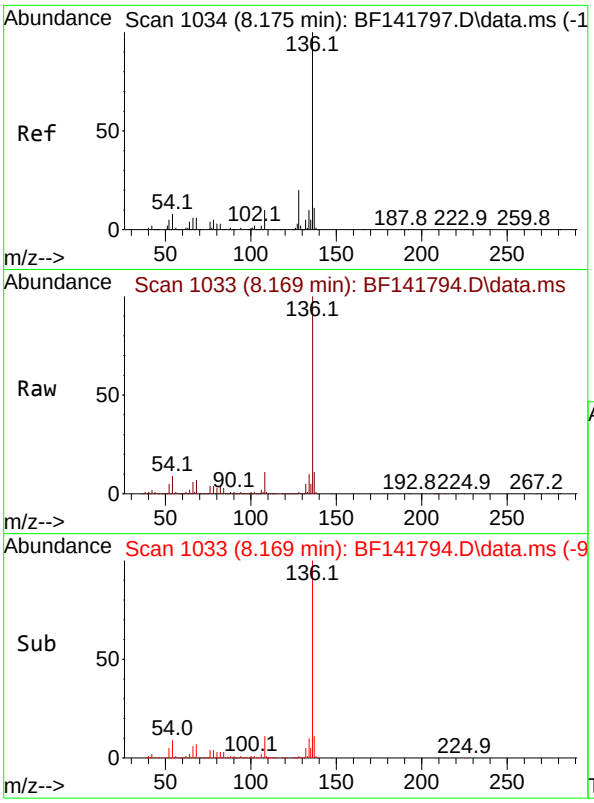


#20
3+4-Methylphenols
Concen: 5.412 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:107 Resp: 106084

Ion	Ratio	Lower	Upper
107	100		
108	90.9	69.7	109.7
77	65.5	58.3	98.3
79	28.9	10.3	50.3

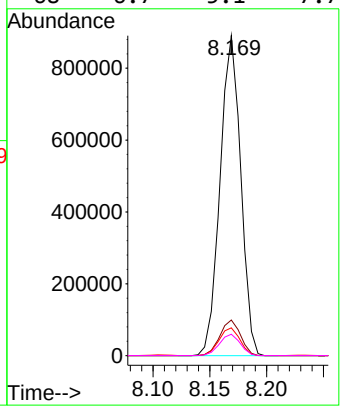




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:136 Resp: 112807

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.7	6.9	10.3
68	6.7	5.1	7.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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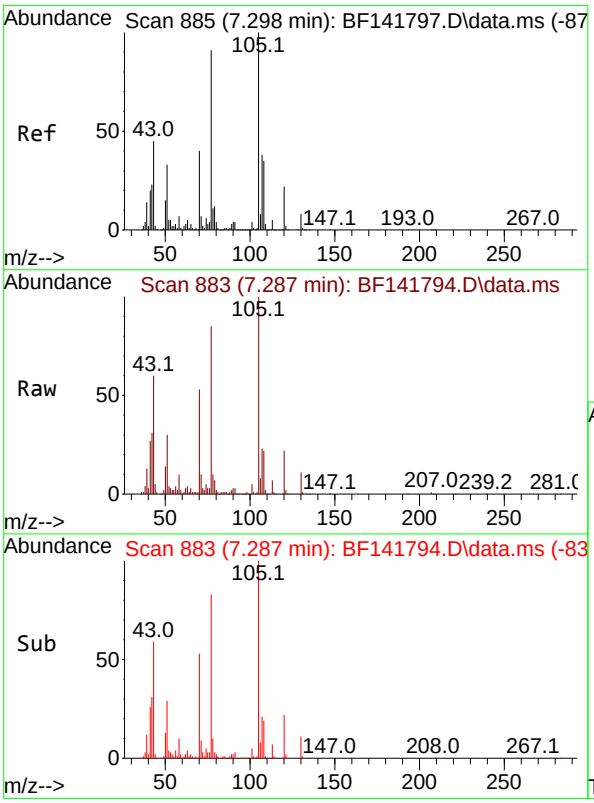
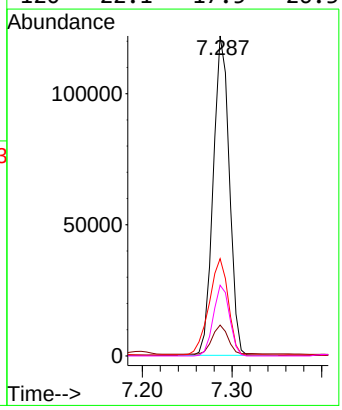
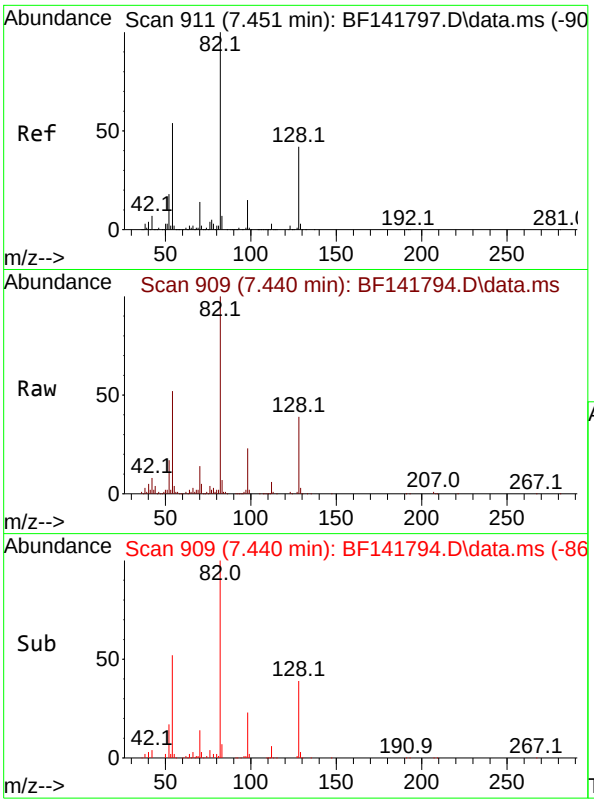


#22
Acetophenone
Concen: 5.537 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:105 Resp: 152122

Ion	Ratio	Lower	Upper
105	100		
71	9.7	5.4	8.0#
51	30.4	26.1	39.1
120	22.1	17.5	26.3





#23
Nitrobenzene-d5
Concen: 7.929 ng
RT: 7.440 min Scan# 9(
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 82 Resp: 13994(

Ion	Ratio	Lower	Upper
82	100		
128	38.6	33.5	50.3
54	52.3	42.7	64.1

Instrument :
BNA_F
ClientSampleId :
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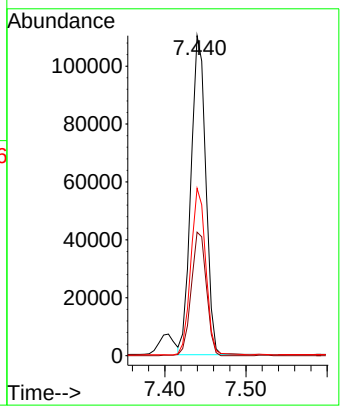
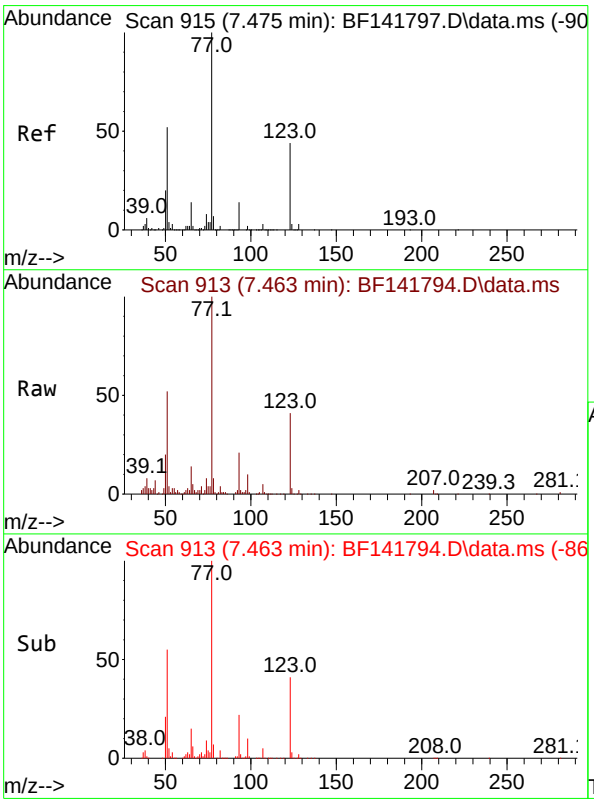
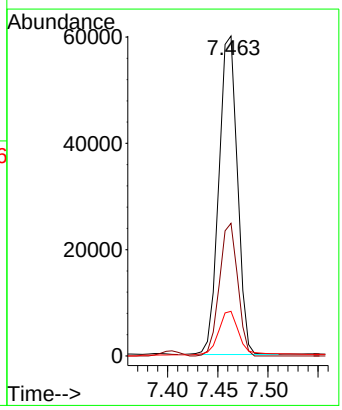


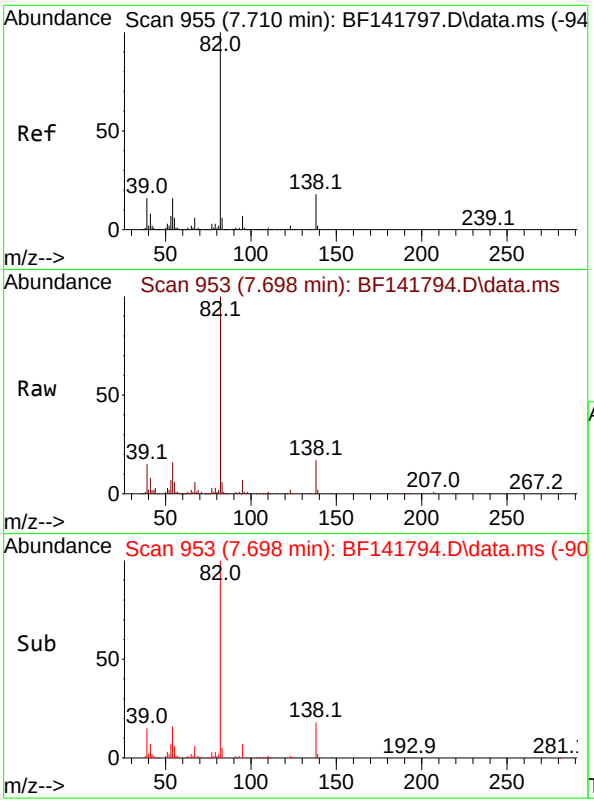


#24
Nitrobenzene
Concen: 4.071 ng
RT: 7.463 min Scan# 913
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 77 Resp: 76930

Ion	Ratio	Lower	Upper
77	100		
123	41.5	35.8	53.8
65	13.9	11.2	16.8





#25
Isophorone
Concen: 5.221 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 82 Resp: 19796

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.8	8.8
138	17.0	14.0	21.0

Instrument :
BNA_F
ClientSampleId :
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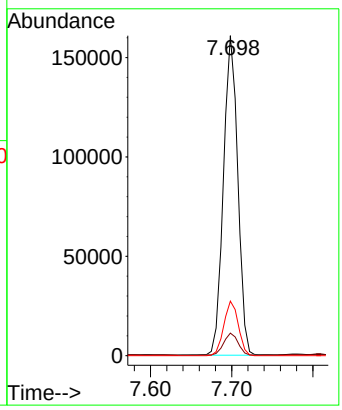
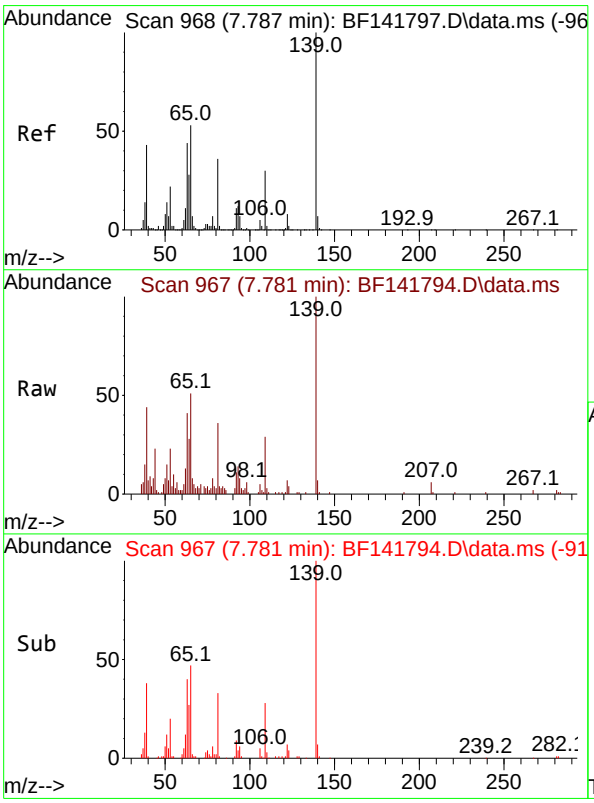
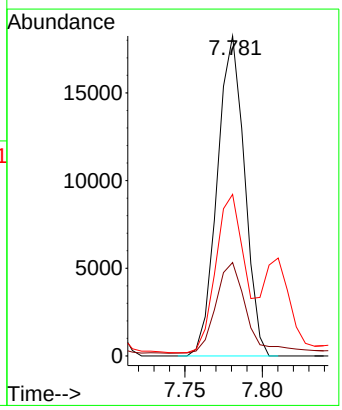


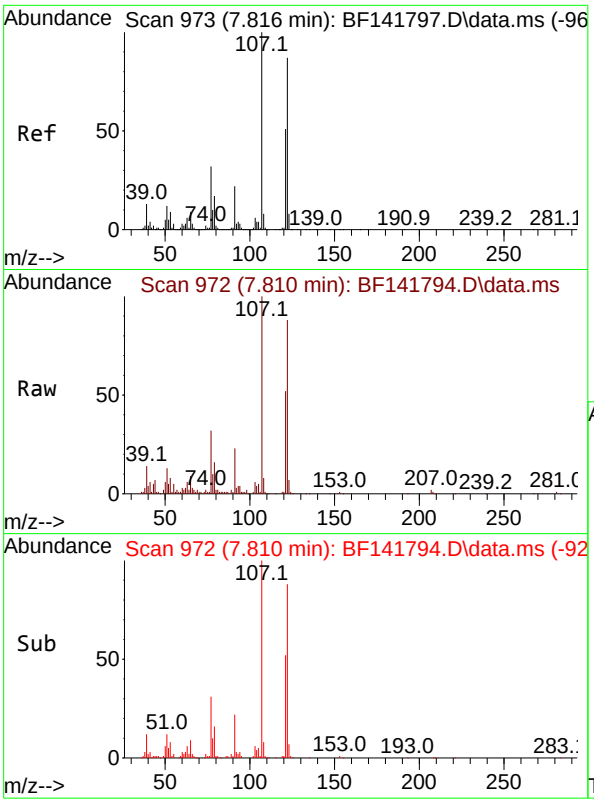


#26
2-Nitrophenol
Concen: 6.947 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:139 Resp: 22354

Ion	Ratio	Lower	Upper
139	100		
109	29.2	24.1	36.1
65	50.5	42.3	63.5





#27
2,4-Dimethylphenol
Concen: 5.211 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:122 Resp: 7263

Ion	Ratio	Lower	Upper
122	100		
107	113.3	92.5	138.7
121	59.0	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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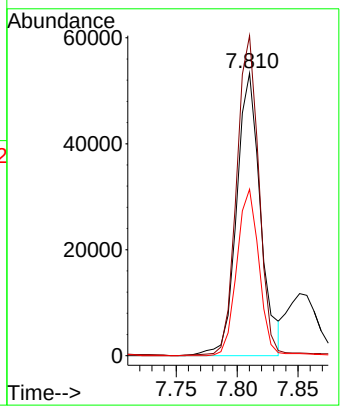
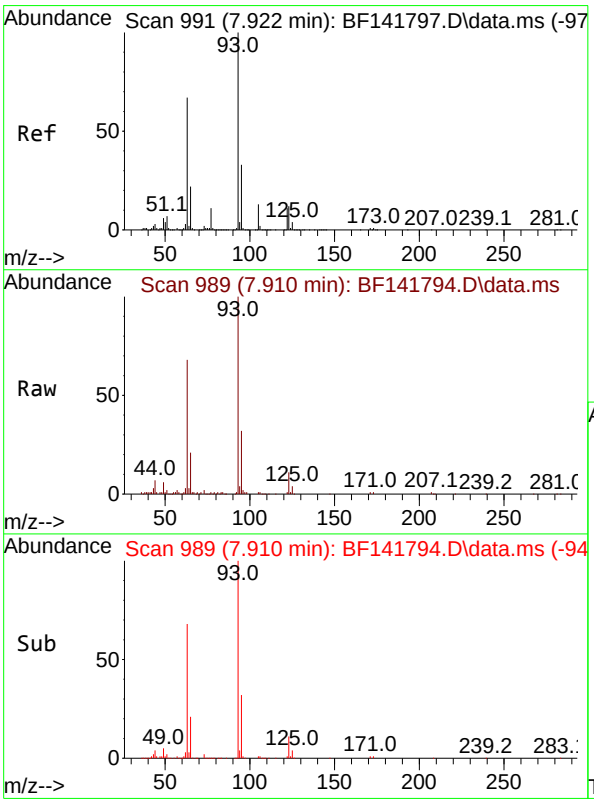
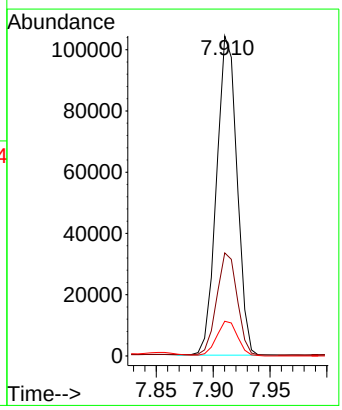


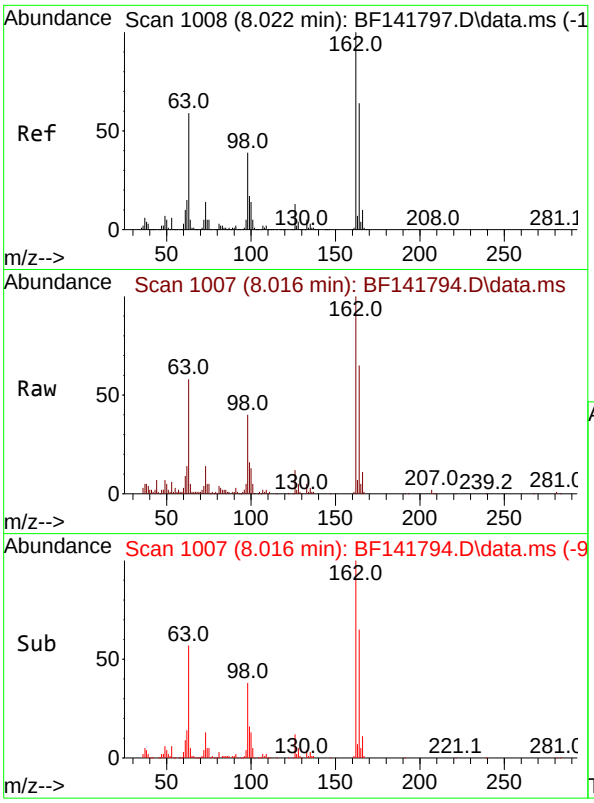


#28
bis(2-Chloroethoxy)methane
Concen: 5.395 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 93 Resp: 130473

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.5	39.7
123	10.9	10.0	15.0





#29
2,4-Dichlorophenol
Concen: 4.914 ng
RT: 8.016 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:162 Resp: 7900

Ion	Ratio	Lower	Upper
162	100		
164	65.2	44.3	84.3
98	39.6	19.6	59.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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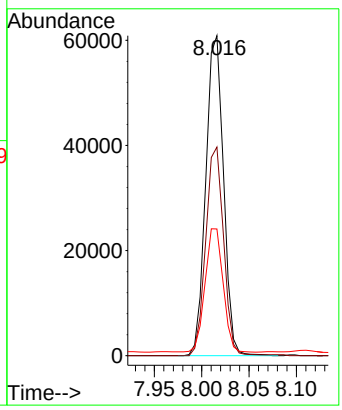
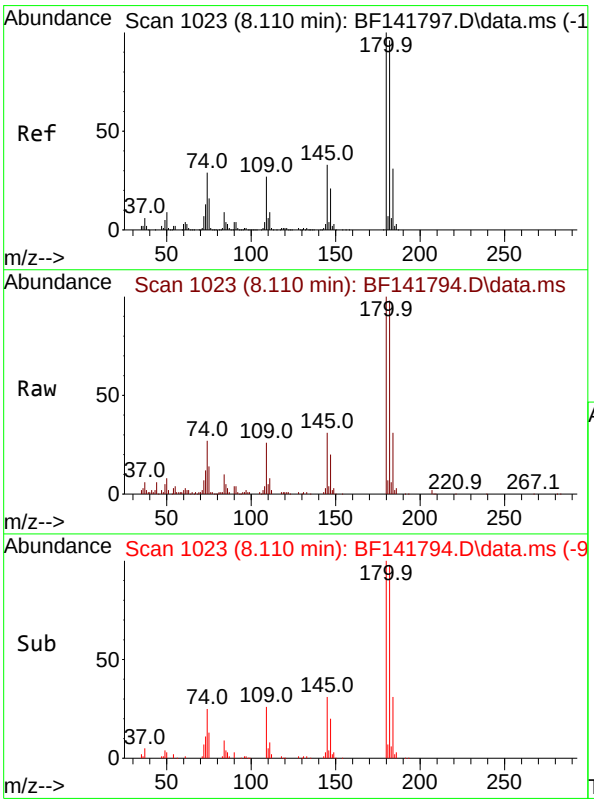
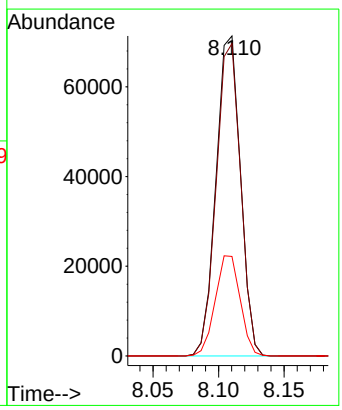


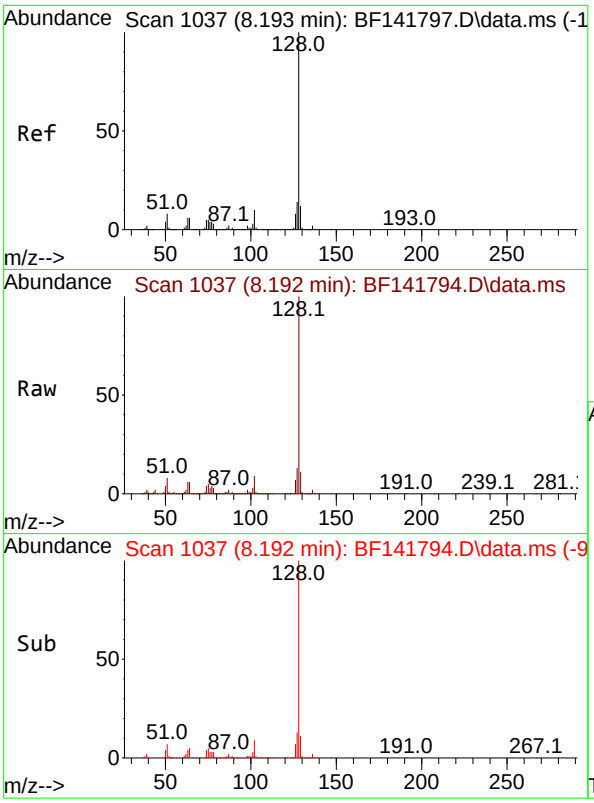


#30
1,2,4-Trichlorobenzene
Concen: 5.244 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:180 Resp: 92399

Ion	Ratio	Lower	Upper
180	100		
182	97.6	76.8	115.2
145	31.1	26.4	39.6

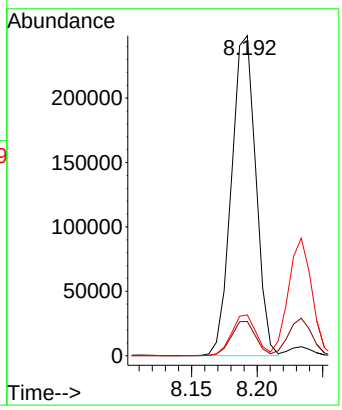




#31
Naphthalene
Concen: 5.546 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:128 Resp: 32154

Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.2	13.8
127	12.8	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
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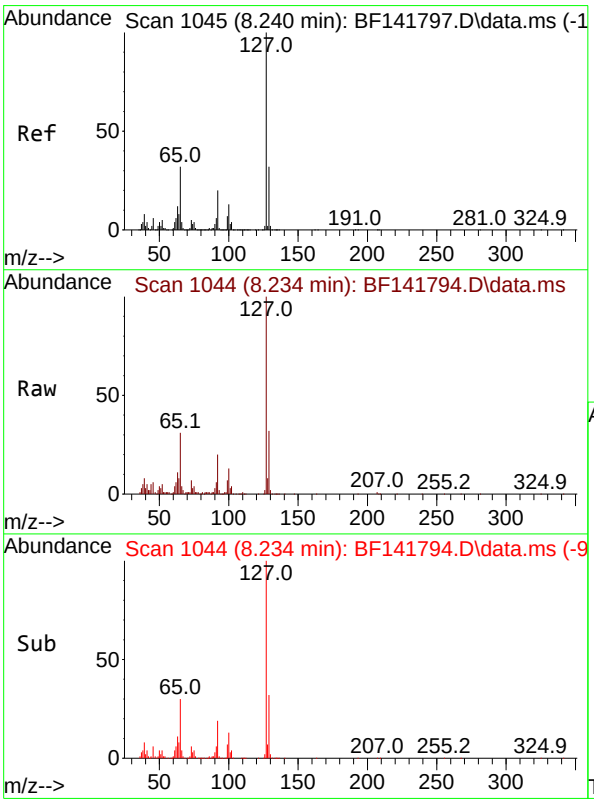
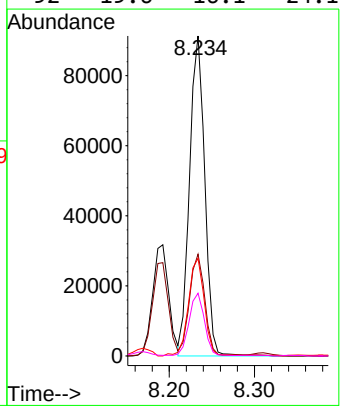
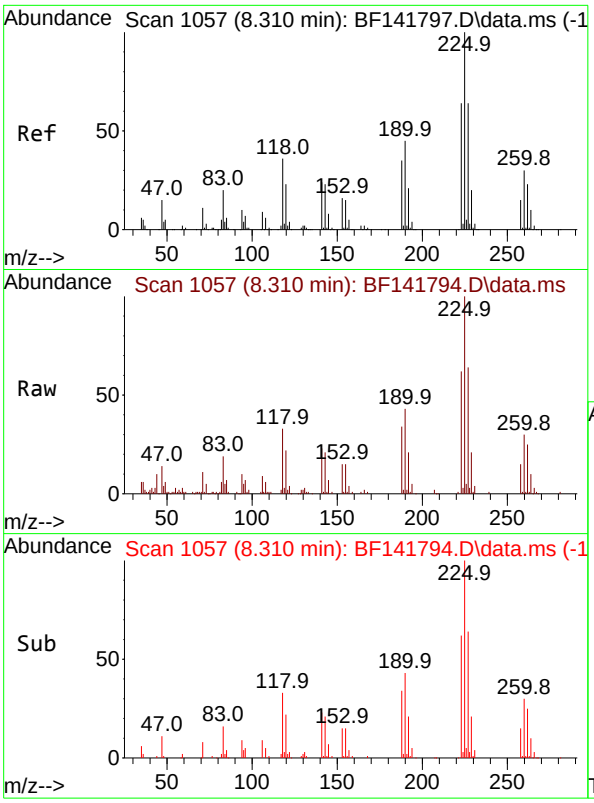


#33
4-Chloroaniline
Concen: 5.335 ng
RT: 8.234 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:127 Resp: 113407

Ion	Ratio	Lower	Upper
127	100		
129	31.8	26.1	39.1
65	30.5	25.7	38.5
92	19.6	16.1	24.1





#34
Hexachlorobutadiene
Concen: 5.134 ng
RT: 8.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:225 Resp: 5620

Ion	Ratio	Lower	Upper
225	100		
223	62.2	51.4	77.2
227	64.4	51.6	77.4

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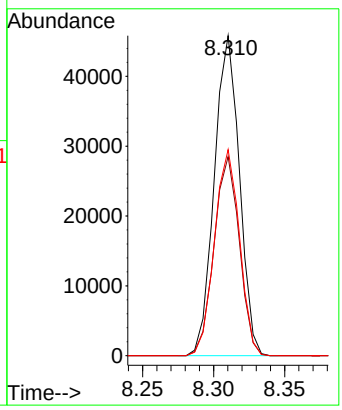
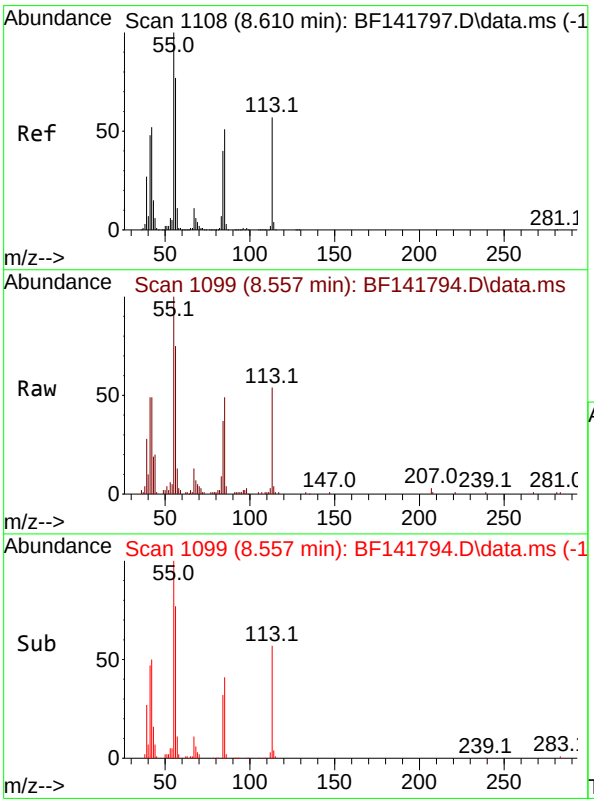
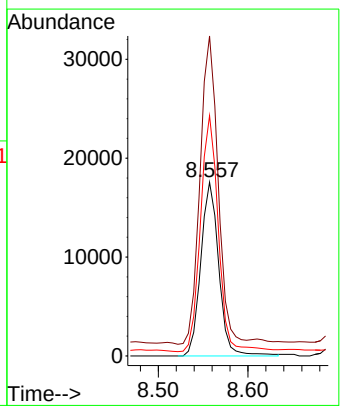


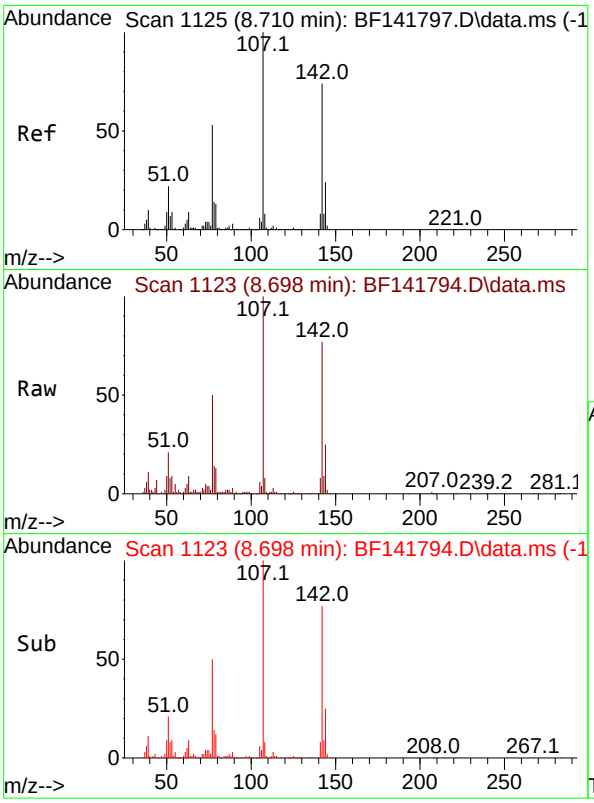


#35
Caprolactam
Concen: 4.946 ng
RT: 8.557 min Scan# 1099
Delta R.T. -0.053 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:113 Resp: 24467

Ion	Ratio	Lower	Upper
113	100		
55	184.1	155.6	195.6
56	138.2	114.6	154.6





#36
4-Chloro-3-methylphenol
Concen: 5.262 ng
RT: 8.698 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:107 Resp: 9398

Ion	Ratio	Lower	Upper
107	100		
144	24.8	19.4	29.0
142	76.8	59.4	89.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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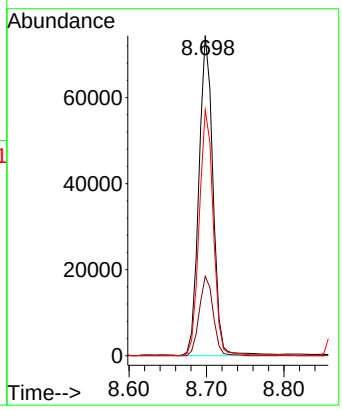
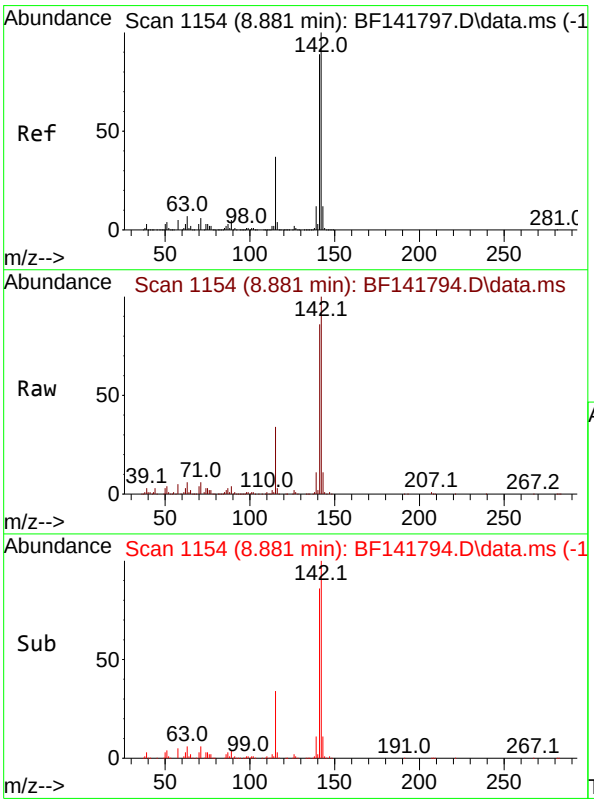
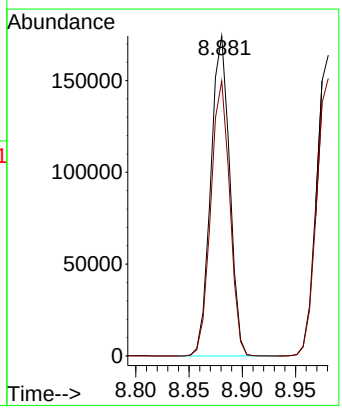


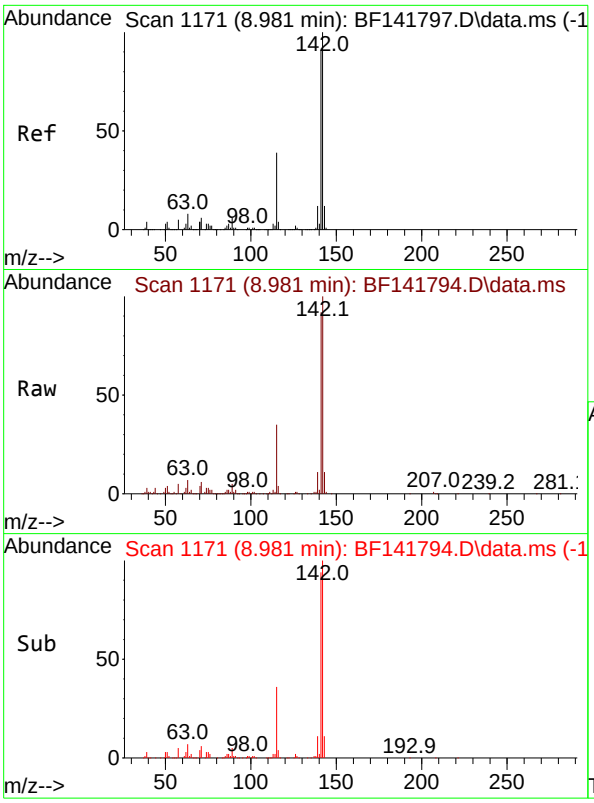


#37
2-Methylnaphthalene
Concen: 5.653 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:142 Resp: 214971

Ion	Ratio	Lower	Upper
142	100		
141	86.0	71.1	106.7

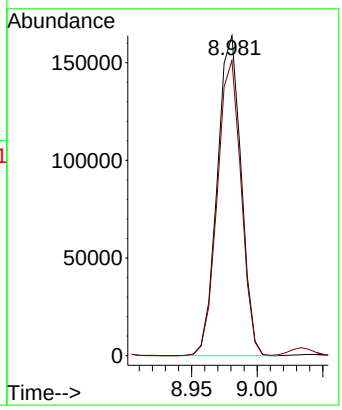




#38
1-Methylnaphthalene
Concen: 5.676 ng
RT: 8.981 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:142 Resp: 20709

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.1	109.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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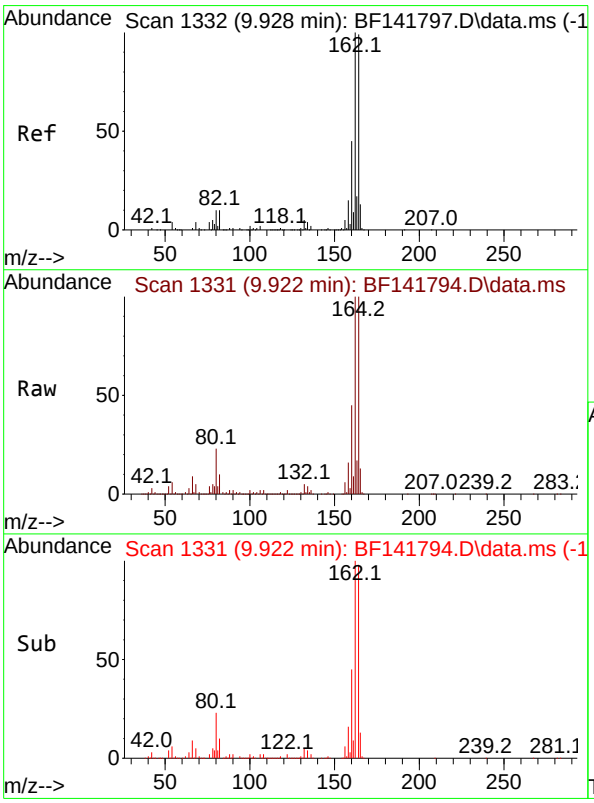
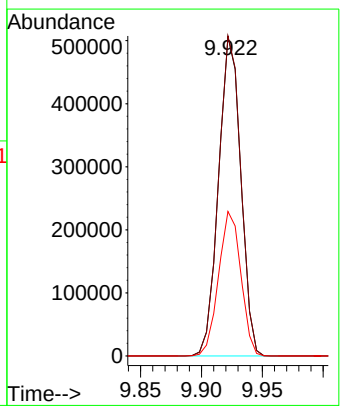
Supervised By :mohammad ahmed 02/28/2025

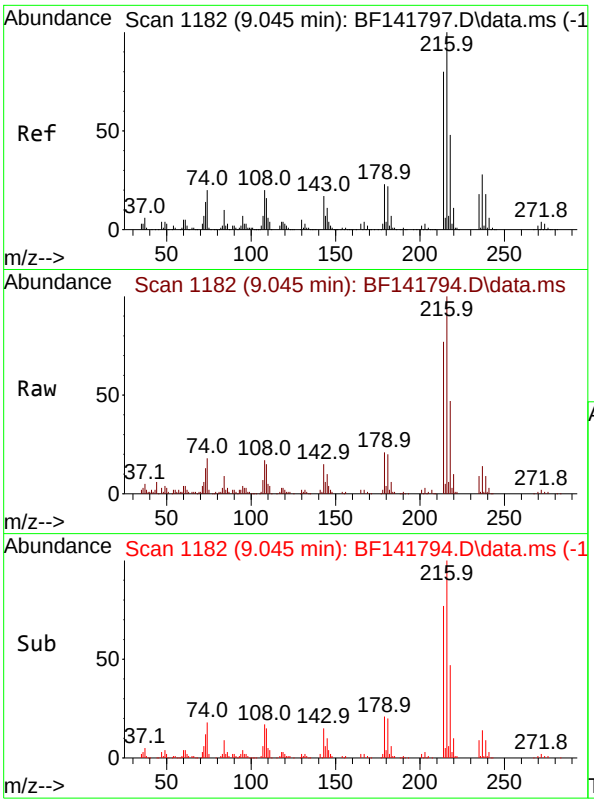


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:164 Resp: 643922

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.6	120.8
160	45.3	36.3	54.5

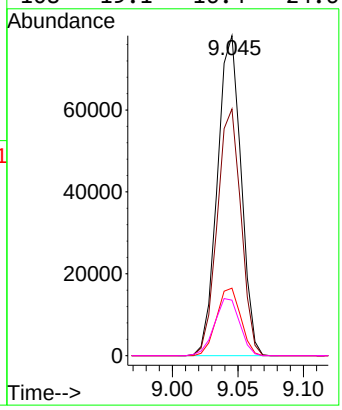




#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.275 ng
RT: 9.045 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:216 Resp: 9810

Ion	Ratio	Lower	Upper
216	100		
214	77.2	63.5	95.3
179	21.5	18.1	27.1
108	19.1	16.4	24.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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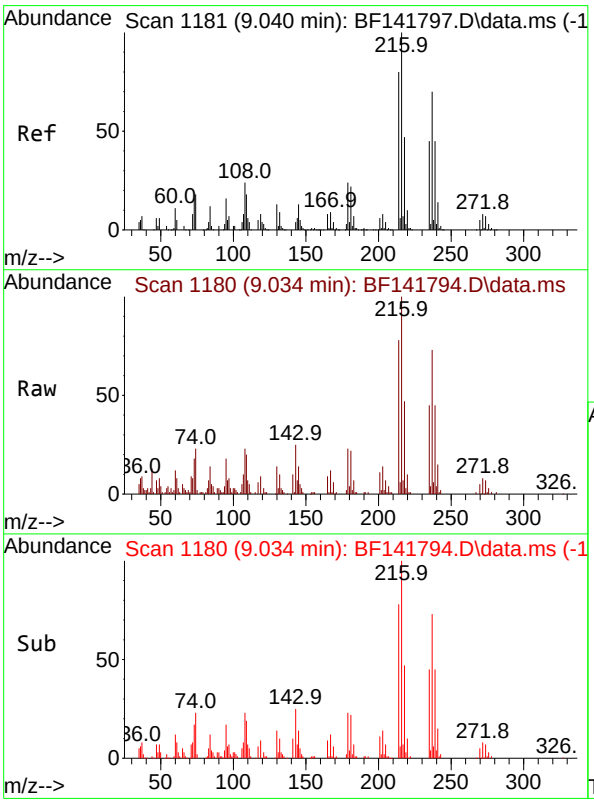
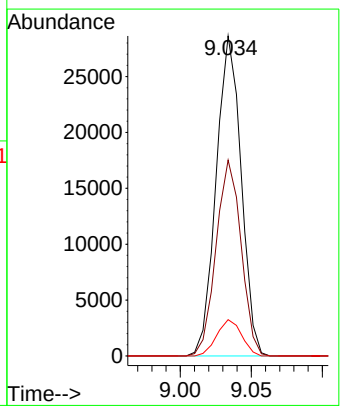
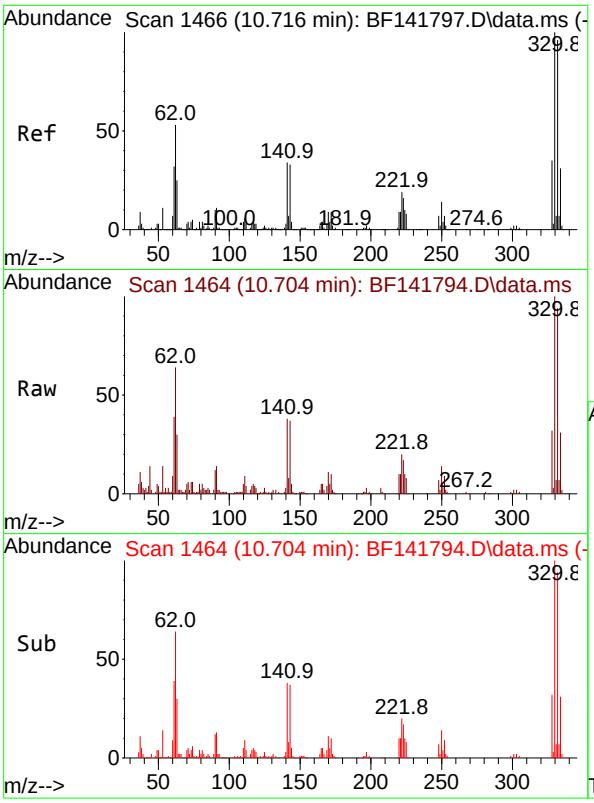


#41
Hexachlorocyclopentadiene
Concen: 4.508 ng
RT: 9.034 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:237 Resp: 34990

Ion	Ratio	Lower	Upper
237	100		
235	61.2	43.3	83.3
272	11.4	0.0	31.9

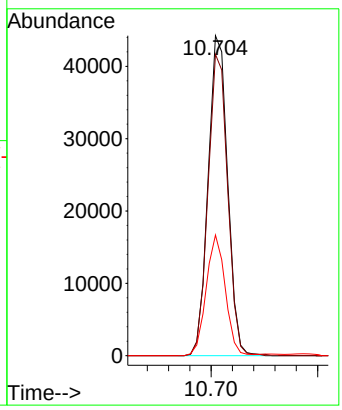




#42
2,4,6-Tribromophenol
Concen: 9.331 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:330 Resp: 5640

Ion	Ratio	Lower	Upper
330	100		
332	94.6	76.6	115.0
141	37.1	29.0	43.4



Instrument :
BNA_F
ClientSampleId :
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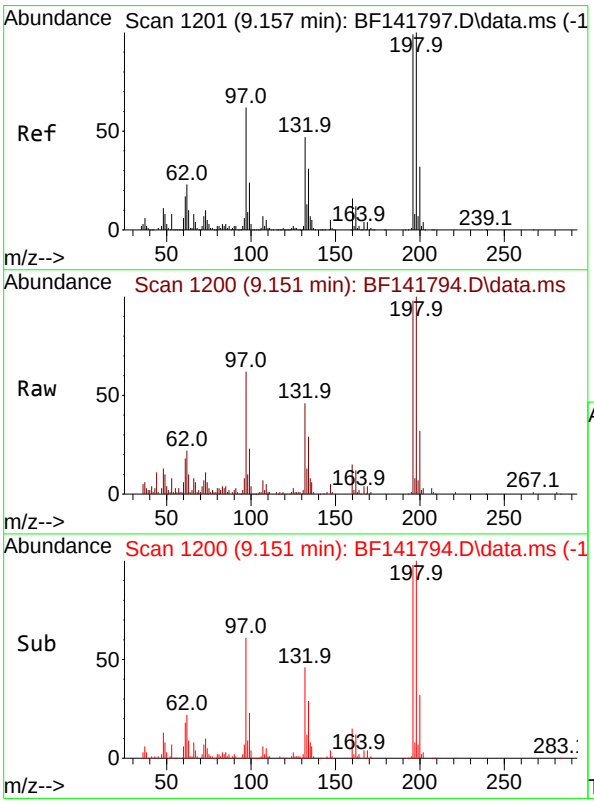
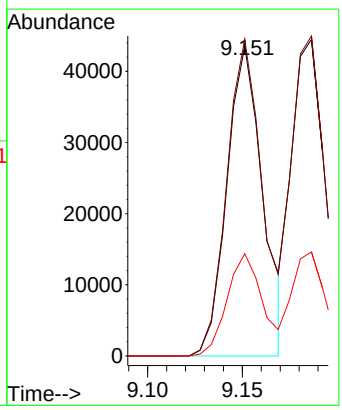
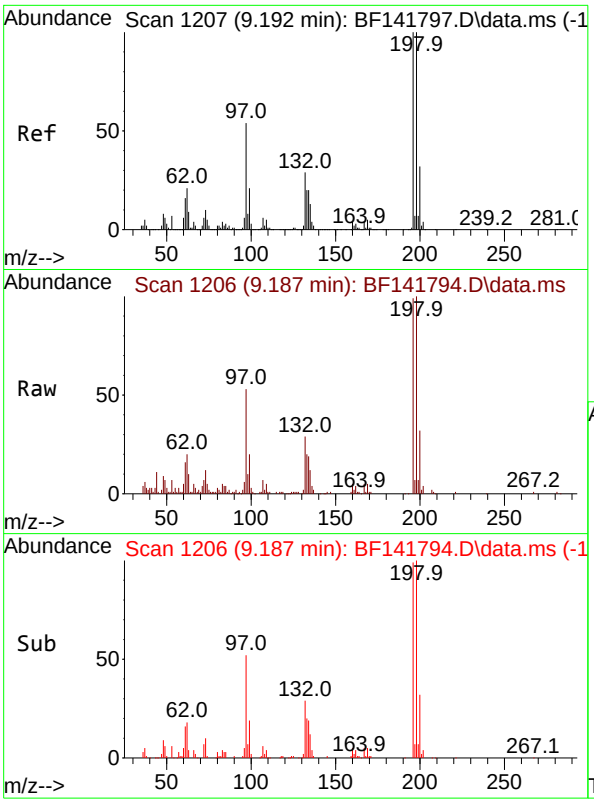


#43
2,4,6-Trichlorophenol
Concen: 4.753 ng
RT: 9.151 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:196 Resp: 57097

Ion	Ratio	Lower	Upper
196	100		
198	102.2	80.4	120.6
200	33.0	25.7	38.5

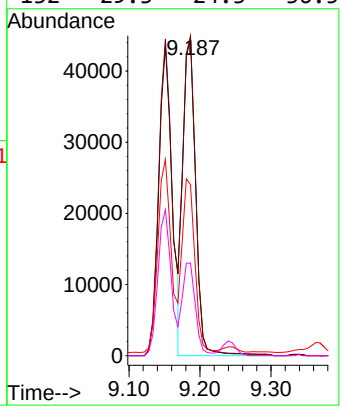




#44
2,4,5-Trichlorophenol
Concen: 4.706 ng
RT: 9.187 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:196 Resp: 5597

Ion	Ratio	Lower	Upper
196	100		
198	101.1	79.7	119.5
97	54.0	44.2	66.2
132	29.3	24.3	36.5



Instrument :
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ClientSampleId :
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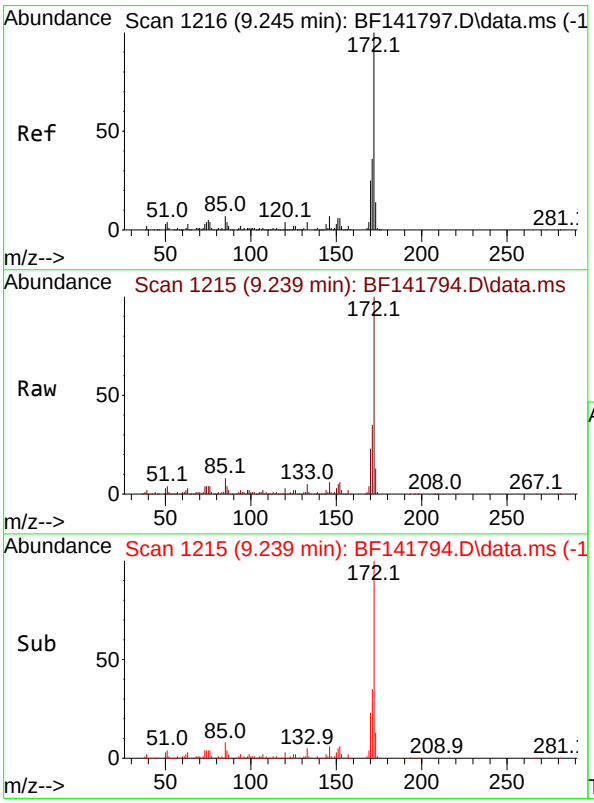
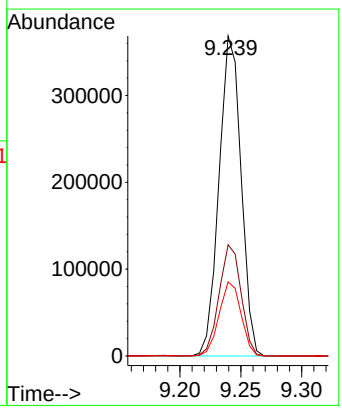
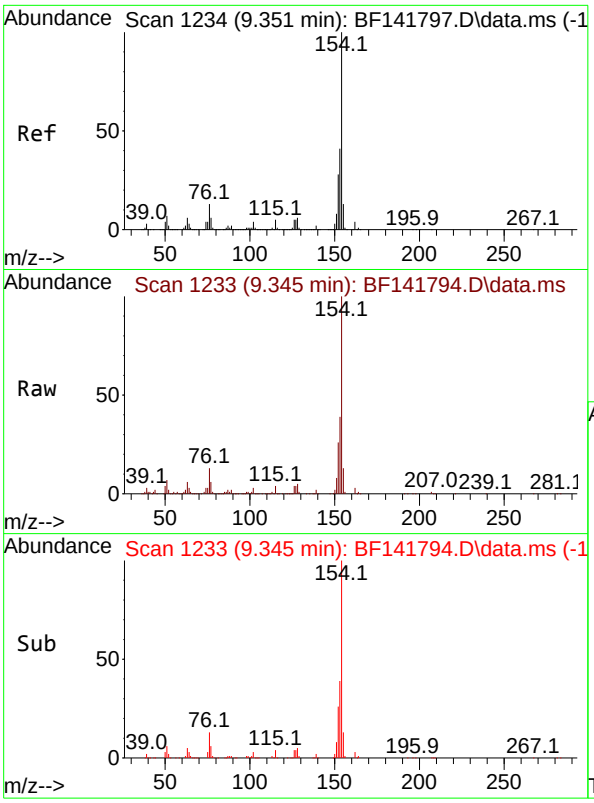


#45
2-Fluorobiphenyl
Concen: 11.570 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:172 Resp: 464621

Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.2	43.8
170	23.2	19.7	29.5

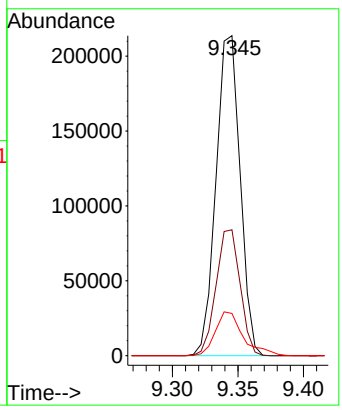




#46
1,1'-Biphenyl
Concen: 5.563 ng
RT: 9.345 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:154 Resp: 27264

Ion	Ratio	Lower	Upper
154	100		
153	39.4	21.4	61.4
76	13.2	0.0	33.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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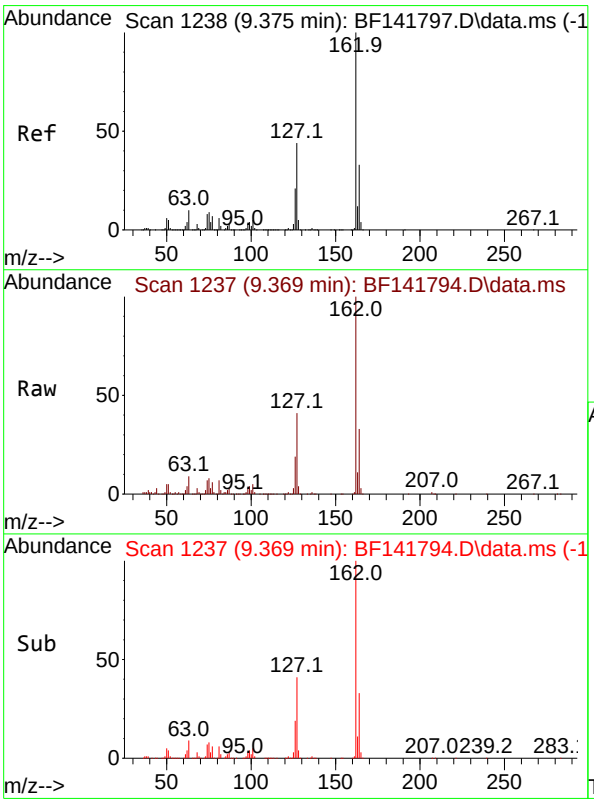
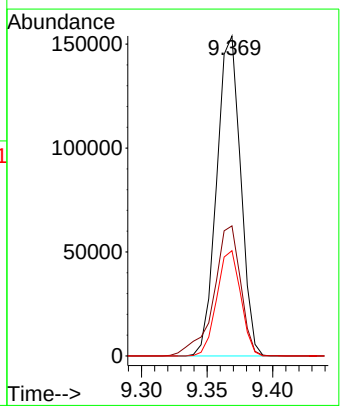
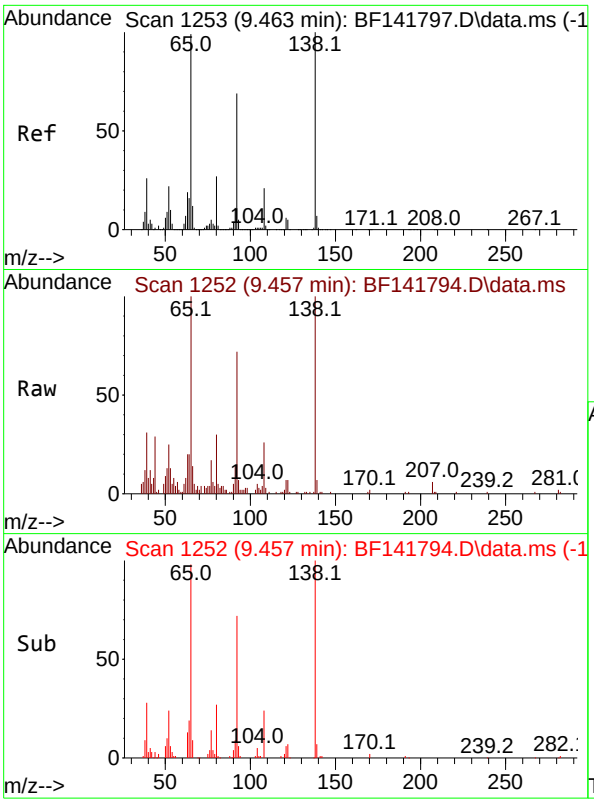


#47
2-Chloronaphthalene
Concen: 5.388 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:162 Resp: 194915

Ion	Ratio	Lower	Upper
162	100		
127	40.7	35.0	52.6
164	32.9	26.6	40.0





#48
2-Nitroaniline
Concen: 6.586 ng
RT: 9.457 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 65 Resp: 2446

Ion	Ratio	Lower	Upper
65	100		
92	72.3	55.7	83.5
138	99.8	80.6	121.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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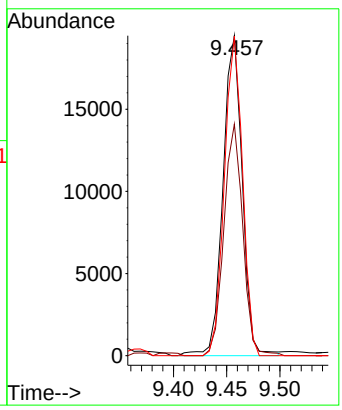
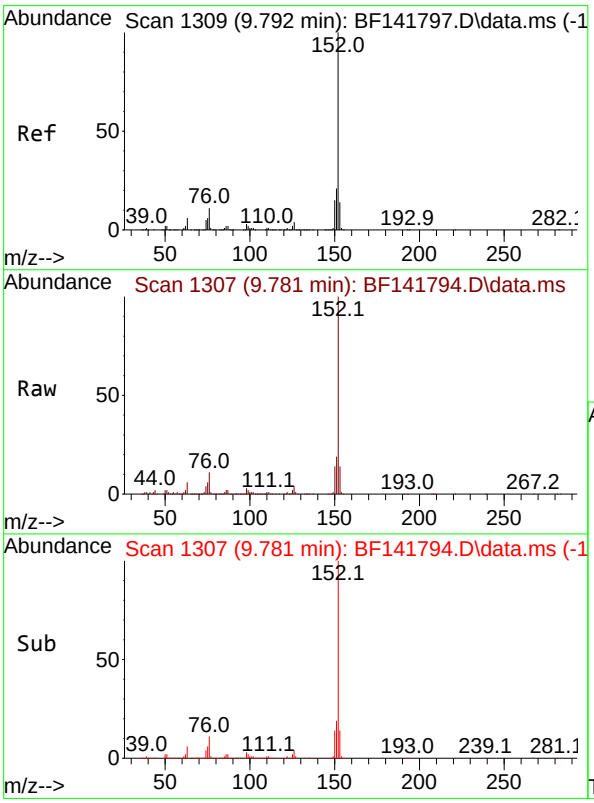
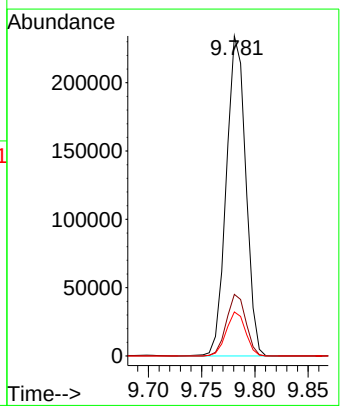


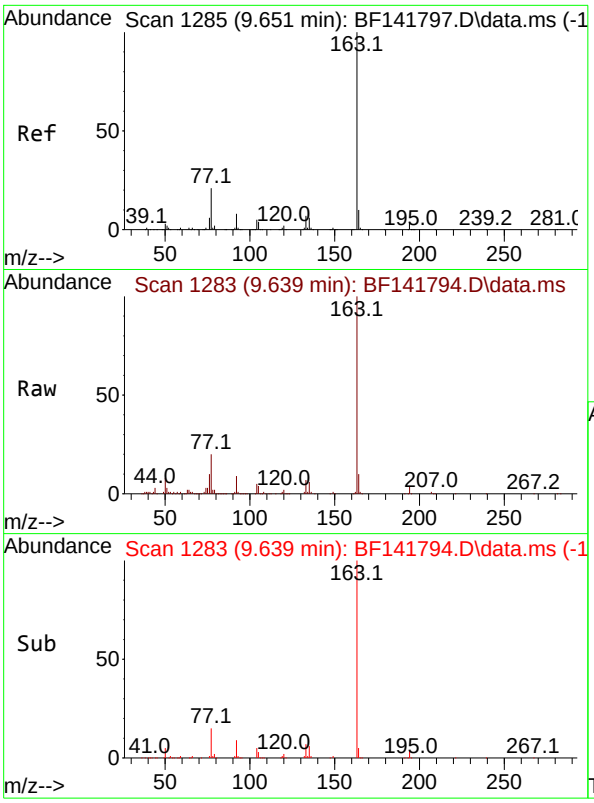


#49
Acenaphthylene
Concen: 5.481 ng
RT: 9.781 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:152 Resp: 297257

Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.6	24.8
153	13.8	11.2	16.8

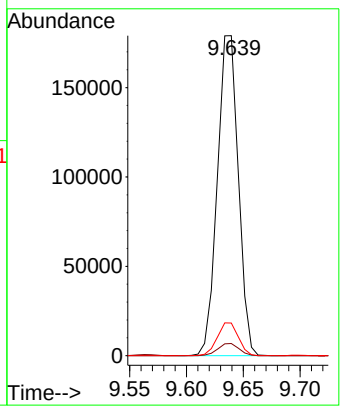




#50
Dimethylphthalate
Concen: 5.344 ng
RT: 9.639 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:163 Resp: 23042

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.2	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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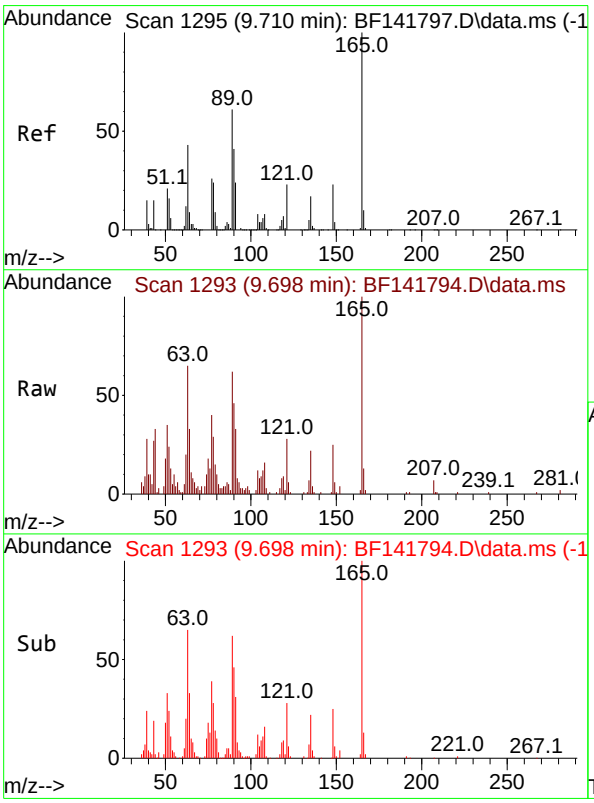
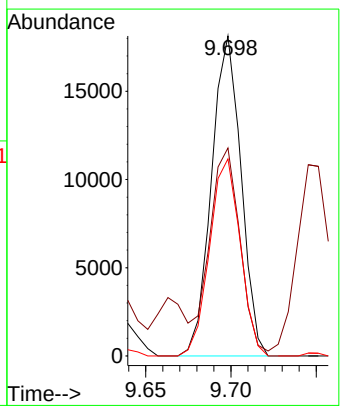
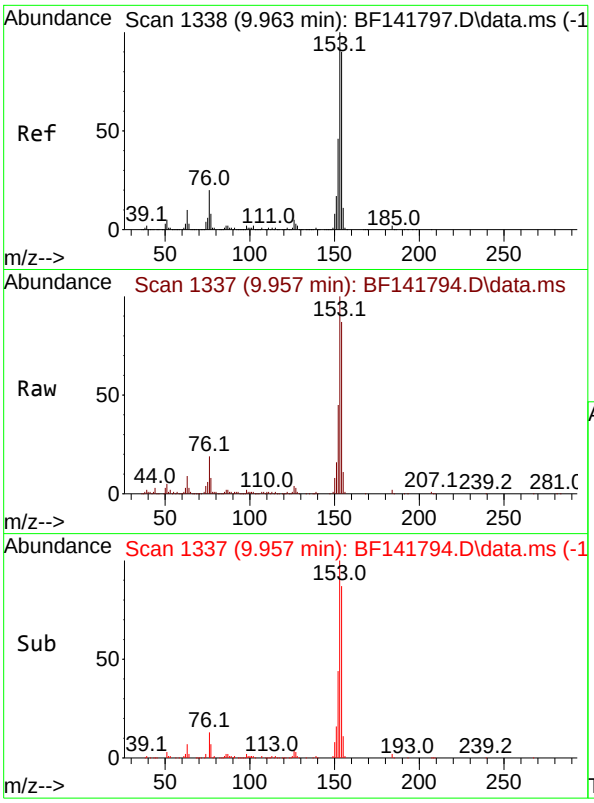


#51
2,6-Dinitrotoluene
Concen: 5.327 ng
RT: 9.698 min Scan# 1293
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:165 Resp: 21902

Ion	Ratio	Lower	Upper
165	100		
63	65.0	49.5	74.3
89	61.6	49.0	73.4

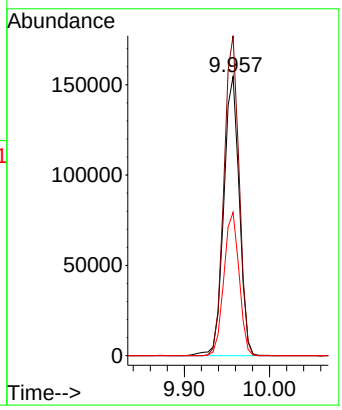




#52
Acenaphthene
Concen: 5.353 ng
RT: 9.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:154 Resp: 19591

Ion	Ratio	Lower	Upper
154	100		
153	114.6	88.7	133.1
152	51.4	40.9	61.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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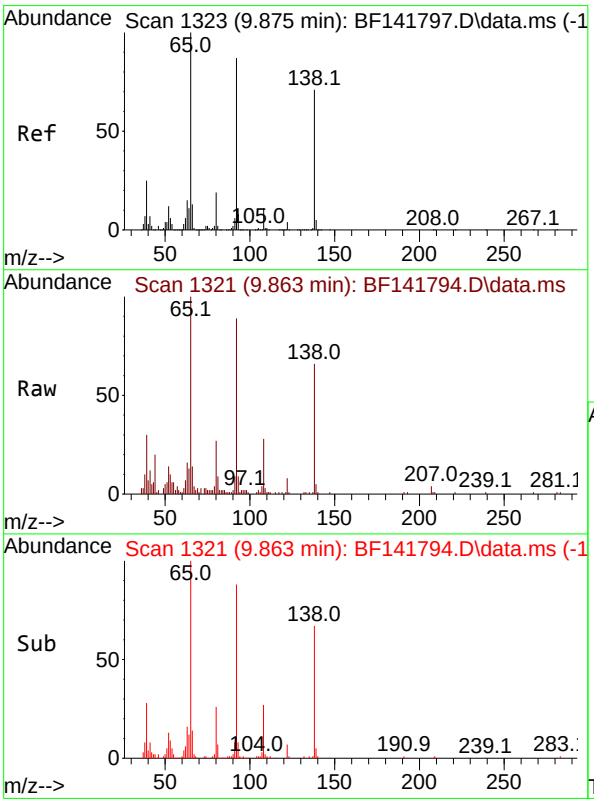
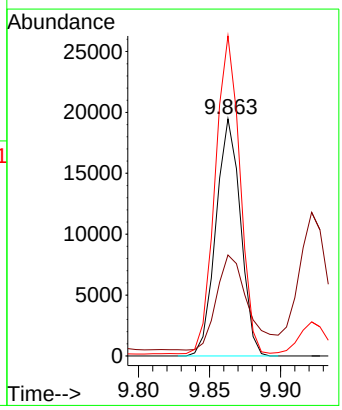
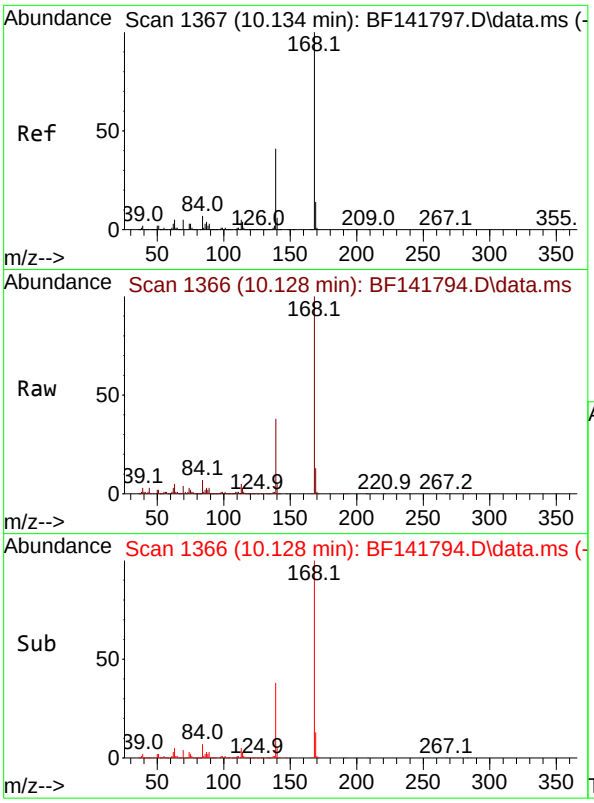


#53
3-Nitroaniline
Concen: 5.471 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:138 Resp: 23458

Ion	Ratio	Lower	Upper
138	100		
108	42.5	12.7	19.1#
92	134.9	97.9	146.9

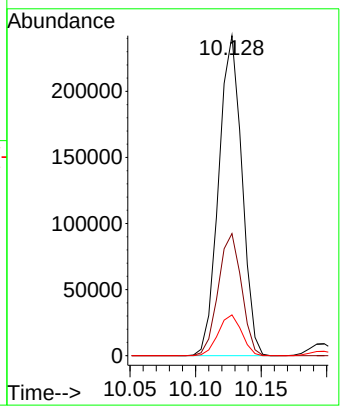




#55
Dibenzofuran
Concen: 5.590 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:168 Resp: 29775

Ion	Ratio	Lower	Upper
168	100		
139	38.1	32.9	49.3
169	12.8	11.1	16.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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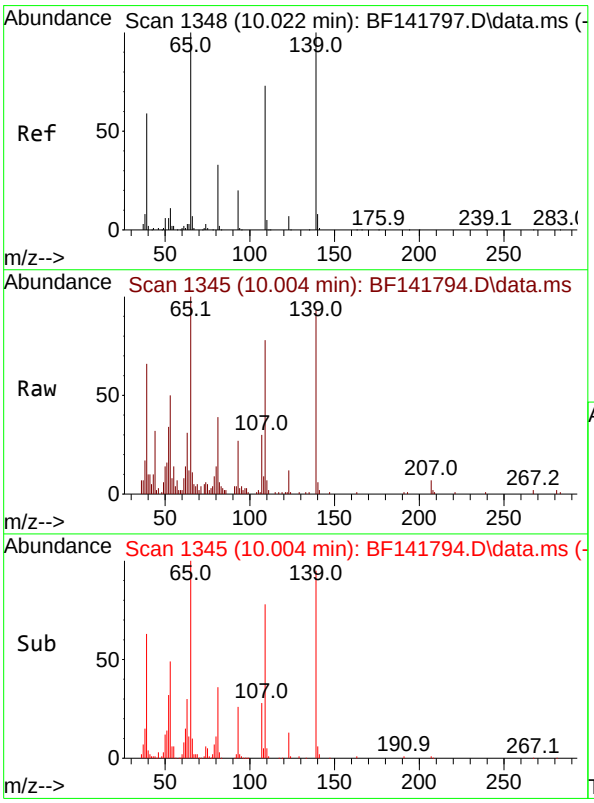
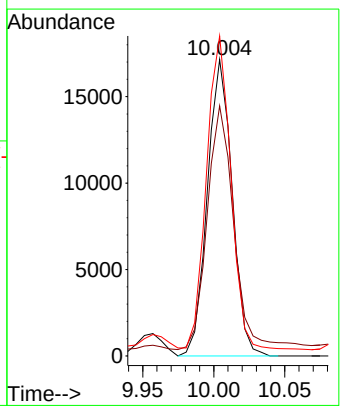
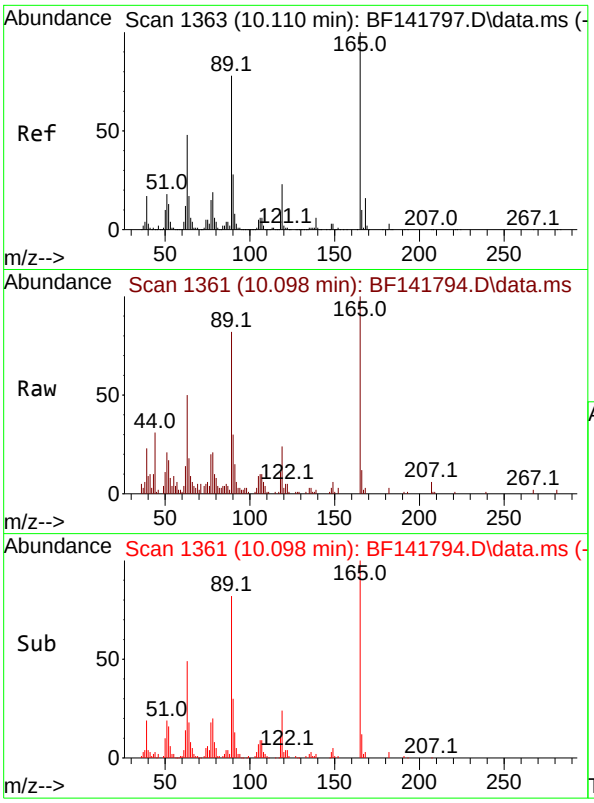


#56
4-Nitrophenol
Concen: 3.272 ng
RT: 10.004 min Scan# 1345
Delta R.T. -0.018 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:139 Resp: 20838

Ion	Ratio	Lower	Upper
139	100		
109	84.4	53.4	93.4
65	107.9	82.1	122.1

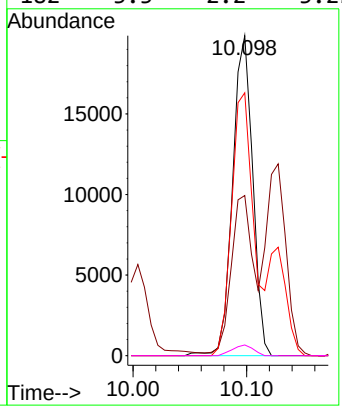




#57
2,4-Dinitrotoluene
Concen: 5.755 ng
RT: 10.098 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:165 Resp: 2425

Ion	Ratio	Lower	Upper
165	100		
63	50.0	38.8	58.2
89	82.2	62.6	94.0
182	3.3	2.2	3.2#



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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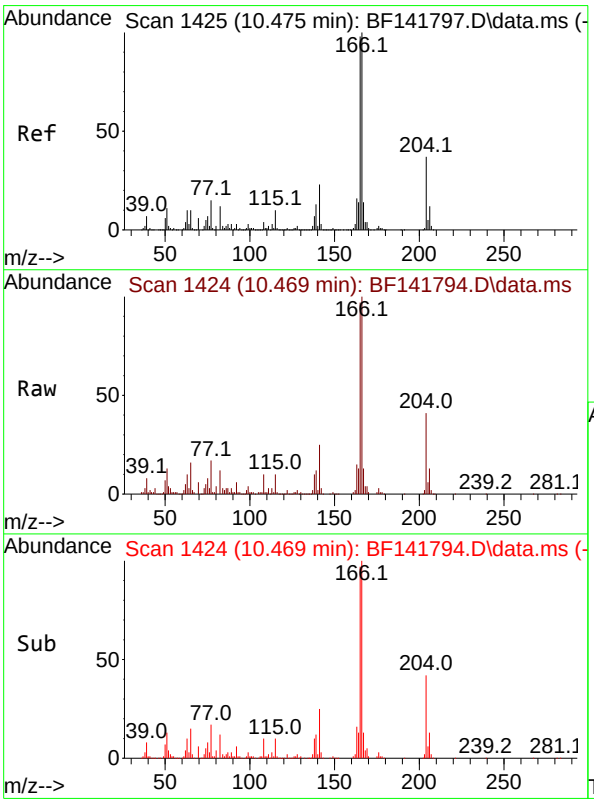
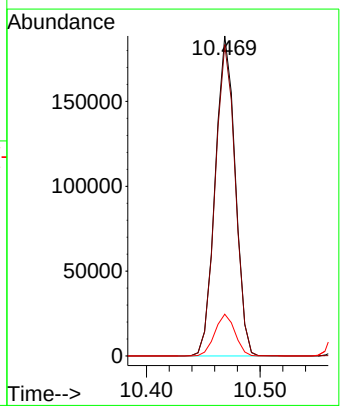
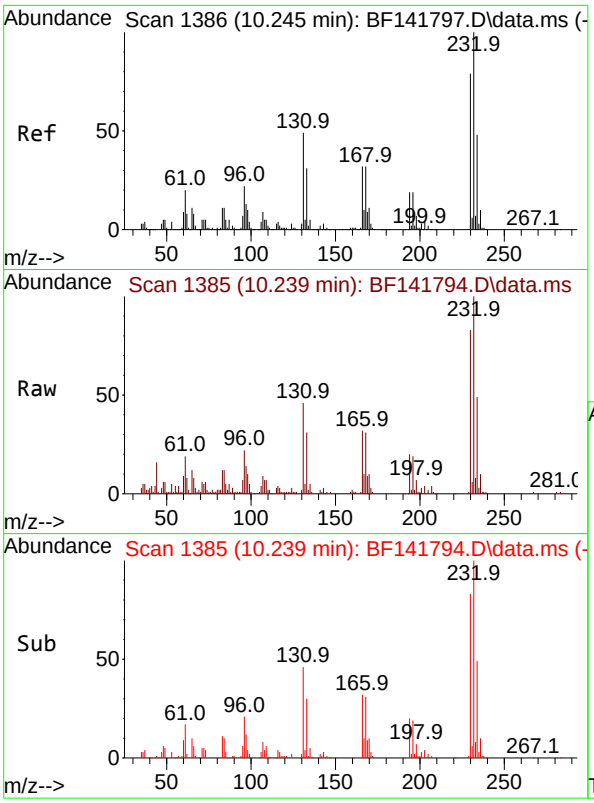


#58
Fluorene
Concen: 5.782 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:166 Resp: 230713

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.6	117.8
167	13.0	11.0	16.4

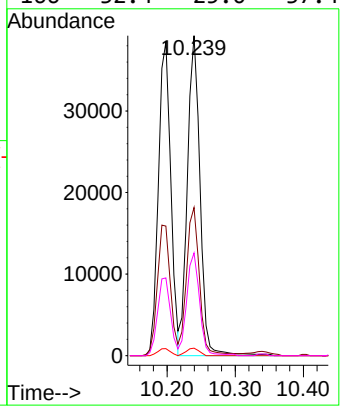




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.873 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:232 Resp: 5041

Ion	Ratio	Lower	Upper
232	100		
131	47.2	37.8	56.8
130	2.4	2.0	3.0
166	32.4	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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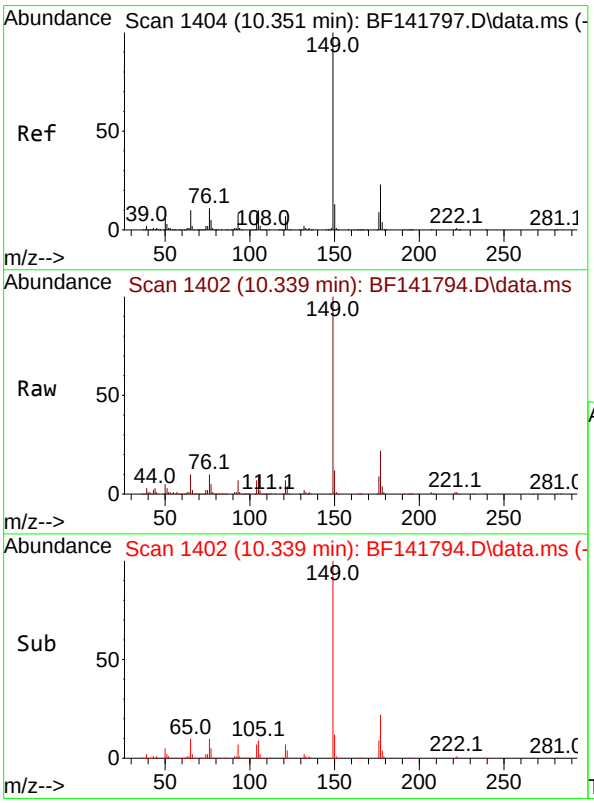
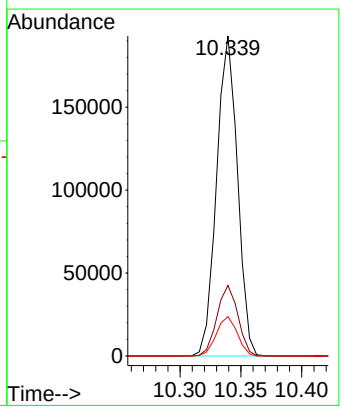
Supervised By :mohammad ahmed 02/28/2025

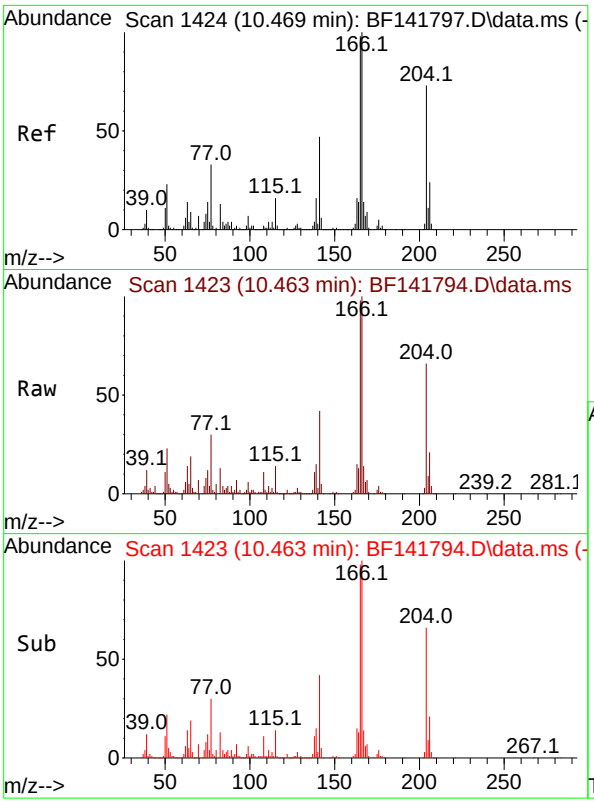


#60
Diethylphthalate
Concen: 5.322 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:149 Resp: 230060

Ion	Ratio	Lower	Upper
149	100		
177	22.1	18.3	27.5
150	12.3	10.3	15.5





#61
4-Chlorophenyl-phenylether
Concen: 5.561 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:204 Resp: 111169

Ion	Ratio	Lower	Upper
204	100		
206	32.1	26.2	39.4
141	63.0	51.7	77.5

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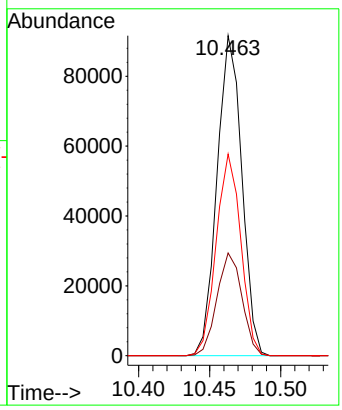
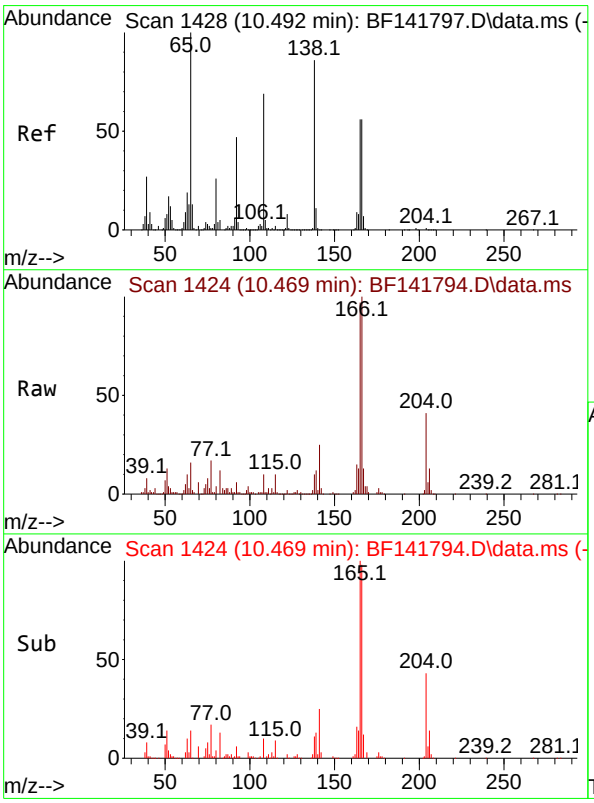
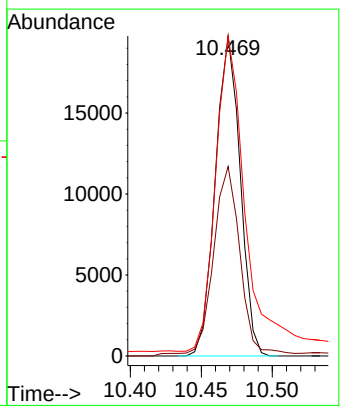


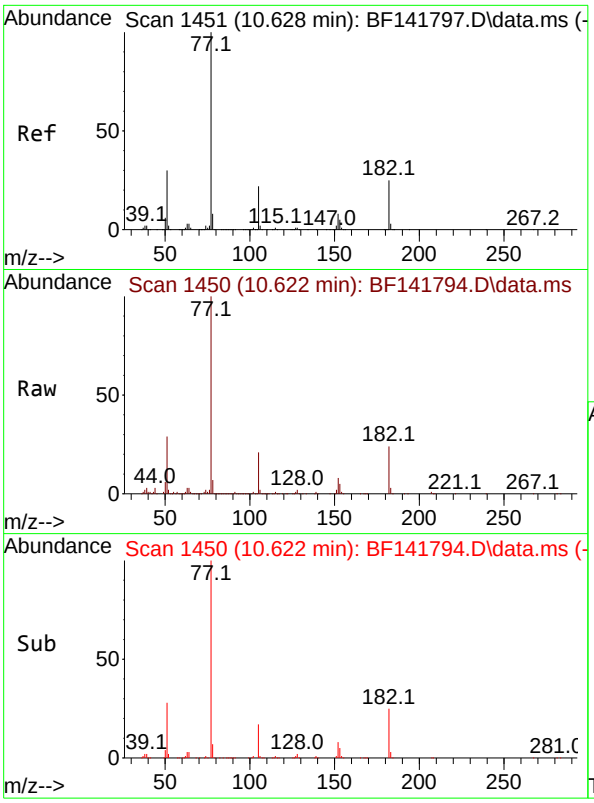


#62
4-Nitroaniline
Concen: 3.260 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.024 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:138 Resp: 24006

Ion	Ratio	Lower	Upper
138	100		
92	59.3	34.9	74.9
108	100.2	59.6	99.6#

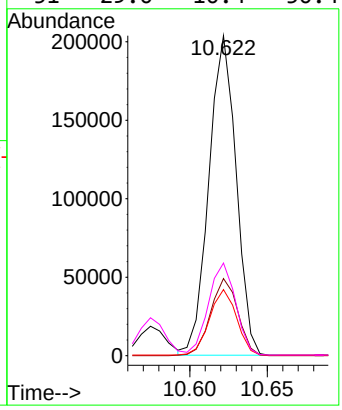




#63
Azobenzene
Concen: 5.460 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 77 Resp: 248519

Ion	Ratio	Lower	Upper
77	100		
182	24.1	4.2	44.2
105	20.7	1.5	41.5
51	29.0	10.4	50.4



Instrument :
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ClientSampleId :
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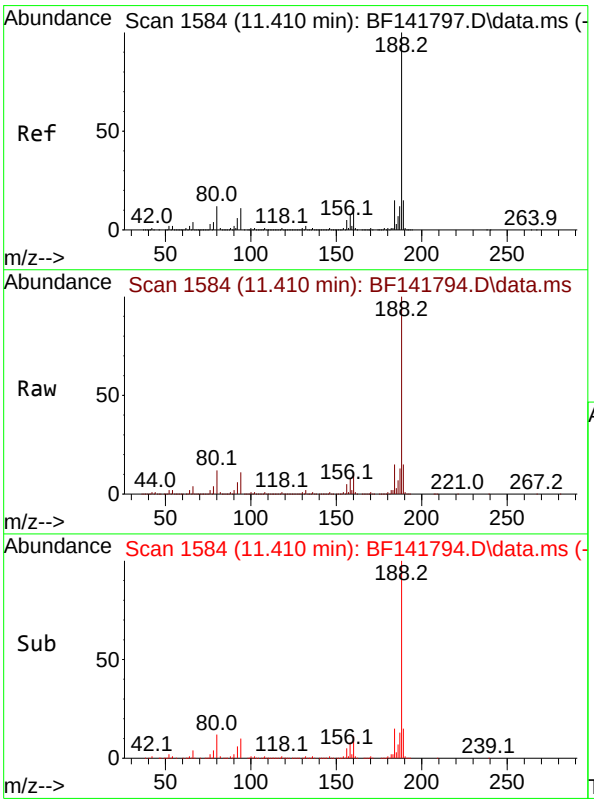
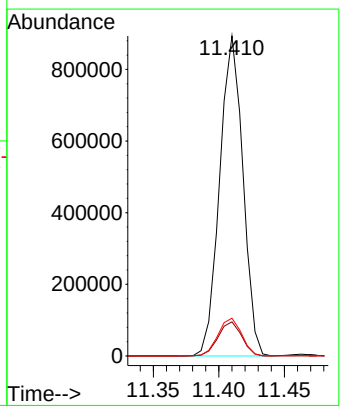
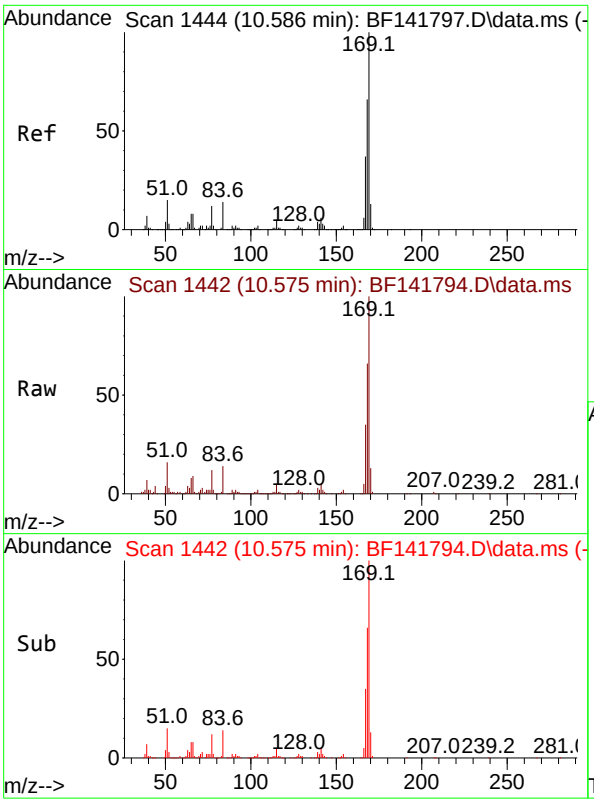


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:188 Resp: 1101046

Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.9	13.3
80	11.8	9.7	14.5

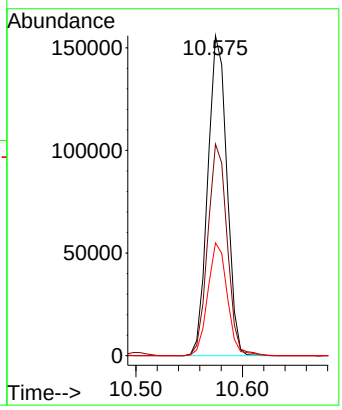




#66
n-Nitrosodiphenylamine
Concen: 5.344 ng
RT: 10.575 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:169 Resp: 19320

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.6
167	35.2	29.3	43.9



Instrument :
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ClientSampleId :
SSTDICC005

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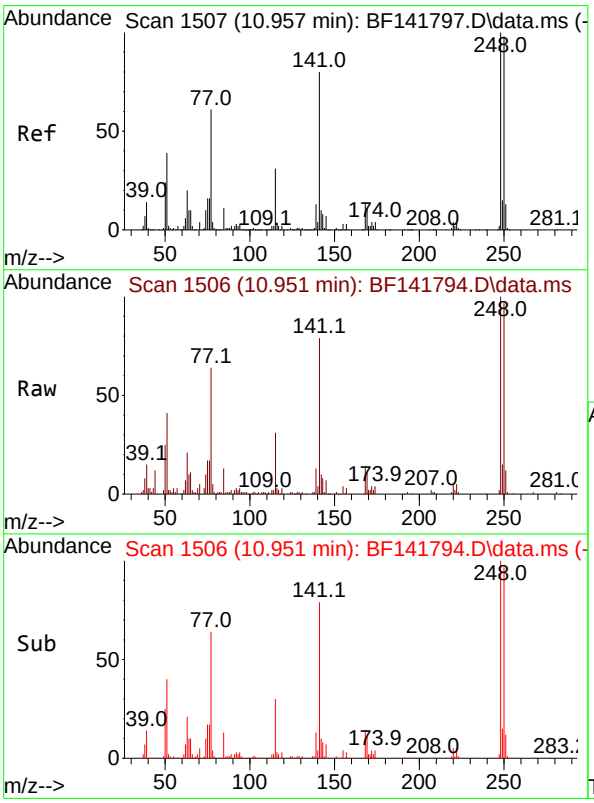
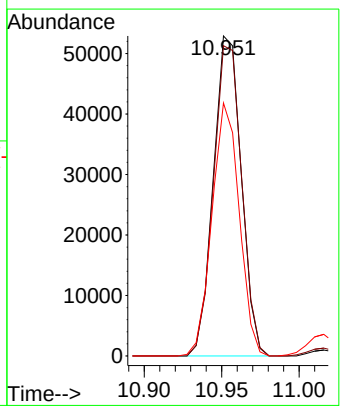
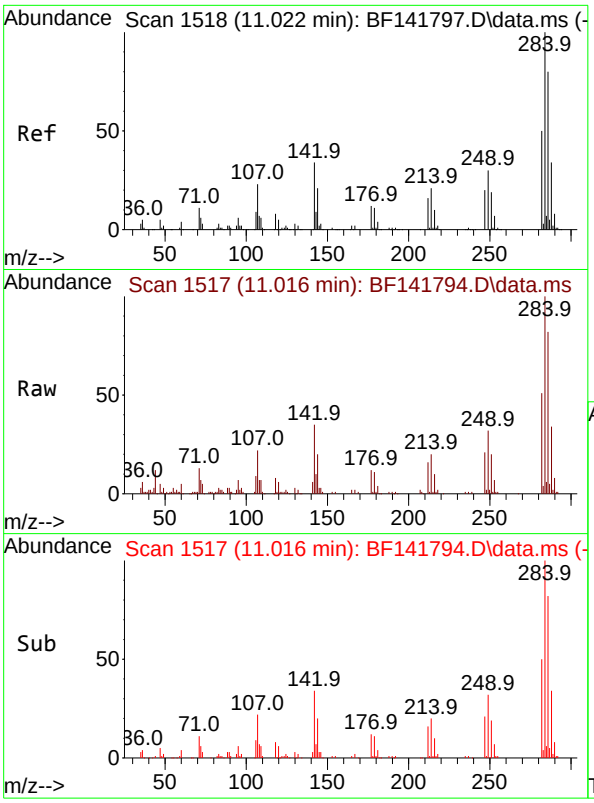


#67
4-Bromophenyl-phenylether
Concen: 5.156 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:248 Resp: 66312

Ion	Ratio	Lower	Upper
248	100		
250	97.0	78.1	117.1
141	79.0	64.3	96.5

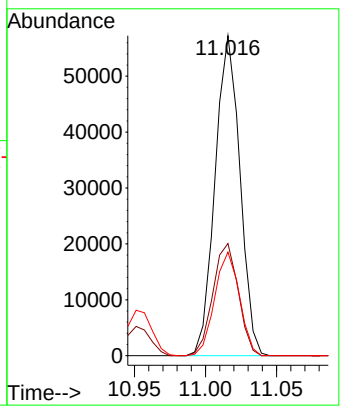




#68
Hexachlorobenzene
Concen: 5.125 ng
RT: 11.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:284 Resp: 6959

Ion	Ratio	Lower	Upper
284	100		
142	35.1	28.2	42.2
249	32.3	25.5	38.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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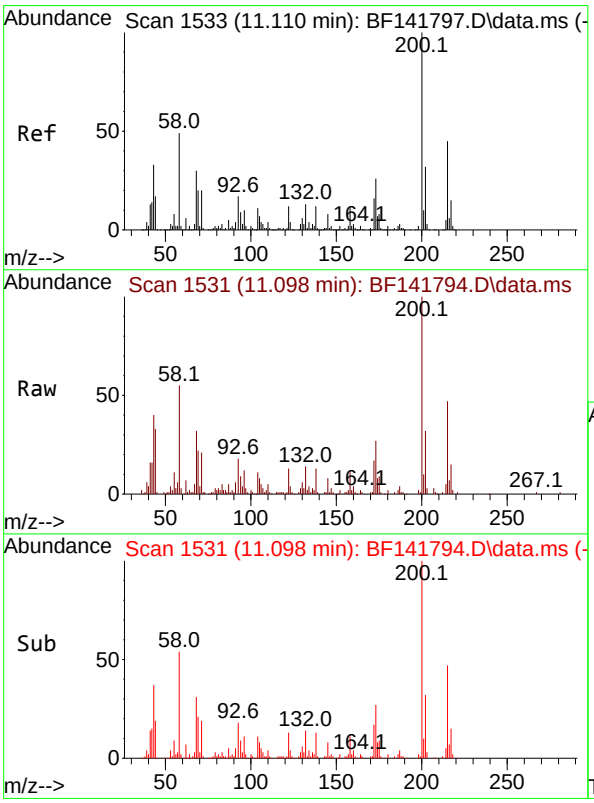
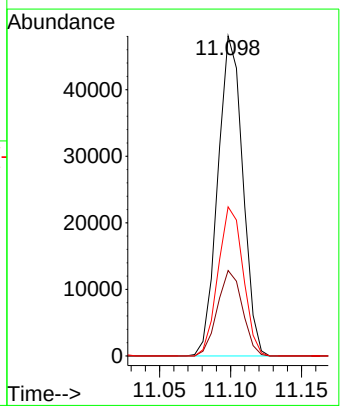
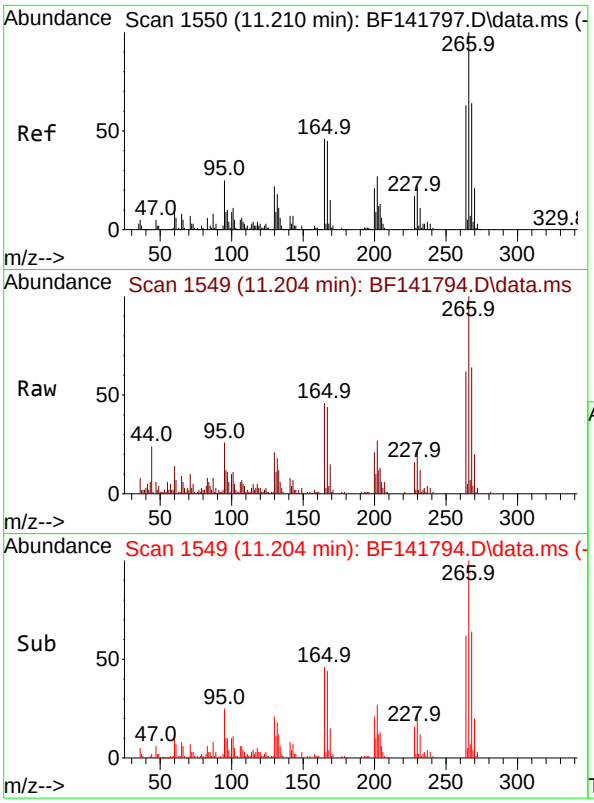


#69
Atrazine
Concen: 5.897 ng
RT: 11.098 min Scan# 1531
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:200 Resp: 58634

Ion	Ratio	Lower	Upper
200	100		
173	26.7	5.6	45.6
215	46.6	25.3	65.3

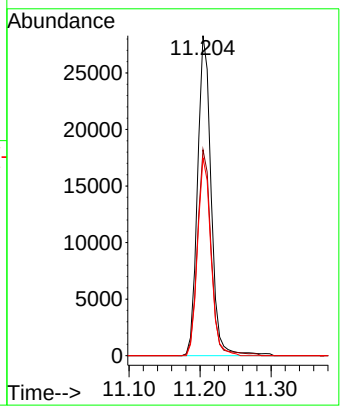




#70
Pentachlorophenol
Concen: 4.373 ng
RT: 11.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:266 Resp: 3766

Ion	Ratio	Lower	Upper
266	100		
268	64.3	50.9	76.3
264	61.8	50.2	75.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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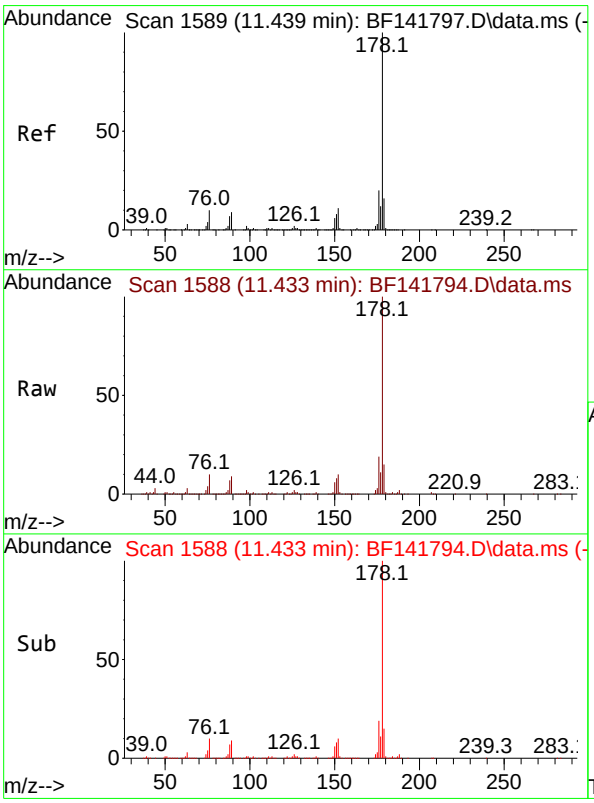
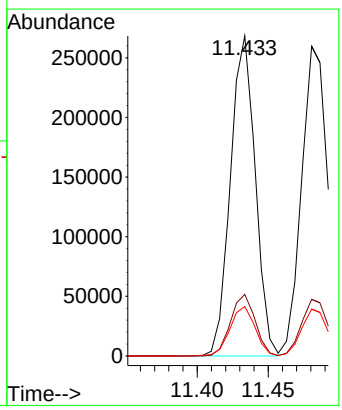
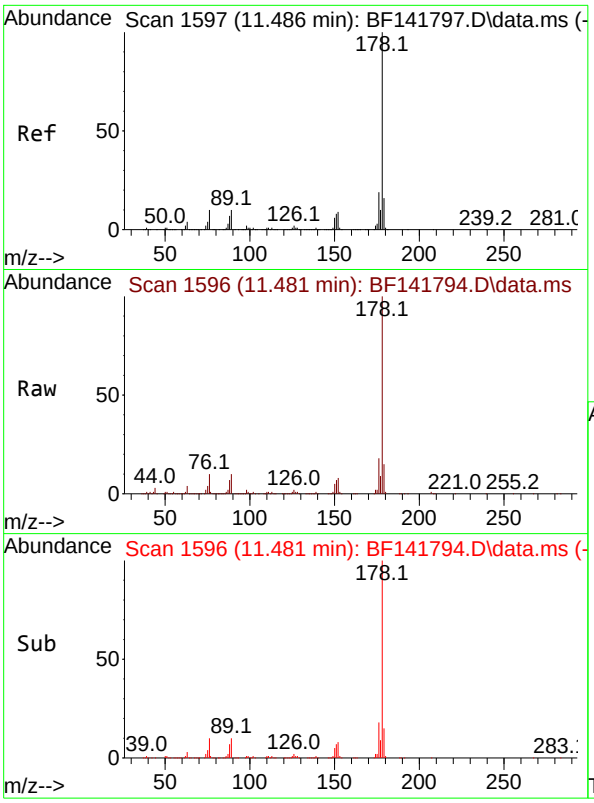


#71
Phenanthrene
Concen: 5.544 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:178 Resp: 326529

Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.0	24.0
179	15.5	12.6	19.0

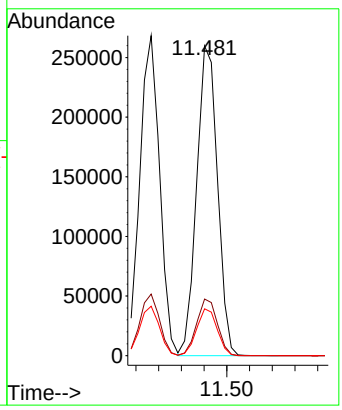




#72
Anthracene
Concen: 5.610 ng
RT: 11.481 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:178 Resp: 33114

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.0
179	15.2	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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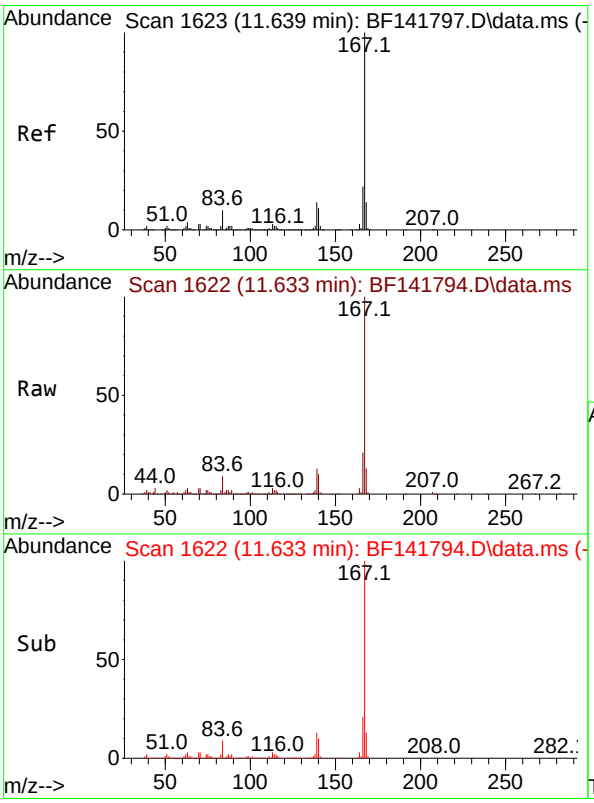
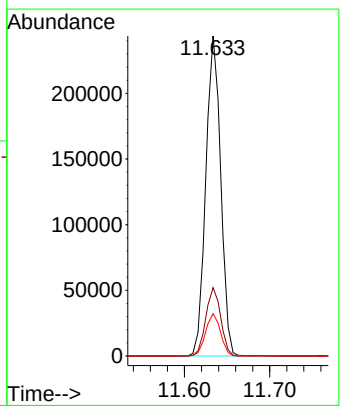
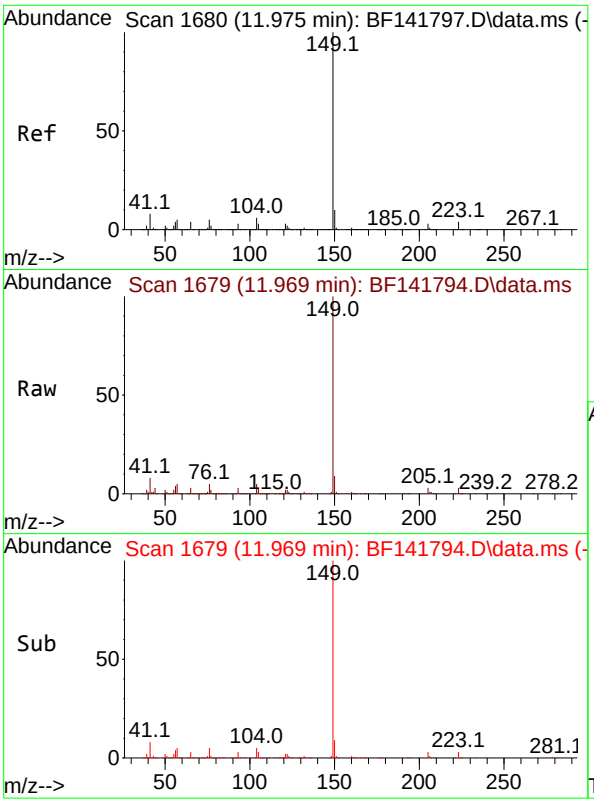


#73
Carbazole
Concen: 5.673 ng
RT: 11.633 min Scan# 1622
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:167 Resp: 295693

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.5	26.3
139	13.2	11.3	16.9

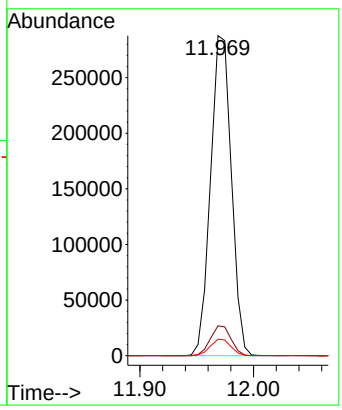




#74
Di-n-butylphthalate
Concen: 5.560 ng
RT: 11.969 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:149 Resp: 36734

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.7	11.5
104	5.1	4.4	6.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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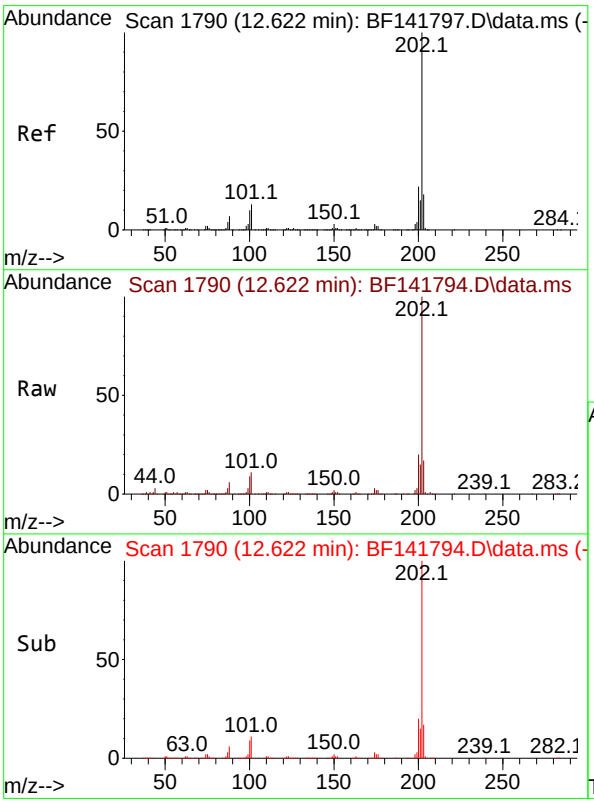
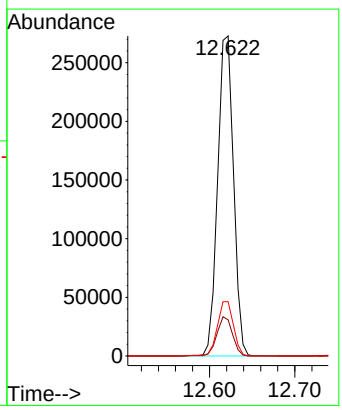
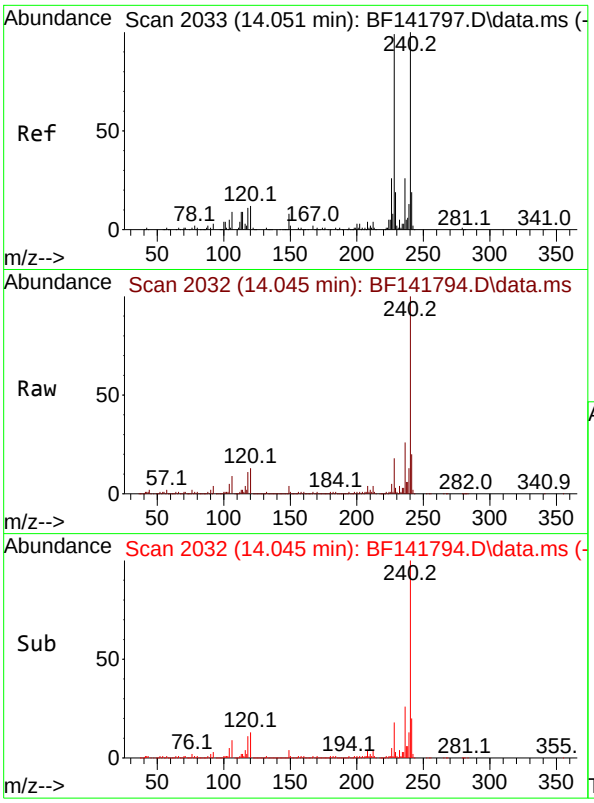


#75
Fluoranthene
Concen: 5.861 ng
RT: 12.622 min Scan# 1790
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:202 Resp: 353684

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	32.8
203	16.9	0.0	38.0

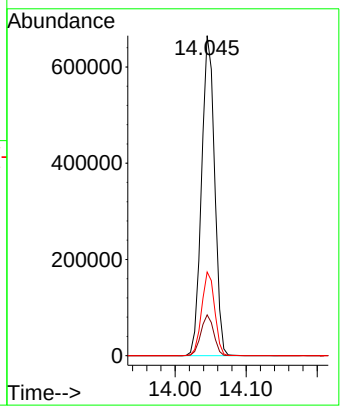




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:240 Resp: 85255

Ion	Ratio	Lower	Upper
240	100		
120	12.8	9.7	14.5
236	26.2	21.0	31.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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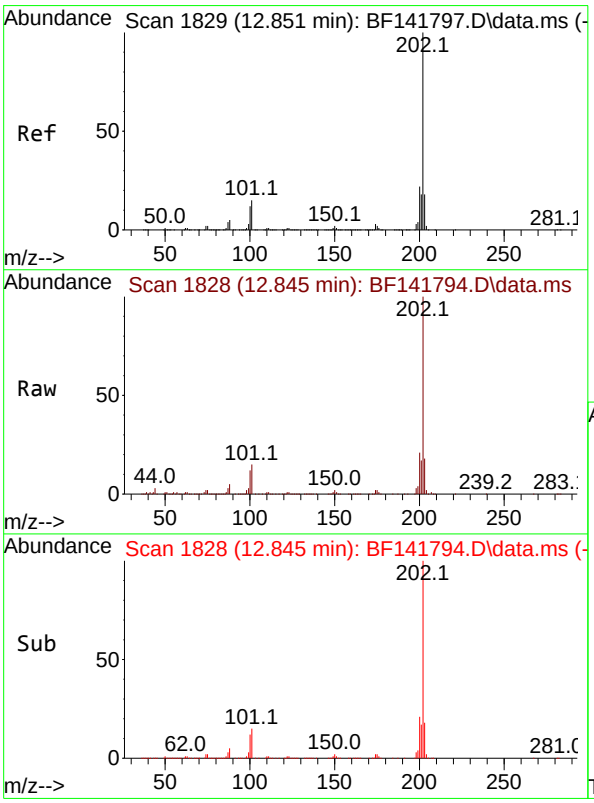
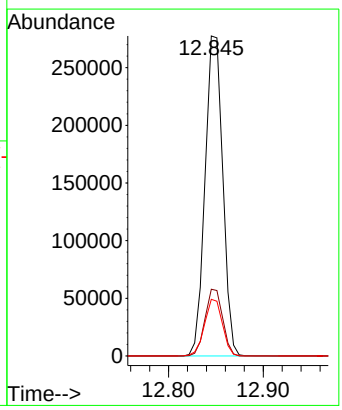
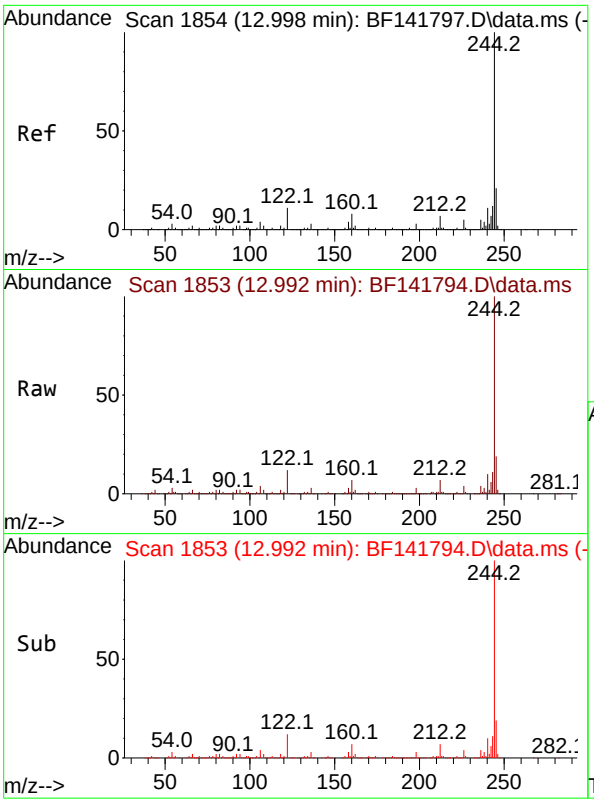


#78
Pyrene
Concen: 4.903 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:202 Resp: 361938

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.0
203	17.7	14.6	22.0

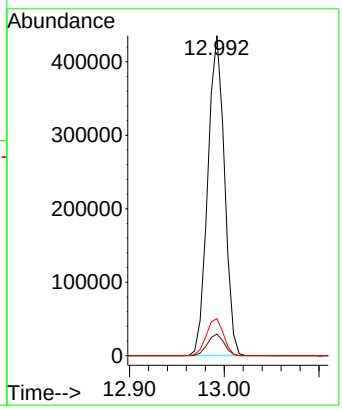




#79
Terphenyl-d14
Concen: 10.112 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:244 Resp: 53285

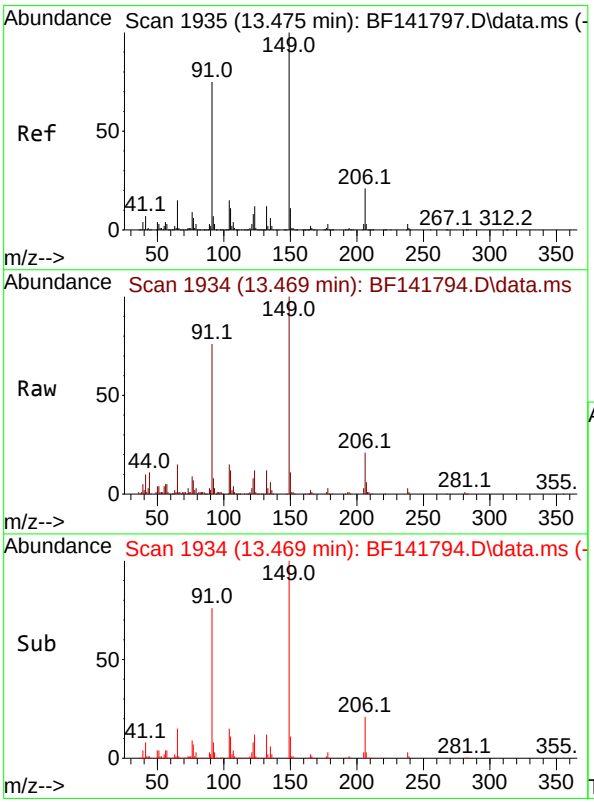
Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	11.5	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

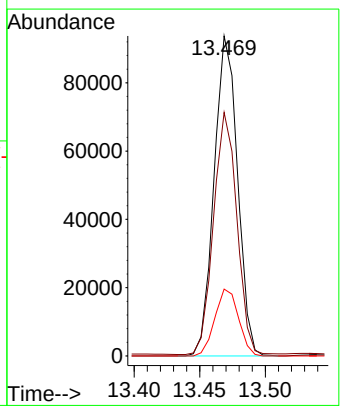
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

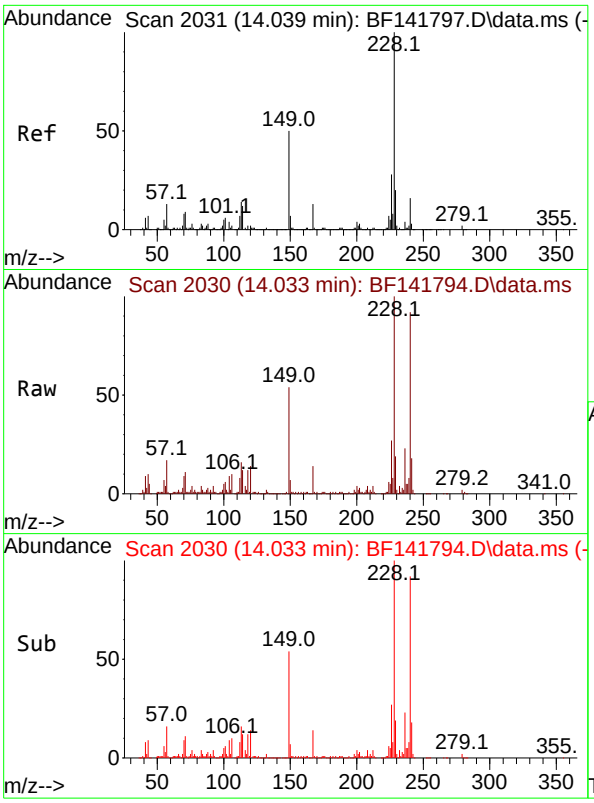


#80
Butylbenzylphthalate
Concen: 4.341 ng
RT: 13.469 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:149 Resp: 116439

Ion	Ratio	Lower	Upper
149	100		
91	76.1	60.1	90.1
206	20.9	16.8	25.2

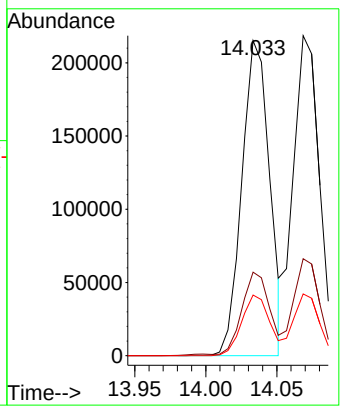




#81
Benzo(a)anthracene
Concen: 5.174 ng
RT: 14.033 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:228 Resp: 29137

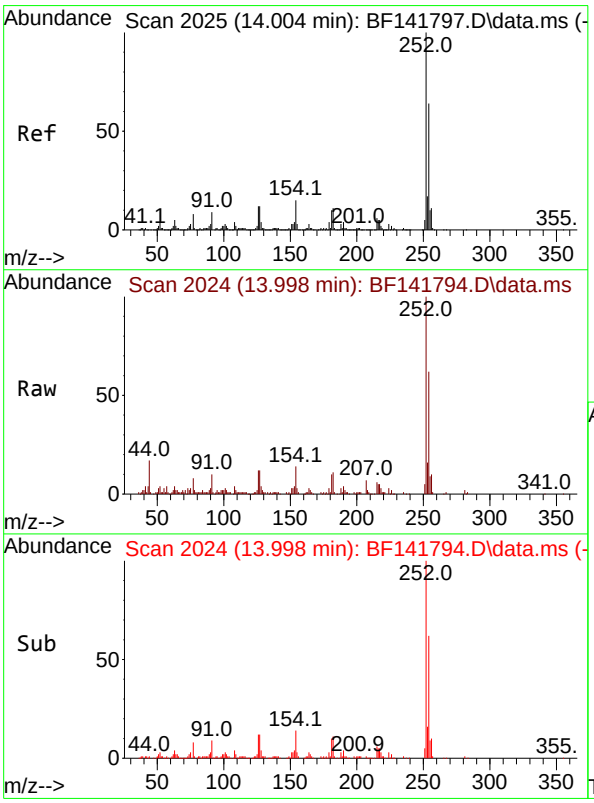
Ion	Ratio	Lower	Upper
228	100		
226	26.5	22.1	33.1
229	19.3	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

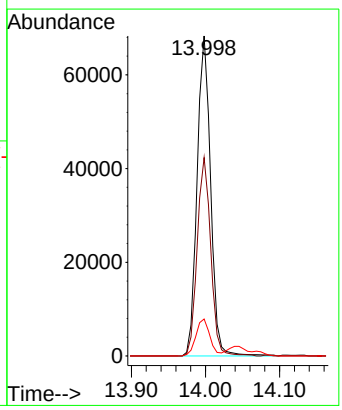
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

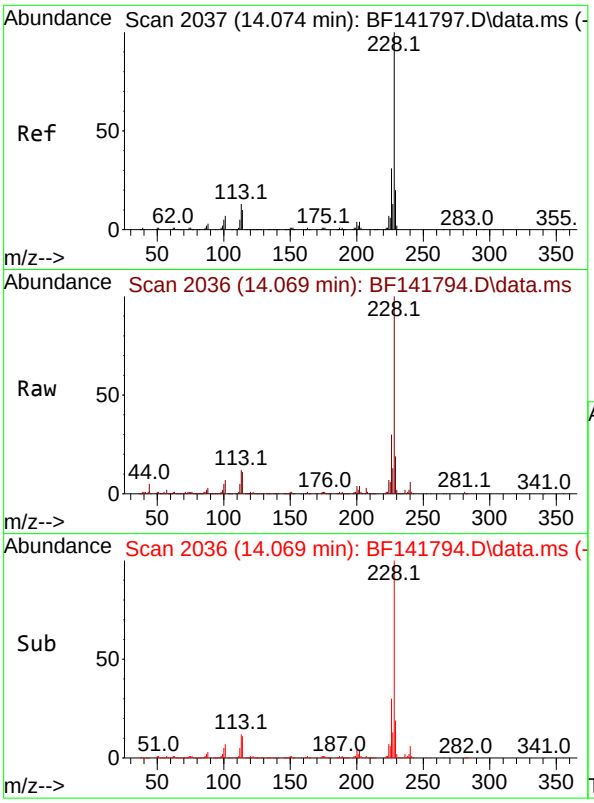


#82
3,3'-Dichlorobenzidine
Concen: 5.353 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:252 Resp: 86483

Ion	Ratio	Lower	Upper
252	100		
254	62.0	51.4	77.0
126	11.6	9.8	14.6

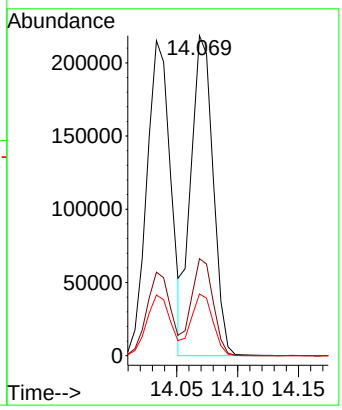




#83
Chrysene
Concen: 5.348 ng
RT: 14.069 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:228 Resp: 27763

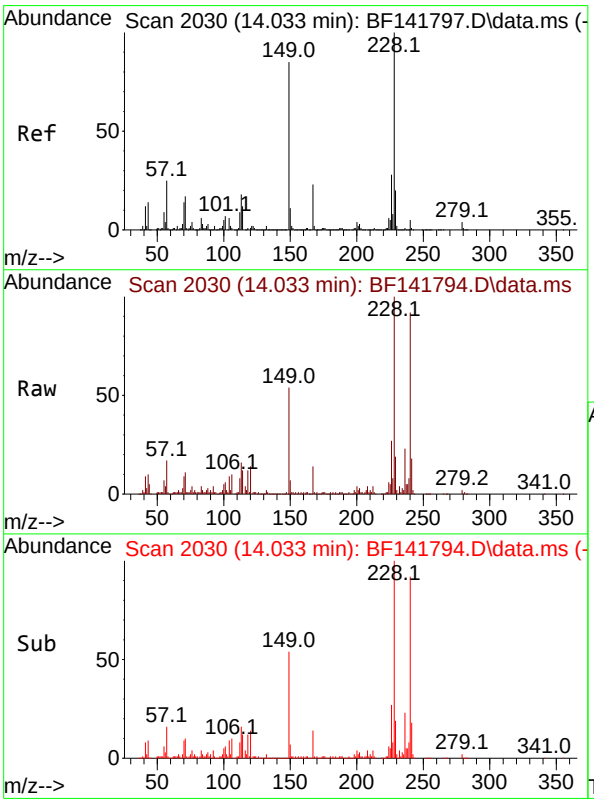
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.6	37.0
229	19.3	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

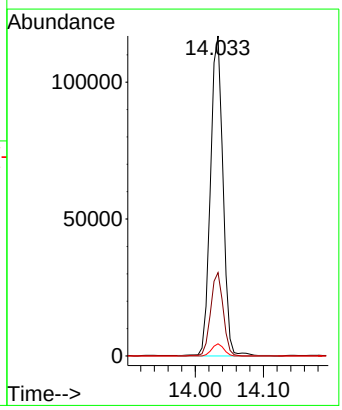
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

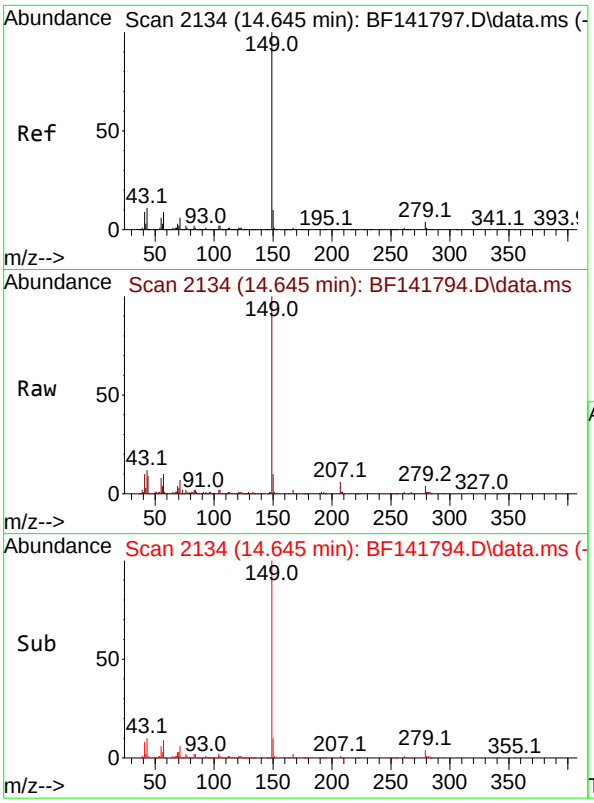


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.482 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:149 Resp: 149689

Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.2	31.8
279	3.8	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 3.848 ng
RT: 14.645 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

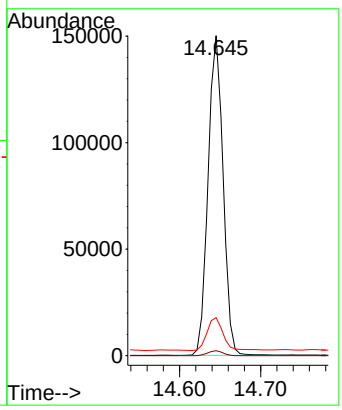
Tgt Ion:149 Resp: 19239

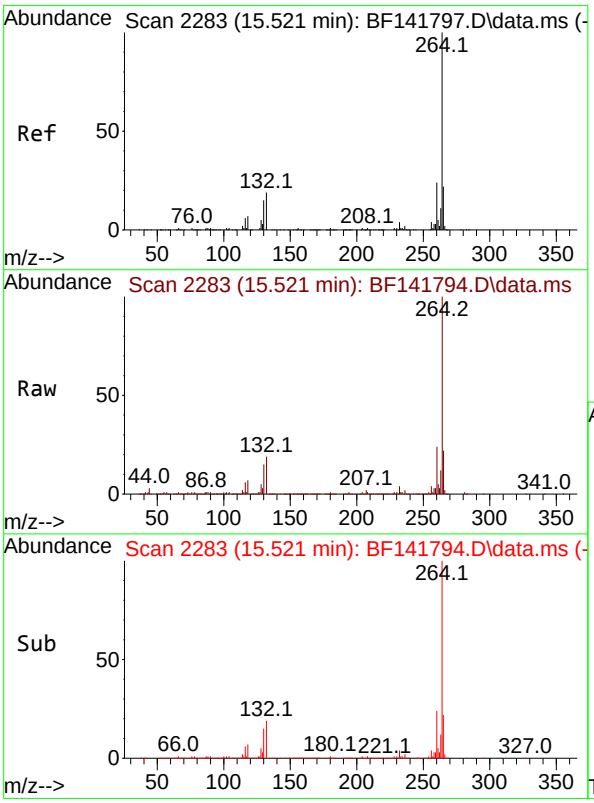
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.2	8.6	12.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

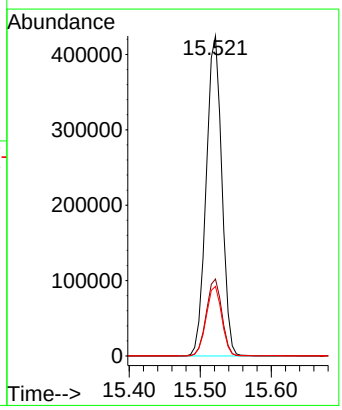


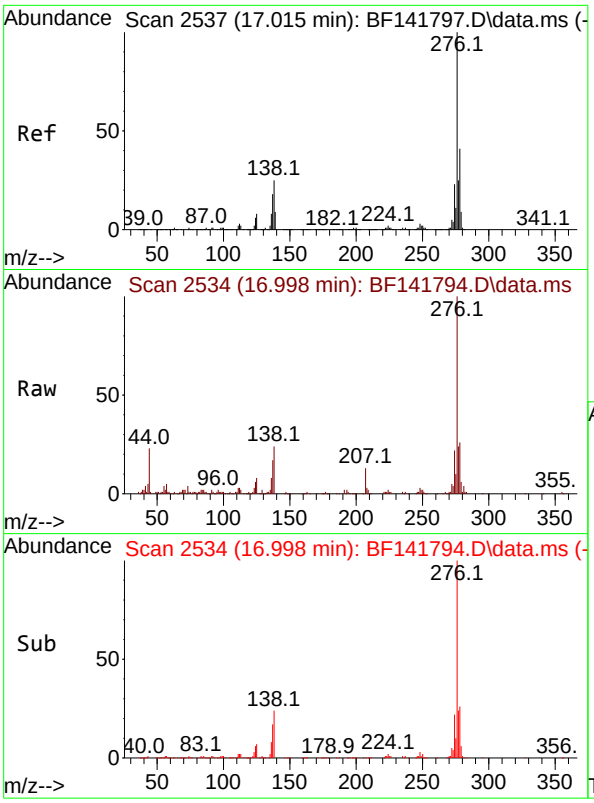


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:264 Resp: 648925

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.9	28.3
265	21.8	17.4	26.0

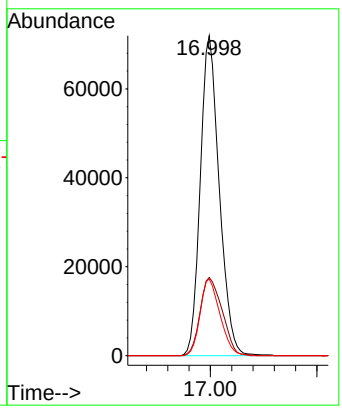




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.309 ng
RT: 16.998 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:276 Resp: 17803

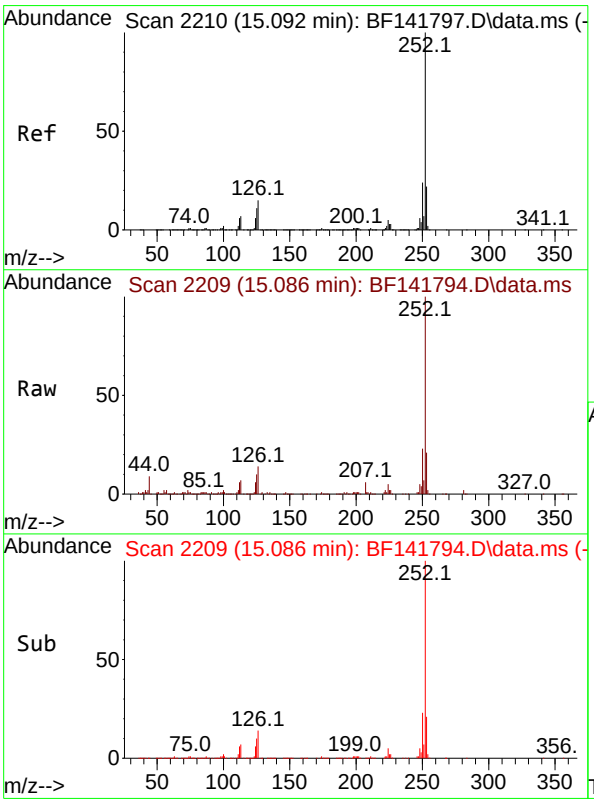
Ion	Ratio	Lower	Upper
276	100		
138	28.4	22.5	33.7
277	25.0	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

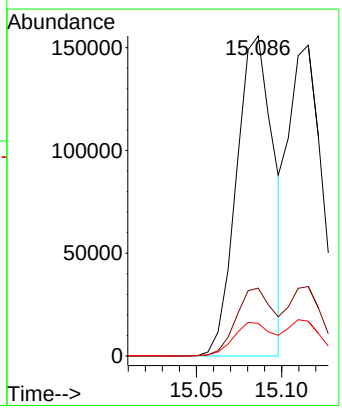
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

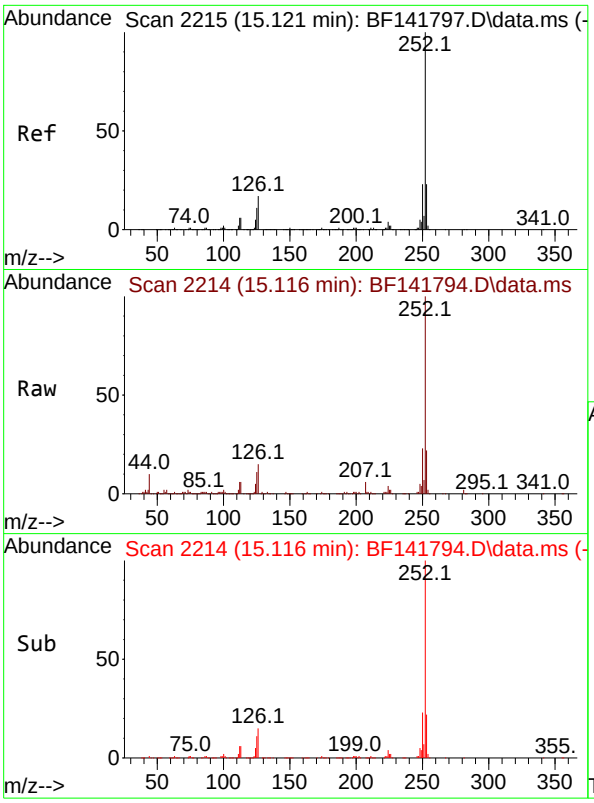


#88
Benzo(b)fluoranthene
Concen: 5.294 ng
RT: 15.086 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:252 Resp: 233991

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.7	26.5
125	10.2	8.6	13.0

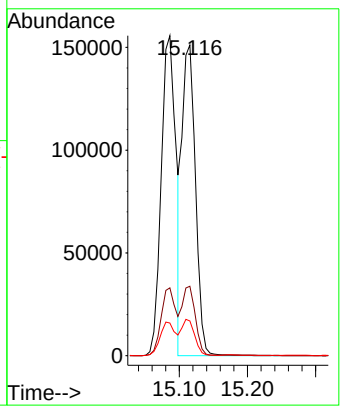




#89
Benzo(k)fluoranthene
Concen: 5.499 ng
RT: 15.116 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:252 Resp: 20661

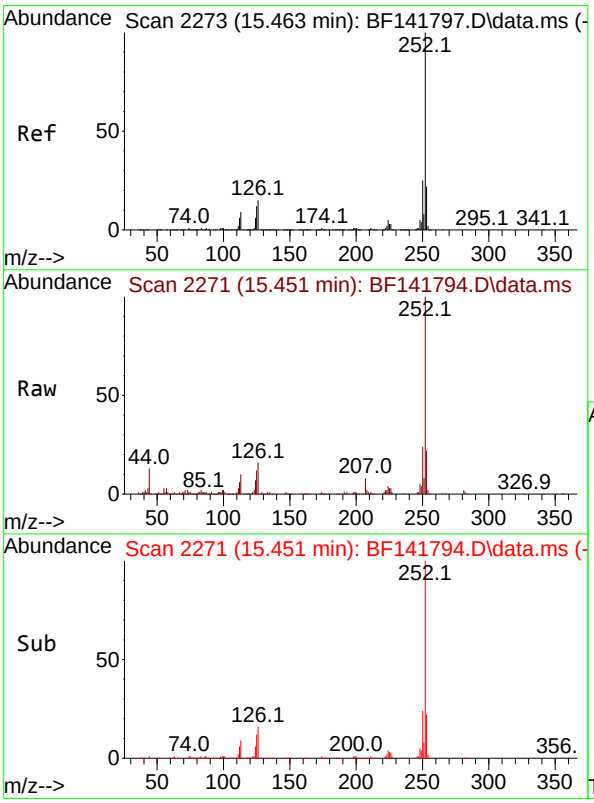
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	11.2	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

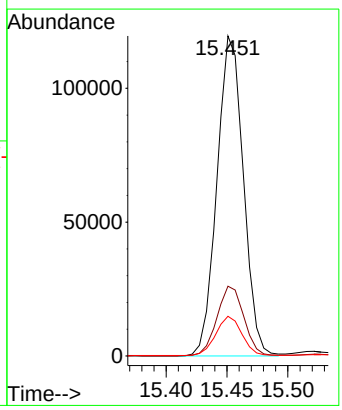
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

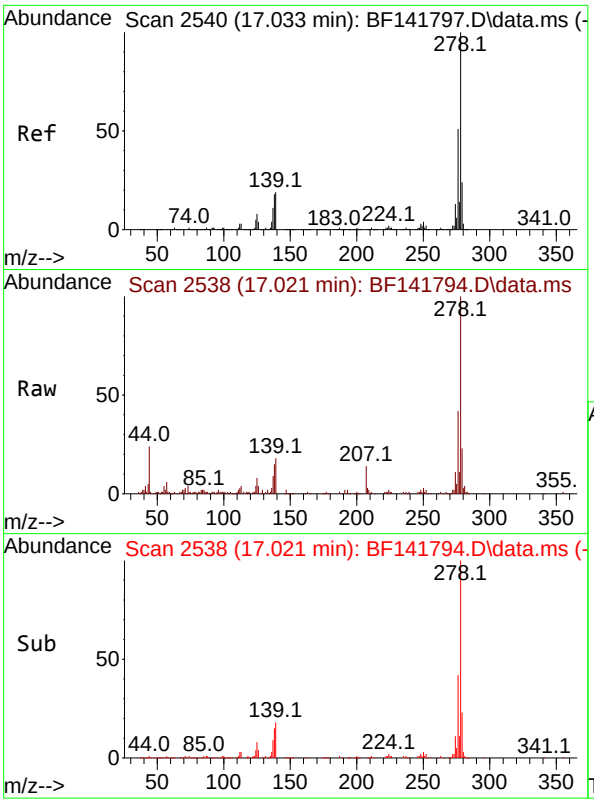


#90
Benzo(a)pyrene
Concen: 5.091 ng
RT: 15.451 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:252 Resp: 180486

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	12.4	9.4	14.2

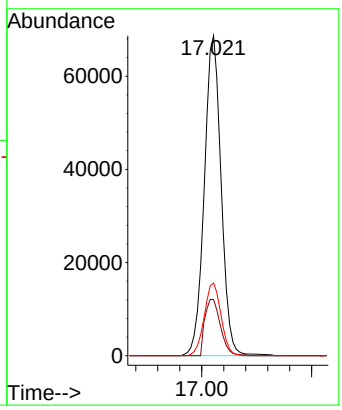




#91
Dibenzo(a,h)anthracene
Concen: 4.337 ng
RT: 17.021 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:278 Resp: 14627

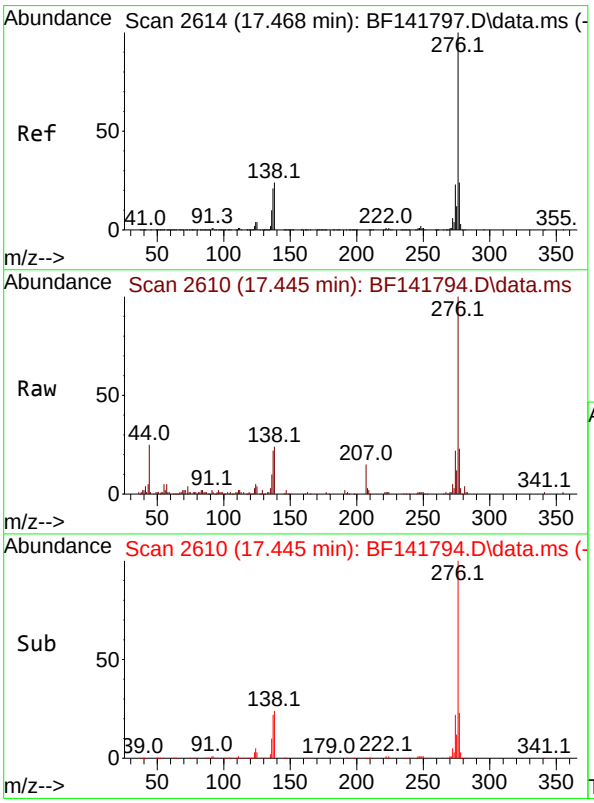
Ion	Ratio	Lower	Upper
278	100		
139	17.5	14.9	22.3
279	22.7	19.3	28.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

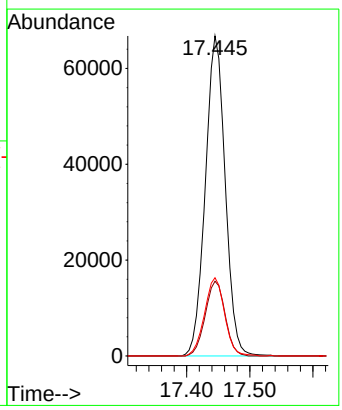
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#92
Benzo(g,h,i)perylene
Concen: 4.218 ng
RT: 17.445 min Scan# 2610
Delta R.T. -0.024 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:276 Resp: 145755

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.4	29.0
138	24.4	19.3	28.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141795.D
Acq On : 27 Feb 2025 16:16
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 28 01:24:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.887	152	289266	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	1173835	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	647904	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	1098842	20.000	ng		0.00
76) Chrysene-d12	14.045	240	800194	20.000	ng		0.00
86) Perylene-d12	15.521	264	586419	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	380350	20.998	ng		0.00
7) Phenol-d6	6.498	99	493731	20.942	ng		-0.01
23) Nitrobenzene-d5	7.445	82	318362	17.336	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	116043	19.078	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	898797	22.244	ng		0.00
79) Terphenyl-d14	12.992	244	986786	19.952	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.687	88	80189	9.757	ng		99
3) Pyridine	3.451	79	204276	9.989	ng		99
4) n-Nitrosodimethylamine	3.381	42	96264	9.784	ng	#	97
6) Aniline	6.545	93	249709	10.243	ng		99
8) 2-Chlorophenol	6.669	128	203282	10.375	ng		97
9) Benzaldehyde	6.434	77	157352	11.474	ng		99
10) Phenol	6.510	94	263599m	10.494	ng		
11) bis(2-Chloroethyl)ether	6.616	93	198994	10.362	ng		100
12) 1,3-Dichlorobenzene	6.828	146	219862	10.478	ng		98
13) 1,4-Dichlorobenzene	6.904	146	221703	10.486	ng		100
14) 1,2-Dichlorobenzene	7.057	146	208788	10.575	ng		99
15) Benzyl Alcohol	7.016	79	195649	10.384	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.163	45	302932	10.387	ng		99
17) 2-Methylphenol	7.122	107	163693	10.121	ng		98
18) Hexachloroethane	7.404	117	78340	9.899	ng		97
19) n-Nitroso-di-n-propyla...	7.287	70	159860	10.315	ng		97
20) 3+4-Methylphenols	7.275	107	218359	10.842	ng	#	90
22) Acetophenone	7.292	105	303217	10.606	ng	#	95
24) Nitrobenzene	7.463	77	178109	9.057	ng		97
25) Isophorone	7.698	82	400228	10.145	ng		99
26) 2-Nitrophenol	7.781	139	52703	9.980	ng		99
27) 2,4-Dimethylphenol	7.810	122	146519	10.103	ng		99
28) bis(2-Chloroethoxy)met...	7.910	93	262861	10.445	ng		98
29) 2,4-Dichlorophenol	8.016	162	169218	10.114	ng		99
30) 1,2,4-Trichlorobenzene	8.110	180	188296	10.271	ng		98
31) Naphthalene	8.192	128	643621	10.668	ng		98
32) Benzoic acid	7.875	122	58209	11.729	ng		98
33) 4-Chloroaniline	8.234	127	230342	10.413	ng		99
34) Hexachlorobutadiene	8.310	225	113140	9.931	ng		99
35) Caprolactam	8.569	113	50734	9.855	ng		100
36) 4-Chloro-3-methylphenol	8.698	107	185621	9.987	ng		99
37) 2-Methylnaphthalene	8.881	142	425720	10.758	ng		100
38) 1-Methylnaphthalene	8.981	142	404087	10.642	ng		98
40) 1,2,4,5-Tetrachloroben...	9.045	216	194342	10.386	ng		99
41) Hexachlorocyclopentadiene	9.033	237	74446	9.533	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	119234	9.864	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141795.D
Acq On : 27 Feb 2025 16:16
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

Quant Time: Feb 28 01:24:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	118017	9.860	ng		99
46) 1,1'-Biphenyl	9.345	154	537368	10.896	ng		98
47) 2-Chloronaphthalene	9.369	162	383444	10.535	ng		98
48) 2-Nitroaniline	9.457	65	60658	9.877	ng		96
49) Acenaphthylene	9.786	152	586066	10.739	ng		99
50) Dimethylphthalate	9.639	163	455190	10.491	ng		99
51) 2,6-Dinitrotoluene	9.698	165	59617	9.588	ng		98
52) Acenaphthene	9.957	154	389154	10.568	ng		99
53) 3-Nitroaniline	9.863	138	62569	9.606	ng	#	91
54) 2,4-Dinitrophenol	9.969	184	15803	10.881	ng	#	1
55) Dibenzofuran	10.128	168	581120	10.843	ng		97
56) 4-Nitrophenol	10.004	139	51406	8.022	ng		94
57) 2,4-Dinitrotoluene	10.098	165	64291	9.401	ng		97
58) Fluorene	10.469	166	442697	11.027	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	101729	9.772	ng		99
60) Diethylphthalate	10.339	149	457600	10.520	ng		98
61) 4-Chlorophenyl-phenyle...	10.463	204	215289	10.703	ng		98
62) 4-Nitroaniline	10.475	138	60552	8.172	ng		94
63) Azobenzene	10.622	77	486878	10.631	ng		98
65) 4,6-Dinitro-2-methylph...	10.504	198	23863	11.957	ng		98
66) n-Nitrosodiphenylamine	10.580	169	374119	10.369	ng		99
67) 4-Bromophenyl-phenylether	10.951	248	130467	10.165	ng		99
68) Hexachlorobenzene	11.016	284	136626	10.081	ng		97
69) Atrazine	11.104	200	114276	11.517	ng		99
70) Pentachlorophenol	11.204	266	80231	9.334	ng		99
71) Phenanthrene	11.433	178	632699	10.764	ng		99
72) Anthracene	11.486	178	635314	10.785	ng		99
73) Carbazole	11.633	167	554900	10.667	ng		99
74) Di-n-butylphthalate	11.969	149	709254	10.756	ng		99
75) Fluoranthene	12.621	202	668370	11.098	ng		98
77) Benzidine	12.739	184	136857	13.588	ng		99
78) Pyrene	12.851	202	674877	9.740	ng		99
80) Butylbenzylphthalate	13.469	149	231474	9.194	ng		98
81) Benzo(a)anthracene	14.033	228	554778	10.496	ng		99
82) 3,3'-Dichlorobenzidine	13.998	252	152147	10.033	ng		99
83) Chrysene	14.074	228	473612	9.721	ng		99
84) Bis(2-ethylhexyl)phtha...	14.033	149	278482	8.884	ng		99
85) Di-n-octyl phthalate	14.645	149	368711	7.857	ng		100
87) Indeno(1,2,3-cd)pyrene	16.998	276	330014	8.838	ng		99
88) Benzo(b)fluoranthene	15.086	252	409420	10.250	ng		99
89) Benzo(k)fluoranthene	15.115	252	363518	10.707	ng		99
90) Benzo(a)pyrene	15.451	252	317564	9.913	ng		99
91) Dibenzo(a,h)anthracene	17.021	278	272918	8.954	ng		98
92) Benzo(g,h,i)perylene	17.445	276	272428	8.724	ng		98

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

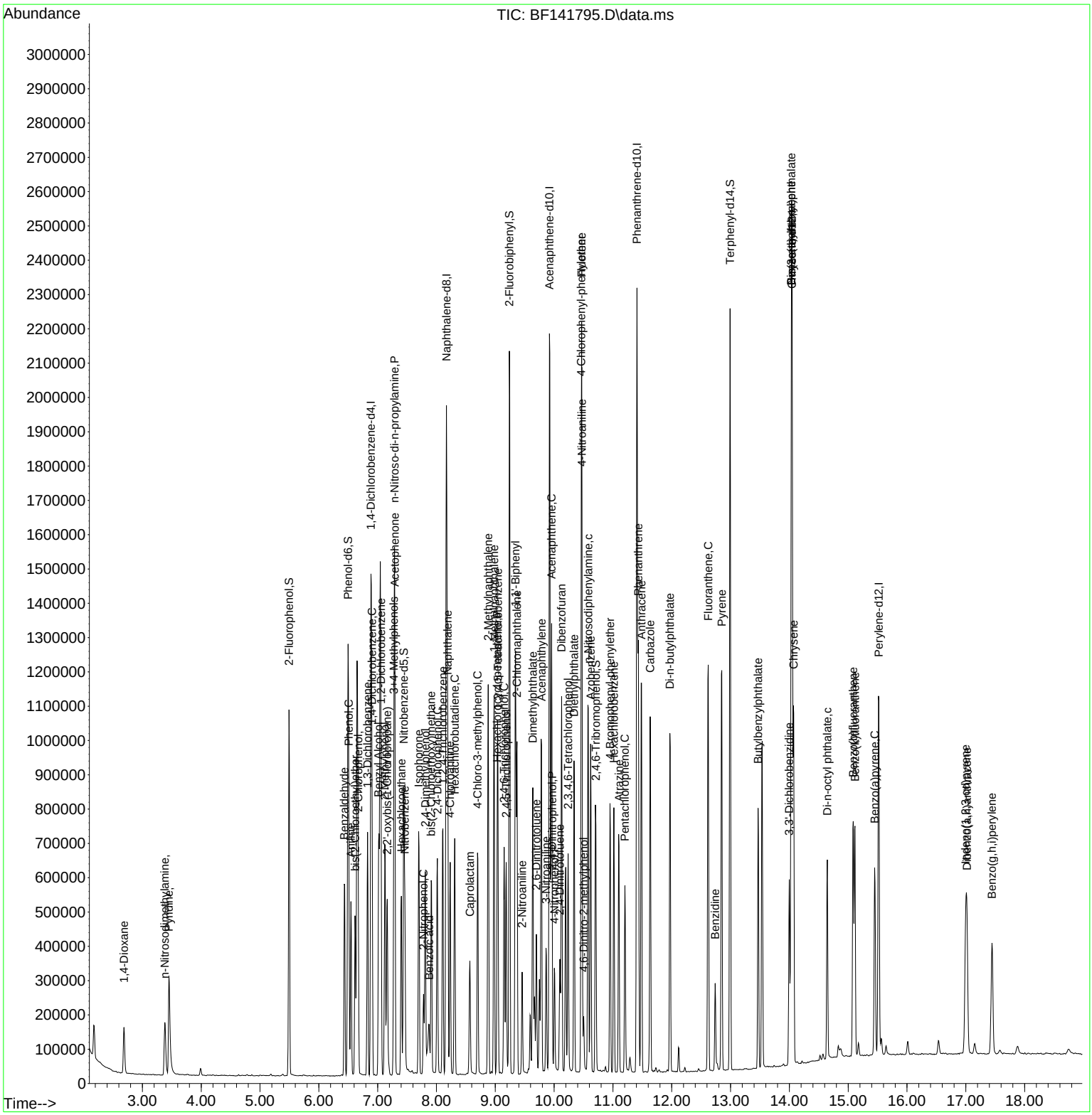
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141795.D
Acq On : 27 Feb 2025 16:16
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

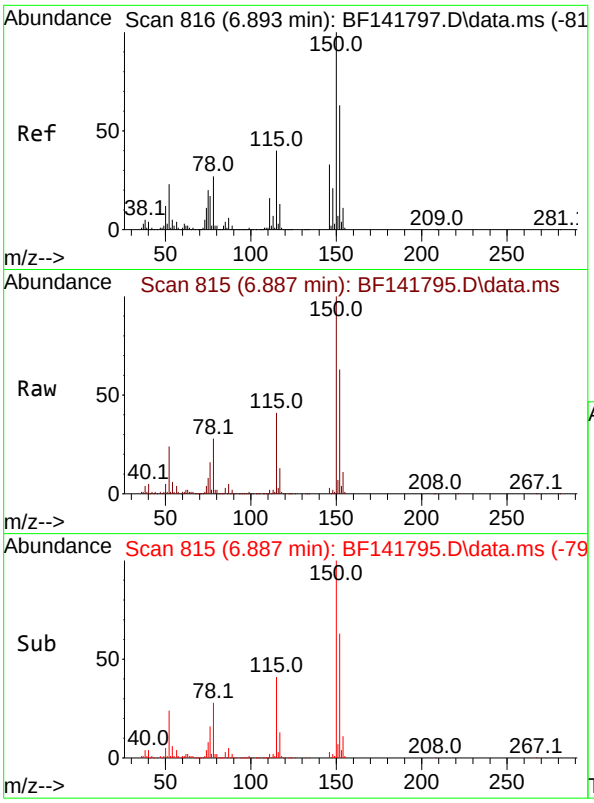
Quant Time: Feb 28 01:24:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

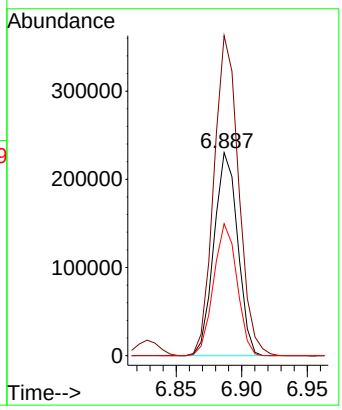




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:152 Resp: 28926

Ion	Ratio	Lower	Upper
152	100		
150	157.6	127.5	191.3
115	65.0	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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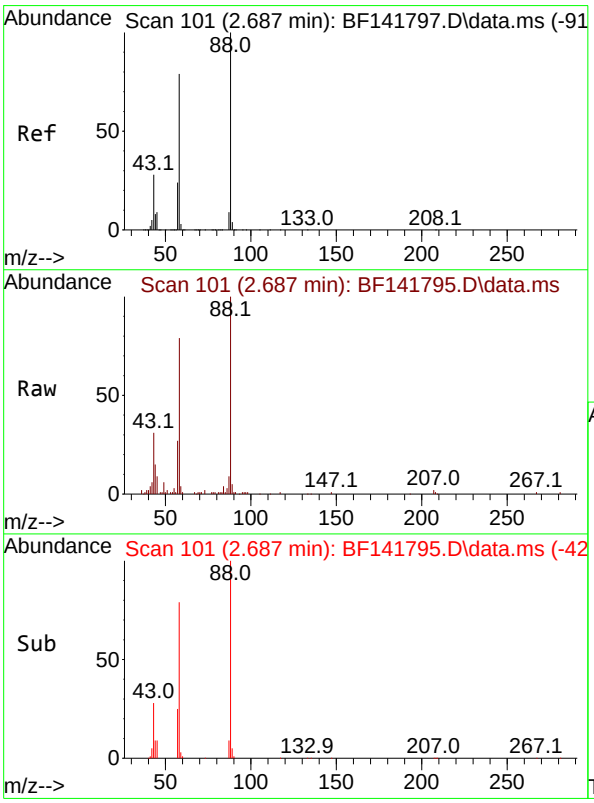
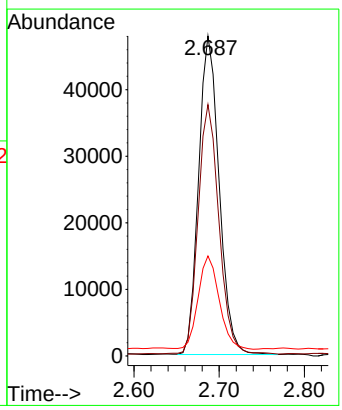
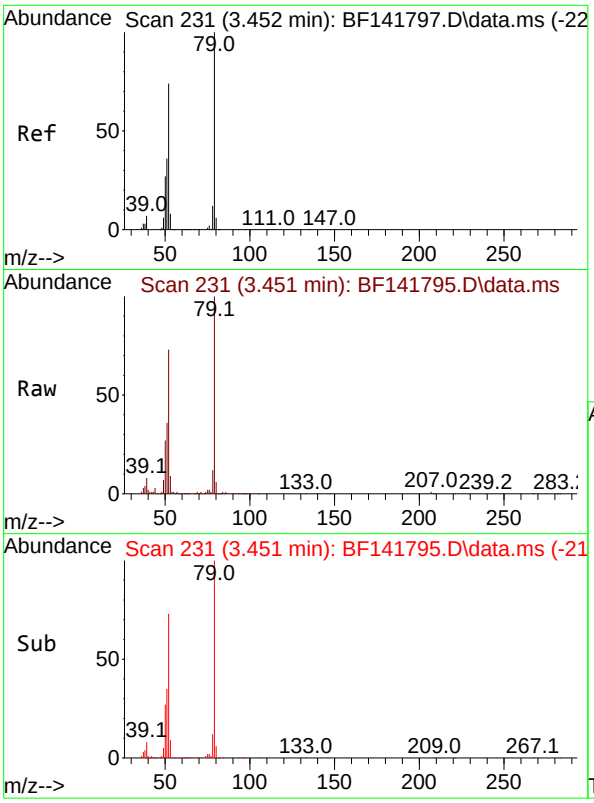


#2
1,4-Dioxane
Concen: 9.757 ng
RT: 2.687 min Scan# 101
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 88 Resp: 80189

Ion	Ratio	Lower	Upper
88	100		
58	79.3	63.9	95.9
43	30.0	23.0	34.6





#3
Pyridine
Concen: 9.989 ng
RT: 3.451 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 79 Resp: 20427

Ion	Ratio	Lower	Upper
79	100		
52	73.2	59.0	88.4
51	35.9	29.0	43.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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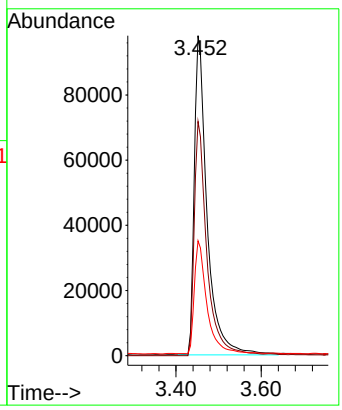
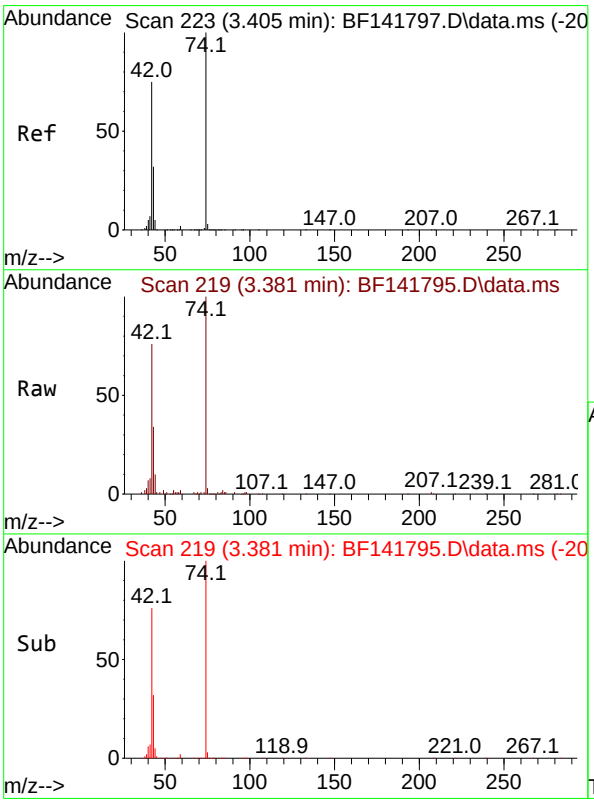
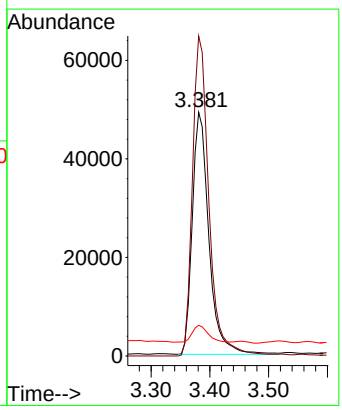


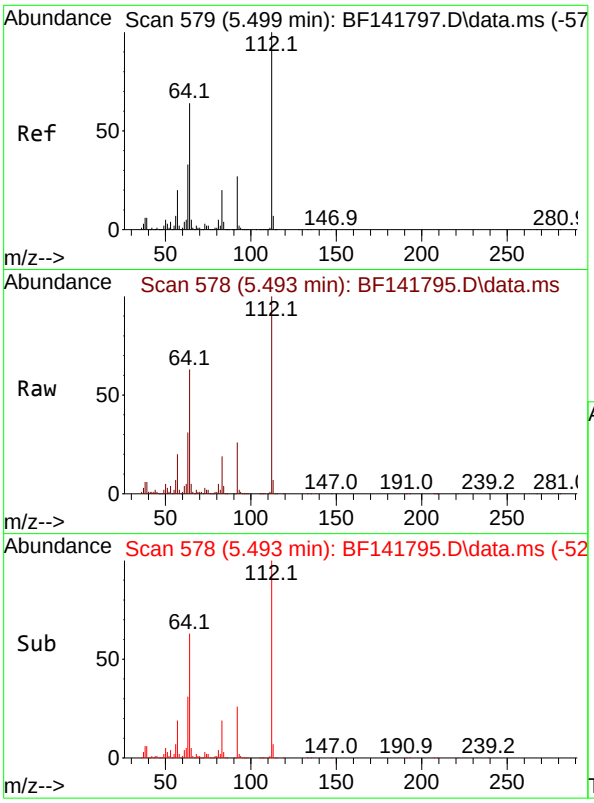


#4
n-Nitrosodimethylamine
Concen: 9.784 ng
RT: 3.381 min Scan# 219
Delta R.T. -0.024 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 42 Resp: 96264

Ion	Ratio	Lower	Upper
42	100		
74	131.3	107.1	160.7
44	12.5	6.6	9.8#

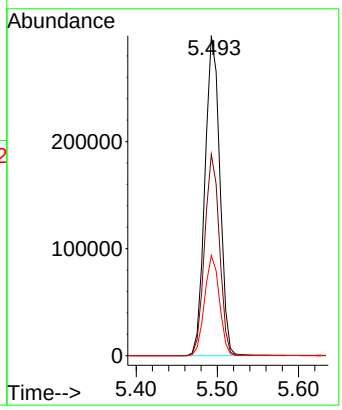




#5
2-Fluorophenol
Concen: 20.998 ng
RT: 5.493 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:112 Resp: 38035

Ion	Ratio	Lower	Upper
112	100		
64	63.0	51.3	76.9
63	31.3	26.2	39.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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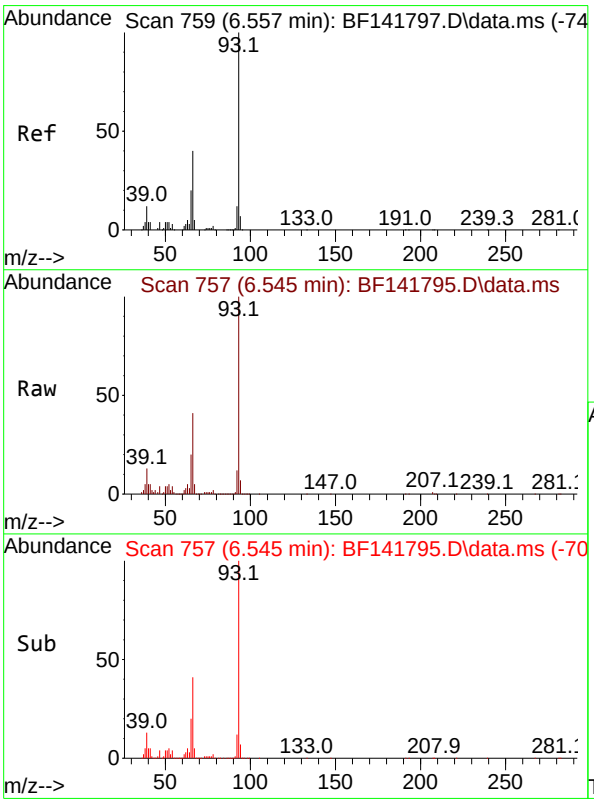
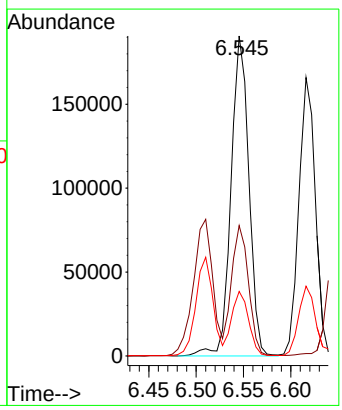
Supervised By :mohammad ahmed 02/28/2025

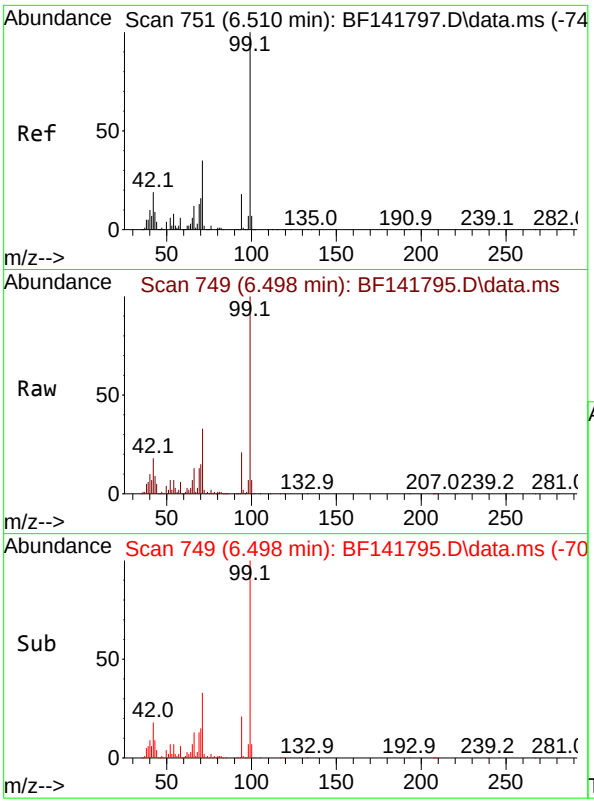


#6
Aniline
Concen: 10.243 ng
RT: 6.545 min Scan# 757
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 93 Resp: 249709

Ion	Ratio	Lower	Upper
93	100		
66	40.8	32.3	48.5
65	20.2	15.9	23.9

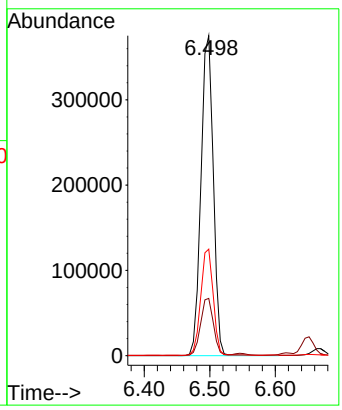




#7
Phenol-d6
Concen: 20.942 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 99 Resp: 49373

Ion	Ratio	Lower	Upper
99	100		
42	17.9	15.2	22.8
71	33.3	28.2	42.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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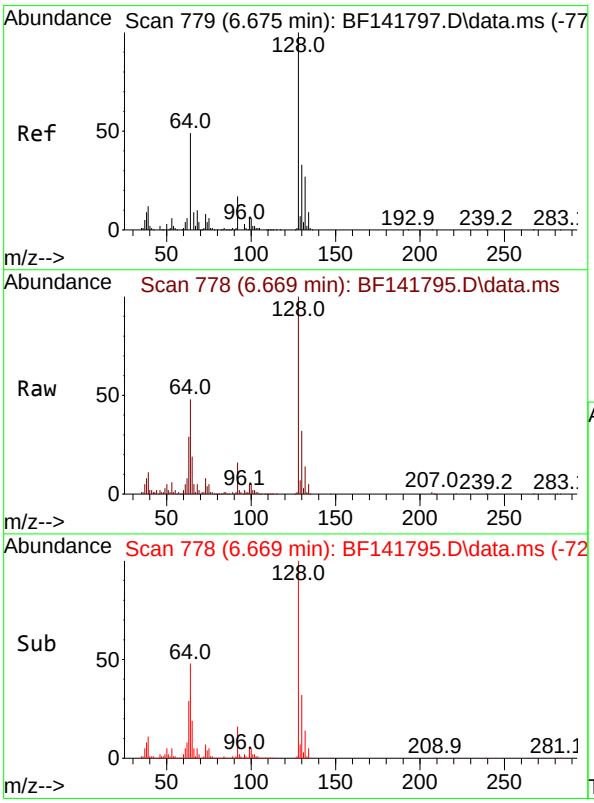
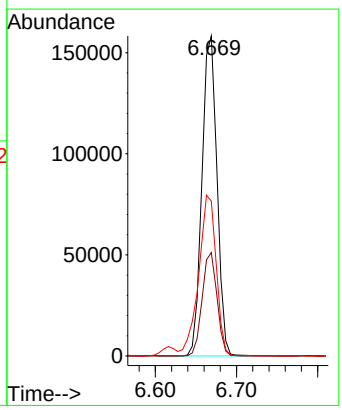
Supervised By :mohammad ahmed 02/28/2025

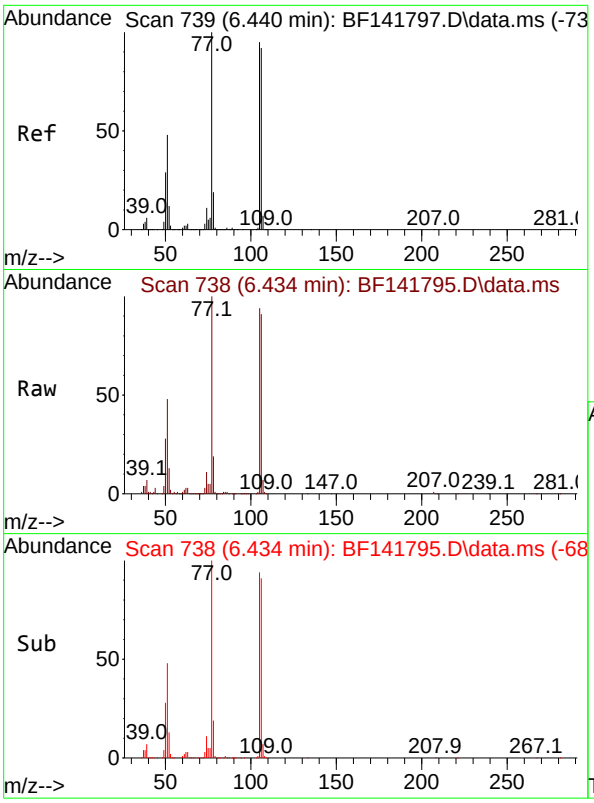


#8
2-Chlorophenol
Concen: 10.375 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:128 Resp: 203282

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.6	52.6
64	48.4	31.1	71.1

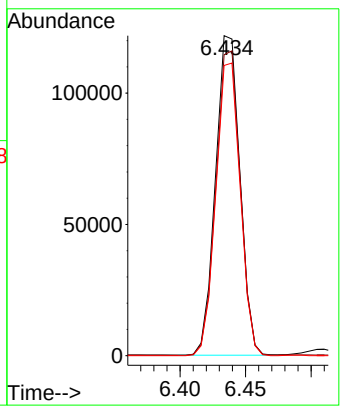




#9
Benzaldehyde
Concen: 11.474 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 77 Resp: 15735

Ion	Ratio	Lower	Upper
77	100		
105	94.0	75.3	115.3
106	90.7	72.3	112.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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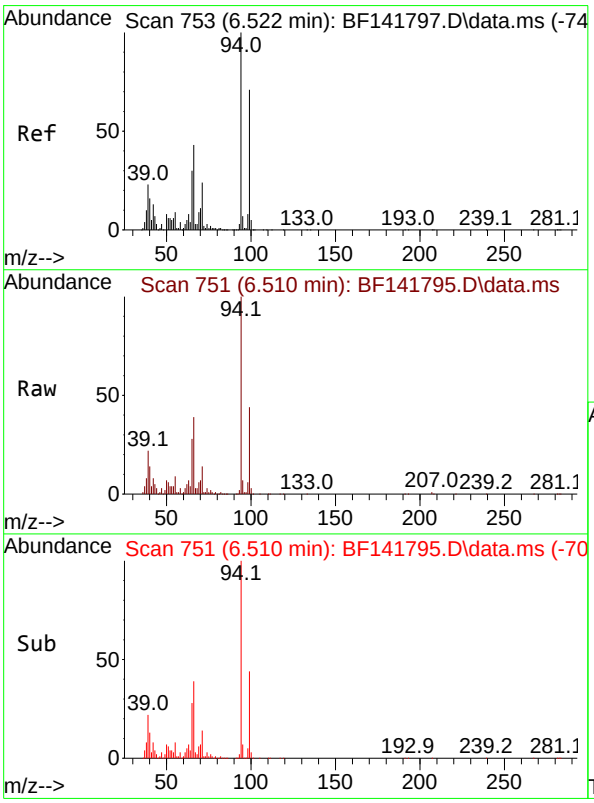
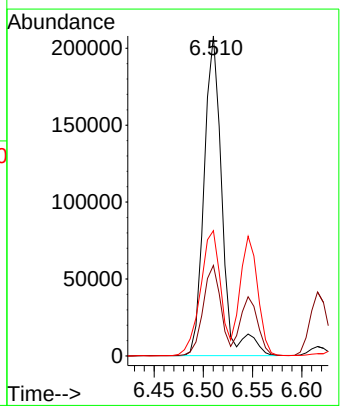
Supervised By :mohammad ahmed 02/28/2025

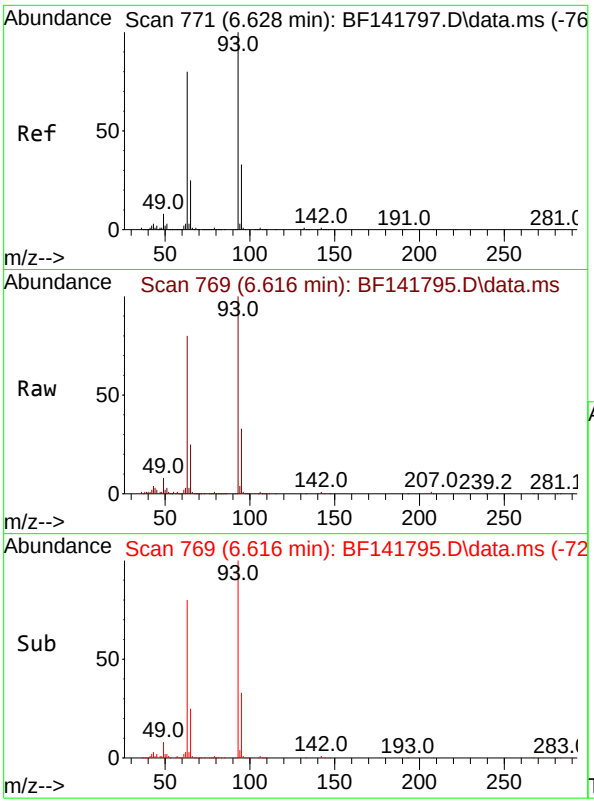


#10
Phenol
Concen: 10.494 ng m
RT: 6.510 min Scan# 751
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 94 Resp: 263599

Ion	Ratio	Lower	Upper
94	100		
65	28.3	10.2	50.2
66	39.2	23.2	63.2

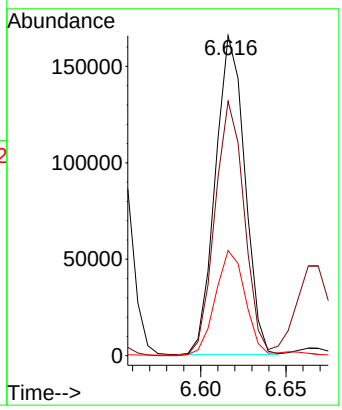




#11
bis(2-Chloroethyl)ether
Concen: 10.362 ng
RT: 6.616 min Scan# 7(
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 93 Resp: 19899(

Ion	Ratio	Lower	Upper
93	100		
63	79.5	59.3	99.3
95	32.8	13.2	53.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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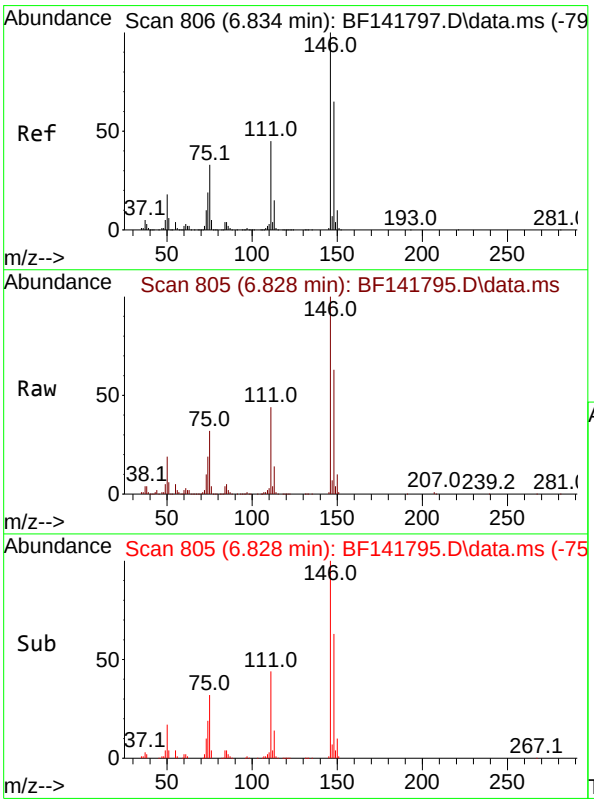
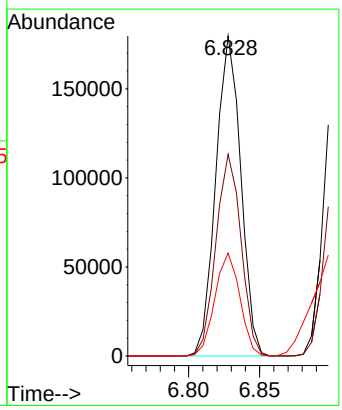
Supervised By :mohammad ahmed 02/28/2025

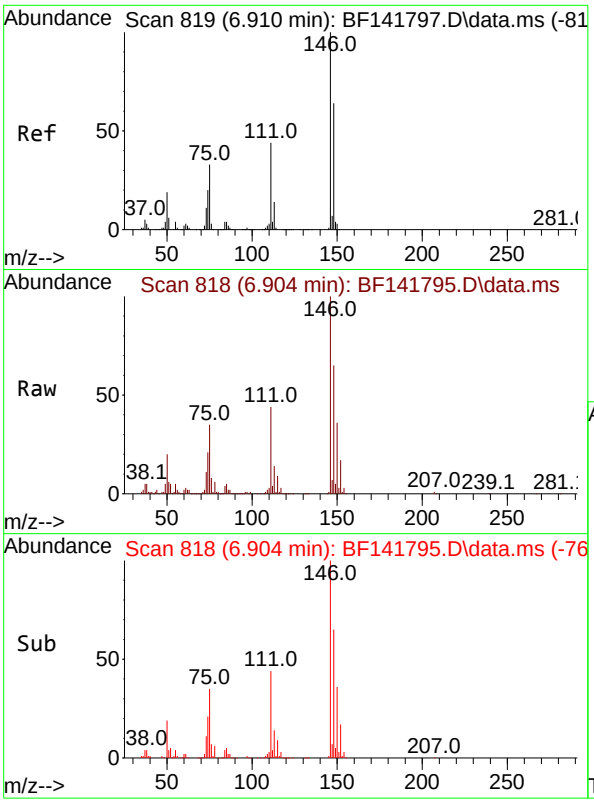


#12
1,3-Dichlorobenzene
Concen: 10.478 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:146 Resp: 219862

Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.8	77.6
75	32.2	26.2	39.4

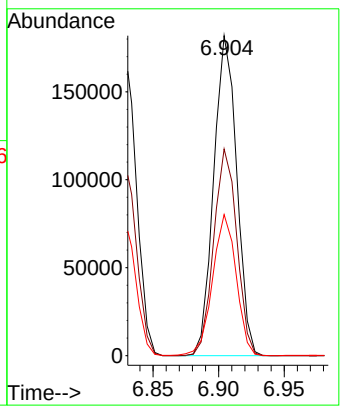




#13
1,4-Dichlorobenzene
Concen: 10.486 ng
RT: 6.904 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:146 Resp: 22170

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.4	77.2
111	44.1	35.5	53.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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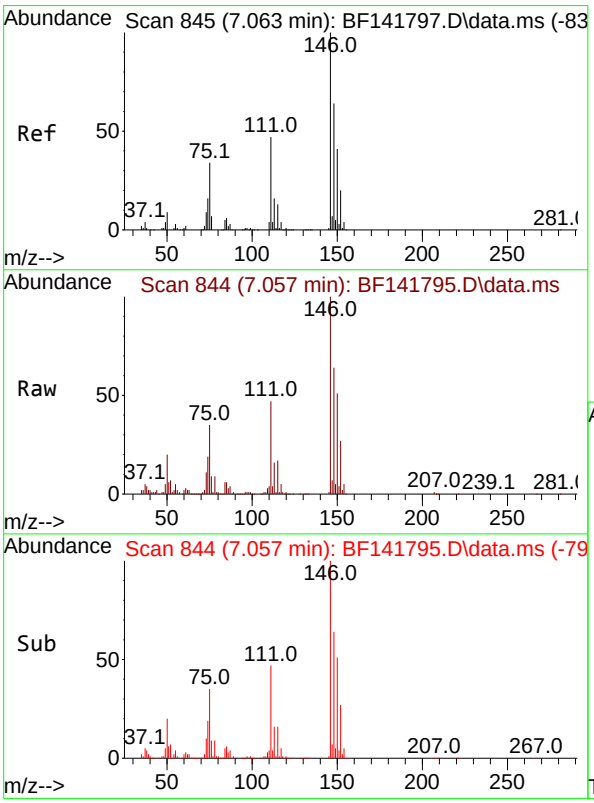
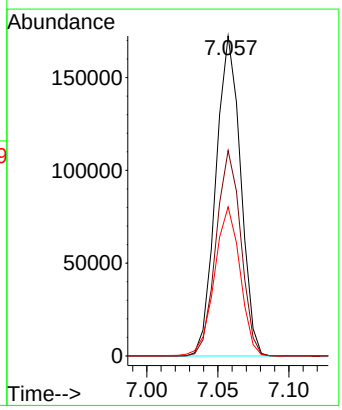
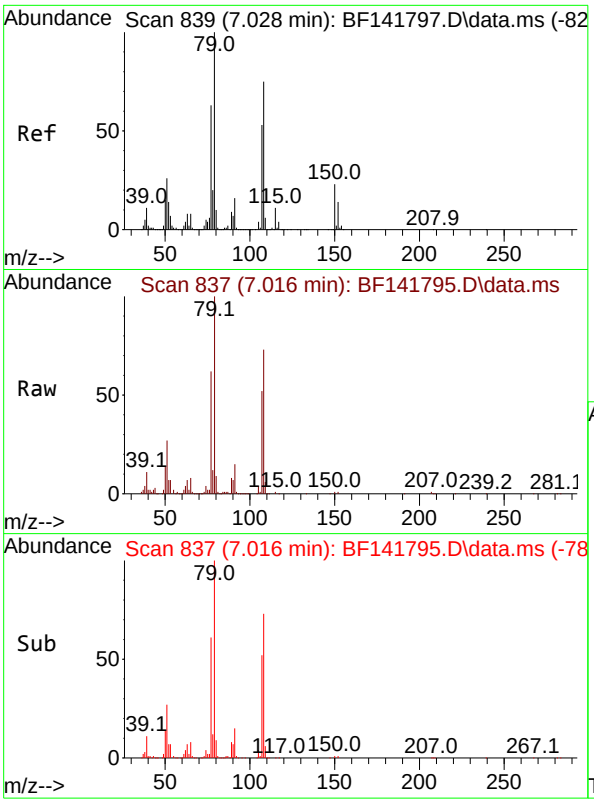


#14
1,2-Dichlorobenzene
Concen: 10.575 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:146 Resp: 208788

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.2	76.8
111	46.6	37.8	56.6





#15
Benzyl Alcohol
Concen: 10.384 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 79 Resp: 19564

Ion	Ratio	Lower	Upper
79	100		
108	73.1	60.2	90.2
77	61.6	50.2	75.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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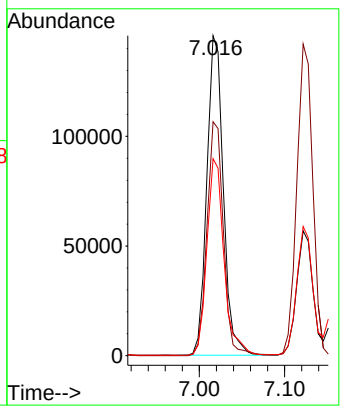
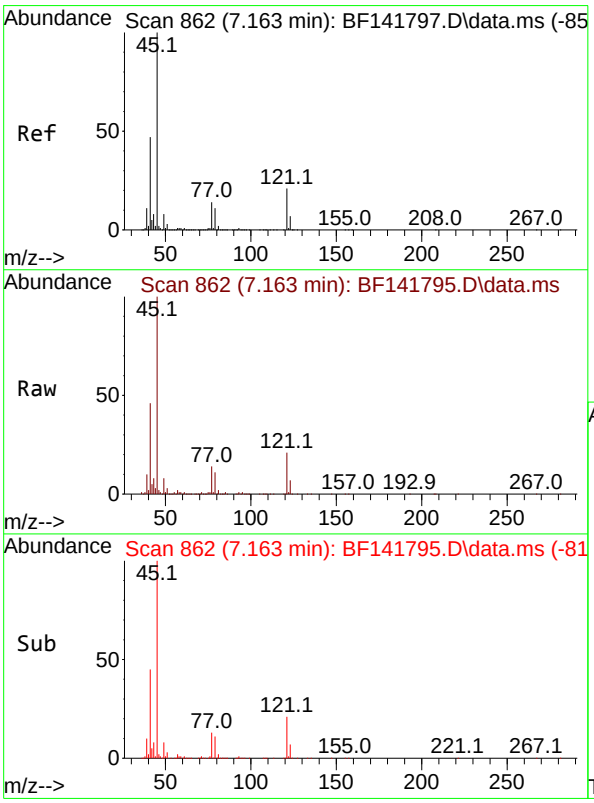
Supervised By :mohammad ahmed 02/28/2025

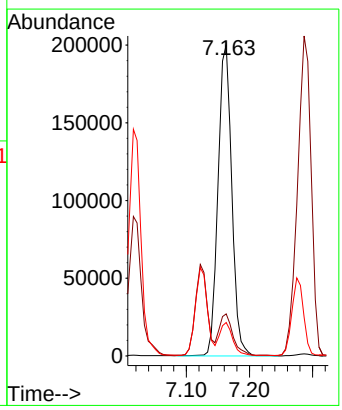


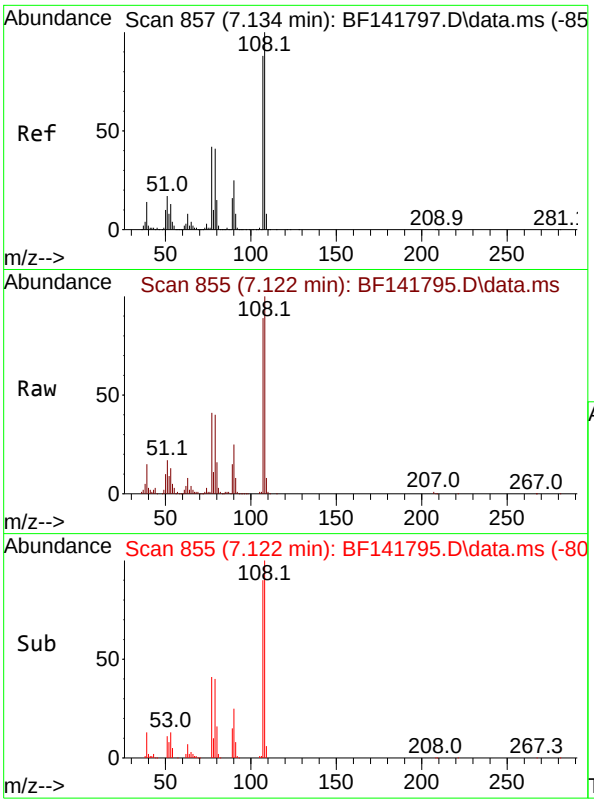


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.387 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 45 Resp: 302932

Ion	Ratio	Lower	Upper
45	100		
77	13.6	0.0	34.4
79	10.7	0.0	30.9

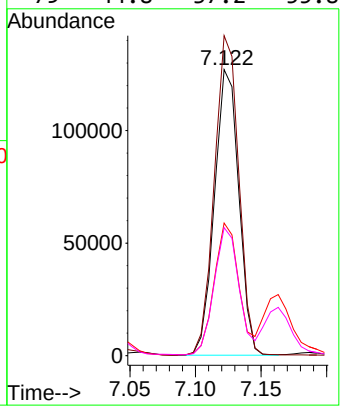




#17
2-Methylphenol
Concen: 10.121 ng
RT: 7.122 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:107 Resp: 16369

Ion	Ratio	Lower	Upper
107	100		
108	111.8	90.6	135.8
77	46.3	37.7	56.5
79	44.8	37.2	55.8



Instrument :
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ClientSampleId :
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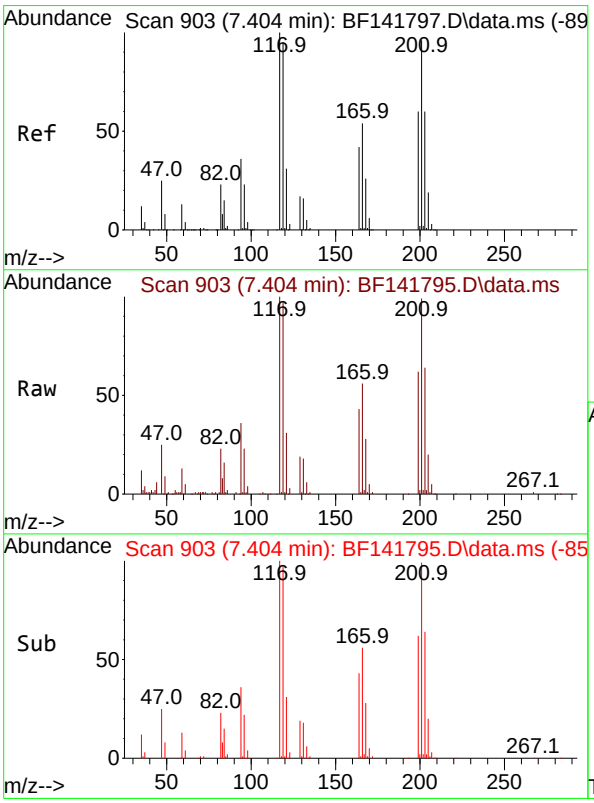
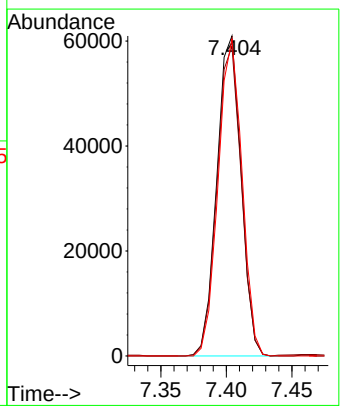
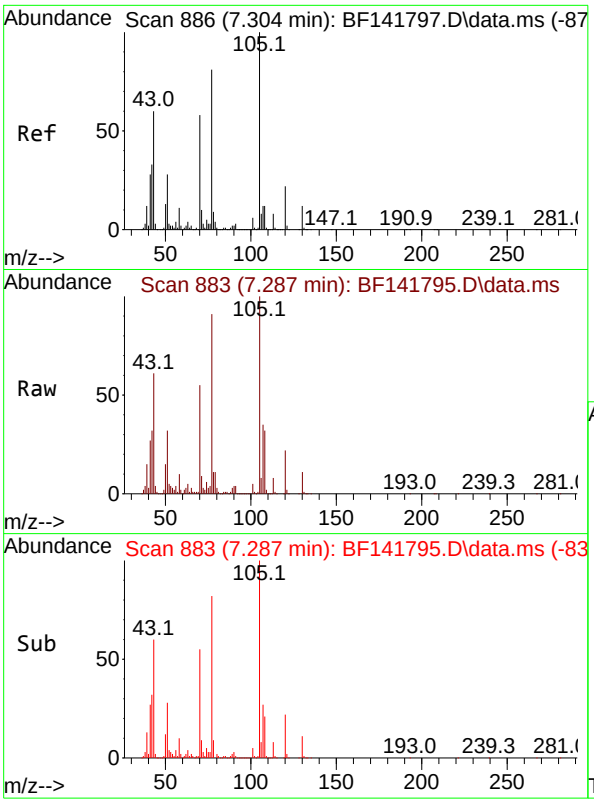


#18
Hexachloroethane
Concen: 9.899 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:117 Resp: 78340

Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.8	113.8
201	99.1	76.7	115.1

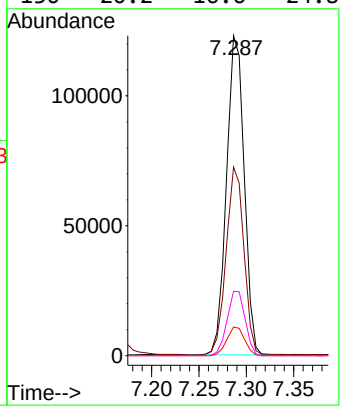




#19
n-Nitroso-di-n-propylamine
Concen: 10.315 ng
RT: 7.287 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 70 Resp: 15986

Ion	Ratio	Lower	Upper
70	100		
42	58.9	45.4	68.0
101	8.9	7.8	11.8
130	20.2	16.6	24.8



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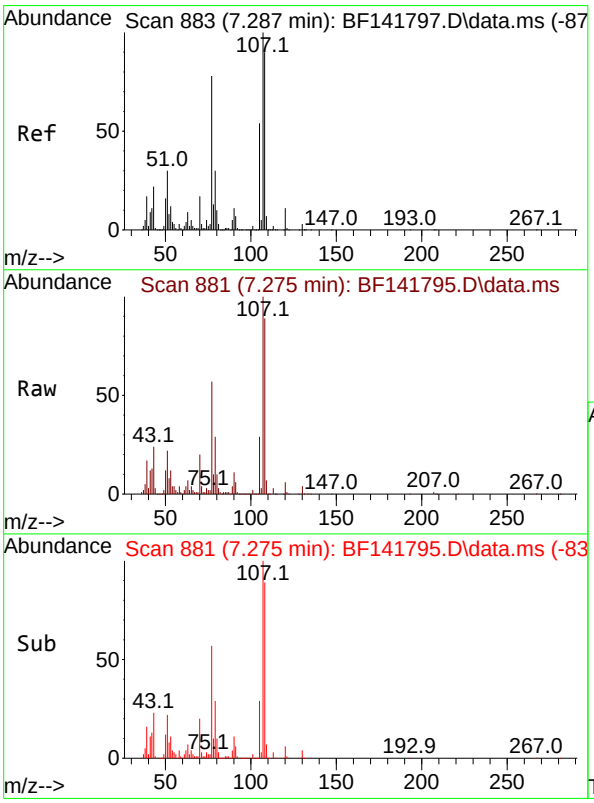
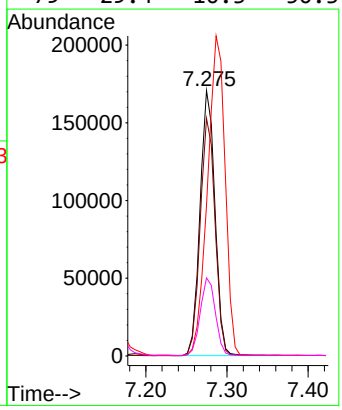
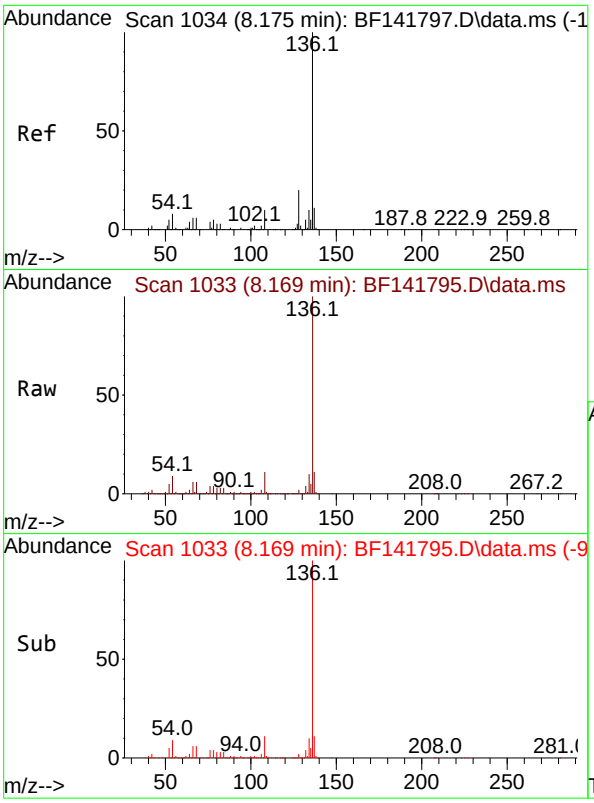


#20
3+4-Methylphenols
Concen: 10.842 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:107 Resp: 218359

Ion	Ratio	Lower	Upper
107	100		
108	89.5	69.7	109.7
77	56.7	58.3	98.3#
79	29.4	10.3	50.3

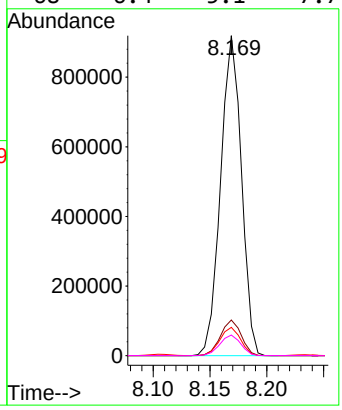




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:136 Resp: 117383

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.8	6.9	10.3
68	6.4	5.1	7.7



Instrument :
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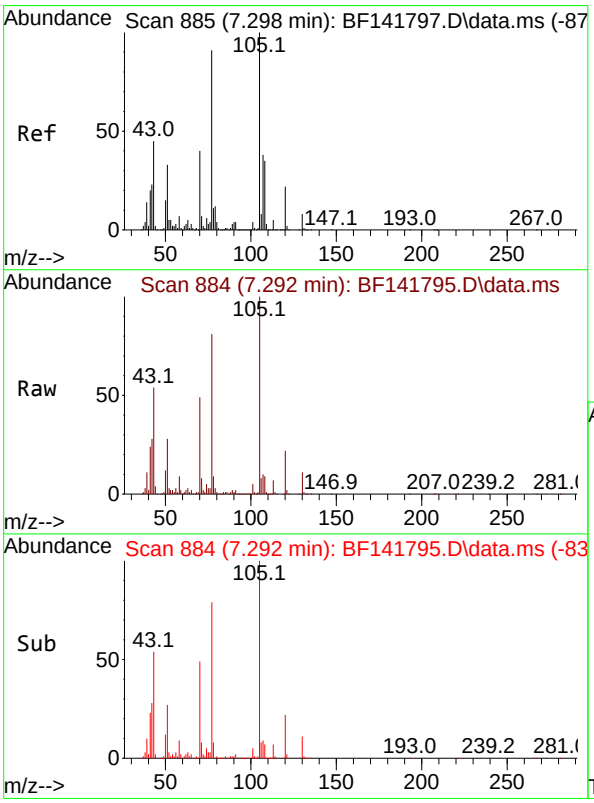
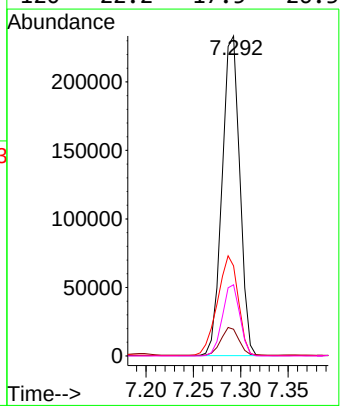
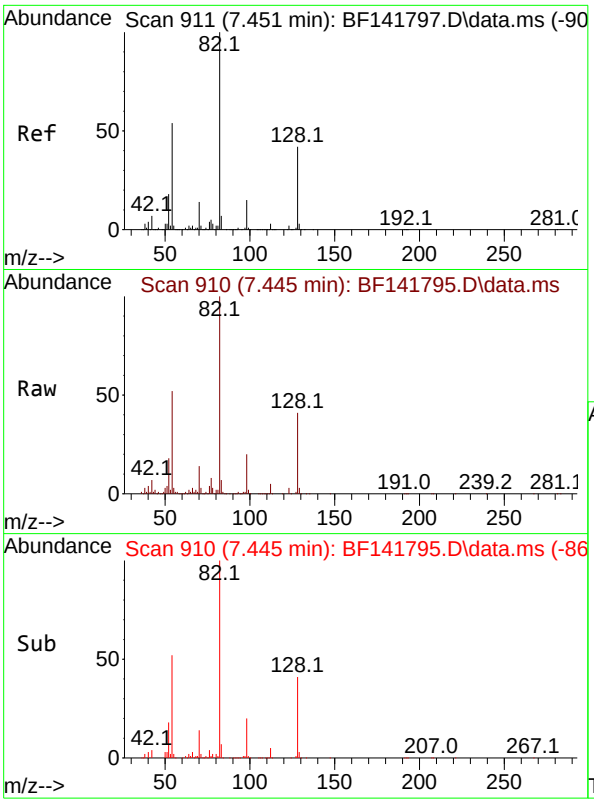


#22
Acetophenone
Concen: 10.606 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:105 Resp: 303217

Ion	Ratio	Lower	Upper
105	100		
71	8.4	5.4	8.0#
51	28.2	26.1	39.1
120	22.2	17.5	26.3





#23
Nitrobenzene-d5
Concen: 17.336 ng
RT: 7.445 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 82 Resp: 31836

Ion	Ratio	Lower	Upper
82	100		
128	41.3	33.5	50.3
54	52.2	42.7	64.1

Instrument :
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ClientSampleId :
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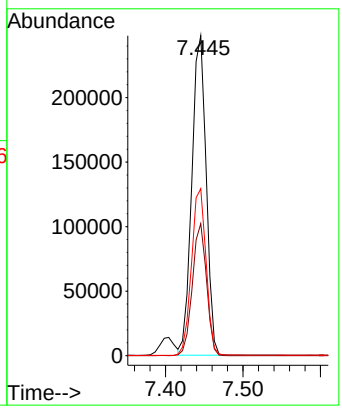
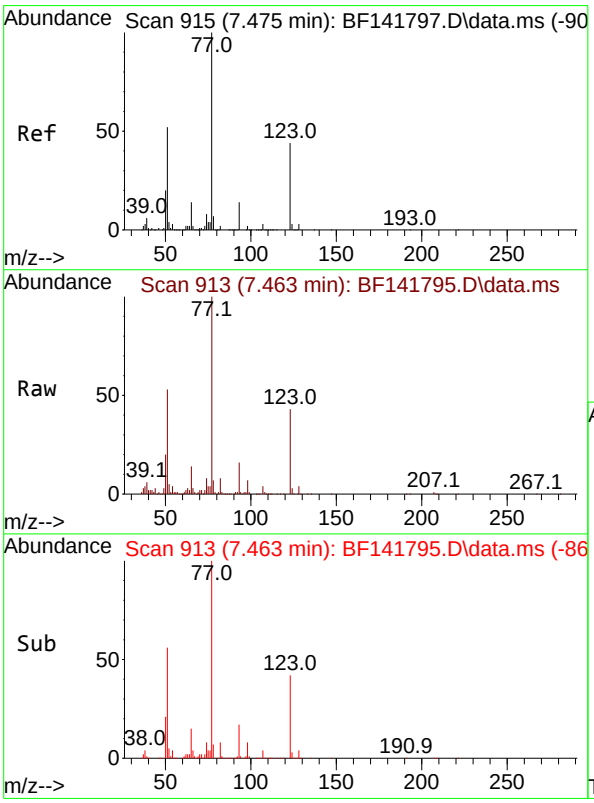
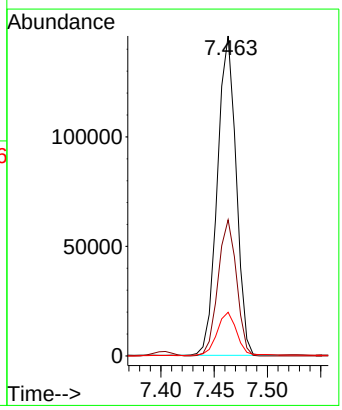


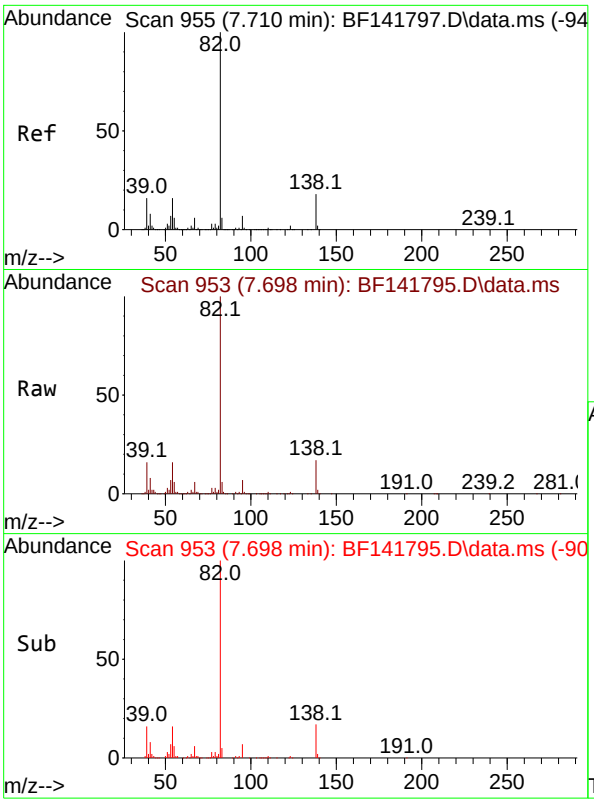


#24
Nitrobenzene
Concen: 9.057 ng
RT: 7.463 min Scan# 913
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 77 Resp: 178109

Ion	Ratio	Lower	Upper
77	100		
123	42.6	35.8	53.8
65	13.7	11.2	16.8





#25
Isophorone
Concen: 10.145 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 82 Resp: 40022

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.8	8.8
138	16.9	14.0	21.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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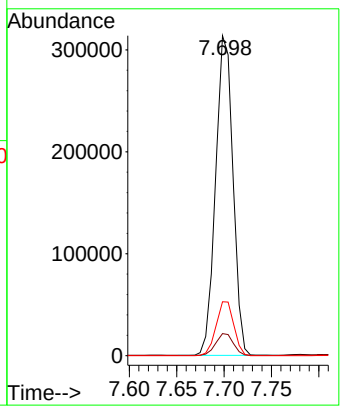
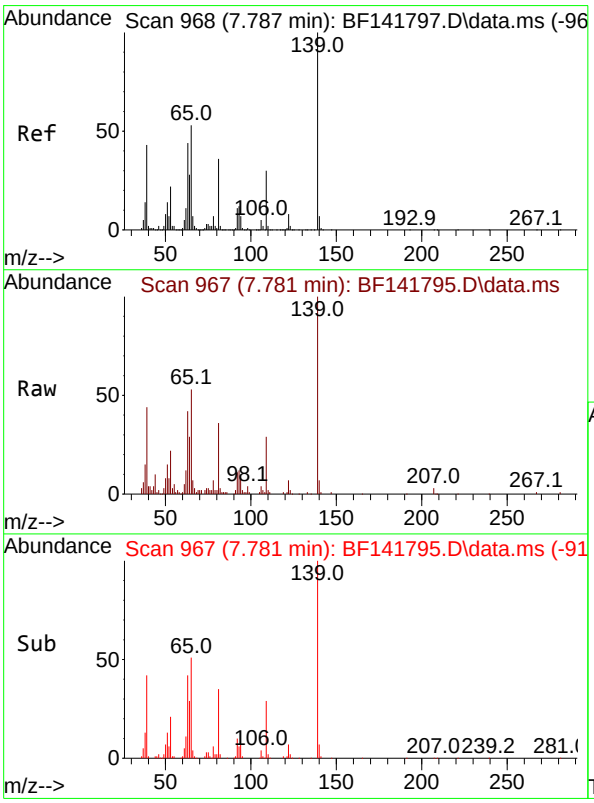
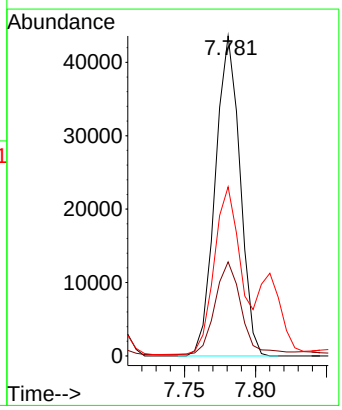


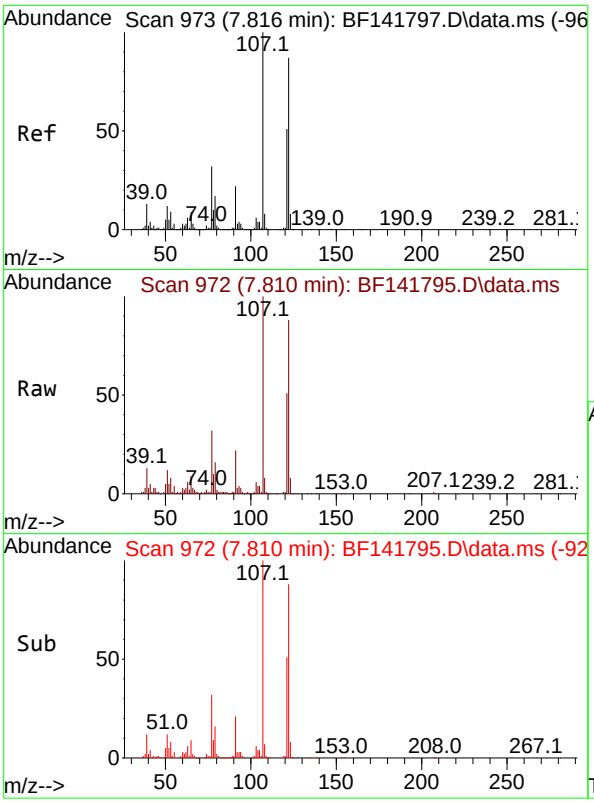


#26
2-Nitrophenol
Concen: 9.980 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:139 Resp: 52703

Ion	Ratio	Lower	Upper
139	100		
109	29.4	24.1	36.1
65	52.9	42.3	63.5

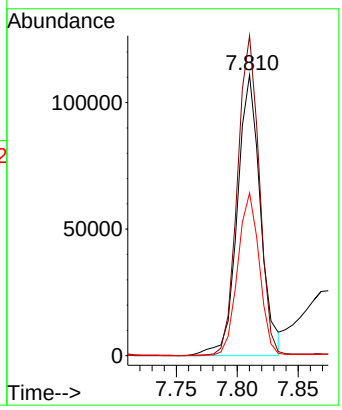




#27
2,4-Dimethylphenol
Concen: 10.103 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:122 Resp: 14651

Ion	Ratio	Lower	Upper
122	100		
107	113.9	92.5	138.7
121	57.9	47.1	70.7



Instrument :
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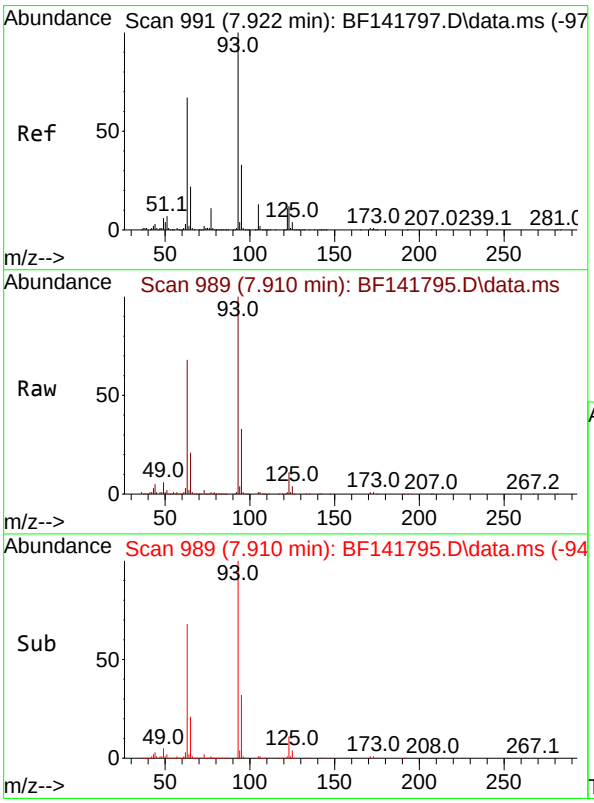
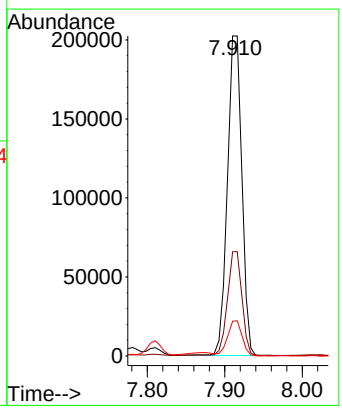
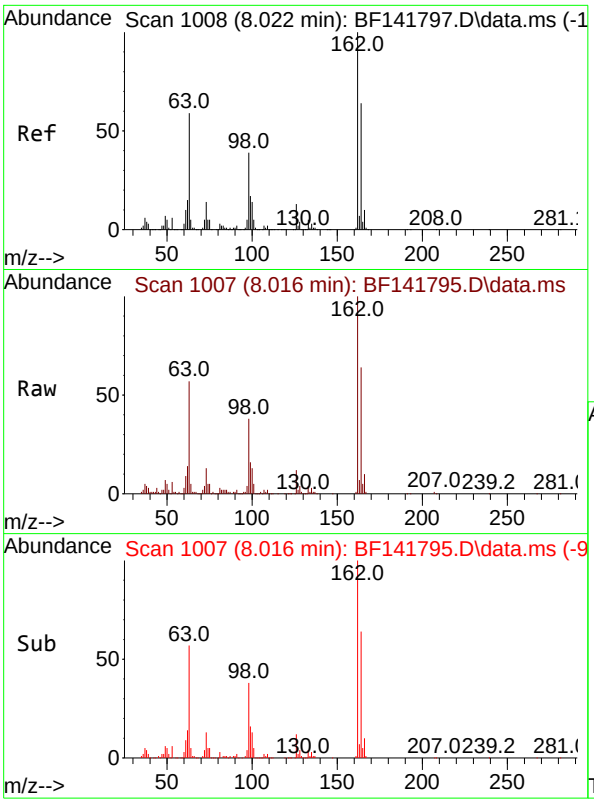


#28
bis(2-Chloroethoxy)methane
Concen: 10.445 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 93 Resp: 262861

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.5	39.7
123	10.8	10.0	15.0





#29
2,4-Dichlorophenol
Concen: 10.114 ng
RT: 8.016 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:162 Resp: 16921(

Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.3	84.3
98	38.5	19.6	59.6

Instrument :
BNA_F
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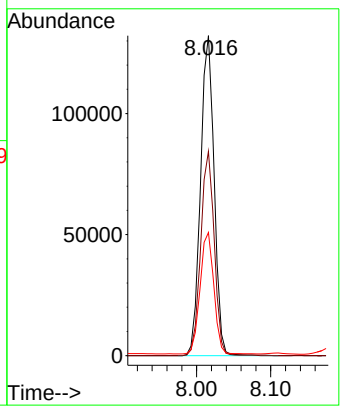
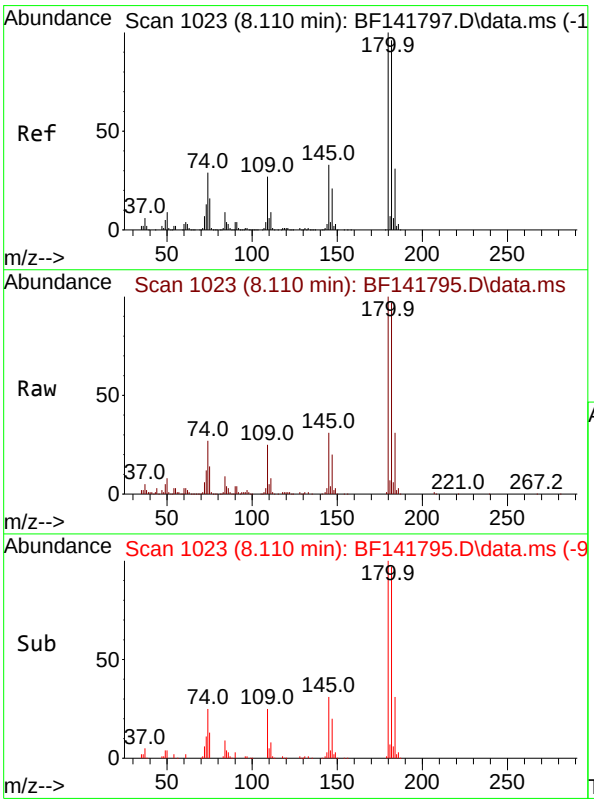
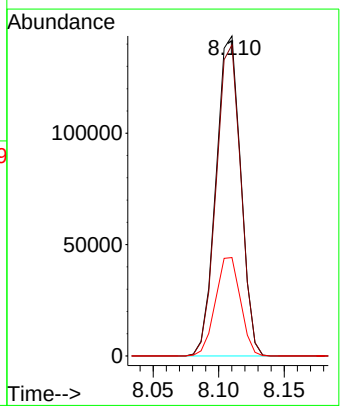


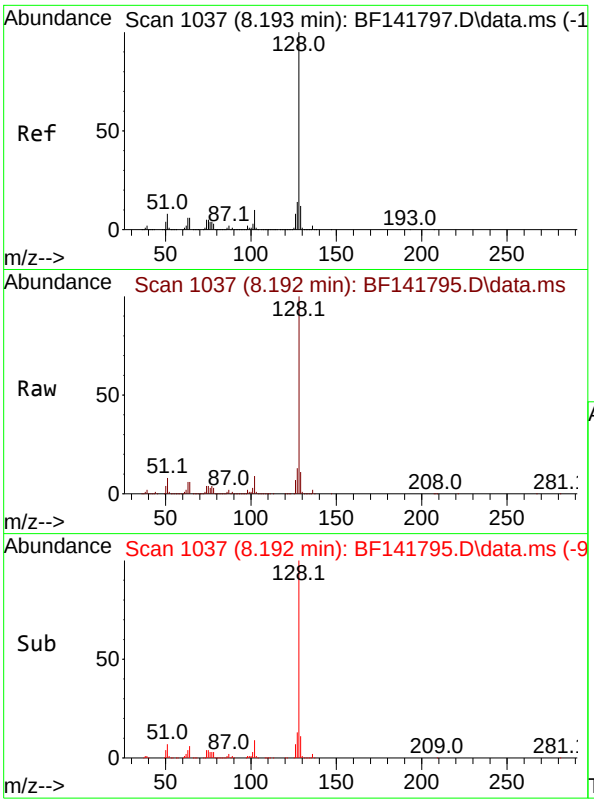


#30
1,2,4-Trichlorobenzene
Concen: 10.271 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:180 Resp: 188296

Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.8	115.2
145	30.8	26.4	39.6

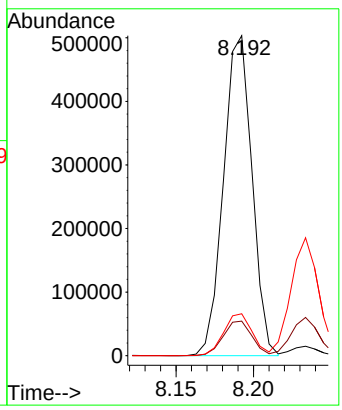




#31
Naphthalene
Concen: 10.668 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:128 Resp: 64362

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.2	13.8
127	13.1	11.0	16.4



Instrument :
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ClientSampleId :
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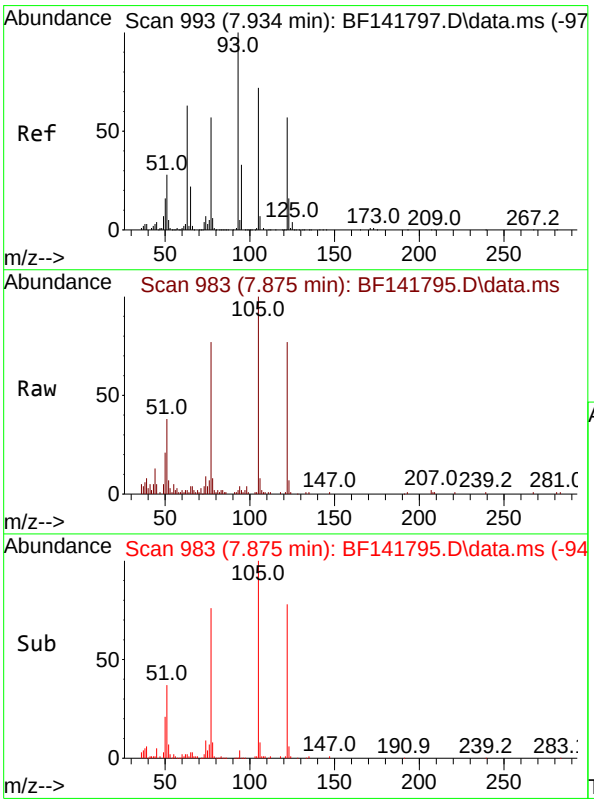
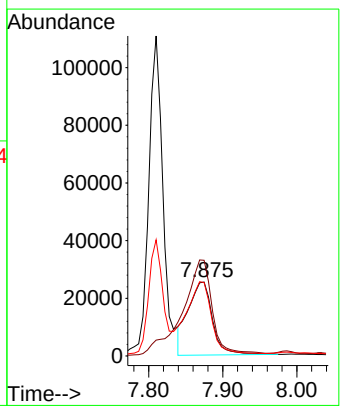
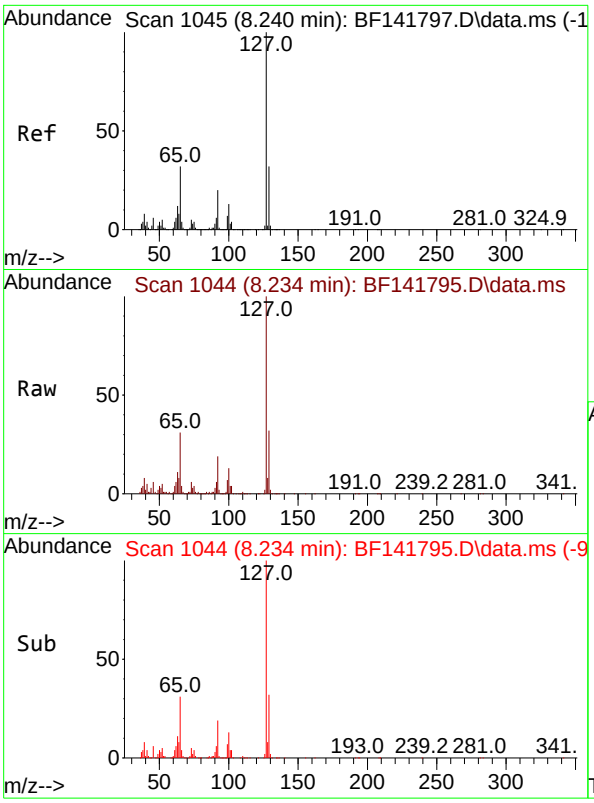


#32
Benzoic acid
Concen: 11.729 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.059 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:122 Resp: 58209

Ion	Ratio	Lower	Upper
122	100		
105	129.5	105.8	145.8
77	99.2	79.9	119.9

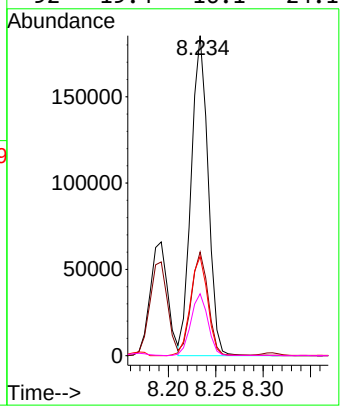




#33
4-Chloroaniline
Concen: 10.413 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:127 Resp: 23034

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.1	39.1
65	30.9	25.7	38.5
92	19.4	16.1	24.1



Instrument :
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ClientSampleId :
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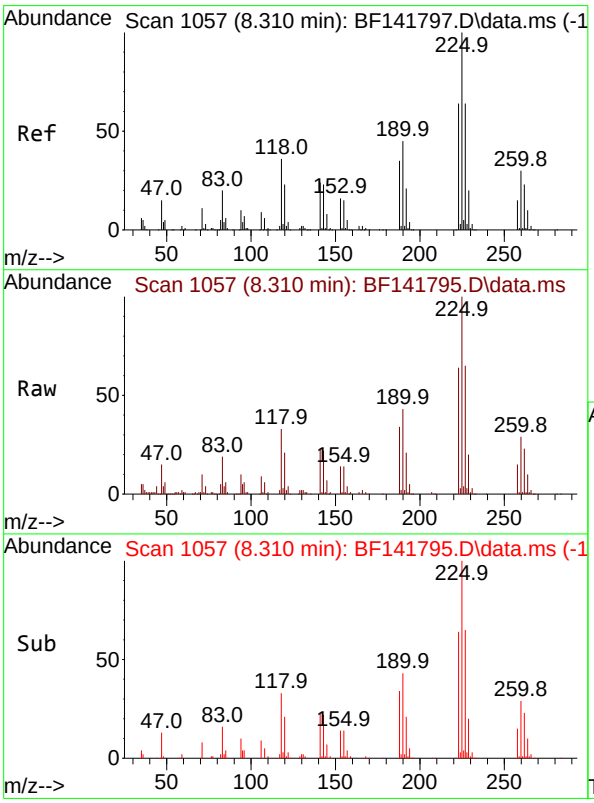
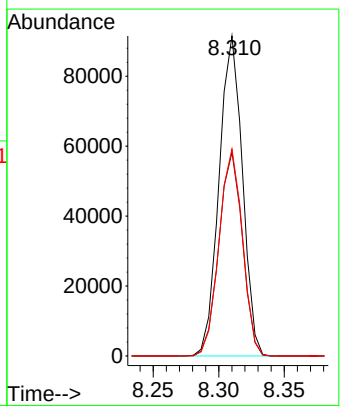
Supervised By :mohammad ahmed 02/28/2025

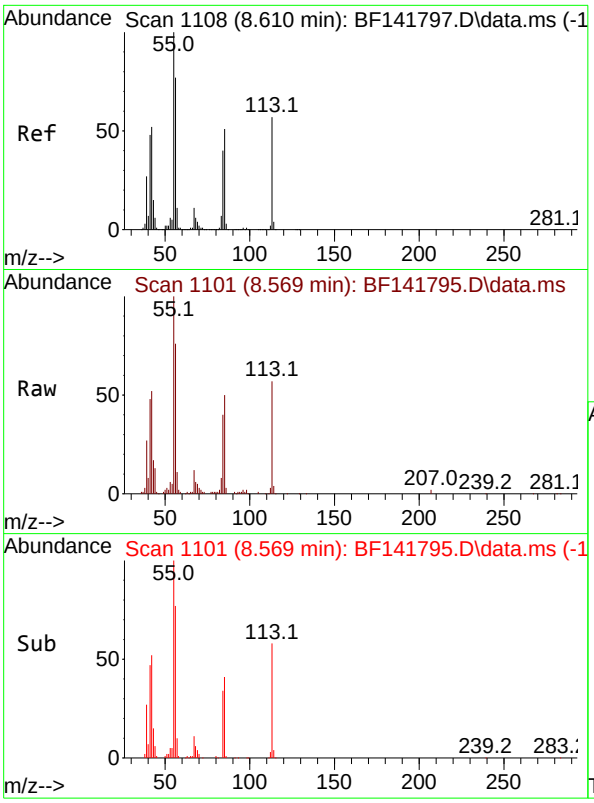


#34
Hexachlorobutadiene
Concen: 9.931 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:225 Resp: 113140

Ion	Ratio	Lower	Upper
225	100		
223	63.6	51.4	77.2
227	64.7	51.6	77.4

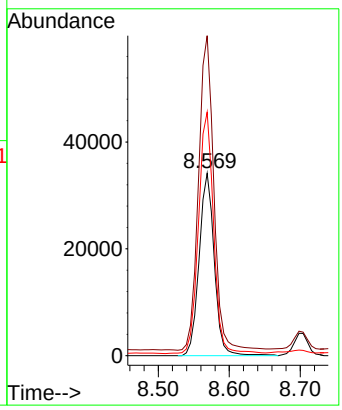




#35
Caprolactam
Concen: 9.855 ng
RT: 8.569 min Scan# 1
Delta R.T. -0.041 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:113 Resp: 5073

Ion	Ratio	Lower	Upper
113	100		
55	175.4	155.6	195.6
56	133.5	114.6	154.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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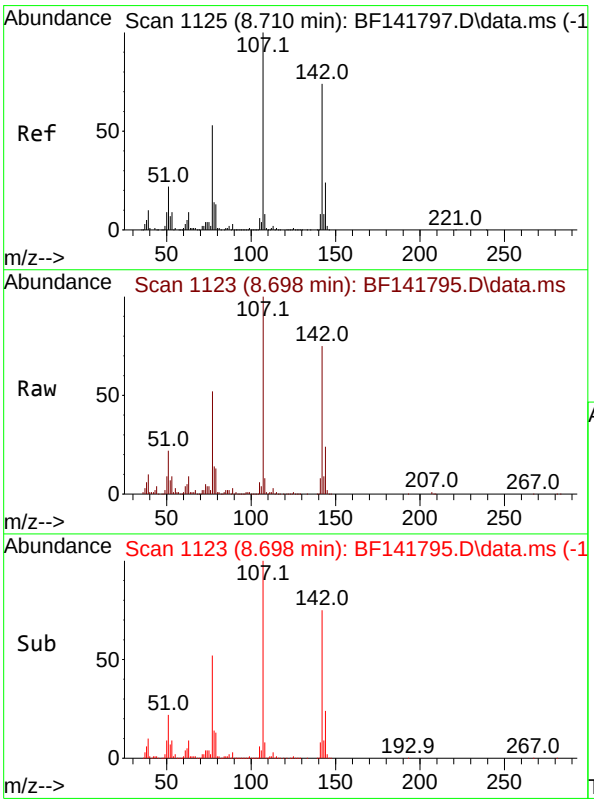
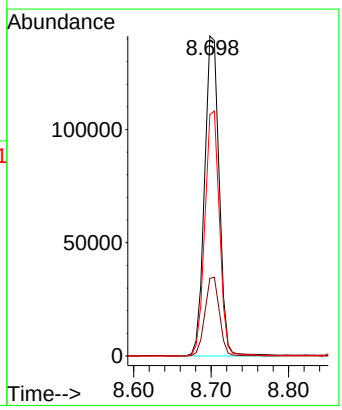
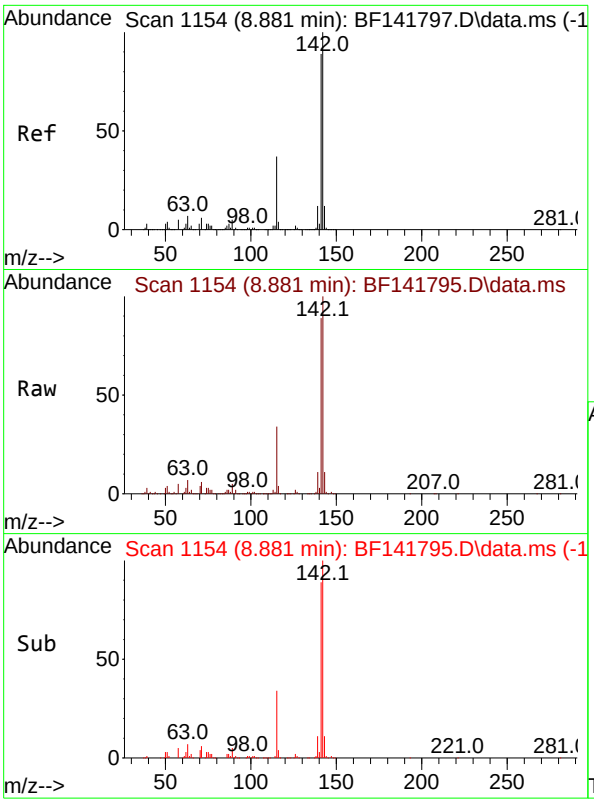


#36
4-Chloro-3-methylphenol
Concen: 9.987 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:107 Resp: 185621

Ion	Ratio	Lower	Upper
107	100		
144	24.2	19.4	29.0
142	75.4	59.4	89.0

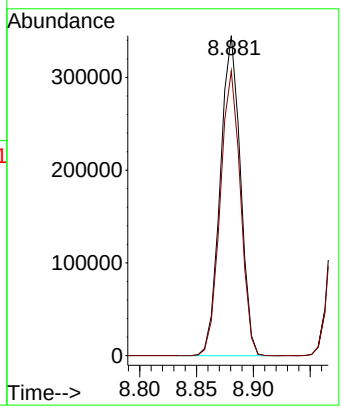




#37
2-Methylnaphthalene
Concen: 10.758 ng
RT: 8.881 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:142 Resp: 42572

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.1	106.7



Instrument :
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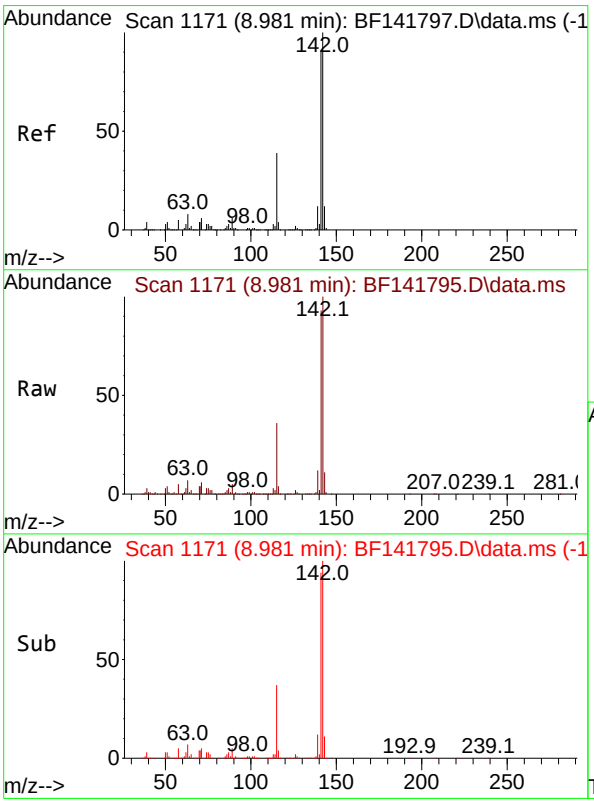
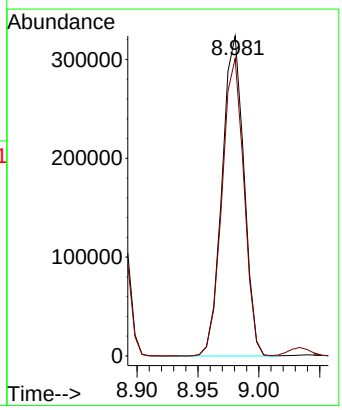
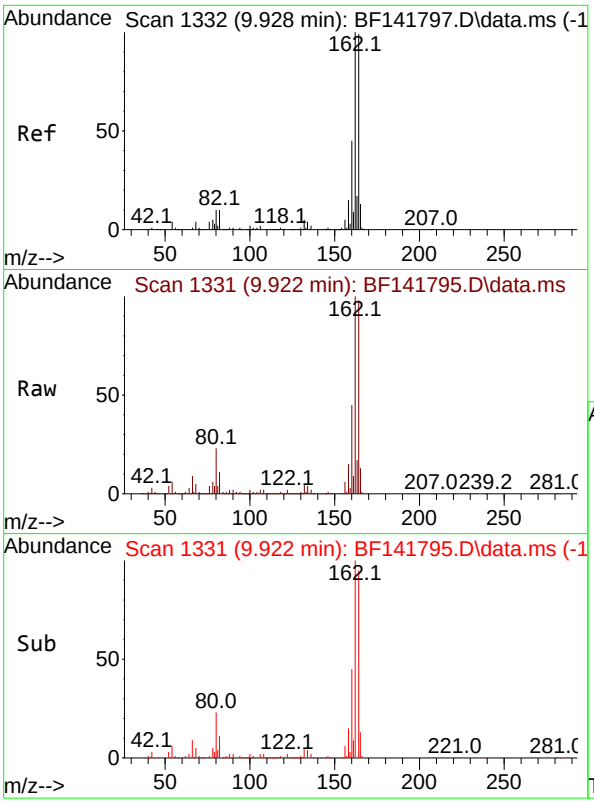


#38
1-Methylnaphthalene
Concen: 10.642 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:142 Resp: 404087

Ion	Ratio	Lower	Upper
142	100		
141	93.0	73.1	109.7

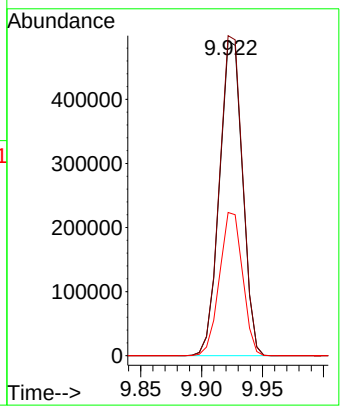




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:164 Resp: 64790

Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.6	120.8
160	45.5	36.3	54.5



Instrument :
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ClientSampleId :
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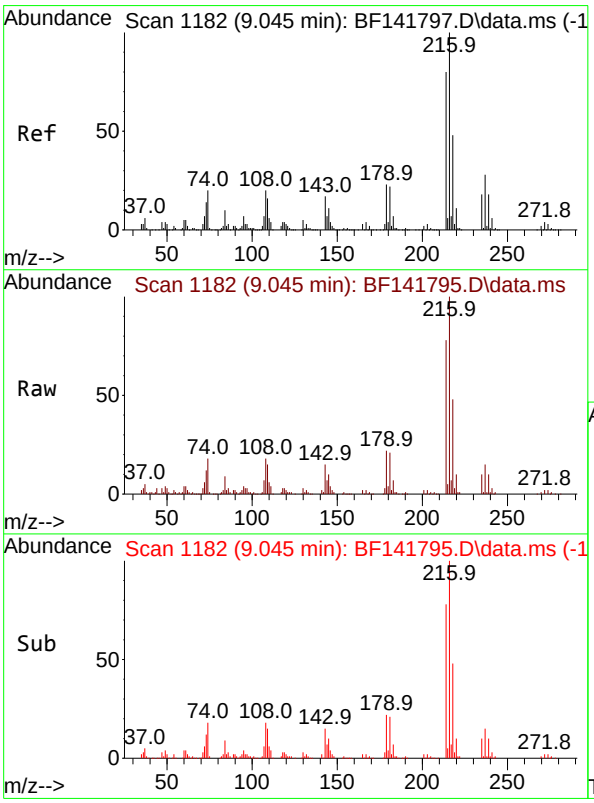
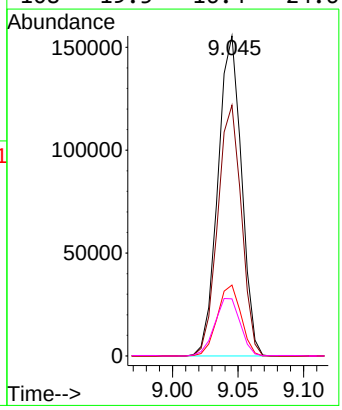
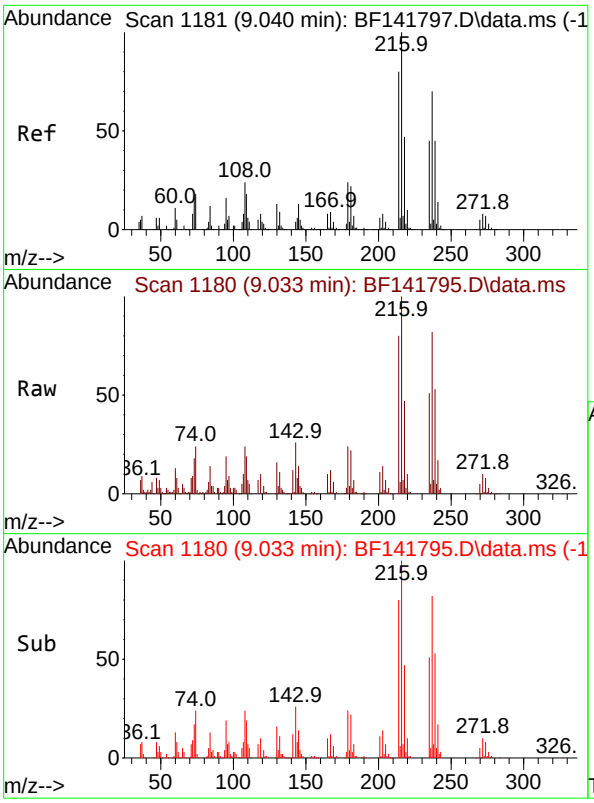


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.386 ng
RT: 9.045 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:216 Resp: 194342

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.5	95.3
179	22.3	18.1	27.1
108	19.5	16.4	24.6

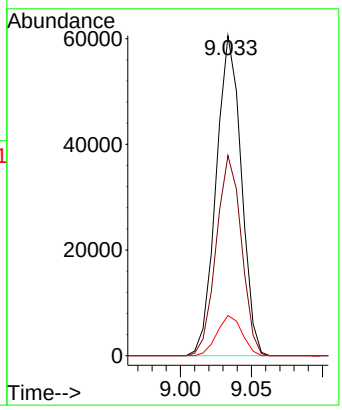




#41
Hexachlorocyclopentadiene
Concen: 9.533 ng
RT: 9.033 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:237 Resp: 7444

Ion	Ratio	Lower	Upper
237	100		
235	62.6	43.3	83.3
272	12.5	0.0	31.9



Instrument :
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ClientSampleId :
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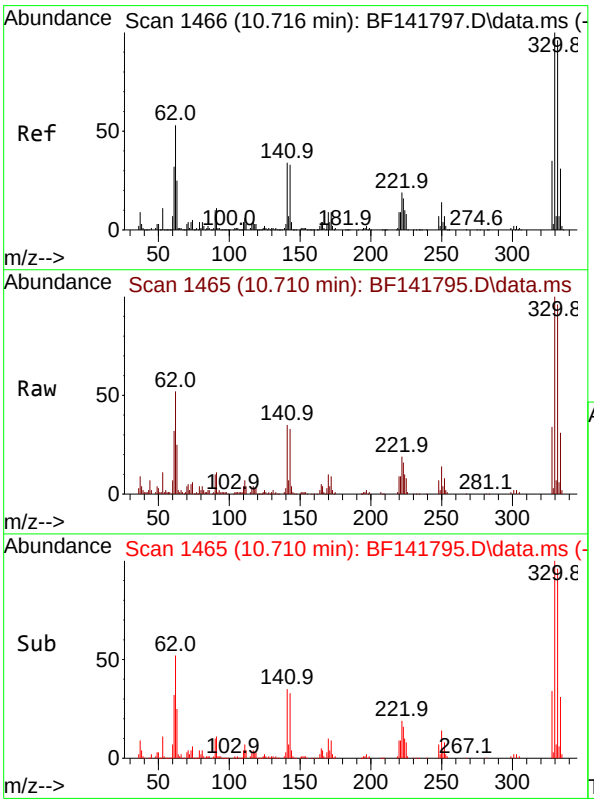
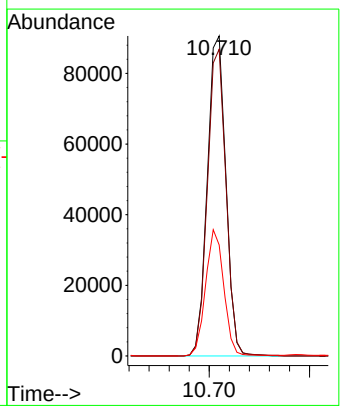
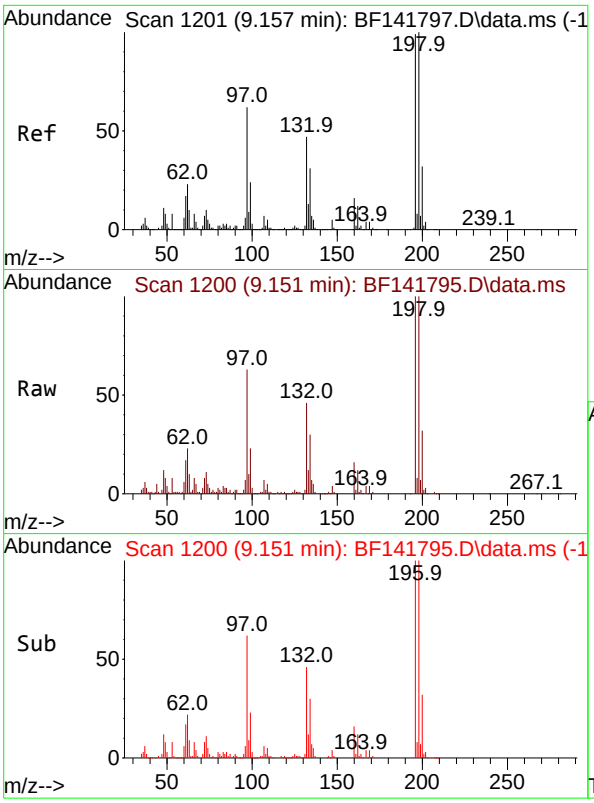


#42
2,4,6-Tribromophenol
Concen: 19.078 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:330 Resp: 116043

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	115.0
141	39.0	29.0	43.4





#43
2,4,6-Trichlorophenol
Concen: 9.864 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:196 Resp: 11923

Ion	Ratio	Lower	Upper
196	100		
198	100.4	80.4	120.6
200	32.0	25.7	38.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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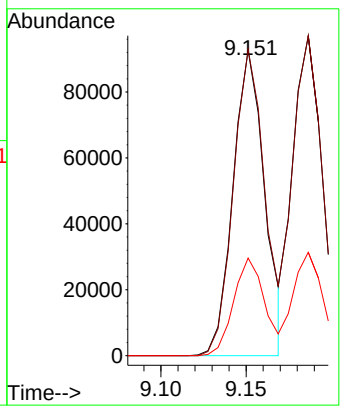
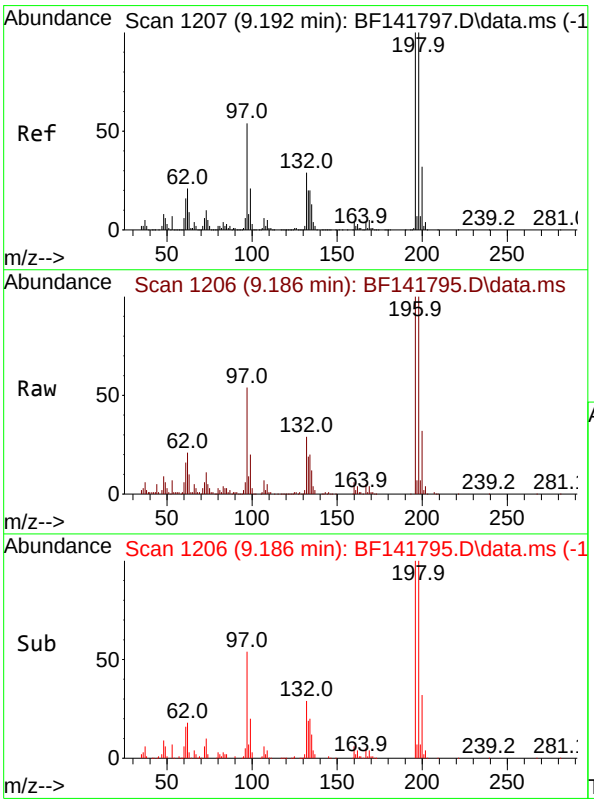
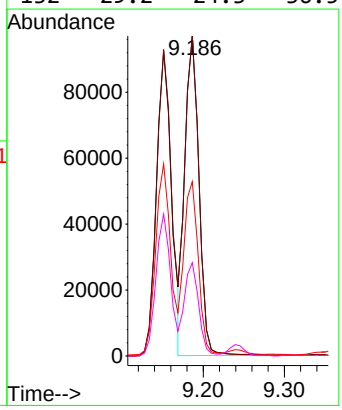


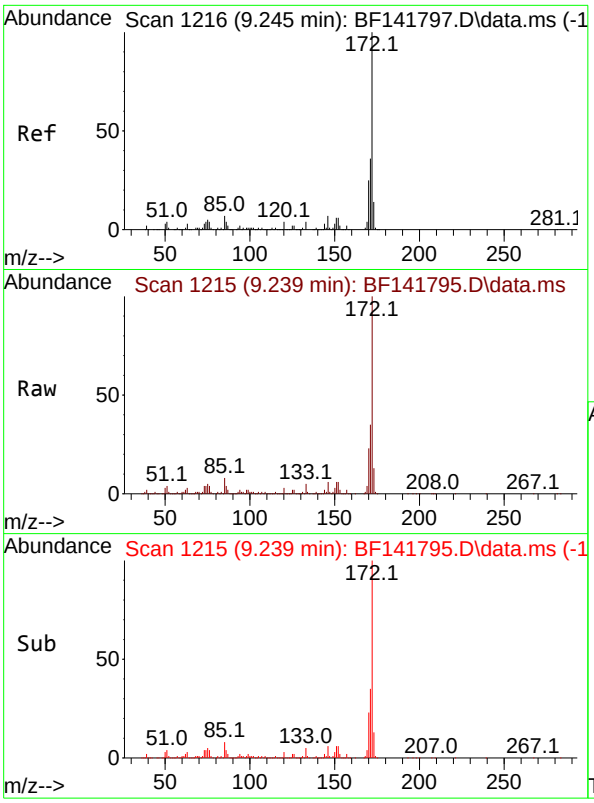


#44
2,4,5-Trichlorophenol
Concen: 9.860 ng
RT: 9.186 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:196 Resp: 118017

Ion	Ratio	Lower	Upper
196	100		
198	100.1	79.7	119.5
97	54.5	44.2	66.2
132	29.2	24.3	36.5

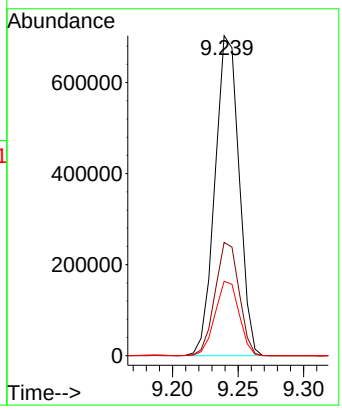




#45
2-Fluorobiphenyl
Concen: 22.244 ng
RT: 9.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:172 Resp: 89879

Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.2	43.8
170	23.3	19.7	29.5



Instrument :
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ClientSampleId :
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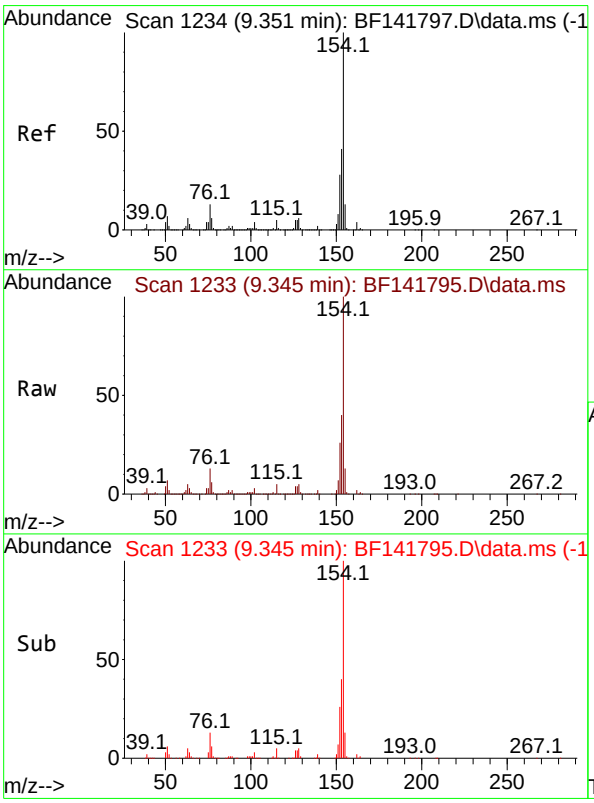
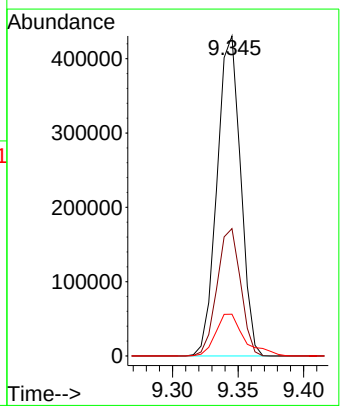
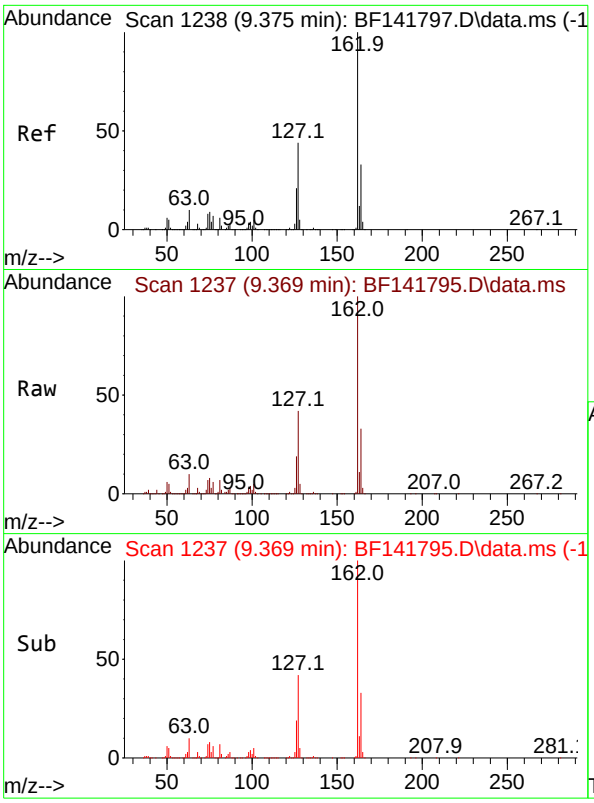


#46
1,1'-Biphenyl
Concen: 10.896 ng
RT: 9.345 min Scan# 1233
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:154 Resp: 537368

Ion	Ratio	Lower	Upper
154	100		
153	39.8	21.4	61.4
76	13.1	0.0	33.4

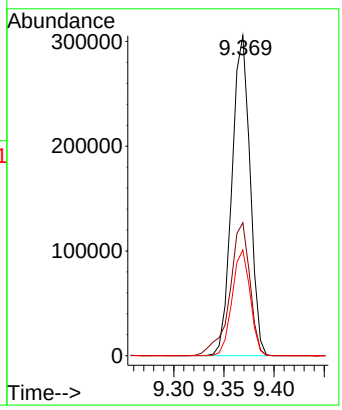




#47
2-Chloronaphthalene
Concen: 10.535 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:162 Resp: 38344

Ion	Ratio	Lower	Upper
162	100		
127	41.5	35.0	52.6
164	33.1	26.6	40.0



Instrument :
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ClientSampleId :
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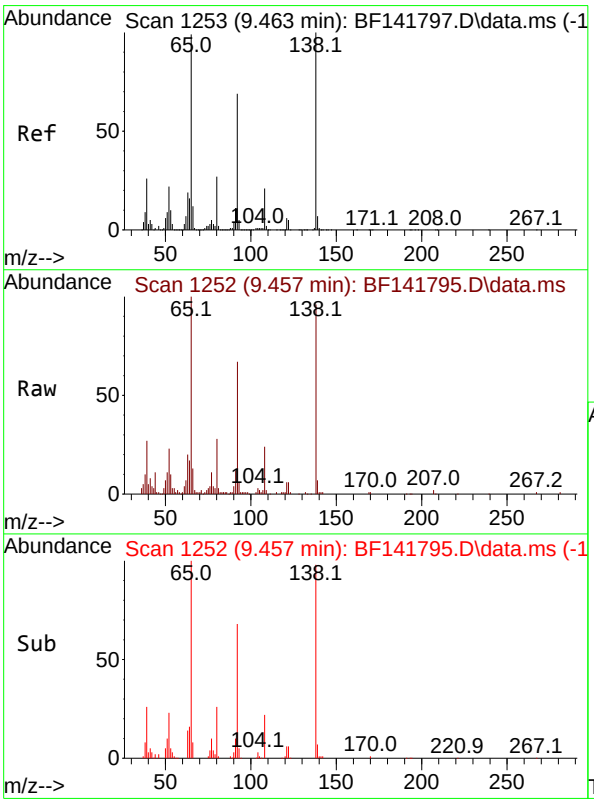
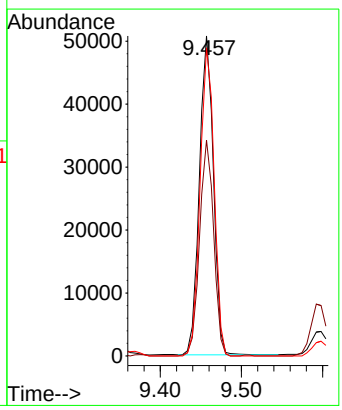
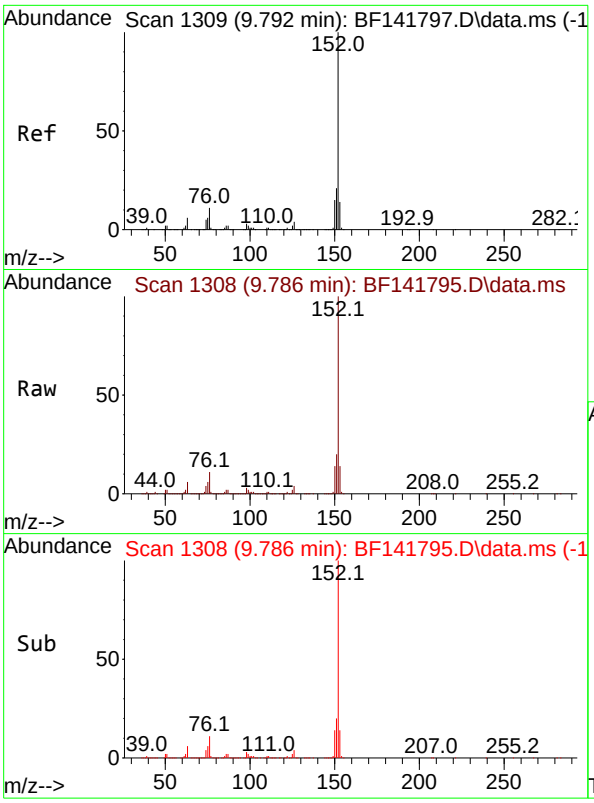


#48
2-Nitroaniline
Concen: 9.877 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 65 Resp: 60658

Ion	Ratio	Lower	Upper
65	100		
92	67.4	55.7	83.5
138	96.3	80.6	121.0

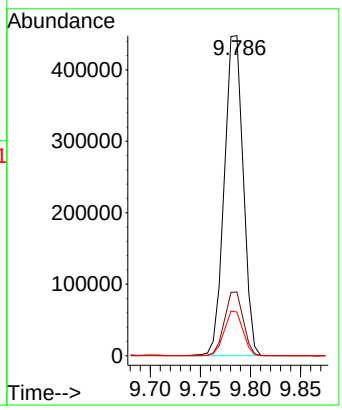




#49
Acenaphthylene
Concen: 10.739 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:152 Resp: 58606

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.6	24.8
153	13.7	11.2	16.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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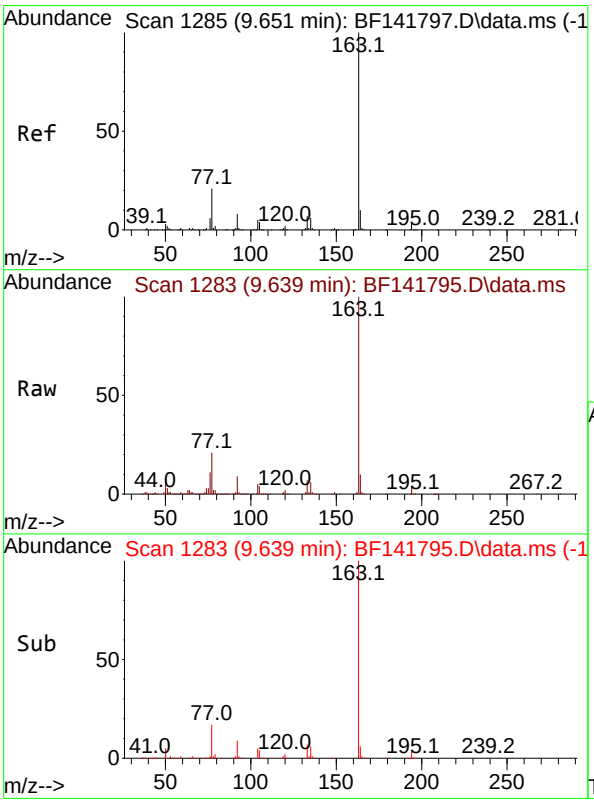
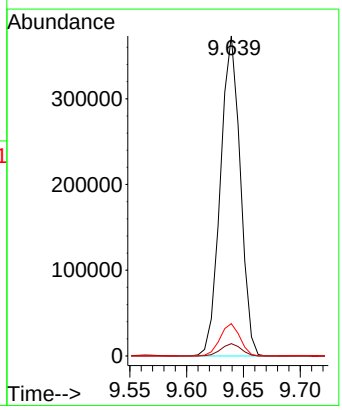
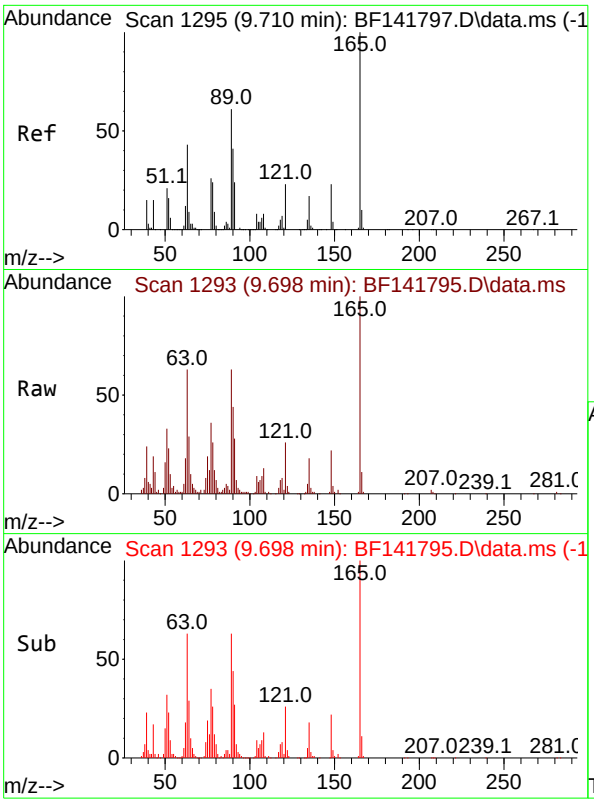


#50
Dimethylphthalate
Concen: 10.491 ng
RT: 9.639 min Scan# 1283
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:163 Resp: 455190

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.1	8.4	12.6





#51
2,6-Dinitrotoluene
Concen: 9.588 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:165 Resp: 5961

Ion	Ratio	Lower	Upper
165	100		
63	62.9	49.5	74.3
89	63.4	49.0	73.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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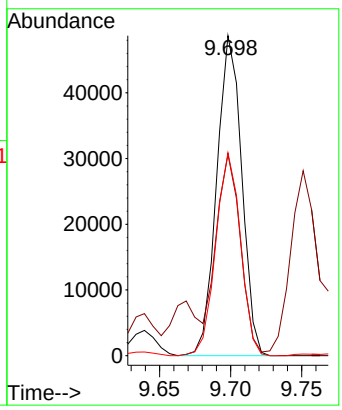
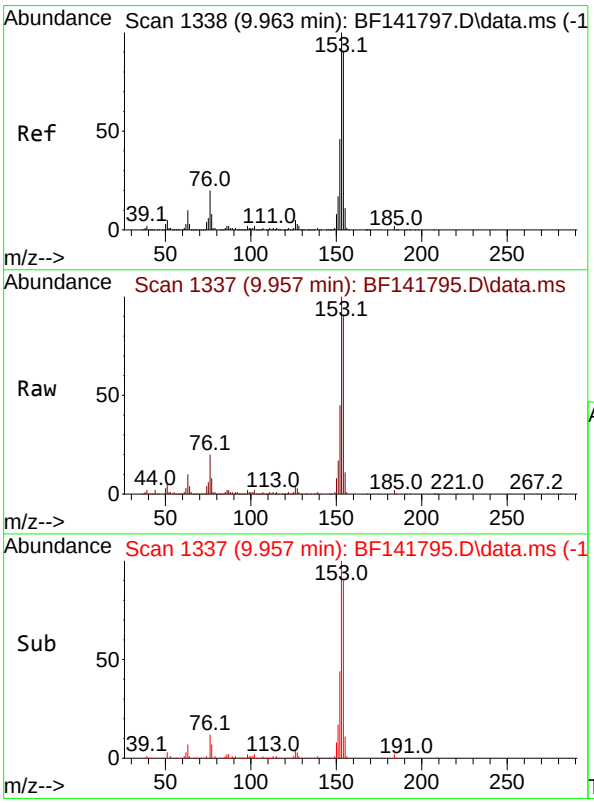
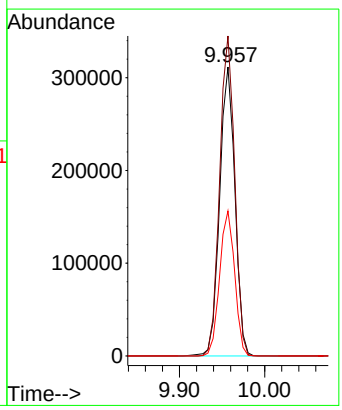


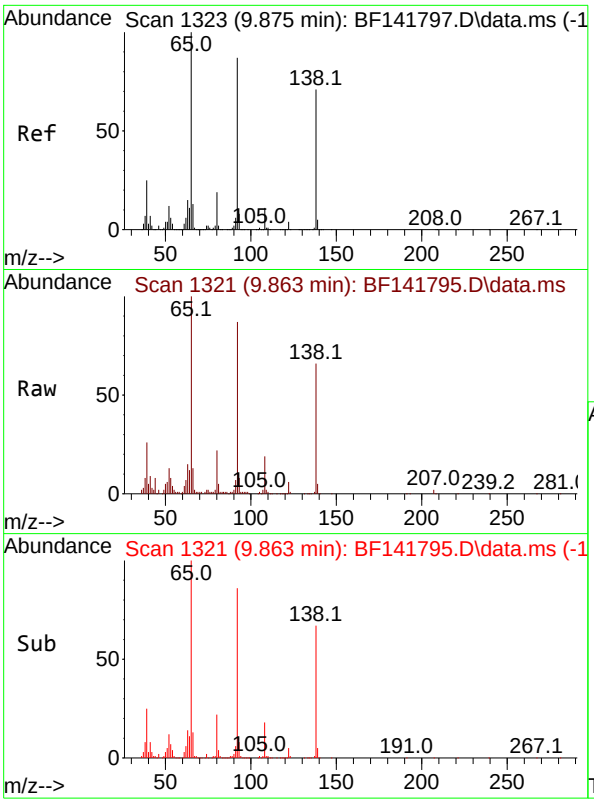


#52
Acenaphthene
Concen: 10.568 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:154 Resp: 389154

Ion	Ratio	Lower	Upper
154	100		
153	110.7	88.7	133.1
152	50.2	40.9	61.3





#53
3-Nitroaniline
Concen: 9.606 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:138 Resp: 6256

Ion	Ratio	Lower	Upper
138	100		
108	27.8	12.7	19.1#
92	130.3	97.9	146.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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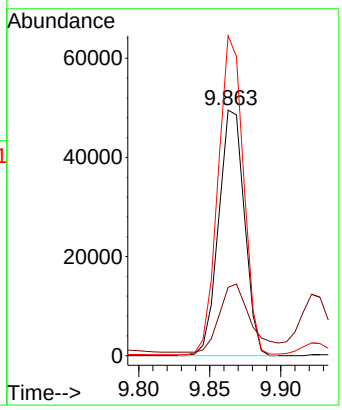
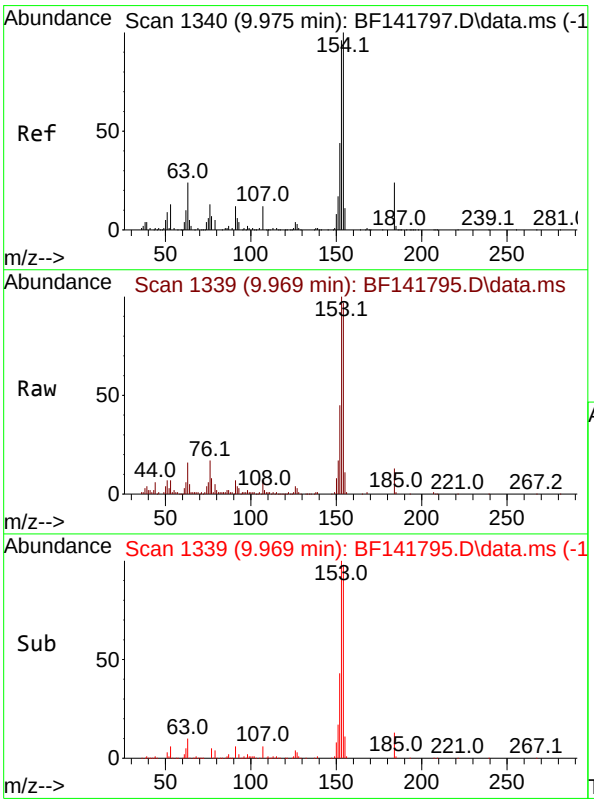
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

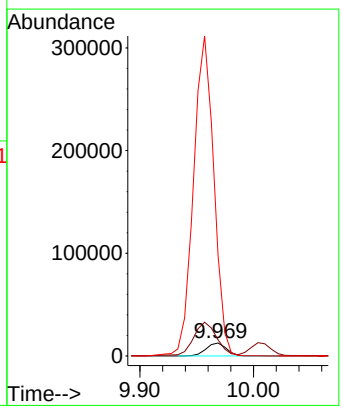


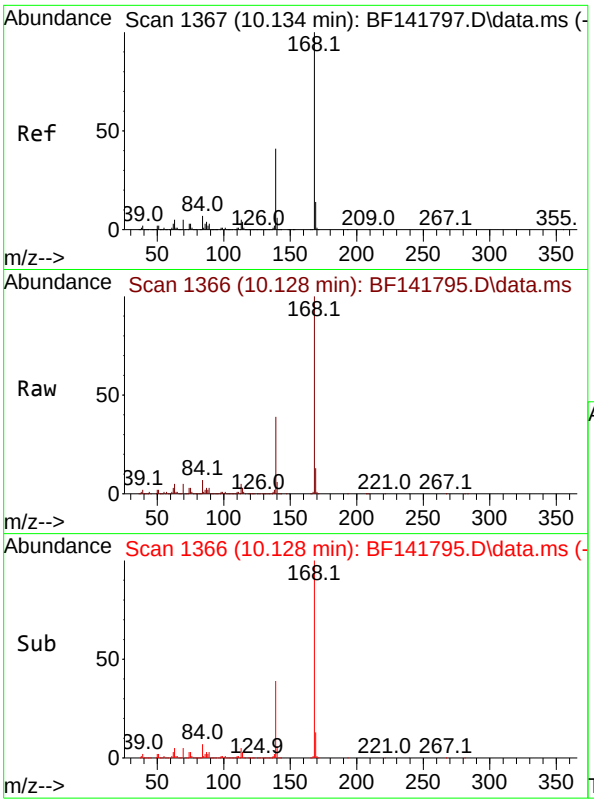


#54
2,4-Dinitrophenol
Concen: 10.881 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:184 Resp: 15803

Ion	Ratio	Lower	Upper
184	100		
63	124.5	79.0	118.6#
154	775.6	335.8	503.8#

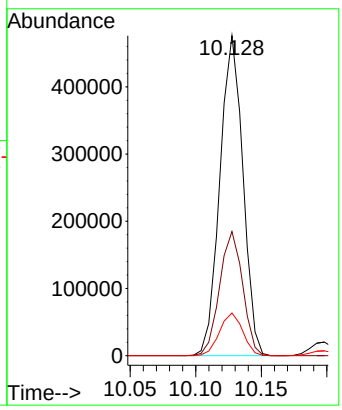




#55
Dibenzofuran
Concen: 10.843 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:168 Resp: 58112

Ion	Ratio	Lower	Upper
168	100		
139	38.8	32.9	49.3
169	13.4	11.1	16.7



Instrument :
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ClientSampleId :
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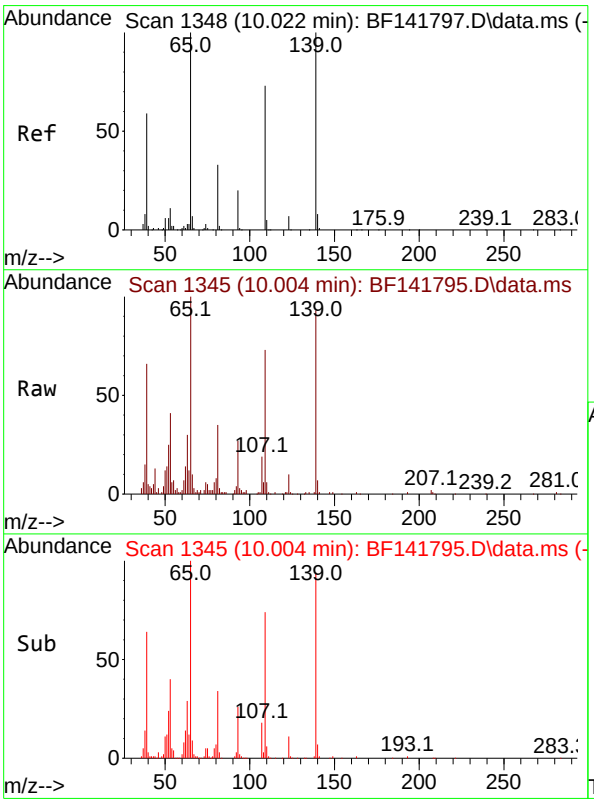
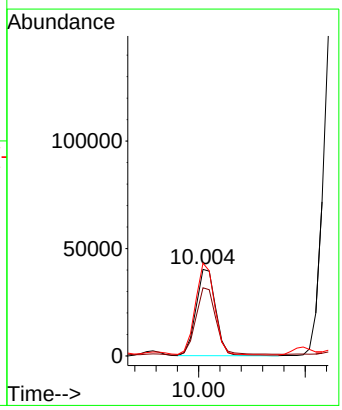
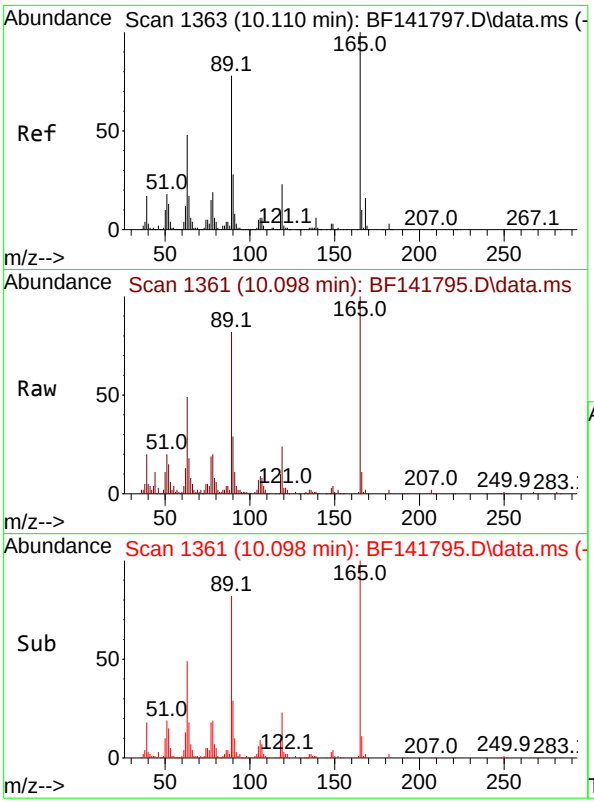


#56
4-Nitrophenol
Concen: 8.022 ng
RT: 10.004 min Scan# 1345
Delta R.T. -0.018 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:139 Resp: 51406

Ion	Ratio	Lower	Upper
139	100		
109	78.6	53.4	93.4
65	107.2	82.1	122.1

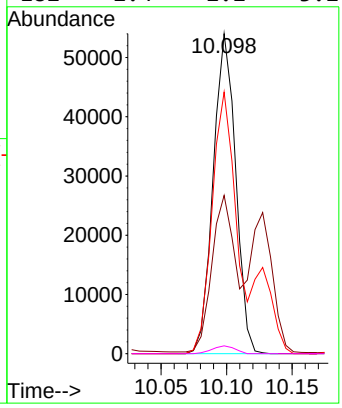




#57
2,4-Dinitrotoluene
Concen: 9.401 ng
RT: 10.098 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:165 Resp: 6429

Ion	Ratio	Lower	Upper
165	100		
63	49.5	38.8	58.2
89	81.7	62.6	94.0
182	2.4	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
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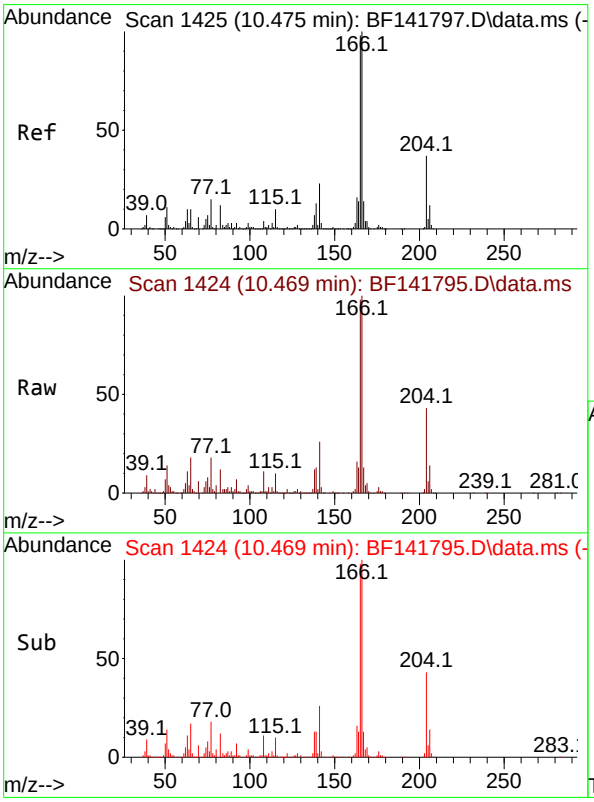
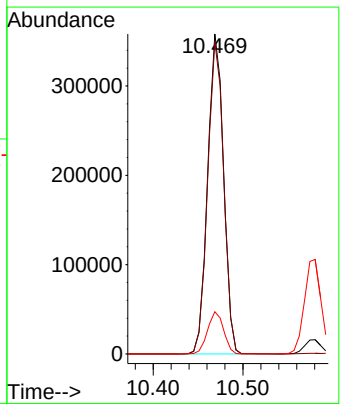
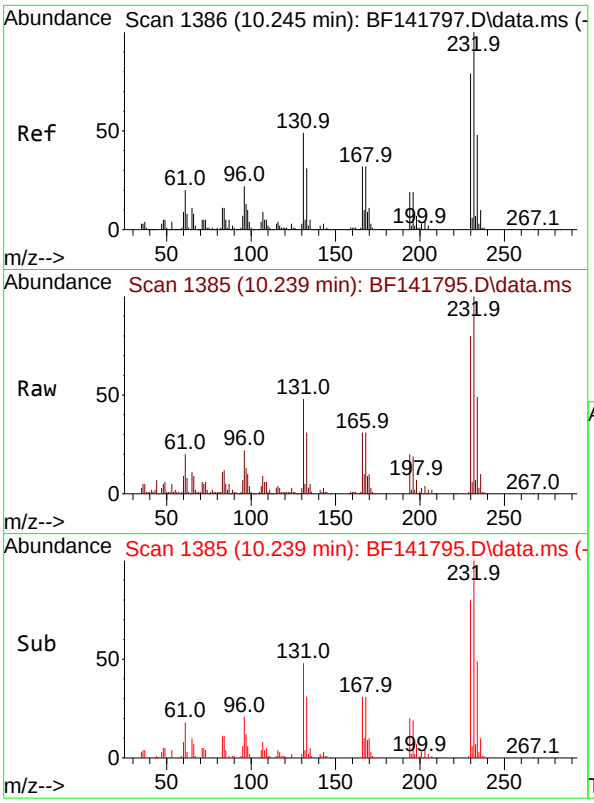


#58
Fluorene
Concen: 11.027 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:166 Resp: 442697

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.6	117.8
167	13.2	11.0	16.4

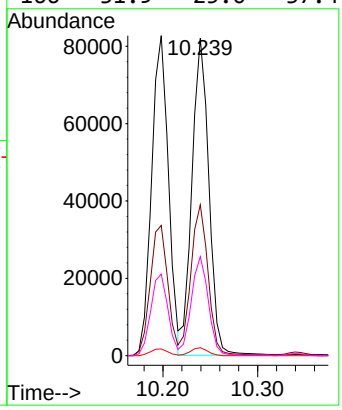




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.772 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:232 Resp: 10172

Ion	Ratio	Lower	Upper
232	100		
131	47.7	37.8	56.8
130	2.6	2.0	3.0
166	31.9	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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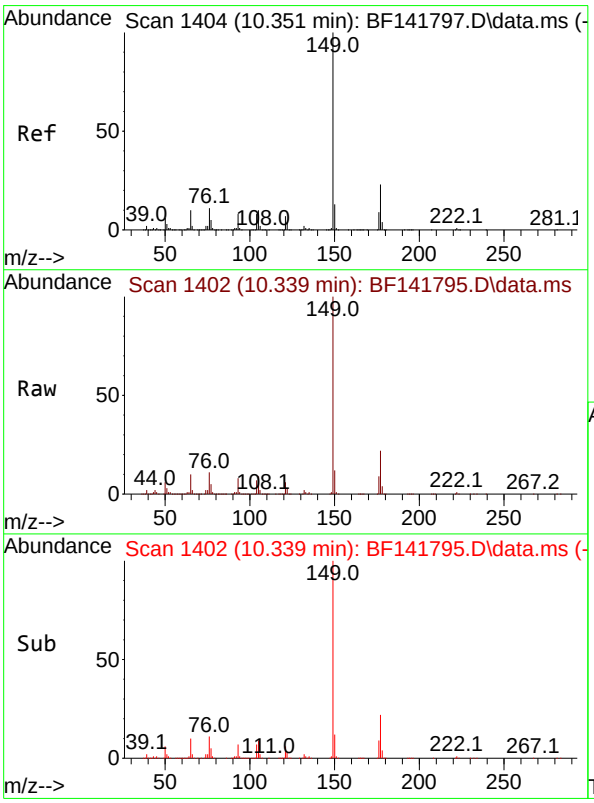
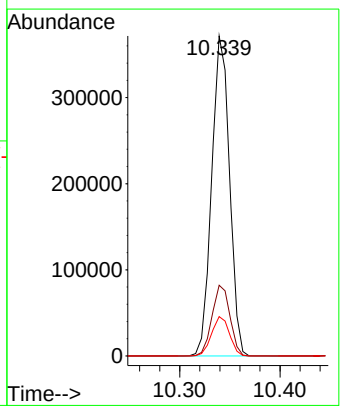
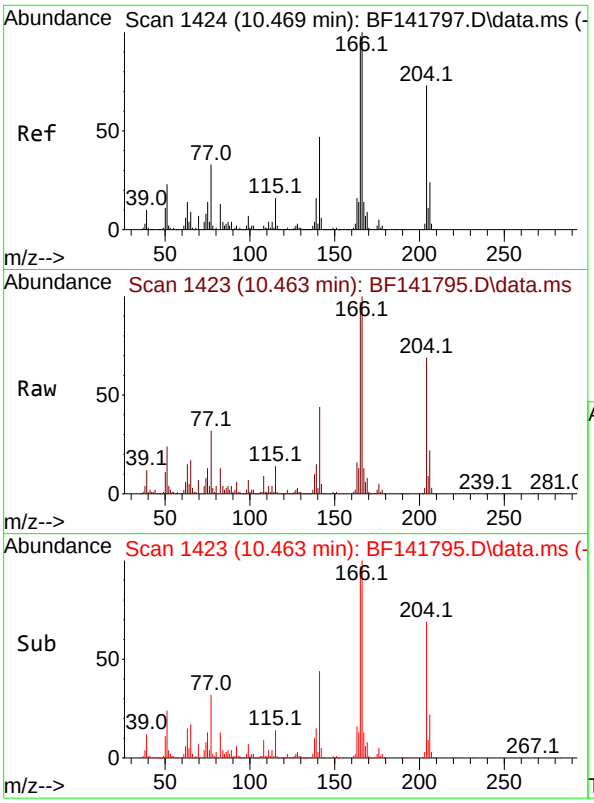


#60
Diethylphthalate
Concen: 10.520 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:149 Resp: 457600

Ion	Ratio	Lower	Upper
149	100		
177	22.1	18.3	27.5
150	12.3	10.3	15.5





#61
4-Chlorophenyl-phenylether
Concen: 10.703 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 21528

Ion	Ratio	Lower	Upper
204	100		
206	31.5	26.2	39.4
141	63.7	51.7	77.5

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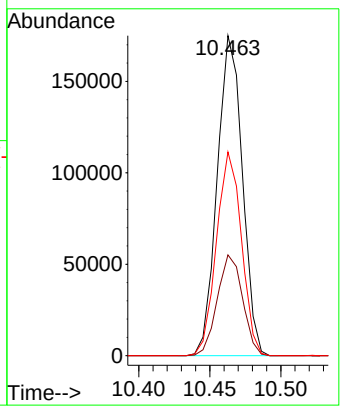
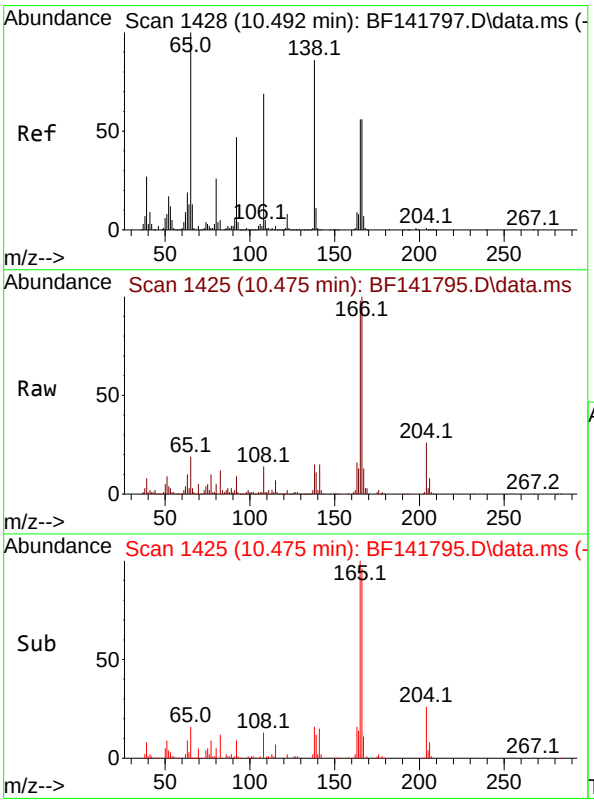
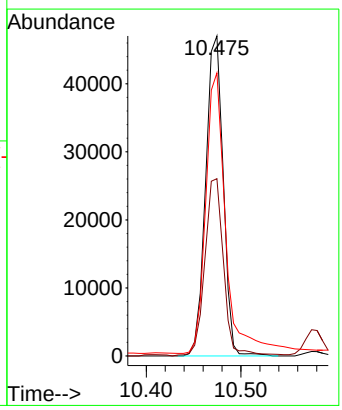


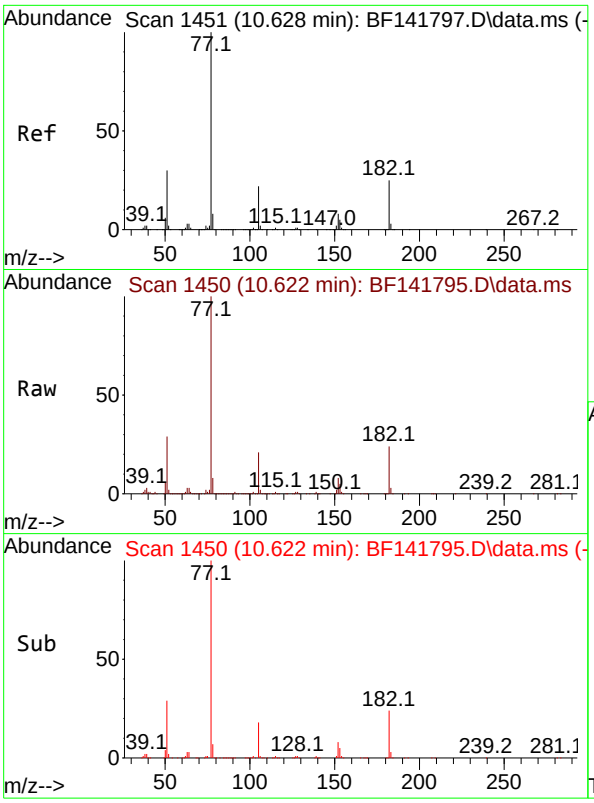


#62
4-Nitroaniline
Concen: 8.172 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.018 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:138 Resp: 60552

Ion	Ratio	Lower	Upper
138	100		
92	55.4	34.9	74.9
108	88.5	59.6	99.6

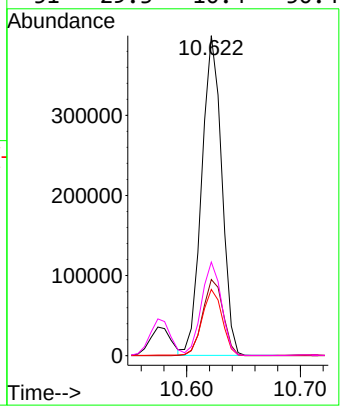




#63
Azobenzene
Concen: 10.631 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 77 Resp: 48687

Ion	Ratio	Lower	Upper
77	100		
182	23.8	4.2	44.2
105	20.7	1.5	41.5
51	29.3	10.4	50.4



Instrument :
BNA_F
ClientSampleId :
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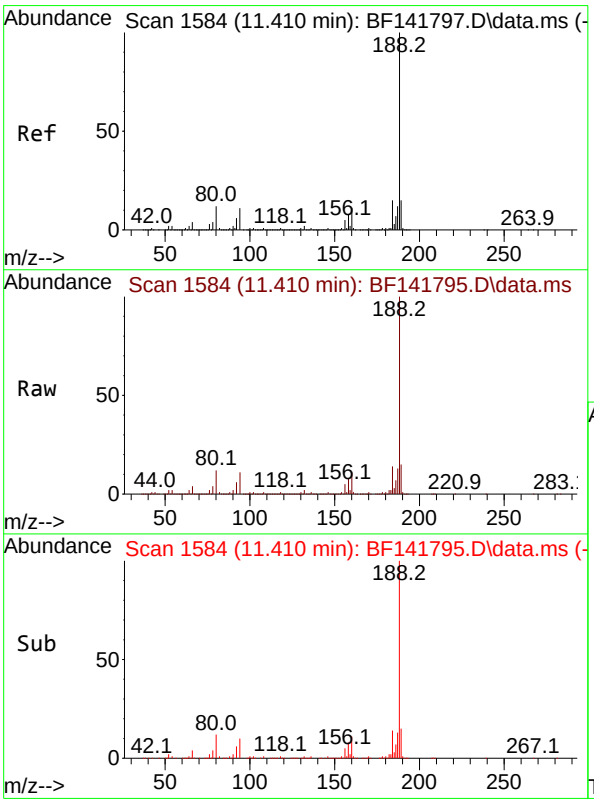
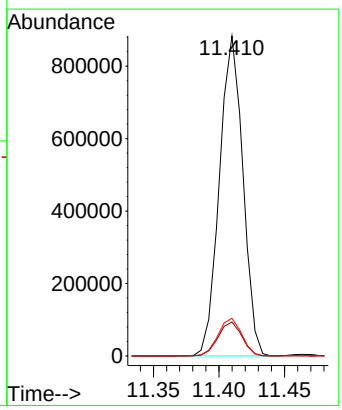
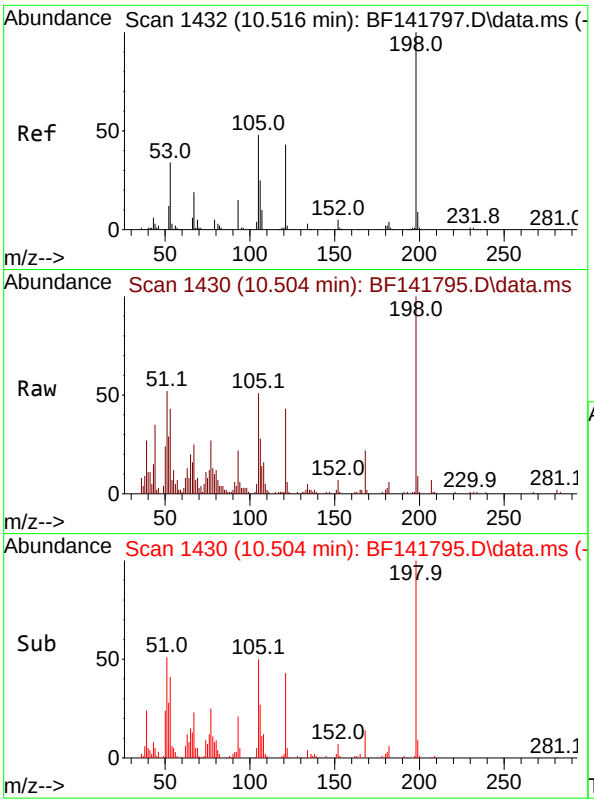


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:188 Resp: 1098842

Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.9	13.3
80	11.7	9.7	14.5

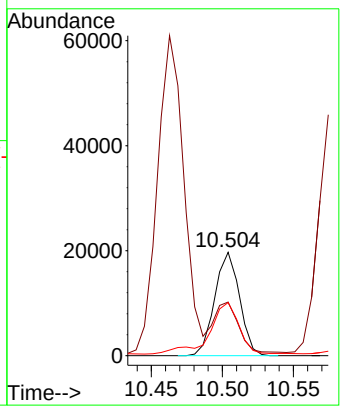




#65
4,6-Dinitro-2-methylphenol
Concen: 11.957 ng
RT: 10.504 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:198 Resp: 2386

Ion	Ratio	Lower	Upper
198	100		
51	51.8	32.1	72.1
105	51.4	28.5	68.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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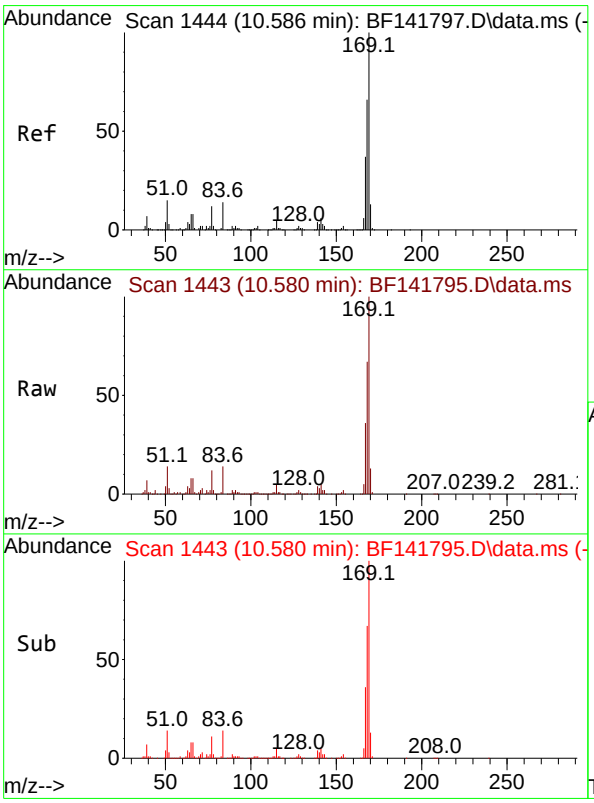
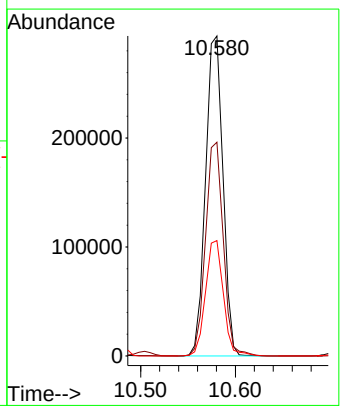
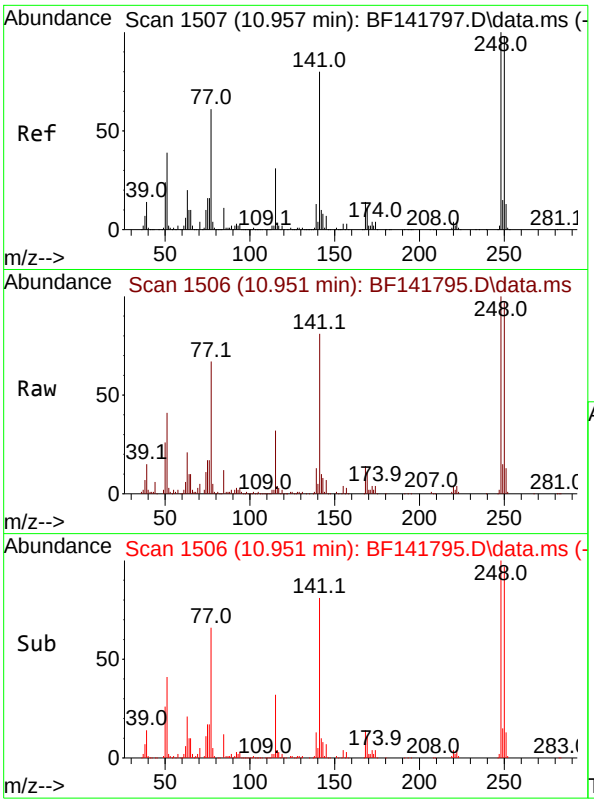


#66
n-Nitrosodiphenylamine
Concen: 10.369 ng
RT: 10.580 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:169 Resp: 374119

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.0	79.6
167	36.1	29.3	43.9





#67
4-Bromophenyl-phenylether
Concen: 10.165 ng
RT: 10.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 13046

Ion	Ratio	Lower	Upper
248	100		
250	96.6	78.1	117.1
141	81.0	64.3	96.5

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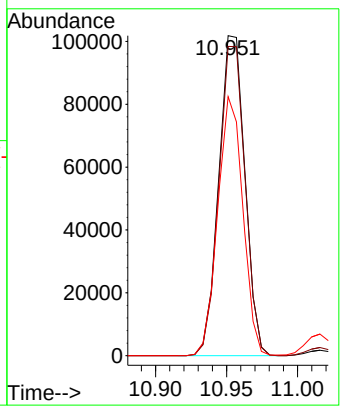
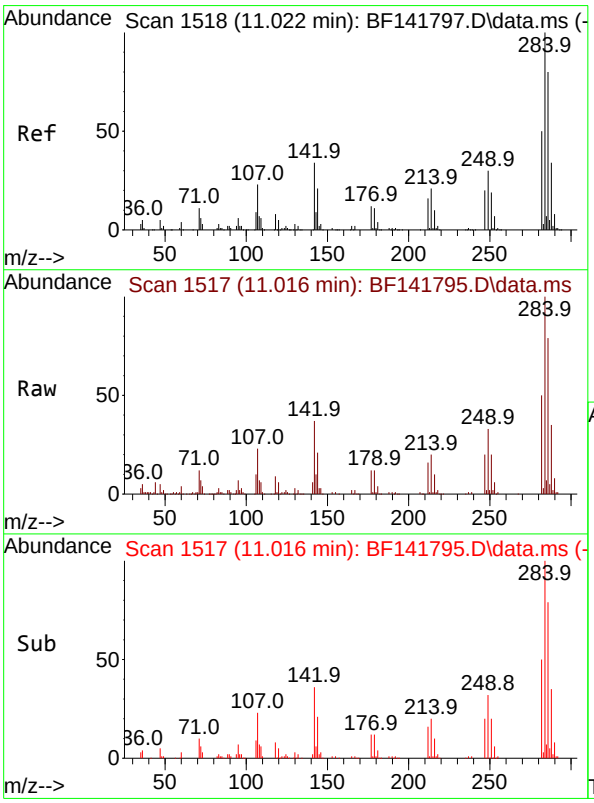
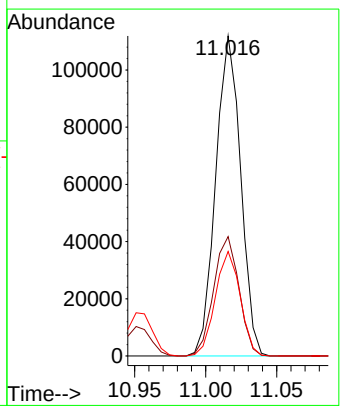


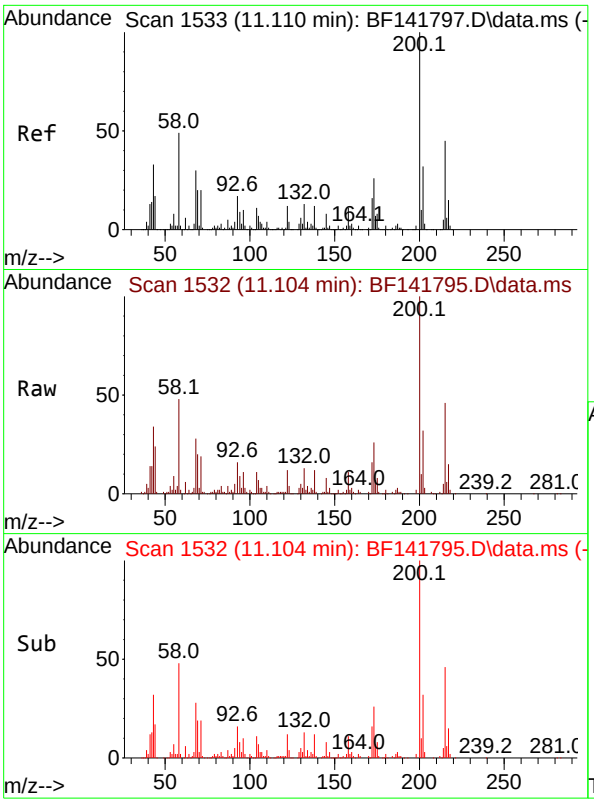


#68
Hexachlorobenzene
Concen: 10.081 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:284 Resp: 136626

Ion	Ratio	Lower	Upper
284	100		
142	37.3	28.2	42.2
249	32.7	25.5	38.3

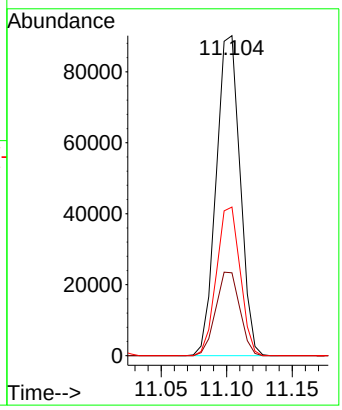




#69
Atrazine
Concen: 11.517 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:200 Resp: 11427

Ion	Ratio	Lower	Upper
200	100		
173	25.9	5.6	45.6
215	46.5	25.3	65.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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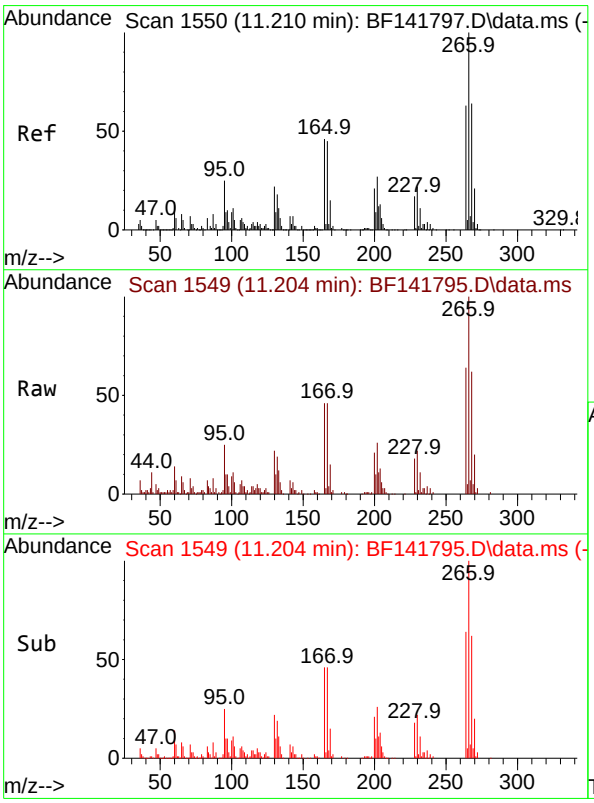
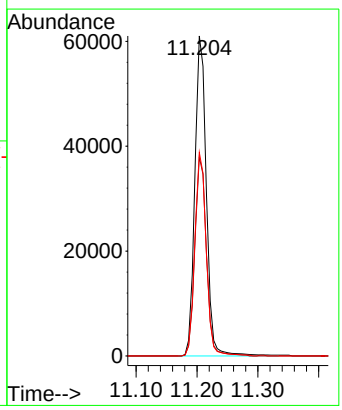
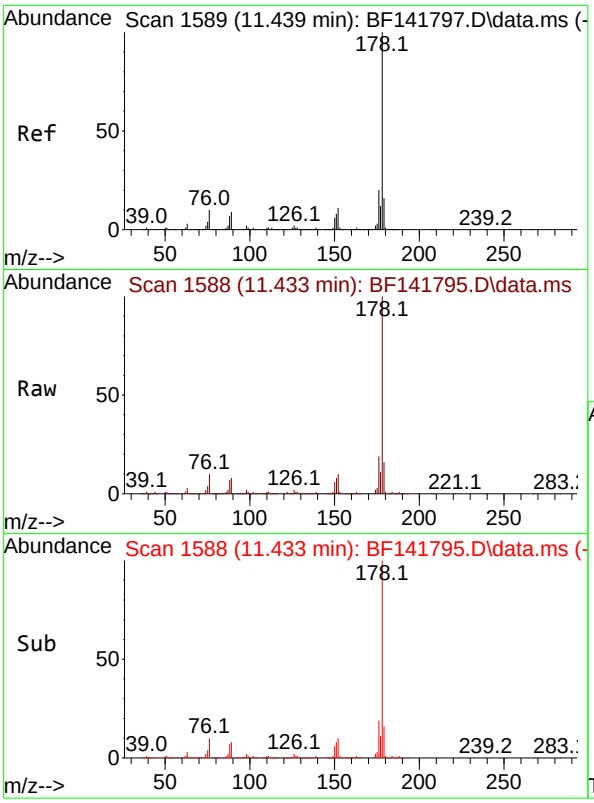


#70
Pentachlorophenol
Concen: 9.334 ng
RT: 11.204 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:266 Resp: 80231

Ion	Ratio	Lower	Upper
266	100		
268	62.2	50.9	76.3
264	63.6	50.2	75.4

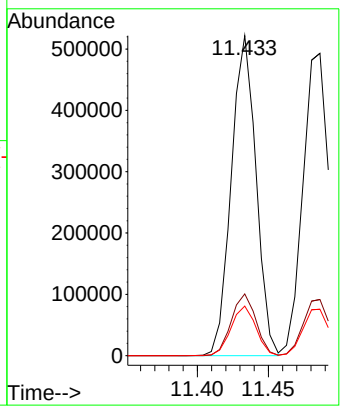




#71
Phenanthrene
Concen: 10.764 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:178 Resp: 63269

Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.0	24.0
179	15.5	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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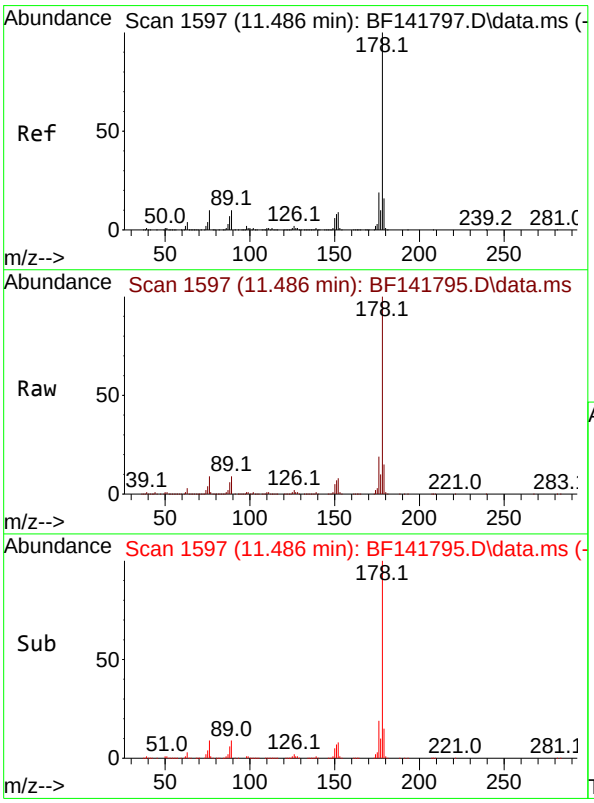
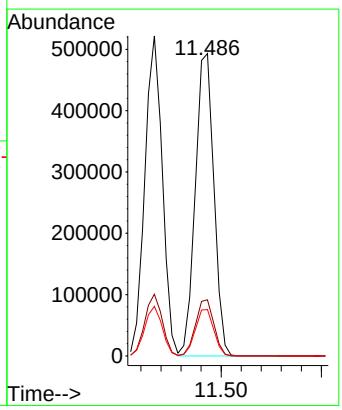
Supervised By :mohammad ahmed 02/28/2025

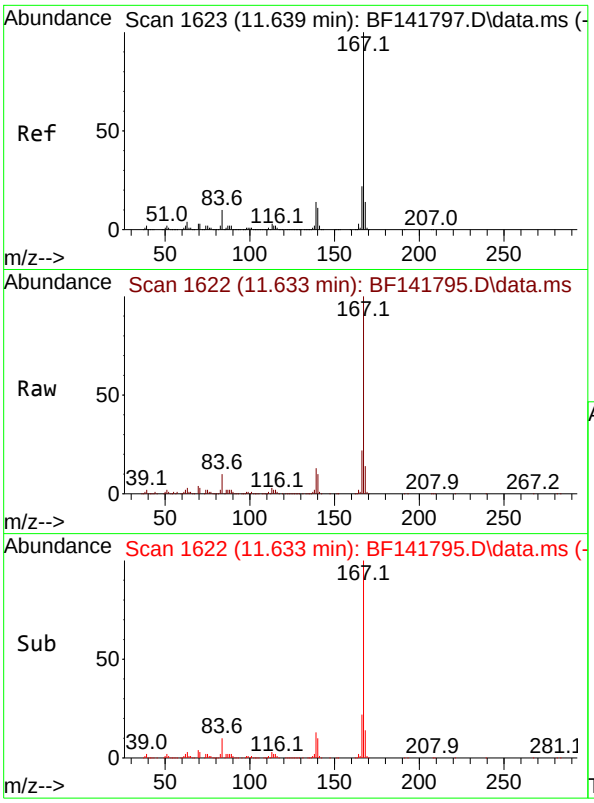


#72
Anthracene
Concen: 10.785 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:178 Resp: 635314

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.0
179	15.4	12.8	19.2

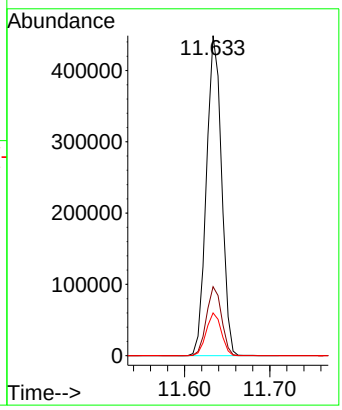




#73
Carbazole
Concen: 10.667 ng
RT: 11.633 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:167 Resp: 55490

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.5	26.3
139	13.3	11.3	16.9



Instrument :
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ClientSampleId :
SSTDICC010

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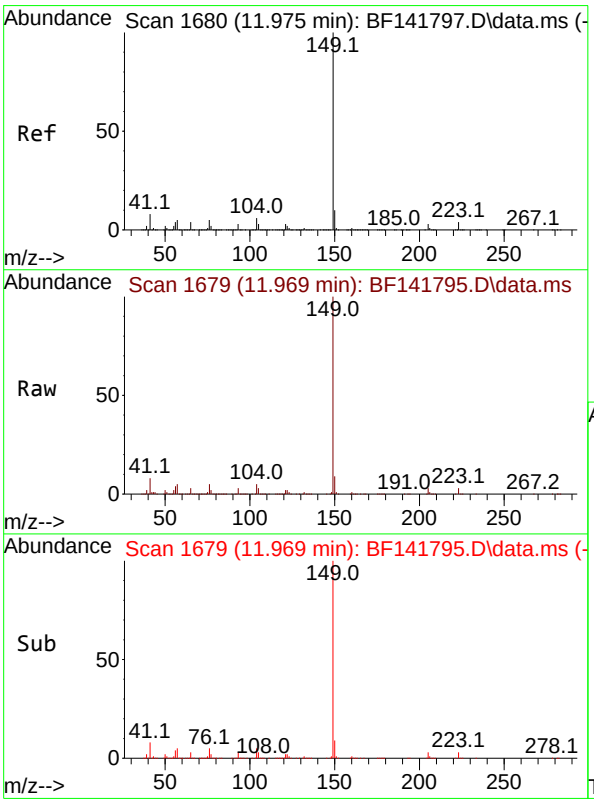
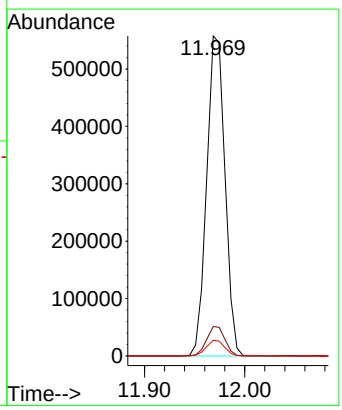
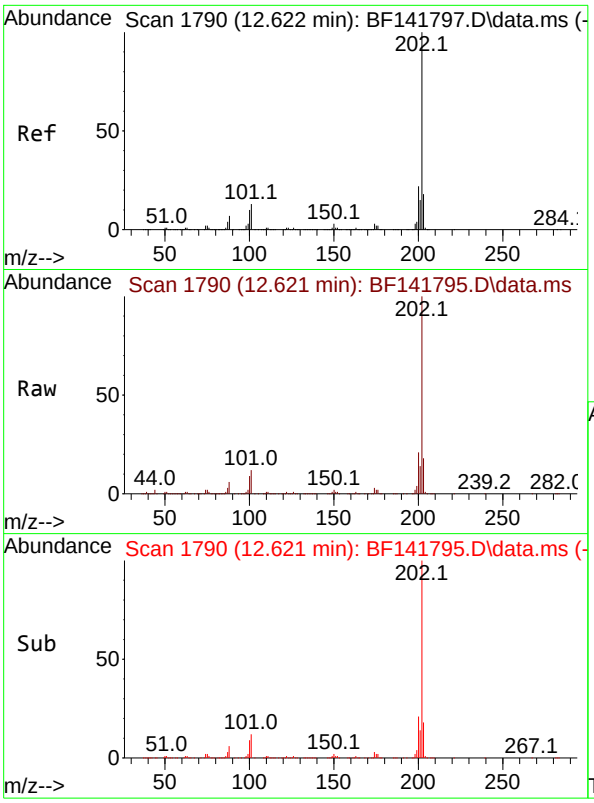


#74
Di-n-butylphthalate
Concen: 10.756 ng
RT: 11.969 min Scan# 1679
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:149 Resp: 709254

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.7	11.5
104	4.9	4.4	6.6

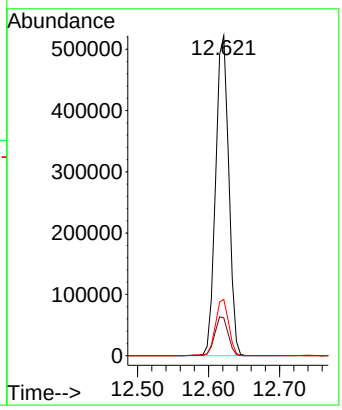




#75
Fluoranthene
Concen: 11.098 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:202 Resp: 66837

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	32.8
203	17.6	0.0	38.0



Instrument :
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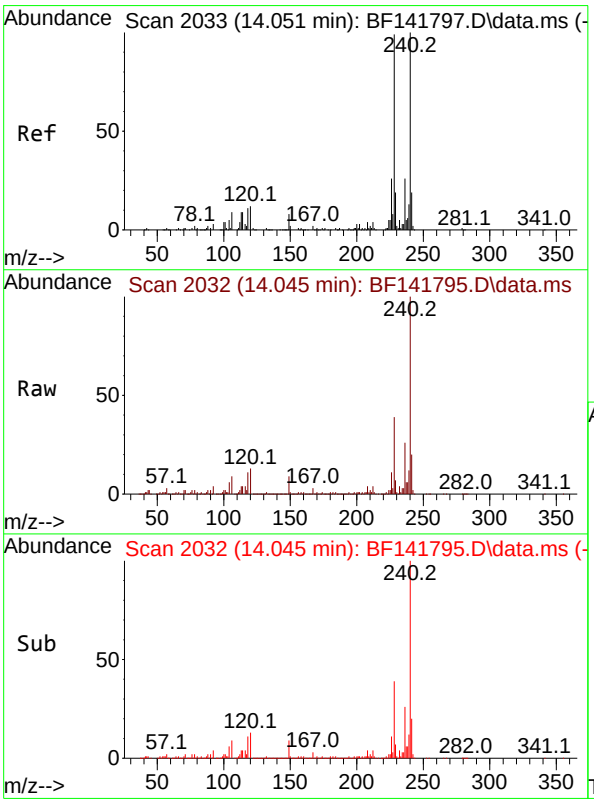
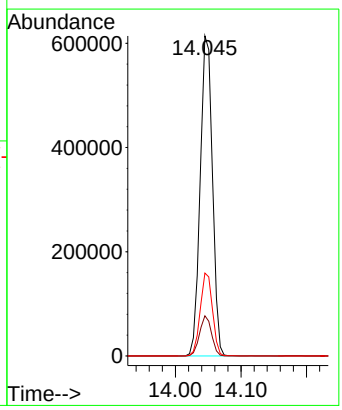
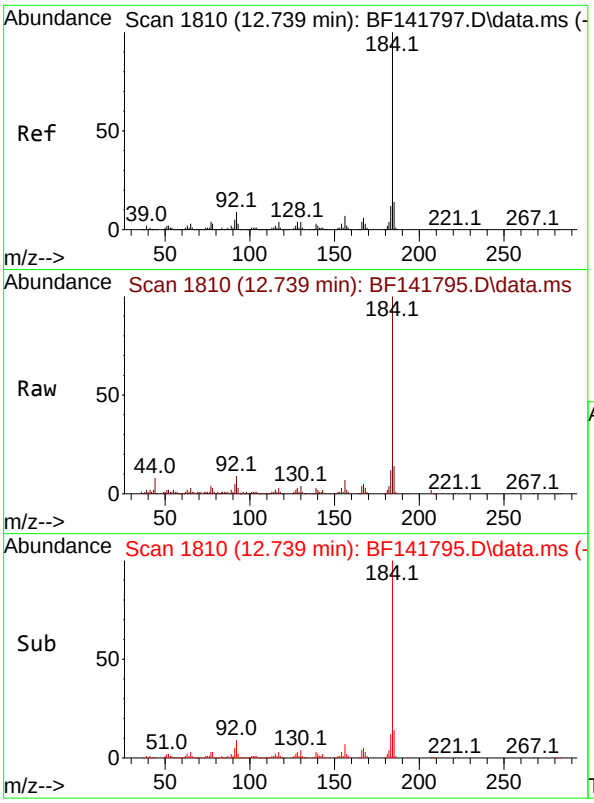


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:240 Resp: 800194

Ion	Ratio	Lower	Upper
240	100		
120	12.6	9.7	14.5
236	25.9	21.0	31.4

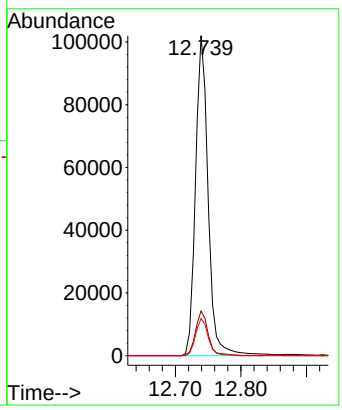




#77
Benzidine
Concen: 13.588 ng
RT: 12.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:184 Resp: 13685

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.6	17.4
183	11.6	9.4	14.0



Instrument :
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ClientSampleId :
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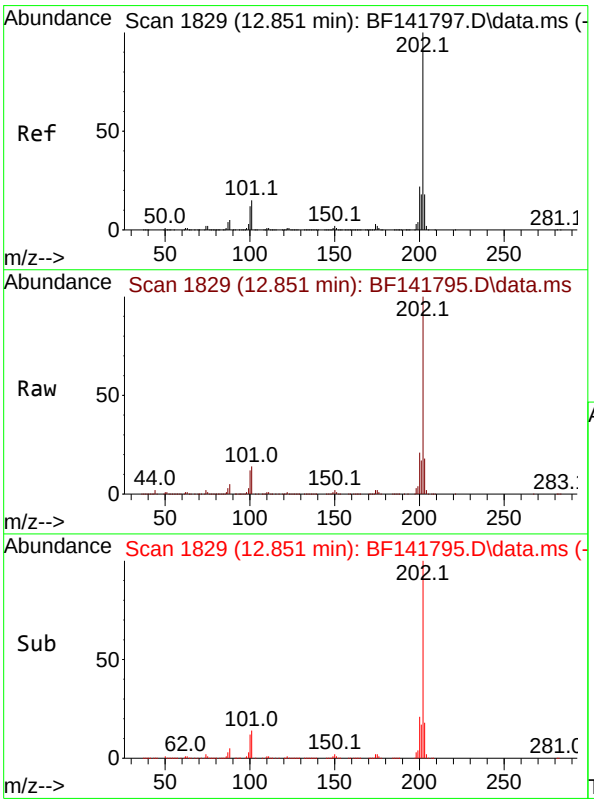
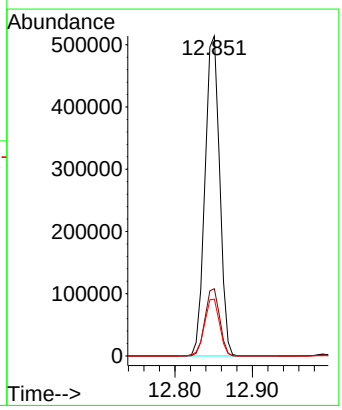
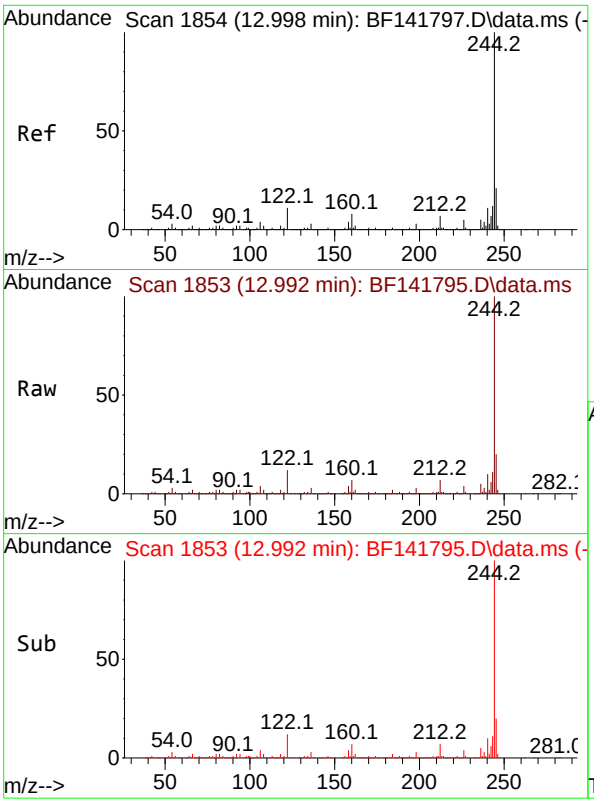


#78
Pyrene
Concen: 9.740 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:202 Resp: 674877

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.0
203	17.7	14.6	22.0

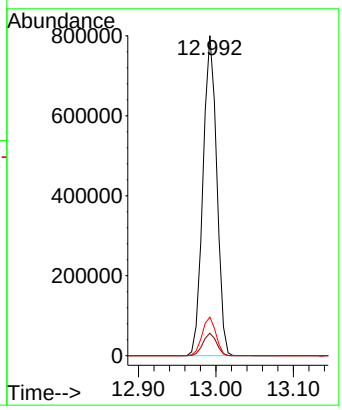




#79
Terphenyl-d14
Concen: 19.952 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:244 Resp: 98678

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	12.1	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
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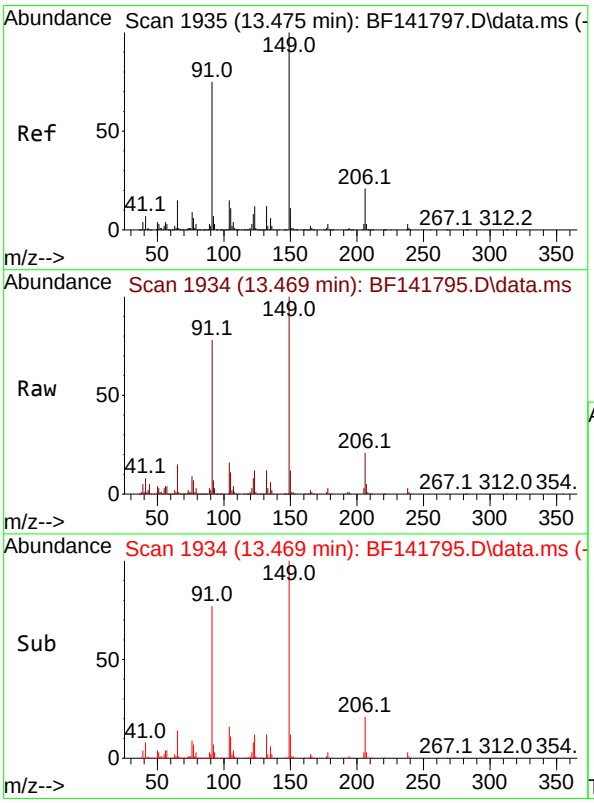
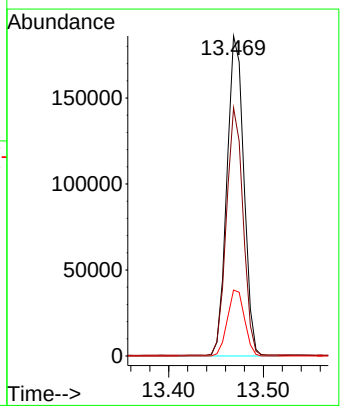
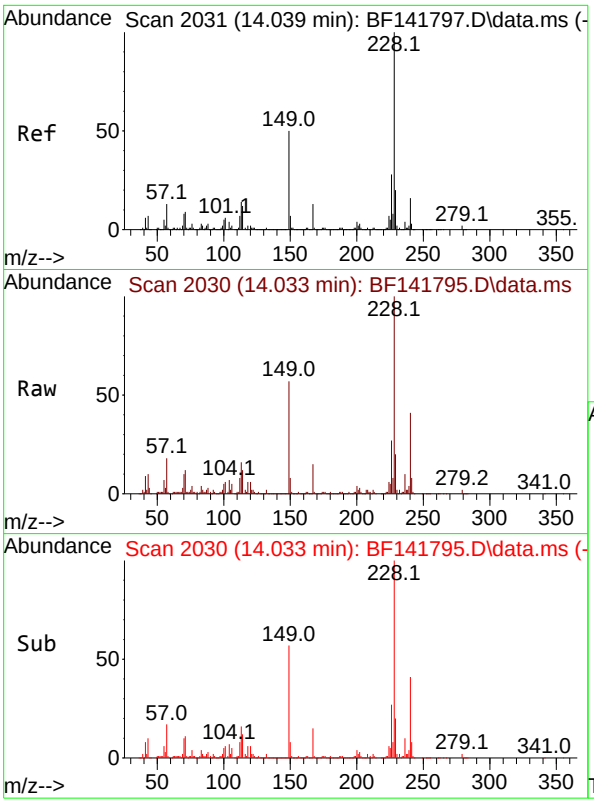


#80
Butylbenzylphthalate
Concen: 9.194 ng
RT: 13.469 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:149 Resp: 231474

Ion	Ratio	Lower	Upper
149	100		
91	77.5	60.1	90.1
206	20.6	16.8	25.2





#81
Benzo(a)anthracene
Concen: 10.496 ng
RT: 14.033 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 55477

Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.1	33.1
229	19.8	16.1	24.1

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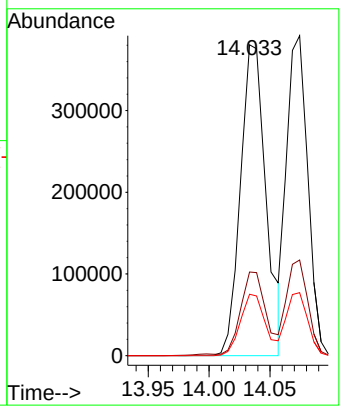
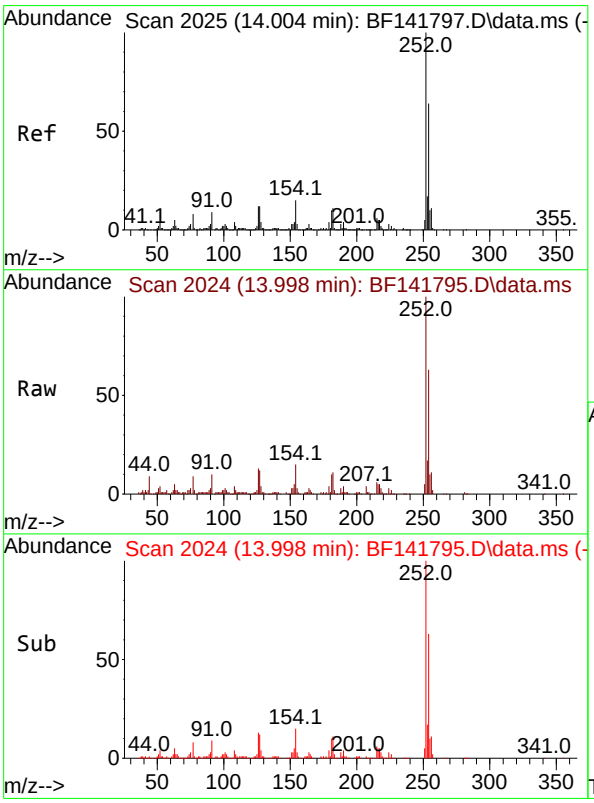
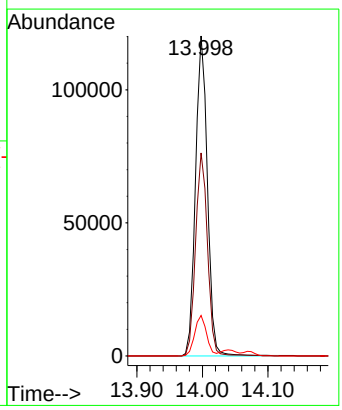


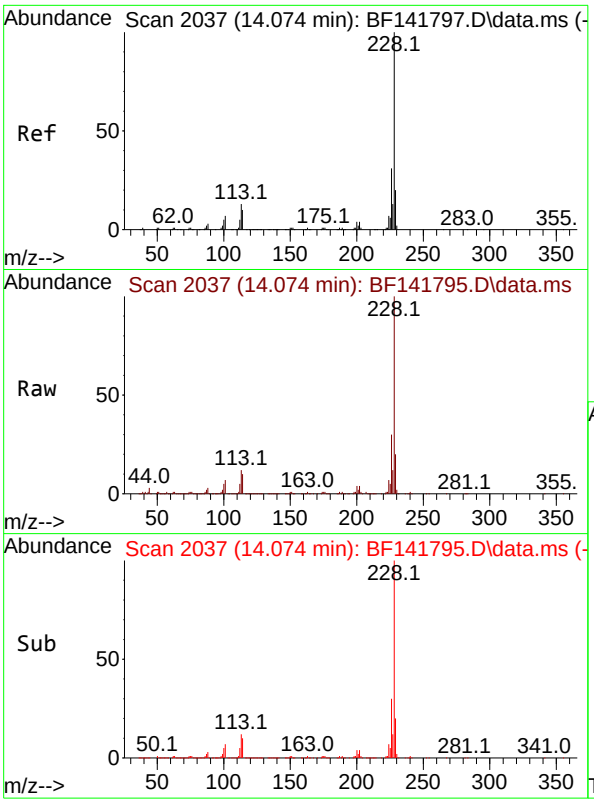


#82
3,3'-Dichlorobenzidine
Concen: 10.033 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:252 Resp: 152147

Ion	Ratio	Lower	Upper
252	100		
254	63.5	51.4	77.0
126	12.7	9.8	14.6

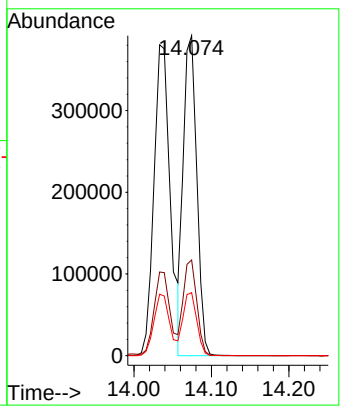




#83
Chrysene
Concen: 9.721 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:228 Resp: 47361

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.6	37.0
229	19.7	16.1	24.1



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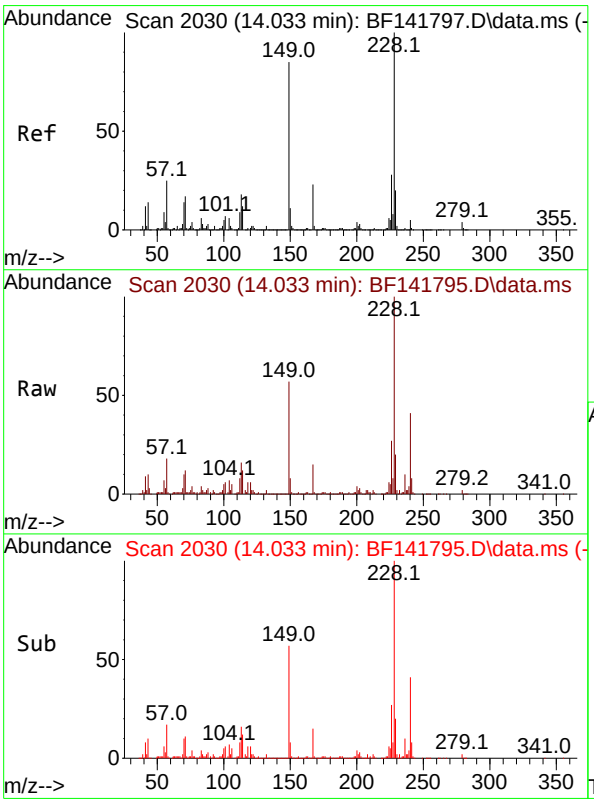
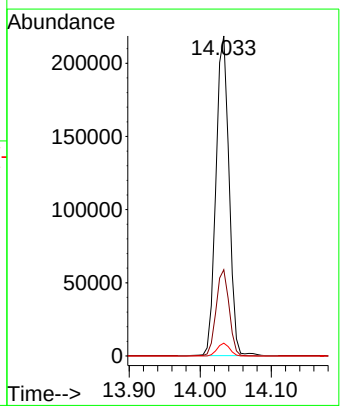
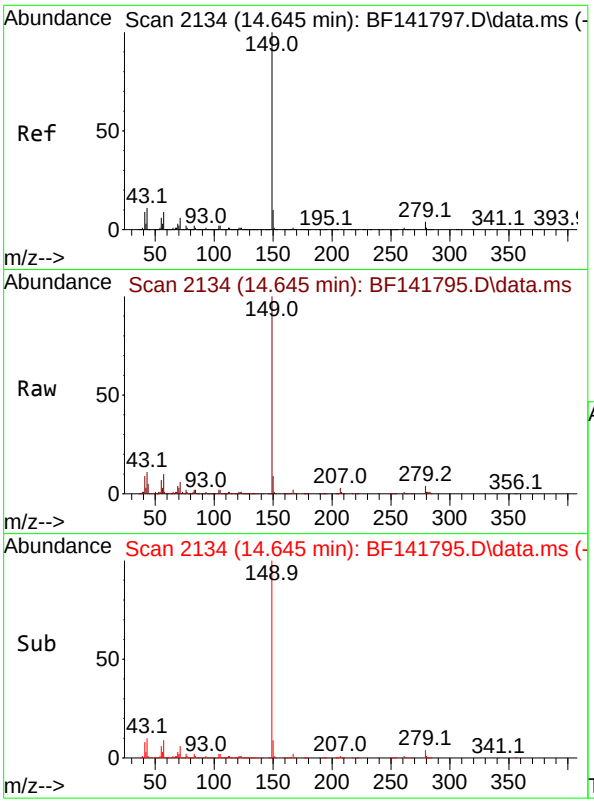


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.884 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:149 Resp: 278482

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.2	31.8
279	4.0	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 7.857 ng
RT: 14.645 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:149 Resp: 36871

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.8	8.6	12.8

Instrument :
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ClientSampleId :
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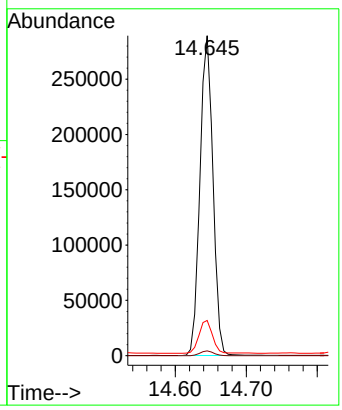
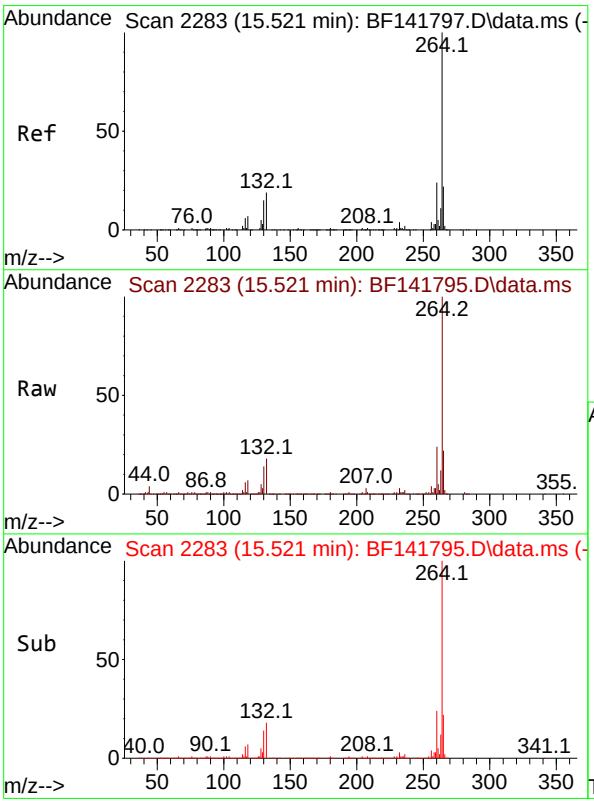
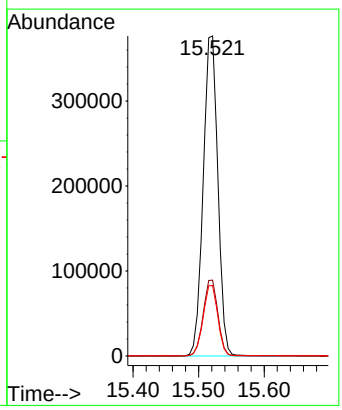


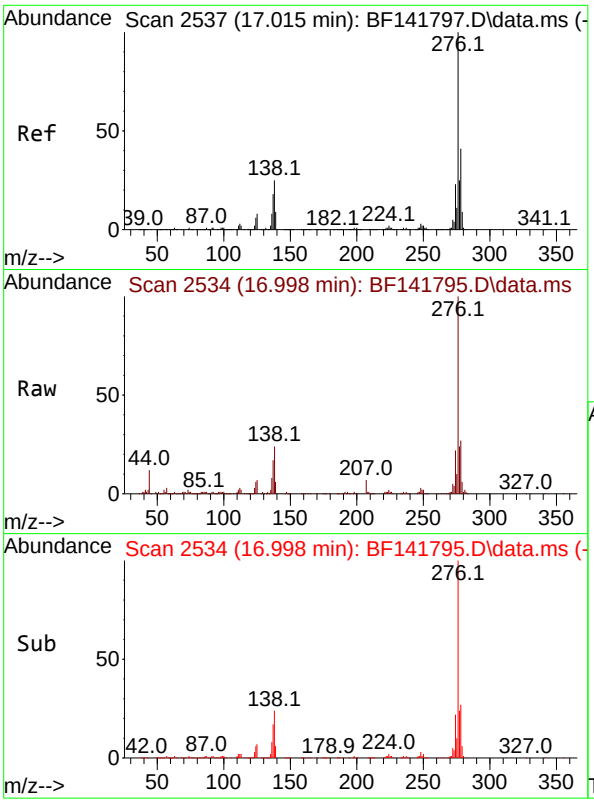


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:264 Resp: 586419

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	22.0	17.4	26.0

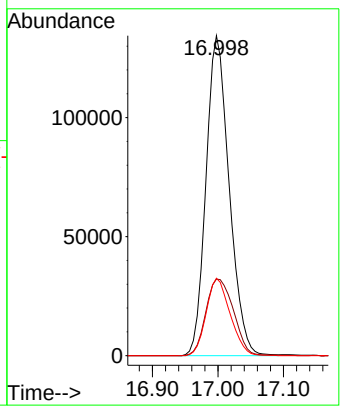




#87
Indeno(1,2,3-cd)pyrene
Concen: 8.838 ng
RT: 16.998 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:276 Resp: 33001

Ion	Ratio	Lower	Upper
276	100		
138	28.6	22.5	33.7
277	25.0	20.3	30.5



Instrument :
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ClientSampleId :
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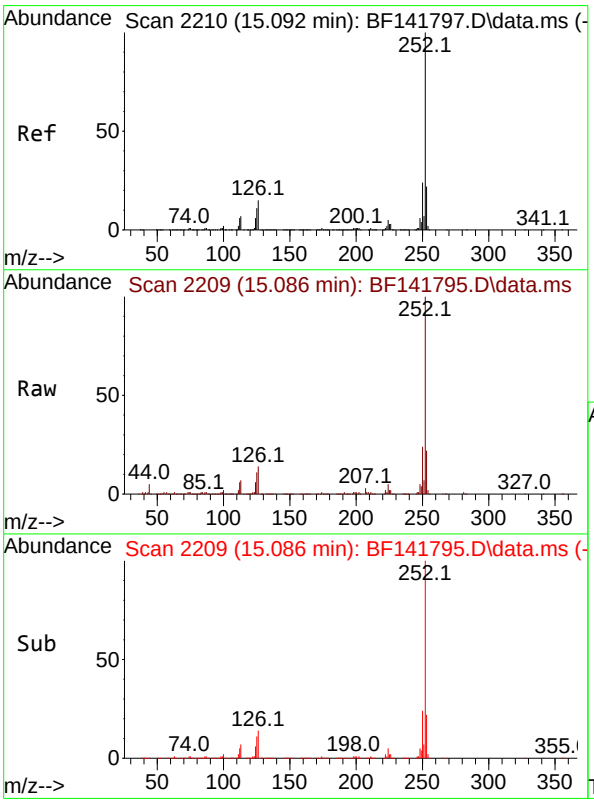
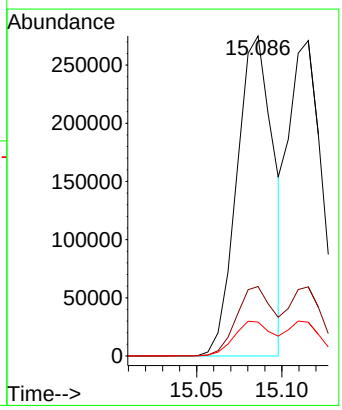
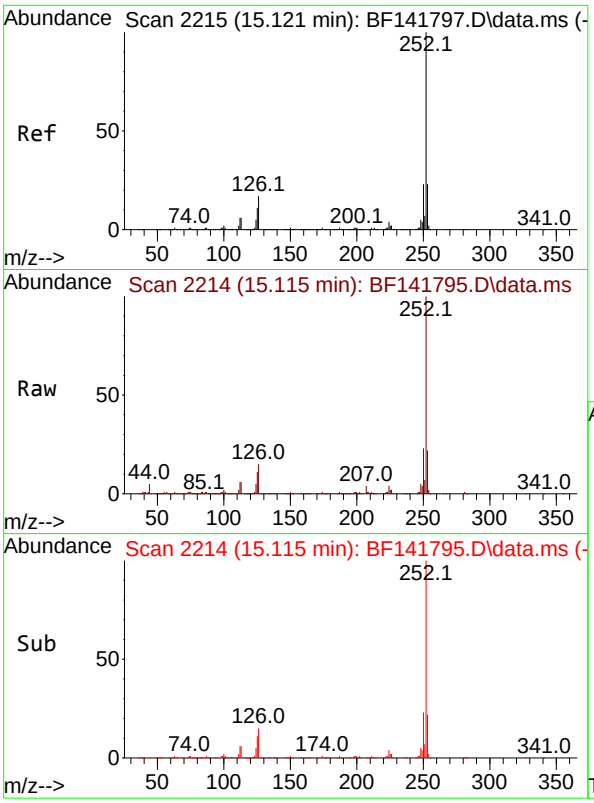


#88
Benzo(b)fluoranthene
Concen: 10.250 ng
RT: 15.086 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:252 Resp: 409420

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	10.6	8.6	13.0

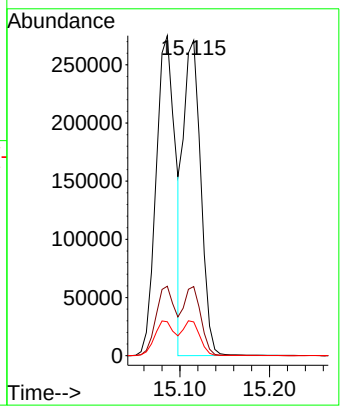




#89
Benzo(k)fluoranthene
Concen: 10.707 ng
RT: 15.115 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:252 Resp: 36351

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	10.7	8.8	13.2



Instrument :
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ClientSampleId :
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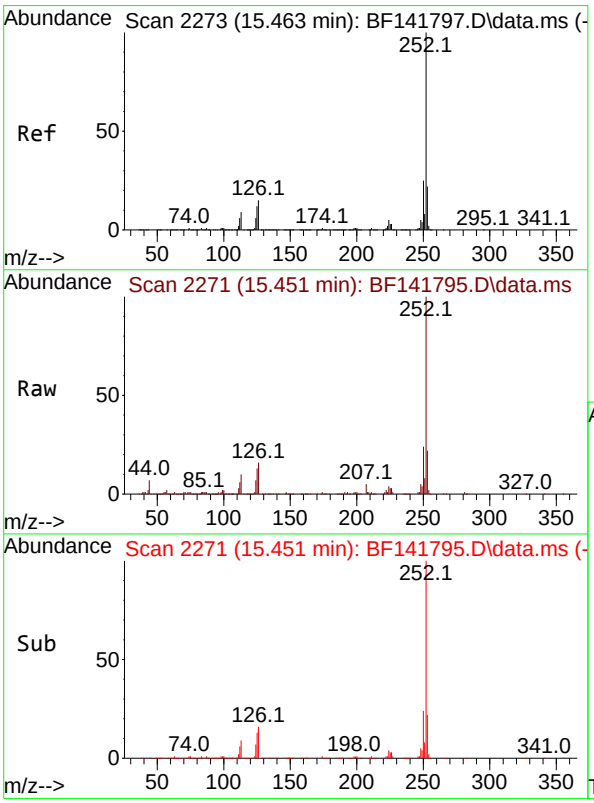
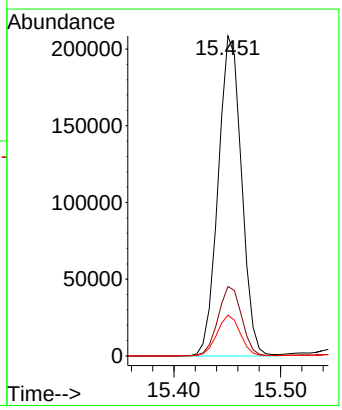
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

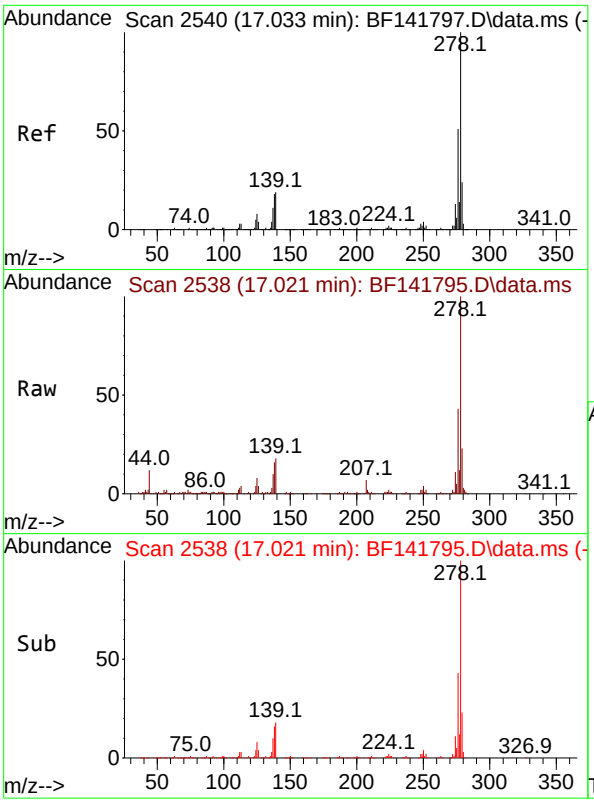


#90
Benzo(a)pyrene
Concen: 9.913 ng
RT: 15.451 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:252 Resp: 317564

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	12.8	9.4	14.2

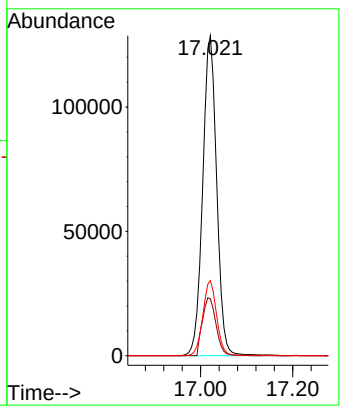




#91
Dibenzo(a,h)anthracene
Concen: 8.954 ng
RT: 17.021 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:278 Resp: 27291

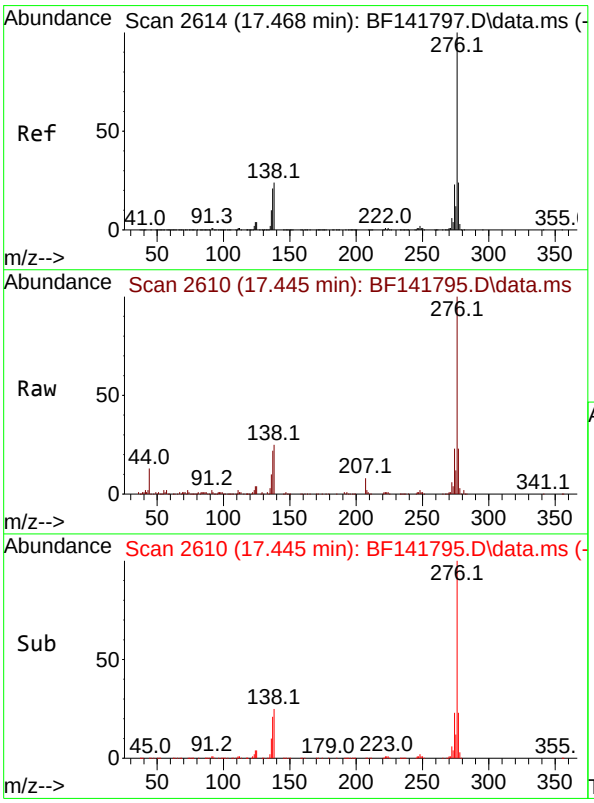
Ion	Ratio	Lower	Upper
278	100		
139	17.8	14.9	22.3
279	23.4	19.3	28.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

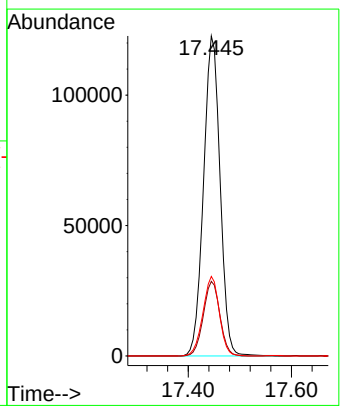
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#92
Benzo(g,h,i)perylene
Concen: 8.724 ng
RT: 17.445 min Scan# 2610
Delta R.T. -0.024 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:276 Resp: 272428

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.4	29.0
138	24.9	19.3	28.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141796.D
Acq On : 27 Feb 2025 16:46
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

Quant Time: Feb 28 01:24:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.887	152	282585	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	1143337	20.000	ng		0.00
39) Acenaphthene-d10	9.928	164	626338	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	1041715	20.000	ng		0.00
76) Chrysene-d12	14.045	240	688606	20.000	ng		0.00
86) Perylene-d12	15.521	264	539147	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	749674	42.367	ng		0.00
7) Phenol-d6	6.498	99	976719	42.408	ng		-0.01
23) Nitrobenzene-d5	7.445	82	726034	40.590	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	235147	39.990	ng		0.00
45) 2-Fluorobiphenyl	9.245	172	1686318	43.170	ng		0.00
79) Terphenyl-d14	12.992	244	1785806	41.959	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.681	88	162630	20.255	ng		100
3) Pyridine	3.446	79	419991	21.024	ng		99
4) n-Nitrosodimethylamine	3.387	42	194836	20.270	ng		99
6) Aniline	6.551	93	510018	21.416	ng		99
8) 2-Chlorophenol	6.669	128	406583	21.241	ng		99
9) Benzaldehyde	6.440	77	289246	21.590	ng		99
10) Phenol	6.516	94	527399m	21.493	ng		
11) bis(2-Chloroethyl)ether	6.622	93	393290	20.964	ng		99
12) 1,3-Dichlorobenzene	6.828	146	435544	21.247	ng		99
13) 1,4-Dichlorobenzene	6.904	146	437770	21.195	ng		100
14) 1,2-Dichlorobenzene	7.057	146	416995	21.620	ng		99
15) Benzyl Alcohol	7.022	79	388176	21.089	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	607289	21.316	ng		99
17) 2-Methylphenol	7.128	107	329265	20.839	ng		99
18) Hexachloroethane	7.404	117	162363	21.002	ng		98
19) n-Nitroso-di-n-propyla...	7.293	70	316487	20.904	ng		99
20) 3+4-Methylphenols	7.281	107	425612	21.633	ng		98
22) Acetophenone	7.293	105	585913	21.041	ng	#	97
24) Nitrobenzene	7.463	77	395521	20.649	ng		97
25) Isophorone	7.704	82	789349	20.541	ng		99
26) 2-Nitrophenol	7.781	139	132844	18.604	ng		98
27) 2,4-Dimethylphenol	7.810	122	292966	20.740	ng		99
28) bis(2-Chloroethoxy)met...	7.916	93	513944	20.966	ng		99
29) 2,4-Dichlorophenol	8.016	162	338122	20.749	ng		99
30) 1,2,4-Trichlorobenzene	8.110	180	374188	20.955	ng		99
31) Naphthalene	8.192	128	1258082	21.409	ng		99
32) Benzoic acid	7.898	122	165613	19.487	ng		98
33) 4-Chloroaniline	8.234	127	454568	21.097	ng		100
34) Hexachlorobutadiene	8.310	225	230541	20.776	ng		98
35) Caprolactam	8.587	113	102898	20.521	ng		99
36) 4-Chloro-3-methylphenol	8.704	107	376094	20.776	ng		99
37) 2-Methylnaphthalene	8.881	142	826497	21.443	ng		99
38) 1-Methylnaphthalene	8.981	142	796808	21.545	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	377360	20.861	ng		99
41) Hexachlorocyclopentadiene	9.034	237	158105	20.943	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	238591	20.419	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141796.D
Acq On : 27 Feb 2025 16:46
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

Quant Time: Feb 28 01:24:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.187	196	242709	20.976	ng		99
46) 1,1'-Biphenyl	9.345	154	1021081	21.418	ng		99
47) 2-Chloronaphthalene	9.369	162	752142	21.375	ng		99
48) 2-Nitroaniline	9.457	65	153869	18.870	ng		97
49) Acenaphthylene	9.786	152	1126303	21.349	ng		99
50) Dimethylphthalate	9.645	163	879870	20.977	ng		100
51) 2,6-Dinitrotoluene	9.704	165	144673	19.796	ng		98
52) Acenaphthene	9.957	154	749963	21.068	ng		99
53) 3-Nitroaniline	9.869	138	152114	19.664	ng	#	99
54) 2,4-Dinitrophenol	9.969	184	41521	19.116	ng	#	1
55) Dibenzofuran	10.128	168	1105278	21.332	ng		99
56) 4-Nitrophenol	10.010	139	123415	19.922	ng		98
57) 2,4-Dinitrotoluene	10.104	165	165949	19.214	ng		98
58) Fluorene	10.469	166	822264	21.187	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	210339	20.902	ng		99
60) Diethylphthalate	10.345	149	894118	21.264	ng		99
61) 4-Chlorophenyl-phenyle...	10.463	204	409697	21.069	ng		99
62) 4-Nitroaniline	10.481	138	143482	20.031	ng		98
63) Azobenzene	10.622	77	942499	21.288	ng		99
65) 4,6-Dinitro-2-methylph...	10.510	198	65163	19.161	ng		97
66) n-Nitrosodiphenylamine	10.581	169	717531	20.977	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	248503	20.423	ng		98
68) Hexachlorobenzene	11.016	284	265367	20.653	ng		97
69) Atrazine	11.104	200	203939	21.680	ng		99
70) Pentachlorophenol	11.210	266	167231	20.521	ng		99
71) Phenanthrene	11.433	178	1181769	21.209	ng		99
72) Anthracene	11.486	178	1203701	21.554	ng		99
73) Carbazole	11.639	167	1056147	21.416	ng		99
74) Di-n-butylphthalate	11.975	149	1345098	21.518	ng		99
75) Fluoranthene	12.622	202	1242031	21.753	ng		99
77) Benzidine	12.739	184	136521	15.752	ng		99
78) Pyrene	12.851	202	1249647	20.957	ng		99
80) Butylbenzylphthalate	13.469	149	442702	20.434	ng		98
81) Benzo(a)anthracene	14.039	228	953146	20.956	ng		99
82) 3,3'-Dichlorobenzidine	13.998	252	262708	20.132	ng		100
83) Chrysene	14.074	228	850641	20.288	ng		100
84) Bis(2-ethylhexyl)phtha...	14.033	149	542812	20.122	ng		100
85) Di-n-octyl phthalate	14.645	149	763685	18.910	ng		100
87) Indeno(1,2,3-cd)pyrene	17.004	276	668777	19.480	ng		99
88) Benzo(b)fluoranthene	15.086	252	826369	22.501	ng		100
89) Benzo(k)fluoranthene	15.116	252	592250	18.973	ng		99
90) Benzo(a)pyrene	15.457	252	610871	20.740	ng		99
91) Dibenzo(a,h)anthracene	17.027	278	552725	19.724	ng		98
92) Benzo(g,h,i)perylene	17.451	276	557705	19.426	ng		100

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

ICAL Form

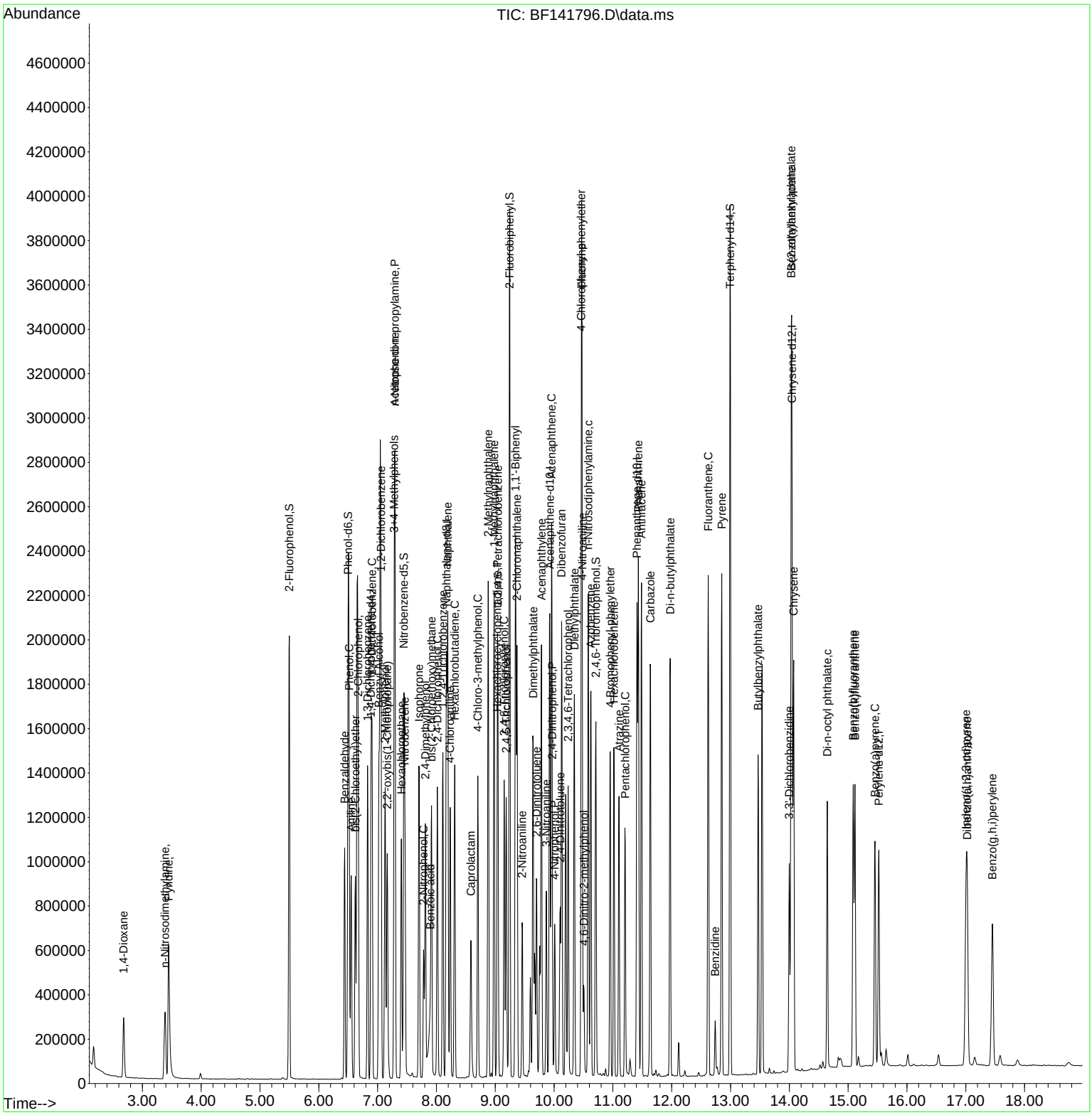
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141796.D
Acq On : 27 Feb 2025 16:46
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

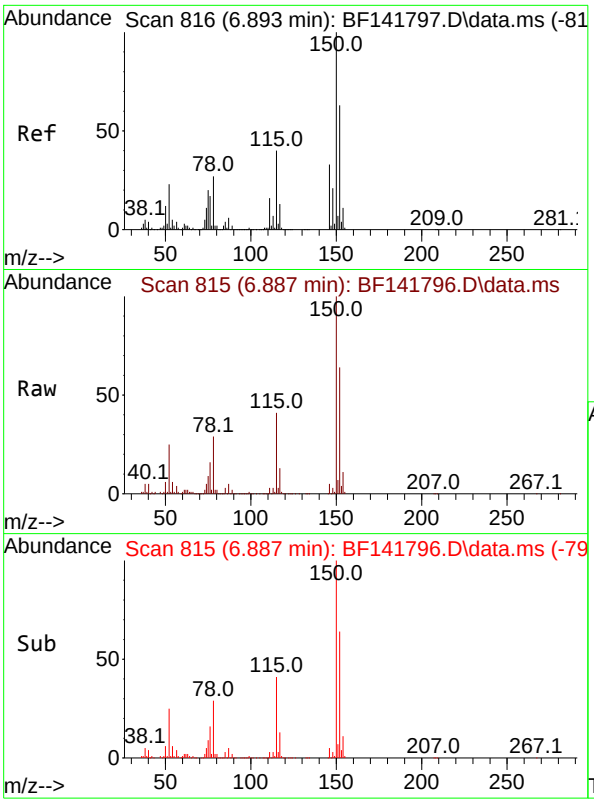
Quant Time: Feb 28 01:24:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

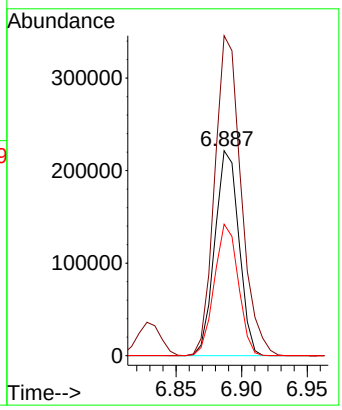




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:152 Resp: 28258

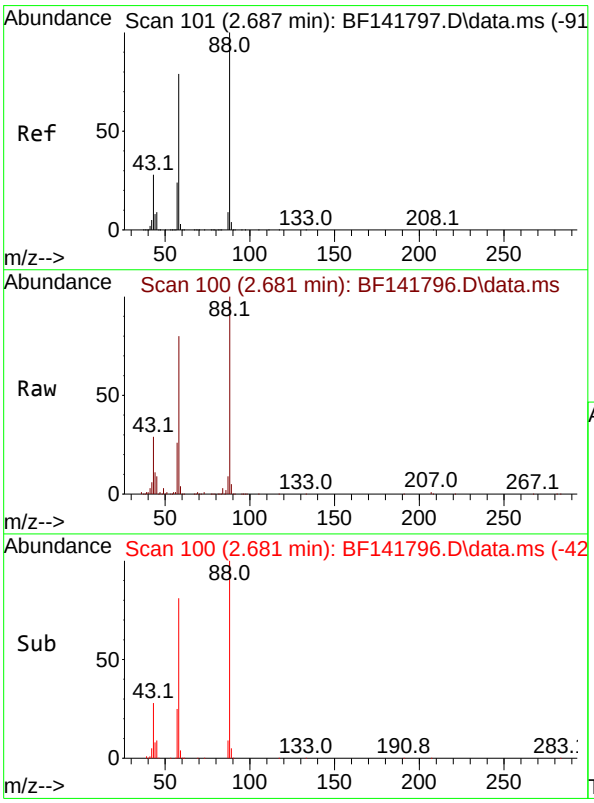
Ion	Ratio	Lower	Upper
152	100		
150	156.1	127.5	191.3
115	64.2	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

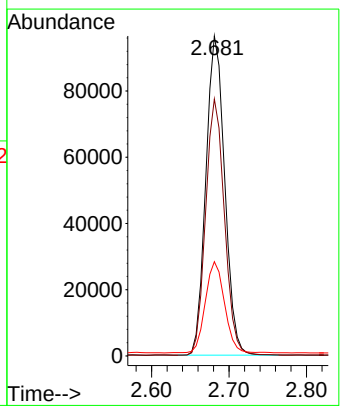
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

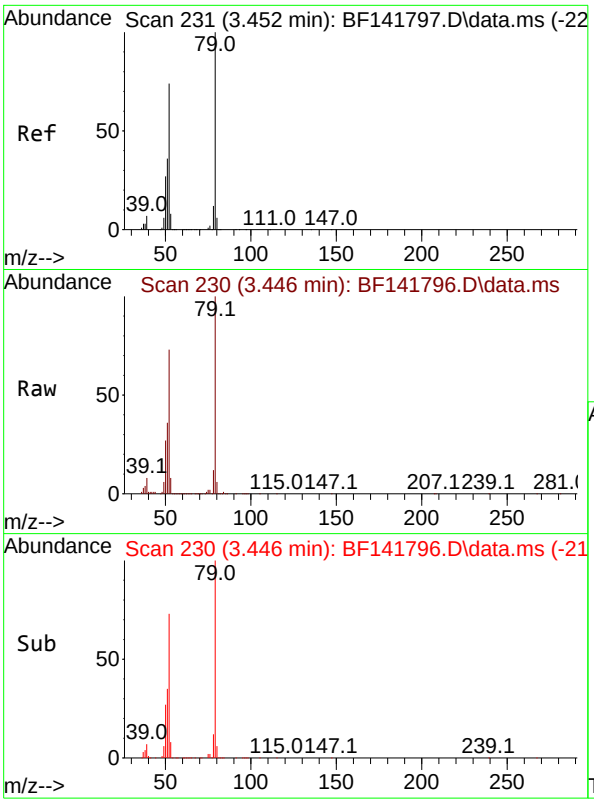


#2
1,4-Dioxane
Concen: 20.255 ng
RT: 2.681 min Scan# 100
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 88 Resp: 162630

Ion	Ratio	Lower	Upper
88	100		
58	80.0	63.9	95.9
43	29.0	23.0	34.6

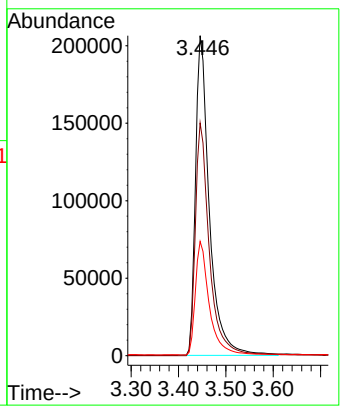




#3
Pyridine
Concen: 21.024 ng
RT: 3.446 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 79 Resp: 41999

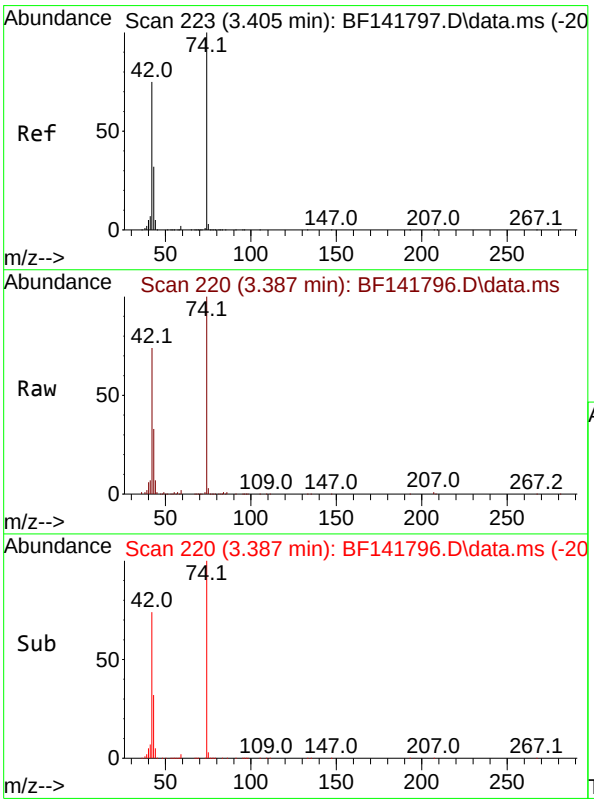
Ion	Ratio	Lower	Upper
79	100		
52	72.7	59.0	88.4
51	35.7	29.0	43.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

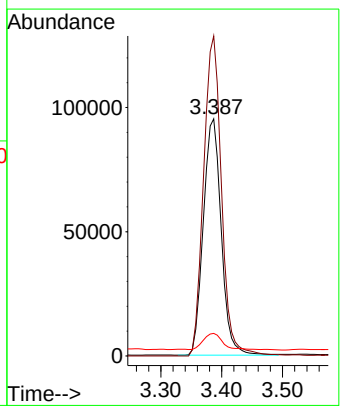
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

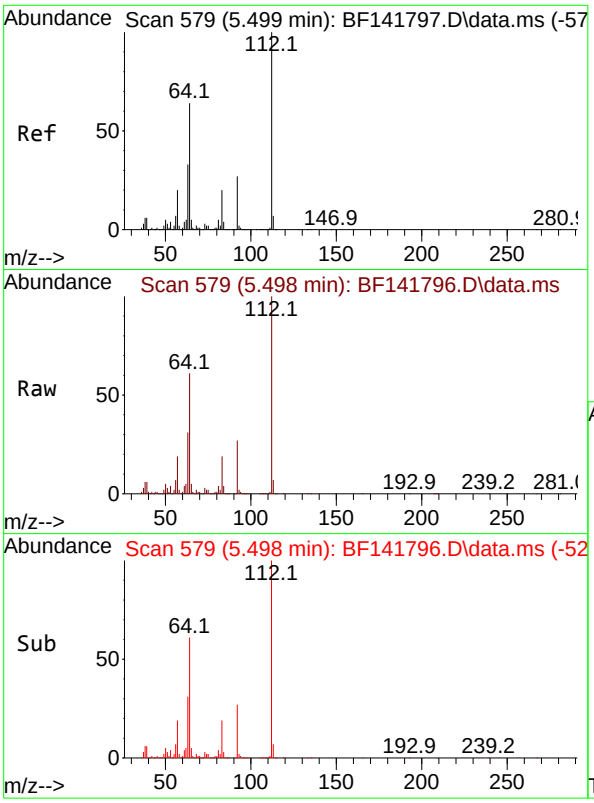


#4
n-Nitrosodimethylamine
Concen: 20.270 ng
RT: 3.387 min Scan# 220
Delta R.T. -0.018 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 42 Resp: 194836

Ion	Ratio	Lower	Upper
42	100		
74	135.0	107.1	160.7
44	9.5	6.6	9.8

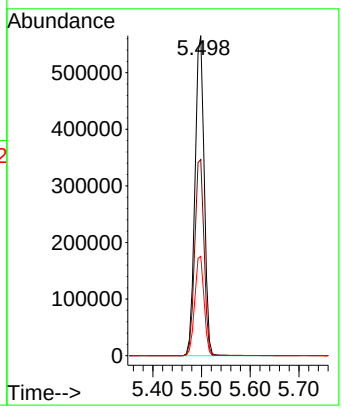




#5
2-Fluorophenol
Concen: 42.367 ng
RT: 5.498 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:112 Resp: 74967

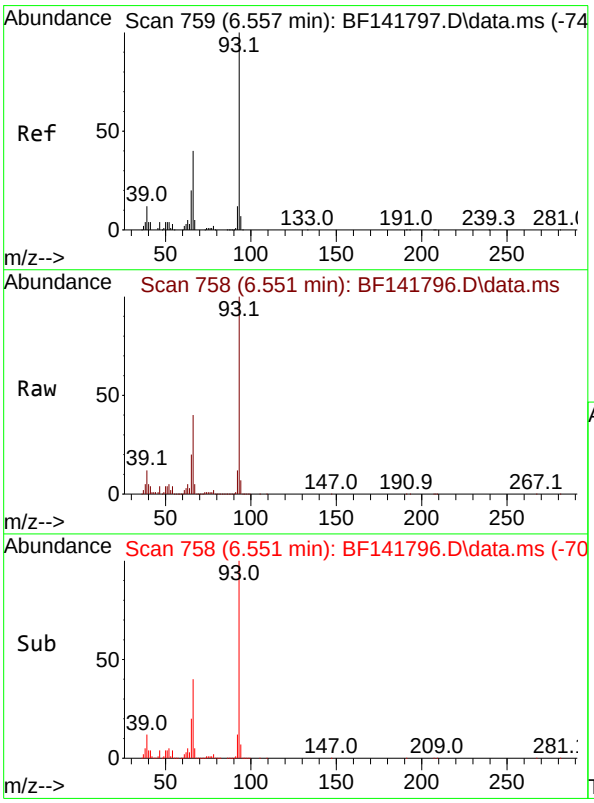
Ion	Ratio	Lower	Upper
112	100		
64	61.3	51.3	76.9
63	31.1	26.2	39.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

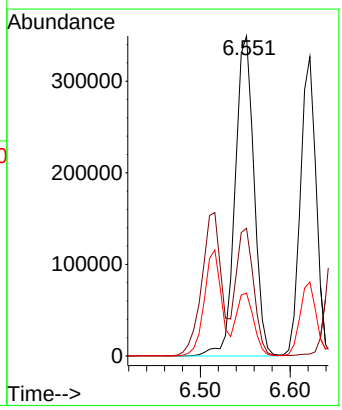
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

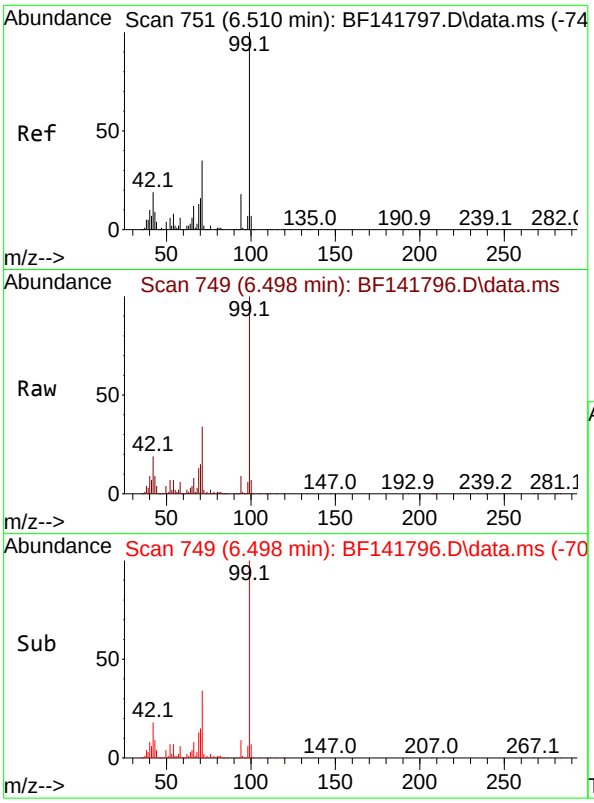


#6
Aniline
Concen: 21.416 ng
RT: 6.551 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 93 Resp: 510018

Ion	Ratio	Lower	Upper
93	100		
66	39.9	32.3	48.5
65	19.7	15.9	23.9

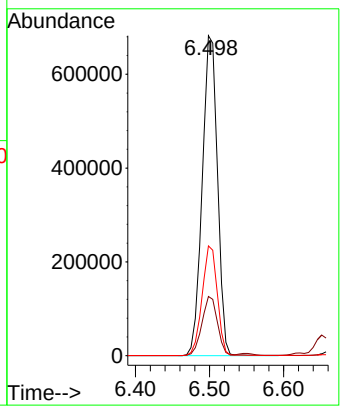




#7
Phenol-d6
Concen: 42.408 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 99 Resp: 97671

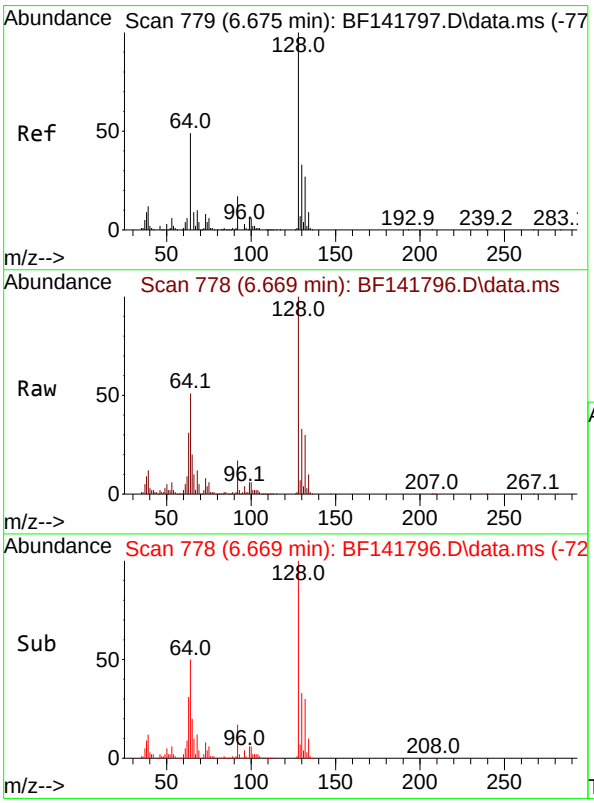
Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.2	22.8
71	34.3	28.2	42.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

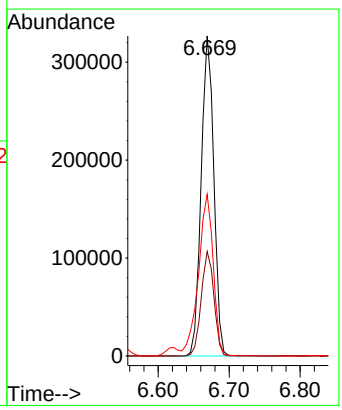
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

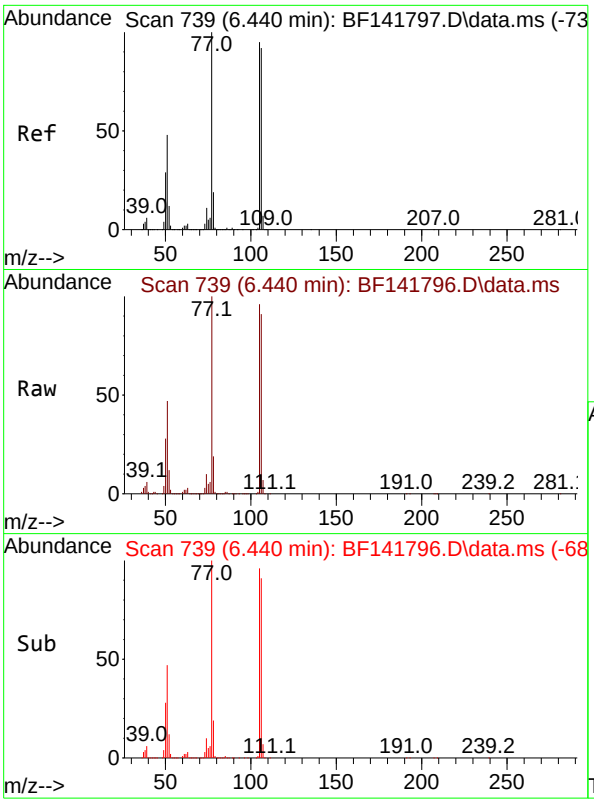


#8
2-Chlorophenol
Concen: 21.241 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:128 Resp: 406583

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	50.5	31.1	71.1

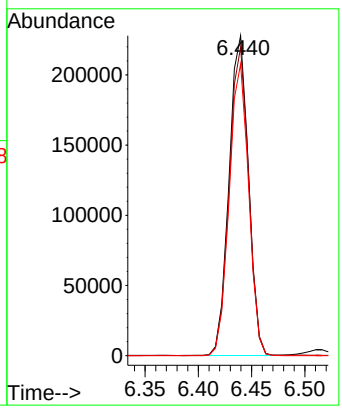




#9
Benzaldehyde
Concen: 21.590 ng
RT: 6.440 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 77 Resp: 28924

Ion	Ratio	Lower	Upper
77	100		
105	96.4	75.3	115.3
106	91.1	72.3	112.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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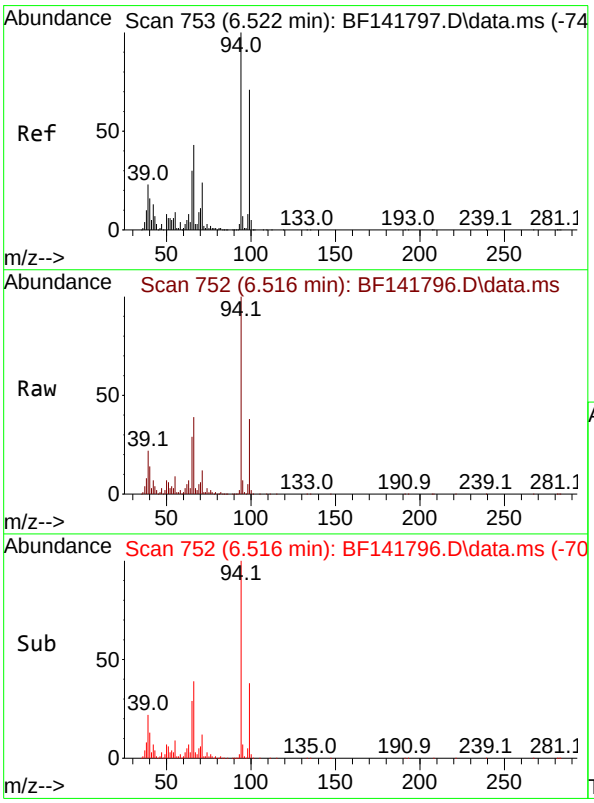
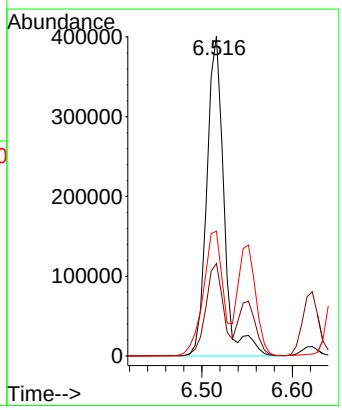
Supervised By :mohammad ahmed 02/28/2025

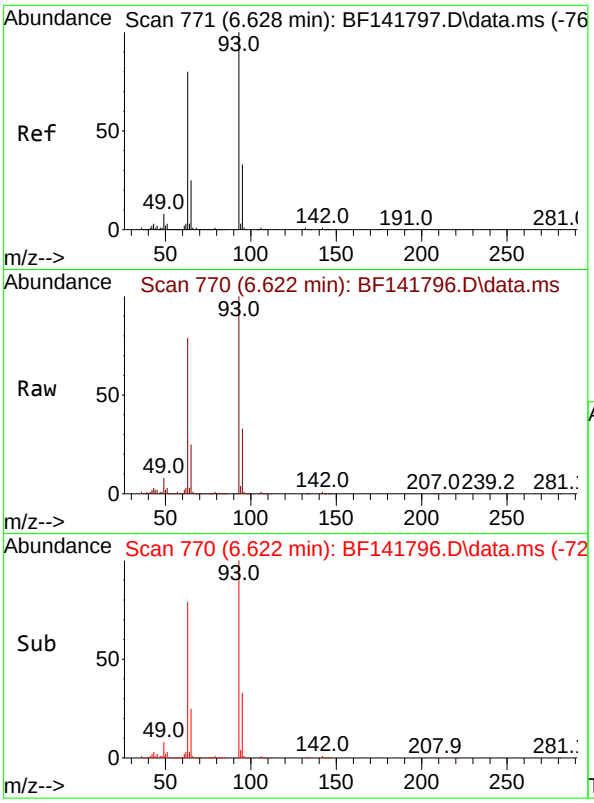


#10
Phenol
Concen: 21.493 ng m
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 94 Resp: 527399

Ion	Ratio	Lower	Upper
94	100		
65	28.9	10.2	50.2
66	39.0	23.2	63.2

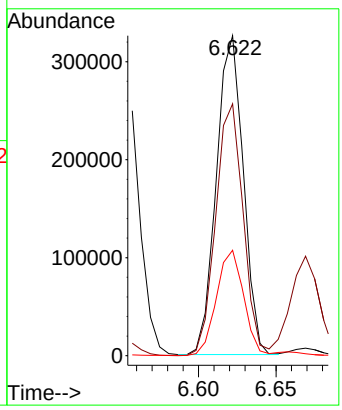




#11
bis(2-Chloroethyl)ether
Concen: 20.964 ng
RT: 6.622 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 93 Resp: 39329

Ion	Ratio	Lower	Upper
93	100		
63	78.7	59.3	99.3
95	32.9	13.2	53.2



Instrument :
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ClientSampleId :
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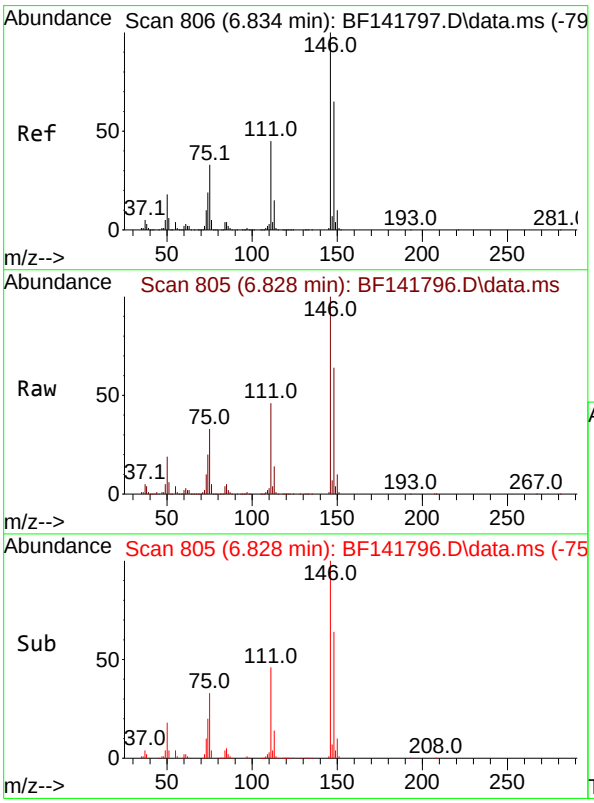
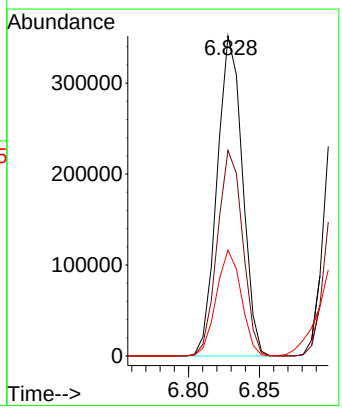
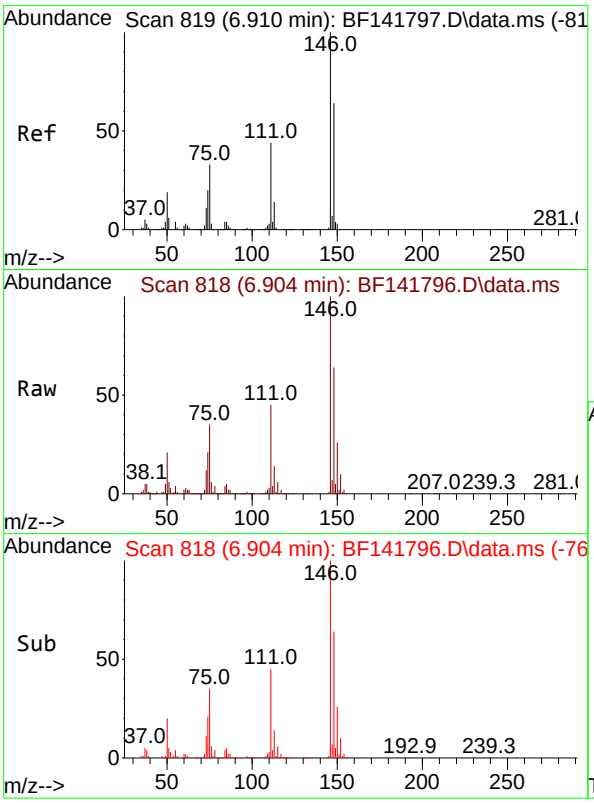


#12
1,3-Dichlorobenzene
Concen: 21.247 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:146 Resp: 435544

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.8	77.6
75	33.0	26.2	39.4

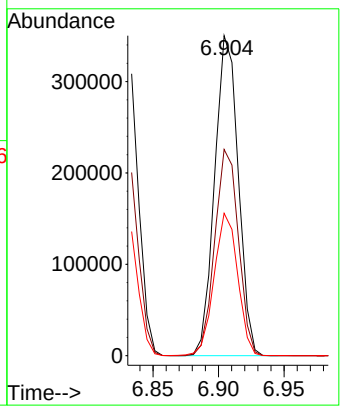




#13
1,4-Dichlorobenzene
Concen: 21.195 ng
RT: 6.904 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:146 Resp: 43777

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.4	77.2
111	44.5	35.5	53.3



Instrument :
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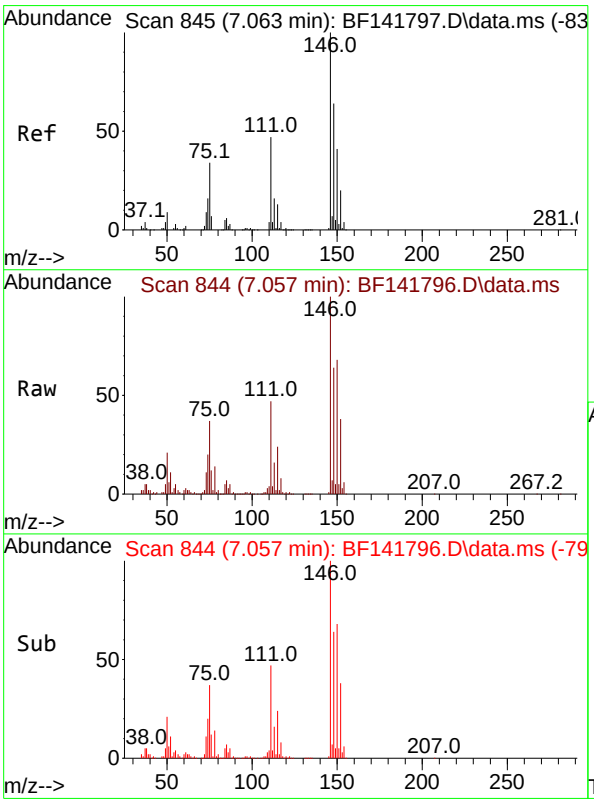
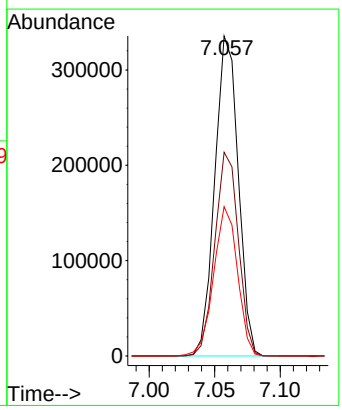
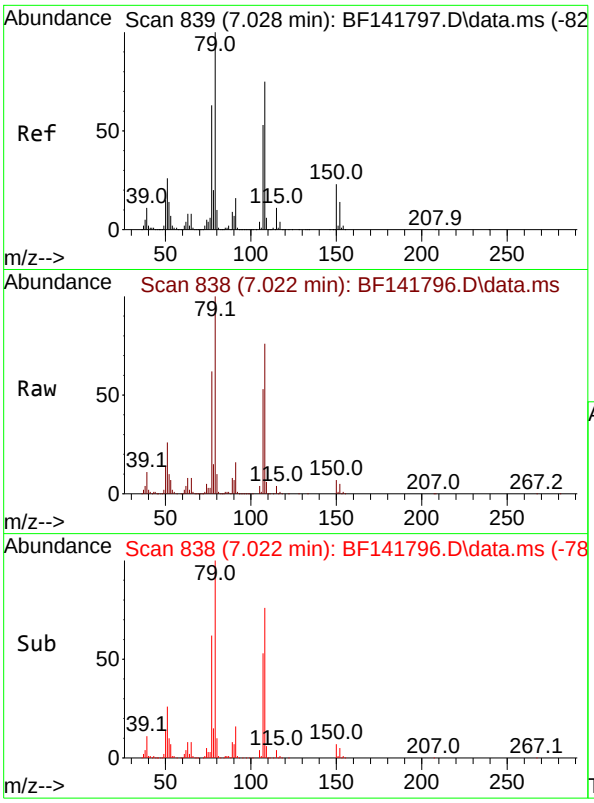


#14
1,2-Dichlorobenzene
Concen: 21.620 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:146 Resp: 416995

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.2	76.8
111	46.6	37.8	56.6

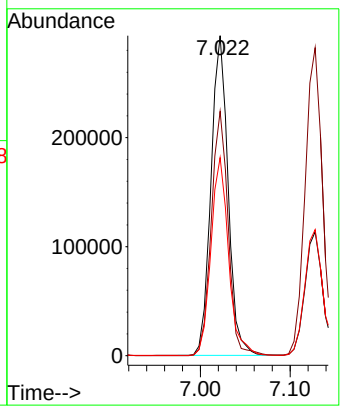




#15
Benzyl Alcohol
Concen: 21.089 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 79 Resp: 38817

Ion	Ratio	Lower	Upper
79	100		
108	76.3	60.2	90.2
77	61.9	50.2	75.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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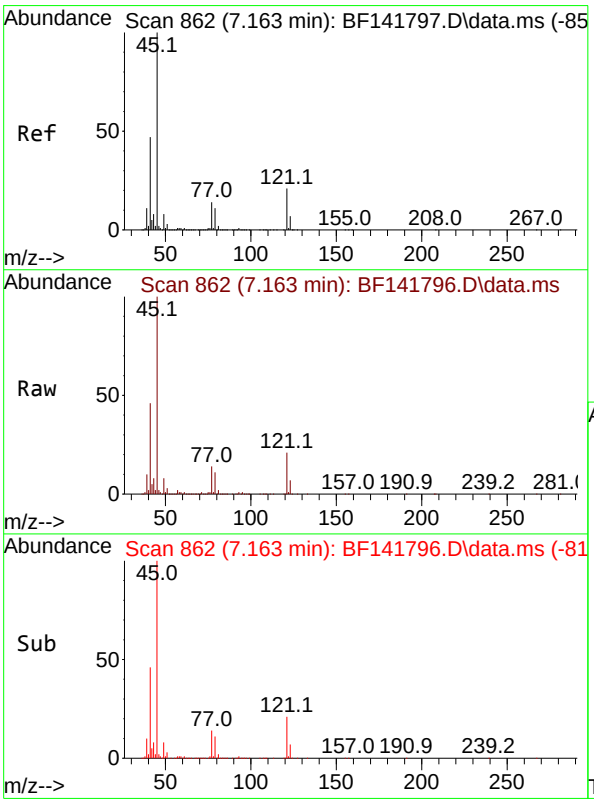
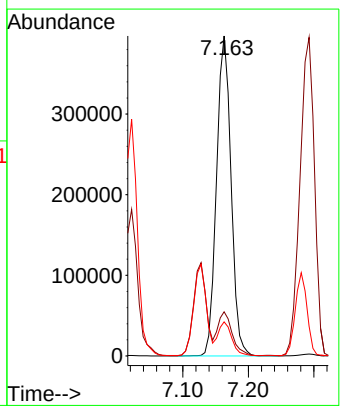
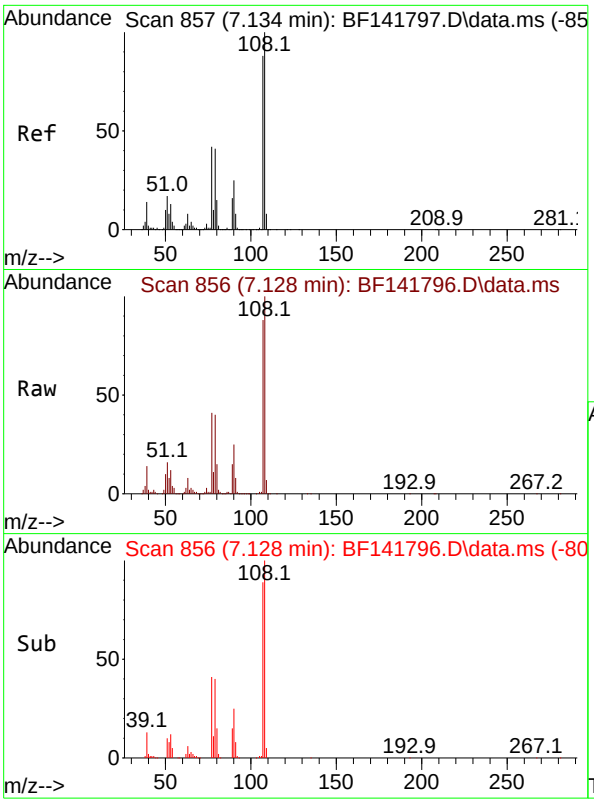


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.316 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 45 Resp: 607289

Ion	Ratio	Lower	Upper
45	100		
77	13.8	0.0	34.4
79	10.7	0.0	30.9

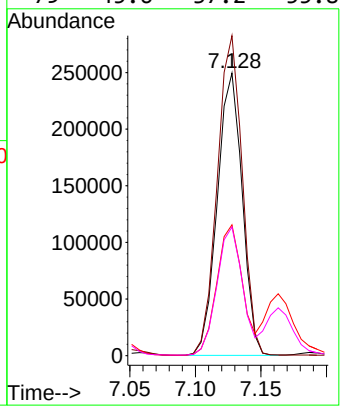




#17
2-Methylphenol
Concen: 20.839 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:107 Resp: 32926

Ion	Ratio	Lower	Upper
107	100		
108	113.3	90.6	135.8
77	46.4	37.7	56.5
79	45.6	37.2	55.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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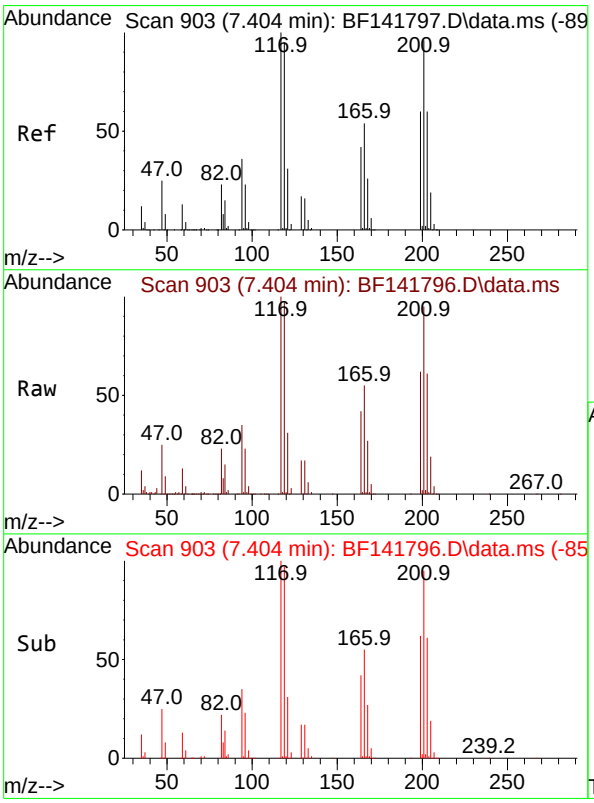
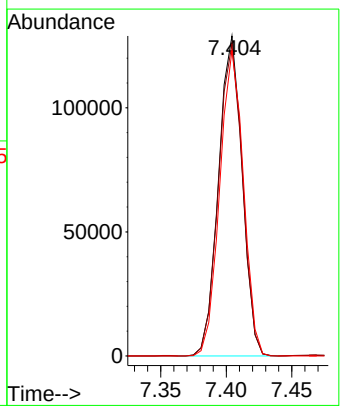
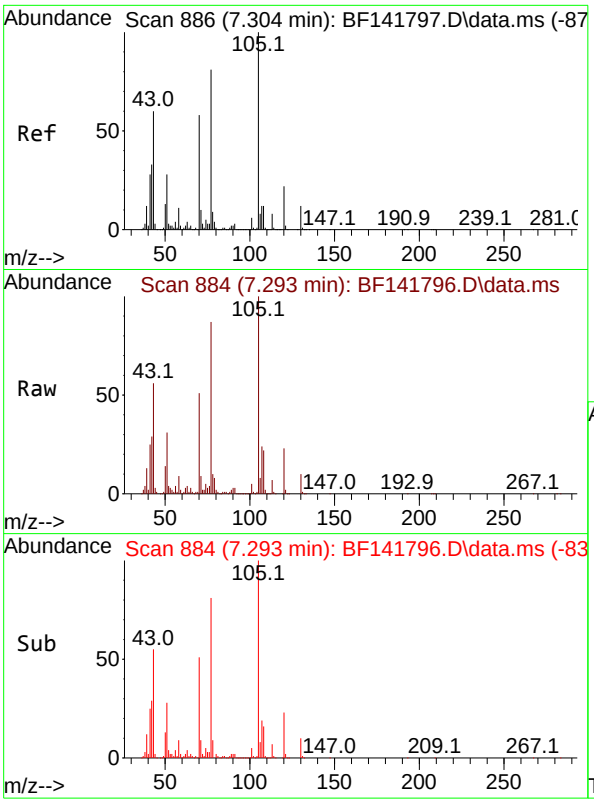


#18
Hexachloroethane
Concen: 21.002 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:117 Resp: 162363

Ion	Ratio	Lower	Upper
117	100		
119	97.5	75.8	113.8
201	95.4	76.7	115.1

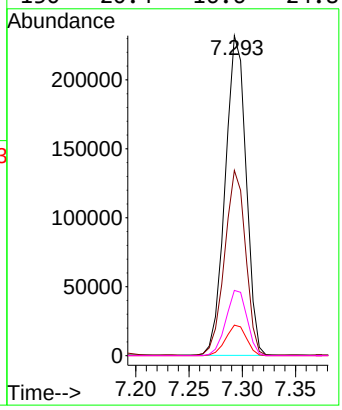




#19
n-Nitroso-di-n-propylamine
Concen: 20.904 ng
RT: 7.293 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 70 Resp: 31648

Ion	Ratio	Lower	Upper
70	100		
42	57.9	45.4	68.0
101	9.6	7.8	11.8
130	20.4	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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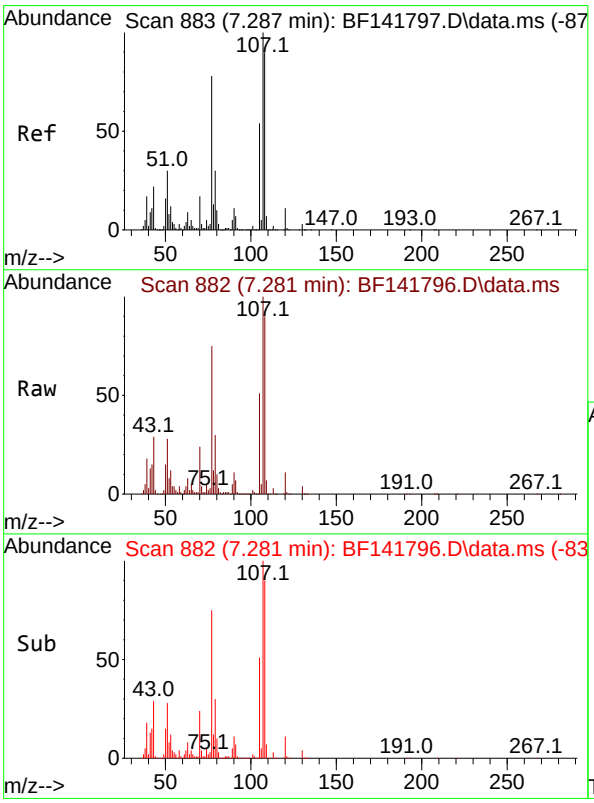
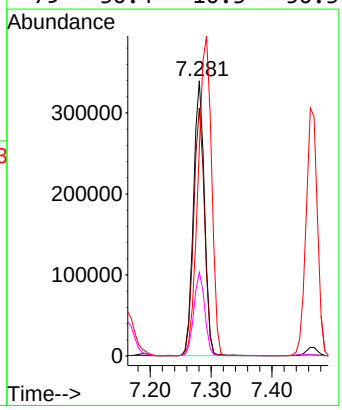
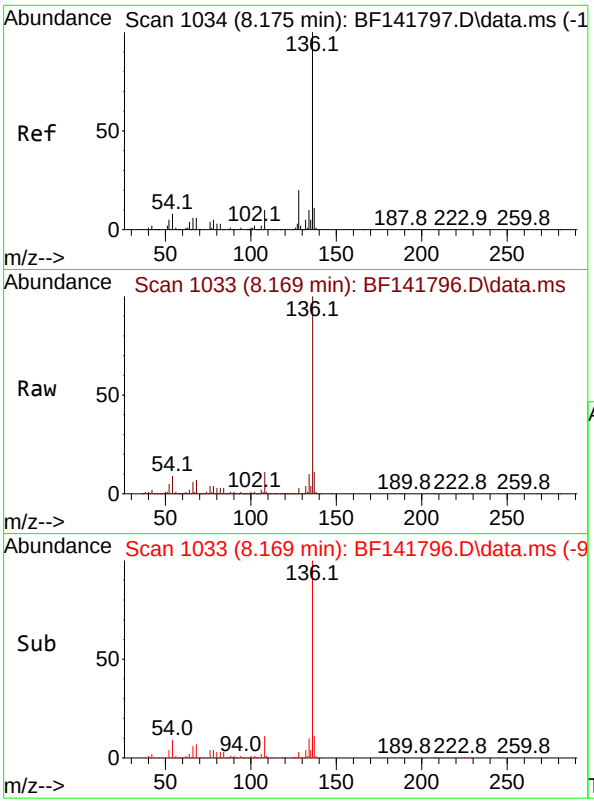


#20
3+4-Methylphenols
Concen: 21.633 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:107 Resp: 425612

Ion	Ratio	Lower	Upper
107	100		
108	90.1	69.7	109.7
77	75.5	58.3	98.3
79	30.4	10.3	50.3

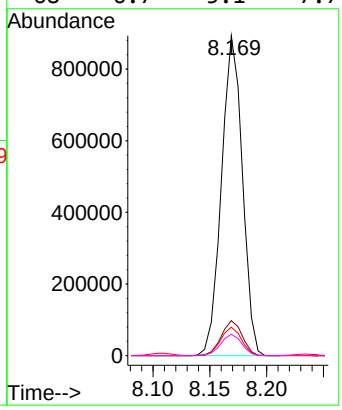




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:136 Resp: 114333

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.9	6.9	10.3
68	6.7	5.1	7.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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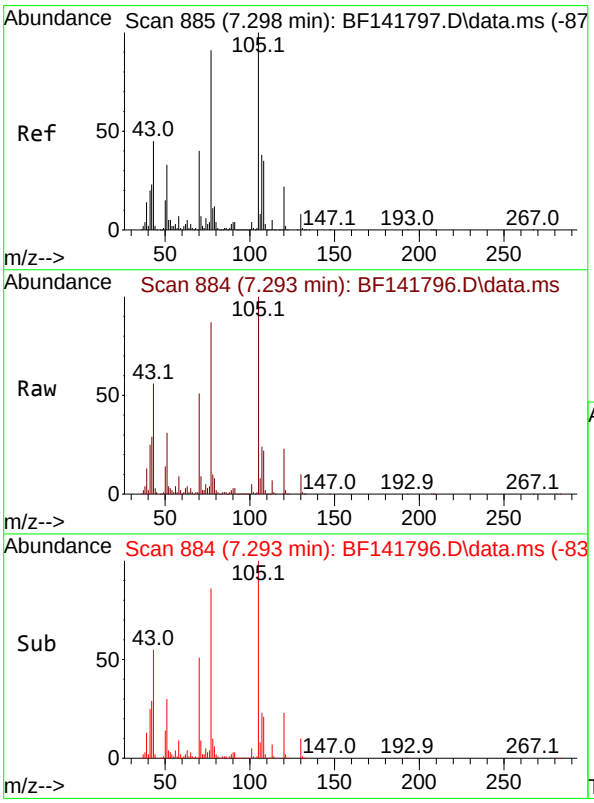
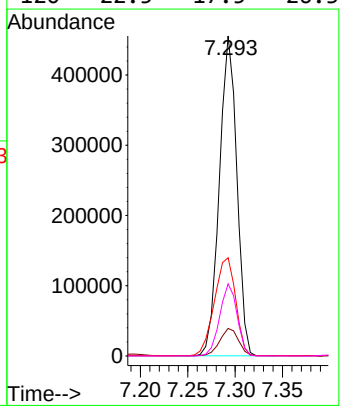
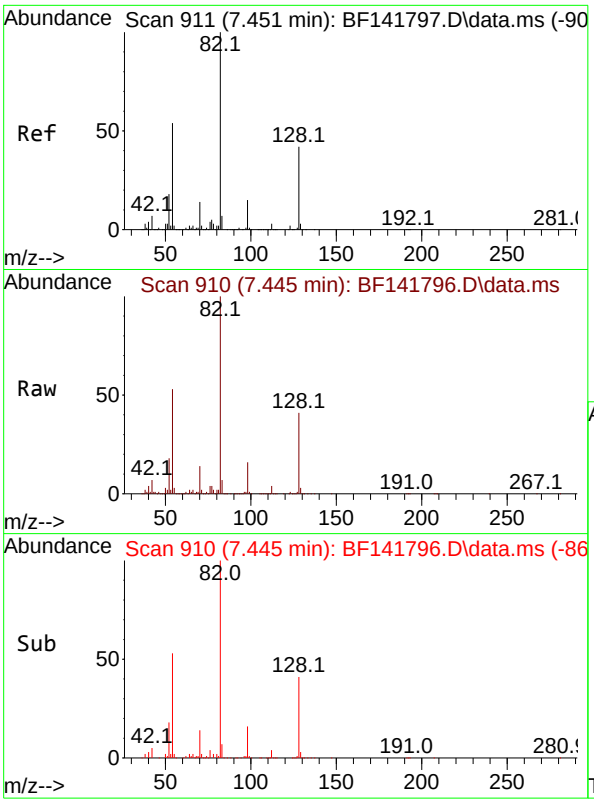


#22
Acetophenone
Concen: 21.041 ng
RT: 7.293 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:105 Resp: 585913

Ion	Ratio	Lower	Upper
105	100		
71	8.6	5.4	8.0#
51	30.7	26.1	39.1
120	22.5	17.5	26.3





#23
Nitrobenzene-d5
Concen: 40.590 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 82 Resp: 72603

Ion	Ratio	Lower	Upper
82	100		
128	40.7	33.5	50.3
54	53.3	42.7	64.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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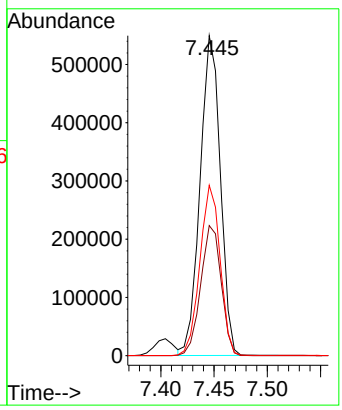
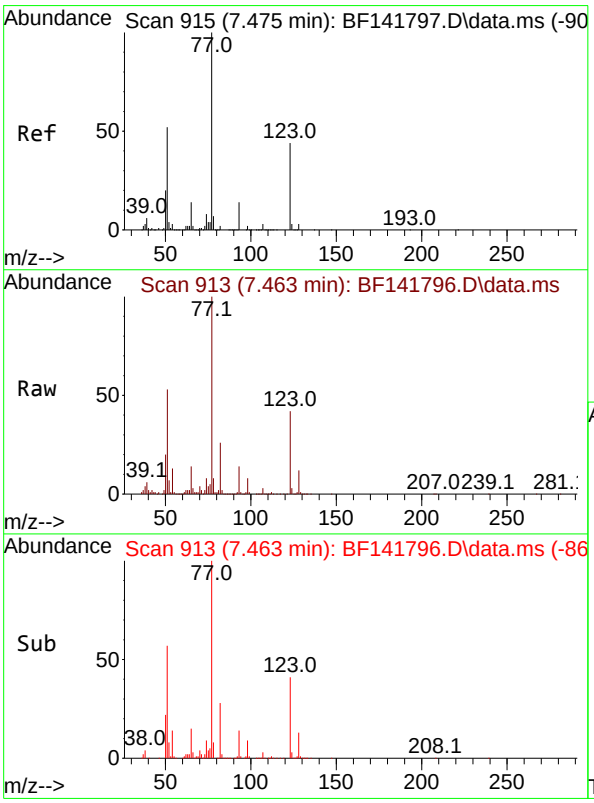
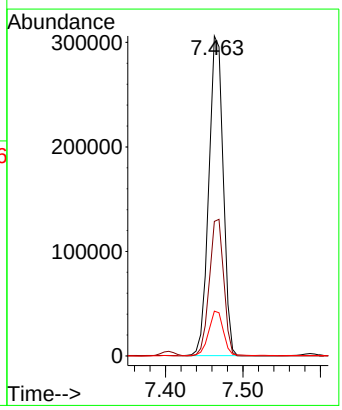


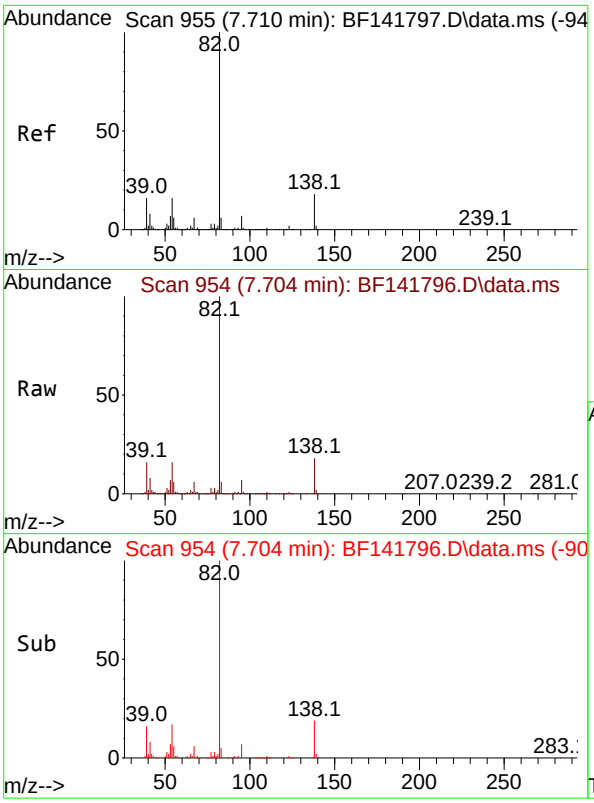


#24
Nitrobenzene
Concen: 20.649 ng
RT: 7.463 min Scan# 913
Delta R.T. -0.012 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 77 Resp: 395521

Ion	Ratio	Lower	Upper
77	100		
123	42.1	35.8	53.8
65	14.0	11.2	16.8





#25
Isophorone
Concen: 20.541 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 82 Resp: 78934

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	18.1	14.0	21.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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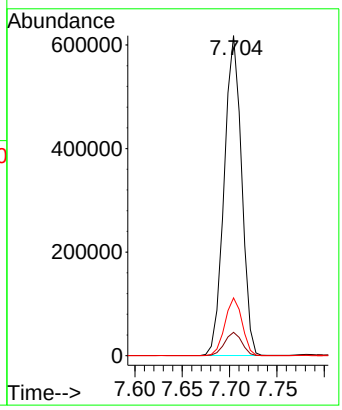
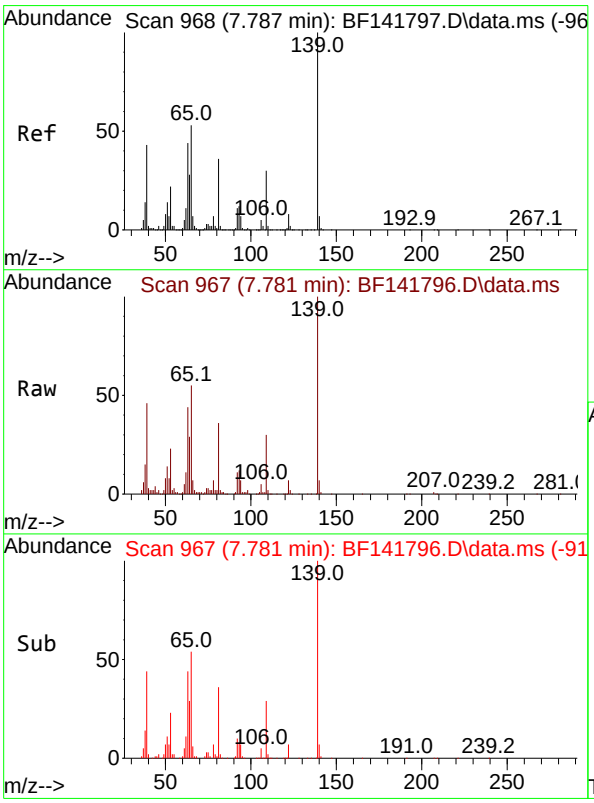
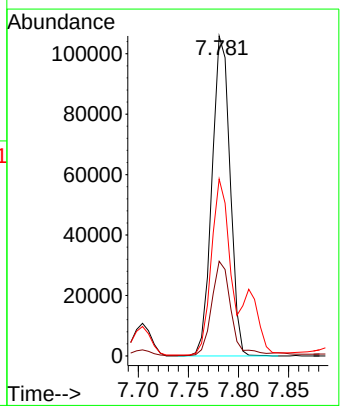


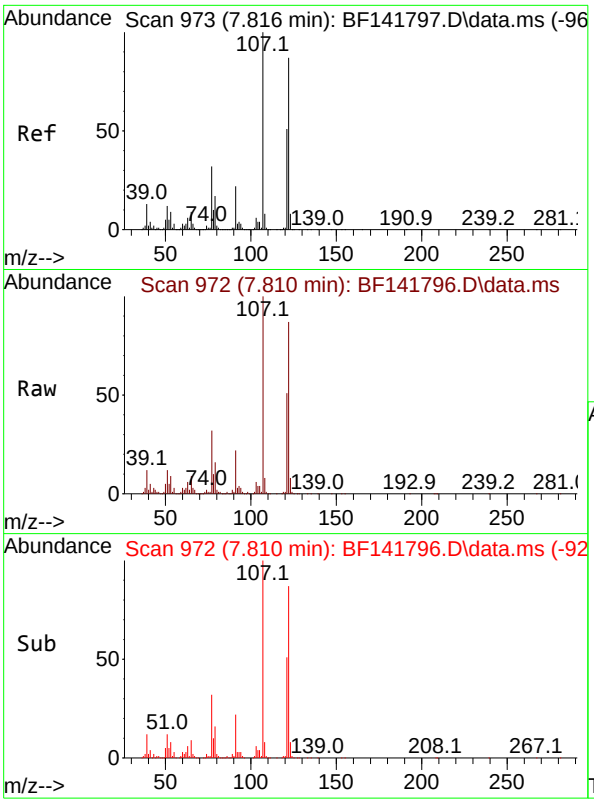


#26
2-Nitrophenol
Concen: 18.604 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:139 Resp: 132844

Ion	Ratio	Lower	Upper
139	100		
109	29.6	24.1	36.1
65	55.3	42.3	63.5

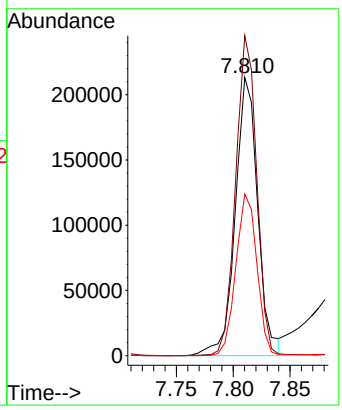




#27
2,4-Dimethylphenol
Concen: 20.740 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:122 Resp: 29296

Ion	Ratio	Lower	Upper
122	100		
107	115.0	92.5	138.7
121	58.1	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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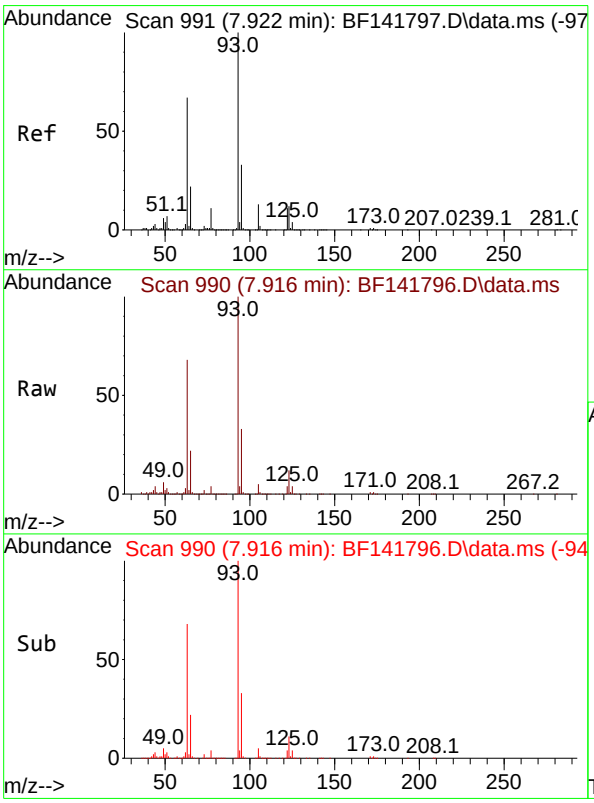
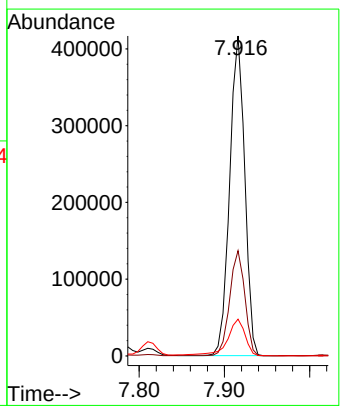
Supervised By :mohammad ahmed 02/28/2025

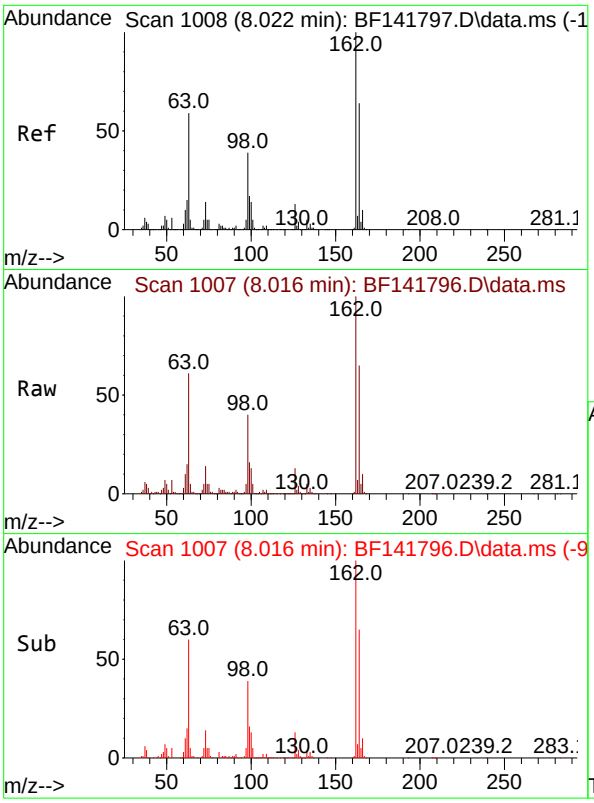


#28
bis(2-Chloroethoxy)methane
Concen: 20.966 ng
RT: 7.916 min Scan# 990
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 93 Resp: 513944

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.5	39.7
123	11.5	10.0	15.0

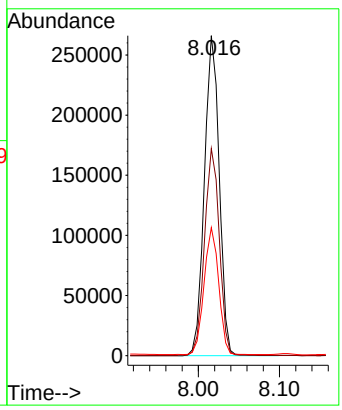




#29
2,4-Dichlorophenol
Concen: 20.749 ng
RT: 8.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:162 Resp: 33812

Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.3	84.3
98	40.0	19.6	59.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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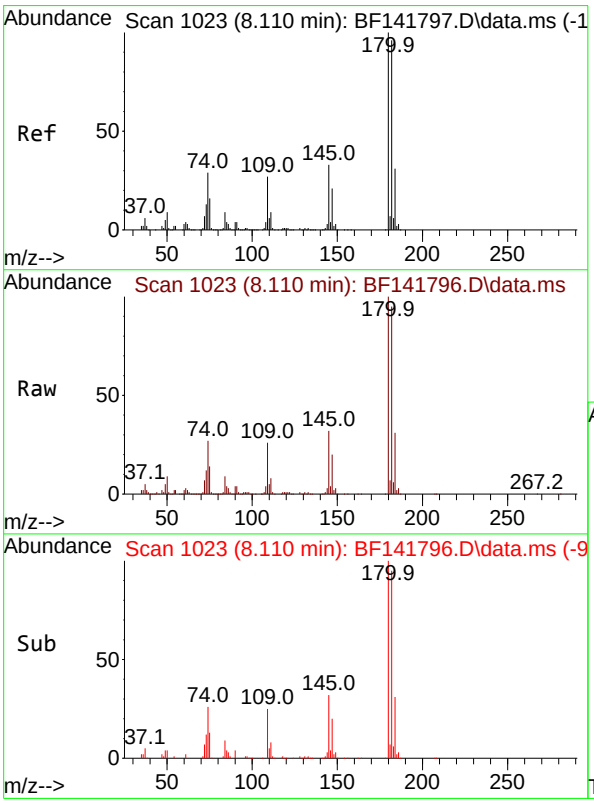
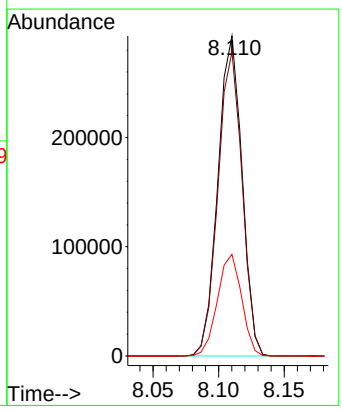
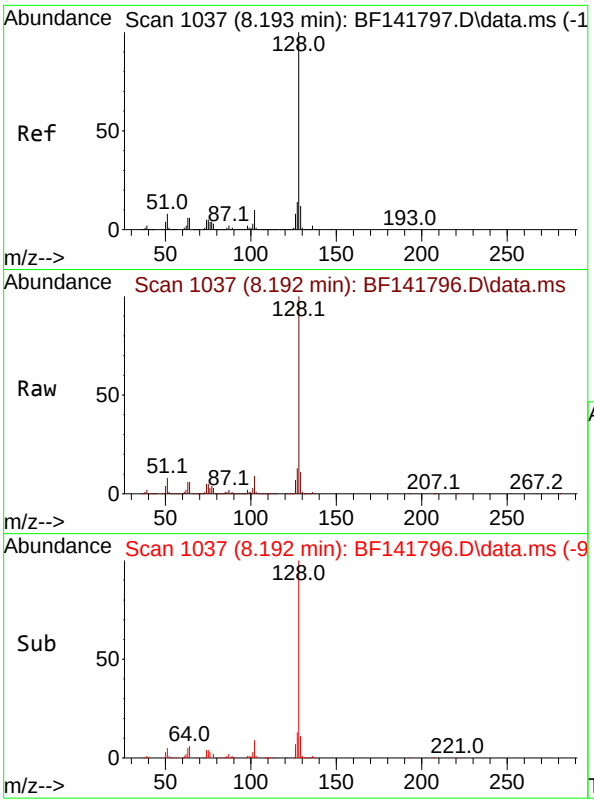


#30
1,2,4-Trichlorobenzene
Concen: 20.955 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:180 Resp: 374188

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.8	115.2
145	31.8	26.4	39.6

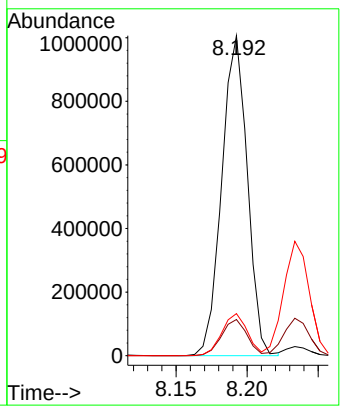




#31
Naphthalene
Concen: 21.409 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:128 Resp: 125808

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.2	13.8
127	13.2	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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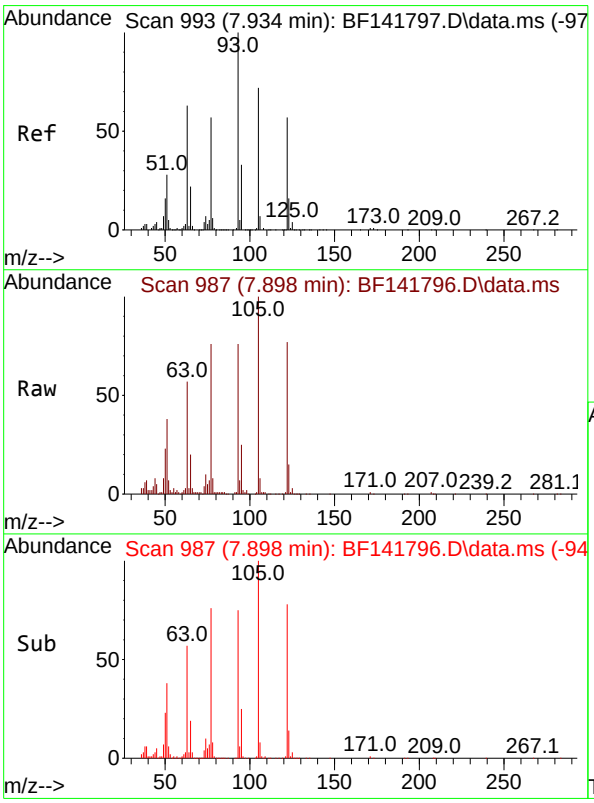
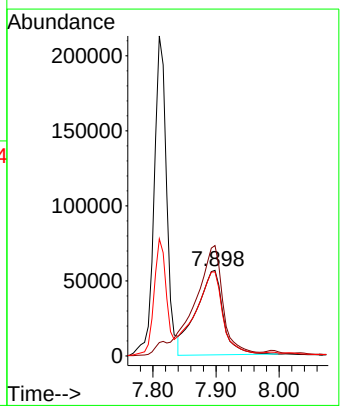
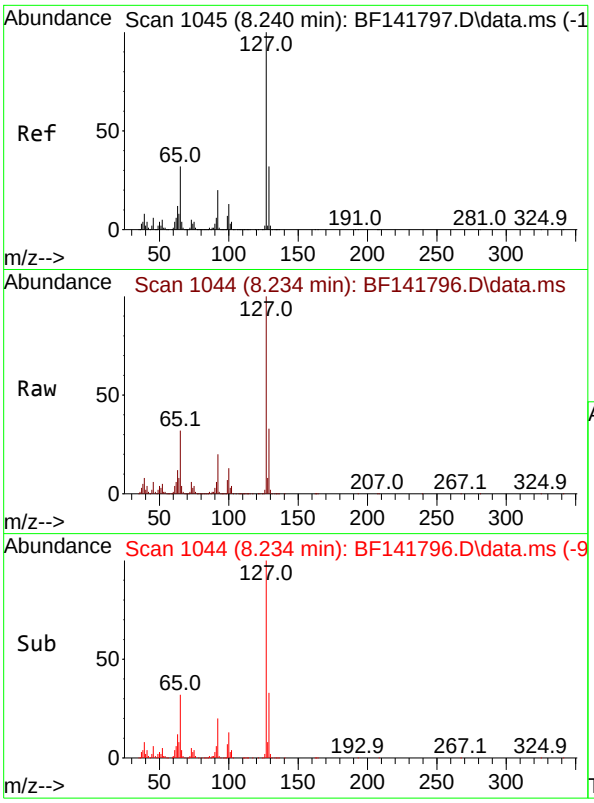


#32
Benzoic acid
Concen: 19.487 ng
RT: 7.898 min Scan# 987
Delta R.T. -0.036 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:122 Resp: 165613

Ion	Ratio	Lower	Upper
122	100		
105	129.2	105.8	145.8
77	98.4	79.9	119.9

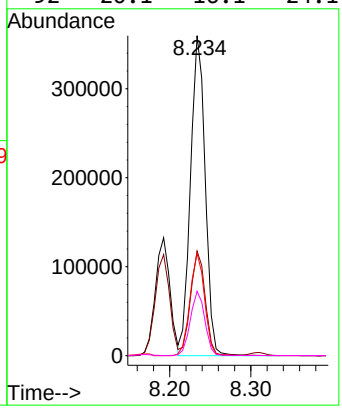




#33
4-Chloroaniline
Concen: 21.097 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:127 Resp: 45456

Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.1	39.1
65	32.0	25.7	38.5
92	20.1	16.1	24.1



Instrument :
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ClientSampleId :
SSTDICC020

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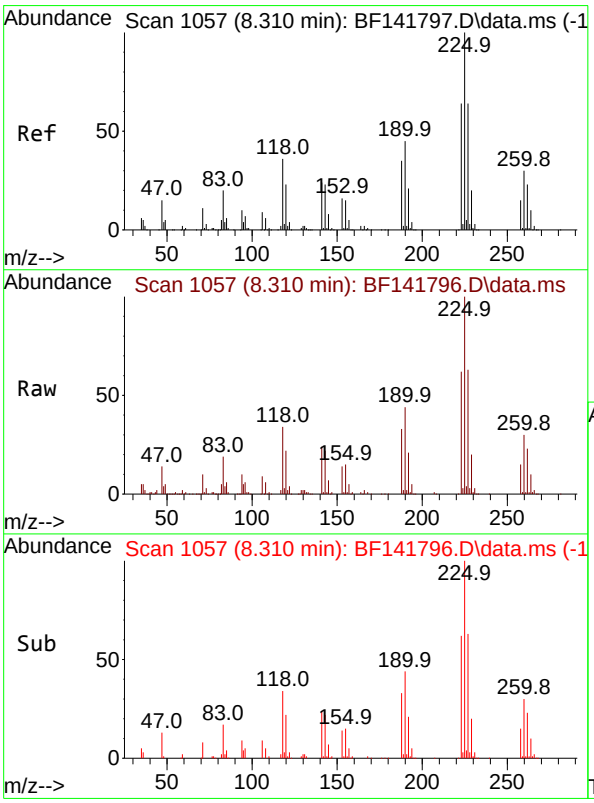
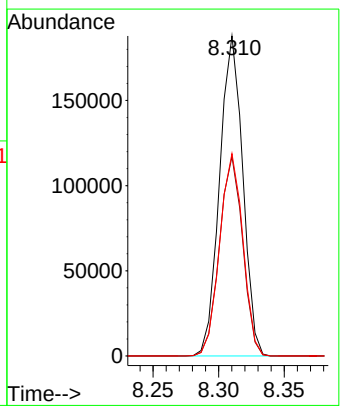
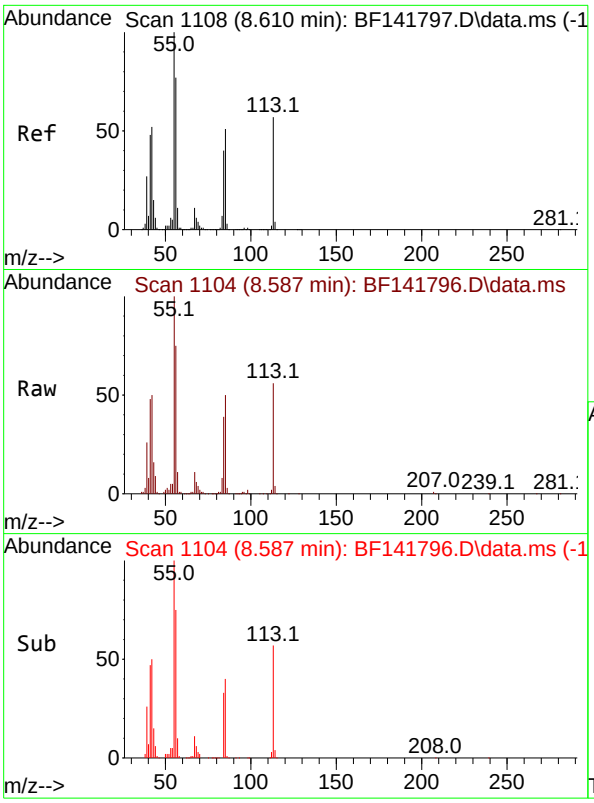


#34
Hexachlorobutadiene
Concen: 20.776 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:225 Resp: 230541

Ion	Ratio	Lower	Upper
225	100		
223	62.3	51.4	77.2
227	63.2	51.6	77.4





#35
Caprolactam
Concen: 20.521 ng
RT: 8.587 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:113 Resp: 10289

Ion	Ratio	Lower	Upper
113	100		
55	177.2	155.6	195.6
56	132.9	114.6	154.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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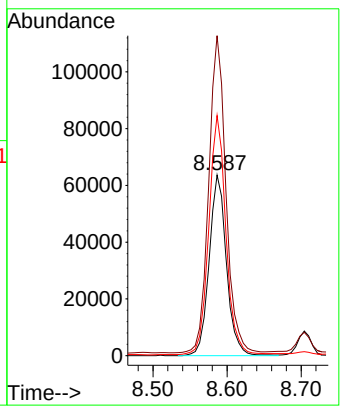
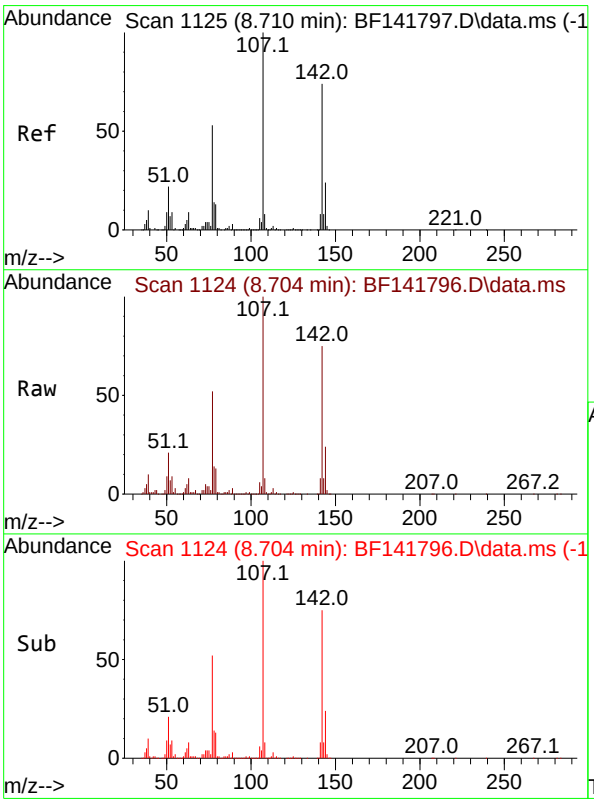
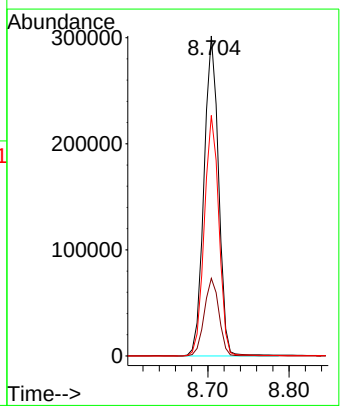


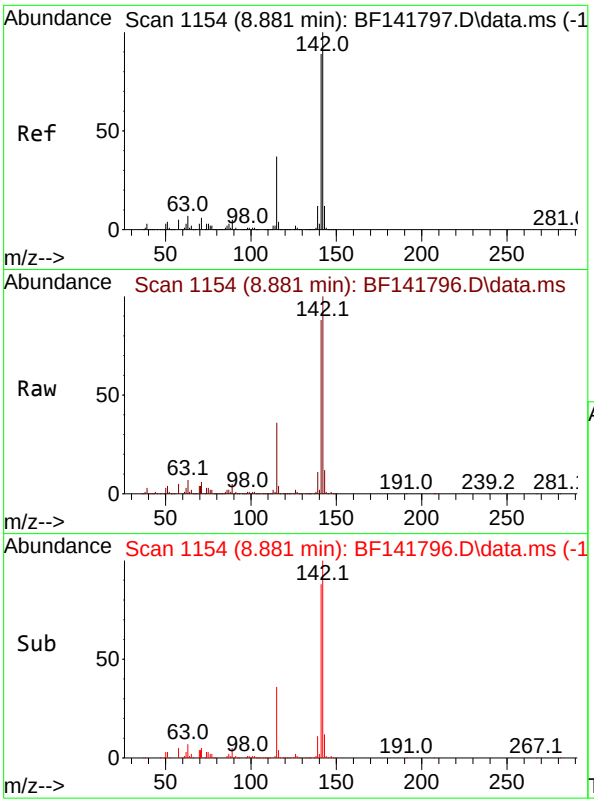


#36
4-Chloro-3-methylphenol
Concen: 20.776 ng
RT: 8.704 min Scan# 1124
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:107 Resp: 376094

Ion	Ratio	Lower	Upper
107	100		
144	24.3	19.4	29.0
142	75.1	59.4	89.0

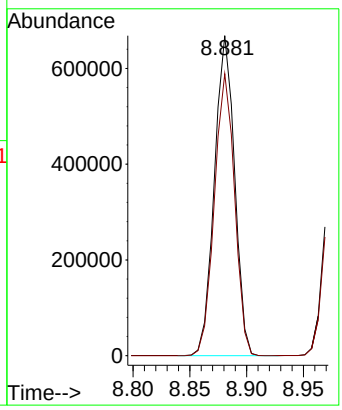




#37
2-Methylnaphthalene
Concen: 21.443 ng
RT: 8.881 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:142 Resp: 82649

Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.1	106.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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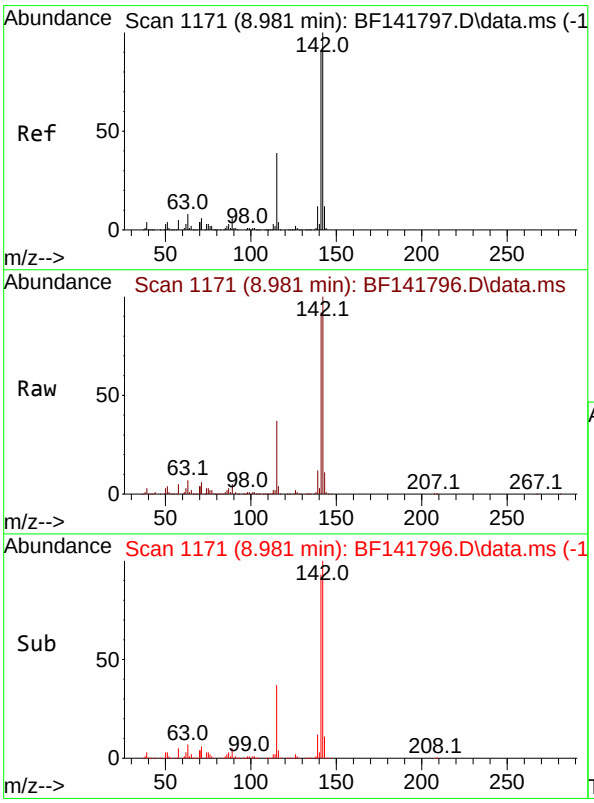
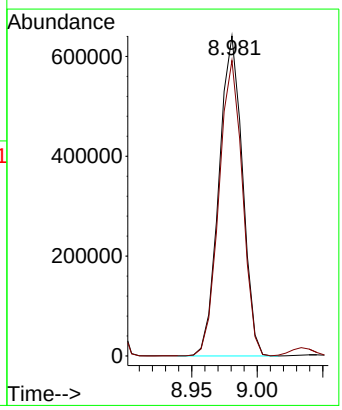
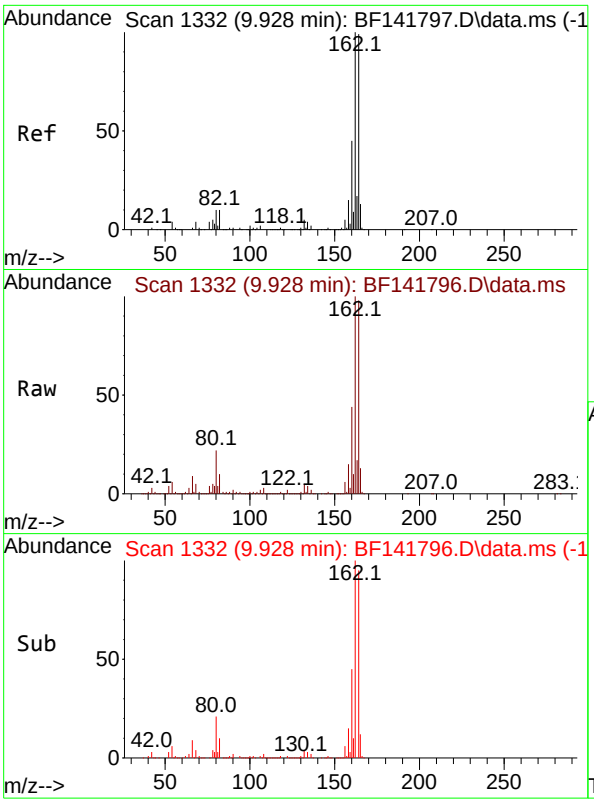


#38
1-Methylnaphthalene
Concen: 21.545 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:142 Resp: 796808

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.1	109.7

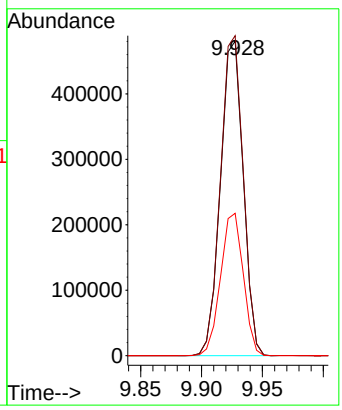




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:164 Resp: 62633

Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.6	120.8
160	45.3	36.3	54.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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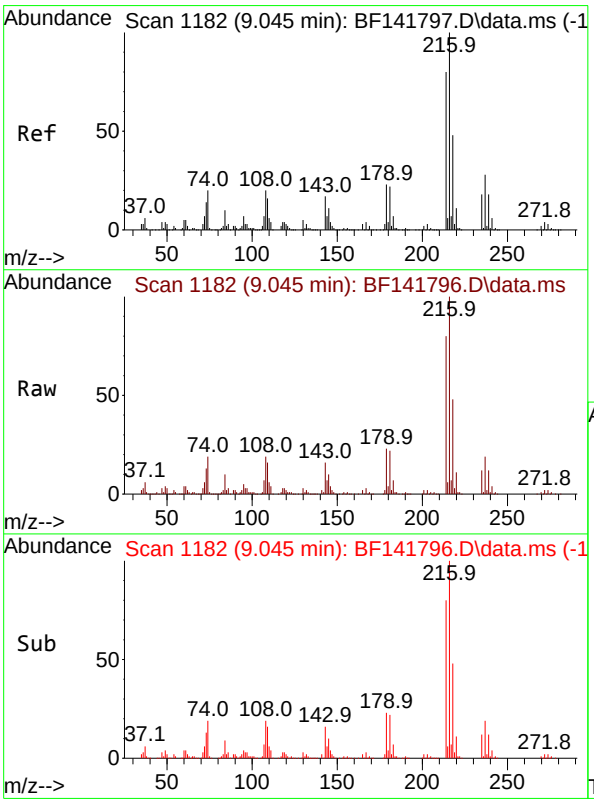
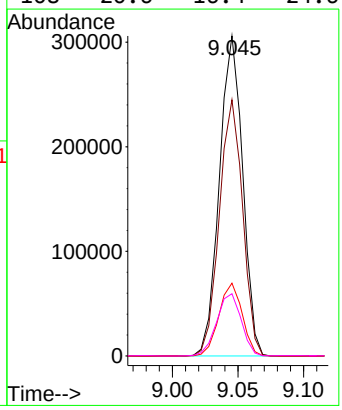
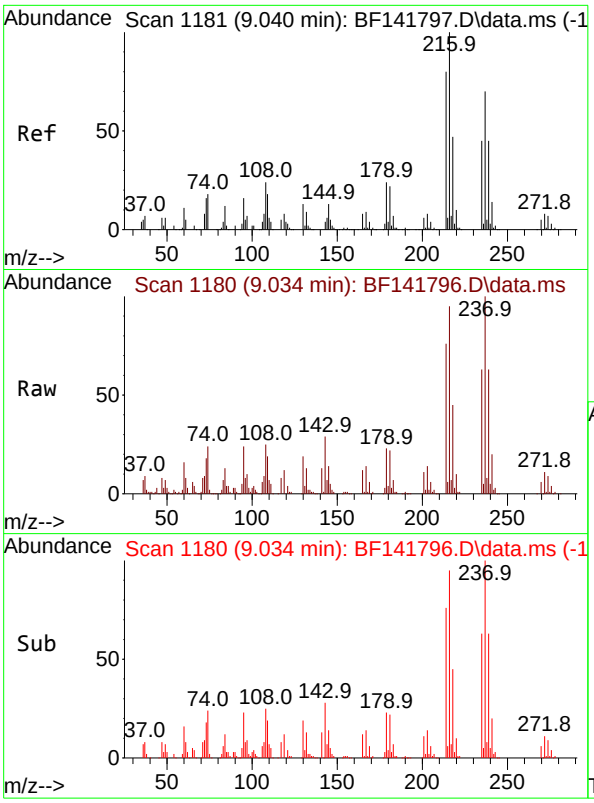


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.861 ng
RT: 9.045 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:216 Resp: 377360

Ion	Ratio	Lower	Upper
216	100		
214	80.0	63.5	95.3
179	22.8	18.1	27.1
108	20.6	16.4	24.6





#41
Hexachlorocyclopentadiene
Concen: 20.943 ng
RT: 9.034 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 15810

Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.3	83.3
272	11.4	0.0	31.9

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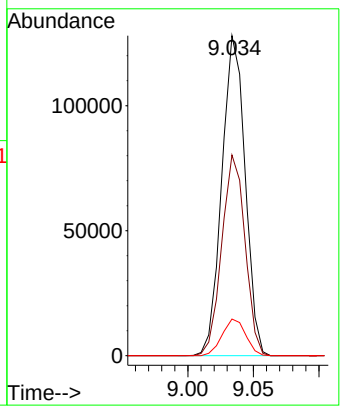
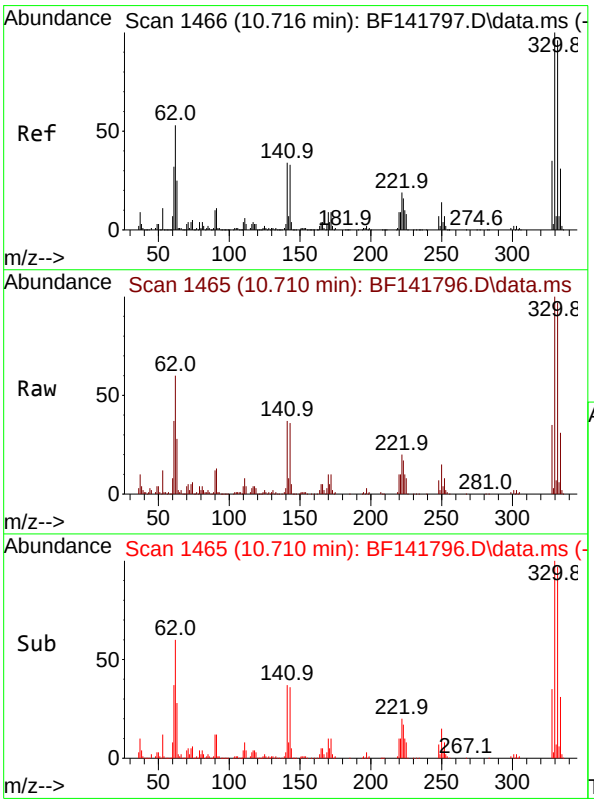
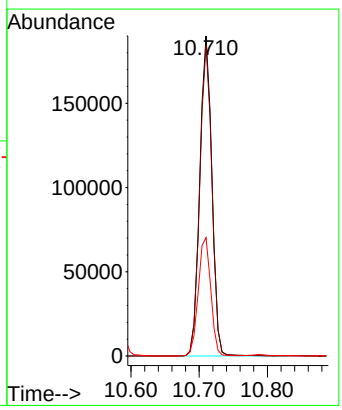


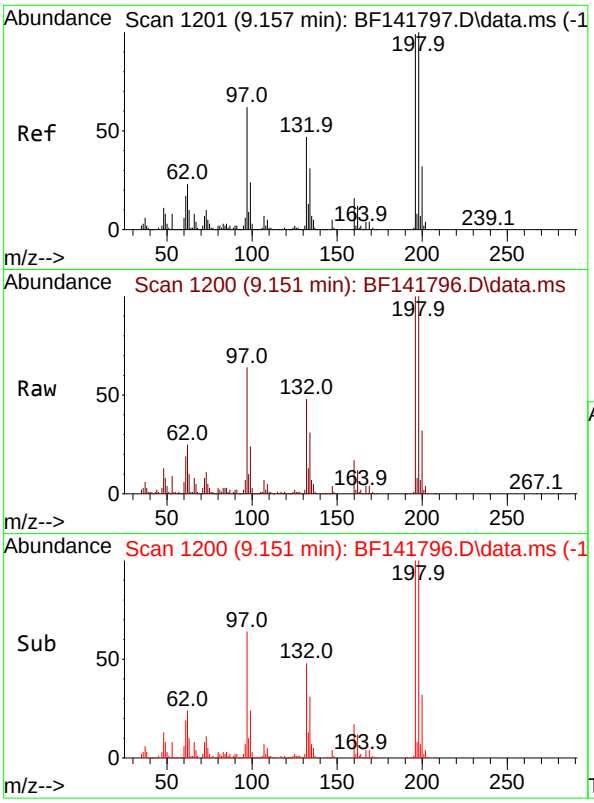


#42
2,4,6-Tribromophenol
Concen: 39.990 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:330 Resp: 235147

Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.6	115.0
141	38.3	29.0	43.4





#43
2,4,6-Trichlorophenol
Concen: 20.419 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:196 Resp: 23859

Ion	Ratio	Lower	Upper
196	100		
198	100.1	80.4	120.6
200	32.0	25.7	38.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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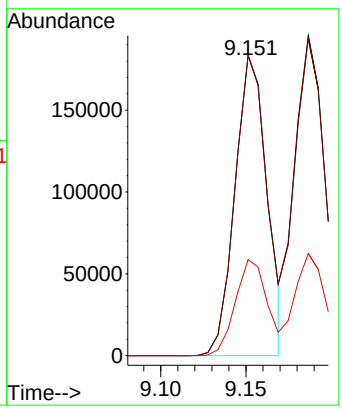
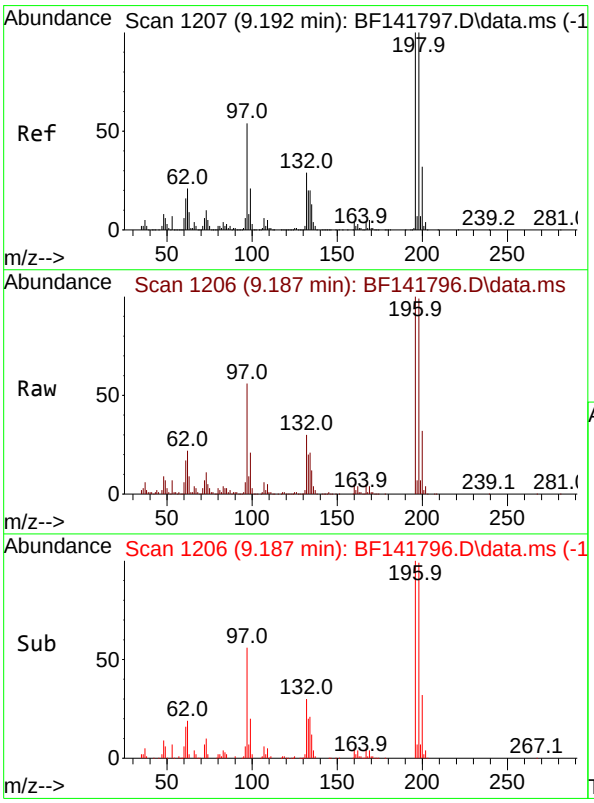
Supervised By :mohammad ahmed 02/28/2025

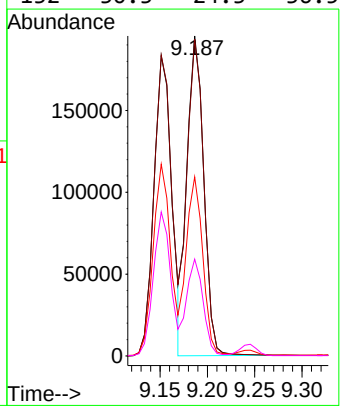


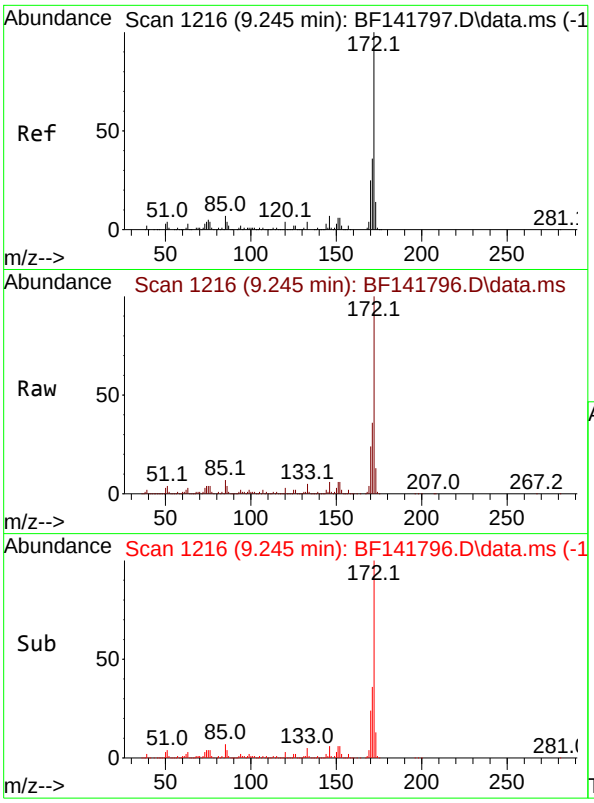


#44
2,4,5-Trichlorophenol
Concen: 20.976 ng
RT: 9.187 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:196 Resp: 242709

Ion	Ratio	Lower	Upper
196	100		
198	99.1	79.7	119.5
97	55.9	44.2	66.2
132	30.3	24.3	36.5

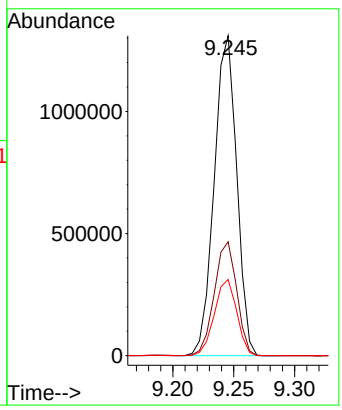




#45
2-Fluorobiphenyl
Concen: 43.170 ng
RT: 9.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:172 Resp: 168631

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.2	43.8
170	23.8	19.7	29.5



Instrument :
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ClientSampleId :
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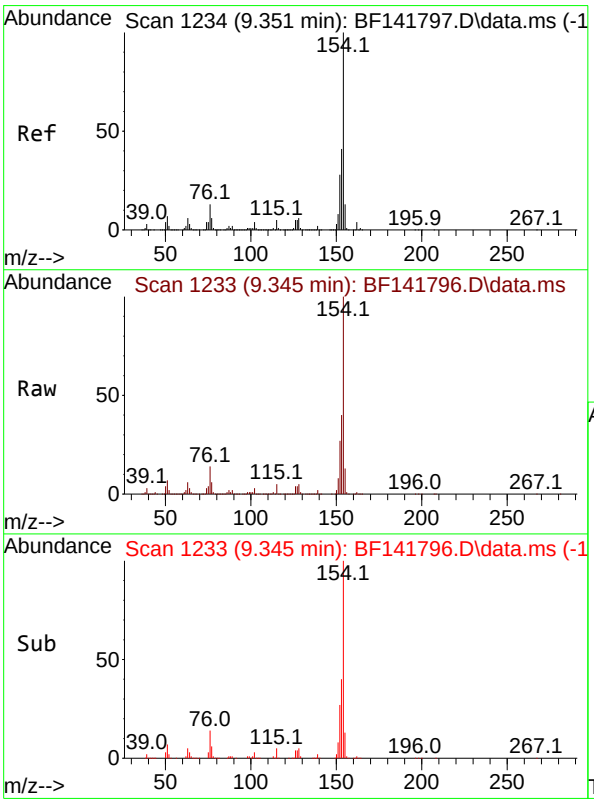
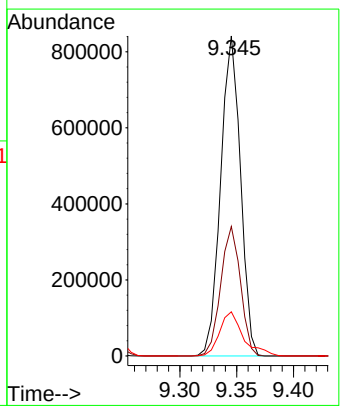
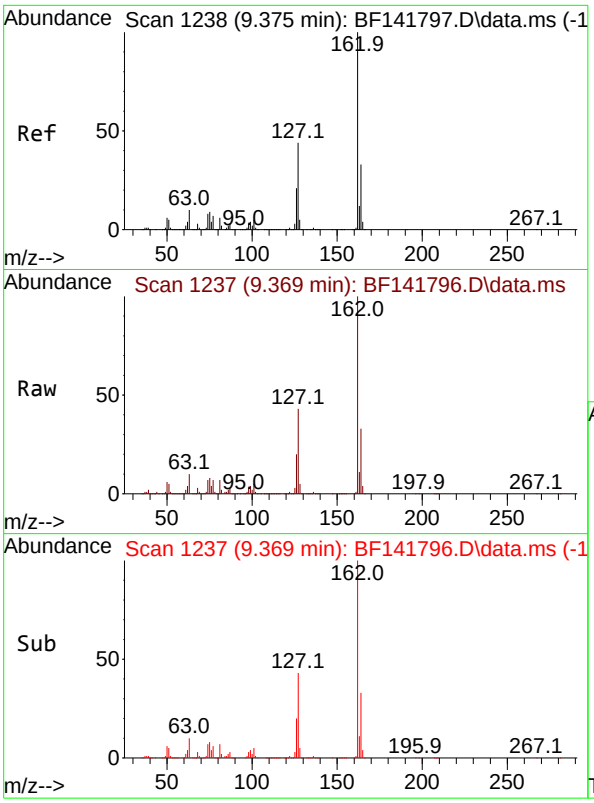


#46
1,1'-Biphenyl
Concen: 21.418 ng
RT: 9.345 min Scan# 1233
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:154 Resp: 1021081

Ion	Ratio	Lower	Upper
154	100		
153	40.4	21.4	61.4
76	13.8	0.0	33.4

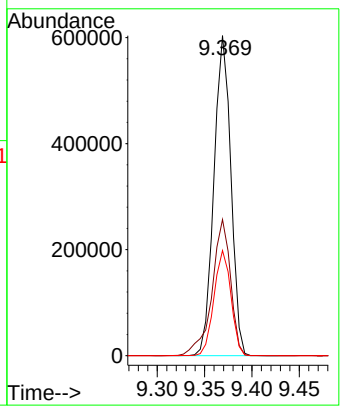




#47
2-Chloronaphthalene
Concen: 21.375 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:162 Resp: 75214

Ion	Ratio	Lower	Upper
162	100		
127	42.5	35.0	52.6
164	32.9	26.6	40.0



Instrument :
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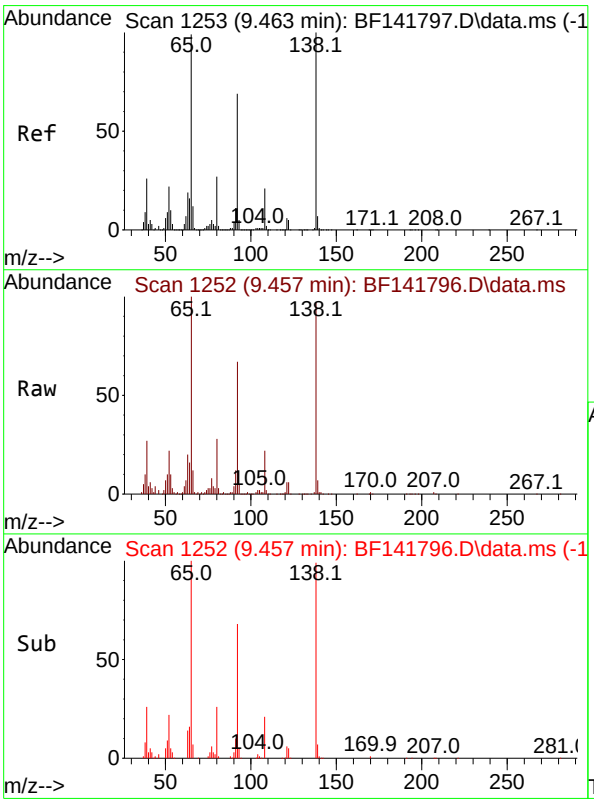
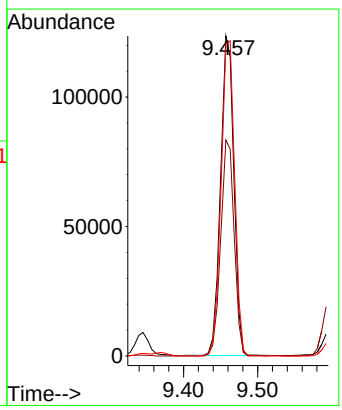
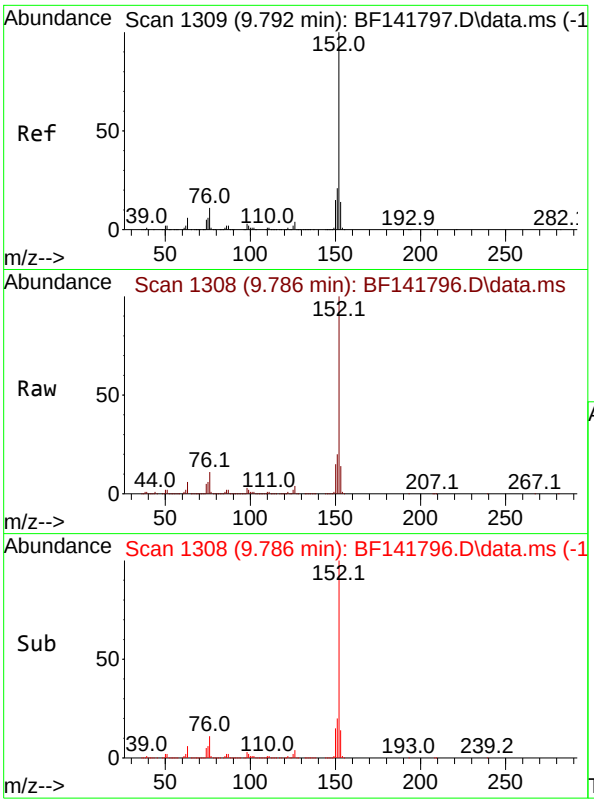


#48
2-Nitroaniline
Concen: 18.870 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 65 Resp: 153869

Ion	Ratio	Lower	Upper
65	100		
92	67.5	55.7	83.5
138	97.5	80.6	121.0

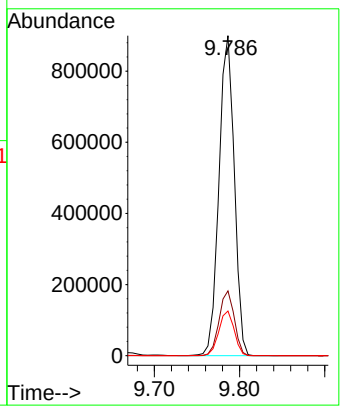




#49
Acenaphthylene
Concen: 21.349 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:152 Resp: 112630

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.6	24.8
153	13.9	11.2	16.8



Instrument :
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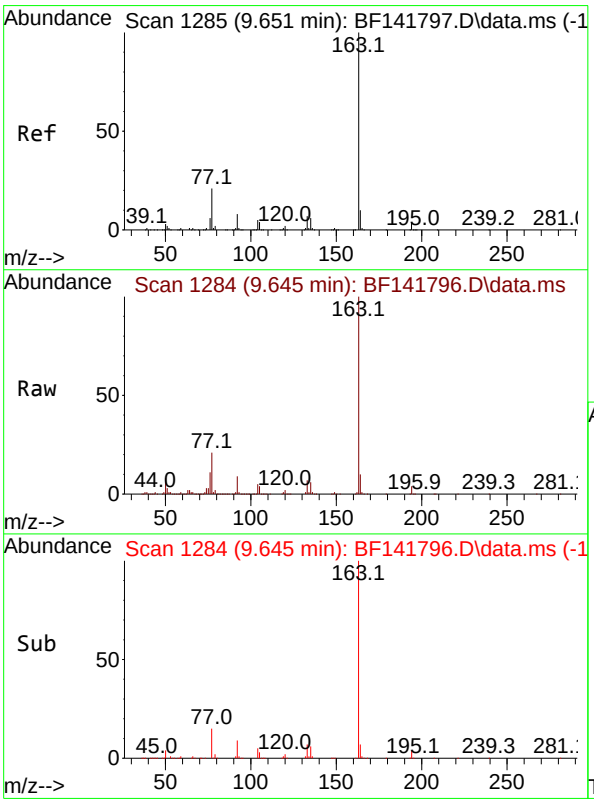
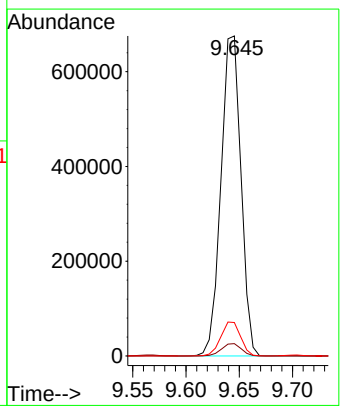
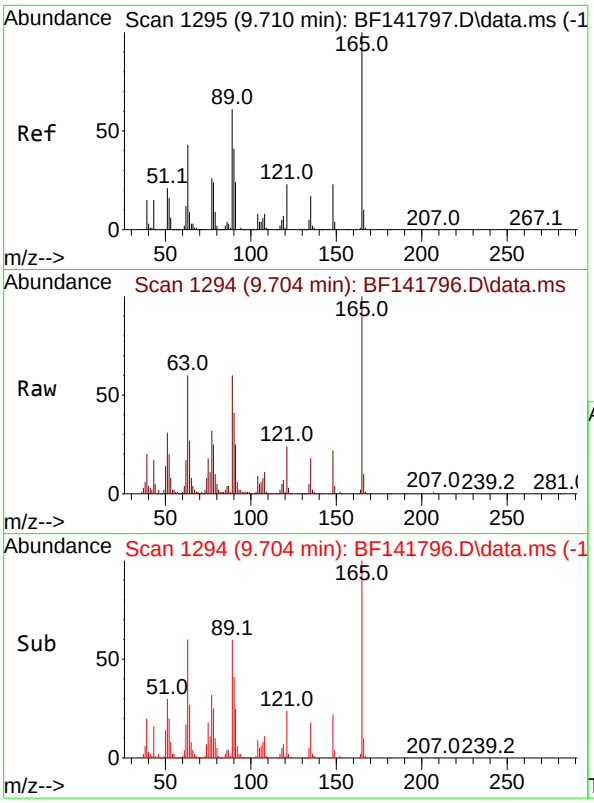


#50
Dimethylphthalate
Concen: 20.977 ng
RT: 9.645 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:163 Resp: 879870

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.4	8.4	12.6





#51
2,6-Dinitrotoluene
Concen: 19.796 ng
RT: 9.704 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:165 Resp: 14467

Ion	Ratio	Lower	Upper
165	100		
63	59.9	49.5	74.3
89	59.8	49.0	73.4

Instrument :
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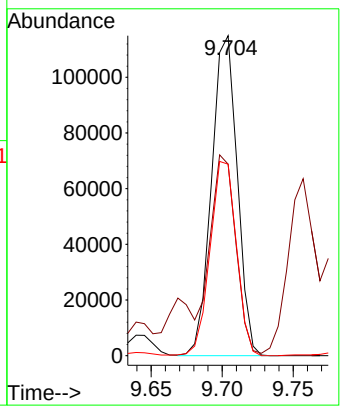
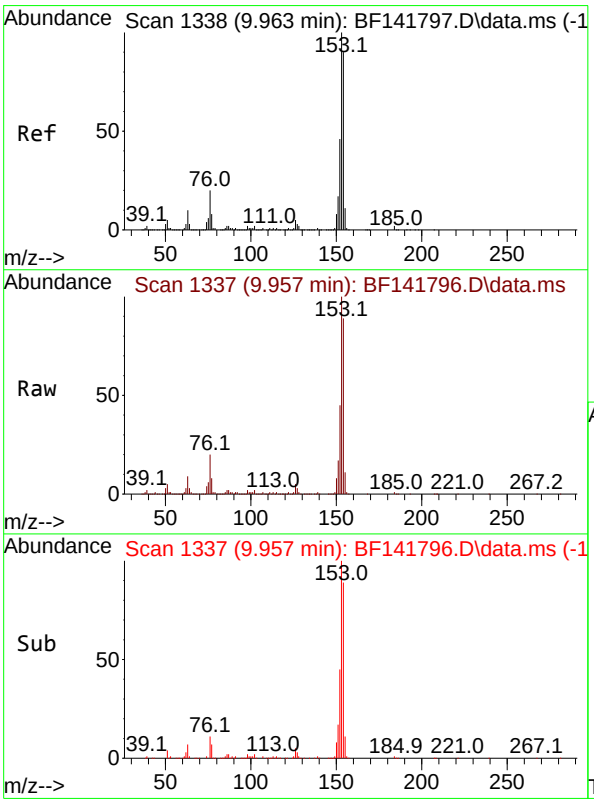
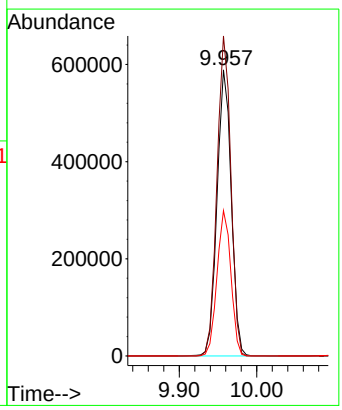


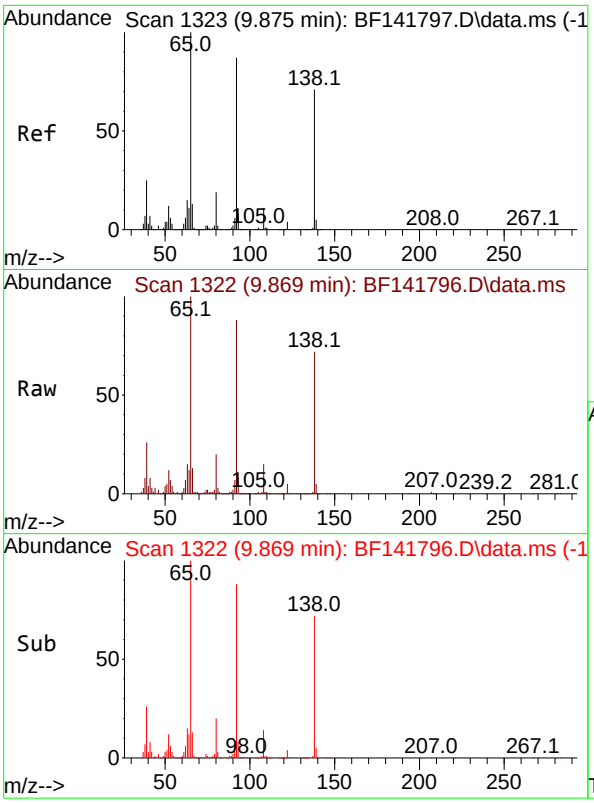


#52
Acenaphthene
Concen: 21.068 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:154 Resp: 749963

Ion	Ratio	Lower	Upper
154	100		
153	111.9	88.7	133.1
152	50.8	40.9	61.3





#53
3-Nitroaniline
Concen: 19.664 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:138 Resp: 15211

Ion	Ratio	Lower	Upper
138	100		
108	20.3	12.7	19.1#
92	122.3	97.9	146.9

Instrument :
BNA_F
ClientSampleId :
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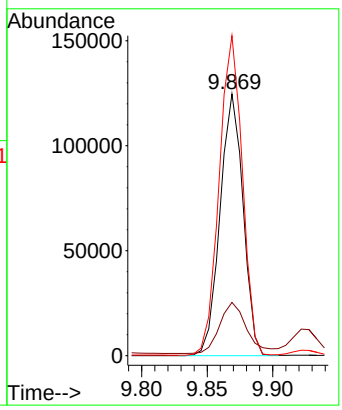
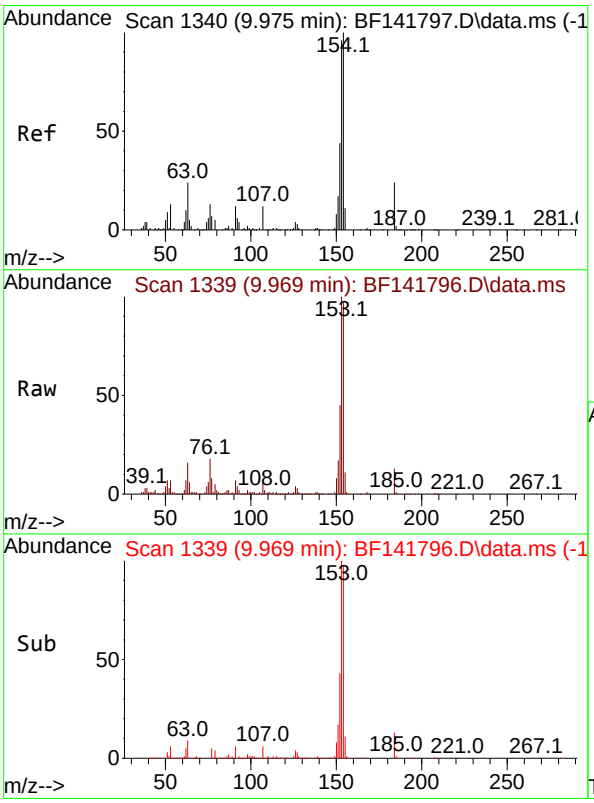
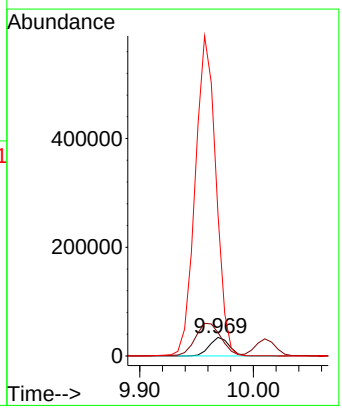


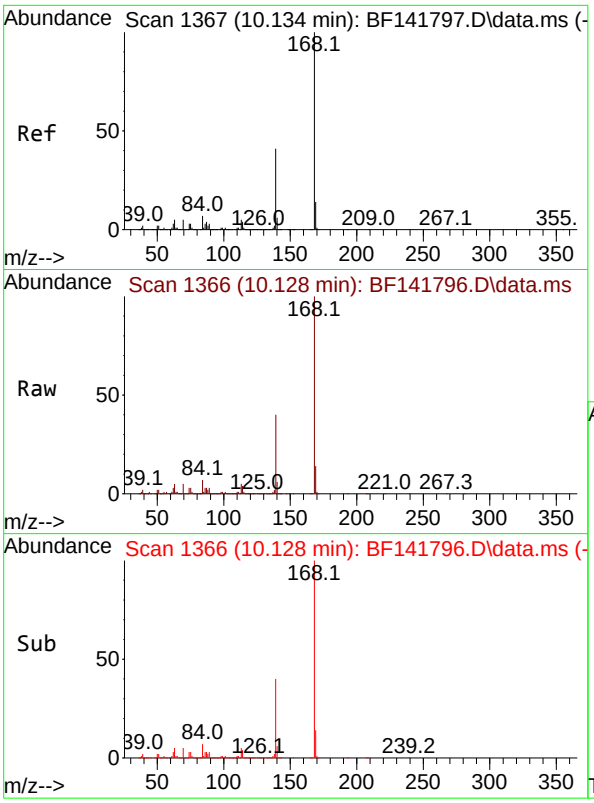


#54
2,4-Dinitrophenol
Concen: 19.116 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:184 Resp: 41521

Ion	Ratio	Lower	Upper
184	100		
63	125.2	79.0	118.6#
154	760.8	335.8	503.8#

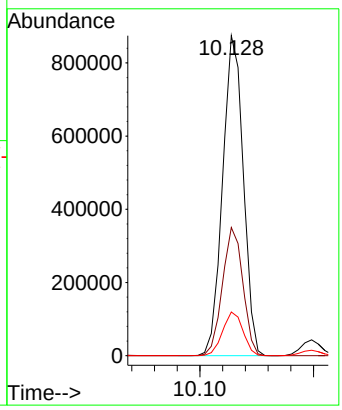




#55
Dibenzofuran
Concen: 21.332 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:168 Resp: 110527

Ion	Ratio	Lower	Upper
168	100		
139	40.1	32.9	49.3
169	13.6	11.1	16.7



Instrument :
BNA_F
ClientSampleId :
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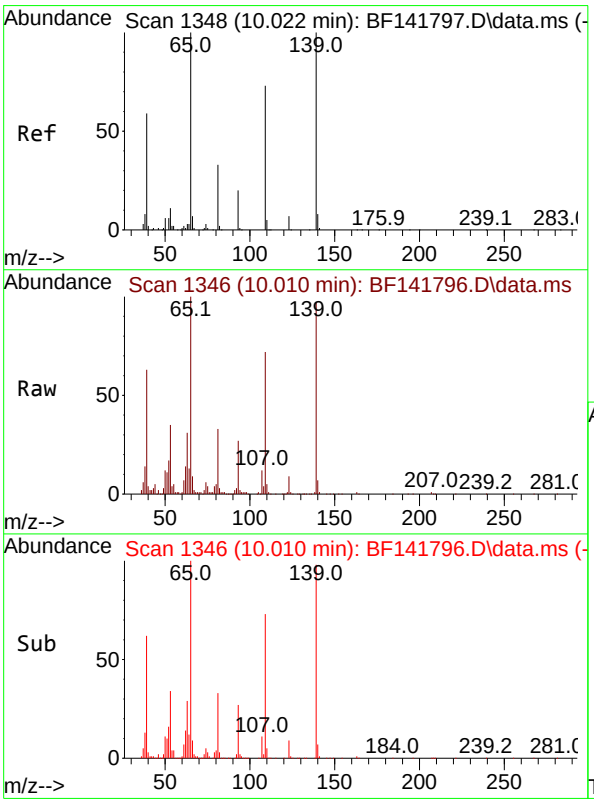
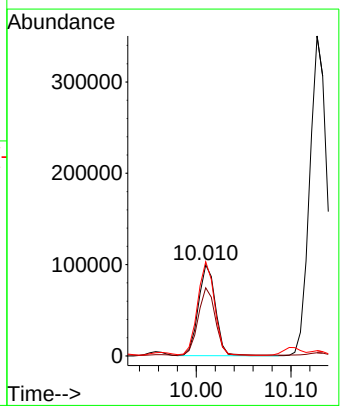
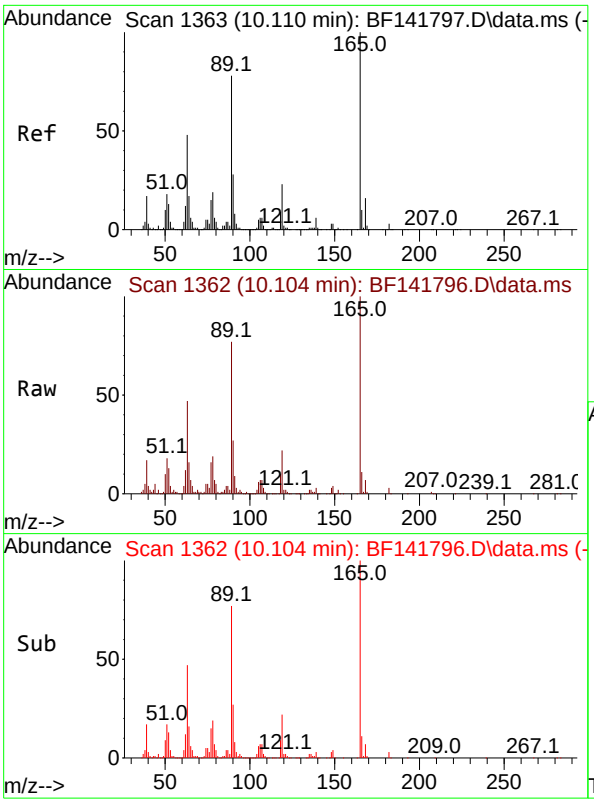


#56
4-Nitrophenol
Concen: 19.922 ng
RT: 10.010 min Scan# 1346
Delta R.T. -0.012 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:139 Resp: 123415

Ion	Ratio	Lower	Upper
139	100		
109	74.8	53.4	93.4
65	103.5	82.1	122.1

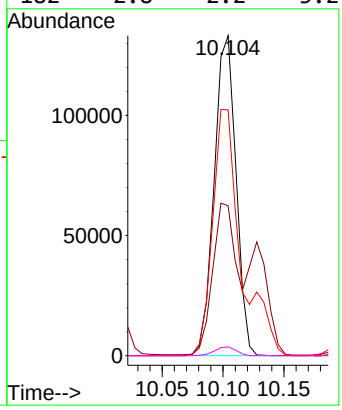




#57
2,4-Dinitrotoluene
Concen: 19.214 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:165 Resp: 16594

Ion	Ratio	Lower	Upper
165	100		
63	46.9	38.8	58.2
89	76.8	62.6	94.0
182	2.8	2.2	3.2



Instrument :
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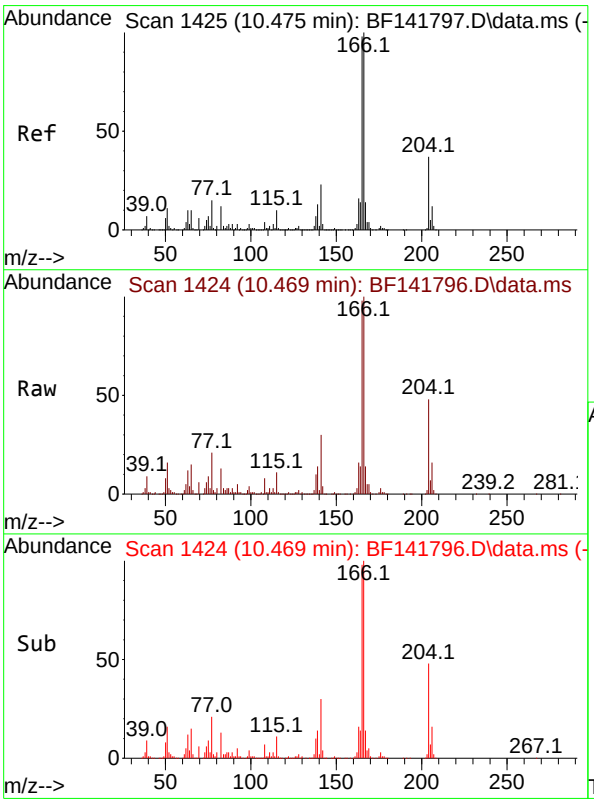
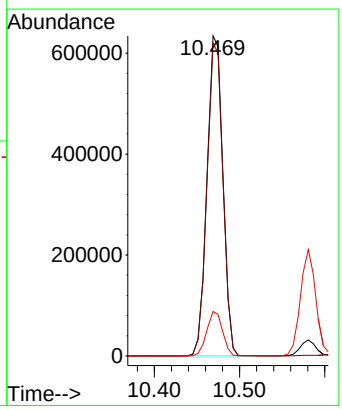
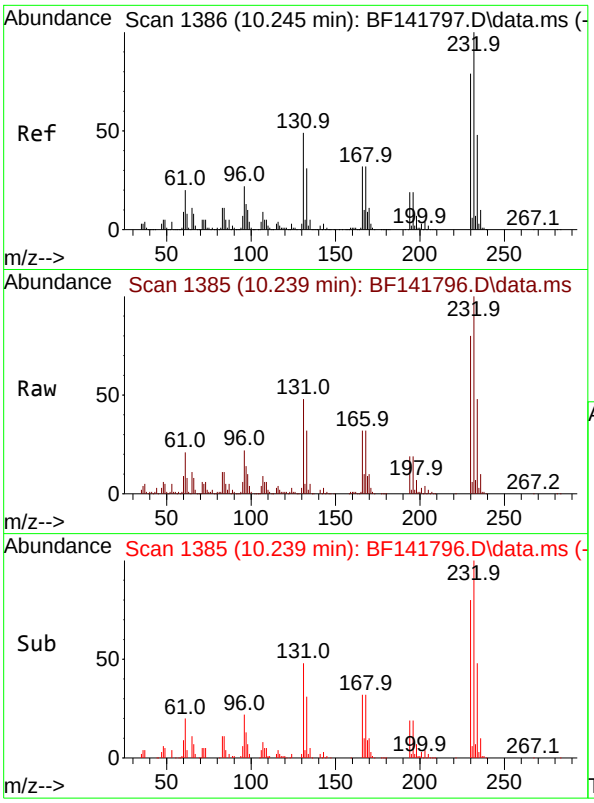


#58
Fluorene
Concen: 21.187 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:166 Resp: 822264

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.6	117.8
167	13.9	11.0	16.4

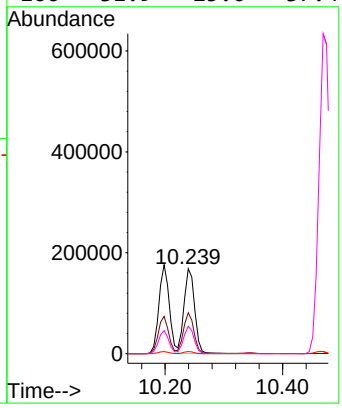




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.902 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:232 Resp: 21033

Ion	Ratio	Lower	Upper
232	100		
131	47.6	37.8	56.8
130	2.5	2.0	3.0
166	31.9	25.0	37.4



Instrument :
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ClientSampleId :
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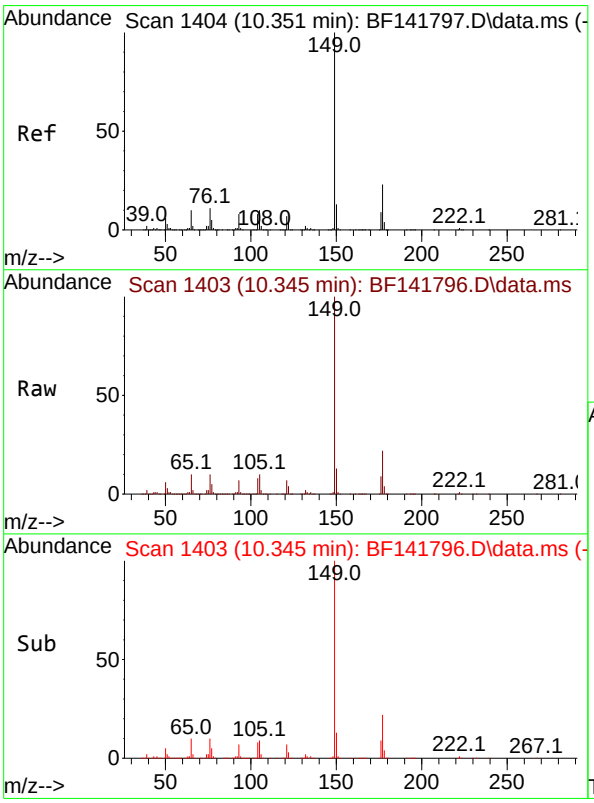
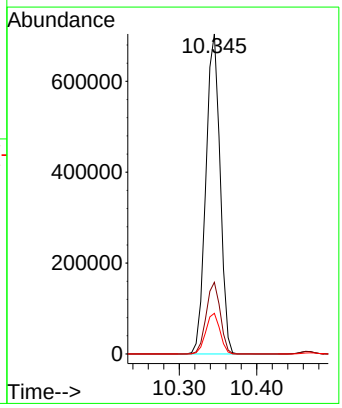
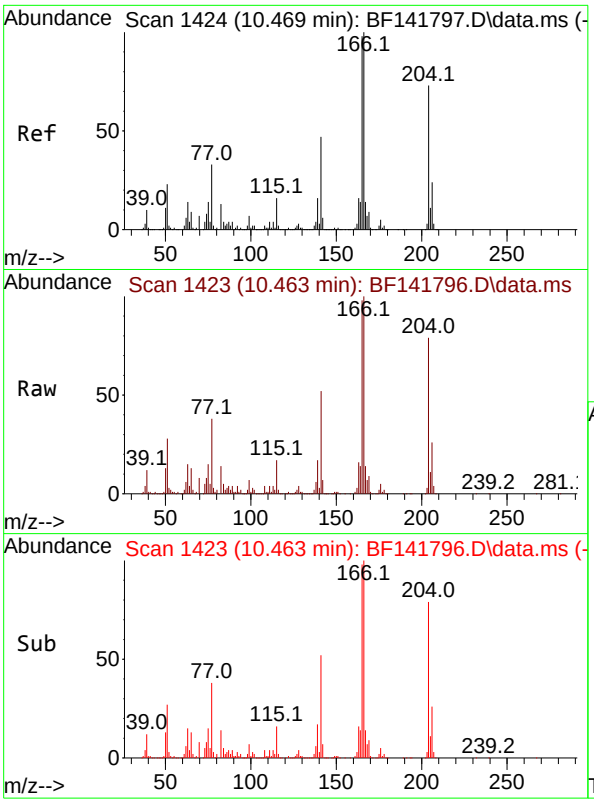


#60
Diethylphthalate
Concen: 21.264 ng
RT: 10.345 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:149 Resp: 894118

Ion	Ratio	Lower	Upper
149	100		
177	22.4	18.3	27.5
150	12.7	10.3	15.5

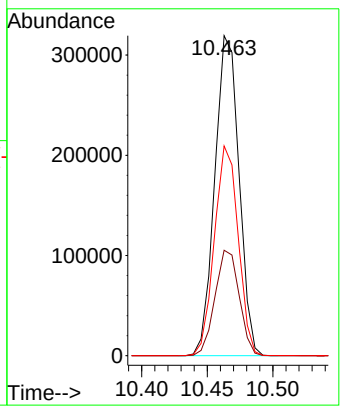




#61
4-Chlorophenyl-phenylether
Concen: 21.069 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:204 Resp: 40969

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.2	39.4
141	65.6	51.7	77.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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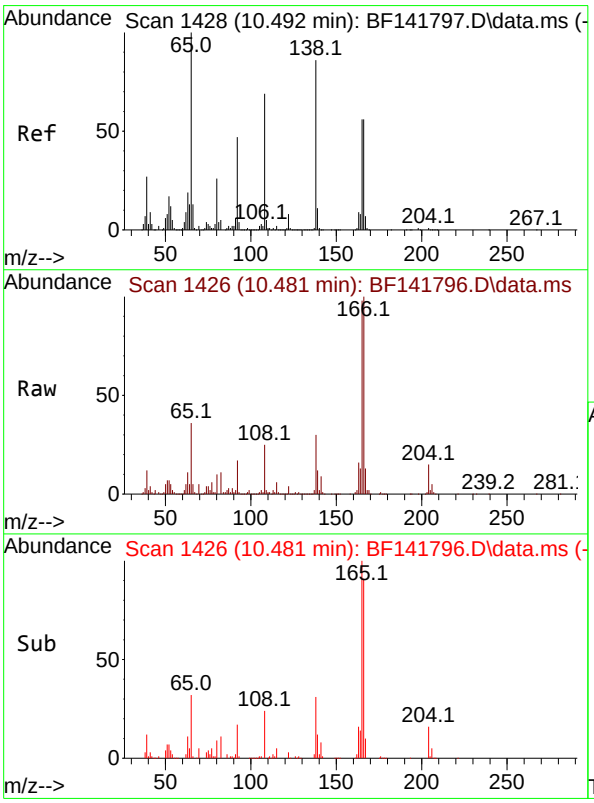
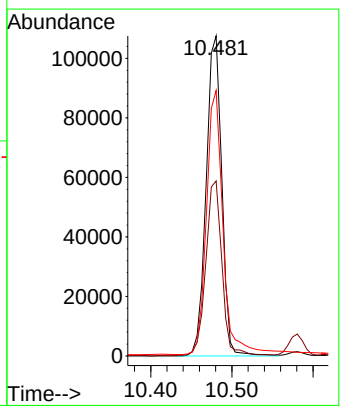
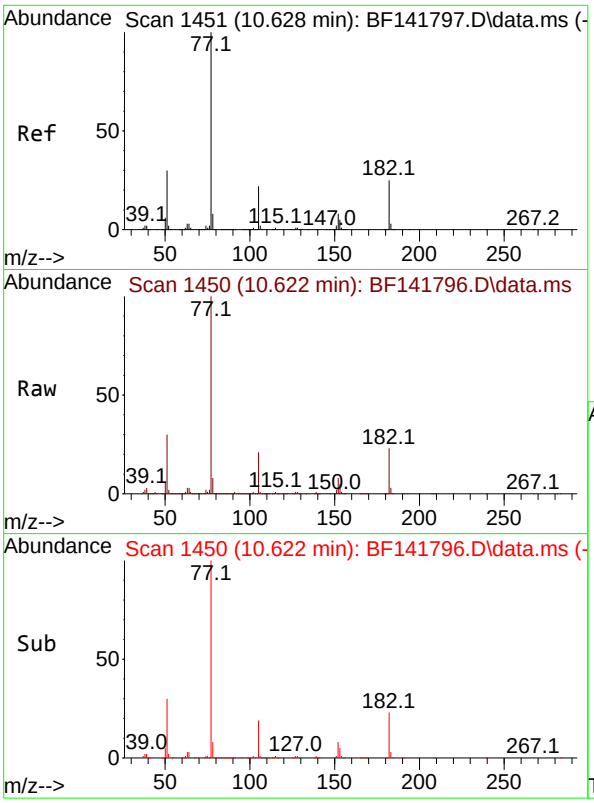


#62
4-Nitroaniline
Concen: 20.031 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:138 Resp: 143482

Ion	Ratio	Lower	Upper
138	100		
92	54.7	34.9	74.9
108	82.9	59.6	99.6

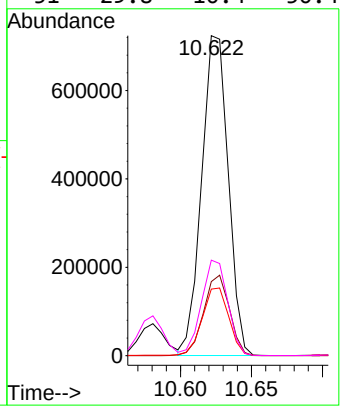




#63
Azobenzene
Concen: 21.288 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 77 Resp: 942499

Ion	Ratio	Lower	Upper
77	100		
182	23.2	4.2	44.2
105	20.8	1.5	41.5
51	29.8	10.4	50.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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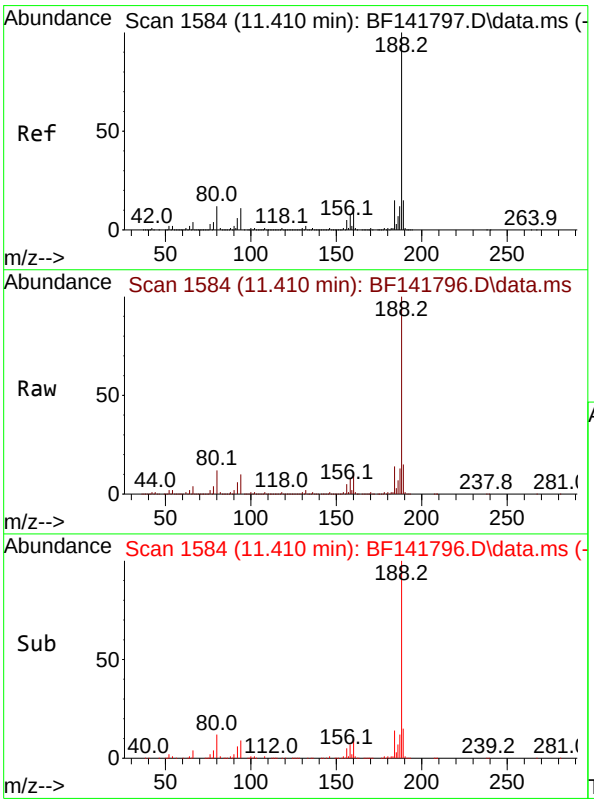
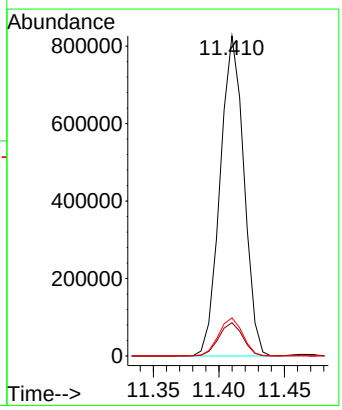
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

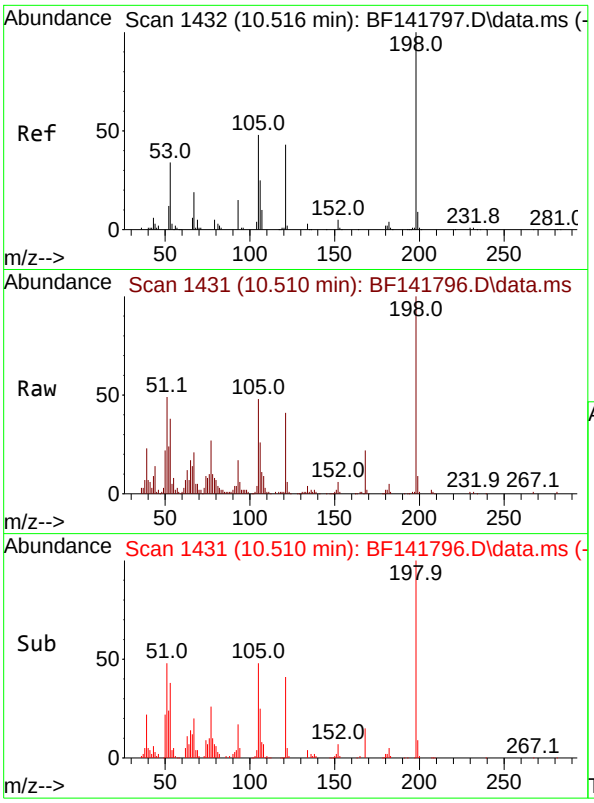


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:188 Resp: 1041715

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.9	13.3
80	11.9	9.7	14.5





#65
4,6-Dinitro-2-methylphenol
Concen: 19.161 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:198 Resp: 6516

Ion	Ratio	Lower	Upper
198	100		
51	48.7	32.1	72.1
105	47.9	28.5	68.5

Instrument :
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ClientSampleId :
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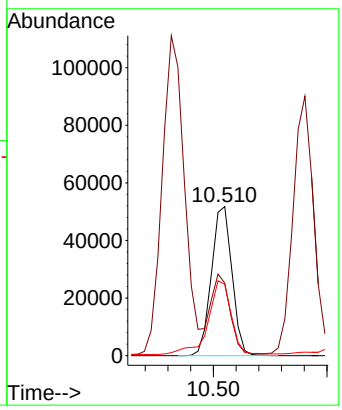
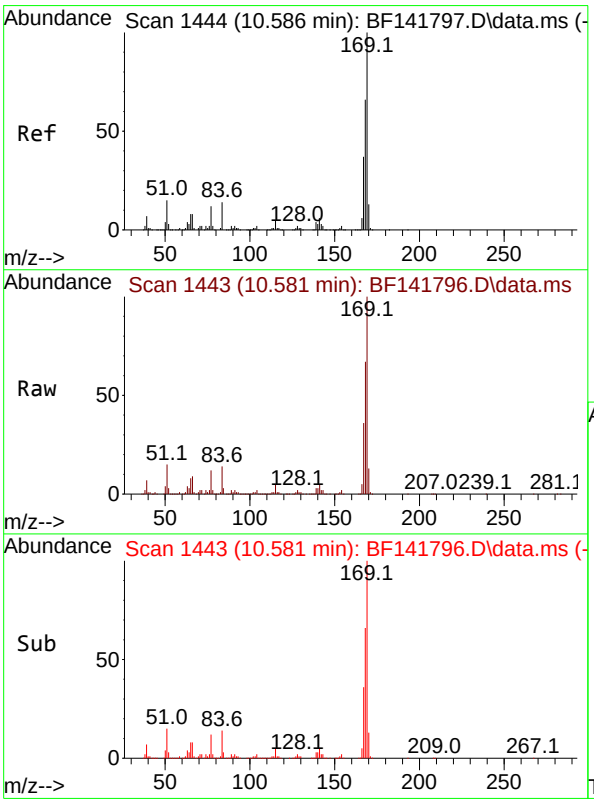
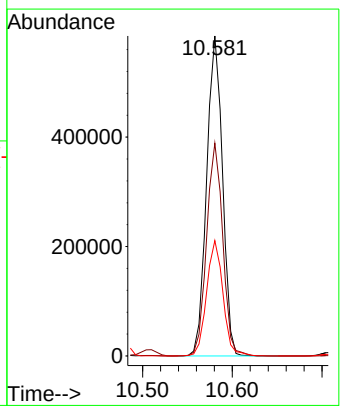


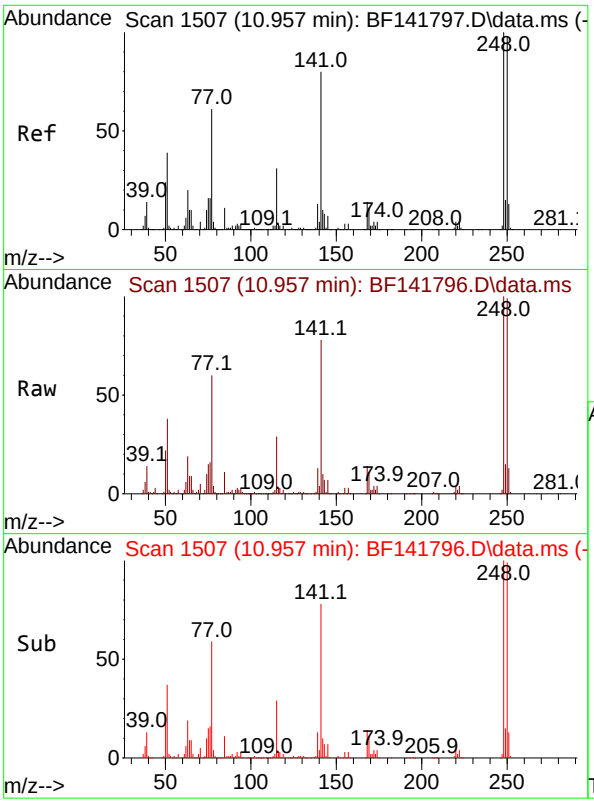


#66
n-Nitrosodiphenylamine
Concen: 20.977 ng
RT: 10.581 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:169 Resp: 717531

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.0	79.6
167	36.0	29.3	43.9

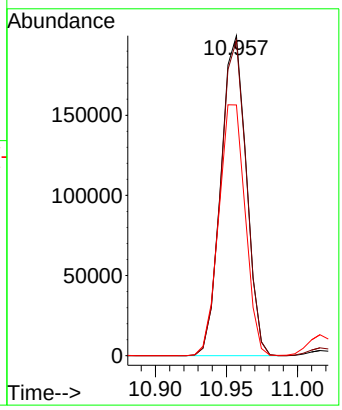




#67
4-Bromophenyl-phenylether
Concen: 20.423 ng
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:248 Resp: 24850

Ion	Ratio	Lower	Upper
248	100		
250	98.6	78.1	117.1
141	78.3	64.3	96.5



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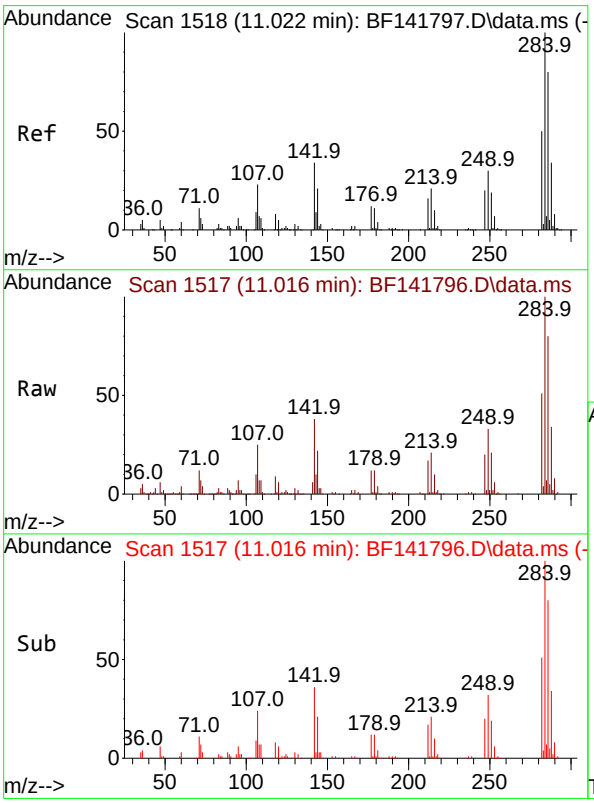
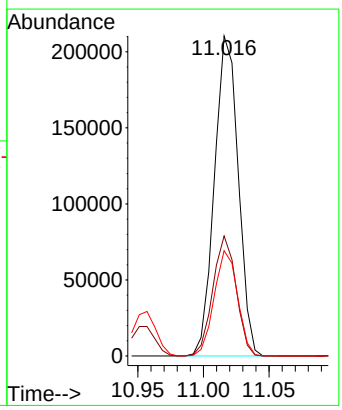
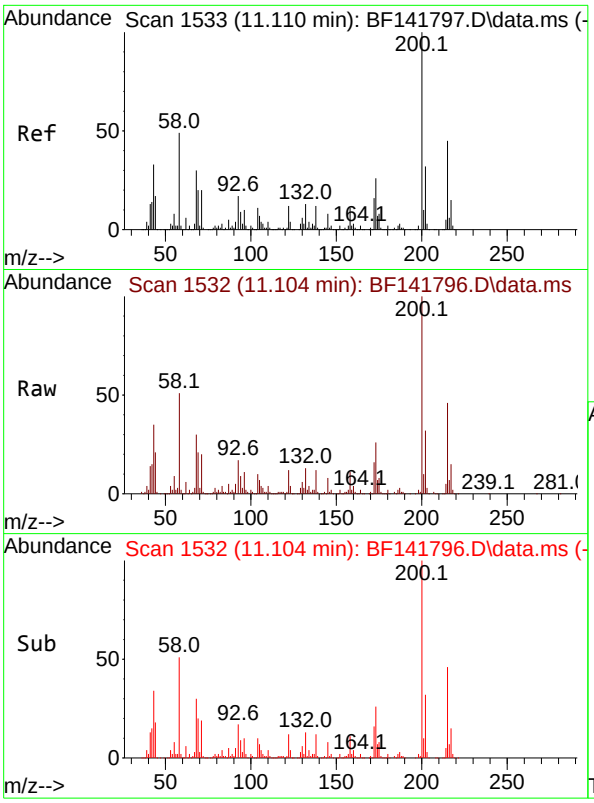


#68
Hexachlorobenzene
Concen: 20.653 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:284 Resp: 265367

Ion	Ratio	Lower	Upper
284	100		
142	37.5	28.2	42.2
249	32.9	25.5	38.3





#69
Atrazine
Concen: 21.680 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:200 Resp: 20393

Ion	Ratio	Lower	Upper
200	100		
173	25.7	5.6	45.6
215	45.8	25.3	65.3

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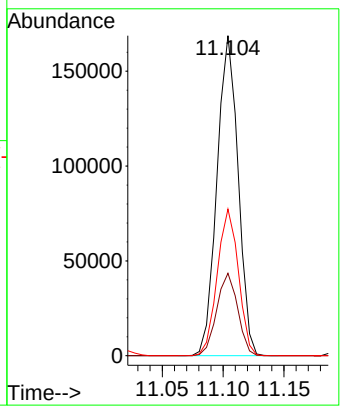
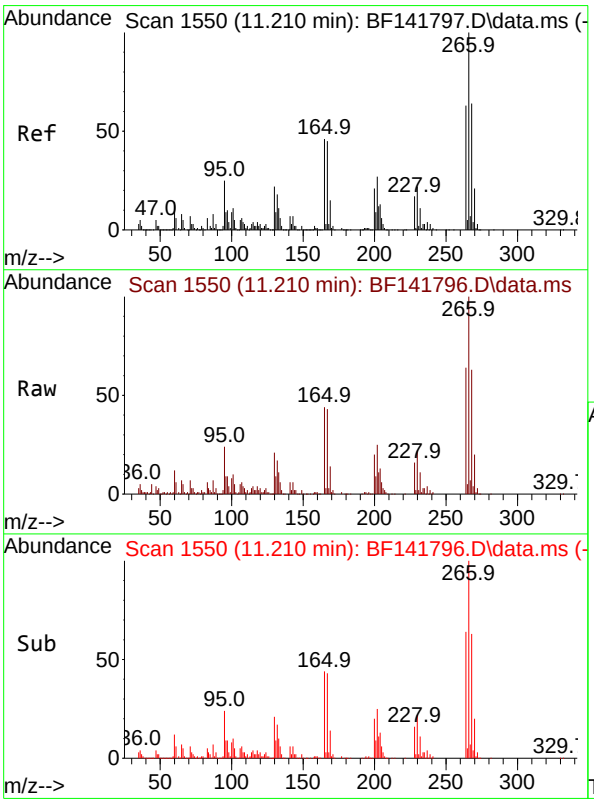
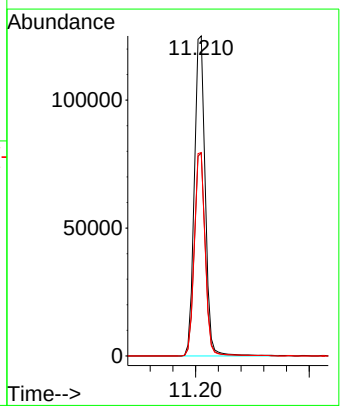


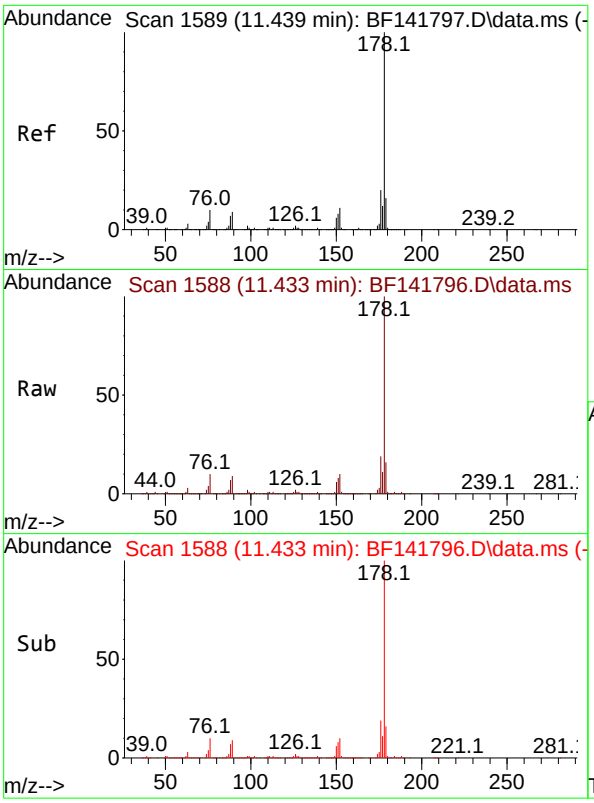


#70
Pentachlorophenol
Concen: 20.521 ng
RT: 11.210 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:266 Resp: 167231

Ion	Ratio	Lower	Upper
266	100		
268	63.5	50.9	76.3
264	63.6	50.2	75.4

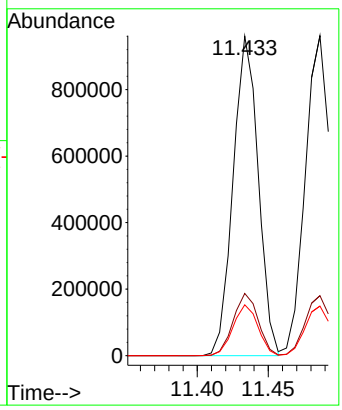




#71
Phenanthrene
Concen: 21.209 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:178 Resp: 118176

Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.0	24.0
179	15.9	12.6	19.0



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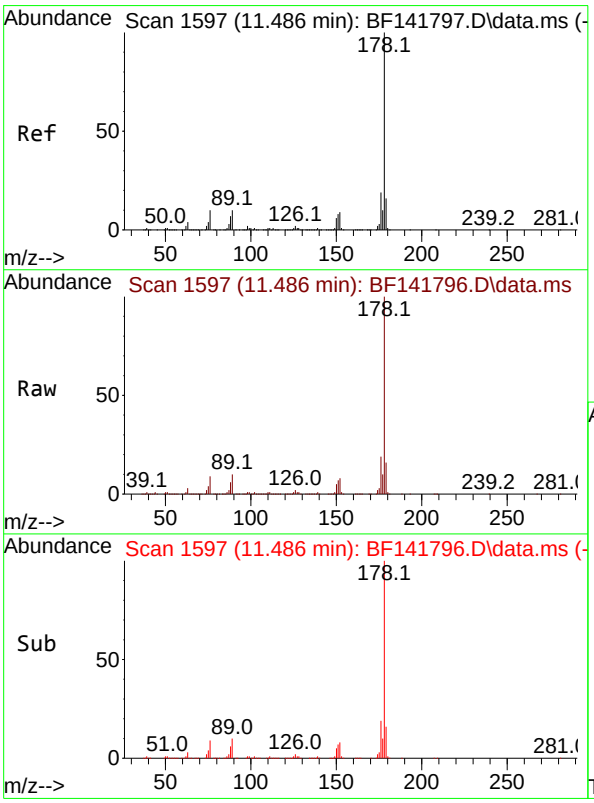
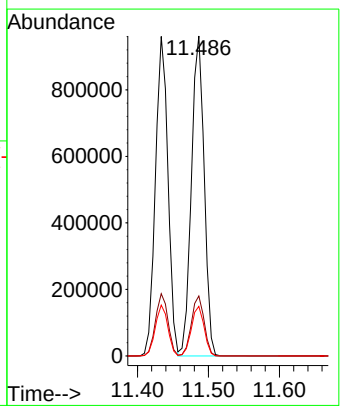
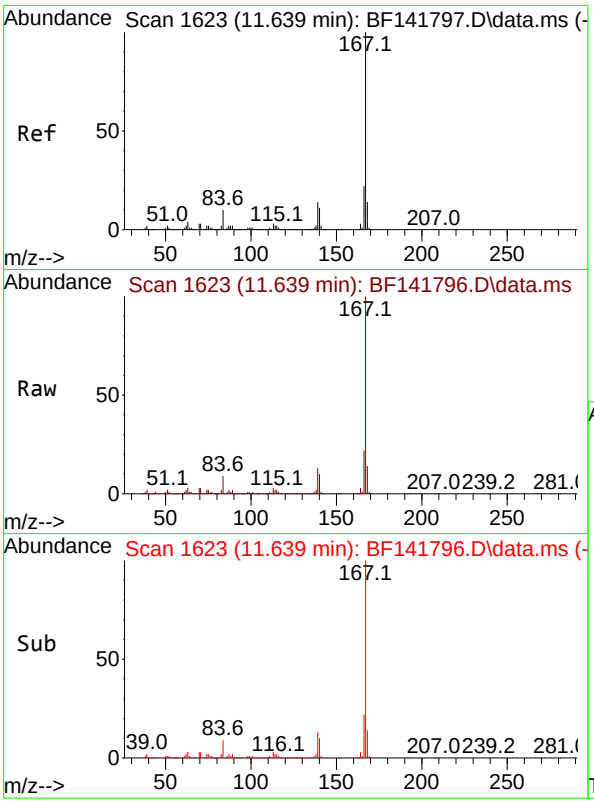


#72
Anthracene
Concen: 21.554 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:178 Resp: 1203701

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.5	12.8	19.2

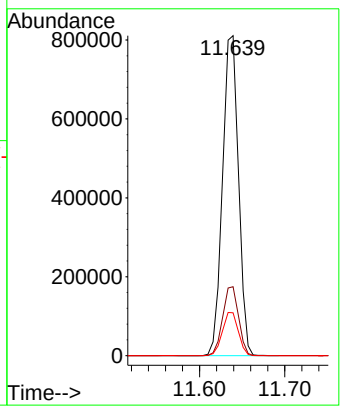




#73
Carbazole
Concen: 21.416 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:167 Resp: 105614

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.5	26.3
139	13.4	11.3	16.9



Instrument :
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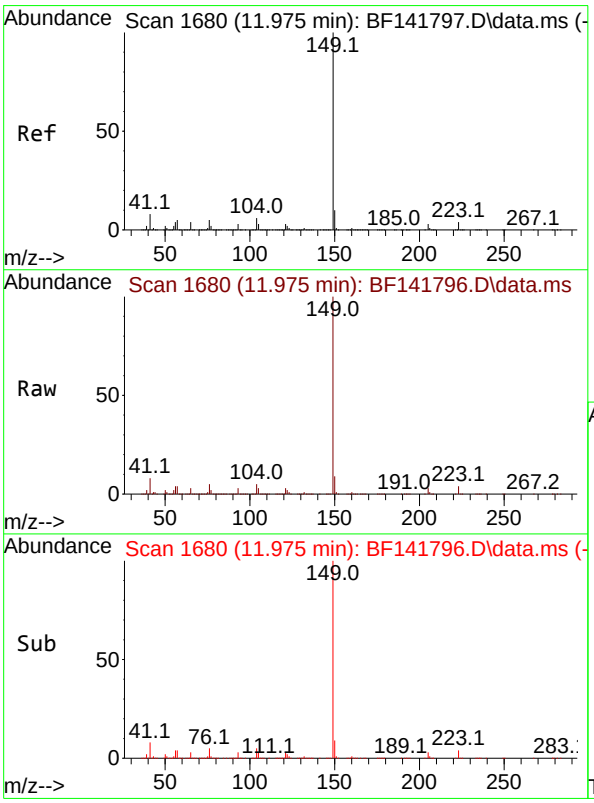
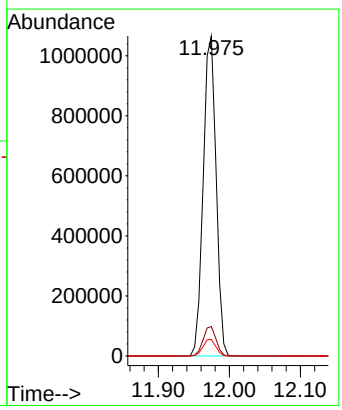
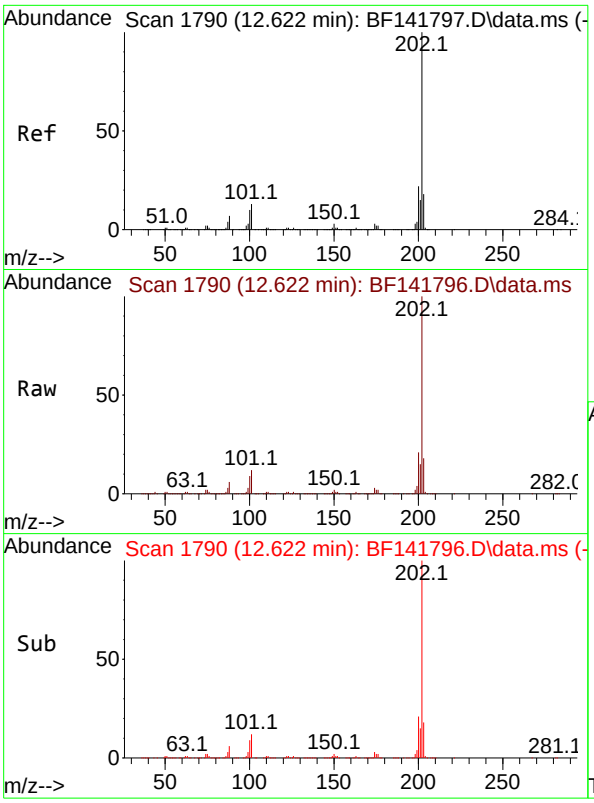


#74
Di-n-butylphthalate
Concen: 21.518 ng
RT: 11.975 min Scan# 1680
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:149 Resp: 1345098

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.7	11.5
104	5.2	4.4	6.6

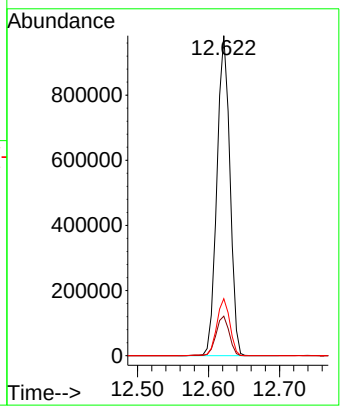




#75
Fluoranthene
Concen: 21.753 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:202 Resp: 124203

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	32.8
203	17.8	0.0	38.0



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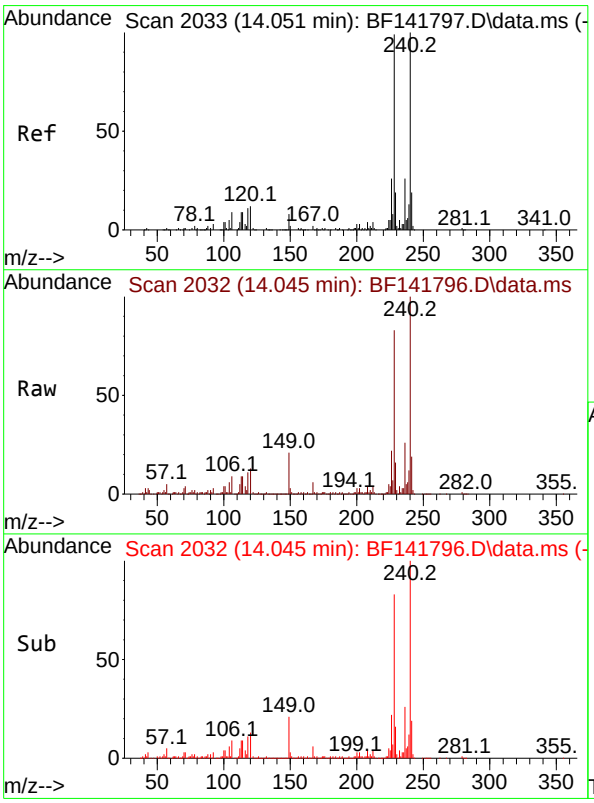
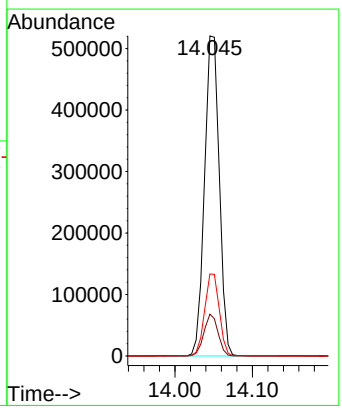
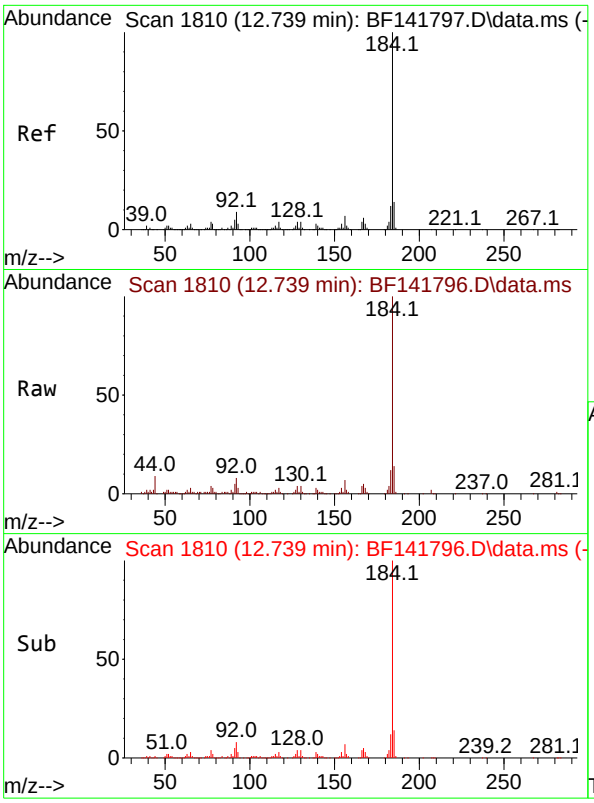


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:240 Resp: 688606

Ion	Ratio	Lower	Upper
240	100		
120	13.1	9.7	14.5
236	25.6	21.0	31.4

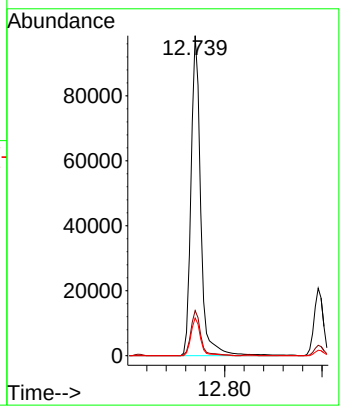




#77
Benzidine
Concen: 15.752 ng
RT: 12.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:184 Resp: 13652

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.6	17.4
183	11.8	9.4	14.0



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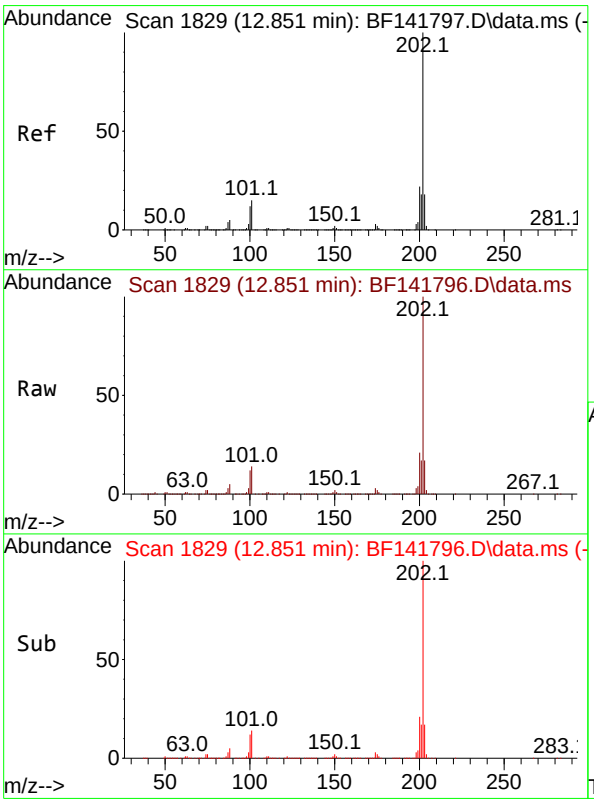
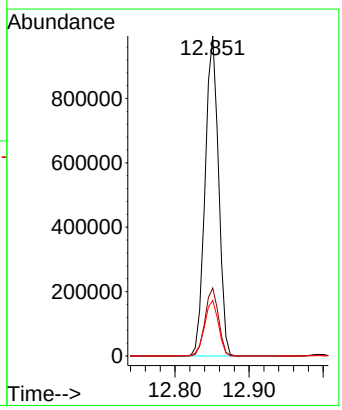
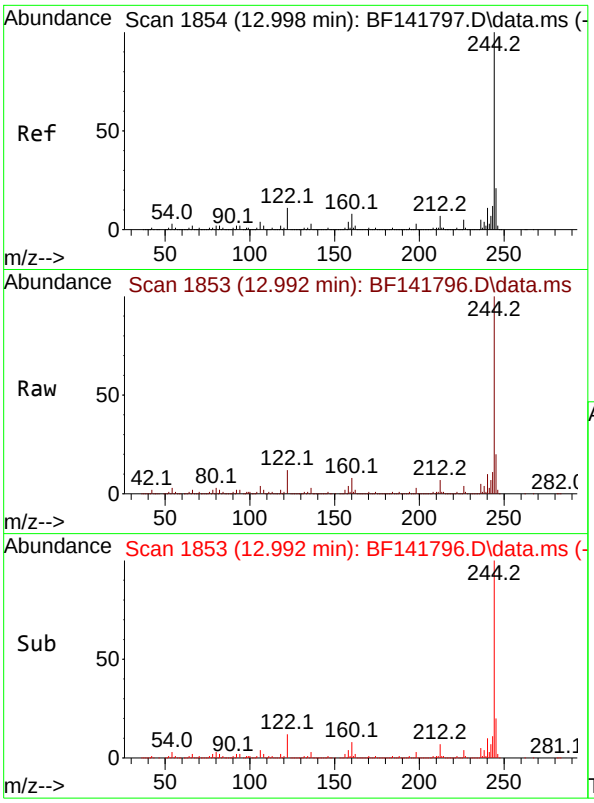


#78
Pyrene
Concen: 20.957 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:202 Resp: 1249647

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.0
203	17.4	14.6	22.0

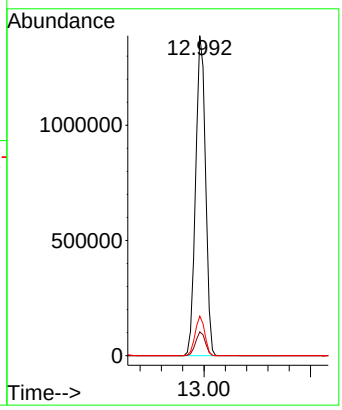




#79
Terphenyl-d14
Concen: 41.959 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:244 Resp: 178580

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	12.4	9.0	13.6



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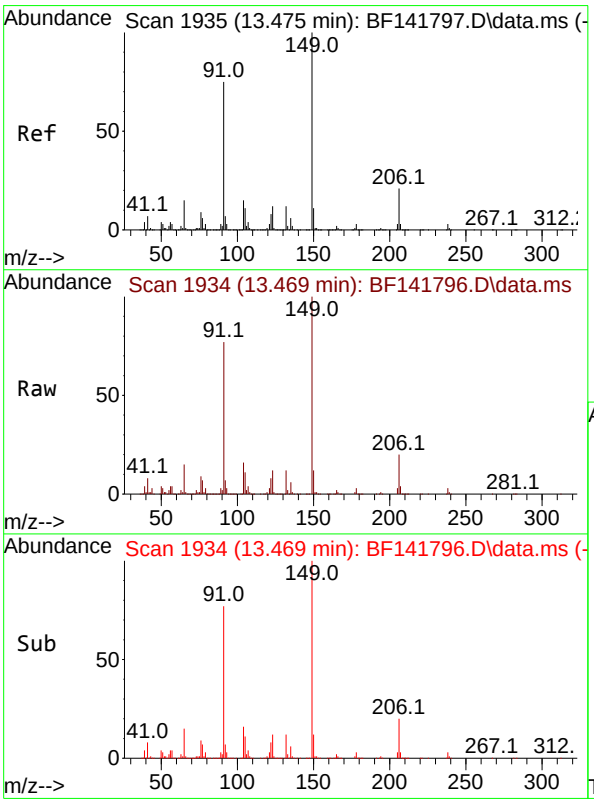
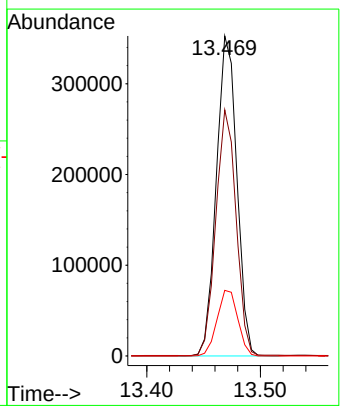
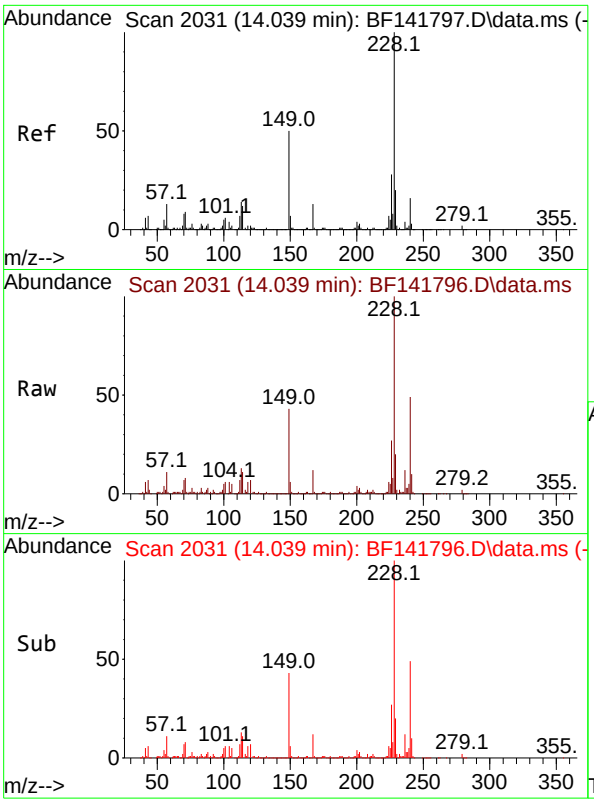


#80
Butylbenzylphthalate
Concen: 20.434 ng
RT: 13.469 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:149 Resp: 442702

Ion	Ratio	Lower	Upper
149	100		
91	76.9	60.1	90.1
206	20.5	16.8	25.2

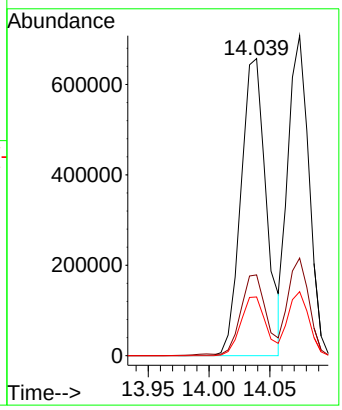




#81
Benzo(a)anthracene
Concen: 20.956 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:228 Resp: 95314

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.1	33.1
229	19.8	16.1	24.1



Instrument :
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ClientSampleId :
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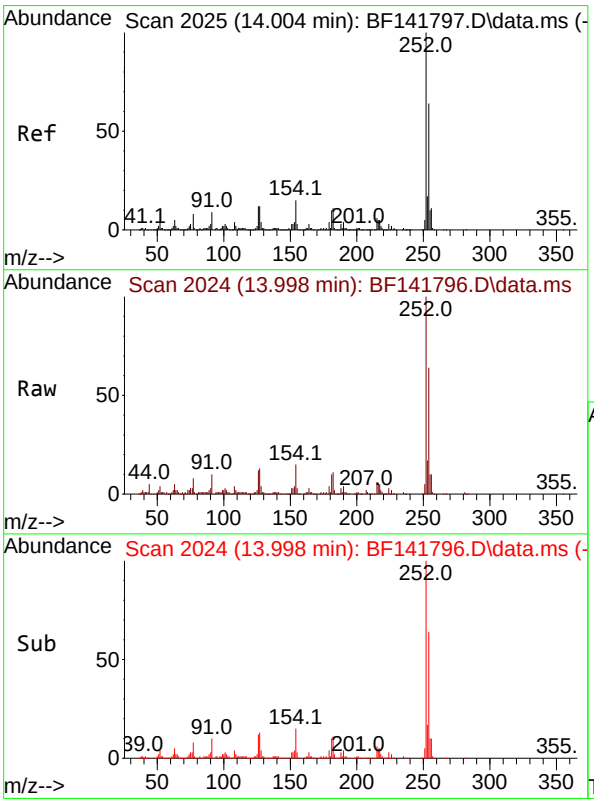
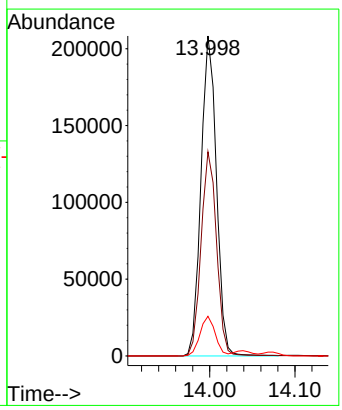
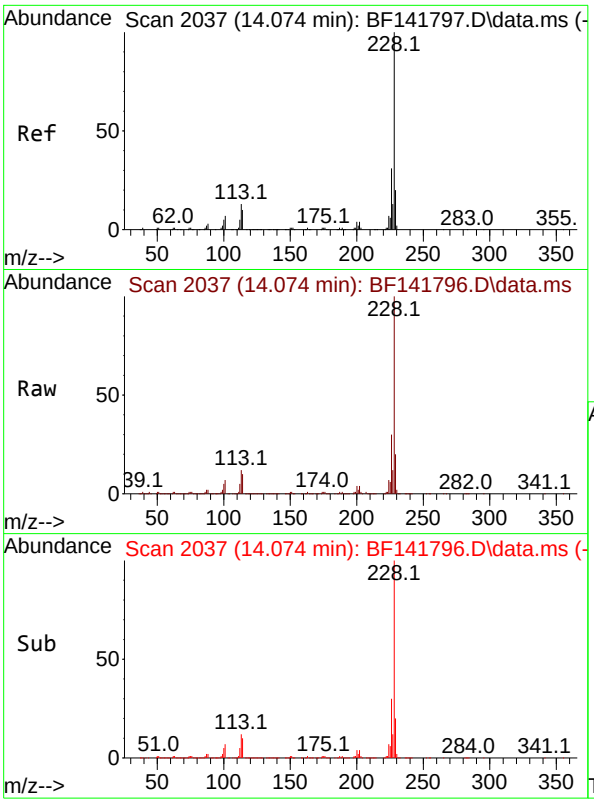


#82
3,3'-Dichlorobenzidine
Concen: 20.132 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:252 Resp: 262708

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.4	77.0
126	12.4	9.8	14.6

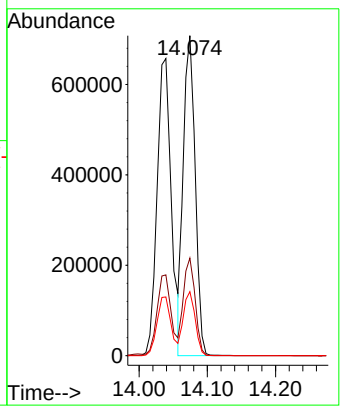




#83
Chrysene
Concen: 20.288 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:228 Resp: 85064

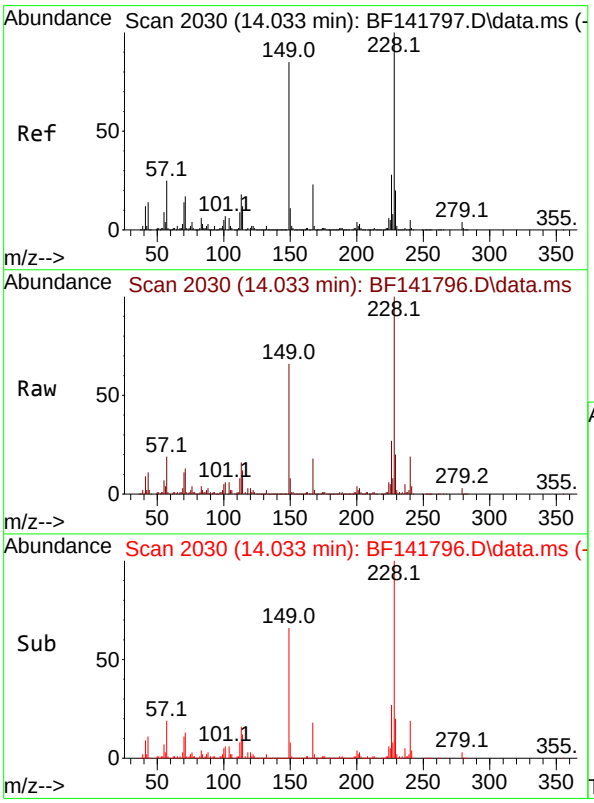
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.6	37.0
229	20.0	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

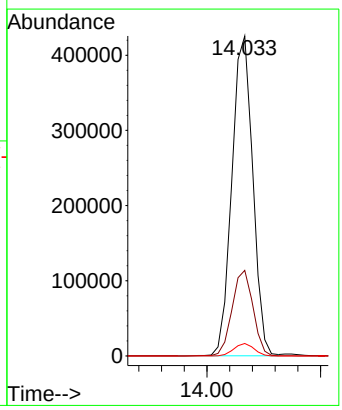
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

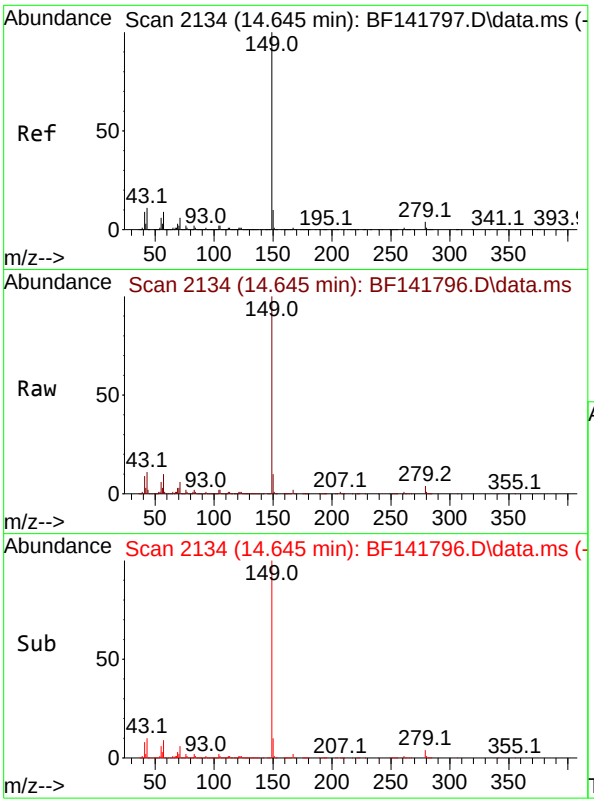


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.122 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:149 Resp: 542812

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.2	31.8
279	3.9	3.3	4.9

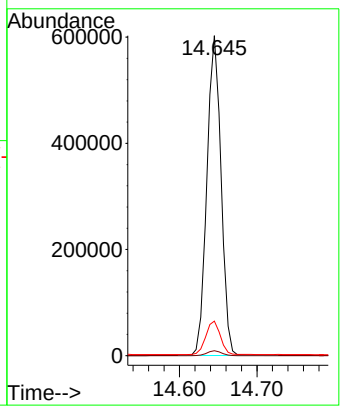




#85
Di-n-octyl phthalate
Concen: 18.910 ng
RT: 14.645 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:149 Resp: 76368

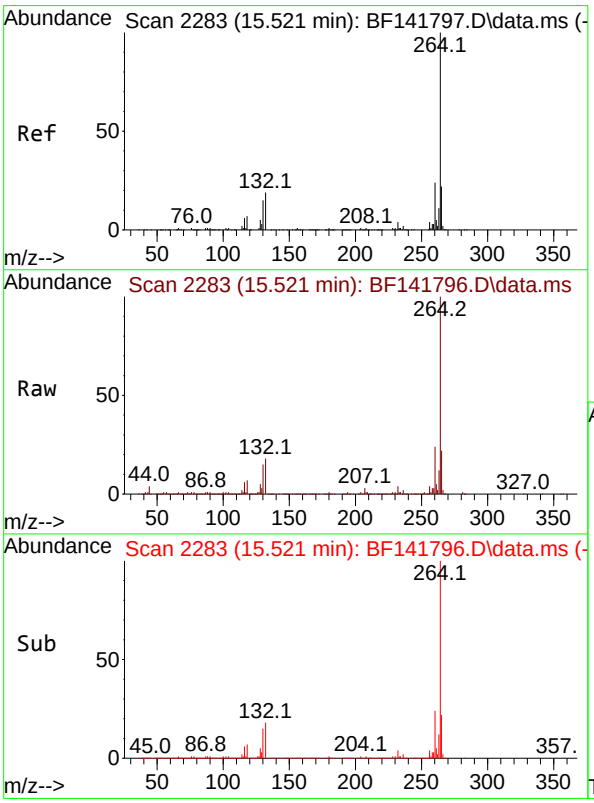
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	10.7	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

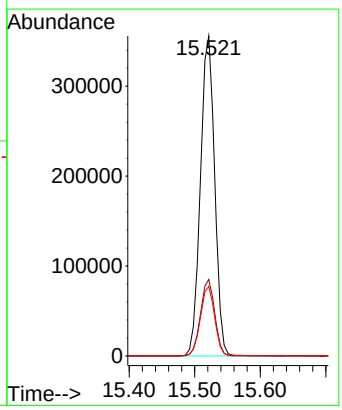
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

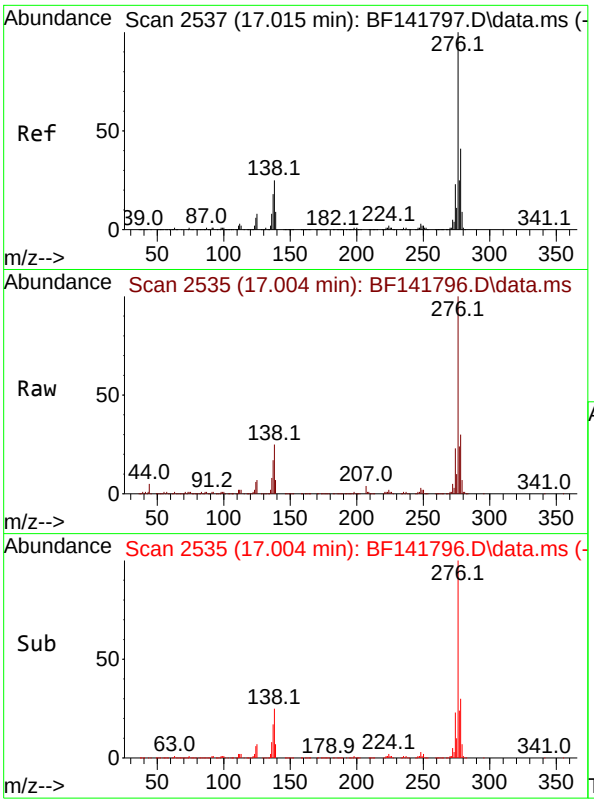


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:264 Resp: 539147

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.9	28.3
265	21.7	17.4	26.0

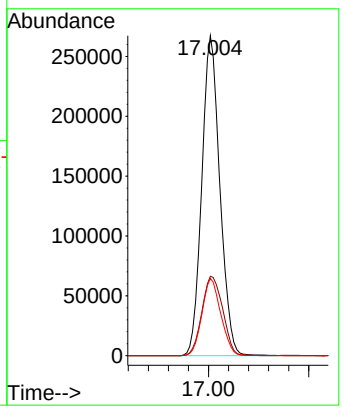




#87
Indeno(1,2,3-cd)pyrene
Concen: 19.480 ng
RT: 17.004 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:276 Resp: 66877

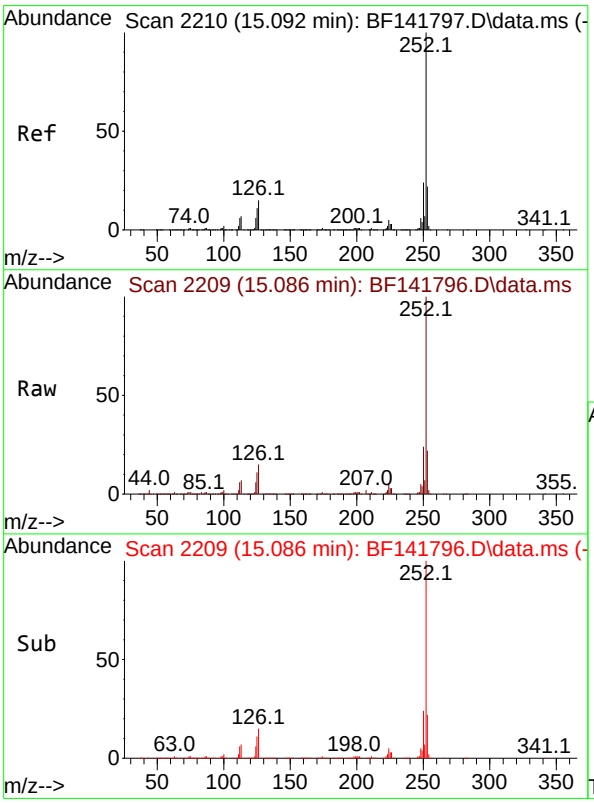
Ion	Ratio	Lower	Upper
276	100		
138	28.5	22.5	33.7
277	25.1	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

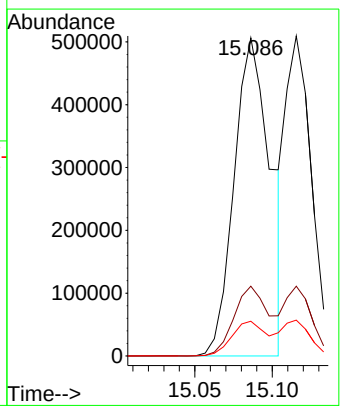
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

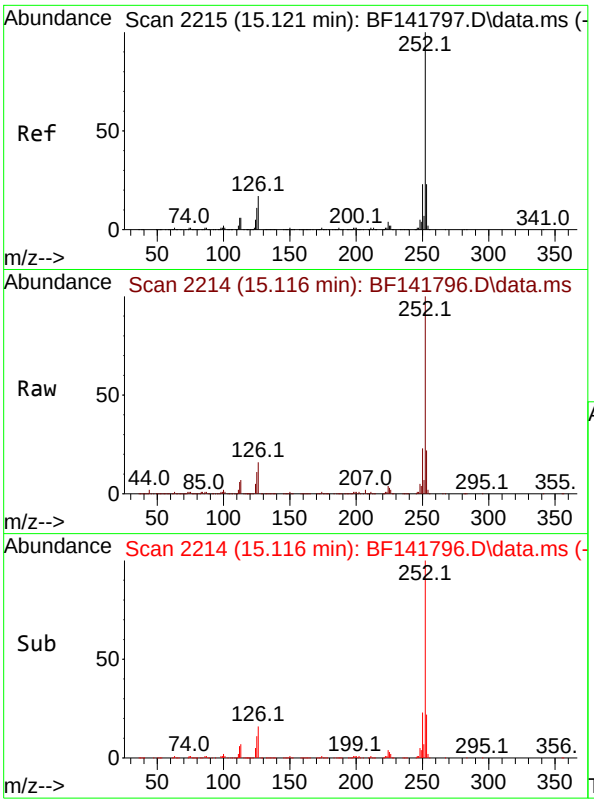


#88
Benzo(b)fluoranthene
Concen: 22.501 ng
RT: 15.086 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:252 Resp: 826369

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	10.9	8.6	13.0

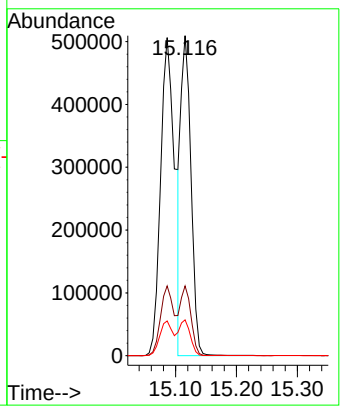




#89
Benzo(k)fluoranthene
Concen: 18.973 ng
RT: 15.116 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:252 Resp: 59225

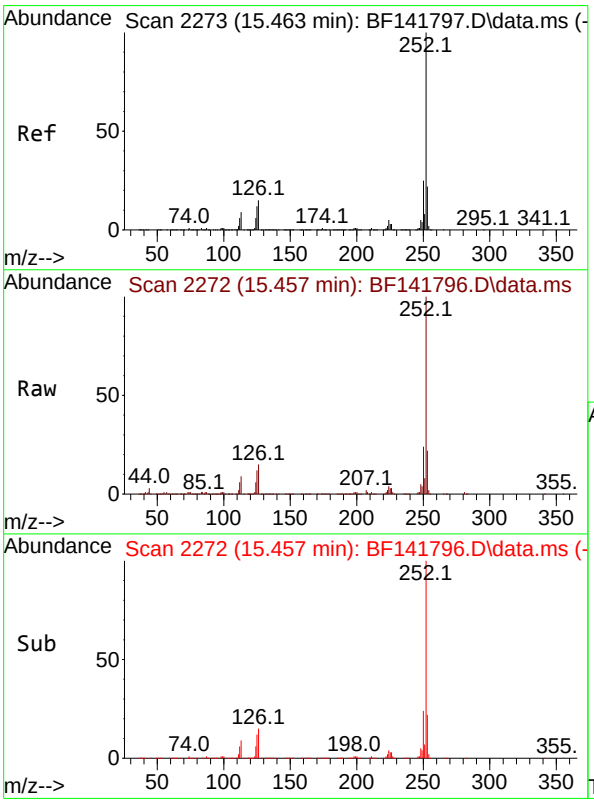
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	11.2	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

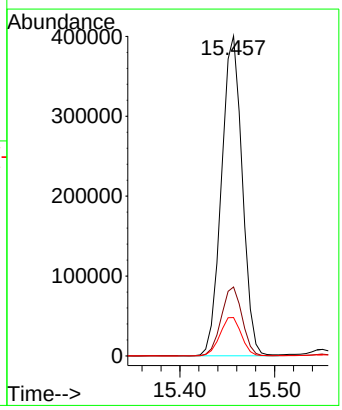
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

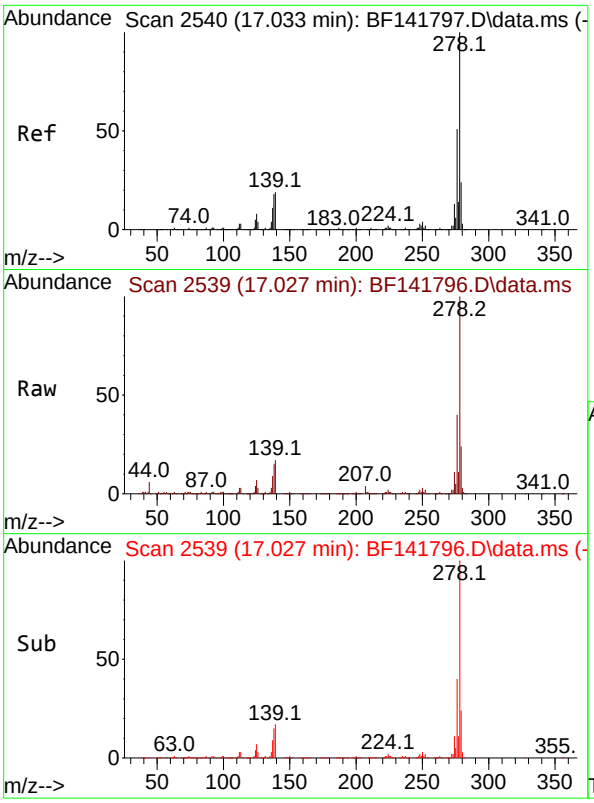


#90
Benzo(a)pyrene
Concen: 20.740 ng
RT: 15.457 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:252 Resp: 610871

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	12.0	9.4	14.2

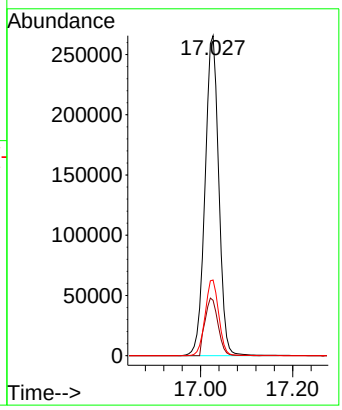




#91
Dibenzo(a,h)anthracene
Concen: 19.724 ng
RT: 17.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:278 Resp: 55272

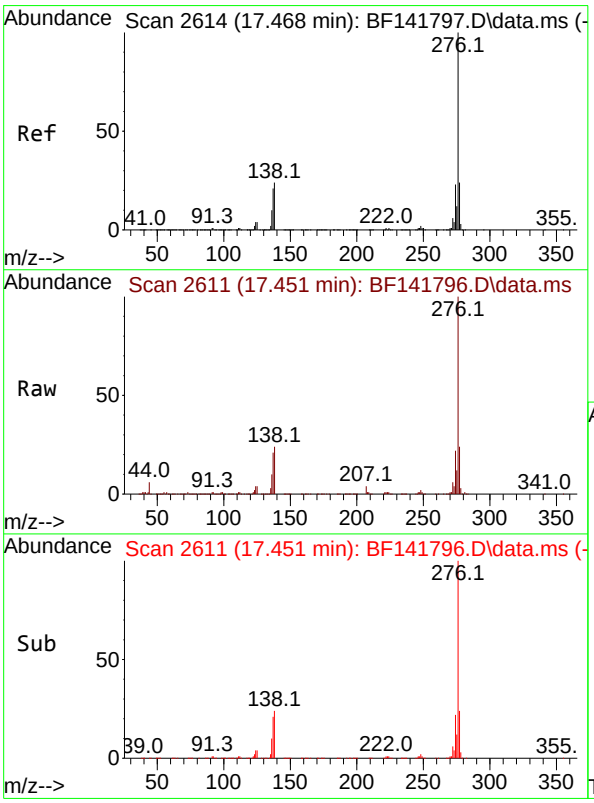
Ion	Ratio	Lower	Upper
278	100		
139	17.3	14.9	22.3
279	23.7	19.3	28.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

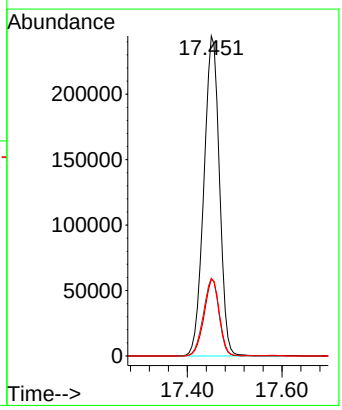
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#92
Benzo(g,h,i)perylene
Concen: 19.426 ng
RT: 17.451 min Scan# 2611
Delta R.T. -0.018 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:276 Resp: 557705

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.4	29.0
138	24.3	19.3	28.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141797.D
Acq On : 27 Feb 2025 17:16
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

Quant Time: Feb 28 01:25:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	288066	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	1155717	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	625246	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	1031875	20.000	ng	0.00
76) Chrysene-d12	14.051	240	629307	20.000	ng	0.00
86) Perylene-d12	15.521	264	567240	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	1481716	82.144	ng	0.00
7) Phenol-d6	6.510	99	1940706	82.660	ng	0.00
23) Nitrobenzene-d5	7.451	82	1577764	87.263	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	498702	84.959	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	3094072	79.348	ng	0.00
79) Terphenyl-d14	12.998	244	3170442	81.511	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.687	88	343299	41.944	ng	100
3) Pyridine	3.452	79	850494	41.764	ng	100
4) n-Nitrosodimethylamine	3.405	42	420465	42.911	ng	100
6) Aniline	6.557	93	1042452	42.941	ng	100
8) 2-Chlorophenol	6.675	128	813316	41.681	ng	100
9) Benzaldehyde	6.440	77	565698	41.423	ng	100
10) Phenol	6.522	94	1048185	41.904	ng	100
11) bis(2-Chloroethyl)ether	6.628	93	771641	40.349	ng	100
12) 1,3-Dichlorobenzene	6.834	146	866494	41.465	ng	100
13) 1,4-Dichlorobenzene	6.910	146	871351	41.384	ng	100
14) 1,2-Dichlorobenzene	7.063	146	807407	41.065	ng	100
15) Benzyl Alcohol	7.028	79	787264	41.957	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.163	45	1197610	41.236	ng	100
17) 2-Methylphenol	7.134	107	670597	41.635	ng	100
18) Hexachloroethane	7.404	117	332747	42.223	ng	100
19) n-Nitroso-di-n-propyla...	7.304	70	626390	40.586	ng	100
20) 3+4-Methylphenols	7.287	107	830533	41.411	ng	100
22) Acetophenone	7.298	105	1147737	40.776	ng	100
24) Nitrobenzene	7.475	77	839887	43.379	ng	100
25) Isophorone	7.710	82	1575854	40.569	ng	100
26) 2-Nitrophenol	7.787	139	332584	39.357	ng	100
27) 2,4-Dimethylphenol	7.816	122	588158	41.191	ng	100
28) bis(2-Chloroethoxy)met...	7.922	93	1006606	40.624	ng	100
29) 2,4-Dichlorophenol	8.022	162	688860	41.819	ng	100
30) 1,2,4-Trichlorobenzene	8.110	180	737573	40.863	ng	100
31) Naphthalene	8.193	128	2410915	40.588	ng	100
32) Benzoic acid	7.934	122	442477	38.870	ng	100
33) 4-Chloroaniline	8.240	127	877082	40.271	ng	100
34) Hexachlorobutadiene	8.310	225	459338	40.952	ng	100
35) Caprolactam	8.610	113	211331m	41.695	ng	
36) 4-Chloro-3-methylphenol	8.710	107	752961	41.148	ng	100
37) 2-Methylnaphthalene	8.881	142	1565422	40.179	ng	100
38) 1-Methylnaphthalene	8.981	142	1506039	40.286	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	736508	40.786	ng	100
41) Hexachlorocyclopentadiene	9.040	237	323162	42.882	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	497182	42.623	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141797.D
Acq On : 27 Feb 2025 17:16
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 28 01:25:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	478749	41.448	ng	100
46) 1,1'-Biphenyl	9.351	154	1899694	39.917	ng	100
47) 2-Chloronaphthalene	9.375	162	1419149	40.402	ng	100
48) 2-Nitroaniline	9.463	65	375120	39.827	ng	100
49) Acenaphthylene	9.792	152	2139722	40.629	ng	100
50) Dimethylphthalate	9.651	163	1704601	40.710	ng	100
51) 2,6-Dinitrotoluene	9.710	165	321129	40.557	ng	100
52) Acenaphthene	9.963	154	1437821	40.461	ng	100
53) 3-Nitroaniline	9.875	138	346294	41.045	ng	100
54) 2,4-Dinitrophenol	9.975	184	115933	39.874	ng	100
55) Dibenzofuran	10.134	168	2079139	40.198	ng	100
56) 4-Nitrophenol	10.022	139	285537	46.172	ng	100
57) 2,4-Dinitrotoluene	10.110	165	391858	40.635	ng	100
58) Fluorene	10.475	166	1536139	39.650	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	424277	42.235	ng	100
60) Diethylphthalate	10.351	149	1729522	41.203	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	775274	39.939	ng	100
62) 4-Nitroaniline	10.492	138	333830	46.685	ng	100
63) Azobenzene	10.628	77	1796906	40.657	ng	100
65) 4,6-Dinitro-2-methylph...	10.516	198	179018	38.731	ng	100
66) n-Nitrosodiphenylamine	10.586	169	1371761	40.485	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	490816	40.722	ng	100
68) Hexachlorobenzene	11.022	284	518266	40.721	ng	100
69) Atrazine	11.110	200	369439	39.649	ng	100
70) Pentachlorophenol	11.210	266	347791	43.086	ng	100
71) Phenanthrene	11.439	178	2214957	40.130	ng	100
72) Anthracene	11.486	178	2204147	39.845	ng	100
73) Carbazole	11.639	167	1971491	40.358	ng	100
74) Di-n-butylphthalate	11.975	149	2493783	40.274	ng	100
75) Fluoranthene	12.622	202	2248284	39.753	ng	100
77) Benzidine	12.739	184	326609	41.235	ng	100
78) Pyrene	12.851	202	2259888	41.470	ng	100
80) Butylbenzylphthalate	13.475	149	840509	42.452	ng	100
81) Benzo(a)anthracene	14.039	228	1651930	39.742	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	494528	41.467	ng	100
83) Chrysene	14.074	228	1591812	41.543	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	1046693	42.458	ng	100
85) Di-n-octyl phthalate	14.645	149	1644901	44.568	ng	100
87) Indeno(1,2,3-cd)pyrene	17.015	276	1526575	42.264	ng	100
88) Benzo(b)fluoranthene	15.092	252	1481931	38.353	ng	100
89) Benzo(k)fluoranthene	15.121	252	1377470	41.943	ng	100
90) Benzo(a)pyrene	15.463	252	1269914	40.981	ng	100
91) Dibenzo(a,h)anthracene	17.033	278	1257866	42.664	ng	100
92) Benzo(g,h,i)perylene	17.468	276	1281590	42.430	ng	100

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

ICAL Form

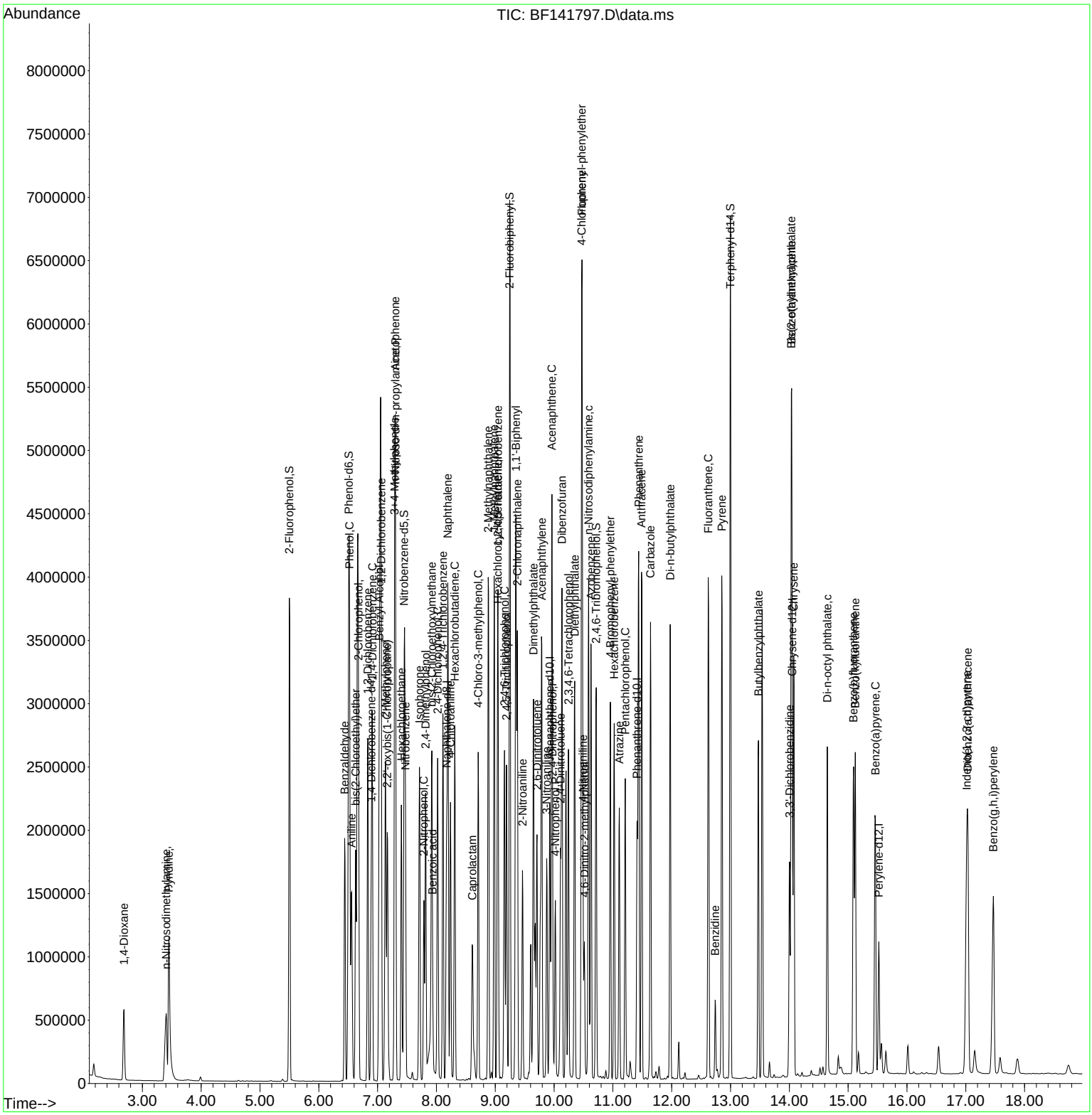
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141797.D
Acq On : 27 Feb 2025 17:16
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

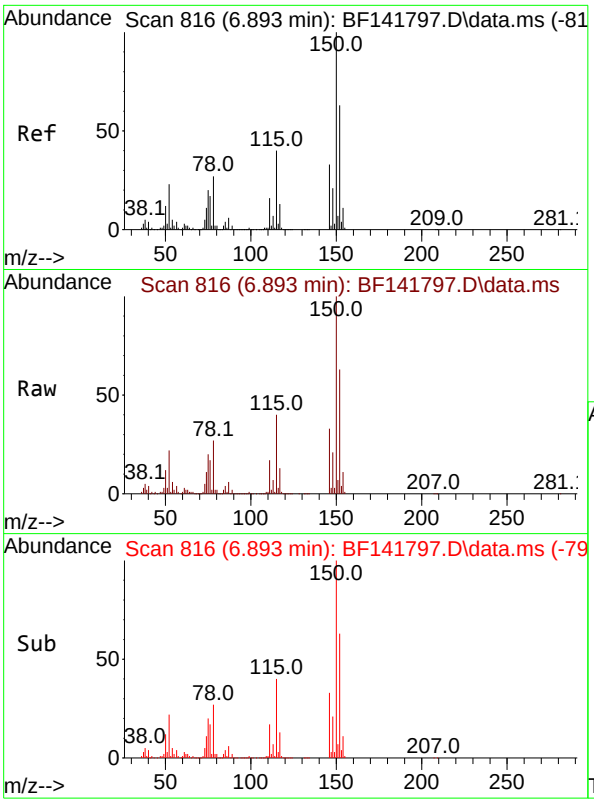
Quant Time: Feb 28 01:25:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

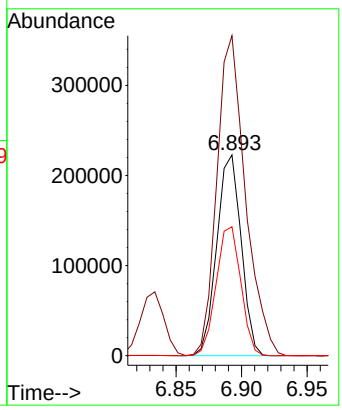




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:152 Resp: 28806

Ion	Ratio	Lower	Upper
152	100		
150	159.4	127.5	191.3
115	64.3	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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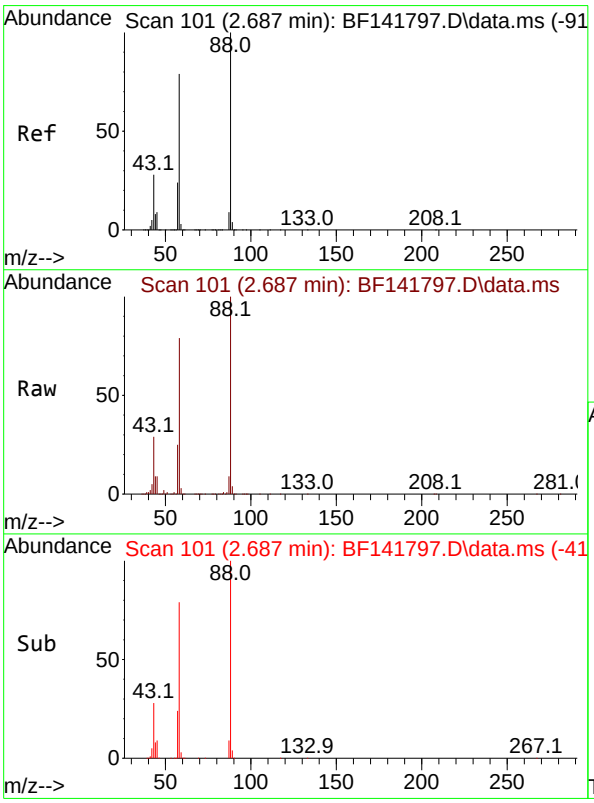
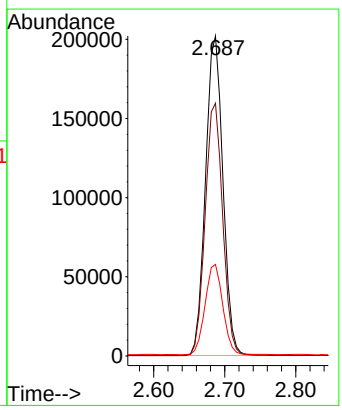
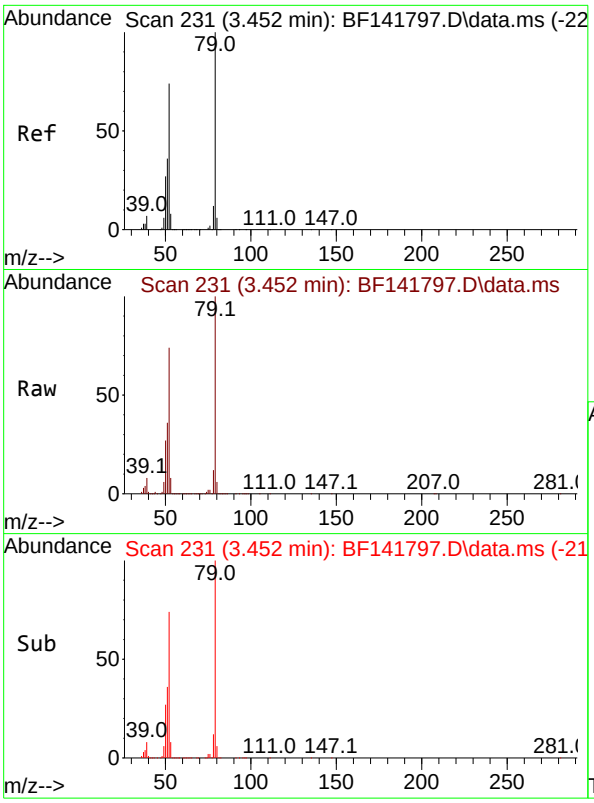


#2
1,4-Dioxane
Concen: 41.944 ng
RT: 2.687 min Scan# 101
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 88 Resp: 343299

Ion	Ratio	Lower	Upper
88	100		
58	79.9	63.9	95.9
43	28.8	23.0	34.6





#3
Pyridine
Concen: 41.764 ng
RT: 3.452 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 85049

Ion	Ratio	Lower	Upper
79	100		
52	73.7	59.0	88.4
51	36.2	29.0	43.4

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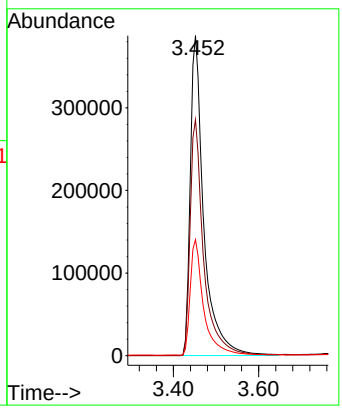
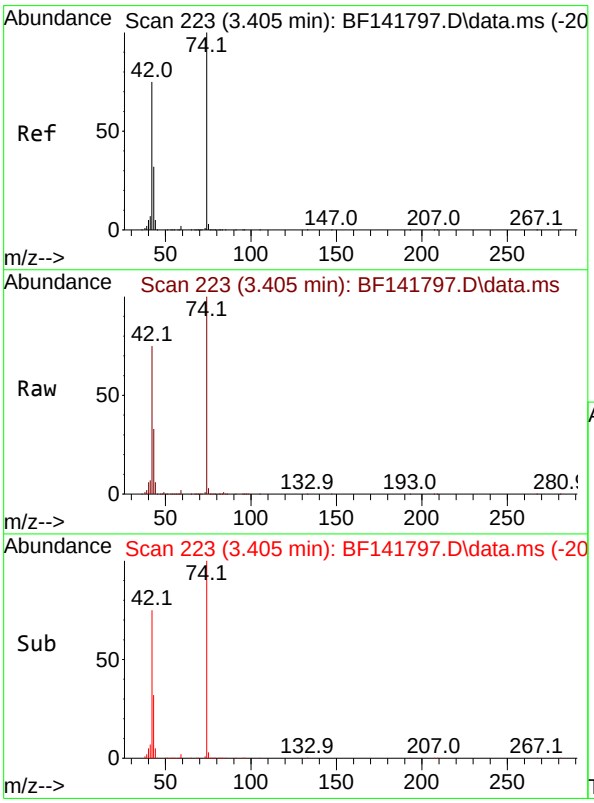
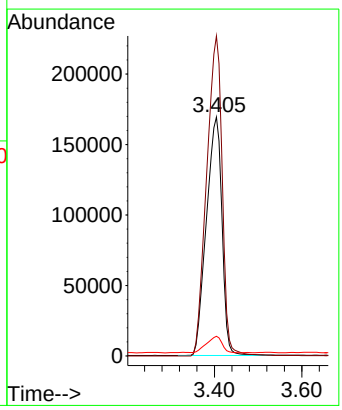


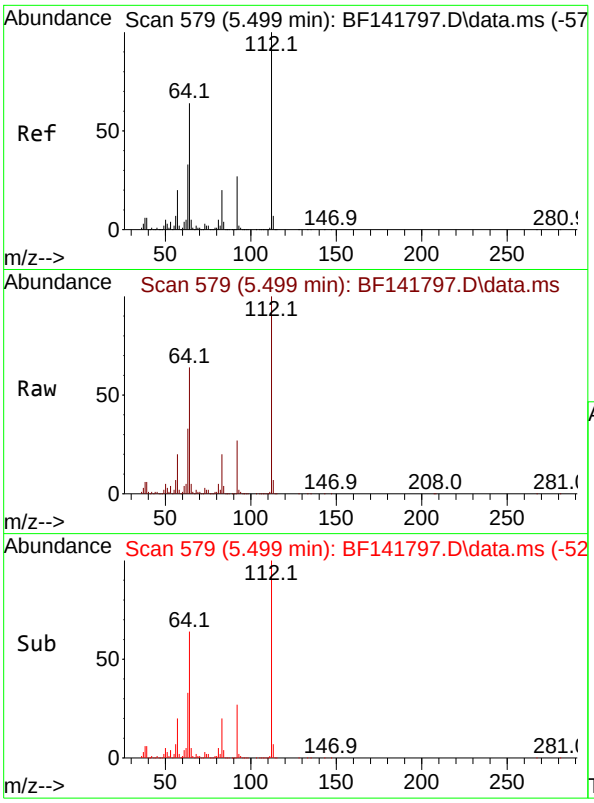


#4
n-Nitrosodimethylamine
Concen: 42.911 ng
RT: 3.405 min Scan# 223
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 42 Resp: 420465

Ion	Ratio	Lower	Upper
42	100		
74	133.9	107.1	160.7
44	8.2	6.6	9.8





#5
2-Fluorophenol
Concen: 82.144 ng
RT: 5.499 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:112 Resp: 148171(

Ion	Ratio	Lower	Upper
112	100		
64	64.1	51.3	76.9
63	32.8	26.2	39.4

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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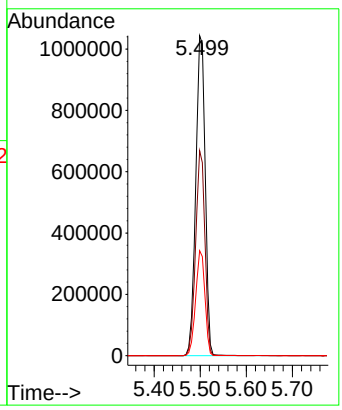
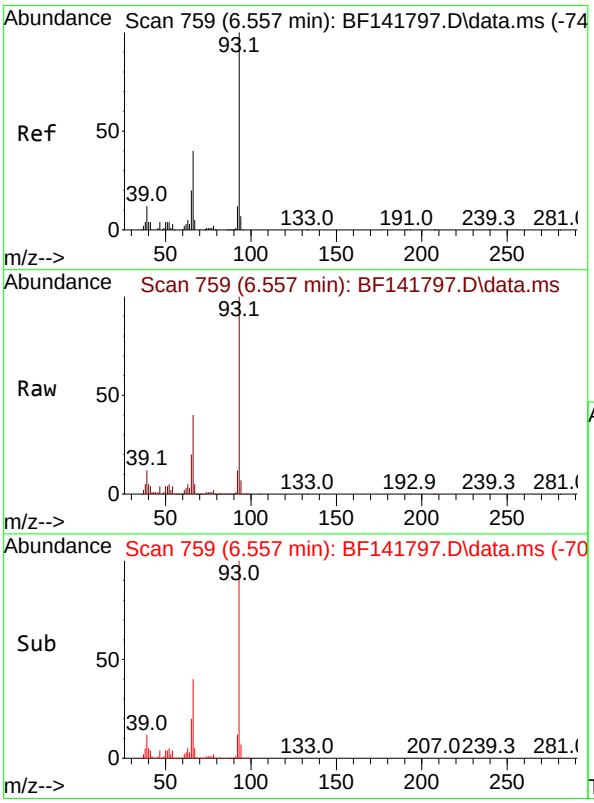
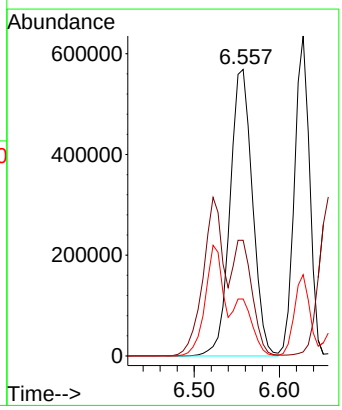


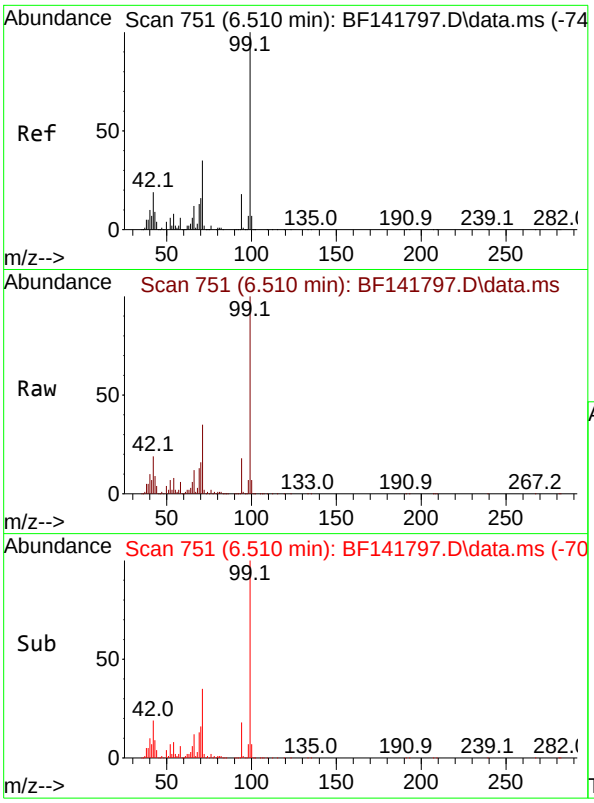


#6
Aniline
Concen: 42.941 ng
RT: 6.557 min Scan# 759
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 93 Resp: 1042452

Ion	Ratio	Lower	Upper
93	100		
66	40.4	32.3	48.5
65	19.9	15.9	23.9

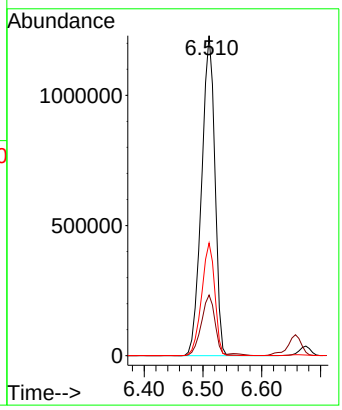




#7
Phenol-d6
Concen: 82.660 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 99 Resp: 194070

Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.2	22.8
71	35.2	28.2	42.2



Instrument :
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ClientSampleId :
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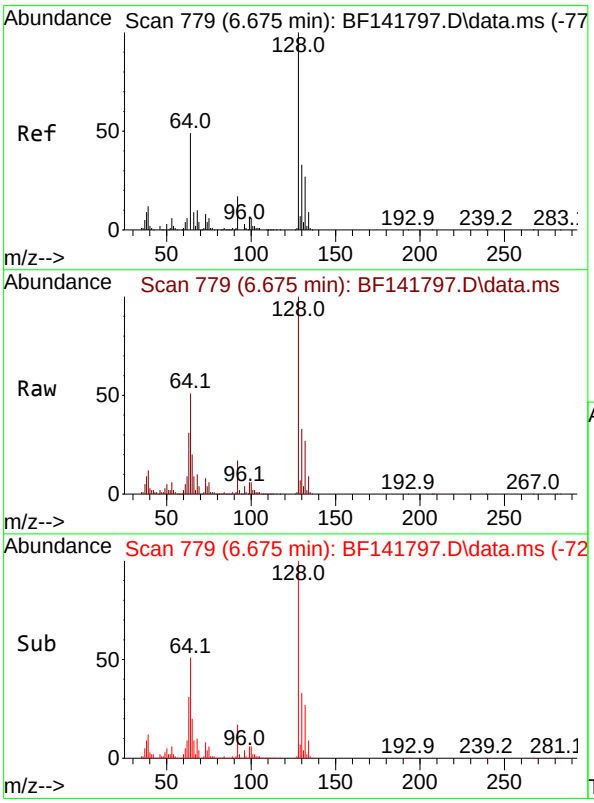
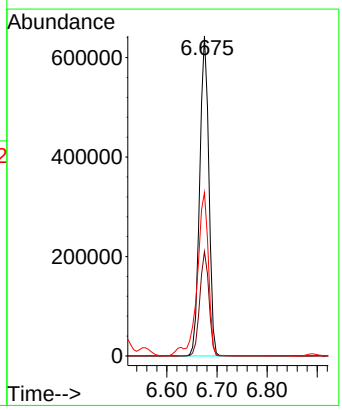
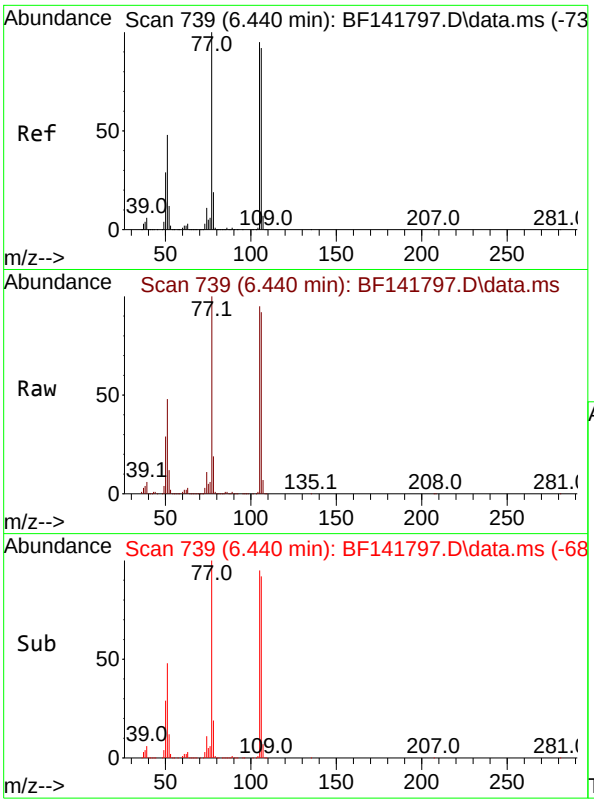


#8
2-Chlorophenol
Concen: 41.681 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:128 Resp: 813316

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	51.1	31.1	71.1

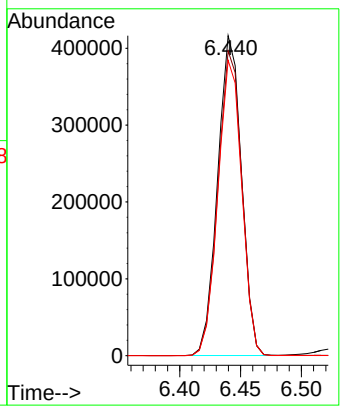




#9
Benzaldehyde
Concen: 41.423 ng
RT: 6.440 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 77 Resp: 56569

Ion	Ratio	Lower	Upper
77	100		
105	95.3	75.3	115.3
106	92.3	72.3	112.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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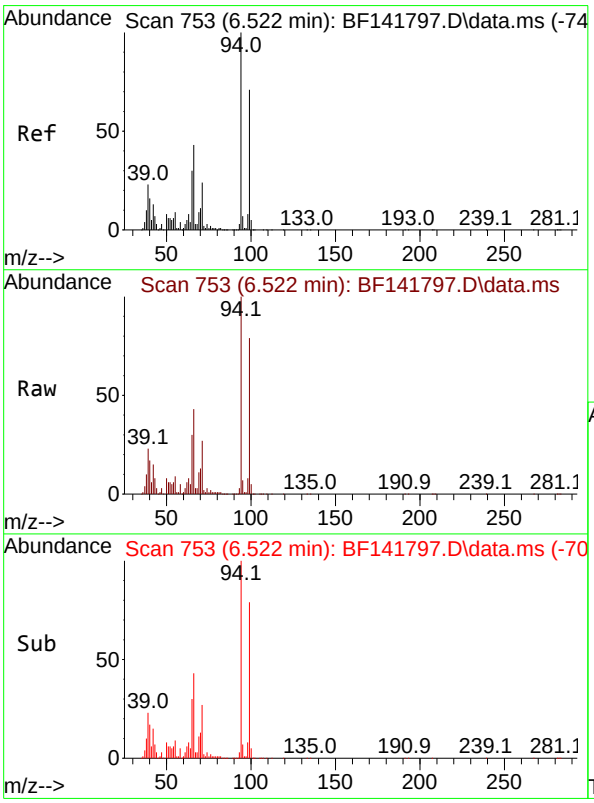
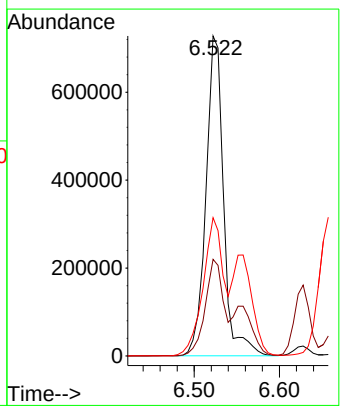
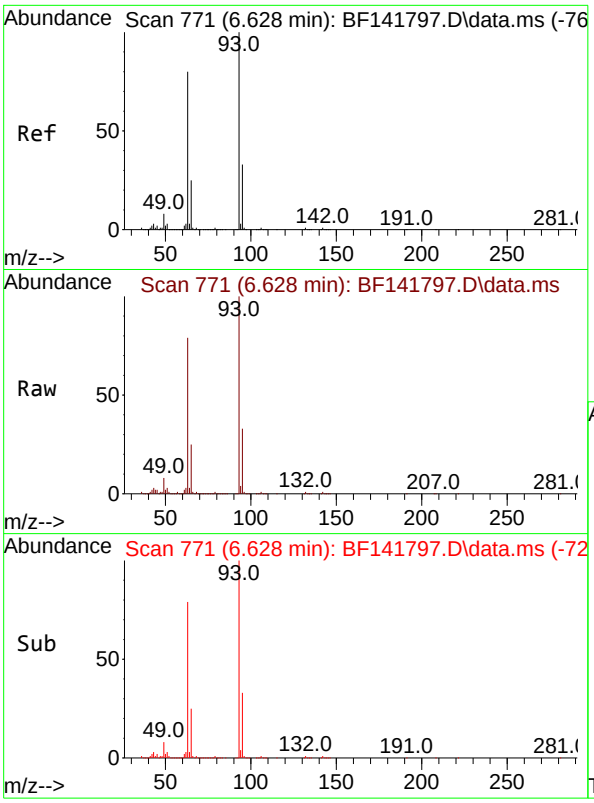


#10
Phenol
Concen: 41.904 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 94 Resp: 1048185

Ion	Ratio	Lower	Upper
94	100		
65	30.2	10.2	50.2
66	43.2	23.2	63.2

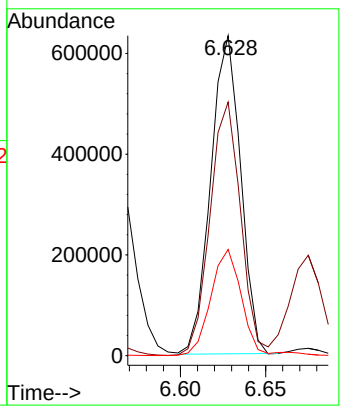




#11
bis(2-Chloroethyl)ether
Concen: 40.349 ng
RT: 6.628 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 93 Resp: 77164

Ion	Ratio	Lower	Upper
93	100		
63	79.3	59.3	99.3
95	33.2	13.2	53.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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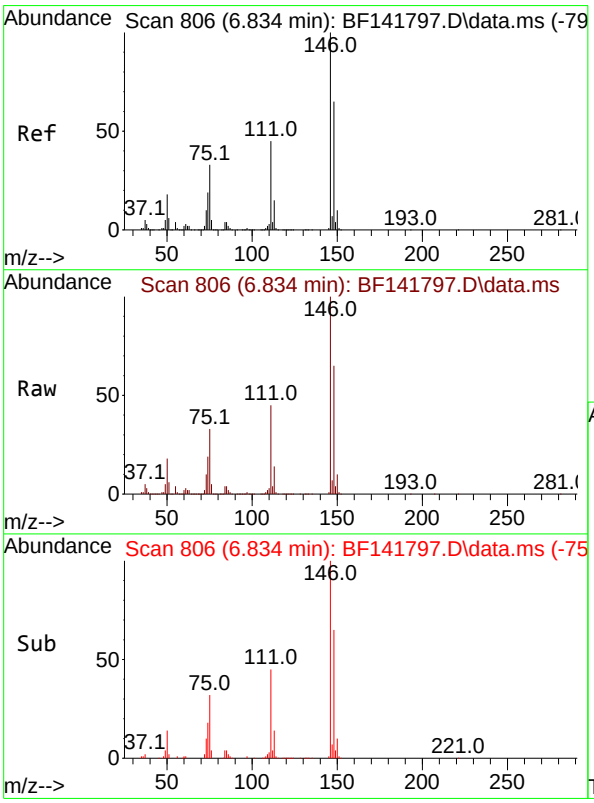
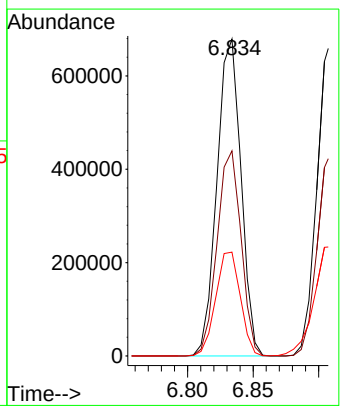
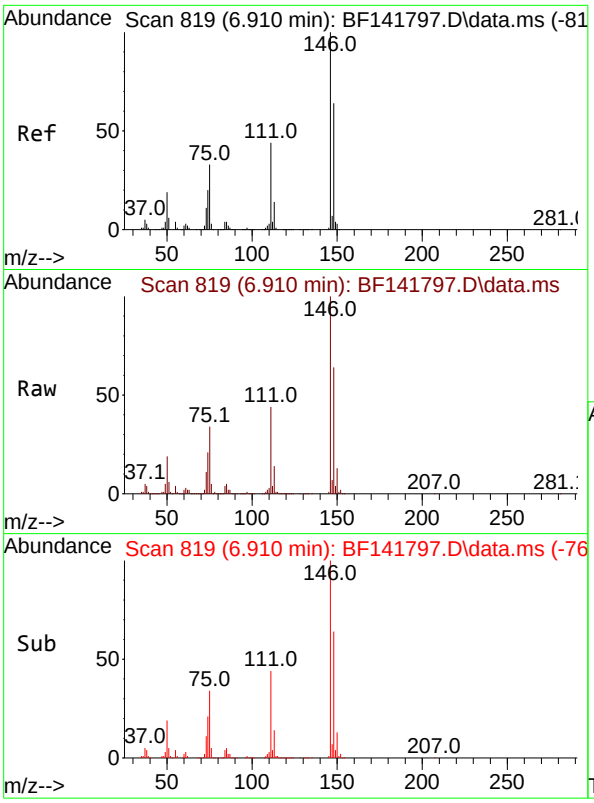


#12
1,3-Dichlorobenzene
Concen: 41.465 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:146 Resp: 866494

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.8	77.6
75	32.8	26.2	39.4

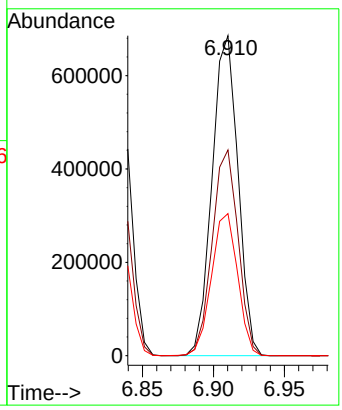




#13
1,4-Dichlorobenzene
Concen: 41.384 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:146 Resp: 87135

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.2
111	44.4	35.5	53.3



Instrument :
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ClientSampleId :
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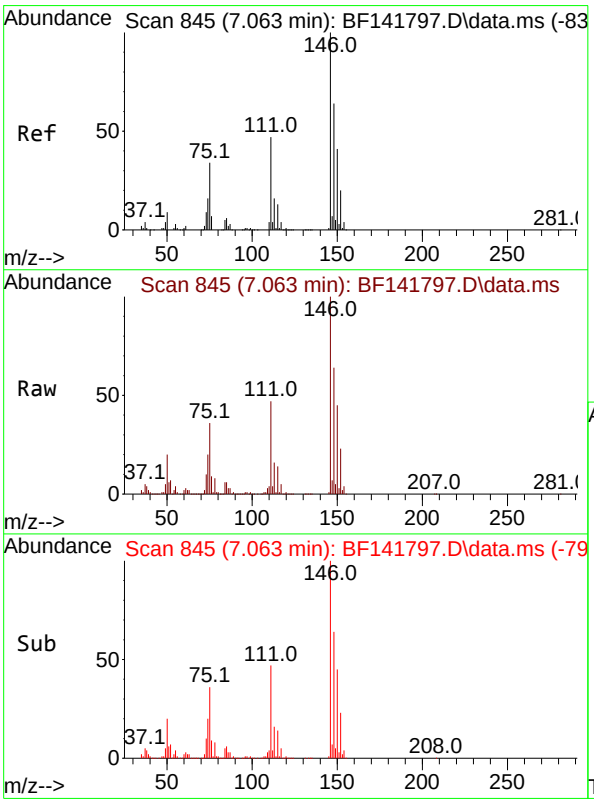
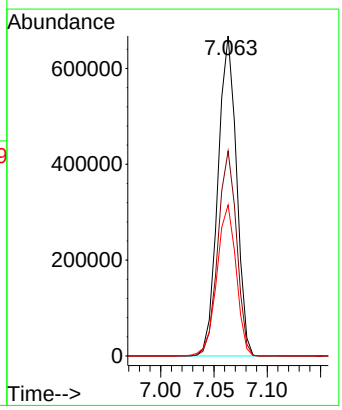
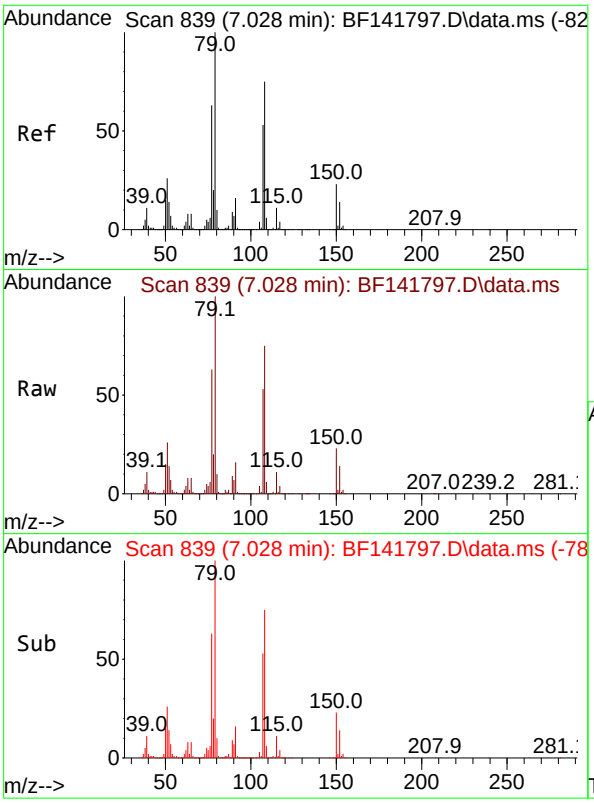


#14
1,2-Dichlorobenzene
Concen: 41.065 ng
RT: 7.063 min Scan# 845
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:146 Resp: 807407

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.2	76.8
111	47.2	37.8	56.6





#15
Benzyl Alcohol
Concen: 41.957 ng
RT: 7.028 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 79 Resp: 78726

Ion	Ratio	Lower	Upper
79	100		
108	75.2	60.2	90.2
77	62.7	50.2	75.2

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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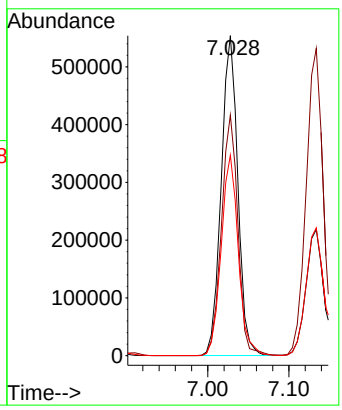
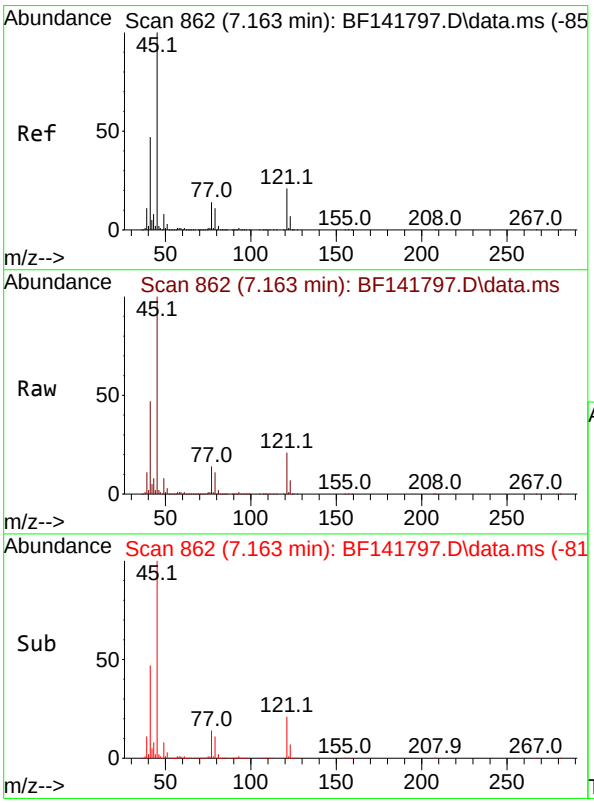
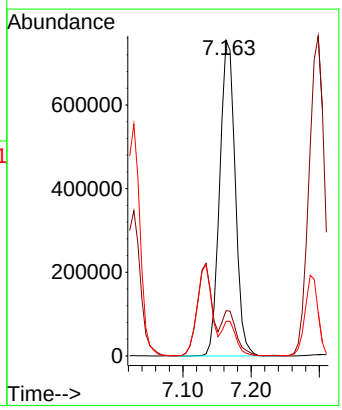


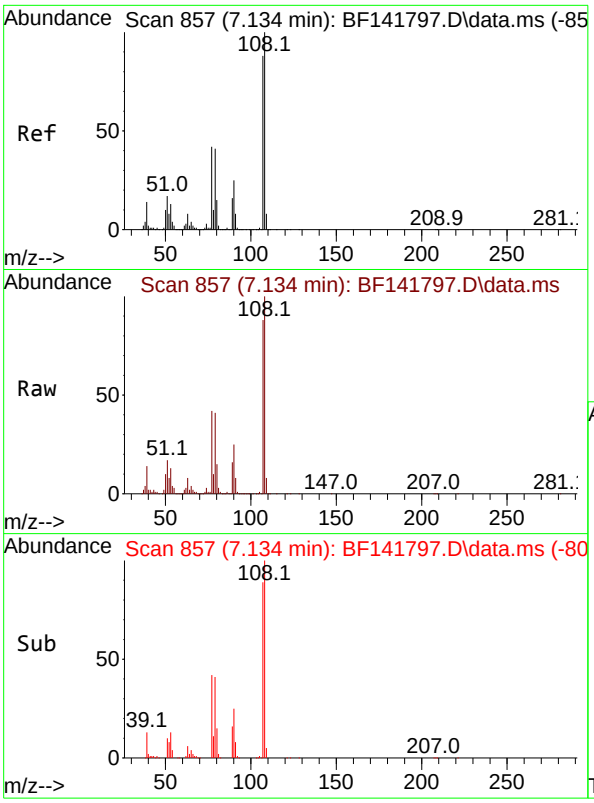


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.236 ng
RT: 7.163 min Scan# 862
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 45 Resp: 1197610

Ion	Ratio	Lower	Upper
45	100		
77	14.4	0.0	34.4
79	10.9	0.0	30.9

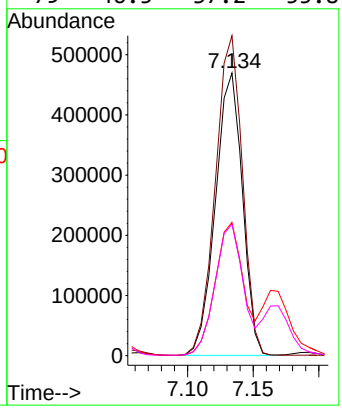




#17
2-Methylphenol
Concen: 41.635 ng
RT: 7.134 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:107 Resp: 67059

Ion	Ratio	Lower	Upper
107	100		
108	113.2	90.6	135.8
77	47.1	37.7	56.5
79	46.5	37.2	55.8



Instrument :
BNA_F
ClientSampleId :
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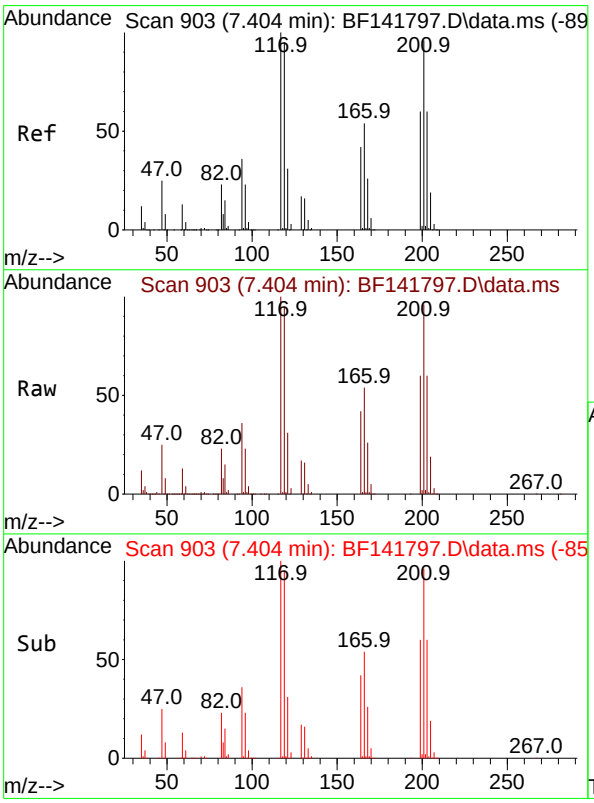
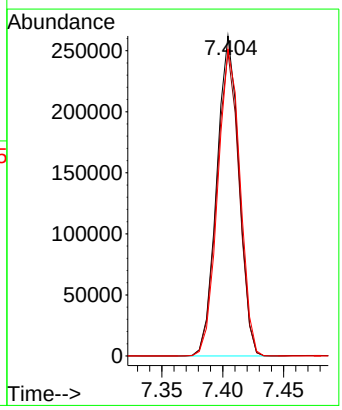
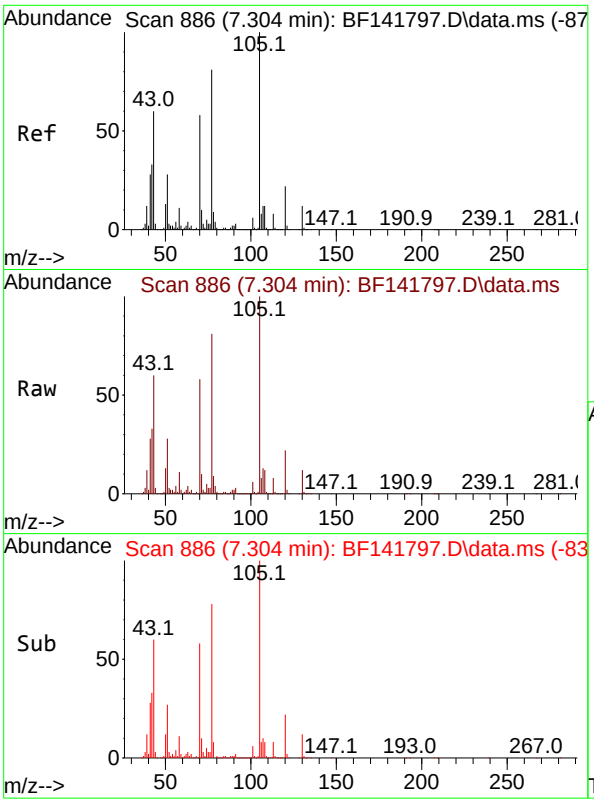


#18
Hexachloroethane
Concen: 42.223 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:117 Resp: 332747

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.8	113.8
201	95.9	76.7	115.1

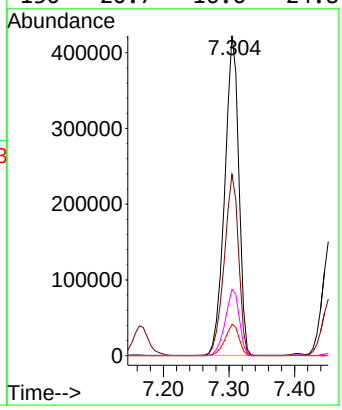




#19
n-Nitroso-di-n-propylamine
Concen: 40.586 ng
RT: 7.304 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 70 Resp: 62639

Ion	Ratio	Lower	Upper
70	100		
42	56.7	45.4	68.0
101	9.8	7.8	11.8
130	20.7	16.6	24.8



Instrument :
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ClientSampleId :
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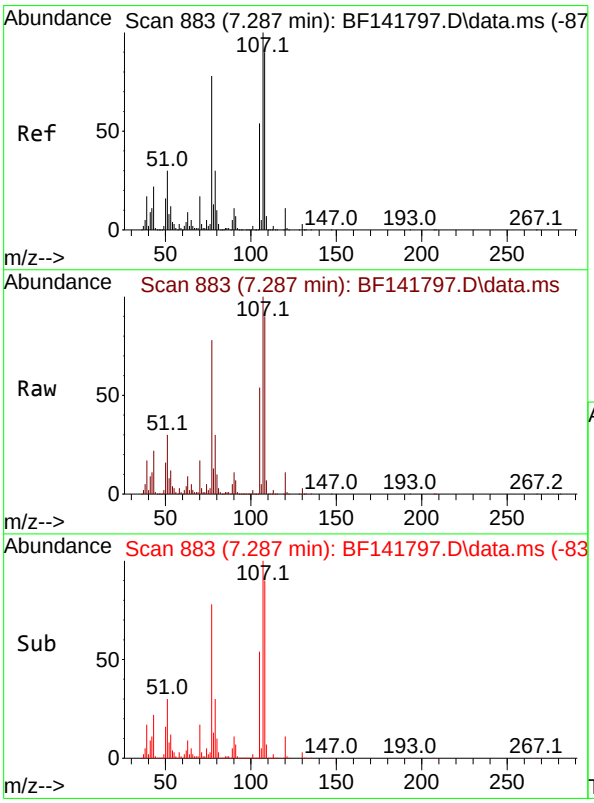
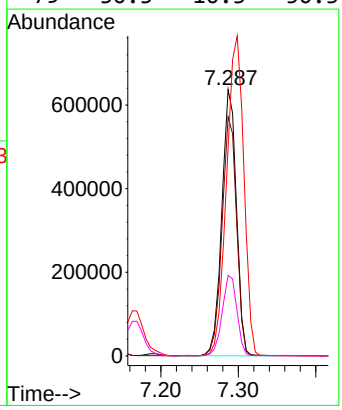
Supervised By :mohammad ahmed 02/28/2025

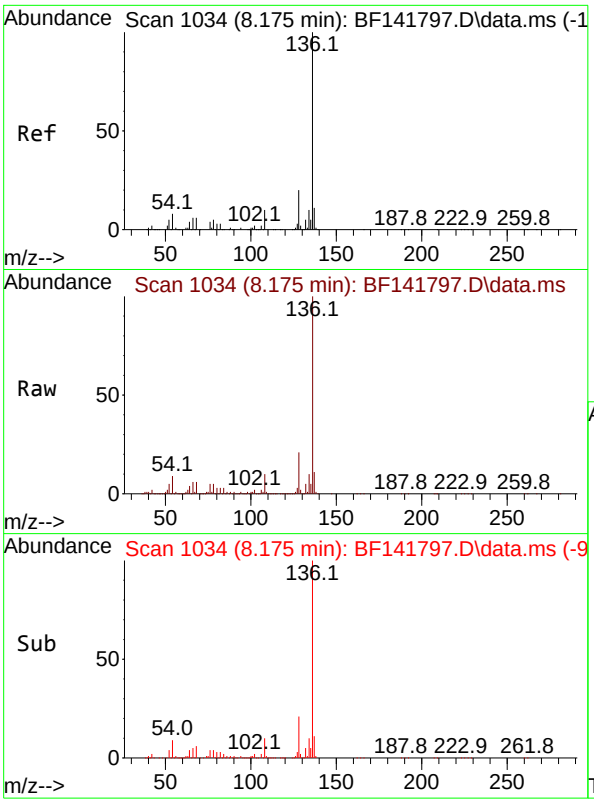


#20
3+4-Methylphenols
Concen: 41.411 ng
RT: 7.287 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:107 Resp: 830533

Ion	Ratio	Lower	Upper
107	100		
108	89.7	69.7	109.7
77	78.3	58.3	98.3
79	30.3	10.3	50.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:136 Resp: 115571

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.6	6.9	10.3
68	6.4	5.1	7.7

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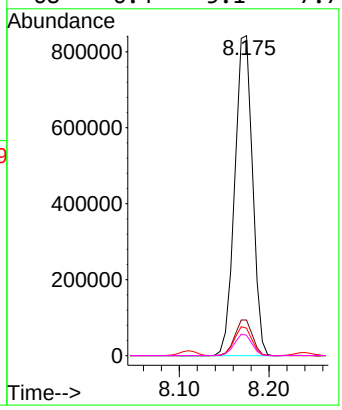
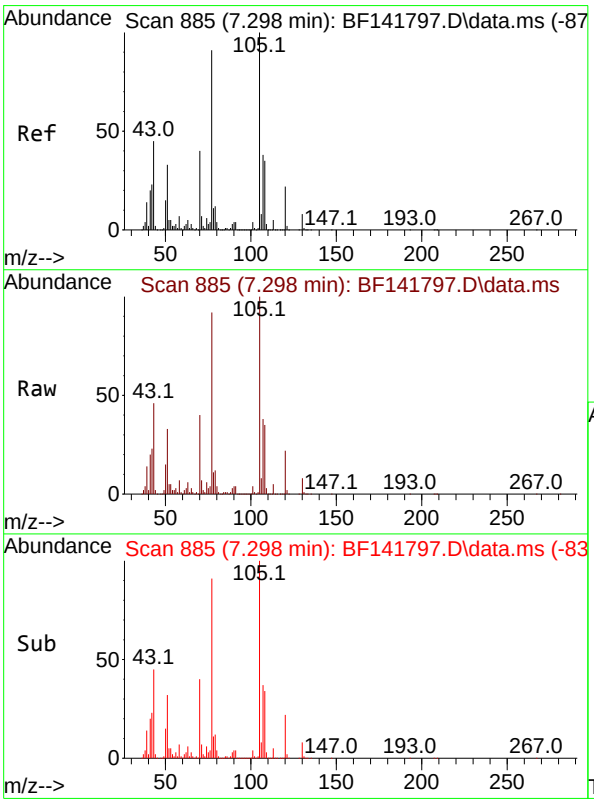
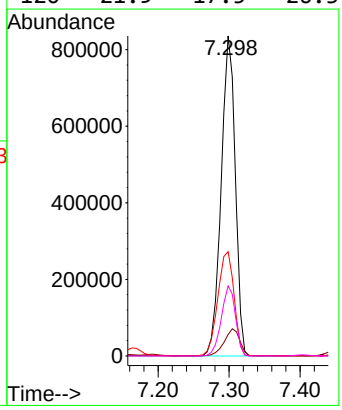


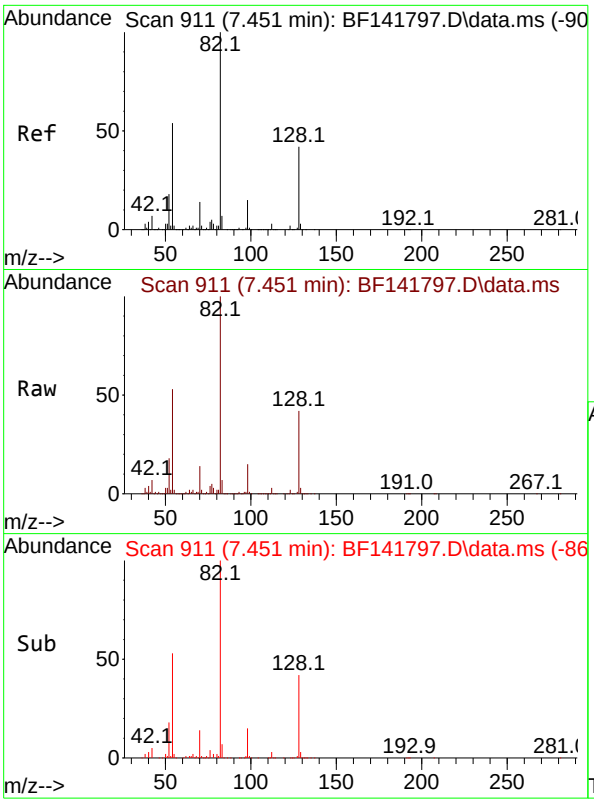


#22
Acetophenone
Concen: 40.776 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:105 Resp: 1147737

Ion	Ratio	Lower	Upper
105	100		
71	6.7	5.4	8.0
51	32.6	26.1	39.1
120	21.9	17.5	26.3

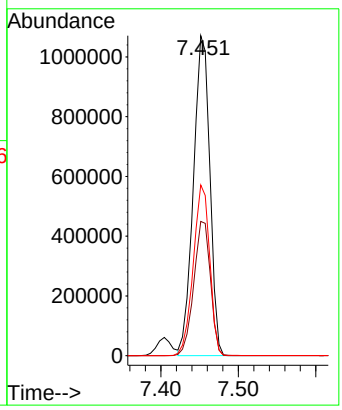




#23
Nitrobenzene-d5
Concen: 87.263 ng
RT: 7.451 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 82 Resp: 157776

Ion	Ratio	Lower	Upper
82	100		
128	41.9	33.5	50.3
54	53.4	42.7	64.1



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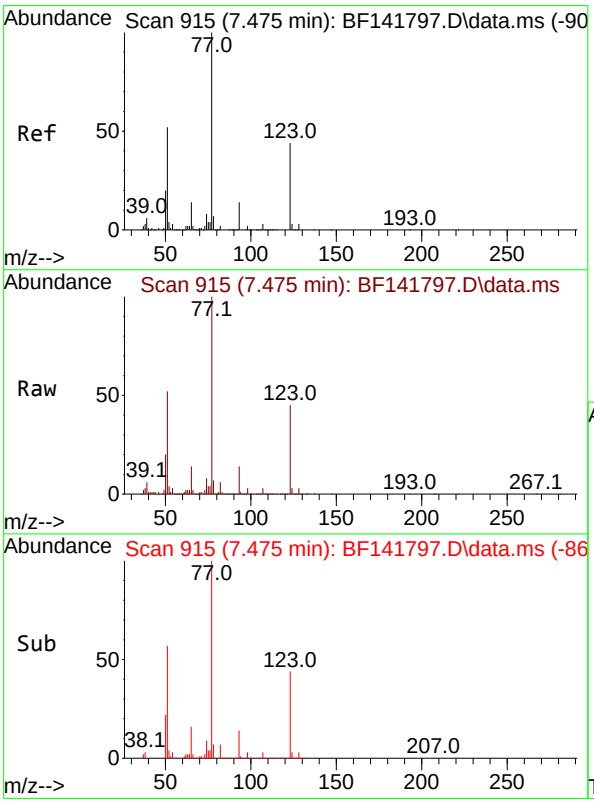
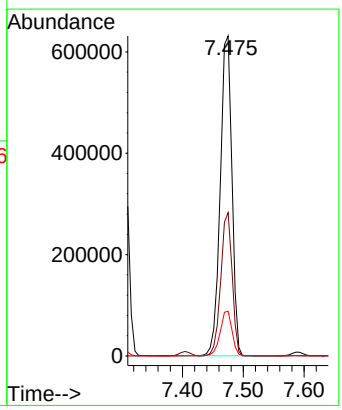
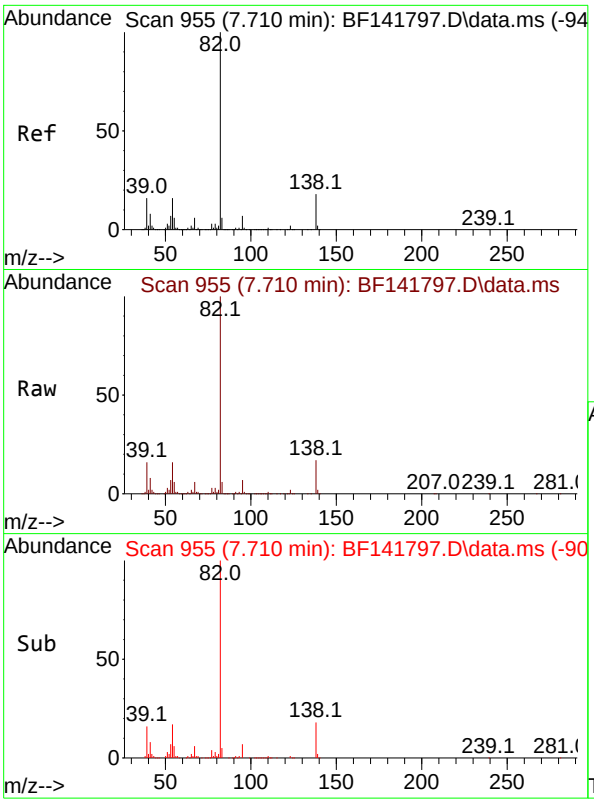


#24
Nitrobenzene
Concen: 43.379 ng
RT: 7.475 min Scan# 915
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 77 Resp: 839887

Ion	Ratio	Lower	Upper
77	100		
123	44.8	35.8	53.8
65	14.0	11.2	16.8

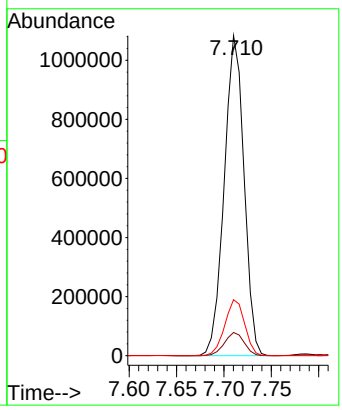




#25
Isophorone
Concen: 40.569 ng
RT: 7.710 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 82 Resp: 157585

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	17.5	14.0	21.0



Instrument :
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ClientSampleId :
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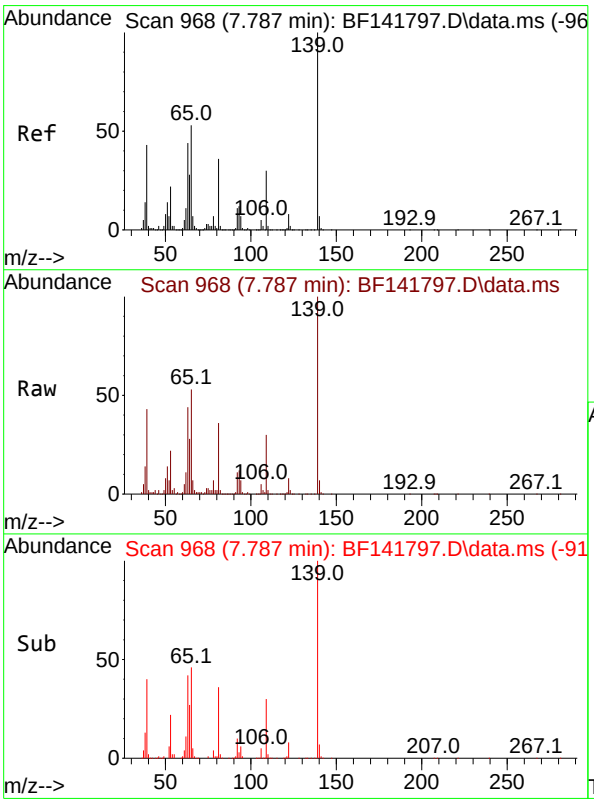
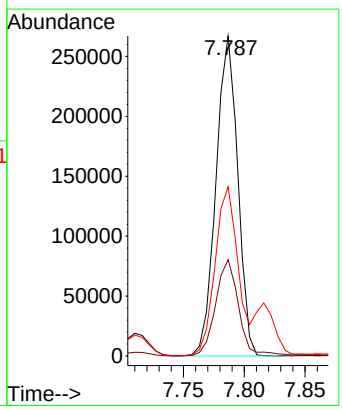
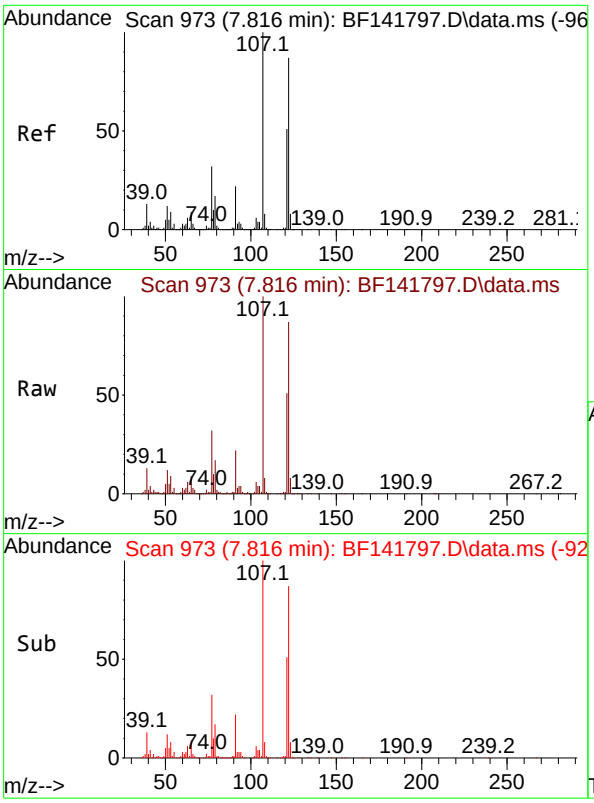


#26
2-Nitrophenol
Concen: 39.357 ng
RT: 7.787 min Scan# 968
Delta R.T. -0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:139 Resp: 332584

Ion	Ratio	Lower	Upper
139	100		
109	30.1	24.1	36.1
65	52.9	42.3	63.5

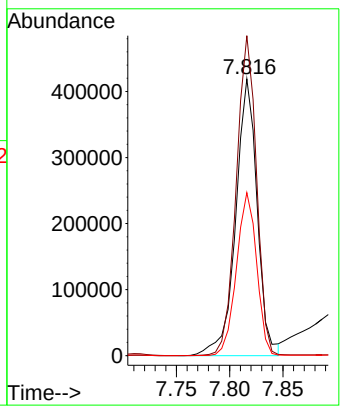




#27
2,4-Dimethylphenol
Concen: 41.191 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:122 Resp: 58815

Ion	Ratio	Lower	Upper
122	100		
107	115.6	92.5	138.7
121	58.9	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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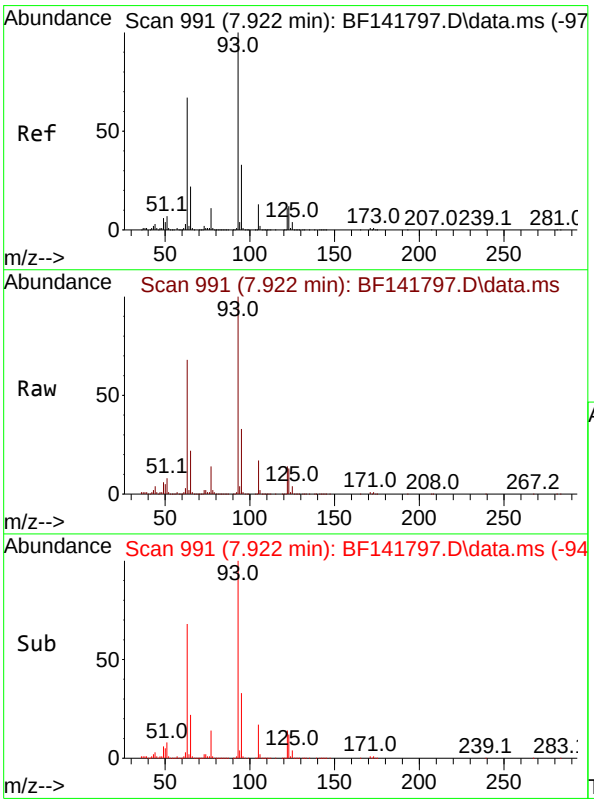
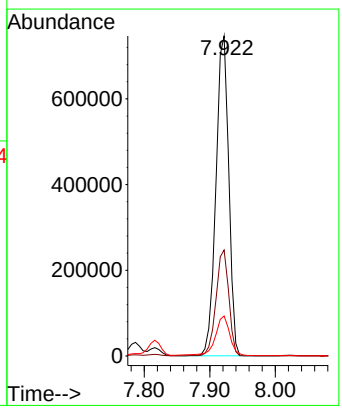
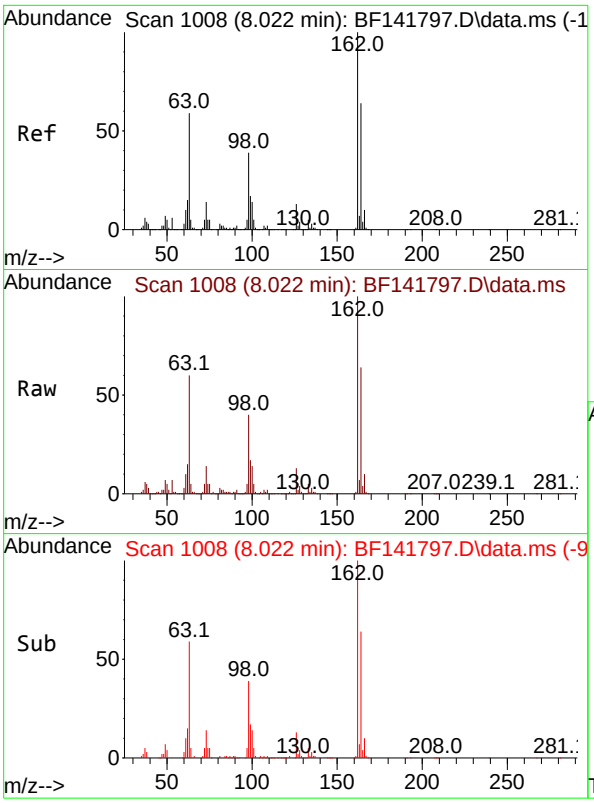


#28
bis(2-Chloroethoxy)methane
Concen: 40.624 ng
RT: 7.922 min Scan# 991
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 93 Resp: 1006606

Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.5	39.7
123	12.5	10.0	15.0





#29
2,4-Dichlorophenol
Concen: 41.819 ng
RT: 8.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:162 Resp: 68886

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.3	84.3
98	39.6	19.6	59.6

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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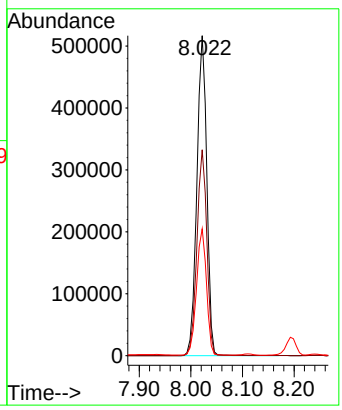
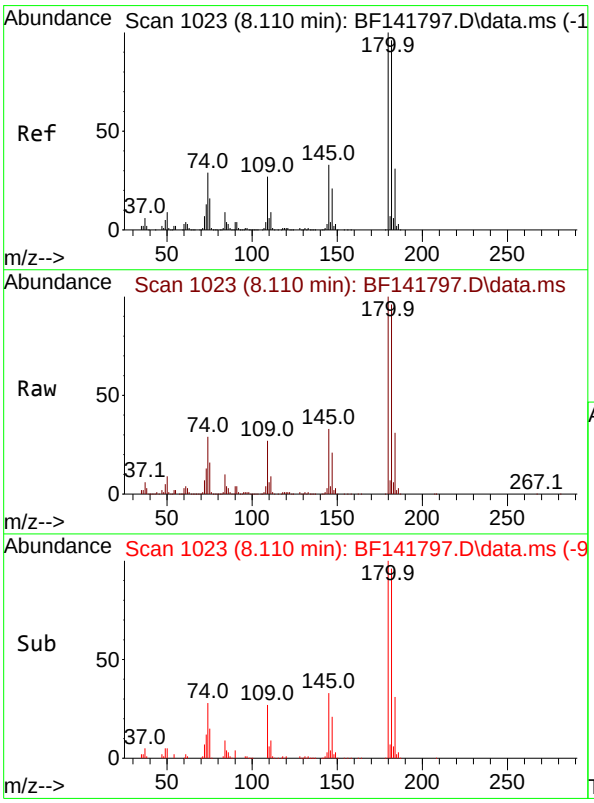
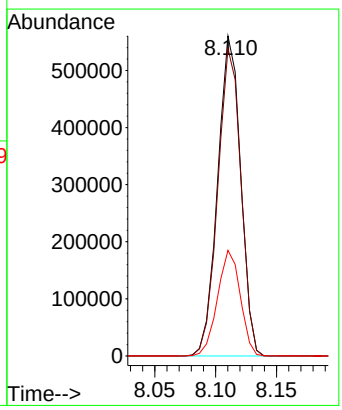


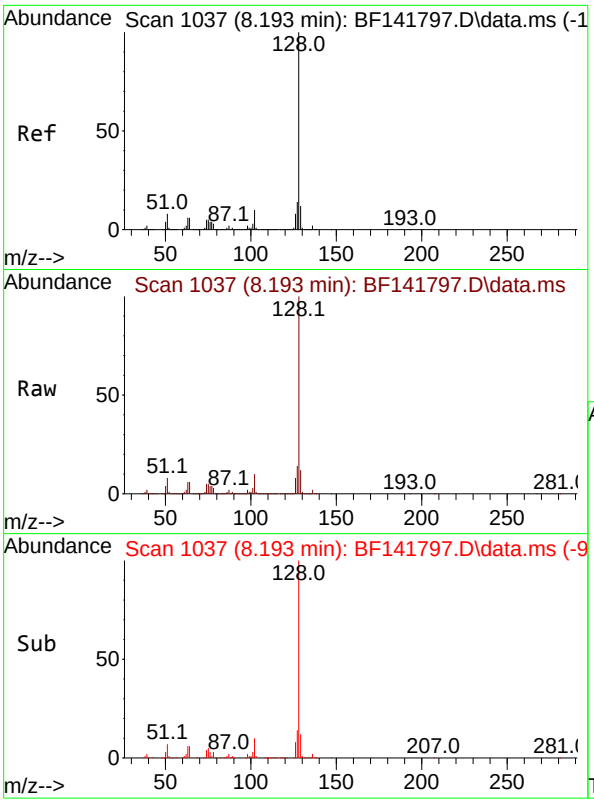


#30
1,2,4-Trichlorobenzene
Concen: 40.863 ng
RT: 8.110 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:180 Resp: 737573

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.8	115.2
145	33.0	26.4	39.6

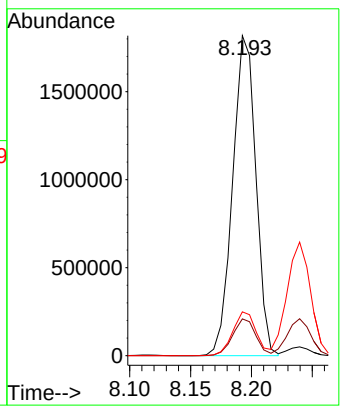




#31
Naphthalene
Concen: 40.588 ng
RT: 8.193 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:128 Resp: 241091

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.2	13.8
127	13.7	11.0	16.4



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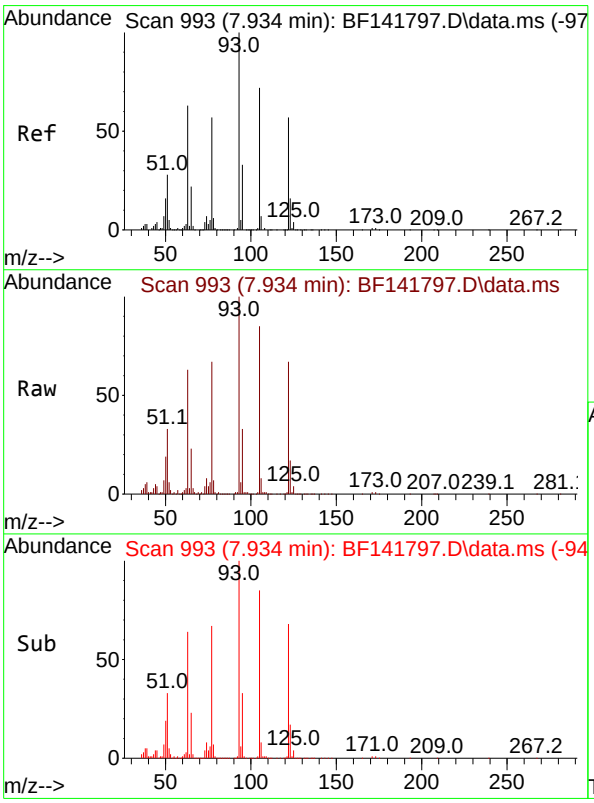
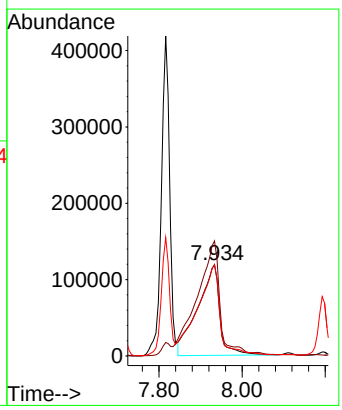
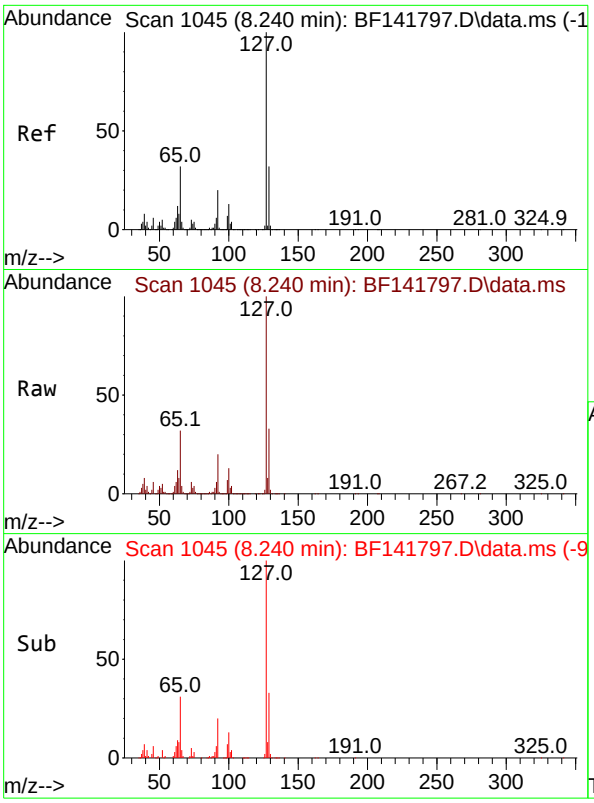


#32
Benzoic acid
Concen: 38.870 ng
RT: 7.934 min Scan# 993
Delta R.T. -0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:122 Resp: 442477

Ion	Ratio	Lower	Upper
122	100		
105	125.8	105.8	145.8
77	99.9	79.9	119.9

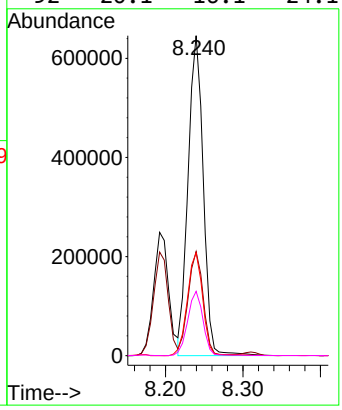




#33
4-Chloroaniline
Concen: 40.271 ng
RT: 8.240 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:127 Resp: 87708

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	32.1	25.7	38.5
92	20.1	16.1	24.1



Instrument :
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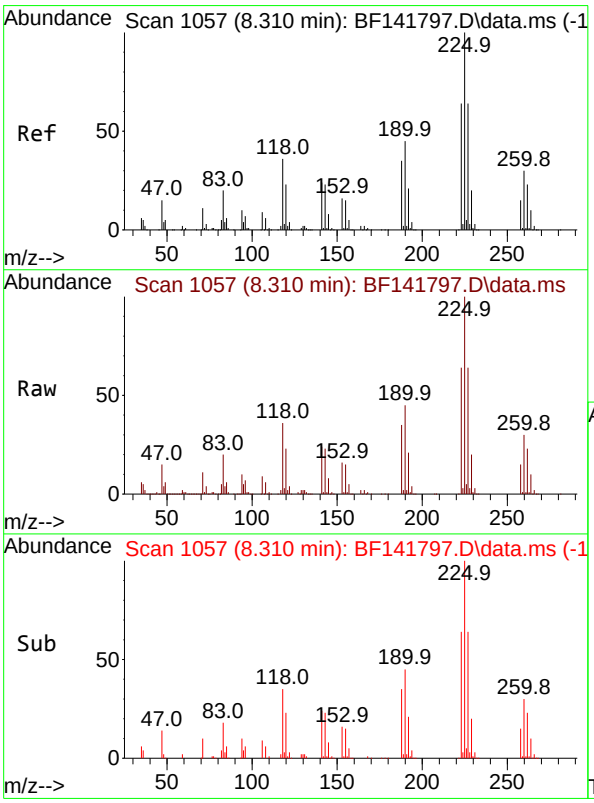
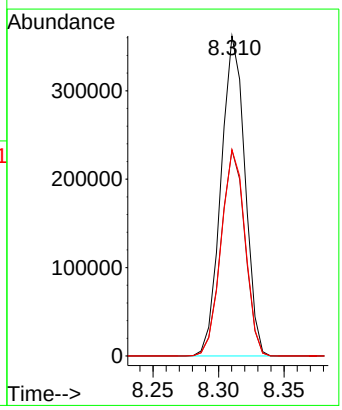
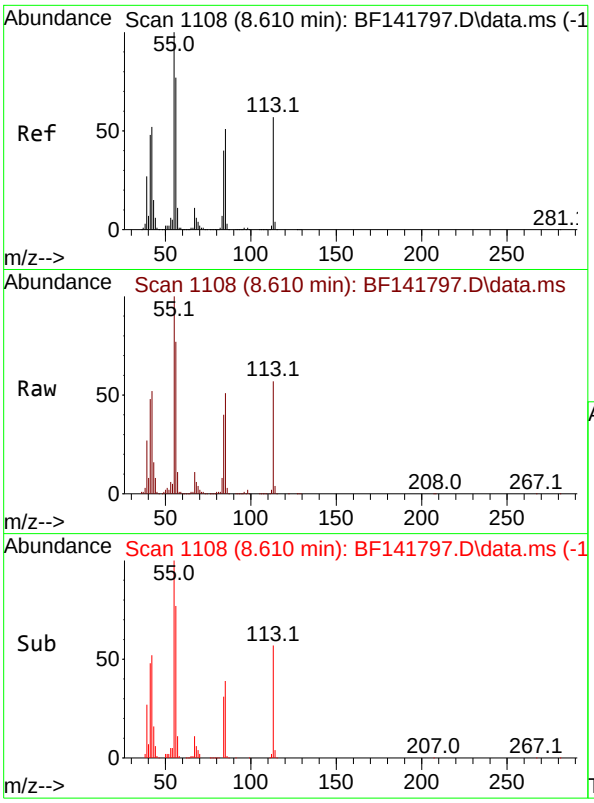


#34
Hexachlorobutadiene
Concen: 40.952 ng
RT: 8.310 min Scan# 1057
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:225 Resp: 459338

Ion	Ratio	Lower	Upper
225	100		
223	64.3	51.4	77.2
227	64.5	51.6	77.4





#35
Caprolactam
Concen: 41.695 ng m
RT: 8.610 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:113 Resp: 21133

Ion	Ratio	Lower	Upper
113	100		
55	175.6	155.6	195.6
56	134.6	114.6	154.6

Instrument :
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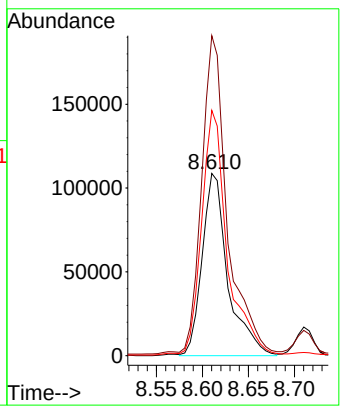
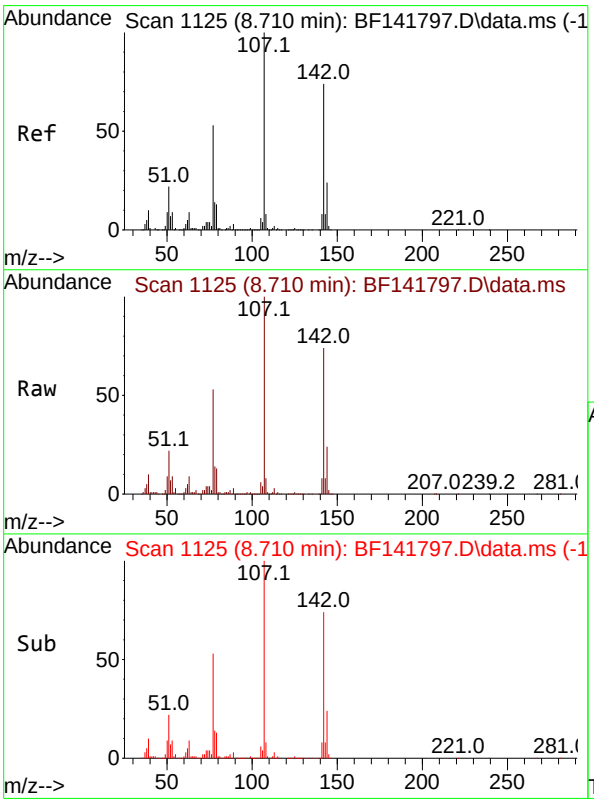
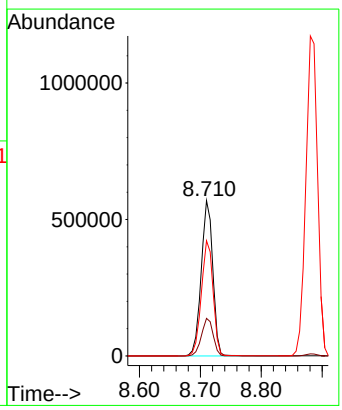


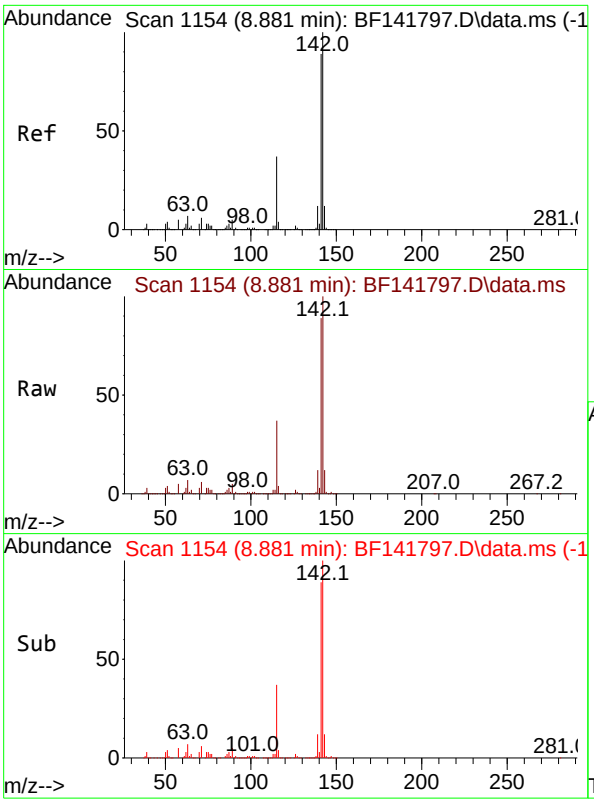


#36
4-Chloro-3-methylphenol
Concen: 41.148 ng
RT: 8.710 min Scan# 1125
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:107 Resp: 752961

Ion	Ratio	Lower	Upper
107	100		
144	24.2	19.4	29.0
142	74.2	59.4	89.0

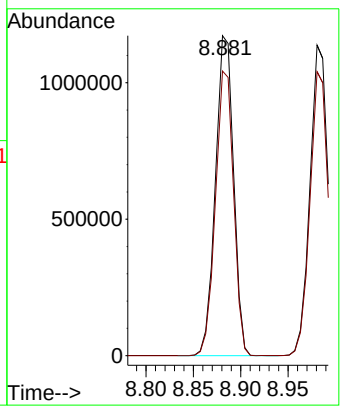




#37
2-Methylnaphthalene
Concen: 40.179 ng
RT: 8.881 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:142 Resp: 156542

Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.1	106.7



Instrument :
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ClientSampleId :
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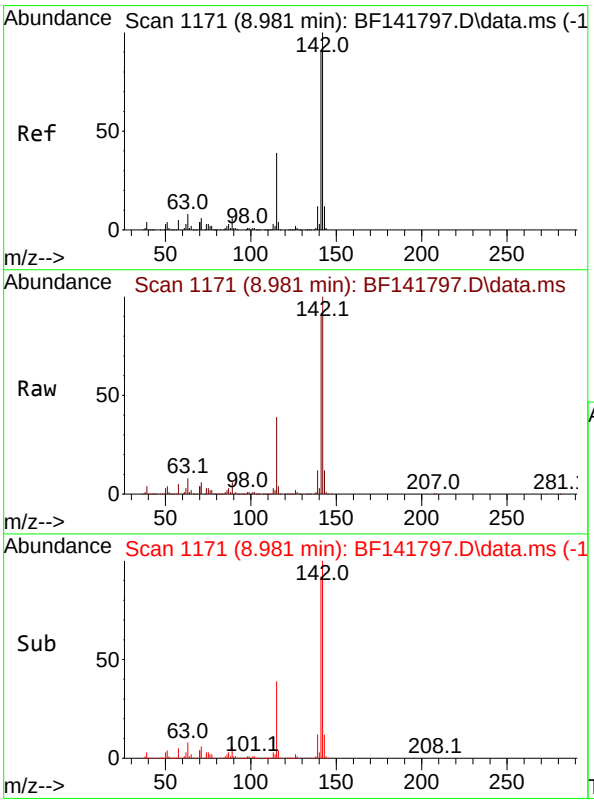
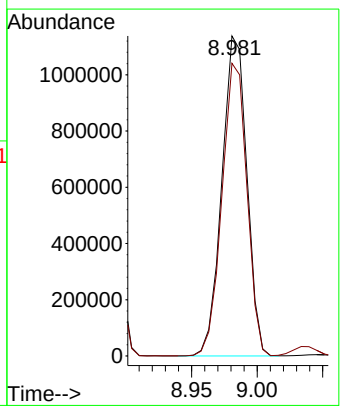
Supervised By :mohammad ahmed 02/28/2025

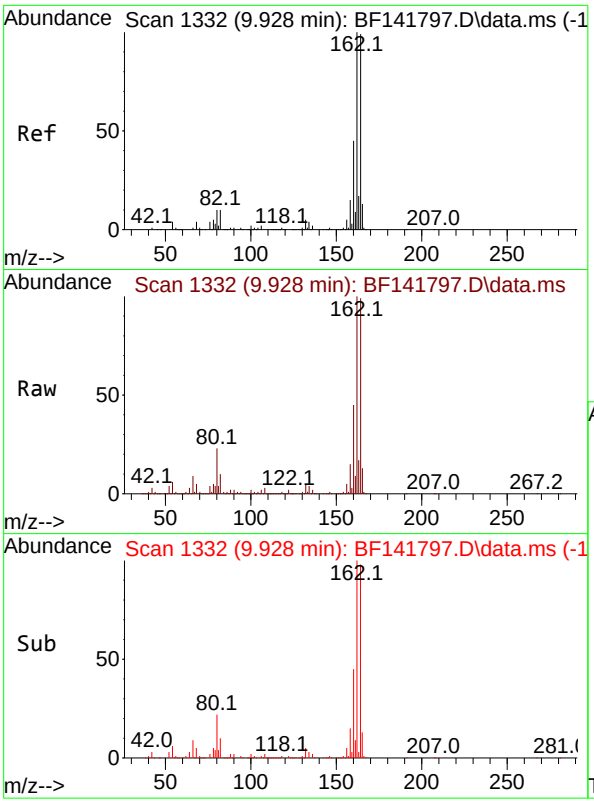


#38
1-Methylnaphthalene
Concen: 40.286 ng
RT: 8.981 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:142 Resp: 1506039

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.1	109.7

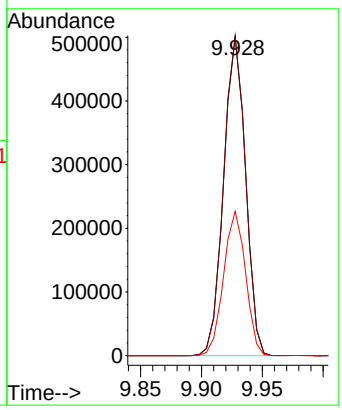




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:164 Resp: 62524

Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.6	120.8
160	45.4	36.3	54.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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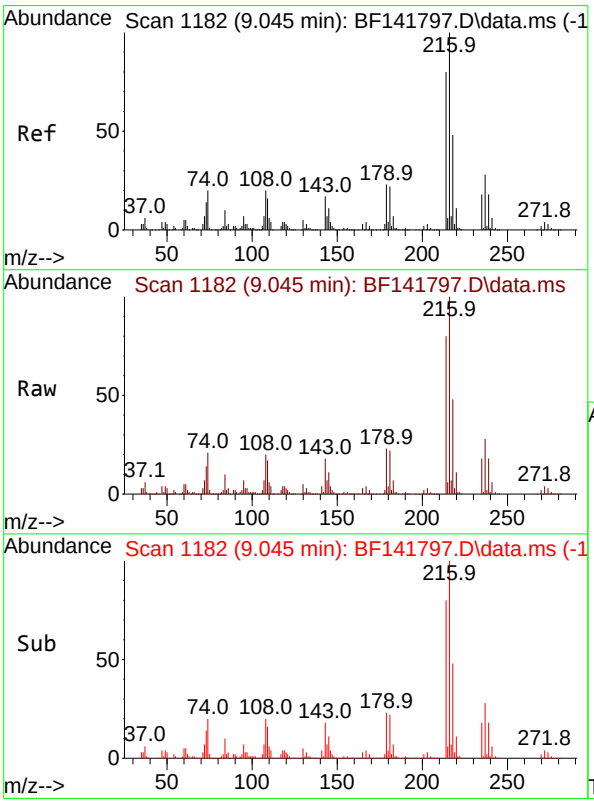
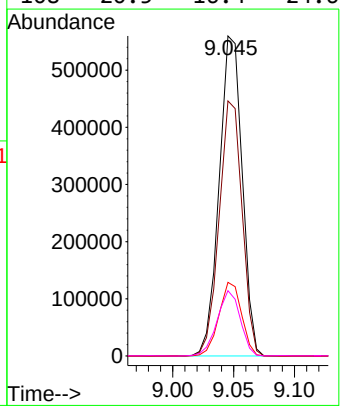
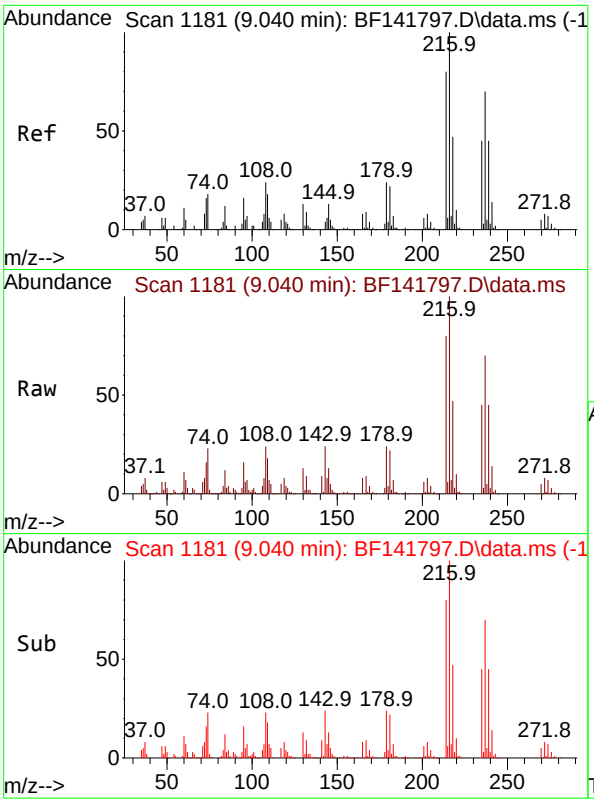


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.786 ng
RT: 9.045 min Scan# 1182
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:216 Resp: 736508

Ion	Ratio	Lower	Upper
216	100		
214	79.4	63.5	95.3
179	22.6	18.1	27.1
108	20.5	16.4	24.6





#41
Hexachlorocyclopentadiene
Concen: 42.882 ng
RT: 9.040 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 32316

Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.3	83.3
272	11.9	0.0	31.9

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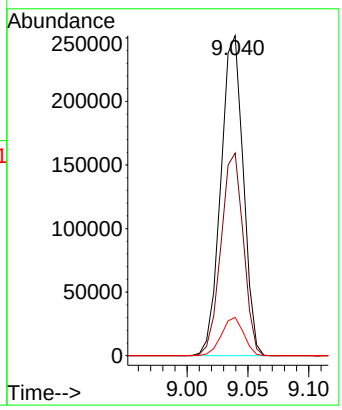
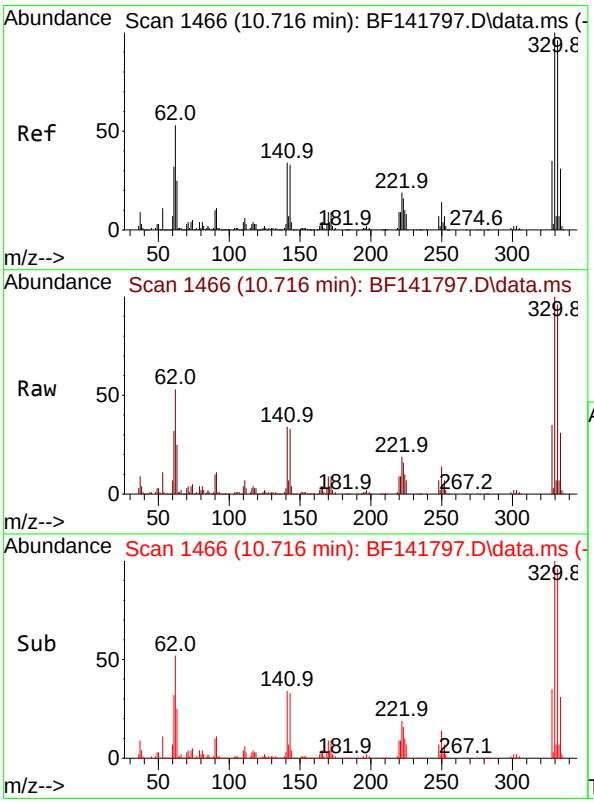
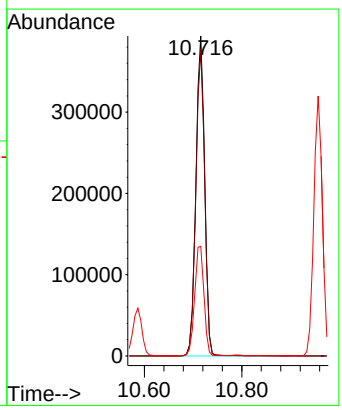


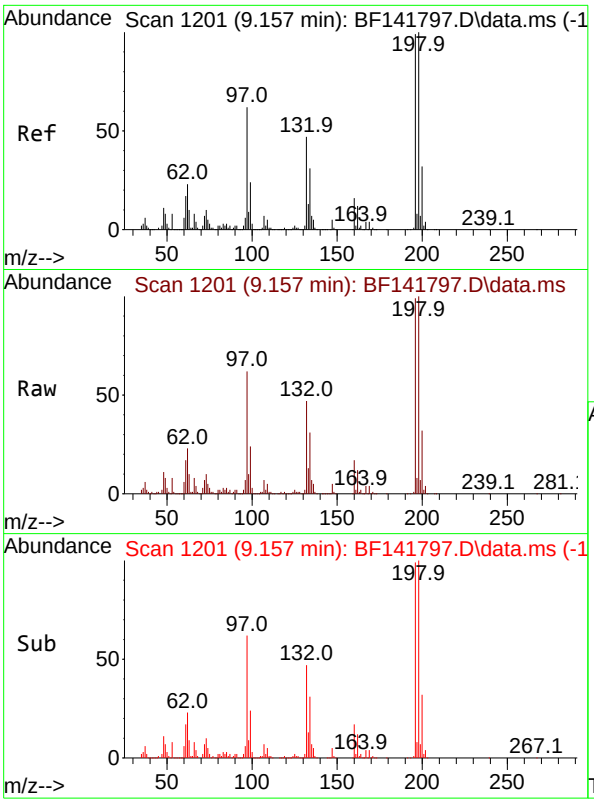


#42
2,4,6-Tribromophenol
Concen: 84.959 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:330 Resp: 498702

Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.6	115.0
141	36.2	29.0	43.4

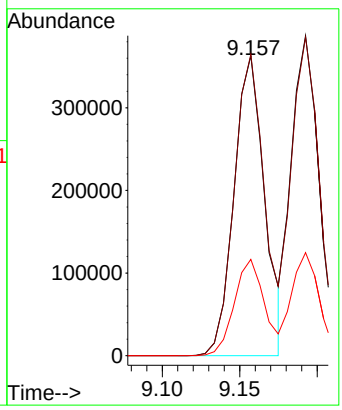




#43
2,4,6-Trichlorophenol
Concen: 42.623 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:196 Resp: 49718

Ion	Ratio	Lower	Upper
196	100		
198	100.5	80.4	120.6
200	32.1	25.7	38.5



Instrument :
BNA_F
ClientSampleId :
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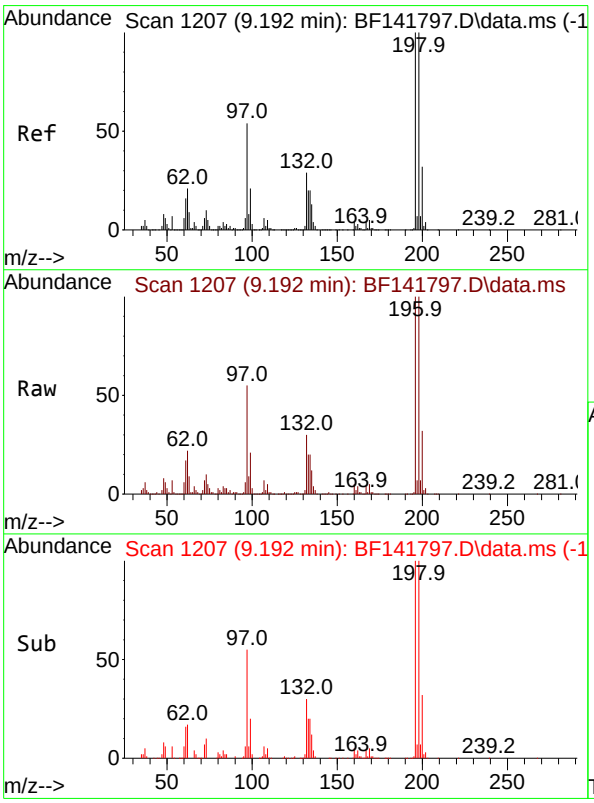
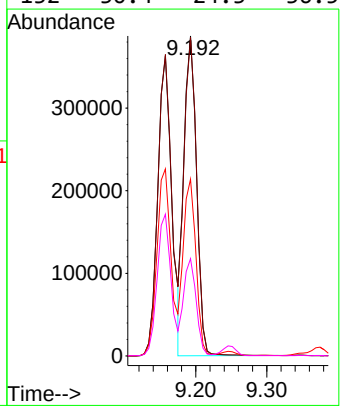
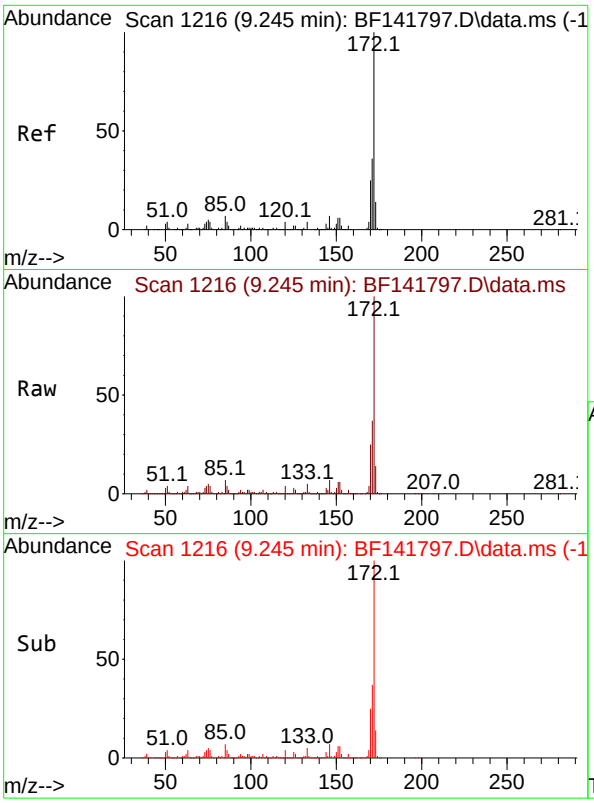


#44
2,4,5-Trichlorophenol
Concen: 41.448 ng
RT: 9.192 min Scan# 1207
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:196 Resp: 478749

Ion	Ratio	Lower	Upper
196	100		
198	99.6	79.7	119.5
97	55.2	44.2	66.2
132	30.4	24.3	36.5

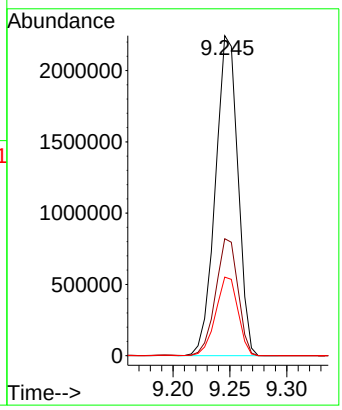




#45
2-Fluorobiphenyl
Concen: 79.348 ng
RT: 9.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:172 Resp: 309407

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.2	43.8
170	24.6	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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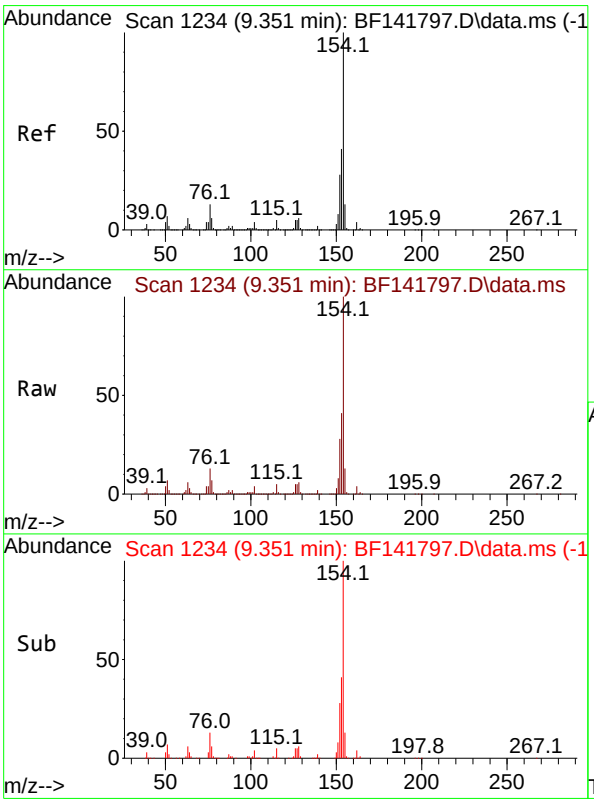
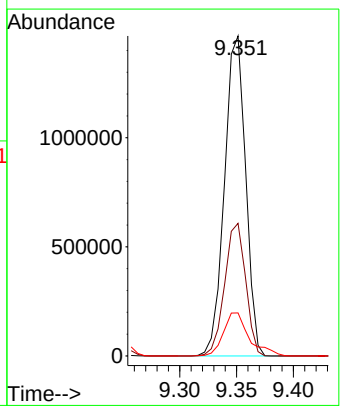
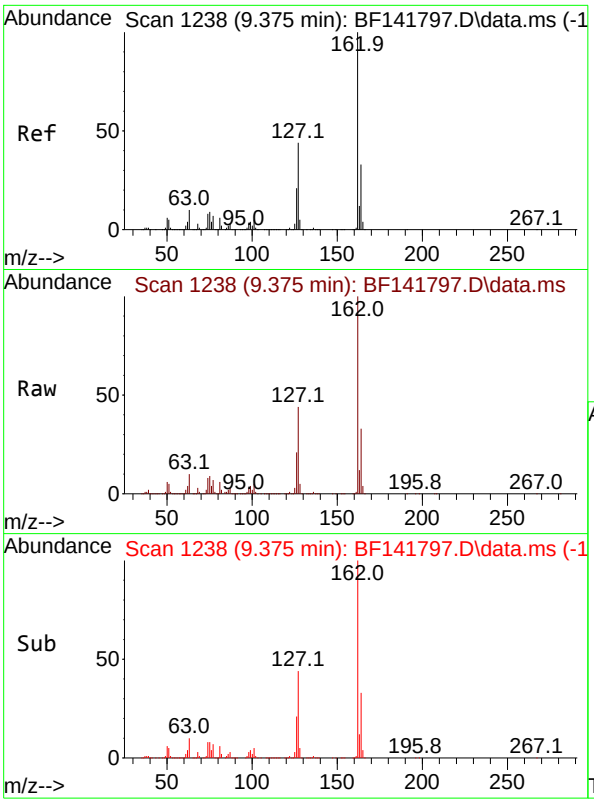


#46
1,1'-Biphenyl
Concen: 39.917 ng
RT: 9.351 min Scan# 1234
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:154 Resp: 1899694

Ion	Ratio	Lower	Upper
154	100		
153	41.4	21.4	61.4
76	13.4	0.0	33.4

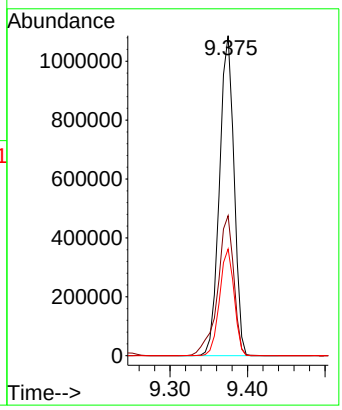




#47
2-Chloronaphthalene
Concen: 40.402 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:162 Resp: 141914

Ion	Ratio	Lower	Upper
162	100		
127	43.8	35.0	52.6
164	33.3	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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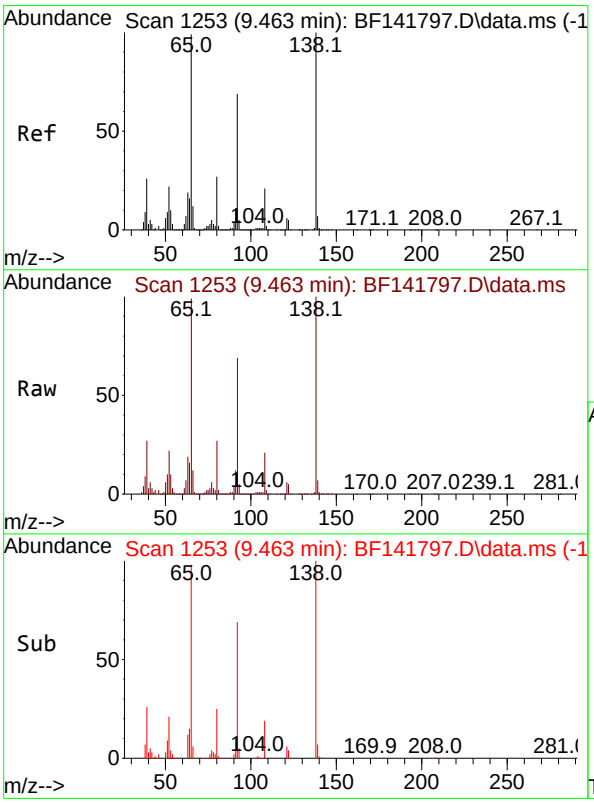
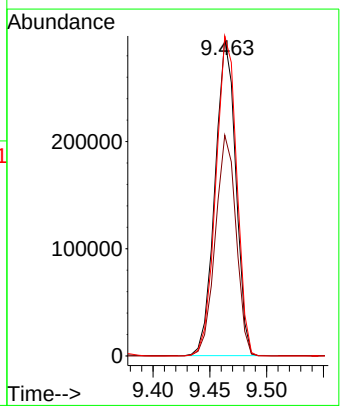
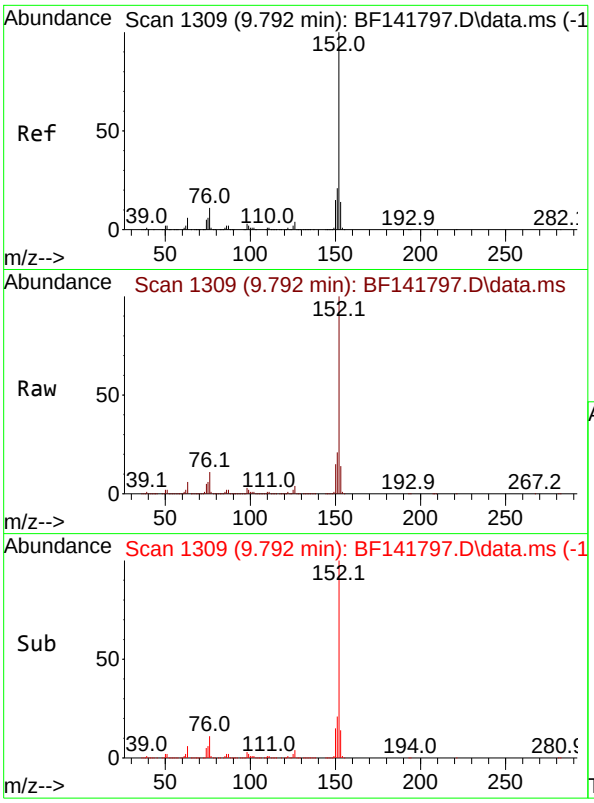


#48
2-Nitroaniline
Concen: 39.827 ng
RT: 9.463 min Scan# 1253
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 65 Resp: 375120

Ion	Ratio	Lower	Upper
65	100		
92	69.6	55.7	83.5
138	100.8	80.6	121.0





#49
Acenaphthylene
Concen: 40.629 ng
RT: 9.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 213972

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.6	24.8
153	14.0	11.2	16.8

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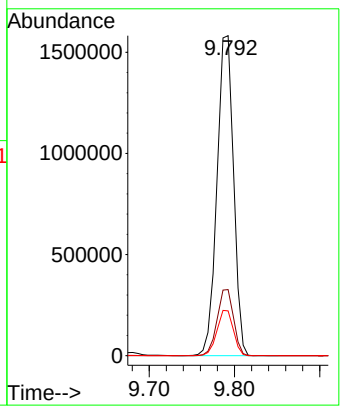
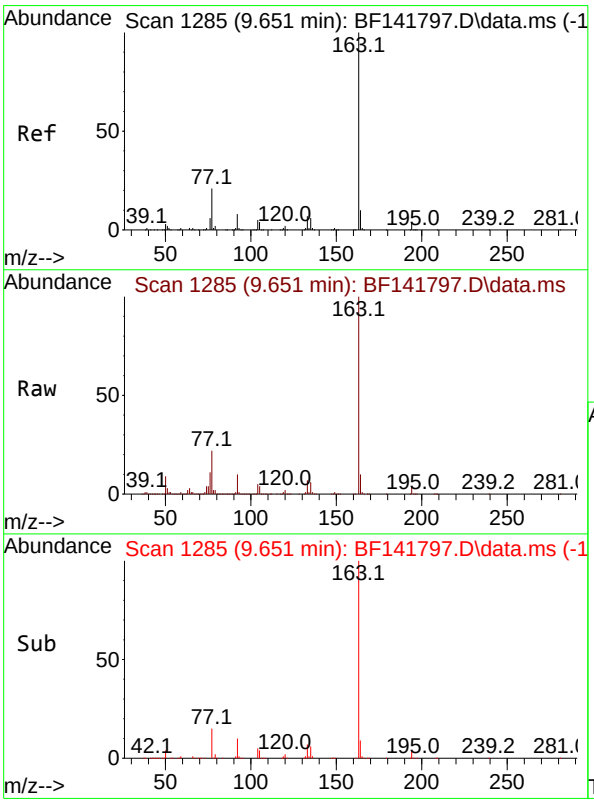
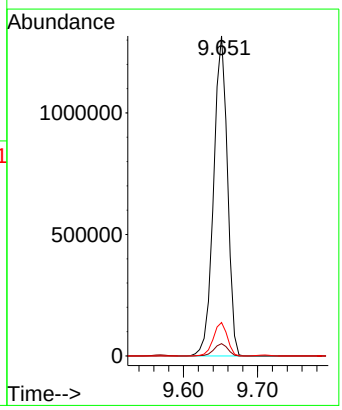


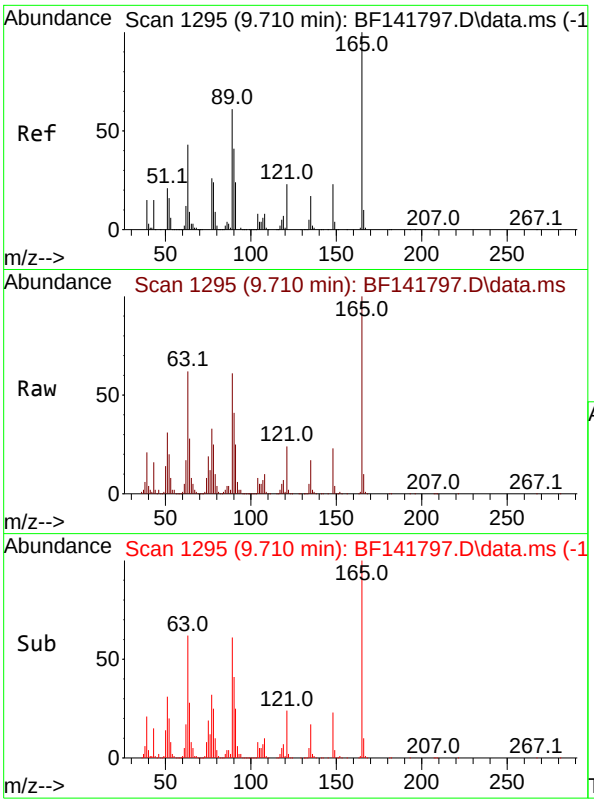


#50
Dimethylphthalate
Concen: 40.710 ng
RT: 9.651 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:163 Resp: 1704601

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.5	8.4	12.6

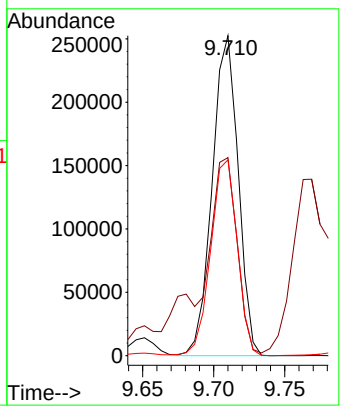




#51
2,6-Dinitrotoluene
Concen: 40.557 ng
RT: 9.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:165 Resp: 32112

Ion	Ratio	Lower	Upper
165	100		
63	61.9	49.5	74.3
89	61.2	49.0	73.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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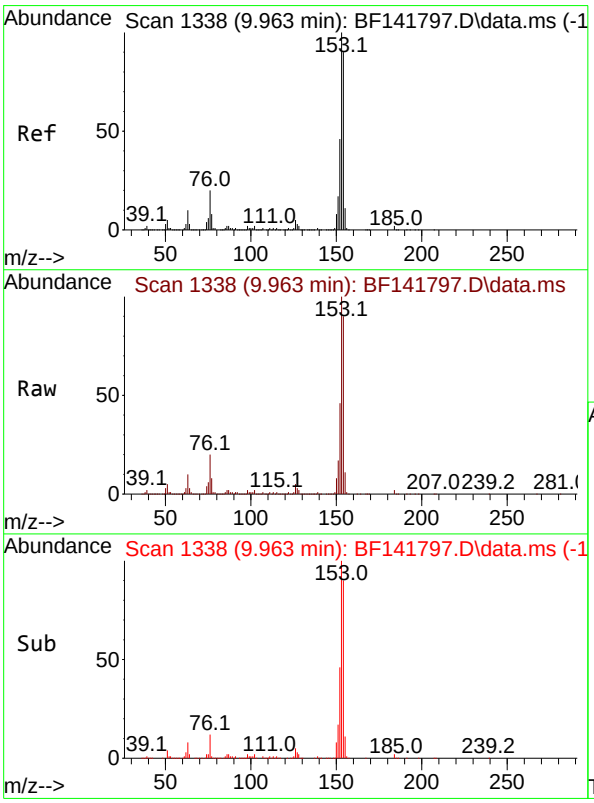
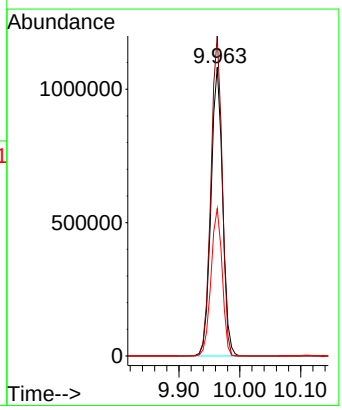
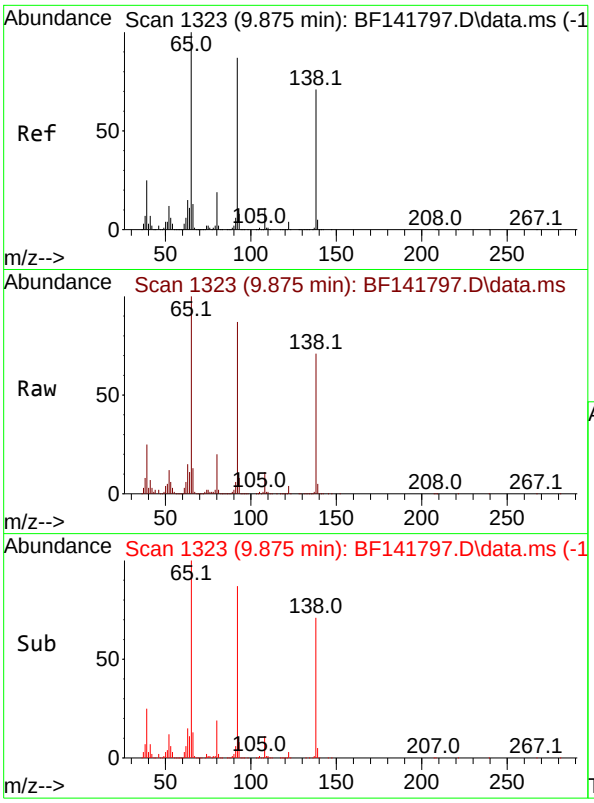


#52
Acenaphthene
Concen: 40.461 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:154 Resp: 1437821

Ion	Ratio	Lower	Upper
154	100		
153	110.9	88.7	133.1
152	51.1	40.9	61.3





#53
3-Nitroaniline
Concen: 41.045 ng
RT: 9.875 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:138 Resp: 34629

Ion	Ratio	Lower	Upper
138	100		
108	15.9	12.7	19.1
92	122.4	97.9	146.9

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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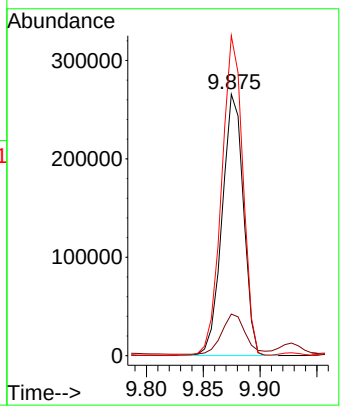
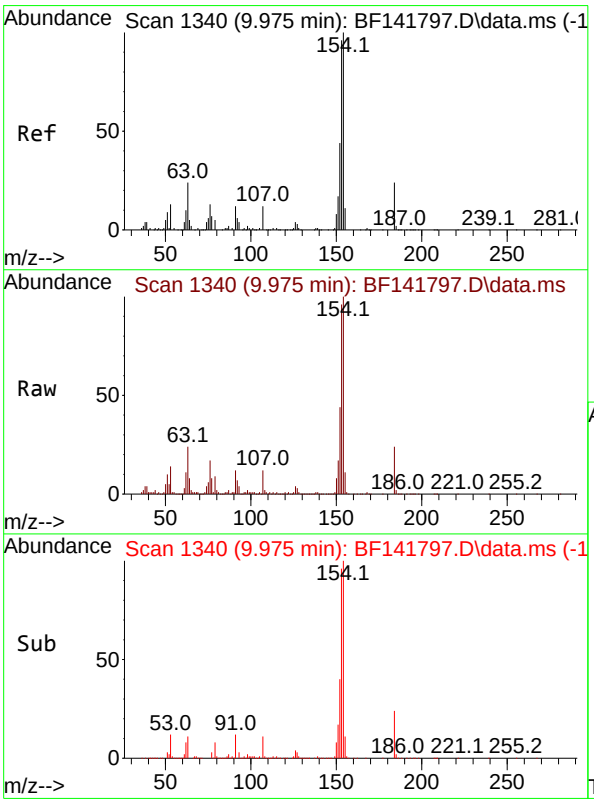
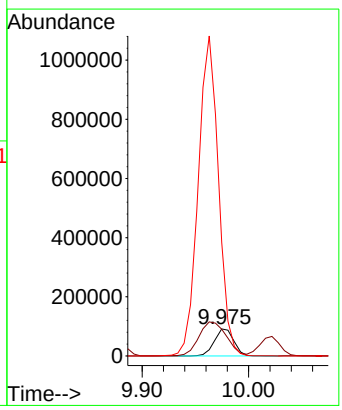


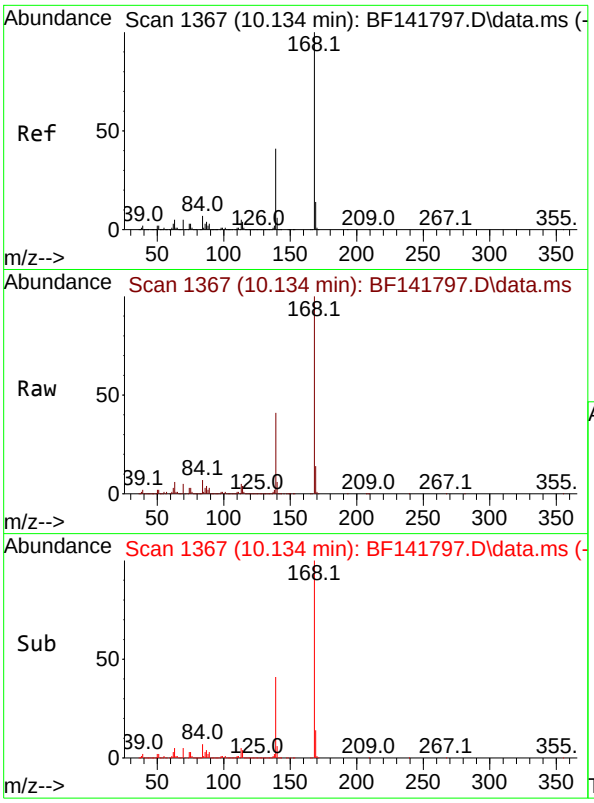


#54
2,4-Dinitrophenol
Concen: 39.874 ng
RT: 9.975 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:184 Resp: 115933

Ion	Ratio	Lower	Upper
184	100		
63	98.8	79.0	118.6
154	419.8	335.8	503.8





#55
Dibenzofuran
Concen: 40.198 ng
RT: 10.134 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 207913

Ion	Ratio	Lower	Upper
168	100		
139	41.1	32.9	49.3
169	13.9	11.1	16.7

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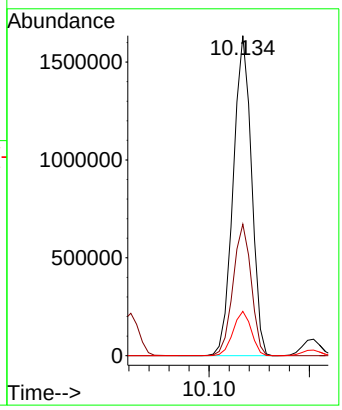
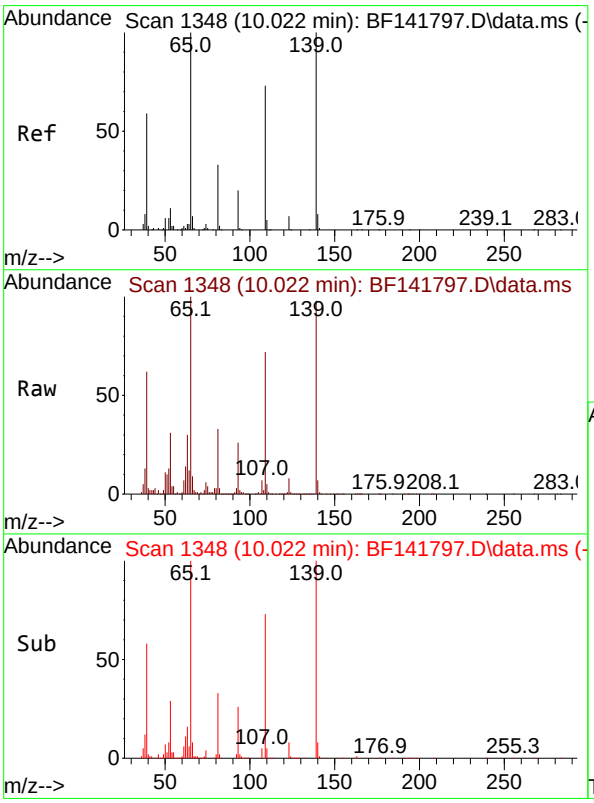
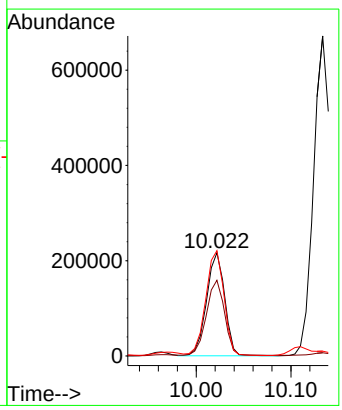


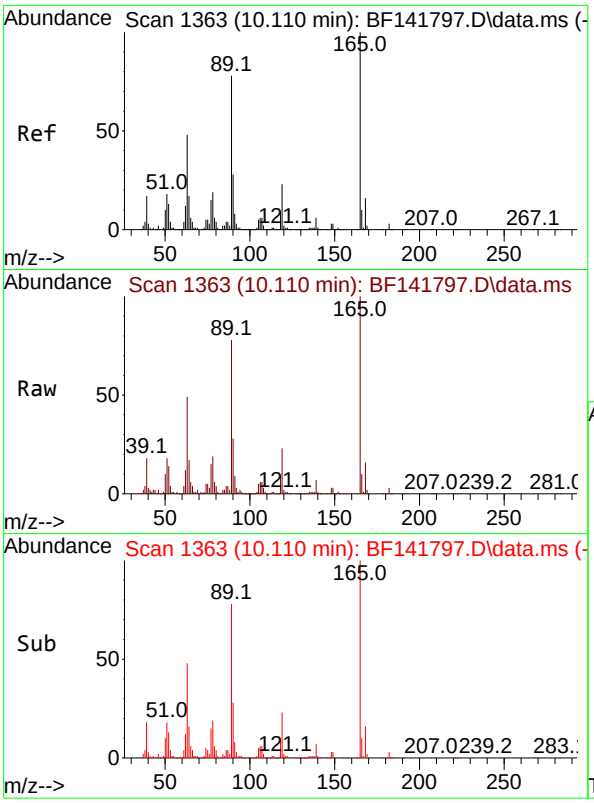


#56
4-Nitrophenol
Concen: 46.172 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:139 Resp: 285537

Ion	Ratio	Lower	Upper
139	100		
109	73.4	53.4	93.4
65	102.1	82.1	122.1

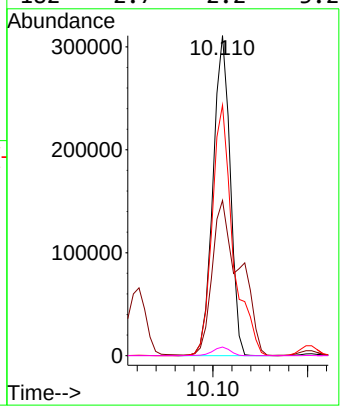




#57
2,4-Dinitrotoluene
Concen: 40.635 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:165 Resp: 39185

Ion	Ratio	Lower	Upper
165	100		
63	48.5	38.8	58.2
89	78.3	62.6	94.0
182	2.7	2.2	3.2



Instrument :
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ClientSampleId :
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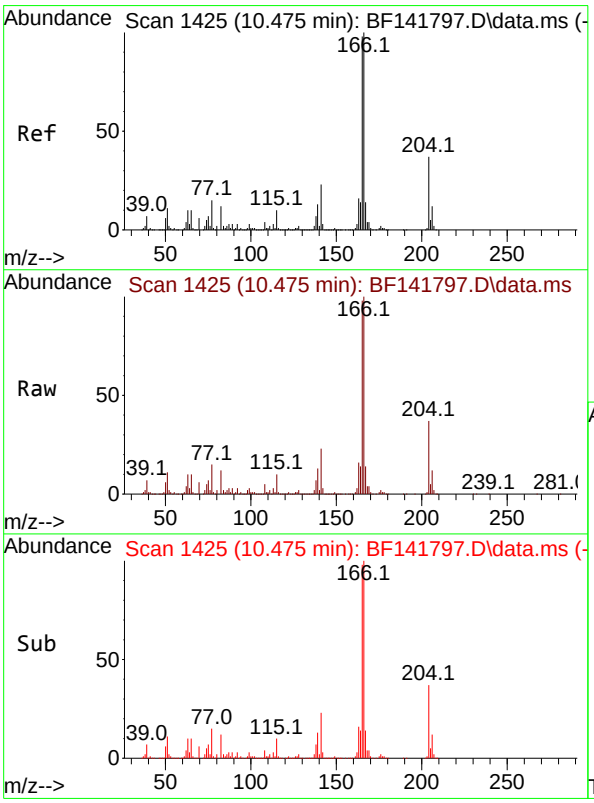
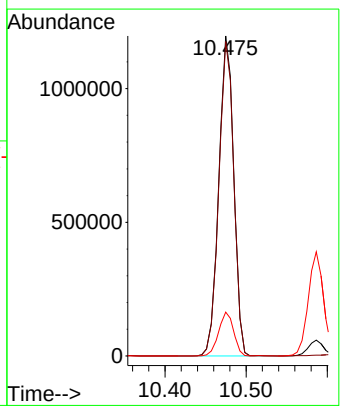
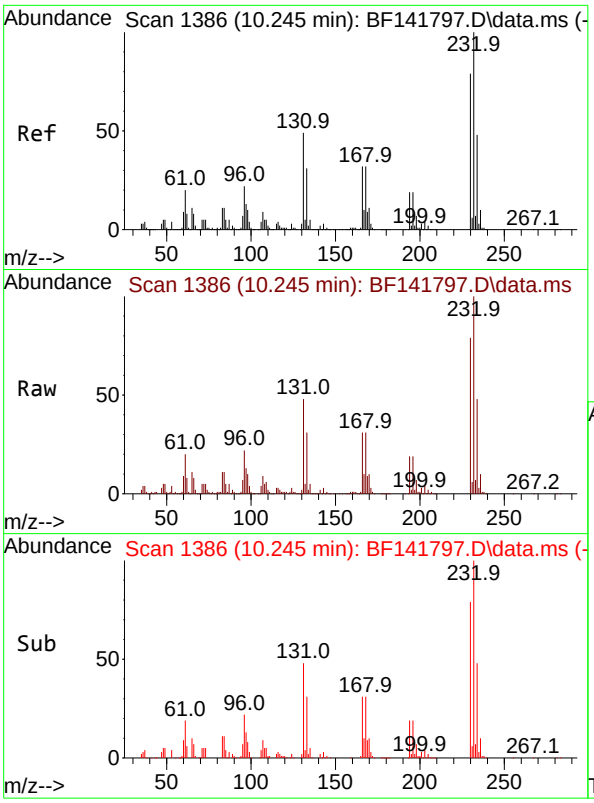


#58
Fluorene
Concen: 39.650 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:166 Resp: 1536139

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.6	117.8
167	13.7	11.0	16.4

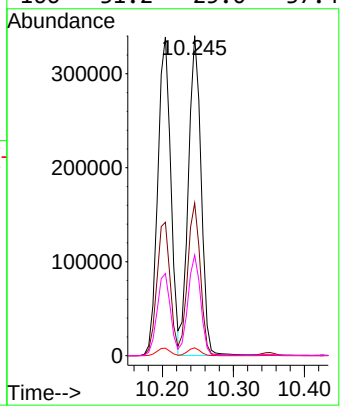




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.235 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:232 Resp: 42427

Ion	Ratio	Lower	Upper
232	100		
131	47.3	37.8	56.8
130	2.5	2.0	3.0
166	31.2	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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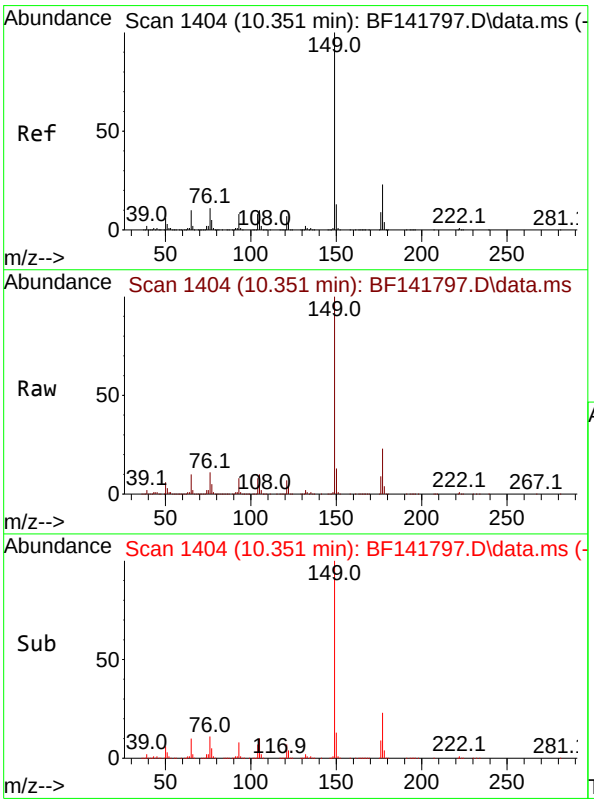
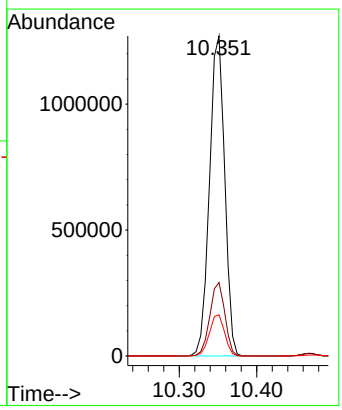
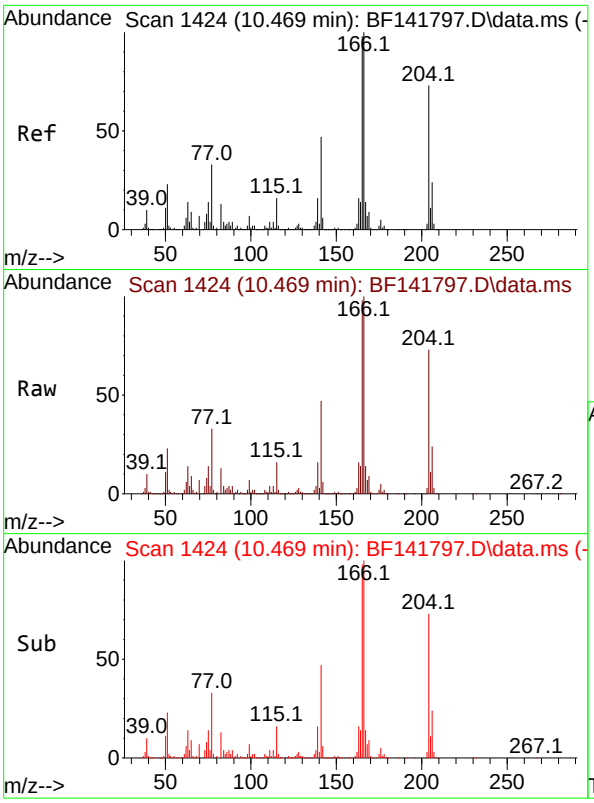


#60
Diethylphthalate
Concen: 41.203 ng
RT: 10.351 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:149 Resp: 1729522

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.3	27.5
150	12.9	10.3	15.5





#61
4-Chlorophenyl-phenylether
Concen: 39.939 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 77527

Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.2	39.4
141	64.6	51.7	77.5

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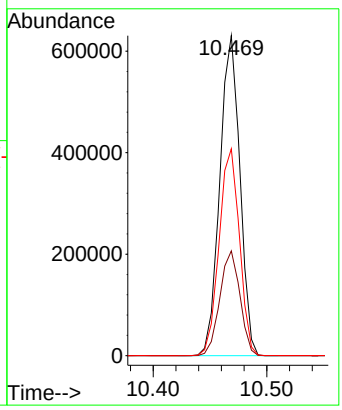
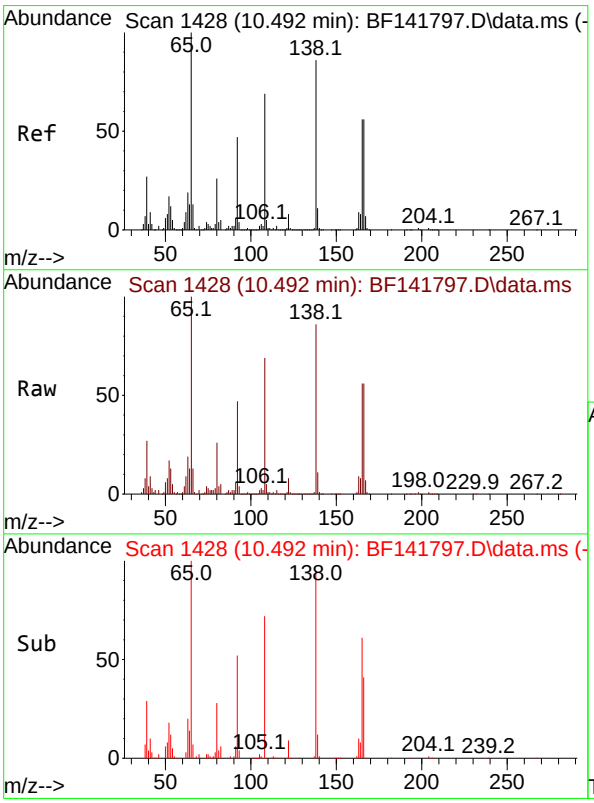
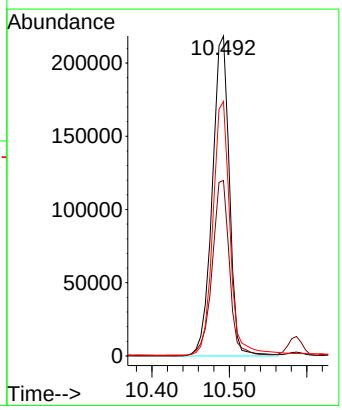


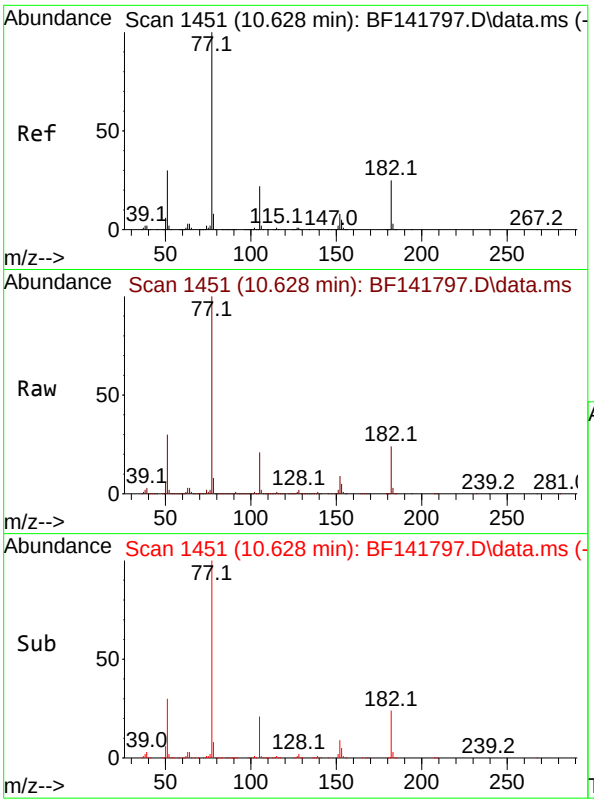


#62
4-Nitroaniline
Concen: 46.685 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:138 Resp: 333830

Ion	Ratio	Lower	Upper
138	100		
92	54.9	34.9	74.9
108	79.6	59.6	99.6

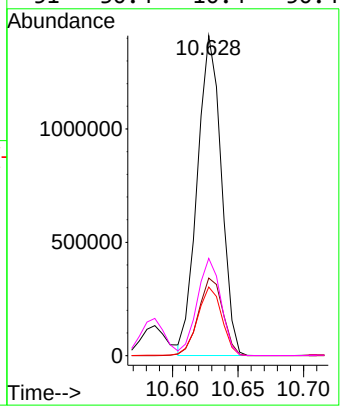




#63
Azobenzene
Concen: 40.657 ng
RT: 10.628 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 77 Resp: 179690

Ion	Ratio	Lower	Upper
77	100		
182	24.2	4.2	44.2
105	21.5	1.5	41.5
51	30.4	10.4	50.4



Instrument :
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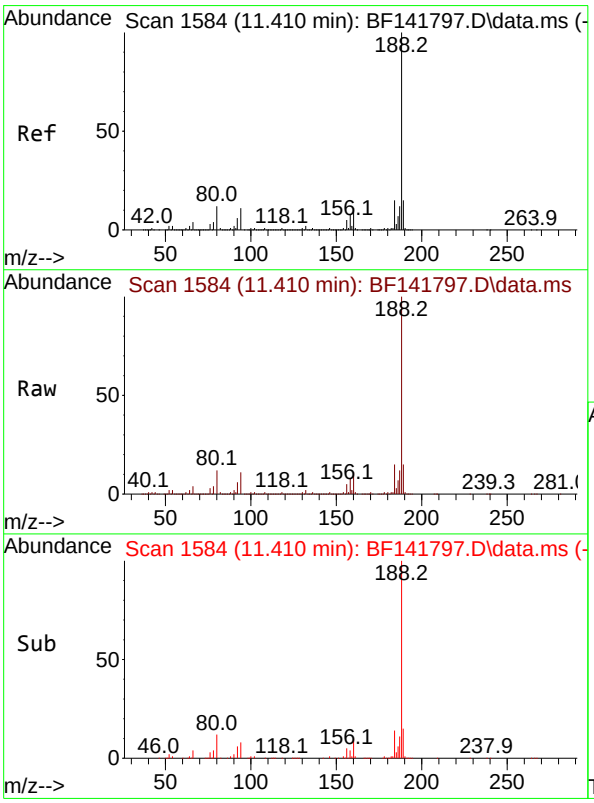
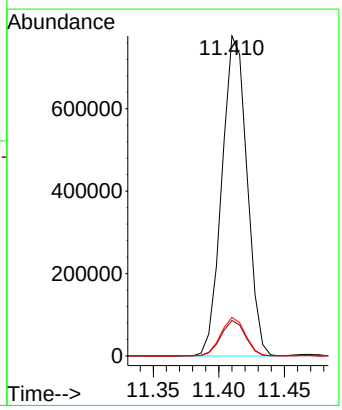
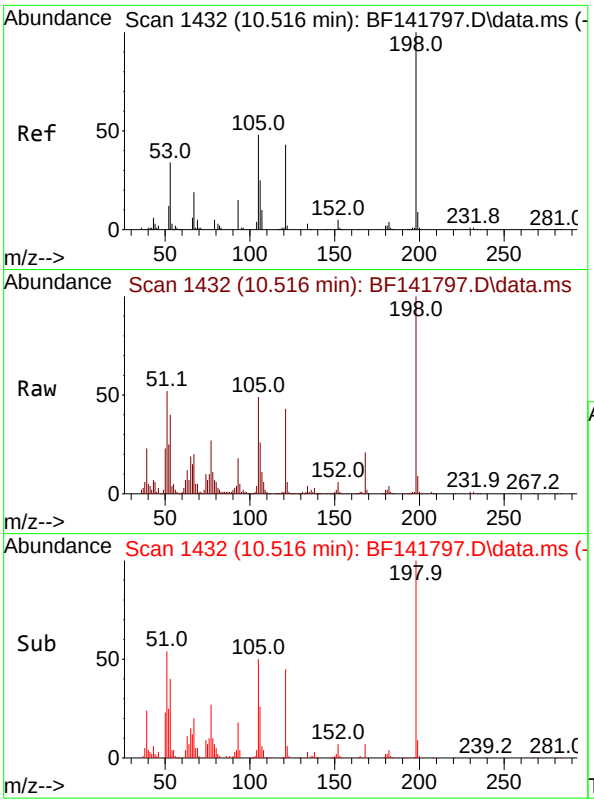


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:188 Resp: 1031875

Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.9	13.3
80	12.1	9.7	14.5





#65
4,6-Dinitro-2-methylphenol
Concen: 38.731 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 179018

Ion	Ratio	Lower	Upper
198	100		
51	52.1	32.1	72.1
105	48.5	28.5	68.5

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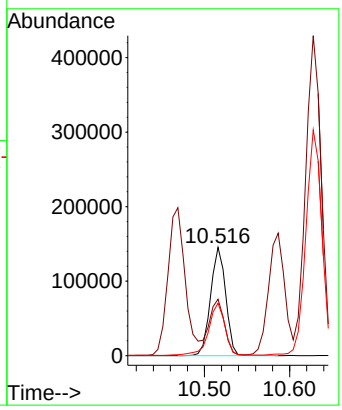
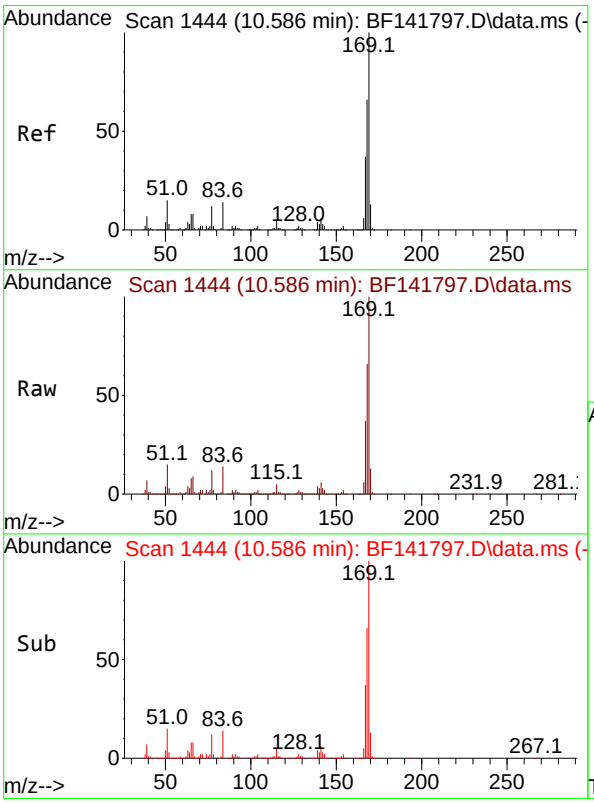
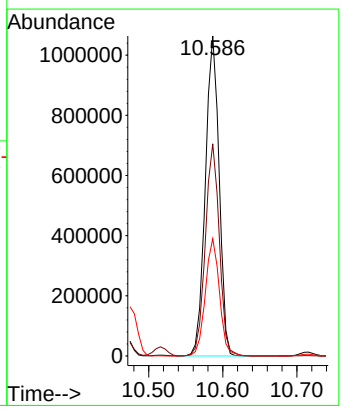


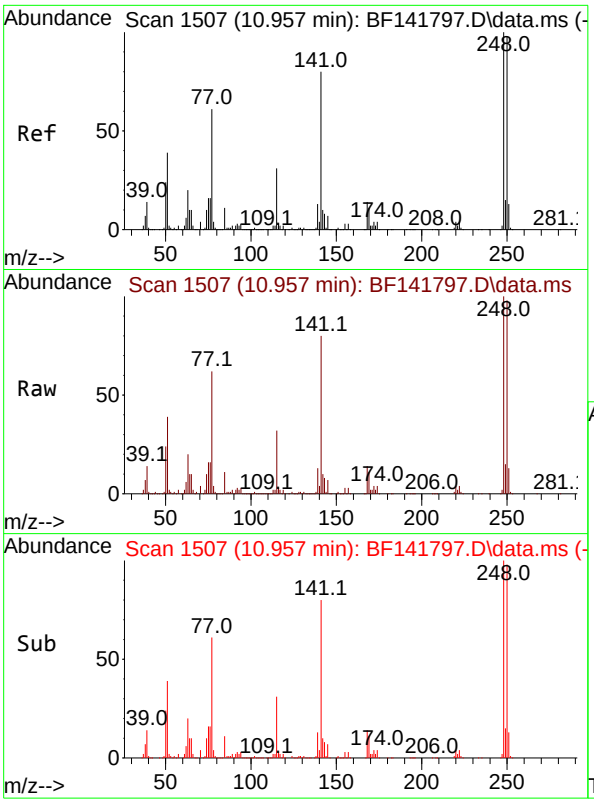


#66
n-Nitrosodiphenylamine
Concen: 40.485 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:169 Resp: 1371761

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.0	79.6
167	36.6	29.3	43.9

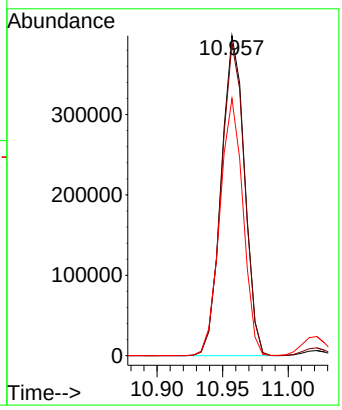




#67
4-Bromophenyl-phenylether
Concen: 40.722 ng
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:248 Resp: 49081

Ion	Ratio	Lower	Upper
248	100		
250	97.6	78.1	117.1
141	80.4	64.3	96.5



Instrument :
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ClientSampleId :
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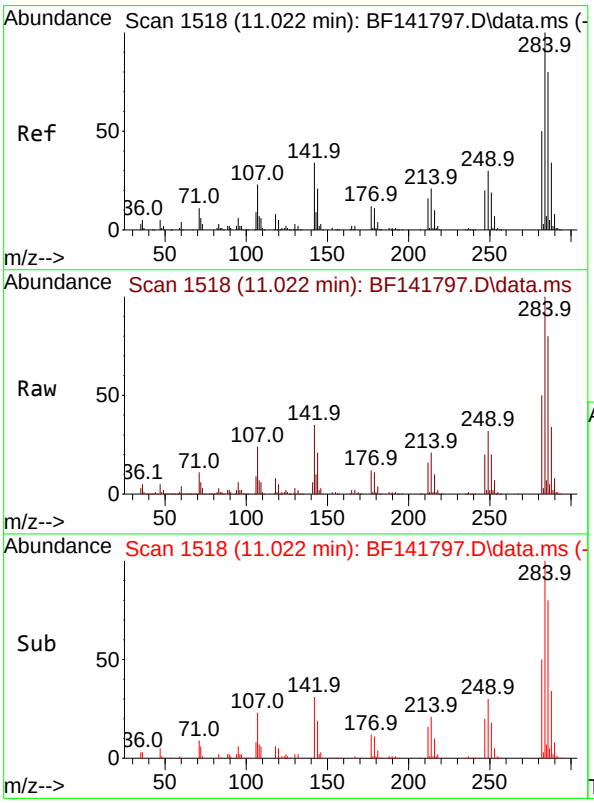
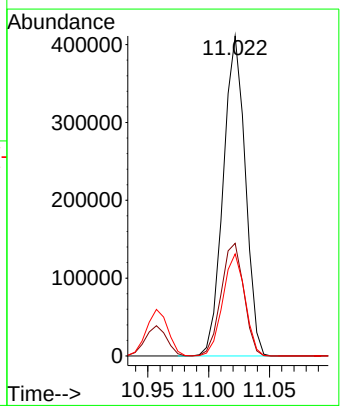
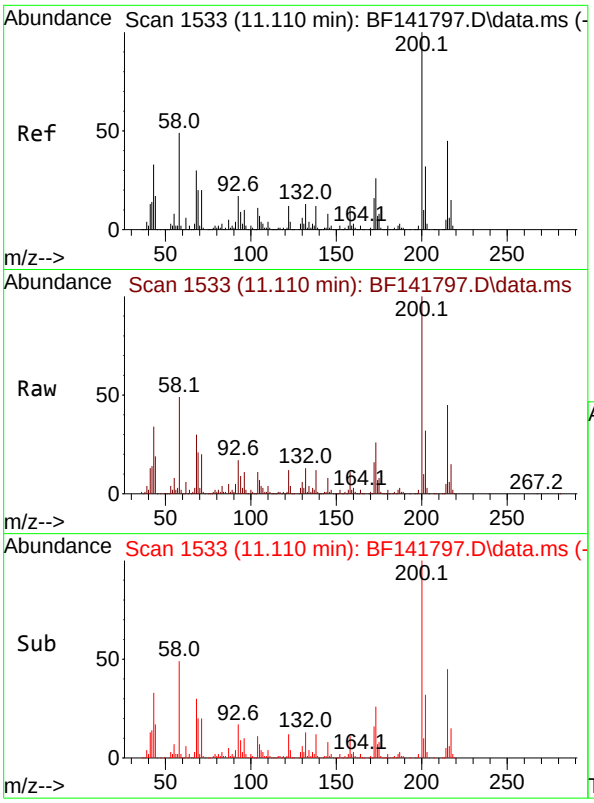


#68
Hexachlorobenzene
Concen: 40.721 ng
RT: 11.022 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:284 Resp: 518266

Ion	Ratio	Lower	Upper
284	100		
142	35.2	28.2	42.2
249	31.9	25.5	38.3





#69
Atrazine
Concen: 39.649 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 36943

Ion	Ratio	Lower	Upper
200	100		
173	25.6	5.6	45.6
215	45.3	25.3	65.3

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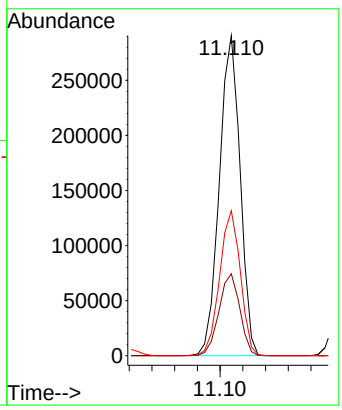
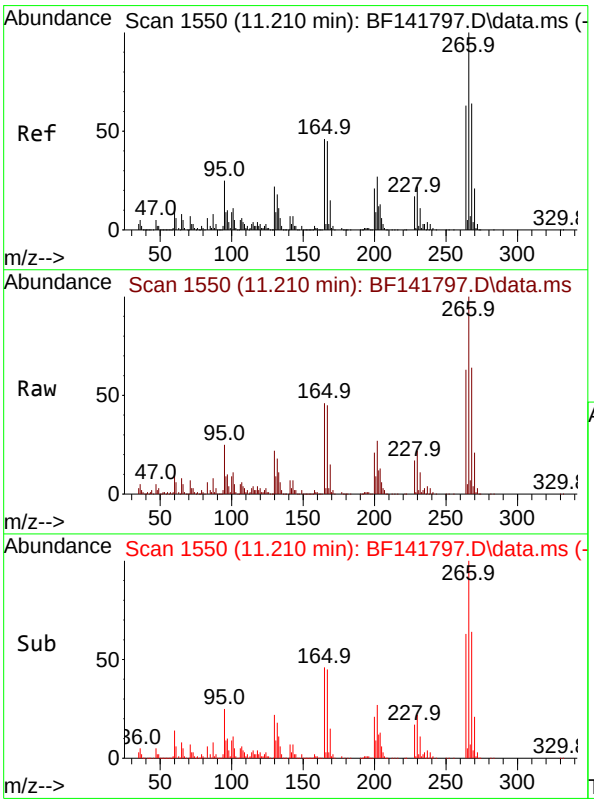
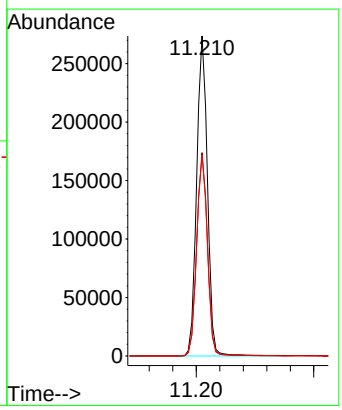


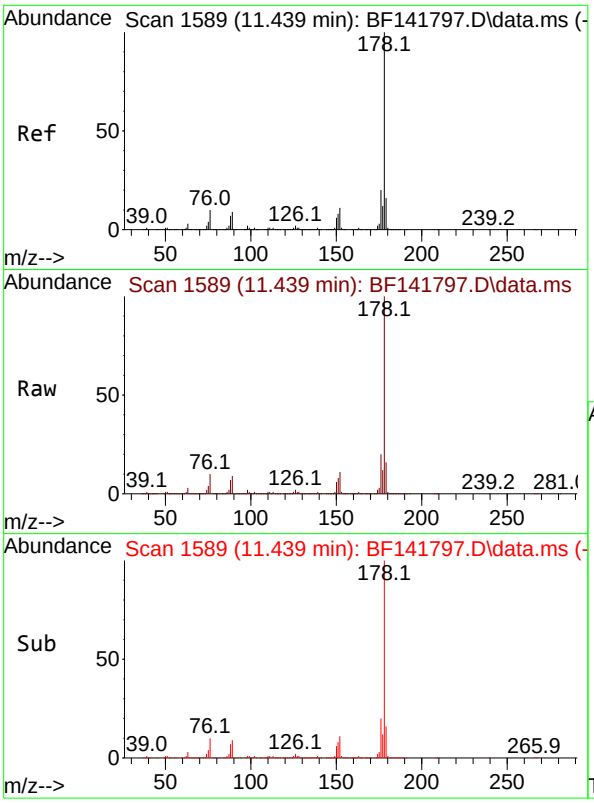


#70
Pentachlorophenol
Concen: 43.086 ng
RT: 11.210 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:266 Resp: 347791

Ion	Ratio	Lower	Upper
266	100		
268	63.6	50.9	76.3
264	62.8	50.2	75.4

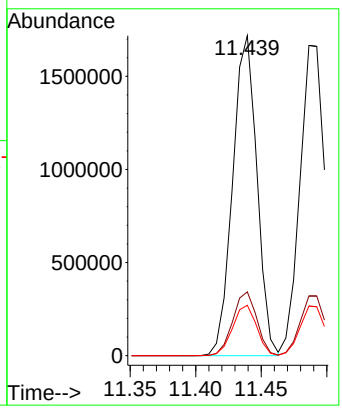




#71
Phenanthrene
Concen: 40.130 ng
RT: 11.439 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:178 Resp: 221495

Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.0	24.0
179	15.8	12.6	19.0



Instrument :
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ClientSampleId :
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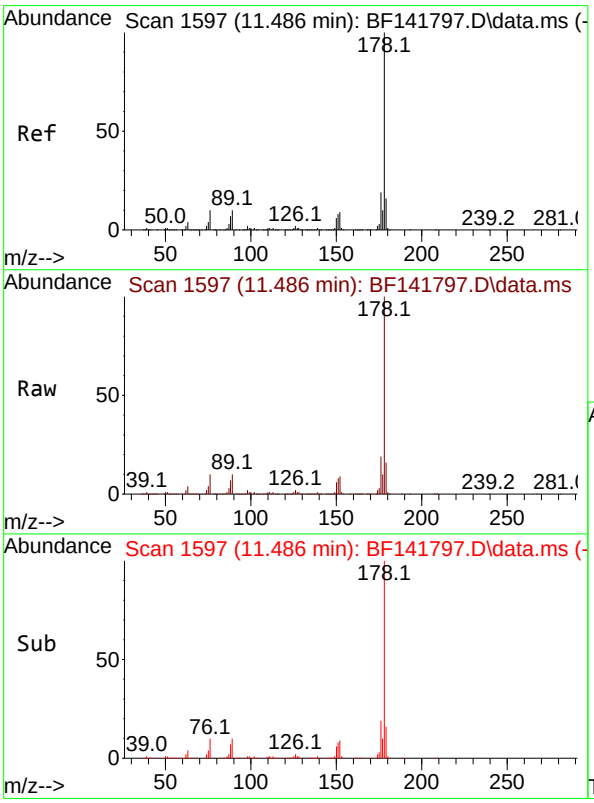
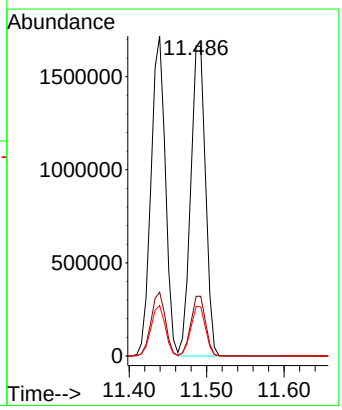
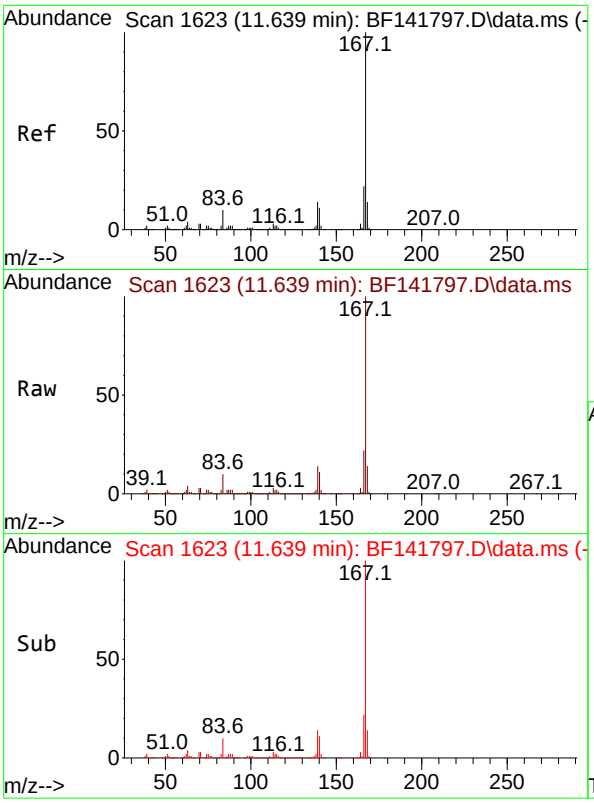


#72
Anthracene
Concen: 39.845 ng
RT: 11.486 min Scan# 1597
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:178 Resp: 2204147

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	16.0	12.8	19.2

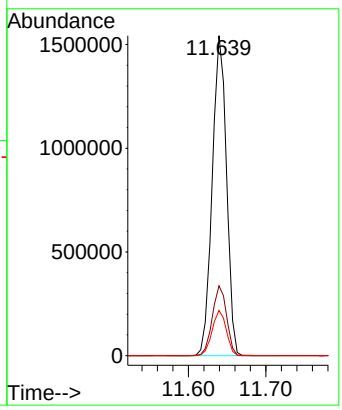




#73
Carbazole
Concen: 40.358 ng
RT: 11.639 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:167 Resp: 197149

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.5	26.3
139	14.1	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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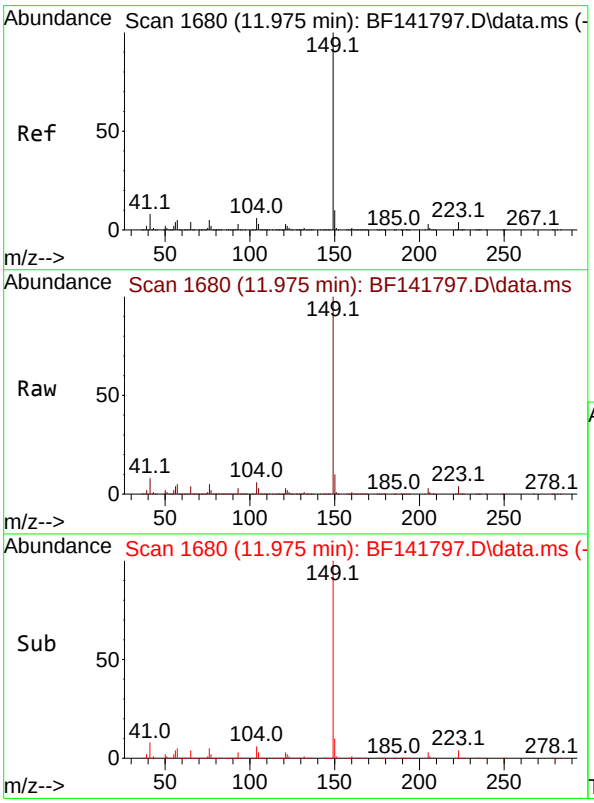
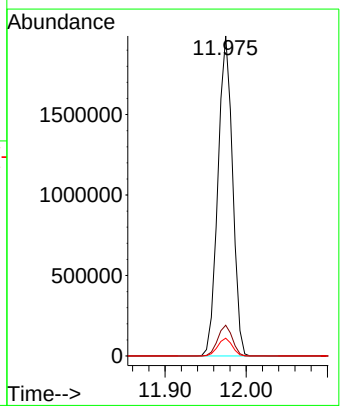
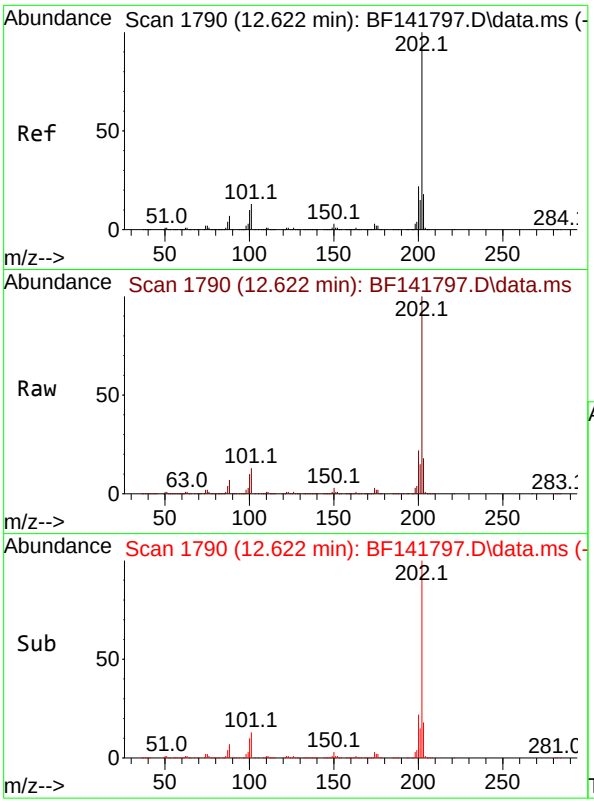


#74
Di-n-butylphthalate
Concen: 40.274 ng
RT: 11.975 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:149 Resp: 2493783

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.7	11.5
104	5.5	4.4	6.6

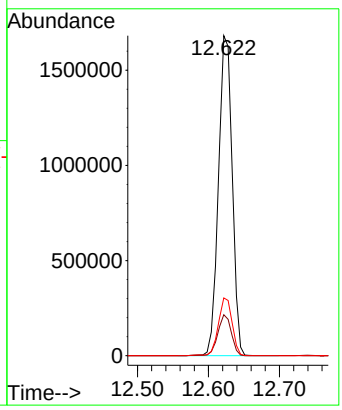




#75
Fluoranthene
Concen: 39.753 ng
RT: 12.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:202 Resp: 224828

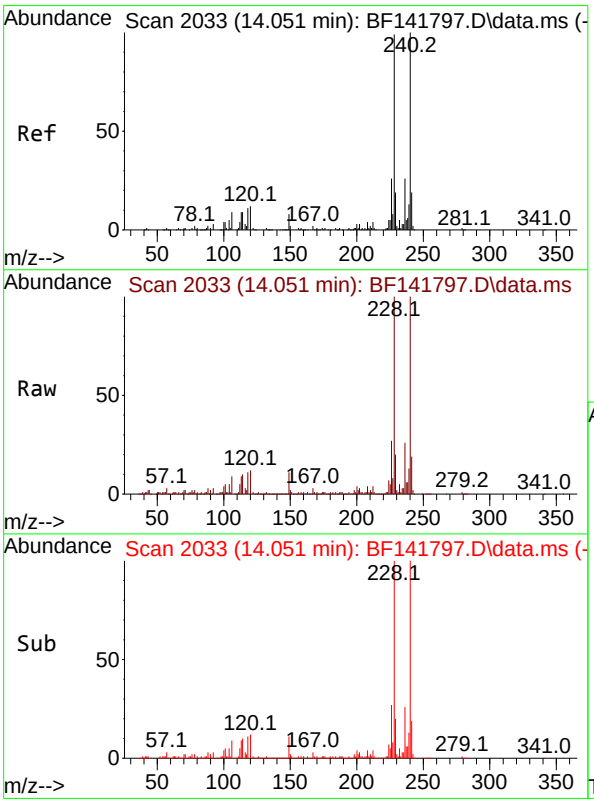
Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	32.8
203	18.0	0.0	38.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

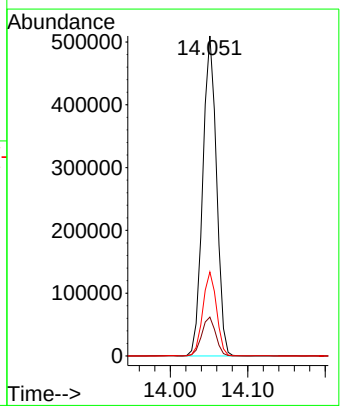
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

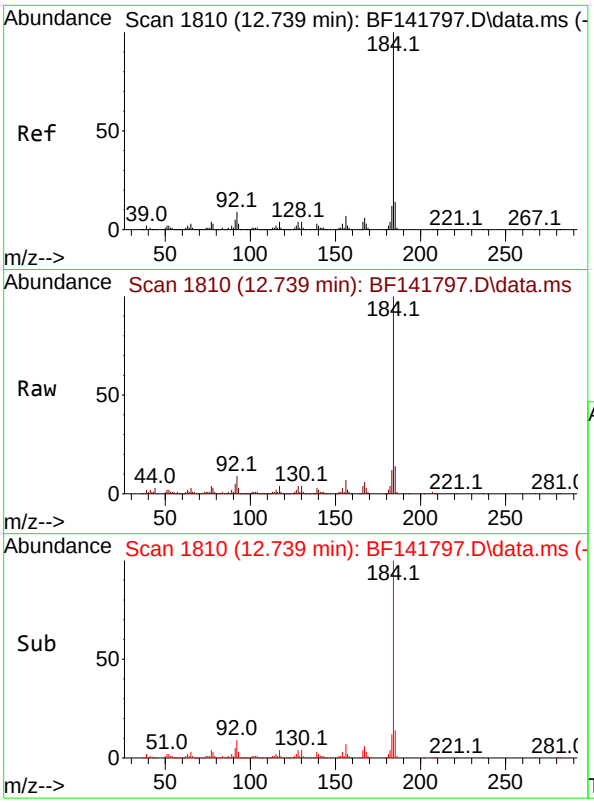


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:240 Resp: 629307

Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.7	14.5
236	26.2	21.0	31.4





#77
Benzidine
Concen: 41.235 ng
RT: 12.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 32660

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.6	17.4
183	11.7	9.4	14.0

Manual Integrations
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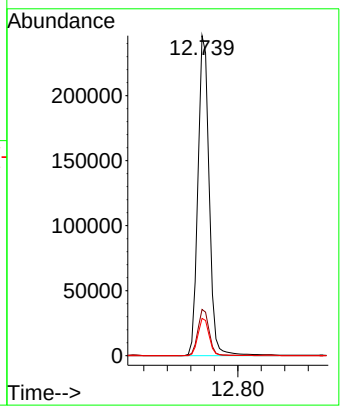
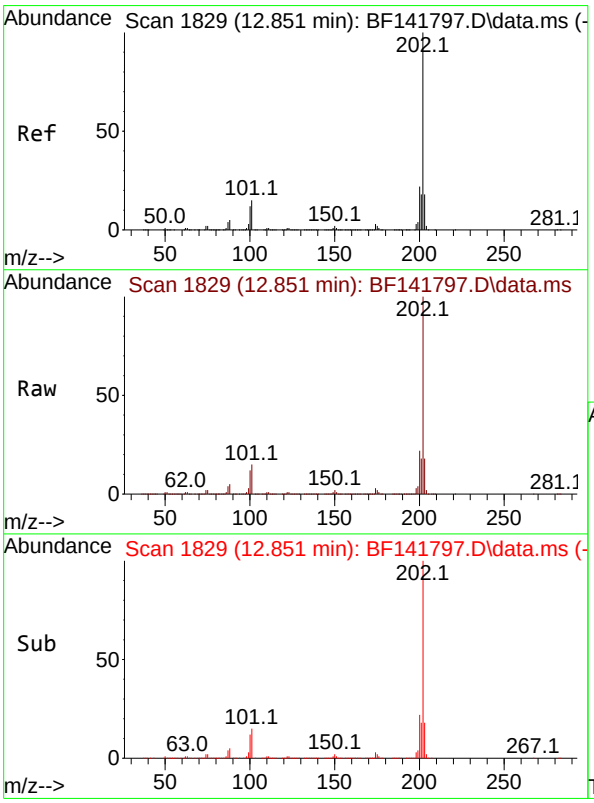
Supervised By :mohammad ahmed 02/28/2025

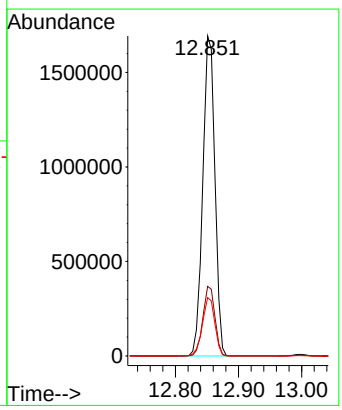


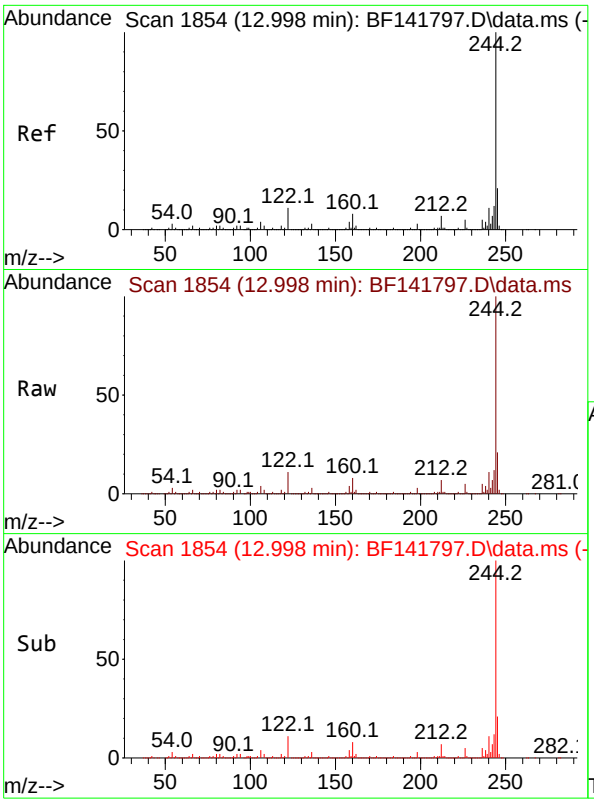


#78
Pyrene
Concen: 41.470 ng
RT: 12.851 min Scan# 1829
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:202 Resp: 2259888

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.0
203	18.3	14.6	22.0

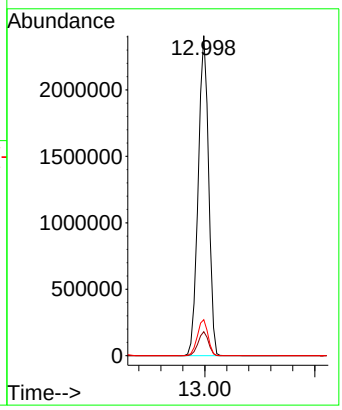




#79
Terphenyl-d14
Concen: 81.511 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:244 Resp: 317044

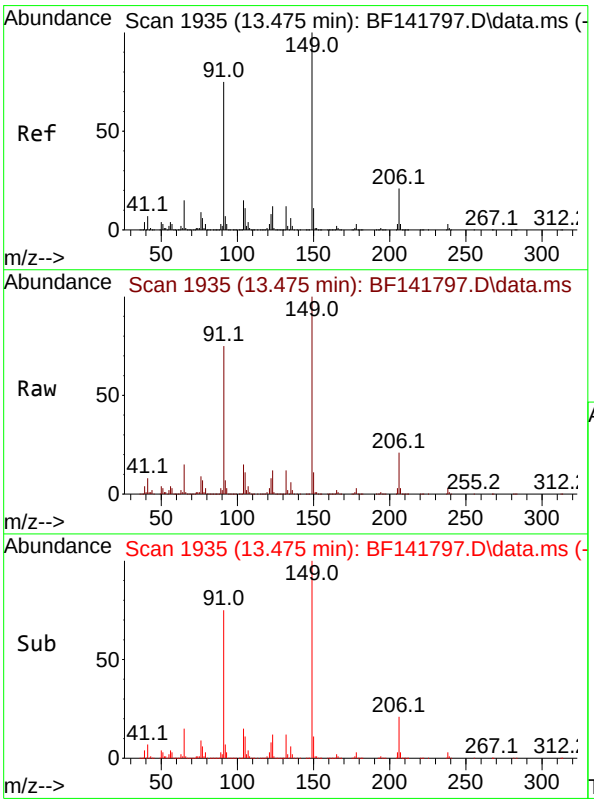
Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	11.3	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

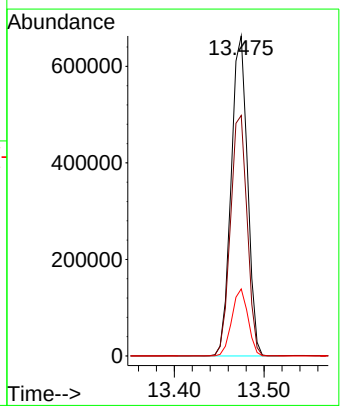
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

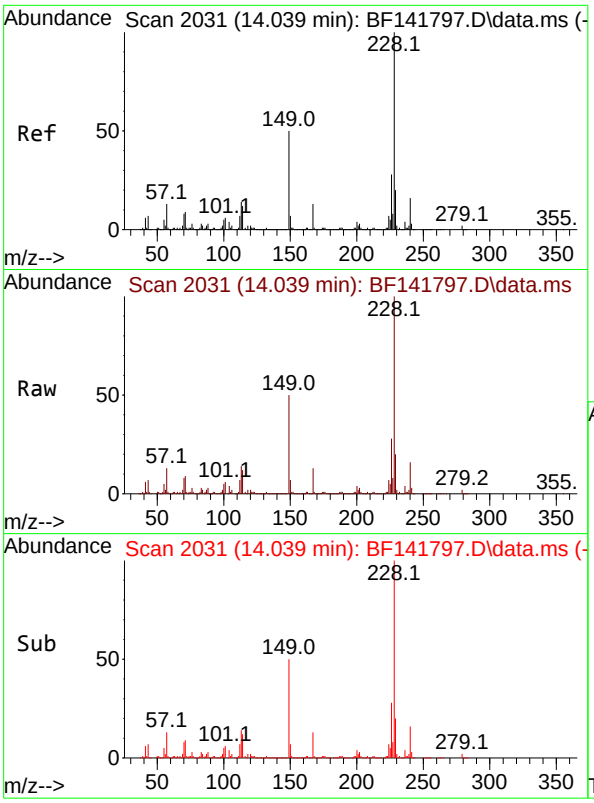


#80
Butylbenzylphthalate
Concen: 42.452 ng
RT: 13.475 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:149 Resp: 840509

Ion	Ratio	Lower	Upper
149	100		
91	75.1	60.1	90.1
206	21.0	16.8	25.2

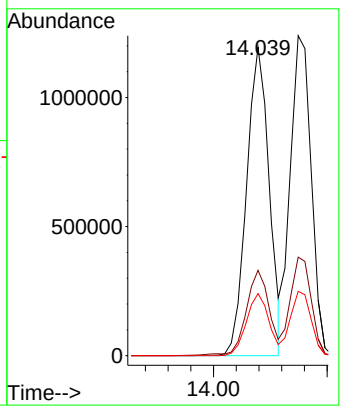




#81
Benzo(a)anthracene
Concen: 39.742 ng
RT: 14.039 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:228 Resp: 165193

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	20.1	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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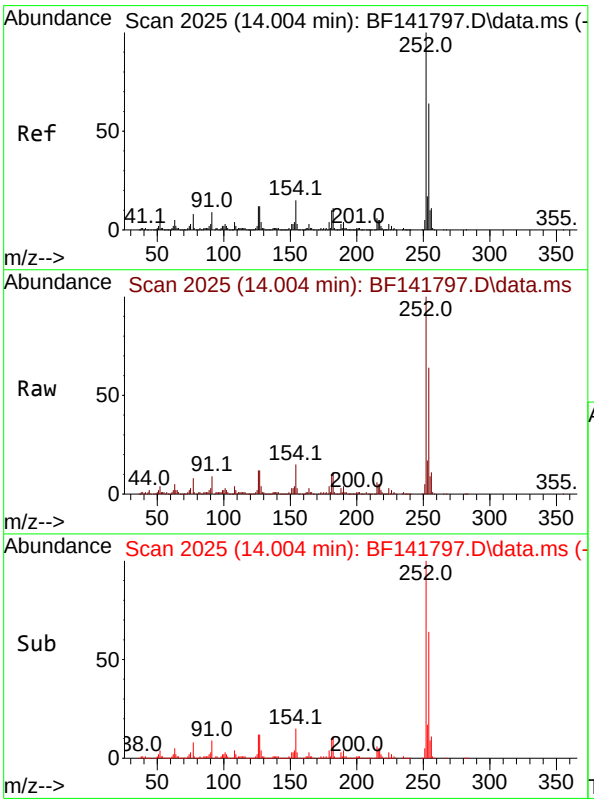
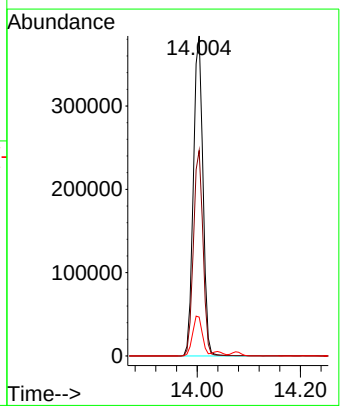
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

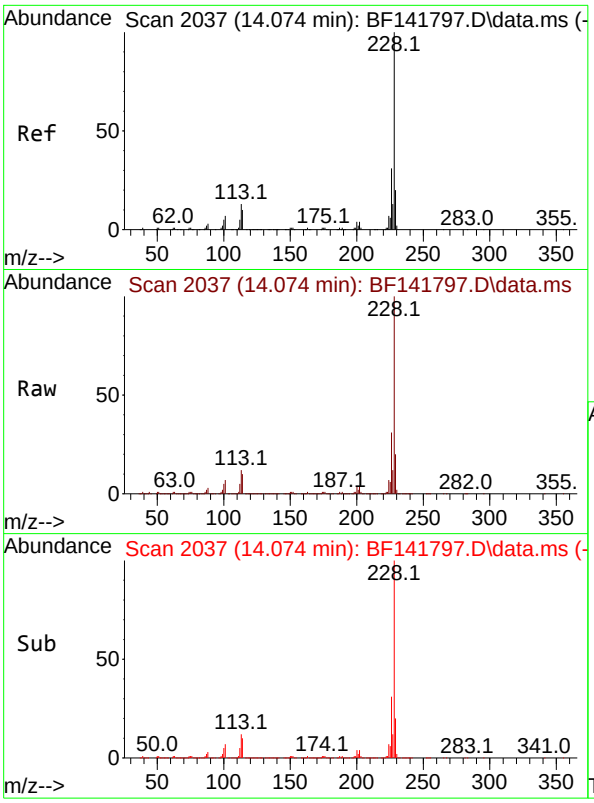


#82
3,3'-Dichlorobenzidine
Concen: 41.467 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:252 Resp: 494528

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.4	77.0
126	12.2	9.8	14.6

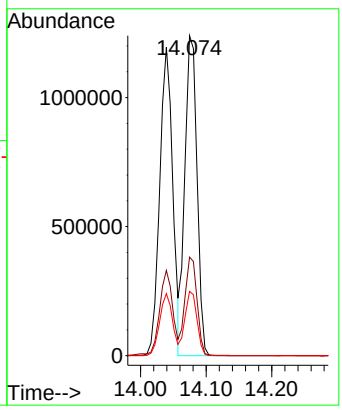




#83
Chrysene
Concen: 41.543 ng
RT: 14.074 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:228 Resp: 159181

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.6	37.0
229	20.1	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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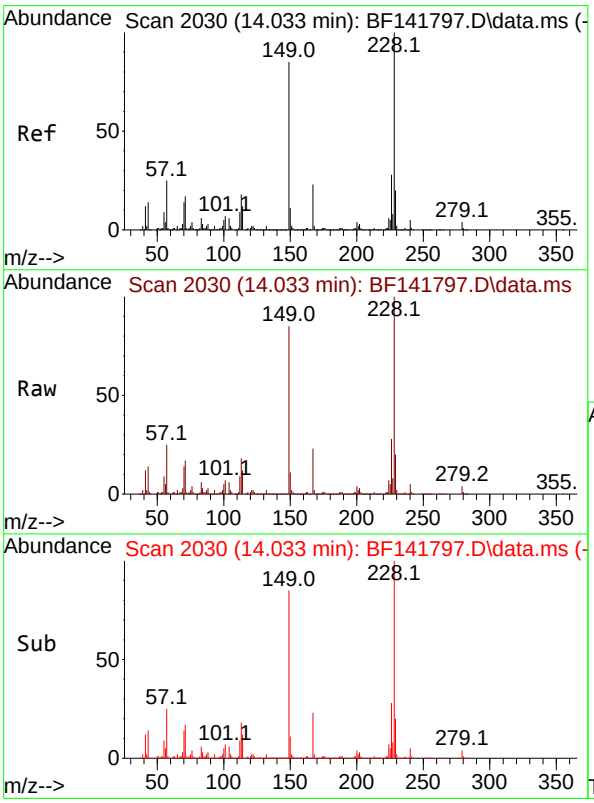
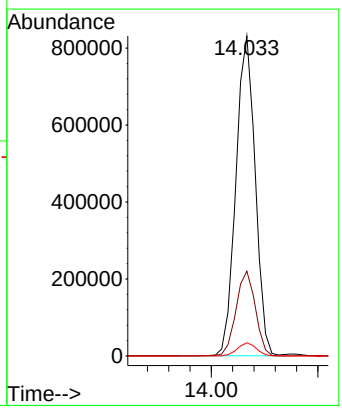
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

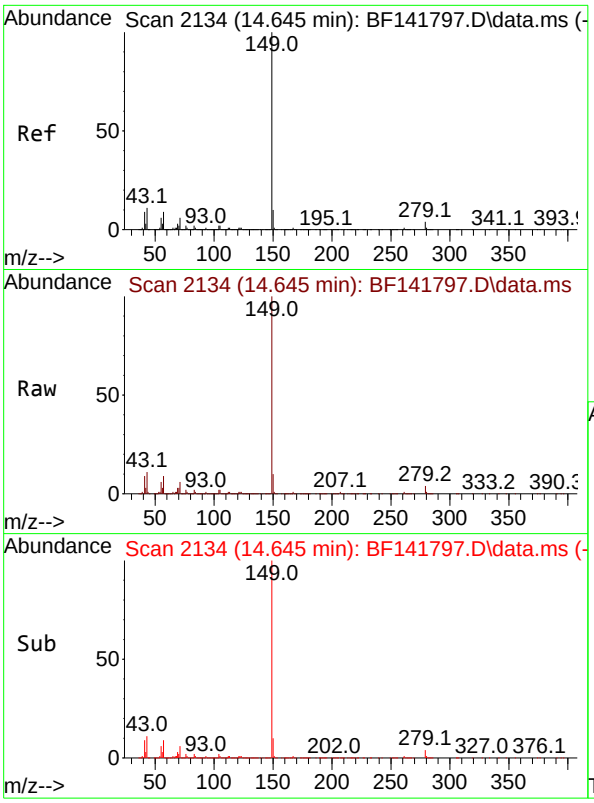


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.458 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:149 Resp: 1046693

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.2	31.8
279	4.1	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 44.568 ng
RT: 14.645 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:149 Resp: 164490

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.7	8.6	12.8

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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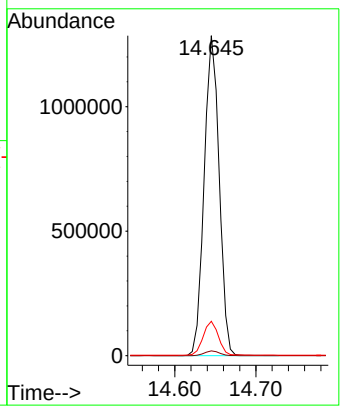
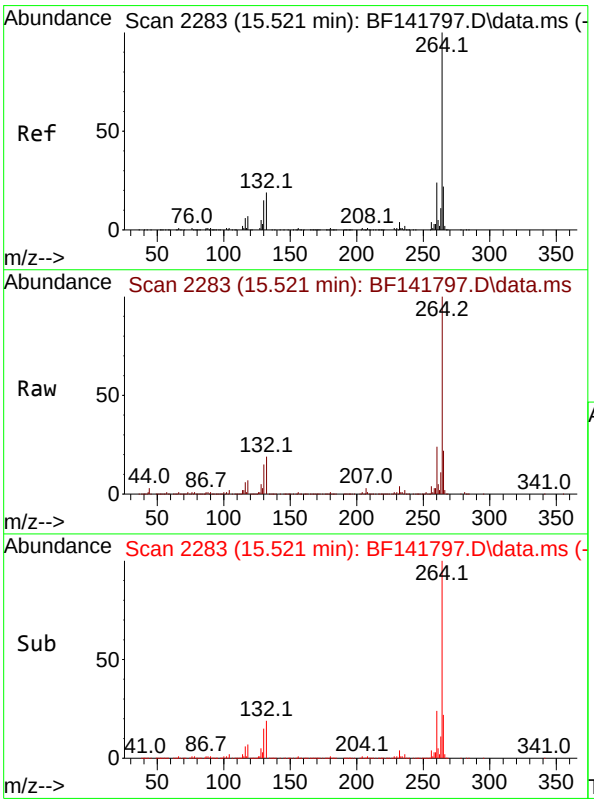
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

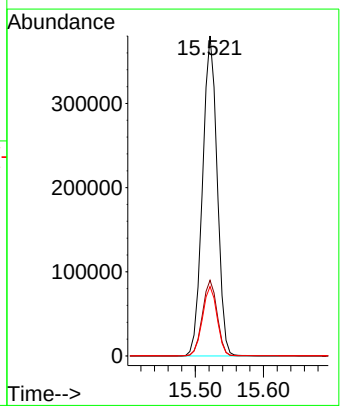


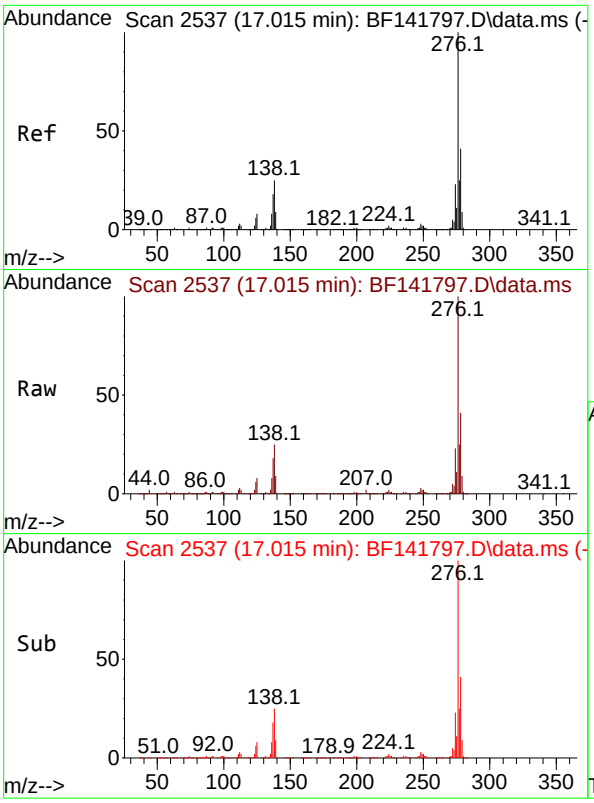


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:264 Resp: 567240

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	21.7	17.4	26.0

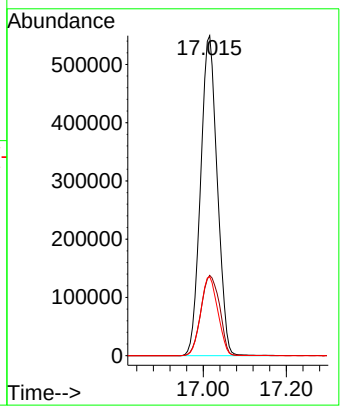




#87
Indeno(1,2,3-cd)pyrene
Concen: 42.264 ng
RT: 17.015 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:276 Resp: 152657

Ion	Ratio	Lower	Upper
276	100		
138	28.1	22.5	33.7
277	25.4	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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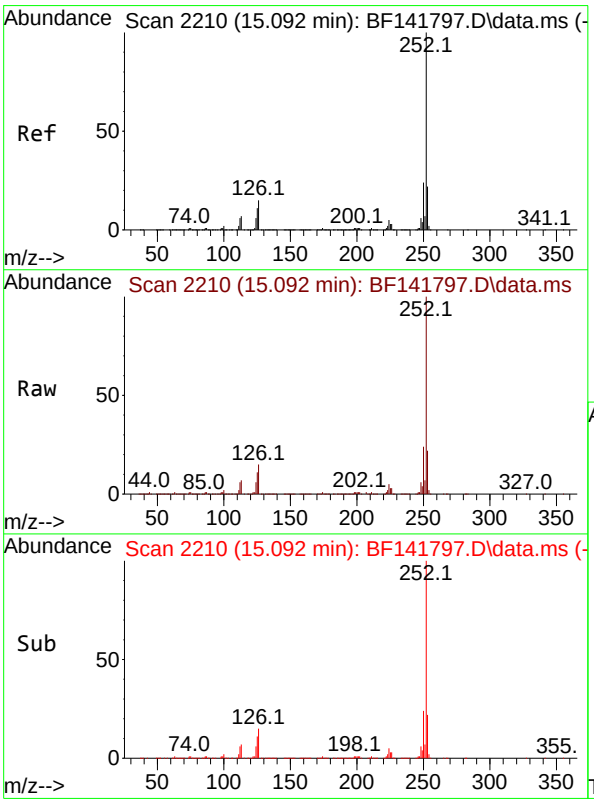
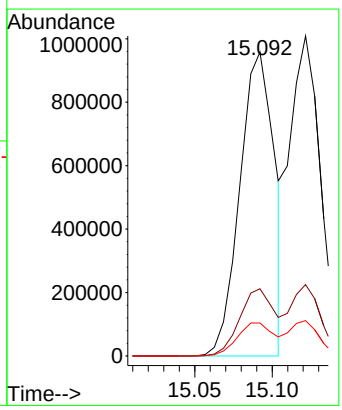
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

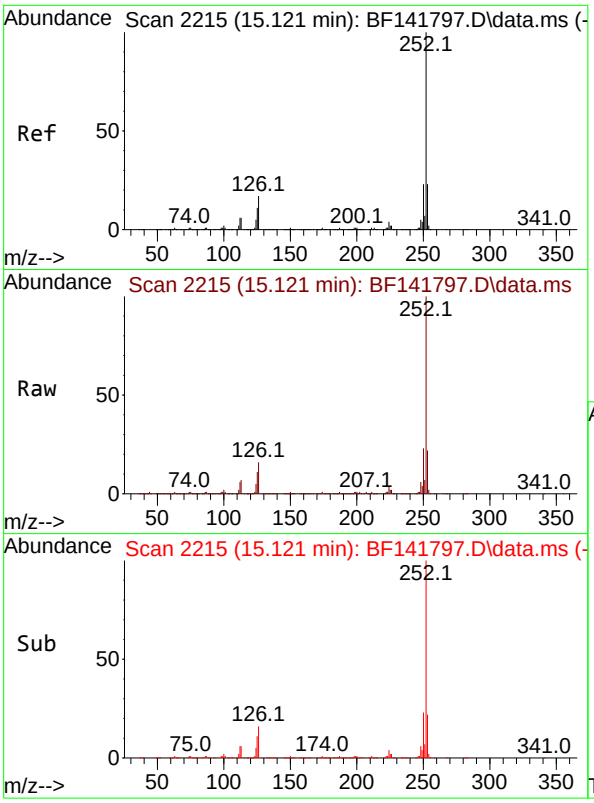


#88
Benzo(b)fluoranthene
Concen: 38.353 ng
RT: 15.092 min Scan# 2210
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:252 Resp: 1481931

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.8	8.6	13.0

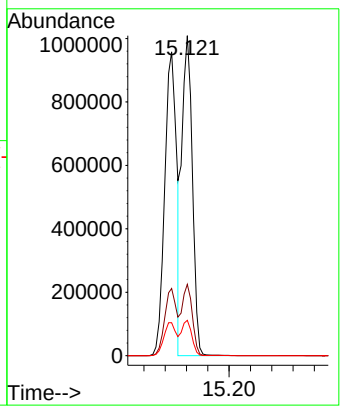




#89
Benzo(k)fluoranthene
Concen: 41.943 ng
RT: 15.121 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:252 Resp: 137747

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	11.0	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
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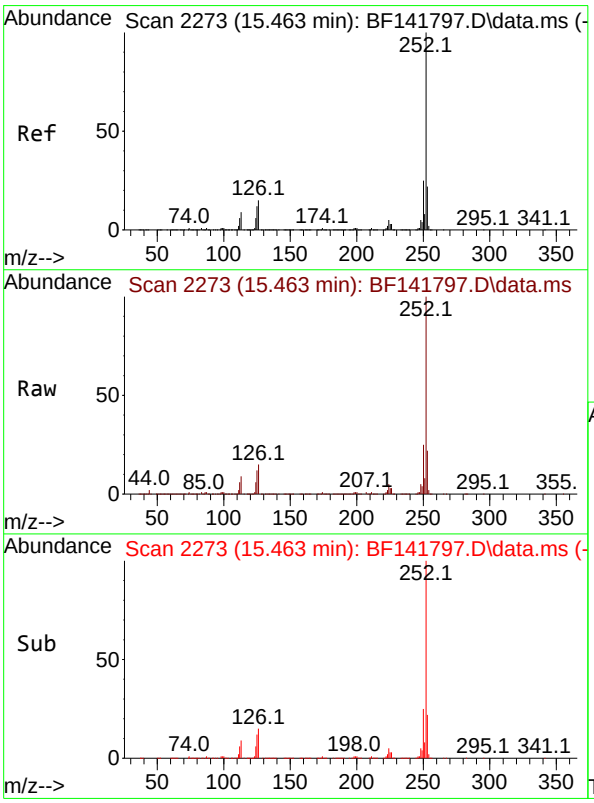
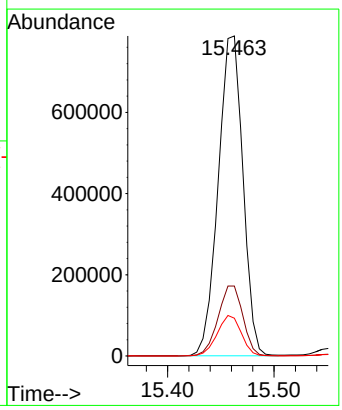
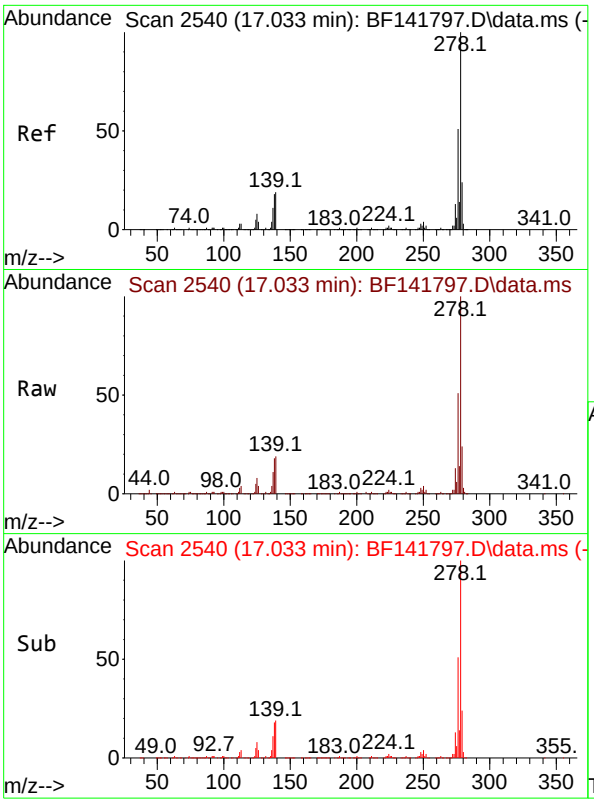


#90
Benzo(a)pyrene
Concen: 40.981 ng
RT: 15.463 min Scan# 2273
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:252 Resp: 1269914

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	11.8	9.4	14.2

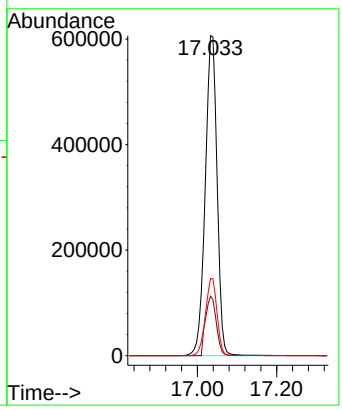




#91
Dibenzo(a,h)anthracene
Concen: 42.664 ng
RT: 17.033 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:278 Resp: 125786

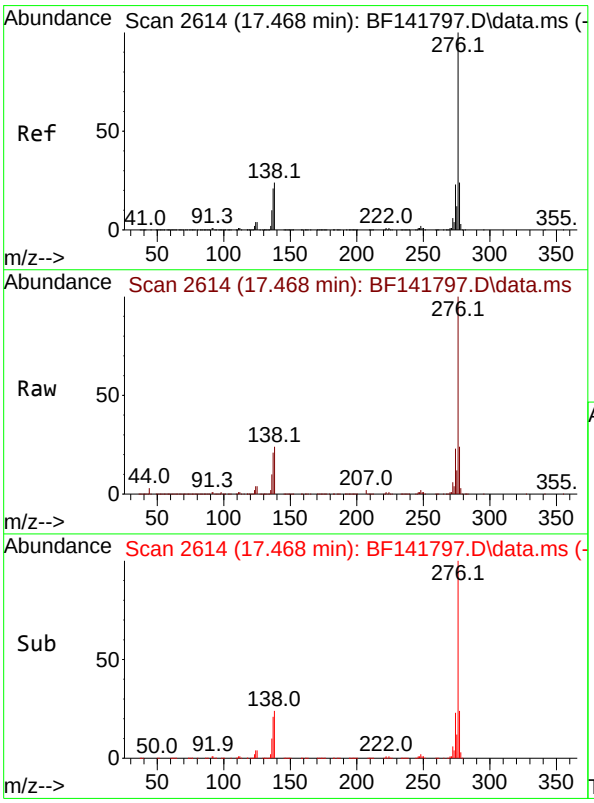
Ion	Ratio	Lower	Upper
278	100		
139	18.6	14.9	22.3
279	24.1	19.3	28.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

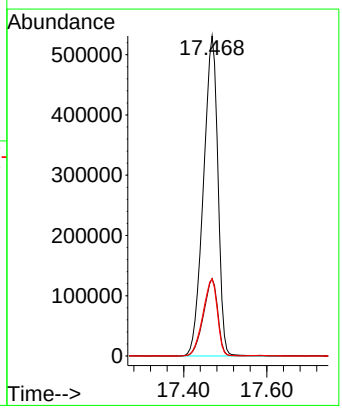
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#92
Benzo(g,h,i)perylene
Concen: 42.430 ng
RT: 17.468 min Scan# 2614
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:276 Resp: 1281590

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.0
138	24.1	19.3	28.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141798.D
Acq On : 27 Feb 2025 17:46
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Feb 28 01:26:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.892	152	294968	20.000	ng		0.00
21) Naphthalene-d8	8.175	136	1175652	20.000	ng		0.00
39) Acenaphthene-d10	9.928	164	632437	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	1007266	20.000	ng		0.00
76) Chrysene-d12	14.051	240	571903	20.000	ng		0.00
86) Perylene-d12	15.521	264	520644	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	1747157	94.593	ng		0.00
7) Phenol-d6	6.510	99	2273216	94.557	ng		0.00
23) Nitrobenzene-d5	7.457	82	1953916	106.234	ng		0.00
42) 2,4,6-Tribromophenol	10.716	330	580093	97.701	ng		0.00
45) 2-Fluorobiphenyl	9.251	172	3566962	90.435	ng		0.00
79) Terphenyl-d14	12.998	244	3516535	99.483	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.681	88	401754	47.937	ng		99
3) Pyridine	3.451	79	1017692	48.805	ng		99
4) n-Nitrosodimethylamine	3.404	42	497063	49.541	ng		99
6) Aniline	6.557	93	1210646	48.702	ng		100
8) 2-Chlorophenol	6.675	128	957860	47.940	ng		99
9) Benzaldehyde	6.440	77	644844	46.113	ng		99
10) Phenol	6.528	94	1210418	47.257	ng		99
11) bis(2-Chloroethyl)ether	6.628	93	943249	48.169	ng		99
12) 1,3-Dichlorobenzene	6.834	146	1016156	47.489	ng		99
13) 1,4-Dichlorobenzene	6.910	146	1024761	47.531	ng		100
14) 1,2-Dichlorobenzene	7.063	146	948038	47.090	ng		99
15) Benzyl Alcohol	7.028	79	927459	48.272	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	1423138	47.854	ng		100
17) 2-Methylphenol	7.134	107	795600	48.240	ng		99
18) Hexachloroethane	7.404	117	393322	48.741	ng		99
19) n-Nitroso-di-n-propyla...	7.310	70	744192	47.090	ng		99
20) 3+4-Methylphenols	7.292	107	961623	46.825	ng	#	87
22) Acetophenone	7.298	105	1339971	46.798	ng		97
24) Nitrobenzene	7.475	77	1025625	52.073	ng		99
25) Isophorone	7.716	82	1886546	47.744	ng		99
26) 2-Nitrophenol	7.786	139	425765	48.354	ng		99
27) 2,4-Dimethylphenol	7.816	122	698393	48.082	ng		99
28) bis(2-Chloroethoxy)met...	7.922	93	1186179	47.060	ng		100
29) 2,4-Dichlorophenol	8.022	162	813150	48.527	ng		100
30) 1,2,4-Trichlorobenzene	8.110	180	875703	47.693	ng		99
31) Naphthalene	8.192	128	2820879	46.685	ng		100
32) Benzoic acid	7.945	122	587574	48.392	ng		99
33) 4-Chloroaniline	8.239	127	1028715	46.432	ng		99
34) Hexachlorobutadiene	8.310	225	551683	48.351	ng		99
35) Caprolactam	8.622	113	248725	48.241	ng		98
36) 4-Chloro-3-methylphenol	8.716	107	880725	47.314	ng		99
37) 2-Methylnaphthalene	8.886	142	1825639	46.064	ng		99
38) 1-Methylnaphthalene	8.986	142	1745465	45.899	ng		99
40) 1,2,4,5-Tetrachloroben...	9.051	216	868619	47.555	ng		100
41) Hexachlorocyclopentadiene	9.039	237	388222	50.930	ng		99
43) 2,4,6-Trichlorophenol	9.157	196	578263	49.010	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141798.D
Acq On : 27 Feb 2025 17:46
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Feb 28 01:26:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

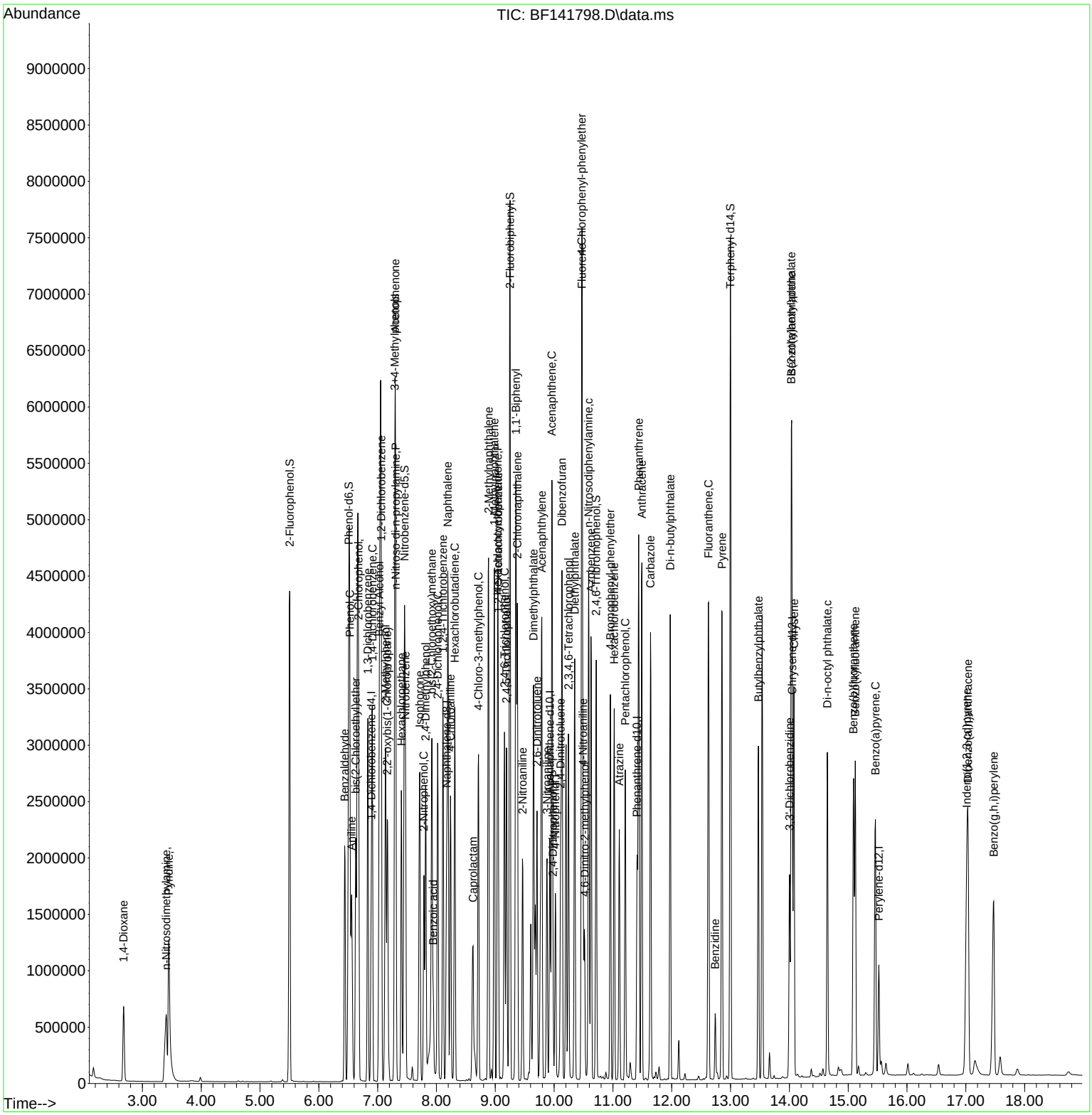
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	574978	49.213	ng		100
46) 1,1'-Biphenyl	9.351	154	2234592	46.420	ng		100
47) 2-Chloronaphthalene	9.375	162	1672555	47.075	ng		99
48) 2-Nitroaniline	9.463	65	469075	48.211	ng		98
49) Acenaphthylene	9.792	152	2466104	46.294	ng		99
50) Dimethylphthalate	9.651	163	1994958	47.103	ng		100
51) 2,6-Dinitrotoluene	9.710	165	396873	48.926	ng		99
52) Acenaphthene	9.963	154	1689163	46.994	ng		100
53) 3-Nitroaniline	9.880	138	417015	48.300	ng		97
54) 2,4-Dinitrophenol	9.980	184	151706	48.388	ng	#	8
55) Dibenzofuran	10.133	168	2422882	46.312	ng		100
56) 4-Nitrophenol	10.022	139	340020	54.357	ng		98
57) 2,4-Dinitrotoluene	10.110	165	490028	49.405	ng		100
58) Fluorene	10.475	166	1783757	45.518	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	489160	48.140	ng		97
60) Diethylphthalate	10.351	149	1991111	46.896	ng		100
61) 4-Chlorophenyl-phenyle...	10.469	204	904835	46.084	ng		99
62) 4-Nitroaniline	10.492	138	391399	54.114	ng		98
63) Azobenzene	10.627	77	2087153	46.687	ng		100
65) 4,6-Dinitro-2-methylph...	10.522	198	227493	47.968	ng		95
66) n-Nitrosodiphenylamine	10.586	169	1588976	48.041	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	572161	48.631	ng		100
68) Hexachlorobenzene	11.022	284	605103	48.705	ng		99
69) Atrazine	11.110	200	374540	41.179	ng		99
70) Pentachlorophenol	11.210	266	400352	50.809	ng		100
71) Phenanthrene	11.439	178	2521849	46.806	ng		99
72) Anthracene	11.492	178	2522132	46.707	ng		100
73) Carbazole	11.639	167	2220778	46.572	ng		100
74) Di-n-butylphthalate	11.974	149	2839813	46.982	ng		100
75) Fluoranthene	12.627	202	2499217	45.269	ng		99
77) Benzidine	12.739	184	305582	42.453	ng		99
78) Pyrene	12.857	202	2484995	50.178	ng		100
80) Butylbenzylphthalate	13.474	149	929464	51.657	ng		99
81) Benzo(a)anthracene	14.039	228	1777948	47.067	ng		100
82) 3,3'-Dichlorobenzidine	14.004	252	520451	48.021	ng		99
83) Chrysene	14.080	228	1694396	48.659	ng		99
84) Bis(2-ethylhexyl)phtha...	14.033	149	1159761	51.766	ng		100
85) Di-n-octyl phthalate	14.645	149	1865081	55.606	ng		100
87) Indeno(1,2,3-cd)pyrene	17.015	276	1740850	52.510	ng		100
88) Benzo(b)fluoranthene	15.092	252	1603729	45.220	ng		100
89) Benzo(k)fluoranthene	15.121	252	1516995	50.326	ng		100
90) Benzo(a)pyrene	15.462	252	1379319	48.495	ng		100
91) Dibenzo(a,h)anthracene	17.039	278	1423862	52.616	ng		99
92) Benzo(g,h,i)perylene	17.474	276	1469480	53.005	ng		99

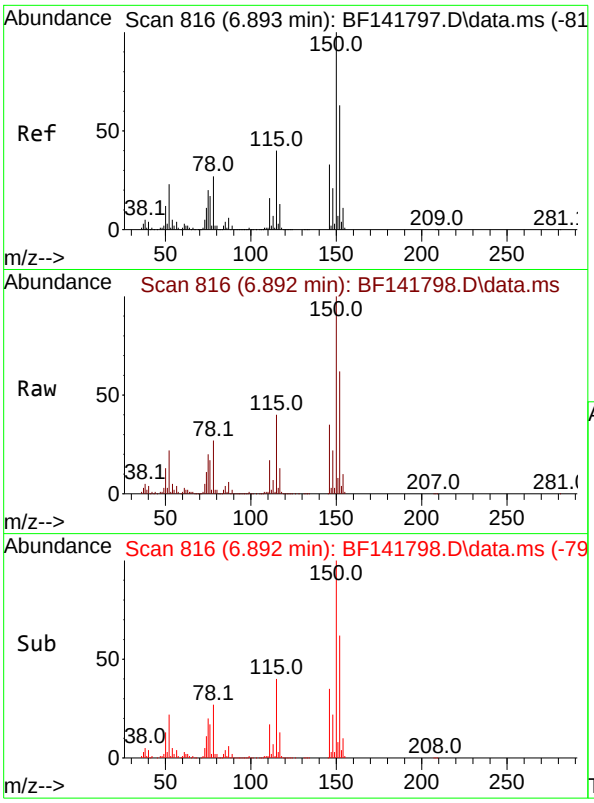
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141798.D
Acq On : 27 Feb 2025 17:46
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Feb 28 01:26:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration



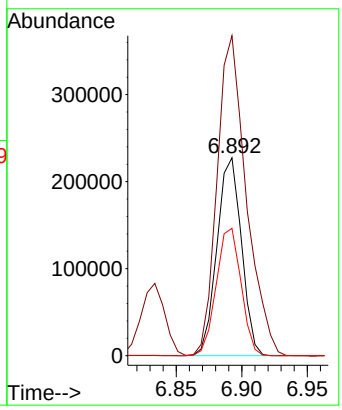


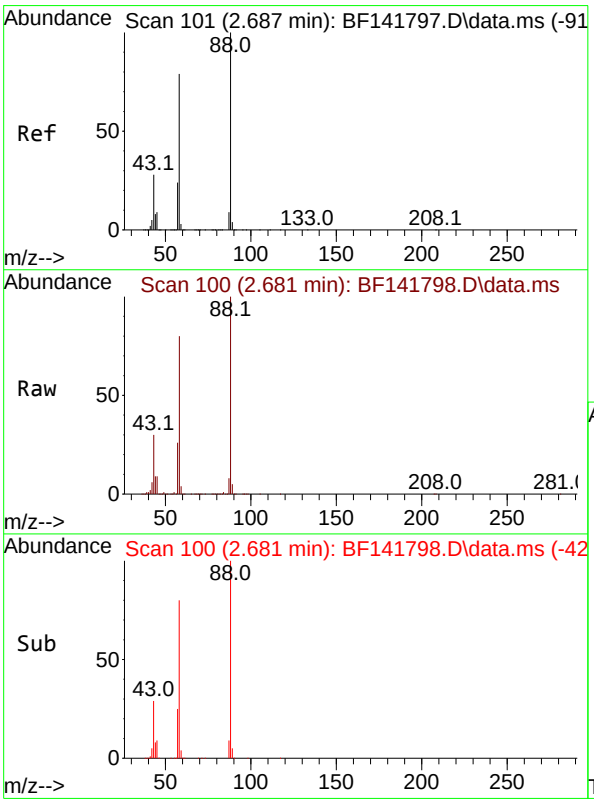
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 294968

Ion	Ratio	Lower	Upper
152	100		
150	161.7	127.5	191.3
115	64.3	51.4	77.2

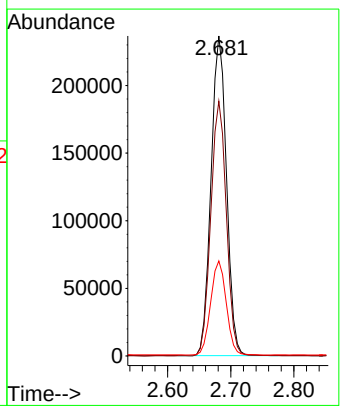


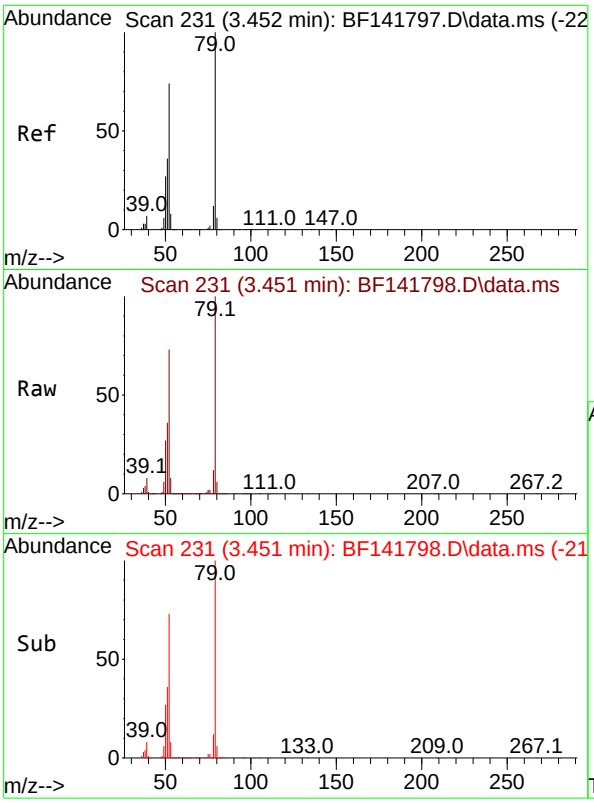


#2
1,4-Dioxane
Concen: 47.937 ng
RT: 2.681 min Scan# 100
Delta R.T. -0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion: 88 Resp: 401754

Ion	Ratio	Lower	Upper
88	100		
58	80.2	63.9	95.9
43	29.6	23.0	34.6



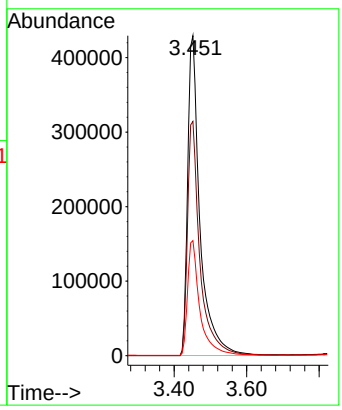


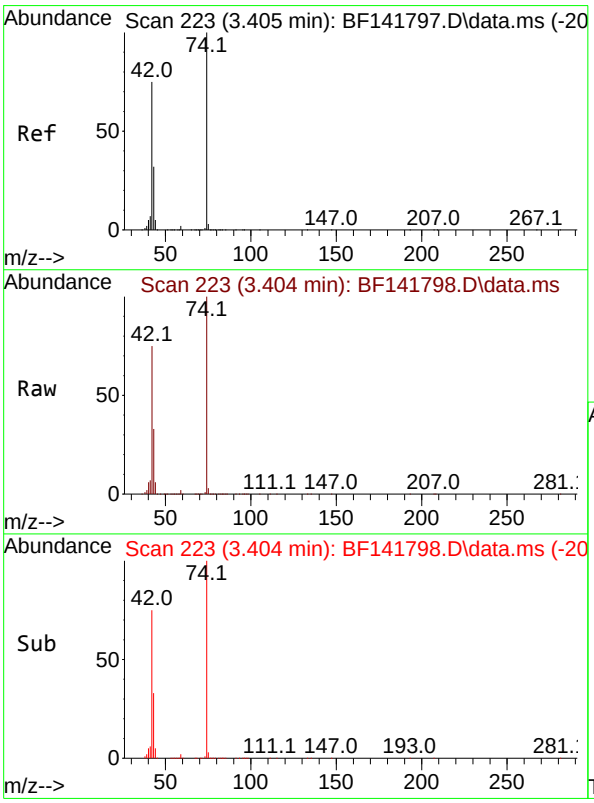
#3
Pyridine
Concen: 48.805 ng
RT: 3.451 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 1017692

Ion	Ratio	Lower	Upper
79	100		
52	73.2	59.0	88.4
51	35.9	29.0	43.4

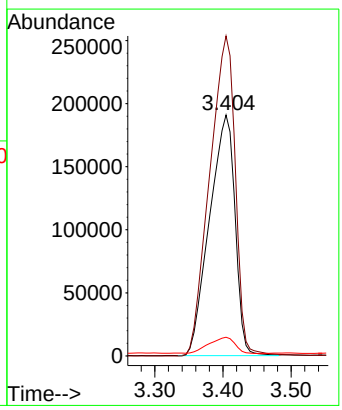


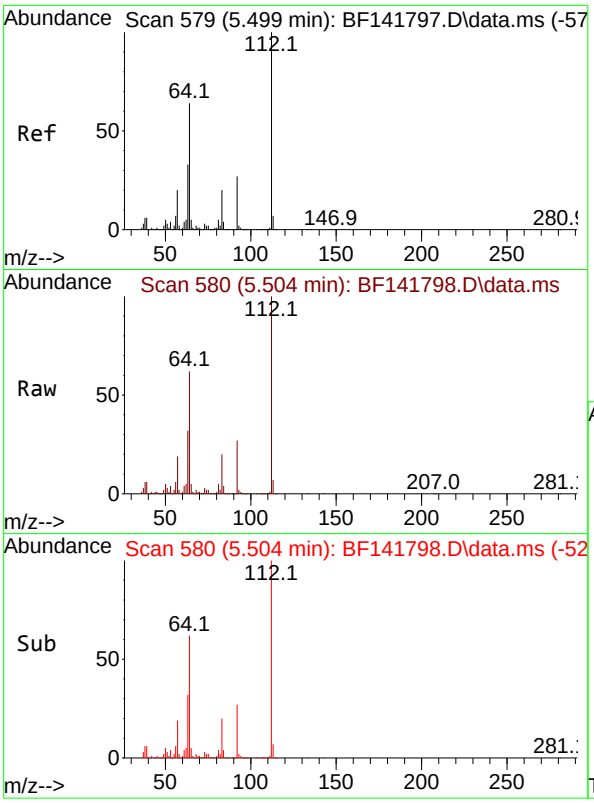


#4
n-Nitrosodimethylamine
Concen: 49.541 ng
RT: 3.404 min Scan# 223
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion: 42 Resp: 497063

Ion	Ratio	Lower	Upper
42	100		
74	132.8	107.1	160.7
44	7.7	6.6	9.8



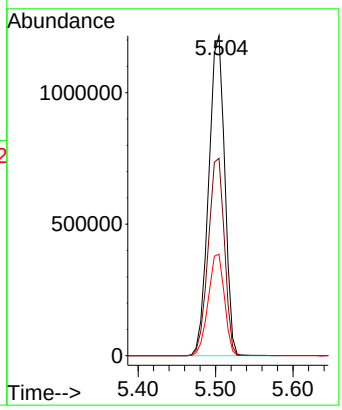


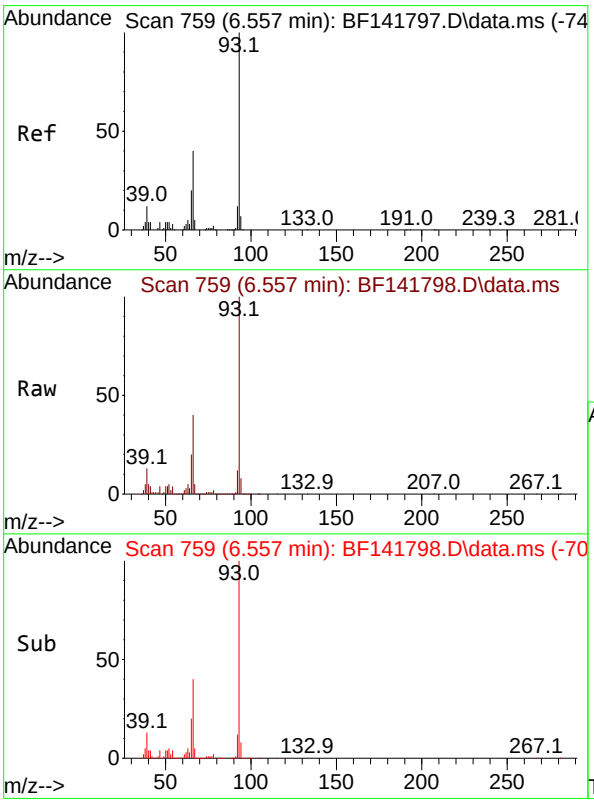
#5
2-Fluorophenol
Concen: 94.593 ng
RT: 5.504 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 1747157

Ion	Ratio	Lower	Upper
112	100		
64	61.7	51.3	76.9
63	31.7	26.2	39.4

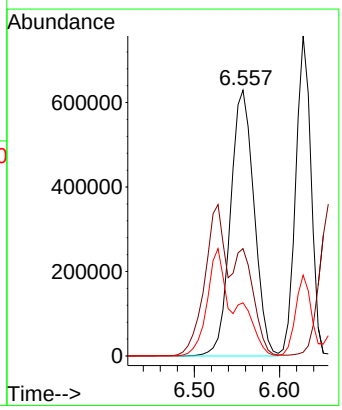


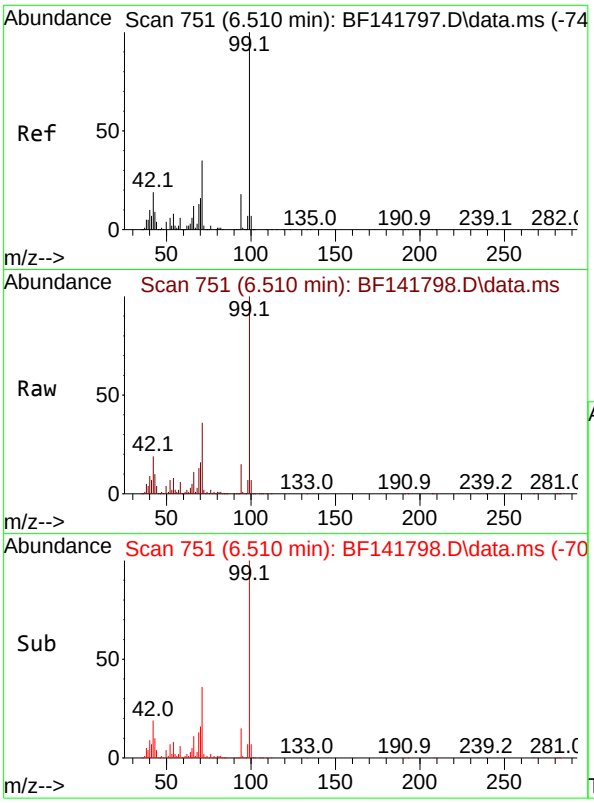


#6
Aniline
Concen: 48.702 ng
RT: 6.557 min Scan# 759
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion: 93 Resp: 1210646

Ion	Ratio	Lower	Upper
93	100		
66	40.4	32.3	48.5
65	20.0	15.9	23.9



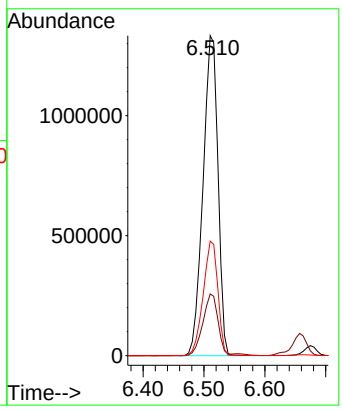


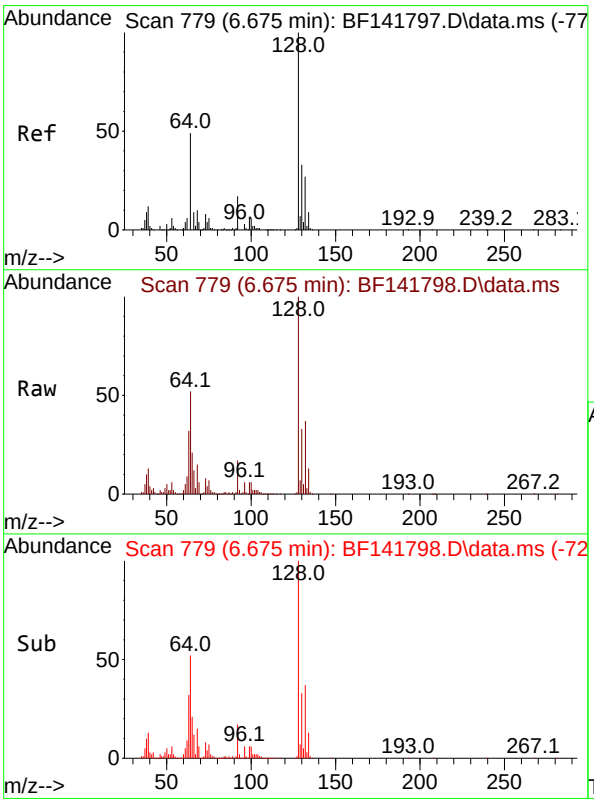
#7
Phenol-d6
Concen: 94.557 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 2273216

Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.2	22.8
71	35.8	28.2	42.2

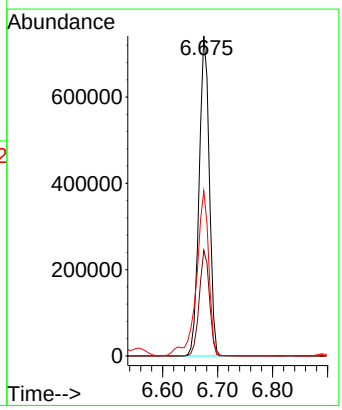


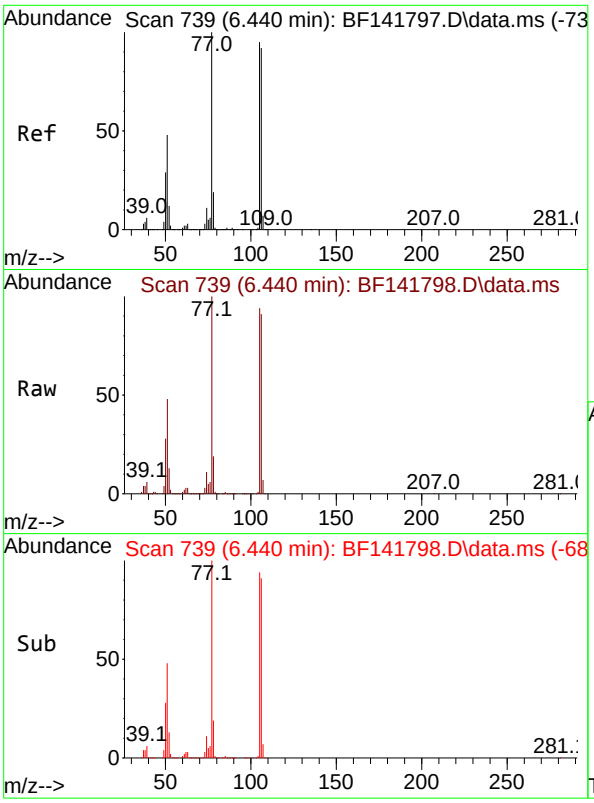


#8
2-Chlorophenol
Concen: 47.940 ng
RT: 6.675 min Scan# 779
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:128 Resp: 957860

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.6	52.6
64	51.6	31.1	71.1



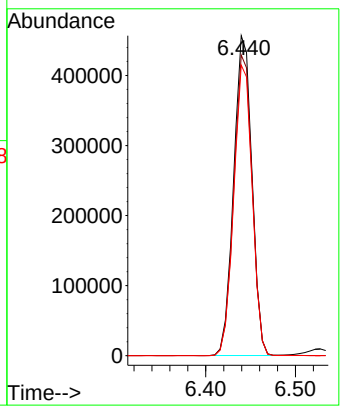


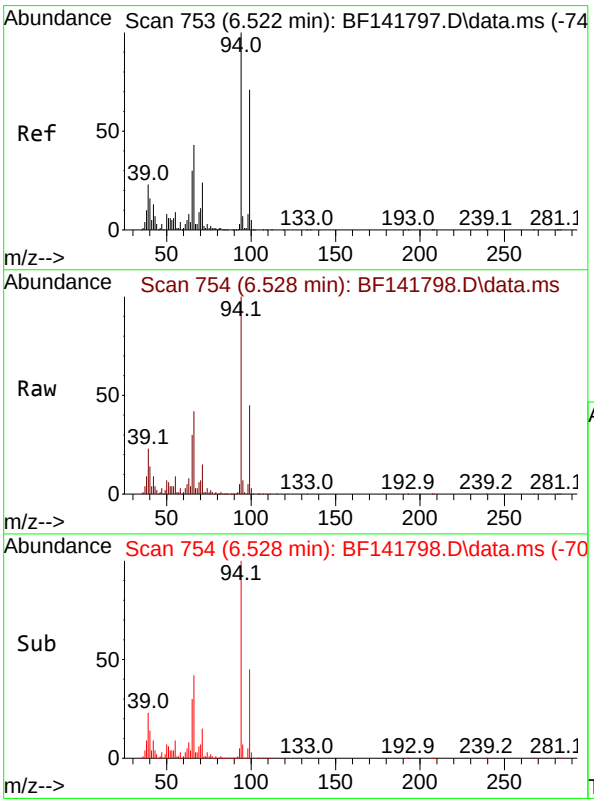
#9
Benzaldehyde
Concen: 46.113 ng
RT: 6.440 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 644844

Ion	Ratio	Lower	Upper
77	100		
105	93.9	75.3	115.3
106	90.8	72.3	112.3

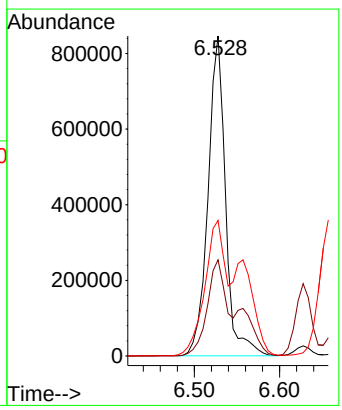


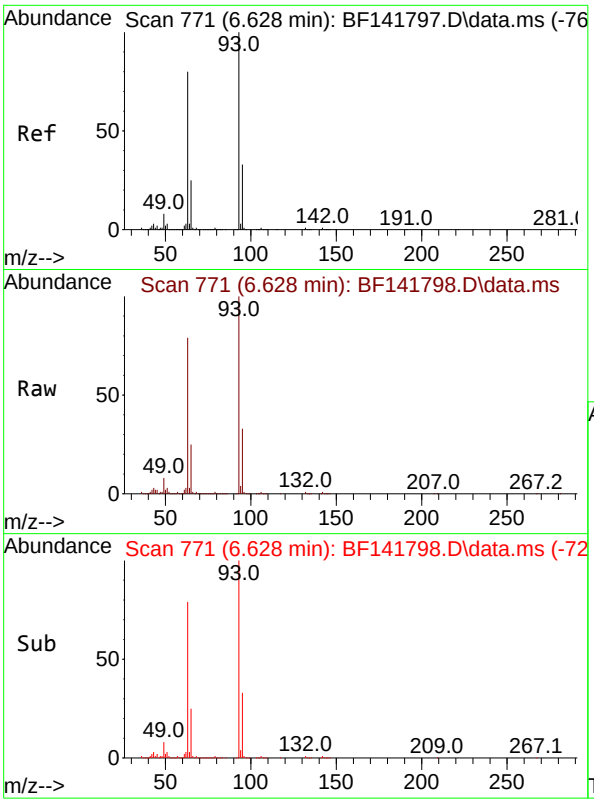


#10
Phenol
Concen: 47.257 ng
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion: 94 Resp: 1210418

Ion	Ratio	Lower	Upper
94	100		
65	30.0	10.2	50.2
66	42.3	23.2	63.2



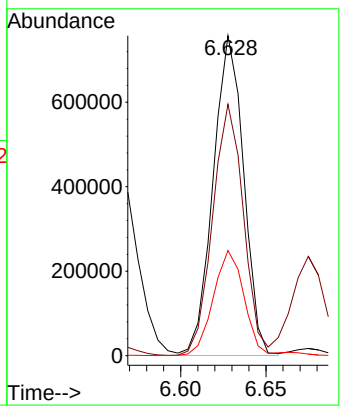


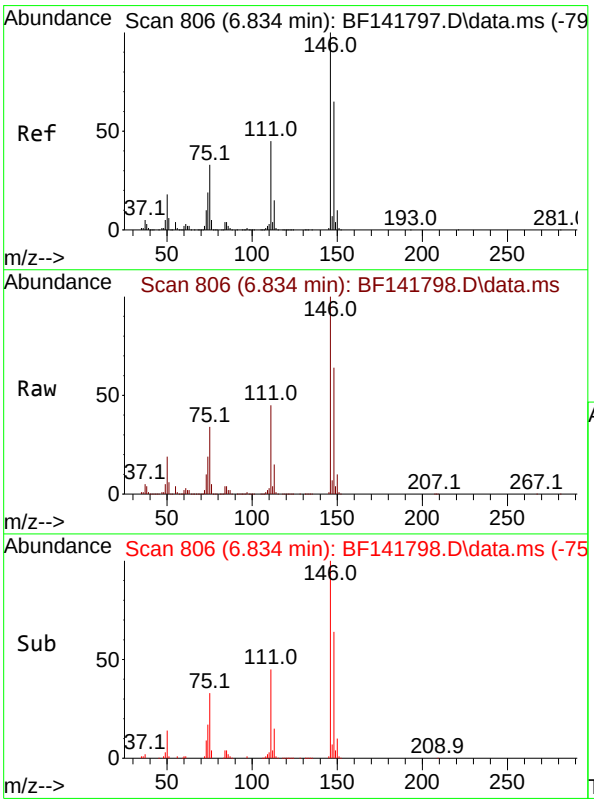
#11
bis(2-Chloroethyl)ether
Concen: 48.169 ng
RT: 6.628 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 943249

Ion	Ratio	Lower	Upper
93	100		
63	78.6	59.3	99.3
95	32.9	13.2	53.2

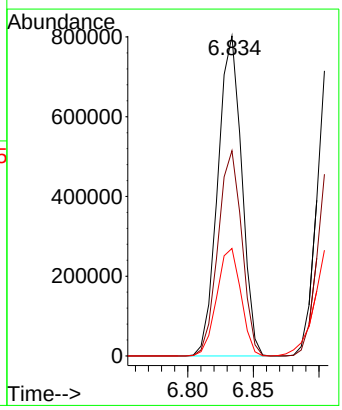


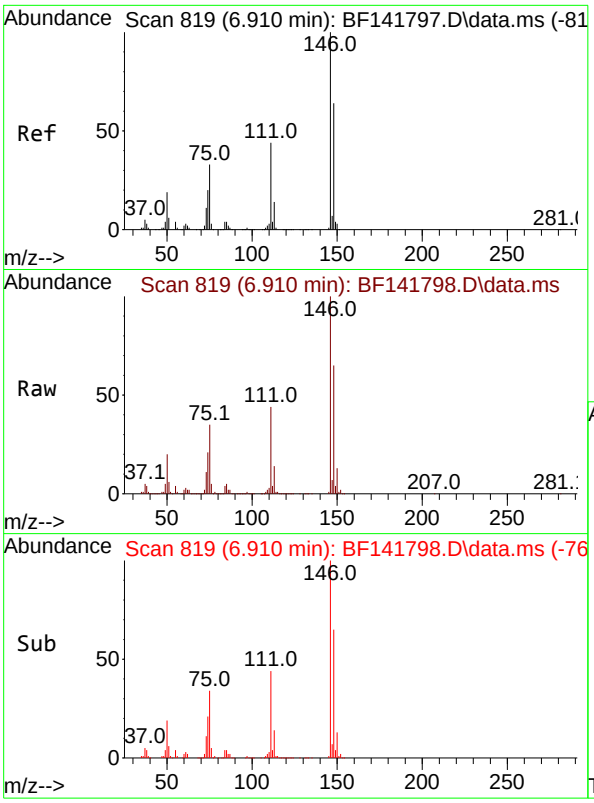


#12
1,3-Dichlorobenzene
Concen: 47.489 ng
RT: 6.834 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:146 Resp: 1016156

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.8	77.6
75	33.6	26.2	39.4



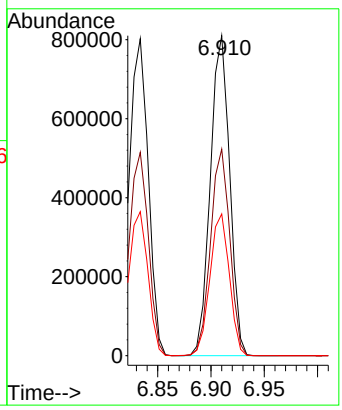


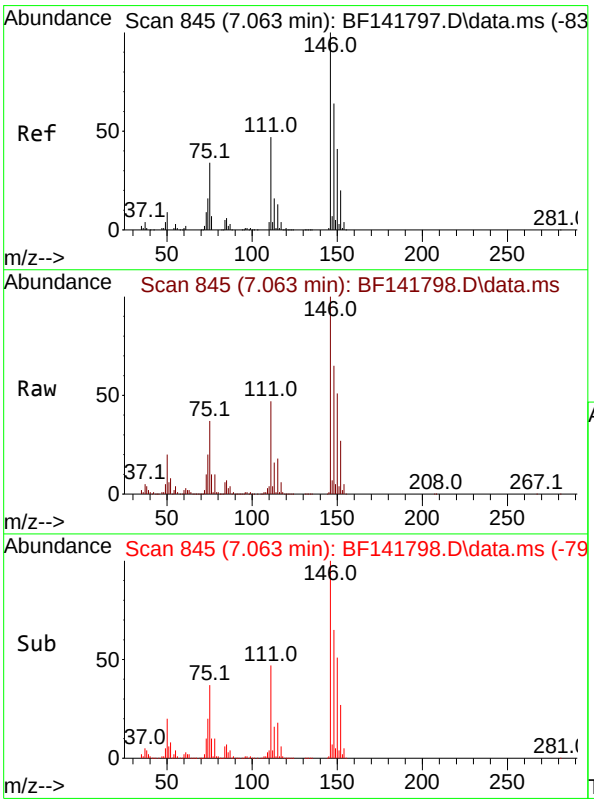
#13
1,4-Dichlorobenzene
Concen: 47.531 ng
RT: 6.910 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 1024761

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.4	77.2
111	44.3	35.5	53.3

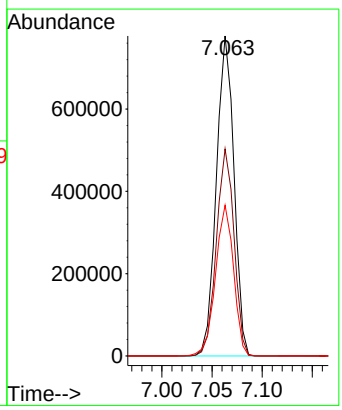


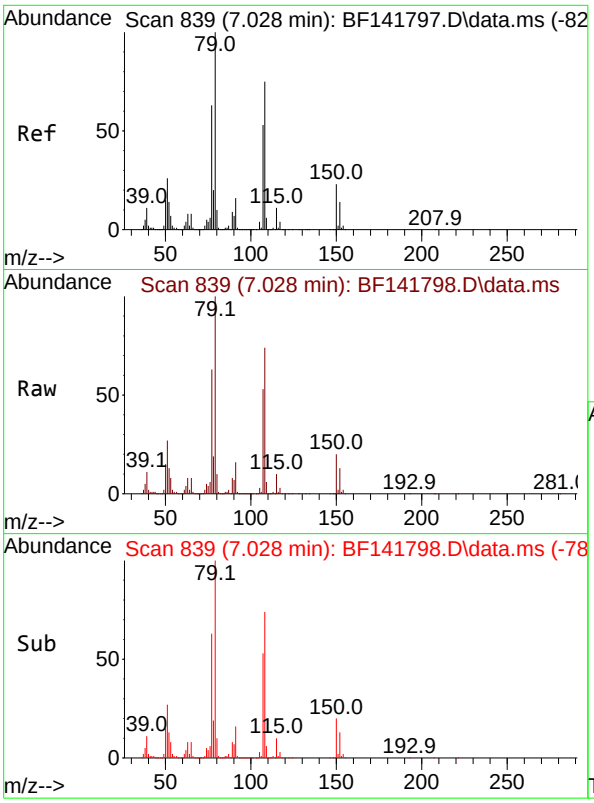


#14
1,2-Dichlorobenzene
Concen: 47.090 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:146 Resp: 948038

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.2	76.8
111	47.1	37.8	56.6



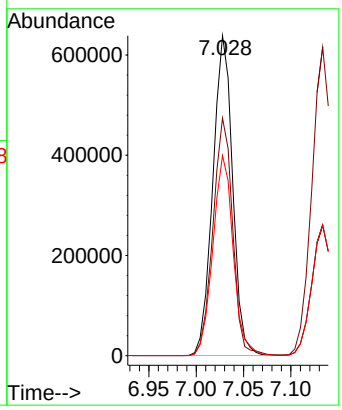


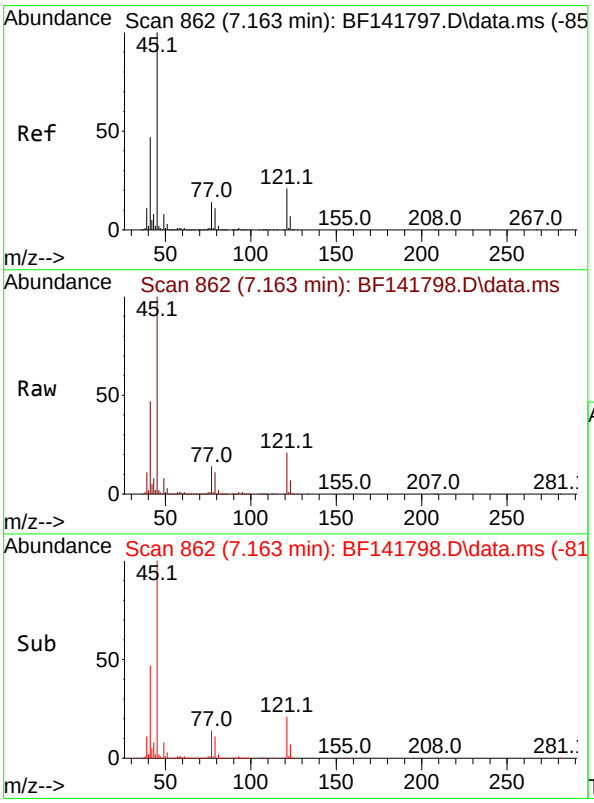
#15
Benzyl Alcohol
Concen: 48.272 ng
RT: 7.028 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 927459

Ion	Ratio	Lower	Upper
79	100		
108	74.2	60.2	90.2
77	62.6	50.2	75.2

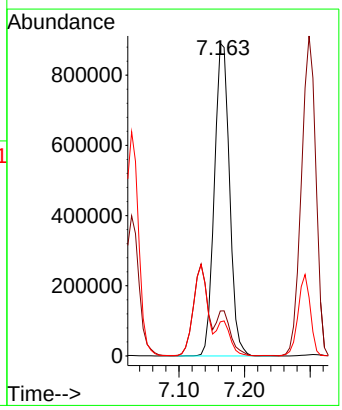


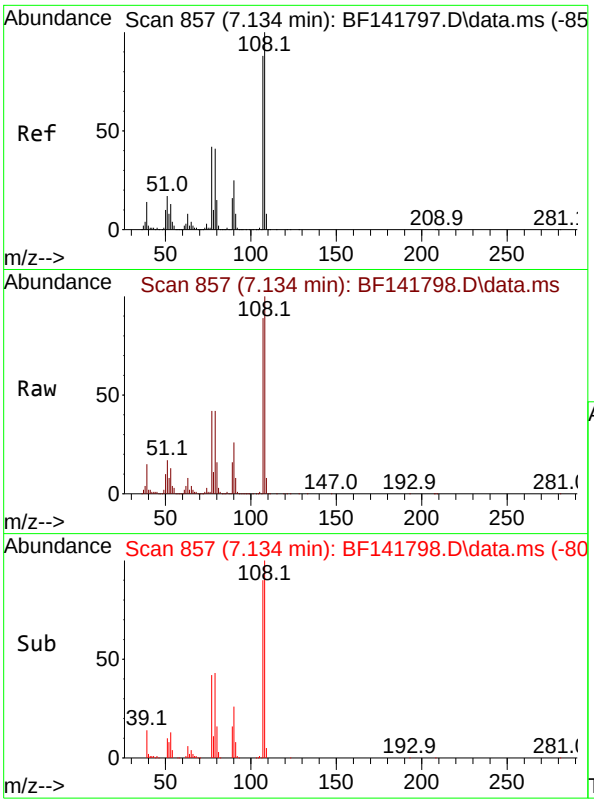


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.854 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion: 45 Resp: 1423138

Ion	Ratio	Lower	Upper
45	100		
77	14.4	0.0	34.4
79	10.9	0.0	30.9



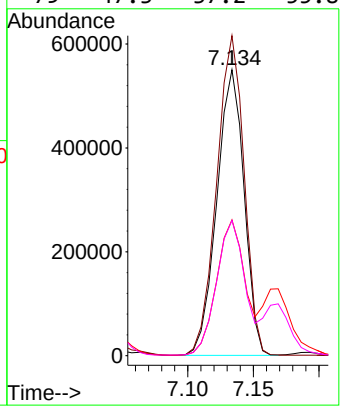


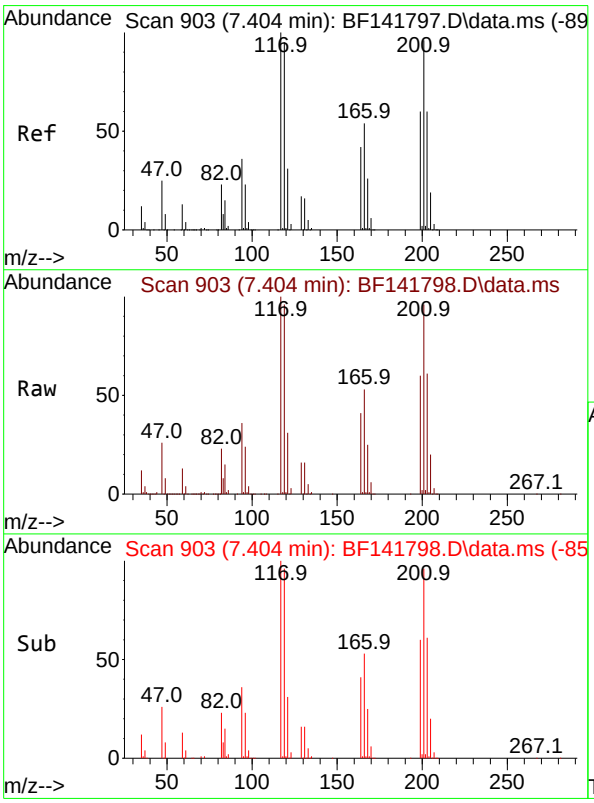
#17
2-Methylphenol
Concen: 48.240 ng
RT: 7.134 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 795600

Ion	Ratio	Lower	Upper
107	100		
108	111.9	90.6	135.8
77	47.5	37.7	56.5
79	47.3	37.2	55.8

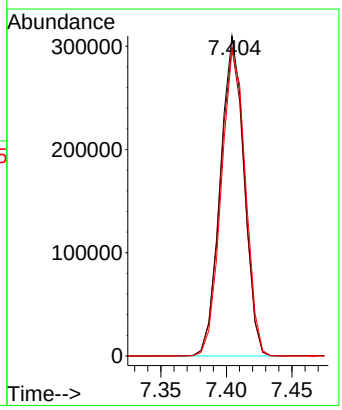


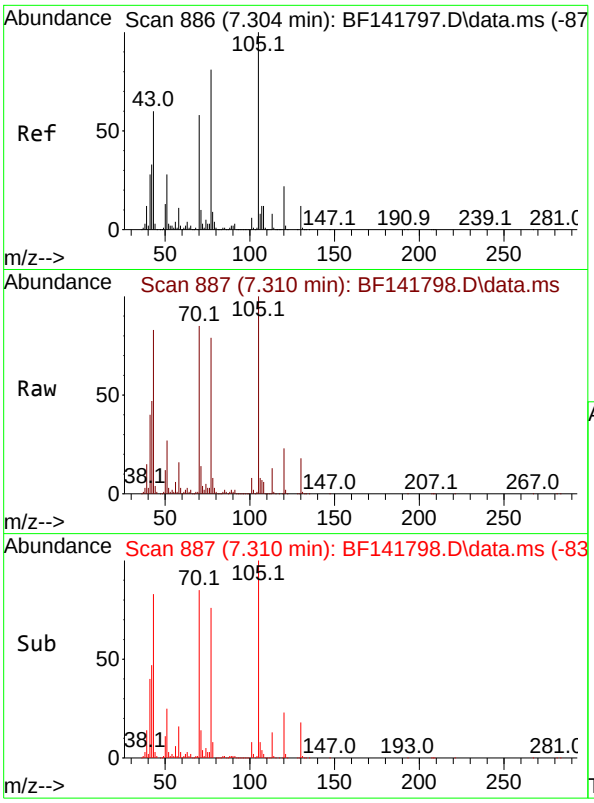


#18
Hexachloroethane
Concen: 48.741 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:117 Resp: 393322

Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.8	113.8
201	95.6	76.7	115.1



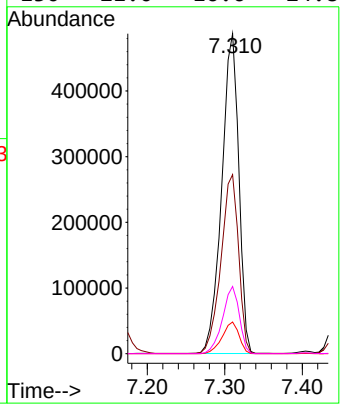


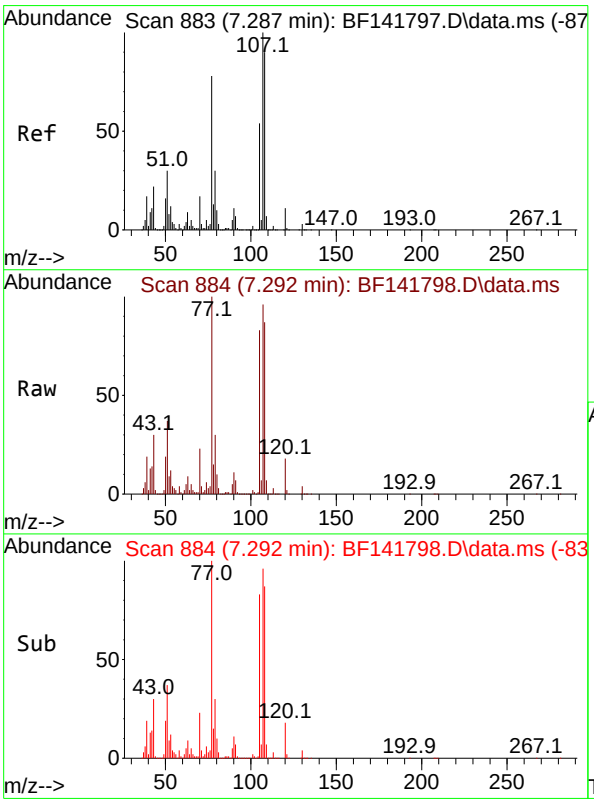
#19
n-Nitroso-di-n-propylamine
Concen: 47.090 ng
RT: 7.310 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 744192

Ion	Ratio	Lower	Upper
70	100		
42	55.9	45.4	68.0
101	9.9	7.8	11.8
130	21.0	16.6	24.8

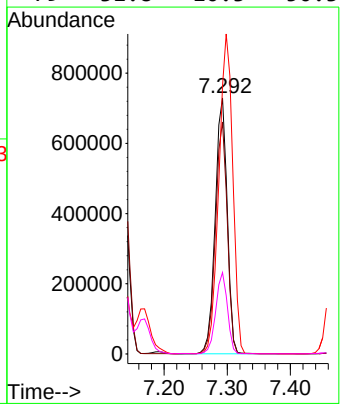


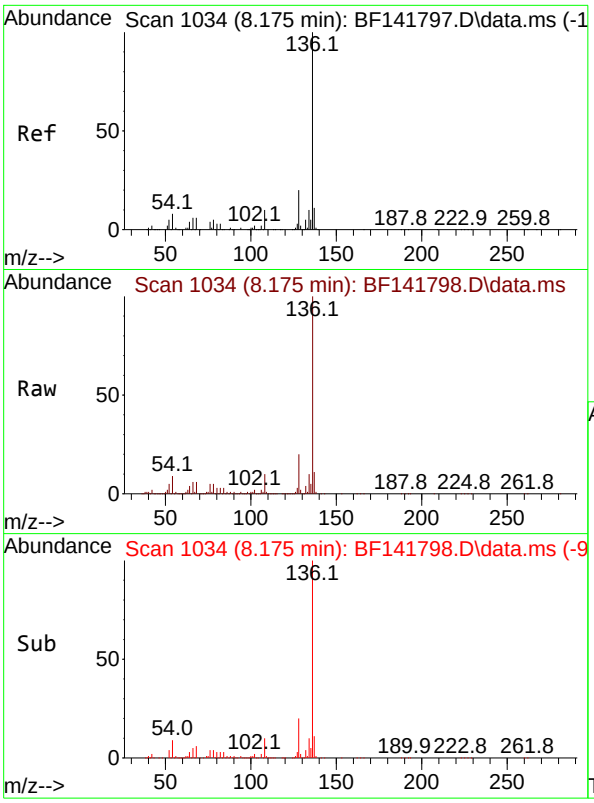


#20
3+4-Methylphenols
Concen: 46.825 ng
RT: 7.292 min Scan# 884
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:107 Resp: 961623

Ion	Ratio	Lower	Upper
107	100		
108	90.6	69.7	109.7
77	104.7	58.3	98.3#
79	31.8	10.3	50.3



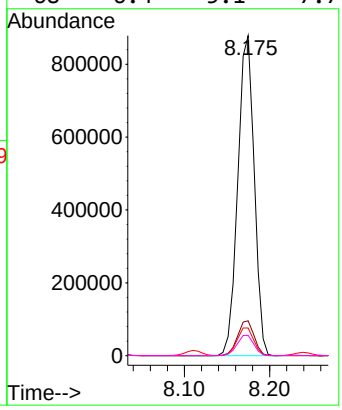


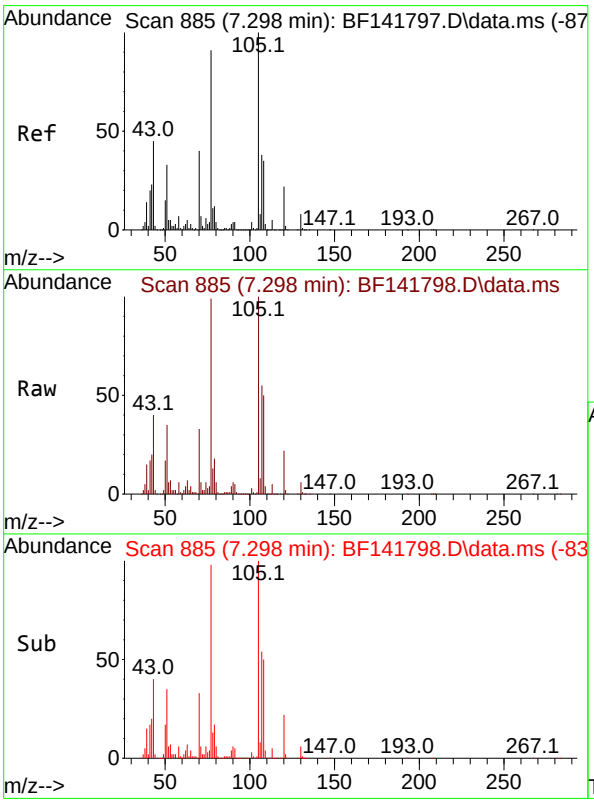
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 1175652

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.7	6.9	10.3
68	6.4	5.1	7.7

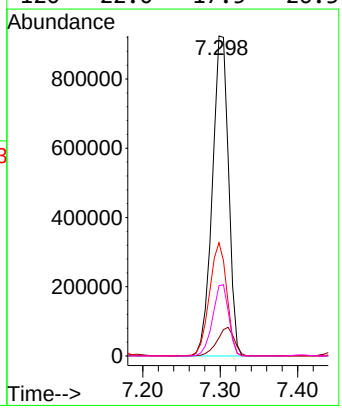


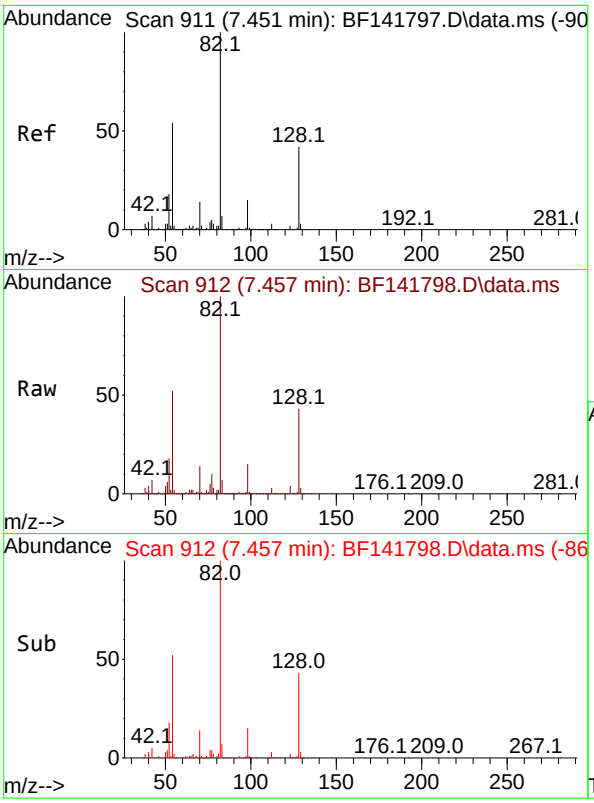


#22
Acetophenone
Concen: 46.798 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:105 Resp: 1339971

Ion	Ratio	Lower	Upper
105	100		
71	5.7	5.4	8.0
51	35.4	26.1	39.1
120	22.0	17.5	26.3



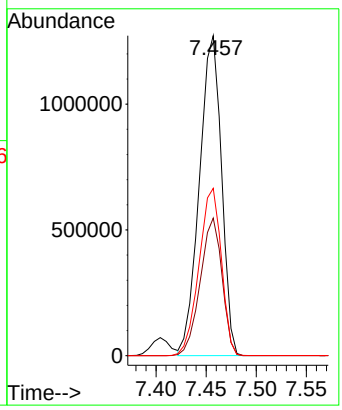


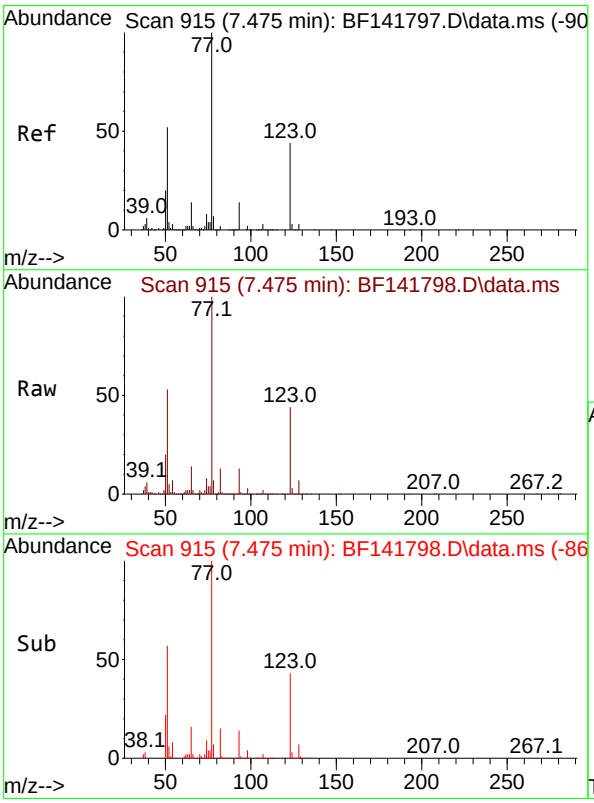
#23
Nitrobenzene-d5
Concen: 106.234 ng
RT: 7.457 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1953916

Ion	Ratio	Lower	Upper
82	100		
128	43.0	33.5	50.3
54	52.3	42.7	64.1

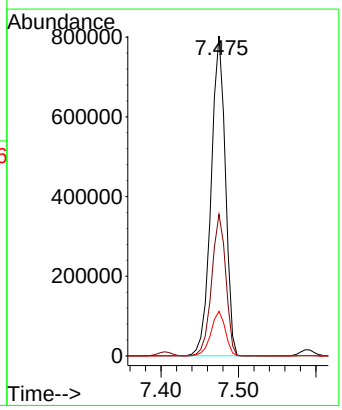


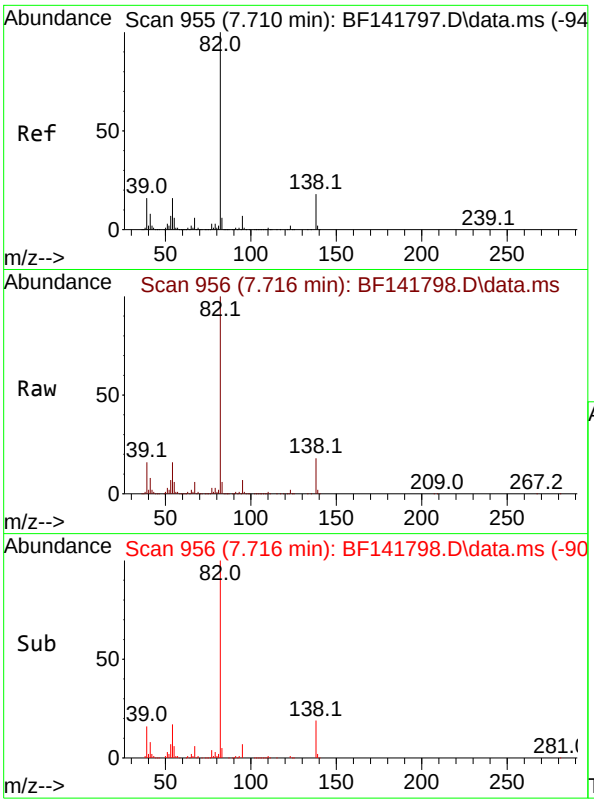


#24
Nitrobenzene
Concen: 52.073 ng
RT: 7.475 min Scan# 915
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion: 77 Resp: 1025625

Ion	Ratio	Lower	Upper
77	100		
123	44.2	35.8	53.8
65	14.0	11.2	16.8



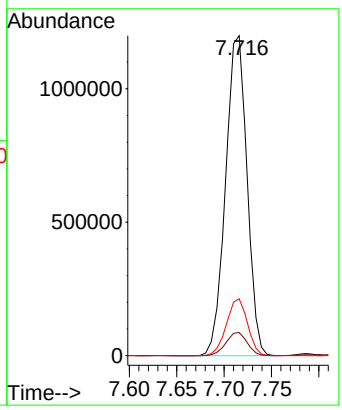


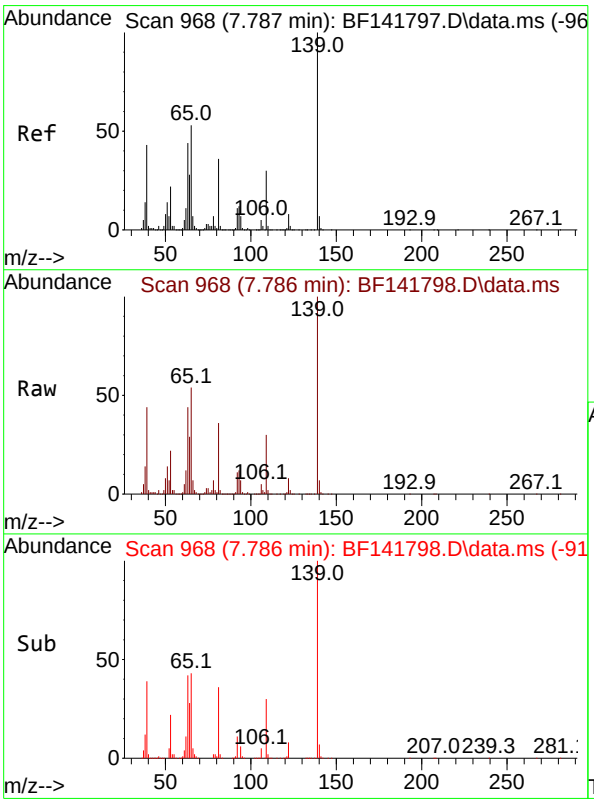
#25
Isophorone
Concen: 47.744 ng
RT: 7.716 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1886546

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	17.8	14.0	21.0

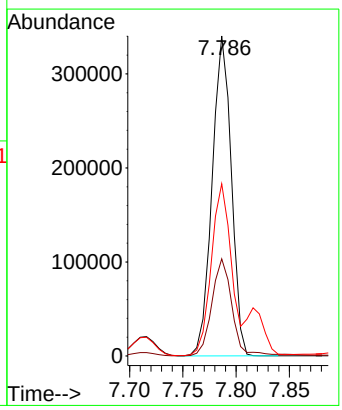


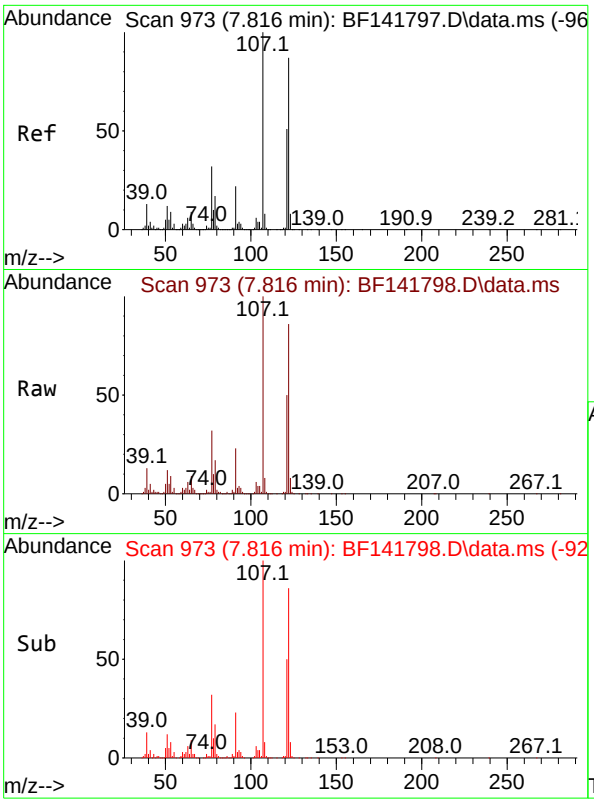


#26
2-Nitrophenol
Concen: 48.354 ng
RT: 7.786 min Scan# 968
Delta R.T. -0.001 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:139 Resp: 425765

Ion	Ratio	Lower	Upper
139	100		
109	30.4	24.1	36.1
65	53.8	42.3	63.5



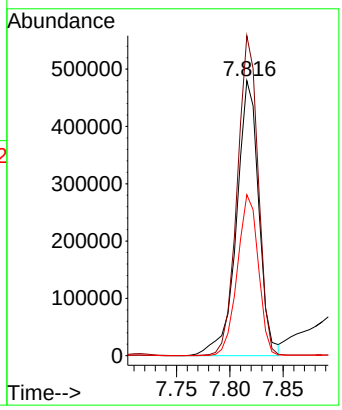


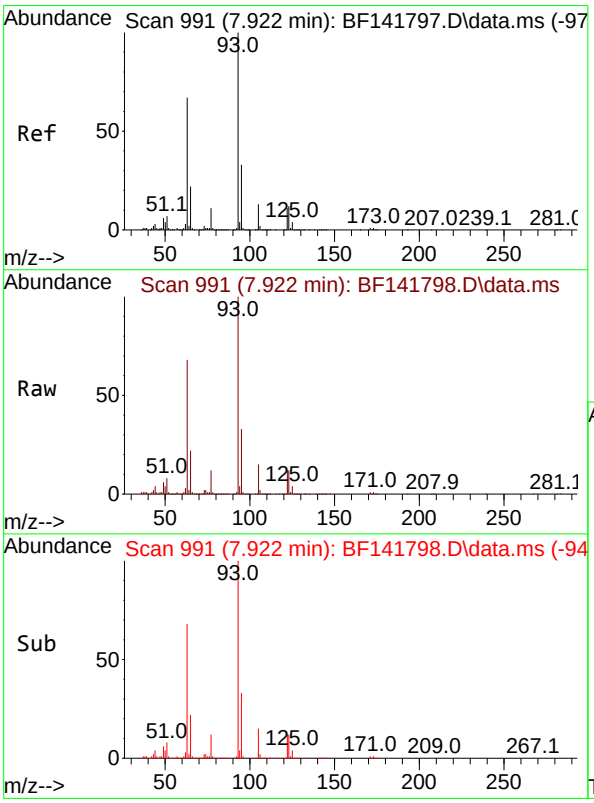
#27
2,4-Dimethylphenol
Concen: 48.082 ng
RT: 7.816 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 698393

Ion	Ratio	Lower	Upper
122	100		
107	116.4	92.5	138.7
121	58.6	47.1	70.7

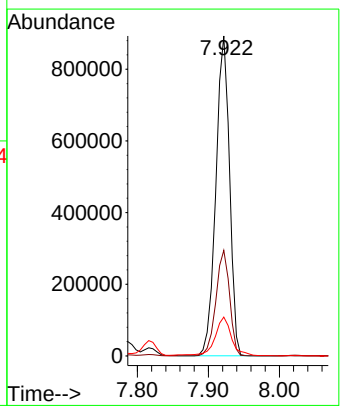


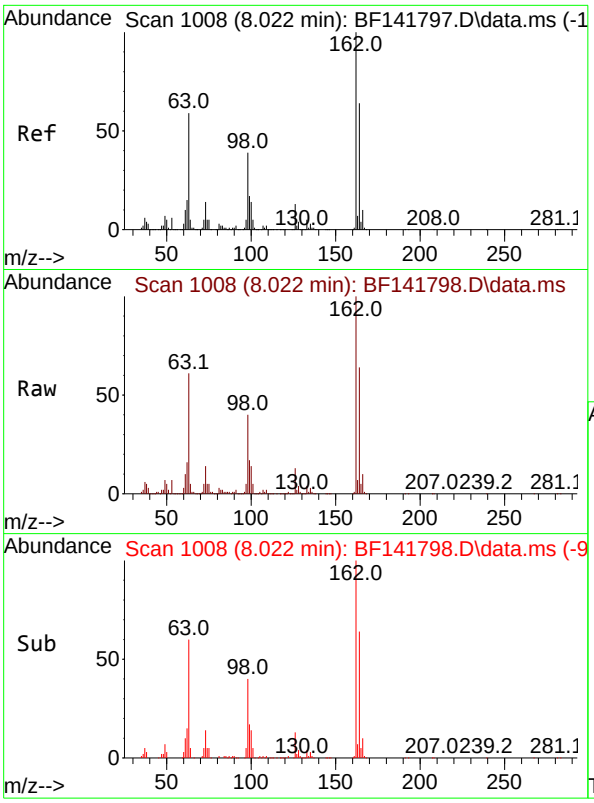


#28
bis(2-Chloroethoxy)methane
Concen: 47.060 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion: 93 Resp: 1186179

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.5	39.7
123	12.2	10.0	15.0



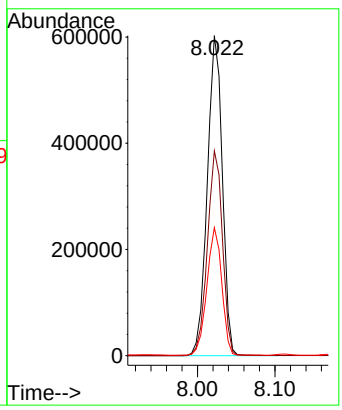


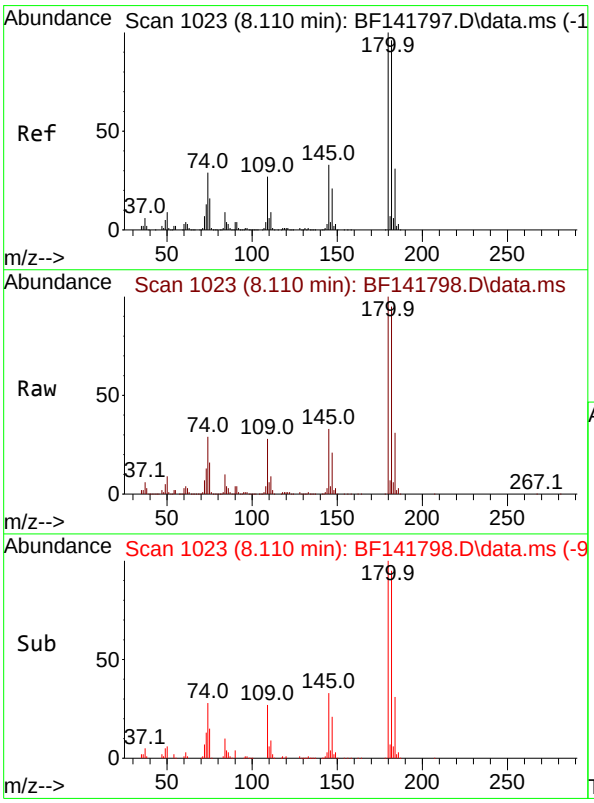
#29
2,4-Dichlorophenol
Concen: 48.527 ng
RT: 8.022 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 813150

Ion	Ratio	Lower	Upper
162	100		
164	64.0	44.3	84.3
98	40.0	19.6	59.6

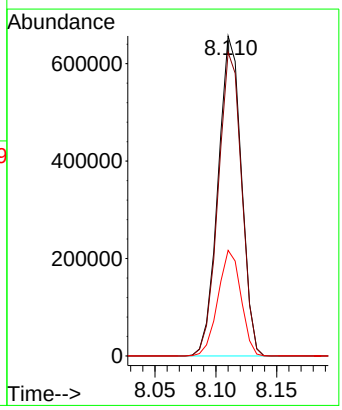


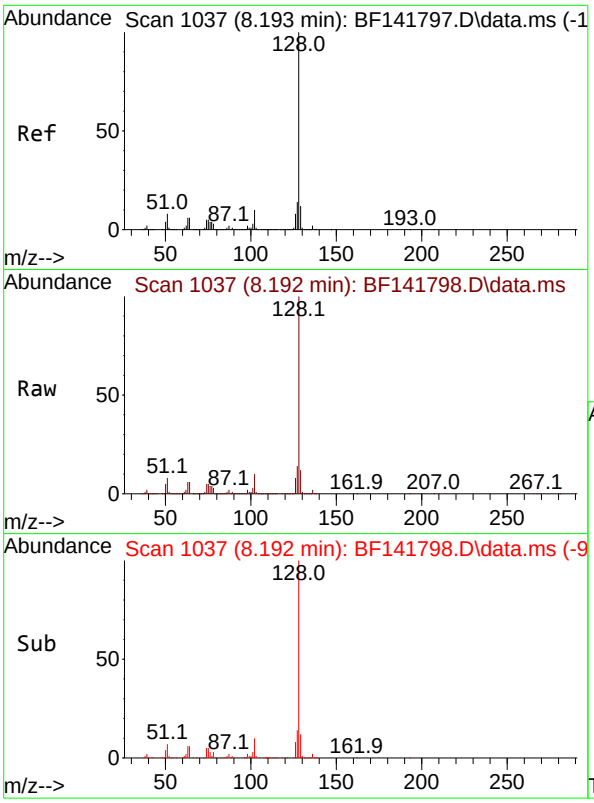


#30
1,2,4-Trichlorobenzene
Concen: 47.693 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:180 Resp: 875703

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.8	115.2
145	33.0	26.4	39.6



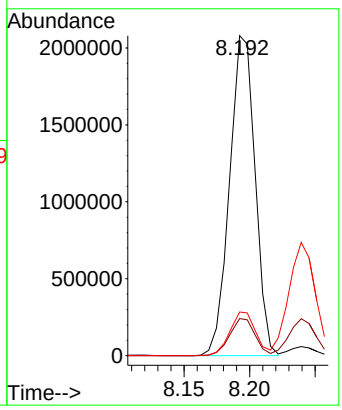


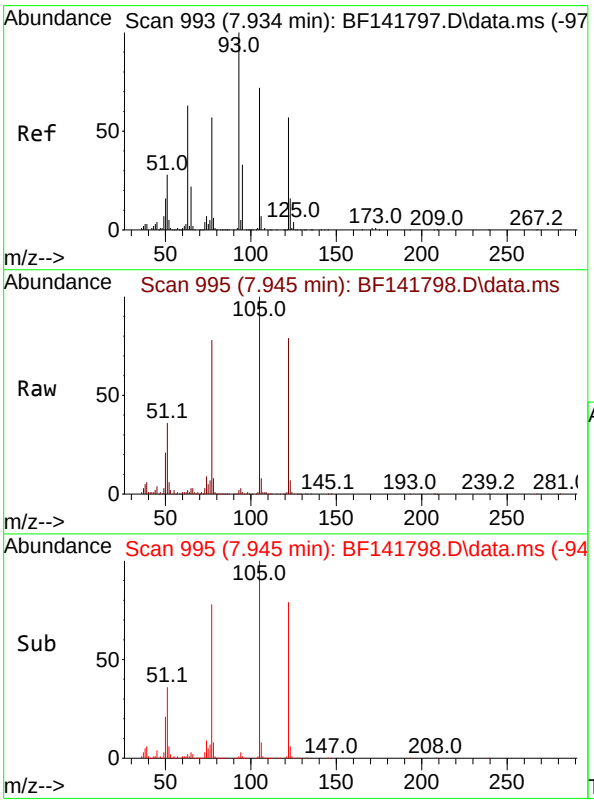
#31
Naphthalene
Concen: 46.685 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 2820879

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.2	13.8
127	13.7	11.0	16.4

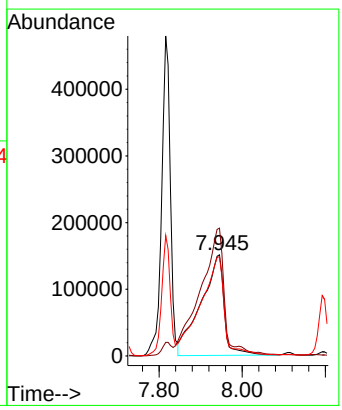


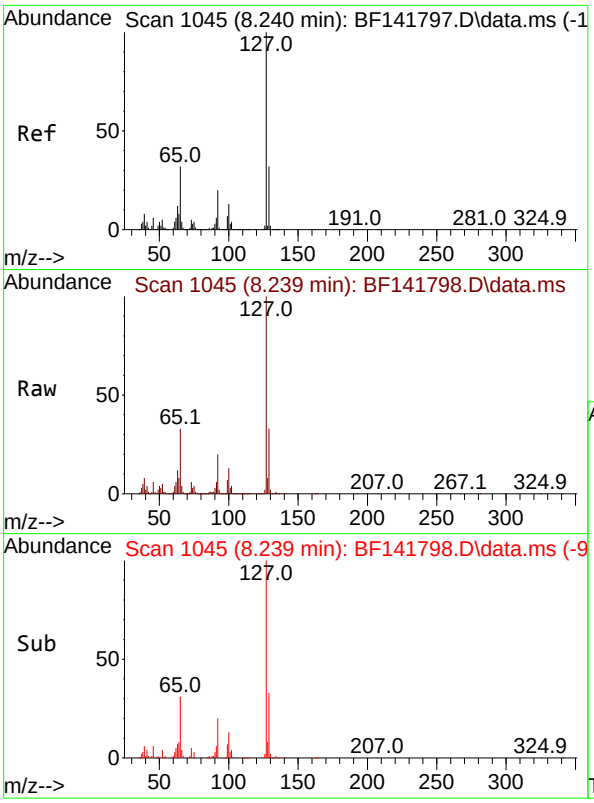


#32
Benzoic acid
Concen: 48.392 ng
RT: 7.945 min Scan# 995
Delta R.T. 0.011 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:122 Resp: 587574

Ion	Ratio	Lower	Upper
122	100		
105	126.4	105.8	145.8
77	98.1	79.9	119.9



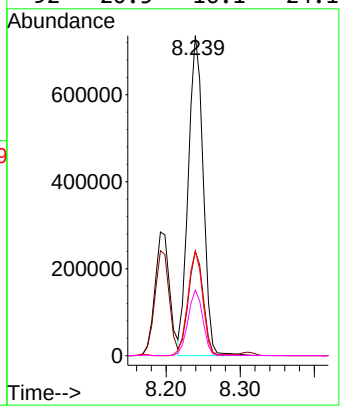


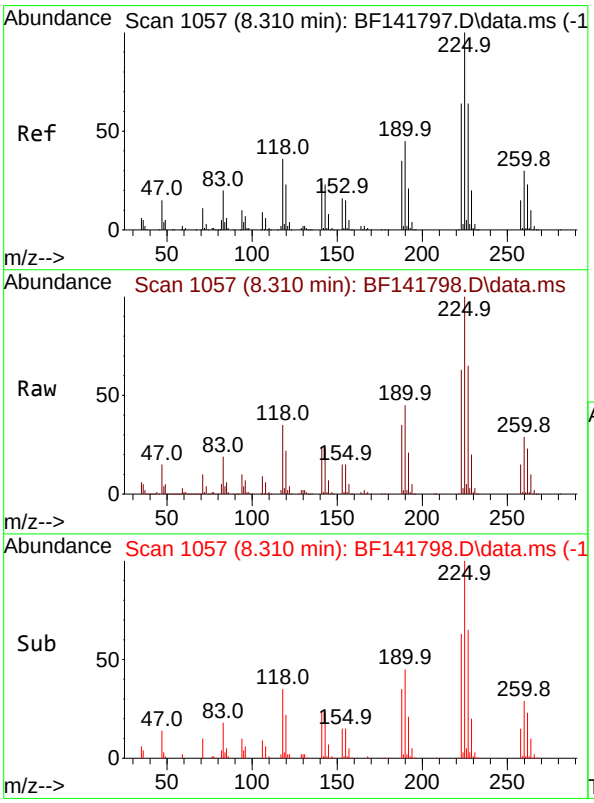
#33
4-Chloroaniline
Concen: 46.432 ng
RT: 8.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 1028715

Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.1	39.1
65	32.7	25.7	38.5
92	20.5	16.1	24.1

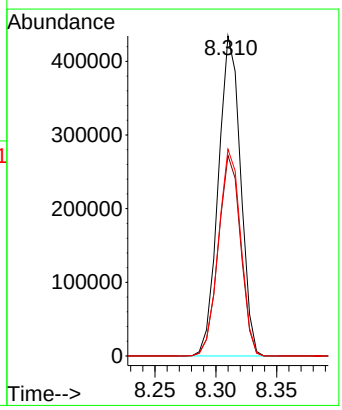


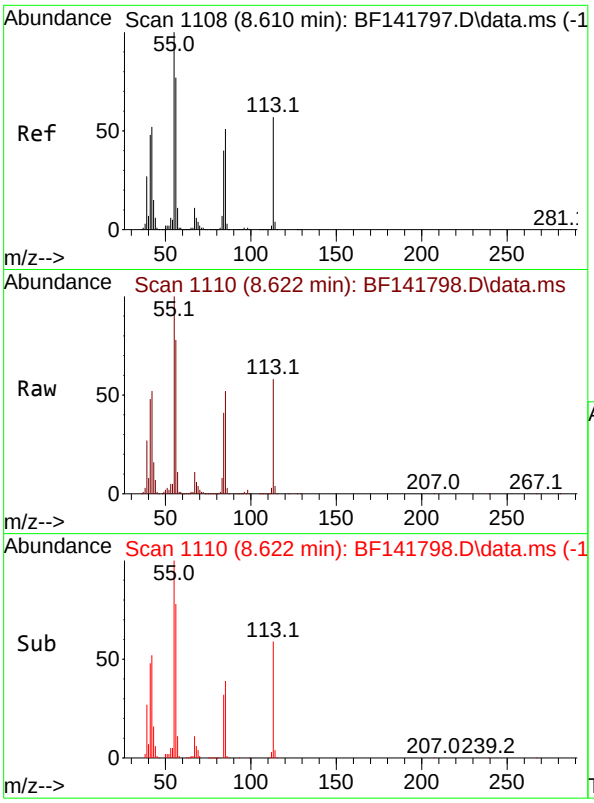


#34
Hexachlorobutadiene
Concen: 48.351 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:225 Resp: 551683

Ion	Ratio	Lower	Upper
225	100		
223	62.7	51.4	77.2
227	64.6	51.6	77.4



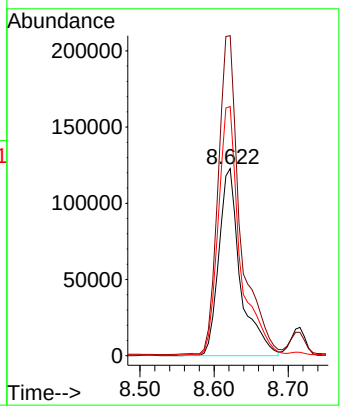


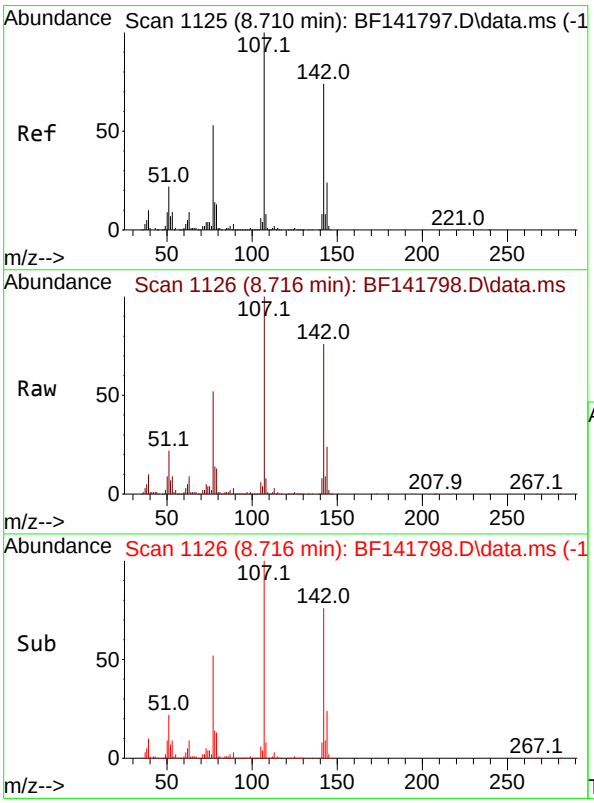
#35
Caprolactam
Concen: 48.241 ng
RT: 8.622 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 248725

Ion	Ratio	Lower	Upper
113	100		
55	171.1	155.6	195.6
56	133.2	114.6	154.6

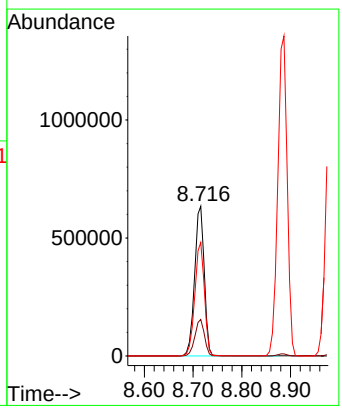


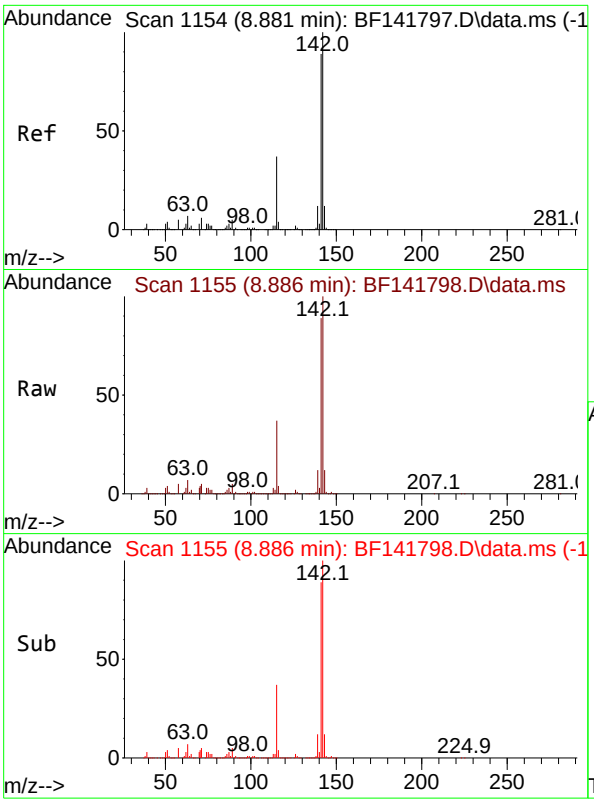


#36
4-Chloro-3-methylphenol
Concen: 47.314 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:107 Resp: 880725

Ion	Ratio	Lower	Upper
107	100		
144	24.4	19.4	29.0
142	75.8	59.4	89.0



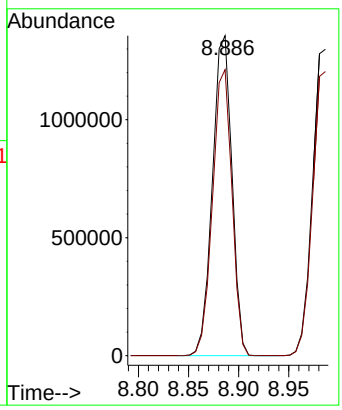


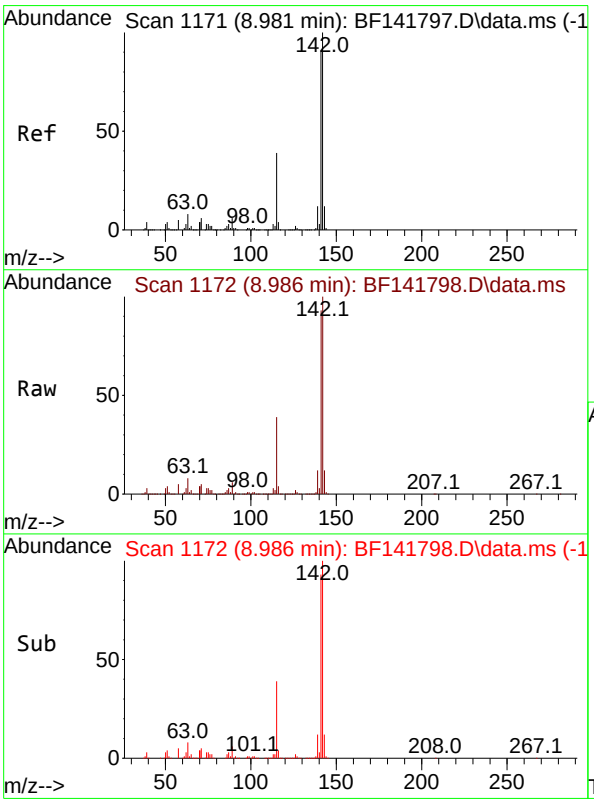
#37
2-Methylnaphthalene
Concen: 46.064 ng
RT: 8.886 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 1825639

Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.1	106.7

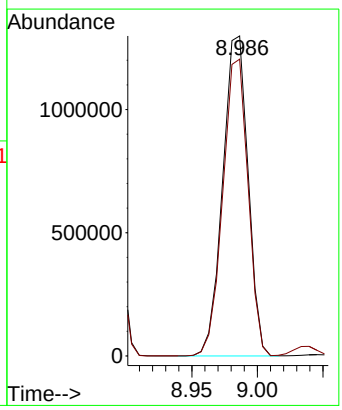


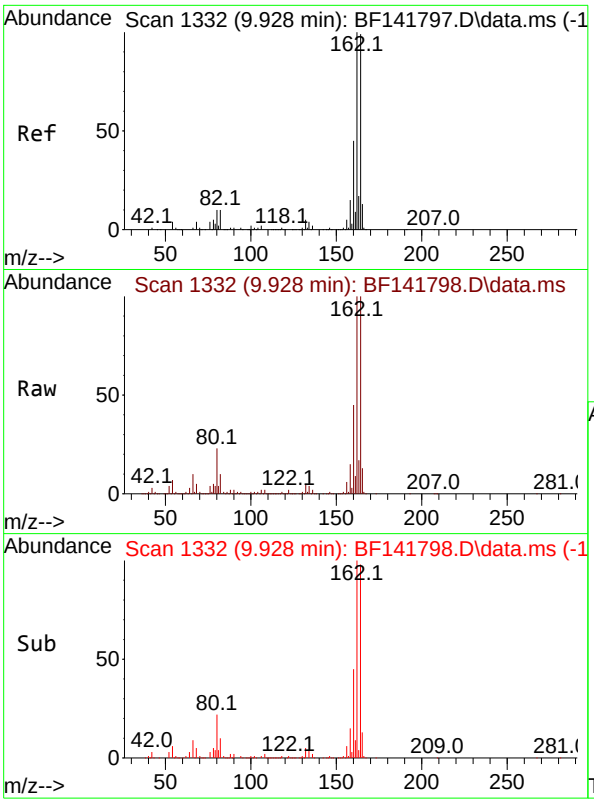


#38
1-Methylnaphthalene
Concen: 45.899 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:142 Resp: 1745465

Ion	Ratio	Lower	Upper
142	100		
141	92.7	73.1	109.7



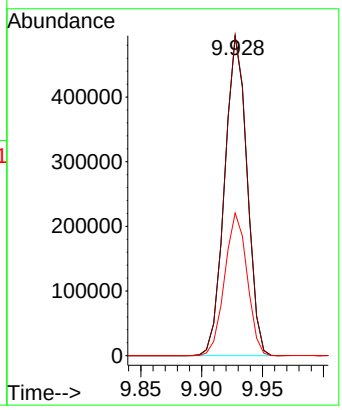


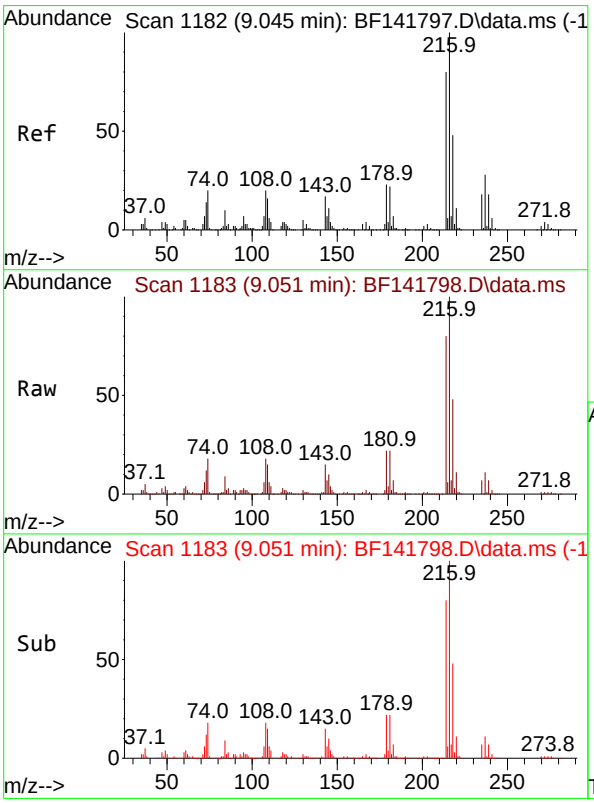
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 632437

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.6	120.8
160	44.7	36.3	54.5

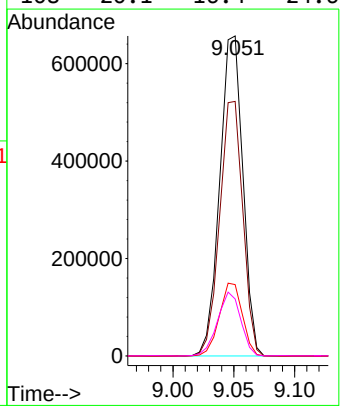


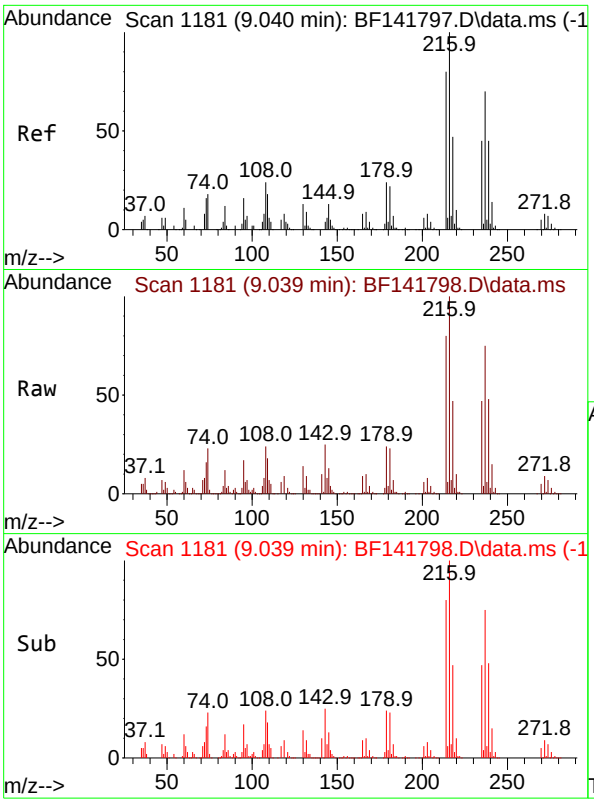


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.555 ng
RT: 9.051 min Scan# 1183
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:216 Resp: 868619

Ion	Ratio	Lower	Upper
216	100		
214	79.7	63.5	95.3
179	22.6	18.1	27.1
108	20.1	16.4	24.6



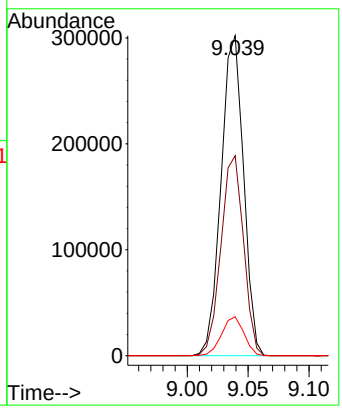


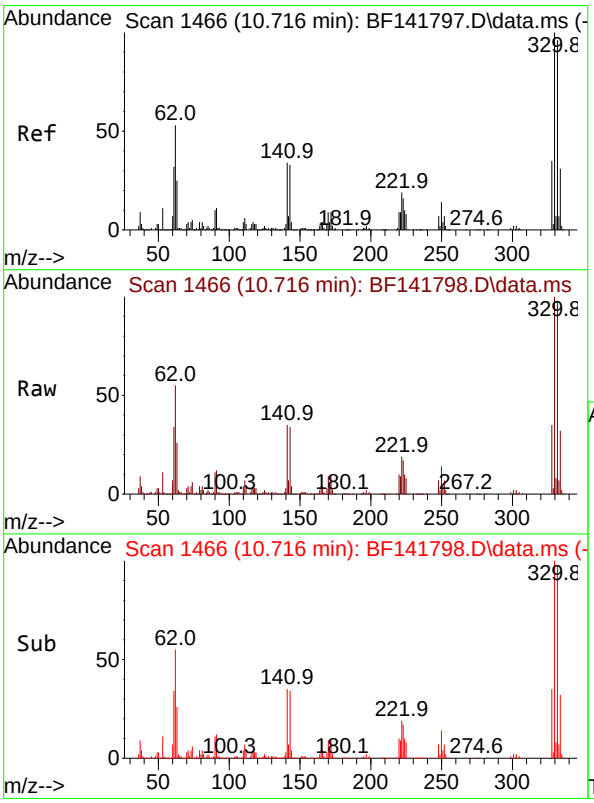
#41
Hexachlorocyclopentadiene
Concen: 50.930 ng
RT: 9.039 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 388222

Ion	Ratio	Lower	Upper
237	100		
235	62.5	43.3	83.3
272	12.2	0.0	31.9

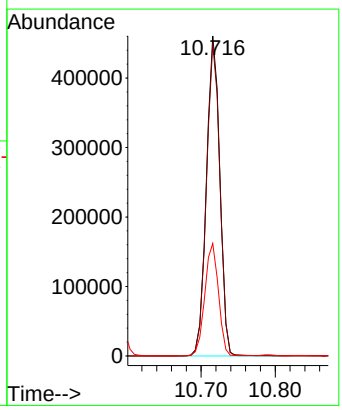


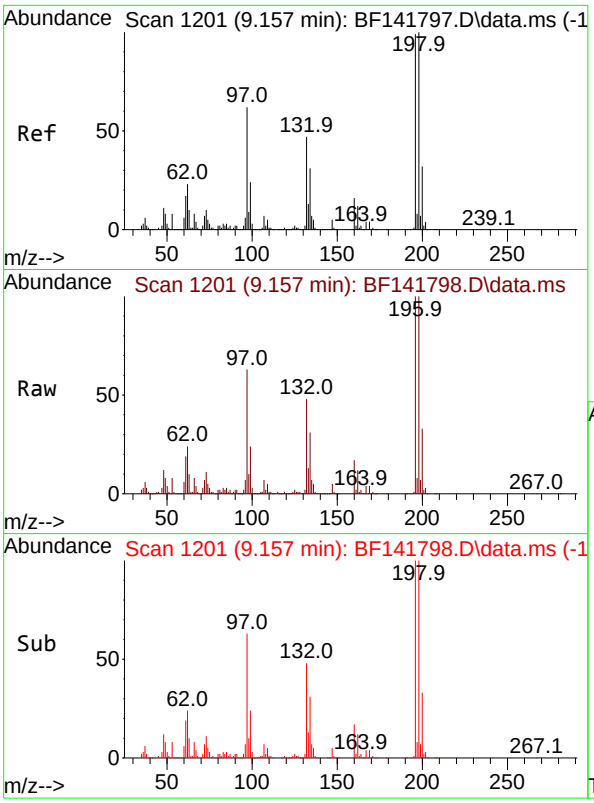


#42
2,4,6-Tribromophenol
Concen: 97.701 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:330 Resp: 580093

Ion	Ratio	Lower	Upper
330	100		
332	97.8	76.6	115.0
141	35.8	29.0	43.4



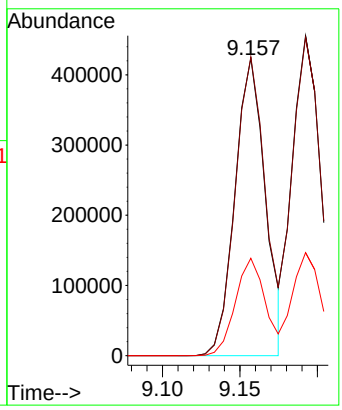


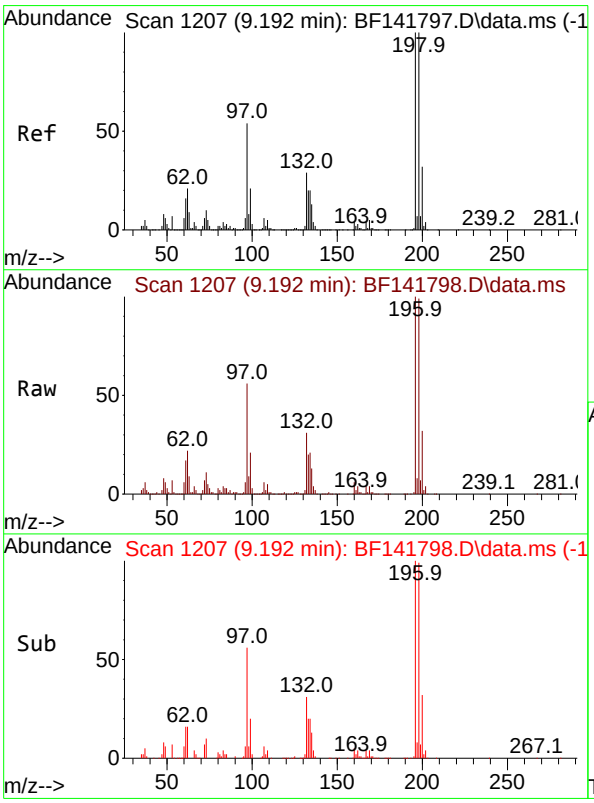
#43
2,4,6-Trichlorophenol
Concen: 49.010 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 578263

Ion	Ratio	Lower	Upper
196	100		
198	100.5	80.4	120.6
200	32.7	25.7	38.5

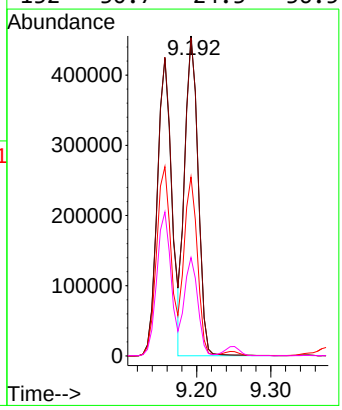


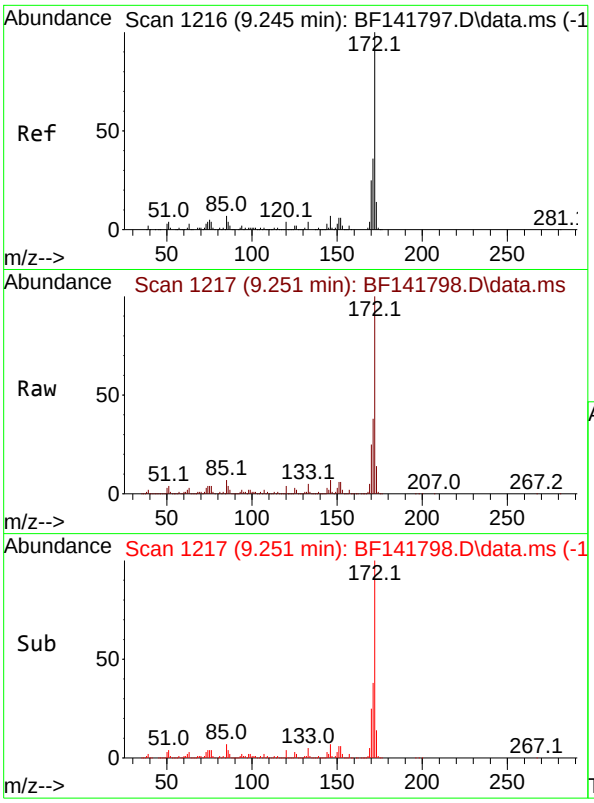


#44
2,4,5-Trichlorophenol
Concen: 49.213 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:196 Resp: 574978

Ion	Ratio	Lower	Upper
196	100		
198	99.5	79.7	119.5
97	55.9	44.2	66.2
132	30.7	24.3	36.5



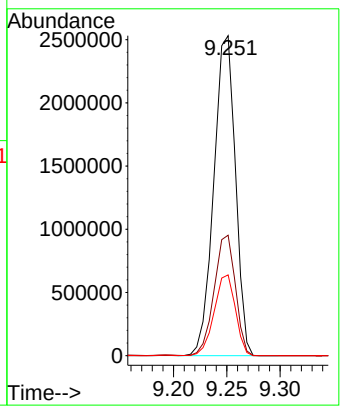


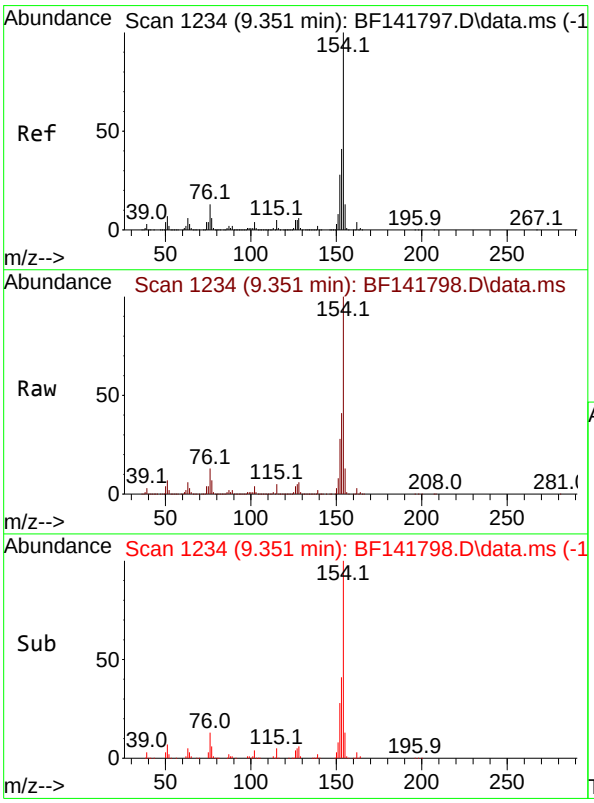
#45
2-Fluorobiphenyl
Concen: 90.435 ng
RT: 9.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 3566962

Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.2	43.8
170	25.2	19.7	29.5

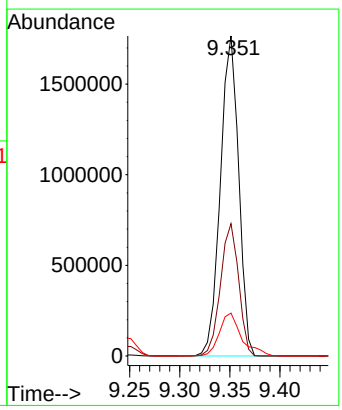


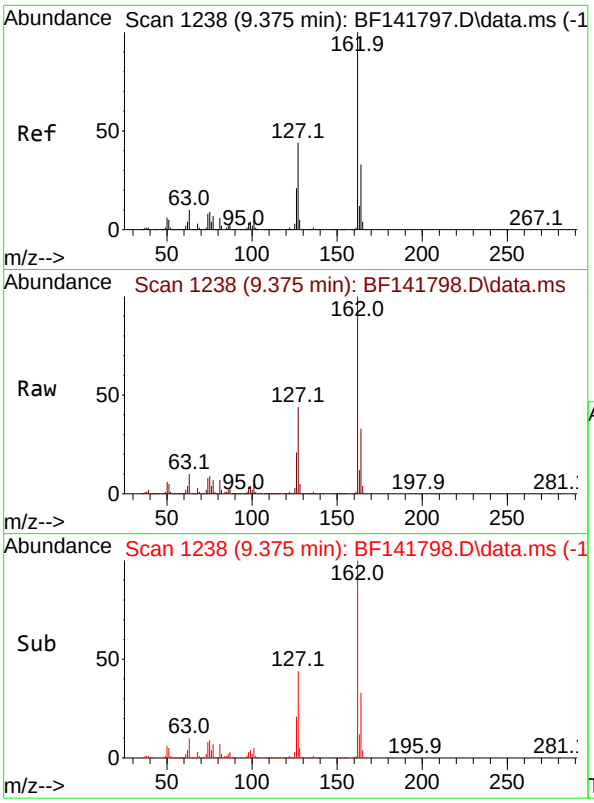


#46
1,1'-Biphenyl
Concen: 46.420 ng
RT: 9.351 min Scan# 1234
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:154 Resp: 2234592

Ion	Ratio	Lower	Upper
154	100		
153	41.4	21.4	61.4
76	13.4	0.0	33.4



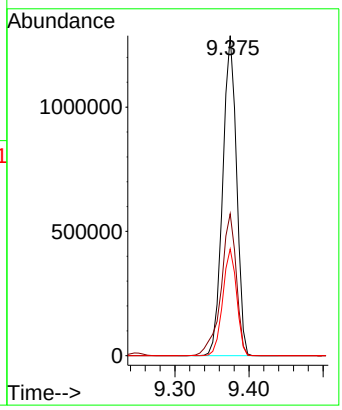


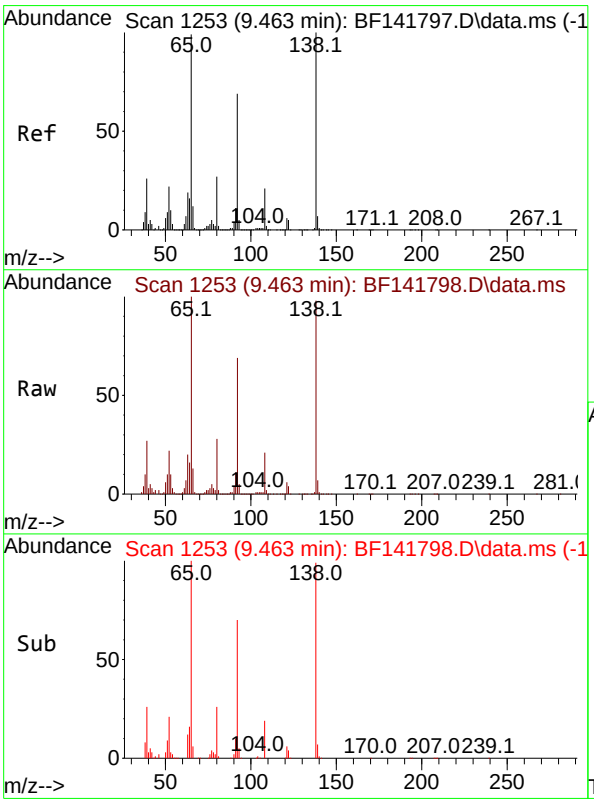
#47
2-Chloronaphthalene
Concen: 47.075 ng
RT: 9.375 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 1672555

Ion	Ratio	Lower	Upper
162	100		
127	44.4	35.0	52.6
164	33.4	26.6	40.0

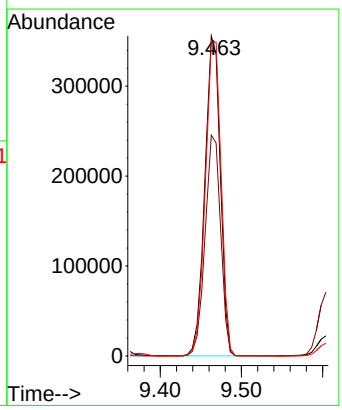


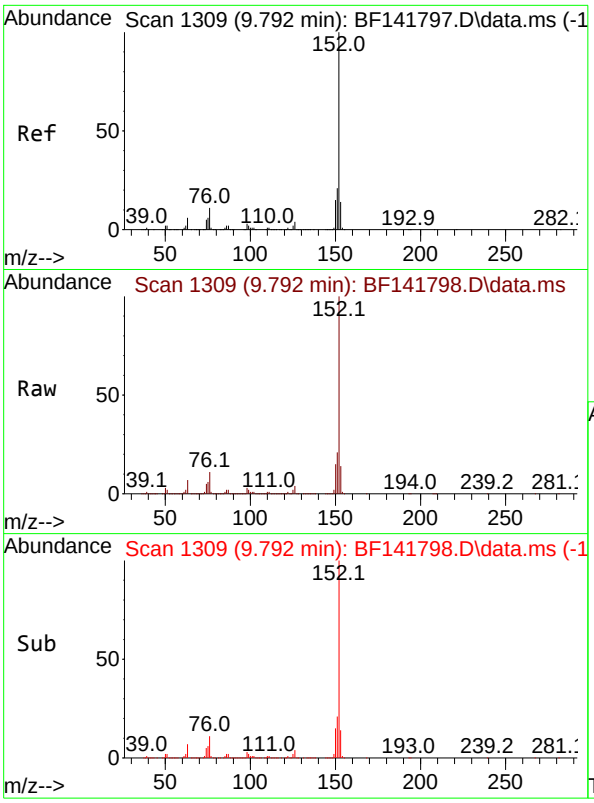


#48
2-Nitroaniline
Concen: 48.211 ng
RT: 9.463 min Scan# 1253
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion: 65 Resp: 469075

Ion	Ratio	Lower	Upper
65	100		
92	69.0	55.7	83.5
138	98.1	80.6	121.0



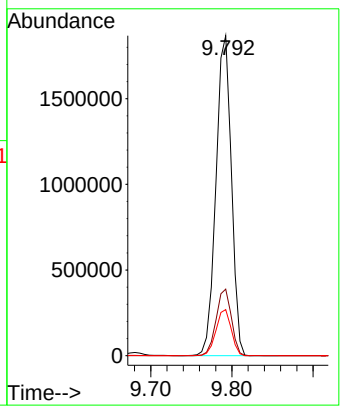


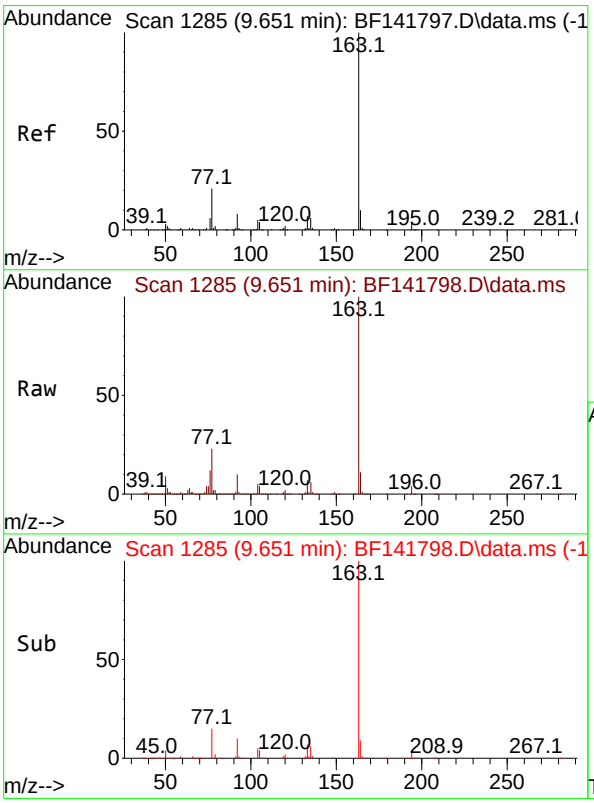
#49
Acenaphthylene
Concen: 46.294 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 2466104

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.6	24.8
153	14.4	11.2	16.8

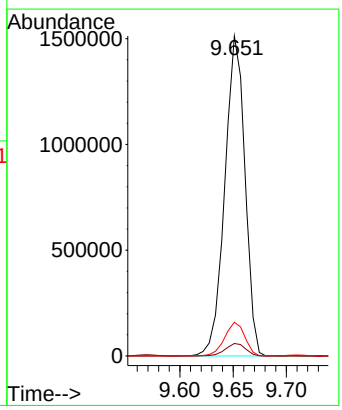


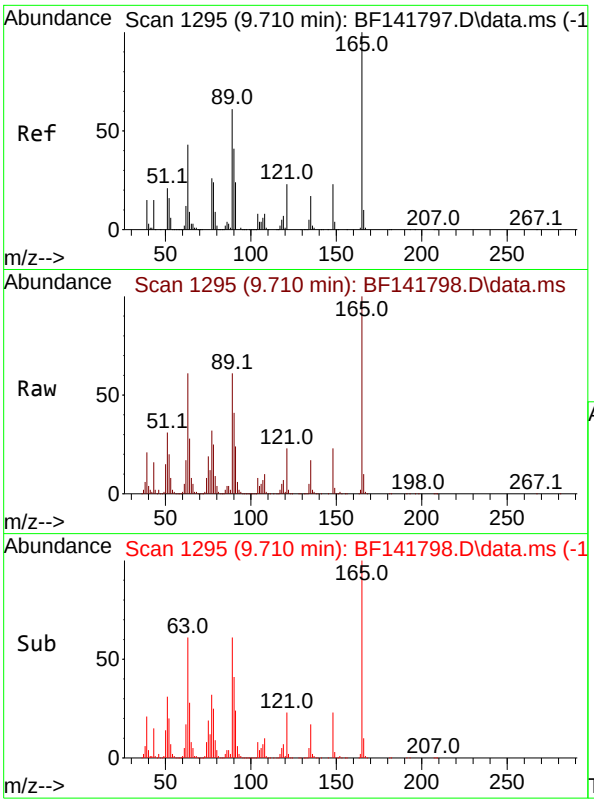


#50
Dimethylphthalate
Concen: 47.103 ng
RT: 9.651 min Scan# 1285
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:163 Resp: 1994958

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.5	8.4	12.6



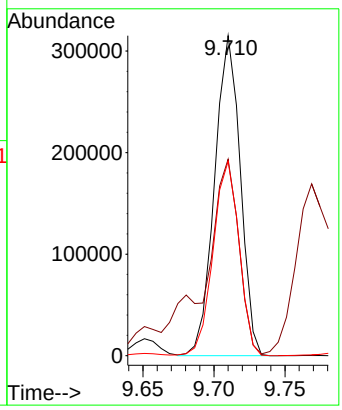


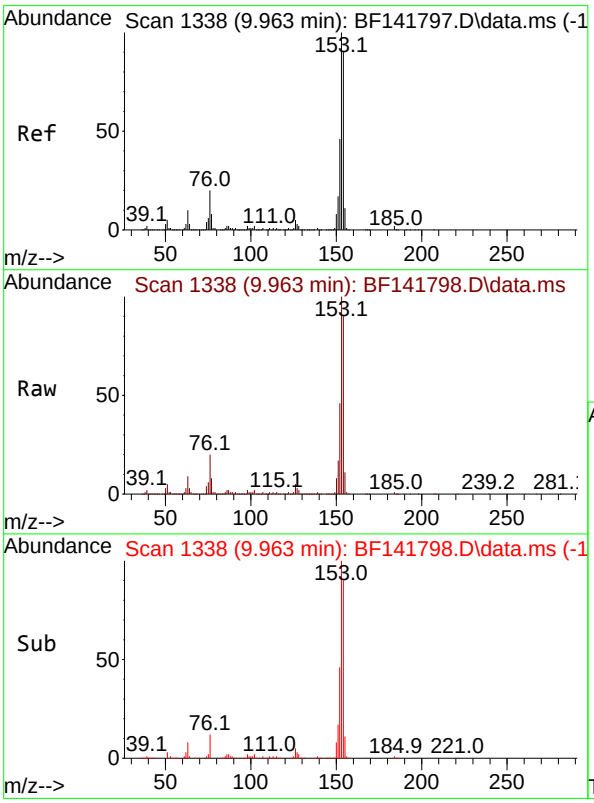
#51
2,6-Dinitrotoluene
Concen: 48.926 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 396873

Ion	Ratio	Lower	Upper
165	100		
63	61.4	49.5	74.3
89	60.8	49.0	73.4

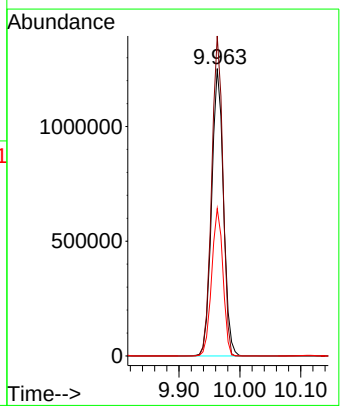


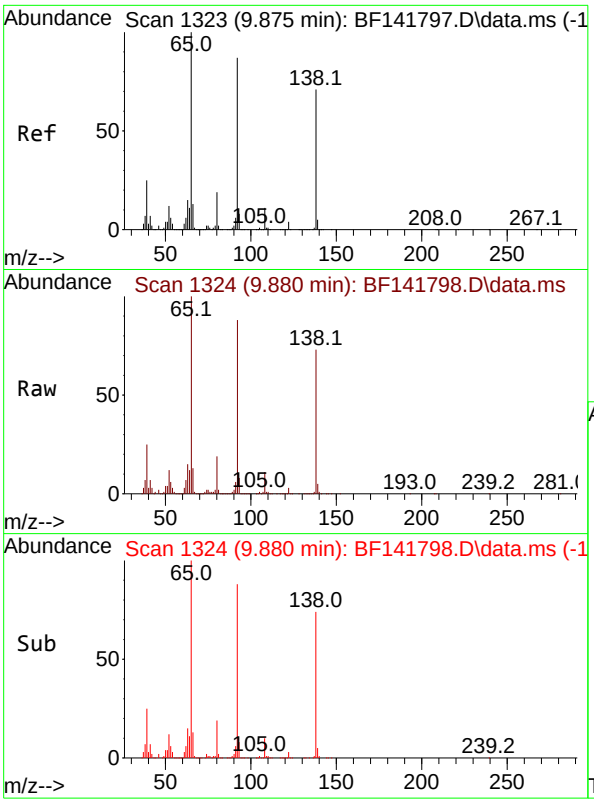


#52
Acenaphthene
Concen: 46.994 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:154 Resp: 1689163

Ion	Ratio	Lower	Upper
154	100		
153	111.4	88.7	133.1
152	51.3	40.9	61.3



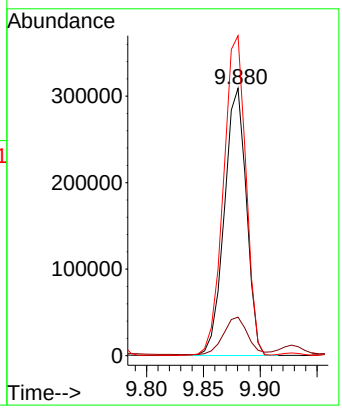


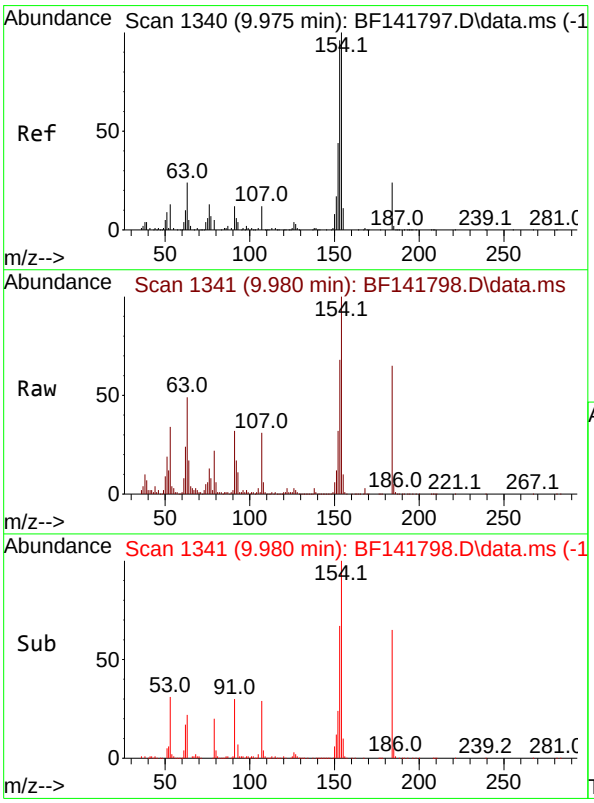
#53
3-Nitroaniline
Concen: 48.300 ng
RT: 9.880 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 417015

Ion	Ratio	Lower	Upper
138	100		
108	14.5	12.7	19.1
92	119.7	97.9	146.9

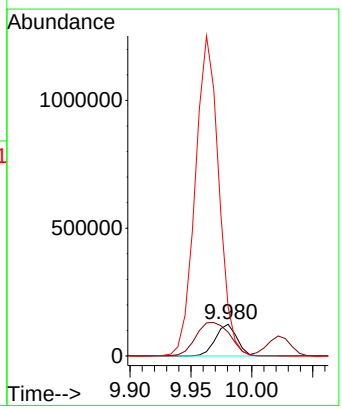


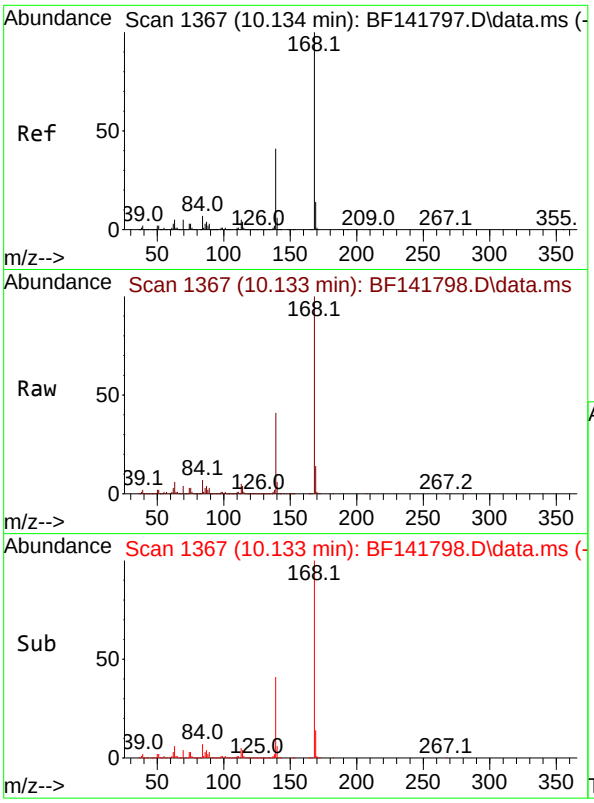


#54
2,4-Dinitrophenol
Concen: 48.388 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.005 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:184 Resp: 151706

Ion	Ratio	Lower	Upper
184	100		
63	75.3	79.0	118.6#
154	154.1	335.8	503.8#



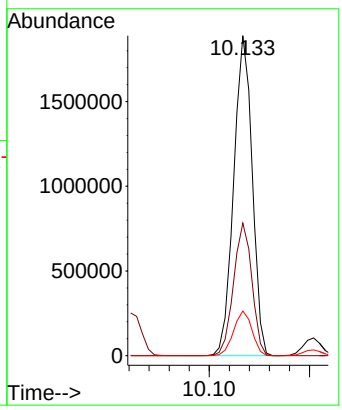


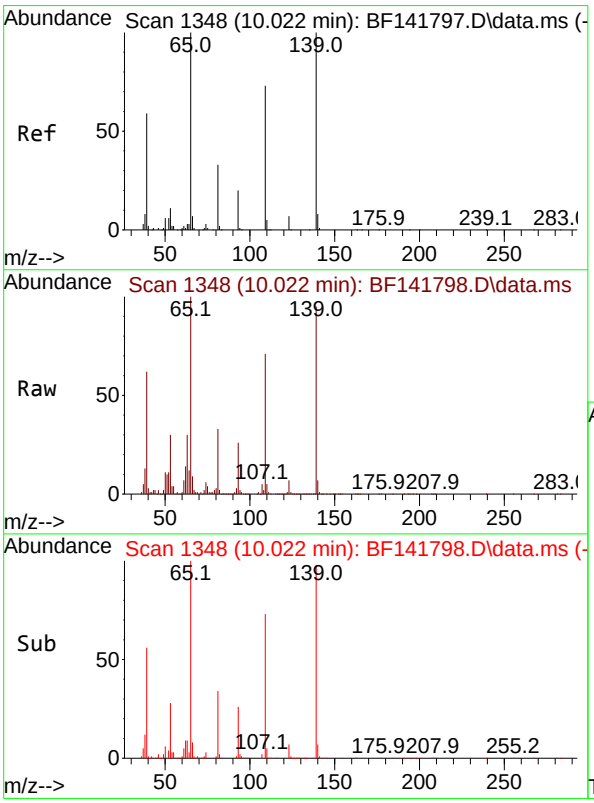
#55
Dibenzofuran
Concen: 46.312 ng
RT: 10.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 2422882

Ion	Ratio	Lower	Upper
168	100		
139	41.4	32.9	49.3
169	14.0	11.1	16.7

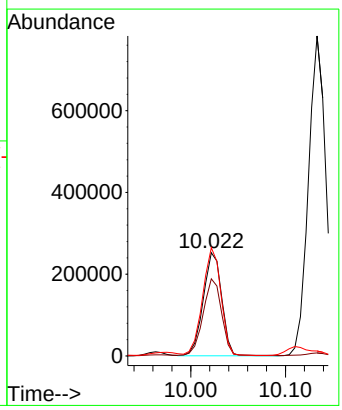


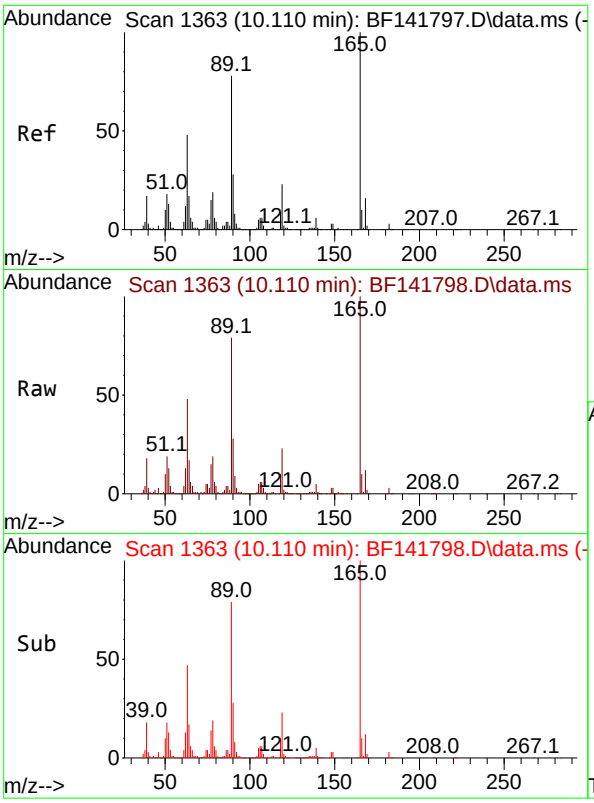


#56
4-Nitrophenol
Concen: 54.357 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:139 Resp: 340020

Ion	Ratio	Lower	Upper
139	100		
109	74.7	53.4	93.4
65	104.9	82.1	122.1



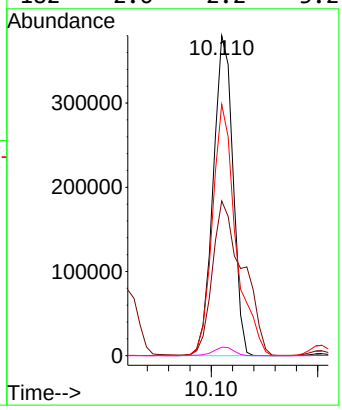


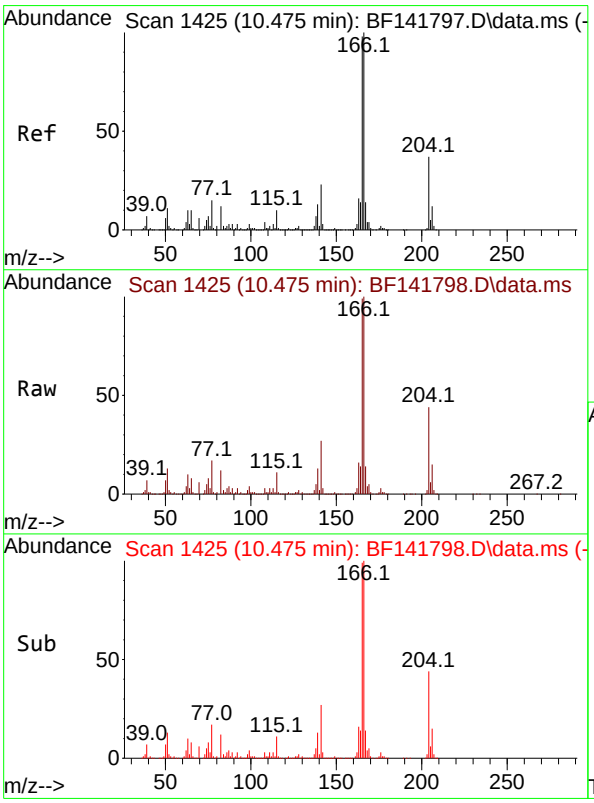
#57
2,4-Dinitrotoluene
Concen: 49.405 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 490028

Ion	Ratio	Lower	Upper
165	100		
63	48.4	38.8	58.2
89	78.6	62.6	94.0
182	2.6	2.2	3.2

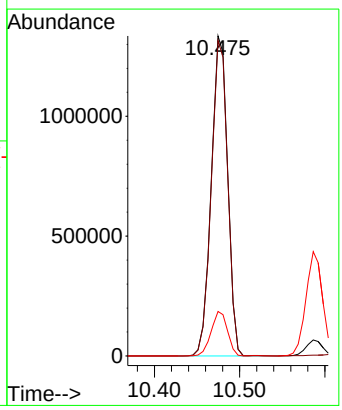


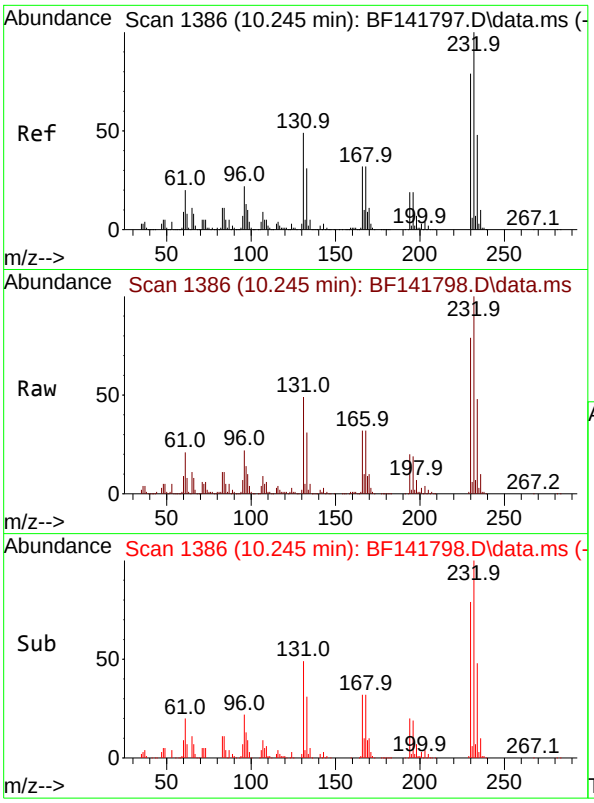


#58
Fluorene
Concen: 45.518 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:166 Resp: 1783757

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.6	117.8
167	13.9	11.0	16.4



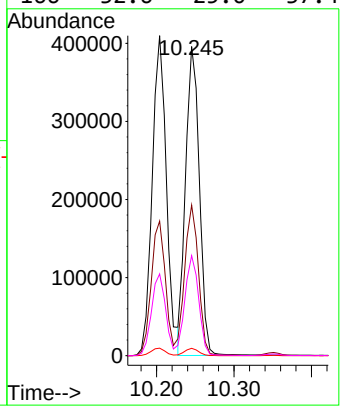


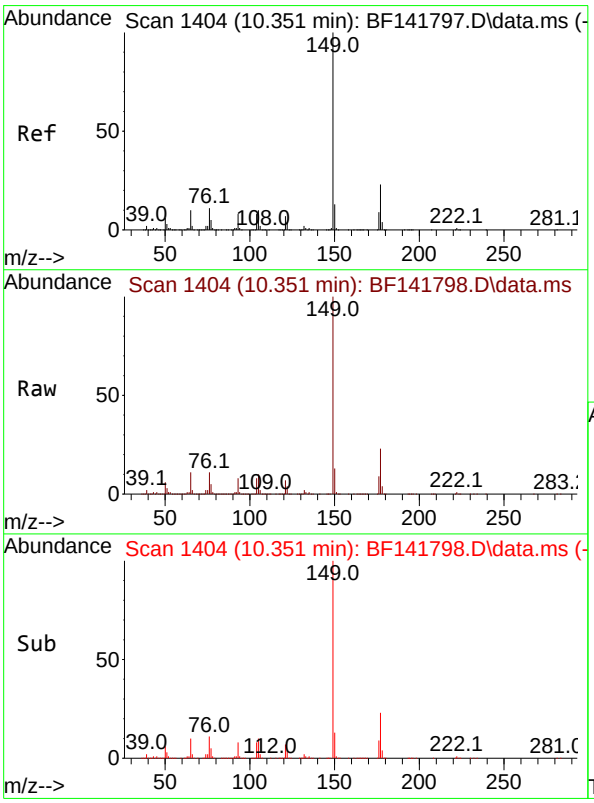
#59
2,3,4,6-Tetrachlorophenol
Concen: 48.140 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 489160

Ion	Ratio	Lower	Upper
232	100		
131	49.4	37.8	56.8
130	2.4	2.0	3.0
166	32.6	25.0	37.4

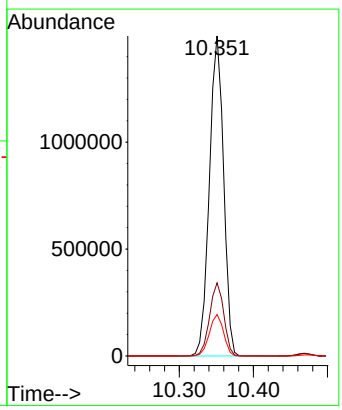


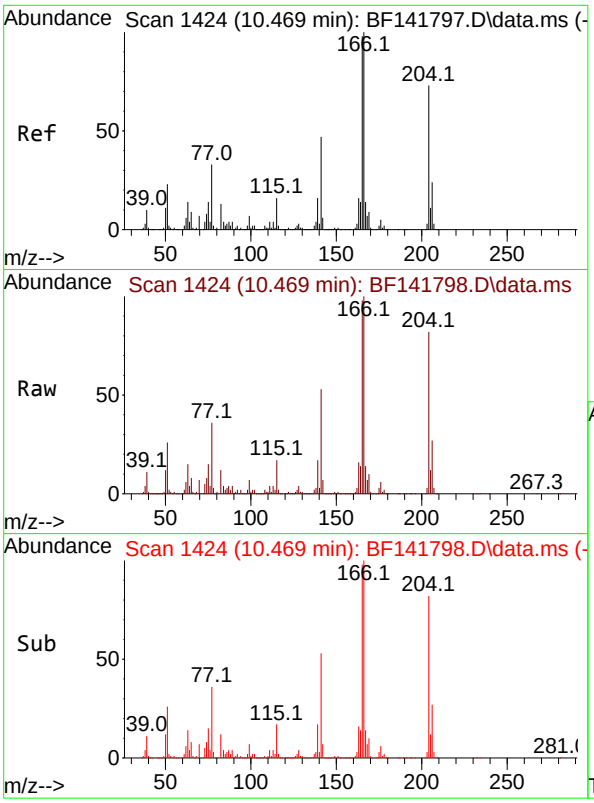


#60
Diethylphthalate
Concen: 46.896 ng
RT: 10.351 min Scan# 1404
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:149 Resp: 1991111

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.3	27.5
150	12.9	10.3	15.5



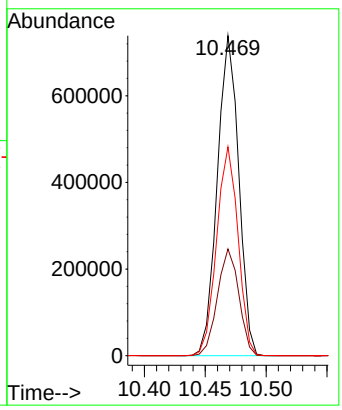


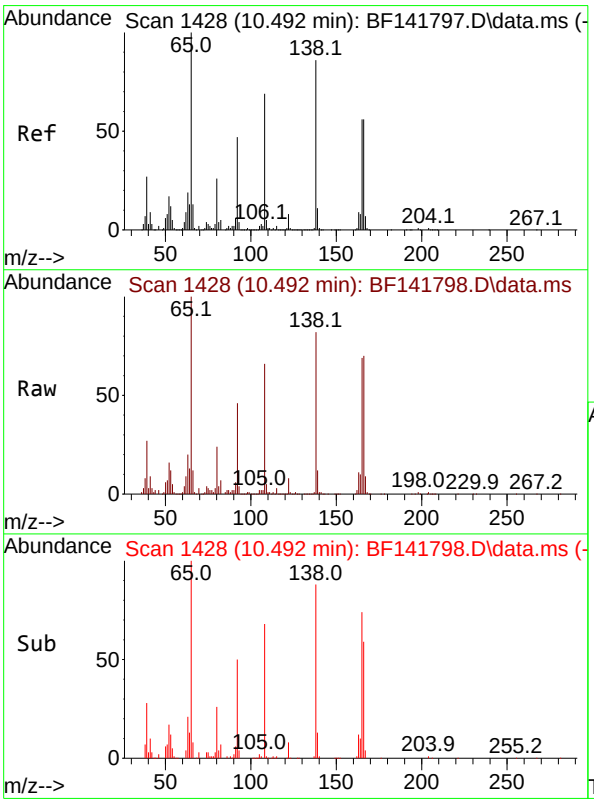
#61
4-Chlorophenyl-phenylether
Concen: 46.084 ng
RT: 10.469 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 904835

Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.2	39.4
141	65.3	51.7	77.5

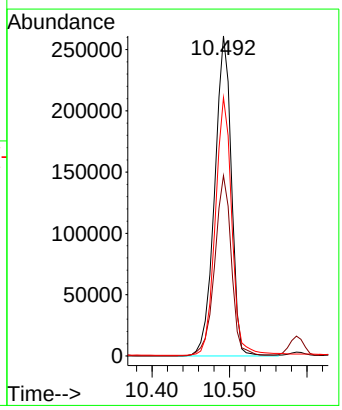


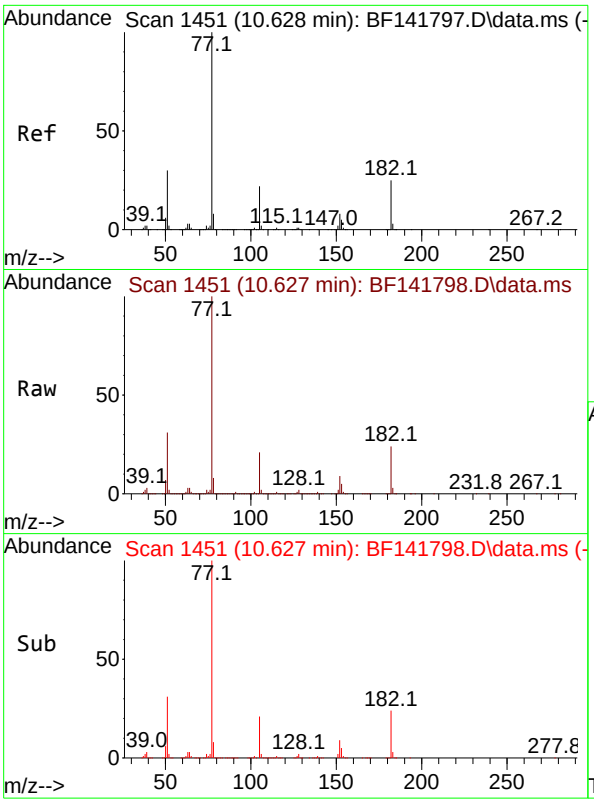


#62
4-Nitroaniline
Concen: 54.114 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:138 Resp: 391399

Ion	Ratio	Lower	Upper
138	100		
92	56.4	34.9	74.9
108	80.7	59.6	99.6



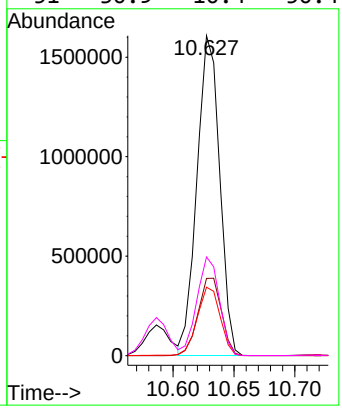


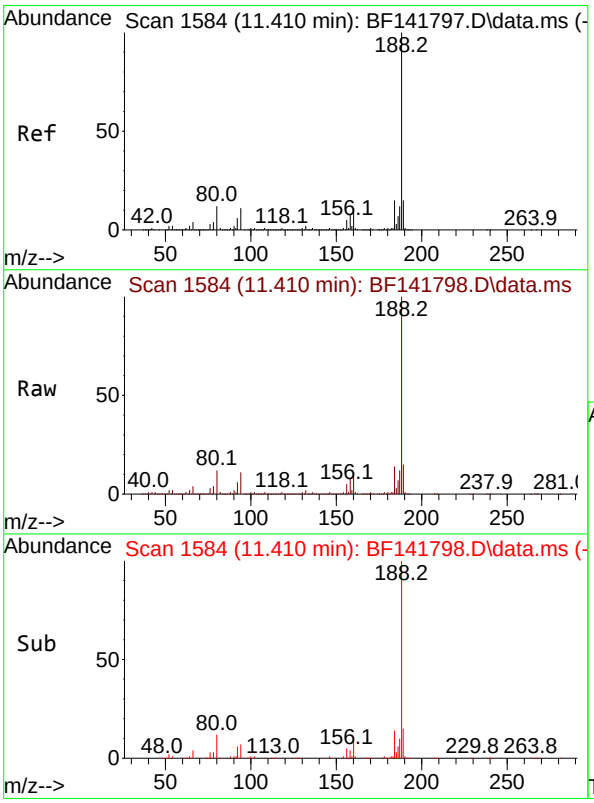
#63
Azobenzene
Concen: 46.687 ng
RT: 10.627 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 2087153

Ion	Ratio	Lower	Upper
77	100		
182	24.2	4.2	44.2
105	21.4	1.5	41.5
51	30.9	10.4	50.4

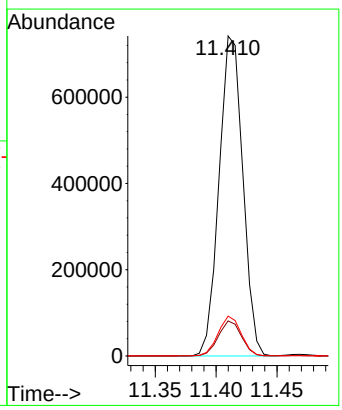


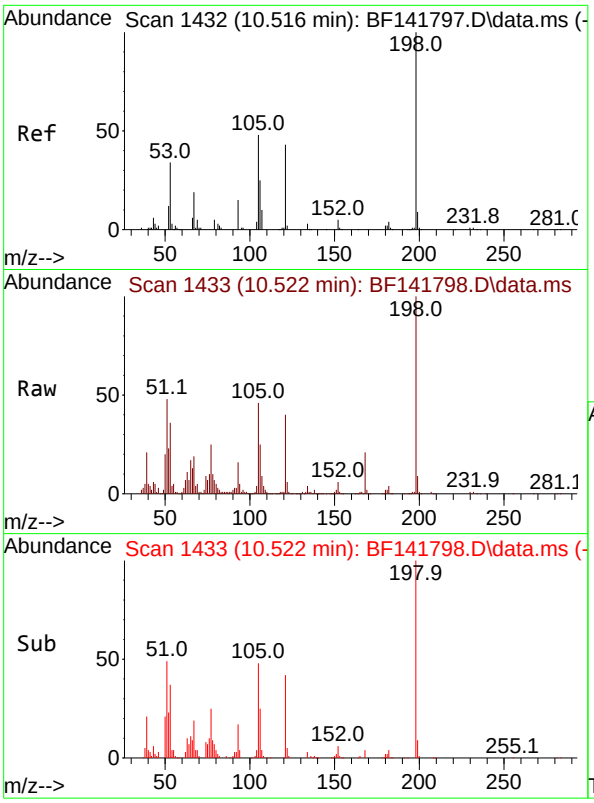


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:188 Resp: 1007266

Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.9	13.3
80	12.5	9.7	14.5



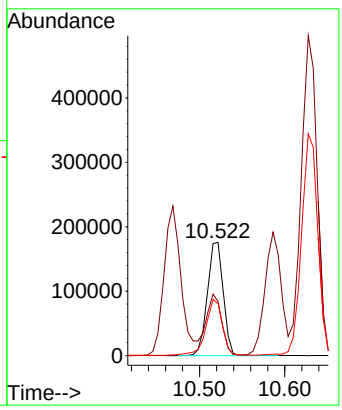


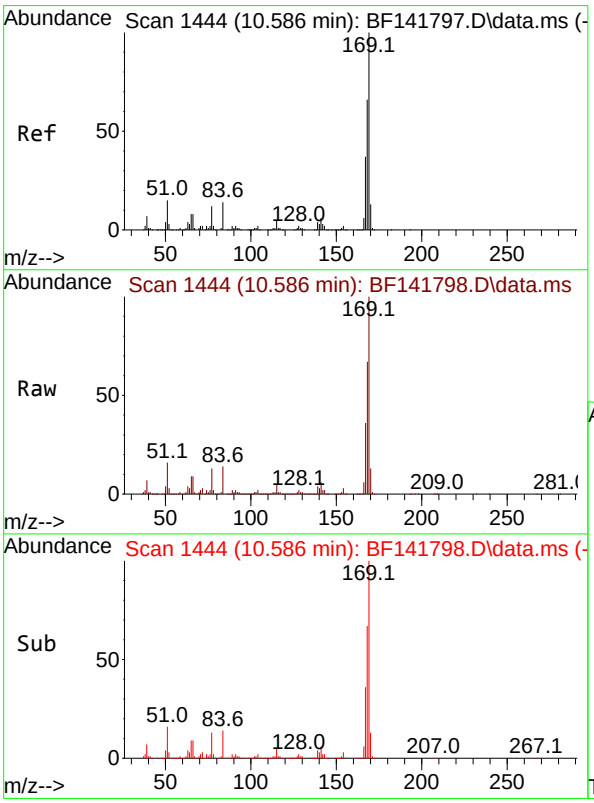
#65
4,6-Dinitro-2-methylphenol
Concen: 47.968 ng
RT: 10.522 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 227493

Ion	Ratio	Lower	Upper
198	100		
51	47.7	32.1	72.1
105	46.1	28.5	68.5

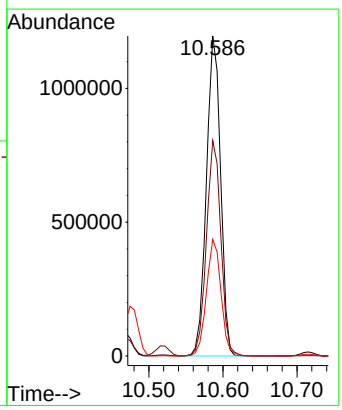


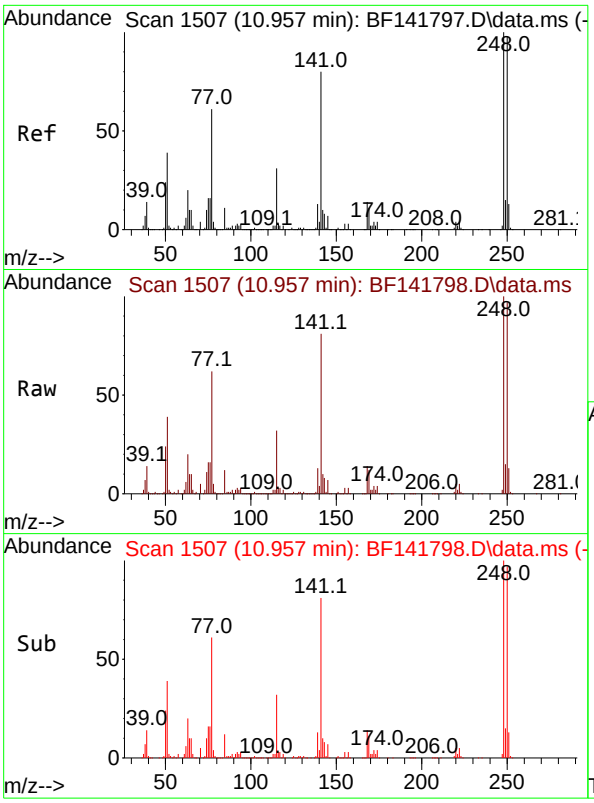


#66
n-Nitrosodiphenylamine
Concen: 48.041 ng
RT: 10.586 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:169 Resp: 1588976

Ion	Ratio	Lower	Upper
169	100		
168	67.3	53.0	79.6
167	36.4	29.3	43.9



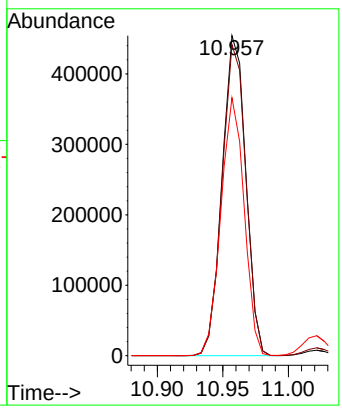


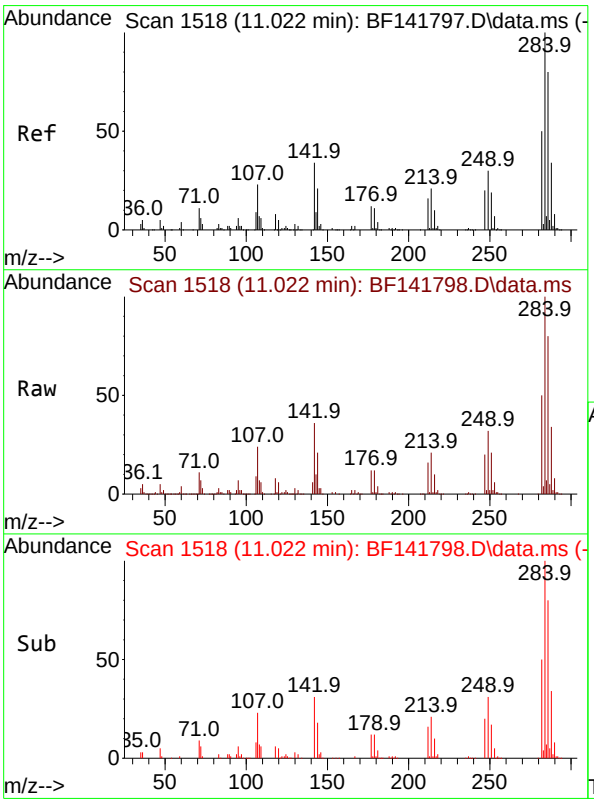
#67
4-Bromophenyl-phenylether
Concen: 48.631 ng
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 572161

Ion	Ratio	Lower	Upper
248	100		
250	97.2	78.1	117.1
141	80.6	64.3	96.5

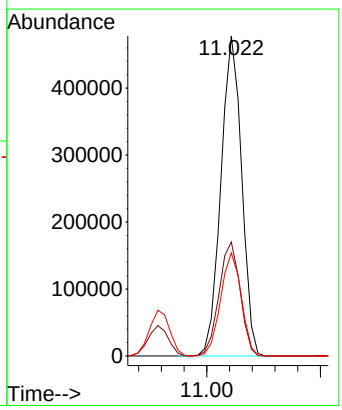


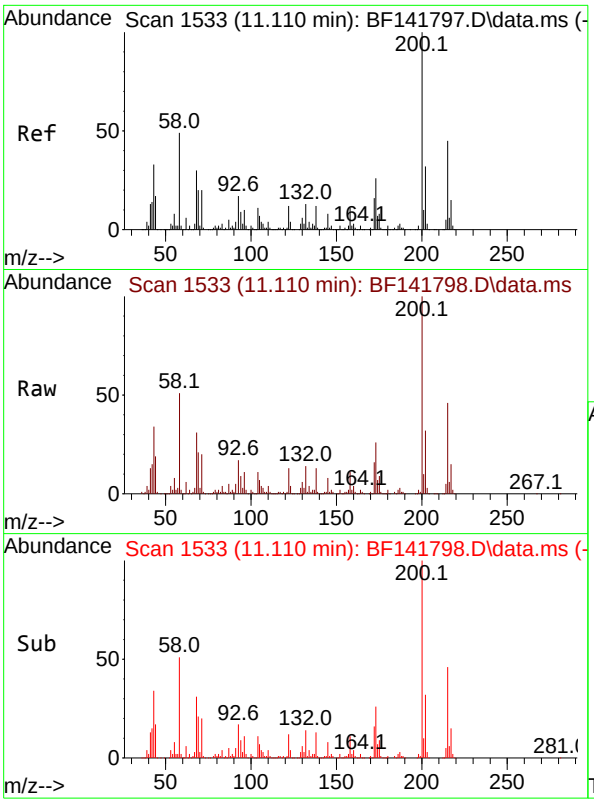


#68
Hexachlorobenzene
Concen: 48.705 ng
RT: 11.022 min Scan# 1518
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:284 Resp: 605103

Ion	Ratio	Lower	Upper
284	100		
142	35.6	28.2	42.2
249	32.2	25.5	38.3



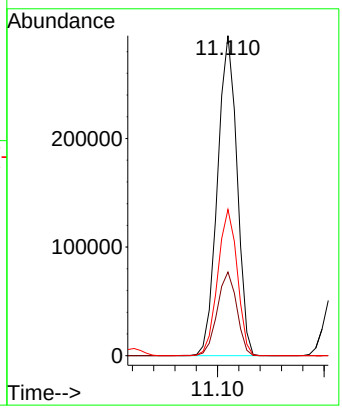


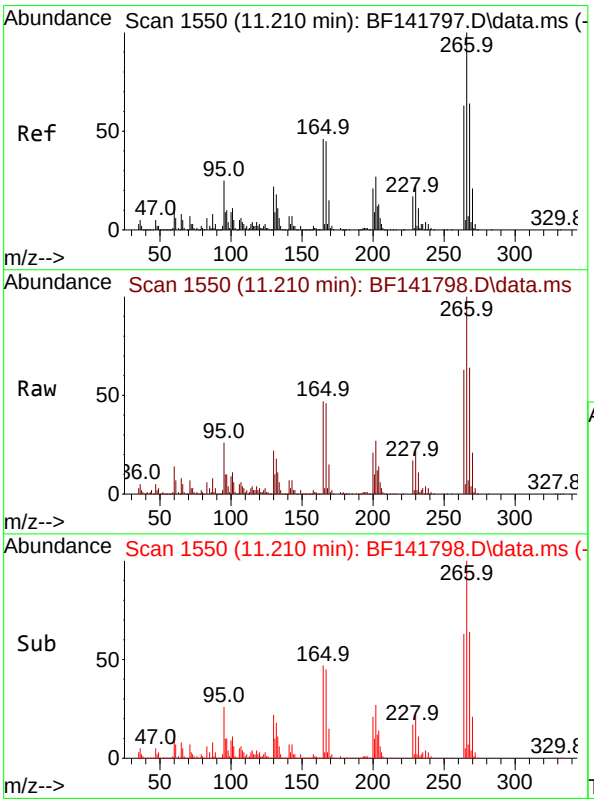
#69
Atrazine
Concen: 41.179 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 374540

Ion	Ratio	Lower	Upper
200	100		
173	26.2	5.6	45.6
215	45.7	25.3	65.3

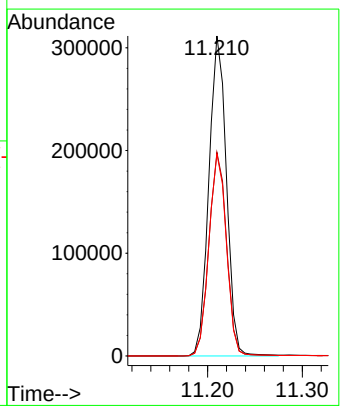


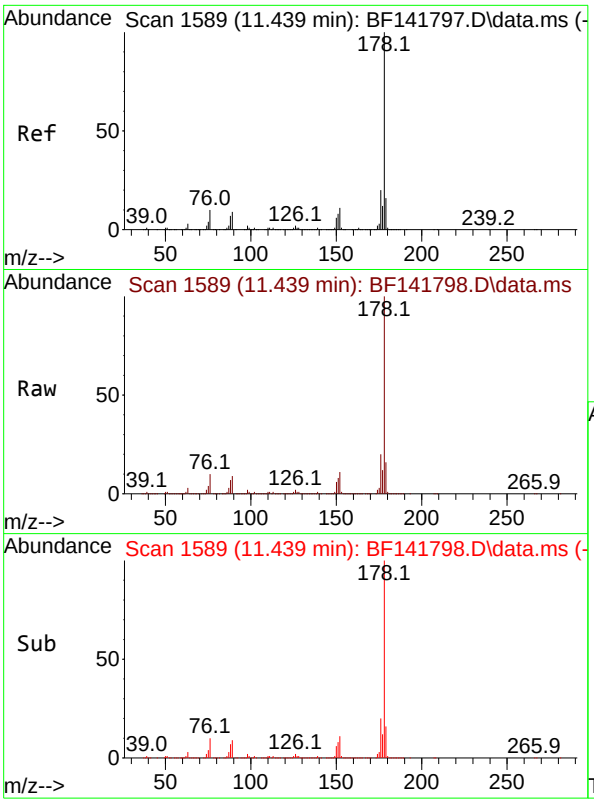


#70
Pentachlorophenol
Concen: 50.809 ng
RT: 11.210 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:266 Resp: 400352

Ion	Ratio	Lower	Upper
266	100		
268	63.6	50.9	76.3
264	63.2	50.2	75.4



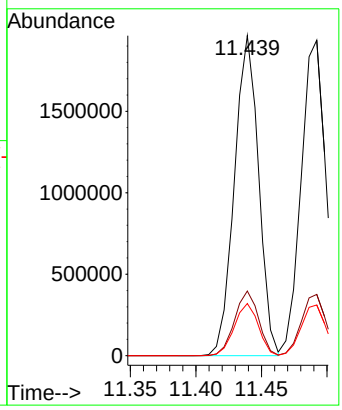


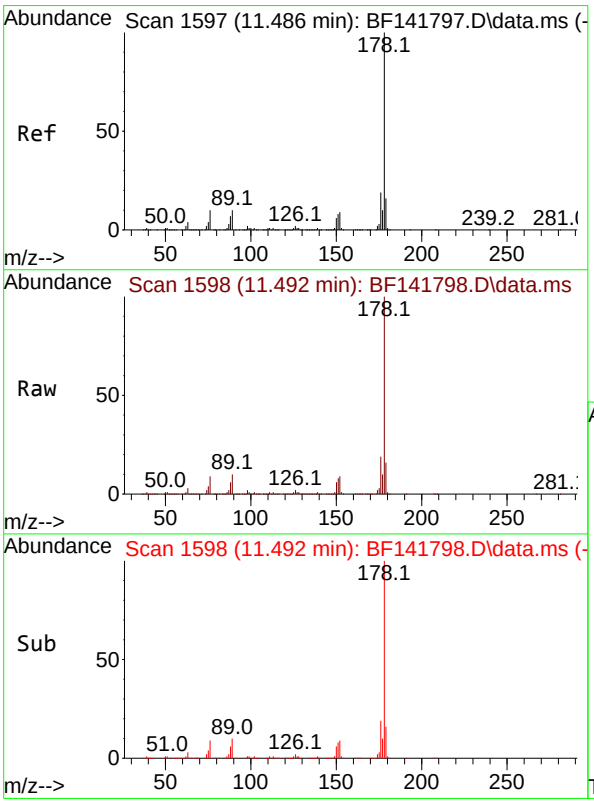
#71
Phenanthrene
Concen: 46.806 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 2521849

Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.0	24.0
179	16.3	12.6	19.0

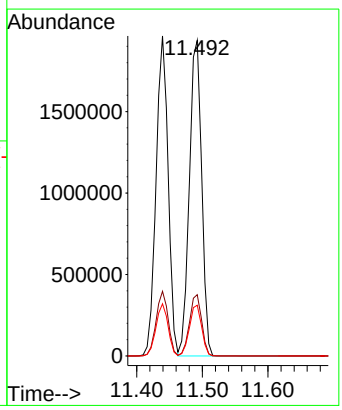


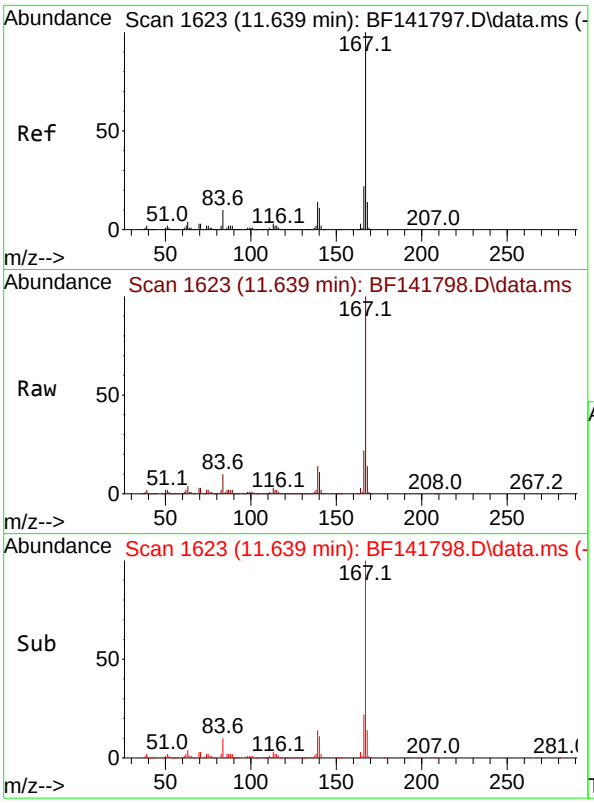


#72
Anthracene
Concen: 46.707 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:178 Resp: 2522132

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	16.1	12.8	19.2



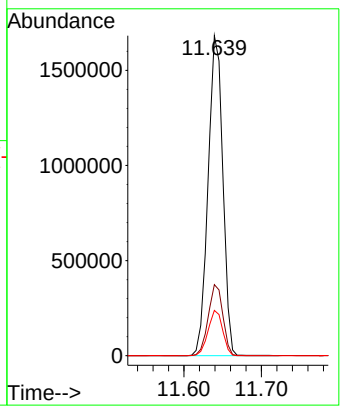


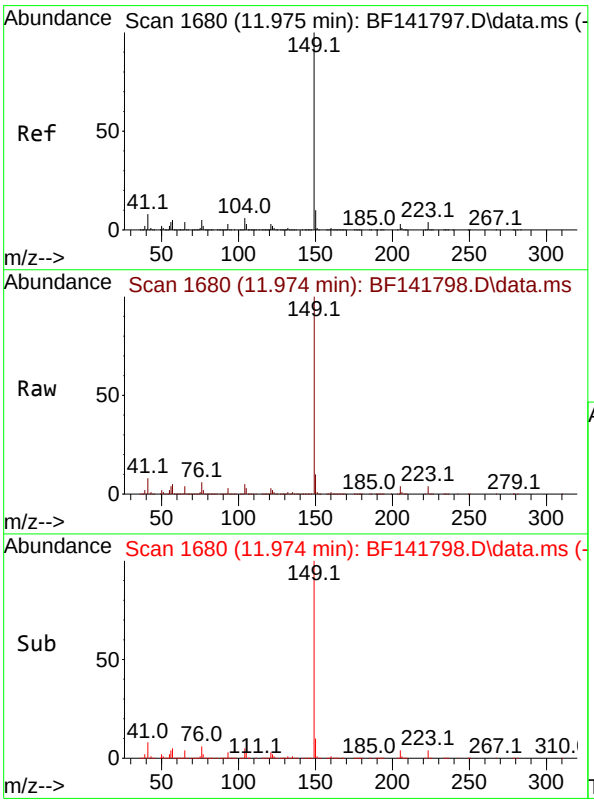
#73
Carbazole
Concen: 46.572 ng
RT: 11.639 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 2220778

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.5	26.3
139	14.2	11.3	16.9

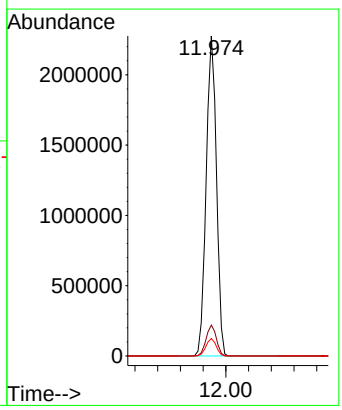


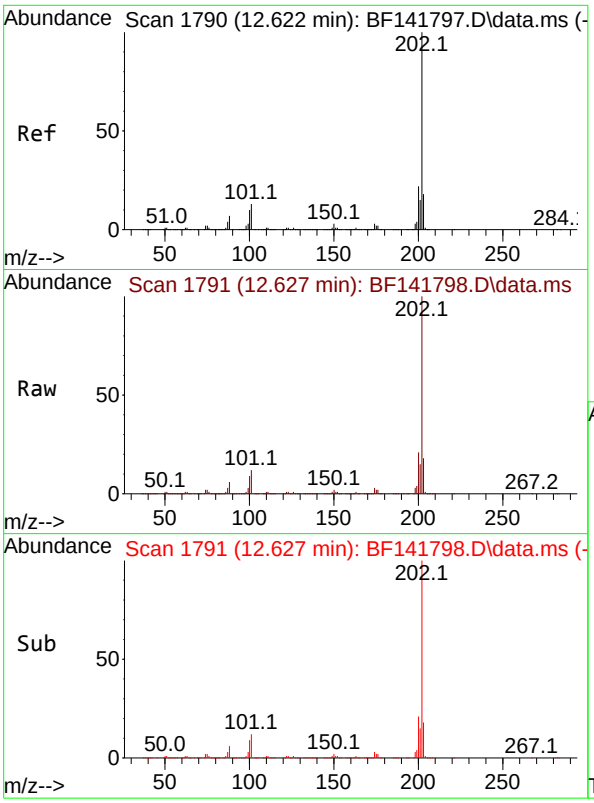


#74
Di-n-butylphthalate
Concen: 46.982 ng
RT: 11.974 min Scan# 1680
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:149 Resp: 2839813

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.7	11.5
104	5.5	4.4	6.6



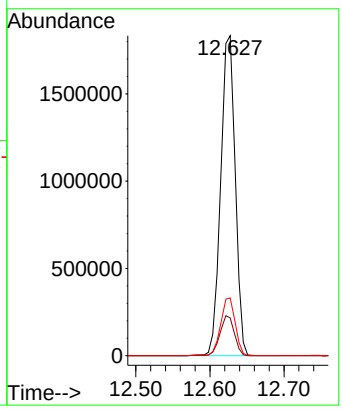


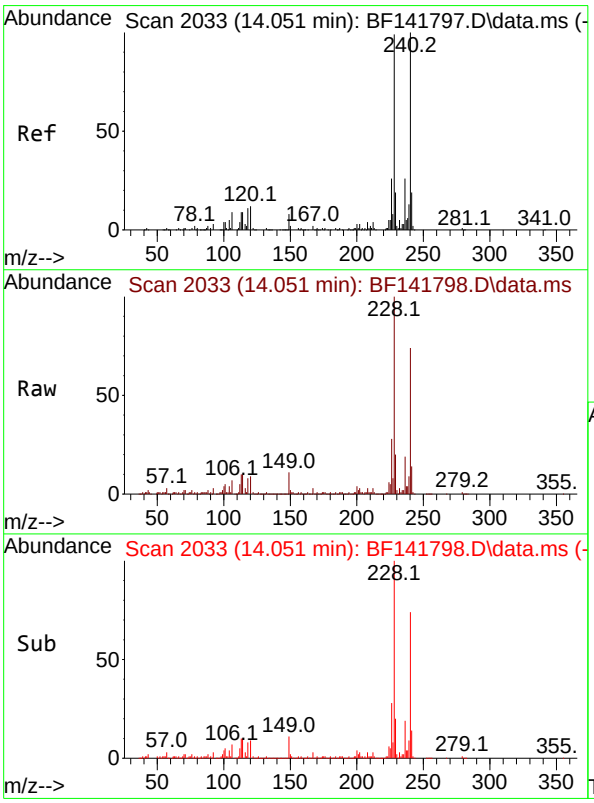
#75
Fluoranthene
Concen: 45.269 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 2499217

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	32.8
203	18.0	0.0	38.0

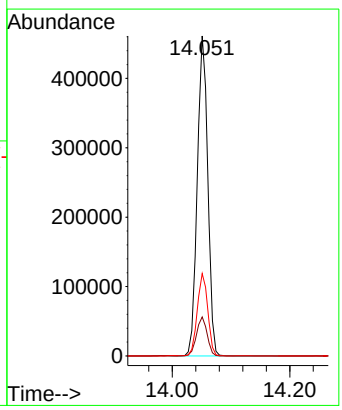


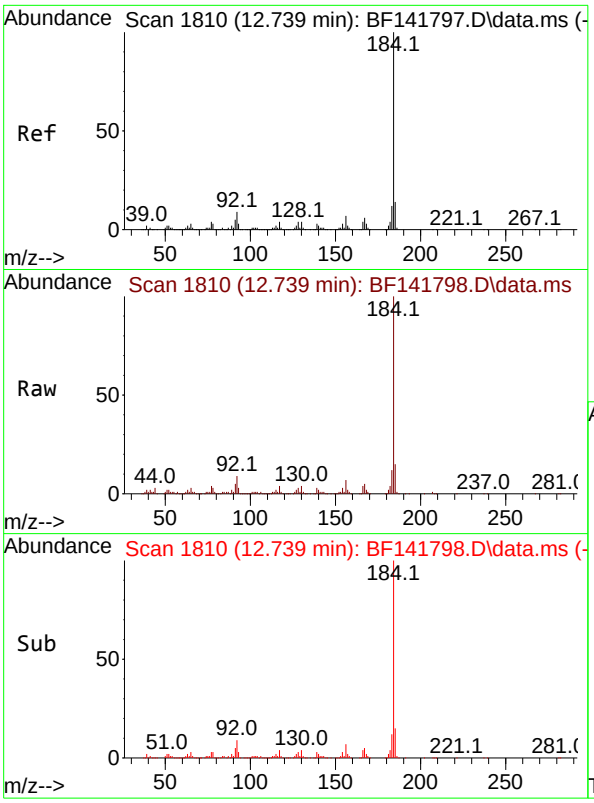


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:240 Resp: 571903

Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.7	14.5
236	25.8	21.0	31.4



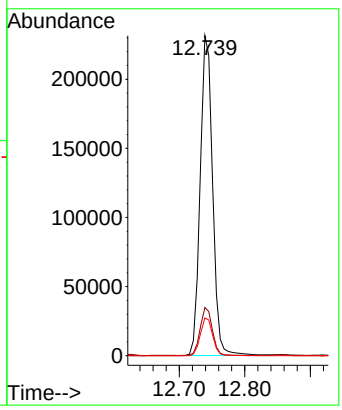


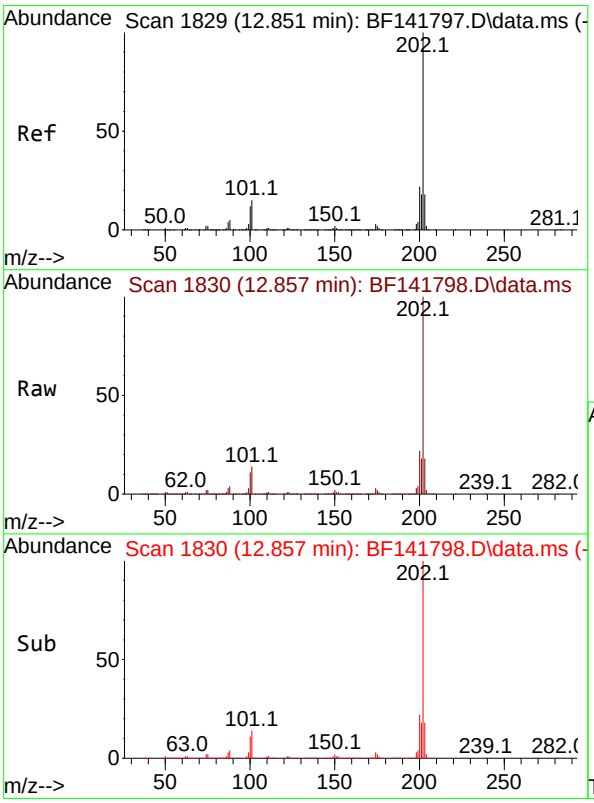
#77
Benzidine
Concen: 42.453 ng
RT: 12.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 305582

Ion	Ratio	Lower	Upper
184	100		
185	15.0	11.6	17.4
183	11.8	9.4	14.0

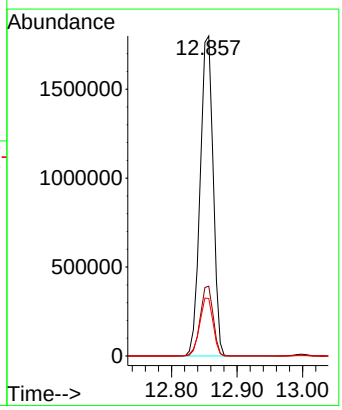


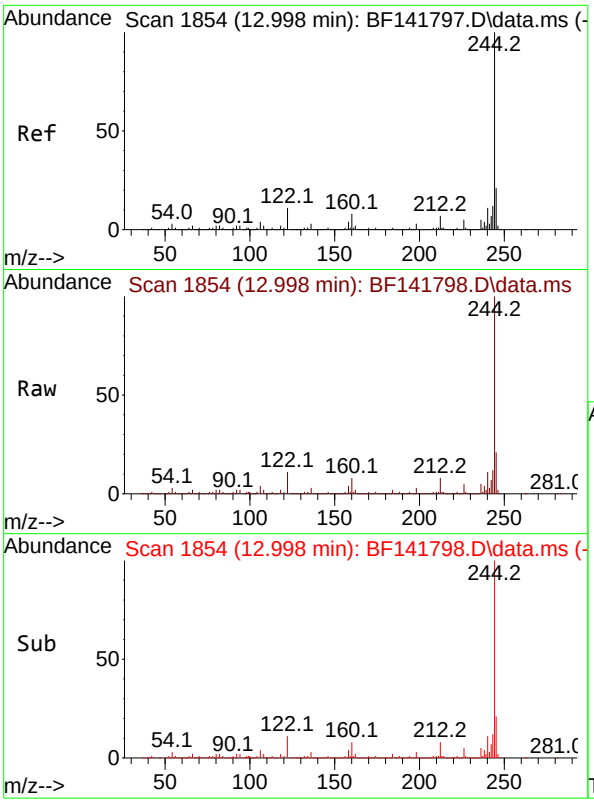


#78
Pyrene
Concen: 50.178 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:202 Resp: 2484995

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.0
203	18.0	14.6	22.0



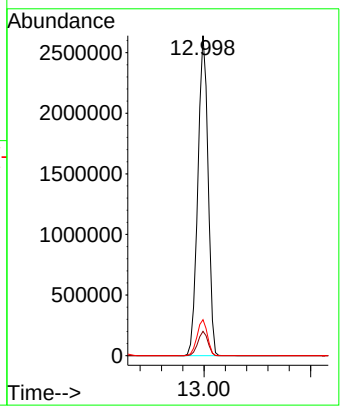


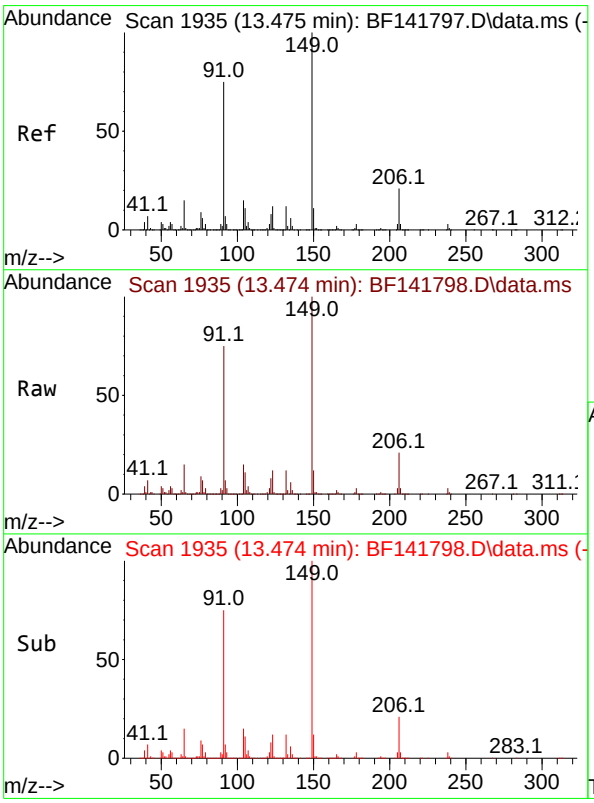
#79
Terphenyl-d14
Concen: 99.483 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 3516535

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	11.3	9.0	13.6

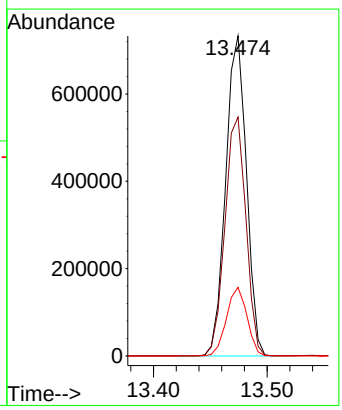


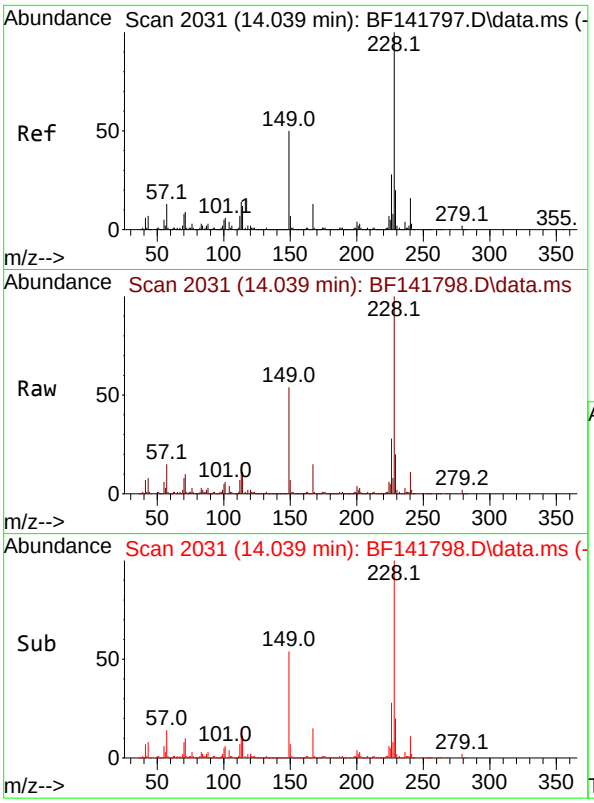


#80
Butylbenzylphthalate
Concen: 51.657 ng
RT: 13.474 min Scan# 1935
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:149 Resp: 929464

Ion	Ratio	Lower	Upper
149	100		
91	74.7	60.1	90.1
206	21.4	16.8	25.2



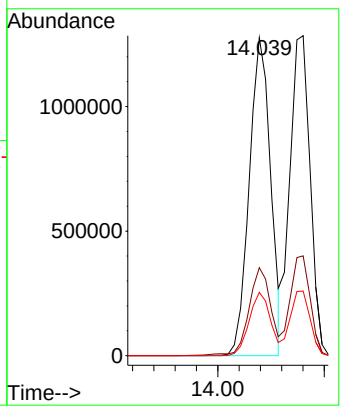


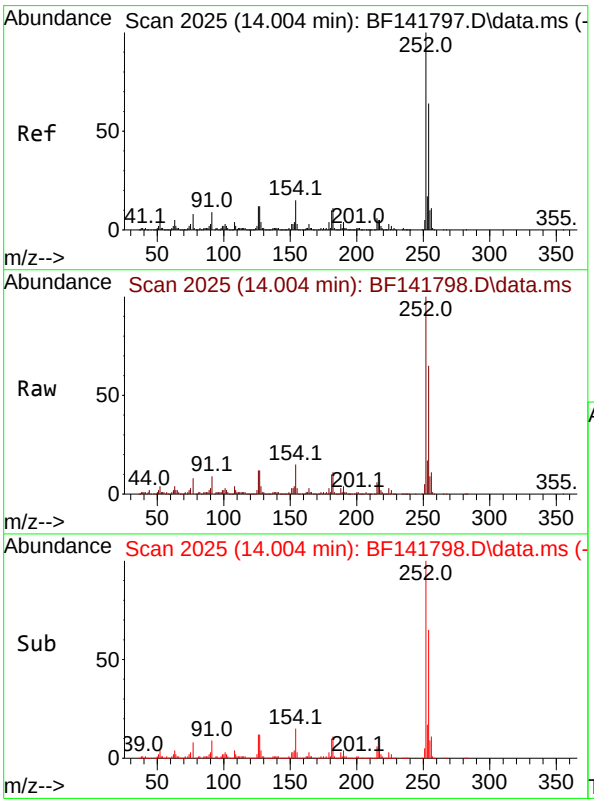
#81
Benzo(a)anthracene
Concen: 47.067 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 1777948

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.1	33.1
229	19.9	16.1	24.1

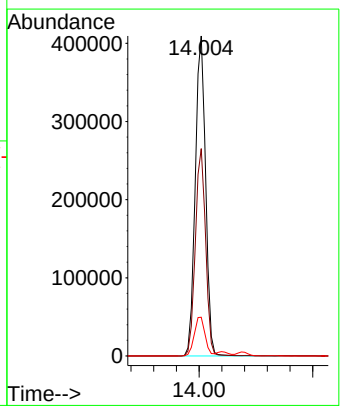


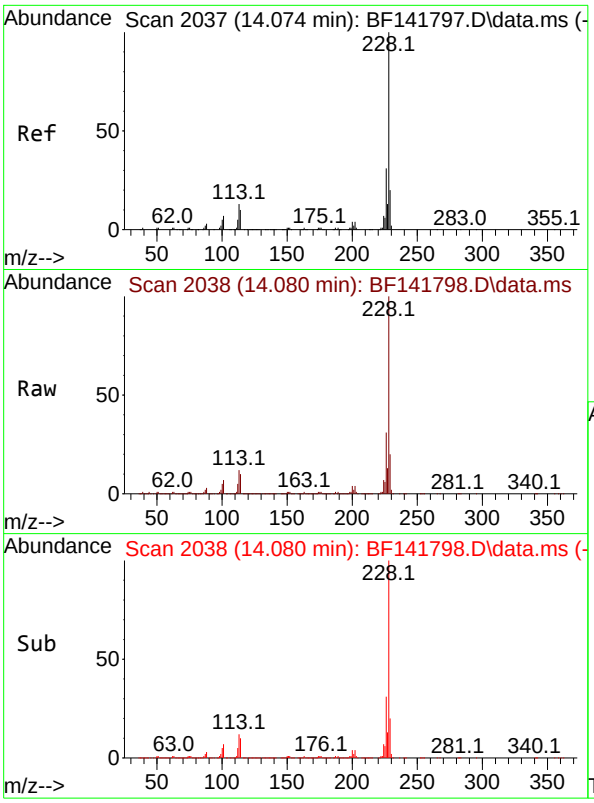


#82
3,3'-Dichlorobenzidine
Concen: 48.021 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:252 Resp: 520451

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.4	77.0
126	12.1	9.8	14.6



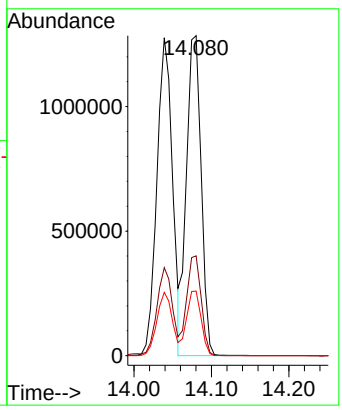


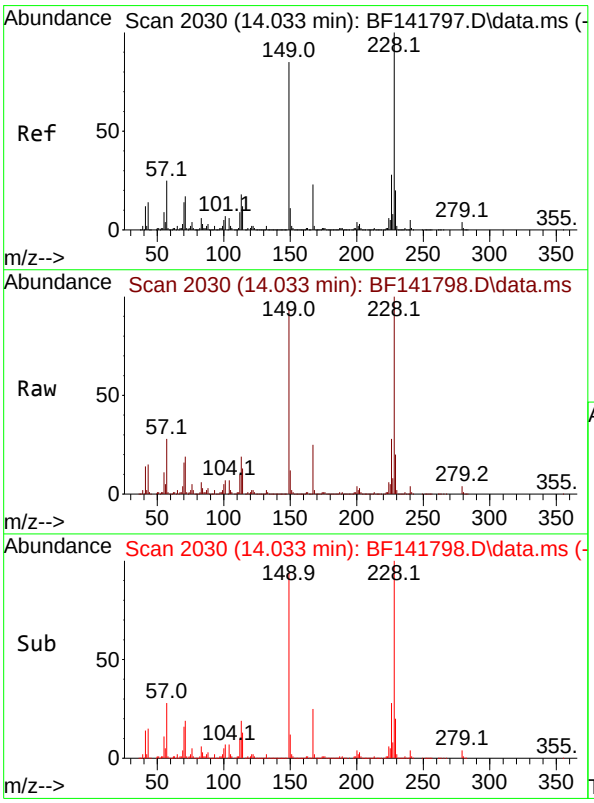
#83
Chrysene
Concen: 48.659 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 1694396

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.6	37.0
229	20.2	16.1	24.1

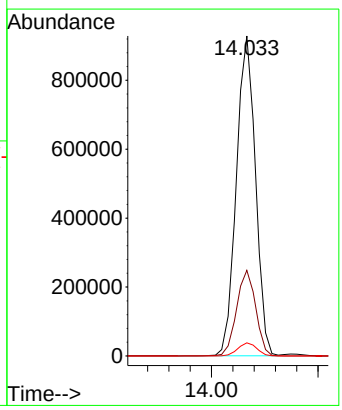


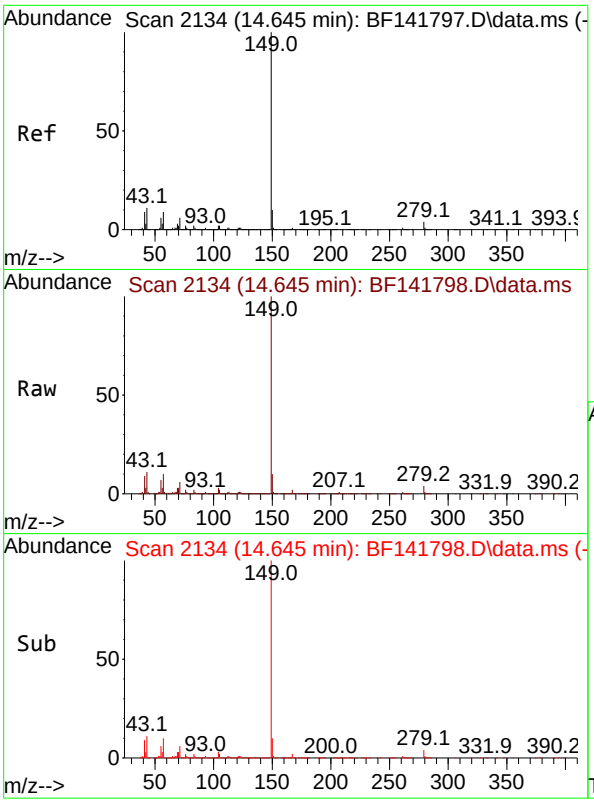


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.766 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:149 Resp: 1159761

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.2	31.8
279	4.1	3.3	4.9



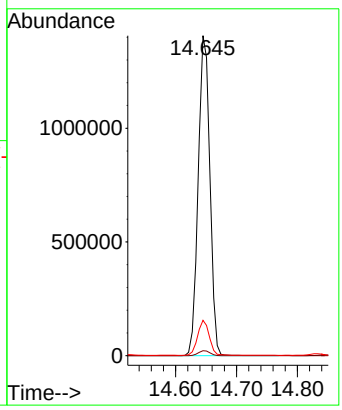


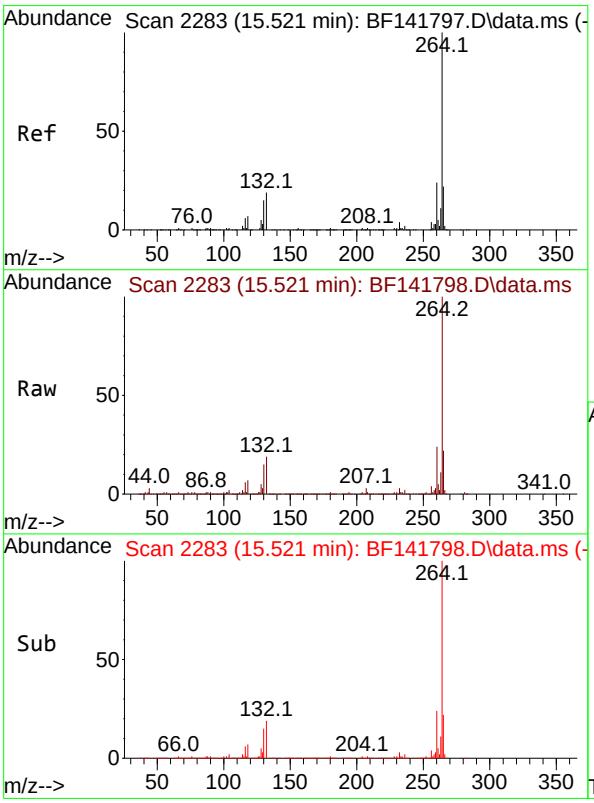
#85
Di-n-octyl phthalate
Concen: 55.606 ng
RT: 14.645 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 1865081

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	10.8	8.6	12.8

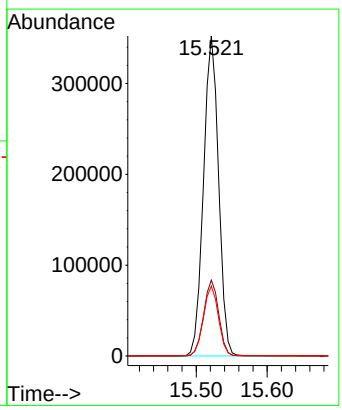


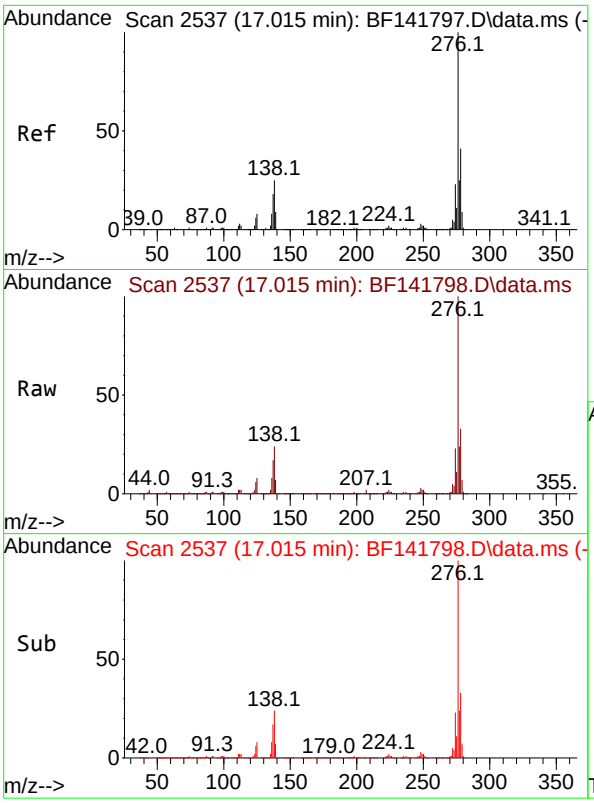


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:264 Resp: 520644

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	21.8	17.4	26.0



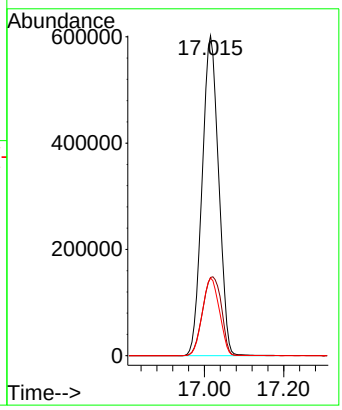


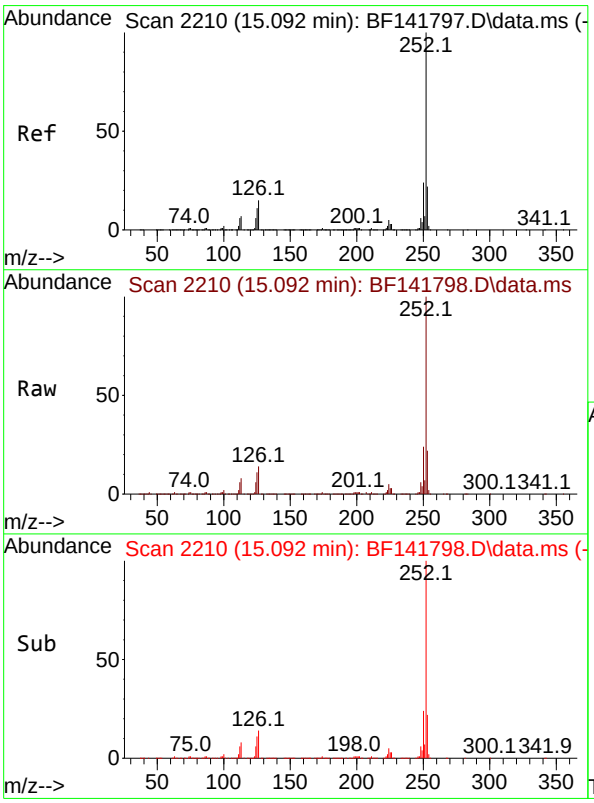
#87
Indeno(1,2,3-cd)pyrene
Concen: 52.510 ng
RT: 17.015 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 1740850

Ion	Ratio	Lower	Upper
276	100		
138	28.1	22.5	33.7
277	25.1	20.3	30.5

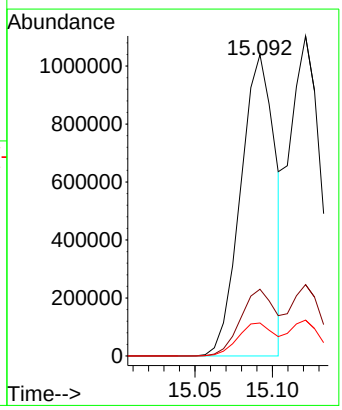


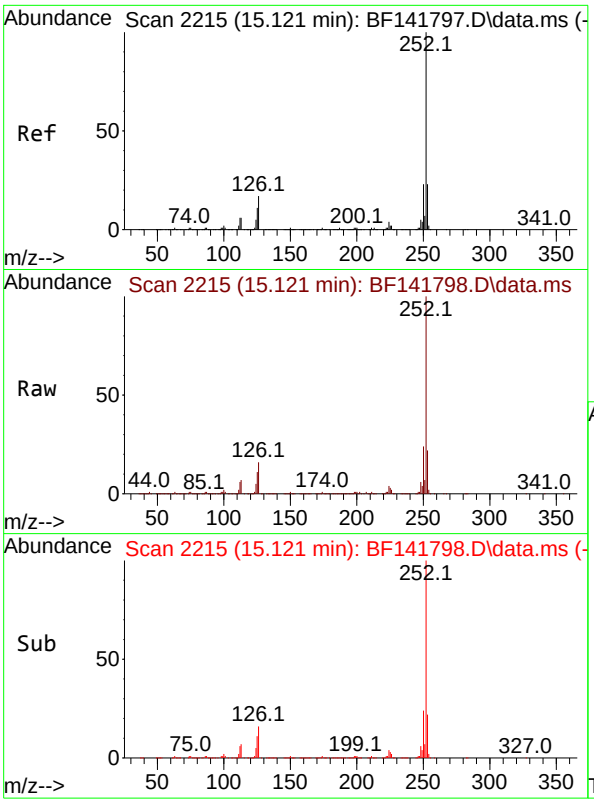


#88
Benzo(b)fluoranthene
Concen: 45.220 ng
RT: 15.092 min Scan# 2210
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:252 Resp: 1603729

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.0	8.6	13.0



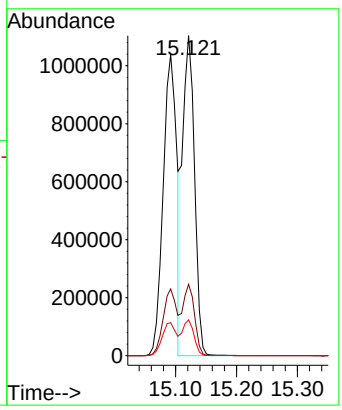


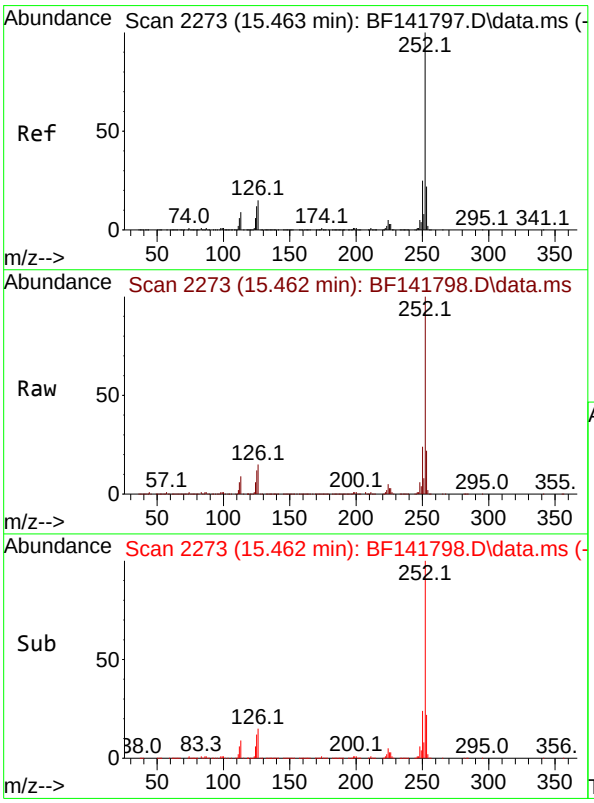
#89
Benzo(k)fluoranthene
Concen: 50.326 ng
RT: 15.121 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 1516995

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	11.2	8.8	13.2

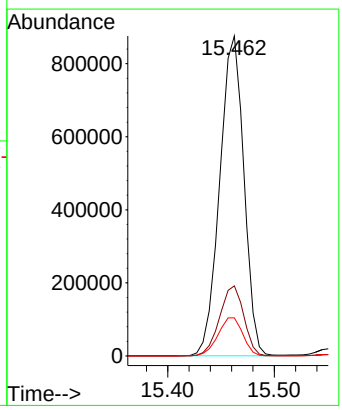


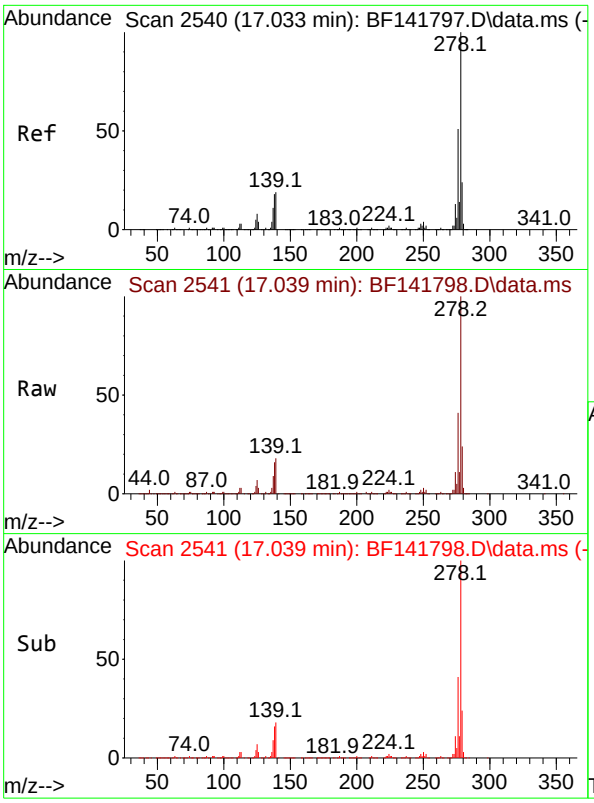


#90
Benzo(a)pyrene
Concen: 48.495 ng
RT: 15.462 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:252 Resp: 1379319

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	11.9	9.4	14.2



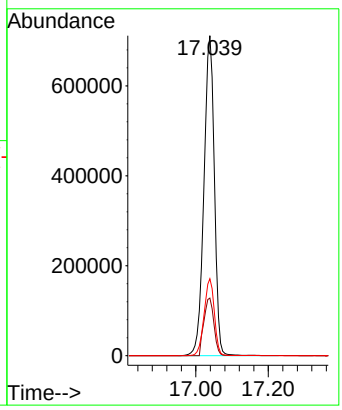


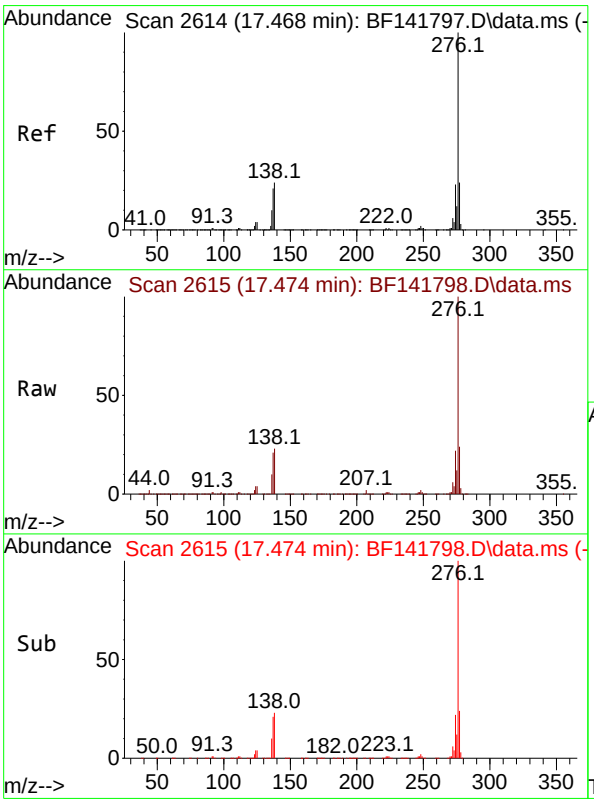
#91
Dibenzo(a,h)anthracene
Concen: 52.616 ng
RT: 17.039 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 1423862

Ion	Ratio	Lower	Upper
278	100		
139	18.0	14.9	22.3
279	24.1	19.3	28.9

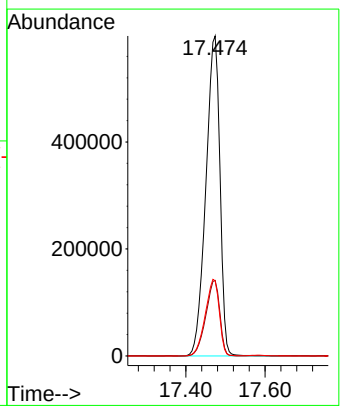




#92
Benzo(g,h,i)perylene
Concen: 53.005 ng
RT: 17.474 min Scan# 2615
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:276 Resp: 1469480

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.4	29.0
138	23.5	19.3	28.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141799.D
Acq On : 27 Feb 2025 18:15
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Feb 28 01:27:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	297770	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	1163023	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	617087	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	999271	20.000	ng	0.00
76) Chrysene-d12	14.051	240	562939	20.000	ng	0.00
86) Perylene-d12	15.521	264	517191	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	2100577	112.657	ng	0.00
7) Phenol-d6	6.516	99	2720970	112.117	ng	0.00
23) Nitrobenzene-d5	7.457	82	2374498	130.503	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	725271	125.191	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	4223426	109.742	ng	0.00
79) Terphenyl-d14	12.998	244	4143891	119.098	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.681	88	494559	58.455	ng	99
3) Pyridine	3.451	79	1241030	58.955	ng	99
4) n-Nitrosodimethylamine	3.410	42	612676	60.489	ng	98
6) Aniline	6.557	93	1451456	57.840	ng	99
8) 2-Chlorophenol	6.681	128	1130771	56.061	ng	99
9) Benzaldehyde	6.445	77	736273	52.156	ng	99
10) Phenol	6.534	94	1451317	56.130	ng	97
11) bis(2-Chloroethyl)ether	6.634	93	1130421	57.184	ng	98
12) 1,3-Dichlorobenzene	6.834	146	1215544	56.273	ng	99
13) 1,4-Dichlorobenzene	6.910	146	1230489	56.536	ng	99
14) 1,2-Dichlorobenzene	7.063	146	1134751	55.834	ng	100
15) Benzyl Alcohol	7.034	79	1108848	57.170	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.169	45	1706347	56.838	ng	99
17) 2-Methylphenol	7.134	107	968603	58.177	ng	99
18) Hexachloroethane	7.404	117	473809	58.163	ng	99
19) n-Nitroso-di-n-propyla...	7.316	70	899573	56.387	ng	99
20) 3+4-Methylphenols	7.292	107	1144144	55.188	ng	95
22) Acetophenone	7.304	105	1588210	56.070	ng	99
24) Nitrobenzene	7.475	77	1244392	63.867	ng	98
25) Isophorone	7.716	82	2297900	58.786	ng	100
26) 2-Nitrophenol	7.786	139	540018	60.712	ng	98
27) 2,4-Dimethylphenol	7.822	122	832135	57.912	ng	100
28) bis(2-Chloroethoxy)met...	7.922	93	1423641	57.094	ng	100
29) 2,4-Dichlorophenol	8.028	162	981508	59.211	ng	100
30) 1,2,4-Trichlorobenzene	8.116	180	1051434	57.885	ng	100
31) Naphthalene	8.198	128	3313144	55.427	ng	99
32) Benzoic acid	7.957	122	749284	60.158	ng	99
33) 4-Chloroaniline	8.245	127	1243216	56.723	ng	100
34) Hexachlorobutadiene	8.310	225	666891	59.082	ng	99
35) Caprolactam	8.628	113	309453	60.671	ng	98
36) 4-Chloro-3-methylphenol	8.716	107	1082457	58.783	ng	99
37) 2-Methylnaphthalene	8.886	142	2160902	55.115	ng	100
38) 1-Methylnaphthalene	8.986	142	2071154	55.054	ng	99
40) 1,2,4,5-Tetrachloroben...	9.051	216	1024373	57.477	ng	99
41) Hexachlorocyclopentadiene	9.039	237	458054	61.586	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	681760	59.220	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141799.D
Acq On : 27 Feb 2025 18:15
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Feb 28 01:27:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

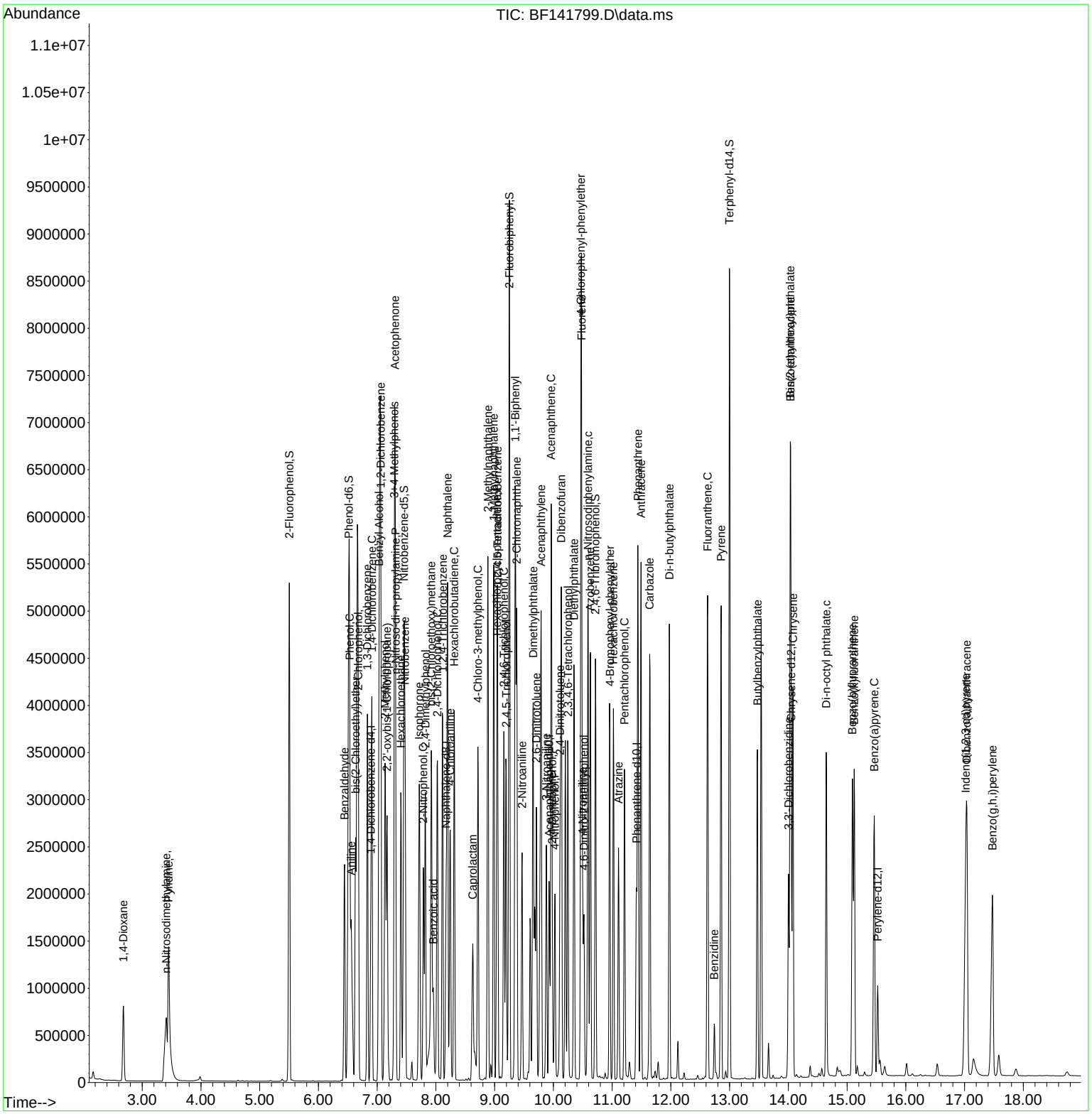
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	703662	61.725	ng		99
46) 1,1'-Biphenyl	9.351	154	2626139	55.911	ng		99
47) 2-Chloronaphthalene	9.375	162	1982513	57.187	ng		99
48) 2-Nitroaniline	9.469	65	590092	60.902	ng		98
49) Acenaphthylene	9.792	152	2954653	56.845	ng		100
50) Dimethylphthalate	9.657	163	2379542	57.581	ng		100
51) 2,6-Dinitrotoluene	9.710	165	491402	61.325	ng		98
52) Acenaphthene	9.963	154	2006502	57.211	ng		99
53) 3-Nitroaniline	9.880	138	521575	61.078	ng		99
54) 2,4-Dinitrophenol	9.980	184	207307	62.312	ng	#	13
55) Dibenzofuran	10.133	168	2854091	55.911	ng		99
56) 4-Nitrophenol	10.028	139	424581	69.564	ng		100
57) 2,4-Dinitrotoluene	10.116	165	601539	61.246	ng		99
58) Fluorene	10.480	166	2099887	54.917	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	596455	60.159	ng		99
60) Diethylphthalate	10.351	149	2360216	56.972	ng		100
61) 4-Chlorophenyl-phenyle...	10.469	204	1079059	56.324	ng		98
62) 4-Nitroaniline	10.498	138	490806	69.546	ng		99
63) Azobenzene	10.627	77	2453259	56.242	ng		99
65) 4,6-Dinitro-2-methylph...	10.522	198	300954	61.255	ng		99
66) n-Nitrosodiphenylamine	10.592	169	1867463	56.913	ng		98
67) 4-Bromophenyl-phenylether	10.963	248	688777	59.012	ng		97
68) Hexachlorobenzene	11.022	284	726507	58.945	ng		98
69) Atrazine	11.110	200	416878	46.200	ng		100
70) Pentachlorophenol	11.210	266	492228	62.968	ng		99
71) Phenanthrene	11.439	178	3002094	56.165	ng		99
72) Anthracene	11.492	178	2966353	55.373	ng		99
73) Carbazole	11.639	167	2612132	55.217	ng		99
74) Di-n-butylphthalate	11.974	149	3338525	55.675	ng		99
75) Fluoranthene	12.627	202	2940034	53.680	ng		99
77) Benzidine	12.739	184	306135	43.207	ng		99
78) Pyrene	12.857	202	2927964	60.064	ng		100
80) Butylbenzylphthalate	13.474	149	1126511	63.605	ng		100
81) Benzo(a)anthracene	14.039	228	2130928	57.309	ng		99
82) 3,3'-Dichlorobenzidine	14.004	252	614898	57.639	ng		100
83) Chrysene	14.080	228	2040957	59.545	ng		99
84) Bis(2-ethylhexyl)phtha...	14.033	149	1398602	63.421	ng		99
85) Di-n-octyl phthalate	14.645	149	2225625	67.411	ng		99
87) Indeno(1,2,3-cd)pyrene	17.021	276	2127125	64.589	ng		100
88) Benzo(b)fluoranthene	15.092	252	2126076	60.349	ng		99
89) Benzo(k)fluoranthene	15.121	252	1614240	53.909	ng		100
90) Benzo(a)pyrene	15.462	252	1676196	59.327	ng		99
91) Dibenzo(a,h)anthracene	17.039	278	1708189	63.544	ng		100
92) Benzo(g,h,i)perylene	17.474	276	1792957	65.105	ng		99

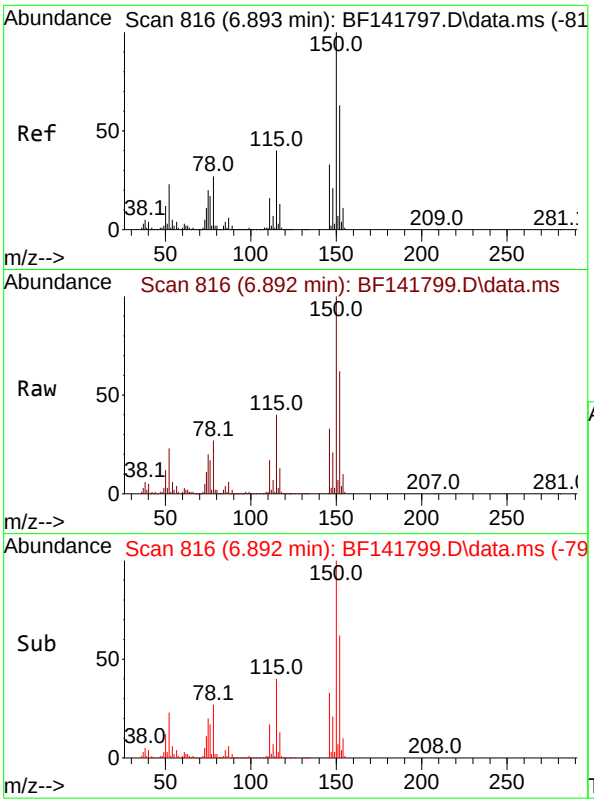
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141799.D
Acq On : 27 Feb 2025 18:15
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Feb 28 01:27:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration



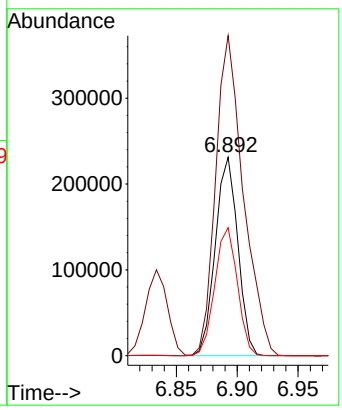


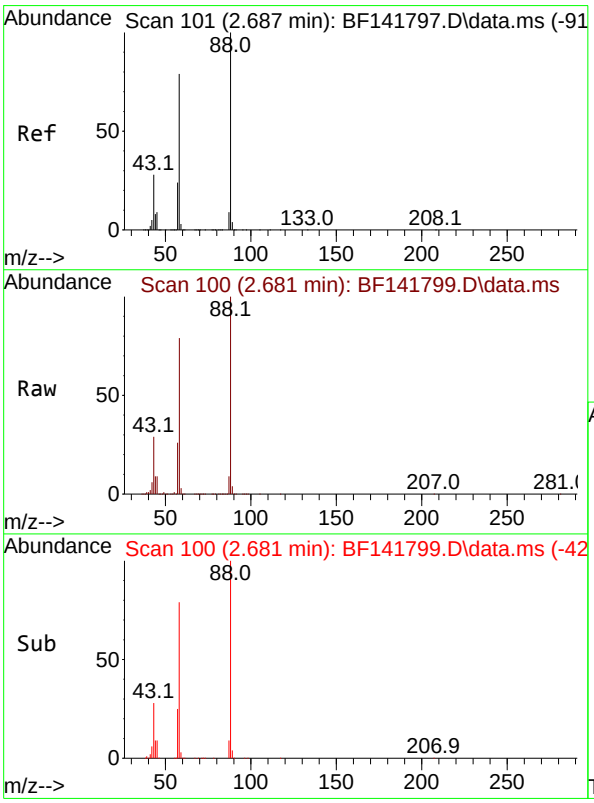
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 297770

Ion	Ratio	Lower	Upper
152	100		
150	161.3	127.5	191.3
115	64.5	51.4	77.2

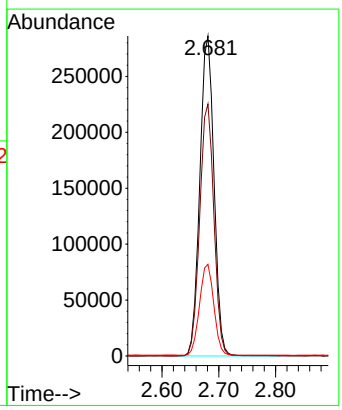


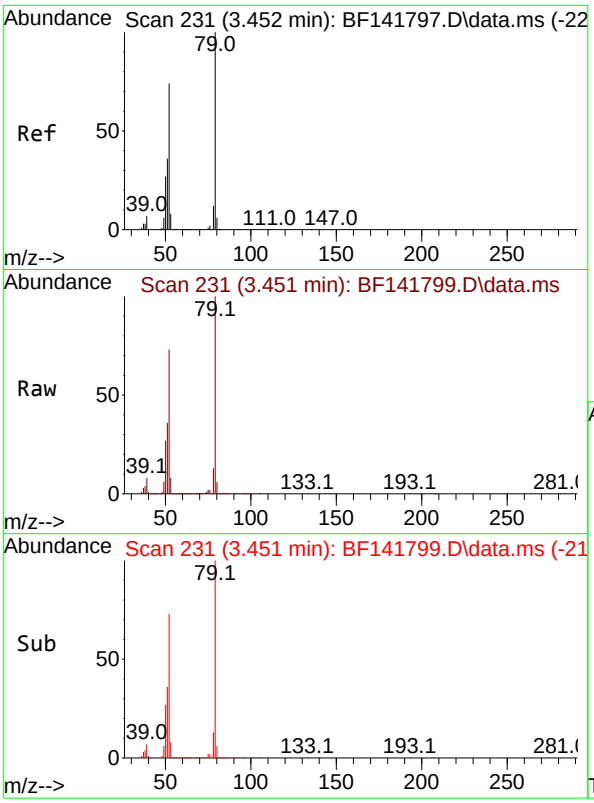


#2
1,4-Dioxane
Concen: 58.455 ng
RT: 2.681 min Scan# 100
Delta R.T. -0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion: 88 Resp: 494559

Ion	Ratio	Lower	Upper
88	100		
58	79.2	63.9	95.9
43	28.6	23.0	34.6



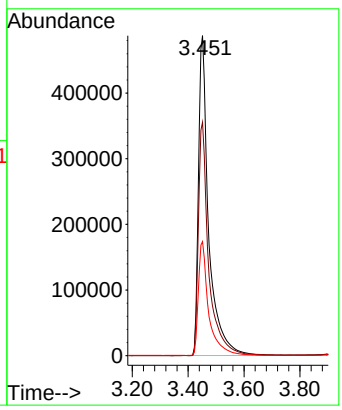


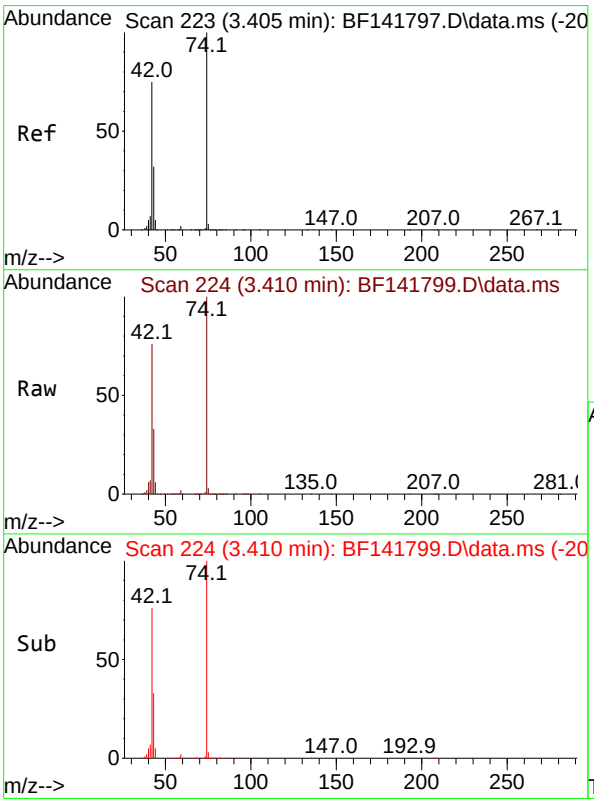
#3
Pyridine
Concen: 58.955 ng
RT: 3.451 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 1241030

Ion	Ratio	Lower	Upper
79	100		
52	73.0	59.0	88.4
51	35.6	29.0	43.4

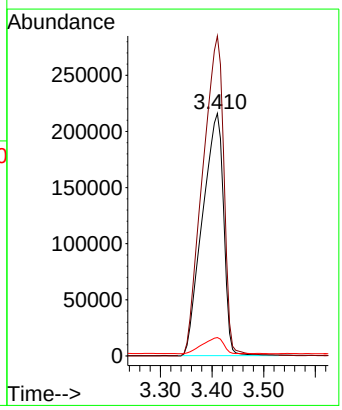


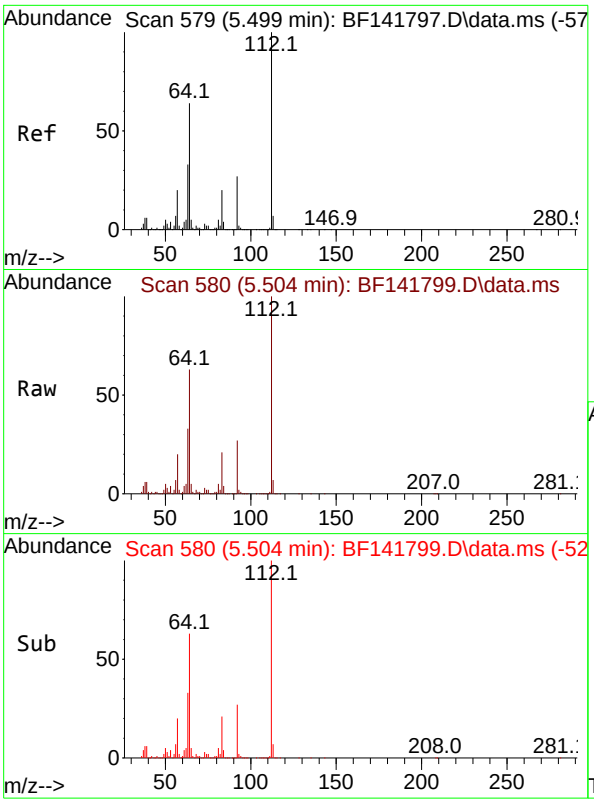


#4
n-Nitrosodimethylamine
Concen: 60.489 ng
RT: 3.410 min Scan# 224
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion: 42 Resp: 612676

Ion	Ratio	Lower	Upper
42	100		
74	131.9	107.1	160.7
44	7.6	6.6	9.8



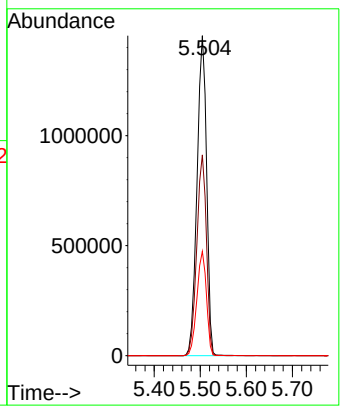


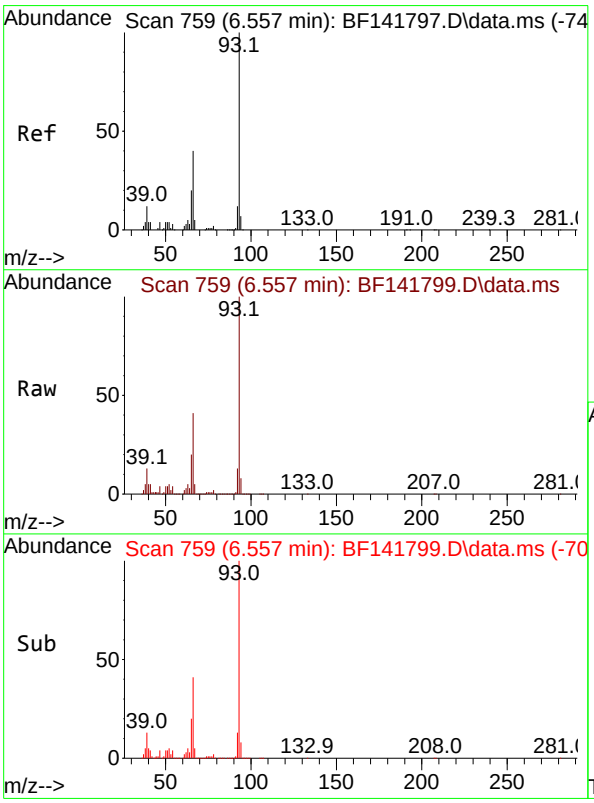
#5
2-Fluorophenol
Concen: 112.657 ng
RT: 5.504 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 2100577

Ion	Ratio	Lower	Upper
112	100		
64	62.8	51.3	76.9
63	32.6	26.2	39.4

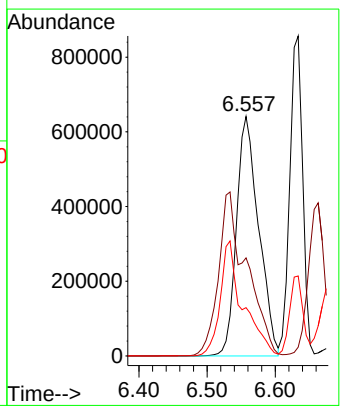


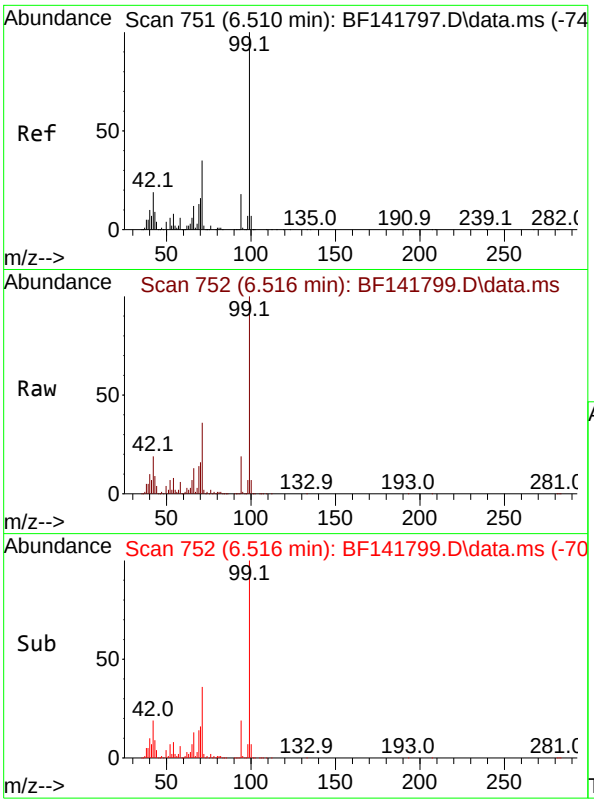


#6
Aniline
Concen: 57.840 ng
RT: 6.557 min Scan# 759
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion: 93 Resp: 1451456

Ion	Ratio	Lower	Upper
93	100		
66	41.0	32.3	48.5
65	20.2	15.9	23.9



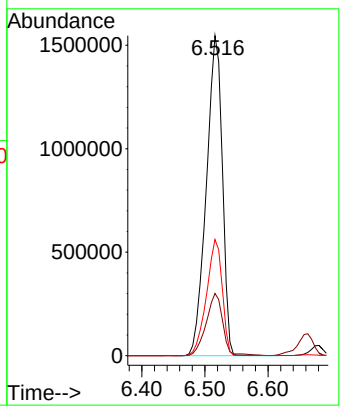


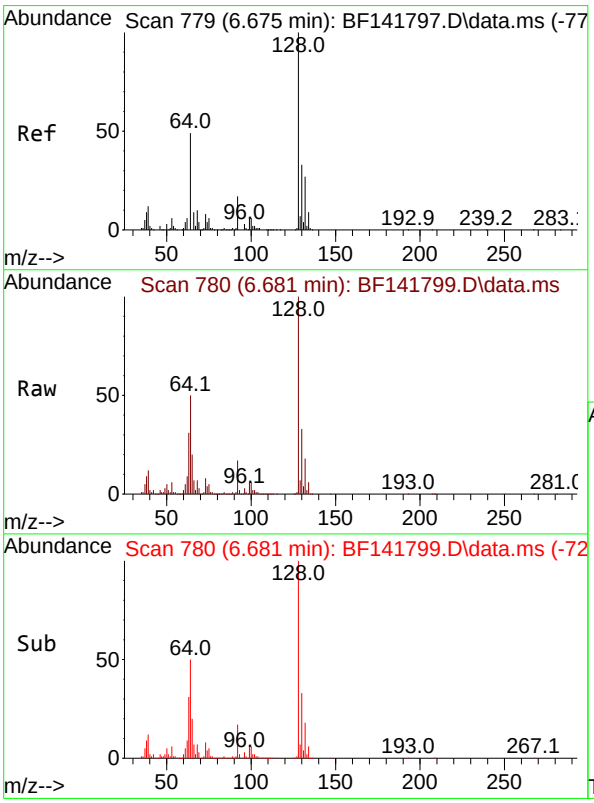
#7
Phenol-d6
Concen: 112.117 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 2720970

Ion	Ratio	Lower	Upper
99	100		
42	19.5	15.2	22.8
71	36.3	28.2	42.2

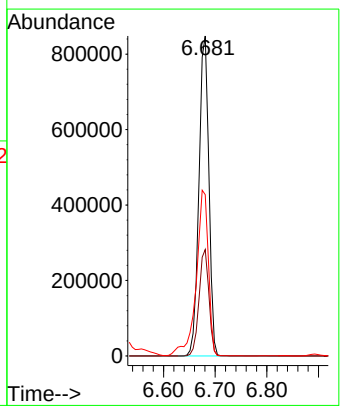


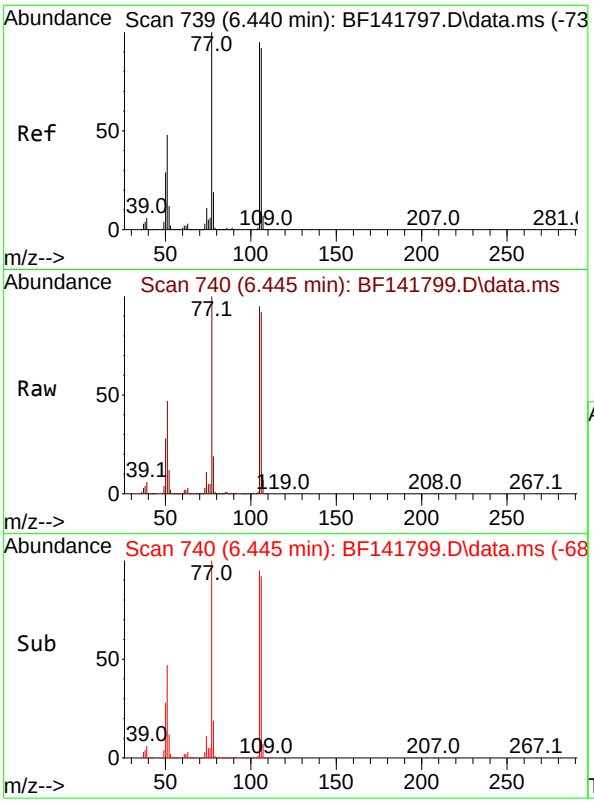


#8
2-Chlorophenol
Concen: 56.061 ng
RT: 6.681 min Scan# 780
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:128 Resp: 1130771

Ion	Ratio	Lower	Upper
128	100		
130	33.3	12.6	52.6
64	50.4	31.1	71.1



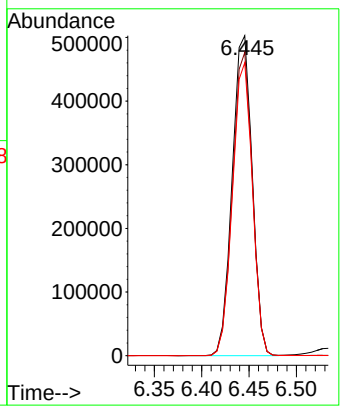


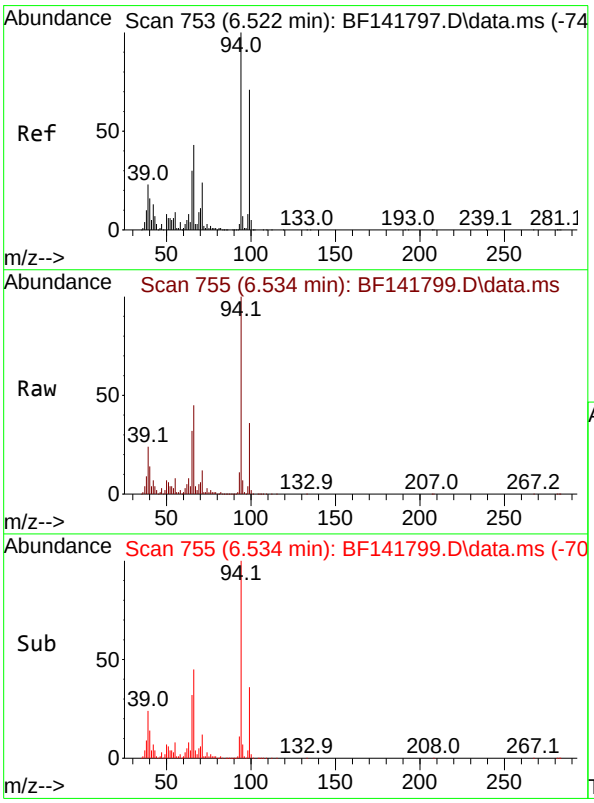
#9
Benzaldehyde
Concen: 52.156 ng
RT: 6.445 min Scan# 74
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 736273

Ion	Ratio	Lower	Upper
77	100		
105	94.7	75.3	115.3
106	91.6	72.3	112.3

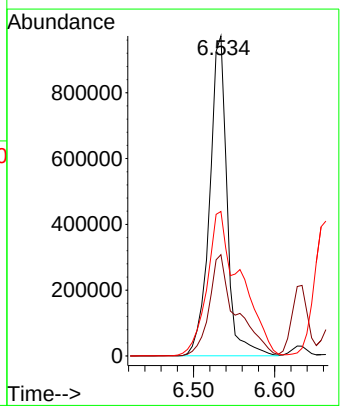


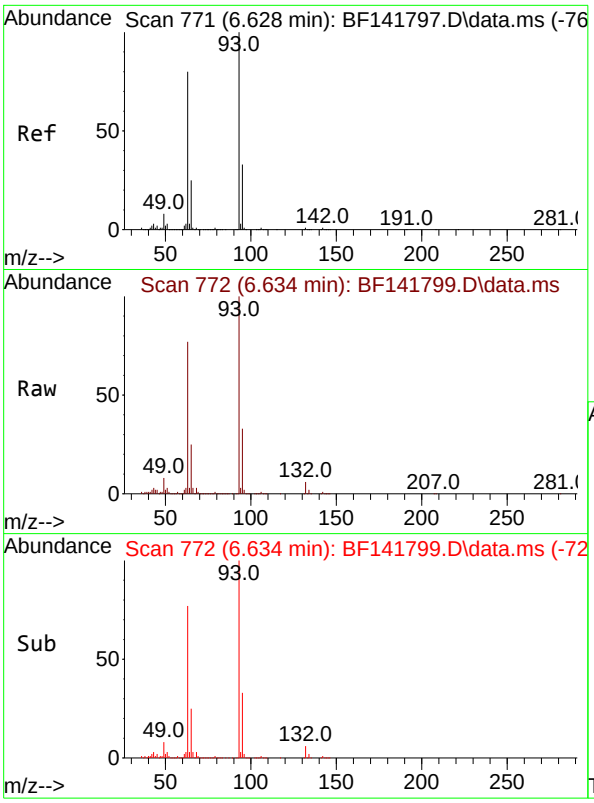


#10
Phenol
Concen: 56.130 ng
RT: 6.534 min Scan# 755
Delta R.T. 0.012 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion: 94 Resp: 1451317

Ion	Ratio	Lower	Upper
94	100		
65	31.7	10.2	50.2
66	45.1	23.2	63.2



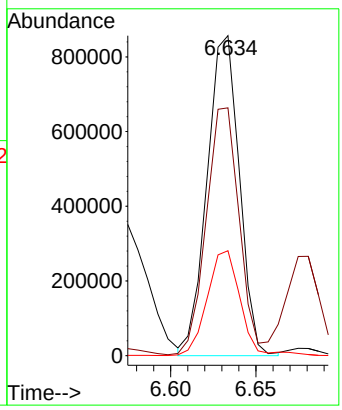


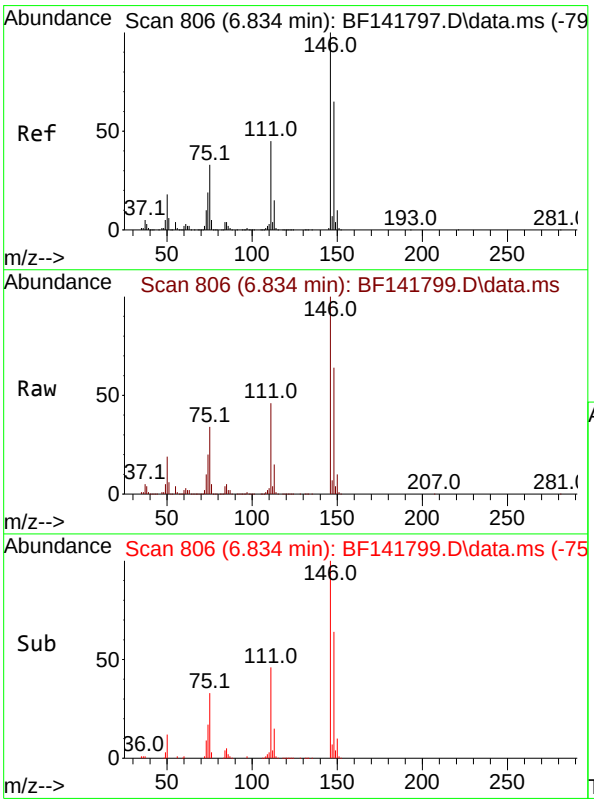
#11
bis(2-Chloroethyl)ether
Concen: 57.184 ng
RT: 6.634 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 1130421

Ion	Ratio	Lower	Upper
93	100		
63	77.4	59.3	99.3
95	32.8	13.2	53.2

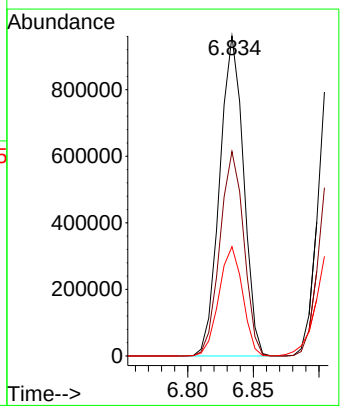


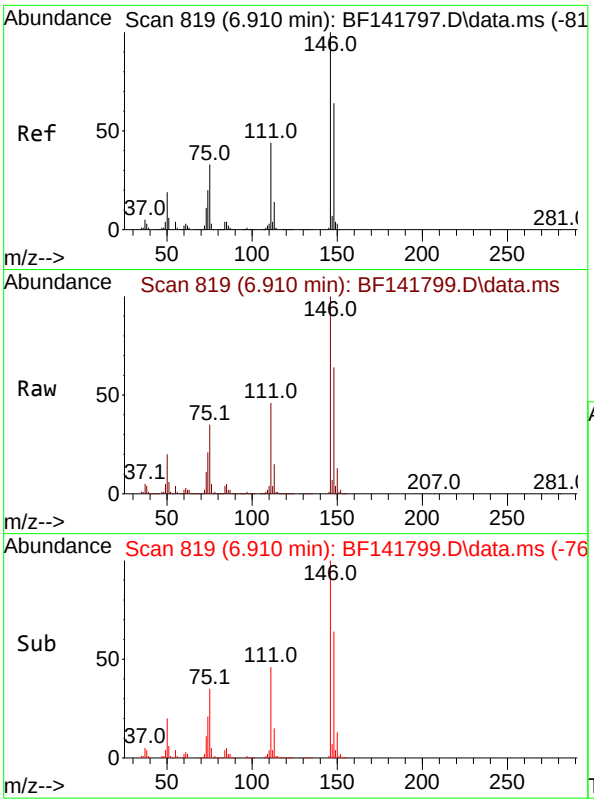


#12
1,3-Dichlorobenzene
Concen: 56.273 ng
RT: 6.834 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:146 Resp: 1215544

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.8	77.6
75	34.1	26.2	39.4



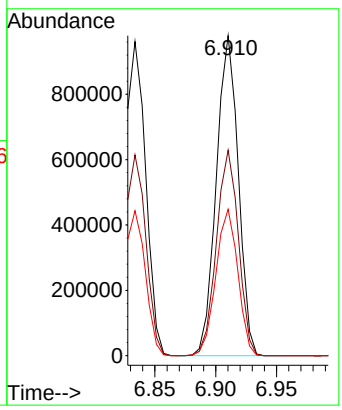


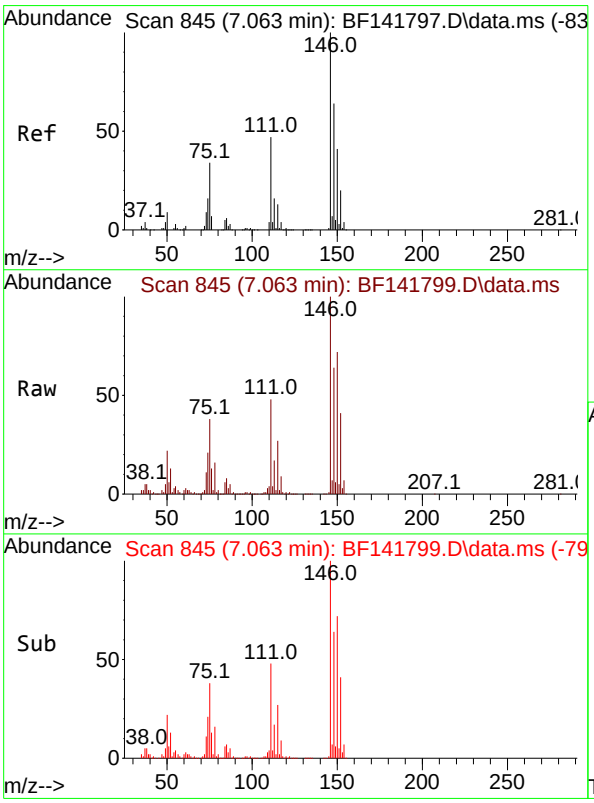
#13
1,4-Dichlorobenzene
Concen: 56.536 ng
RT: 6.910 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 1230489

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.2
111	45.8	35.5	53.3

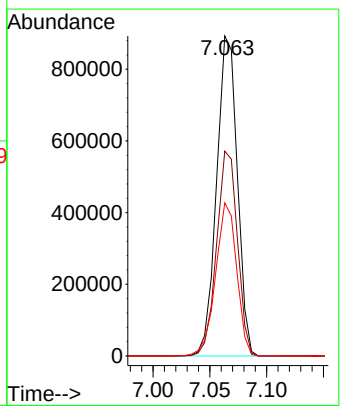


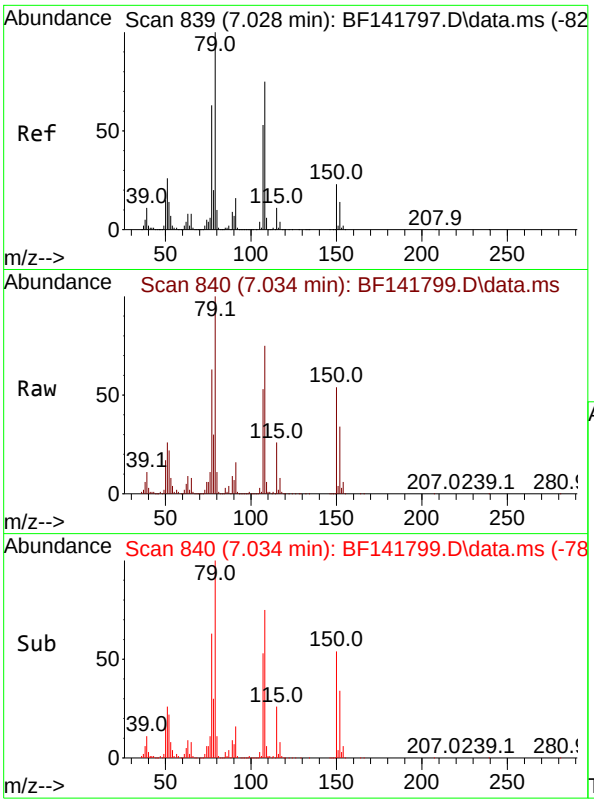


#14
1,2-Dichlorobenzene
Concen: 55.834 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:146 Resp: 1134751

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.2	76.8
111	47.8	37.8	56.6



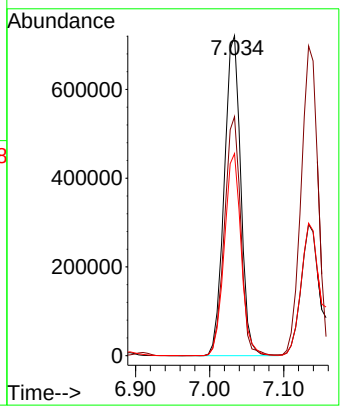


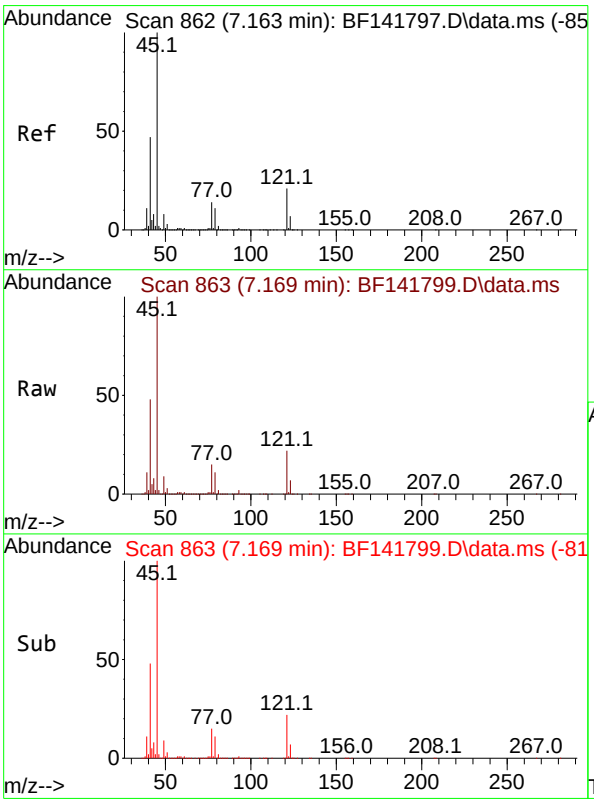
#15
Benzyl Alcohol
Concen: 57.170 ng
RT: 7.034 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 1108848

Ion	Ratio	Lower	Upper
79	100		
108	74.7	60.2	90.2
77	63.2	50.2	75.2

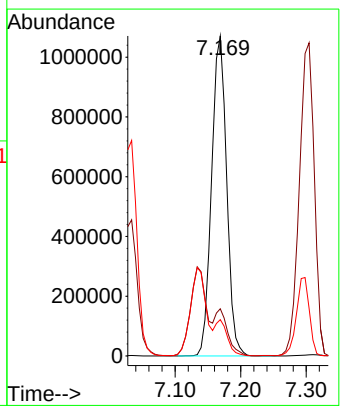


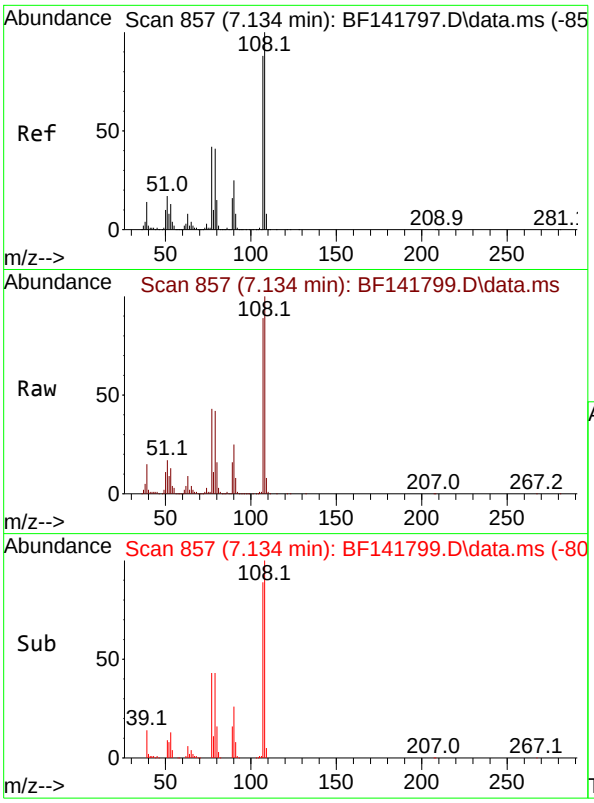


#16
2,2'-oxybis(1-Chloropropane)
Concen: 56.838 ng
RT: 7.169 min Scan# 863
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion: 45 Resp: 1706347

Ion	Ratio	Lower	Upper
45	100		
77	14.7	0.0	34.4
79	11.4	0.0	30.9



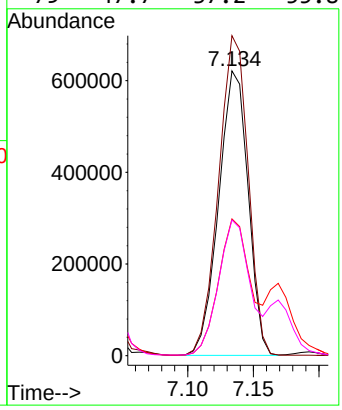


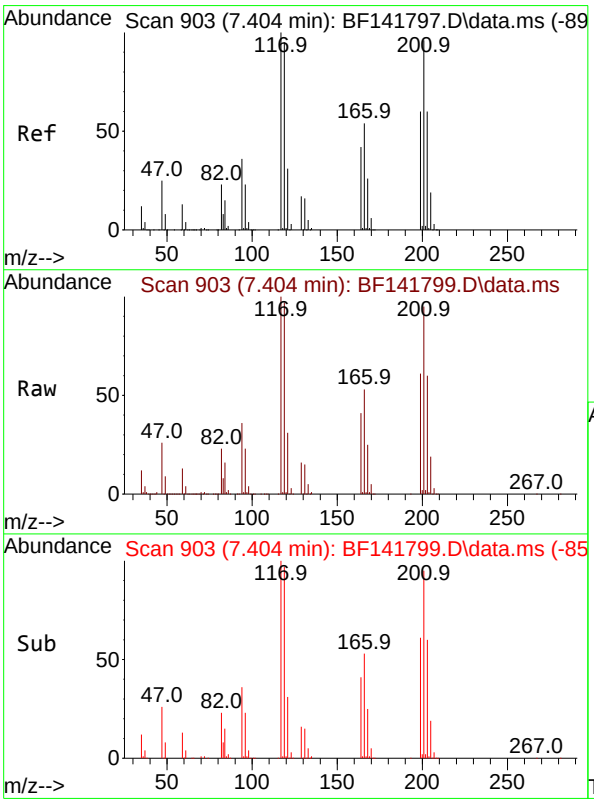
#17
2-Methylphenol
Concen: 58.177 ng
RT: 7.134 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 968603

Ion	Ratio	Lower	Upper
107	100		
108	112.4	90.6	135.8
77	48.0	37.7	56.5
79	47.7	37.2	55.8

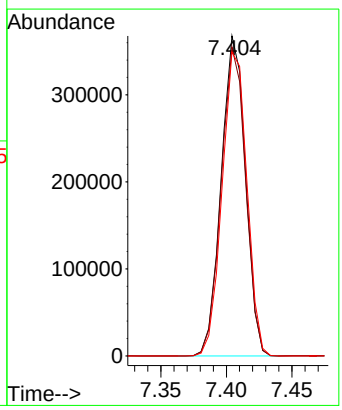


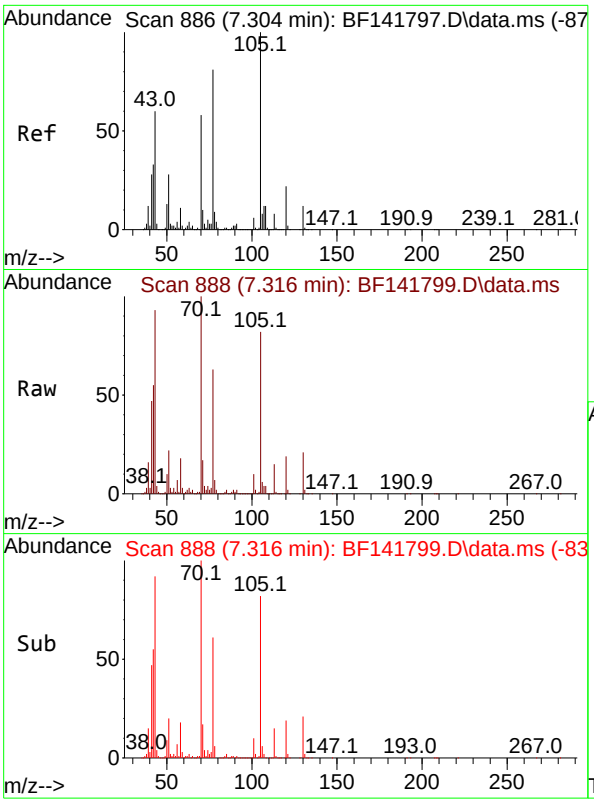


#18
Hexachloroethane
Concen: 58.163 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:117 Resp: 473809

Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.8	113.8
201	95.0	76.7	115.1



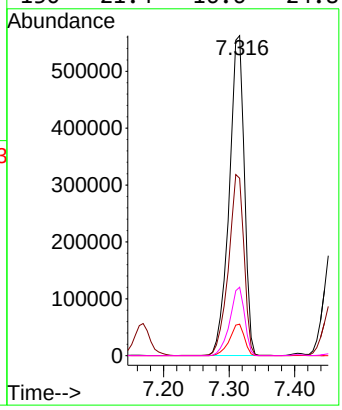


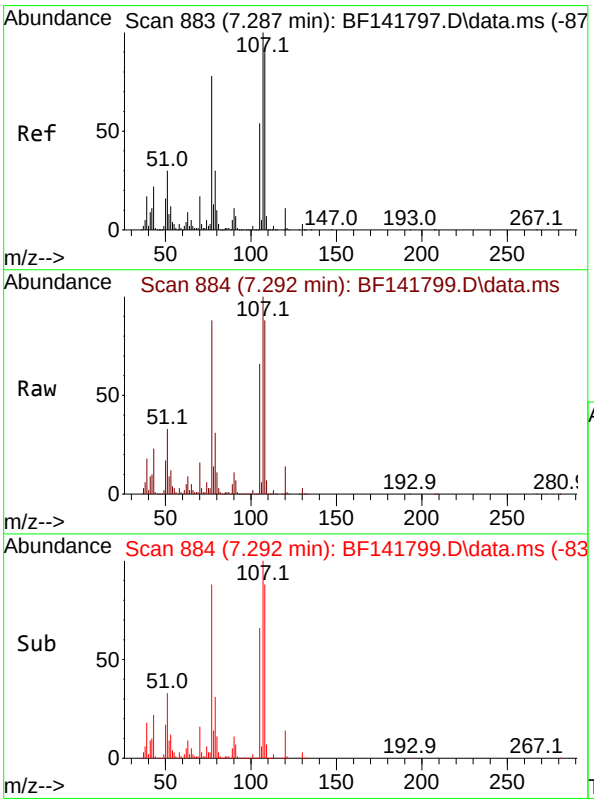
#19
n-Nitroso-di-n-propylamine
Concen: 56.387 ng
RT: 7.316 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 899573

Ion	Ratio	Lower	Upper
70	100		
42	55.5	45.4	68.0
101	9.9	7.8	11.8
130	21.4	16.6	24.8

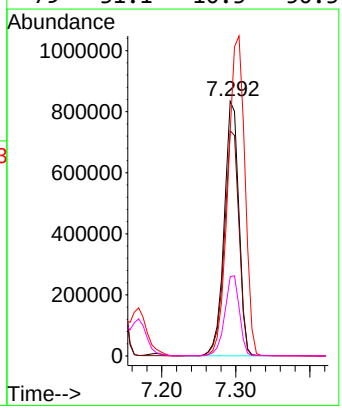


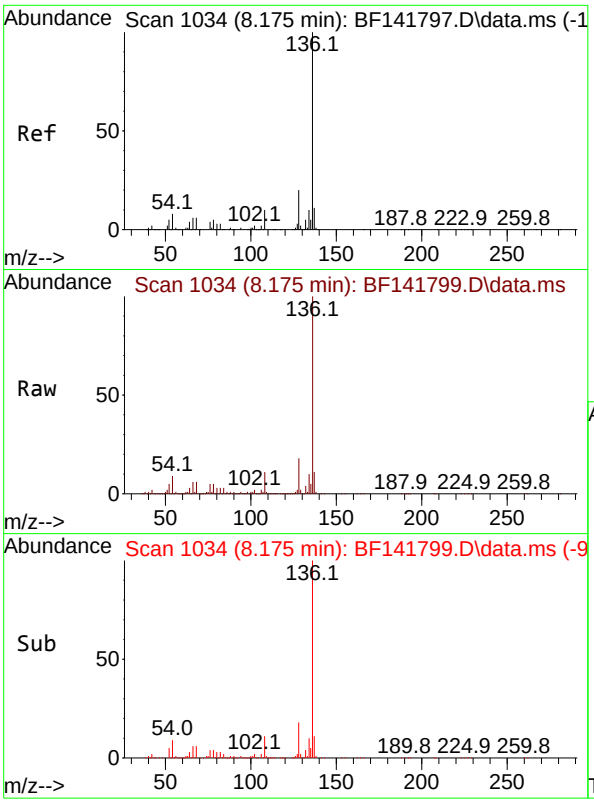


#20
3+4-Methylphenols
Concen: 55.188 ng
RT: 7.292 min Scan# 884
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:107 Resp: 1144144

Ion	Ratio	Lower	Upper
107	100		
108	88.4	69.7	109.7
77	88.3	58.3	98.3
79	31.1	10.3	50.3



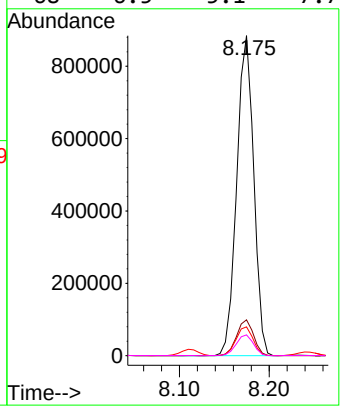


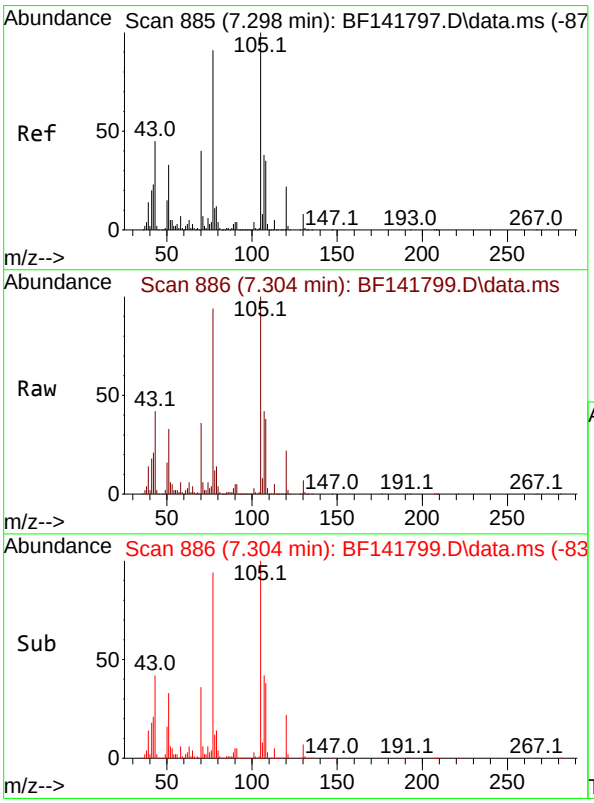
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 1163023

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	9.0	6.9	10.3
68	6.5	5.1	7.7

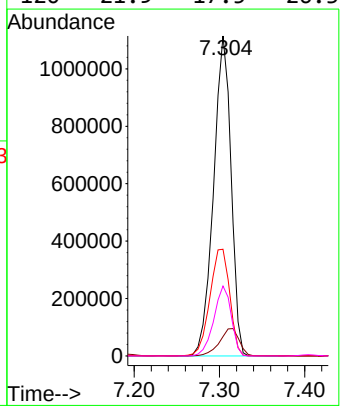


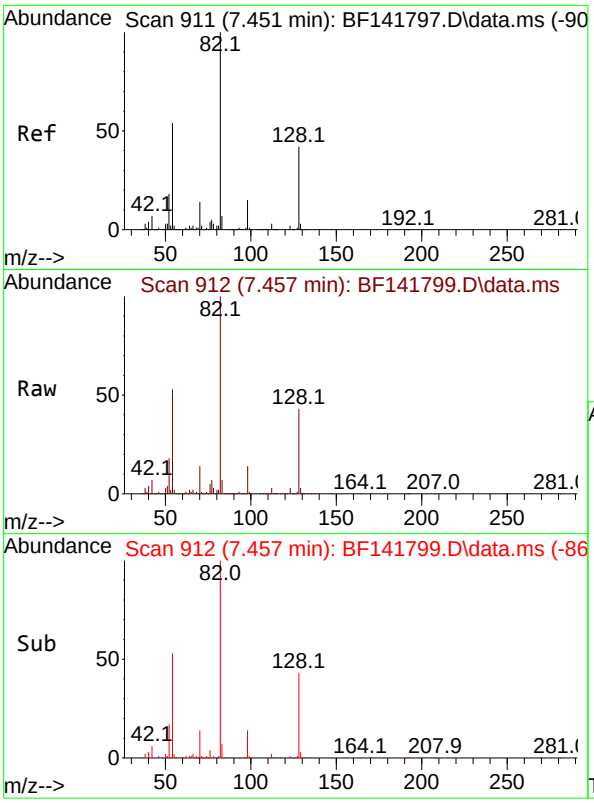


#22
Acetophenone
Concen: 56.070 ng
RT: 7.304 min Scan# 886
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:105 Resp: 1588210

Ion	Ratio	Lower	Upper
105	100		
71	6.1	5.4	8.0
51	33.4	26.1	39.1
120	21.9	17.5	26.3



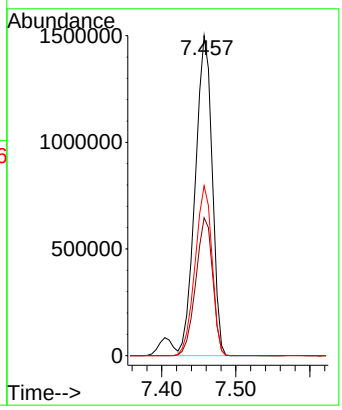


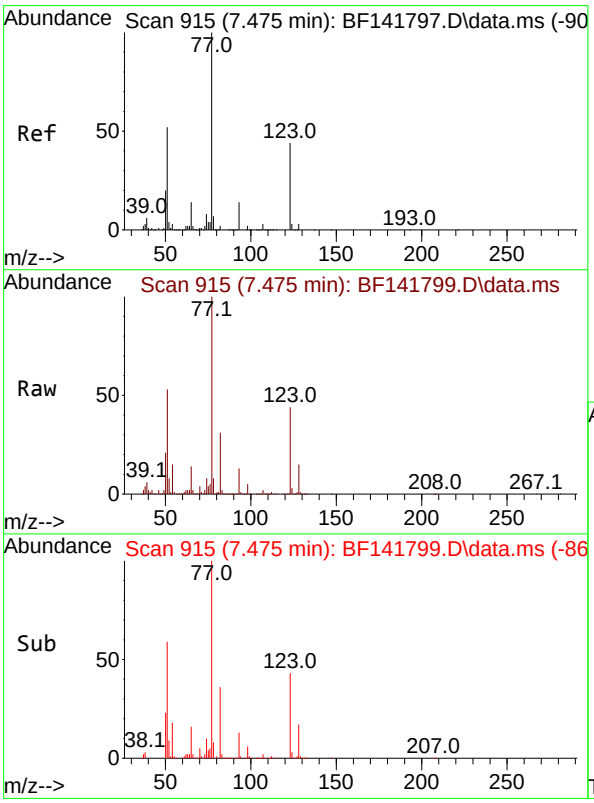
#23
Nitrobenzene-d5
Concen: 130.503 ng
RT: 7.457 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2374498

Ion	Ratio	Lower	Upper
82	100		
128	43.1	33.5	50.3
54	53.1	42.7	64.1

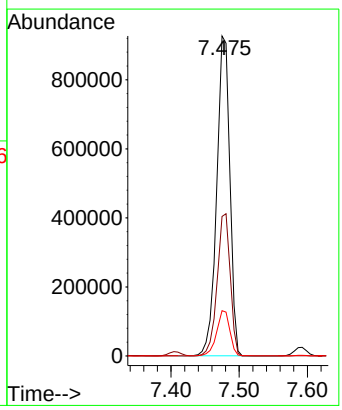


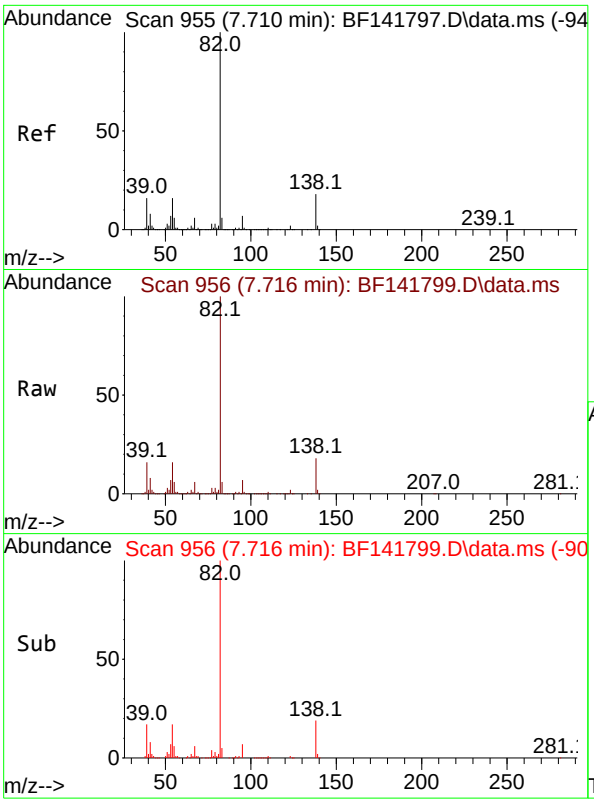


#24
Nitrobenzene
Concen: 63.867 ng
RT: 7.475 min Scan# 915
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion: 77 Resp: 1244392

Ion	Ratio	Lower	Upper
77	100		
123	43.6	35.8	53.8
65	14.2	11.2	16.8



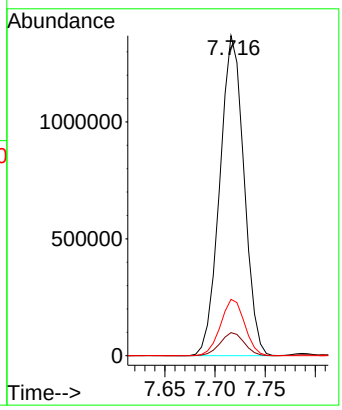


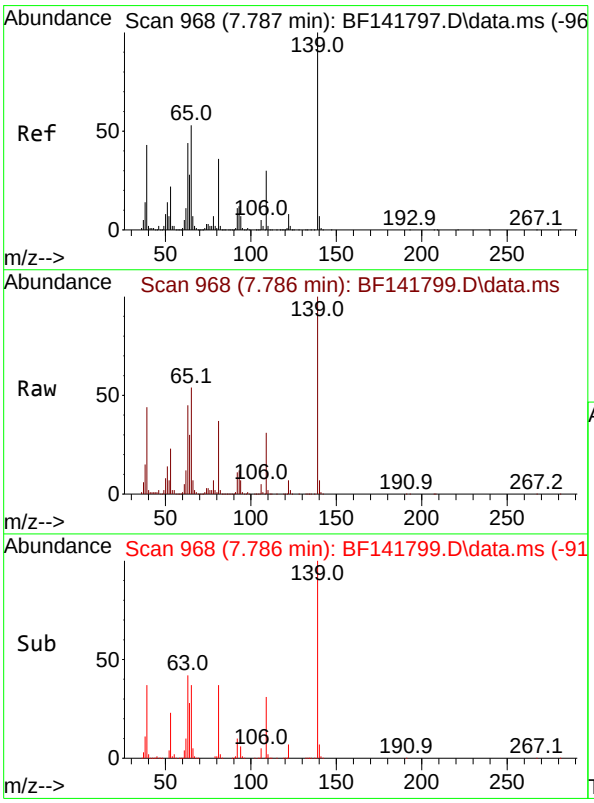
#25
Isophorone
Concen: 58.786 ng
RT: 7.716 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2297900

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.8	8.8
138	17.6	14.0	21.0

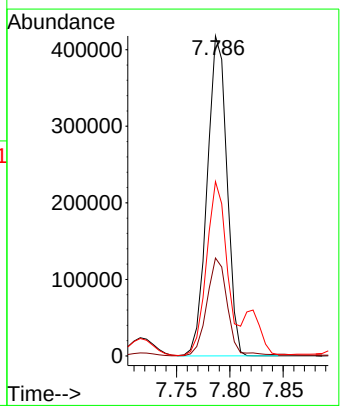


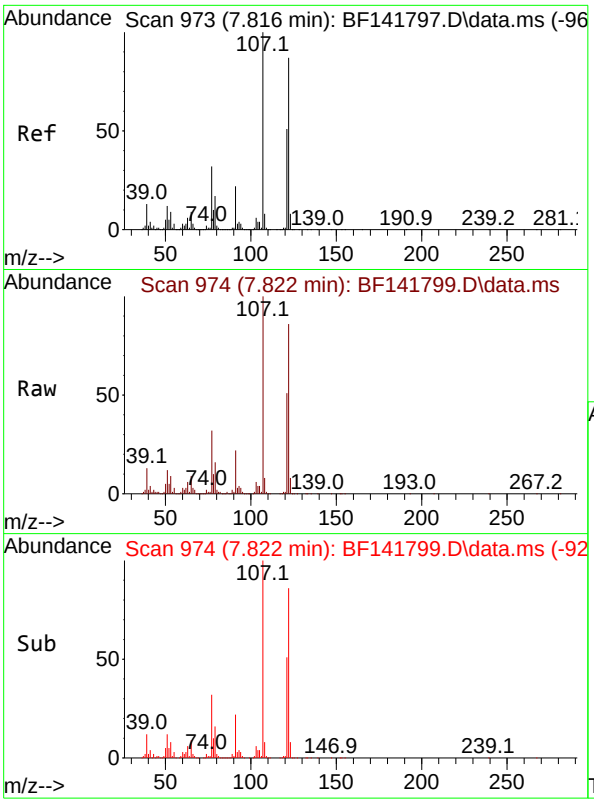


#26
2-Nitrophenol
Concen: 60.712 ng
RT: 7.786 min Scan# 968
Delta R.T. -0.001 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:139 Resp: 540018

Ion	Ratio	Lower	Upper
139	100		
109	30.6	24.1	36.1
65	54.5	42.3	63.5



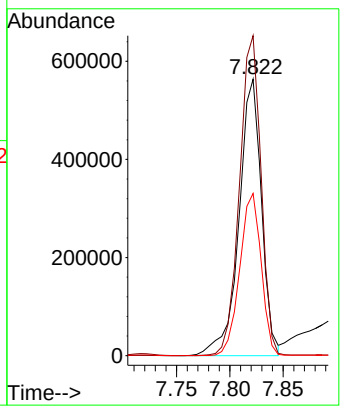


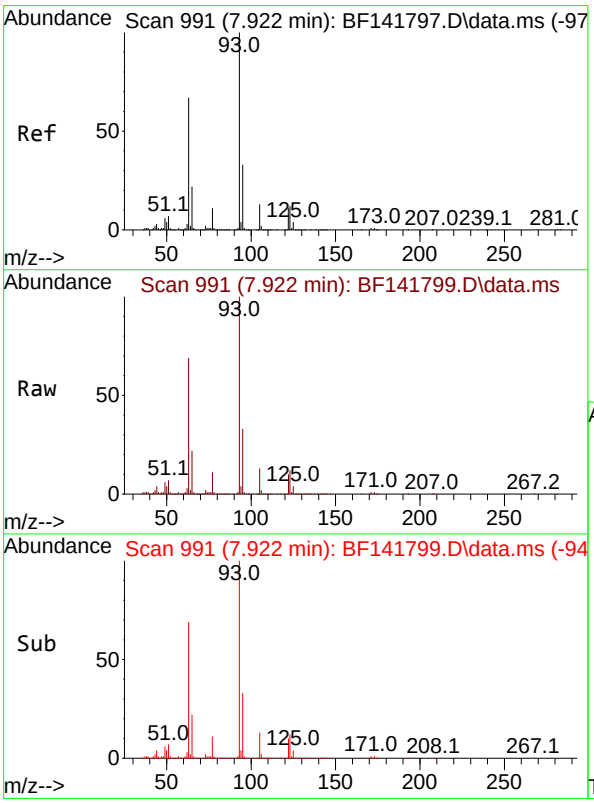
#27
2,4-Dimethylphenol
Concen: 57.912 ng
RT: 7.822 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 832135

Ion	Ratio	Lower	Upper
122	100		
107	115.7	92.5	138.7
121	58.7	47.1	70.7

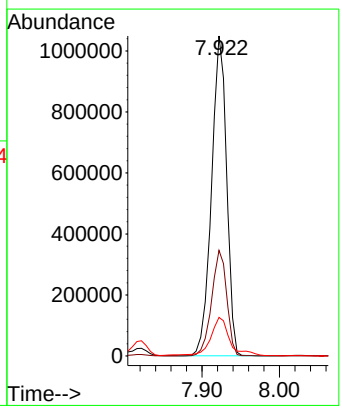


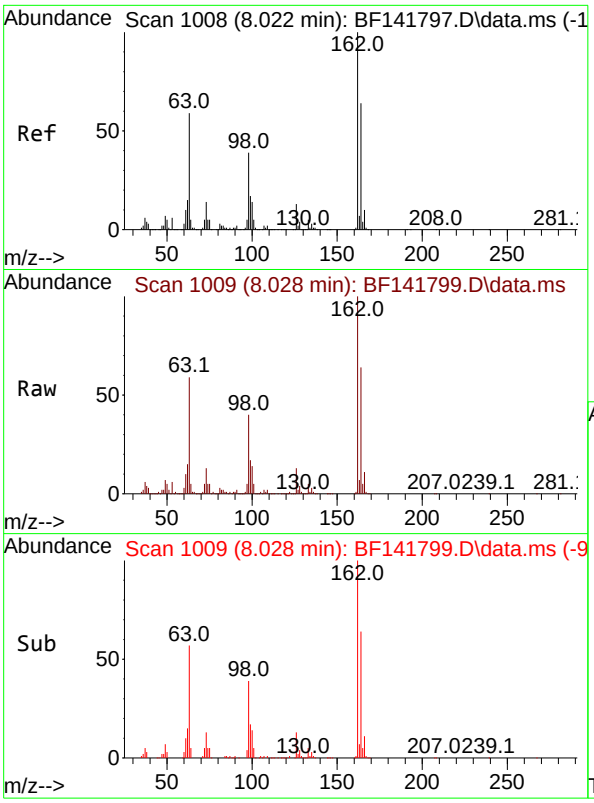


#28
bis(2-Chloroethoxy)methane
Concen: 57.094 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion: 93 Resp: 1423641

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.5	39.7
123	12.1	10.0	15.0



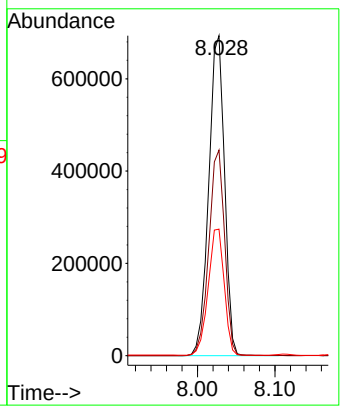


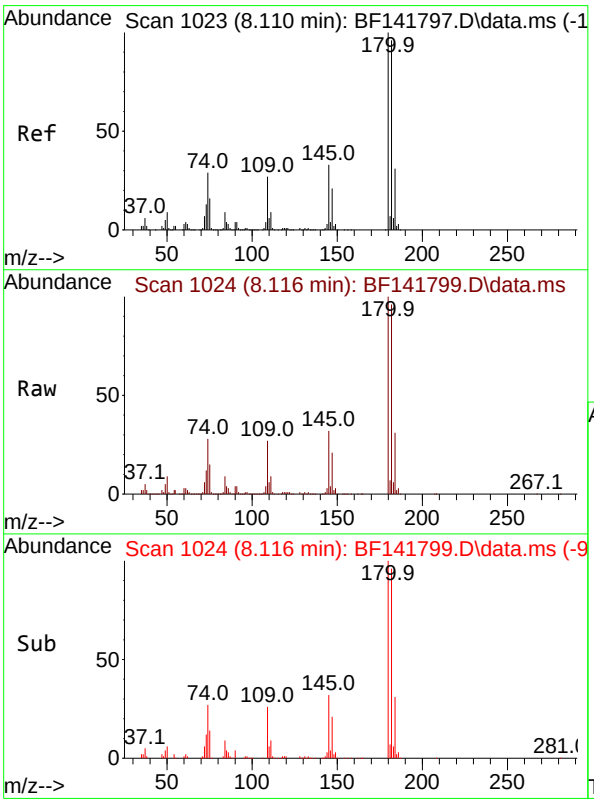
#29
2,4-Dichlorophenol
Concen: 59.211 ng
RT: 8.028 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 981508

Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.3	84.3
98	39.5	19.6	59.6

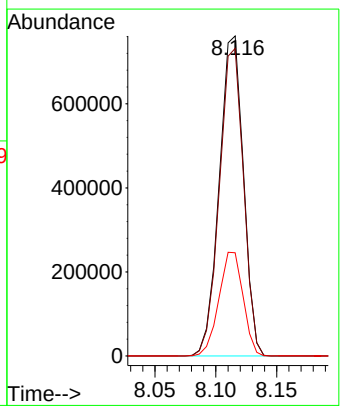


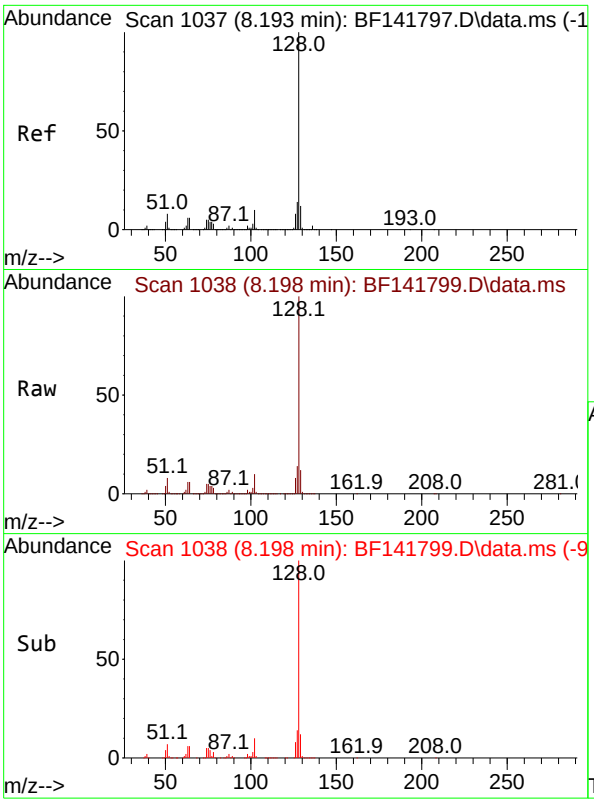


#30
1,2,4-Trichlorobenzene
Concen: 57.885 ng
RT: 8.116 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:180 Resp: 1051434

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.8	115.2
145	32.2	26.4	39.6



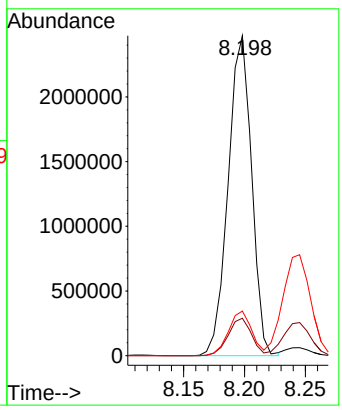


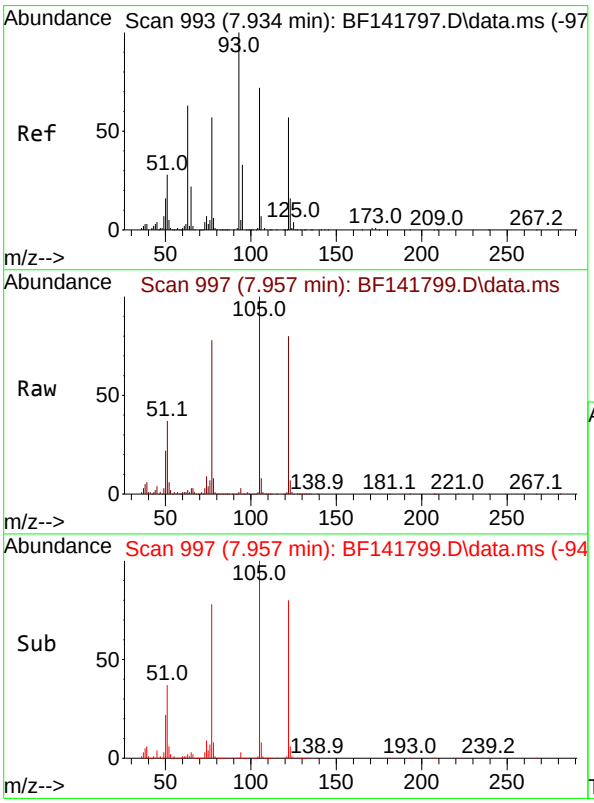
#31
Naphthalene
Concen: 55.427 ng
RT: 8.198 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 3313144

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.2	13.8
127	13.9	11.0	16.4

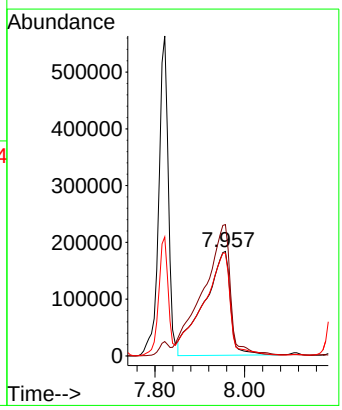


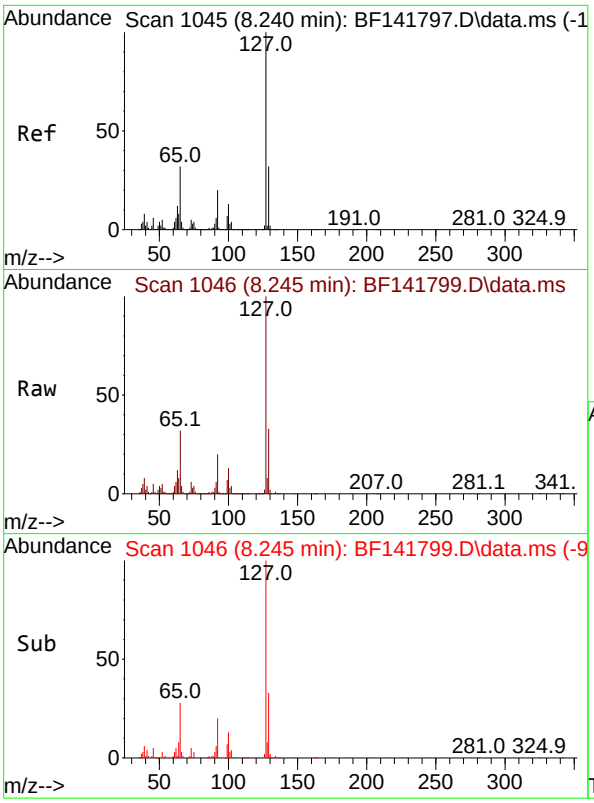


#32
Benzoic acid
Concen: 60.158 ng
RT: 7.957 min Scan# 997
Delta R.T. 0.023 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:122 Resp: 749284

Ion	Ratio	Lower	Upper
122	100		
105	125.7	105.8	145.8
77	98.5	79.9	119.9



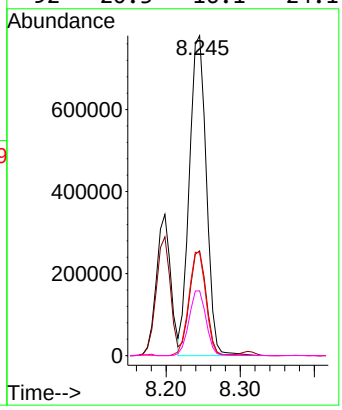


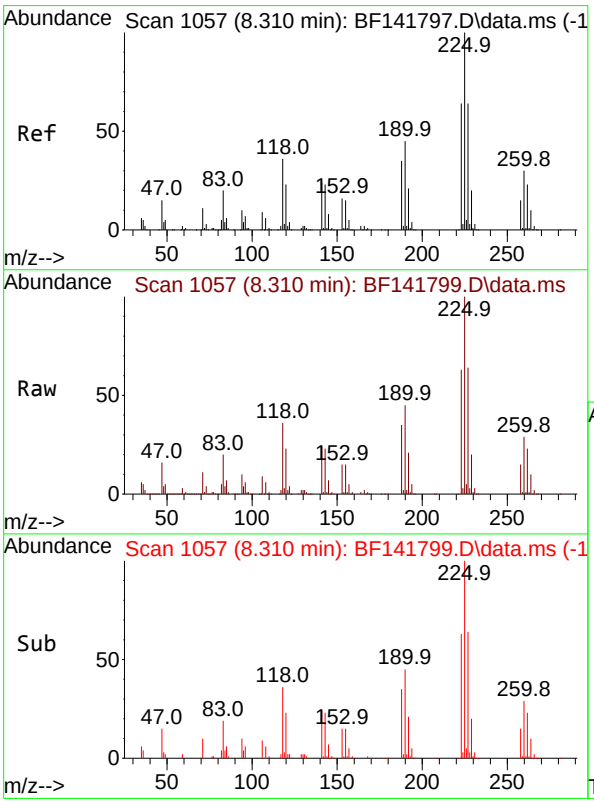
#33
4-Chloroaniline
Concen: 56.723 ng
RT: 8.245 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 1243216

Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.1	39.1
65	32.2	25.7	38.5
92	20.3	16.1	24.1

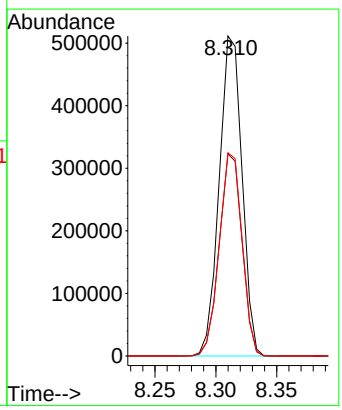


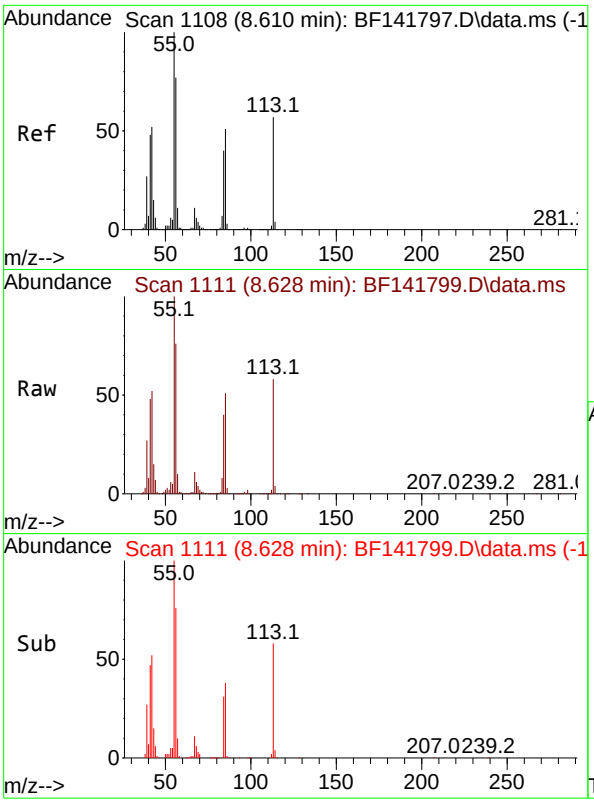


#34
Hexachlorobutadiene
Concen: 59.082 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:225 Resp: 666891

Ion	Ratio	Lower	Upper
225	100		
223	63.2	51.4	77.2
227	63.5	51.6	77.4



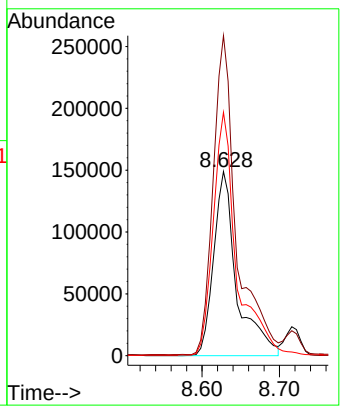


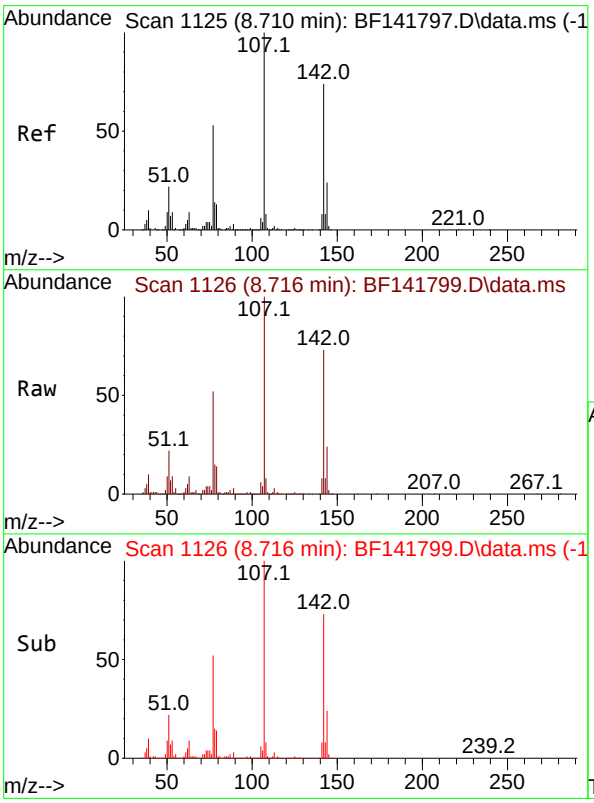
#35
Caprolactam
Concen: 60.671 ng
RT: 8.628 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 309453

Ion	Ratio	Lower	Upper
113	100		
55	173.8	155.6	195.6
56	132.2	114.6	154.6

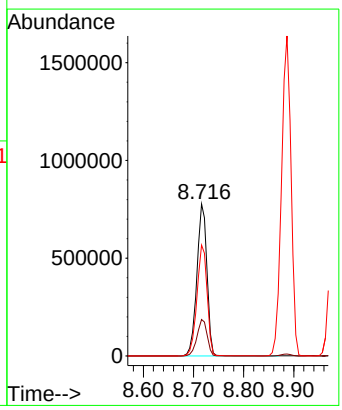


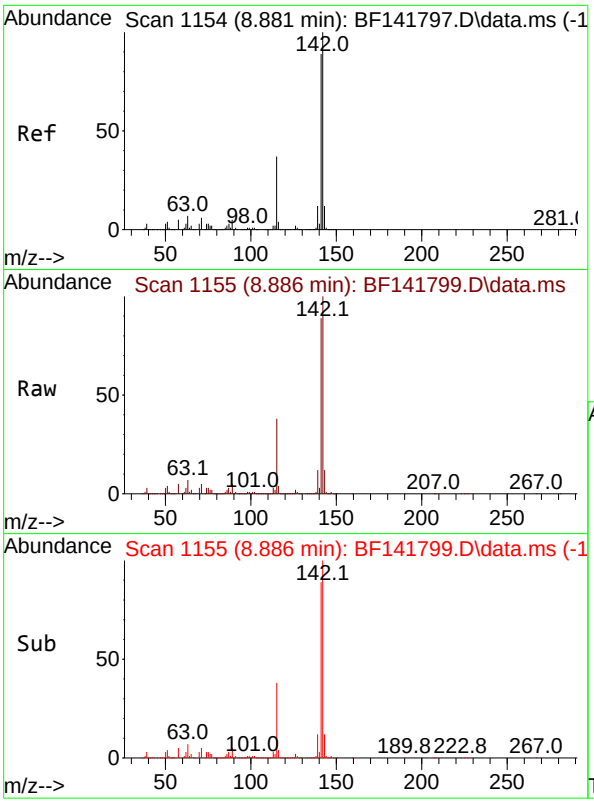


#36
4-Chloro-3-methylphenol
Concen: 58.783 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:107 Resp: 1082457

Ion	Ratio	Lower	Upper
107	100		
144	24.0	19.4	29.0
142	73.0	59.4	89.0



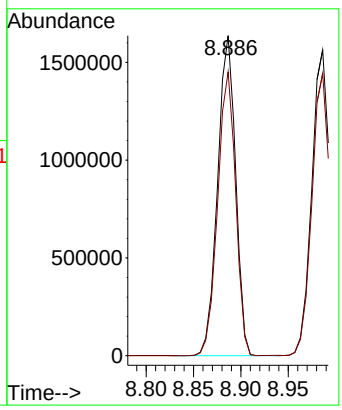


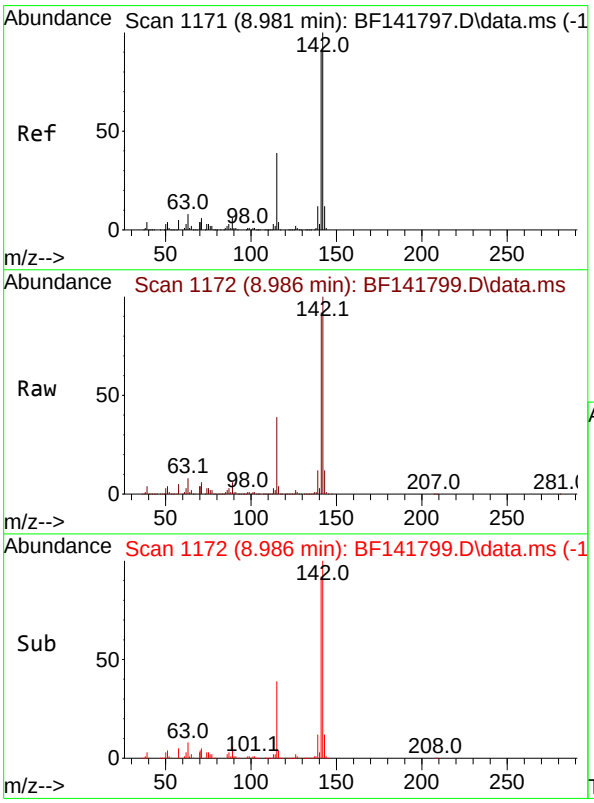
#37
2-Methylnaphthalene
Concen: 55.115 ng
RT: 8.886 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 2160902

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.1	106.7

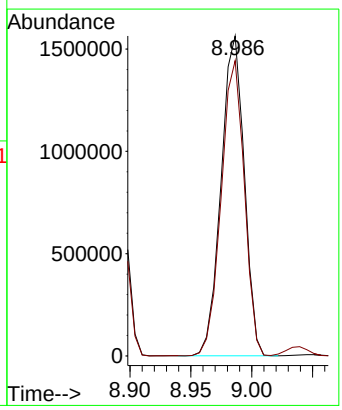


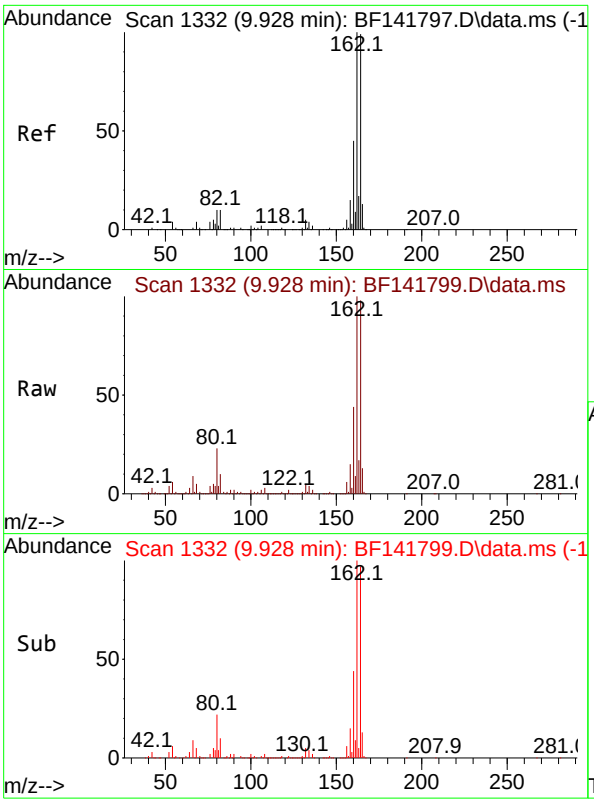


#38
1-Methylnaphthalene
Concen: 55.054 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:142 Resp: 2071154

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.1	109.7



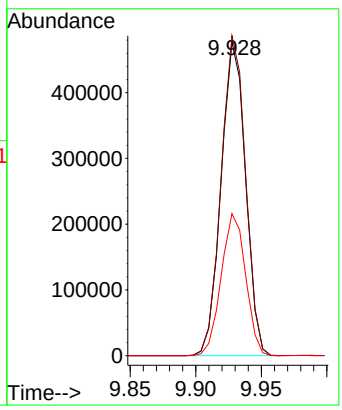


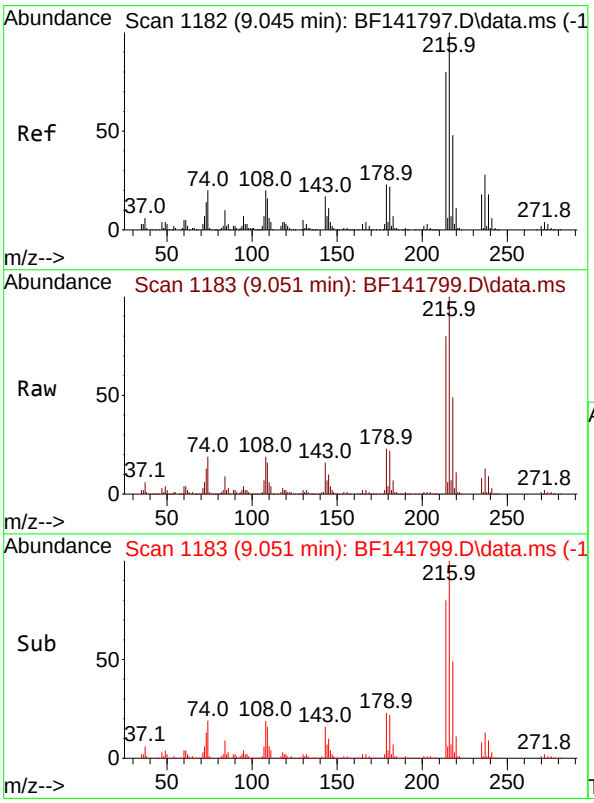
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 617087

Ion	Ratio	Lower	Upper
164	100		
162	102.0	80.6	120.8
160	45.3	36.3	54.5

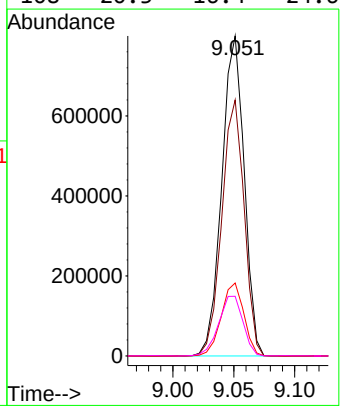


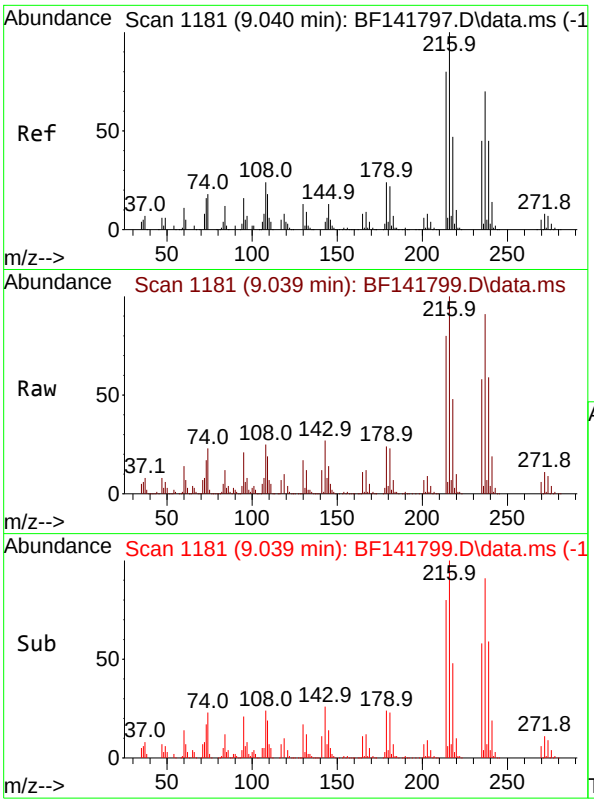


#40
1,2,4,5-Tetrachlorobenzene
Concen: 57.477 ng
RT: 9.051 min Scan# 1183
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:216 Resp: 1024373

Ion	Ratio	Lower	Upper
216	100		
214	79.8	63.5	95.3
179	23.0	18.1	27.1
108	20.3	16.4	24.6



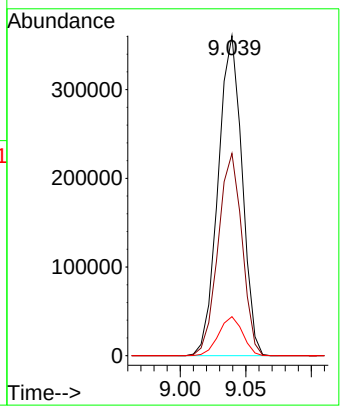


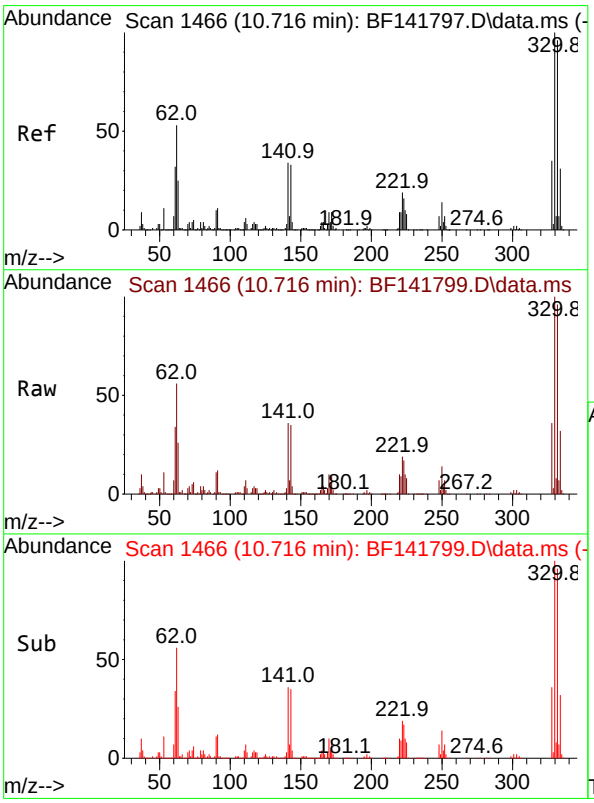
#41
Hexachlorocyclopentadiene
Concen: 61.586 ng
RT: 9.039 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 458054

Ion	Ratio	Lower	Upper
237	100		
235	63.2	43.3	83.3
272	12.2	0.0	31.9

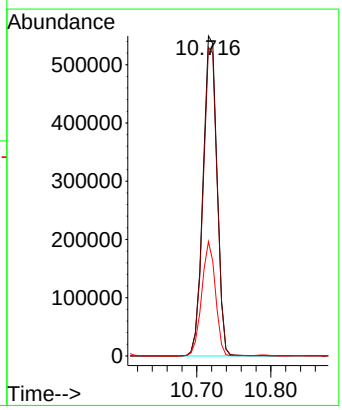


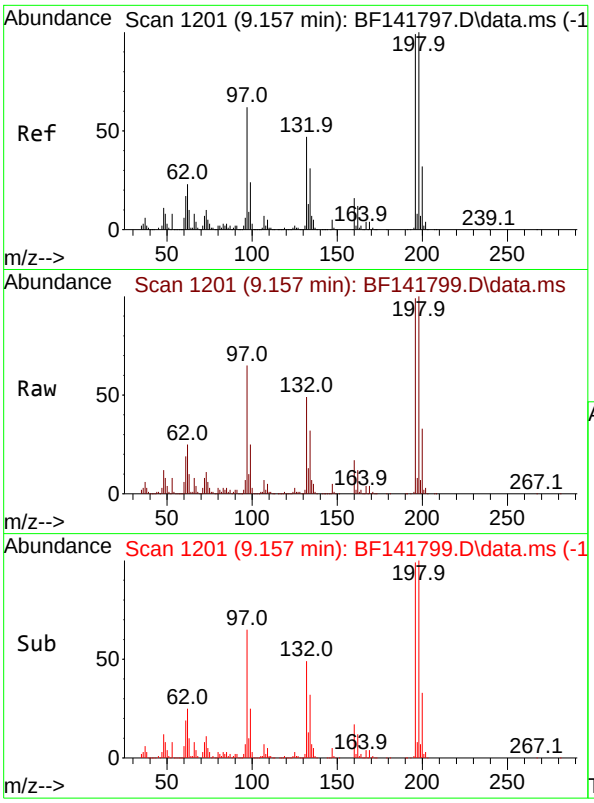


#42
2,4,6-Tribromophenol
Concen: 125.191 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:330 Resp: 725271

Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.6	115.0
141	34.9	29.0	43.4



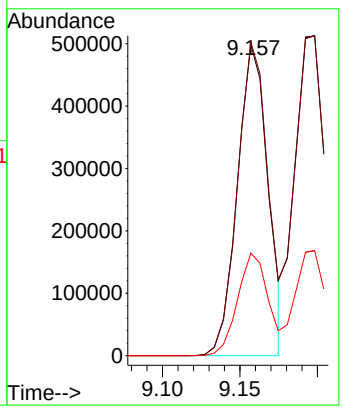


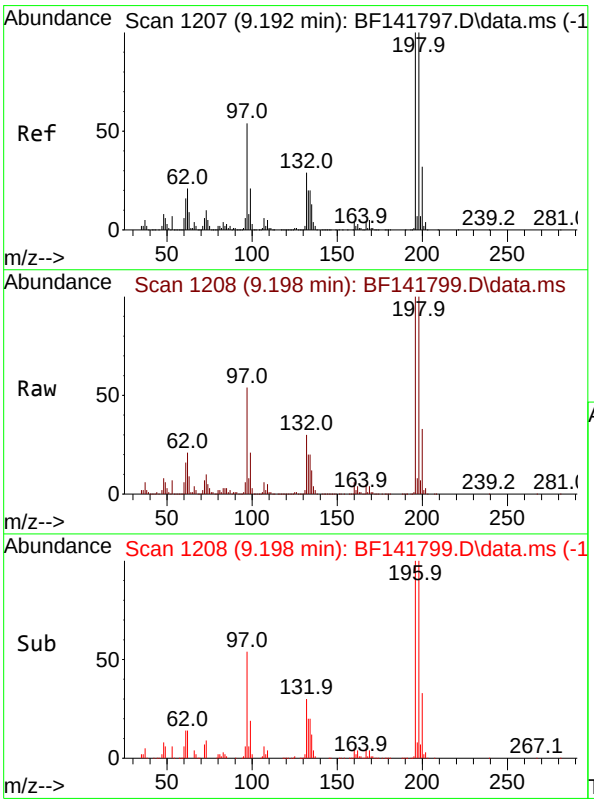
#43
2,4,6-Trichlorophenol
Concen: 59.220 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 681760

Ion	Ratio	Lower	Upper
196	100		
198	100.8	80.4	120.6
200	33.0	25.7	38.5

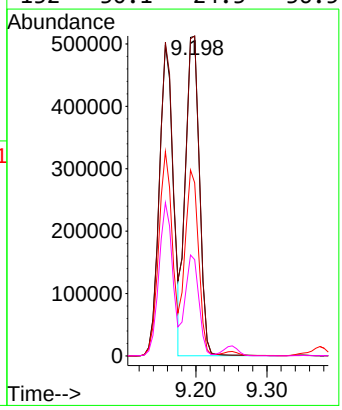


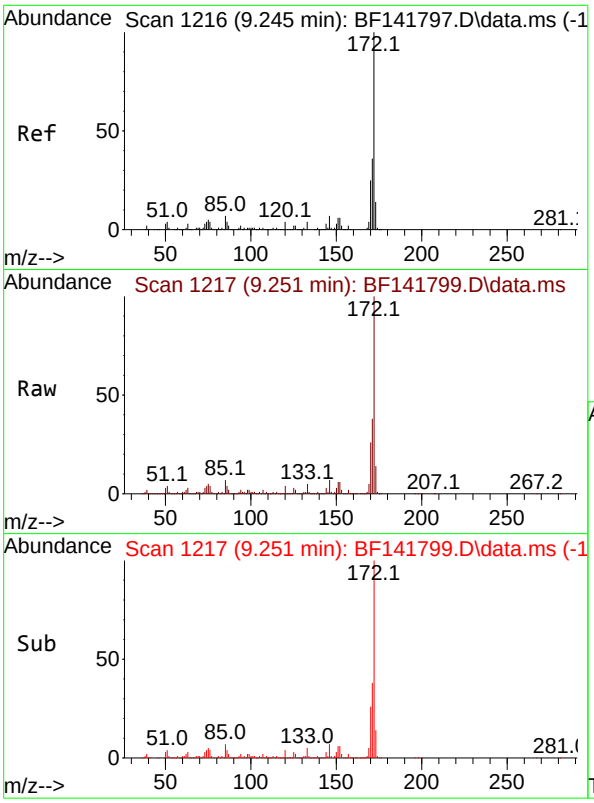


#44
2,4,5-Trichlorophenol
Concen: 61.725 ng
RT: 9.198 min Scan# 1208
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:196 Resp: 703662

Ion	Ratio	Lower	Upper
196	100		
198	100.1	79.7	119.5
97	54.1	44.2	66.2
132	30.1	24.3	36.5



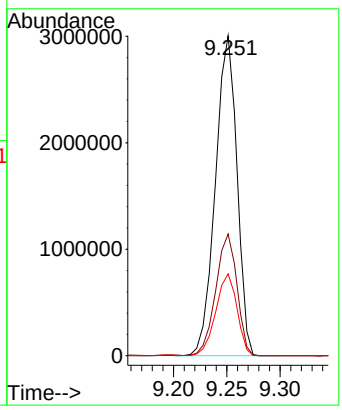


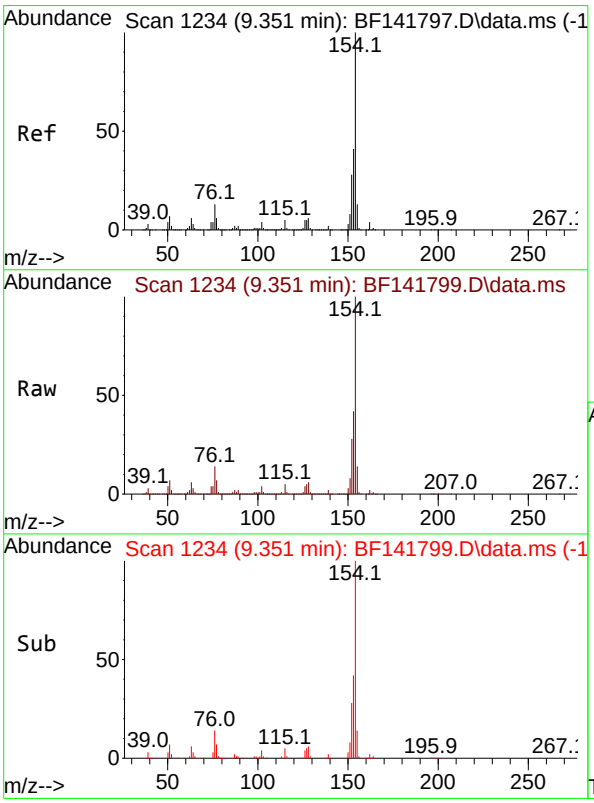
#45
2-Fluorobiphenyl
Concen: 109.742 ng
RT: 9.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 4223426

Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.2	43.8
170	25.5	19.7	29.5

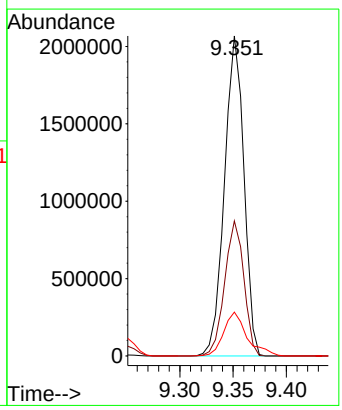


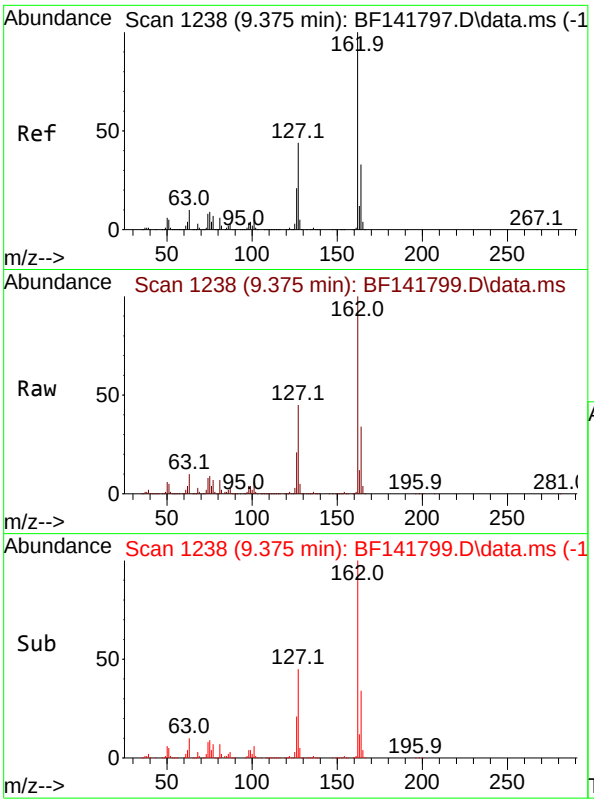


#46
1,1'-Biphenyl
Concen: 55.911 ng
RT: 9.351 min Scan# 1234
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:154 Resp: 2626139

Ion	Ratio	Lower	Upper
154	100		
153	42.2	21.4	61.4
76	13.7	0.0	33.4



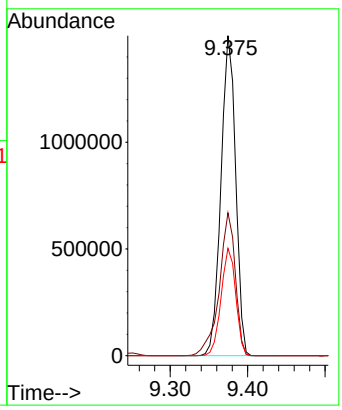


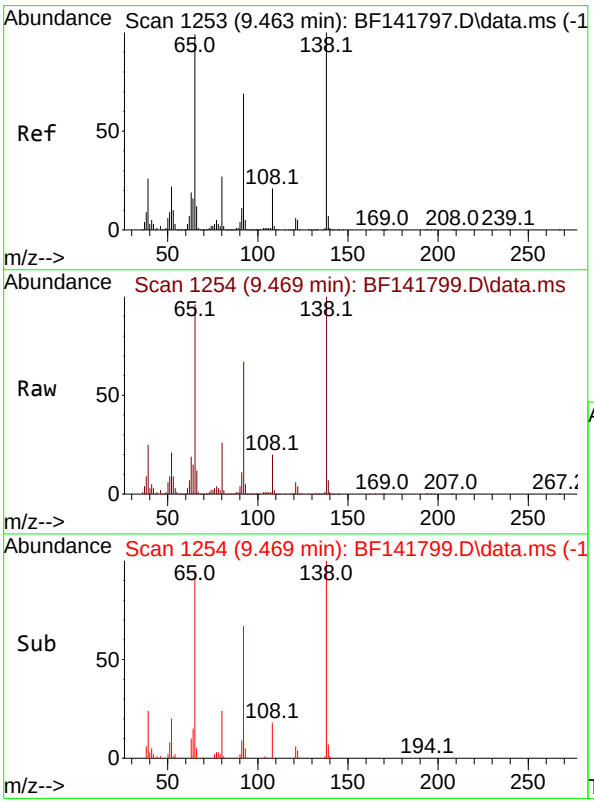
#47
2-Chloronaphthalene
Concen: 57.187 ng
RT: 9.375 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 1982513

Ion	Ratio	Lower	Upper
162	100		
127	44.6	35.0	52.6
164	33.5	26.6	40.0

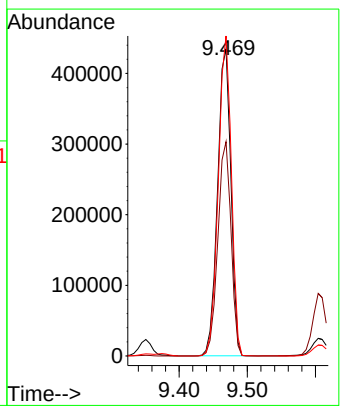


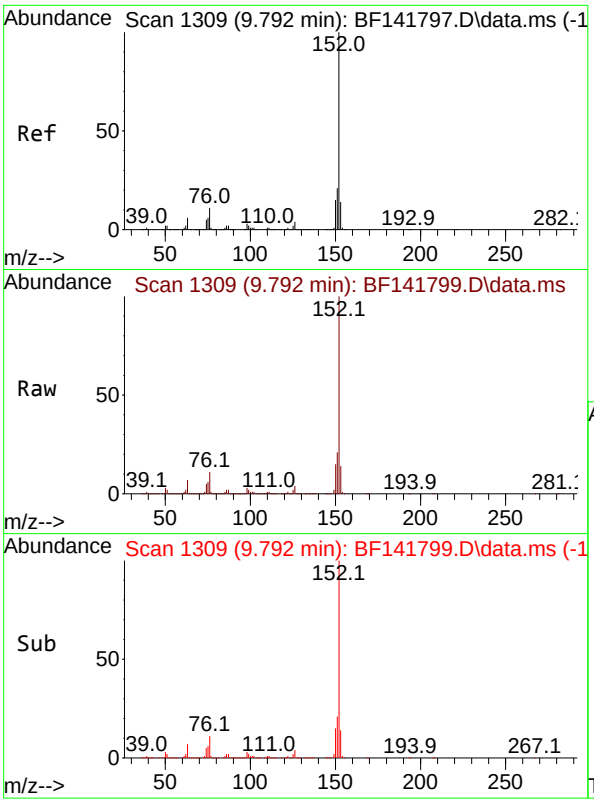


#48
2-Nitroaniline
Concen: 60.902 ng
RT: 9.469 min Scan# 1254
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion: 65 Resp: 590092

Ion	Ratio	Lower	Upper
65	100		
92	69.8	55.7	83.5
138	104.2	80.6	121.0



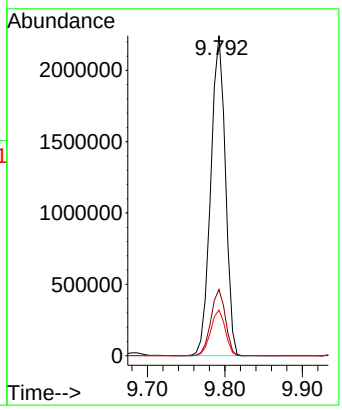


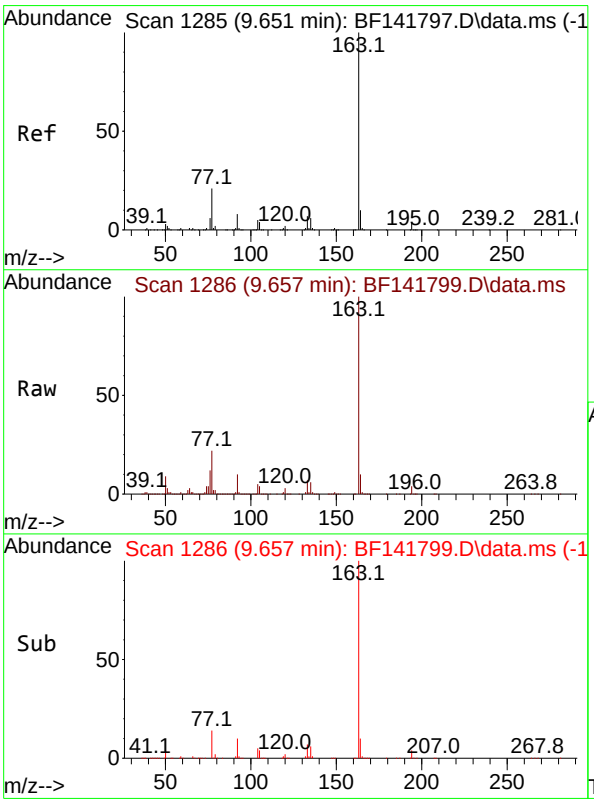
#49
Acenaphthylene
Concen: 56.845 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 2954653

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.6	24.8
153	14.3	11.2	16.8

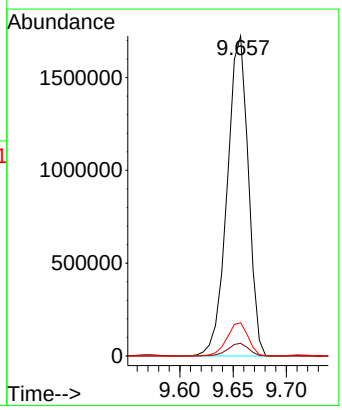


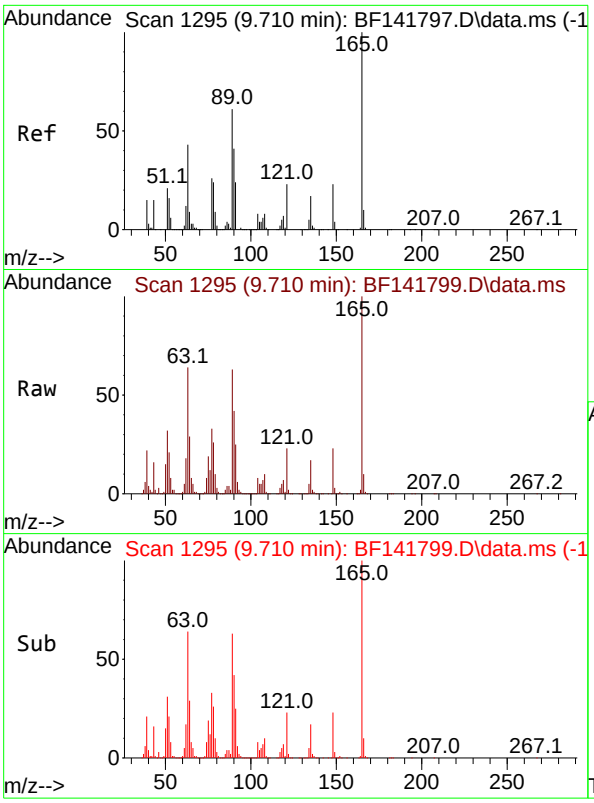


#50
Dimethylphthalate
Concen: 57.581 ng
RT: 9.657 min Scan# 1286
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:163 Resp: 2379542

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.4	8.4	12.6



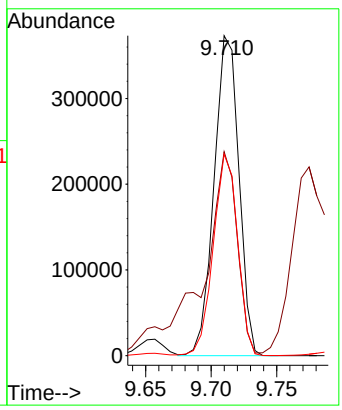


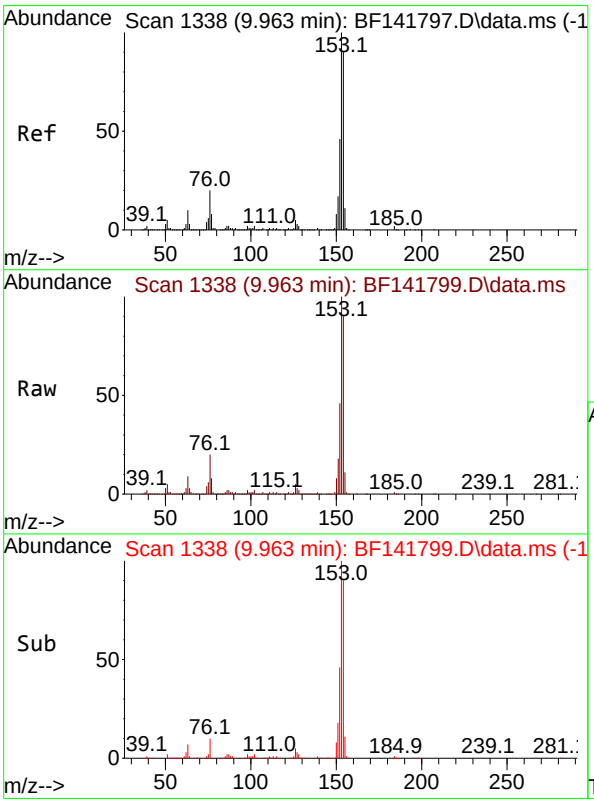
#51
2,6-Dinitrotoluene
Concen: 61.325 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 491402

Ion	Ratio	Lower	Upper
165	100		
63	63.8	49.5	74.3
89	63.0	49.0	73.4

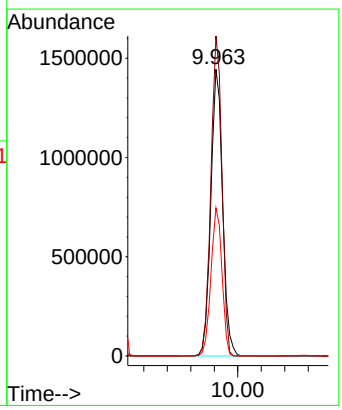


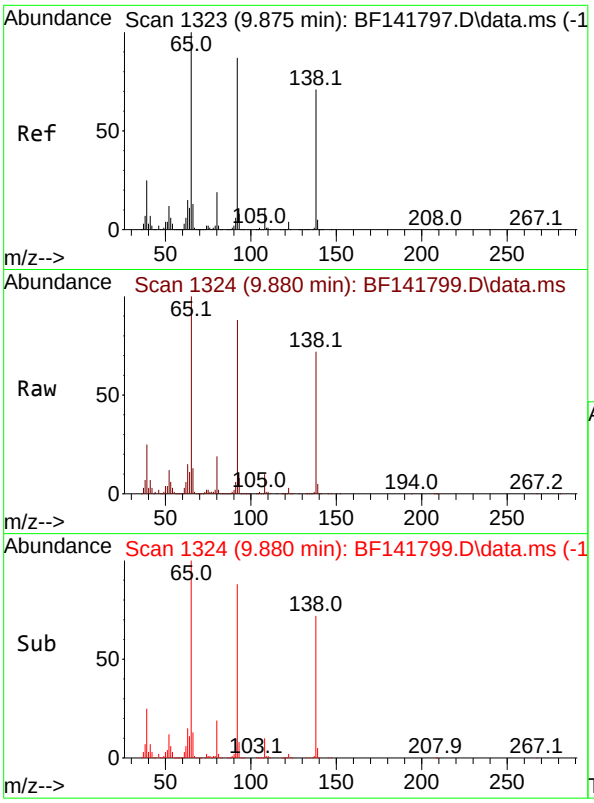


#52
Acenaphthene
Concen: 57.211 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:154 Resp: 2006502

Ion	Ratio	Lower	Upper
154	100		
153	111.6	88.7	133.1
152	51.6	40.9	61.3



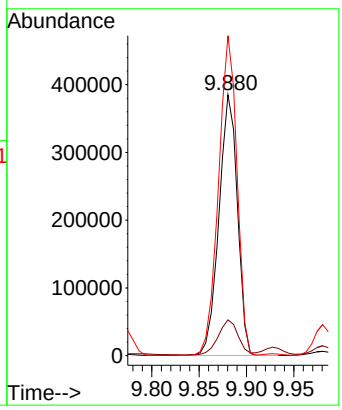


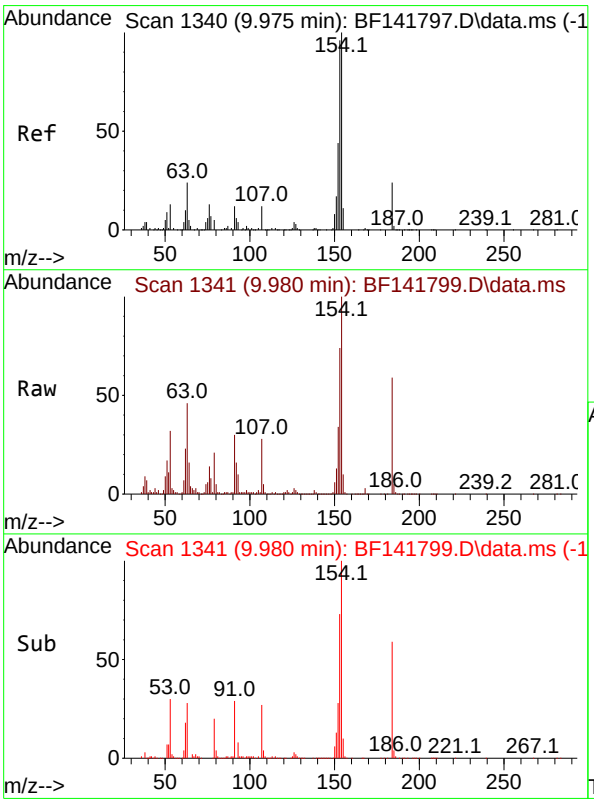
#53
3-Nitroaniline
Concen: 61.078 ng
RT: 9.880 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 521575

Ion	Ratio	Lower	Upper
138	100		
108	13.7	12.7	19.1
92	122.7	97.9	146.9

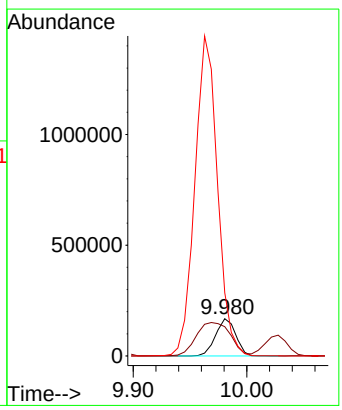


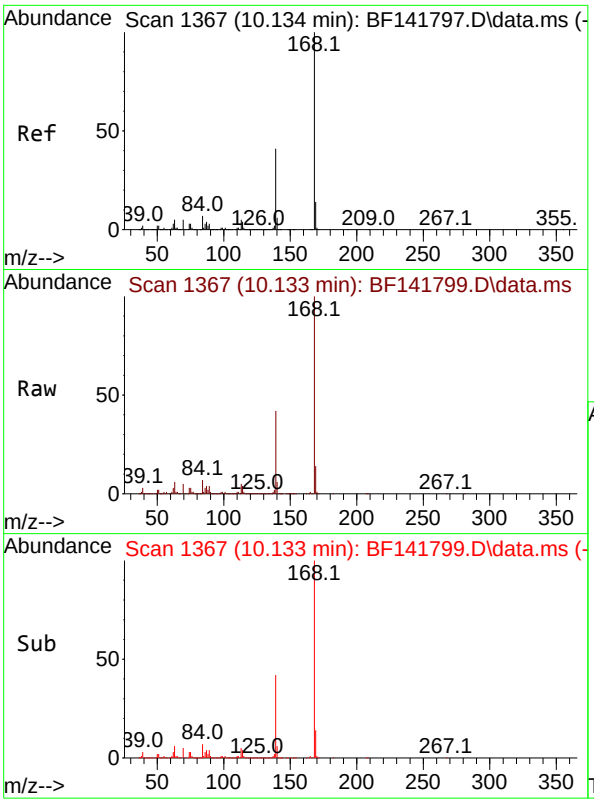


#54
2,4-Dinitrophenol
Concen: 62.312 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.005 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:184 Resp: 207307

Ion	Ratio	Lower	Upper
184	100		
63	78.8	79.0	118.6#
154	169.7	335.8	503.8#



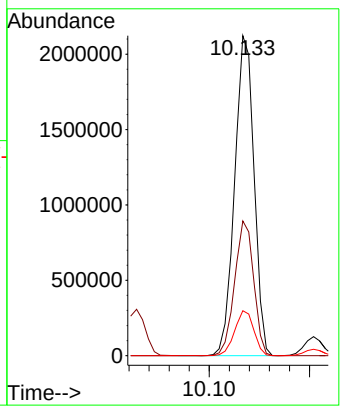


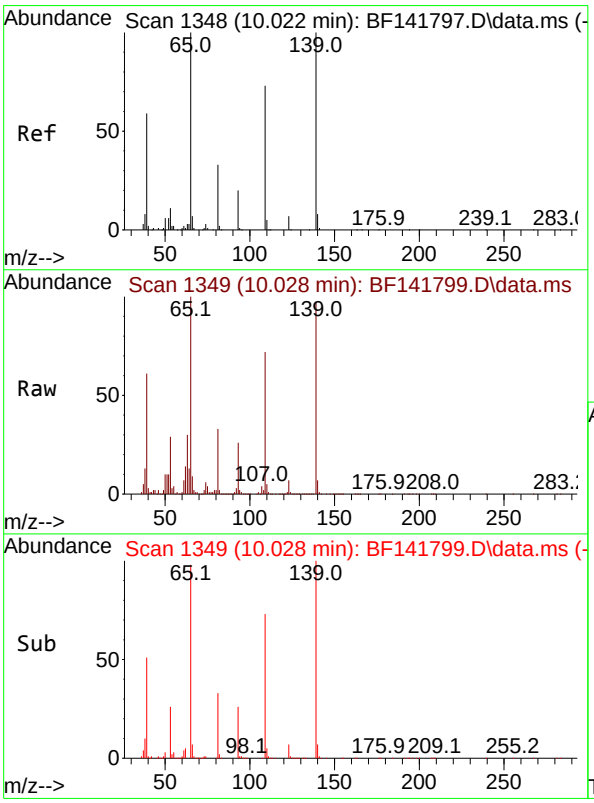
#55
Dibenzofuran
Concen: 55.911 ng
RT: 10.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 2854091

Ion	Ratio	Lower	Upper
168	100		
139	42.1	32.9	49.3
169	14.1	11.1	16.7

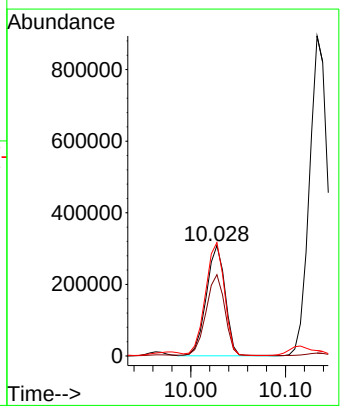


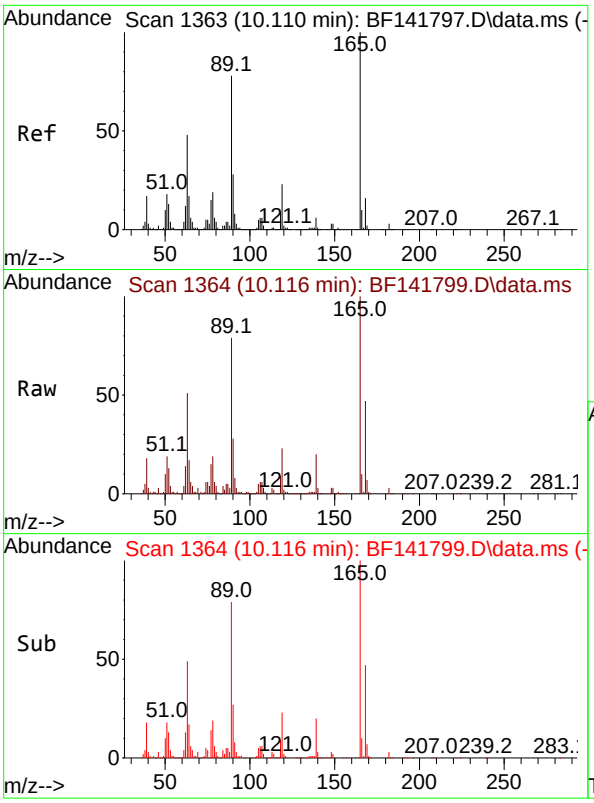


#56
4-Nitrophenol
Concen: 69.564 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:139 Resp: 424581

Ion	Ratio	Lower	Upper
139	100		
109	73.6	53.4	93.4
65	102.7	82.1	122.1



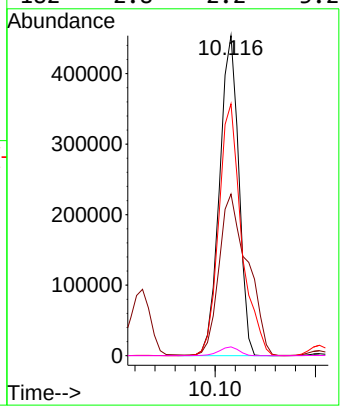


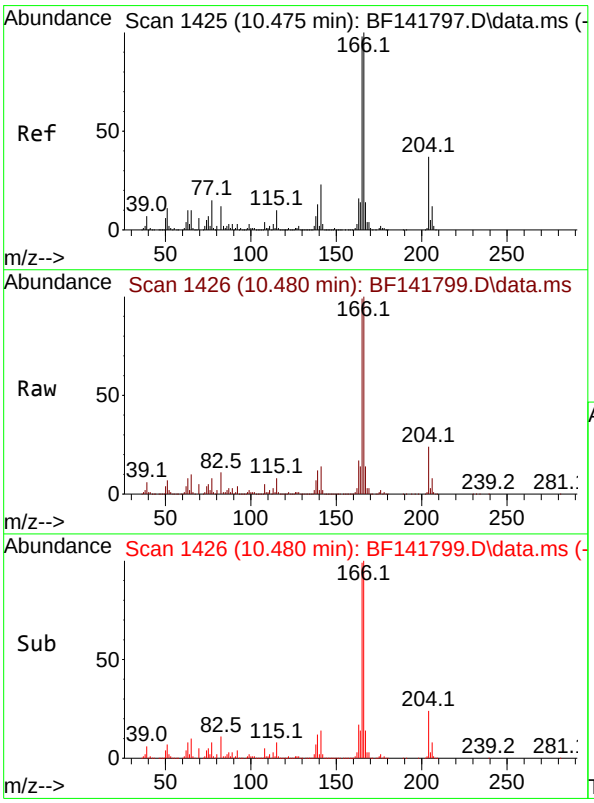
#57
2,4-Dinitrotoluene
Concen: 61.246 ng
RT: 10.116 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 601539

Ion	Ratio	Lower	Upper
165	100		
63	50.5	38.8	58.2
89	78.7	62.6	94.0
182	2.8	2.2	3.2

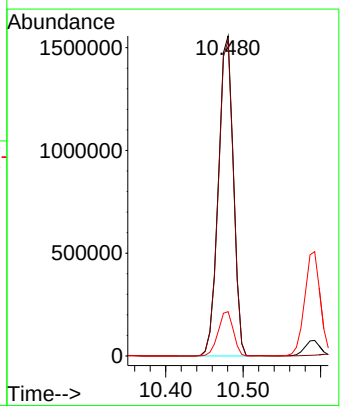


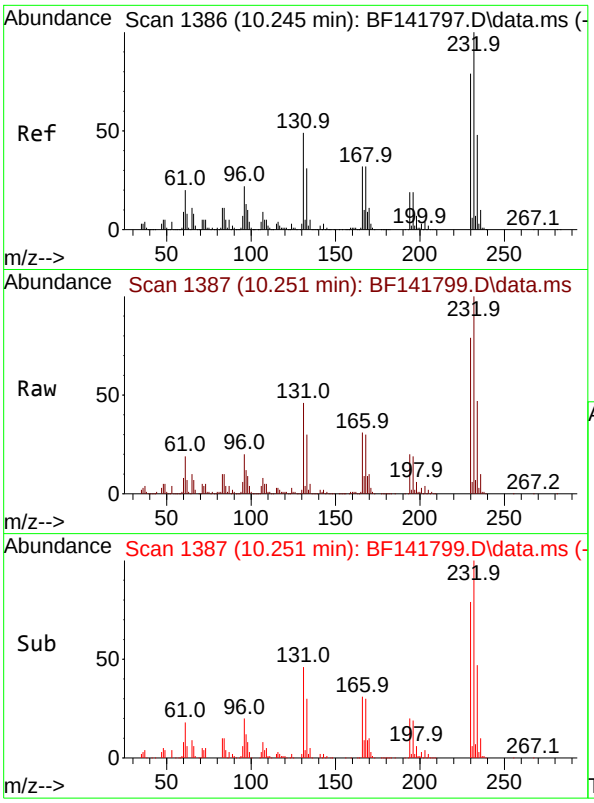


#58
Fluorene
Concen: 54.917 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:166 Resp: 2099887

Ion	Ratio	Lower	Upper
166	100		
165	98.7	78.6	117.8
167	13.9	11.0	16.4



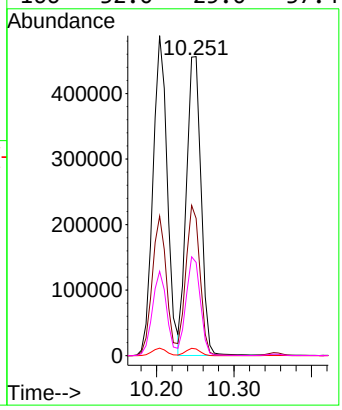


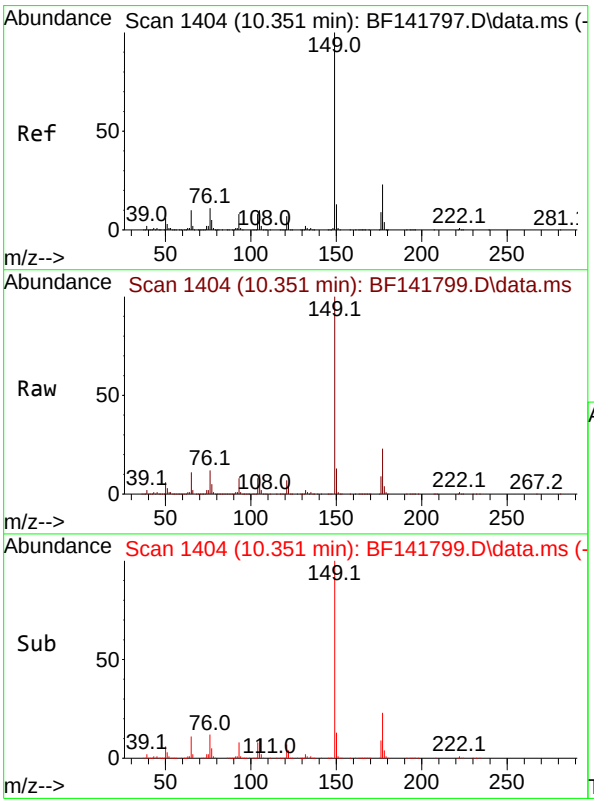
#59
2,3,4,6-Tetrachlorophenol
Concen: 60.159 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 596455

Ion	Ratio	Lower	Upper
232	100		
131	47.9	37.8	56.8
130	2.4	2.0	3.0
166	32.0	25.0	37.4

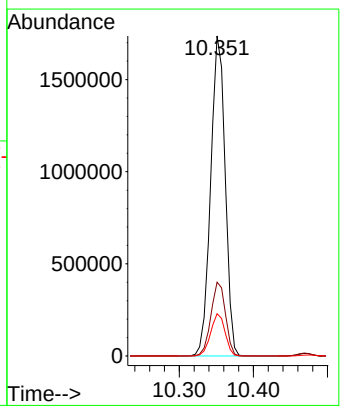


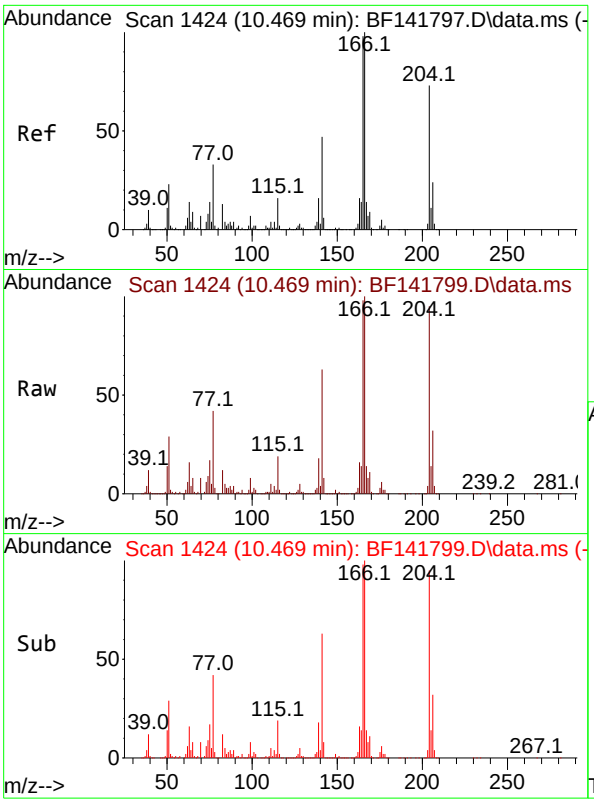


#60
Diethylphthalate
Concen: 56.972 ng
RT: 10.351 min Scan# 1404
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:149 Resp: 2360216

Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.3	27.5
150	13.2	10.3	15.5



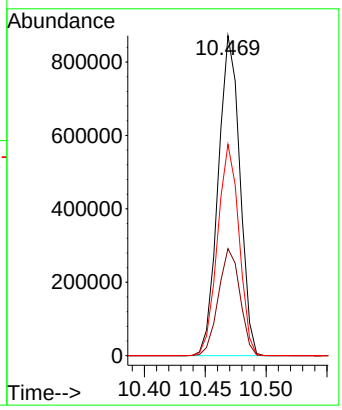


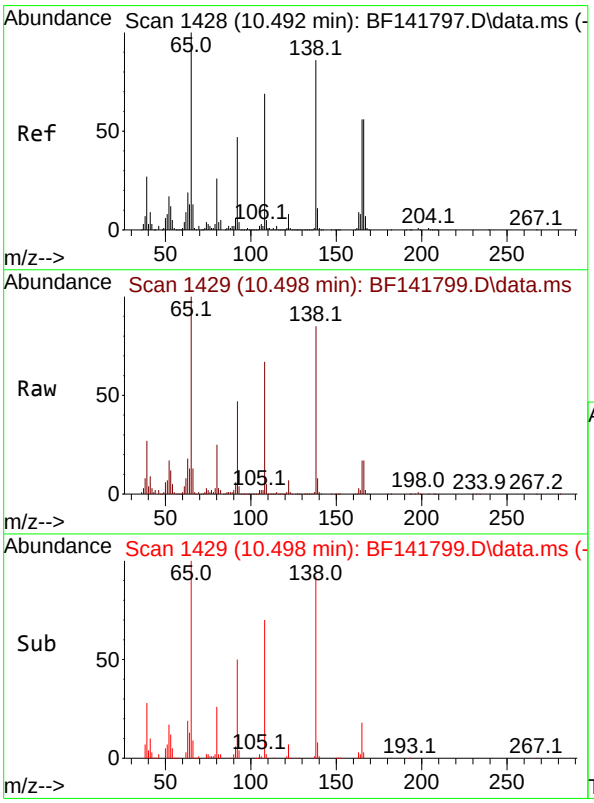
#61
4-Chlorophenyl-phenylether
Concen: 56.324 ng
RT: 10.469 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 1079059

Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.2	39.4
141	66.0	51.7	77.5

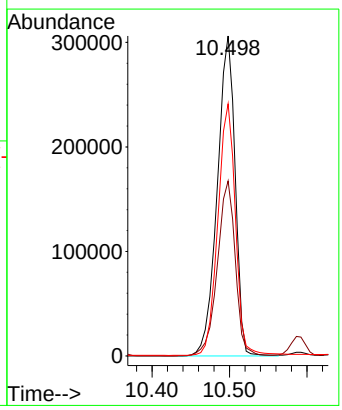


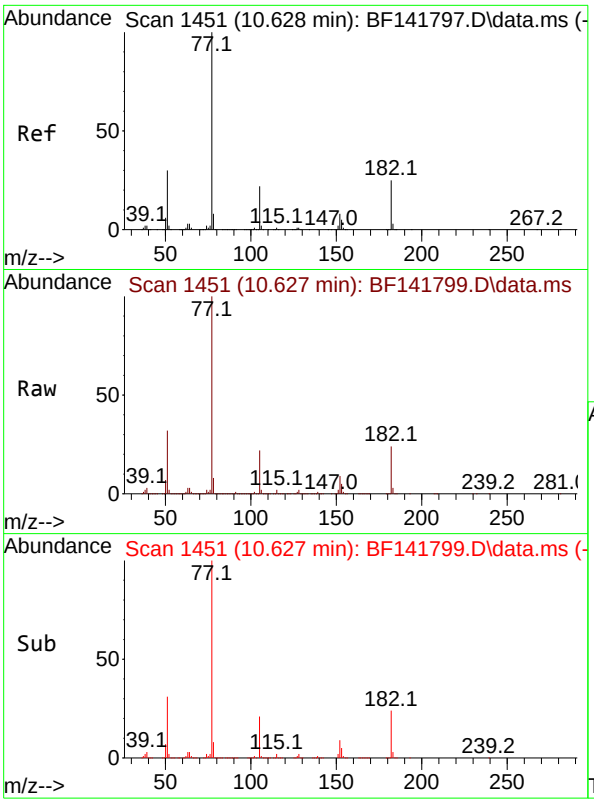


#62
4-Nitroaniline
Concen: 69.546 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:138 Resp: 490806

Ion	Ratio	Lower	Upper
138	100		
92	54.7	34.9	74.9
108	78.8	59.6	99.6



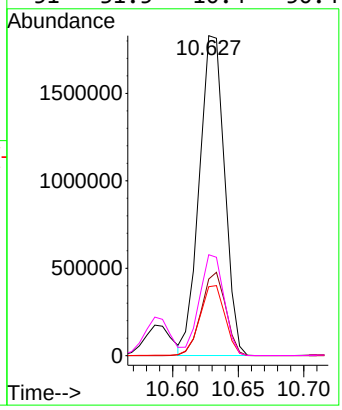


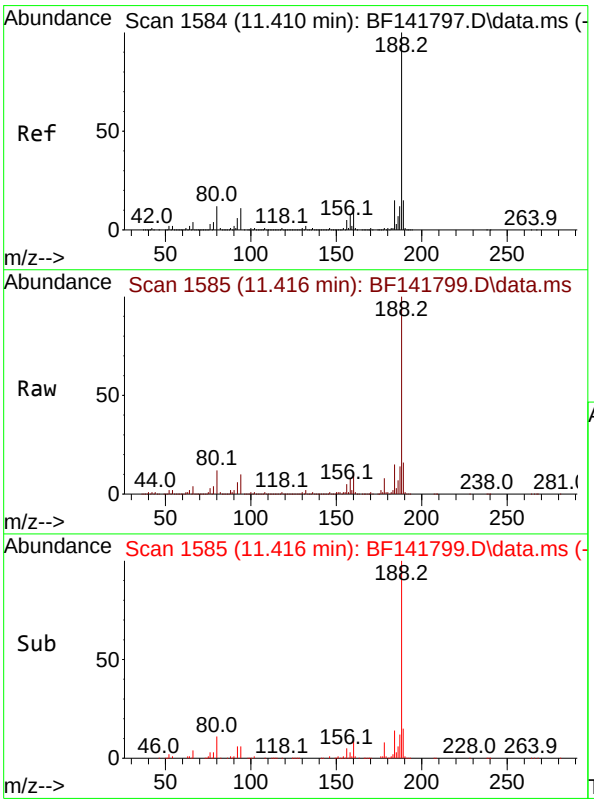
#63
Azobenzene
Concen: 56.242 ng
RT: 10.627 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 2453259

Ion	Ratio	Lower	Upper
77	100		
182	23.9	4.2	44.2
105	21.5	1.5	41.5
51	31.5	10.4	50.4

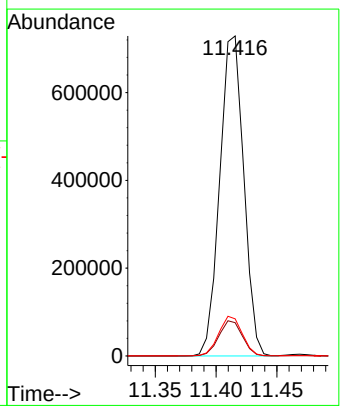


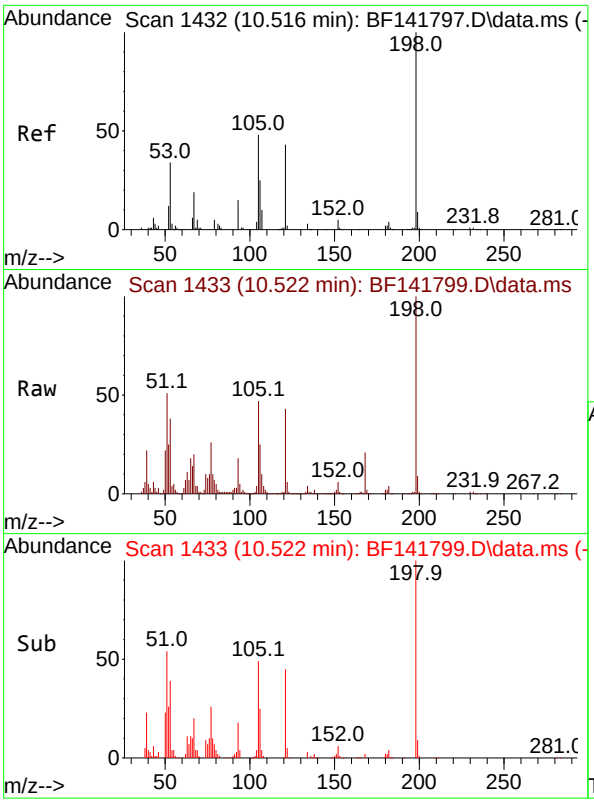


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:188 Resp: 999271

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.9	13.3
80	11.6	9.7	14.5



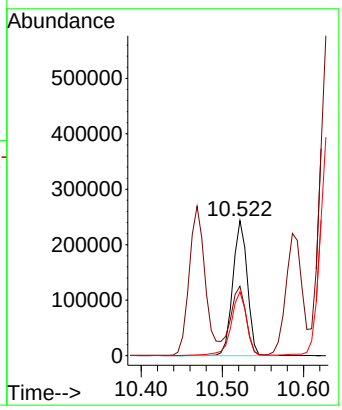


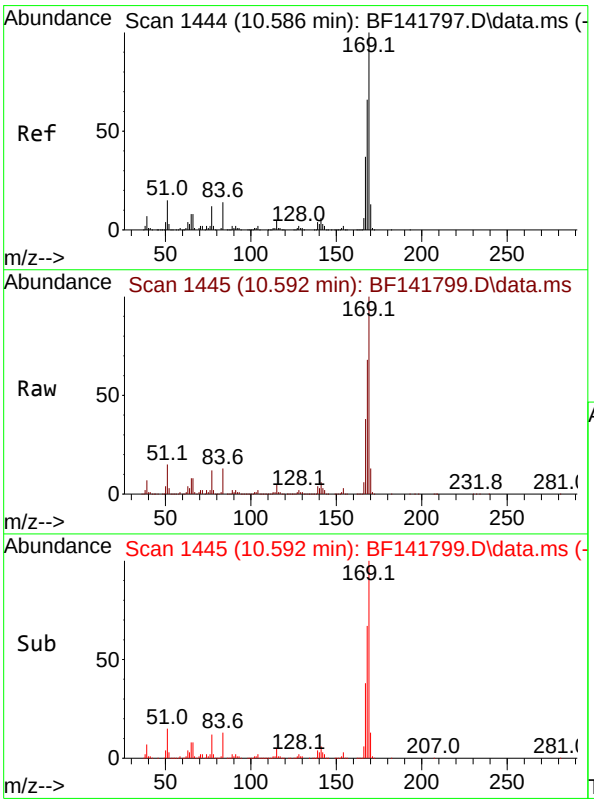
#65
4,6-Dinitro-2-methylphenol
Concen: 61.255 ng
RT: 10.522 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 300954

Ion	Ratio	Lower	Upper
198	100		
51	51.4	32.1	72.1
105	47.2	28.5	68.5

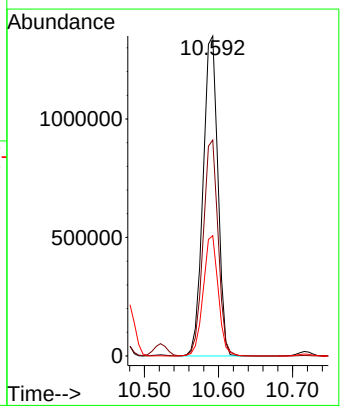


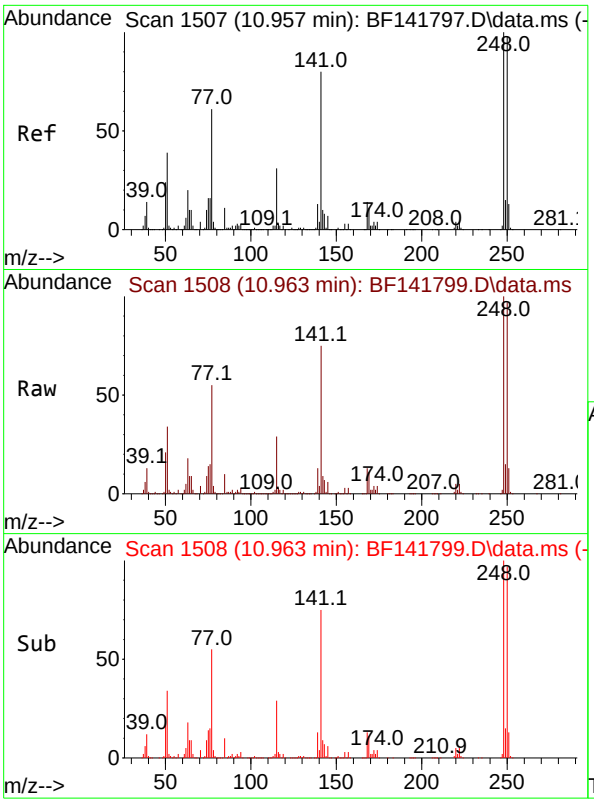


#66
n-Nitrosodiphenylamine
Concen: 56.913 ng
RT: 10.592 min Scan# 1445
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:169 Resp: 1867463

Ion	Ratio	Lower	Upper
169	100		
168	67.5	53.0	79.6
167	37.6	29.3	43.9



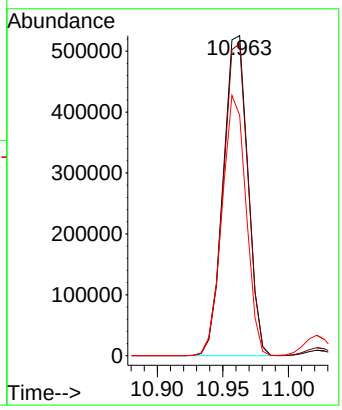


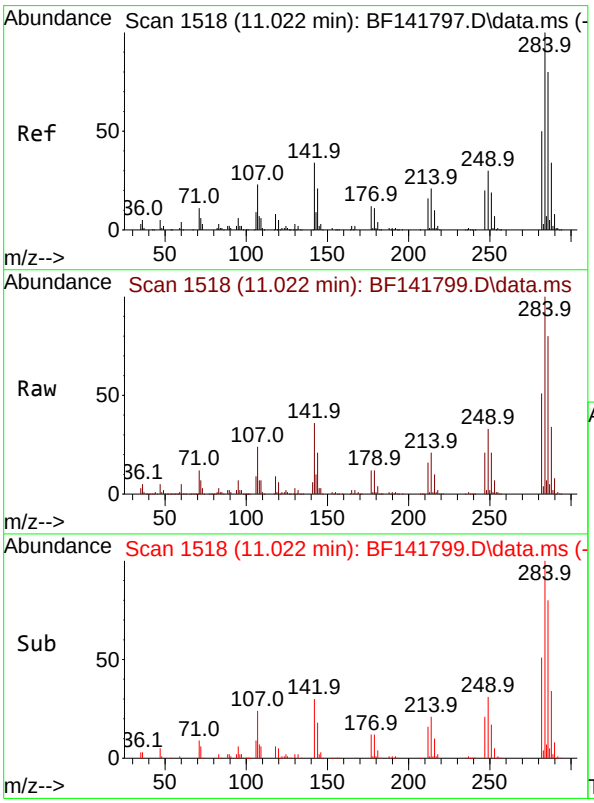
#67
4-Bromophenyl-phenylether
Concen: 59.012 ng
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 688777

Ion	Ratio	Lower	Upper
248	100		
250	97.5	78.1	117.1
141	75.2	64.3	96.5

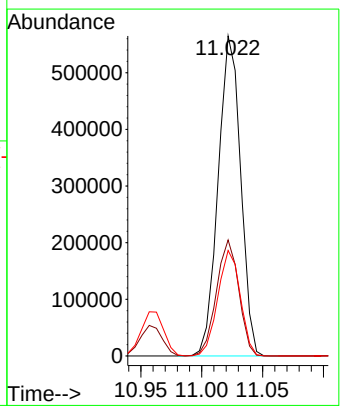


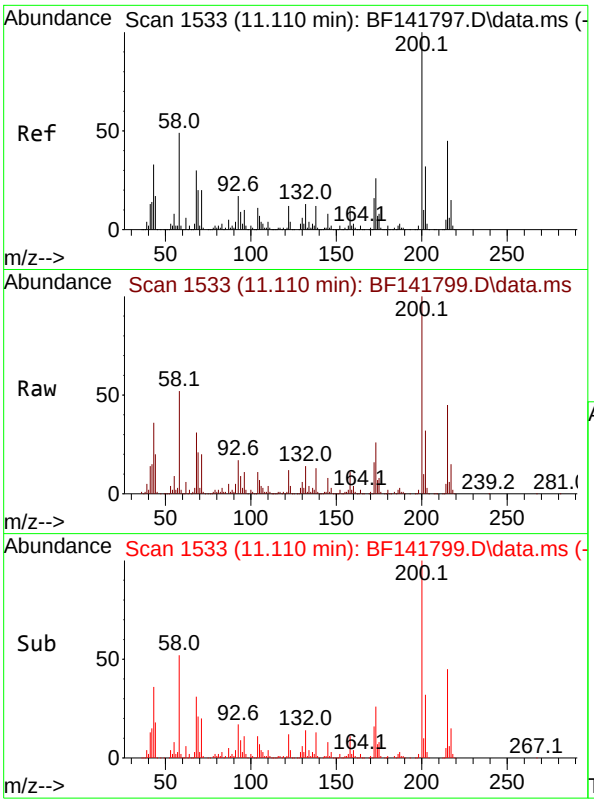


#68
Hexachlorobenzene
Concen: 58.945 ng
RT: 11.022 min Scan# 1518
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:284 Resp: 726507

Ion	Ratio	Lower	Upper
284	100		
142	36.3	28.2	42.2
249	33.0	25.5	38.3



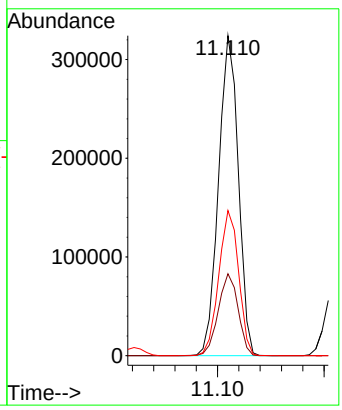


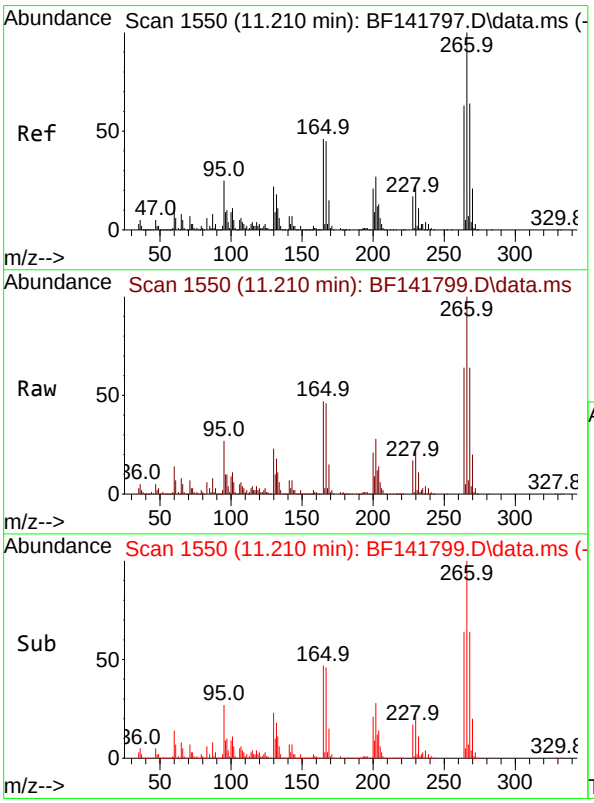
#69
Atrazine
Concen: 46.200 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 416878

Ion	Ratio	Lower	Upper
200	100		
173	25.6	5.6	45.6
215	45.3	25.3	65.3

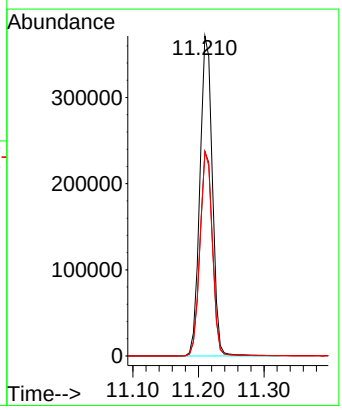


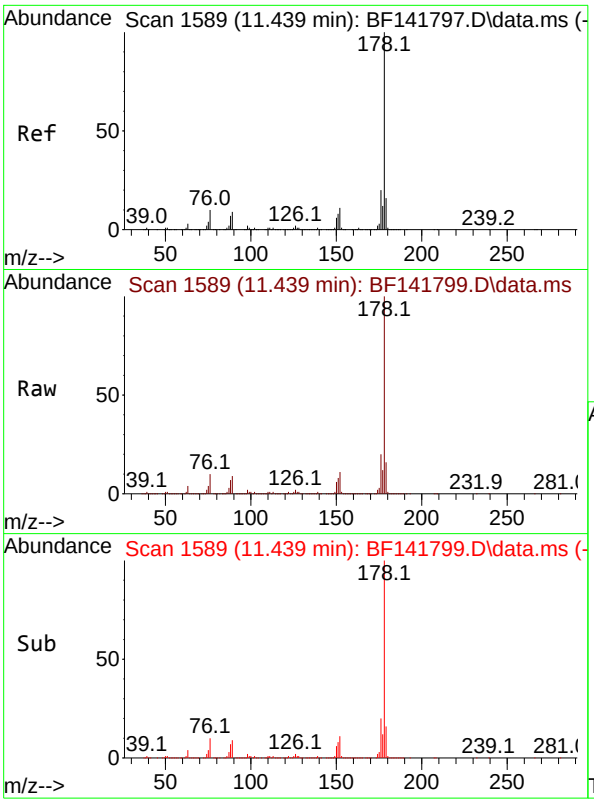


#70
Pentachlorophenol
Concen: 62.968 ng
RT: 11.210 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:266 Resp: 492228

Ion	Ratio	Lower	Upper
266	100		
268	63.9	50.9	76.3
264	63.8	50.2	75.4



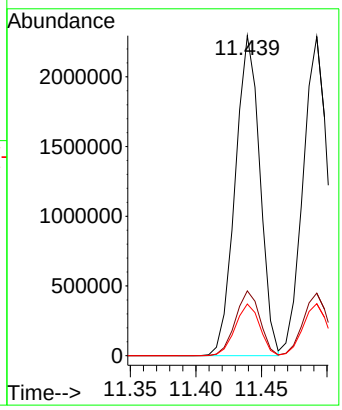


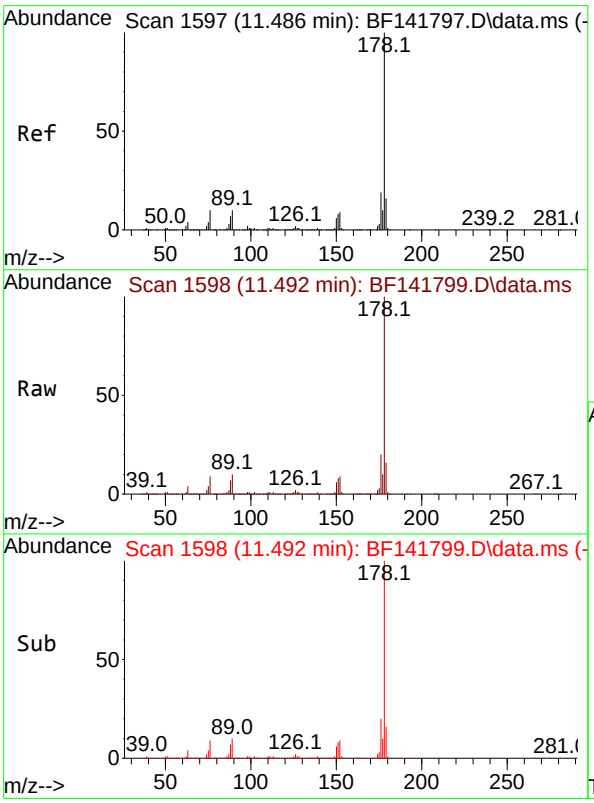
#71
Phenanthrene
Concen: 56.165 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 3002094

Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.0	24.0
179	16.2	12.6	19.0

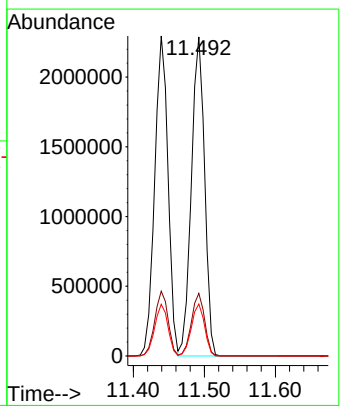


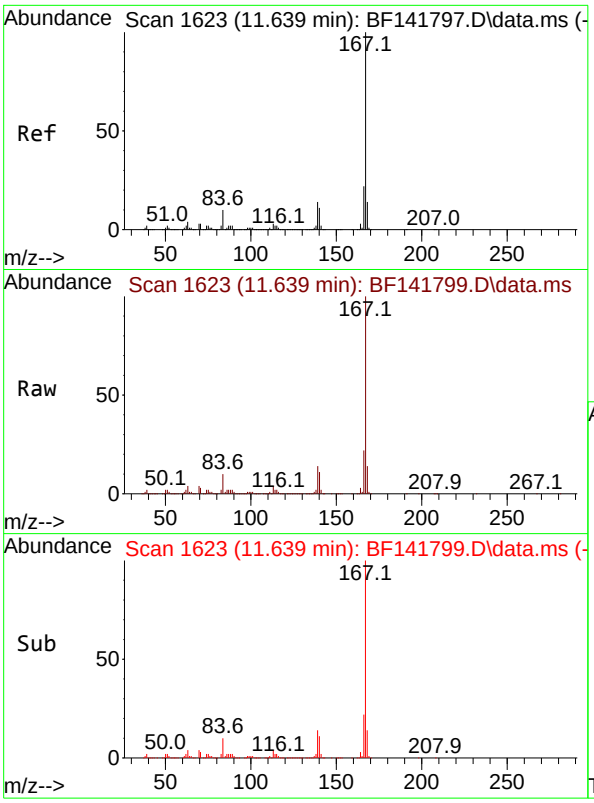


#72
Anthracene
Concen: 55.373 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:178 Resp: 2966353

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.0
179	16.3	12.8	19.2



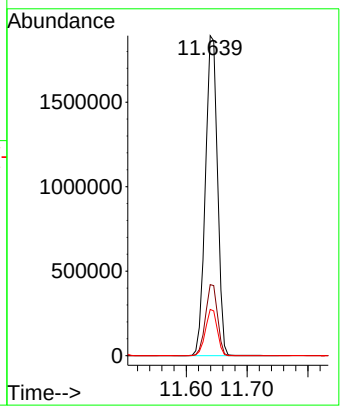


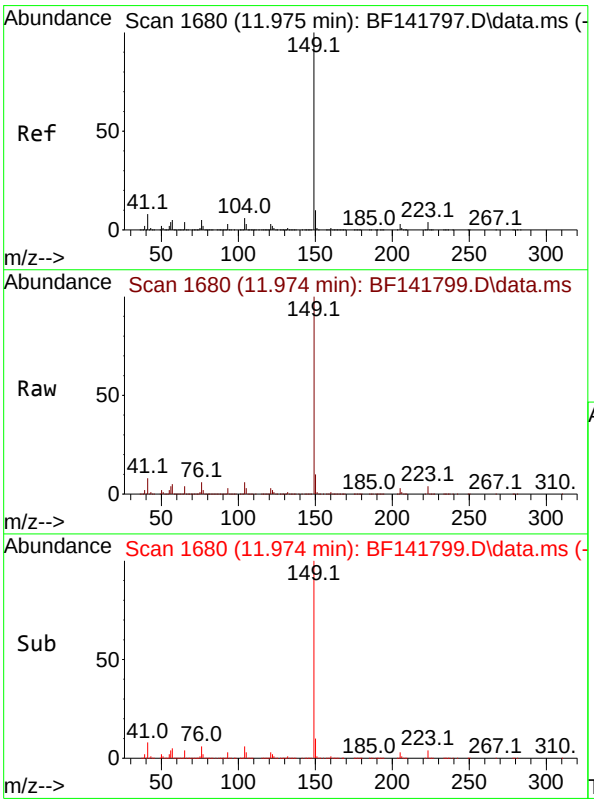
#73
Carbazole
Concen: 55.217 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 2612132

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.5	26.3
139	14.5	11.3	16.9

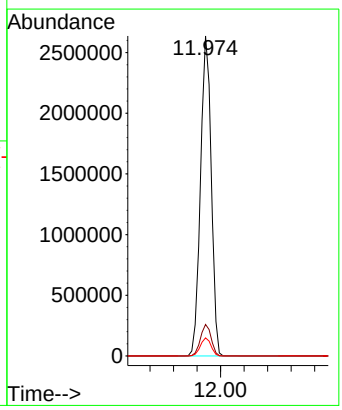


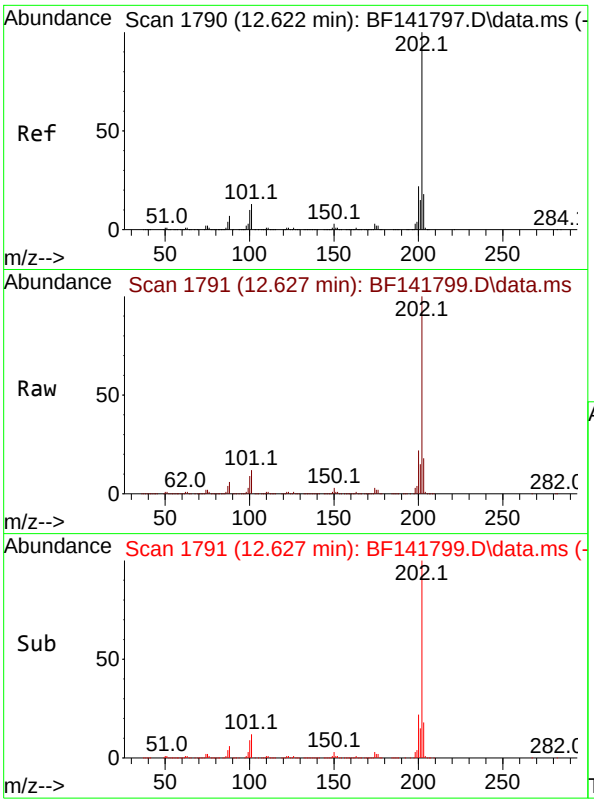


#74
Di-n-butylphthalate
Concen: 55.675 ng
RT: 11.974 min Scan# 1680
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:149 Resp: 3338525

Ion	Ratio	Lower	Upper
149	100		
150	9.9	7.7	11.5
104	5.7	4.4	6.6



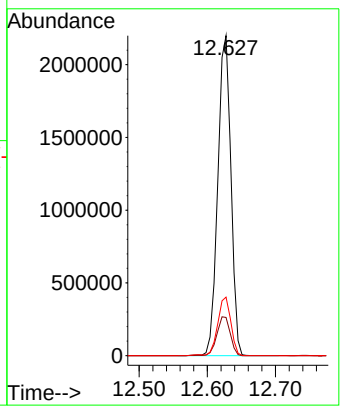


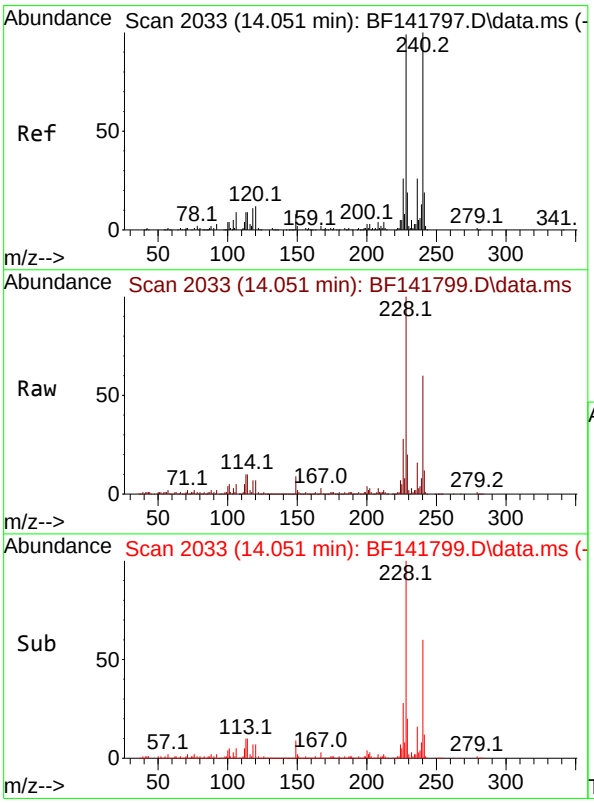
#75
Fluoranthene
Concen: 53.680 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 2940034

Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	32.8
203	18.3	0.0	38.0

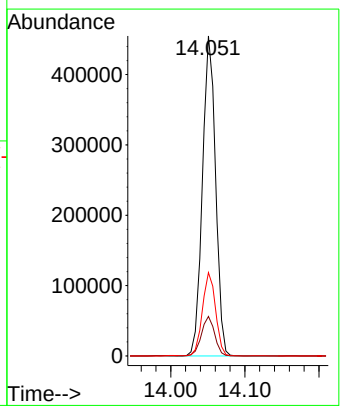


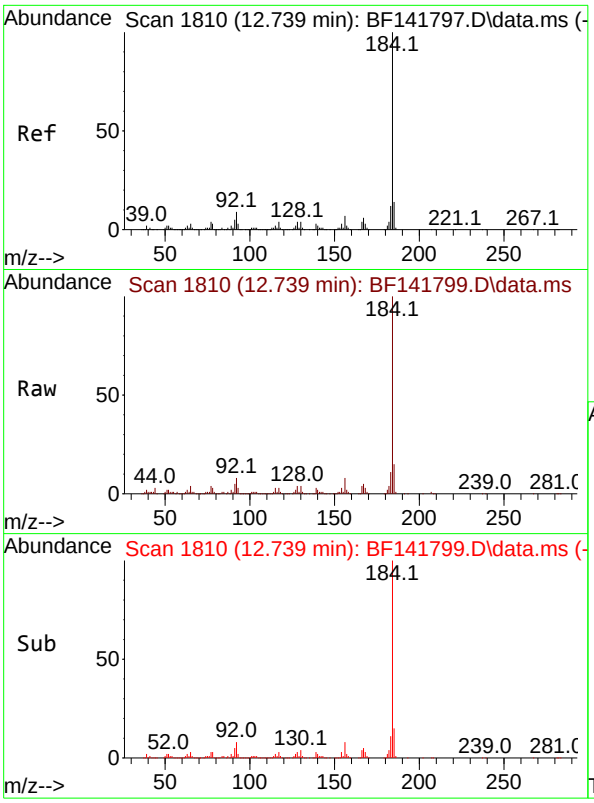


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:240 Resp: 562939

Ion	Ratio	Lower	Upper
240	100		
120	12.4	9.7	14.5
236	26.0	21.0	31.4



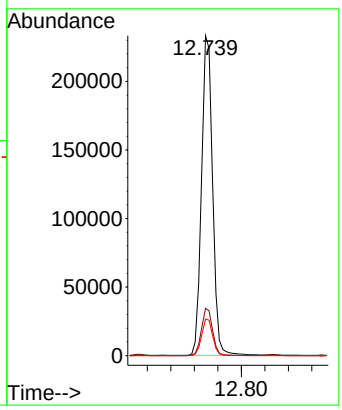


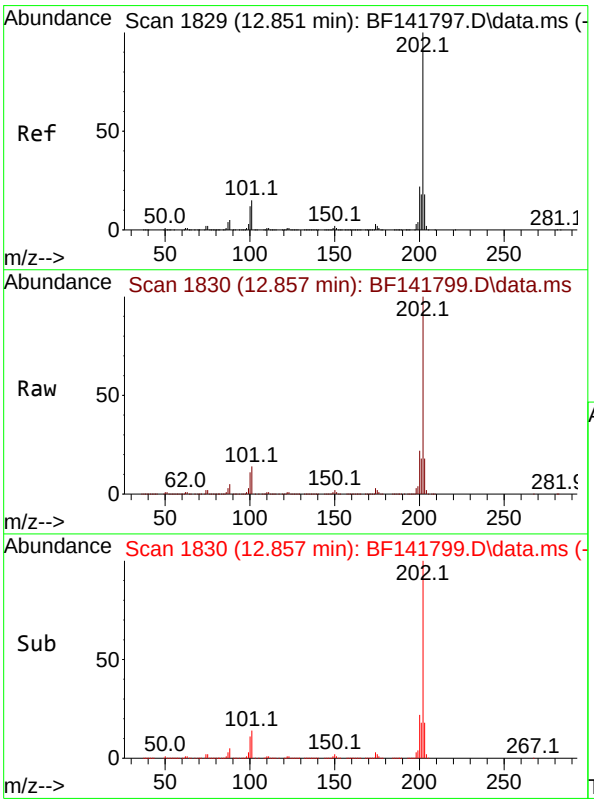
#77
Benzidine
Concen: 43.207 ng
RT: 12.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 306135

Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.6	17.4
183	11.4	9.4	14.0

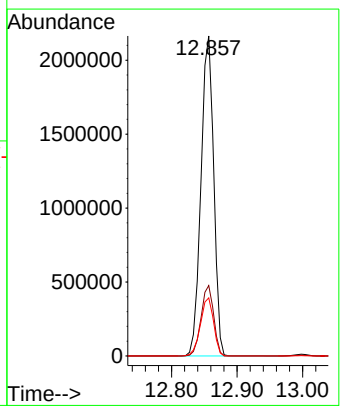


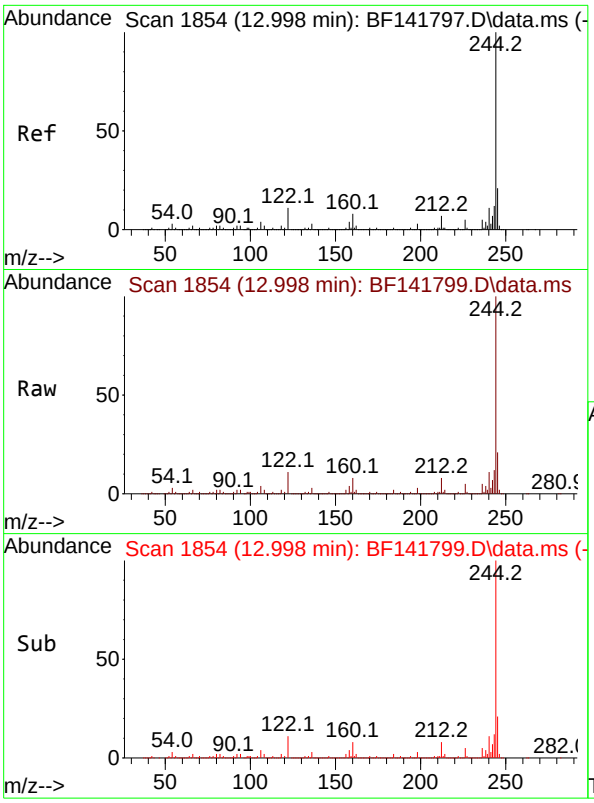


#78
Pyrene
Concen: 60.064 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:202 Resp: 2927964

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.4	26.0
203	18.2	14.6	22.0



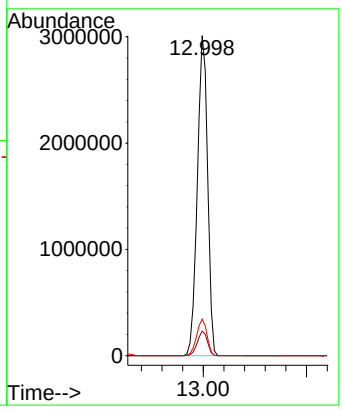


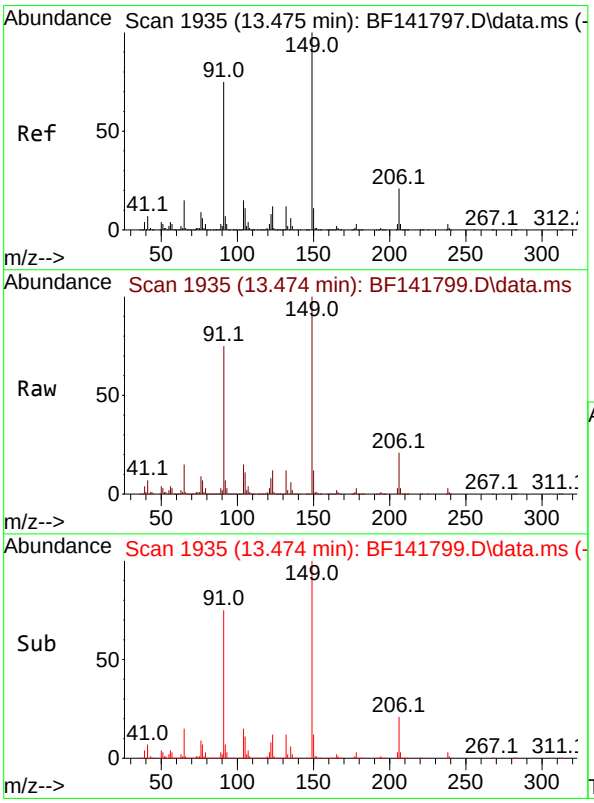
#79
Terphenyl-d14
Concen: 119.098 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 4143891

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.0	9.0
122	11.5	9.0	13.6

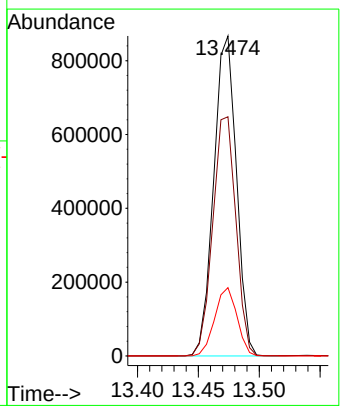


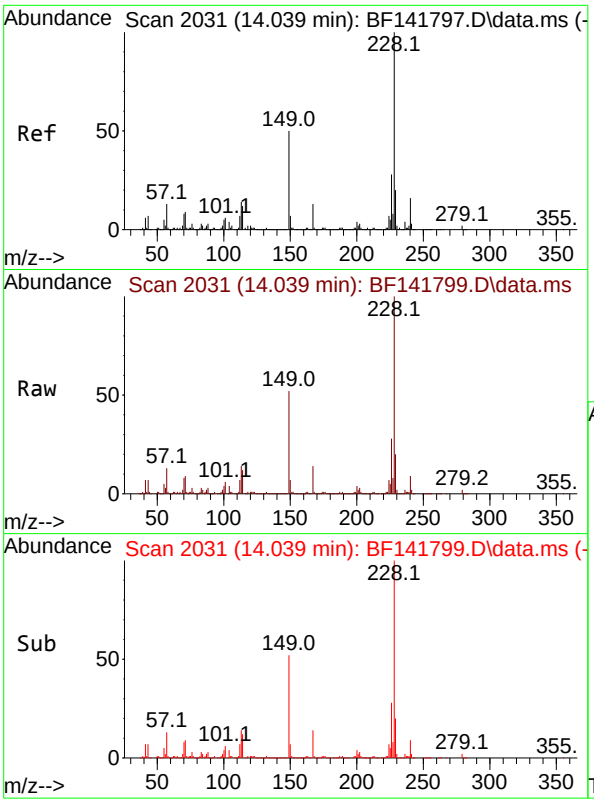


#80
Butylbenzylphthalate
Concen: 63.605 ng
RT: 13.474 min Scan# 1935
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:149 Resp: 1126511

Ion	Ratio	Lower	Upper
149	100		
91	74.8	60.1	90.1
206	21.3	16.8	25.2



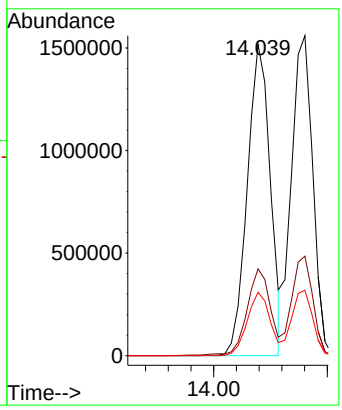


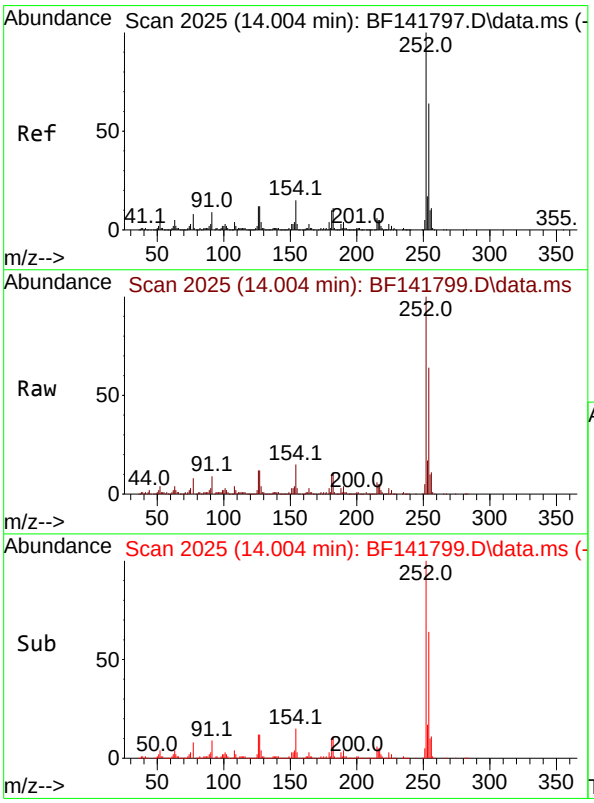
#81
Benzo(a)anthracene
Concen: 57.309 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 2130928

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.1	33.1
229	20.4	16.1	24.1

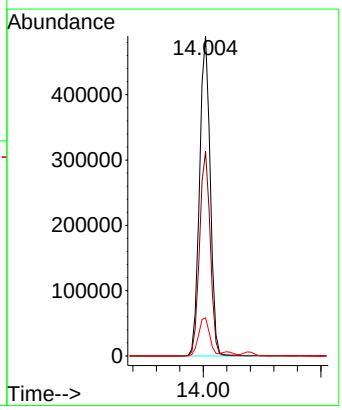


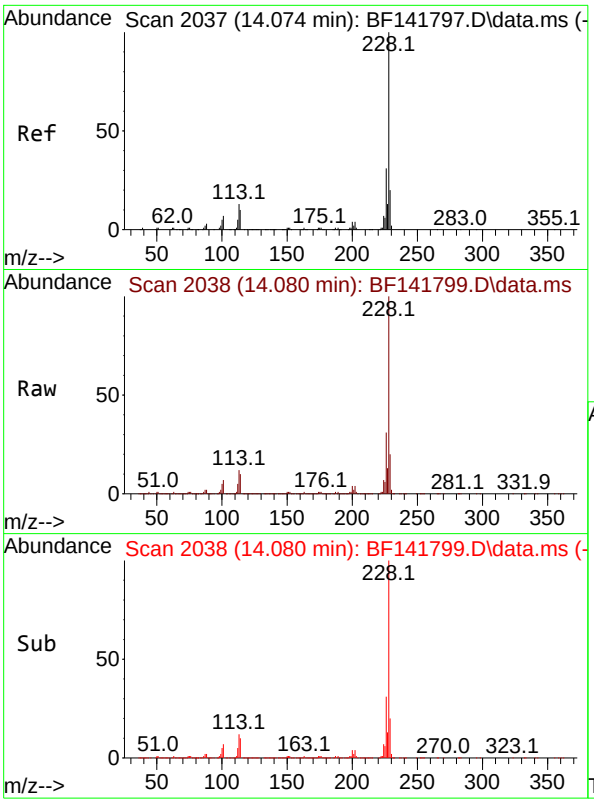


#82
3,3'-Dichlorobenzidine
Concen: 57.639 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:252 Resp: 614898

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.4	77.0
126	11.9	9.8	14.6



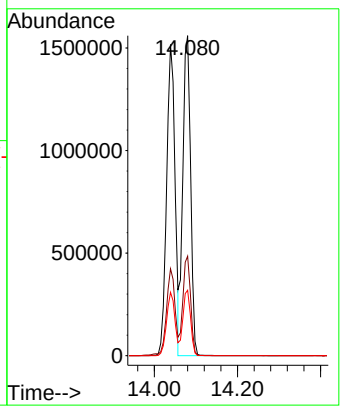


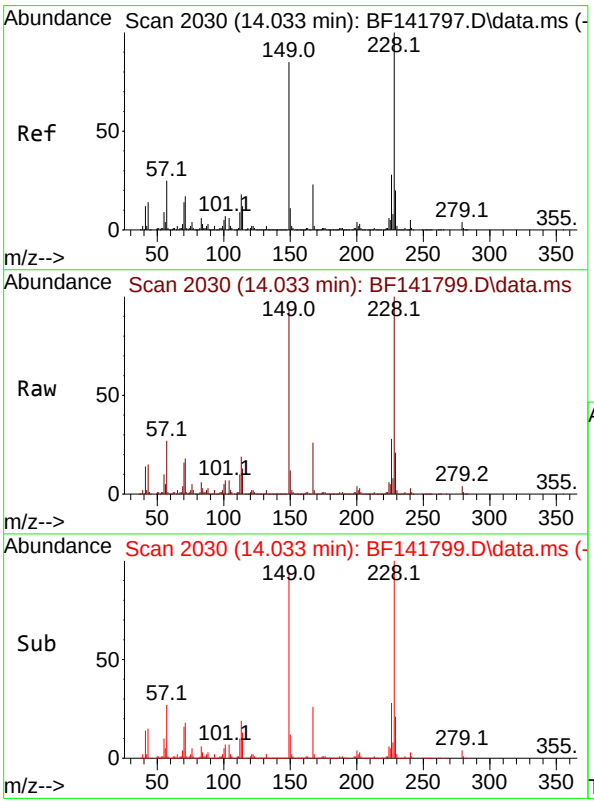
#83
Chrysene
Concen: 59.545 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 2040957

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.6	37.0
229	20.4	16.1	24.1

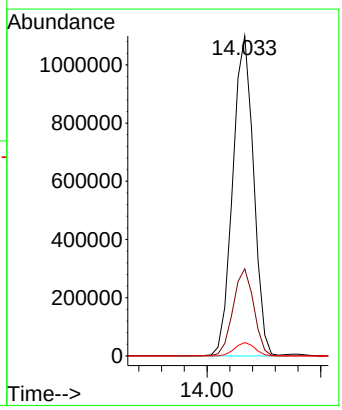


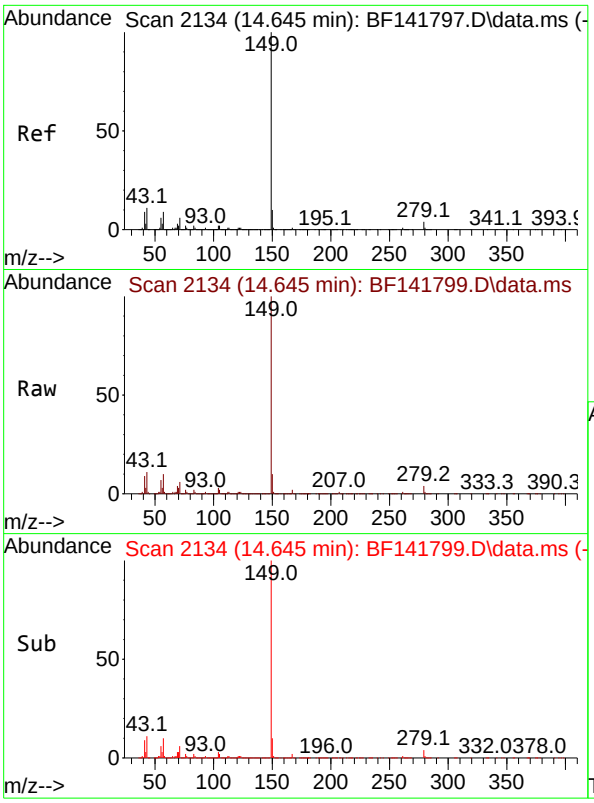


#84
Bis(2-ethylhexyl)phthalate
Concen: 63.421 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:149 Resp: 1398602

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.2	31.8
279	4.2	3.3	4.9



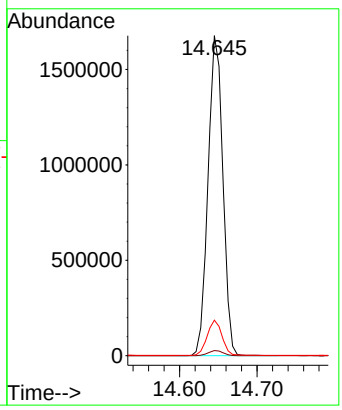


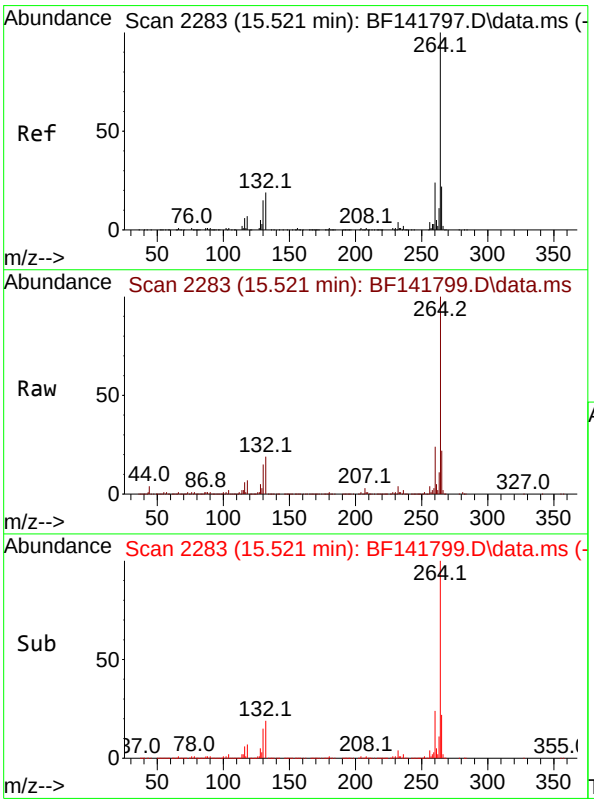
#85
Di-n-octyl phthalate
Concen: 67.411 ng
RT: 14.645 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 2225625

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.0	8.6	12.8

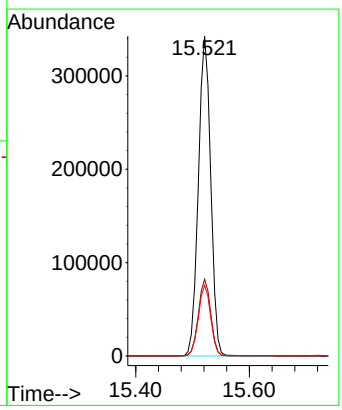


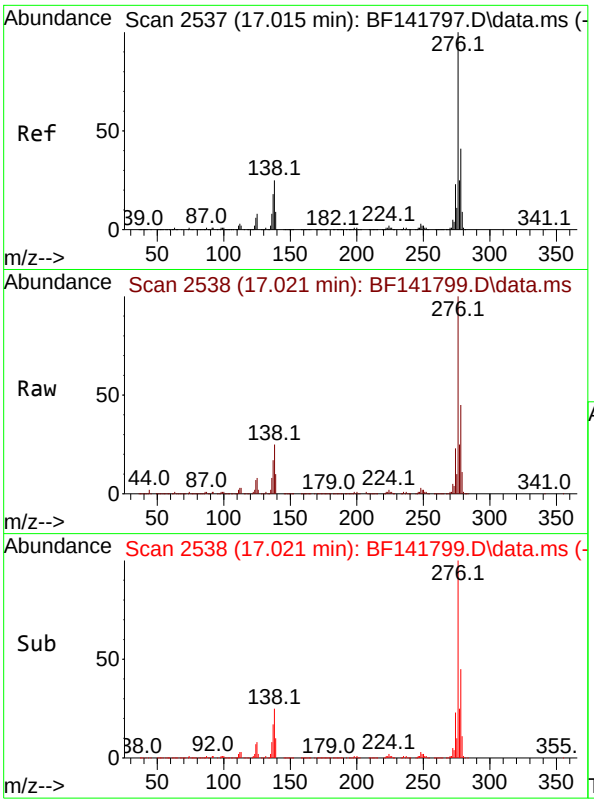


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:264 Resp: 517191

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.9	28.3
265	22.1	17.4	26.0



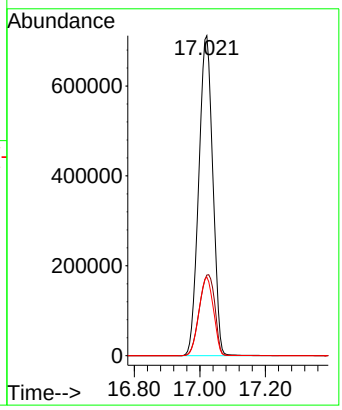


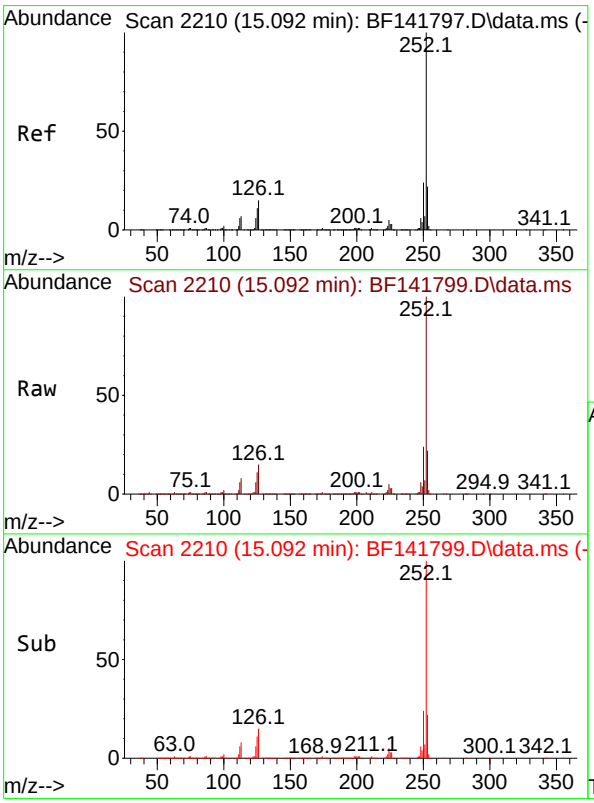
#87
Indeno(1,2,3-cd)pyrene
Concen: 64.589 ng
RT: 17.021 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 2127125

Ion	Ratio	Lower	Upper
276	100		
138	28.0	22.5	33.7
277	25.4	20.3	30.5

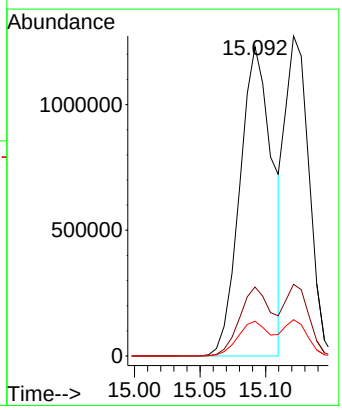


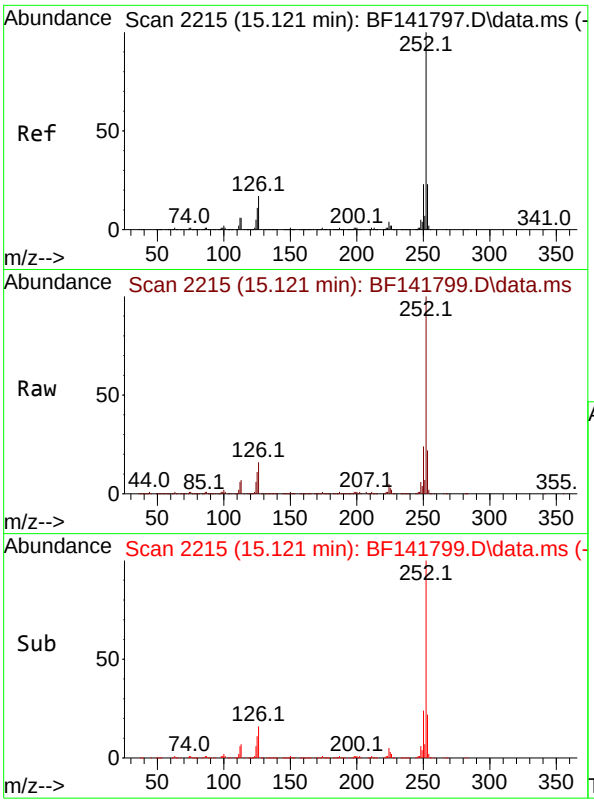


#88
Benzo(b)fluoranthene
Concen: 60.349 ng
RT: 15.092 min Scan# 2210
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:252 Resp: 2126076

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	11.2	8.6	13.0



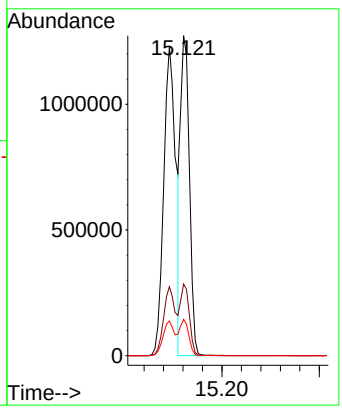


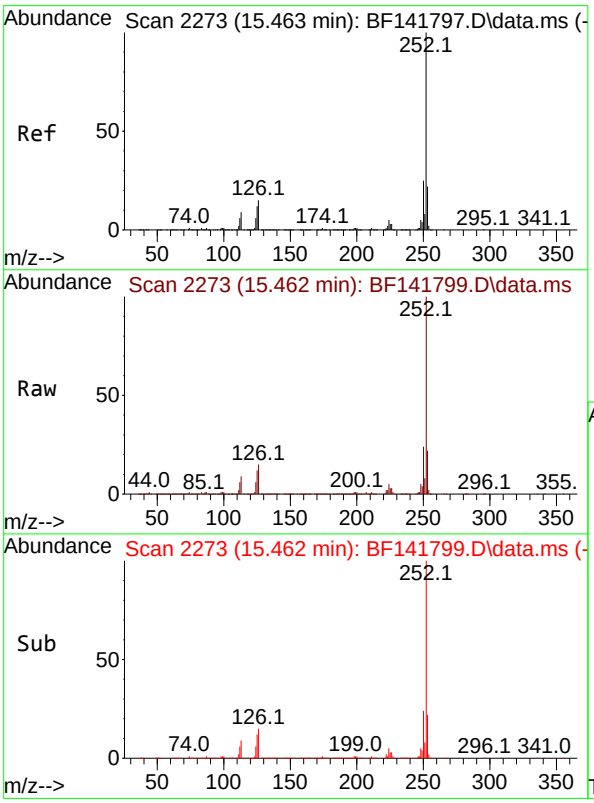
#89
Benzo(k)fluoranthene
Concen: 53.909 ng
RT: 15.121 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 1614240

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	11.4	8.8	13.2

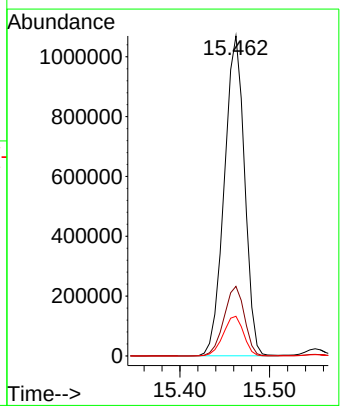


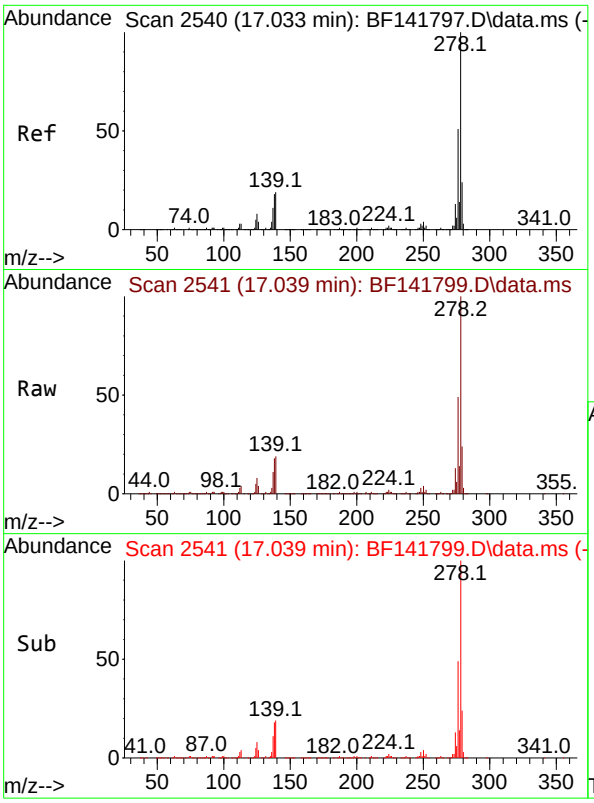


#90
Benzo(a)pyrene
Concen: 59.327 ng
RT: 15.462 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:252 Resp: 1676196

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	12.4	9.4	14.2



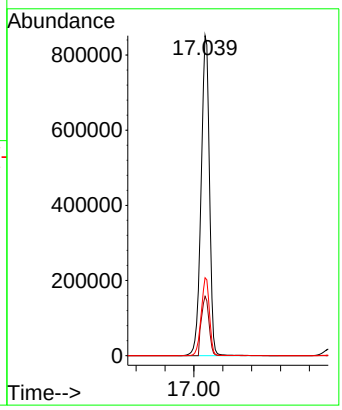


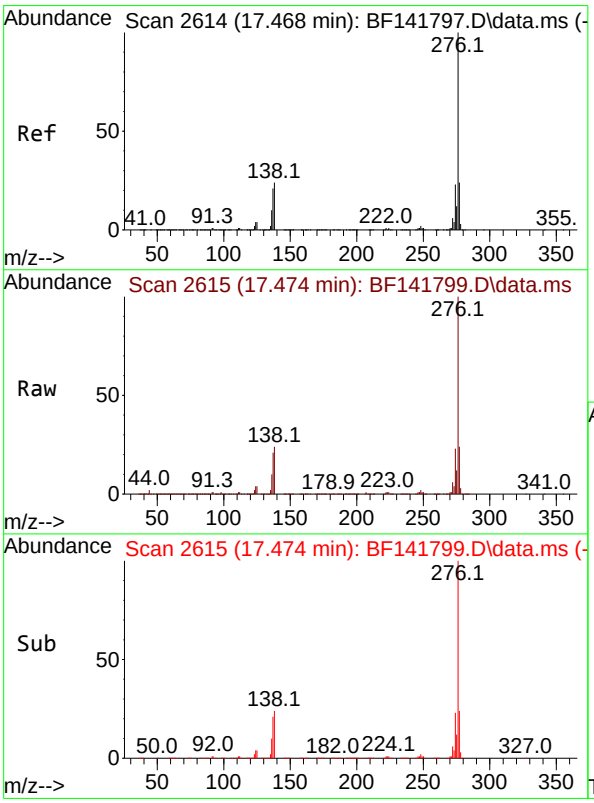
#91
Dibenzo(a,h)anthracene
Concen: 63.544 ng
RT: 17.039 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 1708189

Ion	Ratio	Lower	Upper
278	100		
139	18.5	14.9	22.3
279	24.4	19.3	28.9

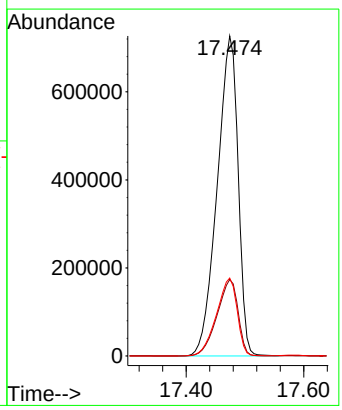




#92
Benzo(g,h,i)perylene
Concen: 65.105 ng
RT: 17.474 min Scan# 2615
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:276 Resp: 1792957

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.4	29.0
138	24.3	19.3	28.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141800.D
Acq On : 27 Feb 2025 18:45
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 28 01:28:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.892	152	288826	20.000	ng		0.00
21) Naphthalene-d8	8.175	136	1114934	20.000	ng		0.00
39) Acenaphthene-d10	9.927	164	596680	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	953117	20.000	ng		0.00
76) Chrysene-d12	14.051	240	523206	20.000	ng		0.00
86) Perylene-d12	15.521	264	508610	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	2612441	144.448	ng		0.00
7) Phenol-d6	6.522	99	3411771	144.934	ng		0.01
23) Nitrobenzene-d5	7.463	82	3027619	173.576	ng		0.01
42) 2,4,6-Tribromophenol	10.722	330	924112	164.969	ng		0.00
45) 2-Fluorobiphenyl	9.251	172	5006600	134.541	ng		0.00
79) Terphenyl-d14	13.004	244	4843134	149.765	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.675	88	624874	76.145	ng		100
3) Pyridine	3.446	79	1560139	76.409	ng		99
4) n-Nitrosodimethylamine	3.410	42	788941	80.304	ng		98
6) Aniline	6.551	93	1743358m	71.624	ng		
8) 2-Chlorophenol	6.681	128	1409554	72.047	ng		99
9) Benzaldehyde	6.445	77	801799	58.556	ng		100
10) Phenol	6.539	94	1807328m	72.063	ng		
11) bis(2-Chloroethyl)ether	6.634	93	1461868	76.240	ng		96
12) 1,3-Dichlorobenzene	6.834	146	1510694	72.103	ng		99
13) 1,4-Dichlorobenzene	6.910	146	1522041	72.097	ng		99
14) 1,2-Dichlorobenzene	7.069	146	1370457	69.519	ng		99
15) Benzyl Alcohol	7.034	79	1363091	72.454	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.169	45	2095843	71.973	ng		98
17) 2-Methylphenol	7.139	107	1211432	75.016	ng		99
18) Hexachloroethane	7.404	117	593057	75.056	ng		98
19) n-Nitroso-di-n-propyla...	7.322	70	1126427	72.793	ng		98
20) 3+4-Methylphenols	7.298	107	1383814	68.816	ng	#	88
22) Acetophenone	7.310	105	1933636	71.209	ng		99
24) Nitrobenzene	7.481	77	1579955	84.587	ng		100
25) Isophorone	7.722	82	2894041	77.230	ng		100
26) 2-Nitrophenol	7.792	139	705125	81.046	ng		100
27) 2,4-Dimethylphenol	7.822	122	1051076	76.304	ng		99
28) bis(2-Chloroethoxy)met...	7.928	93	1759255	73.596	ng		99
29) 2,4-Dichlorophenol	8.028	162	1227409	77.239	ng		99
30) 1,2,4-Trichlorobenzene	8.116	180	1304033	74.888	ng		99
31) Naphthalene	8.198	128	4040110	70.504	ng		99
32) Benzoic acid	7.975	122	1008619	81.363	ng		99
33) 4-Chloroaniline	8.251	127	1607098	76.489	ng		100
34) Hexachlorobutadiene	8.316	225	836069	77.265	ng		99
35) Caprolactam	8.639	113	383145	78.359	ng		99
36) 4-Chloro-3-methylphenol	8.722	107	1349234	76.431	ng		99
37) 2-Methylnaphthalene	8.886	142	2637302	70.167	ng		99
38) 1-Methylnaphthalene	8.986	142	2541019	70.457	ng		99
40) 1,2,4,5-Tetrachloroben...	9.051	216	1288540	74.773	ng		99
41) Hexachlorocyclopentadiene	9.039	237	564266	78.461	ng		99
43) 2,4,6-Trichlorophenol	9.163	196	898797	80.742	ng		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141800.D
Acq On : 27 Feb 2025 18:45
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 28 01:28:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	859610	77.984	ng		99
46) 1,1'-Biphenyl	9.357	154	3156440	69.499	ng		99
47) 2-Chloronaphthalene	9.380	162	2401468	71.641	ng		98
48) 2-Nitroaniline	9.469	65	770567	80.727	ng		99
49) Acenaphthylene	9.792	152	3512076	69.880	ng		99
50) Dimethylphthalate	9.663	163	2921217	73.107	ng		100
51) 2,6-Dinitrotoluene	9.716	165	622623	79.481	ng		100
52) Acenaphthene	9.969	154	2480302	73.139	ng		100
53) 3-Nitroaniline	9.886	138	667119	79.835	ng		97
54) 2,4-Dinitrophenol	9.986	184	277943	79.409	ng	#	1
55) Dibenzofuran	10.139	168	3427897	69.448	ng		98
56) 4-Nitrophenol	10.033	139	541317	91.723	ng		100
57) 2,4-Dinitrotoluene	10.122	165	764012	79.344	ng		97
58) Fluorene	10.480	166	2557382	69.170	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	752913	78.537	ng		99
60) Diethylphthalate	10.357	149	2893471	72.232	ng		99
61) 4-Chlorophenyl-phenyle...	10.469	204	1341441	72.414	ng		99
62) 4-Nitroaniline	10.504	138	611855	89.663	ng		99
63) Azobenzene	10.633	77	3013185	71.441	ng		98
65) 4,6-Dinitro-2-methylph...	10.527	198	393349	80.929	ng		98
66) n-Nitrosodiphenylamine	10.592	169	2313580	73.923	ng		99
67) 4-Bromophenyl-phenylether	10.963	248	852216	76.550	ng		98
68) Hexachlorobenzene	11.027	284	902644	76.782	ng		97
70) Pentachlorophenol	11.216	266	610264	81.849	ng		100
71) Phenanthrene	11.439	178	3584436	70.307	ng		99
72) Anthracene	11.492	178	3550480	69.487	ng		98
73) Carbazole	11.645	167	3130504	69.380	ng		99
74) Di-n-butylphthalate	11.974	149	3944814	68.971	ng		99
75) Fluoranthene	12.627	202	3496011	66.922	ng		99
77) Benzidine	12.745	184	660393	100.283	ng		99
78) Pyrene	12.857	202	3466035	76.502	ng		99
80) Butylbenzylphthalate	13.474	149	1364388	82.887	ng		100
81) Benzo(a)anthracene	14.039	228	2703093	78.217	ng		99
82) 3,3'-Dichlorobenzidine	14.004	252	762858	76.939	ng		100
83) Chrysene	14.080	228	2394861	75.176	ng		99
84) Bis(2-ethylhexyl)phtha...	14.033	149	1730418	84.426	ng		99
85) Di-n-octyl phthalate	14.645	149	2821762	91.958	ng		100
87) Indeno(1,2,3-cd)pyrene	17.027	276	2842850	87.778	ng		99
88) Benzo(b)fluoranthene	15.092	252	2556011	73.777	ng		98
89) Benzo(k)fluoranthene	15.127	252	2184261	74.176	ng		99
90) Benzo(a)pyrene	15.468	252	2156583	77.617	ng		99
91) Dibenzo(a,h)anthracene	17.051	278	2269377	85.844	ng		99
92) Benzo(g,h,i)perylene	17.486	276	2397751	88.534	ng		99

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

ICAL Form

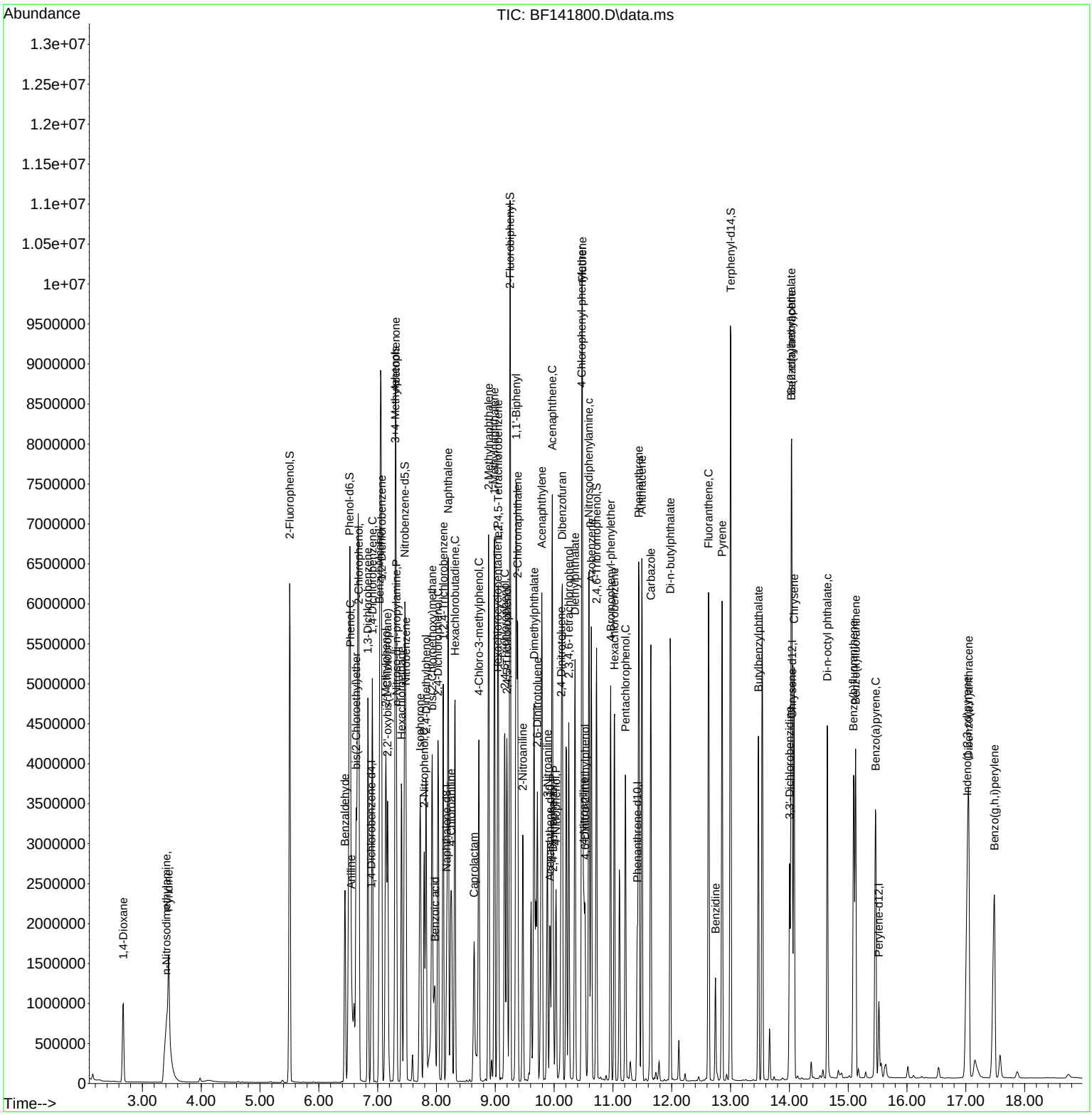
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141800.D
Acq On : 27 Feb 2025 18:45
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

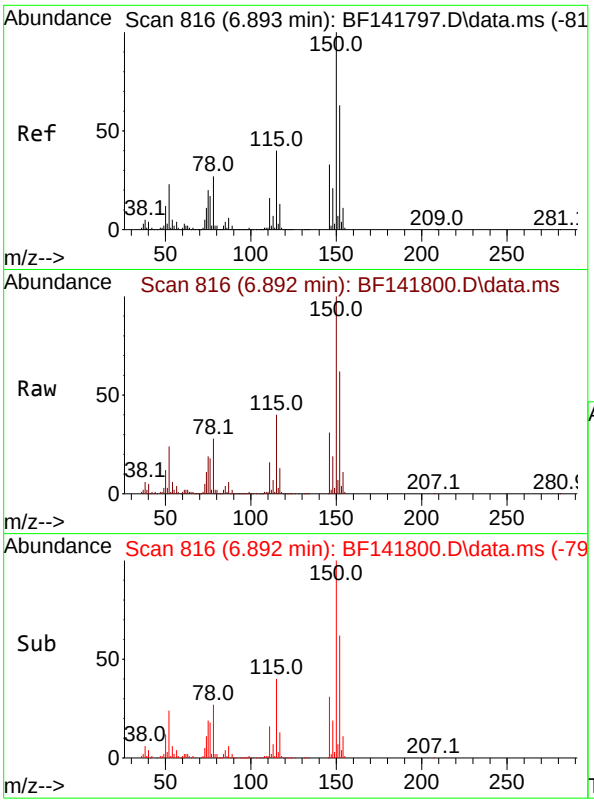
Quant Time: Feb 28 01:28:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

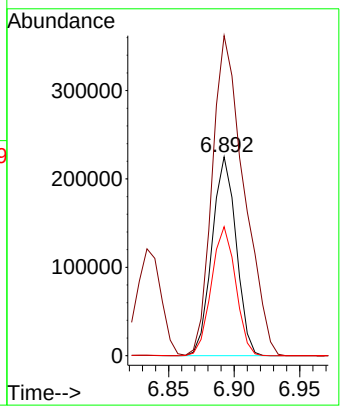




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 8
Delta R.T. -0.001 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:152 Resp: 28882

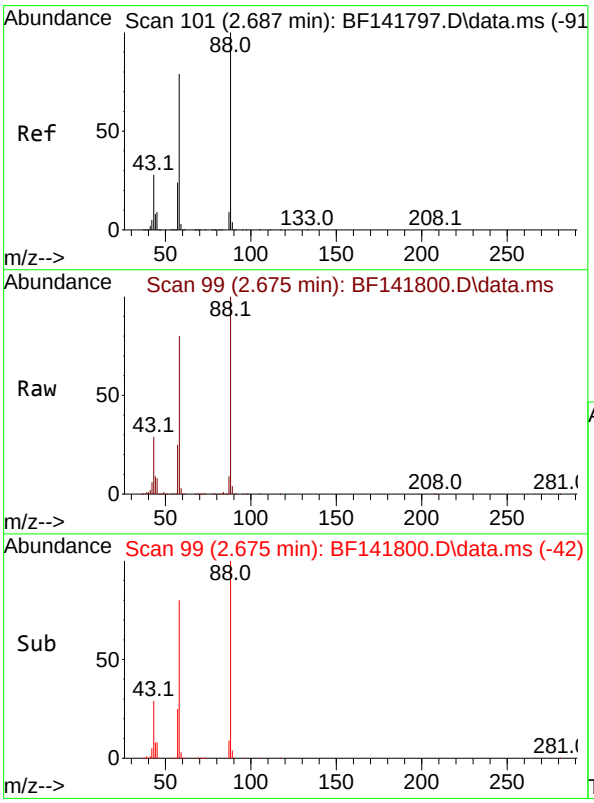
Ion	Ratio	Lower	Upper
152	100		
150	160.9	127.5	191.3
115	64.9	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

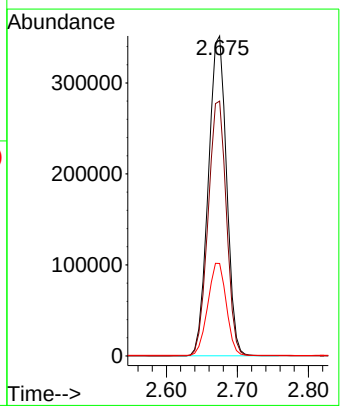
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

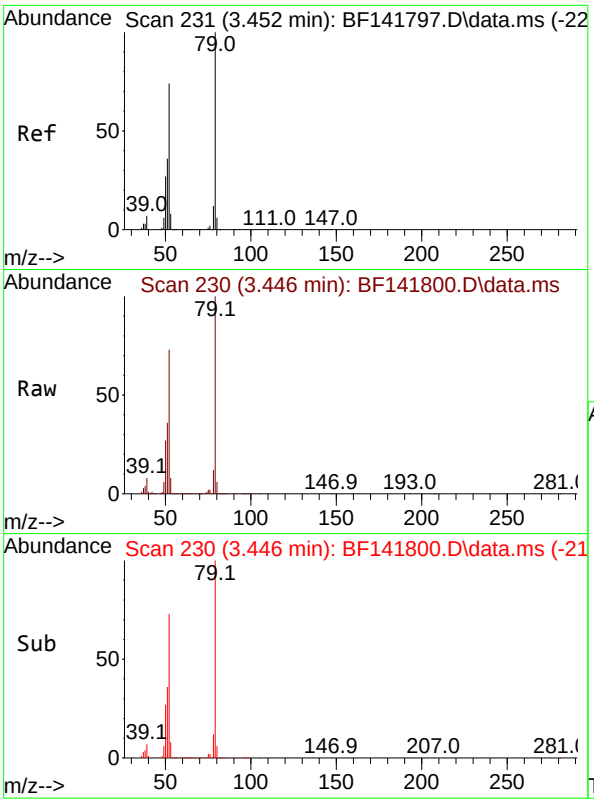


#2
1,4-Dioxane
Concen: 76.145 ng
RT: 2.675 min Scan# 99
Delta R.T. -0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 88 Resp: 624874

Ion	Ratio	Lower	Upper
88	100		
58	80.3	63.9	95.9
43	29.2	23.0	34.6

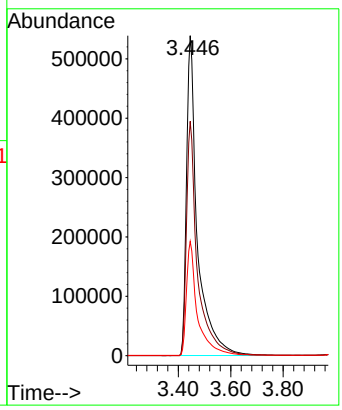




#3
Pyridine
Concen: 76.409 ng
RT: 3.446 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 79 Resp: 156013

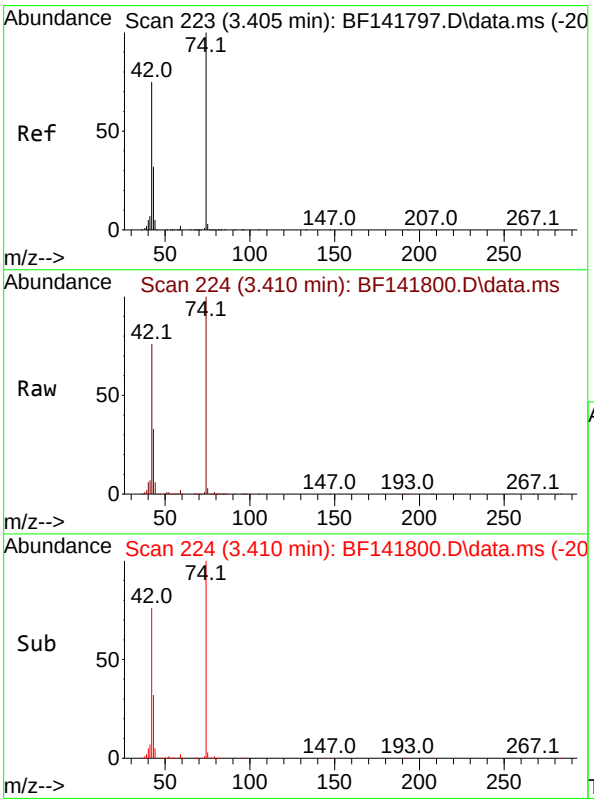
Ion	Ratio	Lower	Upper
79	100		
52	73.2	59.0	88.4
51	35.7	29.0	43.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

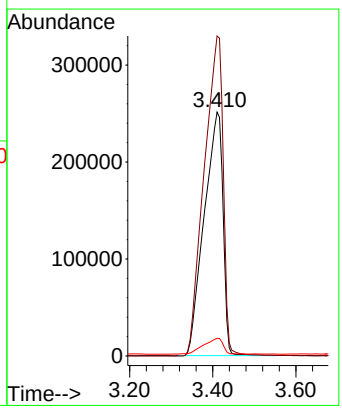
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

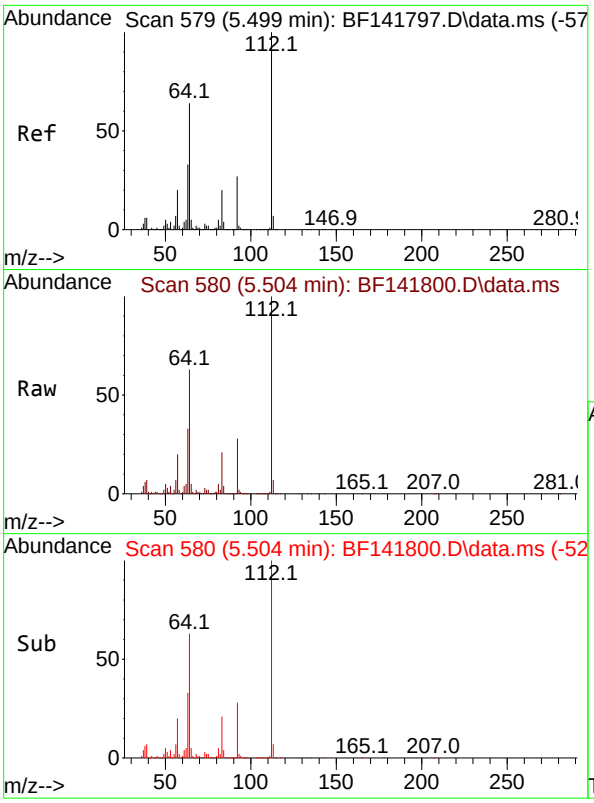


#4
n-Nitrosodimethylamine
Concen: 80.304 ng
RT: 3.410 min Scan# 224
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 42 Resp: 788941

Ion	Ratio	Lower	Upper
42	100		
74	131.2	107.1	160.7
44	7.2	6.6	9.8





#5
2-Fluorophenol
Concen: 144.448 ng
RT: 5.504 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

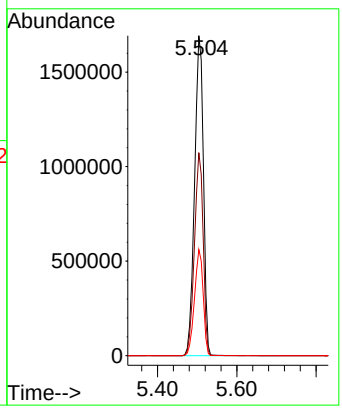
Tgt Ion:112 Resp: 261244

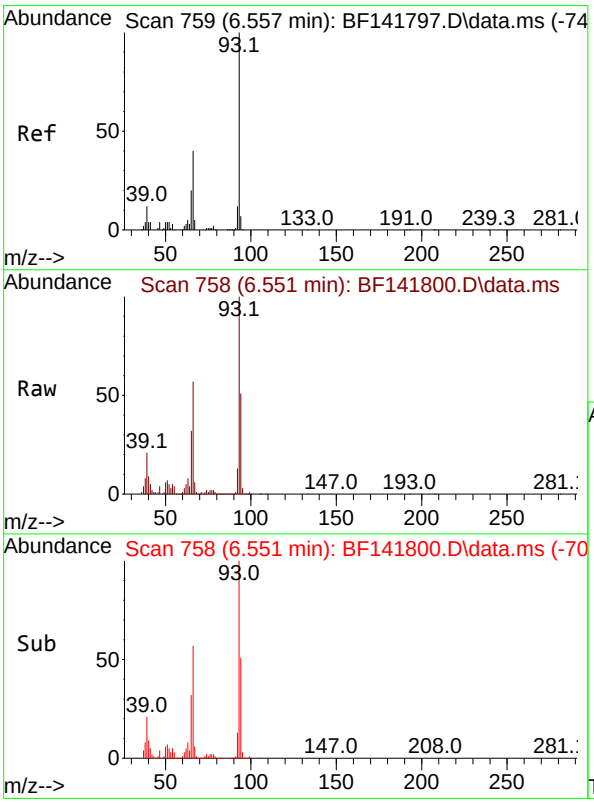
Ion	Ratio	Lower	Upper
112	100		
64	63.5	51.3	76.9
63	33.1	26.2	39.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

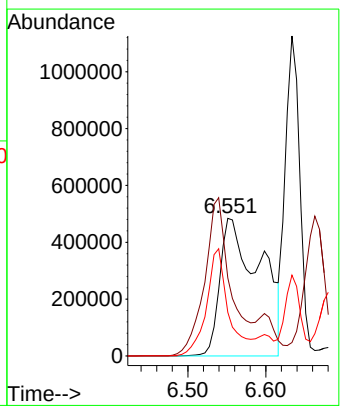


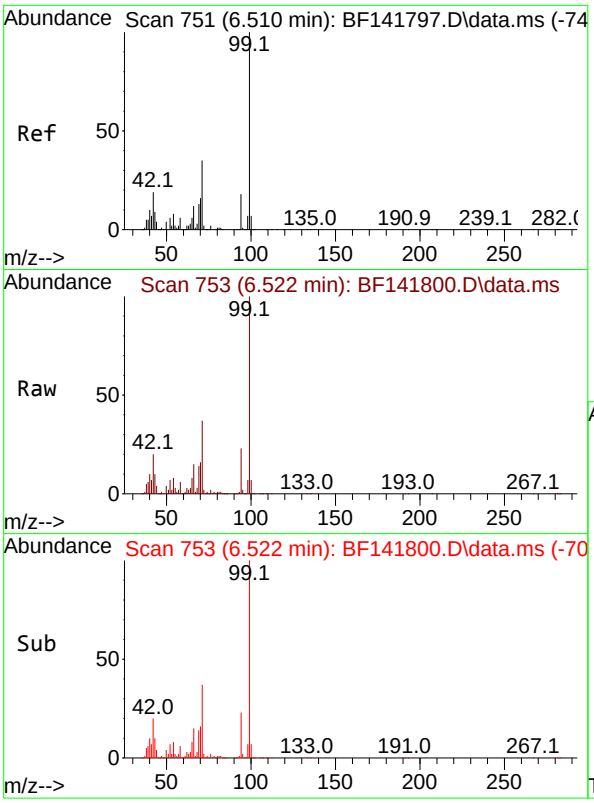


#6
Aniline
Concen: 71.624 ng m
RT: 6.551 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 93 Resp: 1743358

Ion	Ratio	Lower	Upper
93	100		
66	56.8	32.3	48.5#
65	31.8	15.9	23.9#

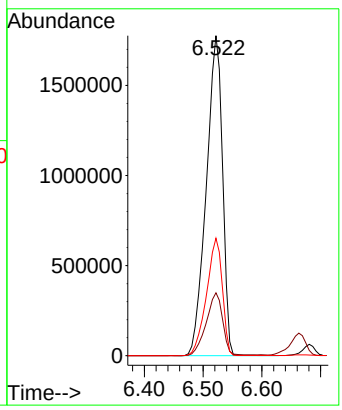




#7
Phenol-d6
Concen: 144.934 ng
RT: 6.522 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 99 Resp: 341177

Ion	Ratio	Lower	Upper
99	100		
42	19.7	15.2	22.8
71	36.7	28.2	42.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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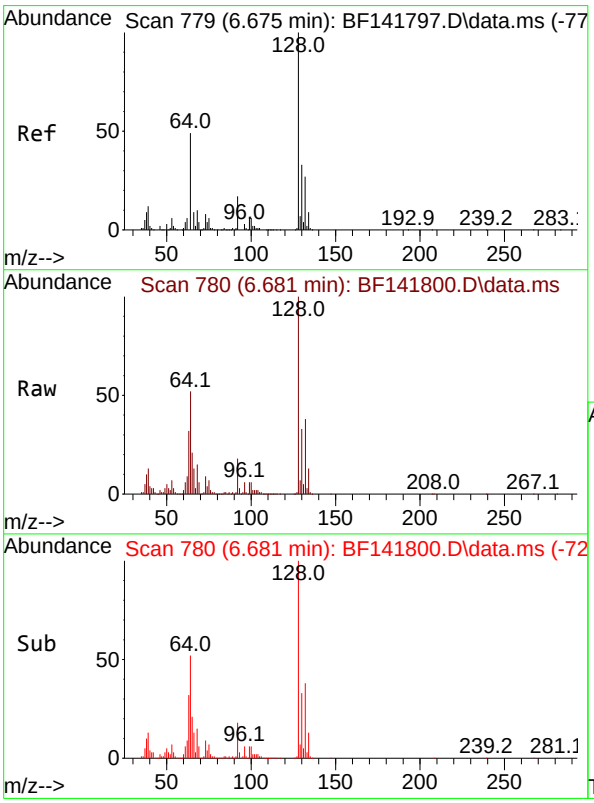
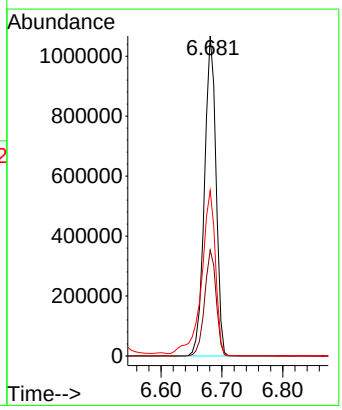
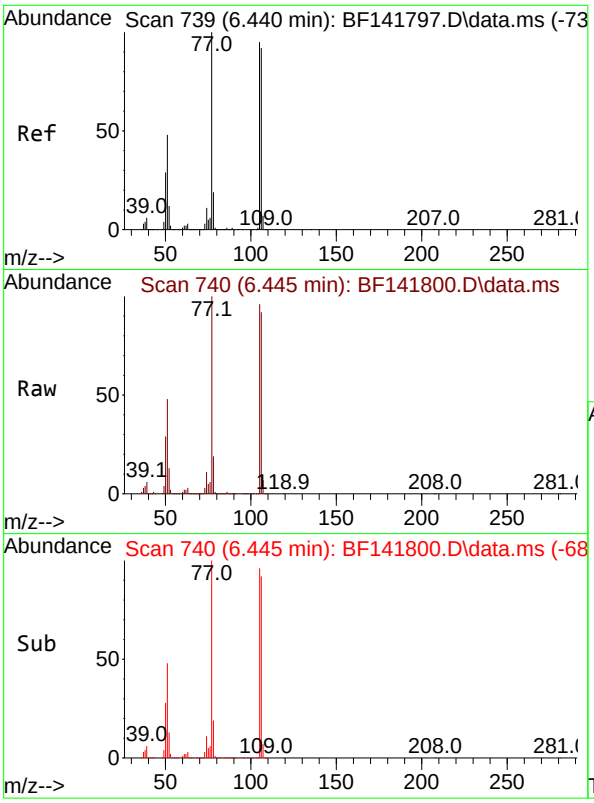


#8
2-Chlorophenol
Concen: 72.047 ng
RT: 6.681 min Scan# 780
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:128 Resp: 1409554

Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.6	52.6
64	51.7	31.1	71.1

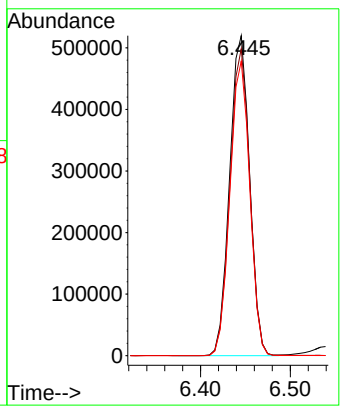




#9
Benzaldehyde
Concen: 58.556 ng
RT: 6.445 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 77 Resp: 80179

Ion	Ratio	Lower	Upper
77	100		
105	95.9	75.3	115.3
106	92.1	72.3	112.3



Instrument :
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ClientSampleId :
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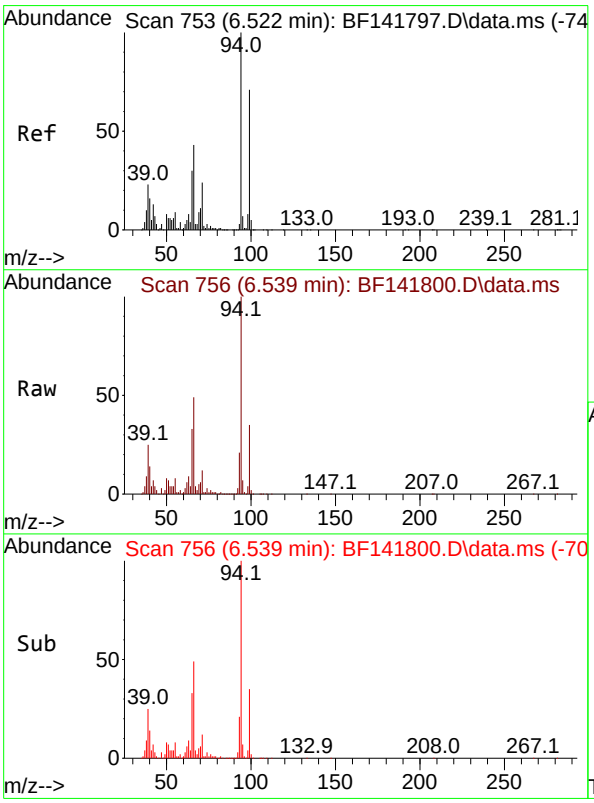
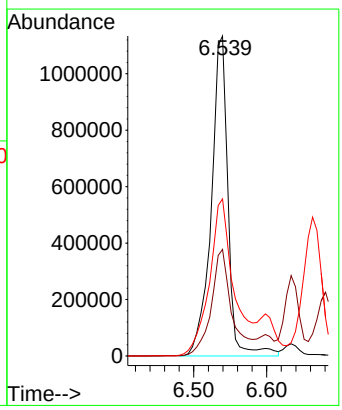
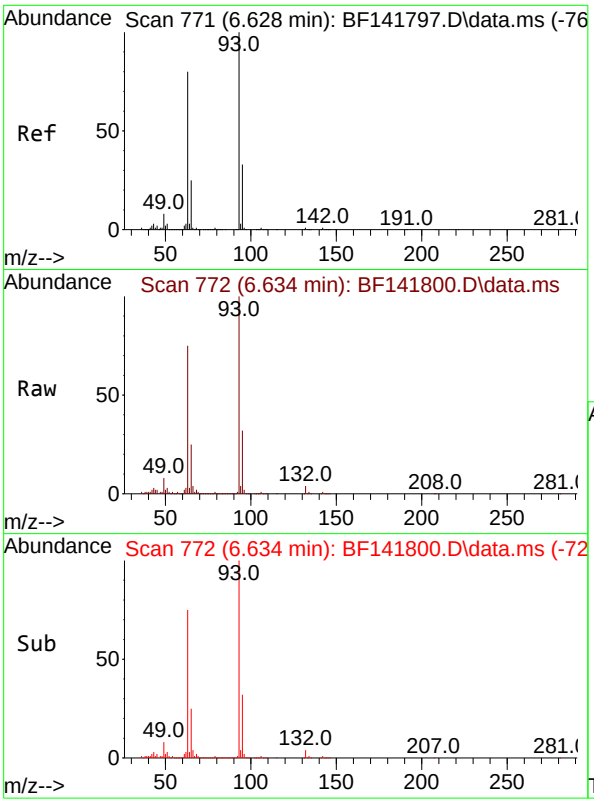


#10
Phenol
Concen: 72.063 ng m
RT: 6.539 min Scan# 756
Delta R.T. 0.017 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 94 Resp: 1807328

Ion	Ratio	Lower	Upper
94	100		
65	33.3	10.2	50.2
66	49.1	23.2	63.2

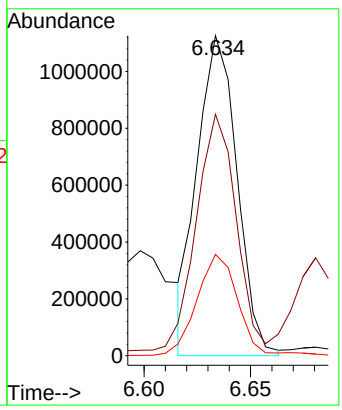




#11
bis(2-Chloroethyl)ether
Concen: 76.240 ng
RT: 6.634 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 93 Resp: 146186

Ion	Ratio	Lower	Upper
93	100		
63	75.5	59.3	99.3
95	31.7	13.2	53.2



Instrument :
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ClientSampleId :
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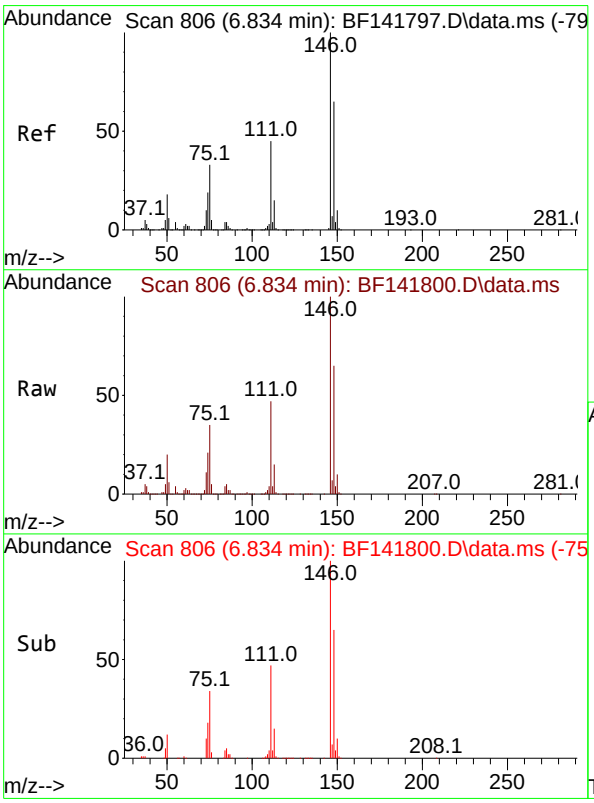
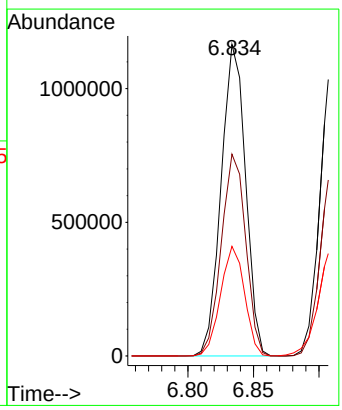
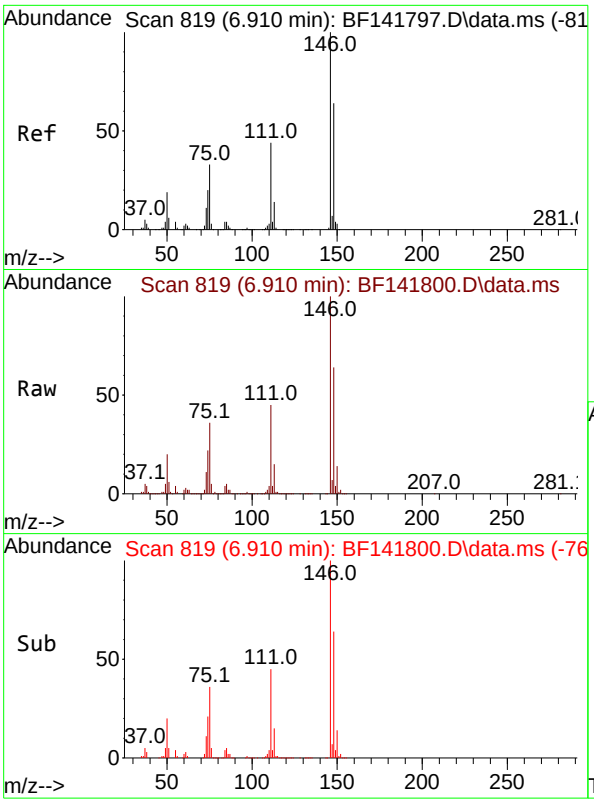


#12
1,3-Dichlorobenzene
Concen: 72.103 ng
RT: 6.834 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:146 Resp: 1510694

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.8	77.6
75	35.2	26.2	39.4

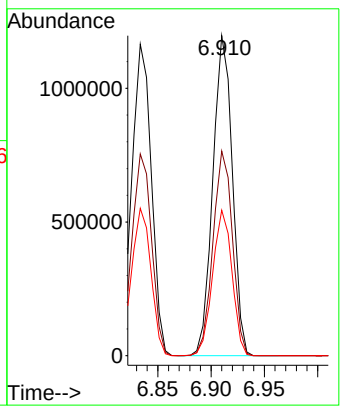




#13
1,4-Dichlorobenzene
Concen: 72.097 ng
RT: 6.910 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:146 Resp: 152204

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.4	77.2
111	45.5	35.5	53.3



Instrument :
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ClientSampleId :
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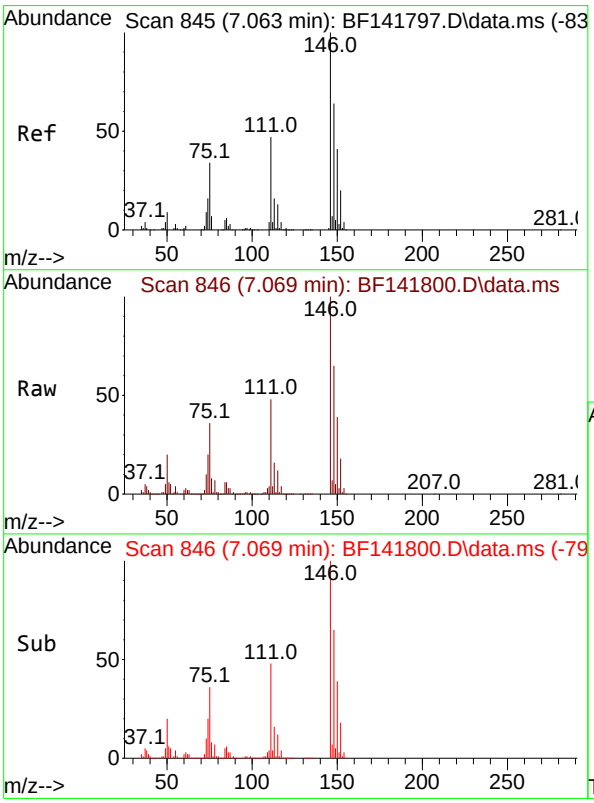
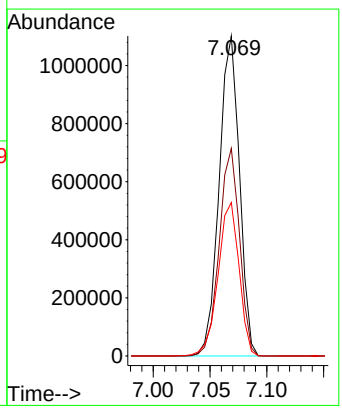
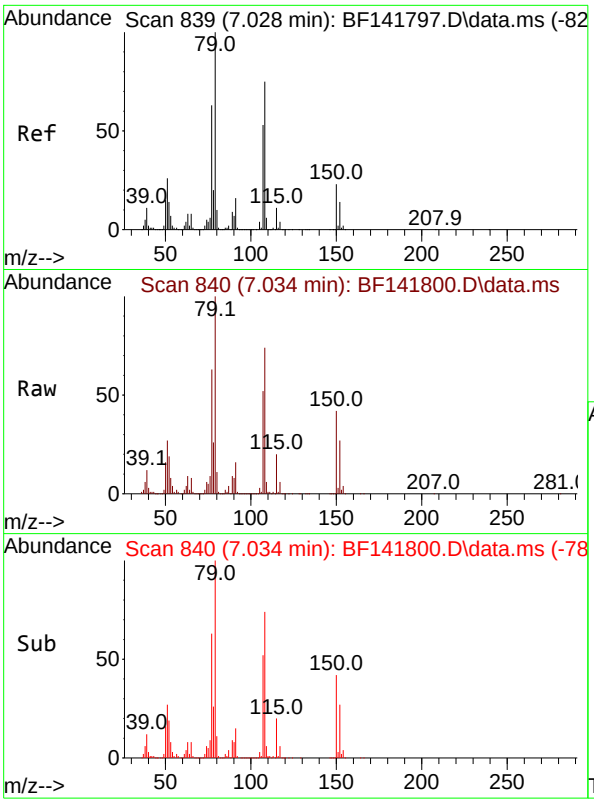


#14
1,2-Dichlorobenzene
Concen: 69.519 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:146 Resp: 1370457

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.2	76.8
111	48.0	37.8	56.6





#15
Benzyl Alcohol
Concen: 72.454 ng
RT: 7.034 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 79 Resp: 136309

Ion	Ratio	Lower	Upper
79	100		
108	73.9	60.2	90.2
77	63.2	50.2	75.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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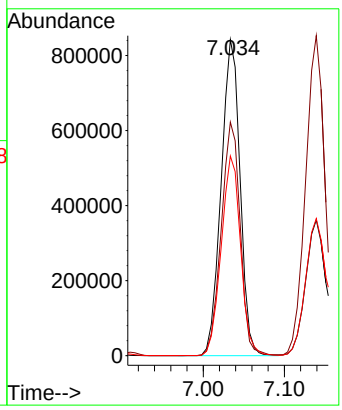
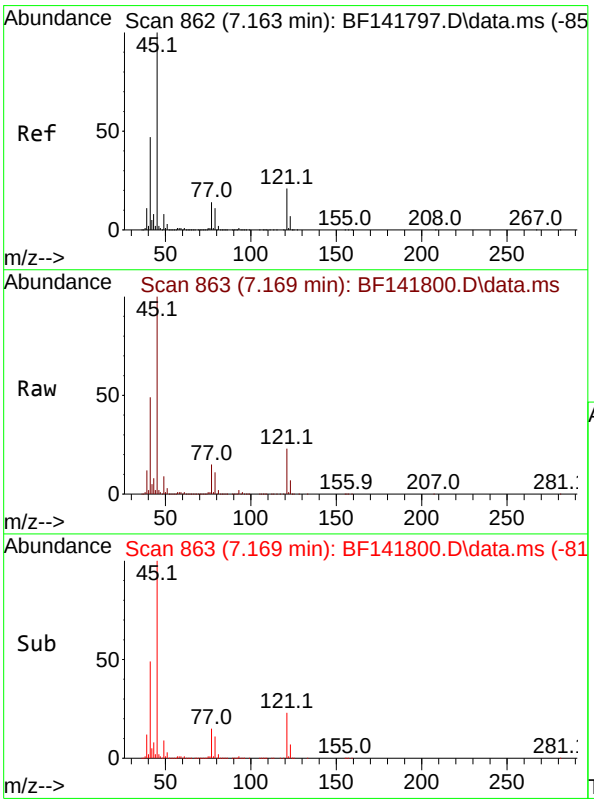
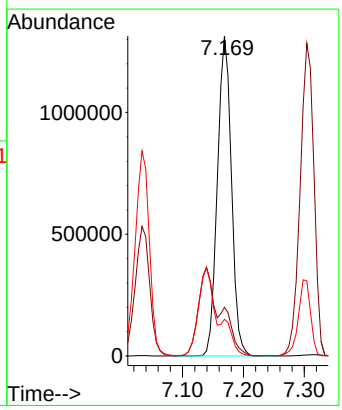


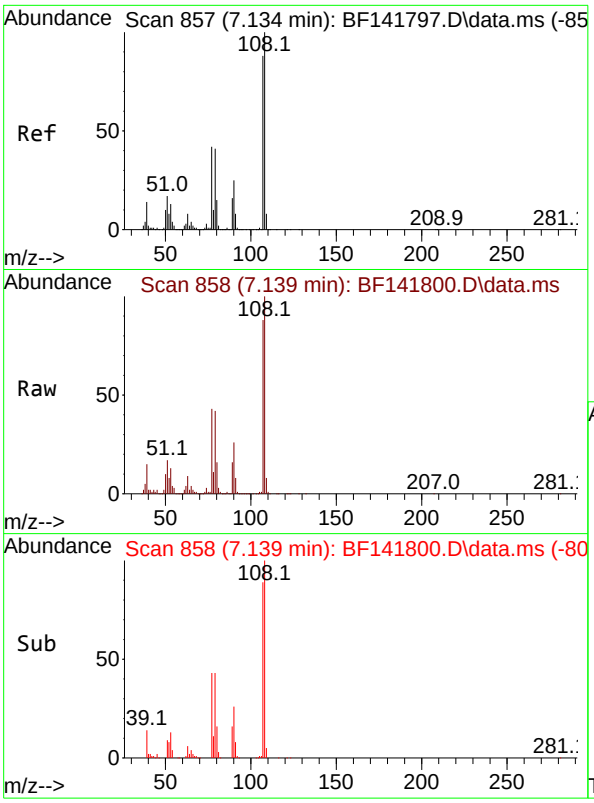


#16
2,2'-oxybis(1-Chloropropane)
Concen: 71.973 ng
RT: 7.169 min Scan# 863
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 45 Resp: 2095843

Ion	Ratio	Lower	Upper
45	100		
77	15.2	0.0	34.4
79	11.5	0.0	30.9

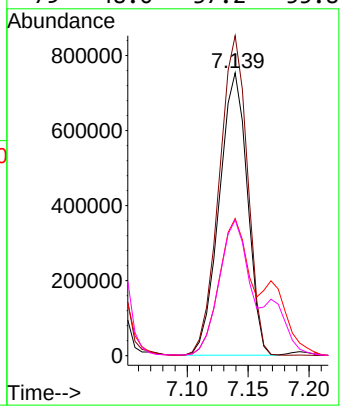




#17
2-Methylphenol
Concen: 75.016 ng
RT: 7.139 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:107 Resp: 121143

Ion	Ratio	Lower	Upper
107	100		
108	113.1	90.6	135.8
77	48.5	37.7	56.5
79	48.0	37.2	55.8



Instrument :
BNA_F
ClientSampleId :
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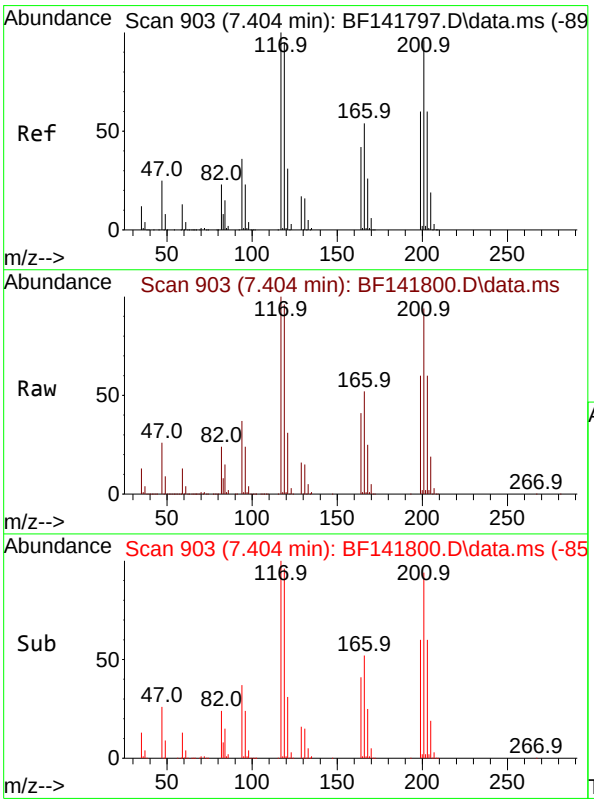
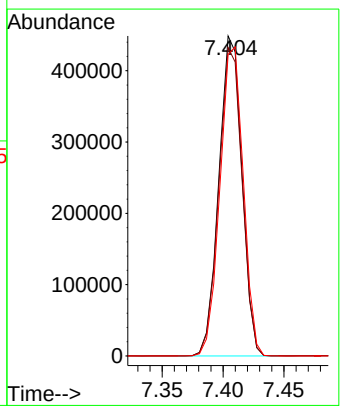
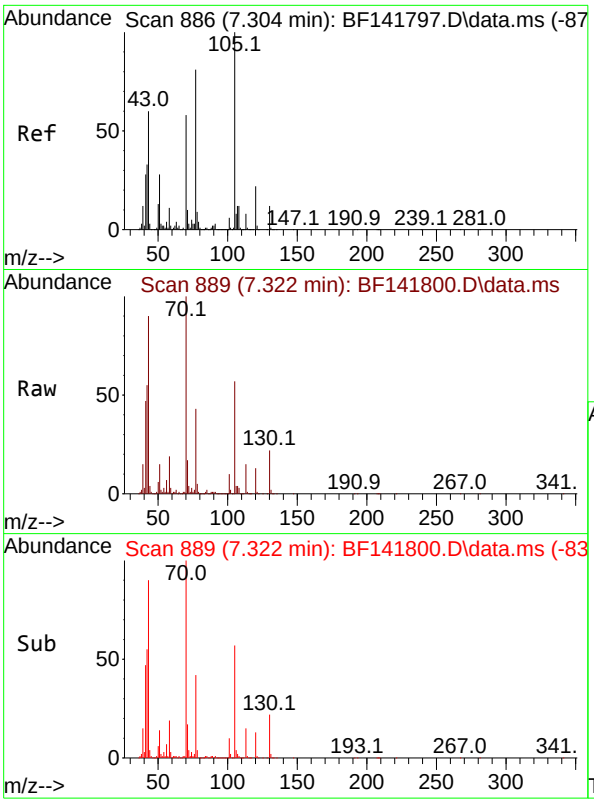


#18
Hexachloroethane
Concen: 75.056 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:117 Resp: 593057

Ion	Ratio	Lower	Upper
117	100		
119	96.3	75.8	113.8
201	94.2	76.7	115.1

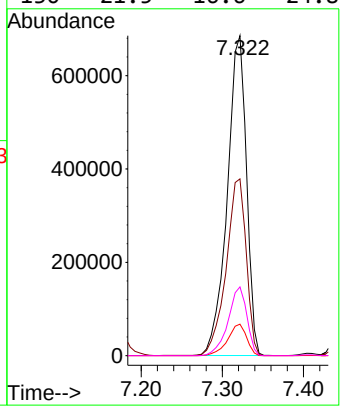




#19
n-Nitroso-di-n-propylamine
Concen: 72.793 ng
RT: 7.322 min Scan# 8
Delta R.T. 0.017 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 70 Resp: 112642

Ion	Ratio	Lower	Upper
70	100		
42	55.3	45.4	68.0
101	9.8	7.8	11.8
130	21.5	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
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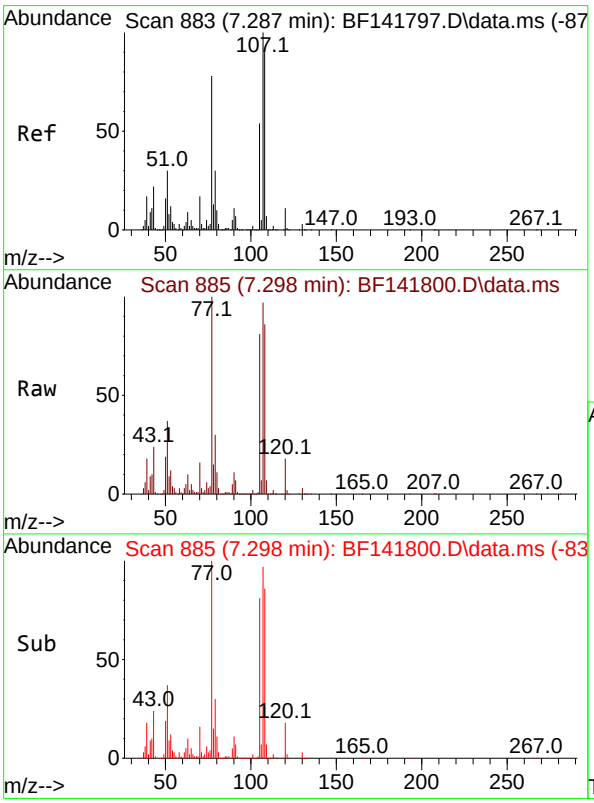
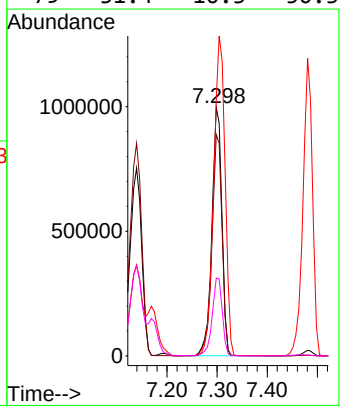
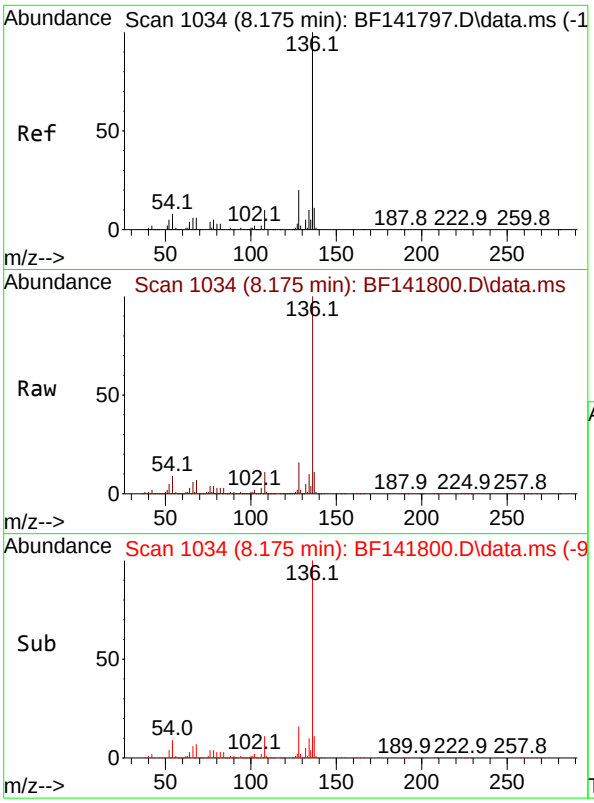


#20
3+4-Methylphenols
Concen: 68.816 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:107 Resp: 1383814

Ion	Ratio	Lower	Upper
107	100		
108	89.1	69.7	109.7
77	103.3	58.3	98.3#
79	31.4	10.3	50.3

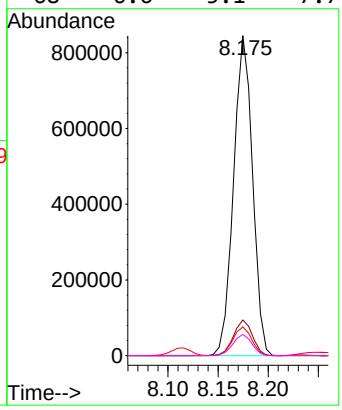




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:136 Resp: 111493

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	9.0	6.9	10.3
68	6.6	5.1	7.7



Instrument :
BNA_F
ClientSampleId :
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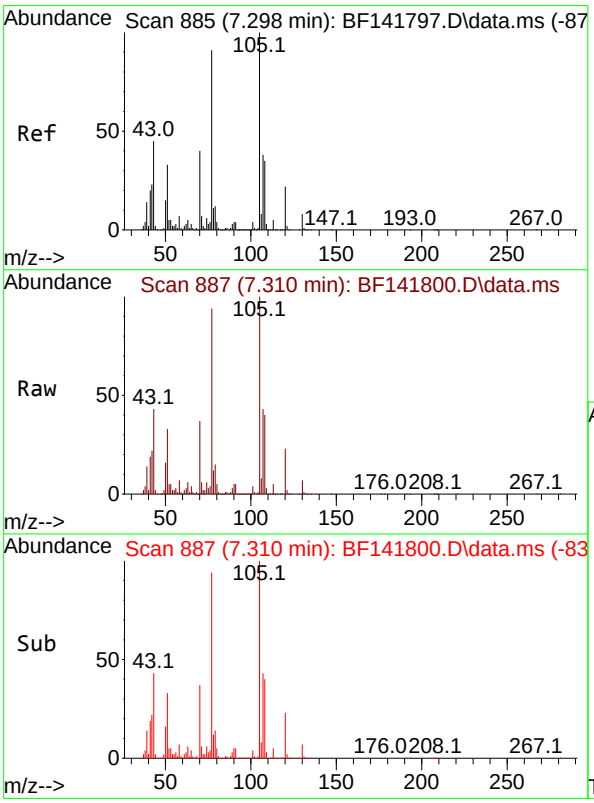
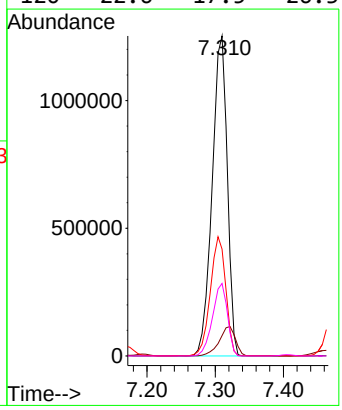
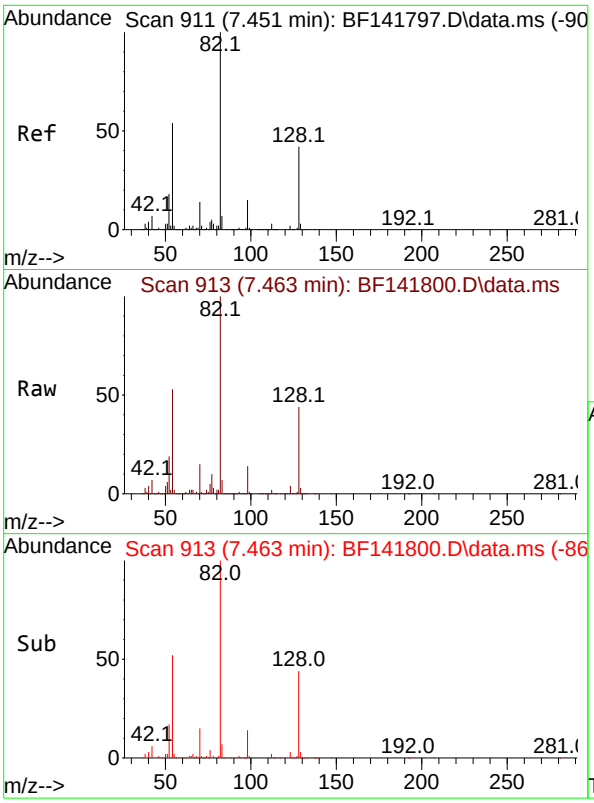


#22
Acetophenone
Concen: 71.209 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:105 Resp: 1933636

Ion	Ratio	Lower	Upper
105	100		
71	6.3	5.4	8.0
51	33.4	26.1	39.1
120	22.6	17.5	26.3

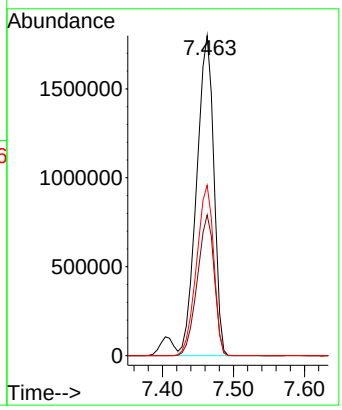




#23
Nitrobenzene-d5
Concen: 173.576 ng
RT: 7.463 min Scan# 9
Delta R.T. 0.011 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 82 Resp: 302761

Ion	Ratio	Lower	Upper
82	100		
128	44.0	33.5	50.3
54	53.3	42.7	64.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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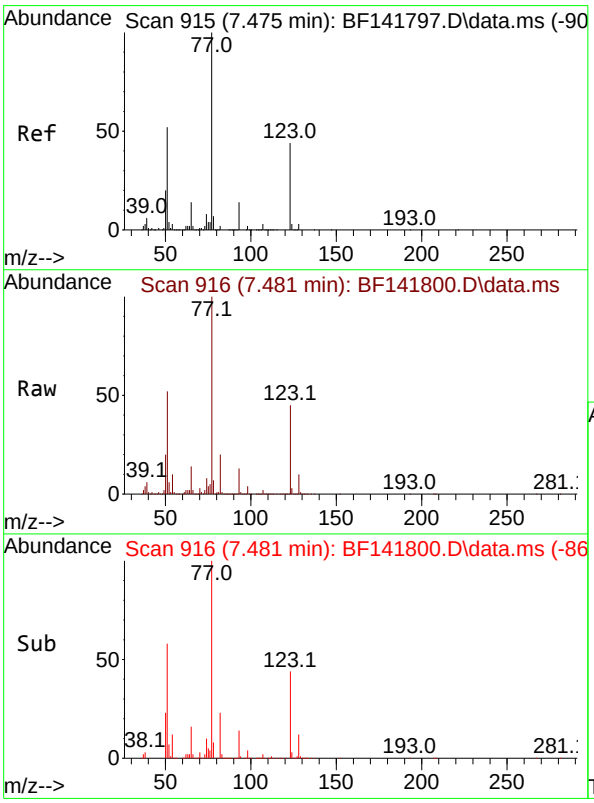
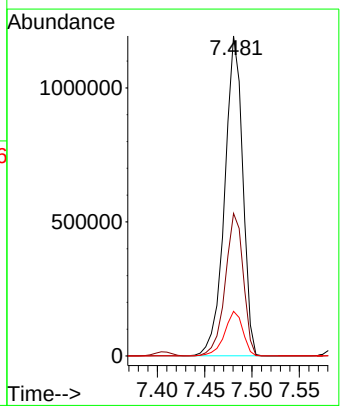
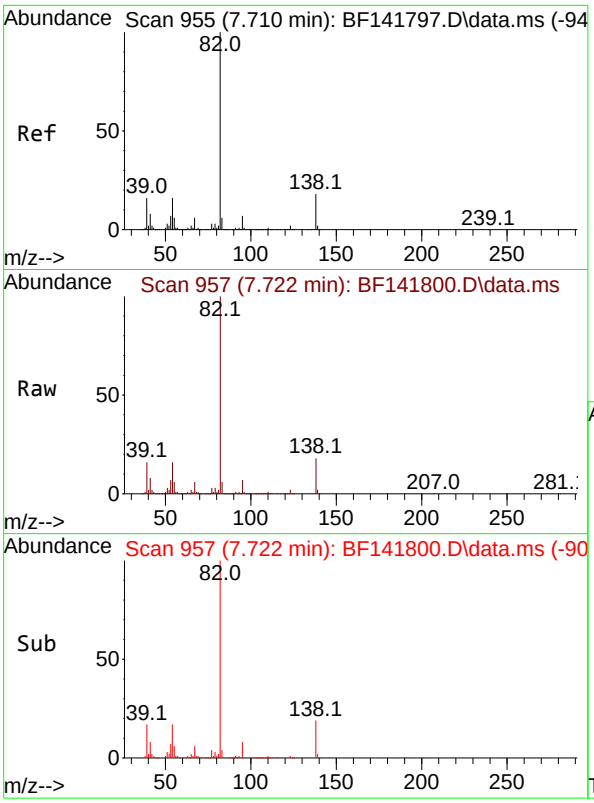


#24
Nitrobenzene
Concen: 84.587 ng
RT: 7.481 min Scan# 916
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 77 Resp: 1579955

Ion	Ratio	Lower	Upper
77	100		
123	44.5	35.8	53.8
65	14.0	11.2	16.8

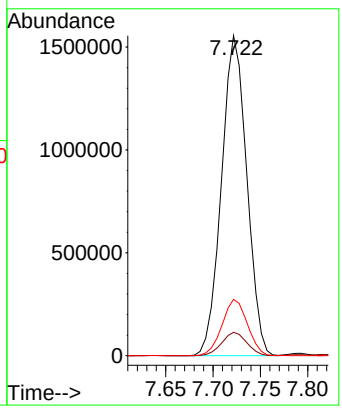




#25
Isophorone
Concen: 77.230 ng
RT: 7.722 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 82 Resp: 289404

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	17.6	14.0	21.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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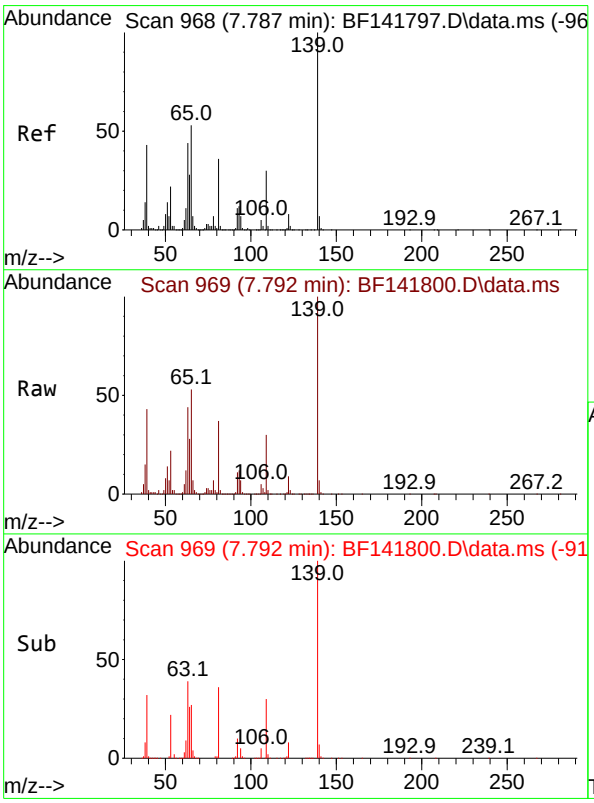
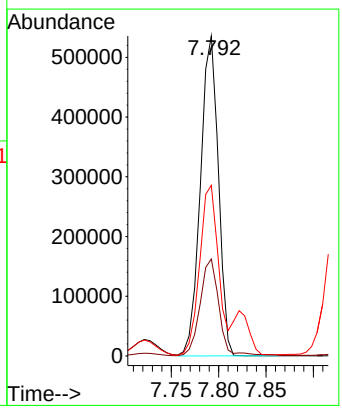
Supervised By :mohammad ahmed 02/28/2025

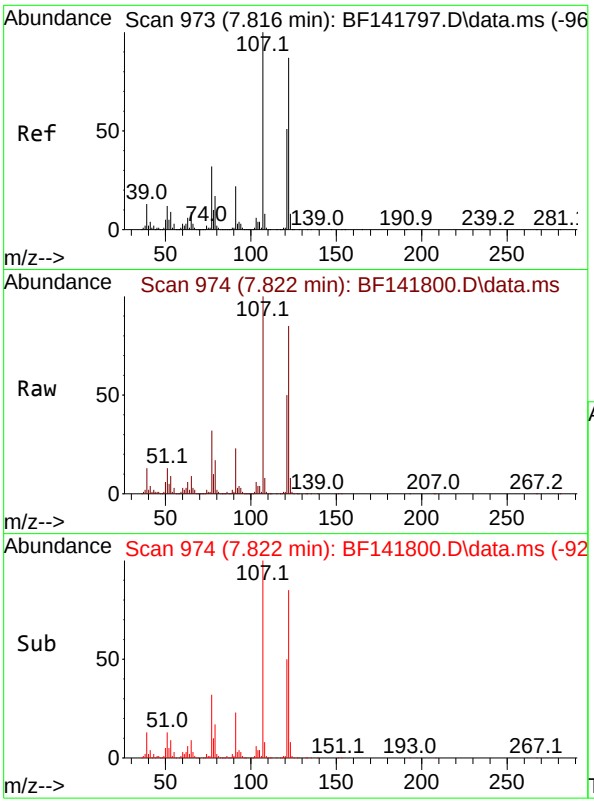


#26
2-Nitrophenol
Concen: 81.046 ng
RT: 7.792 min Scan# 969
Delta R.T. 0.005 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:139 Resp: 705125

Ion	Ratio	Lower	Upper
139	100		
109	30.3	24.1	36.1
65	53.3	42.3	63.5

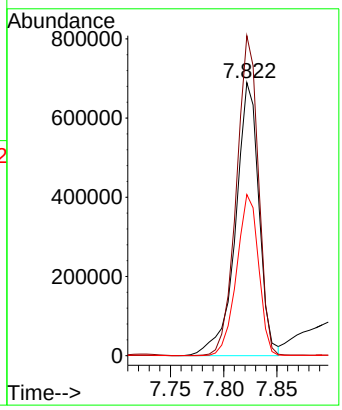




#27
2,4-Dimethylphenol
Concen: 76.304 ng
RT: 7.822 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:122 Resp: 105107

Ion	Ratio	Lower	Upper
122	100		
107	117.2	92.5	138.7
121	59.0	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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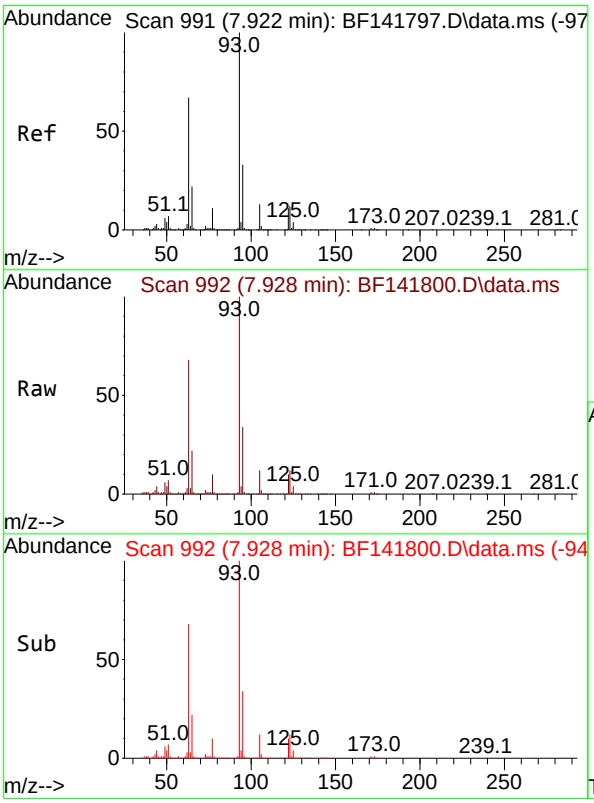
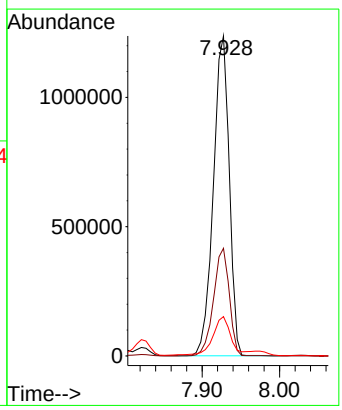
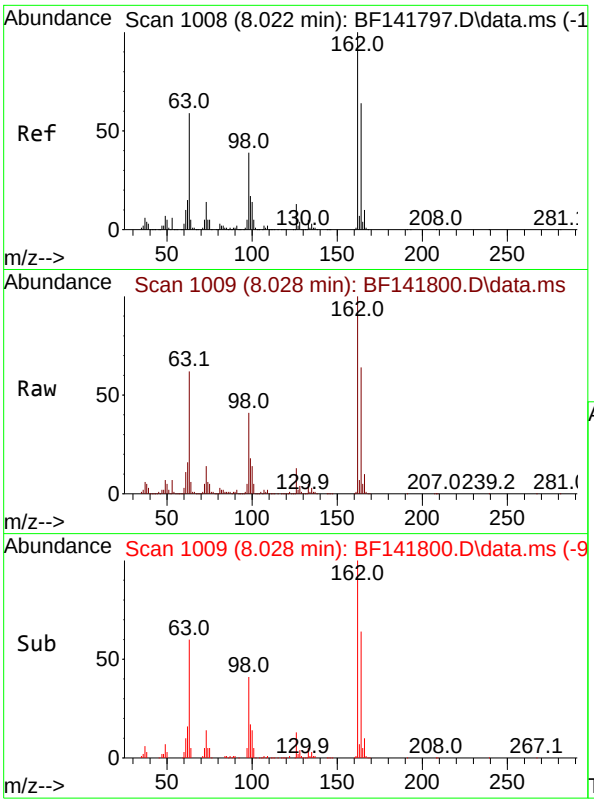


#28
bis(2-Chloroethoxy)methane
Concen: 73.596 ng
RT: 7.928 min Scan# 992
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 93 Resp: 1759255

Ion	Ratio	Lower	Upper
93	100		
95	33.7	26.5	39.7
123	12.3	10.0	15.0





#29
2,4-Dichlorophenol
Concen: 77.239 ng
RT: 8.028 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:162 Resp: 122740

Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.3	84.3
98	40.8	19.6	59.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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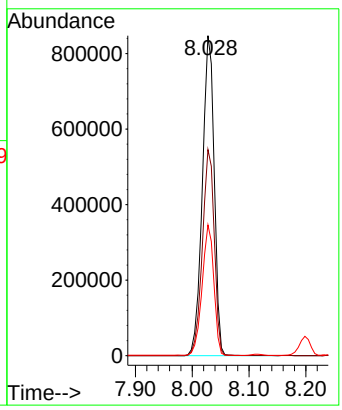
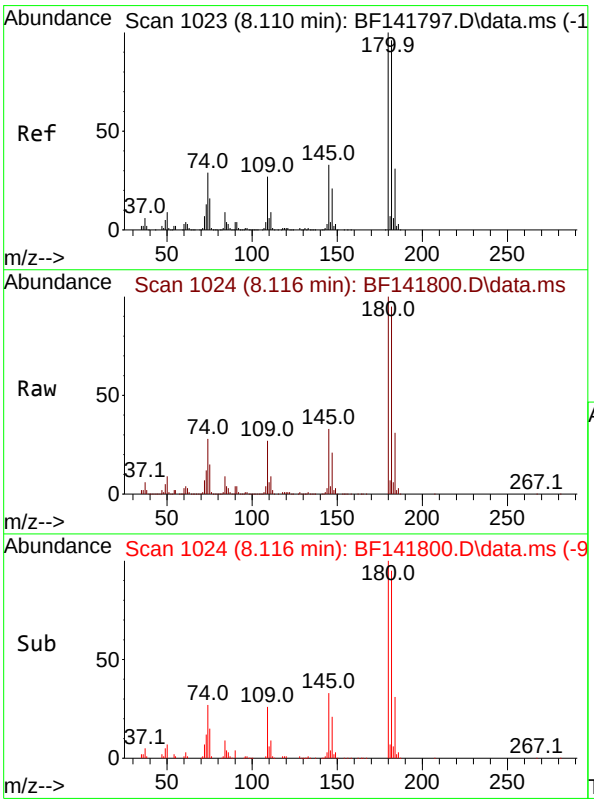
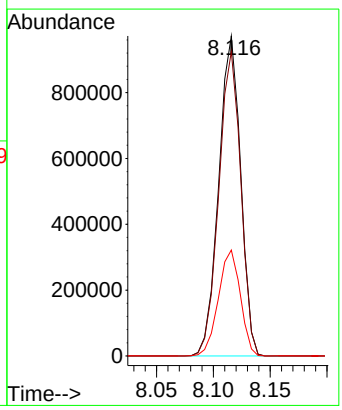


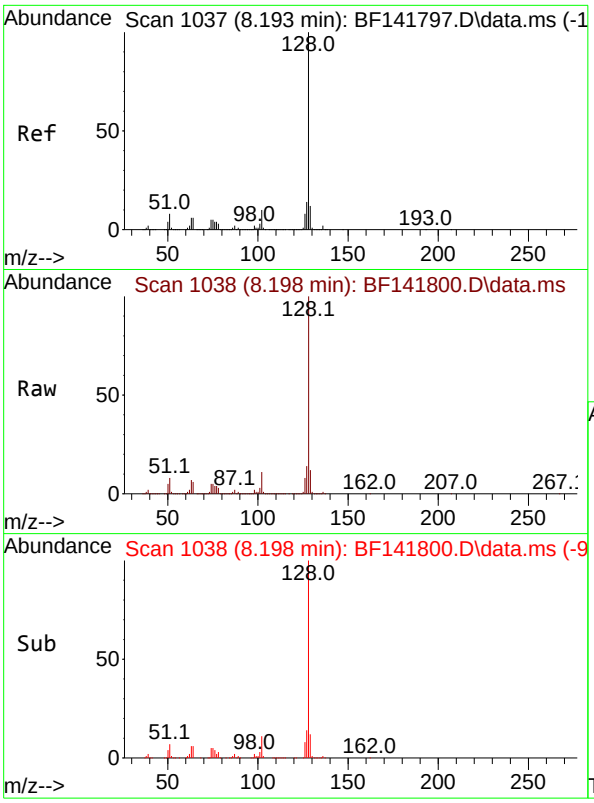


#30
1,2,4-Trichlorobenzene
Concen: 74.888 ng
RT: 8.116 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:180 Resp: 1304033

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.8	115.2
145	33.1	26.4	39.6





#31
Naphthalene
Concen: 70.504 ng
RT: 8.198 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 404011

Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.2	13.8
127	14.3	11.0	16.4

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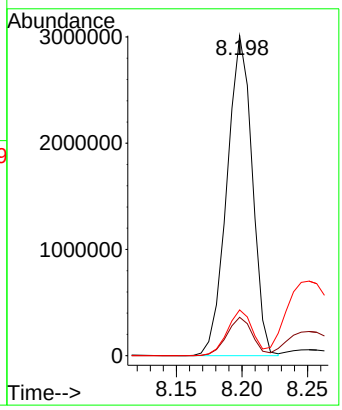
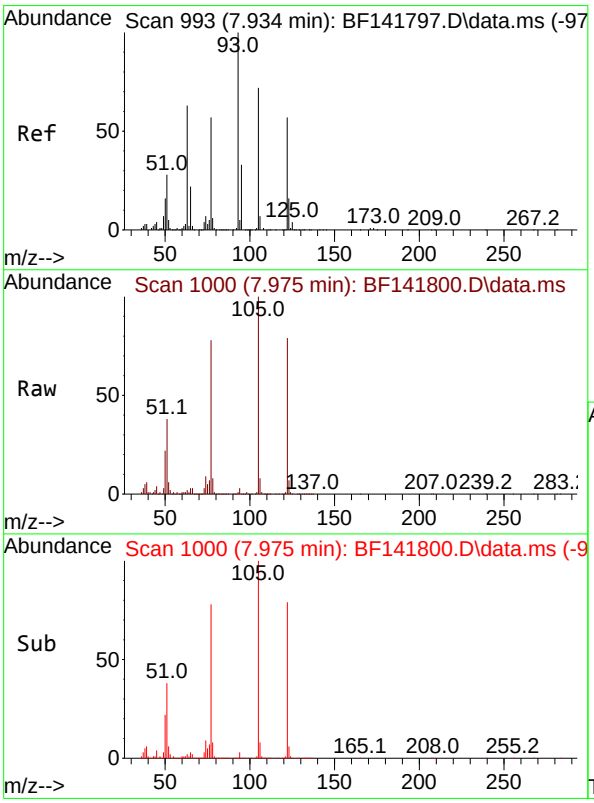
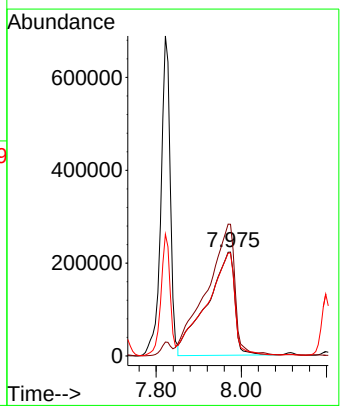


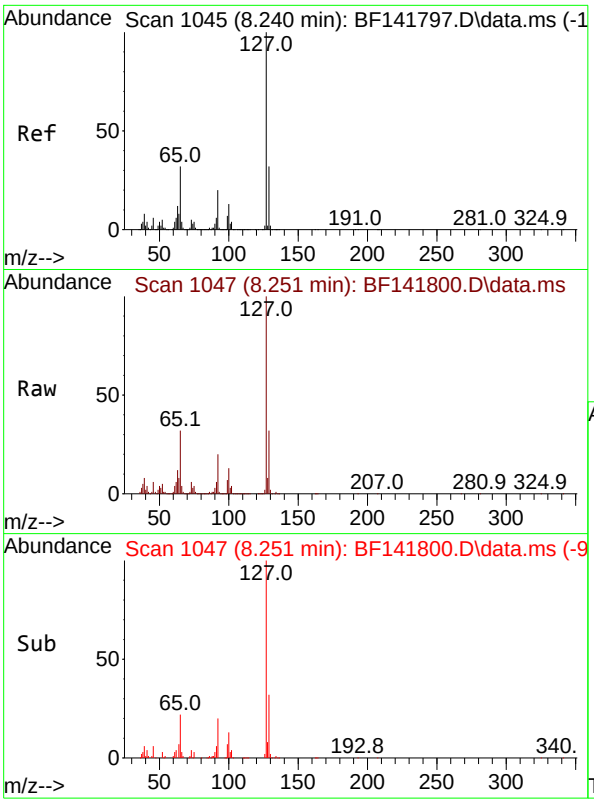


#32
Benzoic acid
Concen: 81.363 ng
RT: 7.975 min Scan# 1000
Delta R.T. 0.041 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:122 Resp: 1008619

Ion	Ratio	Lower	Upper
122	100		
105	126.8	105.8	145.8
77	99.0	79.9	119.9

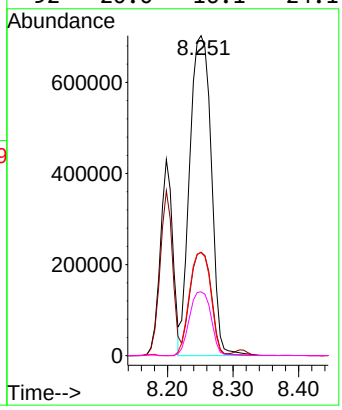




#33
4-Chloroaniline
Concen: 76.489 ng
RT: 8.251 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:127 Resp: 160709

Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.1	39.1
65	32.2	25.7	38.5
92	20.0	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
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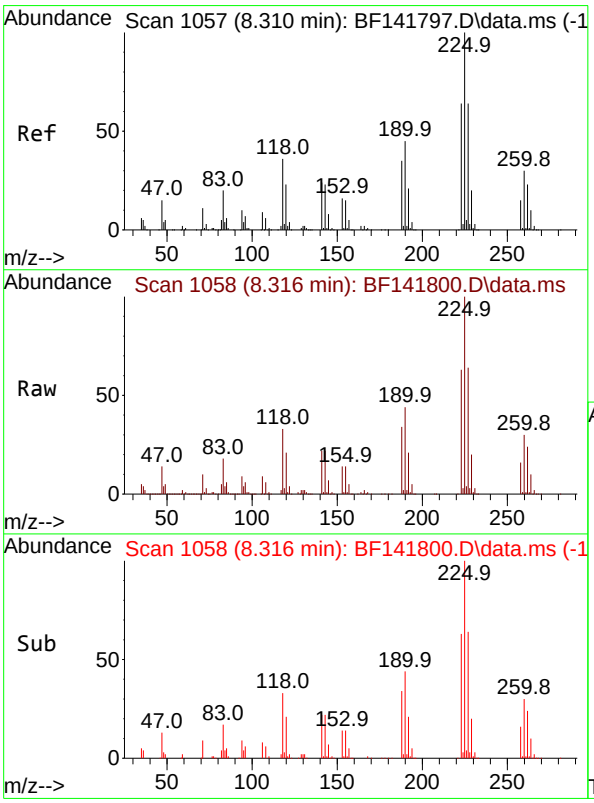
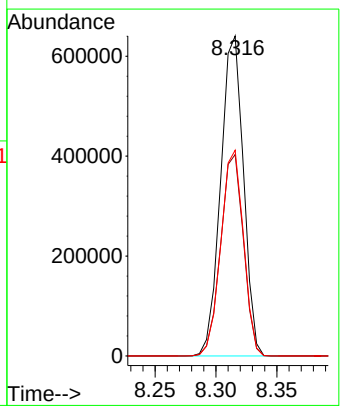
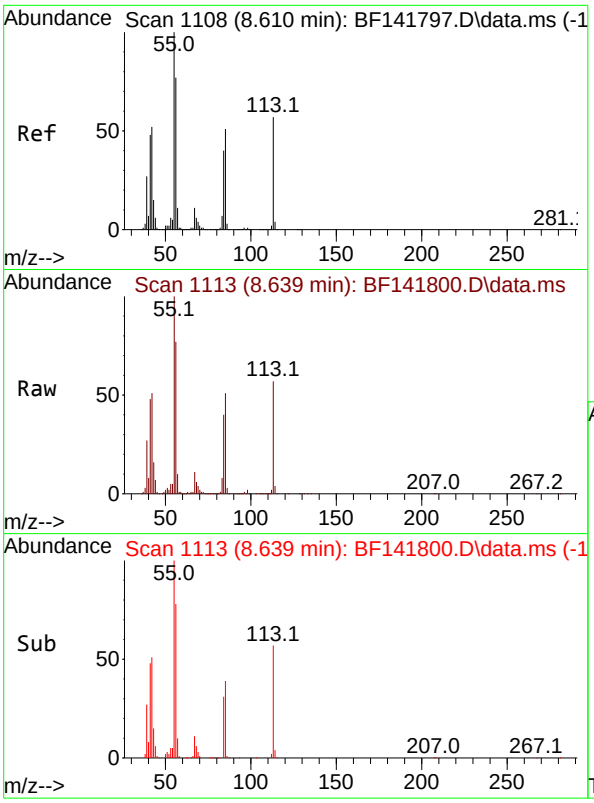


#34
Hexachlorobutadiene
Concen: 77.265 ng
RT: 8.316 min Scan# 1058
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:225 Resp: 836069

Ion	Ratio	Lower	Upper
225	100		
223	63.0	51.4	77.2
227	64.3	51.6	77.4





#35
Caprolactam
Concen: 78.359 ng
RT: 8.639 min Scan# 1
Delta R.T. 0.029 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:113 Resp: 38314

Ion	Ratio	Lower	Upper
113	100		
55	175.7	155.6	195.6
56	136.0	114.6	154.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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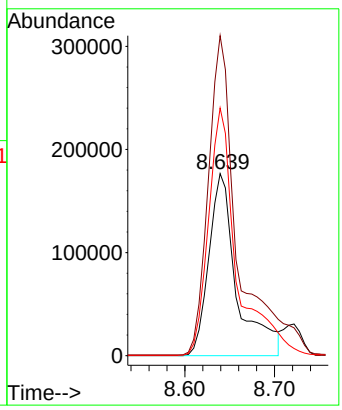
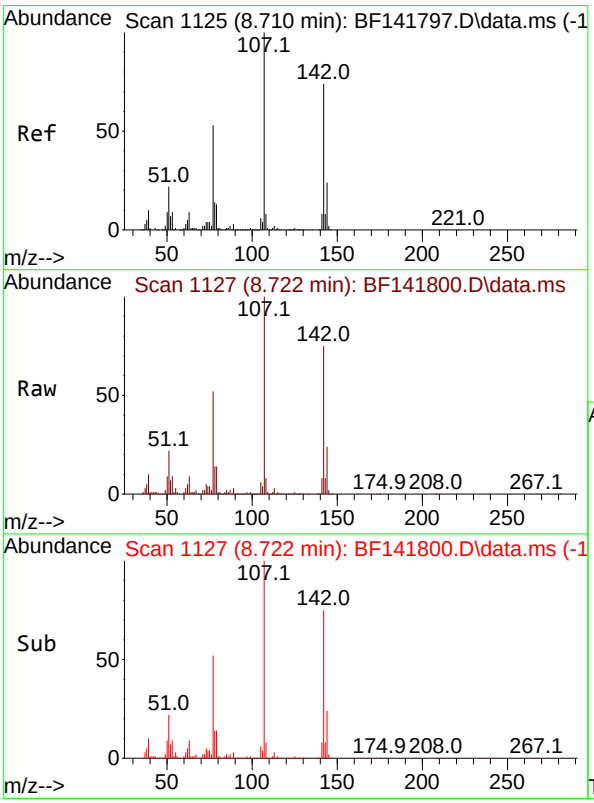
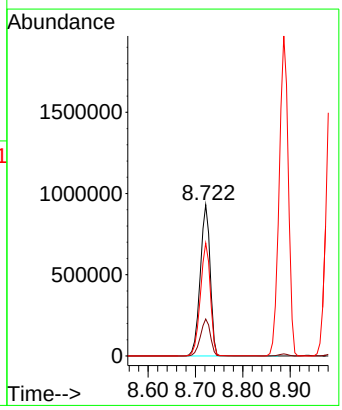


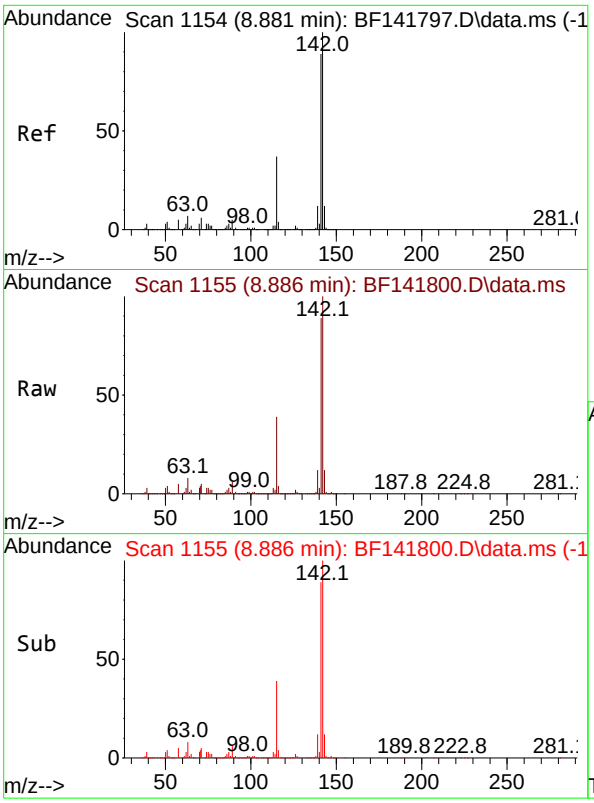


#36
4-Chloro-3-methylphenol
Concen: 76.431 ng
RT: 8.722 min Scan# 1127
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:107 Resp: 1349234

Ion	Ratio	Lower	Upper
107	100		
144	24.4	19.4	29.0
142	74.7	59.4	89.0

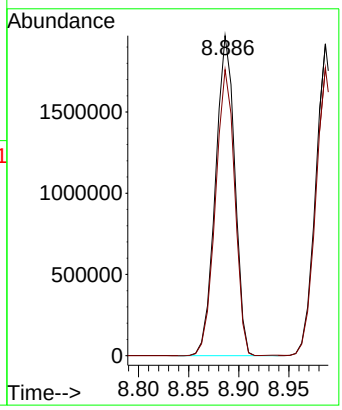




#37
2-Methylnaphthalene
Concen: 70.167 ng
RT: 8.886 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:142 Resp: 263730

Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.1	106.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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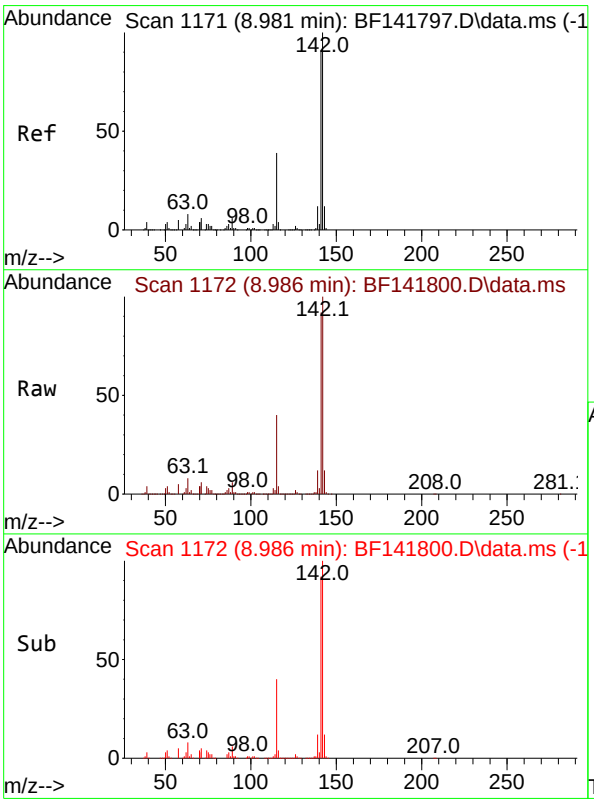
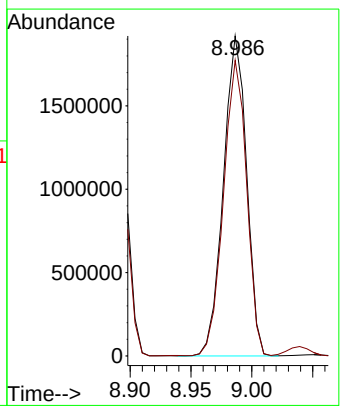
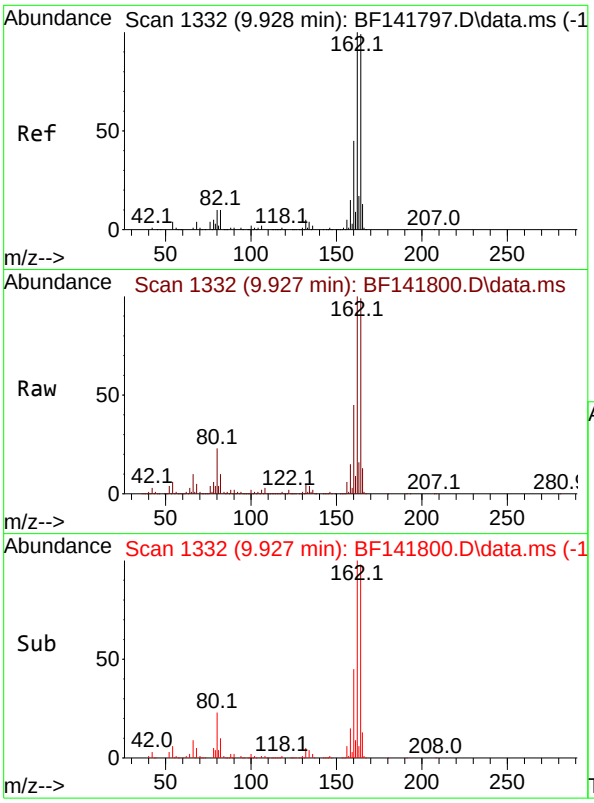


#38
1-Methylnaphthalene
Concen: 70.457 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:142 Resp: 2541019

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.1	109.7

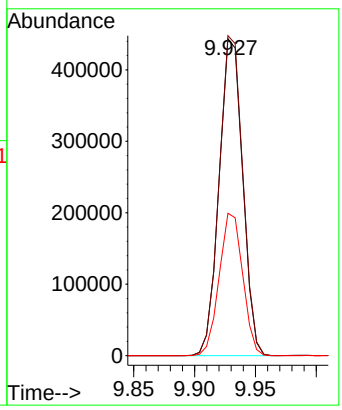




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:164 Resp: 59668

Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.6	120.8
160	44.9	36.3	54.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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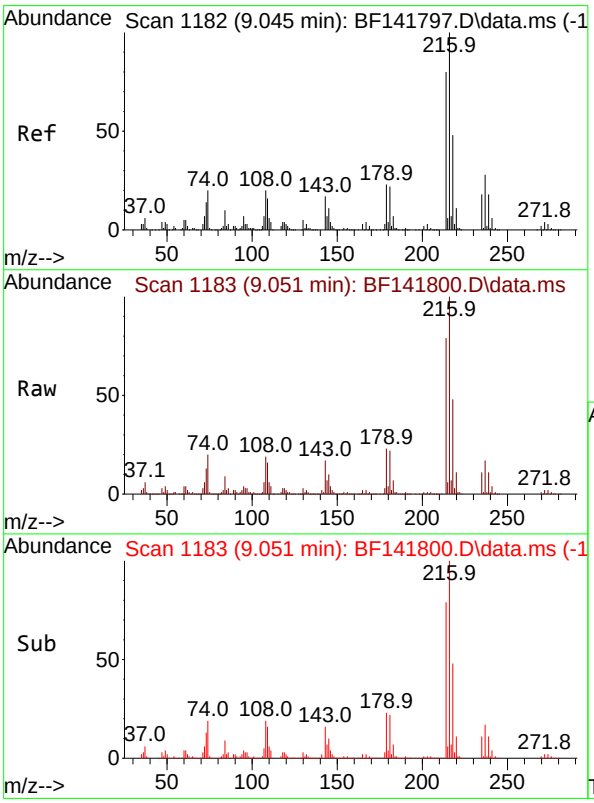
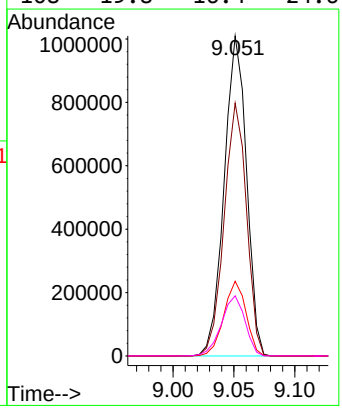
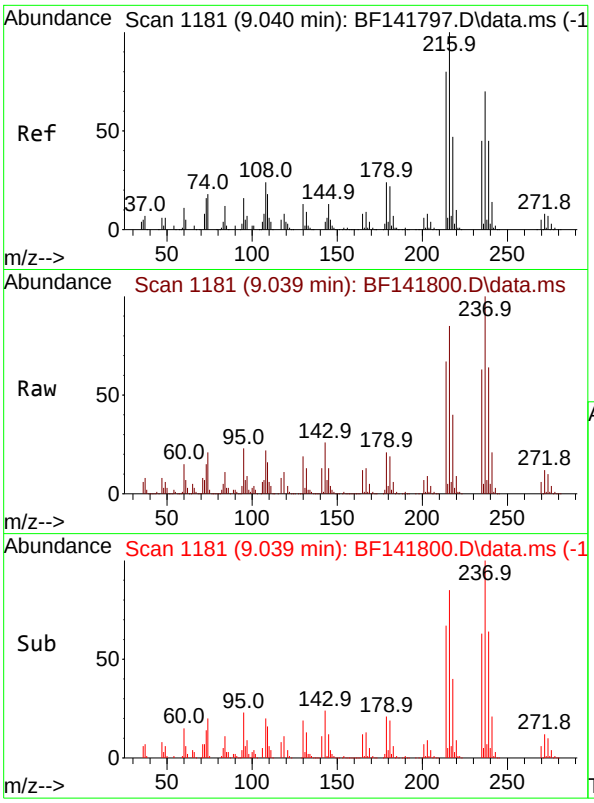


#40
1,2,4,5-Tetrachlorobenzene
Concen: 74.773 ng
RT: 9.051 min Scan# 1183
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:216 Resp: 1288540

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.5	95.3
179	23.2	18.1	27.1
108	19.8	16.4	24.6





#41
Hexachlorocyclopentadiene
Concen: 78.461 ng
RT: 9.039 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:237 Resp: 56426

Ion	Ratio	Lower	Upper
237	100		
235	62.8	43.3	83.3
272	12.3	0.0	31.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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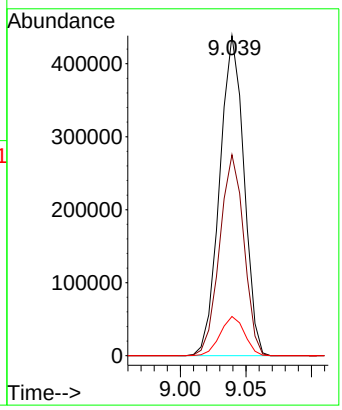
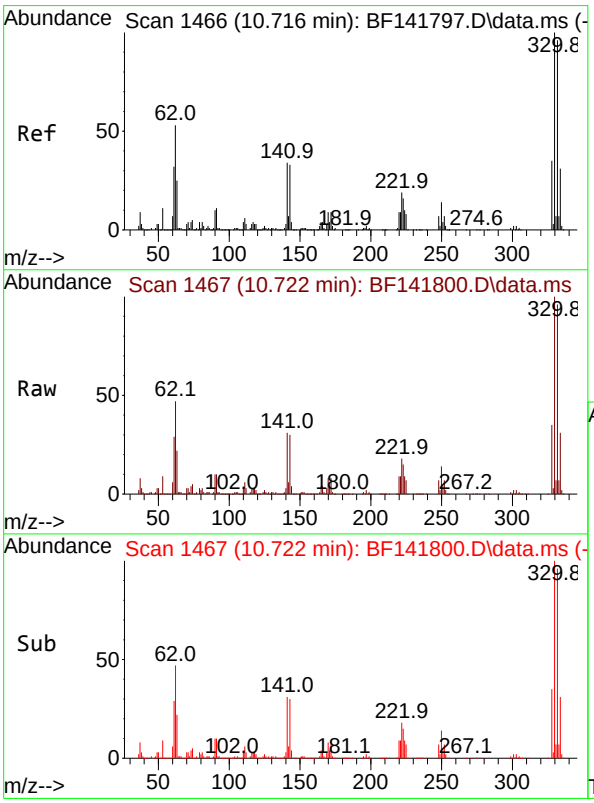
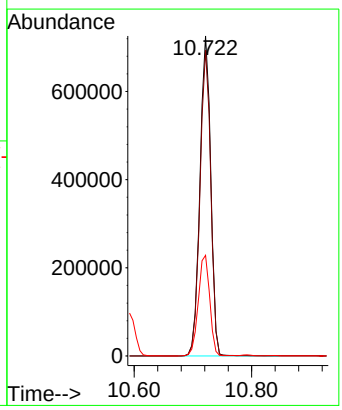


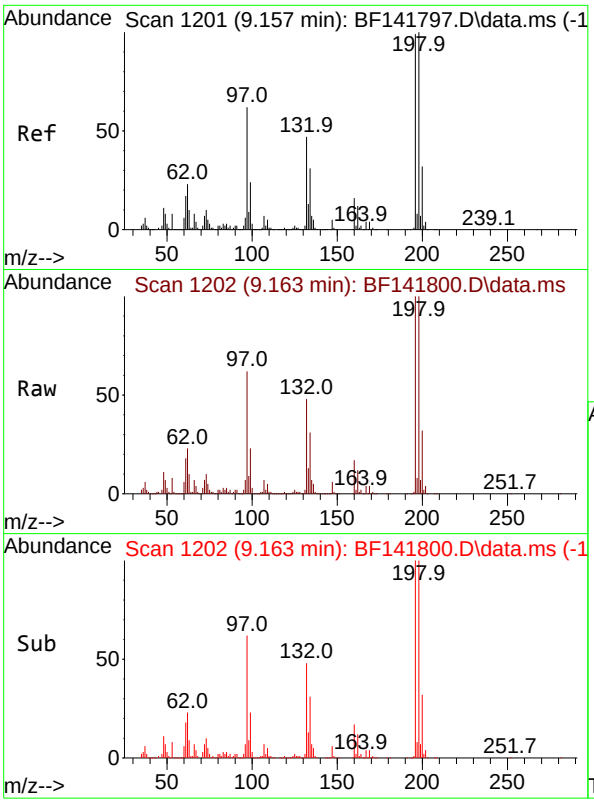


#42
2,4,6-Tribromophenol
Concen: 164.969 ng
RT: 10.722 min Scan# 1467
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:330 Resp: 924112

Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.6	115.0
141	33.3	29.0	43.4

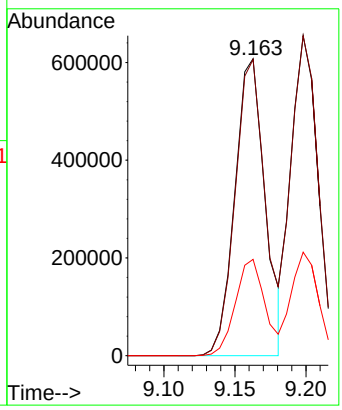




#43
2,4,6-Trichlorophenol
Concen: 80.742 ng
RT: 9.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:196 Resp: 89879

Ion	Ratio	Lower	Upper
196	100		
198	99.7	80.4	120.6
200	32.4	25.7	38.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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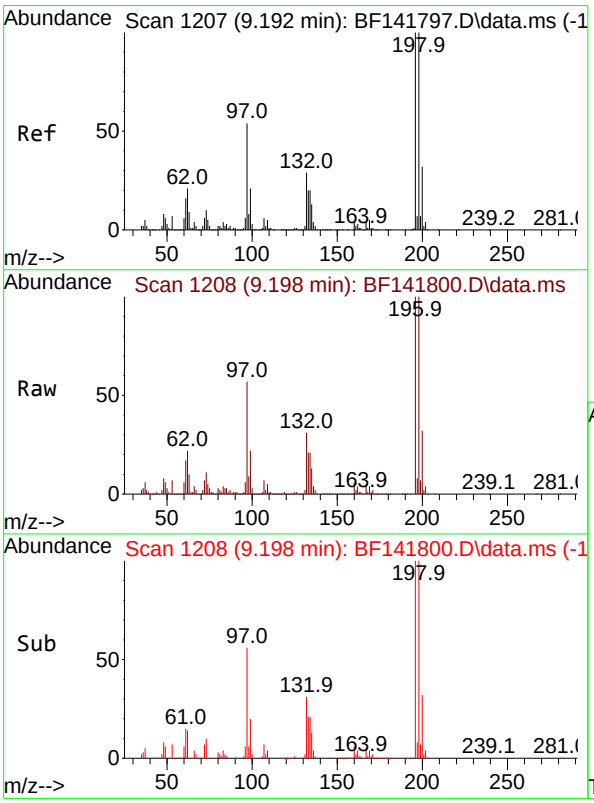
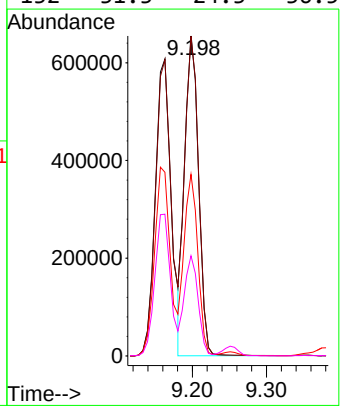
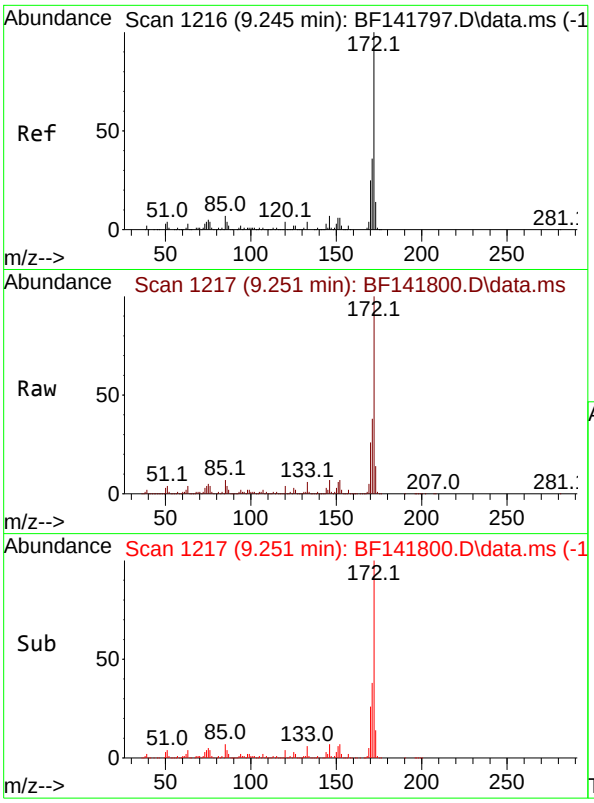


#44
2,4,5-Trichlorophenol
Concen: 77.984 ng
RT: 9.198 min Scan# 1208
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:196 Resp: 859610

Ion	Ratio	Lower	Upper
196	100		
198	99.9	79.7	119.5
97	56.8	44.2	66.2
132	31.3	24.3	36.5

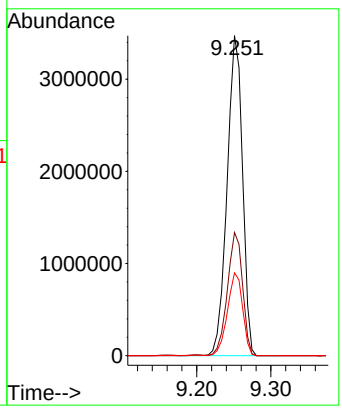




#45
2-Fluorobiphenyl
Concen: 134.541 ng
RT: 9.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:172 Resp: 500660

Ion	Ratio	Lower	Upper
172	100		
171	38.5	29.2	43.8
170	25.9	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
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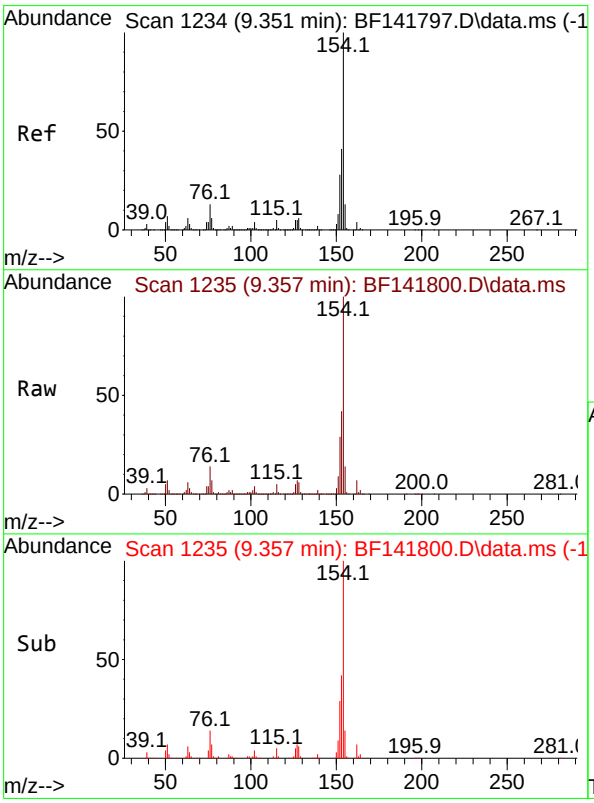
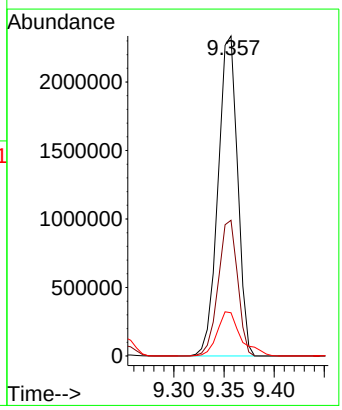
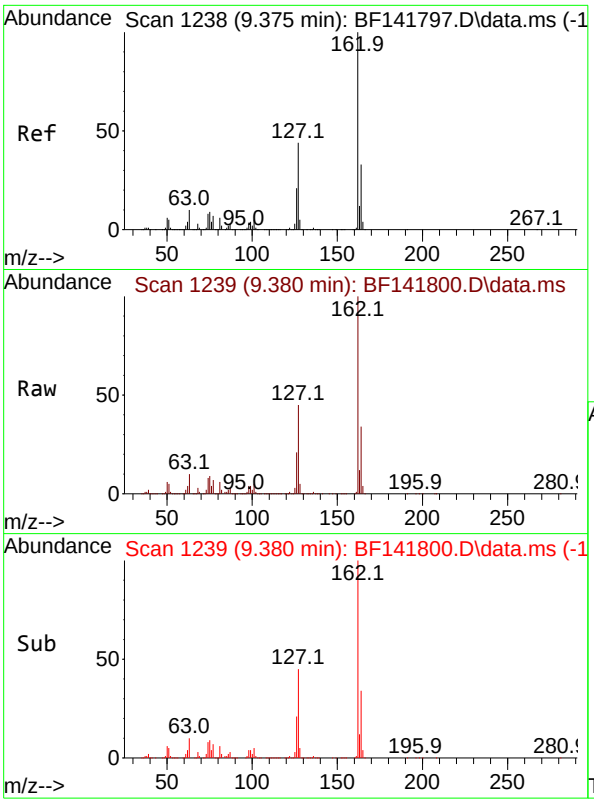


#46
1,1'-Biphenyl
Concen: 69.499 ng
RT: 9.357 min Scan# 1235
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:154 Resp: 3156440

Ion	Ratio	Lower	Upper
154	100		
153	42.4	21.4	61.4
76	13.5	0.0	33.4

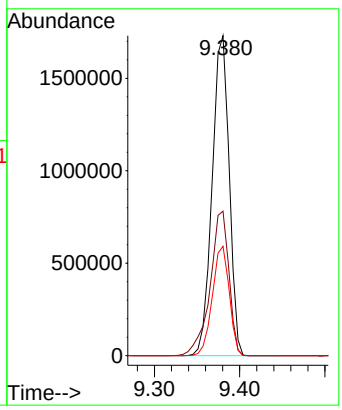




#47
2-Chloronaphthalene
Concen: 71.641 ng
RT: 9.380 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:162 Resp: 240146

Ion	Ratio	Lower	Upper
162	100		
127	45.2	35.0	52.6
164	34.2	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
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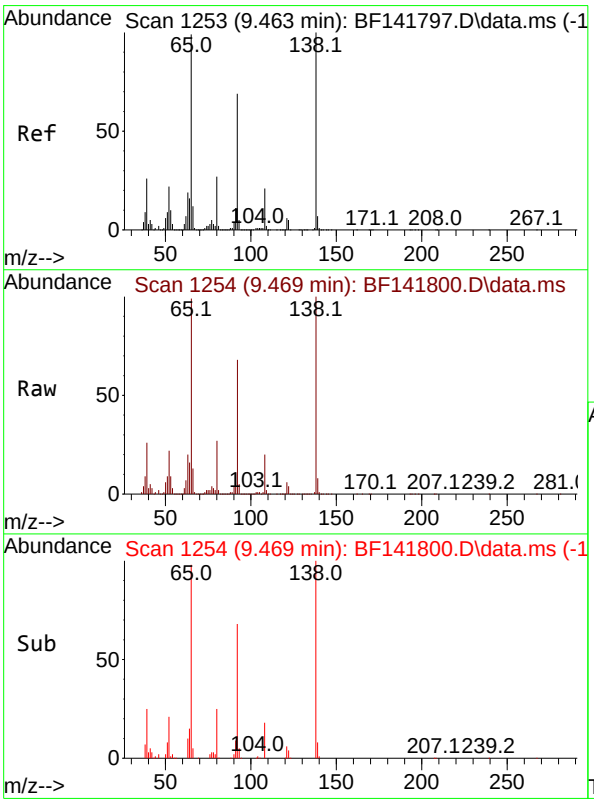
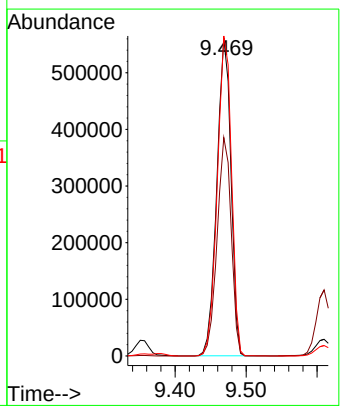
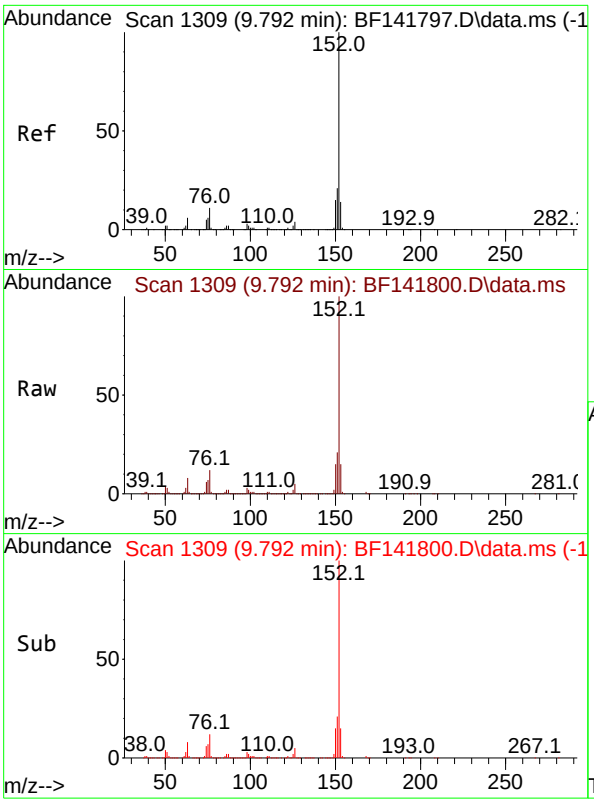


#48
2-Nitroaniline
Concen: 80.727 ng
RT: 9.469 min Scan# 1254
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 65 Resp: 770567

Ion	Ratio	Lower	Upper
65	100		
92	68.7	55.7	83.5
138	100.7	80.6	121.0

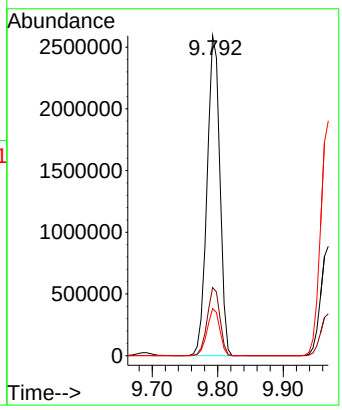




#49
Acenaphthylene
Concen: 69.880 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:152 Resp: 351207

Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.6	24.8
153	14.7	11.2	16.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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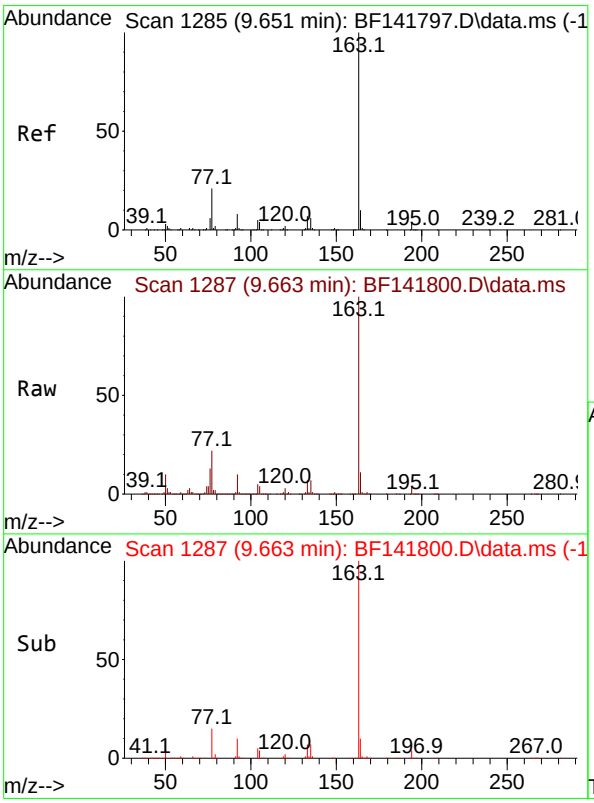
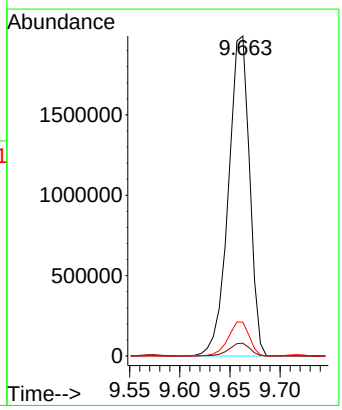
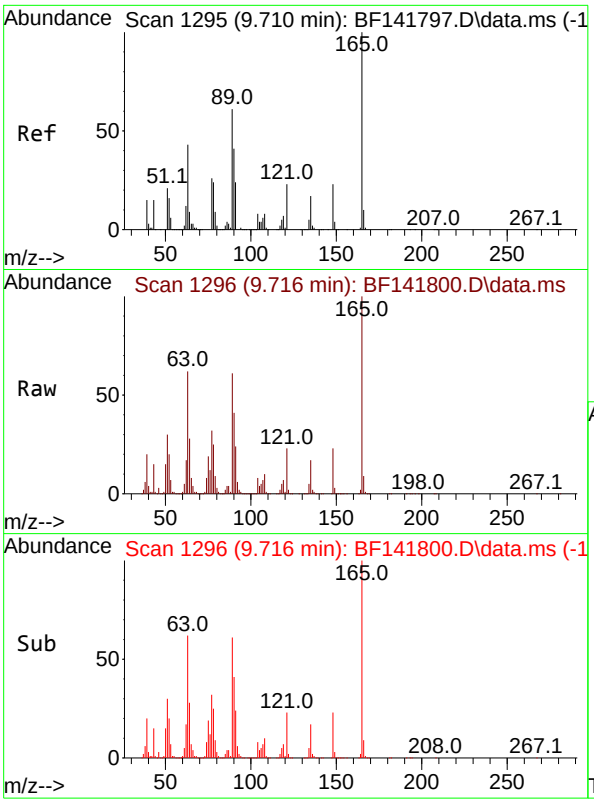


#50
Dimethylphthalate
Concen: 73.107 ng
RT: 9.663 min Scan# 1287
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:163 Resp: 2921217

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.5	8.4	12.6





#51
2,6-Dinitrotoluene
Concen: 79.481 ng
RT: 9.716 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:165 Resp: 62262

Ion	Ratio	Lower	Upper
165	100		
63	61.9	49.5	74.3
89	61.1	49.0	73.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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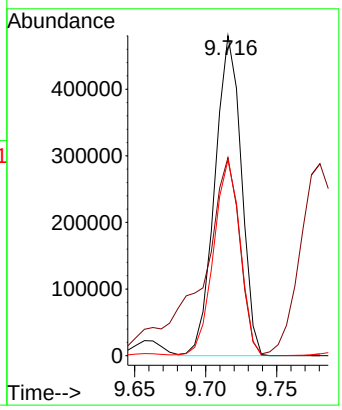
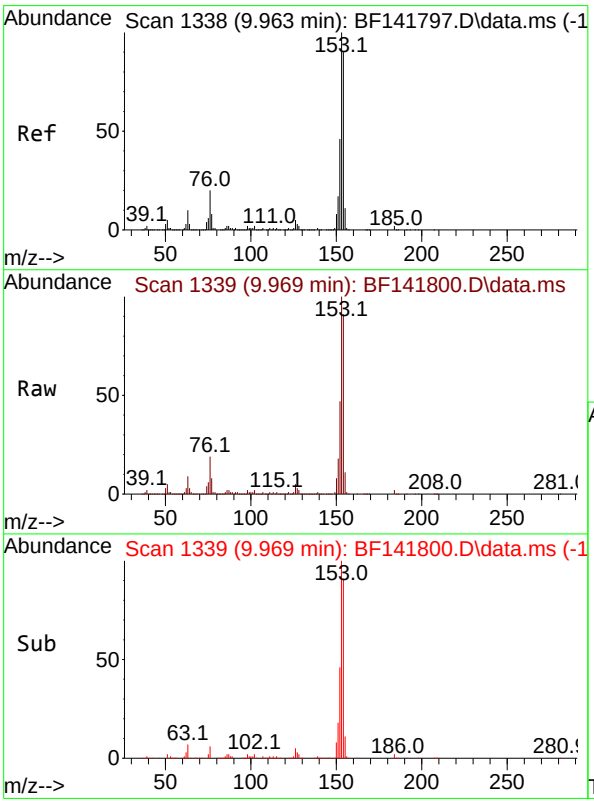
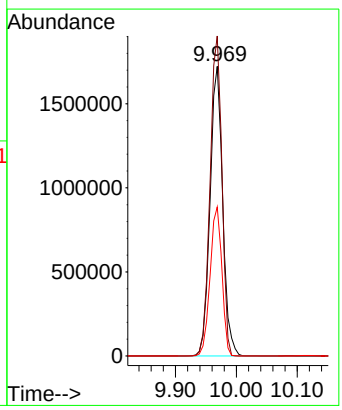


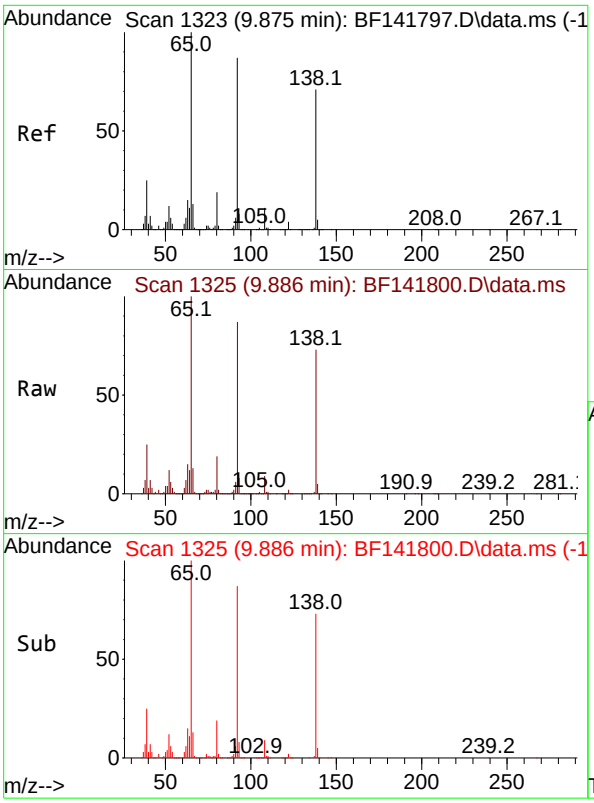


#52
Acenaphthene
Concen: 73.139 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:154 Resp: 2480302

Ion	Ratio	Lower	Upper
154	100		
153	110.5	88.7	133.1
152	51.5	40.9	61.3





#53
3-Nitroaniline
Concen: 79.835 ng
RT: 9.886 min Scan# 1
Delta R.T. 0.011 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:138 Resp: 66711

Ion	Ratio	Lower	Upper
138	100		
108	13.0	12.7	19.1
92	120.1	97.9	146.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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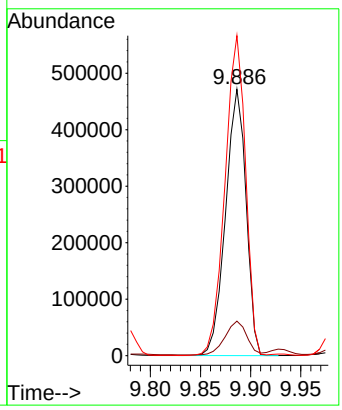
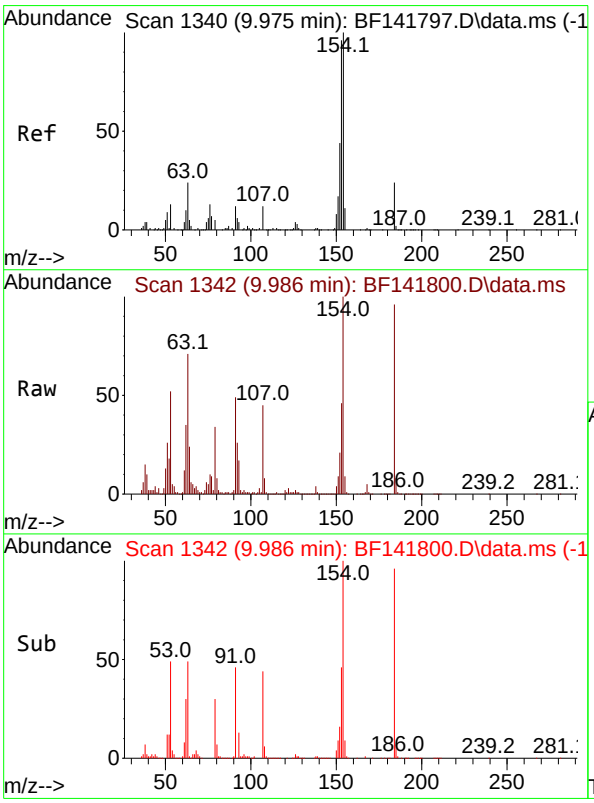
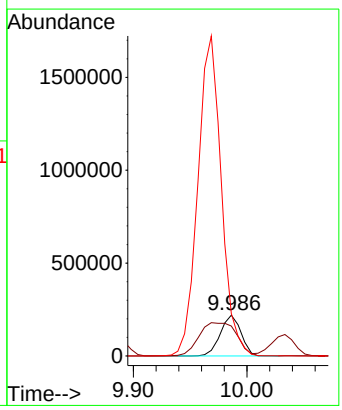


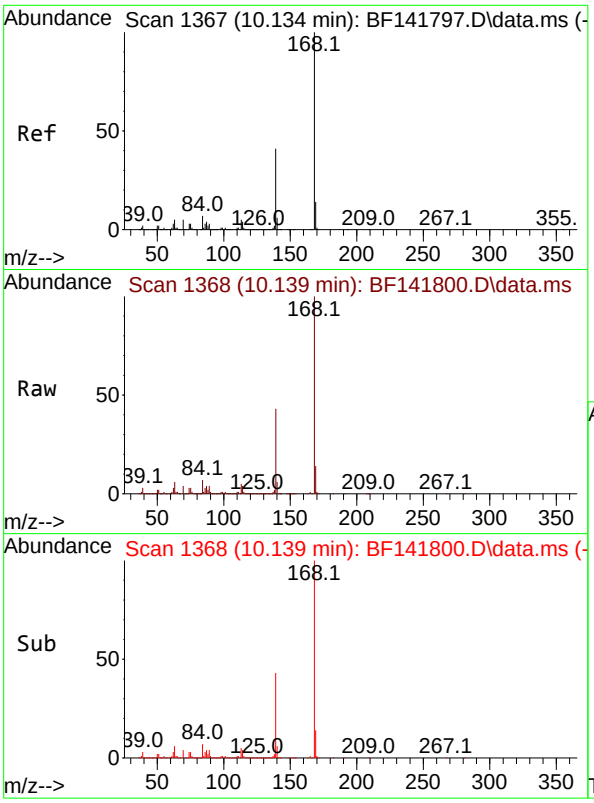


#54
2,4-Dinitrophenol
Concen: 79.409 ng
RT: 9.986 min Scan# 1342
Delta R.T. 0.011 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:184 Resp: 277943

Ion	Ratio	Lower	Upper
184	100		
63	73.4	79.0	118.6#
154	103.9	335.8	503.8#

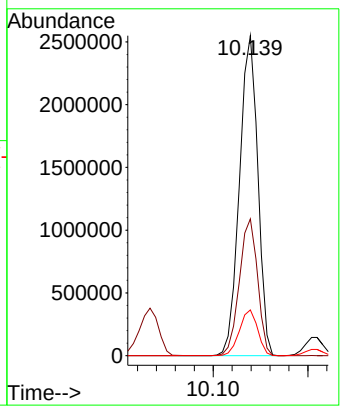




#55
Dibenzofuran
Concen: 69.448 ng
RT: 10.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:168 Resp: 342789

Ion	Ratio	Lower	Upper
168	100		
139	42.7	32.9	49.3
169	14.3	11.1	16.7



Instrument :
BNA_F
ClientSampleId :
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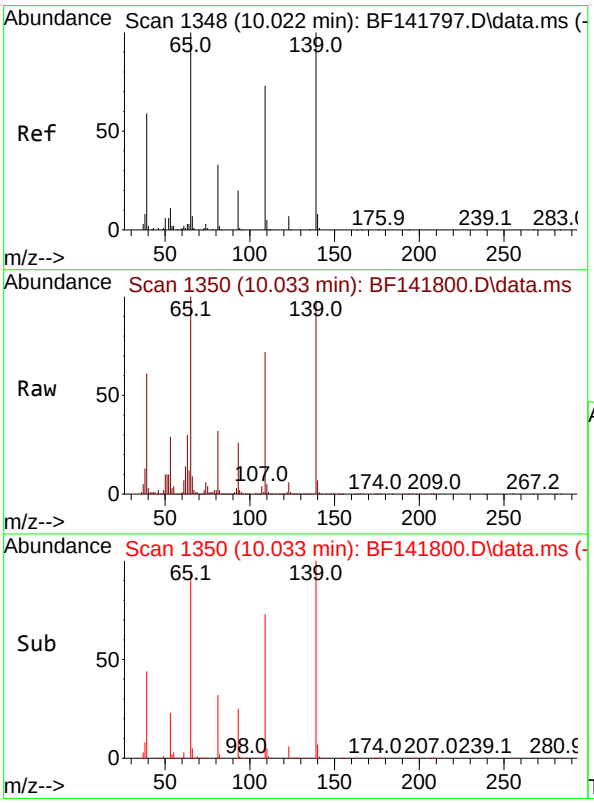
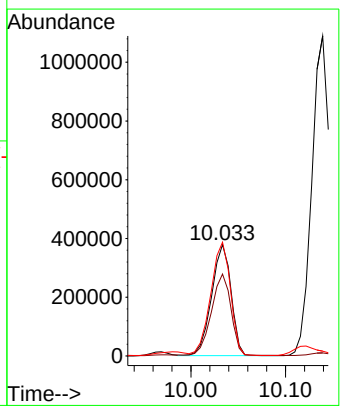
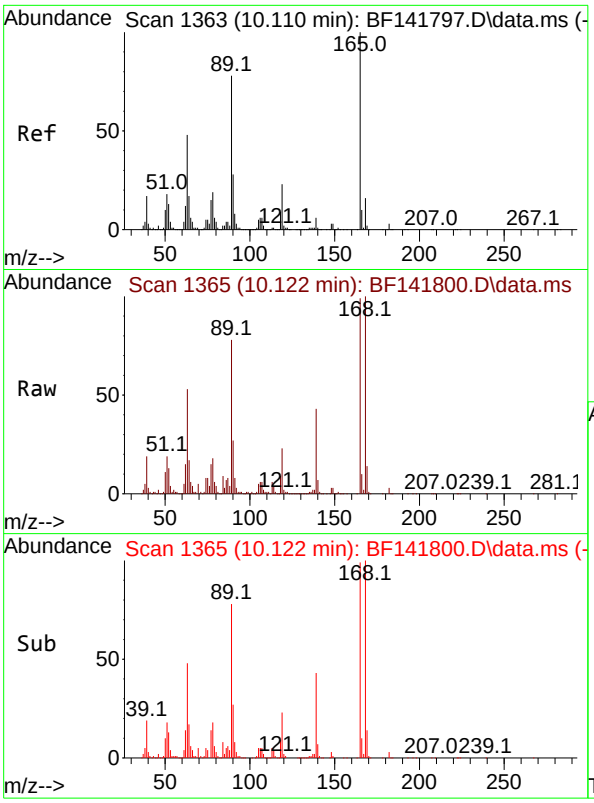


#56
4-Nitrophenol
Concen: 91.723 ng
RT: 10.033 min Scan# 1350
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:139 Resp: 541317

Ion	Ratio	Lower	Upper
139	100		
109	73.6	53.4	93.4
65	102.2	82.1	122.1

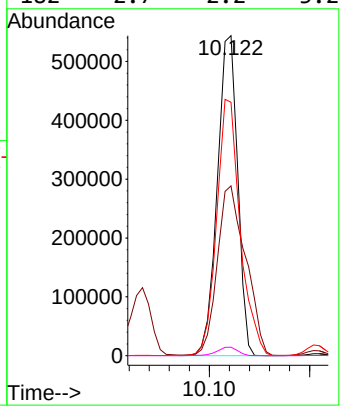




#57
2,4-Dinitrotoluene
Concen: 79.344 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:165 Resp: 76401

Ion	Ratio	Lower	Upper
165	100		
63	53.1	38.8	58.2
89	79.2	62.6	94.0
182	2.7	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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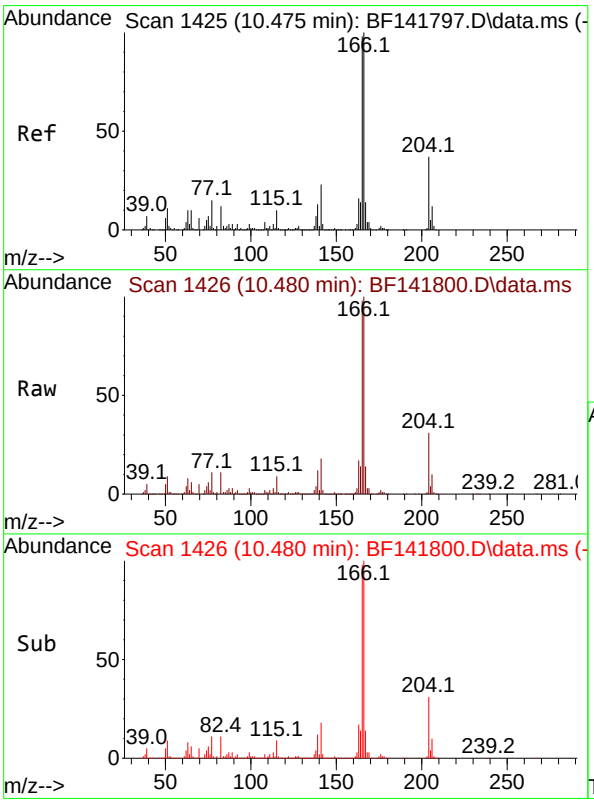
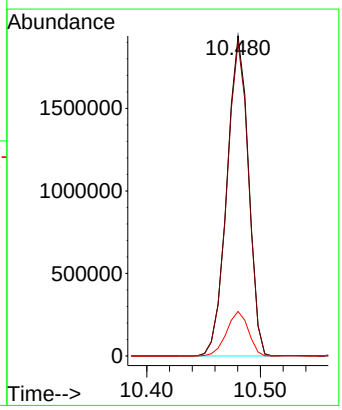
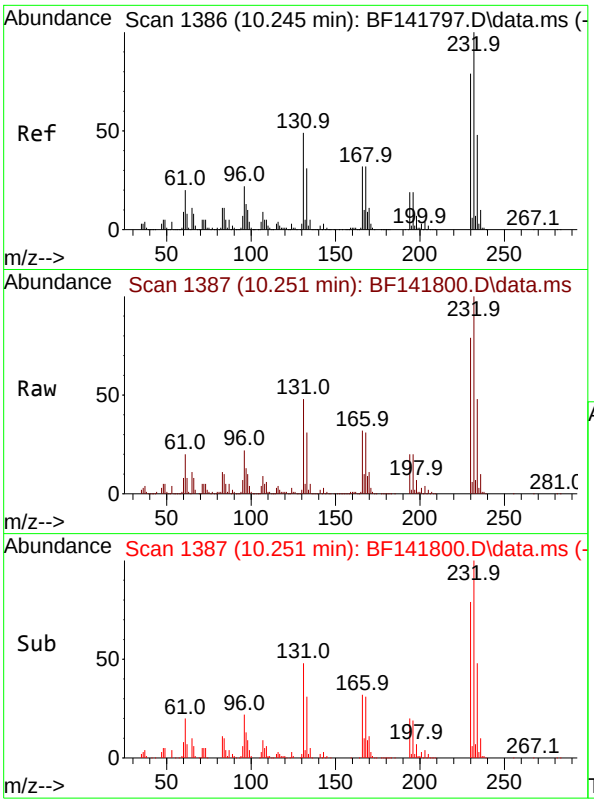


#58
Fluorene
Concen: 69.170 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:166 Resp: 2557382

Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.6	117.8
167	13.9	11.0	16.4

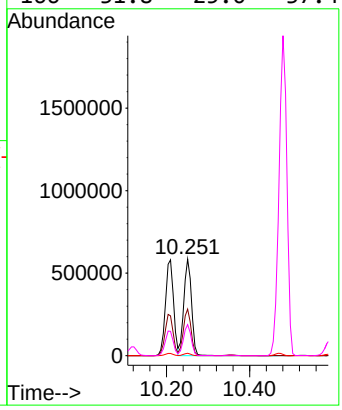




#59
2,3,4,6-Tetrachlorophenol
Concen: 78.537 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:232 Resp: 75291

Ion	Ratio	Lower	Upper
232	100		
131	47.5	37.8	56.8
130	2.4	2.0	3.0
166	31.8	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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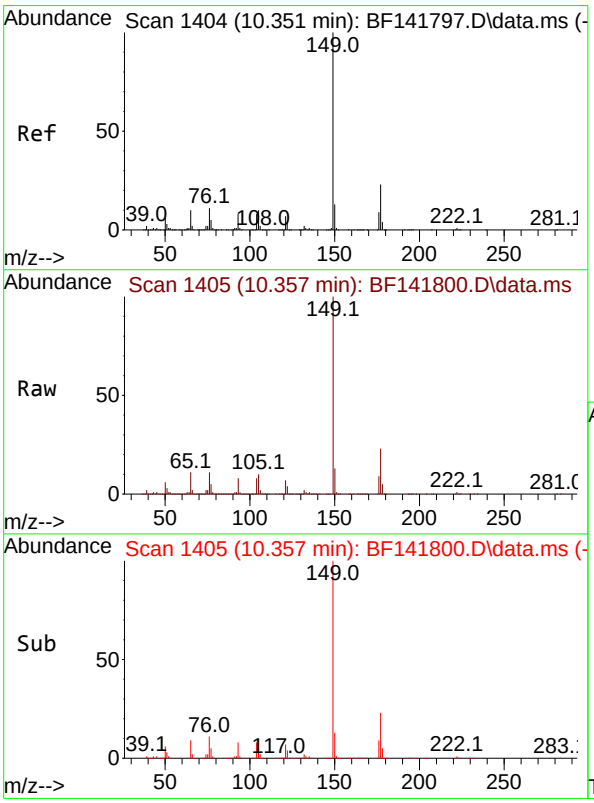
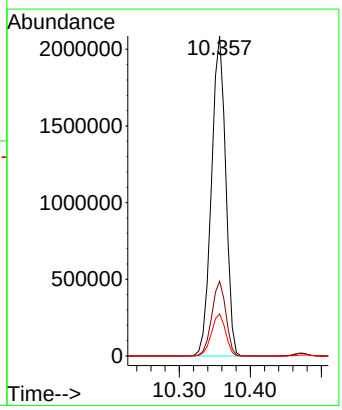
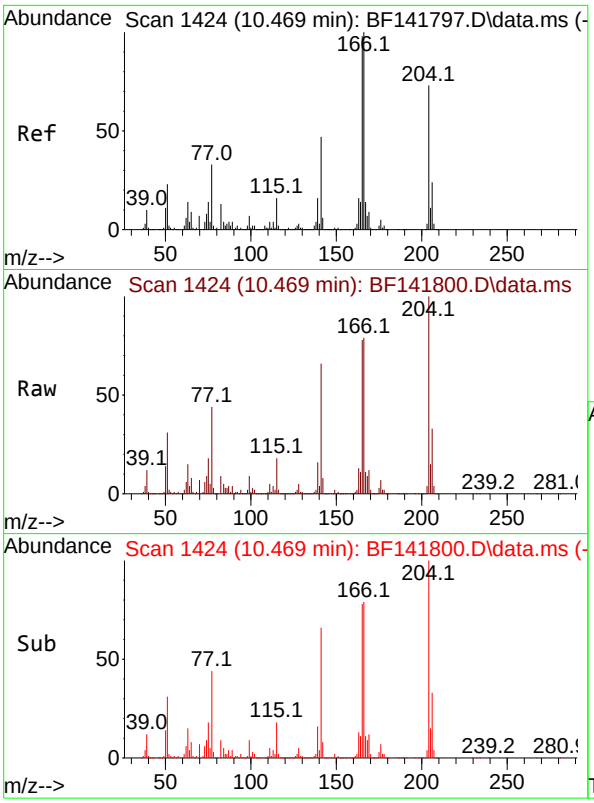


#60
Diethylphthalate
Concen: 72.232 ng
RT: 10.357 min Scan# 1405
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:149 Resp: 2893471

Ion	Ratio	Lower	Upper
149	100		
177	23.3	18.3	27.5
150	13.2	10.3	15.5





#61
4-Chlorophenyl-phenylether
Concen: 72.414 ng
RT: 10.469 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 134144

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.2	39.4
141	65.7	51.7	77.5

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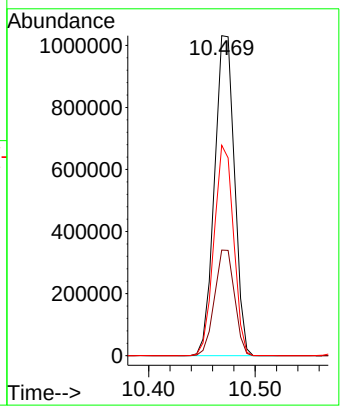
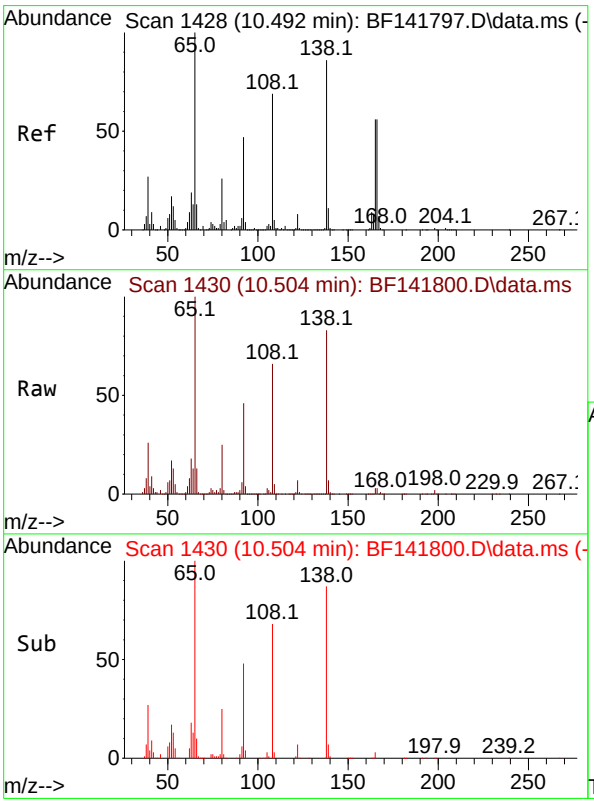
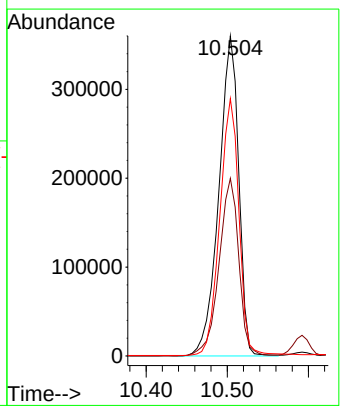


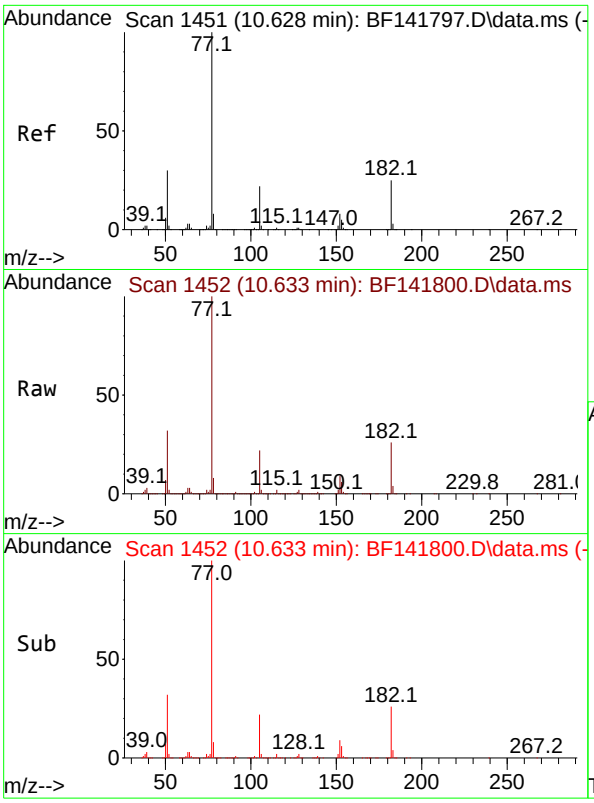


#62
4-Nitroaniline
Concen: 89.663 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:138 Resp: 611855

Ion	Ratio	Lower	Upper
138	100		
92	55.5	34.9	74.9
108	80.4	59.6	99.6

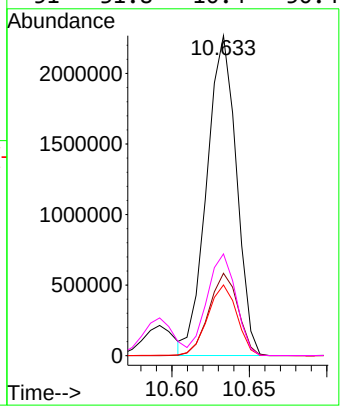




#63
Azobenzene
Concen: 71.441 ng
RT: 10.633 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 77 Resp: 301318

Ion	Ratio	Lower	Upper
77	100		
182	25.7	4.2	44.2
105	22.1	1.5	41.5
51	31.8	10.4	50.4



Instrument :
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ClientSampleId :
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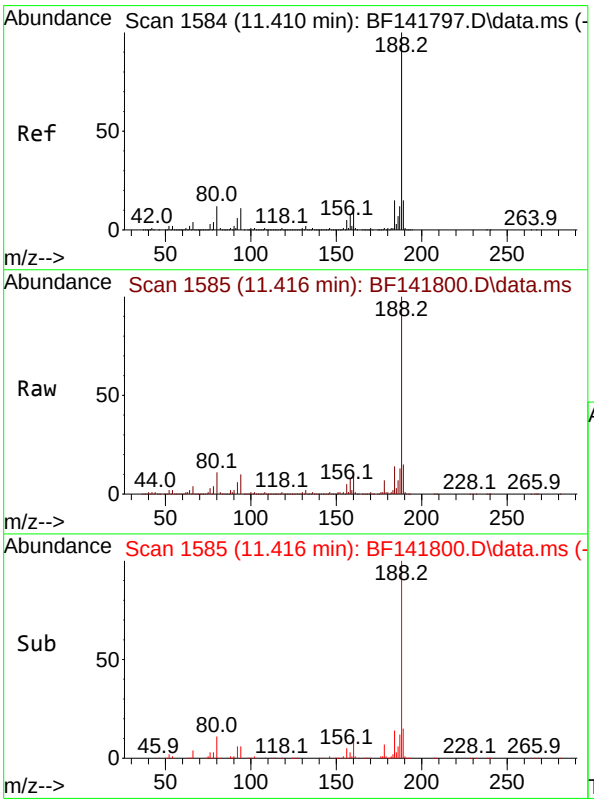
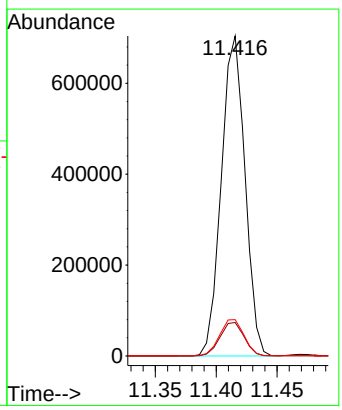
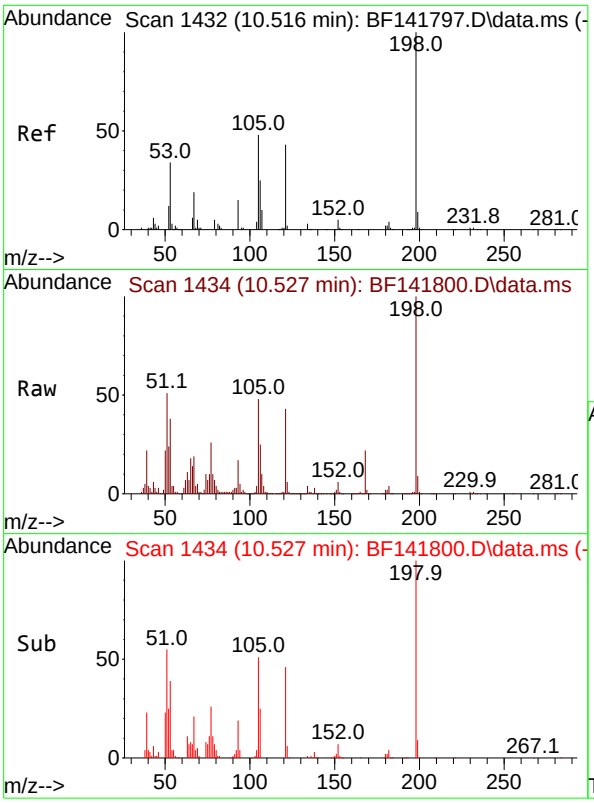


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:188 Resp: 953117

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.9	13.3
80	11.4	9.7	14.5





#65
4,6-Dinitro-2-methylphenol
Concen: 80.929 ng
RT: 10.527 min Scan# 14
Delta R.T. 0.011 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:198 Resp: 39334

Ion	Ratio	Lower	Upper
198	100		
51	50.9	32.1	72.1
105	47.7	28.5	68.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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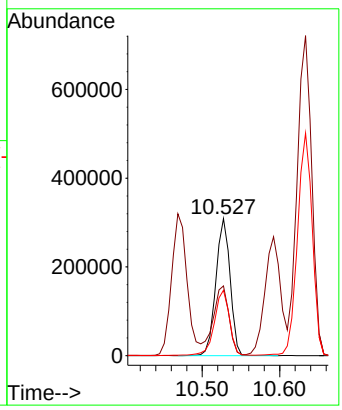
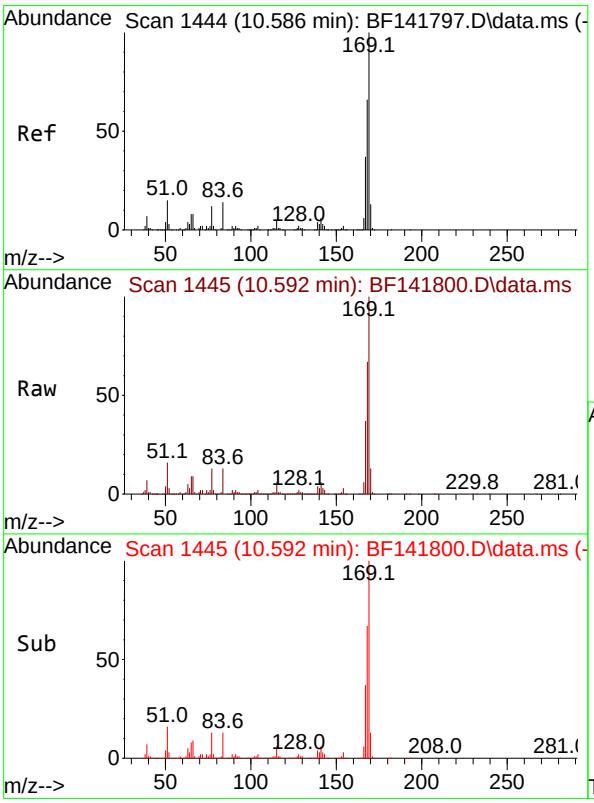
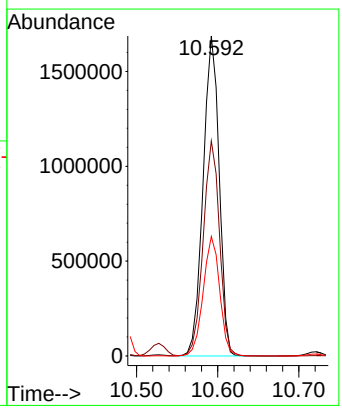


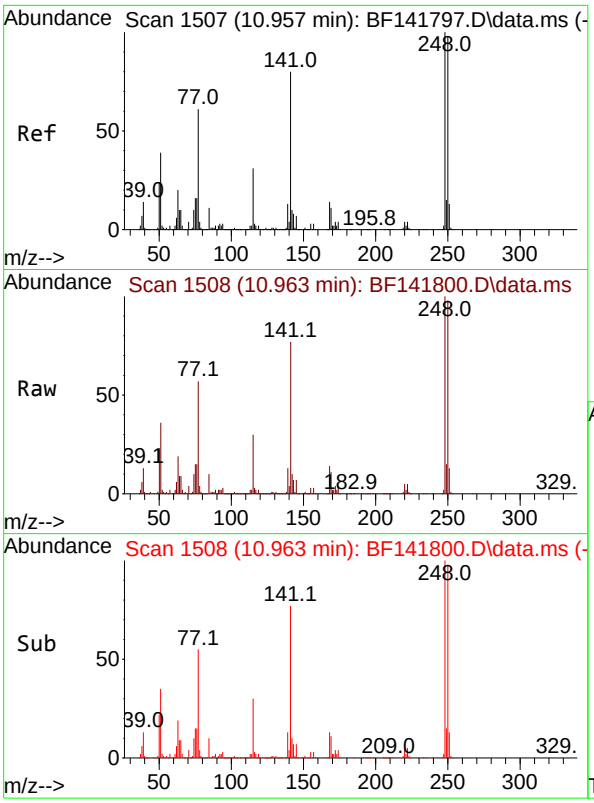


#66
n-Nitrosodiphenylamine
Concen: 73.923 ng
RT: 10.592 min Scan# 1445
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:169 Resp: 2313580

Ion	Ratio	Lower	Upper
169	100		
168	67.2	53.0	79.6
167	37.3	29.3	43.9

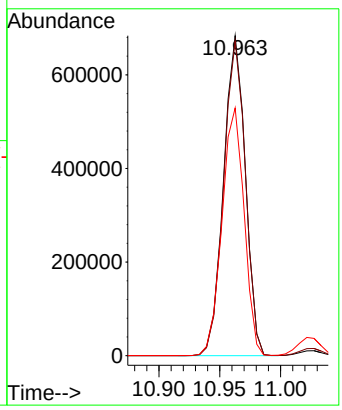




#67
4-Bromophenyl-phenylether
Concen: 76.550 ng
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:248 Resp: 85221

Ion	Ratio	Lower	Upper
248	100		
250	98.3	78.1	117.1
141	77.4	64.3	96.5



Instrument :
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ClientSampleId :
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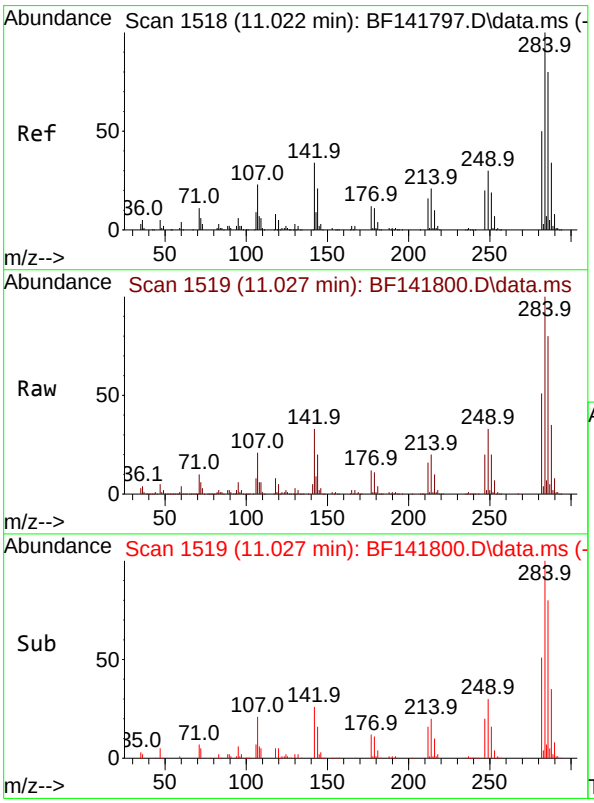
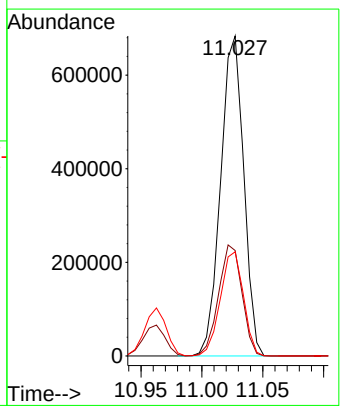
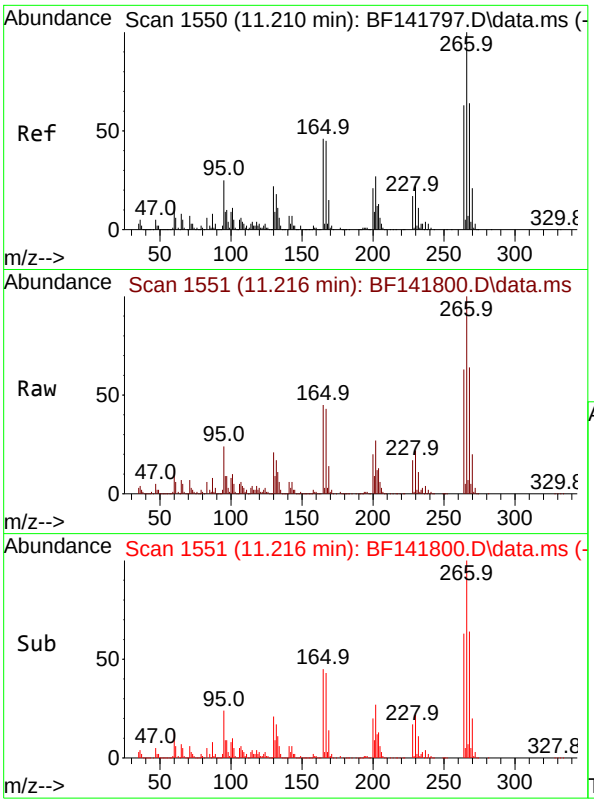


#68
Hexachlorobenzene
Concen: 76.782 ng
RT: 11.027 min Scan# 1519
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:284 Resp: 902644

Ion	Ratio	Lower	Upper
284	100		
142	33.0	28.2	42.2
249	32.5	25.5	38.3

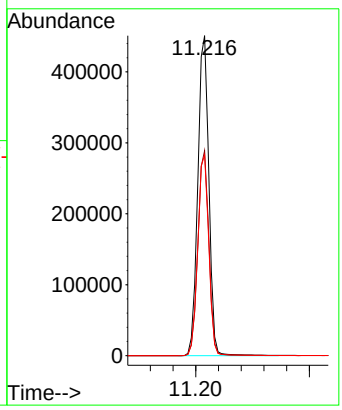




#70
Pentachlorophenol
Concen: 81.849 ng
RT: 11.216 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:266 Resp: 61026

Ion	Ratio	Lower	Upper
266	100		
268	64.0	50.9	76.3
264	62.8	50.2	75.4



Instrument :
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ClientSampleId :
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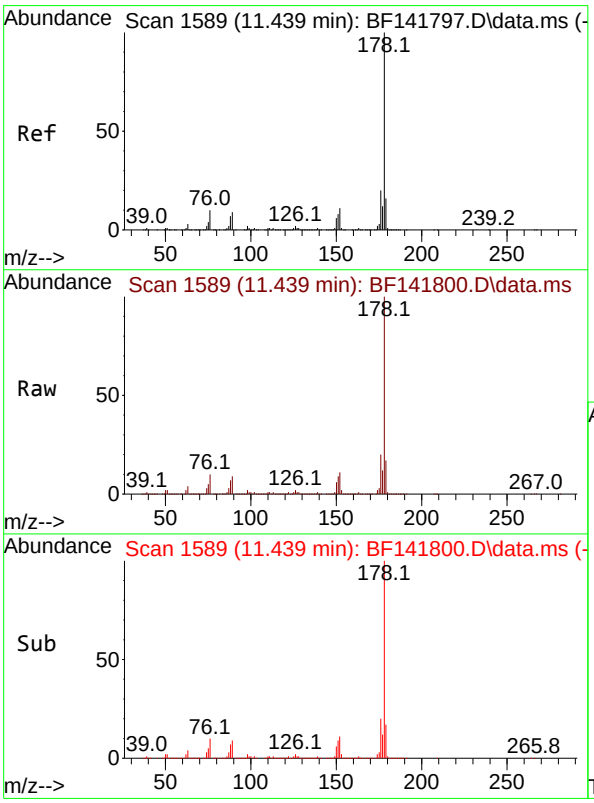
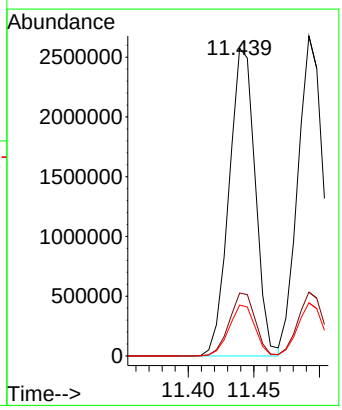
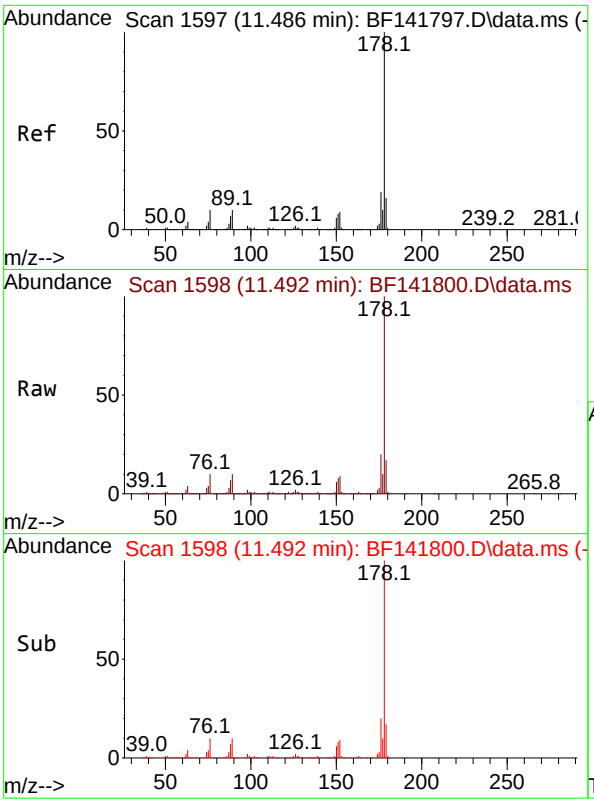


#71
Phenanthrene
Concen: 70.307 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:178 Resp: 3584436

Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.0	24.0
179	16.5	12.6	19.0

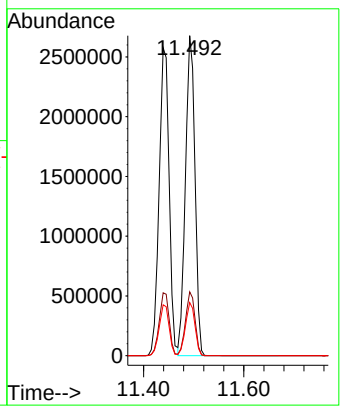




#72
Anthracene
Concen: 69.487 ng
RT: 11.492 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:178 Resp: 355048

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.4	23.0
179	16.6	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
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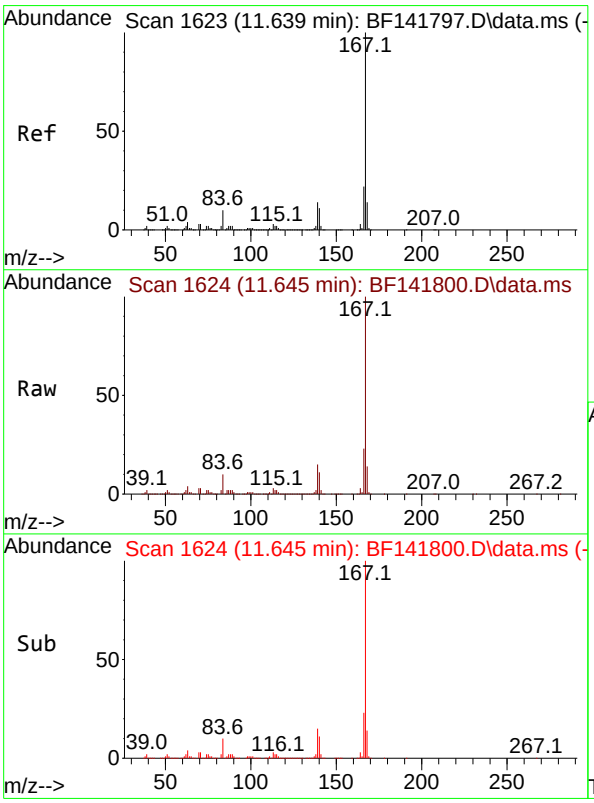
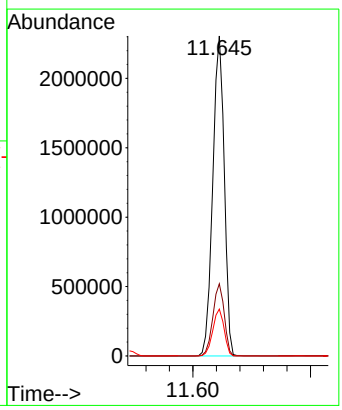
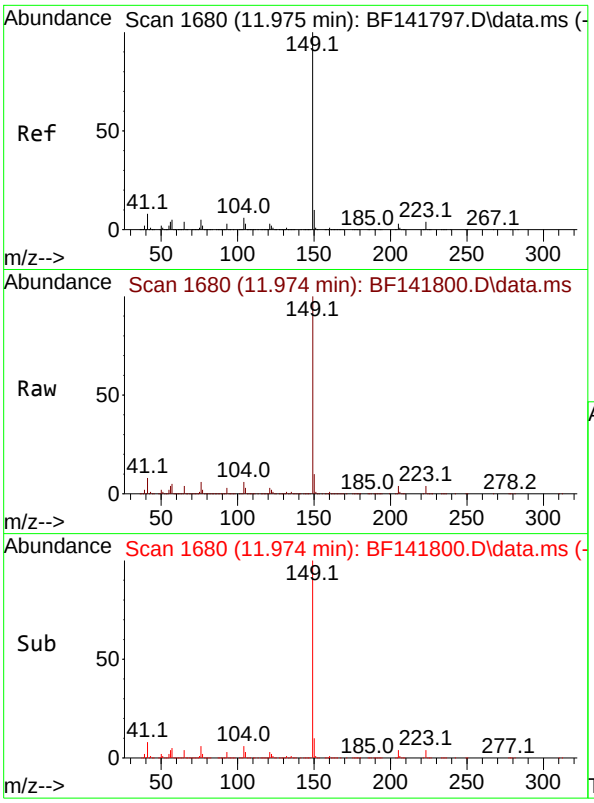


#73
Carbazole
Concen: 69.380 ng
RT: 11.645 min Scan# 1624
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:167 Resp: 3130504

Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.5	26.3
139	14.7	11.3	16.9

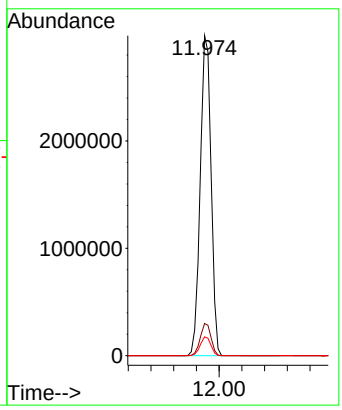




#74
Di-n-butylphthalate
Concen: 68.971 ng
RT: 11.974 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:149 Resp: 394481

Ion	Ratio	Lower	Upper
149	100		
150	10.1	7.7	11.5
104	5.9	4.4	6.6



Instrument :
BNA_F
ClientSampleId :
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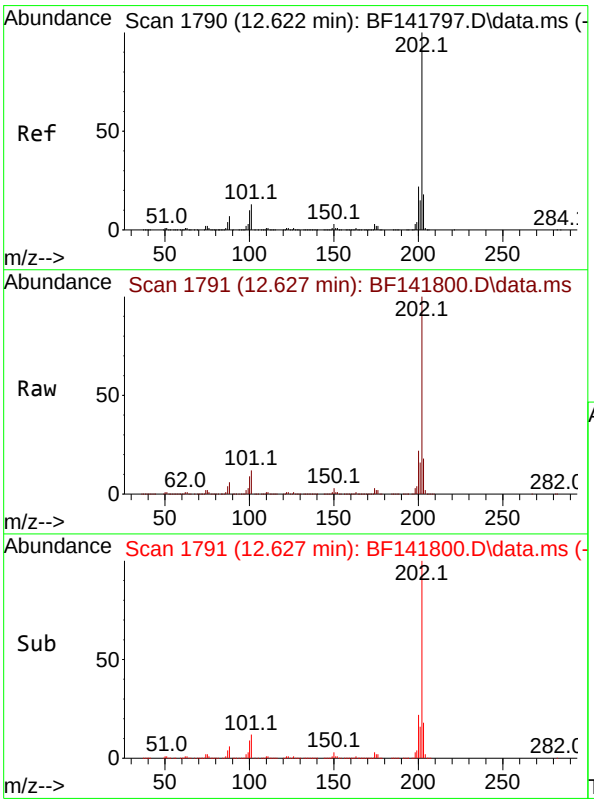
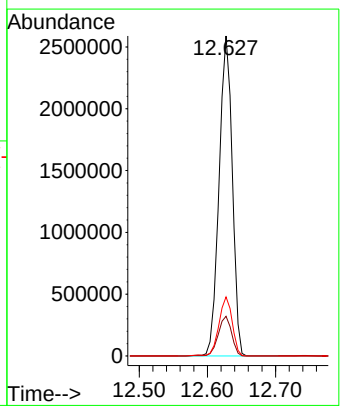
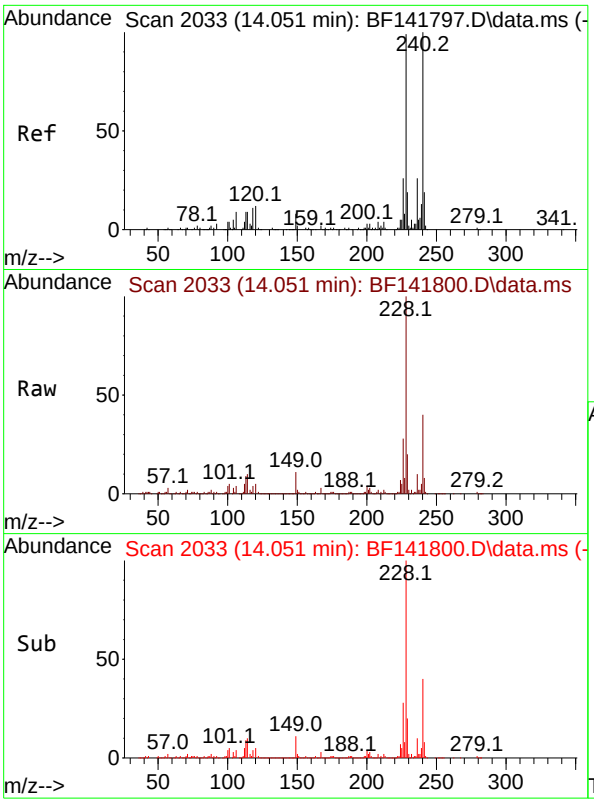


#75
Fluoranthene
Concen: 66.922 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:202 Resp: 3496011

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	32.8
203	18.5	0.0	38.0

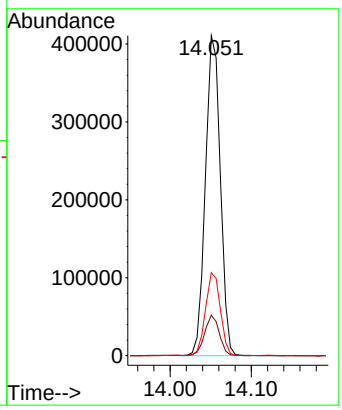




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:240 Resp: 52320

Ion	Ratio	Lower	Upper
240	100		
120	12.6	9.7	14.5
236	26.0	21.0	31.4



Instrument :
BNA_F
ClientSampleId :
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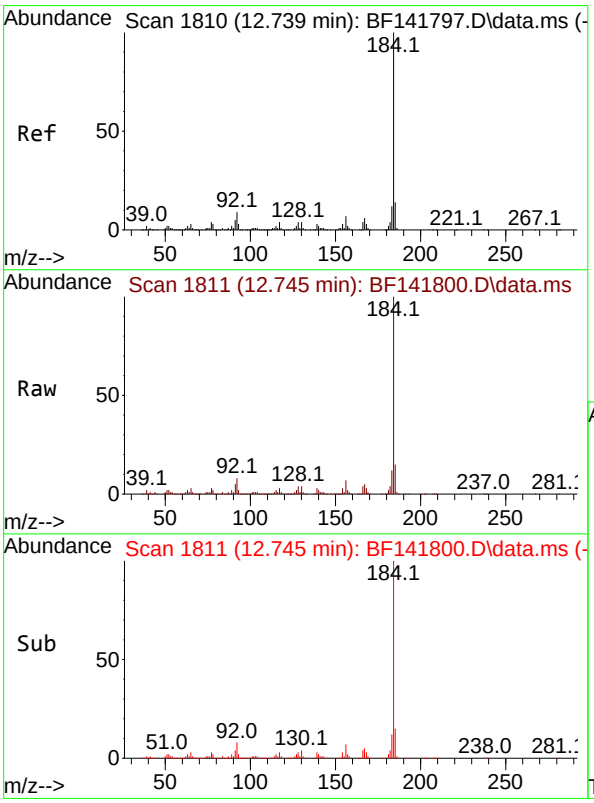
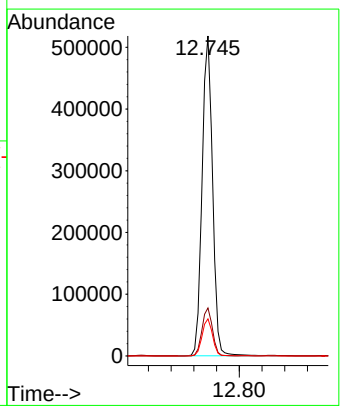
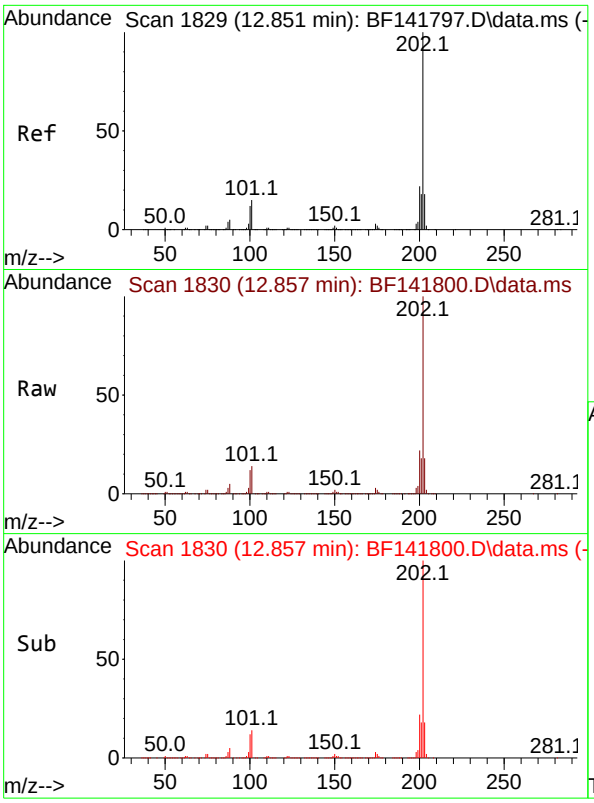


#77
Benzidine
Concen: 100.283 ng
RT: 12.745 min Scan# 1811
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:184 Resp: 660393

Ion	Ratio	Lower	Upper
184	100		
185	15.0	11.6	17.4
183	11.6	9.4	14.0

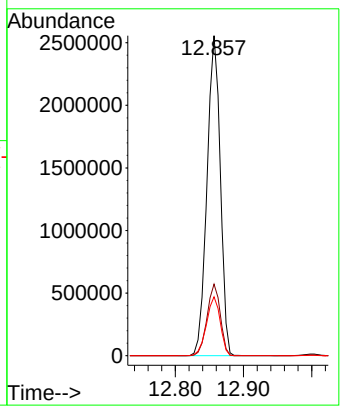




#78
Pyrene
Concen: 76.502 ng
RT: 12.857 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:202 Resp: 346603

Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.4	26.0
203	18.4	14.6	22.0



Instrument :
BNA_F
ClientSampleId :
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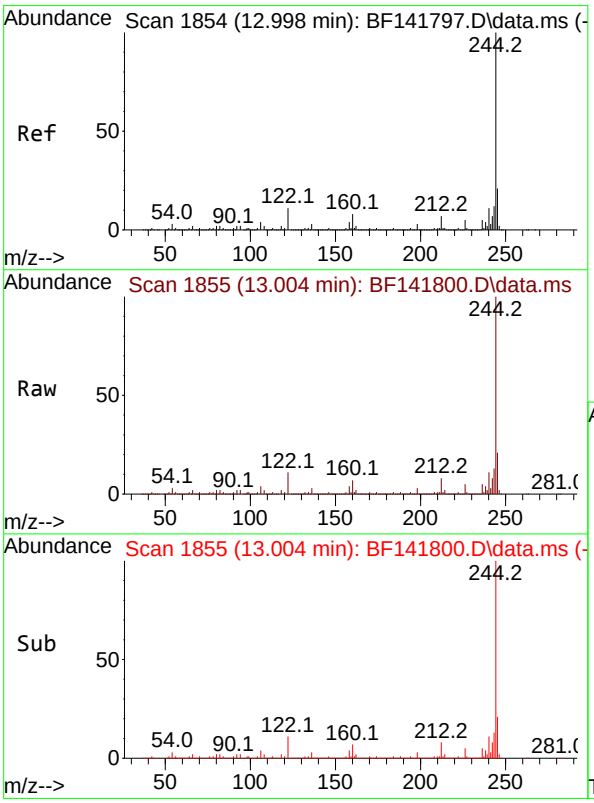
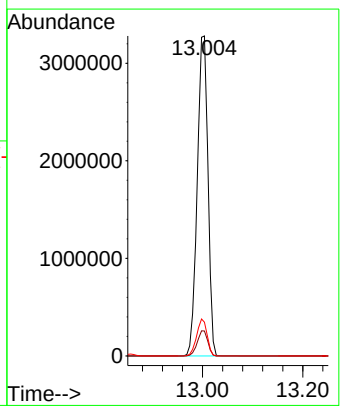
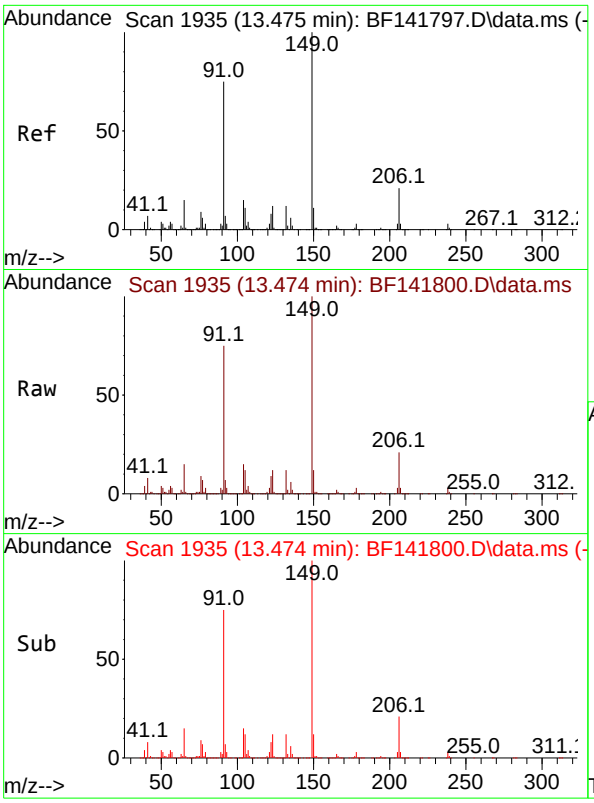


#79
Terphenyl-d14
Concen: 149.765 ng
RT: 13.004 min Scan# 1855
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:244 Resp: 4843134

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.0	9.0
122	10.5	9.0	13.6

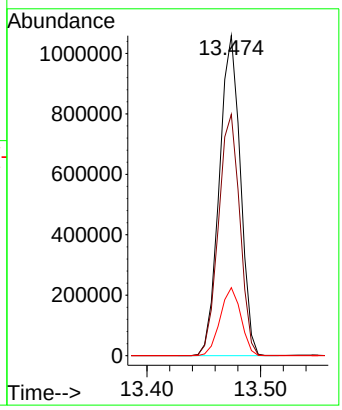




#80
Butylbenzylphthalate
Concen: 82.887 ng
RT: 13.474 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:149 Resp: 136438

Ion	Ratio	Lower	Upper
149	100		
91	75.4	60.1	90.1
206	21.2	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
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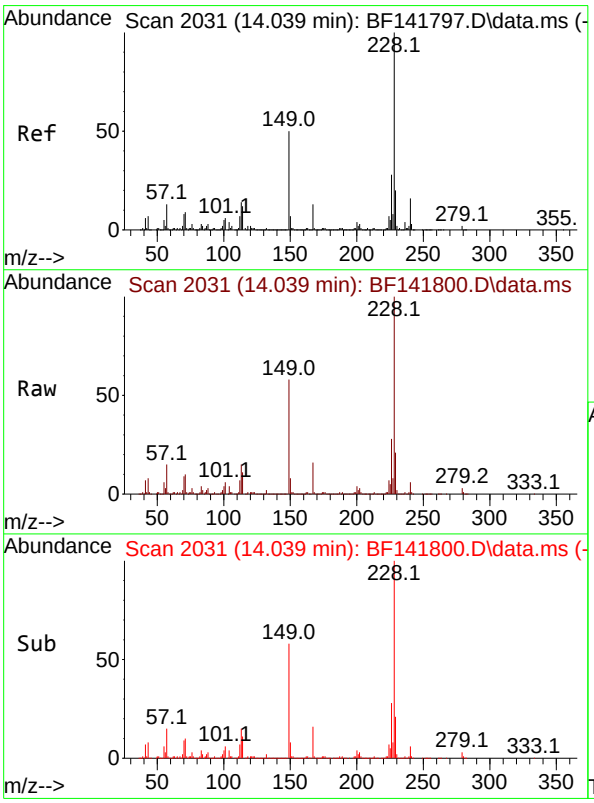
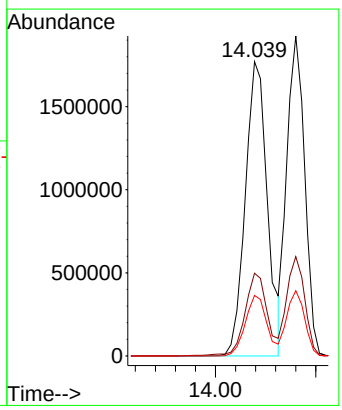
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

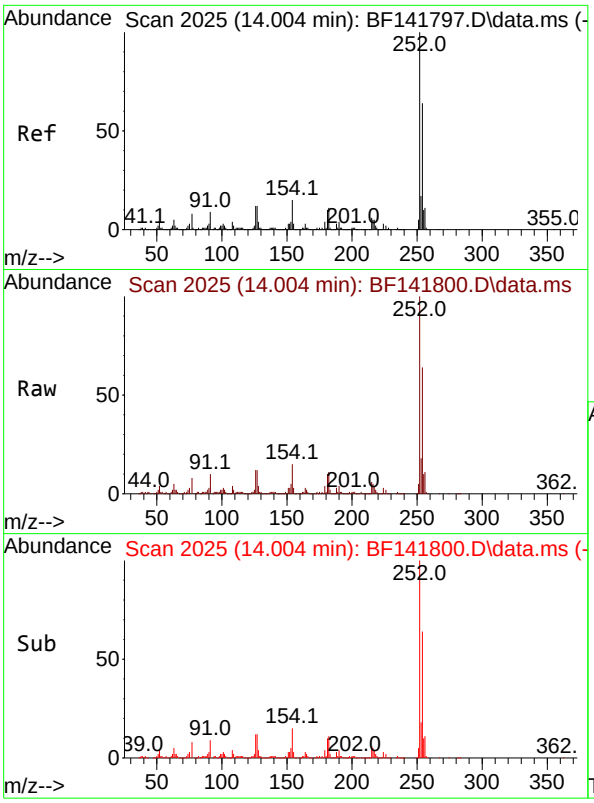


#81
Benzo(a)anthracene
Concen: 78.217 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:228 Resp: 2703093

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.1	33.1
229	20.6	16.1	24.1

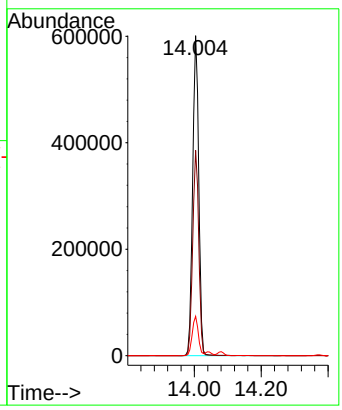




#82
3,3'-Dichlorobenzidine
Concen: 76.939 ng
RT: 14.004 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:252 Resp: 76285

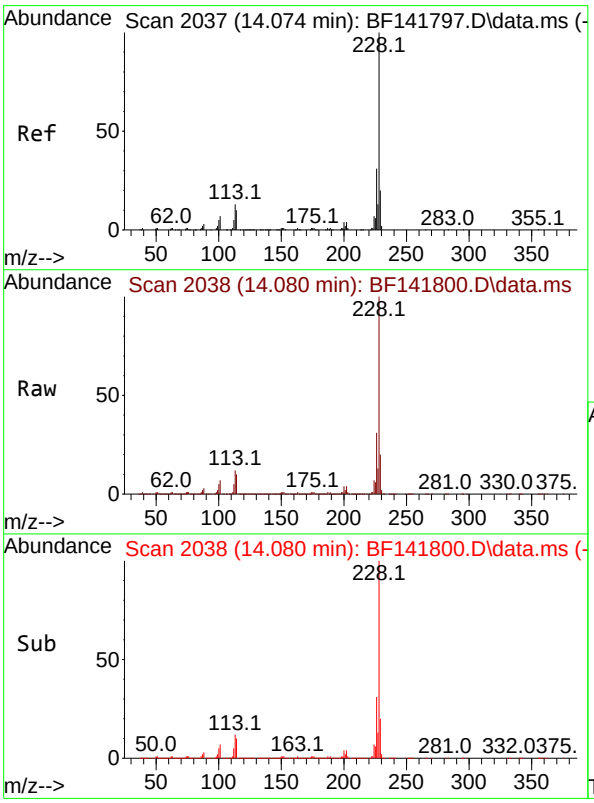
Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.4	77.0
126	12.3	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

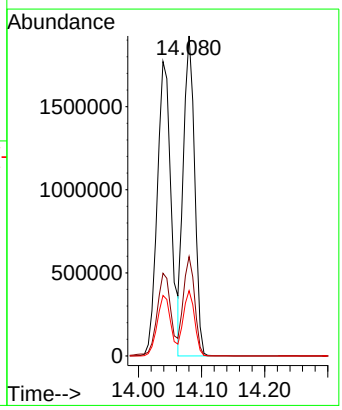
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

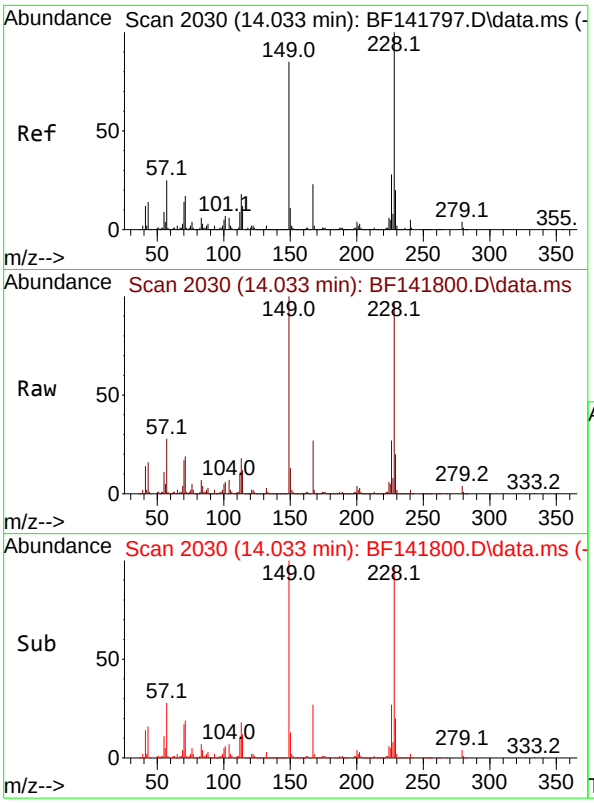


#83
Chrysene
Concen: 75.176 ng
RT: 14.080 min Scan# 2038
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:228 Resp: 2394861

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.6	37.0
229	20.4	16.1	24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 84.426 ng
RT: 14.033 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

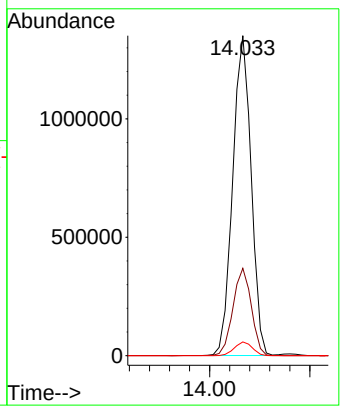
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

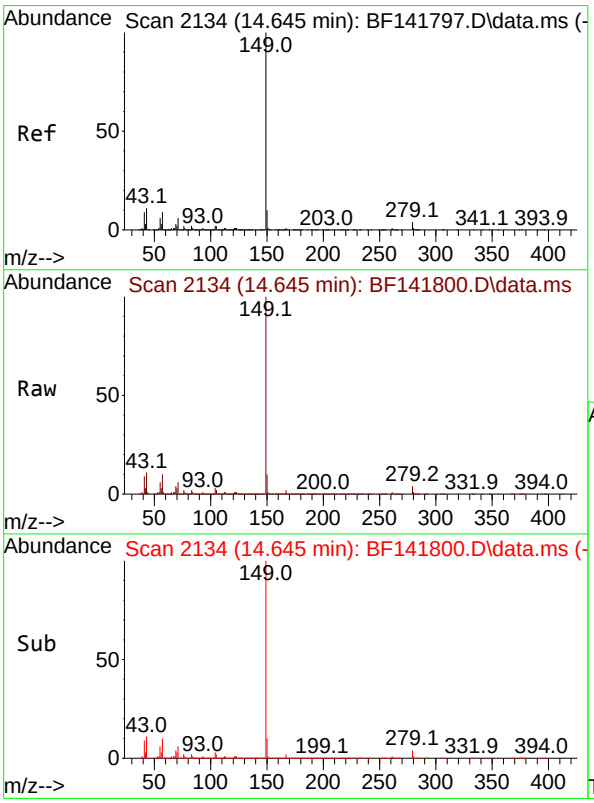
Tgt Ion:149 Resp: 173041

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.2	31.8
279	4.3	3.3	4.9

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

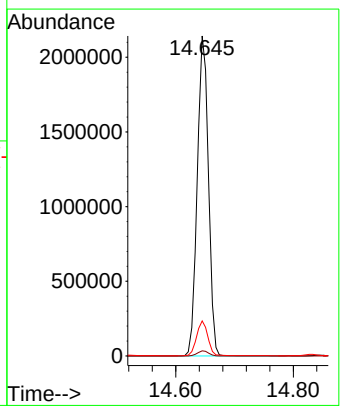


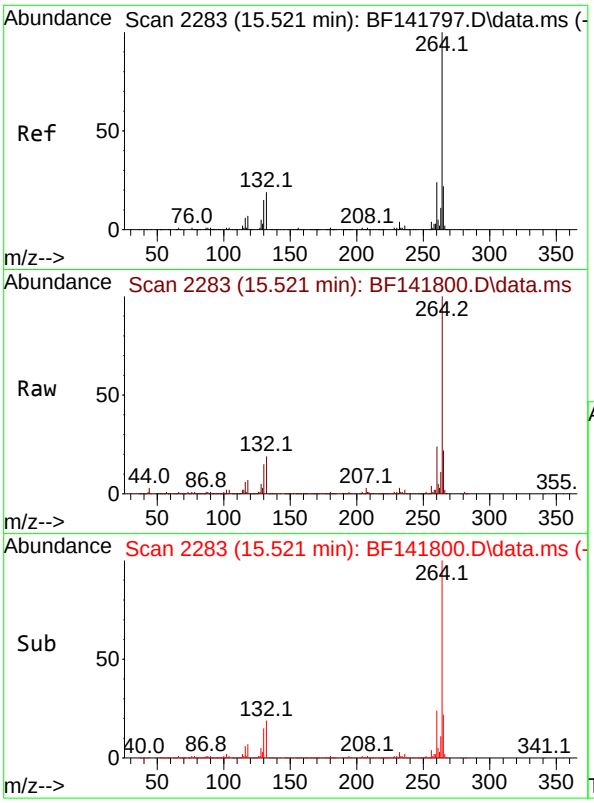


#85
Di-n-octyl phthalate
Concen: 91.958 ng
RT: 14.645 min Scan# 2134
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:149 Resp: 2821762

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	10.9	8.6	12.8

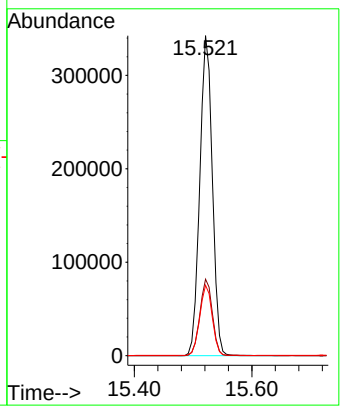




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:264 Resp: 50861

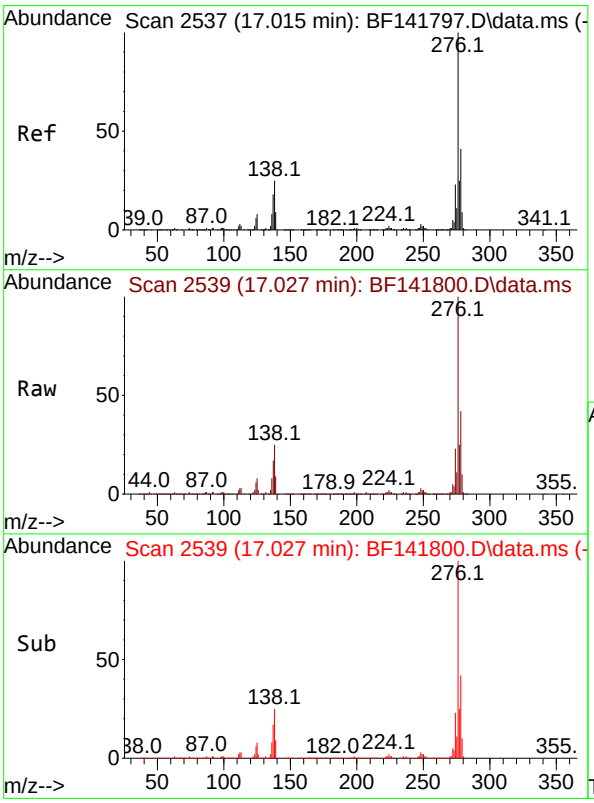
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.9	28.3
265	22.0	17.4	26.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

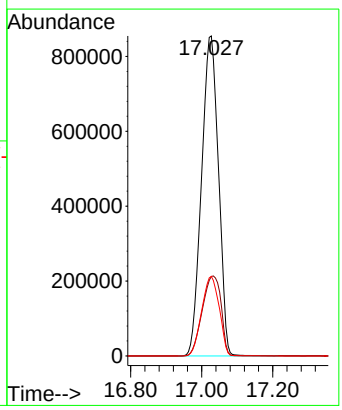
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

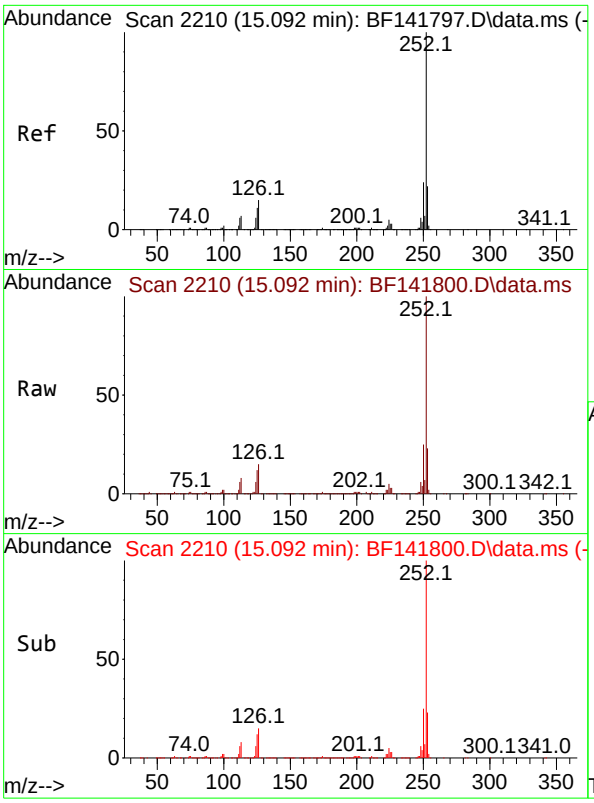


#87
Indeno(1,2,3-cd)pyrene
Concen: 87.778 ng
RT: 17.027 min Scan# 2539
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:276 Resp: 2842850

Ion	Ratio	Lower	Upper
276	100		
138	27.7	22.5	33.7
277	25.7	20.3	30.5

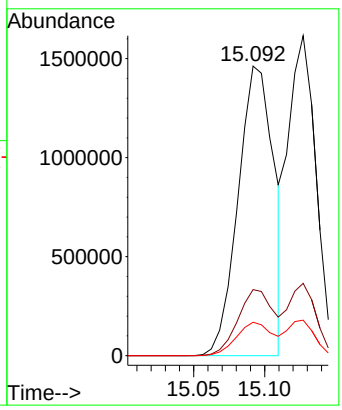




#88
Benzo(b)fluoranthene
Concen: 73.777 ng
RT: 15.092 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:252 Resp: 255601

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	11.6	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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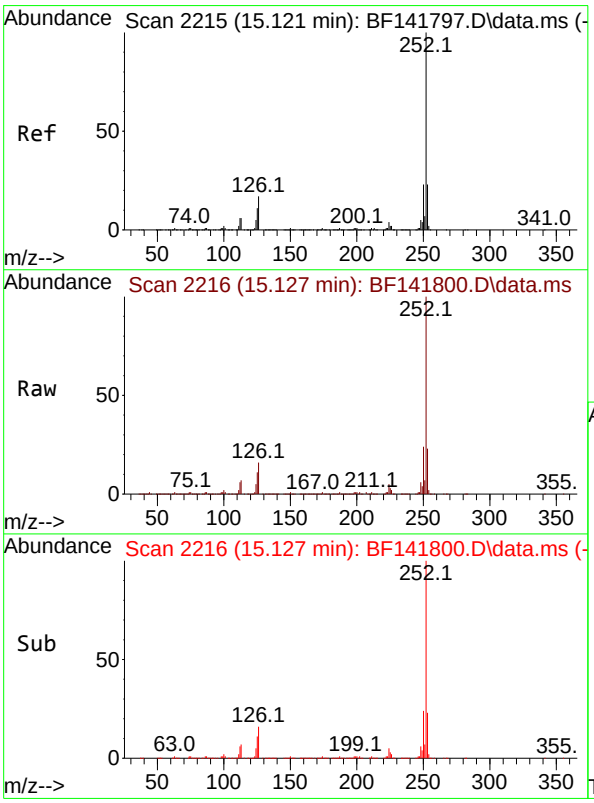
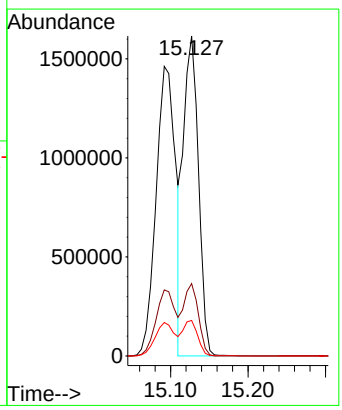
Supervised By :mohammad ahmed 02/28/2025

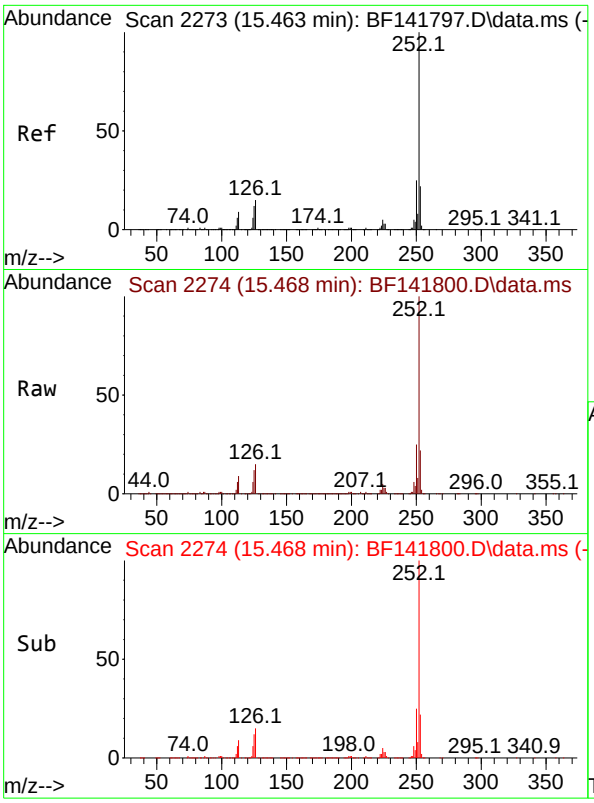


#89
Benzo(k)fluoranthene
Concen: 74.176 ng
RT: 15.127 min Scan# 2216
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:252 Resp: 2184261

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	11.1	8.8	13.2





#90
Benzo(a)pyrene
Concen: 77.617 ng
RT: 15.468 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

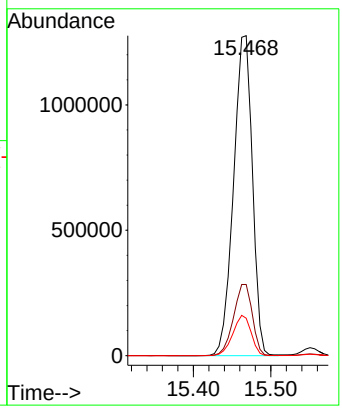
Tgt Ion:252 Resp: 215658

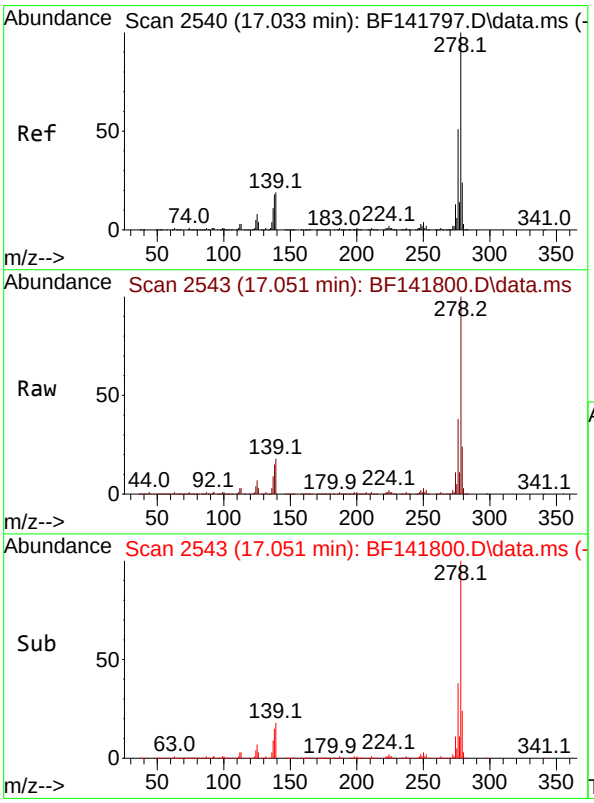
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	11.7	9.4	14.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

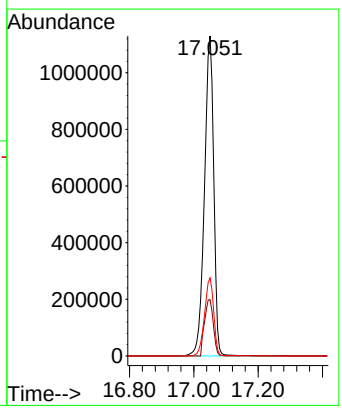


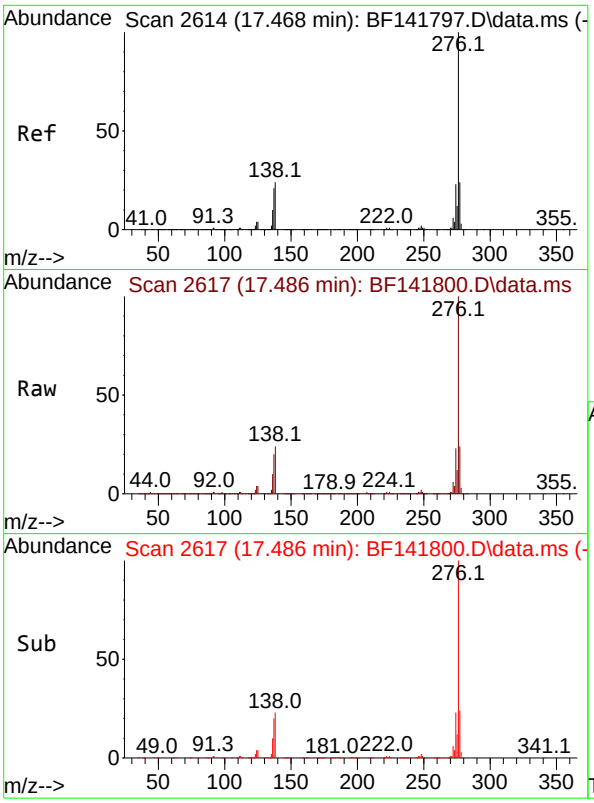


#91
Dibenzo(a,h)anthracene
Concen: 85.844 ng
RT: 17.051 min Scan# 2543
Delta R.T. 0.017 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:278 Resp: 2269377

Ion	Ratio	Lower	Upper
278	100		
139	17.6	14.9	22.3
279	24.4	19.3	28.9

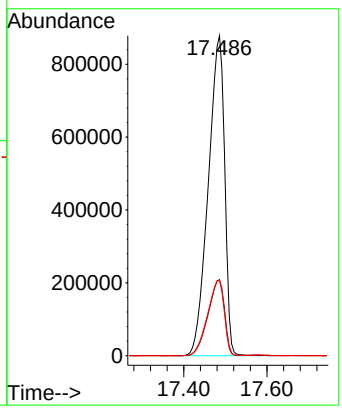




#92
Benzo(g,h,i)perylene
Concen: 88.534 ng
RT: 17.486 min Scan# 2
Delta R.T. 0.017 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:276 Resp: 239775

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.4	29.0
138	23.5	19.3	28.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141801.D
Acq On : 27 Feb 2025 19:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Quant Time: Feb 28 01:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.892	152	336406	20.000	ng		0.00
21) Naphthalene-d8	8.175	136	1367272	20.000	ng		0.00
39) Acenaphthene-d10	9.928	164	753741	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	1211382	20.000	ng		0.00
76) Chrysene-d12	14.051	240	696919	20.000	ng		0.00
86) Perylene-d12	15.521	264	634238	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	1736670	82.443	ng		0.00
7) Phenol-d6	6.510	99	2276751	83.039	ng		0.00
23) Nitrobenzene-d5	7.457	82	2025812	94.707	ng		0.00
42) 2,4,6-Tribromophenol	10.716	330	596677	84.321	ng		0.00
45) 2-Fluorobiphenyl	9.245	172	3570541	75.957	ng		0.00
79) Terphenyl-d14	12.998	244	3534753	82.060	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.681	88	396533	41.486	ng		100
3) Pyridine	3.446	79	1012428	42.572	ng		99
4) n-Nitrosodimethylamine	3.404	42	498621	43.575	ng		99
6) Aniline	6.557	93	1221626	42.857	ng		100
8) 2-Chlorophenol	6.675	128	957321	42.011	ng		100
9) Benzaldehyde	6.440	77	696694	43.684	ng		99
10) Phenol	6.528	94	1219216	41.614	ng		99
11) bis(2-Chloroethyl)ether	6.628	93	932690	41.763	ng		99
12) 1,3-Dichlorobenzene	6.834	146	1012705	41.498	ng		99
13) 1,4-Dichlorobenzene	6.910	146	1009763	41.066	ng		99
14) 1,2-Dichlorobenzene	7.063	146	938112	40.857	ng		100
15) Benzyl Alcohol	7.028	79	932679	42.564	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	1447535	42.679	ng		99
17) 2-Methylphenol	7.134	107	796850	42.365	ng		100
18) Hexachloroethane	7.404	117	389901	42.366	ng		99
19) n-Nitroso-di-n-propyla...	7.310	70	748423	41.525	ng		99
20) 3+4-Methylphenols	7.292	107	979968	41.840	ng	#	85
22) Acetophenone	7.298	105	1345874	40.417	ng		98
24) Nitrobenzene	7.475	77	1047974	45.751	ng		100
25) Isophorone	7.710	82	1881562	40.944	ng		99
26) 2-Nitrophenol	7.787	139	462297	45.447	ng		99
27) 2,4-Dimethylphenol	7.816	122	708317	41.931	ng		100
28) bis(2-Chloroethoxy)met...	7.922	93	1183035	40.357	ng		100
29) 2,4-Dichlorophenol	8.022	162	821536	42.157	ng		100
30) 1,2,4-Trichlorobenzene	8.110	180	870339	40.757	ng		100
31) Naphthalene	8.192	128	2800645	39.854	ng		100
32) Benzoic acid	7.939	122	635541	45.545	ng		99
33) 4-Chloroaniline	8.239	127	1033113	40.096	ng		99
34) Hexachlorobutadiene	8.310	225	544620	41.042	ng		99
35) Caprolactam	8.616	113	256209	42.737	ng		99
36) 4-Chloro-3-methylphenol	8.710	107	905842	41.844	ng		100
37) 2-Methylnaphthalene	8.881	142	1830313	39.710	ng		99
38) 1-Methylnaphthalene	8.981	142	1752937	39.635	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	872629	40.086	ng		100
41) Hexachlorocyclopentadiene	9.039	237	354082	38.975	ng		98
43) 2,4,6-Trichlorophenol	9.157	196	592786	42.156	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141801.D
Acq On : 27 Feb 2025 19:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Quant Time: Feb 28 01:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	582125	41.806	ng		100
46) 1,1'-Biphenyl	9.351	154	2229687	38.864	ng		100
47) 2-Chloronaphthalene	9.375	162	1663643	39.288	ng		100
48) 2-Nitroaniline	9.463	65	514104	44.684	ng		99
49) Acenaphthylene	9.792	152	2533613	39.907	ng		100
50) Dimethylphthalate	9.651	163	2031698	40.250	ng		100
51) 2,6-Dinitrotoluene	9.710	165	425445	44.292	ng		97
52) Acenaphthene	9.963	154	1734464	40.488	ng		99
53) 3-Nitroaniline	9.881	138	449174	43.938	ng		95
54) 2,4-Dinitrophenol	9.981	184	176378	47.494	ng	#	1
55) Dibenzofuran	10.133	168	2456099	39.391	ng		100
56) 4-Nitrophenol	10.022	139	370704	49.725	ng		99
57) 2,4-Dinitrotoluene	10.110	165	536914	45.704	ng		99
58) Fluorene	10.475	166	1800318	38.547	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	515976	42.607	ng		100
60) Diethylphthalate	10.351	149	2018830	39.896	ng		100
61) 4-Chlorophenyl-phenyle...	10.469	204	901998	38.546	ng		99
62) 4-Nitroaniline	10.492	138	421232	48.866	ng		99
63) Azobenzene	10.628	77	2141198	40.188	ng		99
65) 4,6-Dinitro-2-methylph...	10.516	198	256241	45.441	ng		99
66) n-Nitrosodiphenylamine	10.586	169	1608263	40.431	ng		100
67) 4-Bromophenyl-phenylether	10.957	248	574667	40.614	ng		99
68) Hexachlorobenzene	11.022	284	608067	40.697	ng		99
69) Atrazine	11.110	200	420733	38.463	ng		99
70) Pentachlorophenol	11.210	266	417260	44.032	ng		100
71) Phenanthrene	11.439	178	2557877	39.475	ng		100
72) Anthracene	11.486	178	2540876	39.126	ng		99
73) Carbazole	11.639	167	2254761	39.317	ng		100
74) Di-n-butylphthalate	11.975	149	2874276	39.540	ng		100
75) Fluoranthene	12.622	202	2552790	38.448	ng		100
77) Benzidine	12.739	184	657519	74.959	ng		99
78) Pyrene	12.851	202	2553211	42.307	ng		100
80) Butylbenzylphthalate	13.469	149	957186	43.655	ng		98
81) Benzo(a)anthracene	14.039	228	1852195	40.236	ng		100
82) 3,3'-Dichlorobenzidine	14.004	252	573075	43.392	ng		100
83) Chrysene	14.074	228	1718188	40.491	ng		99
84) Bis(2-ethylhexyl)phtha...	14.033	149	1183508	43.350	ng		99
85) Di-n-octyl phthalate	14.645	149	1881499	46.033	ng		99
87) Indeno(1,2,3-cd)pyrene	17.015	276	1767077	43.754	ng		100
88) Benzo(b)fluoranthene	15.086	252	1710890	39.602	ng		99
89) Benzo(k)fluoranthene	15.121	252	1454422	39.608	ng		99
90) Benzo(a)pyrene	15.457	252	1416788	40.891	ng		99
91) Dibenzo(a,h)anthracene	17.033	278	1440368	43.693	ng		100
92) Benzo(g,h,i)perylene	17.468	276	1484943	43.969	ng		99

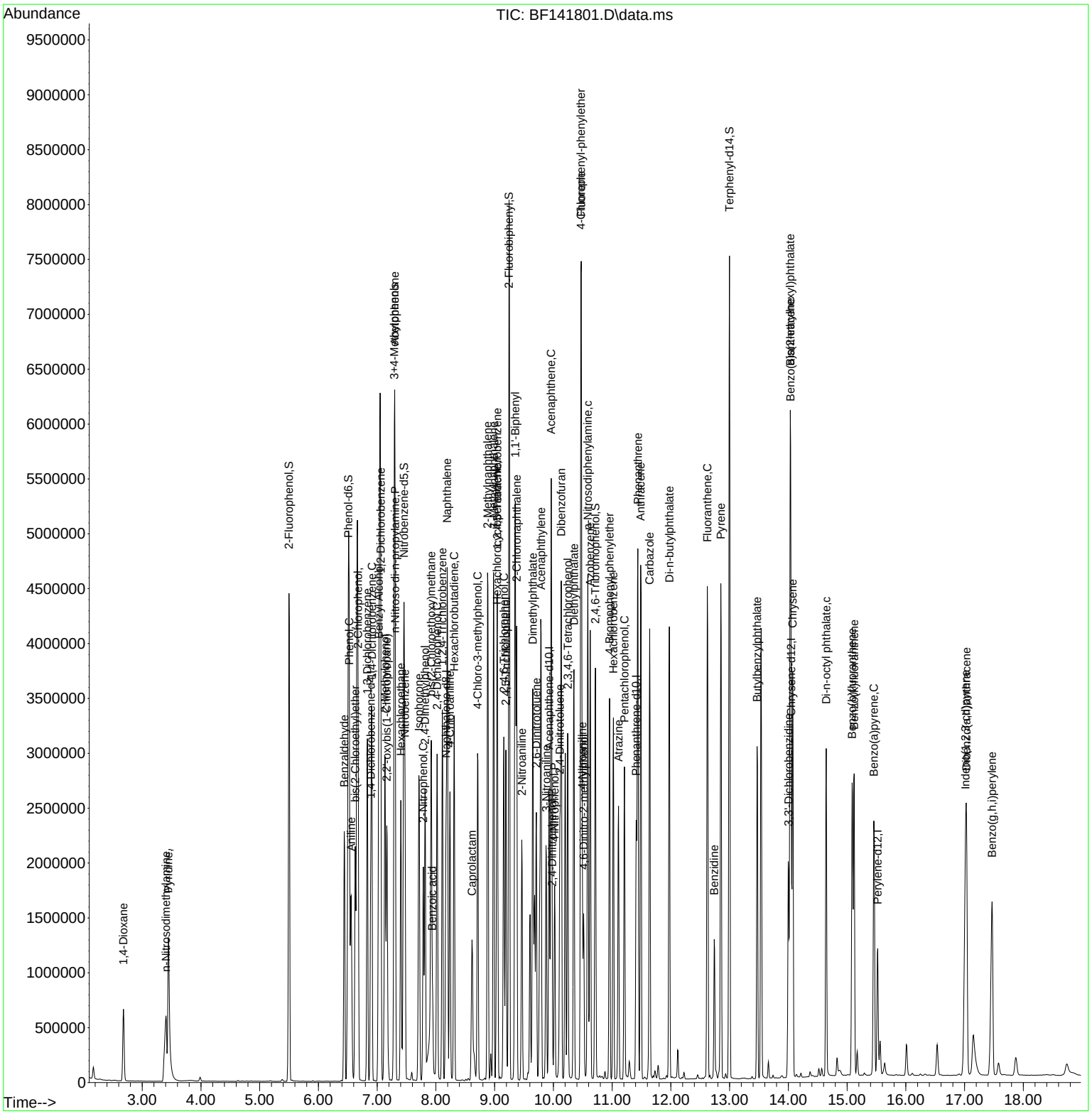
(#) = qualifier out of range (m) = manual integration (+) = signals summed

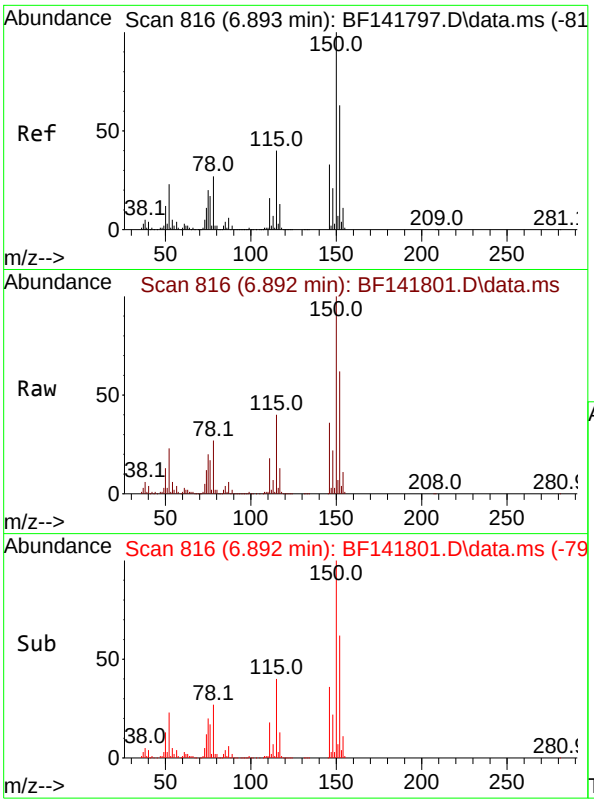
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141801.D
Acq On : 27 Feb 2025 19:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Quant Time: Feb 28 01:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration



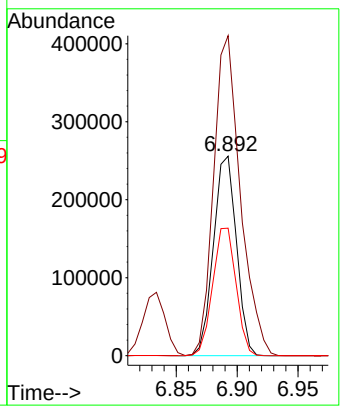


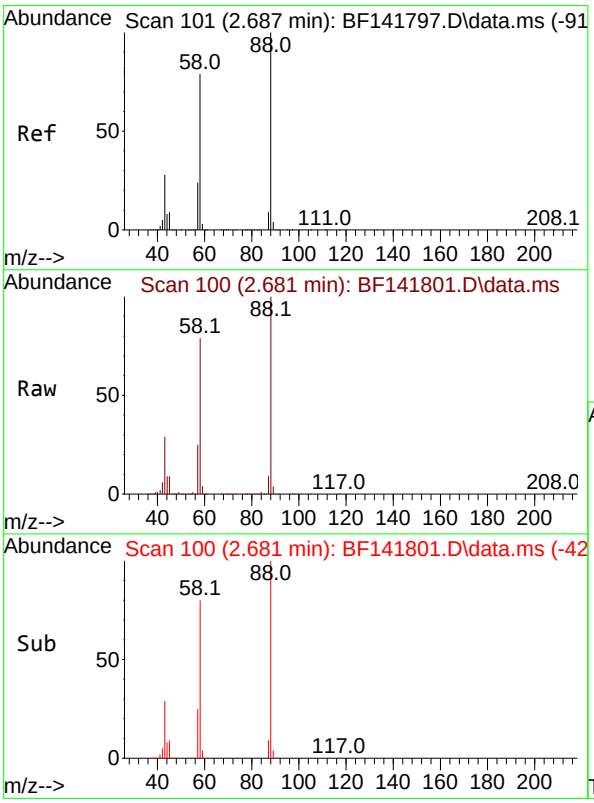
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 8
Delta R.T. -0.001 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:152 Resp: 336406

Ion	Ratio	Lower	Upper
152	100		
150	160.3	127.5	191.3
115	63.9	51.4	77.2

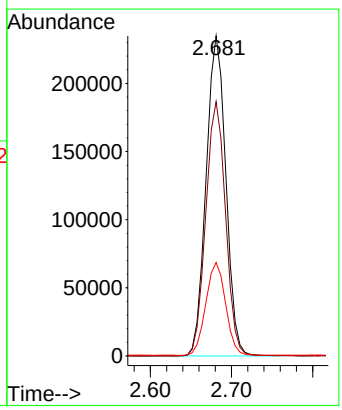


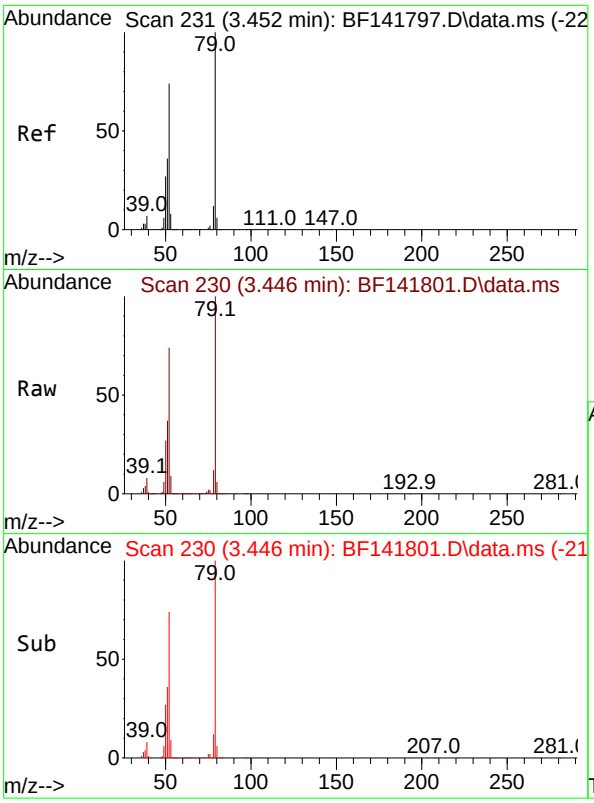


#2
1,4-Dioxane
Concen: 41.486 ng
RT: 2.681 min Scan# 100
Delta R.T. -0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion: 88 Resp: 396533

Ion	Ratio	Lower	Upper
88	100		
58	79.7	63.9	95.9
43	29.0	23.0	34.6



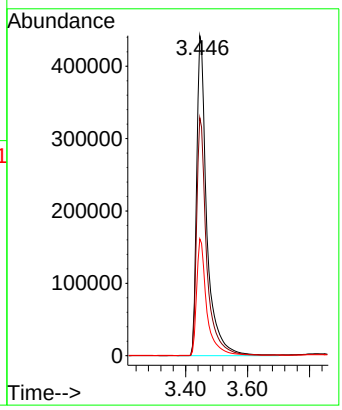


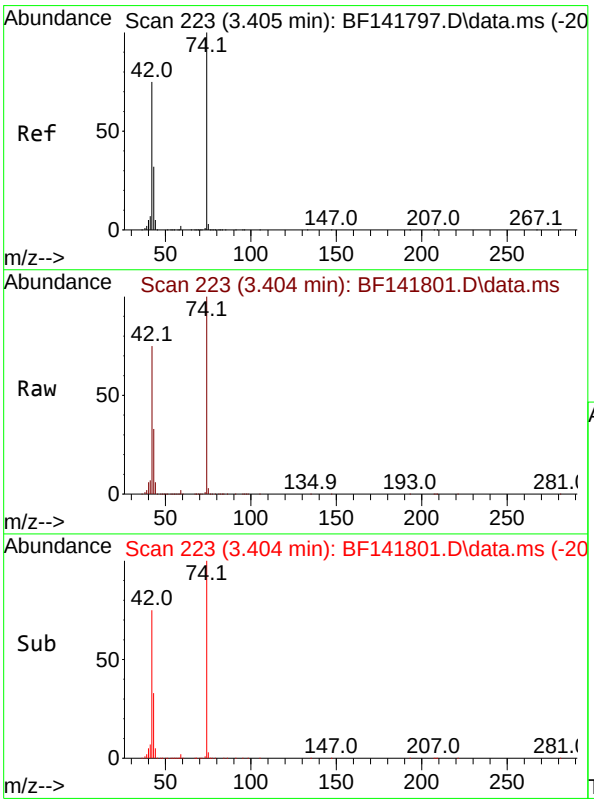
#3
Pyridine
Concen: 42.572 ng
RT: 3.446 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion: 79 Resp: 1012428

Ion	Ratio	Lower	Upper
79	100		
52	74.3	59.0	88.4
51	36.5	29.0	43.4

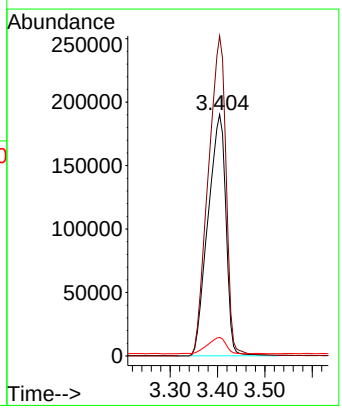


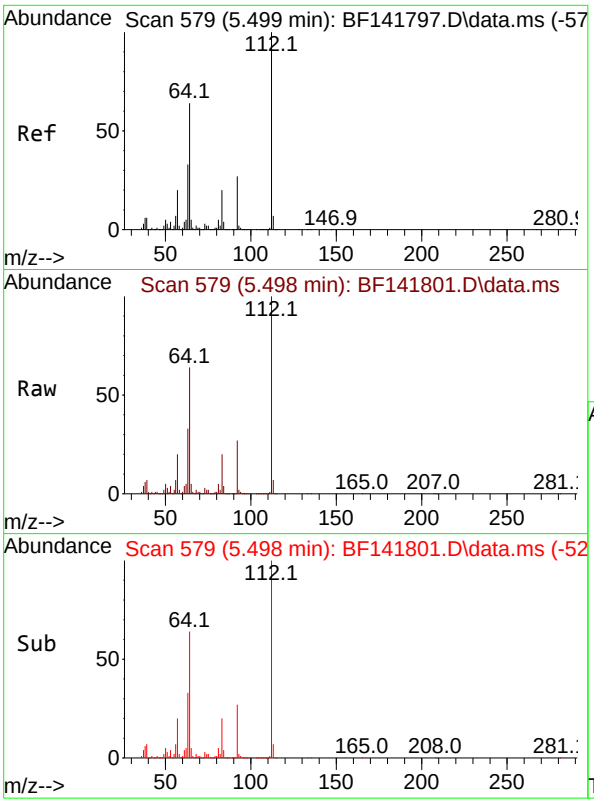


#4
n-Nitrosodimethylamine
Concen: 43.575 ng
RT: 3.404 min Scan# 223
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion: 42 Resp: 498621

Ion	Ratio	Lower	Upper
42	100		
74	132.5	107.1	160.7
44	7.7	6.6	9.8



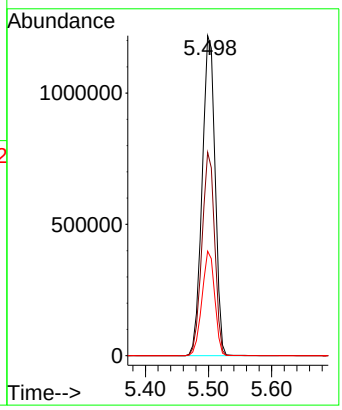


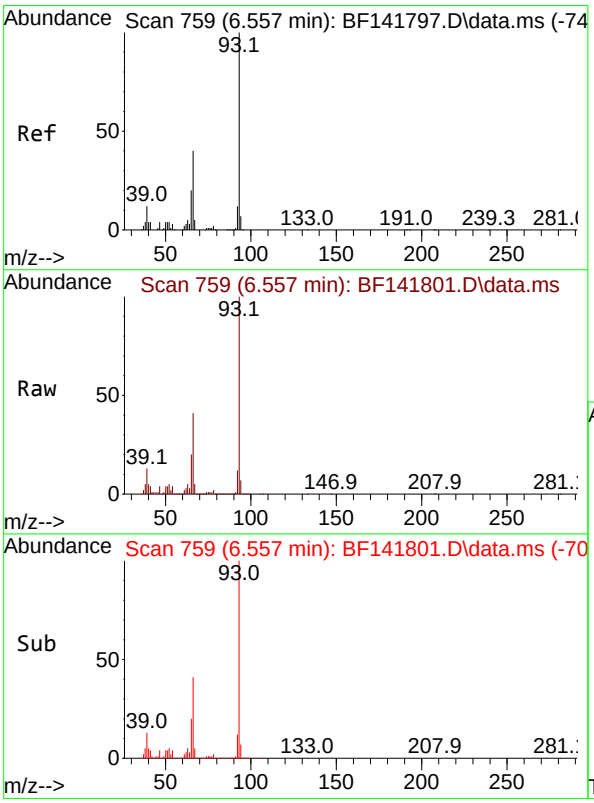
#5
2-Fluorophenol
Concen: 82.443 ng
RT: 5.498 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:112 Resp: 1736670

Ion	Ratio	Lower	Upper
112	100		
64	63.5	51.3	76.9
63	32.6	26.2	39.4

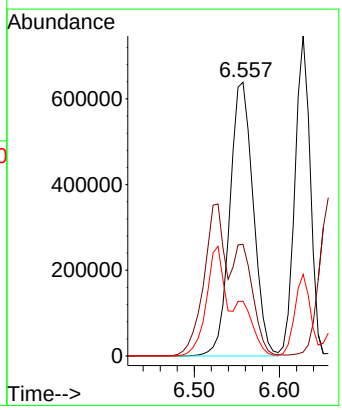




#6
Aniline
Concen: 42.857 ng
RT: 6.557 min Scan# 759
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion: 93 Resp: 1221626

Ion	Ratio	Lower	Upper
93	100		
66	40.7	32.3	48.5
65	20.0	15.9	23.9



Instrument :
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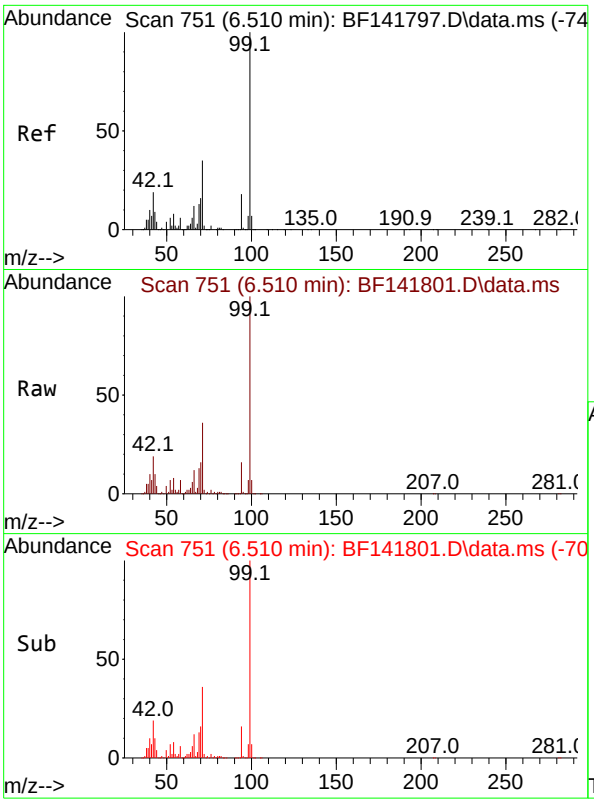
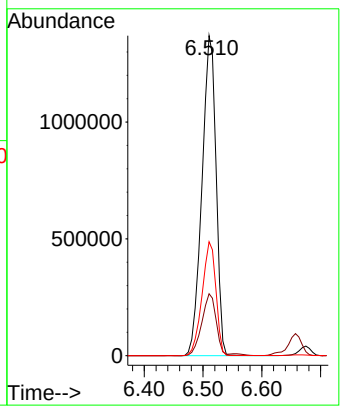
ClientSampleId :
ICVBF022725

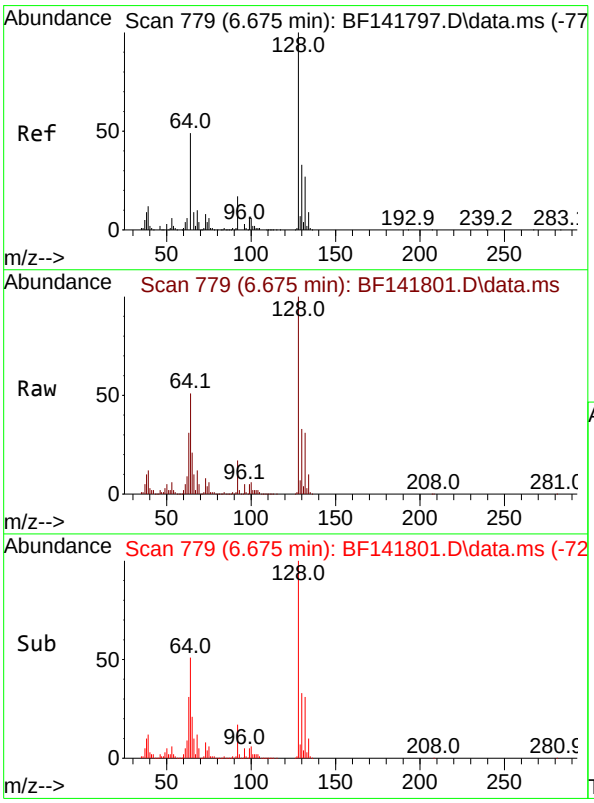


#7
Phenol-d6
Concen: 83.039 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion: 99 Resp: 2276751

Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.2	22.8
71	35.6	28.2	42.2

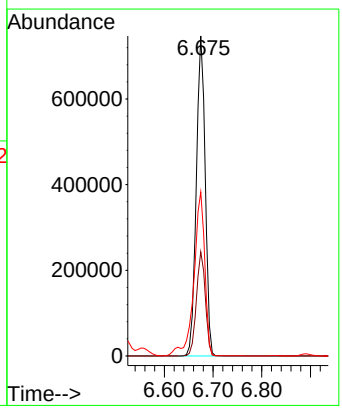


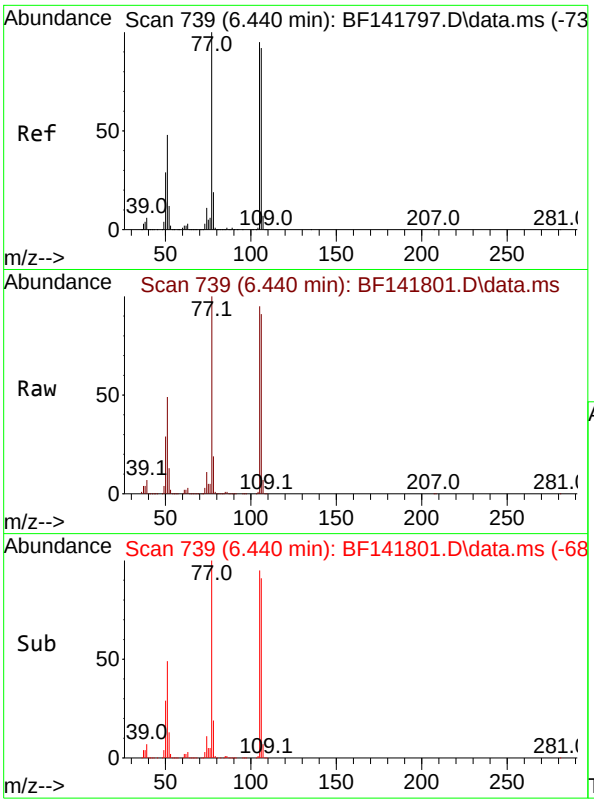


#8
2-Chlorophenol
Concen: 42.011 ng
RT: 6.675 min Scan# 779
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:128 Resp: 957321

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.6	52.6
64	51.2	31.1	71.1



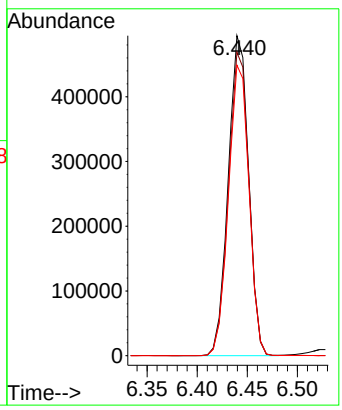


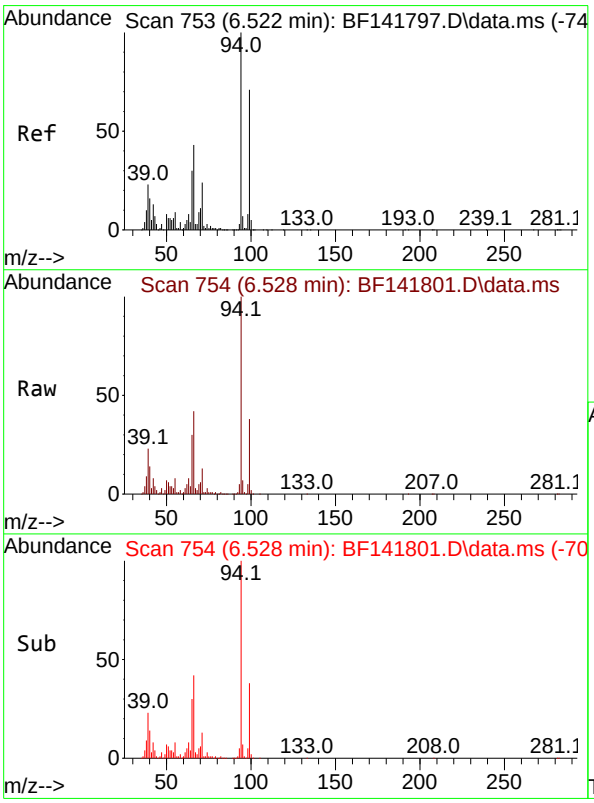
#9
Benzaldehyde
Concen: 43.684 ng
RT: 6.440 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion: 77 Resp: 696694

Ion	Ratio	Lower	Upper
77	100		
105	94.8	75.3	115.3
106	90.8	72.3	112.3

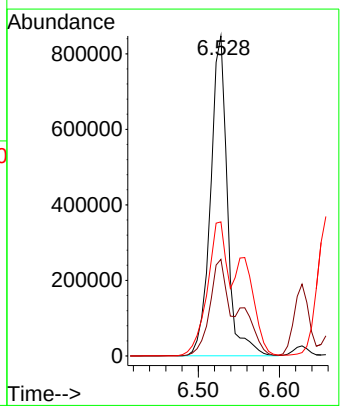


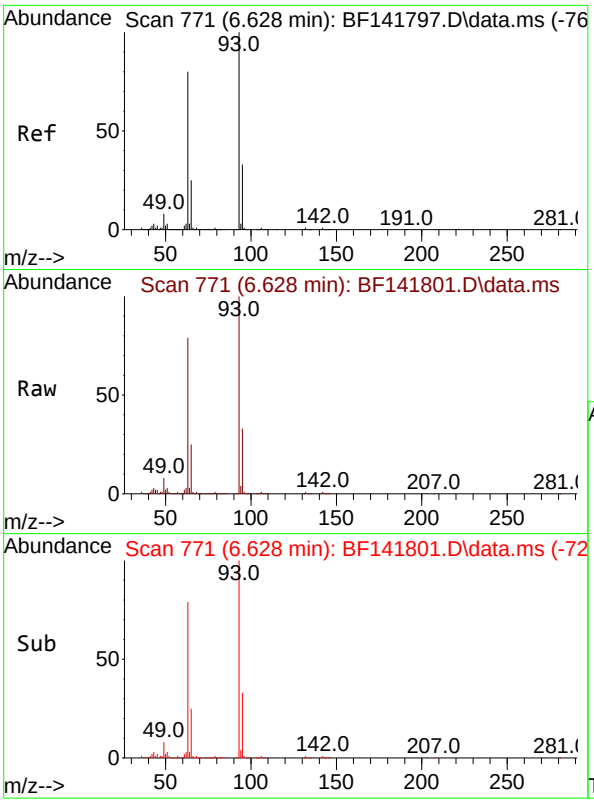


#10
Phenol
Concen: 41.614 ng
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion: 94 Resp: 1219216

Ion	Ratio	Lower	Upper
94	100		
65	30.2	10.2	50.2
66	41.9	23.2	63.2



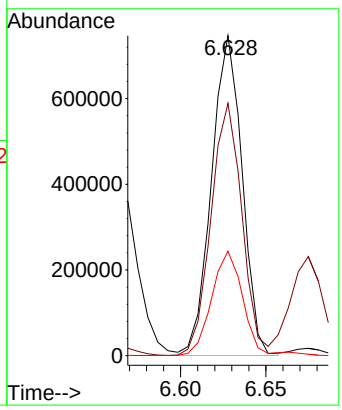


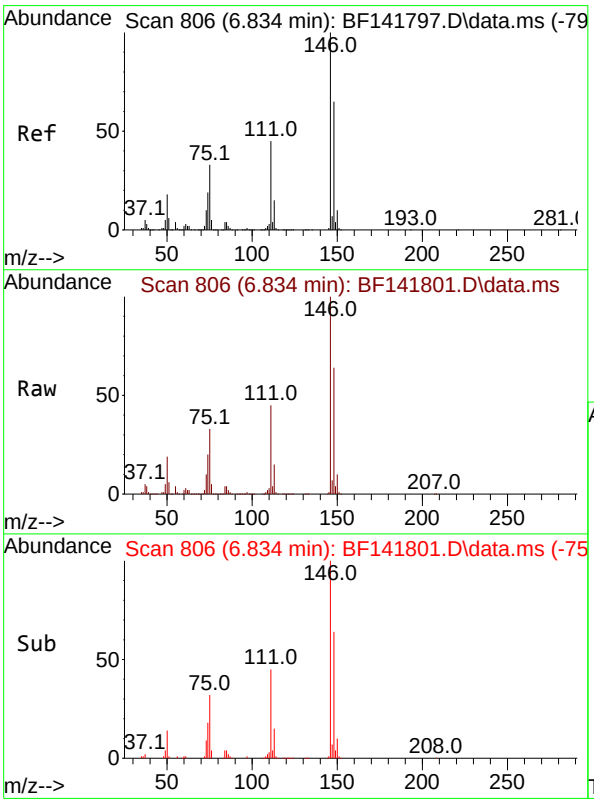
#11
bis(2-Chloroethyl)ether
Concen: 41.763 ng
RT: 6.628 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion: 93 Resp: 932690

Ion	Ratio	Lower	Upper
93	100		
63	78.9	59.3	99.3
95	32.6	13.2	53.2

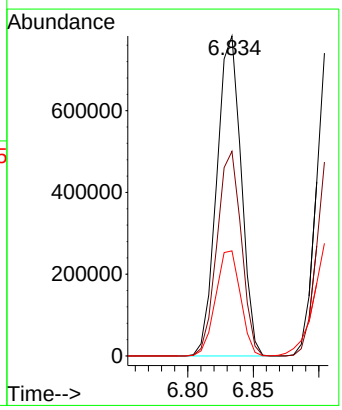


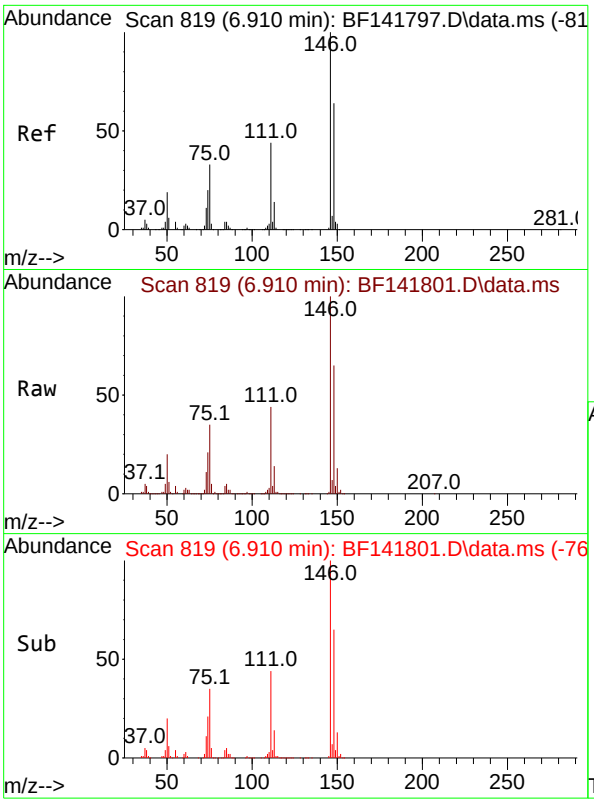


#12
1,3-Dichlorobenzene
Concen: 41.498 ng
RT: 6.834 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:146 Resp: 1012705

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.8	77.6
75	32.9	26.2	39.4



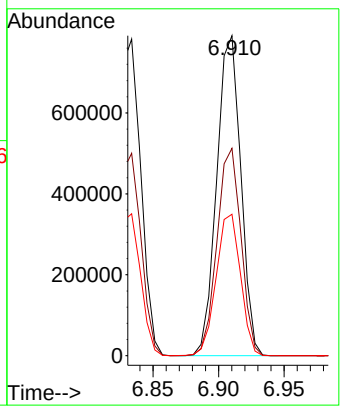


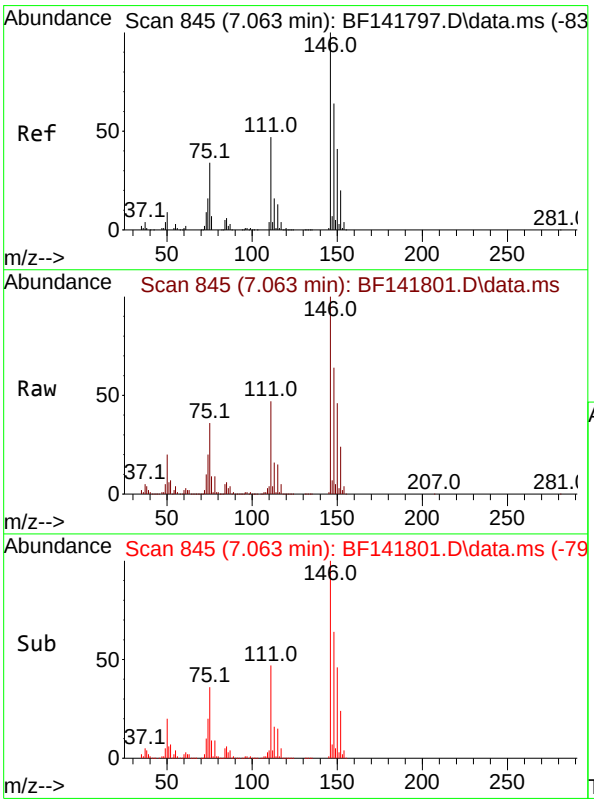
#13
1,4-Dichlorobenzene
Concen: 41.066 ng
RT: 6.910 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:146 Resp: 1009763

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.4	77.2
111	44.2	35.5	53.3

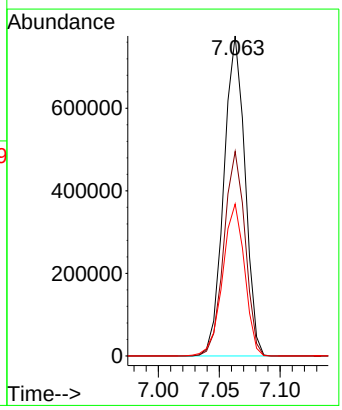


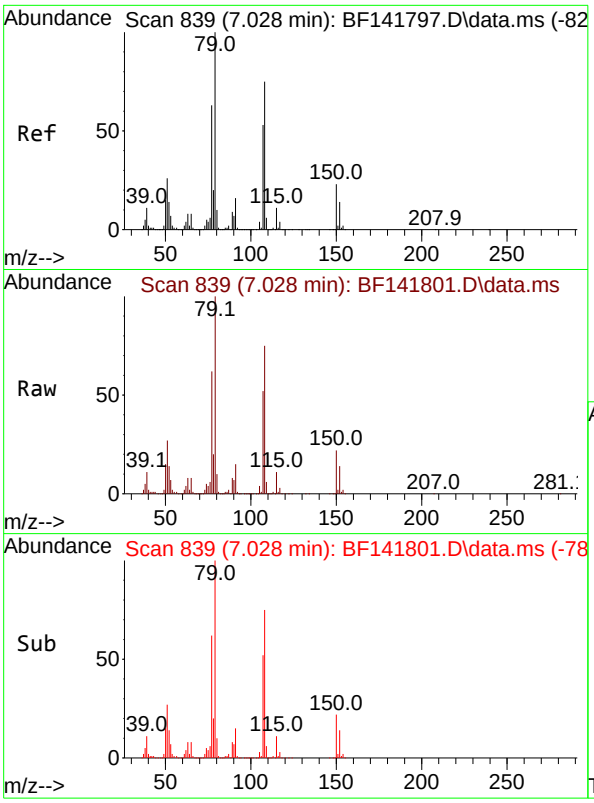


#14
1,2-Dichlorobenzene
Concen: 40.857 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:146 Resp: 938112

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.2	76.8
111	47.5	37.8	56.6



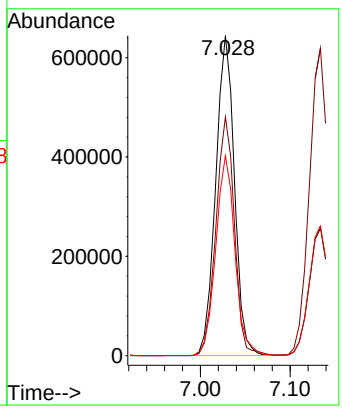


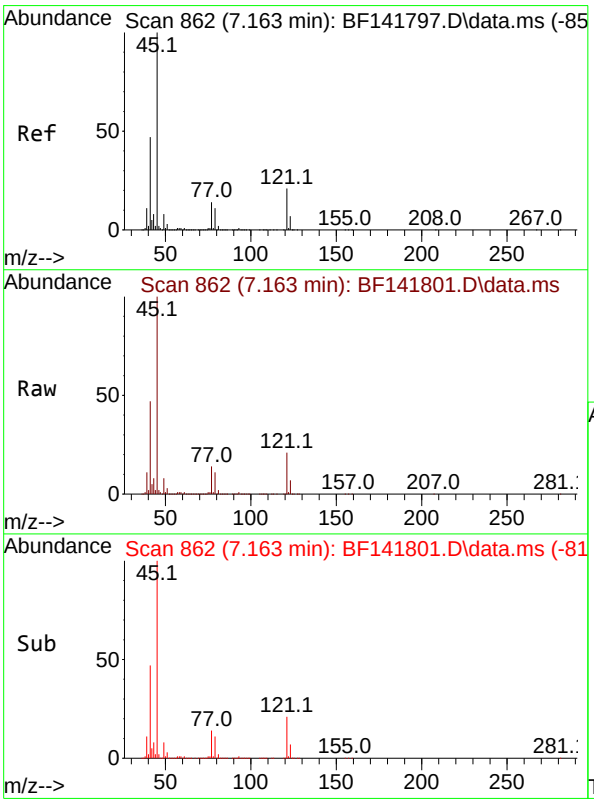
#15
Benzyl Alcohol
Concen: 42.564 ng
RT: 7.028 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion: 79 Resp: 932679

Ion	Ratio	Lower	Upper
79	100		
108	74.6	60.2	90.2
77	62.5	50.2	75.2

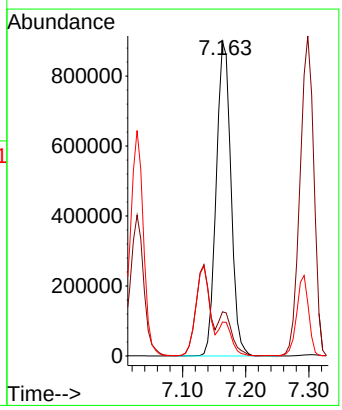


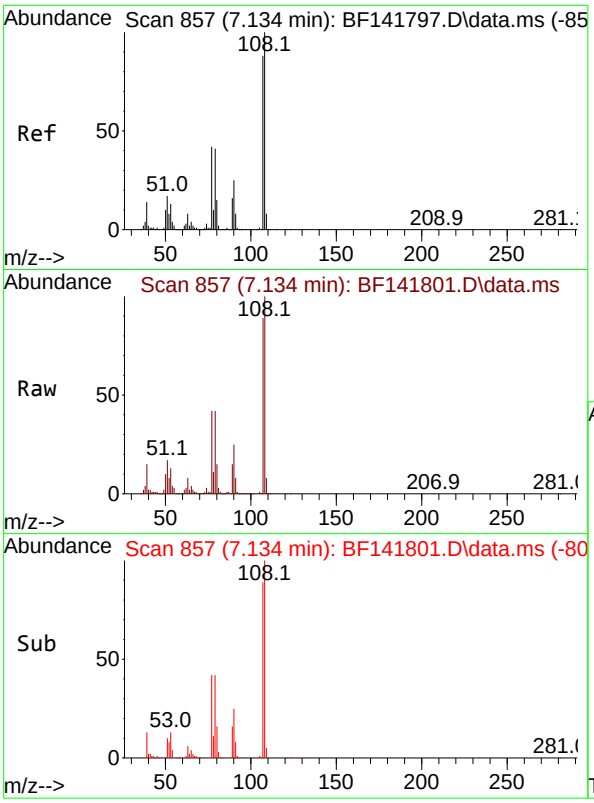


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.679 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion: 45 Resp: 1447535

Ion	Ratio	Lower	Upper
45	100		
77	14.1	0.0	34.4
79	10.8	0.0	30.9



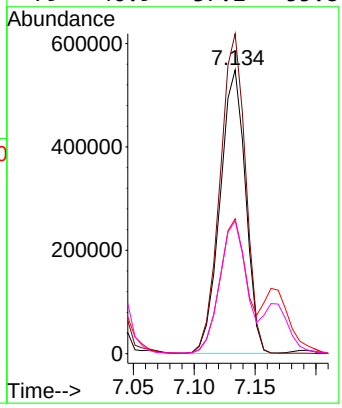


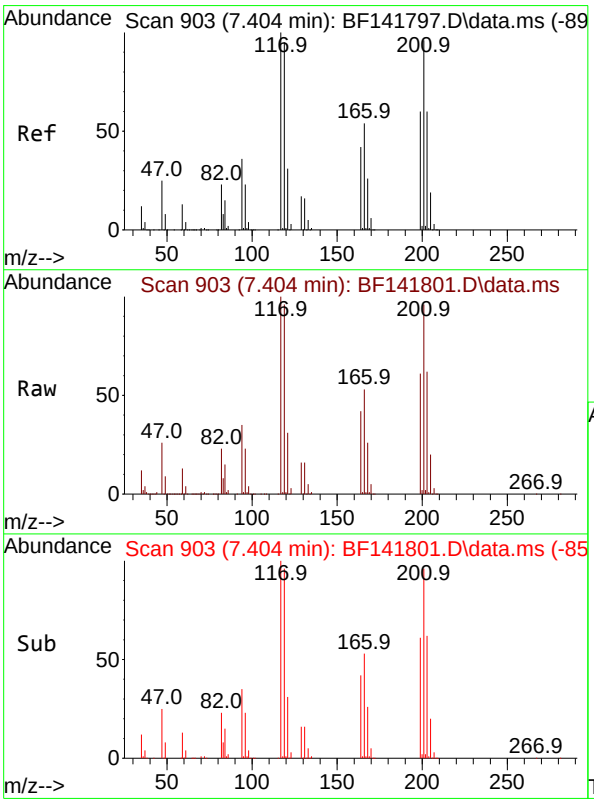
#17
2-Methylphenol
Concen: 42.365 ng
RT: 7.134 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:107 Resp: 796850

Ion	Ratio	Lower	Upper
107	100		
108	112.8	90.6	135.8
77	47.6	37.7	56.5
79	46.9	37.2	55.8

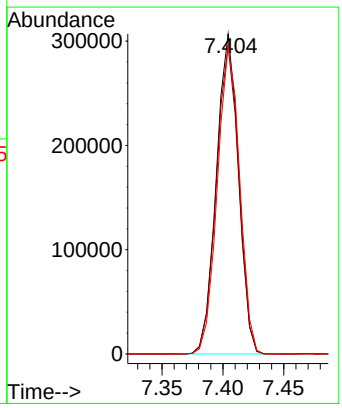


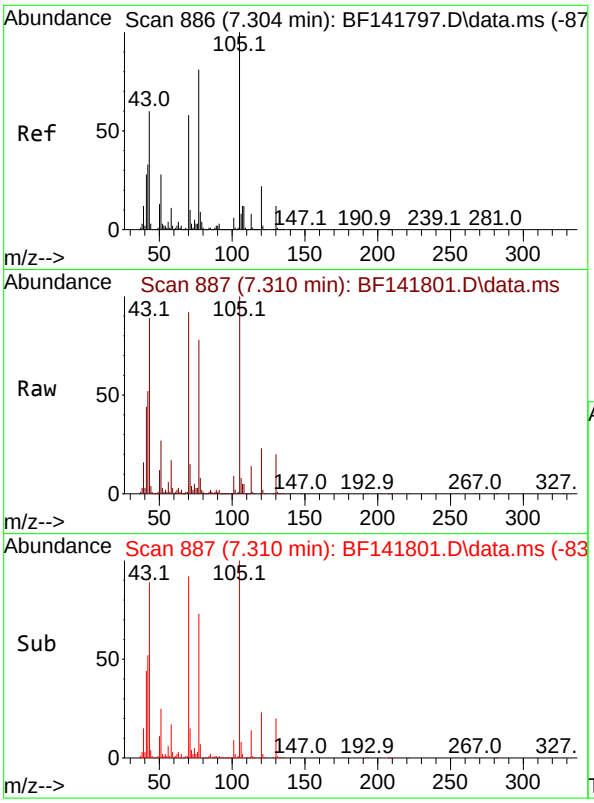


#18
Hexachloroethane
Concen: 42.366 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:117 Resp: 389901

Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.8	113.8
201	96.2	76.7	115.1



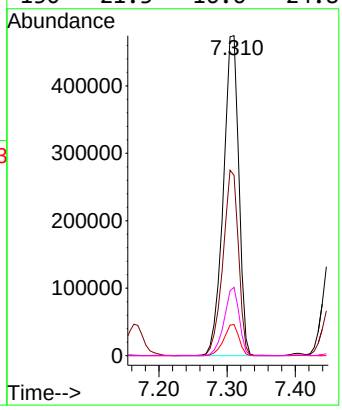


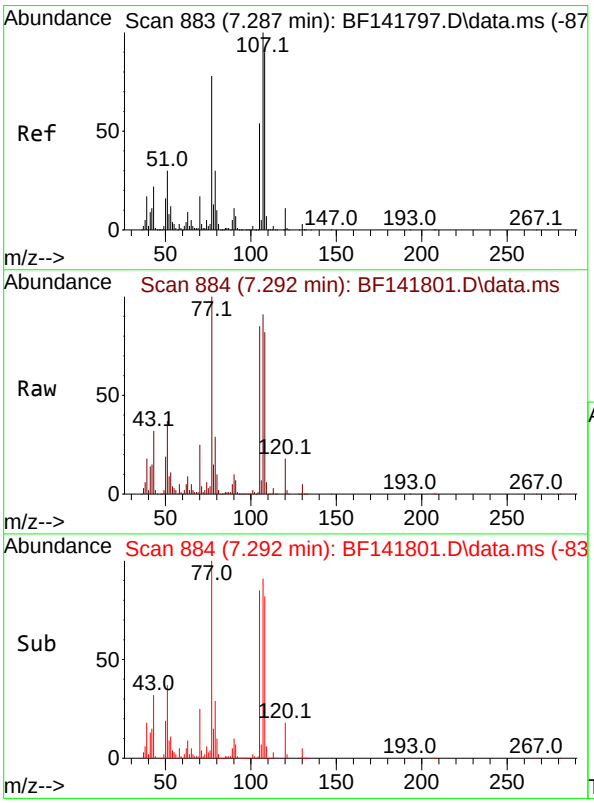
#19
n-Nitroso-di-n-propylamine
Concen: 41.525 ng
RT: 7.310 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion: 70 Resp: 748423

Ion	Ratio	Lower	Upper
70	100		
42	56.4	45.4	68.0
101	9.8	7.8	11.8
130	21.3	16.6	24.8

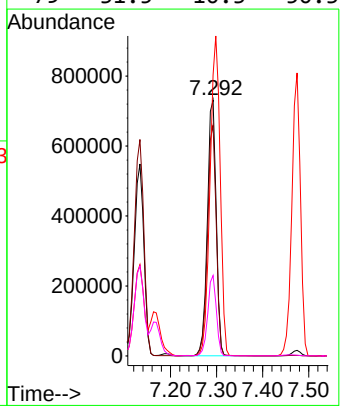


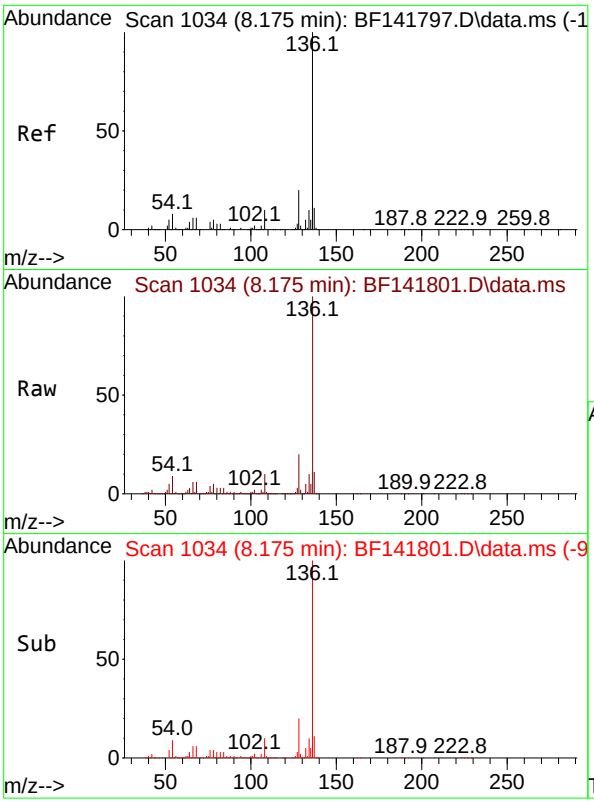


#20
3+4-Methylphenols
Concen: 41.840 ng
RT: 7.292 min Scan# 884
Delta R.T. 0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:107 Resp: 979968

Ion	Ratio	Lower	Upper
107	100		
108	90.2	69.7	109.7
77	109.8	58.3	98.3#
79	31.5	10.3	50.3



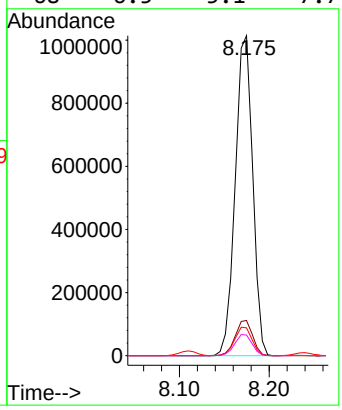


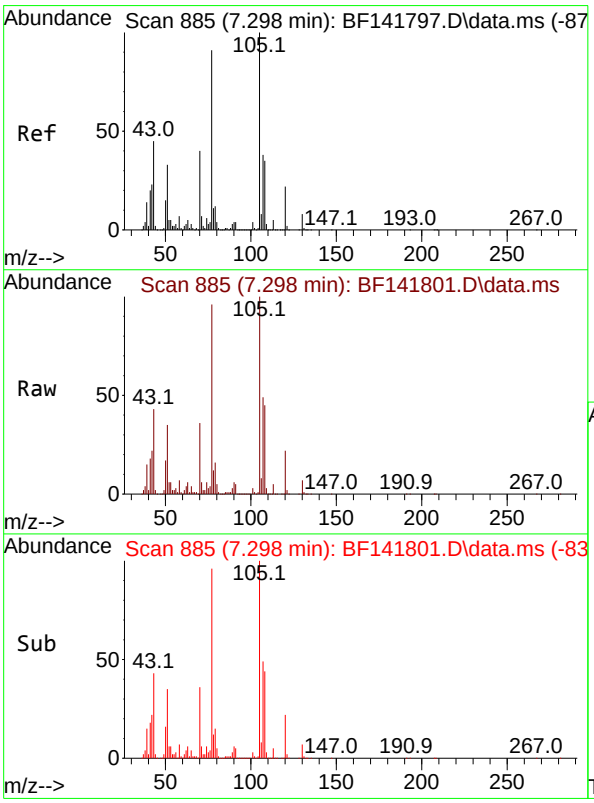
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:136 Resp: 1367272

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.7	6.9	10.3
68	6.5	5.1	7.7

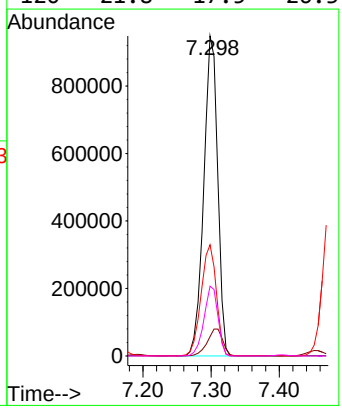


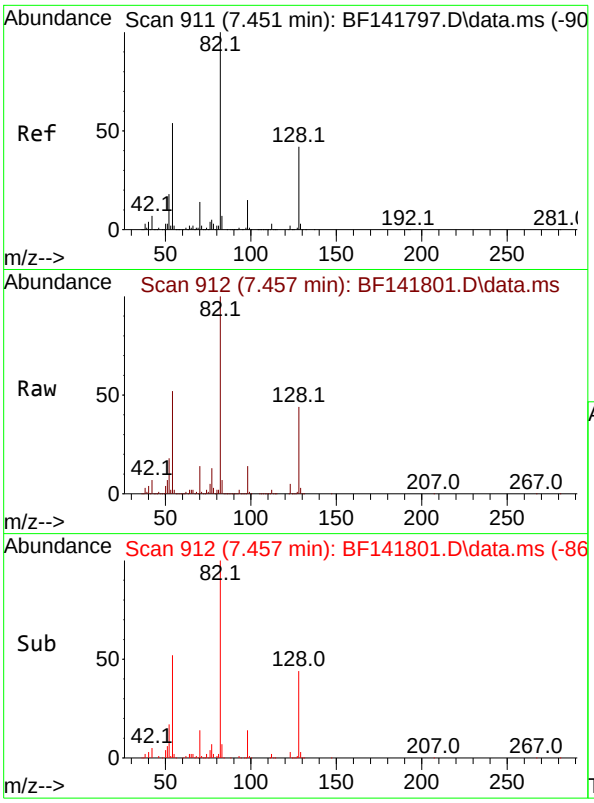


#22
Acetophenone
Concen: 40.417 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:105 Resp: 1345874

Ion	Ratio	Lower	Upper
105	100		
71	6.1	5.4	8.0
51	34.8	26.1	39.1
120	21.8	17.5	26.3



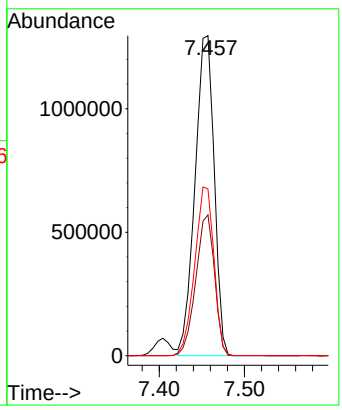


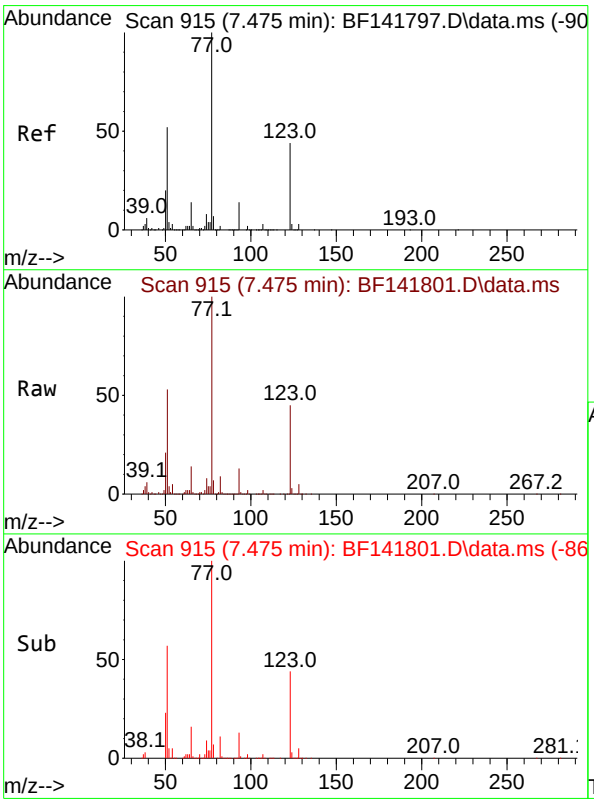
#23
Nitrobenzene-d5
Concen: 94.707 ng
RT: 7.457 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion: 82 Resp: 2025812

Ion	Ratio	Lower	Upper
82	100		
128	44.0	33.5	50.3
54	52.1	42.7	64.1

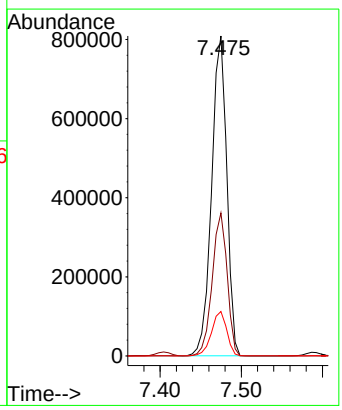


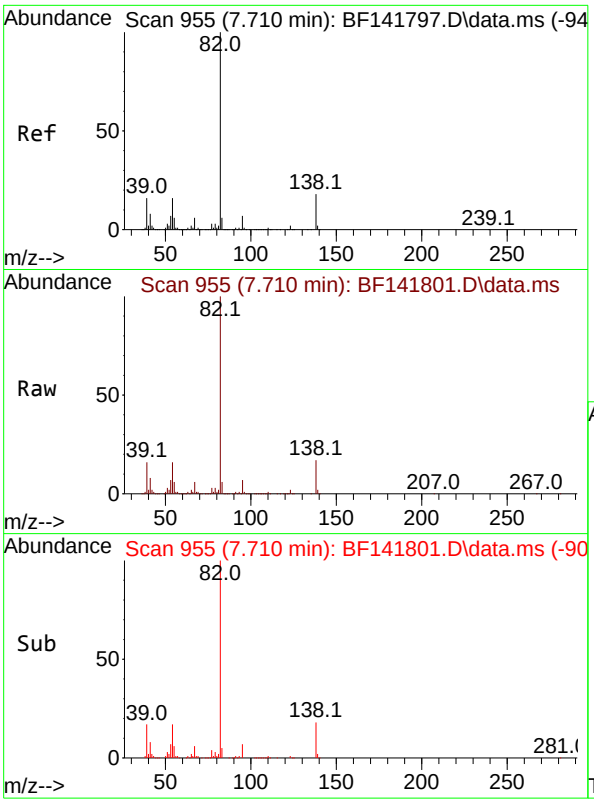


#24
Nitrobenzene
Concen: 45.751 ng
RT: 7.475 min Scan# 915
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion: 77 Resp: 1047974

Ion	Ratio	Lower	Upper
77	100		
123	44.7	35.8	53.8
65	13.9	11.2	16.8



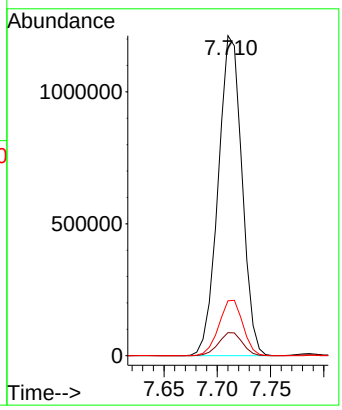


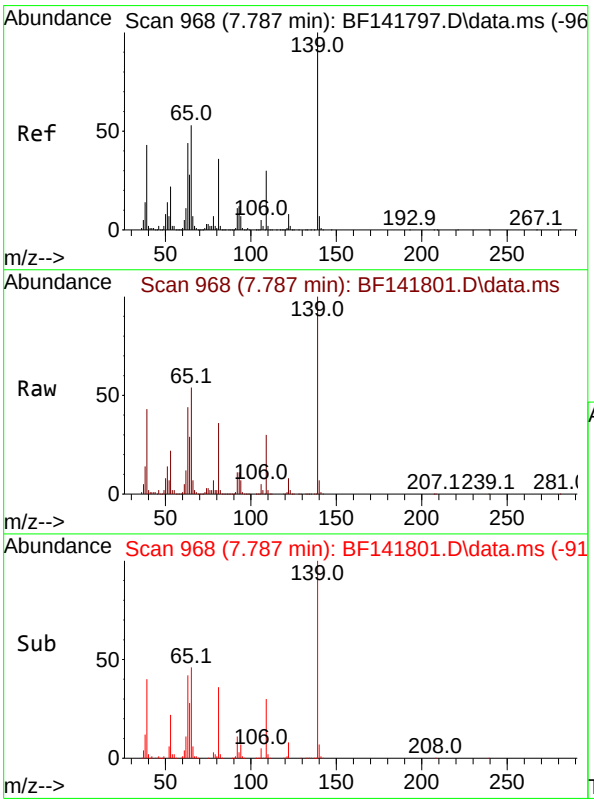
#25
Isophorone
Concen: 40.944 ng
RT: 7.710 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion: 82 Resp: 1881562

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.8	8.8
138	17.2	14.0	21.0

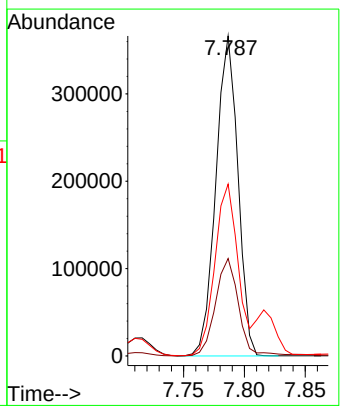


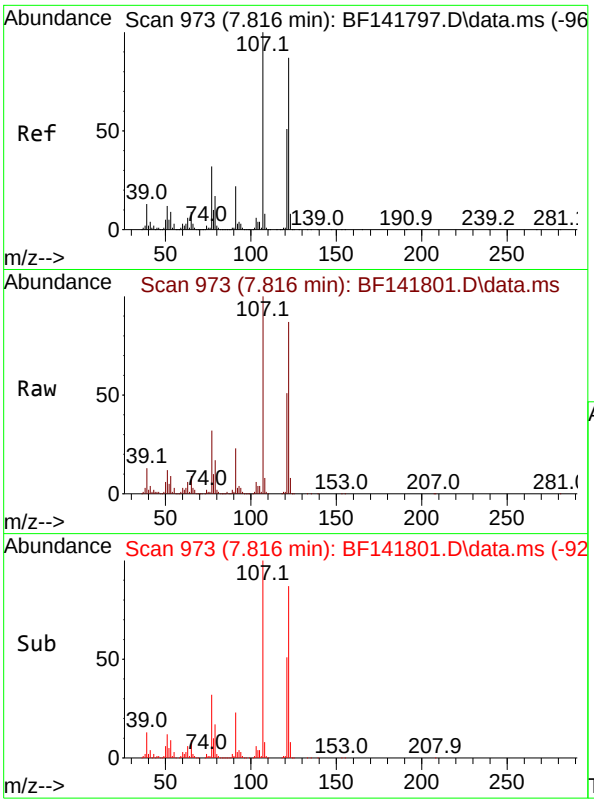


#26
2-Nitrophenol
Concen: 45.447 ng
RT: 7.787 min Scan# 968
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:139 Resp: 462297

Ion	Ratio	Lower	Upper
139	100		
109	30.5	24.1	36.1
65	53.7	42.3	63.5



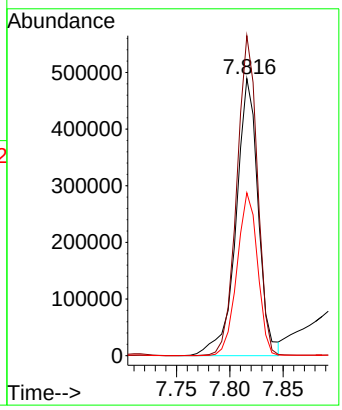


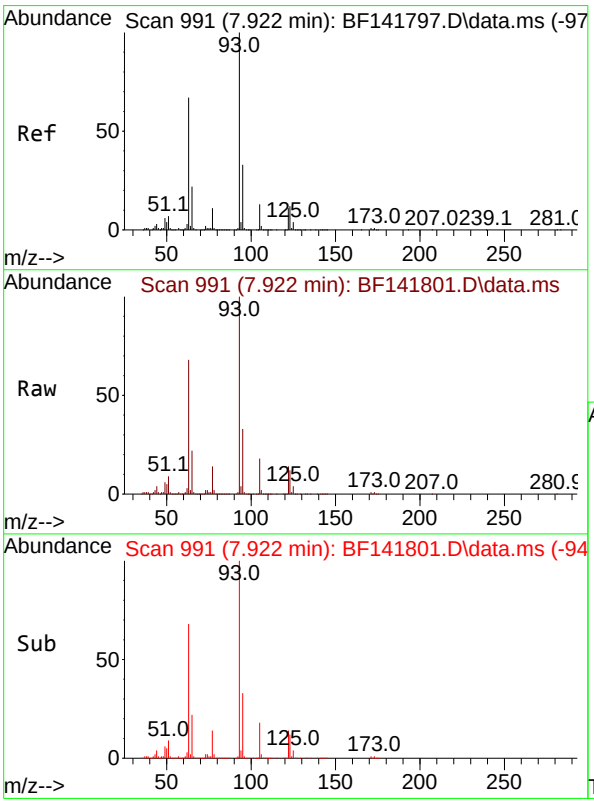
#27
2,4-Dimethylphenol
Concen: 41.931 ng
RT: 7.816 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:122 Resp: 708317

Ion	Ratio	Lower	Upper
122	100		
107	115.5	92.5	138.7
121	58.8	47.1	70.7

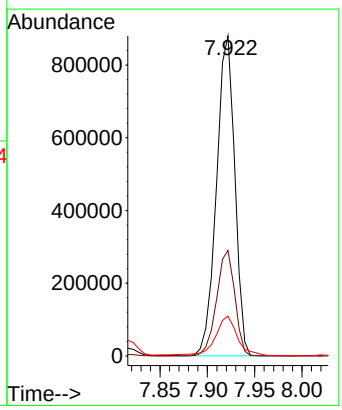


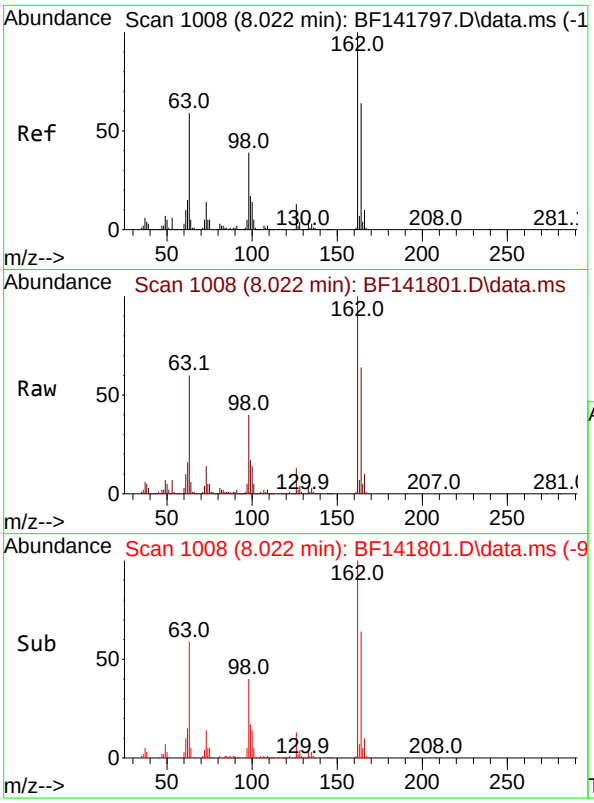


#28
bis(2-Chloroethoxy)methane
Concen: 40.357 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion: 93 Resp: 1183035

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.5	39.7
123	12.4	10.0	15.0



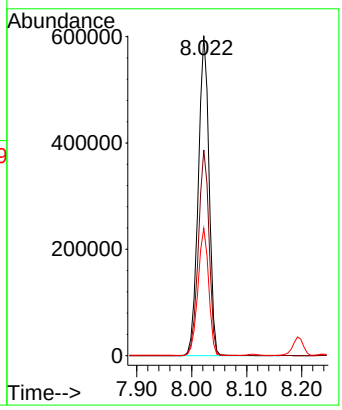


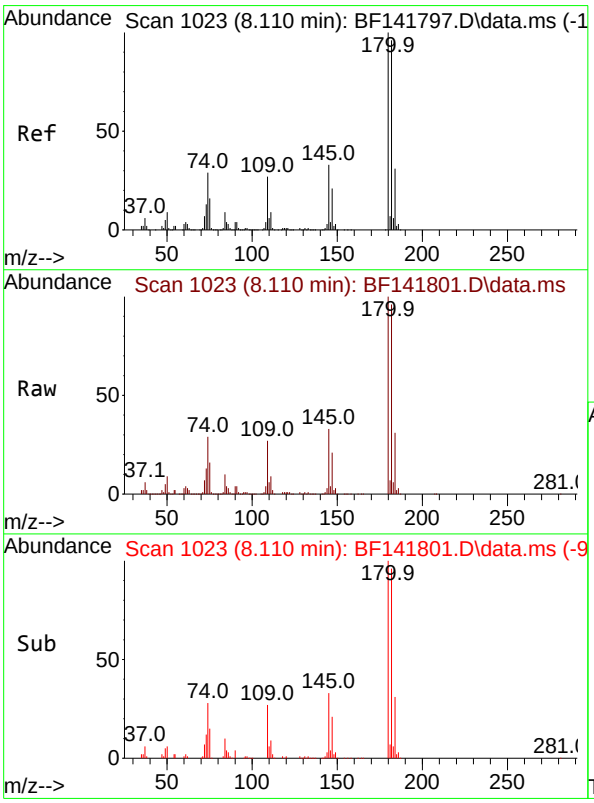
#29
2,4-Dichlorophenol
Concen: 42.157 ng
RT: 8.022 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:162 Resp: 821536

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.3	84.3
98	39.8	19.6	59.6

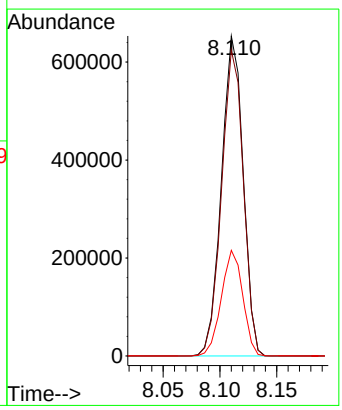


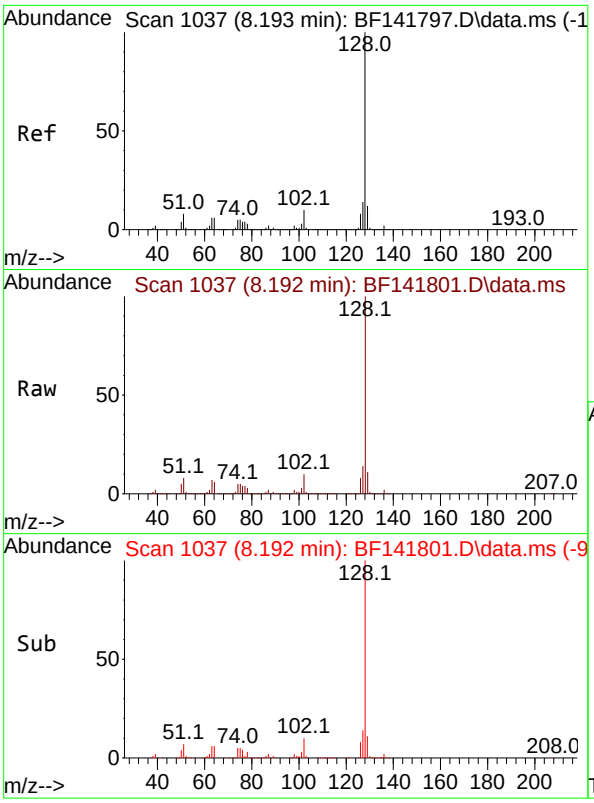


#30
1,2,4-Trichlorobenzene
Concen: 40.757 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:180 Resp: 870339

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.8	115.2
145	33.0	26.4	39.6



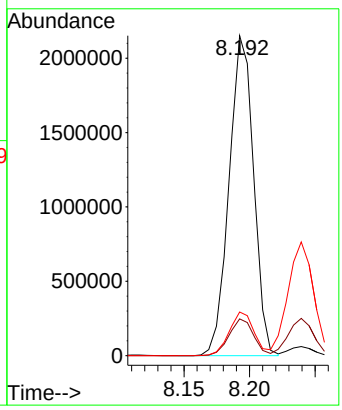


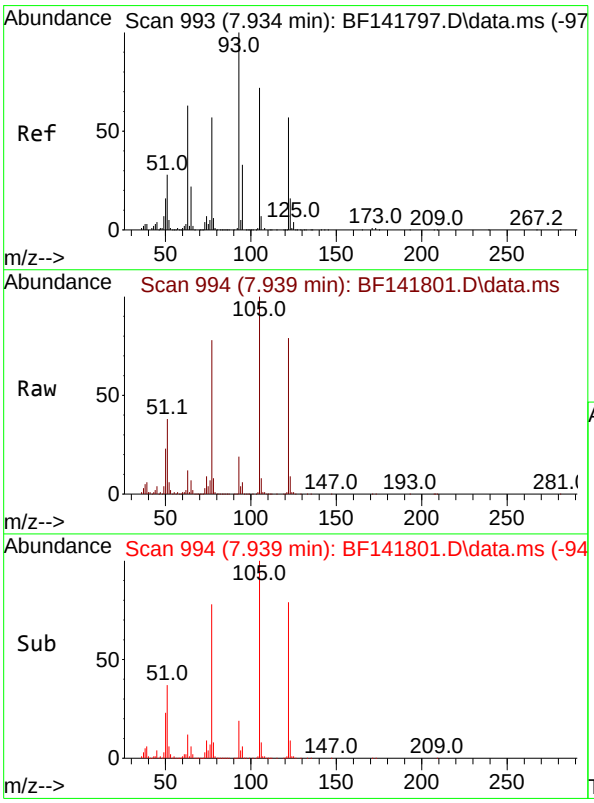
#31
Naphthalene
Concen: 39.854 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:128 Resp: 2800645

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.2	13.8
127	13.7	11.0	16.4

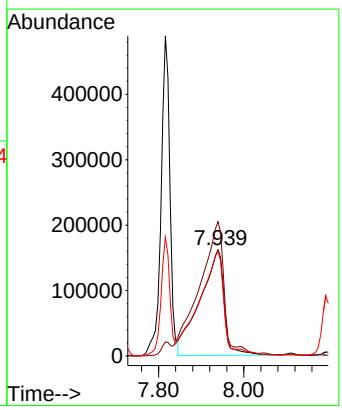


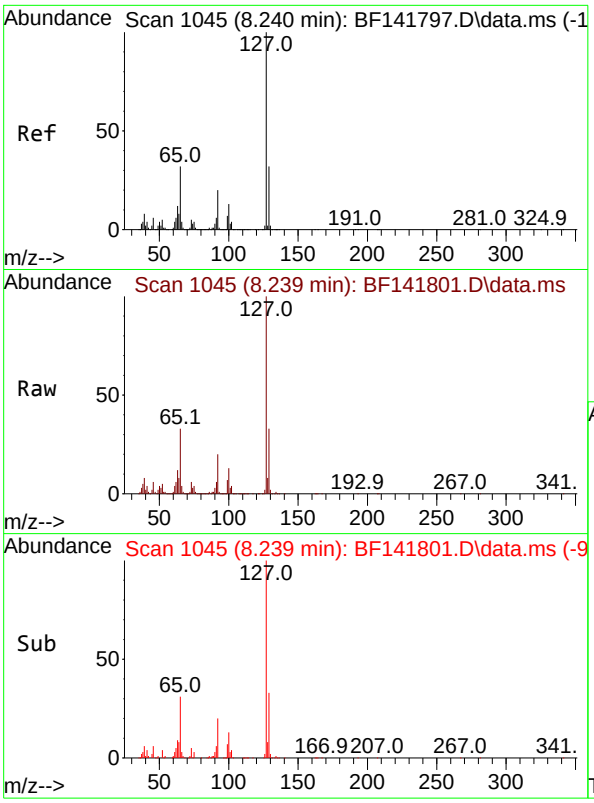


#32
Benzoic acid
Concen: 45.545 ng
RT: 7.939 min Scan# 994
Delta R.T. 0.005 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:122 Resp: 635541

Ion	Ratio	Lower	Upper
122	100		
105	126.6	105.8	145.8
77	98.8	79.9	119.9



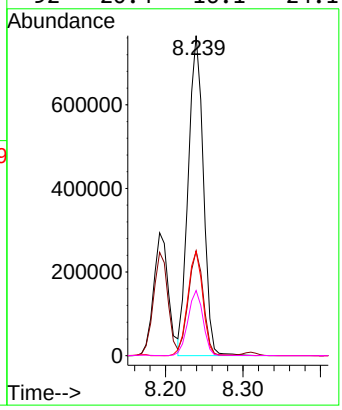


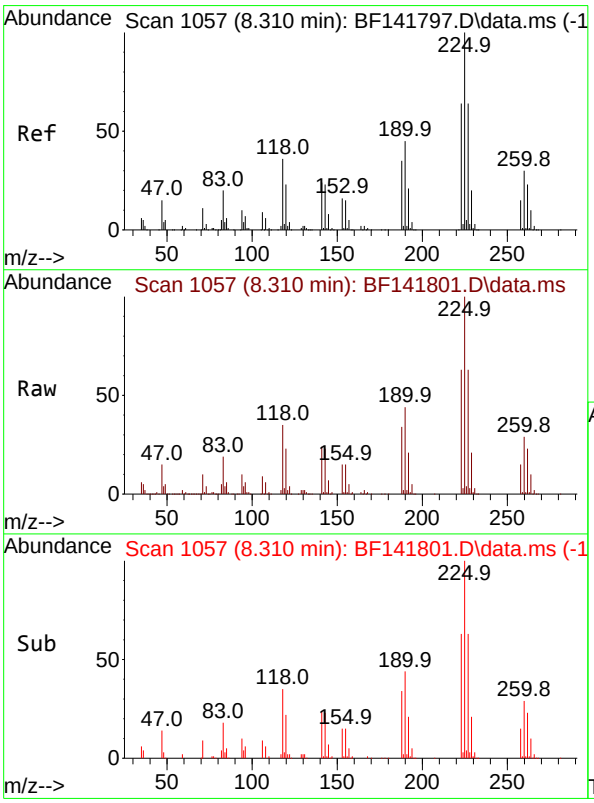
#33
4-Chloroaniline
Concen: 40.096 ng
RT: 8.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:127 Resp: 1033113

Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.1	39.1
65	32.6	25.7	38.5
92	20.4	16.1	24.1

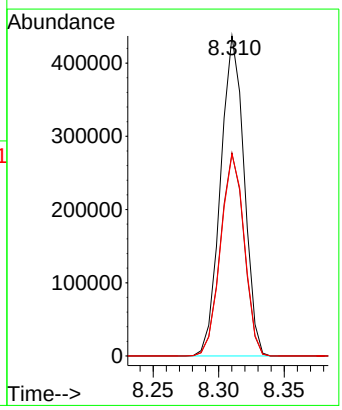


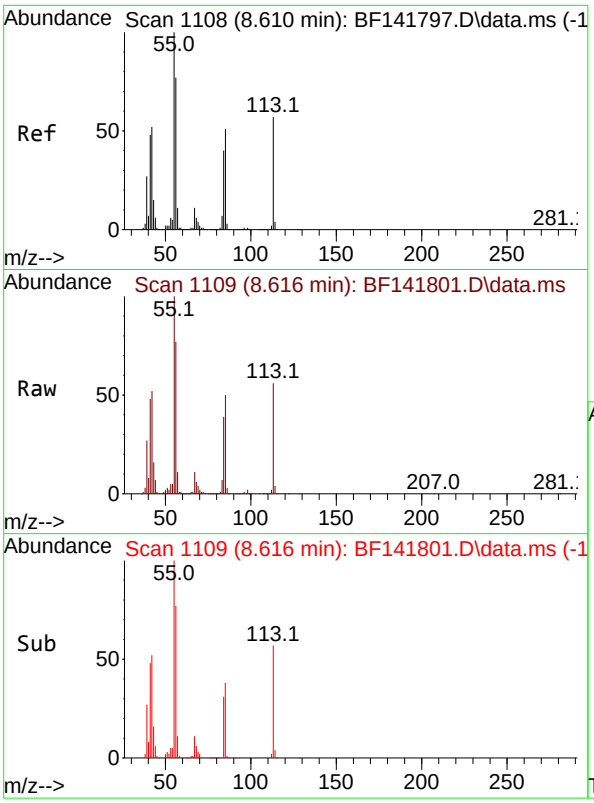


#34
Hexachlorobutadiene
Concen: 41.042 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:225 Resp: 544620

Ion	Ratio	Lower	Upper
225	100		
223	63.4	51.4	77.2
227	63.0	51.6	77.4



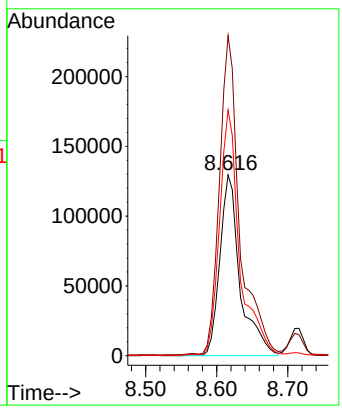


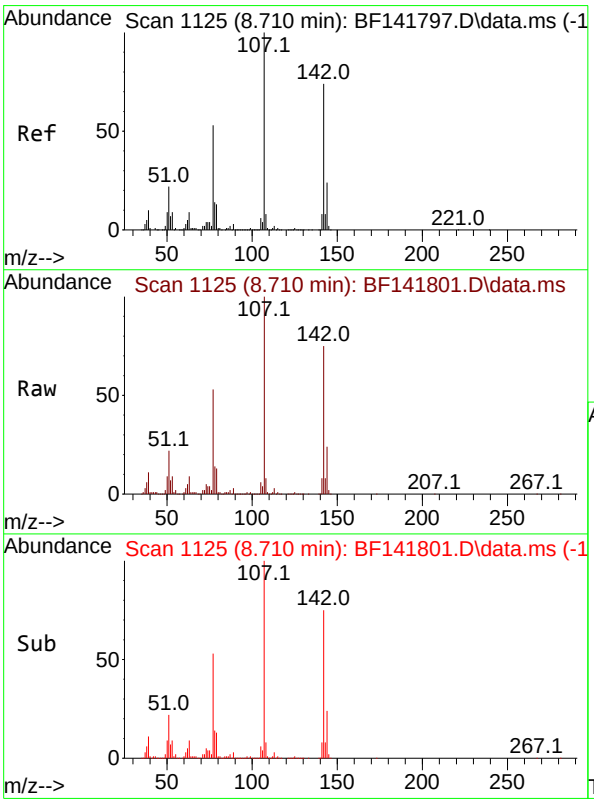
#35
Caprolactam
Concen: 42.737 ng
RT: 8.616 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:113 Resp: 256209

Ion	Ratio	Lower	Upper
113	100		
55	177.0	155.6	195.6
56	135.9	114.6	154.6

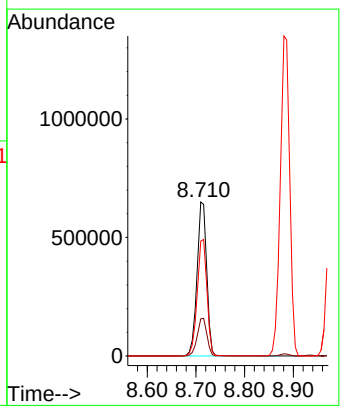


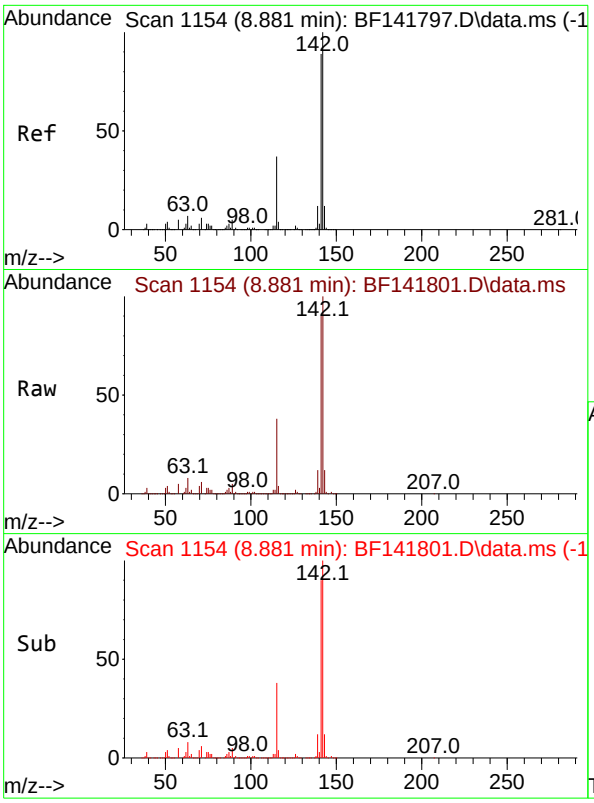


#36
4-Chloro-3-methylphenol
Concen: 41.844 ng
RT: 8.710 min Scan# 1125
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:107 Resp: 905842

Ion	Ratio	Lower	Upper
107	100		
144	24.1	19.4	29.0
142	74.6	59.4	89.0



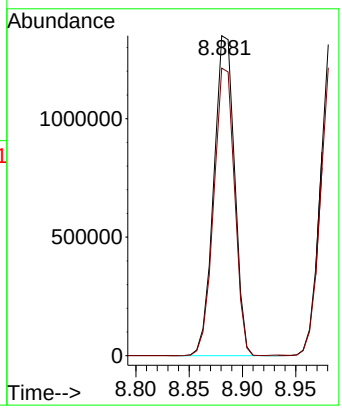


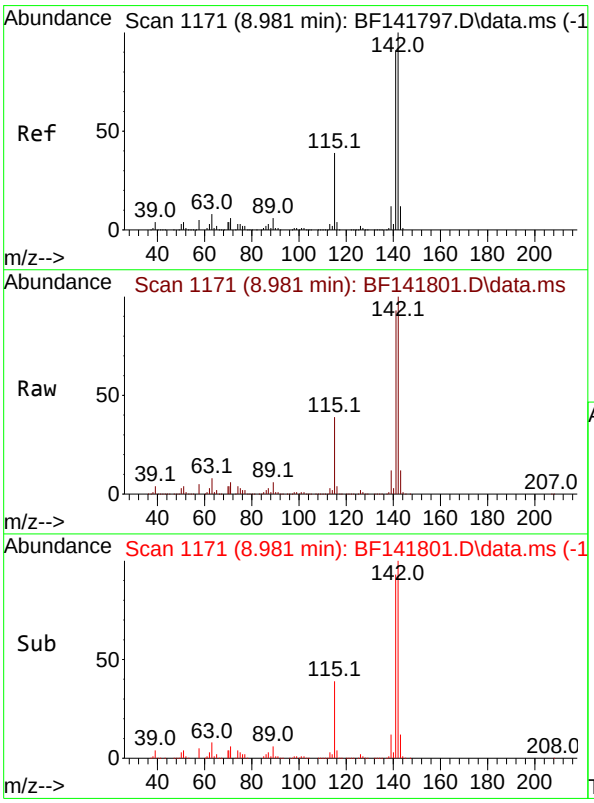
#37
2-Methylnaphthalene
Concen: 39.710 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:142 Resp: 1830313

Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.1	106.7

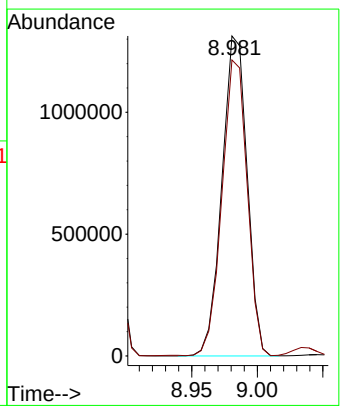


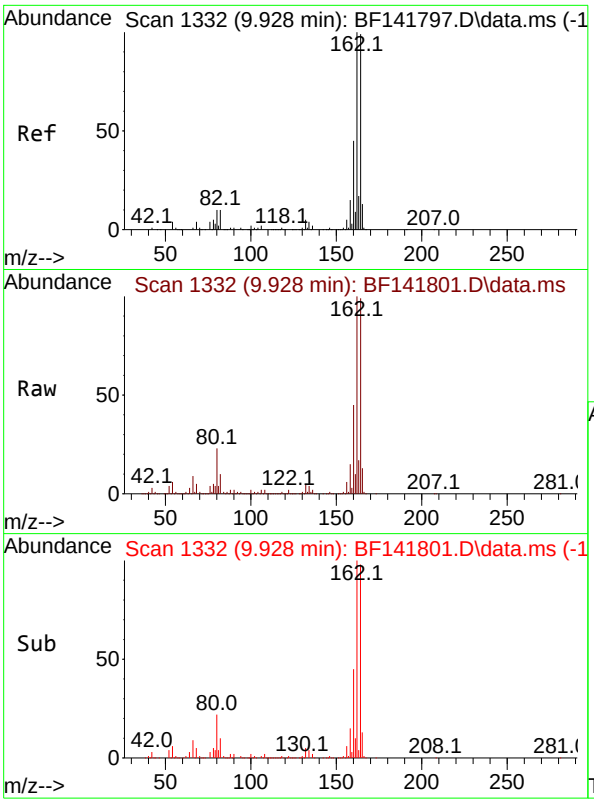


#38
1-Methylnaphthalene
Concen: 39.635 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:142 Resp: 1752937

Ion	Ratio	Lower	Upper
142	100		
141	92.5	73.1	109.7



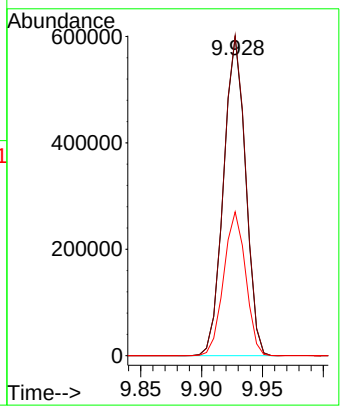


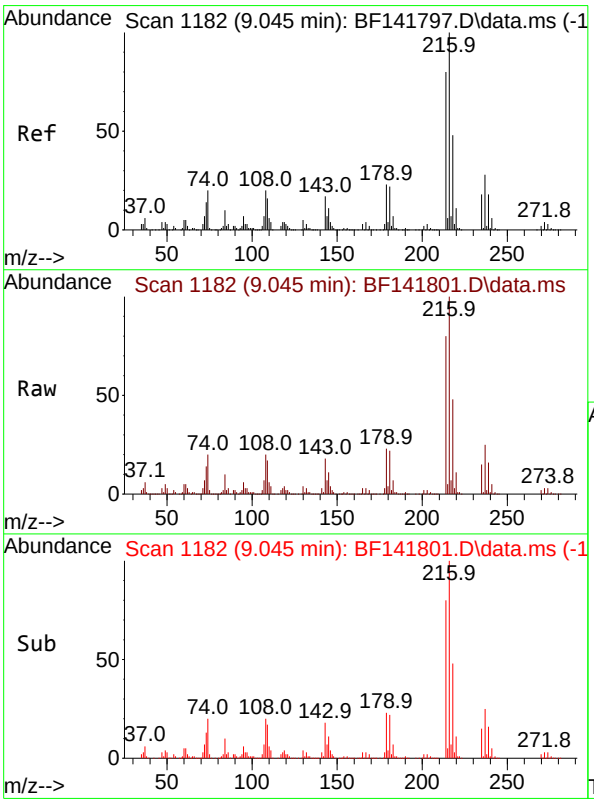
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:164 Resp: 753741

Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.6	120.8
160	45.2	36.3	54.5

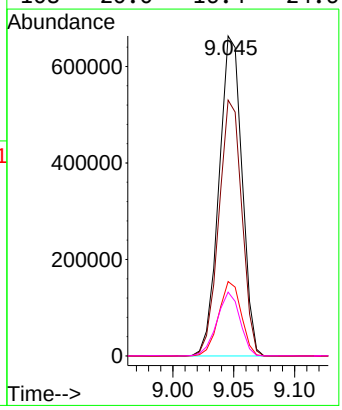


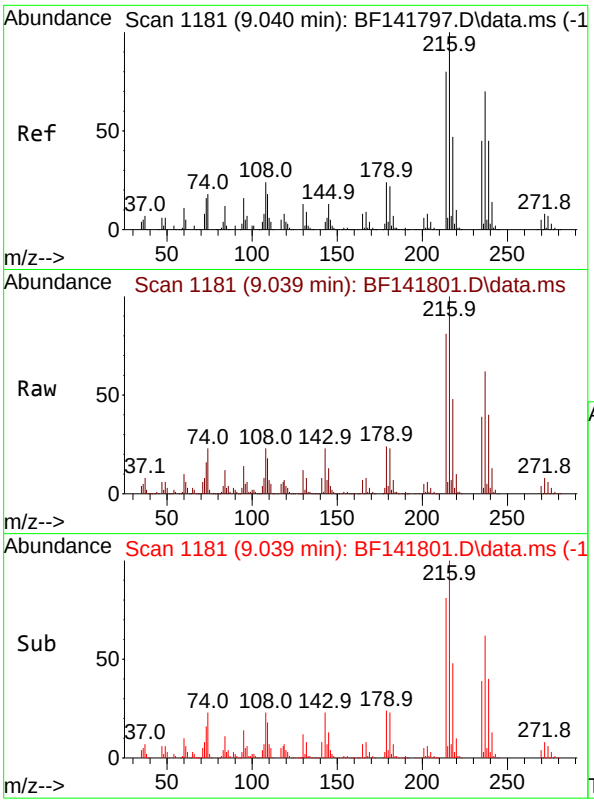


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.086 ng
RT: 9.045 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:216 Resp: 872629

Ion	Ratio	Lower	Upper
216	100		
214	79.7	63.5	95.3
179	22.8	18.1	27.1
108	20.0	16.4	24.6



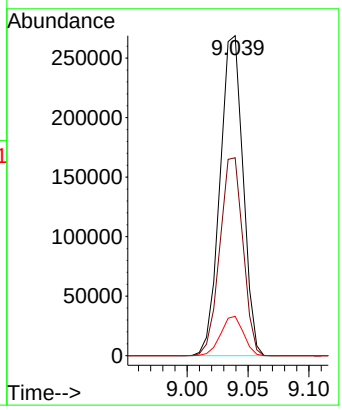


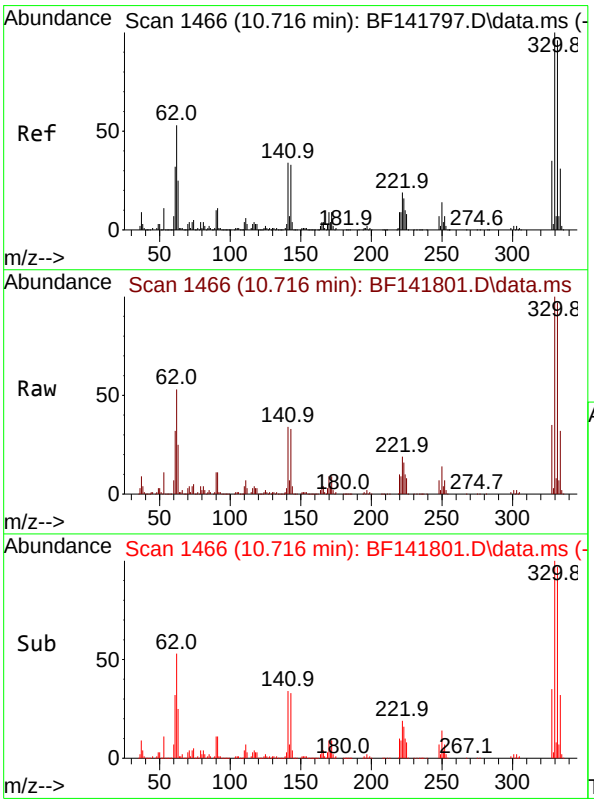
#41
Hexachlorocyclopentadiene
Concen: 38.975 ng
RT: 9.039 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:237 Resp: 354082

Ion	Ratio	Lower	Upper
237	100		
235	61.8	43.3	83.3
272	12.3	0.0	31.9

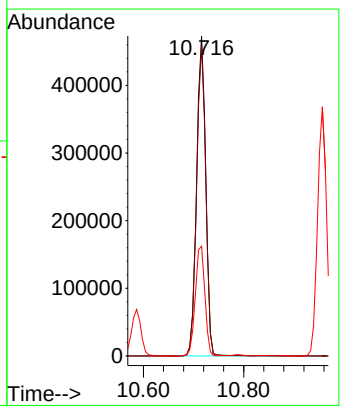


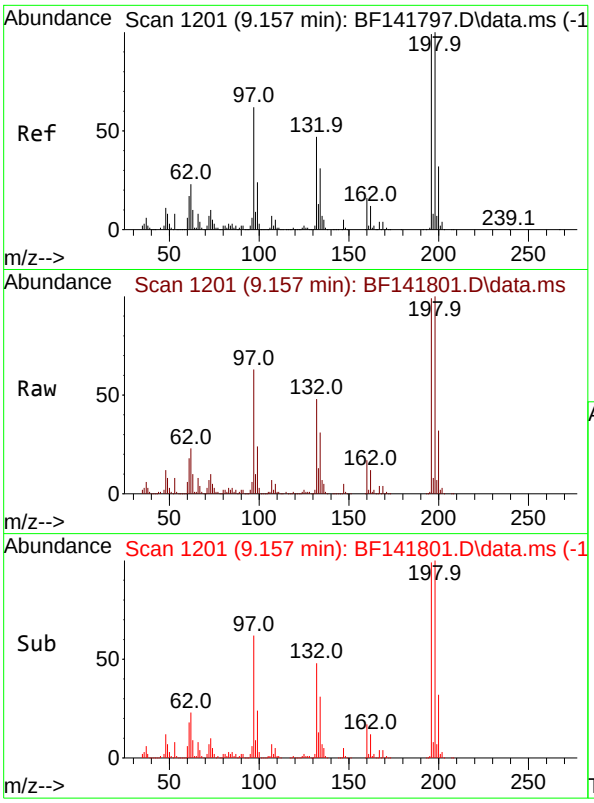


#42
2,4,6-Tribromophenol
Concen: 84.321 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:330 Resp: 596677

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.6	115.0
141	36.1	29.0	43.4



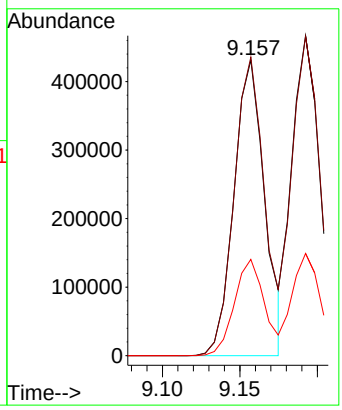


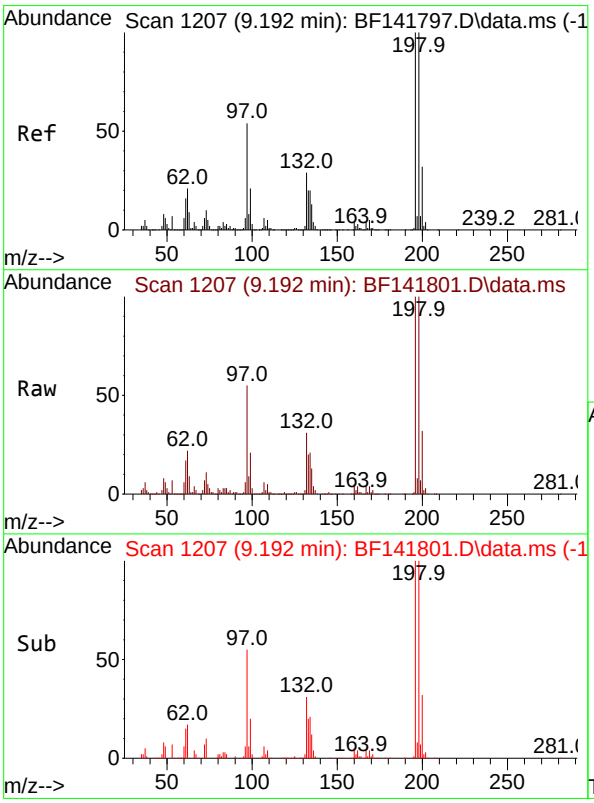
#43
2,4,6-Trichlorophenol
Concen: 42.156 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:196 Resp: 592786

Ion	Ratio	Lower	Upper
196	100		
198	101.0	80.4	120.6
200	32.6	25.7	38.5

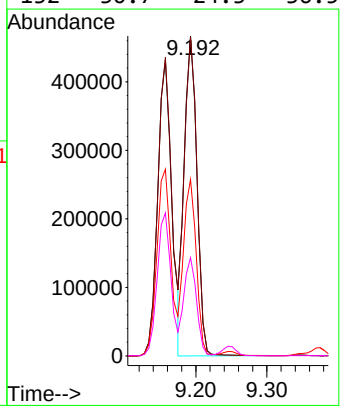


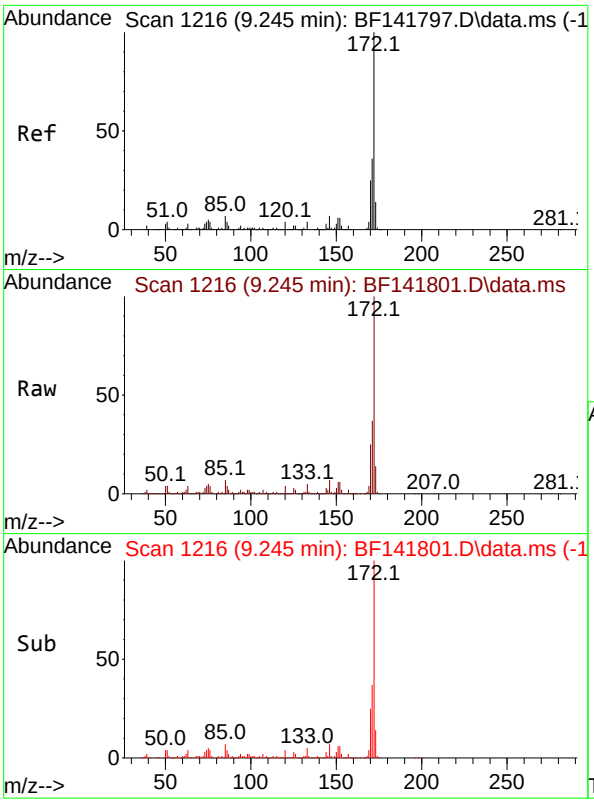


#44
2,4,5-Trichlorophenol
Concen: 41.806 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:196 Resp: 582125

Ion	Ratio	Lower	Upper
196	100		
198	99.8	79.7	119.5
97	55.2	44.2	66.2
132	30.7	24.3	36.5



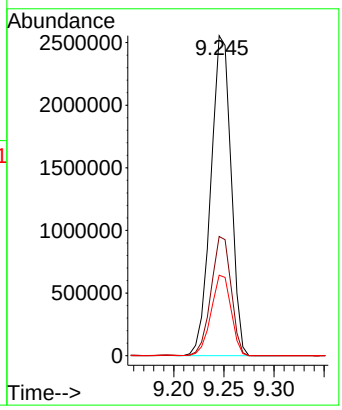


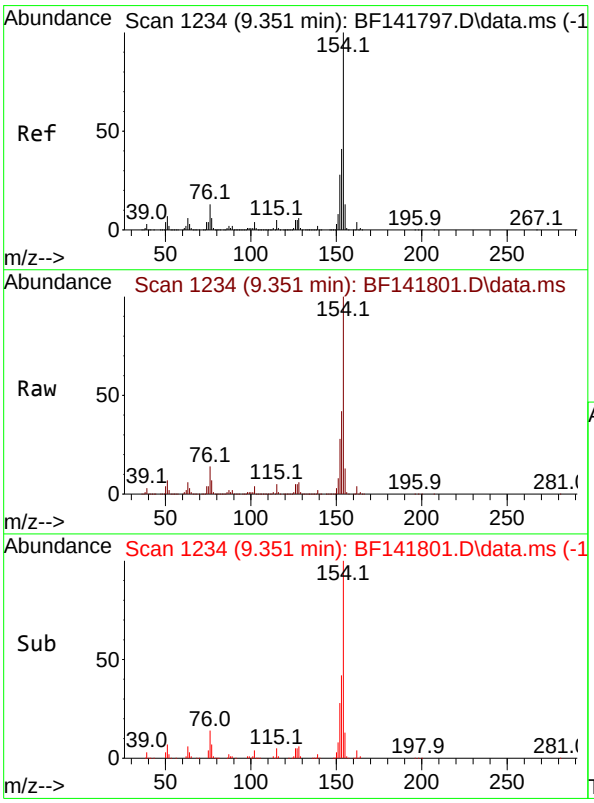
#45
2-Fluorobiphenyl
Concen: 75.957 ng
RT: 9.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:172 Resp: 3570541

Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.2	43.8
170	25.1	19.7	29.5

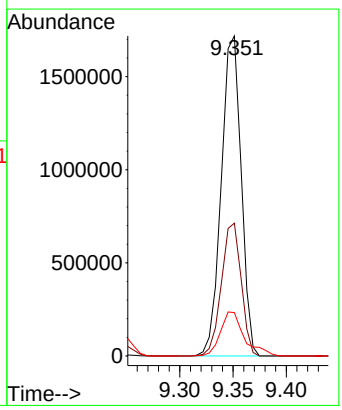


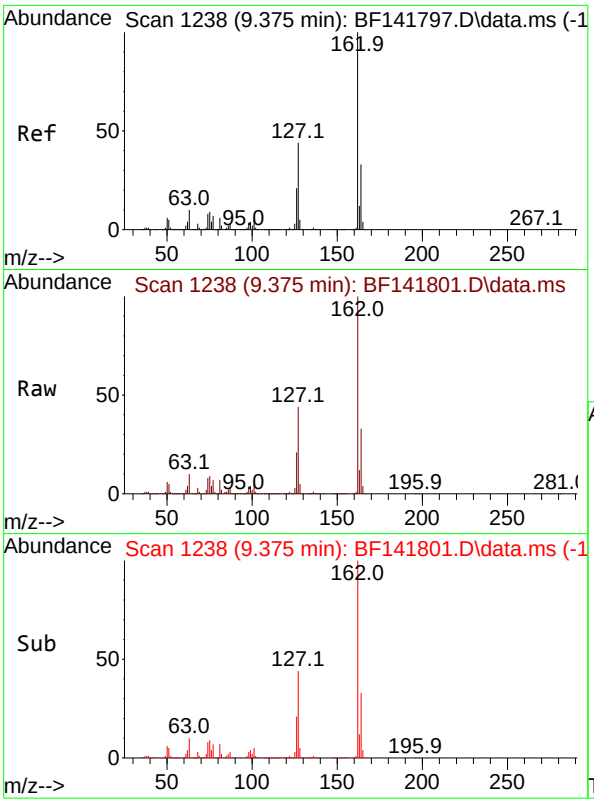


#46
1,1'-Biphenyl
Concen: 38.864 ng
RT: 9.351 min Scan# 1234
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:154 Resp: 2229687

Ion	Ratio	Lower	Upper
154	100		
153	41.5	21.4	61.4
76	13.6	0.0	33.4



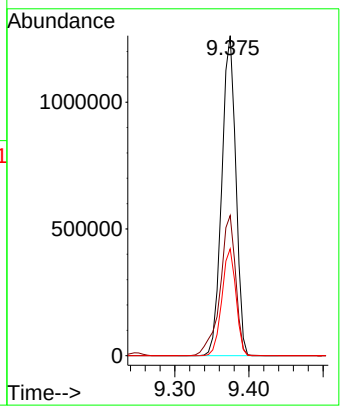


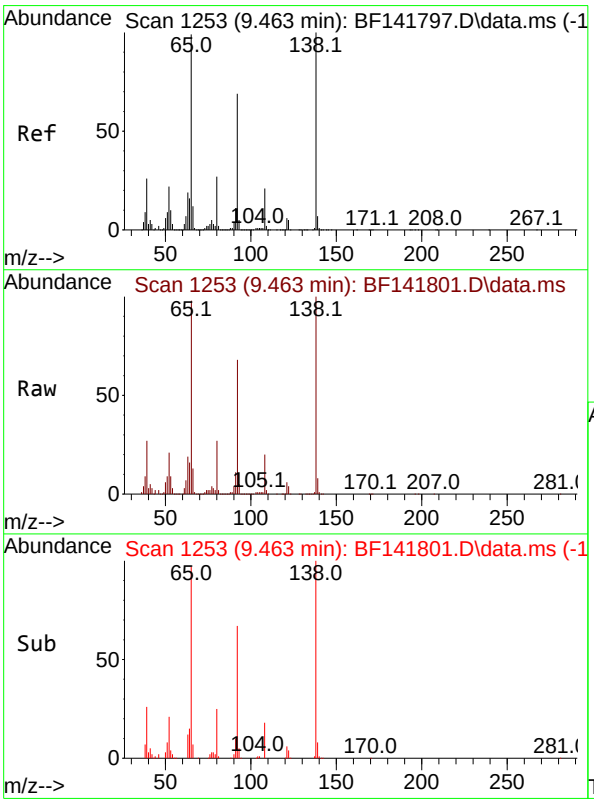
#47
2-Chloronaphthalene
Concen: 39.288 ng
RT: 9.375 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:162 Resp: 1663643

Ion	Ratio	Lower	Upper
162	100		
127	43.8	35.0	52.6
164	33.4	26.6	40.0

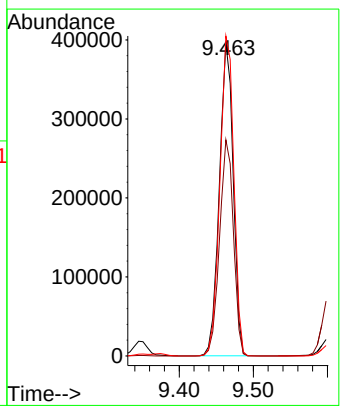


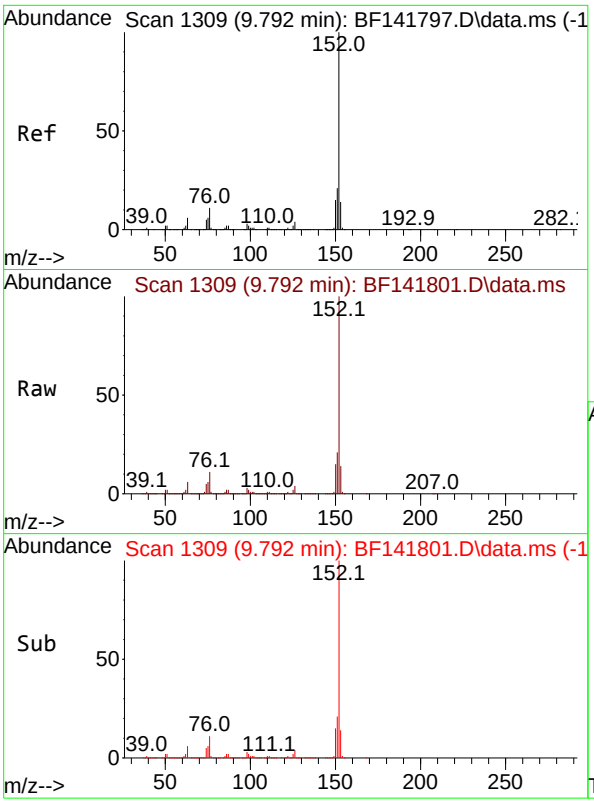


#48
2-Nitroaniline
Concen: 44.684 ng
RT: 9.463 min Scan# 1253
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion: 65 Resp: 514104

Ion	Ratio	Lower	Upper
65	100		
92	69.1	55.7	83.5
138	102.2	80.6	121.0



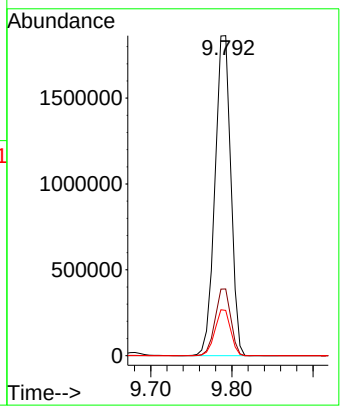


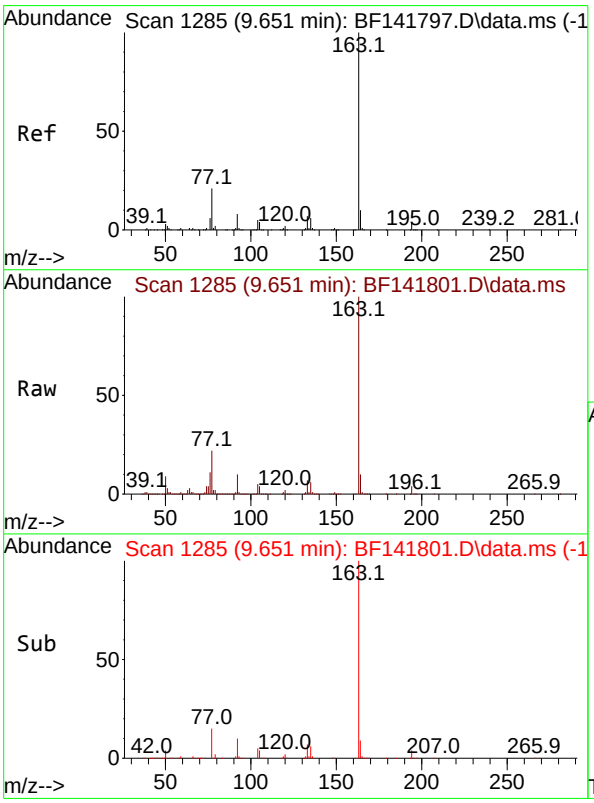
#49
Acenaphthylene
Concen: 39.907 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:152 Resp: 2533613

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.6	24.8
153	14.1	11.2	16.8

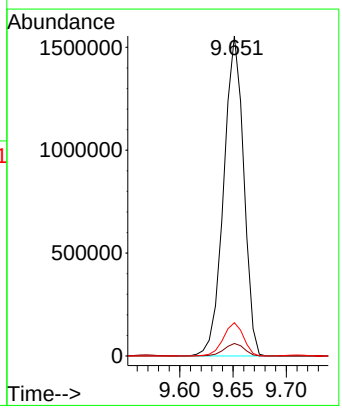


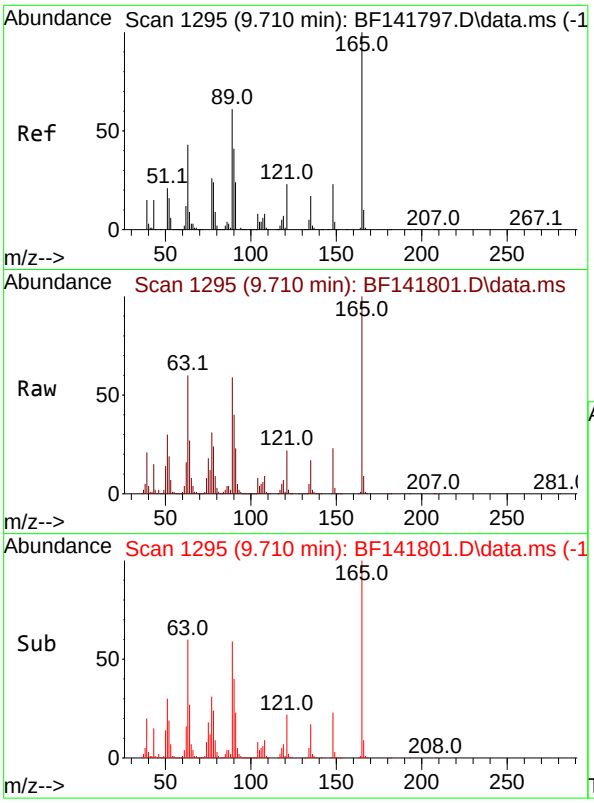


#50
Dimethylphthalate
Concen: 40.250 ng
RT: 9.651 min Scan# 1285
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:163 Resp: 2031698

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.4	8.4	12.6



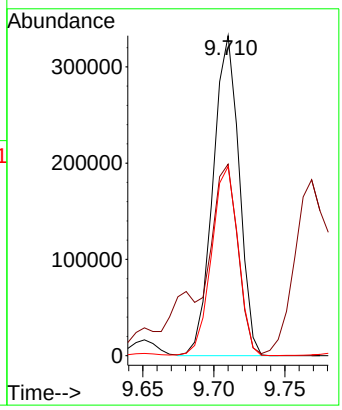


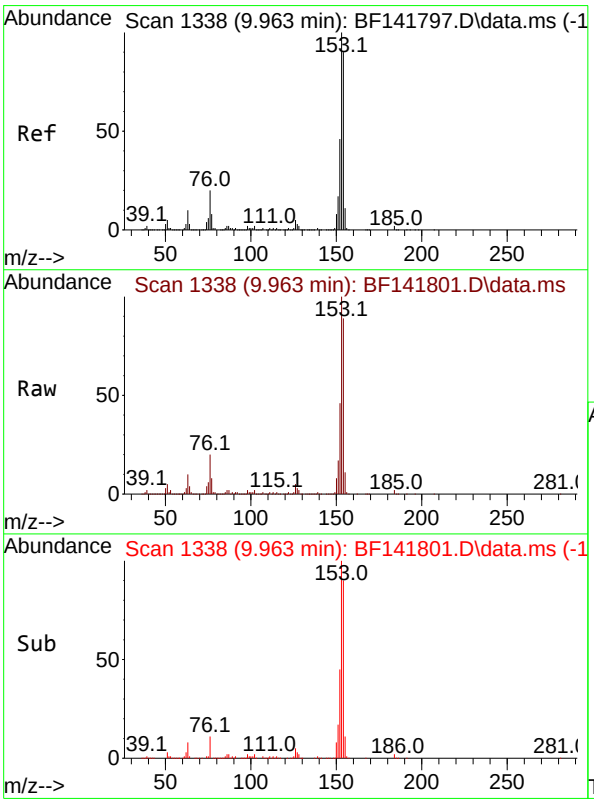
#51
2,6-Dinitrotoluene
Concen: 44.292 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:165 Resp: 425445

Ion	Ratio	Lower	Upper
165	100		
63	59.8	49.5	74.3
89	59.1	49.0	73.4

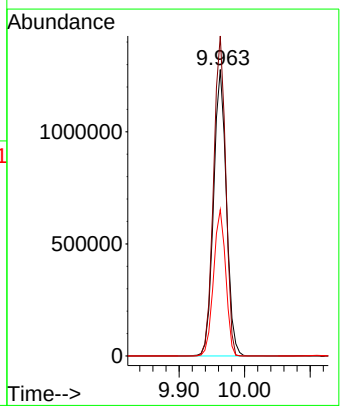


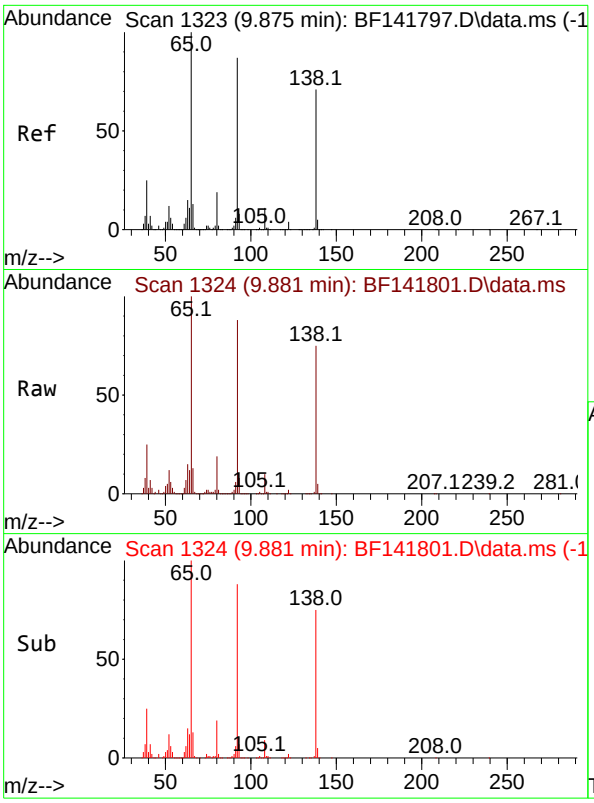


#52
Acenaphthene
Concen: 40.488 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:154 Resp: 1734464

Ion	Ratio	Lower	Upper
154	100		
153	111.7	88.7	133.1
152	51.0	40.9	61.3



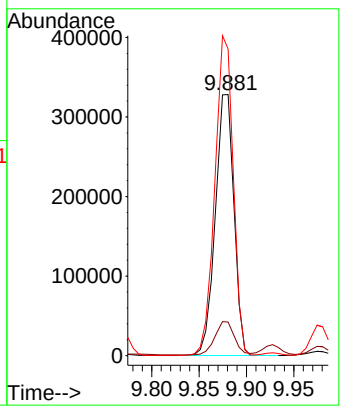


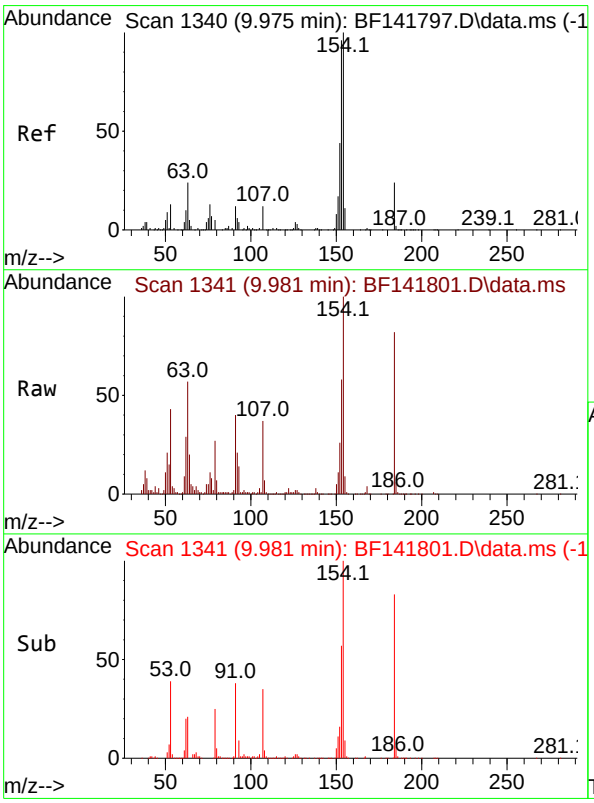
#53
3-Nitroaniline
Concen: 43.938 ng
RT: 9.881 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:138 Resp: 449174

Ion	Ratio	Lower	Upper
138	100		
108	12.9	12.7	19.1
92	117.4	97.9	146.9

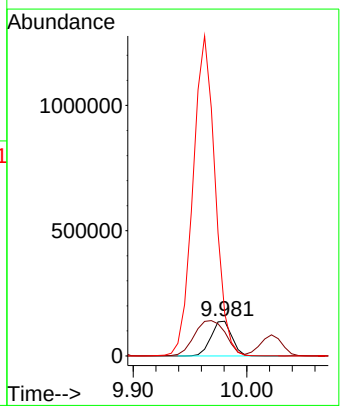


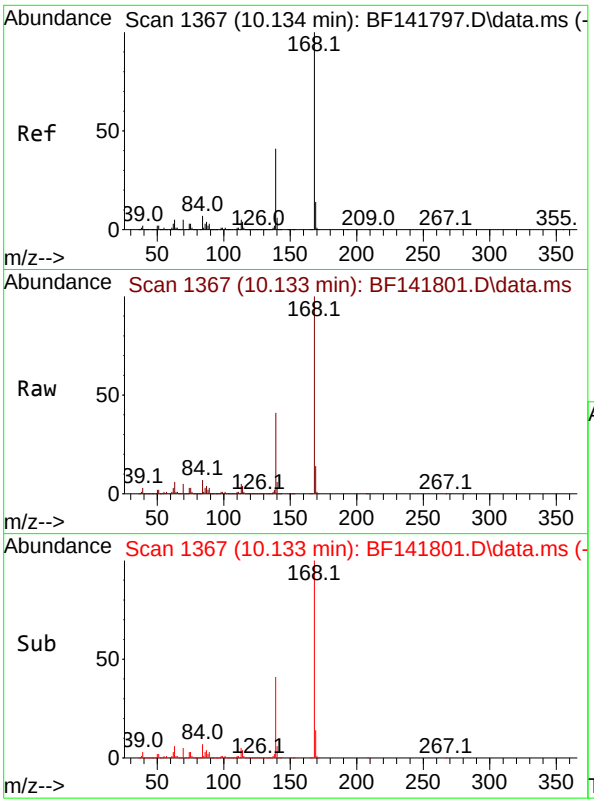


#54
2,4-Dinitrophenol
Concen: 47.494 ng
RT: 9.981 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:184 Resp: 176378

Ion	Ratio	Lower	Upper
184	100		
63	69.1	79.0	118.6#
154	121.2	335.8	503.8#



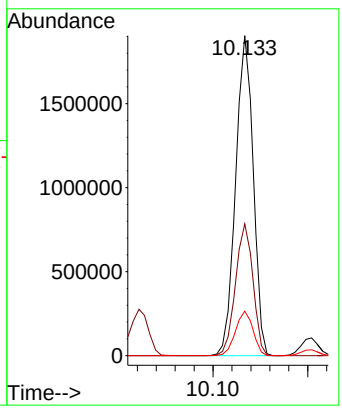


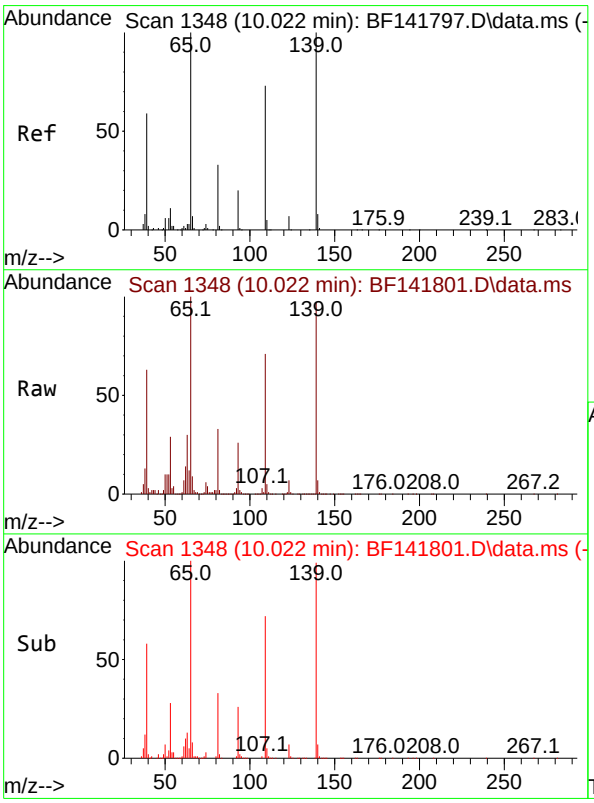
#55
Dibenzofuran
Concen: 39.391 ng
RT: 10.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:168 Resp: 2456099

Ion	Ratio	Lower	Upper
168	100		
139	41.2	32.9	49.3
169	13.9	11.1	16.7

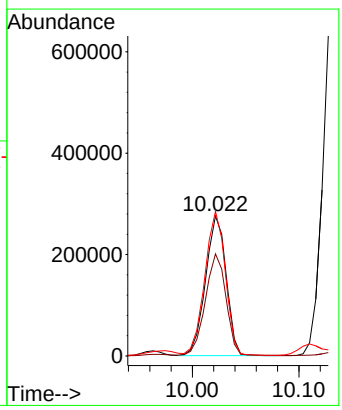


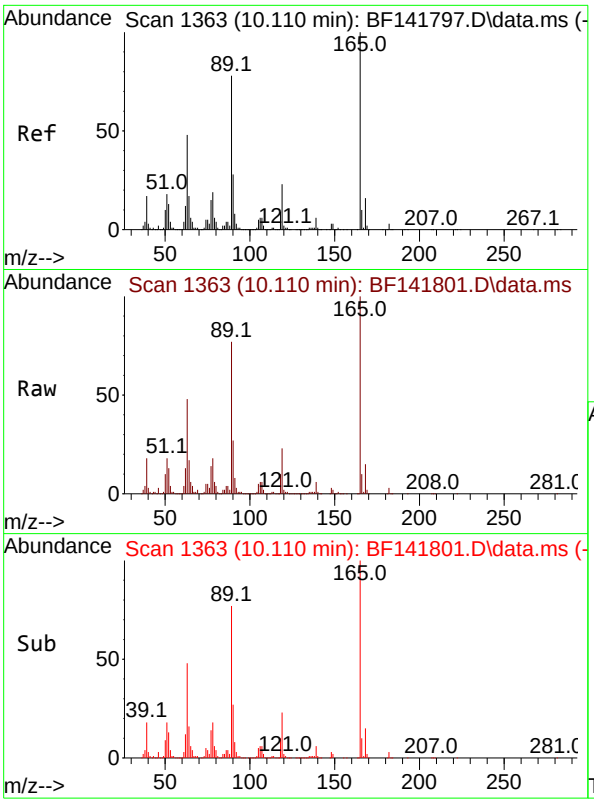


#56
4-Nitrophenol
Concen: 49.725 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:139 Resp: 370704

Ion	Ratio	Lower	Upper
139	100		
109	72.9	53.4	93.4
65	103.3	82.1	122.1



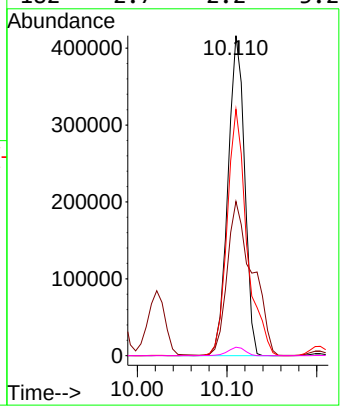


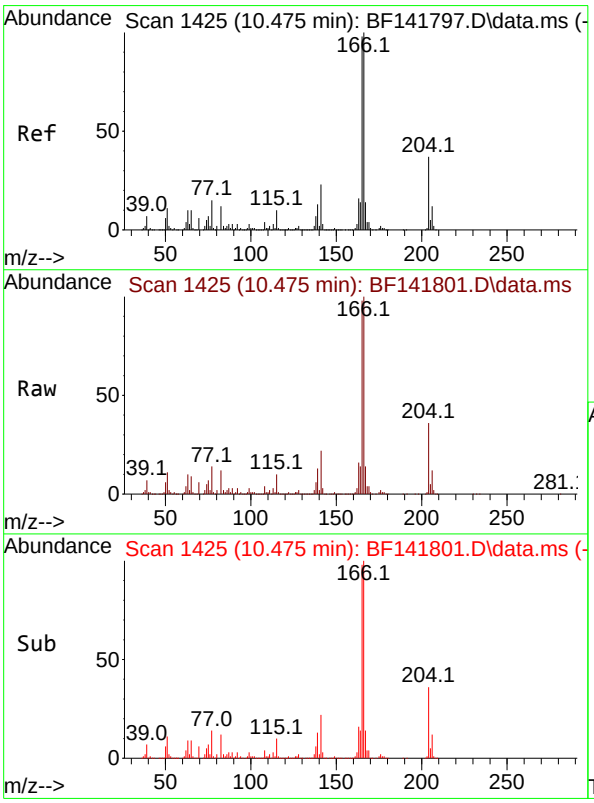
#57
2,4-Dinitrotoluene
Concen: 45.704 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:165 Resp: 536914

Ion	Ratio	Lower	Upper
165	100		
63	48.2	38.8	58.2
89	77.0	62.6	94.0
182	2.7	2.2	3.2

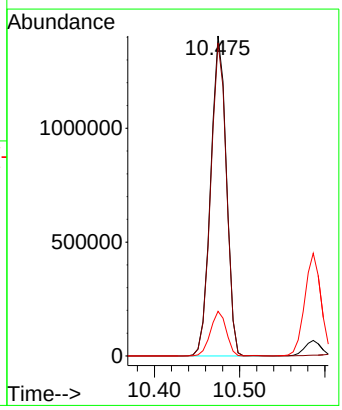


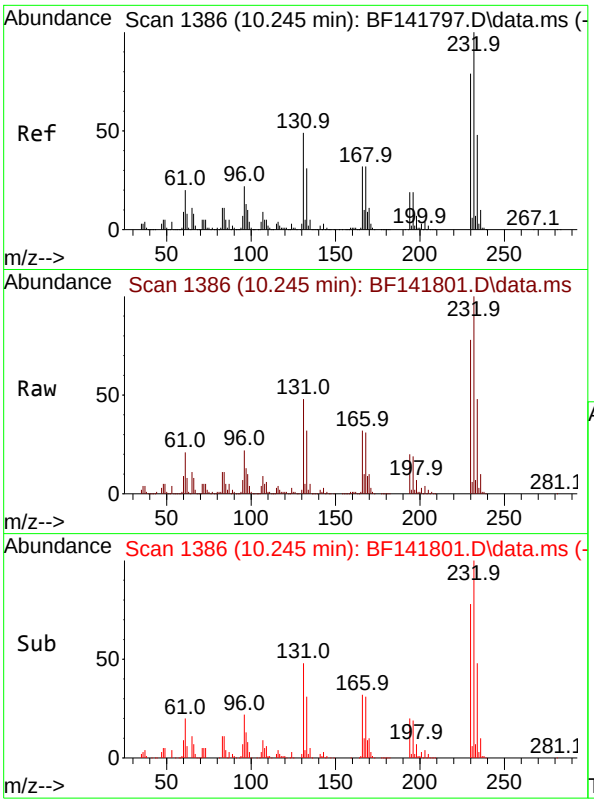


#58
Fluorene
Concen: 38.547 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:166 Resp: 1800318

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.6	117.8
167	14.0	11.0	16.4



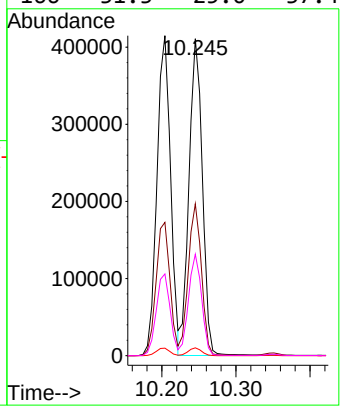


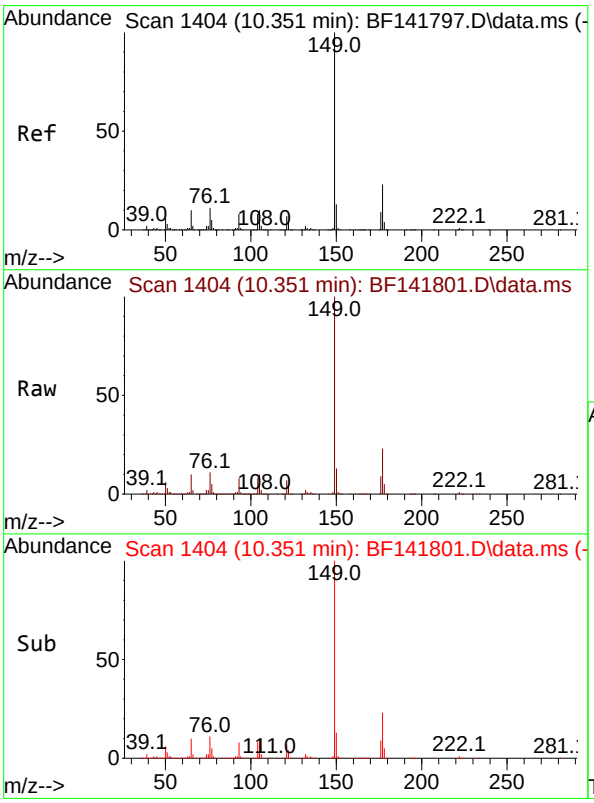
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.607 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:232 Resp: 515976

Ion	Ratio	Lower	Upper
232	100		
131	47.1	37.8	56.8
130	2.5	2.0	3.0
166	31.3	25.0	37.4

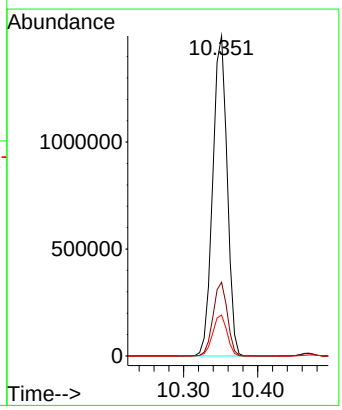


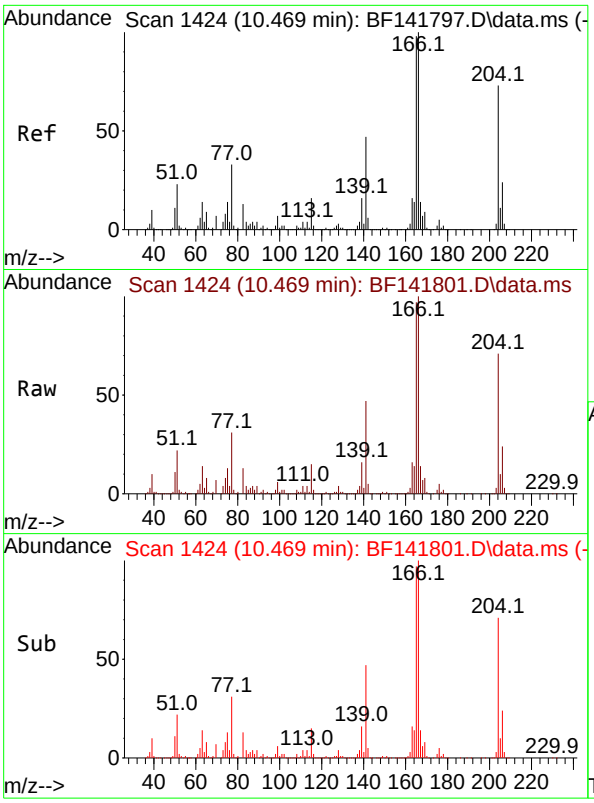


#60
Diethylphthalate
Concen: 39.896 ng
RT: 10.351 min Scan# 1404
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:149 Resp: 2018830

Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.3	27.5
150	12.8	10.3	15.5



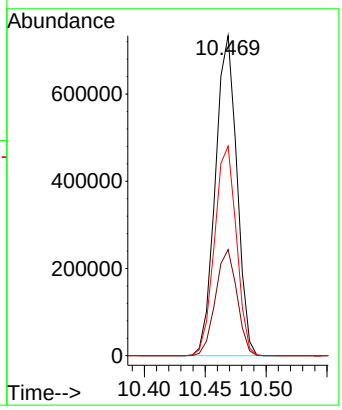


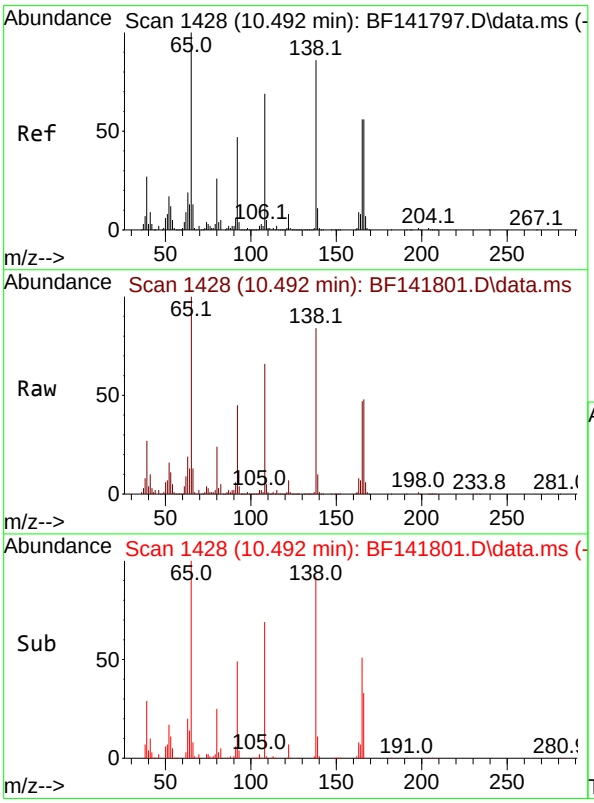
#61
4-Chlorophenyl-phenylether
Concen: 38.546 ng
RT: 10.469 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:204 Resp: 901998

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.2	39.4
141	65.4	51.7	77.5

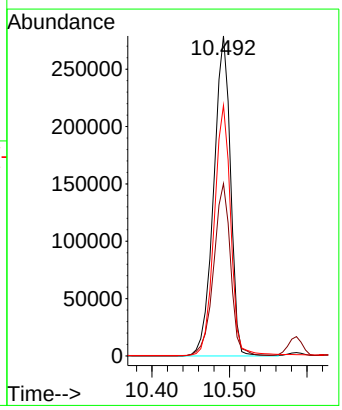


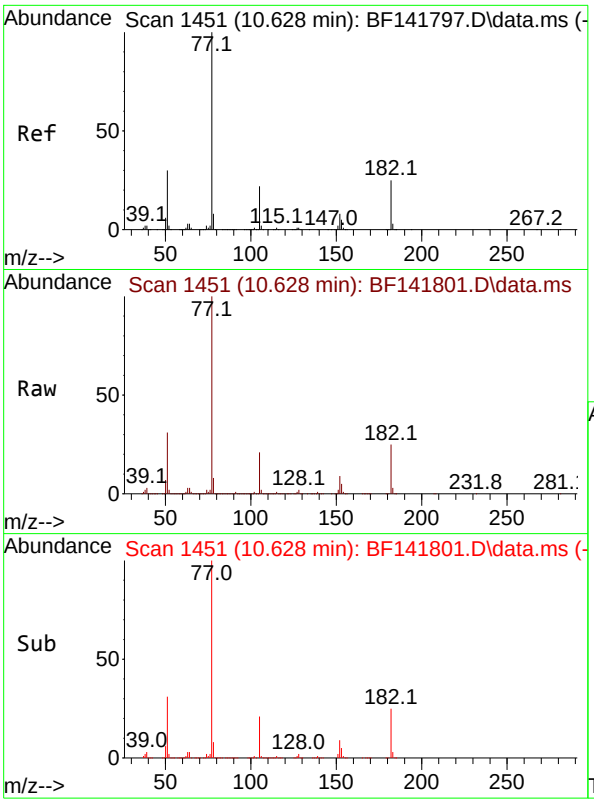


#62
4-Nitroaniline
Concen: 48.866 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:138 Resp: 421232

Ion	Ratio	Lower	Upper
138	100		
92	53.9	34.9	74.9
108	78.3	59.6	99.6



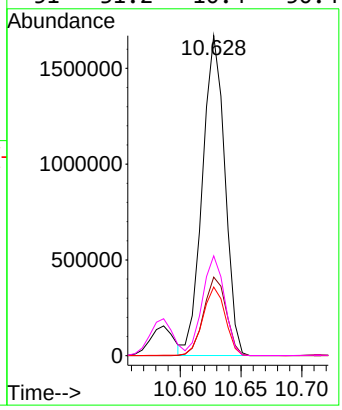


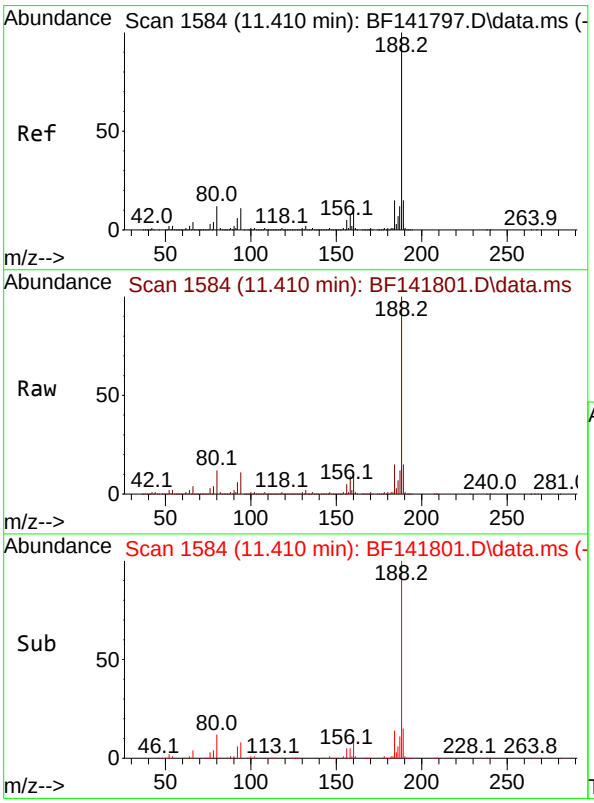
#63
Azobenzene
Concen: 40.188 ng
RT: 10.628 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion: 77 Resp: 2141198

Ion	Ratio	Lower	Upper
77	100		
182	24.5	4.2	44.2
105	21.4	1.5	41.5
51	31.2	10.4	50.4

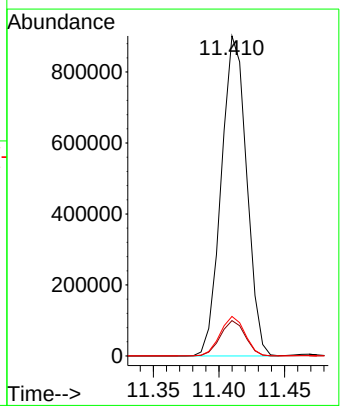


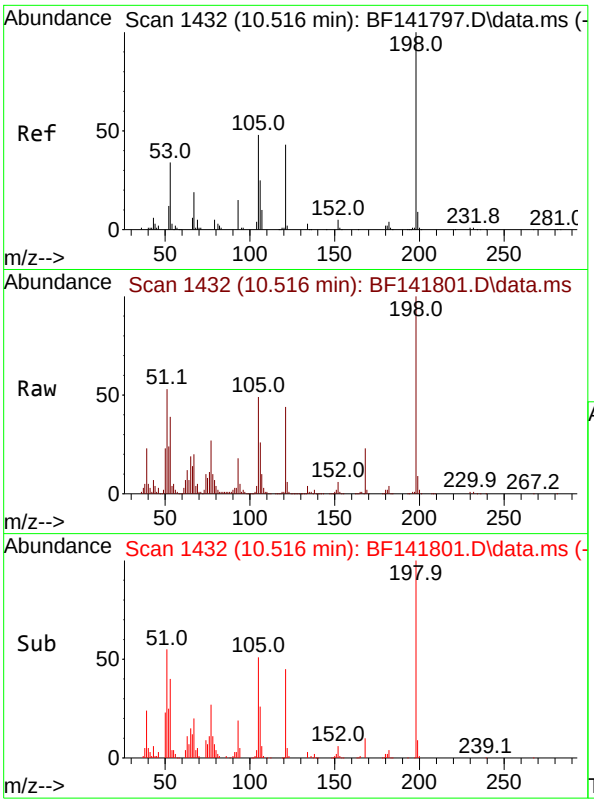


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:188 Resp: 1211382

Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.9	13.3
80	12.3	9.7	14.5



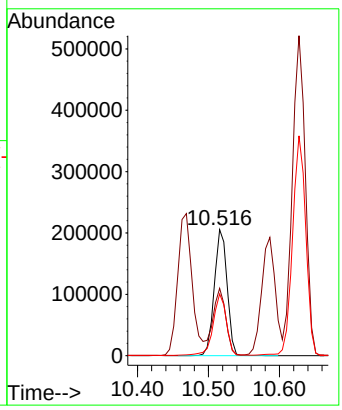


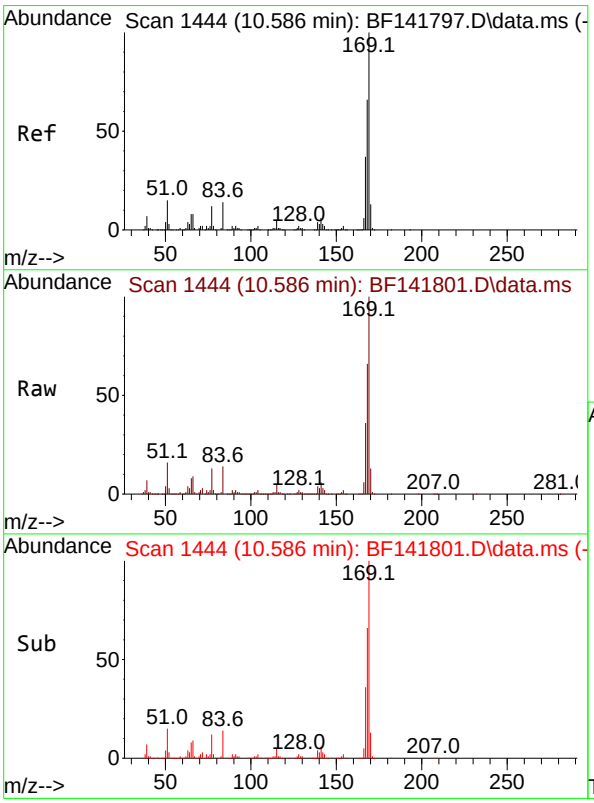
#65
4,6-Dinitro-2-methylphenol
Concen: 45.441 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:198 Resp: 256241

Ion	Ratio	Lower	Upper
198	100		
51	53.4	32.1	72.1
105	49.0	28.5	68.5

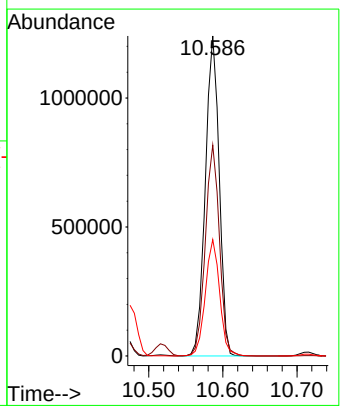


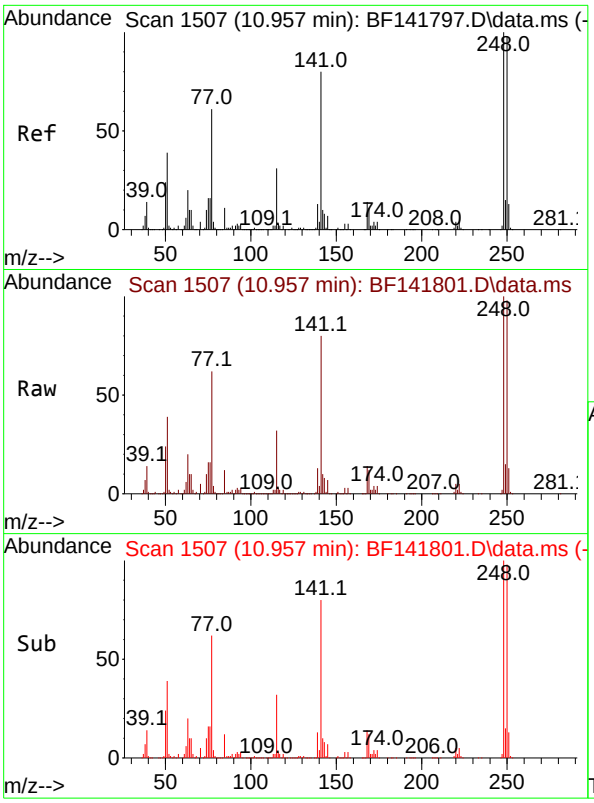


#66
n-Nitrosodiphenylamine
Concen: 40.431 ng
RT: 10.586 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:169 Resp: 1608263

Ion	Ratio	Lower	Upper
169	100		
168	65.9	53.0	79.6
167	36.4	29.3	43.9



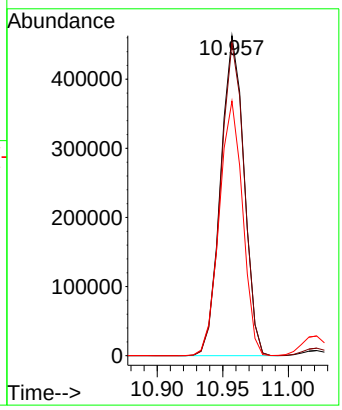


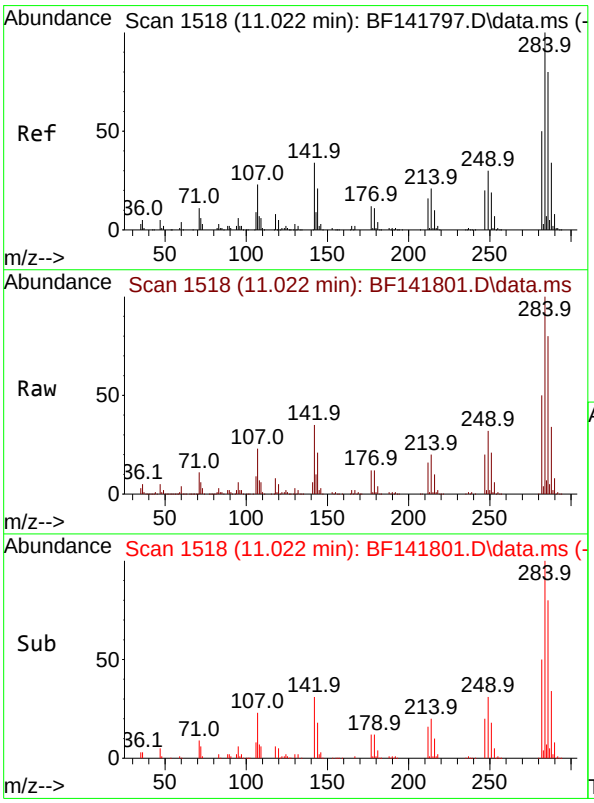
#67
4-Bromophenyl-phenylether
Concen: 40.614 ng
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:248 Resp: 574667

Ion	Ratio	Lower	Upper
248	100		
250	97.7	78.1	117.1
141	79.5	64.3	96.5

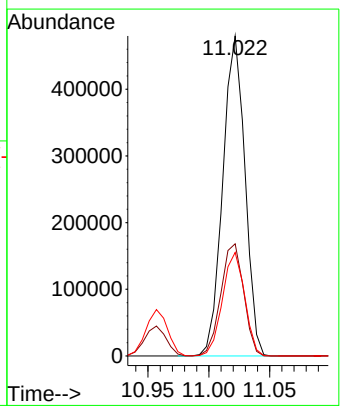


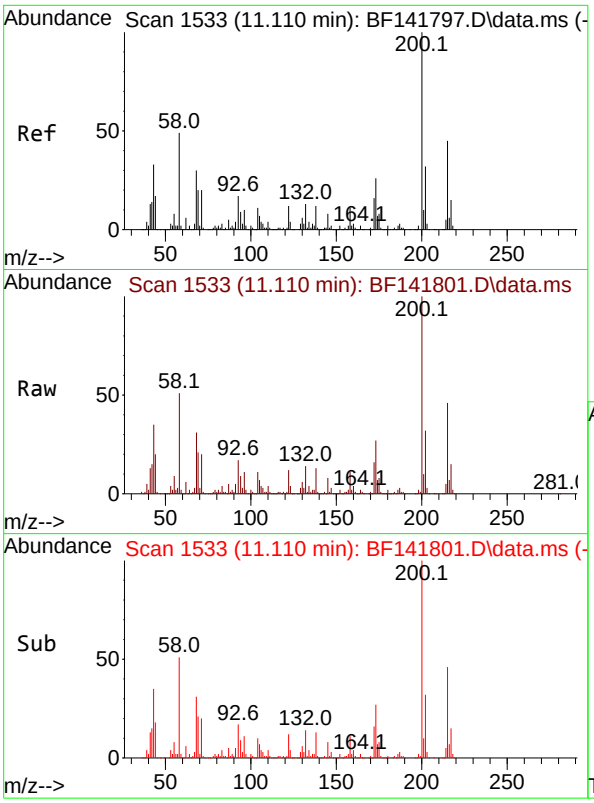


#68
Hexachlorobenzene
Concen: 40.697 ng
RT: 11.022 min Scan# 1518
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:284 Resp: 608067

Ion	Ratio	Lower	Upper
284	100		
142	35.0	28.2	42.2
249	32.4	25.5	38.3



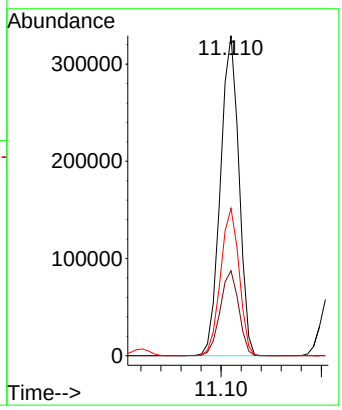


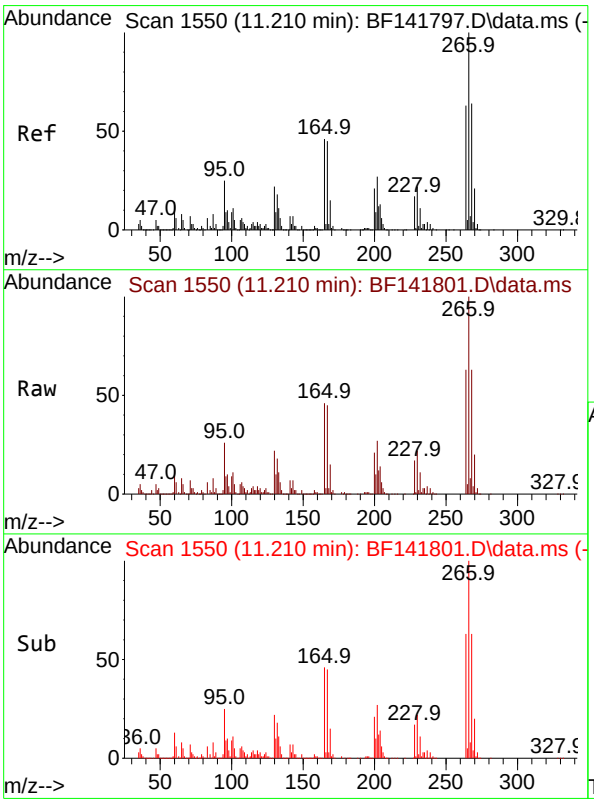
#69
Atrazine
Concen: 38.463 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:200 Resp: 420733

Ion	Ratio	Lower	Upper
200	100		
173	26.5	5.6	45.6
215	46.1	25.3	65.3

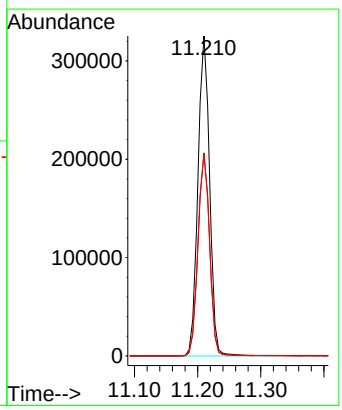


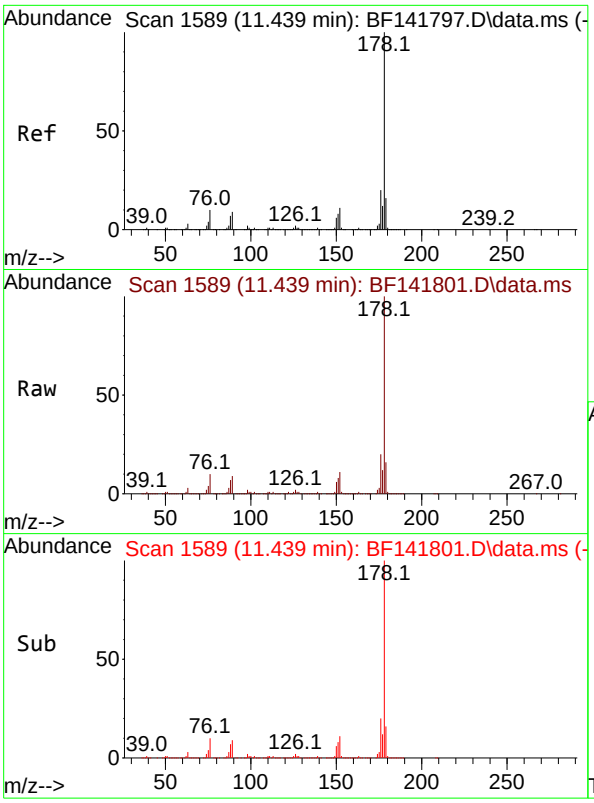


#70
Pentachlorophenol
Concen: 44.032 ng
RT: 11.210 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:266 Resp: 417260

Ion	Ratio	Lower	Upper
266	100		
268	63.5	50.9	76.3
264	63.4	50.2	75.4



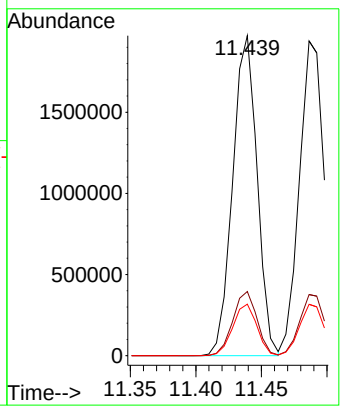


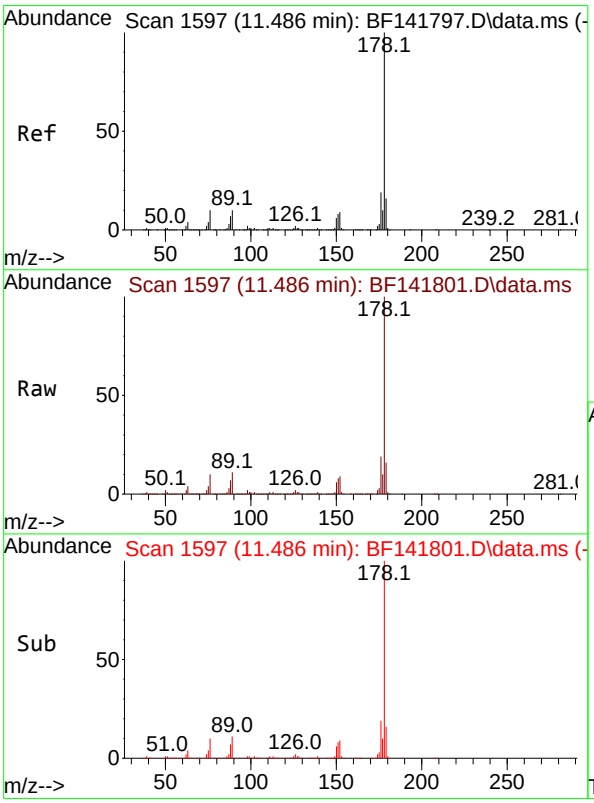
#71
Phenanthrene
Concen: 39.475 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:178 Resp: 2557877

Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.0	24.0
179	16.1	12.6	19.0

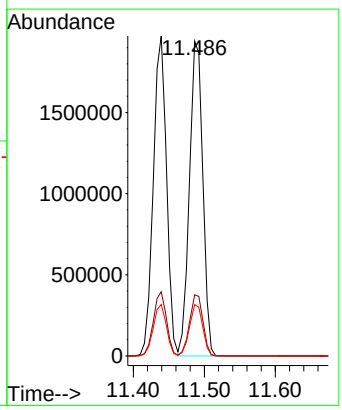


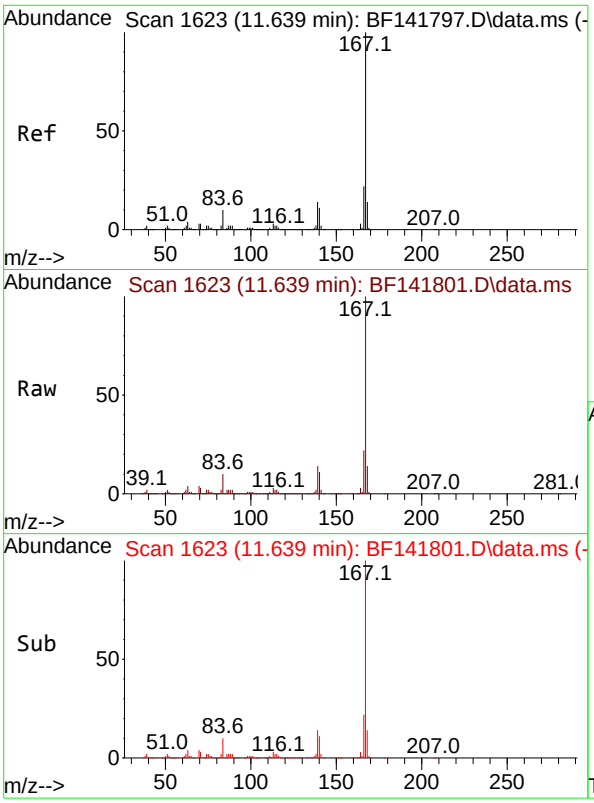


#72
Anthracene
Concen: 39.126 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:178 Resp: 2540876

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	16.3	12.8	19.2



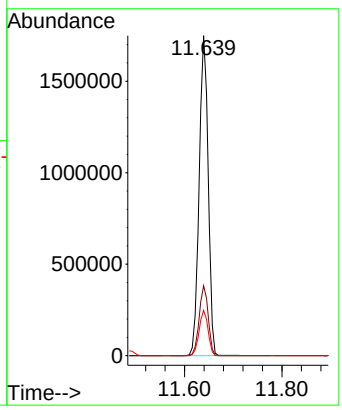


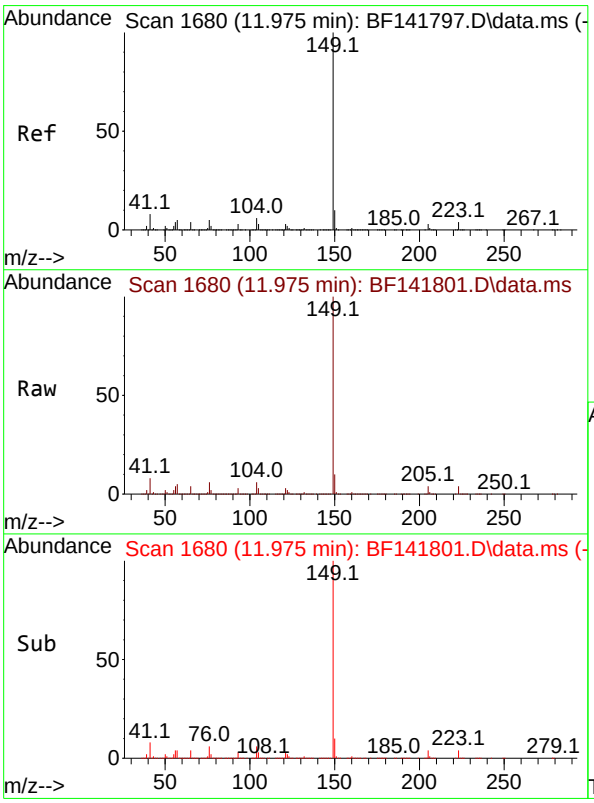
#73
Carbazole
Concen: 39.317 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:167 Resp: 2254761

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.5	26.3
139	14.2	11.3	16.9

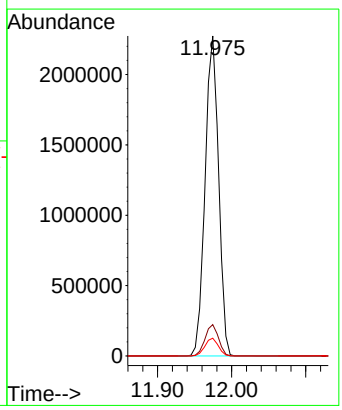


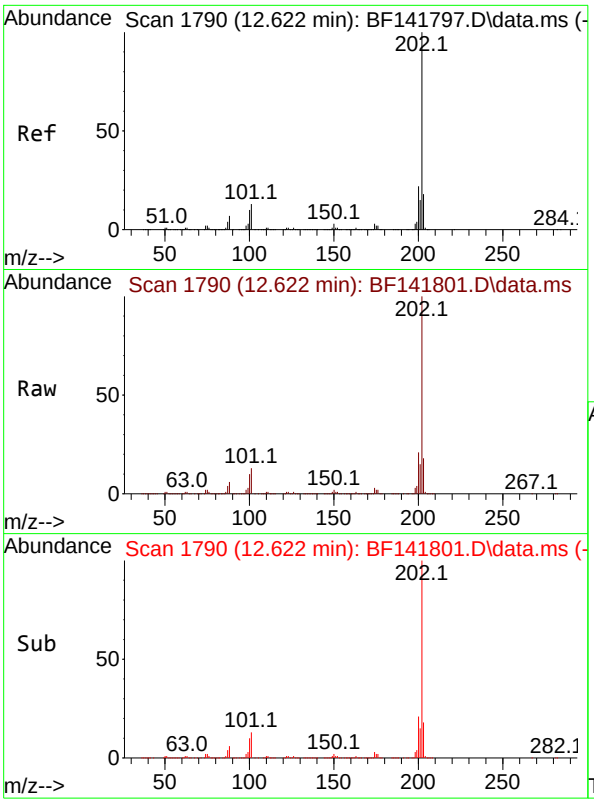


#74
Di-n-butylphthalate
Concen: 39.540 ng
RT: 11.975 min Scan# 1680
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:149 Resp: 2874276

Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.7	11.5
104	5.5	4.4	6.6



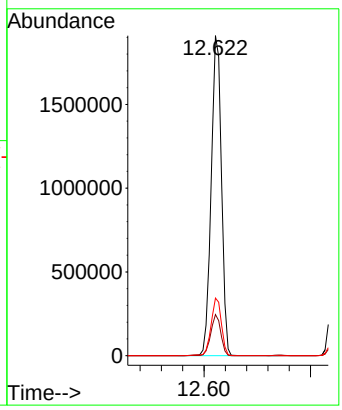


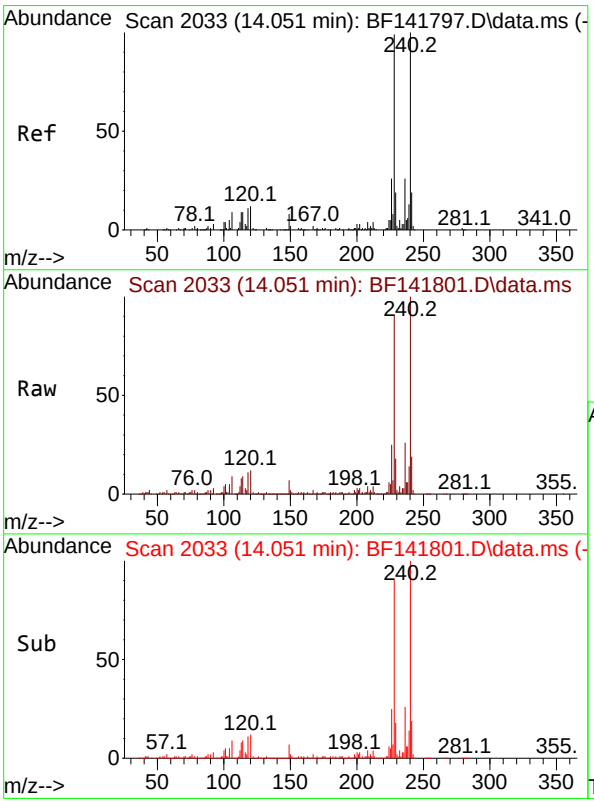
#75
Fluoranthene
Concen: 38.448 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:202 Resp: 2552790

Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	32.8
203	18.0	0.0	38.0

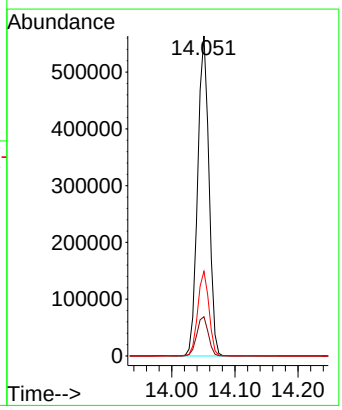


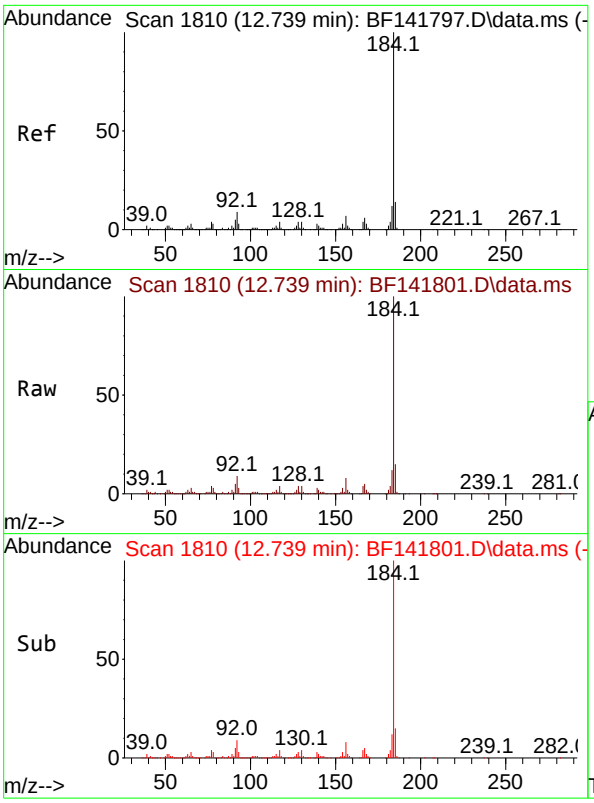


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:240 Resp: 696919

Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.7	14.5
236	26.5	21.0	31.4



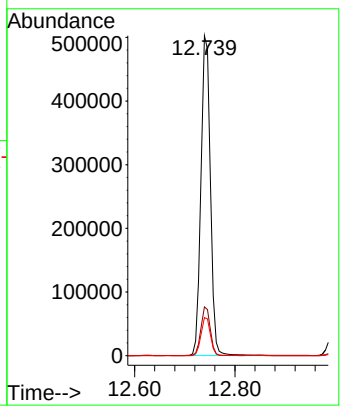


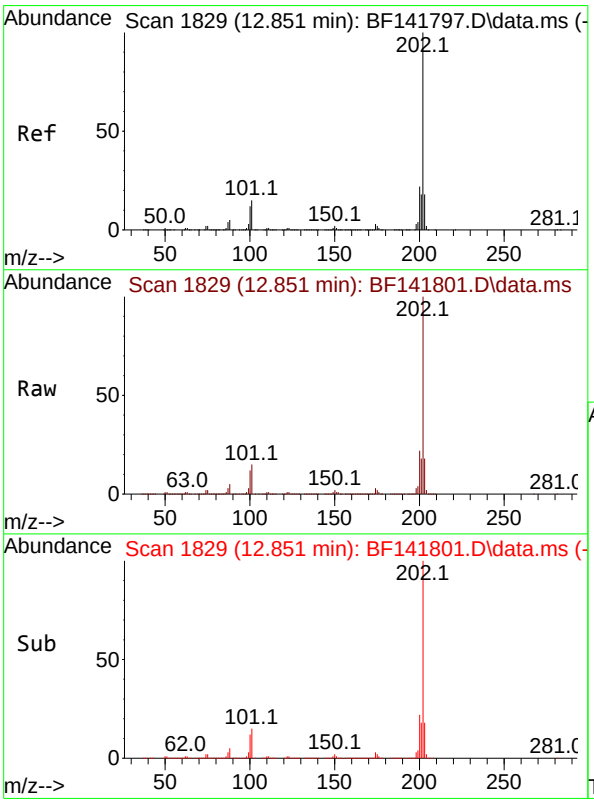
#77
Benzidine
Concen: 74.959 ng
RT: 12.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:184 Resp: 657519

Ion	Ratio	Lower	Upper
184	100		
185	15.3	11.6	17.4
183	11.9	9.4	14.0

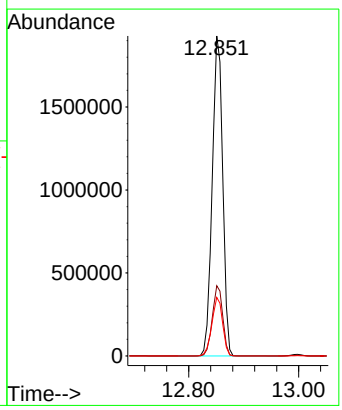


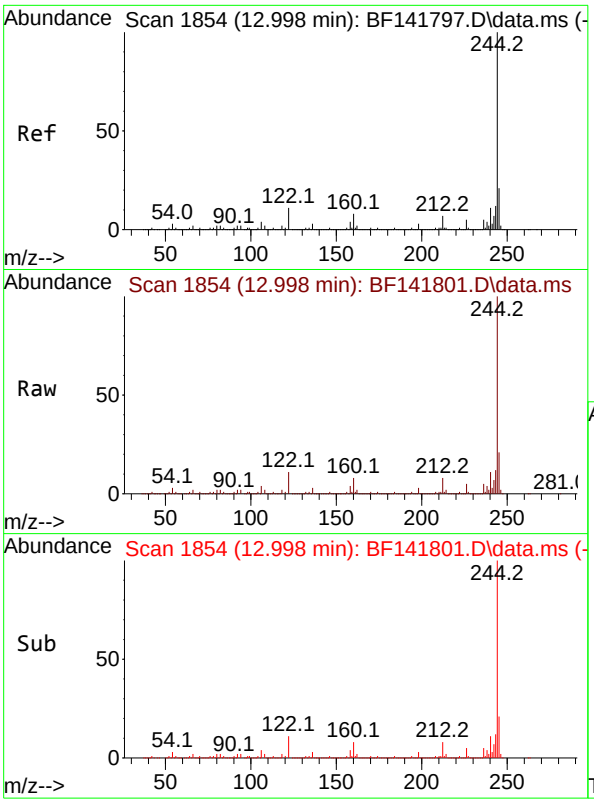


#78
Pyrene
Concen: 42.307 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:202 Resp: 2553211

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.4	26.0
203	18.3	14.6	22.0



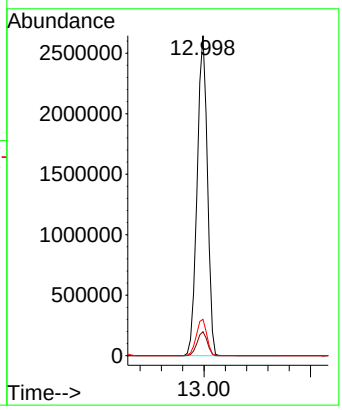


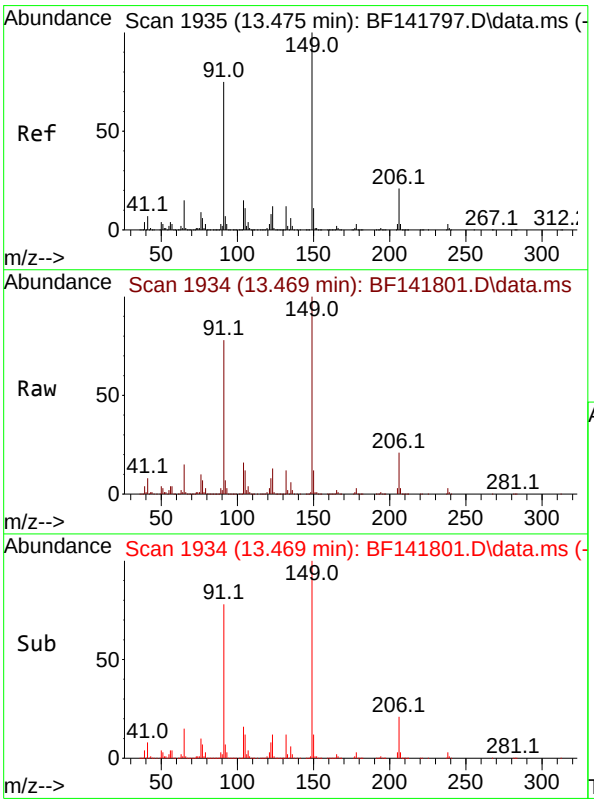
#79
Terphenyl-d14
Concen: 82.060 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:244 Resp: 3534753

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	11.3	9.0	13.6

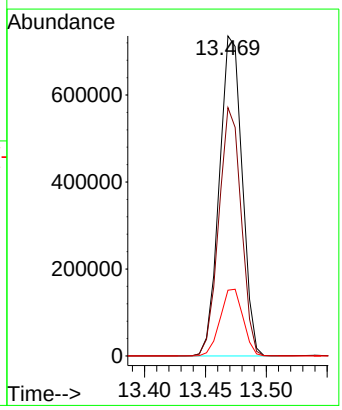


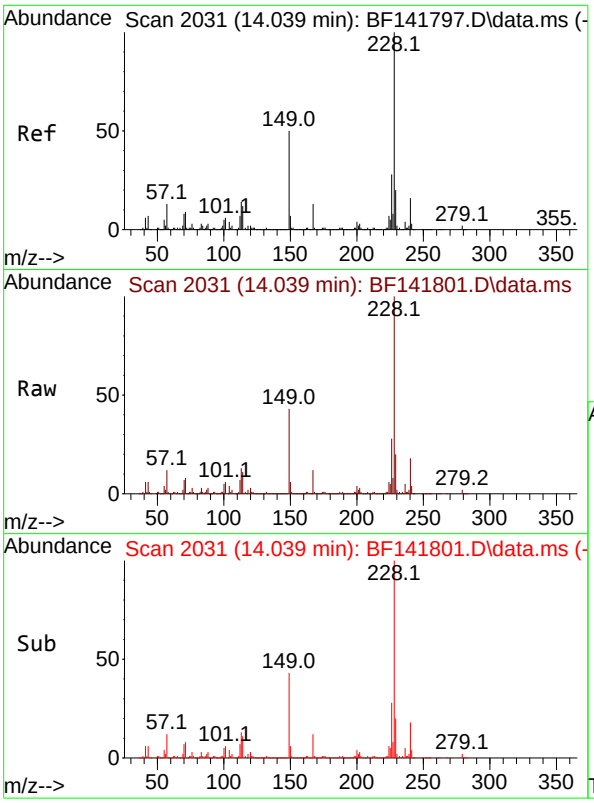


#80
Butylbenzylphthalate
Concen: 43.655 ng
RT: 13.469 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:149 Resp: 957186

Ion	Ratio	Lower	Upper
149	100		
91	77.6	60.1	90.1
206	20.5	16.8	25.2



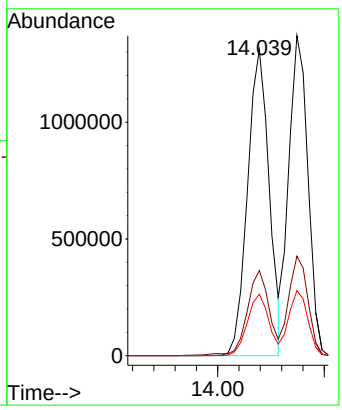


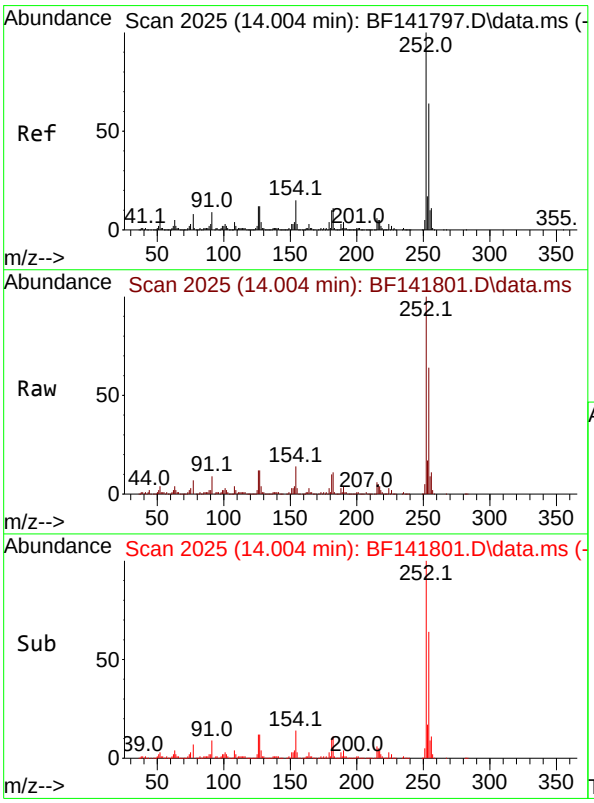
#81
Benzo(a)anthracene
Concen: 40.236 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:228 Resp: 1852195

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.1	33.1
229	20.1	16.1	24.1

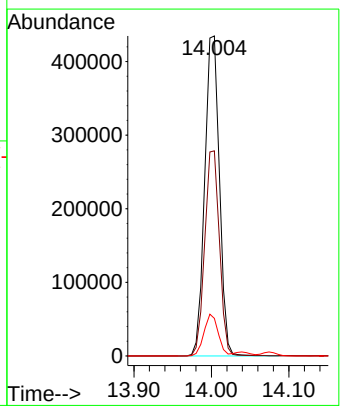


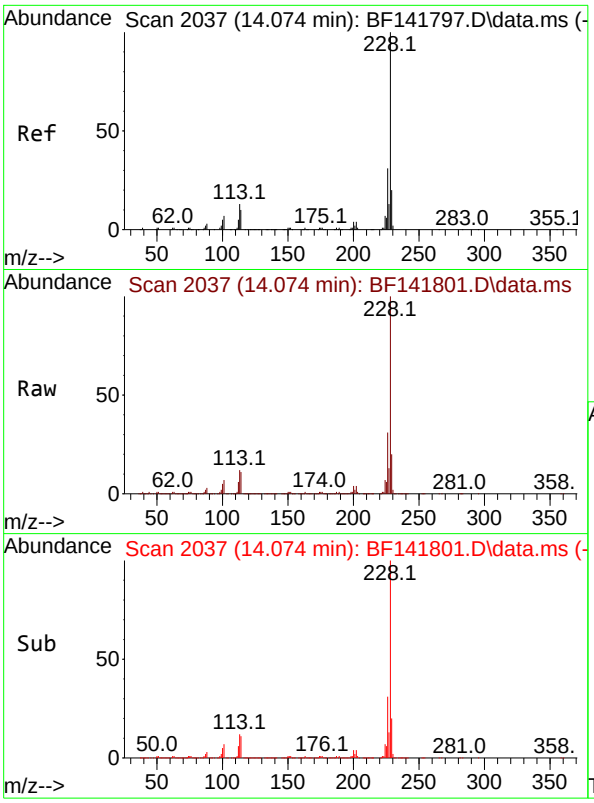


#82
3,3'-Dichlorobenzidine
Concen: 43.392 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:252 Resp: 573075

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.4	77.0
126	11.8	9.8	14.6



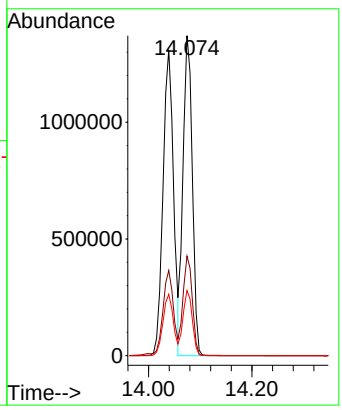


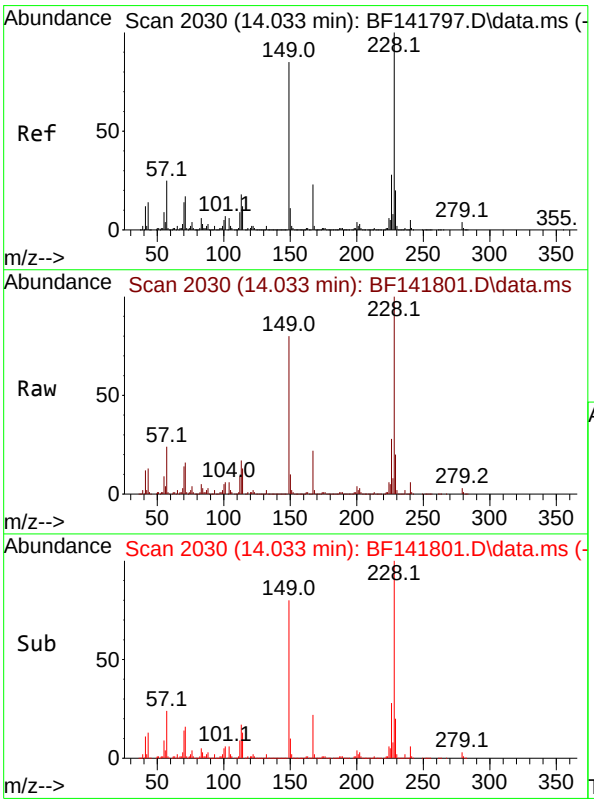
#83
Chrysene
Concen: 40.491 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:228 Resp: 1718188

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.6	37.0
229	20.4	16.1	24.1

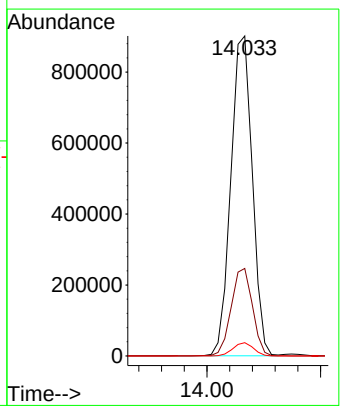


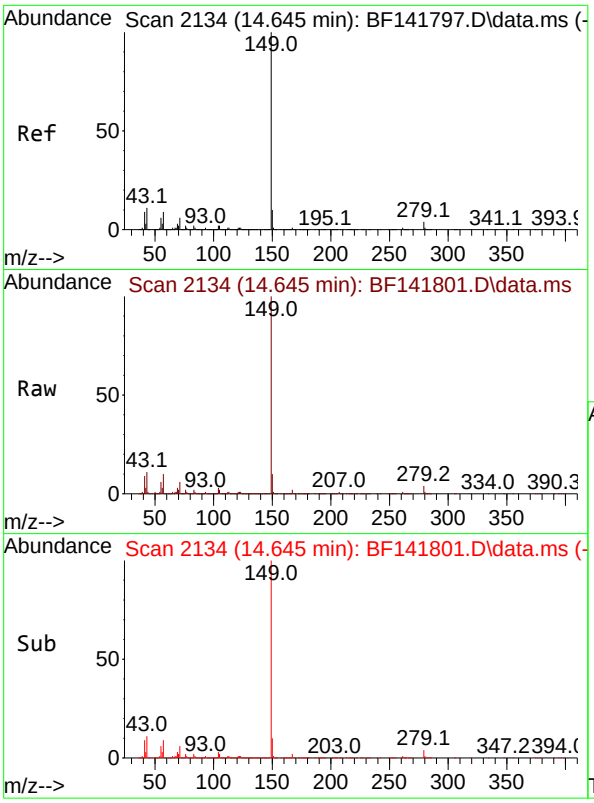


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.350 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:149 Resp: 1183508

Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.2	31.8
279	4.2	3.3	4.9



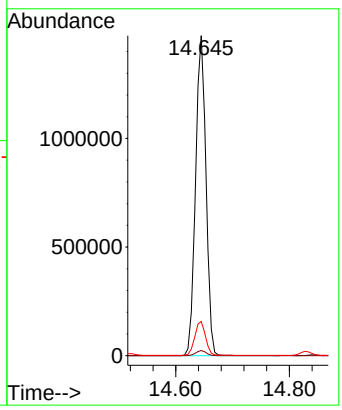


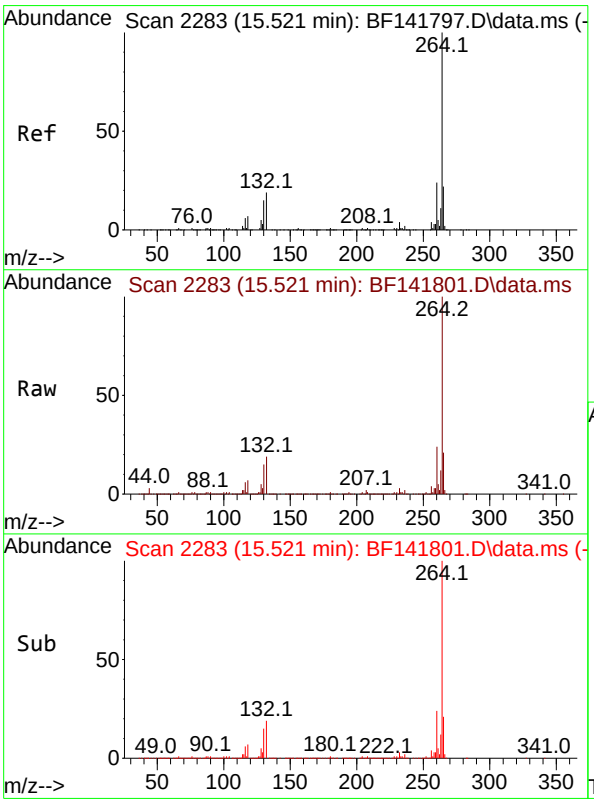
#85
Di-n-octyl phthalate
Concen: 46.033 ng
RT: 14.645 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:149 Resp: 1881499

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.0	8.6	12.8

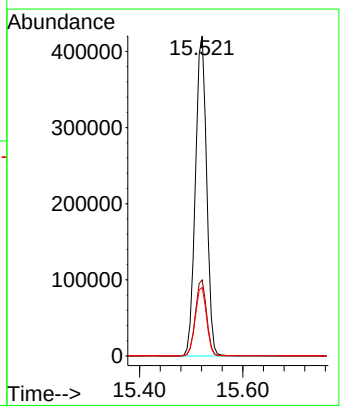


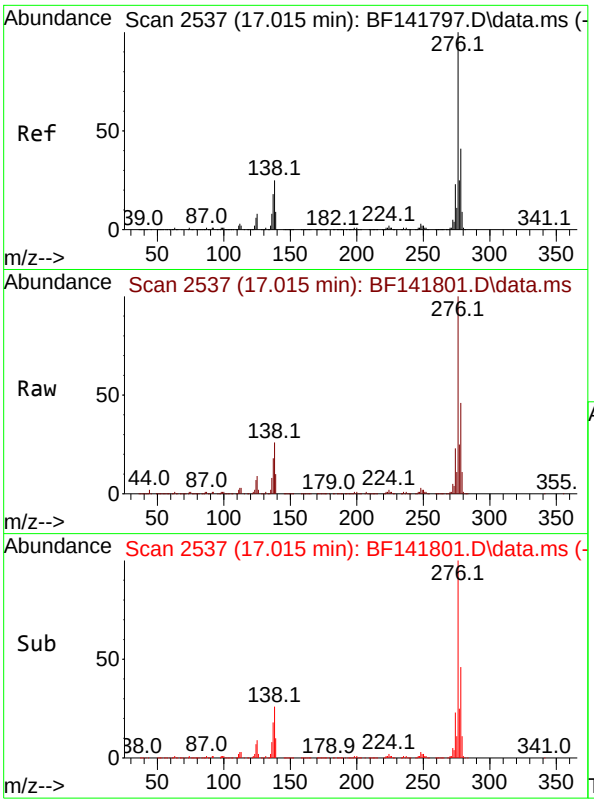


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:264 Resp: 634238

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	21.4	17.4	26.0



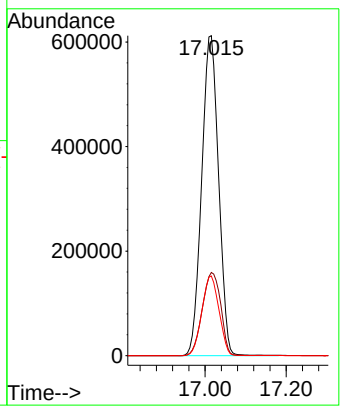


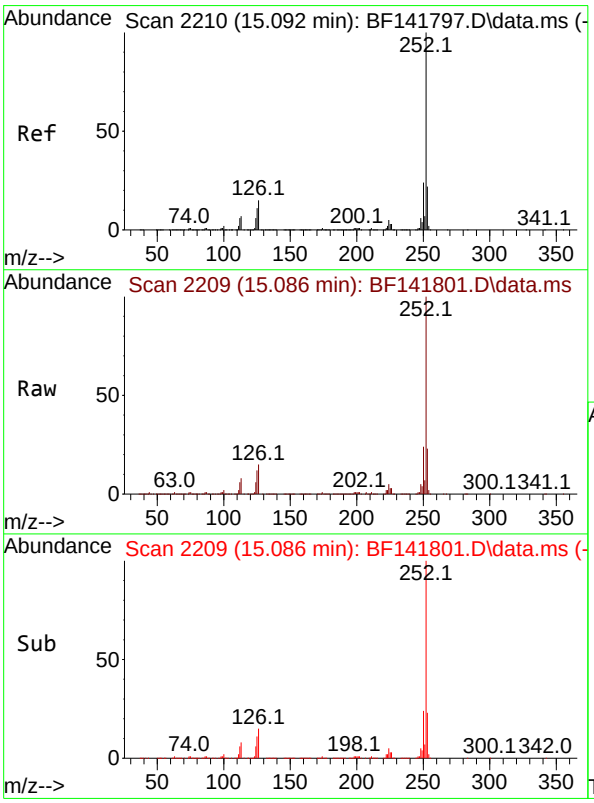
#87
Indeno(1,2,3-cd)pyrene
Concen: 43.754 ng
RT: 17.015 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:276 Resp: 1767077

Ion	Ratio	Lower	Upper
276	100		
138	28.3	22.5	33.7
277	25.3	20.3	30.5

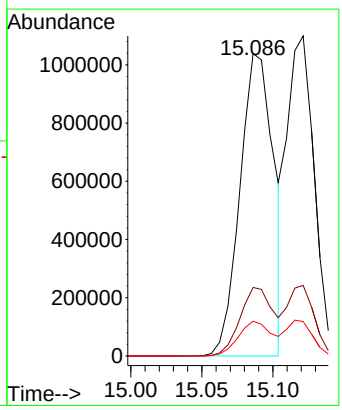


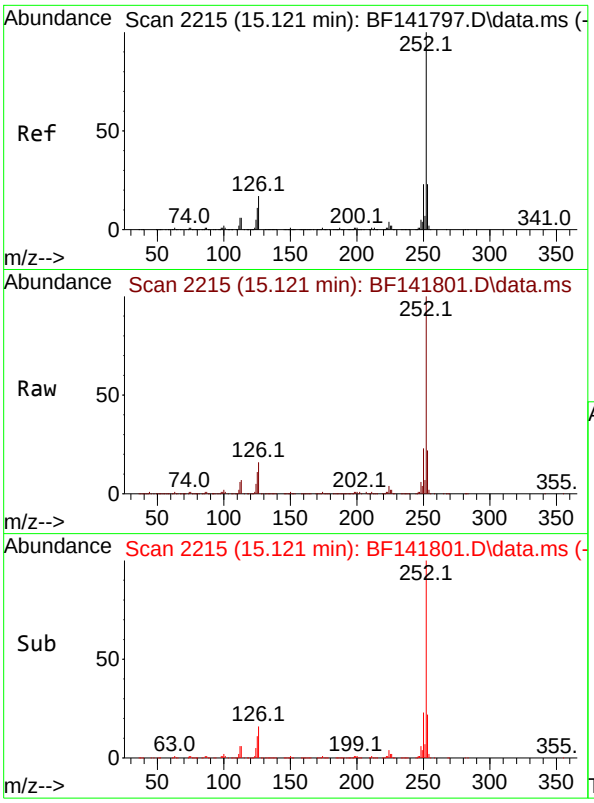


#88
Benzo(b)fluoranthene
Concen: 39.602 ng
RT: 15.086 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:252 Resp: 1710890

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	11.5	8.6	13.0



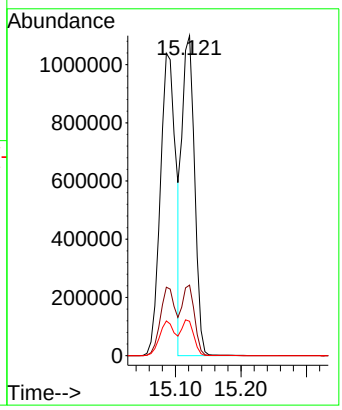


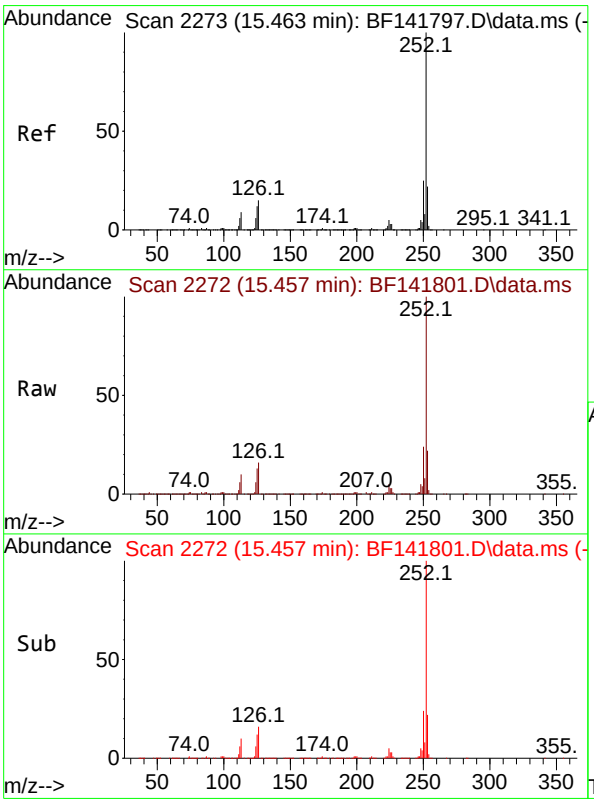
#89
Benzo(k)fluoranthene
Concen: 39.608 ng
RT: 15.121 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:252 Resp: 1454422

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	10.8	8.8	13.2

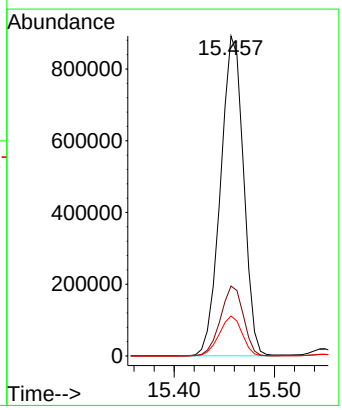


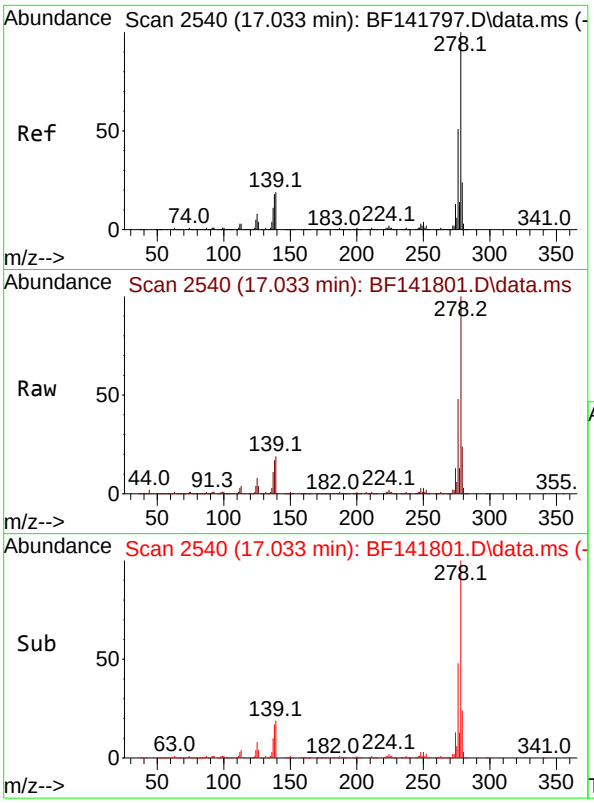


#90
Benzo(a)pyrene
Concen: 40.891 ng
RT: 15.457 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:252 Resp: 1416788

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	12.5	9.4	14.2



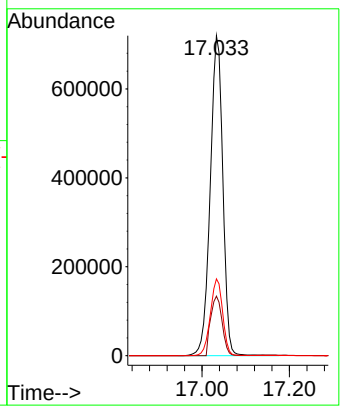


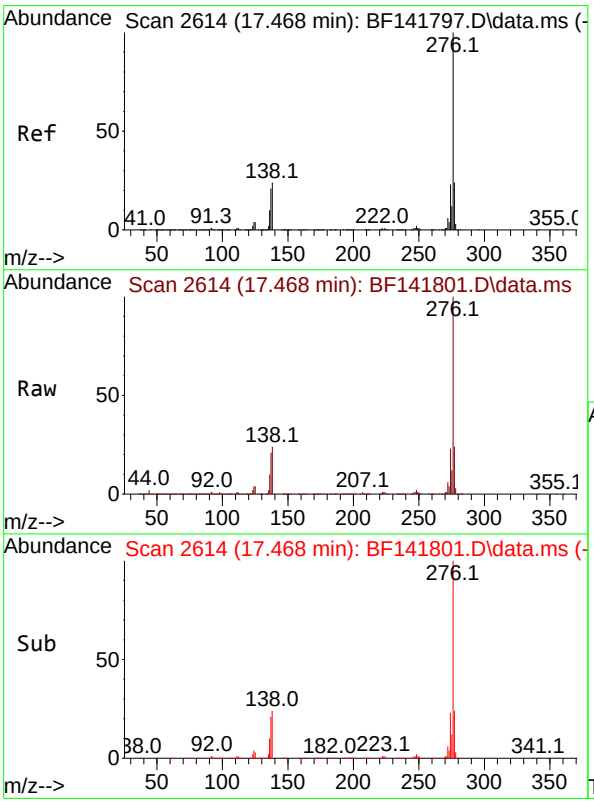
#91
Dibenzo(a,h)anthracene
Concen: 43.693 ng
RT: 17.033 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:278 Resp: 1440368

Ion	Ratio	Lower	Upper
278	100		
139	18.6	14.9	22.3
279	24.0	19.3	28.9

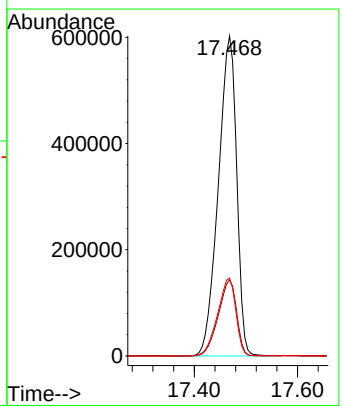




#92
Benzo(g,h,i)perylene
Concen: 43.969 ng
RT: 17.468 min Scan# 2614
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:276 Resp: 1484943

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.4	29.0
138	24.4	19.3	28.9



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141801.D
Acq On : 27 Feb 2025 19:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Quant Time: Feb 28 01:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	117	0.00
2		1,4-Dioxane	0.568	0.589	-3.7	116	0.00
3		Pyridine	1.414	1.505	-6.4	119	0.00
4		n-Nitrosodimethylamine	0.680	0.741	-9.0	119	0.00
5	S	2-Fluorophenol	1.252	1.291	-3.1	117	0.00
6		Aniline	1.695	1.816	-7.1	117	0.00
7	S	Phenol-d6	1.630	1.692	-3.8	117	0.00
8		2-Chlorophenol	1.355	1.423	-5.0	118	0.00
9		Benzaldehyde	0.948	1.035	-9.2	123	0.00
10	C	Phenol	1.742	1.812	-4.0	116	0.00
11		bis(2-Chloroethyl)ether	1.328	1.386	-4.4	121	0.00
12		1,3-Dichlorobenzene	1.451	1.505	-3.7	117	0.00
13	C	1,4-Dichlorobenzene	1.462	1.501	-2.7	116	0.00
14		1,2-Dichlorobenzene	1.365	1.394	-2.1	116	0.00
15		Benzyl Alcohol	1.303	1.386	-6.4	118	0.00
16		2,2'-oxybis(1-Chloropropane	2.016	2.151	-6.7	121	0.00
17		2-Methylphenol	1.118	1.184	-5.9	119	0.00
18		Hexachloroethane	0.547	0.580	-6.0	117	0.00
19	P	n-Nitroso-di-n-propylamine	1.072	1.112	-3.7	119	0.00
20		3+4-Methylphenols	1.392	1.457	-4.7	118	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	118	0.00
22		Acetophenone	0.487	0.492	-1.0	117	0.00
23	S	Nitrobenzene-d5	0.313	0.370	-18.2	128	0.00
24		Nitrobenzene	0.335	0.383	-14.3	125	0.00
25		Isophorone	0.672	0.688	-2.4	119	0.00
26	C	2-Nitrophenol	0.127	0.169	-33.1#	139	0.00
27		2,4-Dimethylphenol	0.247	0.259	-4.9	120	0.00
28		bis(2-Chloroethoxy)methane	0.429	0.433	-0.9	118	0.00
29	C	2,4-Dichlorophenol	0.285	0.300	-5.3	119	0.00
30		1,2,4-Trichlorobenzene	0.312	0.318	-1.9	118	0.00
31		Naphthalene	1.028	1.024	0.4	116	0.00
32		Benzoic acid	0.179	0.232	-29.6#	144	0.00
33		4-Chloroaniline	0.377	0.378	-0.3	118	0.00
34	C	Hexachlorobutadiene	0.194	0.199	-2.6	119	0.00
35		Caprolactam	0.088	0.094	-6.8	121	0.00
36	C	4-Chloro-3-methylphenol	0.317	0.331	-4.4	120	0.00
37		2-Methylnaphthalene	0.674	0.669	0.7	117	0.00
38		1-Methylnaphthalene	0.647	0.641	0.9	116	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	121	0.00
40		1,2,4,5-Tetrachlorobenzene	0.578	0.579	-0.2	118	0.00
41	P	Hexachlorocyclopentadiene	0.241	0.235	2.5	110	0.00
42	S	2,4,6-Tribromophenol	0.188	0.198	-5.3	120	0.00
43	C	2,4,6-Trichlorophenol	0.373	0.393	-5.4	119	0.00
44		2,4,5-Trichlorophenol	0.369	0.386	-4.6	122	0.00
45	S	2-Fluorobiphenyl	1.247	1.184	5.1	115	0.00
46		1,1'-Biphenyl	1.522	1.479	2.8	117	0.00
47		2-Chloronaphthalene	1.124	1.104	1.8	117	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141801.D
Acq On : 27 Feb 2025 19:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Quant Time: Feb 28 01:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.260	0.341	-31.2#	137	0.00
49		Acenaphthylene	1.685	1.681	0.2	118	0.00
50		Dimethylphthalate	1.339	1.348	-0.7	119	0.00
51		2,6-Dinitrotoluene	0.226	0.282	-24.8	132	0.00
52	C	Acenaphthene	1.137	1.151	-1.2	121	0.00
53		3-Nitroaniline	0.241	0.298	-23.7	130	0.00
54	P	2,4-Dinitrophenol	0.089	0.117	-31.5#	152#	0.00
55		Dibenzofuran	1.654	1.629	1.5	118	0.00
56	P	4-Nitrophenol	0.198	0.246	-24.2	130	0.00
57		2,4-Dinitrotoluene	0.269	0.356	-32.3#	137	0.00
58		Fluorene	1.239	1.194	3.6	117	0.00
59		2,3,4,6-Tetrachlorophenol	0.321	0.342	-6.5	122	0.00
60		Diethylphthalate	1.343	1.339	0.3	117	0.00
61		4-Chlorophenyl-phenylether	0.621	0.598	3.7	116	0.00
62		4-Nitroaniline	0.229	0.279	-21.8	126	0.00
63		Azobenzene	1.414	1.420	-0.4	119	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	117	0.00
65		4,6-Dinitro-2-methylphenol	0.081	0.106	-30.9#	143	0.00
66	c	n-Nitrosodiphenylamine	0.657	0.664	-1.1	117	0.00
67		4-Bromophenyl-phenylether	0.234	0.237	-1.3	117	0.00
68		Hexachlorobenzene	0.247	0.251	-1.6	117	0.00
69		Atrazine	0.181	0.174	3.9	114	0.00
70	C	Pentachlorophenol	0.156	0.172	-10.3	120	0.00
71		Phenanthrene	1.070	1.056	1.3	115	0.00
72		Anthracene	1.072	1.049	2.1	115	0.00
73		Carbazole	0.947	0.931	1.7	114	0.00
74		Di-n-butylphthalate	1.200	1.186	1.2	115	0.00
75	C	Fluoranthene	1.096	1.054	3.8	114	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	111	0.00
77		Benzidine	0.252	0.472	-87.3#	201#	0.00
78		Pyrene	1.732	1.832	-5.8	113	0.00
79	S	Terphenyl-d14	1.236	1.268	-2.6	111	0.00
80		Butylbenzylphthalate	0.629	0.687	-9.2	114	0.00
81		Benzo(a)anthracene	1.321	1.329	-0.6	112	0.00
82		3,3'-Dichlorobenzidine	0.379	0.411	-8.4	116	0.00
83		Chrysene	1.218	1.233	-1.2	108	0.00
84		Bis(2-ethylhexyl)phthalate	0.783	0.849	-8.4	113	0.00
85	c	Di-n-octyl phthalate	1.173	1.350	-15.1	114	0.00
86	I	Perylene-d12	1.000	1.000	0.0	112	0.00
87		Indeno(1,2,3-cd)pyrene	1.274	1.393	-9.3	116	0.00
88		Benzo(b)fluoranthene	1.362	1.349	1.0	115	0.00
89		Benzo(k)fluoranthene	1.158	1.147	0.9	106	0.00
90	C	Benzo(a)pyrene	1.093	1.117	-2.2	112	0.00
91		Dibenzo(a,h)anthracene	1.040	1.136	-9.2	115	0.00
92		Benzo(g,h,i)perylene	1.065	1.171	-10.0	116	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141801.D
Acq On : 27 Feb 2025 19:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Quant Time: Feb 28 01:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141801.D
Acq On : 27 Feb 2025 19:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Quant Time: Feb 28 01:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	117	0.00
2		1,4-Dioxane	40.000	41.486	-3.7	116	0.00
3		Pyridine	40.000	42.572	-6.4	119	0.00
4		n-Nitrosodimethylamine	40.000	43.575	-8.9	119	0.00
5	S	2-Fluorophenol	80.000	82.443	-3.1	117	0.00
6		Aniline	40.000	42.857	-7.1	117	0.00
7	S	Phenol-d6	80.000	83.039	-3.8	117	0.00
8		2-Chlorophenol	40.000	42.011	-5.0	118	0.00
9		Benzaldehyde	40.000	43.684	-9.2	123	0.00
10	C	Phenol	40.000	41.614	-4.0	116	0.00
11		bis(2-Chloroethyl)ether	40.000	41.763	-4.4	121	0.00
12		1,3-Dichlorobenzene	40.000	41.498	-3.7	117	0.00
13	C	1,4-Dichlorobenzene	40.000	41.066	-2.7	116	0.00
14		1,2-Dichlorobenzene	40.000	40.857	-2.1	116	0.00
15		Benzyl Alcohol	40.000	42.564	-6.4	118	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	42.679	-6.7	121	0.00
17		2-Methylphenol	40.000	42.365	-5.9	119	0.00
18		Hexachloroethane	40.000	42.366	-5.9	117	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.525	-3.8	119	0.00
20		3+4-Methylphenols	40.000	41.840	-4.6	118	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	118	0.00
22		Acetophenone	40.000	40.417	-1.0	117	0.00
23	S	Nitrobenzene-d5	80.000	94.707	-18.4	128	0.00
24		Nitrobenzene	40.000	45.751	-14.4	125	0.00
25		Isophorone	40.000	40.944	-2.4	119	0.00
26	C	2-Nitrophenol	40.000	45.447	-13.6	139	0.00
27		2,4-Dimethylphenol	40.000	41.931	-4.8	120	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.357	-0.9	118	0.00
29	C	2,4-Dichlorophenol	40.000	42.157	-5.4	119	0.00
30		1,2,4-Trichlorobenzene	40.000	40.757	-1.9	118	0.00
31		Naphthalene	40.000	39.854	0.4	116	0.00
32		Benzoic acid	40.000	45.545	-13.9	144	0.00
33		4-Chloroaniline	40.000	40.096	-0.2	118	0.00
34	C	Hexachlorobutadiene	40.000	41.042	-2.6	119	0.00
35		Caprolactam	40.000	42.737	-6.8	121	0.00
36	C	4-Chloro-3-methylphenol	40.000	41.844	-4.6	120	0.00
37		2-Methylnaphthalene	40.000	39.710	0.7	117	0.00
38		1-Methylnaphthalene	40.000	39.635	0.9	116	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	121	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.086	-0.2	118	0.00
41	P	Hexachlorocyclopentadiene	40.000	38.975	2.6	110	0.00
42	S	2,4,6-Tribromophenol	80.000	84.321	-5.4	120	0.00
43	C	2,4,6-Trichlorophenol	40.000	42.156	-5.4	119	0.00
44		2,4,5-Trichlorophenol	40.000	41.806	-4.5	122	0.00
45	S	2-Fluorobiphenyl	80.000	75.957	5.1	115	0.00
46		1,1'-Biphenyl	40.000	38.864	2.8	117	0.00
47		2-Chloronaphthalene	40.000	39.288	1.8	117	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141801.D
Acq On : 27 Feb 2025 19:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Quant Time: Feb 28 01:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	44.684	-11.7	137	0.00
49		Acenaphthylene	40.000	39.907	0.2	118	0.00
50		Dimethylphthalate	40.000	40.250	-0.6	119	0.00
51		2,6-Dinitrotoluene	40.000	44.292	-10.7	132	0.00
52	C	Acenaphthene	40.000	40.488	-1.2	121	0.00
53		3-Nitroaniline	40.000	43.938	-9.8	130	0.00
54	P	2,4-Dinitrophenol	40.000	47.494	-18.7	152	0.00
55		Dibenzofuran	40.000	39.391	1.5	118	0.00
56	P	4-Nitrophenol	40.000	49.725	-24.3	130	0.00
57		2,4-Dinitrotoluene	40.000	45.704	-14.3	137	0.00
58		Fluorene	40.000	38.547	3.6	117	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.607	-6.5	122	0.00
60		Diethylphthalate	40.000	39.896	0.3	117	0.00
61		4-Chlorophenyl-phenylether	40.000	38.546	3.6	116	0.00
62		4-Nitroaniline	40.000	48.866	-22.2	126	0.00
63		Azobenzene	40.000	40.188	-0.5	119	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	117	0.00
65		4,6-Dinitro-2-methylphenol	40.000	45.441	-13.6	143	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.431	-1.1	117	0.00
67		4-Bromophenyl-phenylether	40.000	40.614	-1.5	117	0.00
68		Hexachlorobenzene	40.000	40.697	-1.7	117	0.00
69		Atrazine	40.000	38.463	3.8	114	0.00
70	C	Pentachlorophenol	40.000	44.032	-10.1	120	0.00
71		Phenanthrene	40.000	39.475	1.3	115	0.00
72		Anthracene	40.000	39.126	2.2	115	0.00
73		Carbazole	40.000	39.317	1.7	114	0.00
74		Di-n-butylphthalate	40.000	39.540	1.2	115	0.00
75	C	Fluoranthene	40.000	38.448	3.9	114	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	111	0.00
77		Benzidine	40.000	74.959	-87.4#	201	0.00
78		Pyrene	40.000	42.307	-5.8	113	0.00
79	S	Terphenyl-d14	80.000	82.060	-2.6	111	0.00
80		Butylbenzylphthalate	40.000	43.655	-9.1	114	0.00
81		Benzo(a)anthracene	40.000	40.236	-0.6	112	0.00
82		3,3'-Dichlorobenzidine	40.000	43.392	-8.5	116	0.00
83		Chrysene	40.000	40.491	-1.2	108	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	43.350	-8.4	113	0.00
85	c	Di-n-octyl phthalate	40.000	46.033	-15.1	114	0.00
86	I	Perylene-d12	20.000	20.000	0.0	112	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	43.754	-9.4	116	0.00
88		Benzo(b)fluoranthene	40.000	39.602	1.0	115	0.00
89		Benzo(k)fluoranthene	40.000	39.608	1.0	106	0.00
90	C	Benzo(a)pyrene	40.000	40.891	-2.2	112	0.00
91		Dibenzo(a,h)anthracene	40.000	43.693	-9.2	115	0.00
92		Benzo(g,h,i)perylene	40.000	43.969	-9.9	116	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141801.D
Acq On : 27 Feb 2025 19:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Quant Time: Feb 28 01:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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: JACO05

Lab Code: CHEM Case No.: Q1478 SAS No.: Q1478 SDG No.: Q1478

Instrument ID: BNA_F Calibration Date/Time: 03/07/2025 08:56

Lab File ID: BF141882.D Init. Calib. Date(s): 02/27/2025 02/27/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 15:17 18:45

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.414	1.348		-4.7	
2-Fluorophenol	1.252	1.256		0.3	
Phenol-d6	1.630	1.579		-3.1	
1,4-Dichlorobenzene	1.462	1.487		1.7	20.0
2-Methylphenol	1.118	1.079		-3.5	
3+4-Methylphenols	1.392	1.368		-1.7	
Nitrobenzene-d5	0.313	0.378		20.8	
Hexachloroethane	0.547	0.553		1.1	
Nitrobenzene	0.335	0.376		12.2	
Hexachlorobutadiene	0.194	0.214		10.3	20.0
2,4,6-Trichlorophenol	0.373	0.408		9.4	20.0
2-Fluorobiphenyl	1.247	1.329		6.6	
2,4,5-Trichlorophenol	0.369	0.436		18.2	
2,4-Dinitrotoluene	0.269	0.415		54.3	
2,4,6-Tribromophenol	0.188	0.260		38.3	
Hexachlorobenzene	0.247	0.280		13.4	
Pentachlorophenol	0.156	0.195		25.0	20.0
Terphenyl-d14	1.236	1.349		9.1	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141882.D
Acq On : 07 Mar 2025 08:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Mar 07 09:59:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.887	152	205331	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	782990	20.000	ng	#	0.00
39) Acenaphthene-d10	9.922	164	424782	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	725251	20.000	ng		0.00
76) Chrysene-d12	14.045	240	490278	20.000	ng	#	0.00
86) Perylene-d12	15.516	264	391726	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.499	112	1031377	80.217	ng		0.00
7) Phenol-d6	6.510	99	1296674	77.483	ng		0.00
23) Nitrobenzene-d5	7.451	82	1184936	96.733	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	442578	110.979	ng		0.00
45) 2-Fluorobiphenyl	9.245	172	2257414	85.212	ng		0.00
79) Terphenyl-d14	12.992	244	2645443	87.300	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.687	88	224036	38.402	ng		94
3) Pyridine	3.452	79	553758	38.149	ng		94
4) n-Nitrosodimethylamine	3.405	42	267805	38.344	ng	#	95
6) Aniline	6.551	93	641254	36.857	ng		99
8) 2-Chlorophenol	6.669	128	553709	39.810	ng		98
9) Benzaldehyde	6.440	77	321005	32.976	ng		98
10) Phenol	6.522	94	685809	38.350	ng		94
11) bis(2-Chloroethyl)ether	6.622	93	498913	36.600	ng		95
12) 1,3-Dichlorobenzene	6.828	146	601225	40.364	ng		99
13) 1,4-Dichlorobenzene	6.904	146	610492	40.677	ng		100
14) 1,2-Dichlorobenzene	7.057	146	568639	40.575	ng		100
15) Benzyl Alcohol	7.022	79	523102	39.112	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.163	45	591614	28.578	ng		93
17) 2-Methylphenol	7.134	107	442917	38.580	ng		97
18) Hexachloroethane	7.398	117	226945	40.401	ng		97
19) n-Nitroso-di-n-propyla...	7.298	70	389005	35.361	ng		97
20) 3+4-Methylphenols	7.287	107	561800	39.298	ng	#	90
22) Acetophenone	7.298	105	768440	40.296	ng		96
24) Nitrobenzene	7.469	77	588671	44.877	ng		98
25) Isophorone	7.704	82	983654	37.378	ng		99
26) 2-Nitrophenol	7.781	139	297950	50.577	ng		97
27) 2,4-Dimethylphenol	7.816	122	390066	40.322	ng		97
28) bis(2-Chloroethoxy)met...	7.916	93	609152	36.287	ng		99
29) 2,4-Dichlorophenol	8.022	162	475142	42.576	ng		99
30) 1,2,4-Trichlorobenzene	8.110	180	519011	42.442	ng		99
31) Naphthalene	8.193	128	1645331	40.885	ng		100
32) Benzoic acid	7.934	122	382129	47.436	ng		99
33) 4-Chloroaniline	8.234	127	578275	39.191	ng		99
34) Hexachlorobutadiene	8.304	225	335125	44.100	ng		98
35) Caprolactam	8.610	113	146525	42.679	ng	#	85
36) 4-Chloro-3-methylphenol	8.710	107	530951	42.828	ng		99
37) 2-Methylnaphthalene	8.881	142	1066463	40.403	ng		100
38) 1-Methylnaphthalene	8.981	142	1032881	40.781	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	529113	43.129	ng		99
41) Hexachlorocyclopentadiene	9.034	237	222751	43.507	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	346714	43.751	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141882.D
Acq On : 07 Mar 2025 08:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Mar 07 09:59:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

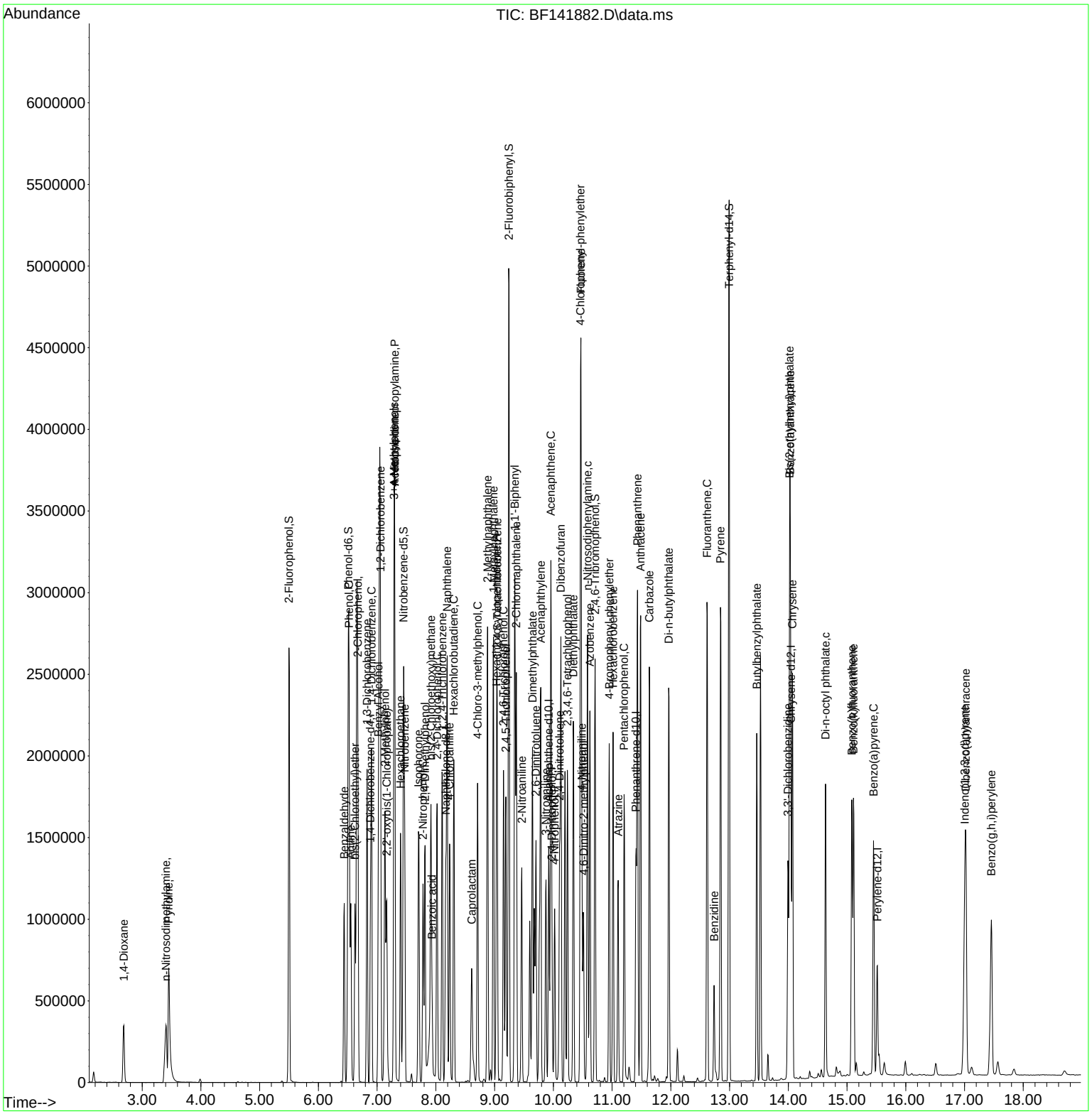
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	370446	47.207	ng		99
46) 1,1'-Biphenyl	9.345	154	1325077	40.983	ng		99
47) 2-Chloronaphthalene	9.369	162	995170	41.702	ng		100
48) 2-Nitroaniline	9.463	65	310512	47.578	ng		95
49) Acenaphthylene	9.787	152	1482184	41.425	ng		100
50) Dimethylphthalate	9.645	163	1195459	42.024	ng		100
51) 2,6-Dinitrotoluene	9.704	165	263902	48.466	ng		94
52) Acenaphthene	9.957	154	1065668	44.141	ng		98
53) 3-Nitroaniline	9.875	138	279903	48.270	ng	#	93
54) 2,4-Dinitrophenol	9.975	184	150349	64.789	ng	#	1
55) Dibenzofuran	10.128	168	1447705	41.199	ng		98
56) 4-Nitrophenol	10.022	139	233707	55.625	ng		95
57) 2,4-Dinitrotoluene	10.104	165	352174	52.617	ng		95
58) Fluorene	10.469	166	1131091	42.973	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	325495	47.692	ng		99
60) Diethylphthalate	10.339	149	1196331	41.951	ng		99
61) 4-Chlorophenyl-phenyle...	10.463	204	576098	43.684	ng		99
62) 4-Nitroaniline	10.486	138	278576	57.344	ng		95
63) Azobenzene	10.622	77	1132824	37.727	ng		98
65) 4,6-Dinitro-2-methylph...	10.516	198	203648	57.660	ng		88
66) n-Nitrosodiphenylamine	10.581	169	958807	40.261	ng		99
67) 4-Bromophenyl-phenylether	10.951	248	363416	42.900	ng		99
68) Hexachlorobenzene	11.016	284	405812	45.366	ng		97
69) Atrazine	11.104	200	225851	34.487	ng		99
70) Pentachlorophenol	11.204	266	283509	49.971	ng		100
71) Phenanthrene	11.433	178	1627067	41.941	ng		99
72) Anthracene	11.486	178	1625869	41.818	ng		99
73) Carbazole	11.633	167	1464842	42.664	ng		100
74) Di-n-butylphthalate	11.963	149	1777768	40.848	ng		100
75) Fluoranthene	12.616	202	1741431	43.809	ng		97
77) Benzidine	12.739	184	334863	54.265	ng		100
78) Pyrene	12.845	202	1750834	41.240	ng		100
80) Butylbenzylphthalate	13.463	149	675703	43.806	ng		97
81) Benzo(a)anthracene	14.033	228	1314838	40.602	ng		100
82) 3,3'-Dichlorobenzidine	13.992	252	389271	41.897	ng		99
83) Chrysene	14.069	228	1218583	40.821	ng		99
84) Bis(2-ethylhexyl)phtha...	14.022	149	866982	45.141	ng		99
85) Di-n-octyl phthalate	14.633	149	1171115	40.729	ng		96
87) Indeno(1,2,3-cd)pyrene	17.004	276	1076120	43.142	ng		94
88) Benzo(b)fluoranthene	15.080	252	1123711	42.113	ng		98
89) Benzo(k)fluoranthene	15.110	252	906957	39.990	ng		98
90) Benzo(a)pyrene	15.451	252	879490	41.098	ng		98
91) Dibenzo(a,h)anthracene	17.021	278	877994	43.122	ng	#	95
92) Benzo(g,h,i)perylene	17.457	276	902824	43.283	ng	#	95

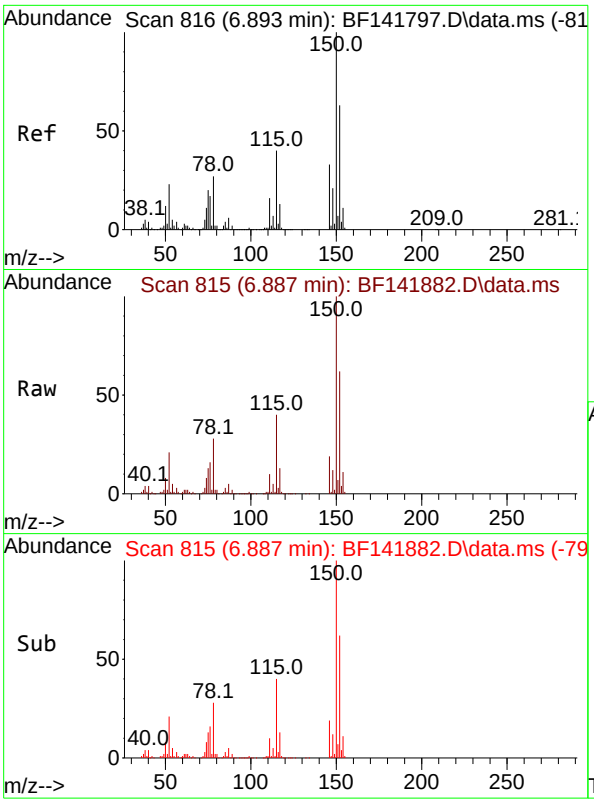
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141882.D
Acq On : 07 Mar 2025 08:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Mar 07 09:59:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration



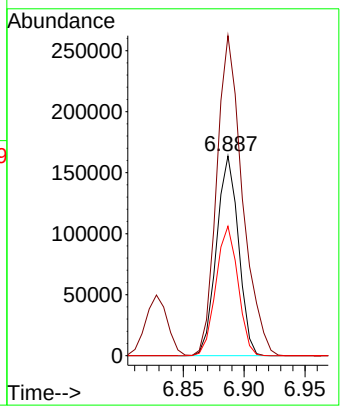


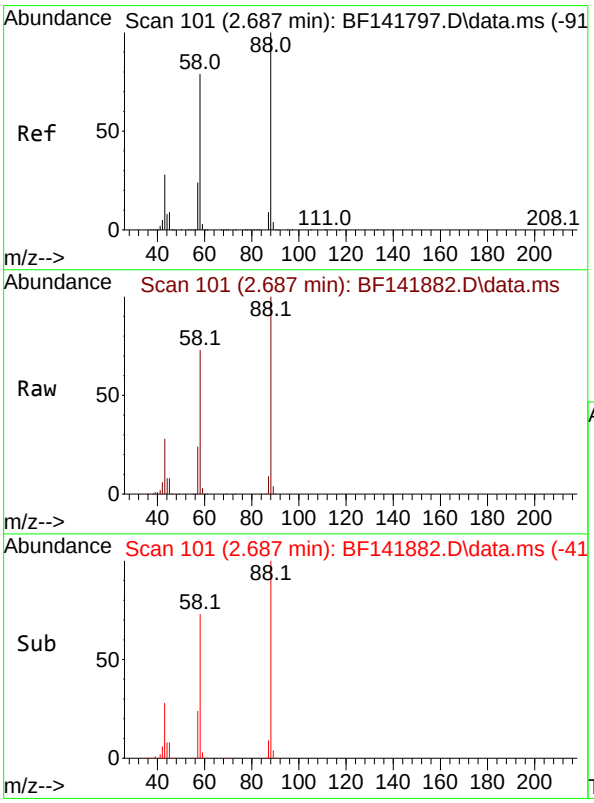
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 205331

Ion	Ratio	Lower	Upper
152	100		
150	160.3	127.5	191.3
115	64.9	51.4	77.2

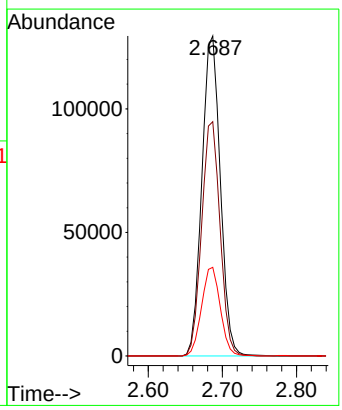


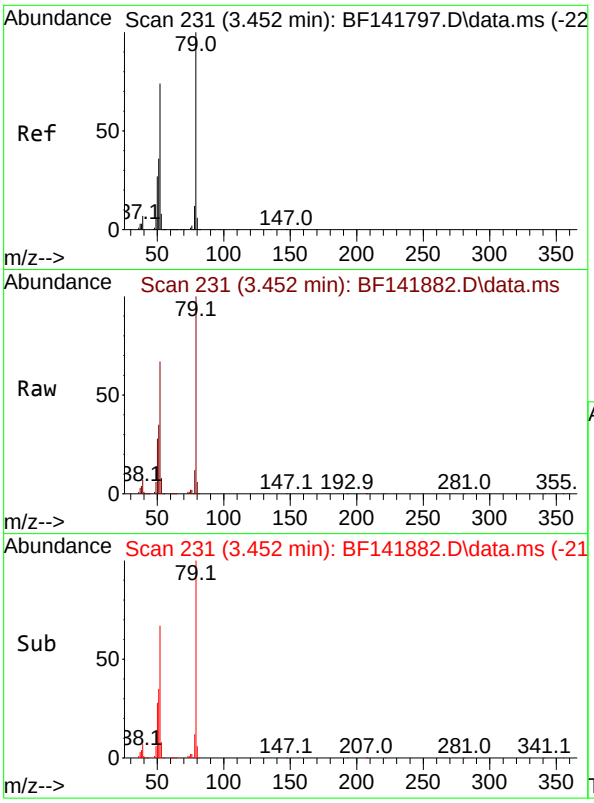


#2
1,4-Dioxane
Concen: 38.402 ng
RT: 2.687 min Scan# 101
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion: 88 Resp: 224036

Ion	Ratio	Lower	Upper
88	100		
58	73.0	63.9	95.9
43	28.2	23.0	34.6



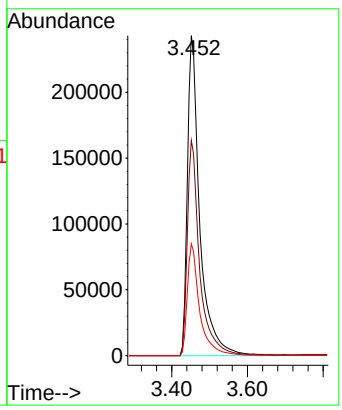


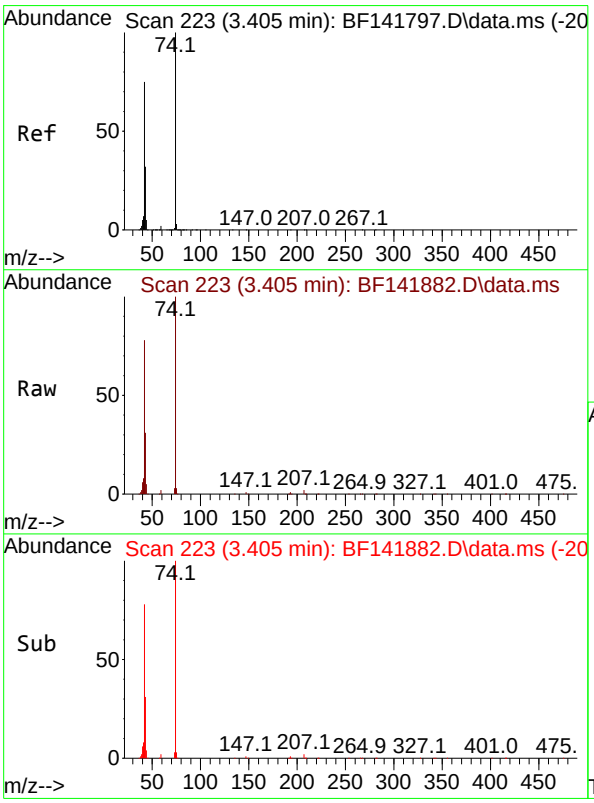
#3
Pyridine
Concen: 38.149 ng
RT: 3.452 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 553758

Ion	Ratio	Lower	Upper
79	100		
52	67.2	59.0	88.4
51	34.9	29.0	43.4

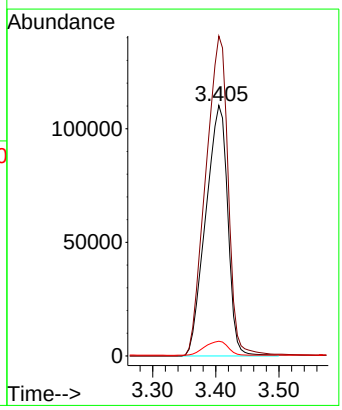


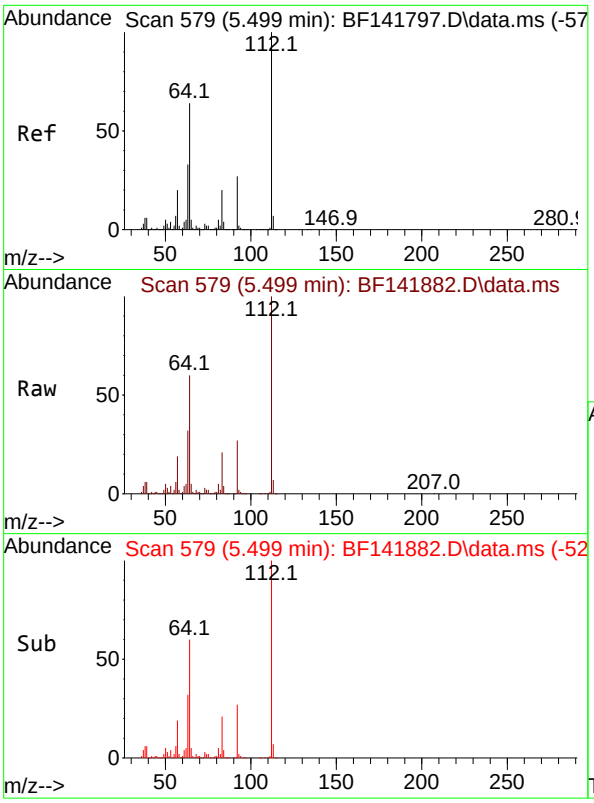


#4
n-Nitrosodimethylamine
Concen: 38.344 ng
RT: 3.405 min Scan# 223
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion: 42 Resp: 267805

Ion	Ratio	Lower	Upper
42	100		
74	127.7	107.1	160.7
44	5.9	6.6	9.8#



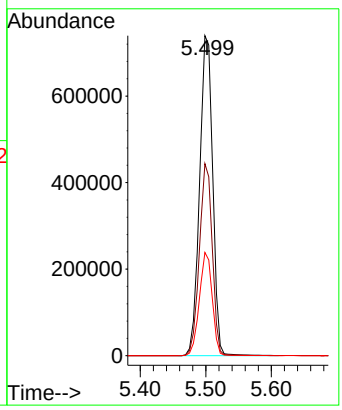


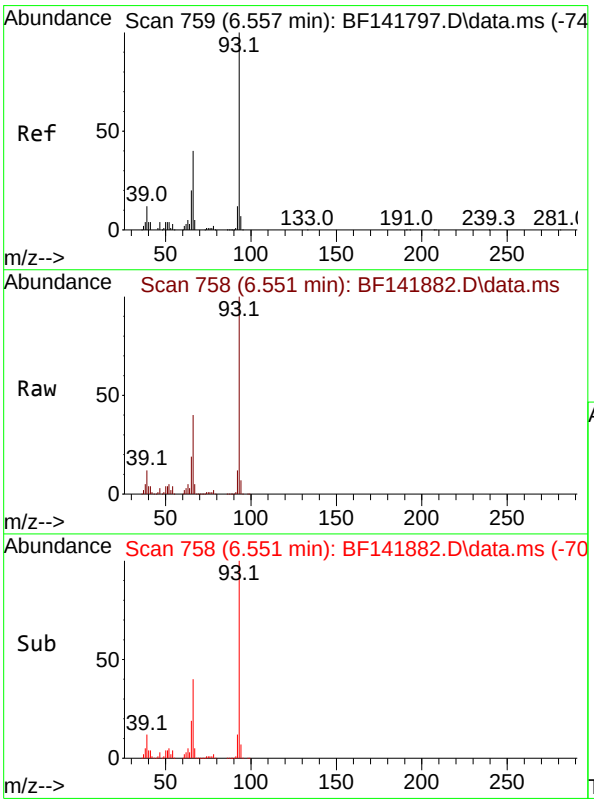
#5
2-Fluorophenol
Concen: 80.217 ng
RT: 5.499 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 1031377

Ion	Ratio	Lower	Upper
112	100		
64	60.0	51.3	76.9
63	32.2	26.2	39.4

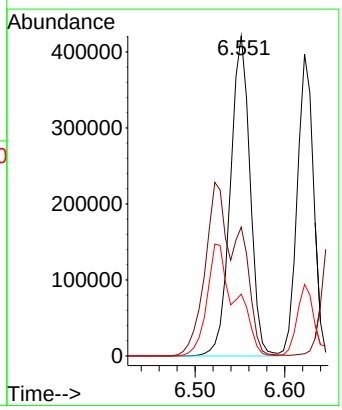


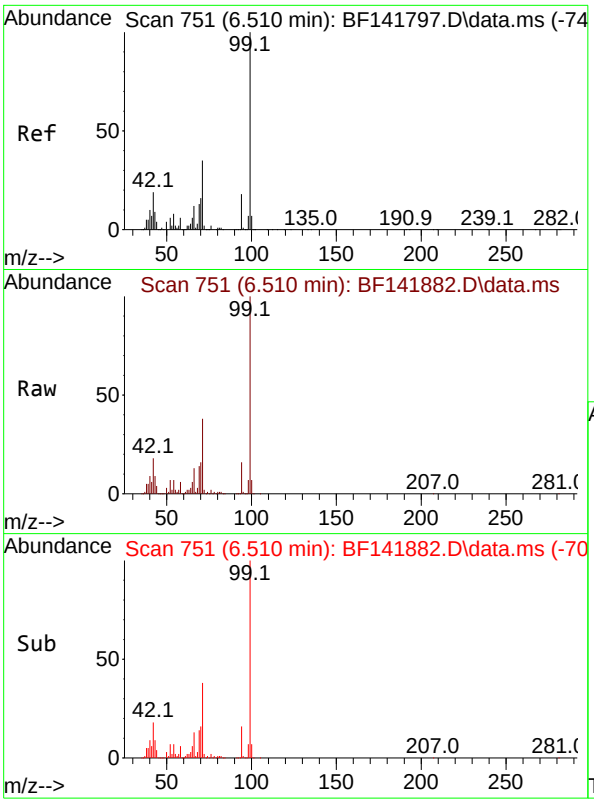


#6
Aniline
Concen: 36.857 ng
RT: 6.551 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion: 93 Resp: 641254

Ion	Ratio	Lower	Upper
93	100		
66	40.2	32.3	48.5
65	19.3	15.9	23.9



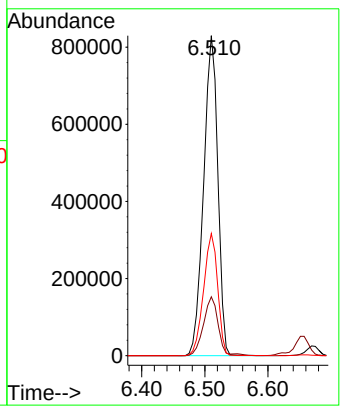


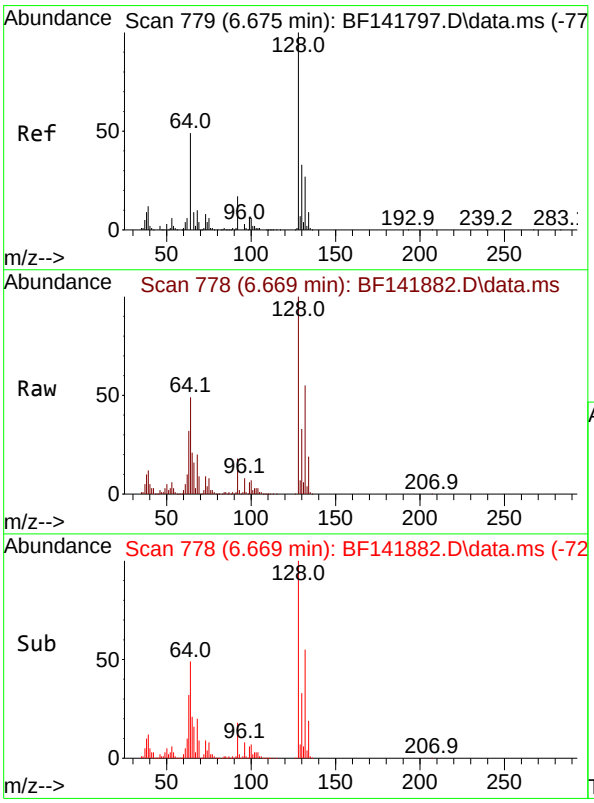
#7
Phenol-d6
Concen: 77.483 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 1296674

Ion	Ratio	Lower	Upper
99	100		
42	18.4	15.2	22.8
71	38.2	28.2	42.2

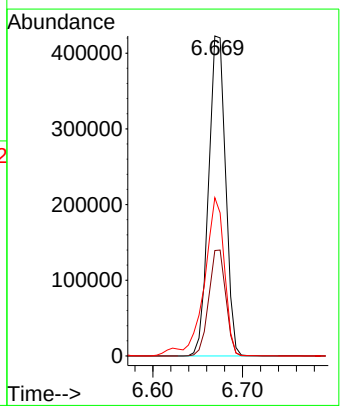


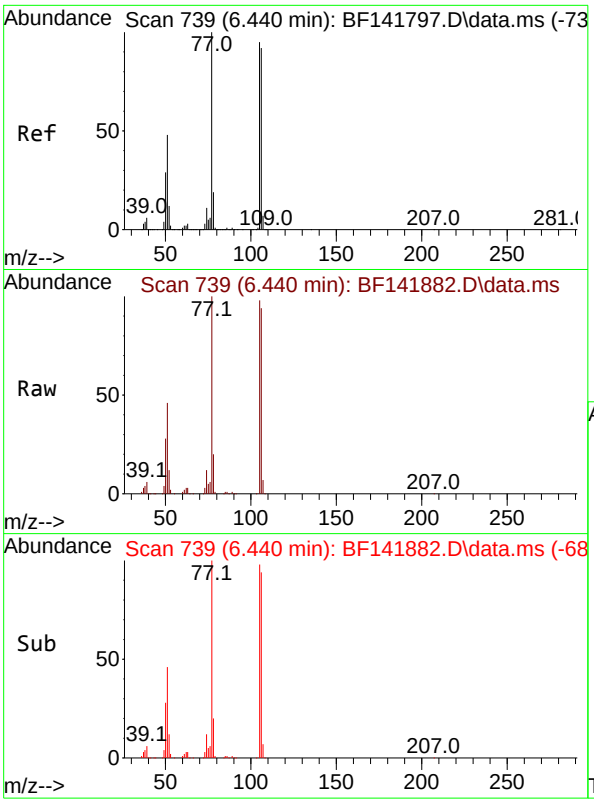


#8
2-Chlorophenol
Concen: 39.810 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:128 Resp: 553709

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.6	52.6
64	49.5	31.1	71.1



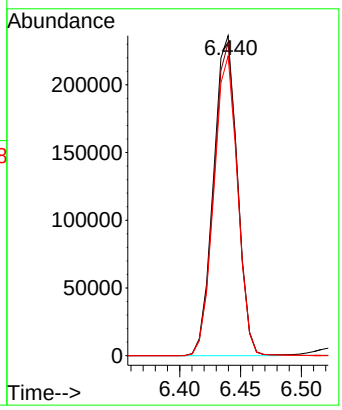


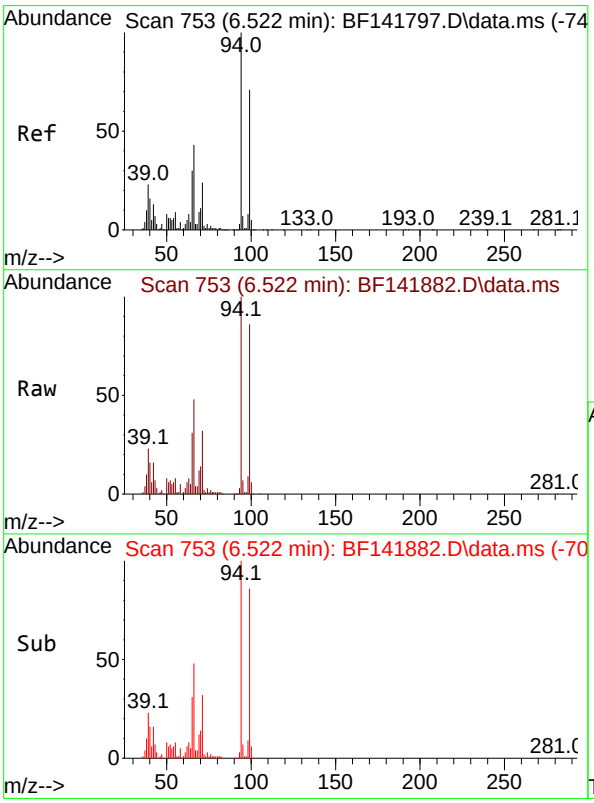
#9
Benzaldehyde
Concen: 32.976 ng
RT: 6.440 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 321005

Ion	Ratio	Lower	Upper
77	100		
105	97.8	75.3	115.3
106	93.6	72.3	112.3

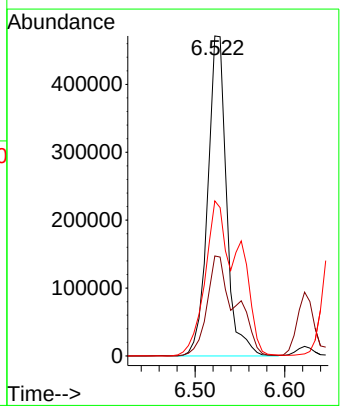


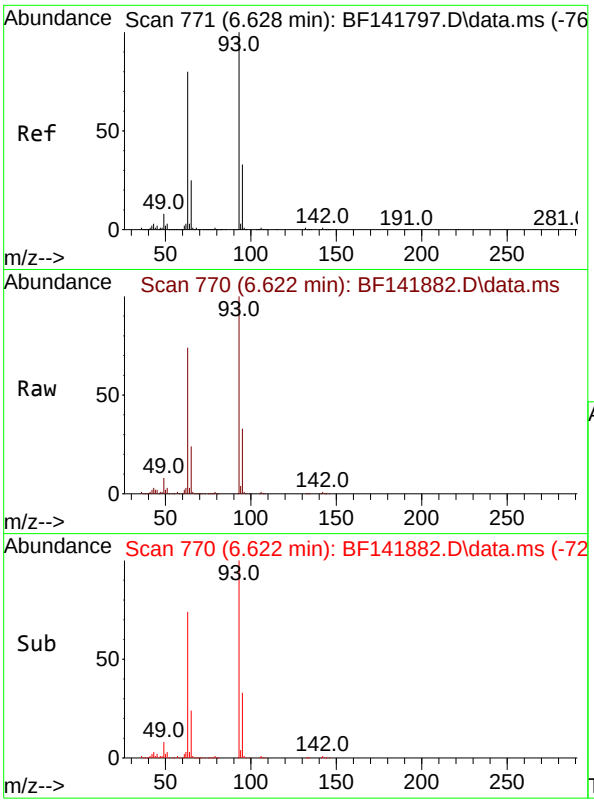


#10
Phenol
Concen: 38.350 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion: 94 Resp: 685809

Ion	Ratio	Lower	Upper
94	100		
65	31.2	10.2	50.2
66	48.5	23.2	63.2



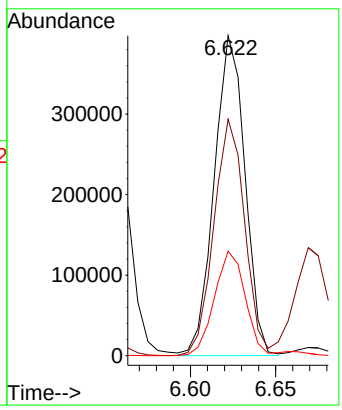


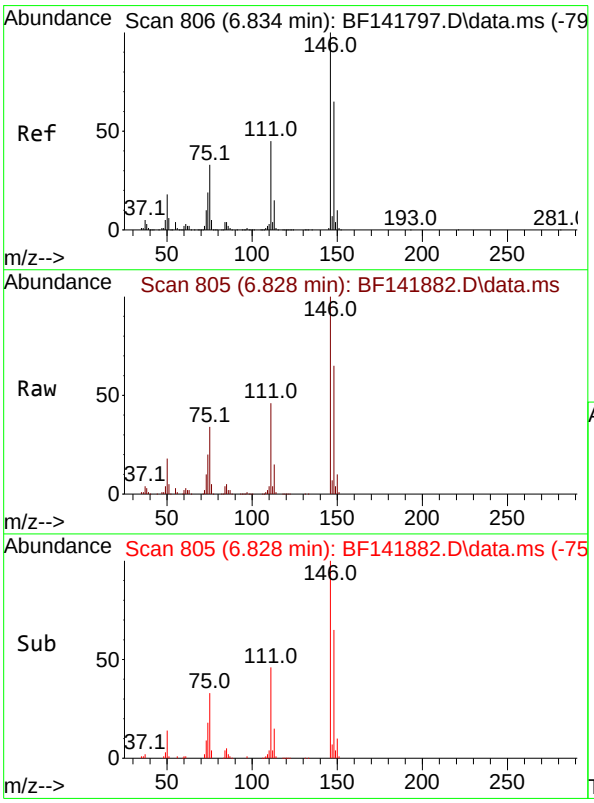
#11
bis(2-Chloroethyl)ether
Concen: 36.600 ng
RT: 6.622 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 498913

Ion	Ratio	Lower	Upper
93	100		
63	73.9	59.3	99.3
95	32.7	13.2	53.2

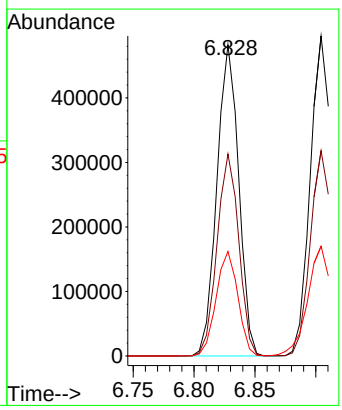


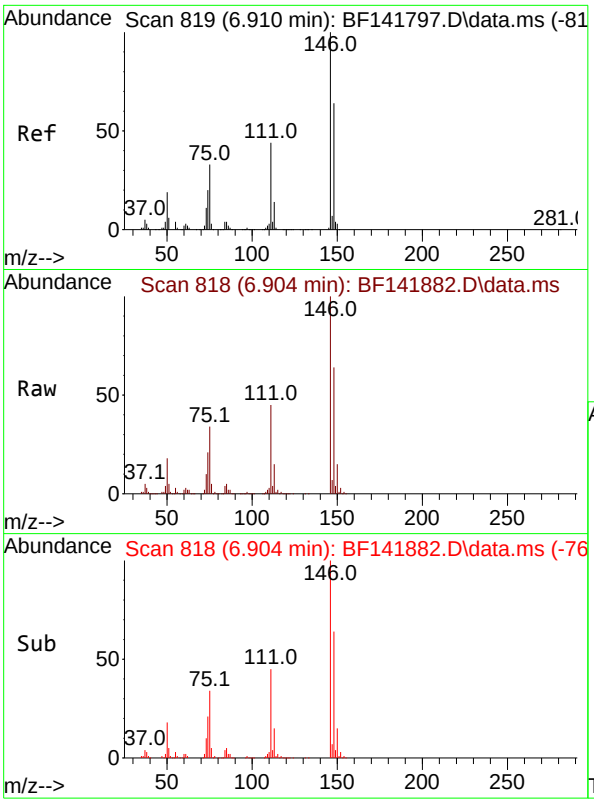


#12
1,3-Dichlorobenzene
Concen: 40.364 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:146 Resp: 601225

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.8	77.6
75	33.6	26.2	39.4



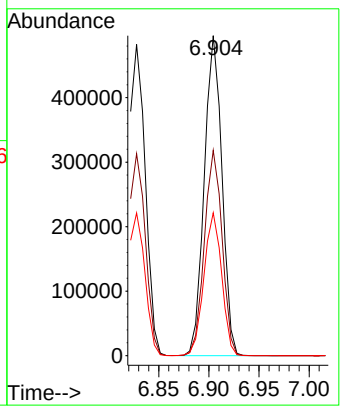


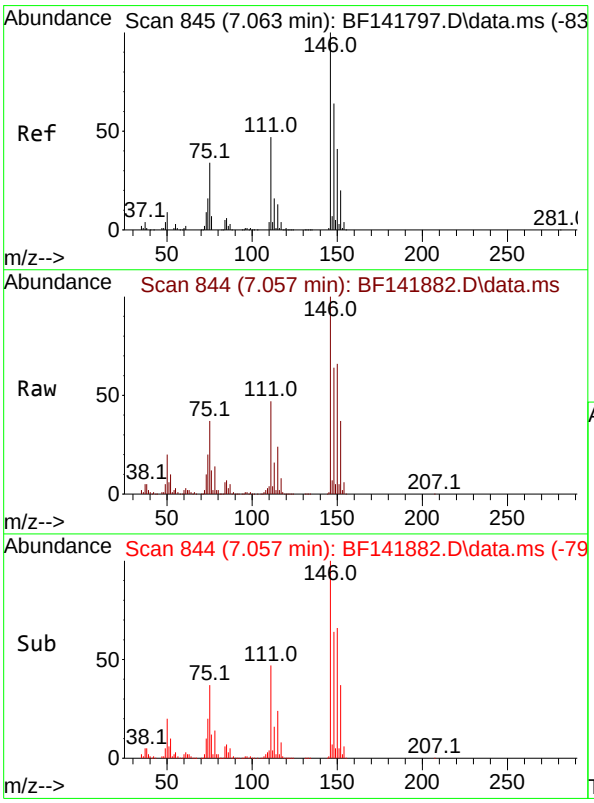
#13
1,4-Dichlorobenzene
Concen: 40.677 ng
RT: 6.904 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 610492

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.2
111	44.7	35.5	53.3

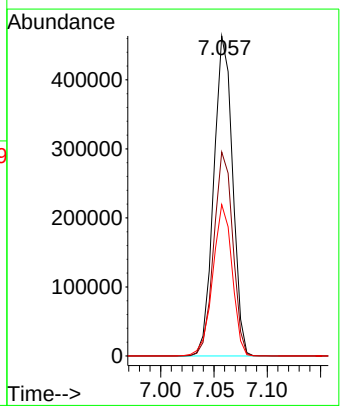


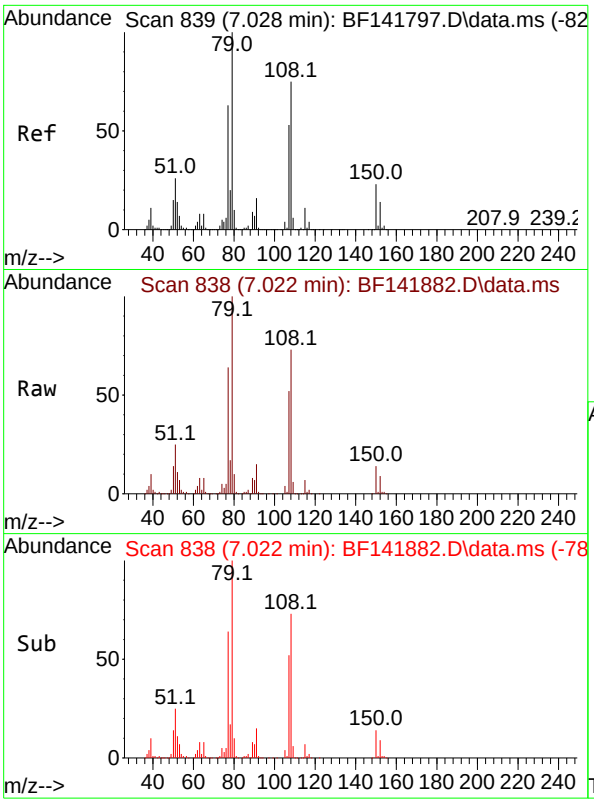


#14
1,2-Dichlorobenzene
Concen: 40.575 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:146 Resp: 568639

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.2	76.8
111	47.3	37.8	56.6



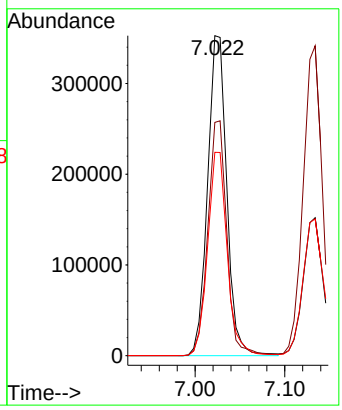


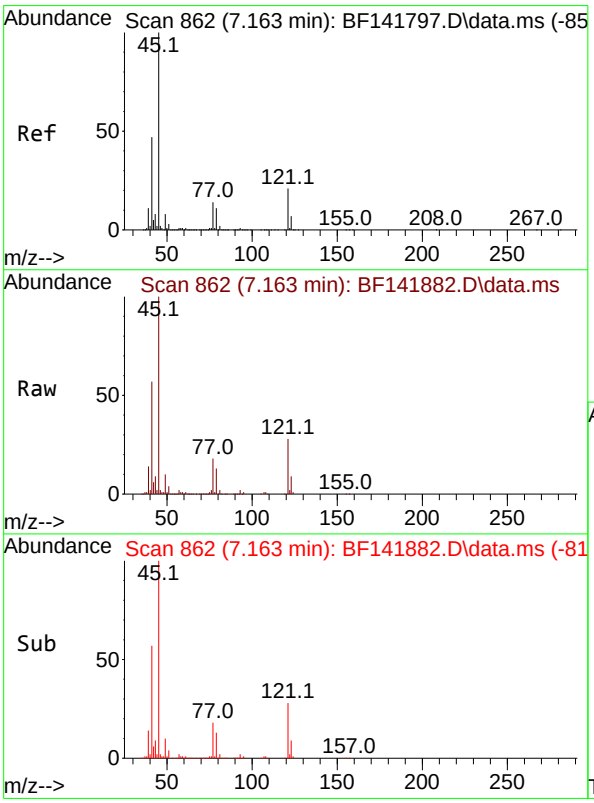
#15
Benzyl Alcohol
Concen: 39.112 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 523102

Ion	Ratio	Lower	Upper
79	100		
108	72.9	60.2	90.2
77	63.5	50.2	75.2

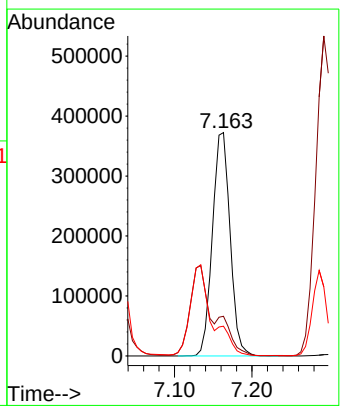


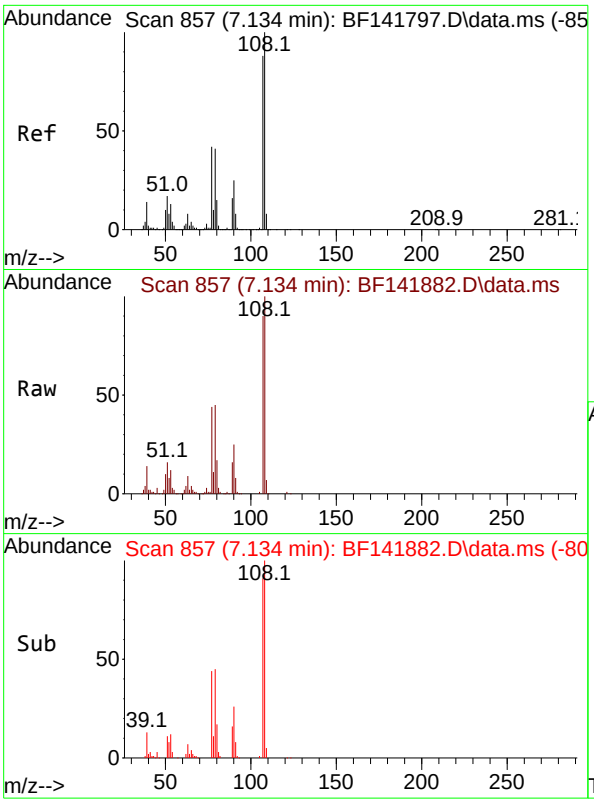


#16
2,2'-oxybis(1-Chloropropane)
Concen: 28.578 ng
RT: 7.163 min Scan# 862
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion: 45 Resp: 591614

Ion	Ratio	Lower	Upper
45	100		
77	17.8	0.0	34.4
79	13.3	0.0	30.9



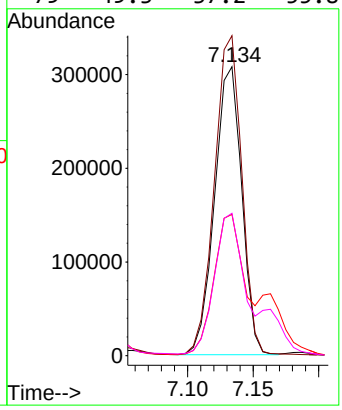


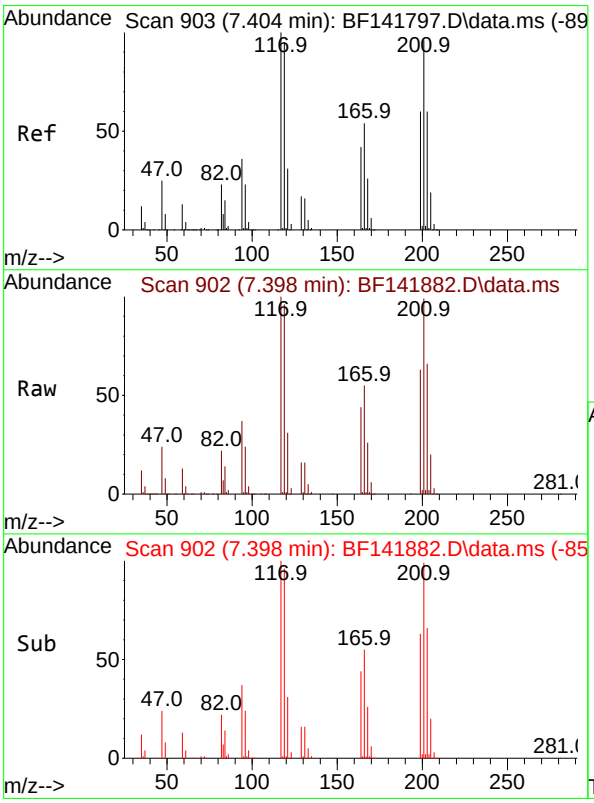
#17
2-Methylphenol
Concen: 38.580 ng
RT: 7.134 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 442917

Ion	Ratio	Lower	Upper
107	100		
108	110.7	90.6	135.8
77	48.9	37.7	56.5
79	49.3	37.2	55.8

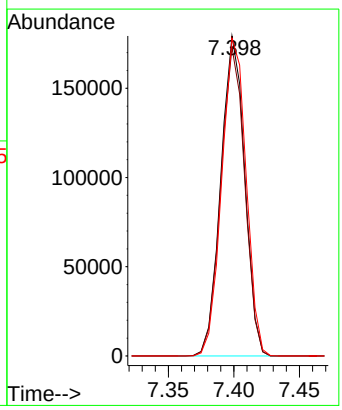


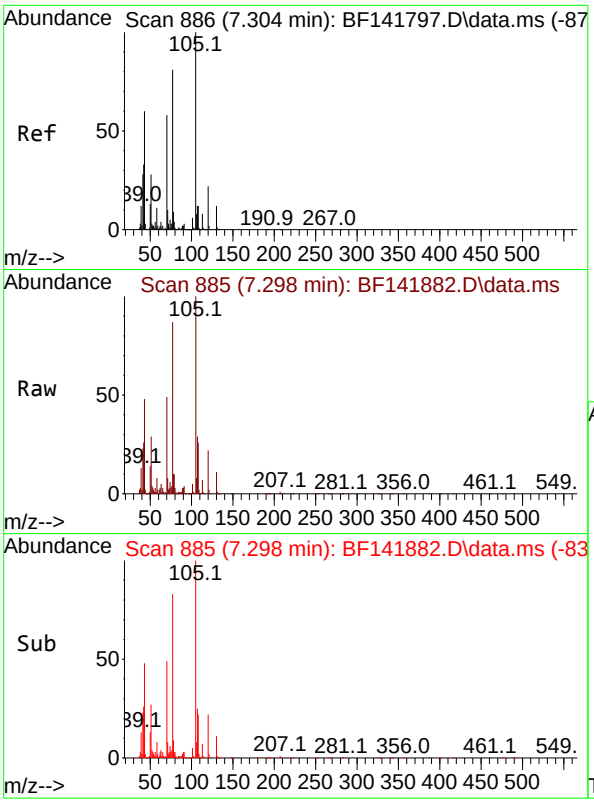


#18
Hexachloroethane
Concen: 40.401 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:117 Resp: 226945

Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.8	113.8
201	99.3	76.7	115.1



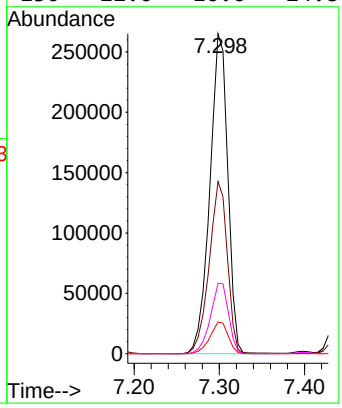


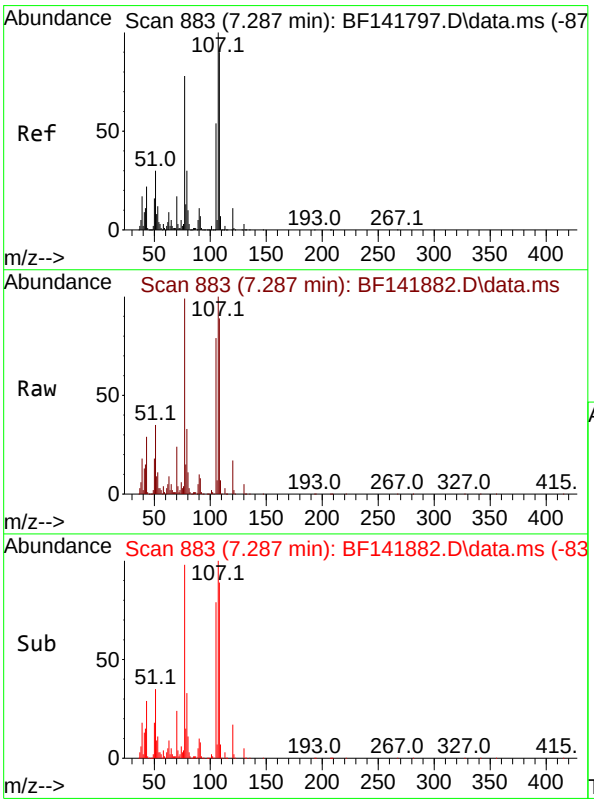
#19
n-Nitroso-di-n-propylamine
Concen: 35.361 ng
RT: 7.298 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 389005

Ion	Ratio	Lower	Upper
70	100		
42	53.8	45.4	68.0
101	9.9	7.8	11.8
130	22.0	16.6	24.8

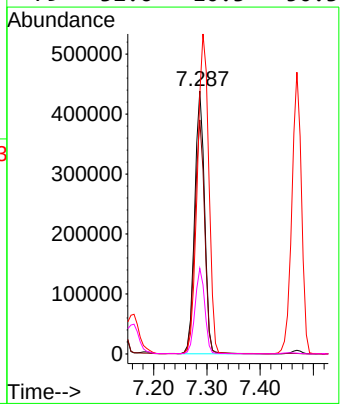


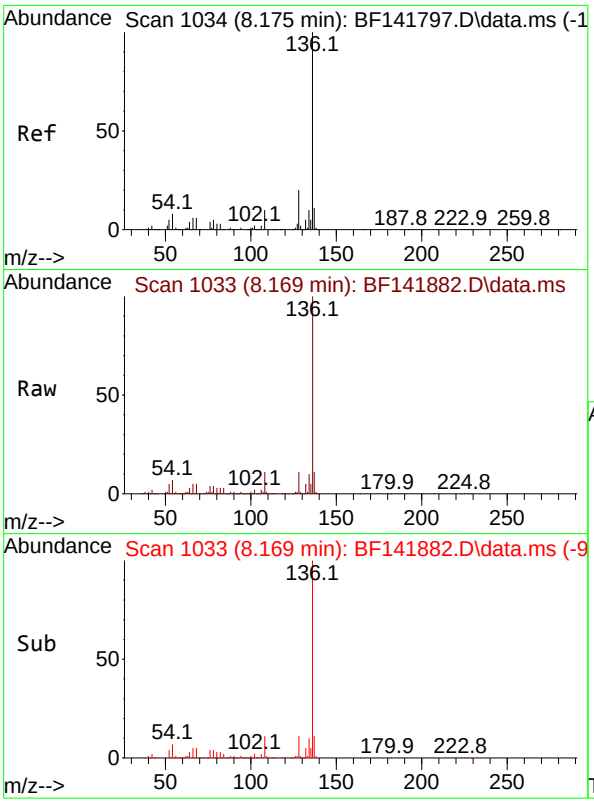


#20
3+4-Methylphenols
Concen: 39.298 ng
RT: 7.287 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:107 Resp: 561800

Ion	Ratio	Lower	Upper
107	100		
108	89.0	69.7	109.7
77	98.5	58.3	98.3#
79	32.6	10.3	50.3



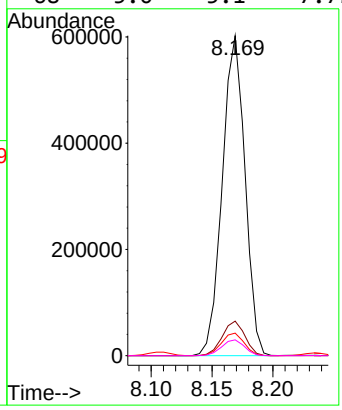


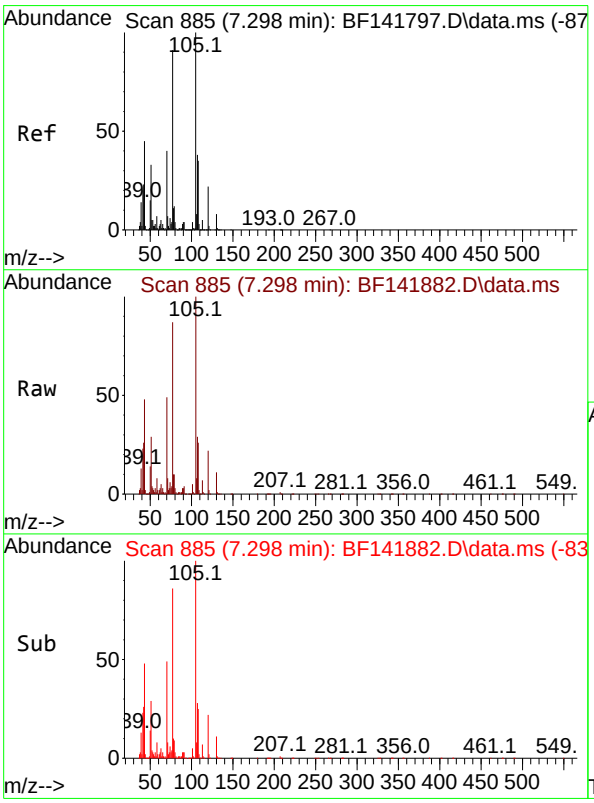
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 782990

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.0	6.9	10.3
68	5.0	5.1	7.7#

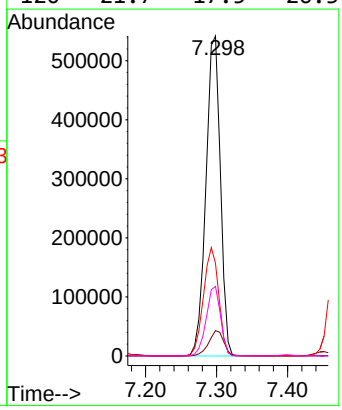


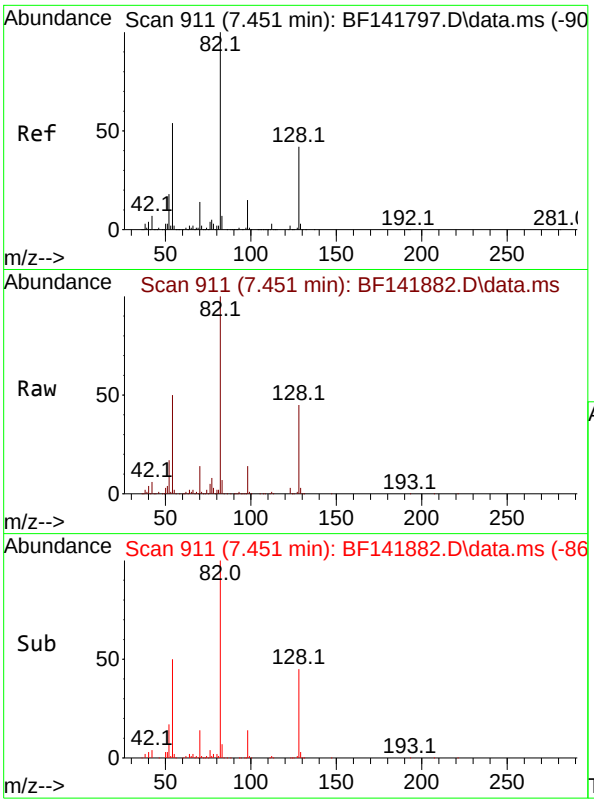


#22
Acetophenone
Concen: 40.296 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:105 Resp: 768440

Ion	Ratio	Lower	Upper
105	100		
71	7.9	5.4	8.0
51	29.0	26.1	39.1
120	21.7	17.5	26.3



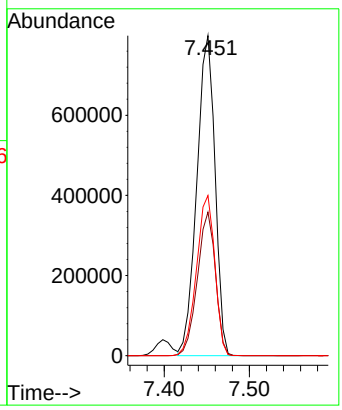


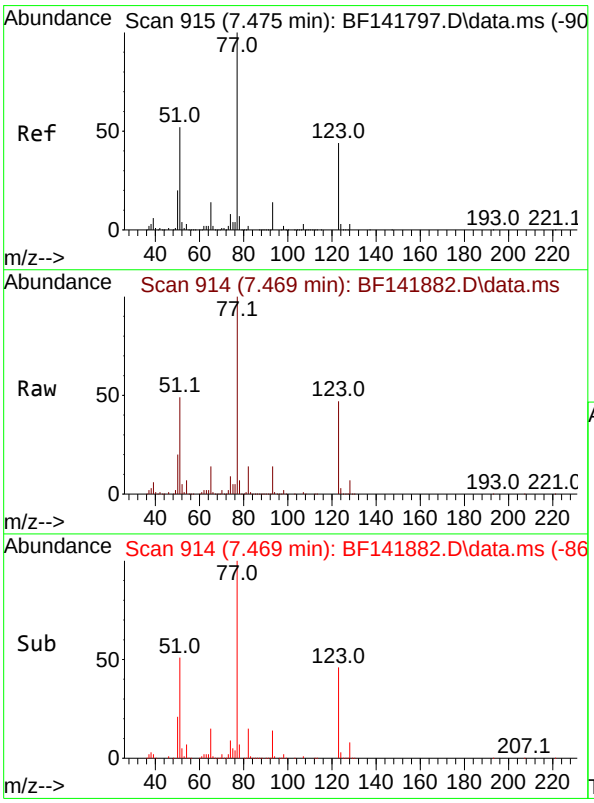
#23
Nitrobenzene-d5
Concen: 96.733 ng
RT: 7.451 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1184936

Ion	Ratio	Lower	Upper
82	100		
128	44.9	33.5	50.3
54	50.0	42.7	64.1

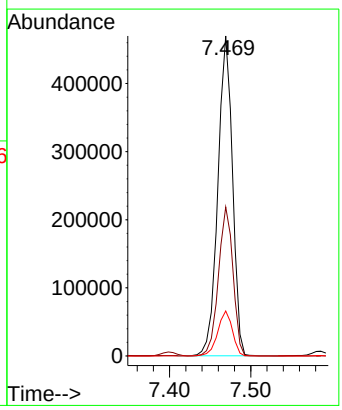


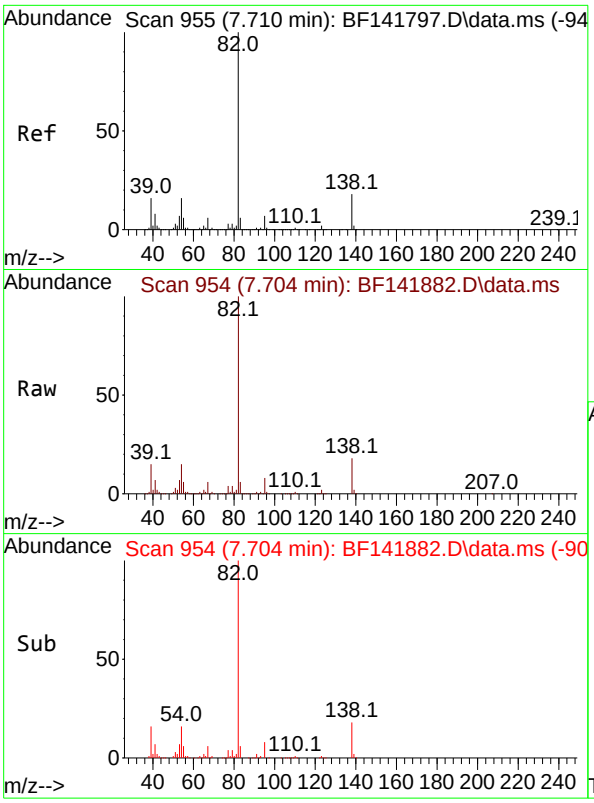


#24
Nitrobenzene
Concen: 44.877 ng
RT: 7.469 min Scan# 914
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion: 77 Resp: 588671

Ion	Ratio	Lower	Upper
77	100		
123	46.6	35.8	53.8
65	14.1	11.2	16.8



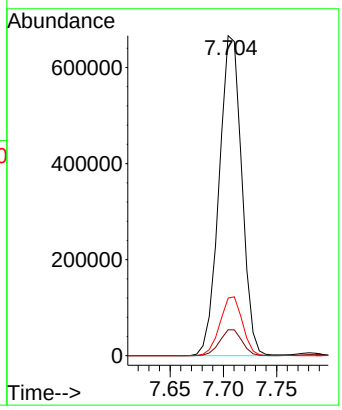


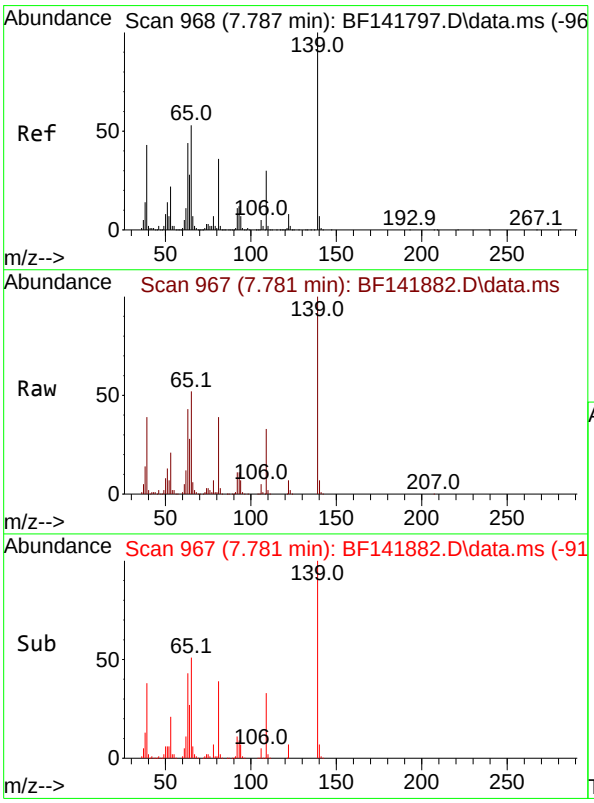
#25
Isophorone
Concen: 37.378 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 983654

Ion	Ratio	Lower	Upper
82	100		
95	8.1	5.8	8.8
138	18.0	14.0	21.0

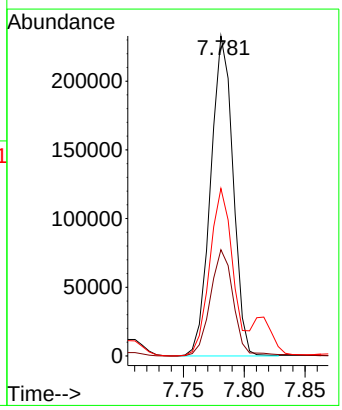


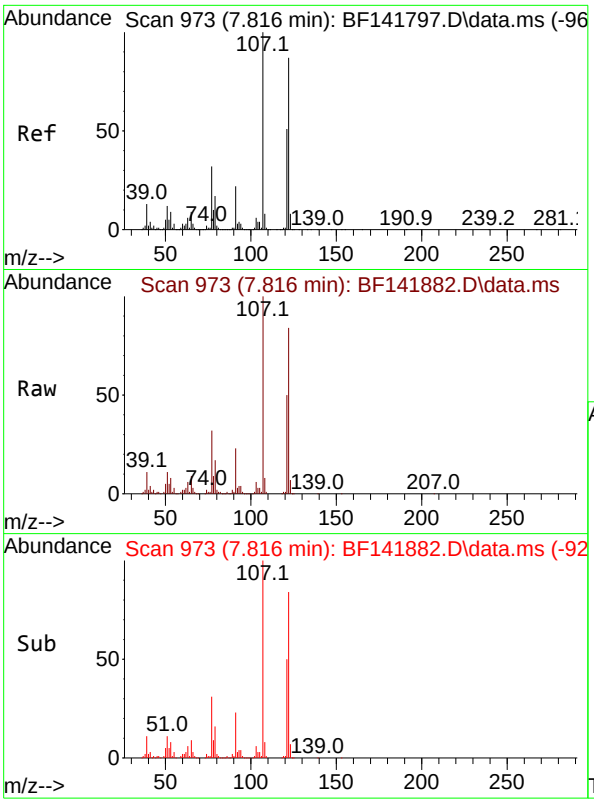


#26
2-Nitrophenol
Concen: 50.577 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:139 Resp: 297950

Ion	Ratio	Lower	Upper
139	100		
109	33.2	24.1	36.1
65	52.4	42.3	63.5



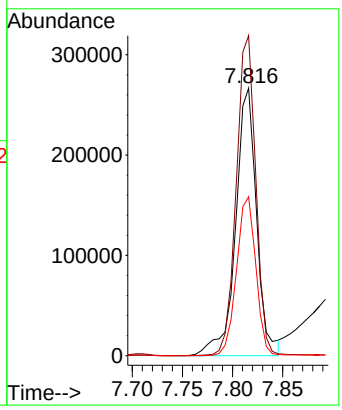


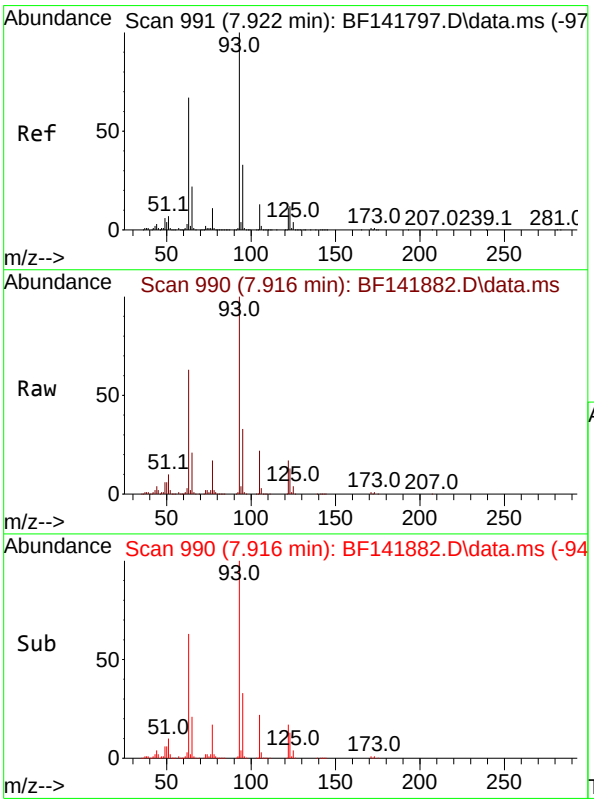
#27
2,4-Dimethylphenol
Concen: 40.322 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 390066

Ion	Ratio	Lower	Upper
122	100		
107	119.6	92.5	138.7
121	59.4	47.1	70.7

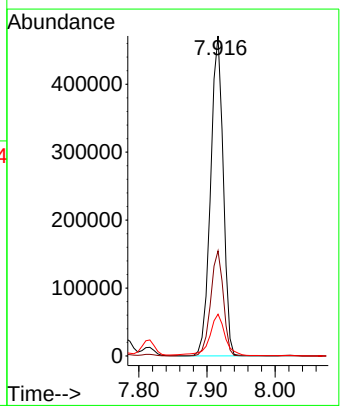


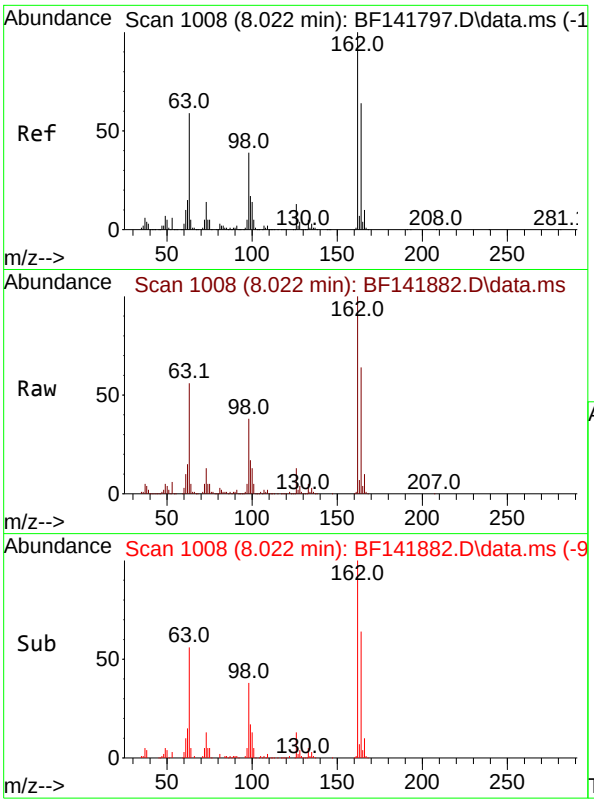


#28
bis(2-Chloroethoxy)methane
Concen: 36.287 ng
RT: 7.916 min Scan# 990
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion: 93 Resp: 609152

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.5	39.7
123	13.0	10.0	15.0



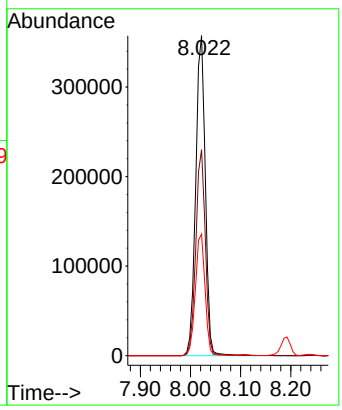


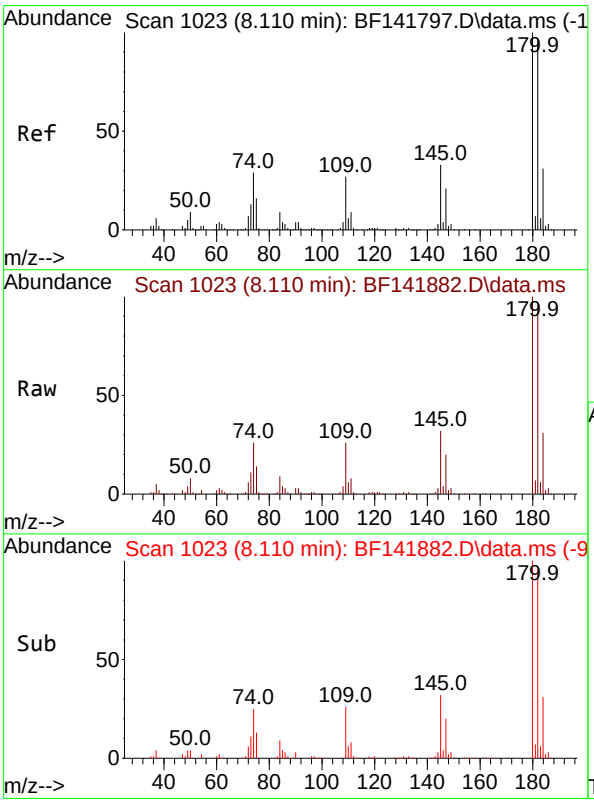
#29
2,4-Dichlorophenol
Concen: 42.576 ng
RT: 8.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 475142

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.3	84.3
98	38.0	19.6	59.6

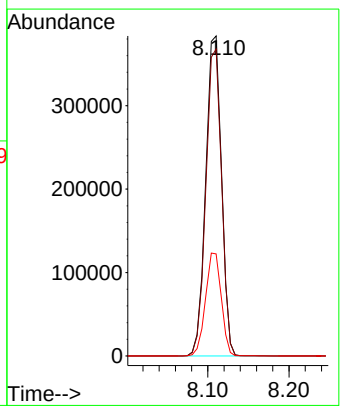


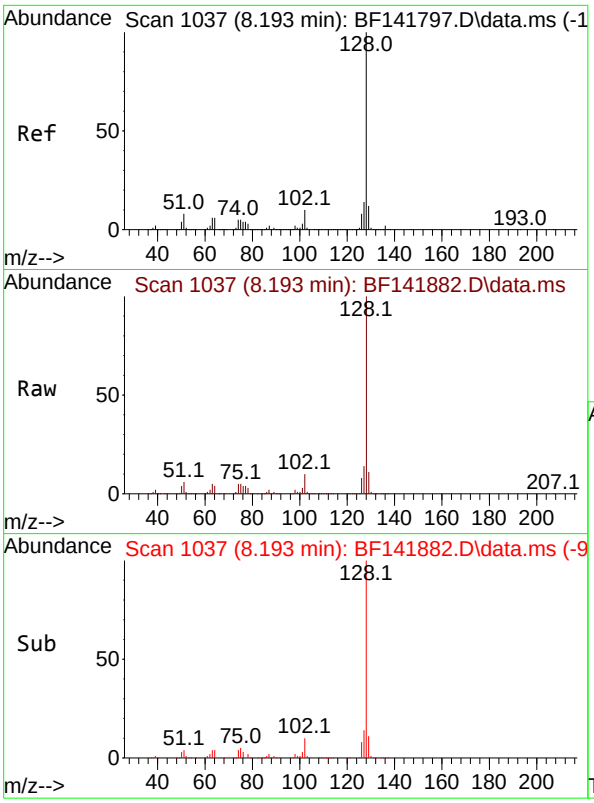


#30
1,2,4-Trichlorobenzene
Concen: 42.442 ng
RT: 8.110 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:180 Resp: 519011

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.8	115.2
145	31.9	26.4	39.6



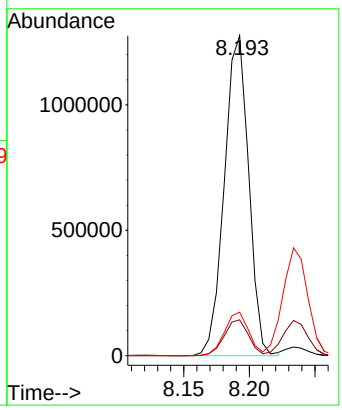


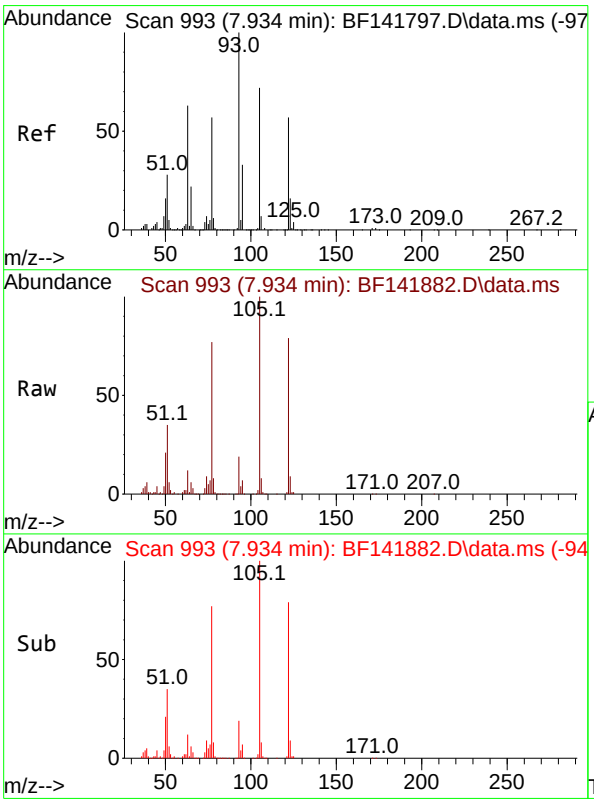
#31
Naphthalene
Concen: 40.885 ng
RT: 8.193 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 1645331

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.2	13.8
127	13.6	11.0	16.4

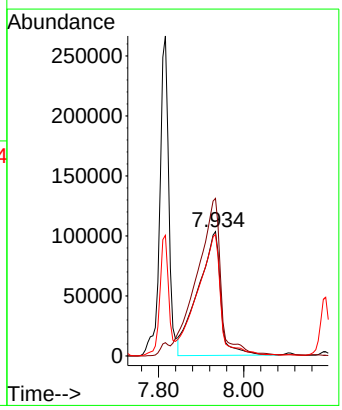


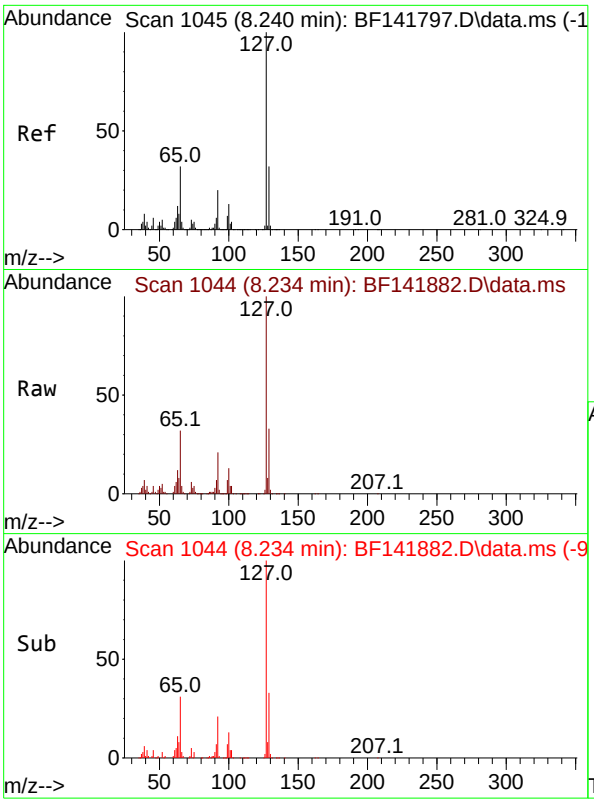


#32
Benzoic acid
Concen: 47.436 ng
RT: 7.934 min Scan# 993
Delta R.T. -0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:122 Resp: 382129

Ion	Ratio	Lower	Upper
122	100		
105	126.7	105.8	145.8
77	97.7	79.9	119.9



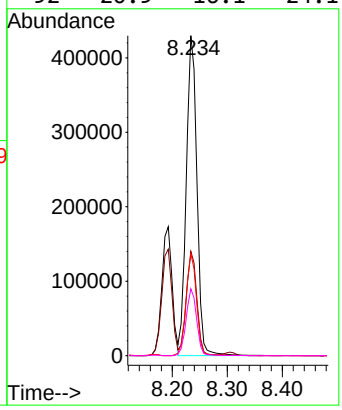


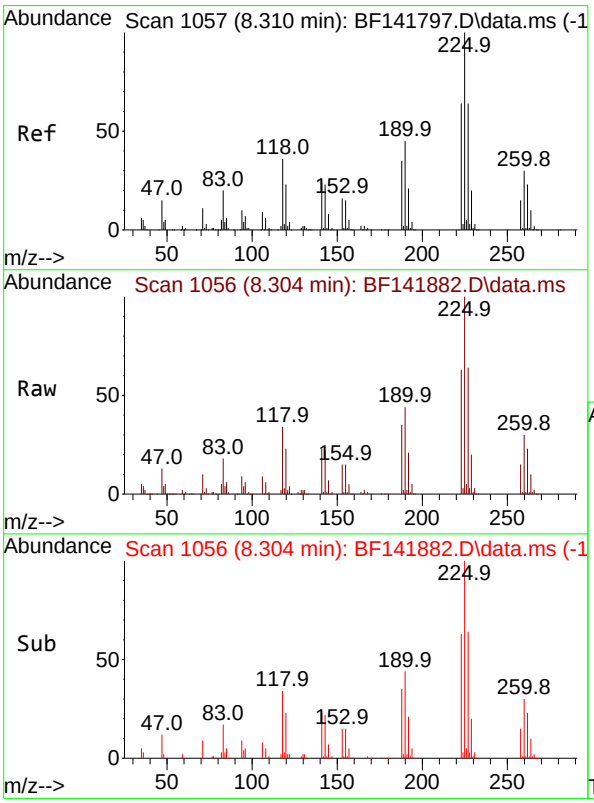
#33
4-Chloroaniline
Concen: 39.191 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 578275

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	31.9	25.7	38.5
92	20.9	16.1	24.1

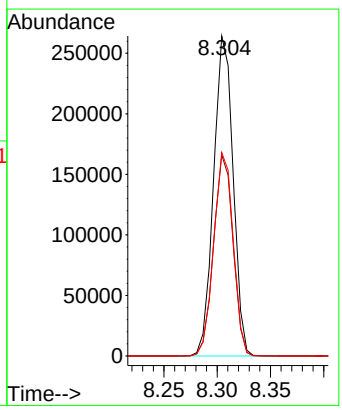


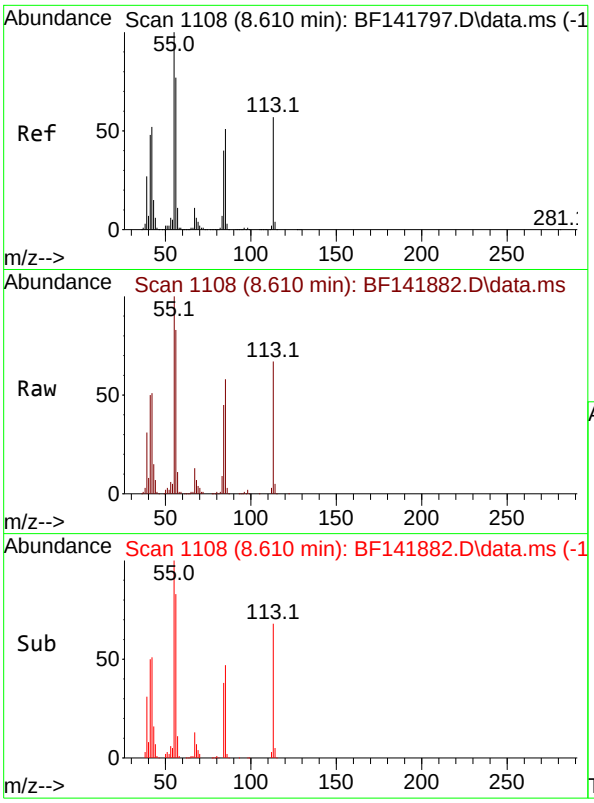


#34
Hexachlorobutadiene
Concen: 44.100 ng
RT: 8.304 min Scan# 1056
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:225 Resp: 335125

Ion	Ratio	Lower	Upper
225	100		
223	62.8	51.4	77.2
227	63.6	51.6	77.4



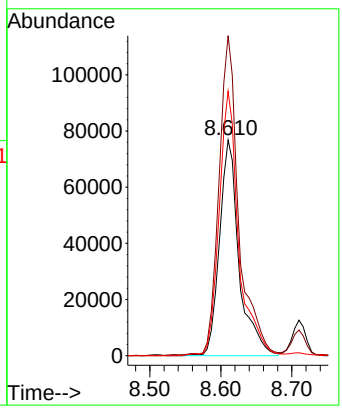


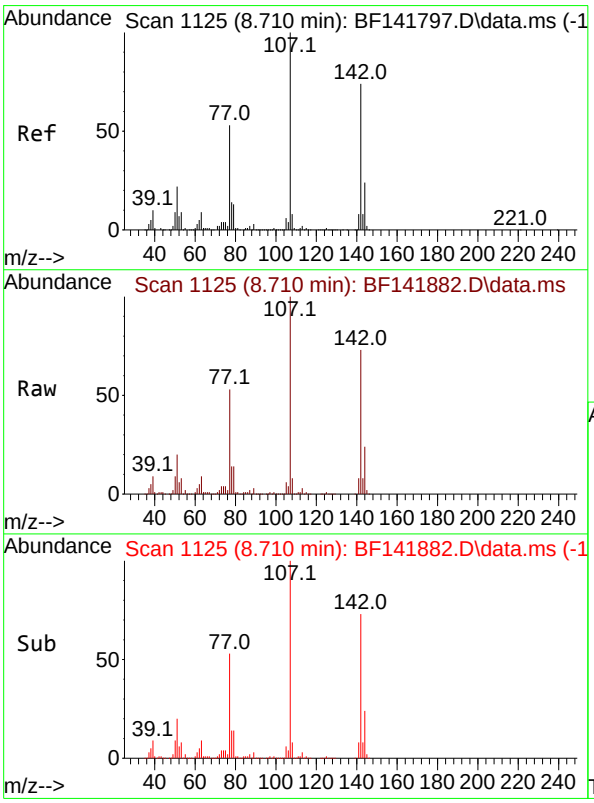
#35
Caprolactam
Concen: 42.679 ng
RT: 8.610 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 146525

Ion	Ratio	Lower	Upper
113	100		
55	148.3	155.6	195.6#
56	122.6	114.6	154.6

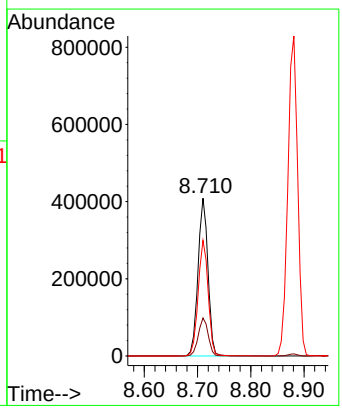


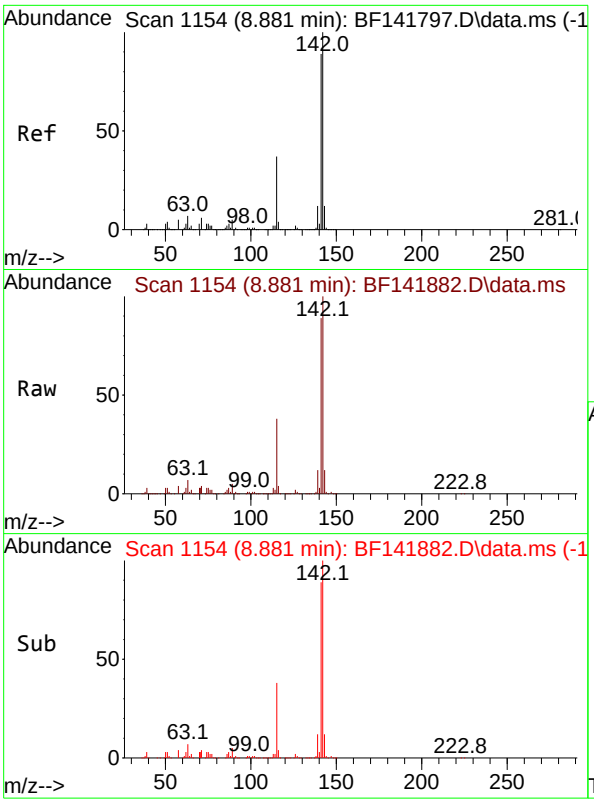


#36
4-Chloro-3-methylphenol
Concen: 42.828 ng
RT: 8.710 min Scan# 1125
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:107 Resp: 530951

Ion	Ratio	Lower	Upper
107	100		
144	24.0	19.4	29.0
142	73.2	59.4	89.0



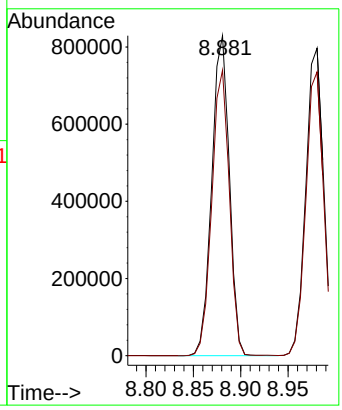


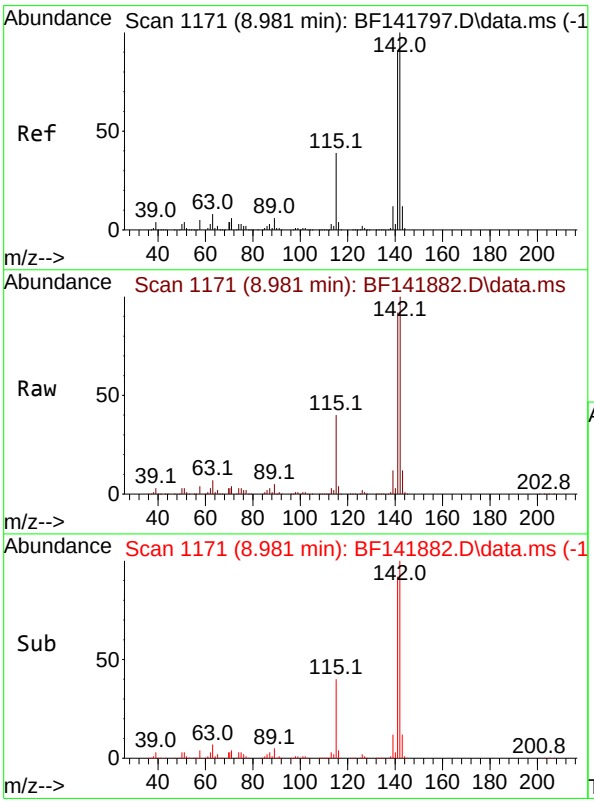
#37
2-Methylnaphthalene
Concen: 40.403 ng
RT: 8.881 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 1066463

Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.1	106.7

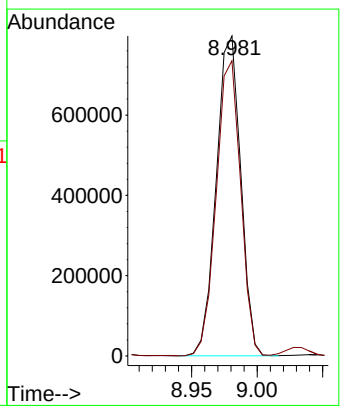


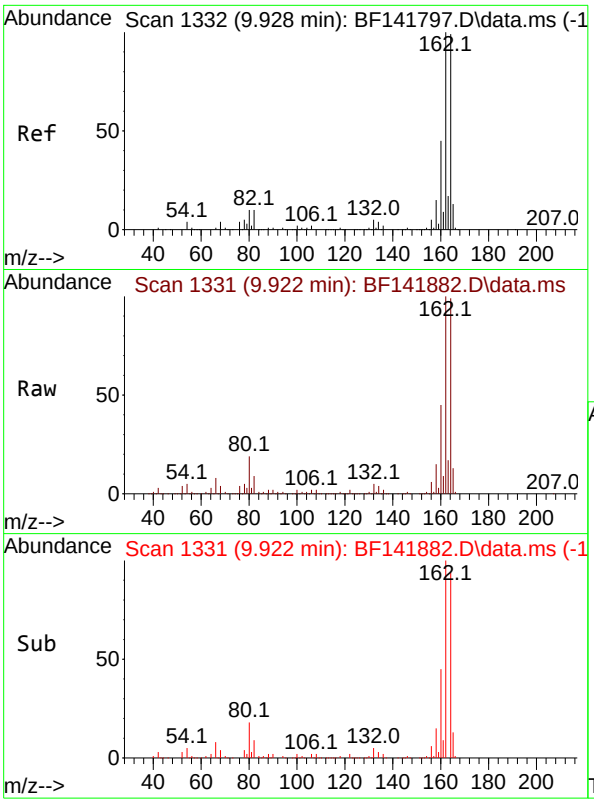


#38
1-Methylnaphthalene
Concen: 40.781 ng
RT: 8.981 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:142 Resp: 1032881

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.1	109.7



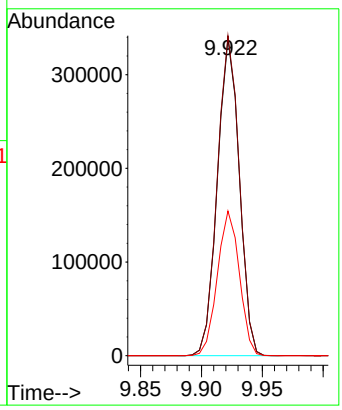


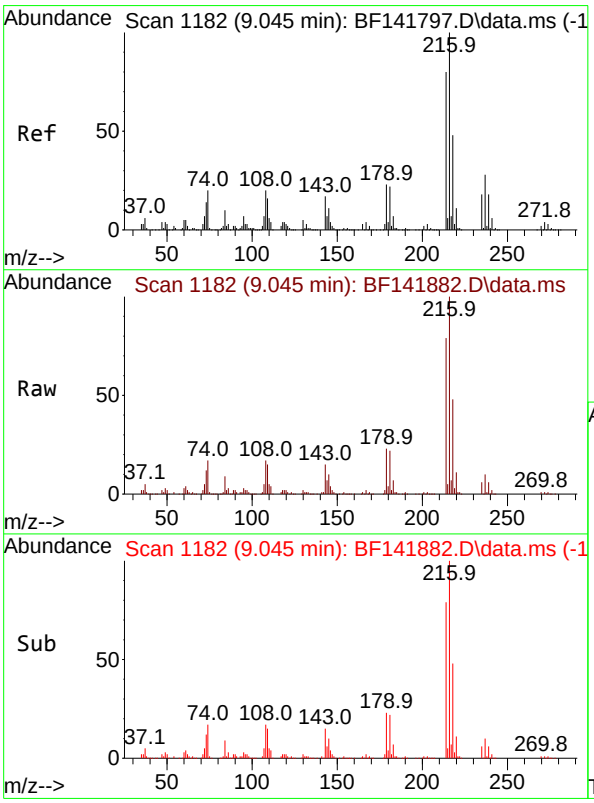
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 424782

Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.6	120.8
160	45.6	36.3	54.5

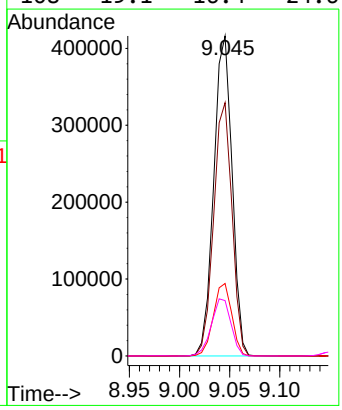


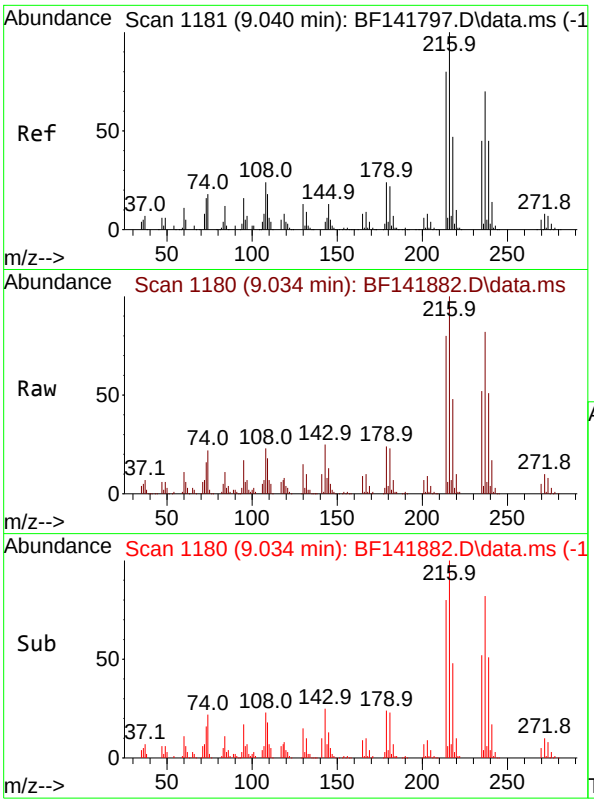


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.129 ng
RT: 9.045 min Scan# 1182
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:216 Resp: 529113

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.5	95.3
179	22.8	18.1	27.1
108	19.1	16.4	24.6



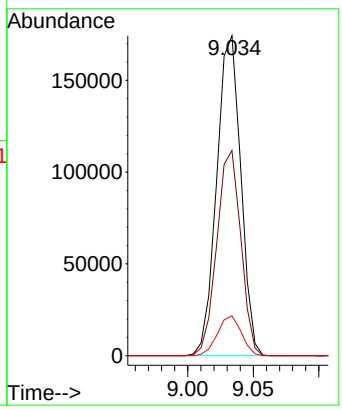


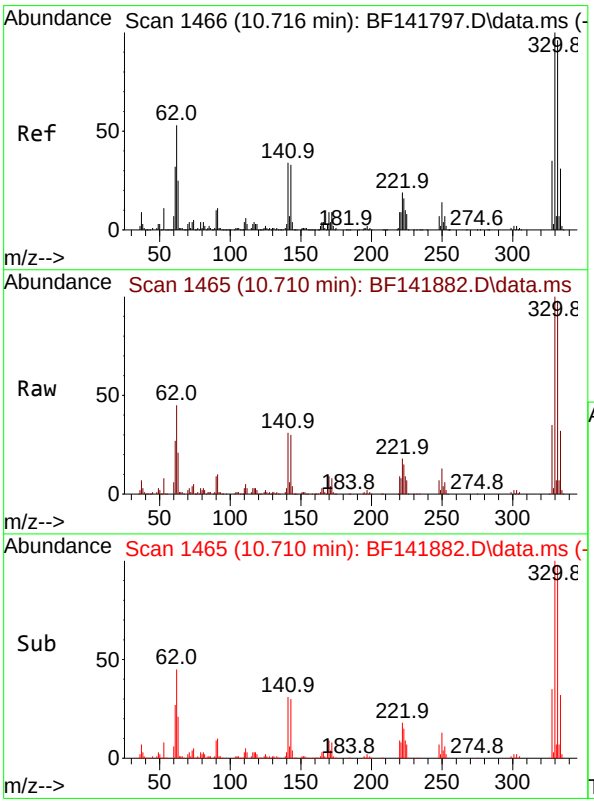
#41
Hexachlorocyclopentadiene
Concen: 43.507 ng
RT: 9.034 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 222751

Ion	Ratio	Lower	Upper
237	100		
235	64.1	43.3	83.3
272	12.4	0.0	31.9

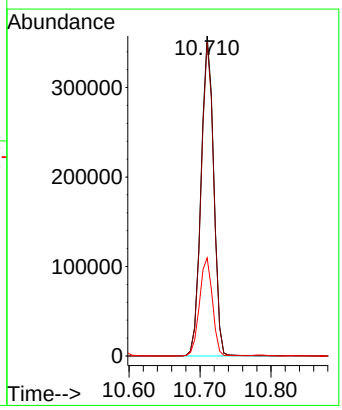


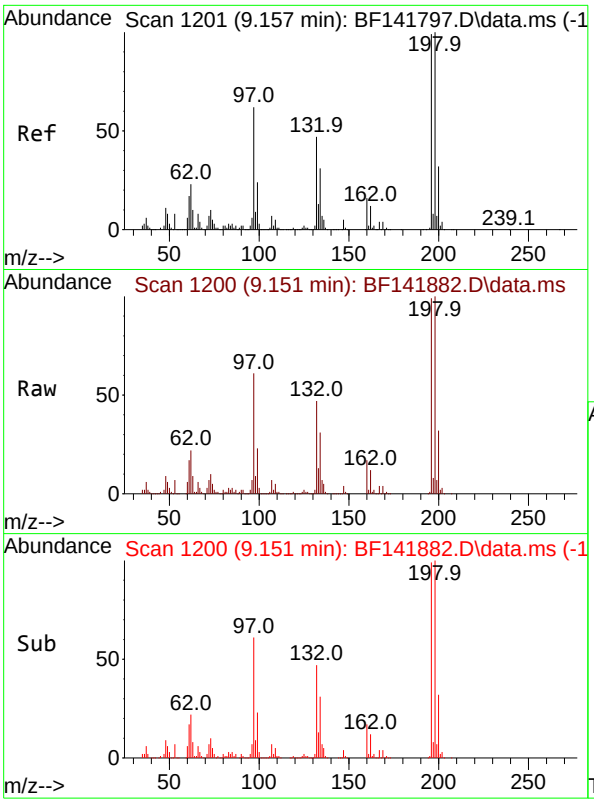


#42
2,4,6-Tribromophenol
Concen: 110.979 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:330 Resp: 442578

Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.6	115.0
141	31.4	29.0	43.4



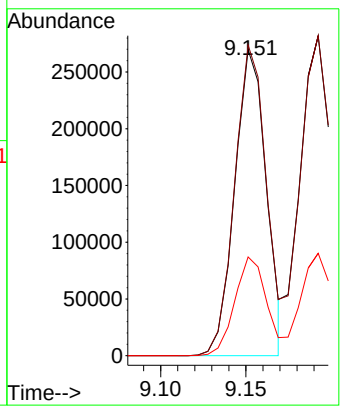


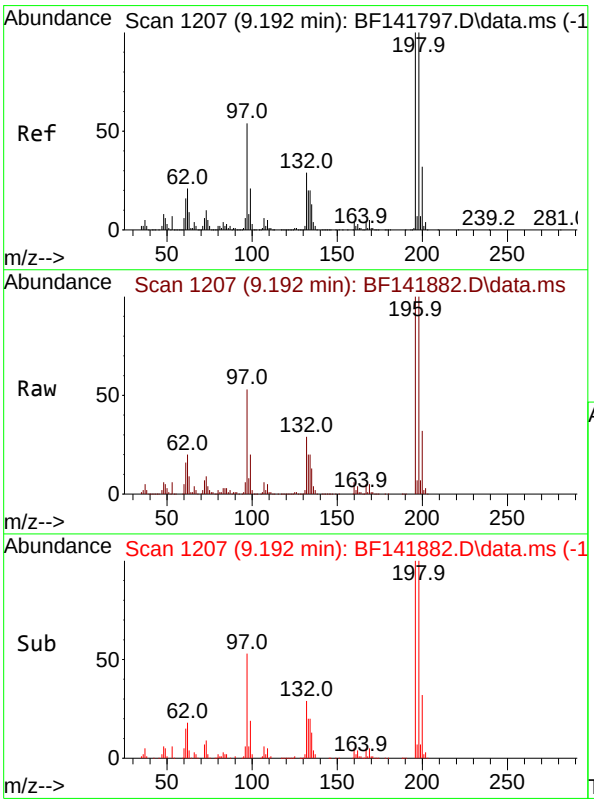
#43
2,4,6-Trichlorophenol
Concen: 43.751 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 346714

Ion	Ratio	Lower	Upper
196	100		
198	101.5	80.4	120.6
200	32.2	25.7	38.5

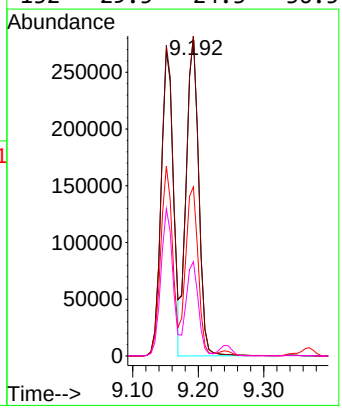


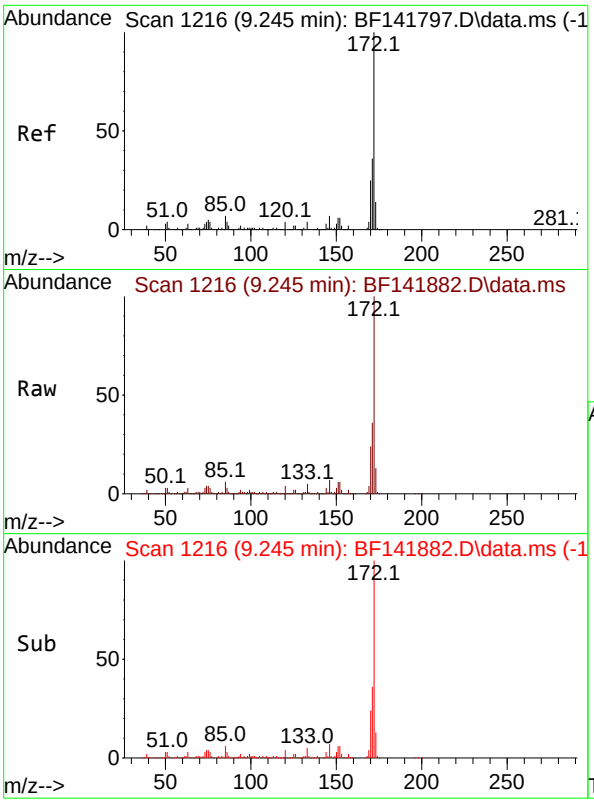


#44
2,4,5-Trichlorophenol
Concen: 47.207 ng
RT: 9.192 min Scan# 1207
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:196 Resp: 370446

Ion	Ratio	Lower	Upper
196	100		
198	100.1	79.7	119.5
97	52.9	44.2	66.2
132	29.5	24.3	36.5



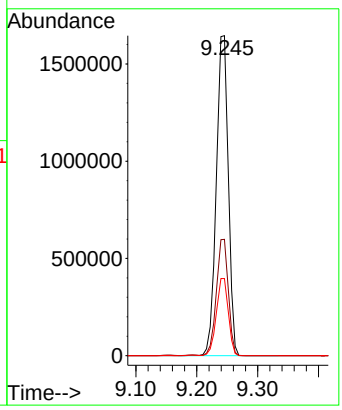


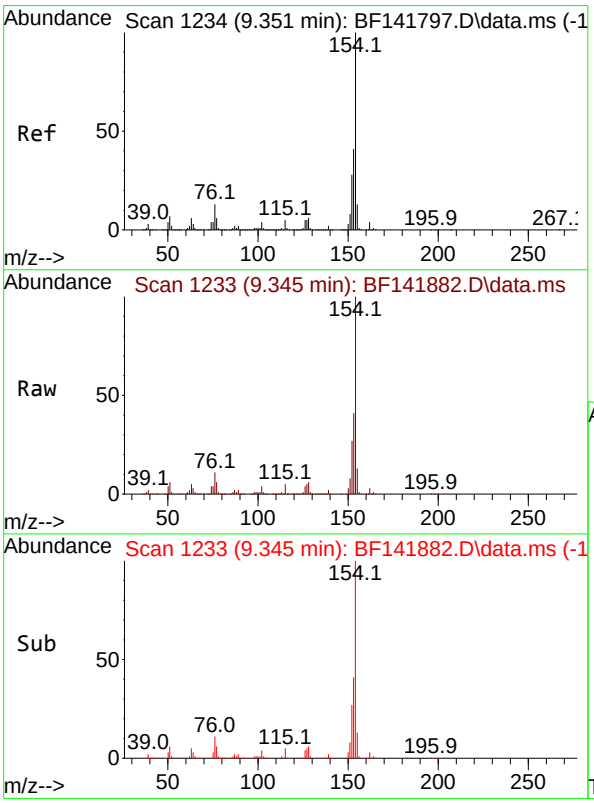
#45
2-Fluorobiphenyl
Concen: 85.212 ng
RT: 9.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 2257414

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.2	43.8
170	24.1	19.7	29.5

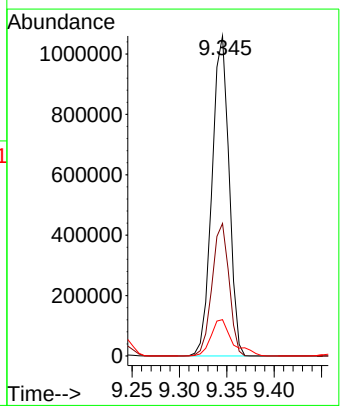


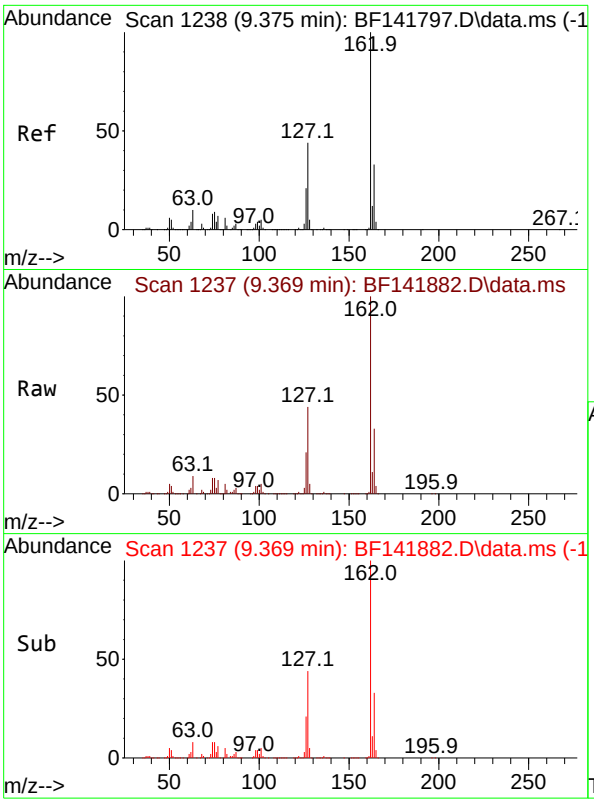


#46
1,1'-Biphenyl
Concen: 40.983 ng
RT: 9.345 min Scan# 1233
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:154 Resp: 1325077

Ion	Ratio	Lower	Upper
154	100		
153	41.4	21.4	61.4
76	11.4	0.0	33.4



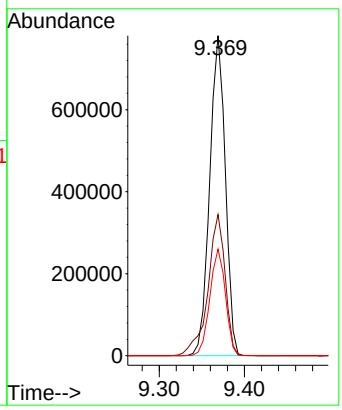


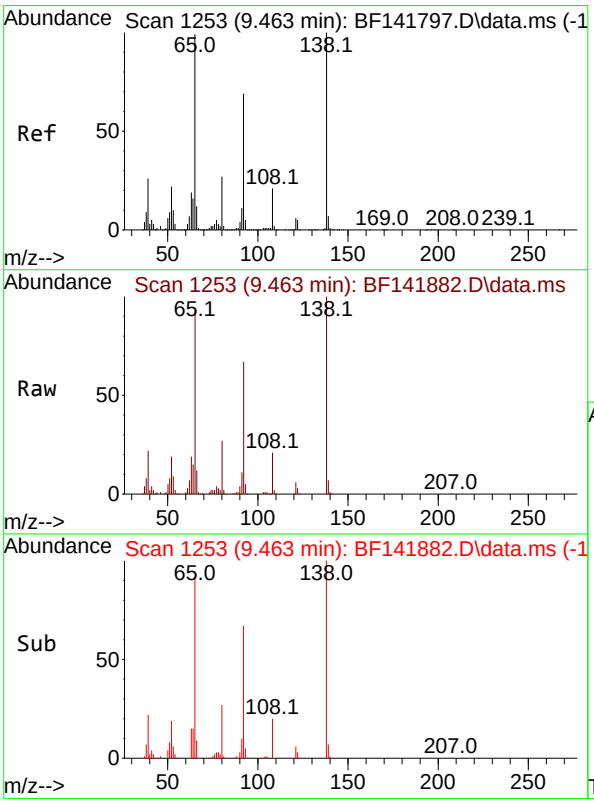
#47
2-Chloronaphthalene
Concen: 41.702 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 995170

Ion	Ratio	Lower	Upper
162	100		
127	44.1	35.0	52.6
164	33.3	26.6	40.0

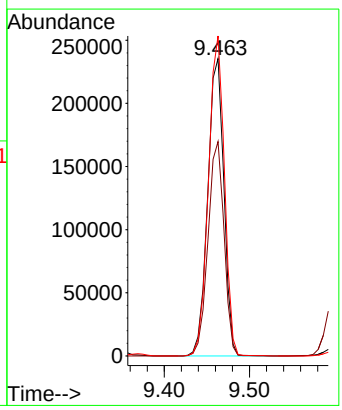


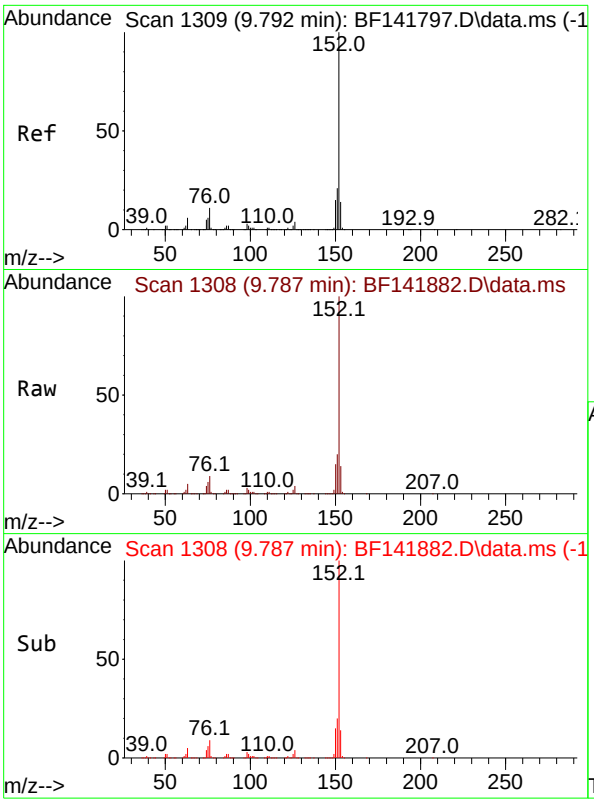


#48
2-Nitroaniline
Concen: 47.578 ng
RT: 9.463 min Scan# 1253
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion: 65 Resp: 310512

Ion	Ratio	Lower	Upper
65	100		
92	72.1	55.7	83.5
138	107.6	80.6	121.0



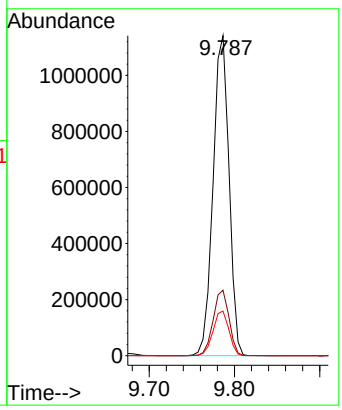


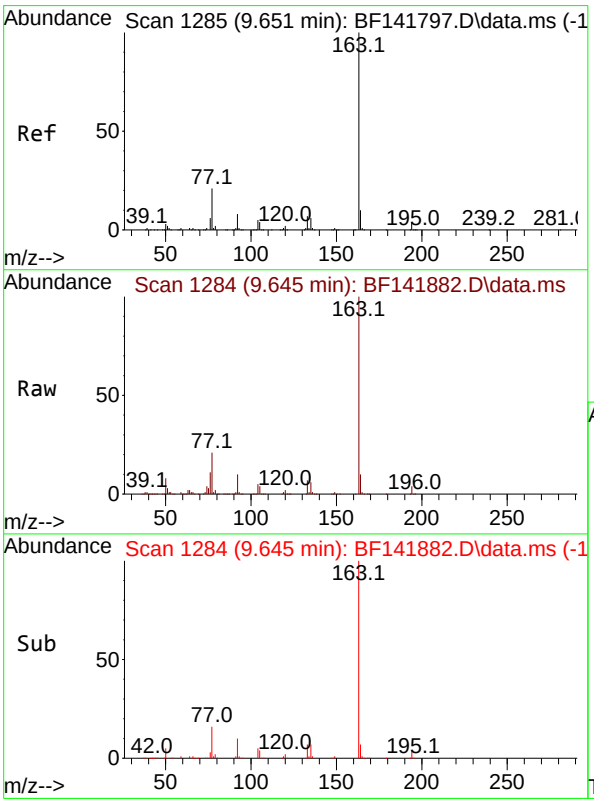
#49
Acenaphthylene
Concen: 41.425 ng
RT: 9.787 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 1482184

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.6	24.8
153	14.0	11.2	16.8

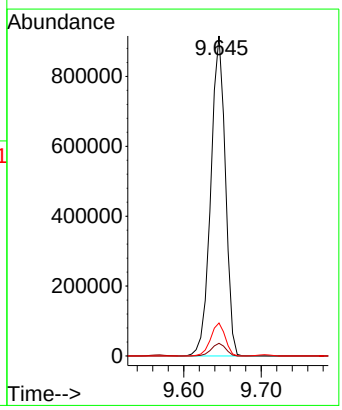


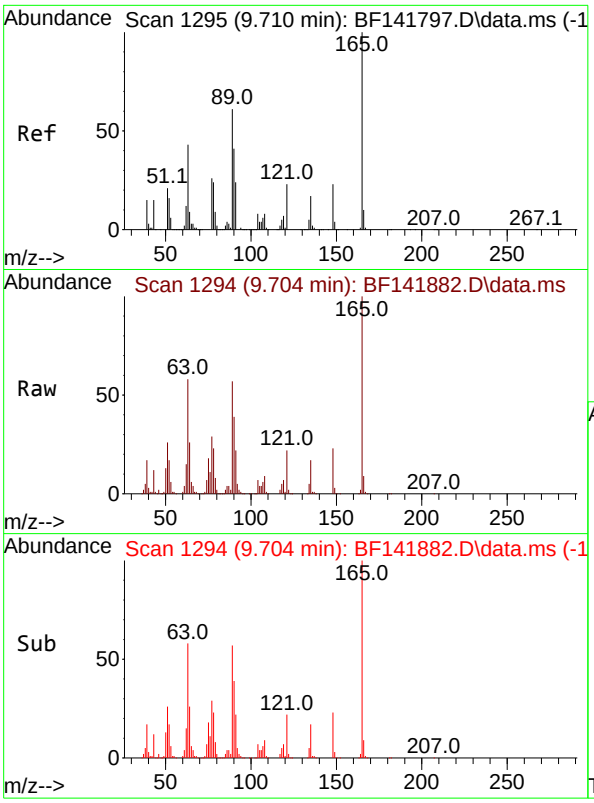


#50
Dimethylphthalate
Concen: 42.024 ng
RT: 9.645 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:163 Resp: 1195459

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.3	8.4	12.6



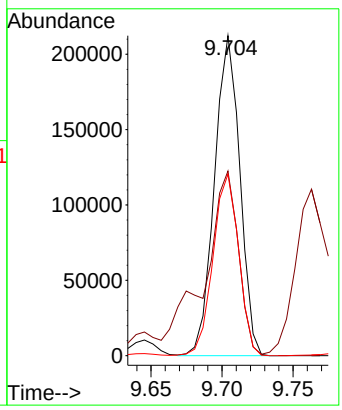


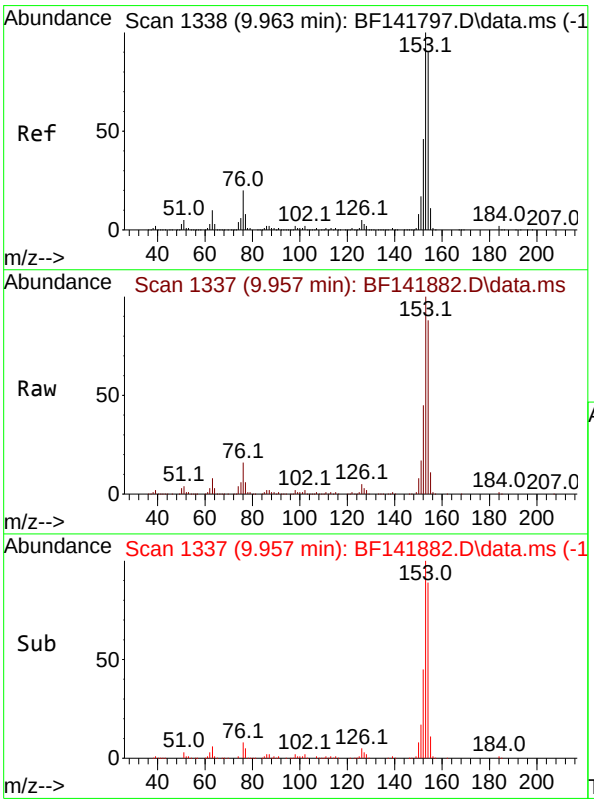
#51
2,6-Dinitrotoluene
Concen: 48.466 ng
RT: 9.704 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 263902

Ion	Ratio	Lower	Upper
165	100		
63	57.7	49.5	74.3
89	56.7	49.0	73.4

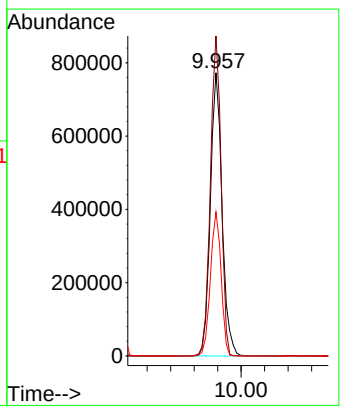


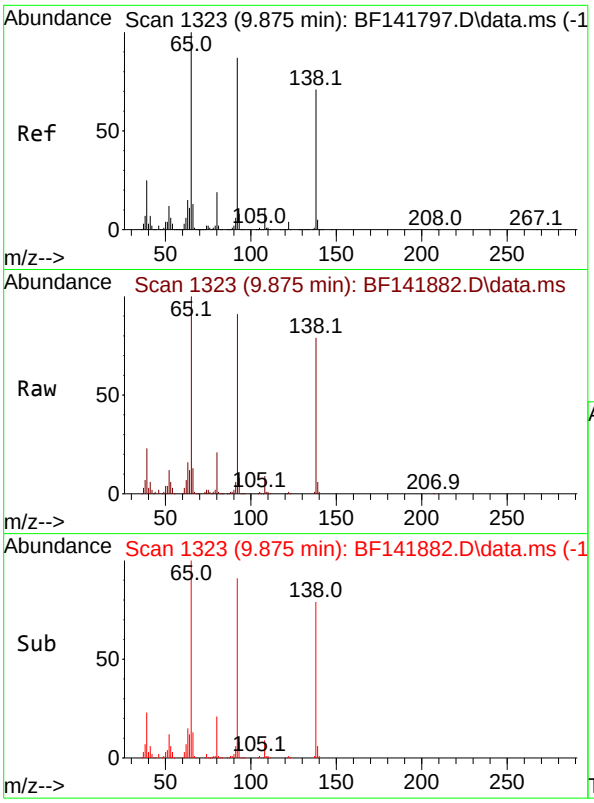


#52
Acenaphthene
Concen: 44.141 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:154 Resp: 1065668

Ion	Ratio	Lower	Upper
154	100		
153	113.0	88.7	133.1
152	50.8	40.9	61.3



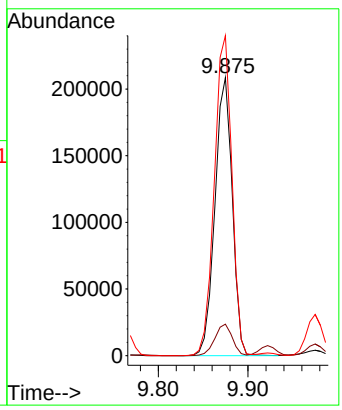


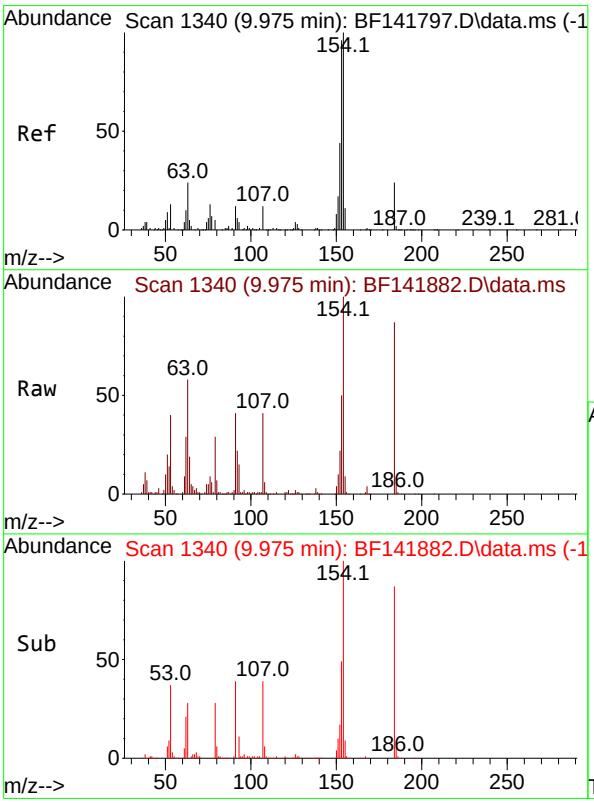
#53
3-Nitroaniline
Concen: 48.270 ng
RT: 9.875 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 279903

Ion	Ratio	Lower	Upper
138	100		
108	11.3	12.7	19.1#
92	115.1	97.9	146.9

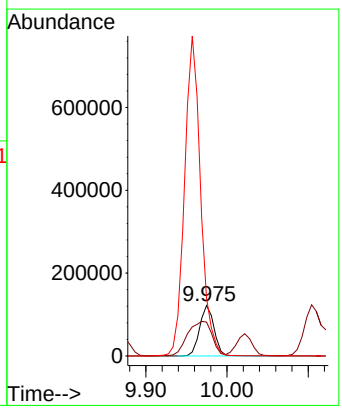


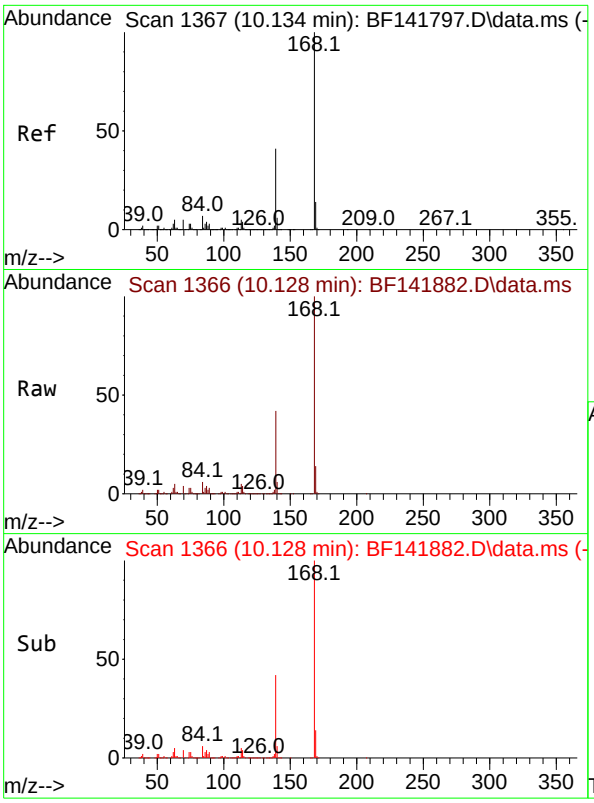


#54
2,4-Dinitrophenol
Concen: 64.789 ng
RT: 9.975 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:184 Resp: 150349

Ion	Ratio	Lower	Upper
184	100		
63	67.1	79.0	118.6#
154	114.7	335.8	503.8#



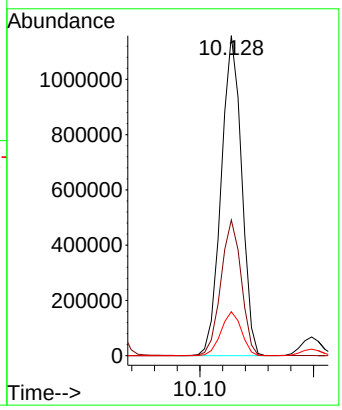


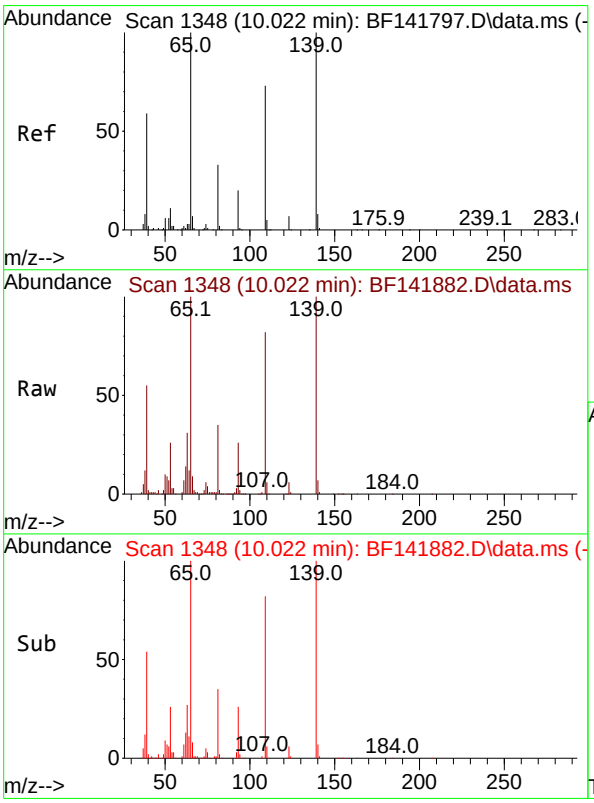
#55
Dibenzofuran
Concen: 41.199 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 1447705

Ion	Ratio	Lower	Upper
168	100		
139	42.4	32.9	49.3
169	13.7	11.1	16.7

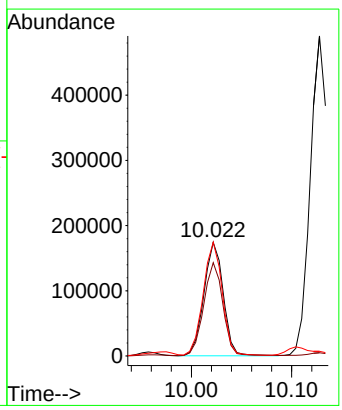


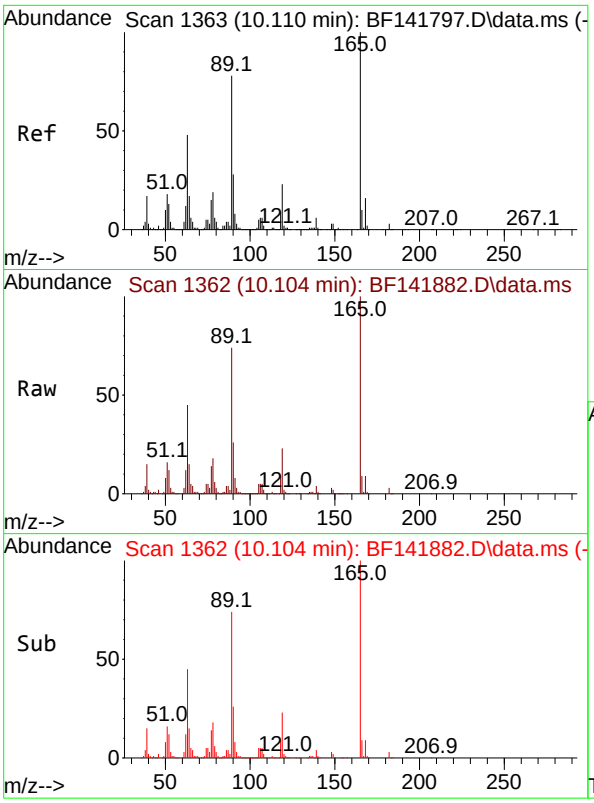


#56
4-Nitrophenol
Concen: 55.625 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:139 Resp: 233707

Ion	Ratio	Lower	Upper
139	100		
109	82.1	53.4	93.4
65	100.2	82.1	122.1



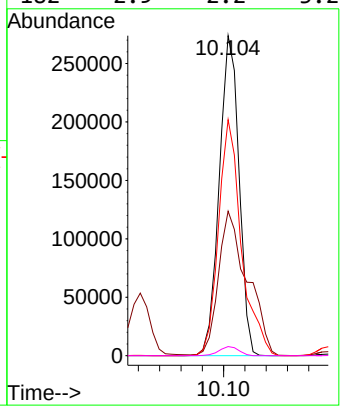


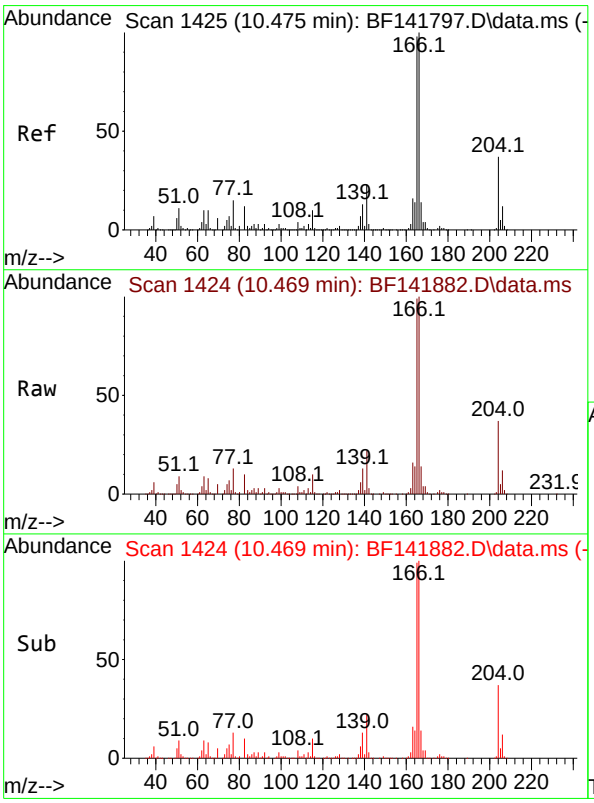
#57
2,4-Dinitrotoluene
Concen: 52.617 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 352174

Ion	Ratio	Lower	Upper
165	100		
63	45.2	38.8	58.2
89	73.7	62.6	94.0
182	2.9	2.2	3.2

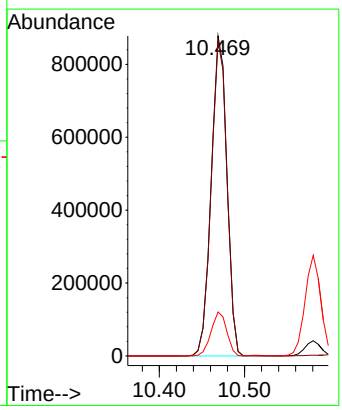


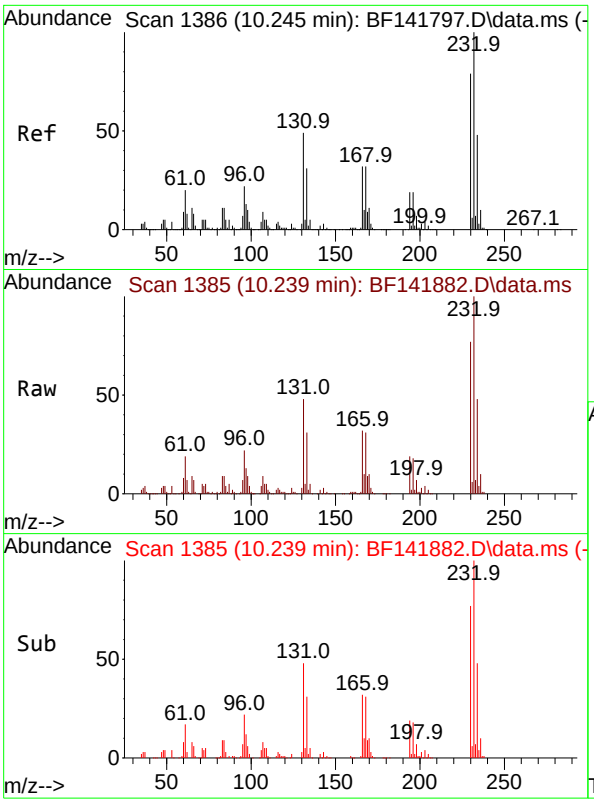


#58
Fluorene
Concen: 42.973 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:166 Resp: 1131091

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.6	117.8
167	13.8	11.0	16.4



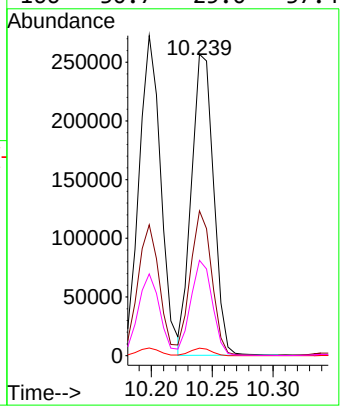


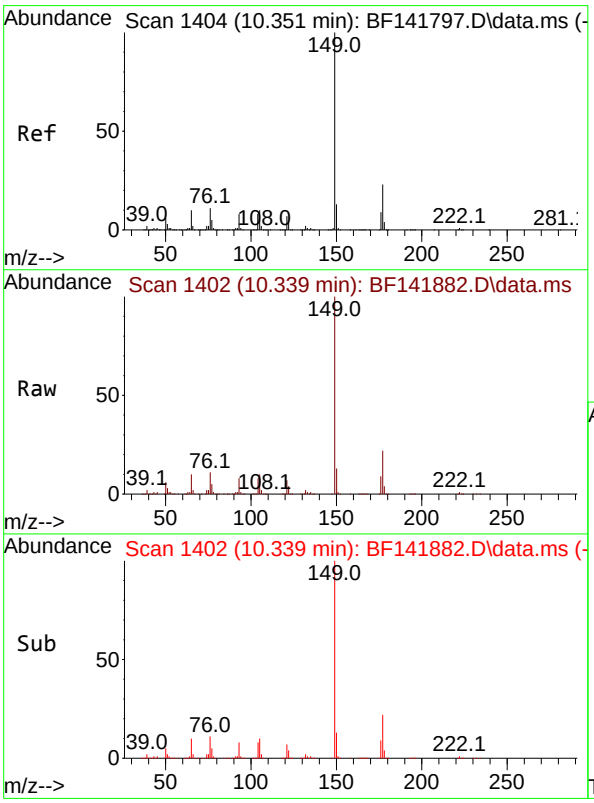
#59
2,3,4,6-Tetrachlorophenol
Concen: 47.692 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 325495

Ion	Ratio	Lower	Upper
232	100		
131	46.1	37.8	56.8
130	2.4	2.0	3.0
166	30.7	25.0	37.4

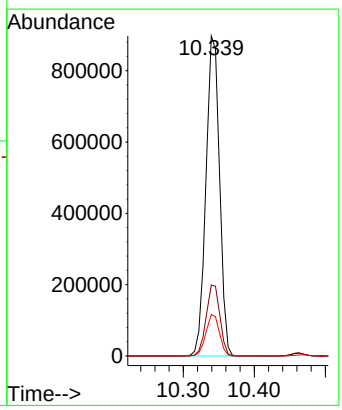


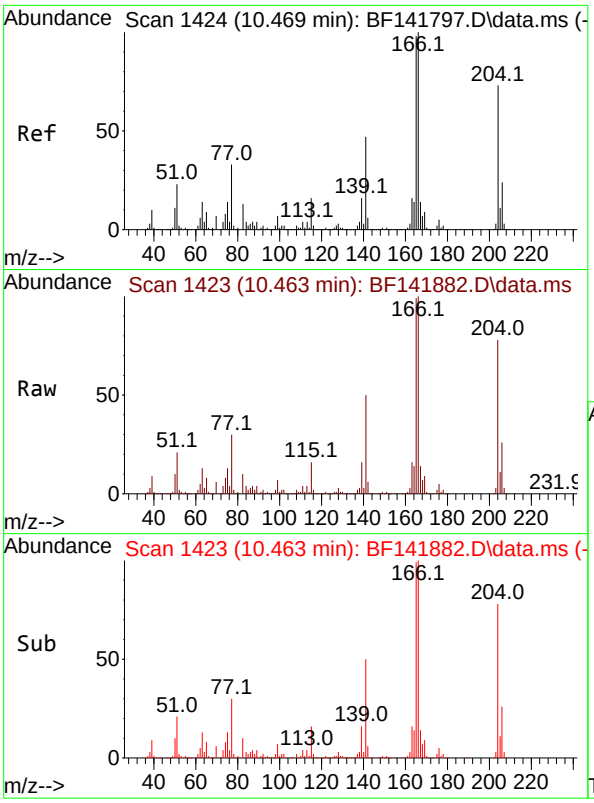


#60
Diethylphthalate
Concen: 41.951 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:149 Resp: 1196331

Ion	Ratio	Lower	Upper
149	100		
177	22.2	18.3	27.5
150	12.9	10.3	15.5



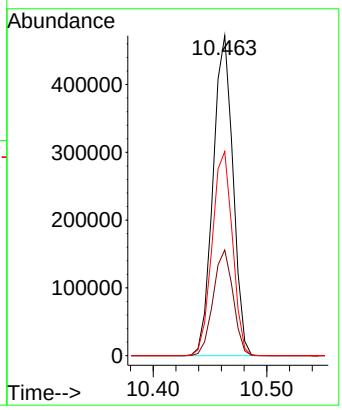


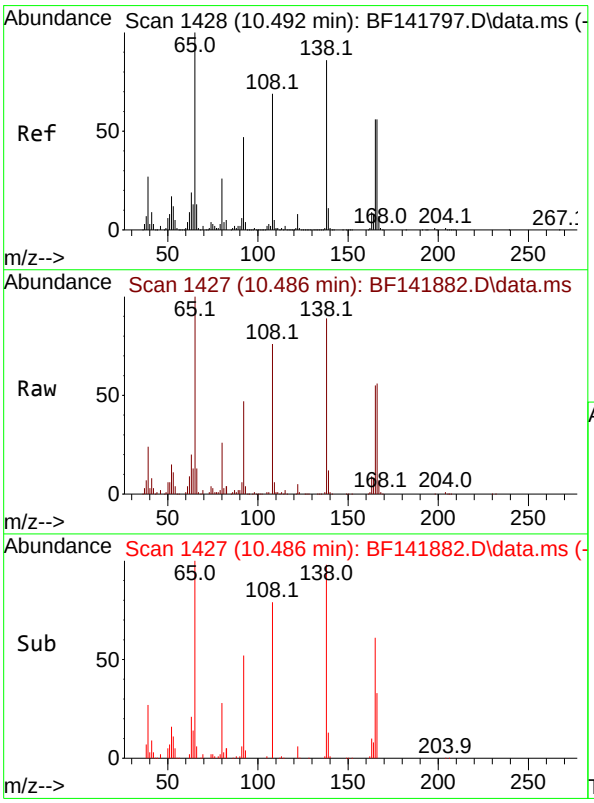
#61
4-Chlorophenyl-phenylether
Concen: 43.684 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 576098

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.2	39.4
141	63.8	51.7	77.5

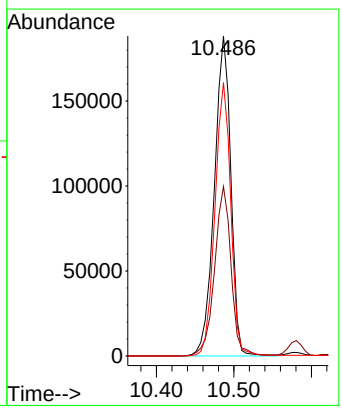


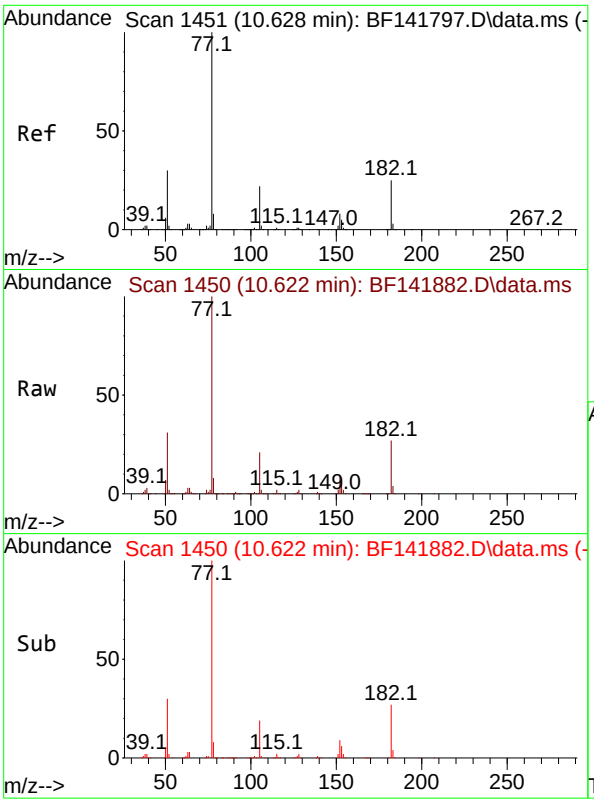


#62
4-Nitroaniline
Concen: 57.344 ng
RT: 10.486 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:138 Resp: 278576

Ion	Ratio	Lower	Upper
138	100		
92	53.0	34.9	74.9
108	85.4	59.6	99.6



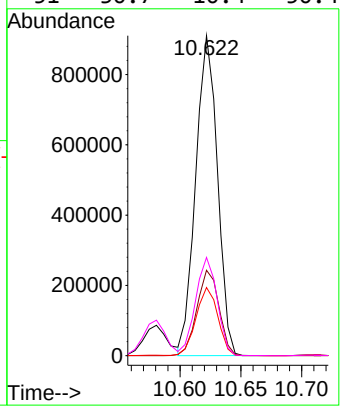


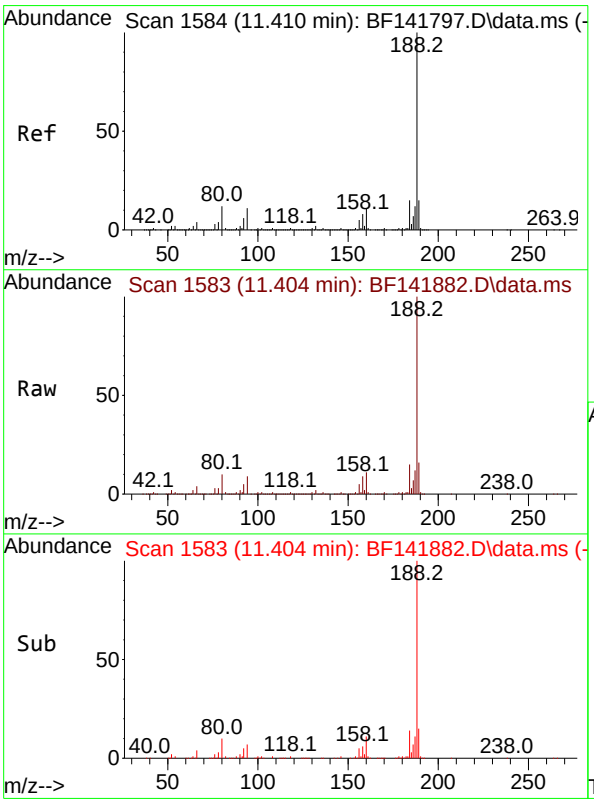
#63
Azobenzene
Concen: 37.727 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1132824

Ion	Ratio	Lower	Upper
77	100		
182	26.7	4.2	44.2
105	21.3	1.5	41.5
51	30.7	10.4	50.4

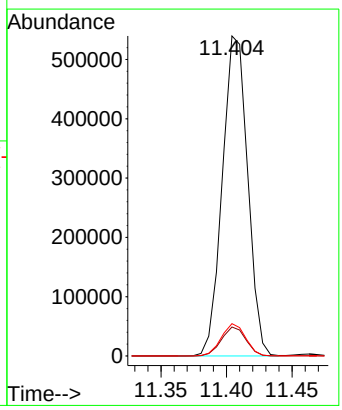


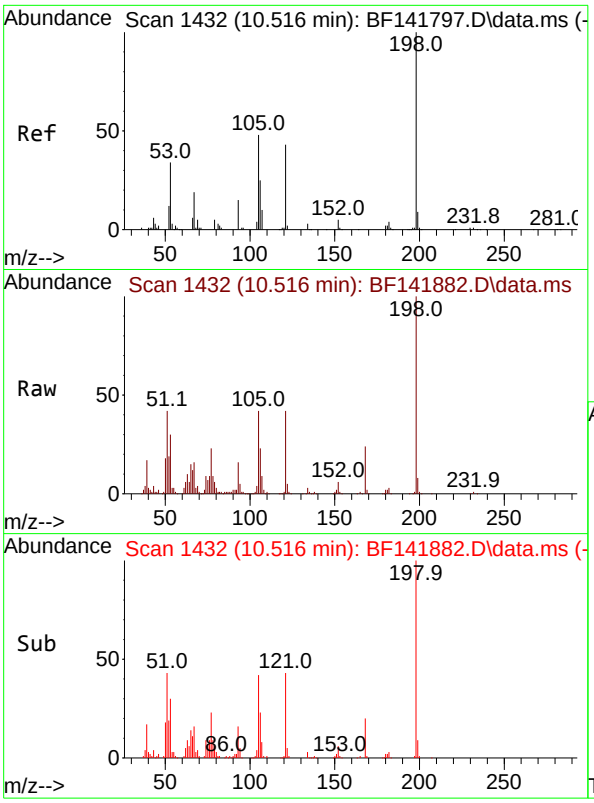


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:188 Resp: 725251

Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.9	13.3
80	10.1	9.7	14.5



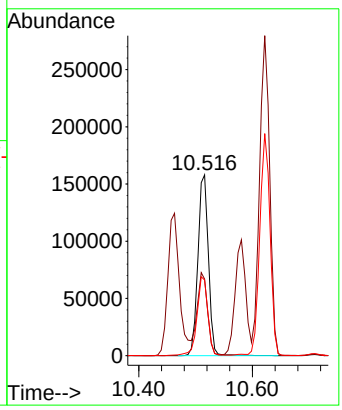


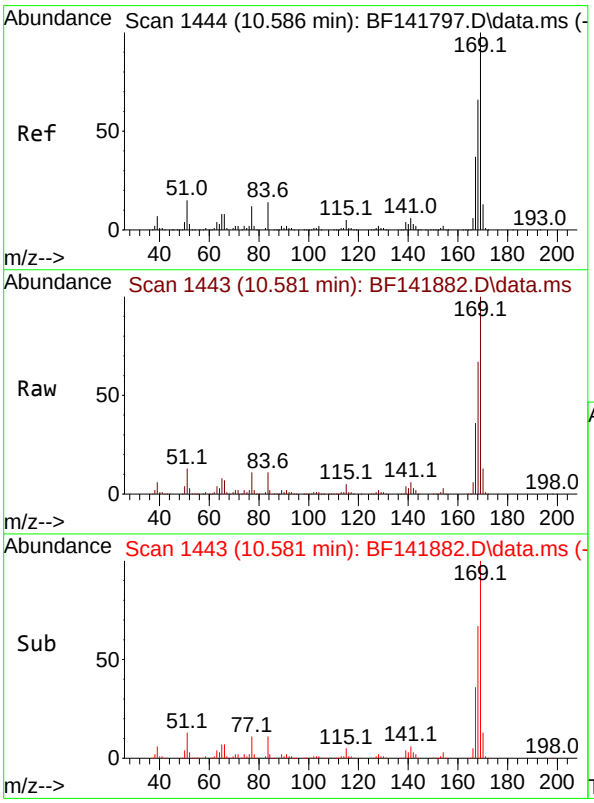
#65
4,6-Dinitro-2-methylphenol
Concen: 57.660 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 203648

Ion	Ratio	Lower	Upper
198	100		
51	42.4	32.1	72.1
105	41.8	28.5	68.5

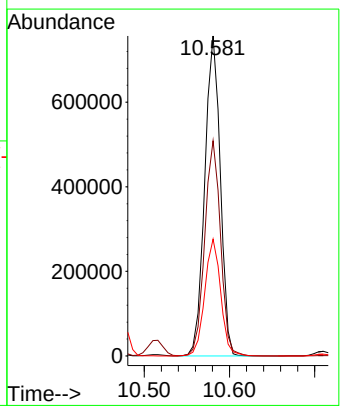


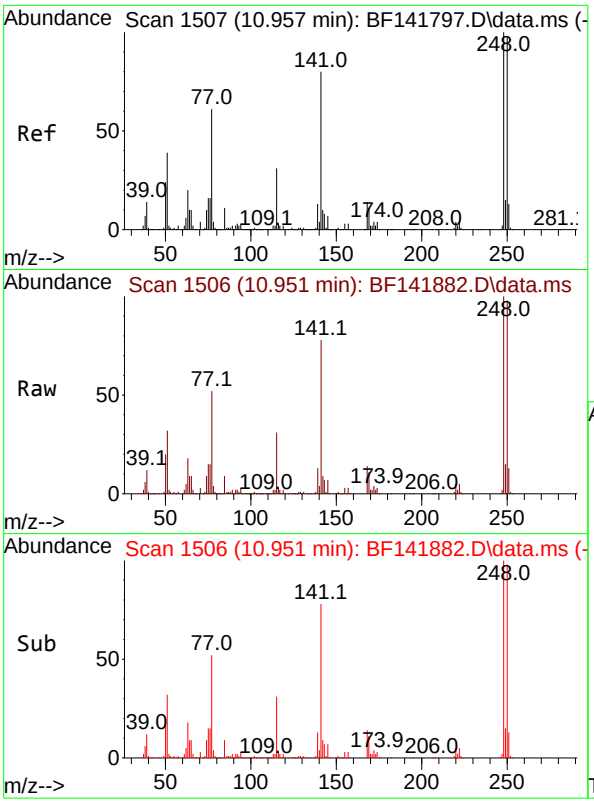


#66
n-Nitrosodiphenylamine
Concen: 40.261 ng
RT: 10.581 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:169 Resp: 958807

Ion	Ratio	Lower	Upper
169	100		
168	67.3	53.0	79.6
167	36.5	29.3	43.9



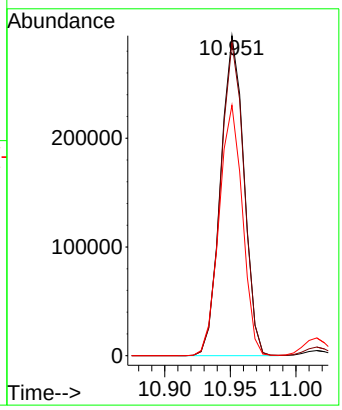


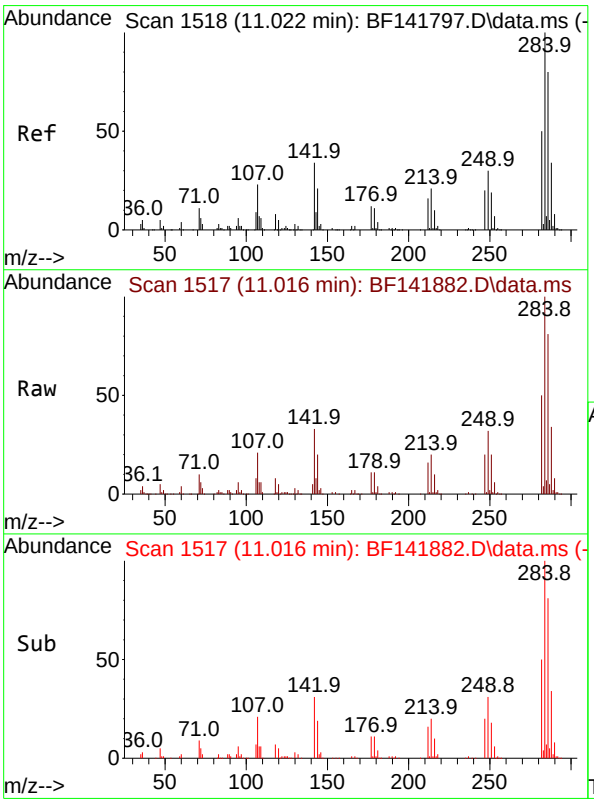
#67
4-Bromophenyl-phenylether
Concen: 42.900 ng
RT: 10.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 363416

Ion	Ratio	Lower	Upper
248	100		
250	97.8	78.1	117.1
141	78.3	64.3	96.5

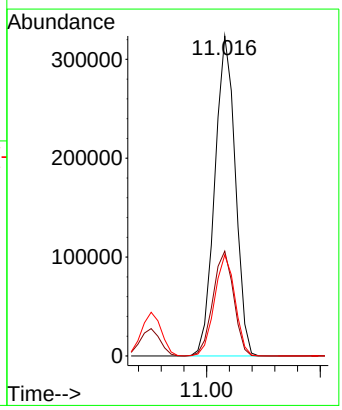


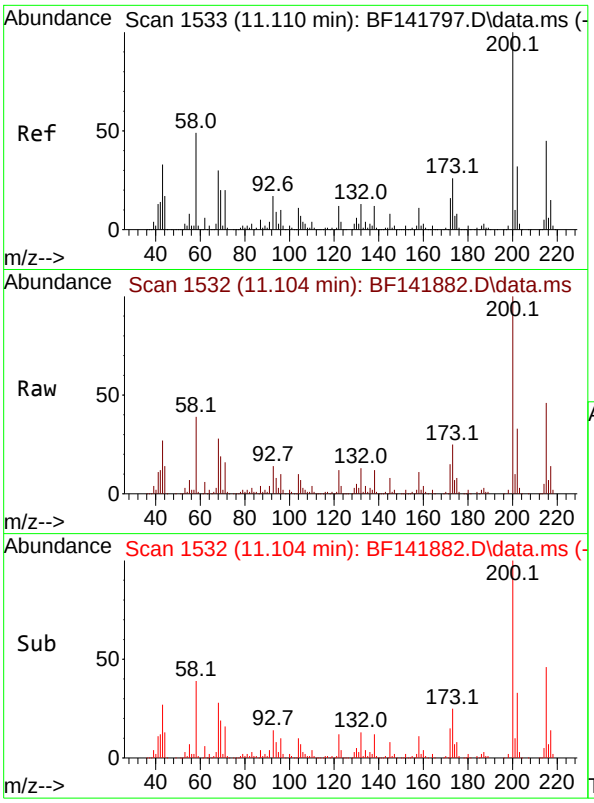


#68
Hexachlorobenzene
Concen: 45.366 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:284 Resp: 405812

Ion	Ratio	Lower	Upper
284	100		
142	32.7	28.2	42.2
249	31.6	25.5	38.3



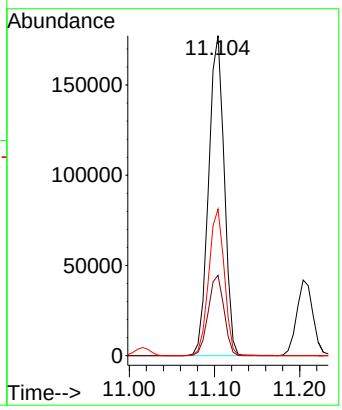


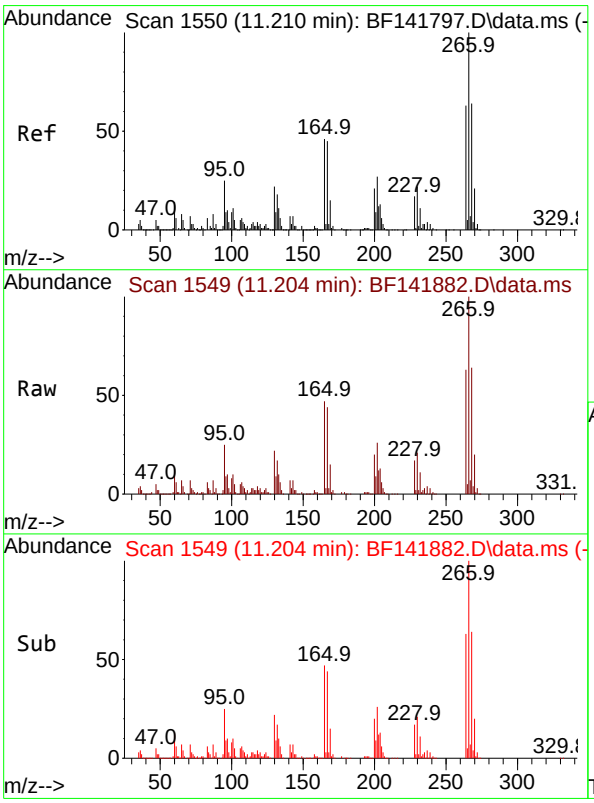
#69
Atrazine
Concen: 34.487 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 225851

Ion	Ratio	Lower	Upper
200	100		
173	25.1	5.6	45.6
215	45.8	25.3	65.3

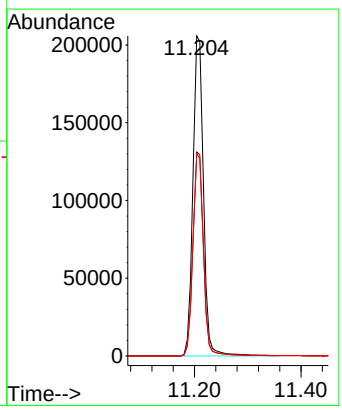


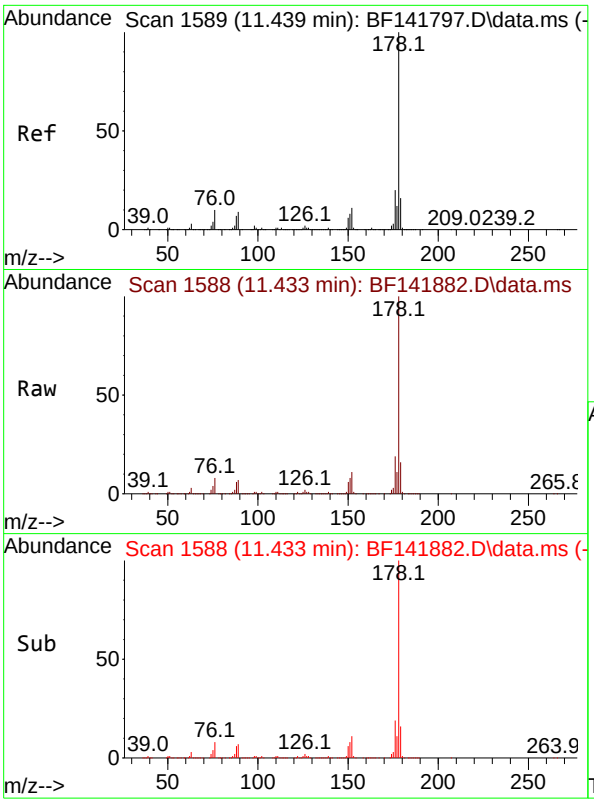


#70
Pentachlorophenol
Concen: 49.971 ng
RT: 11.204 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:266 Resp: 283509

Ion	Ratio	Lower	Upper
266	100		
268	63.8	50.9	76.3
264	63.2	50.2	75.4



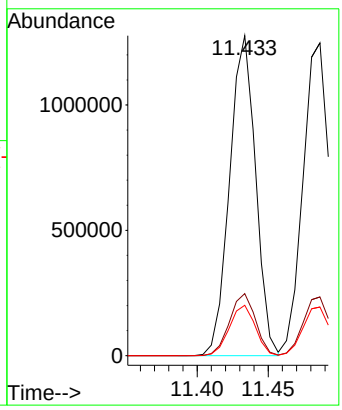


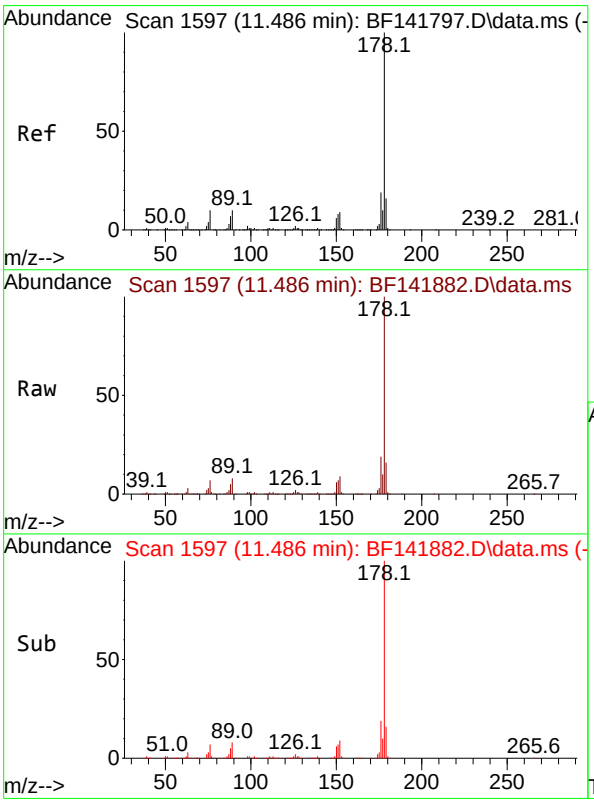
#71
Phenanthrene
Concen: 41.941 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 1627067

Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.0	24.0
179	15.7	12.6	19.0

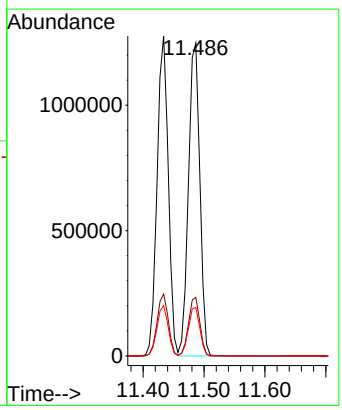


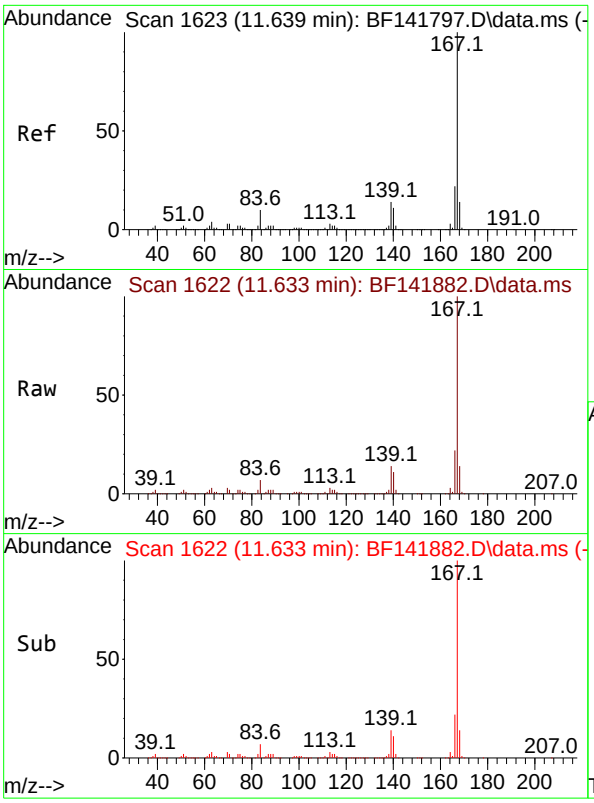


#72
Anthracene
Concen: 41.818 ng
RT: 11.486 min Scan# 1597
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:178 Resp: 1625869

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.6	12.8	19.2



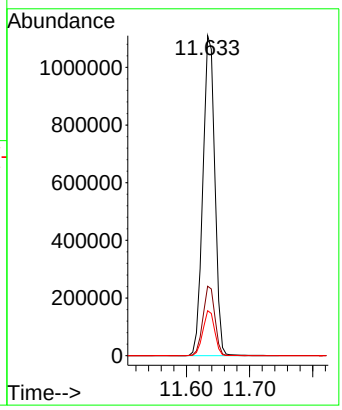


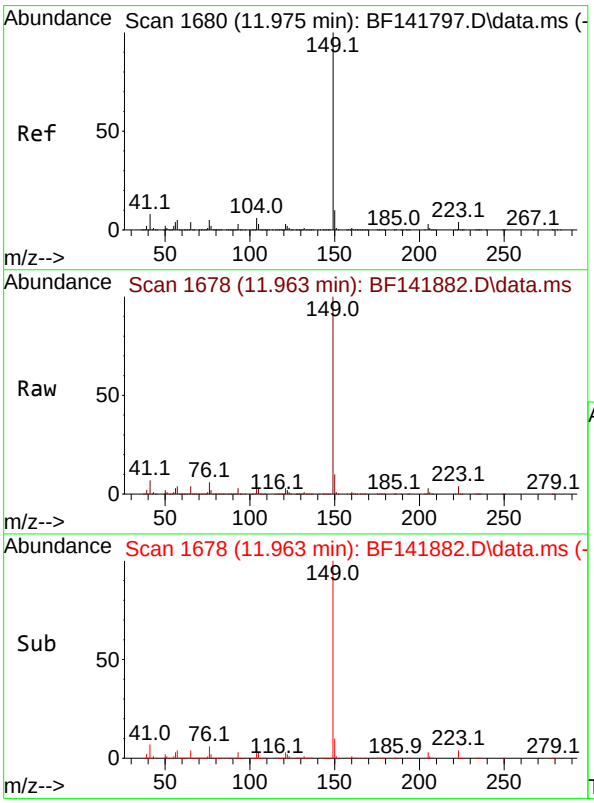
#73
Carbazole
Concen: 42.664 ng
RT: 11.633 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 1464842

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.5	26.3
139	14.0	11.3	16.9

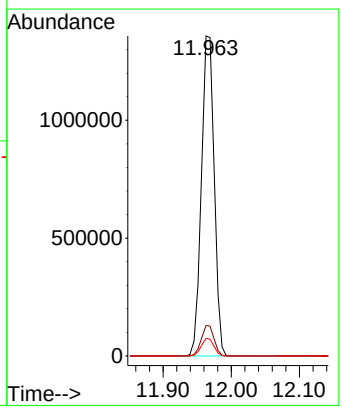


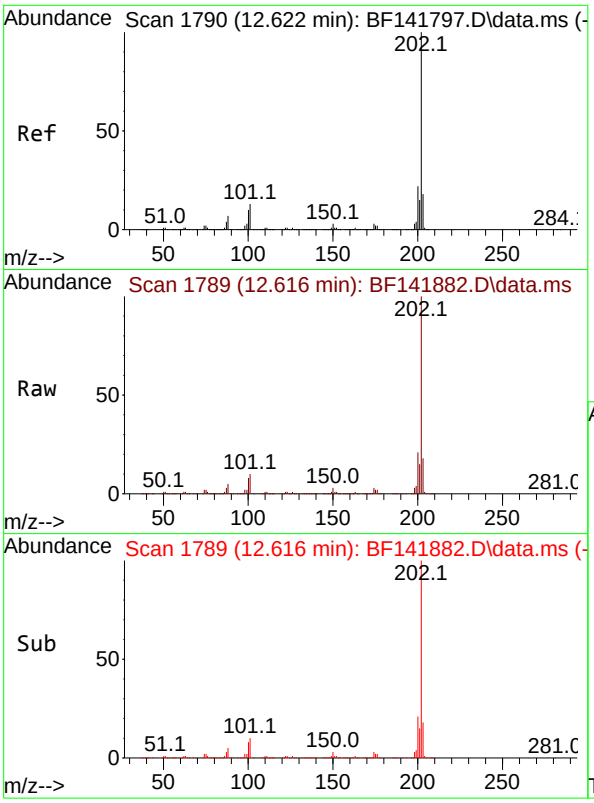


#74
Di-n-butylphthalate
Concen: 40.848 ng
RT: 11.963 min Scan# 1678
Delta R.T. -0.012 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:149 Resp: 1777768

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.7	11.5
104	5.5	4.4	6.6



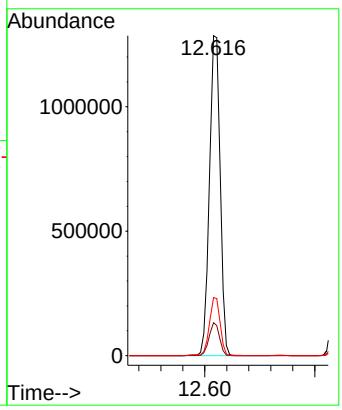


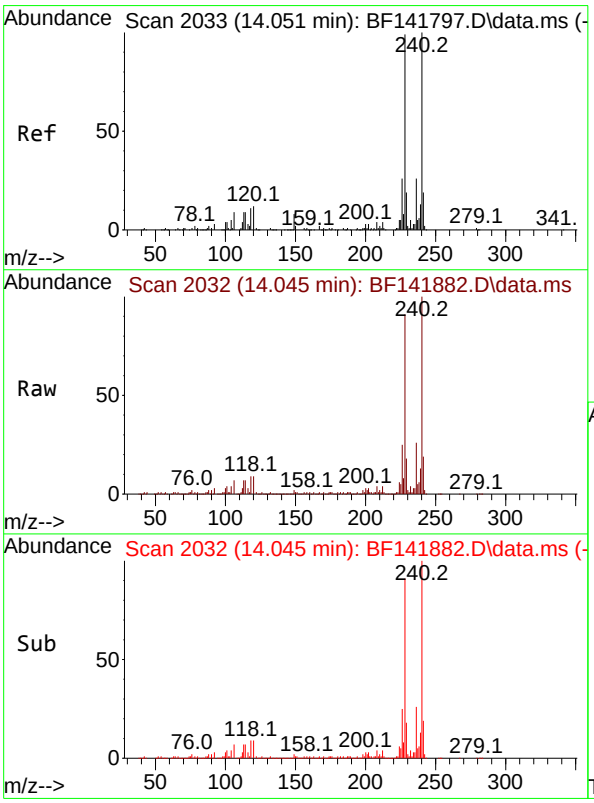
#75
Fluoranthene
Concen: 43.809 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 1741431

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	32.8
203	18.2	0.0	38.0

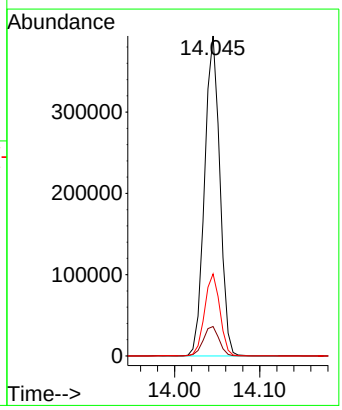


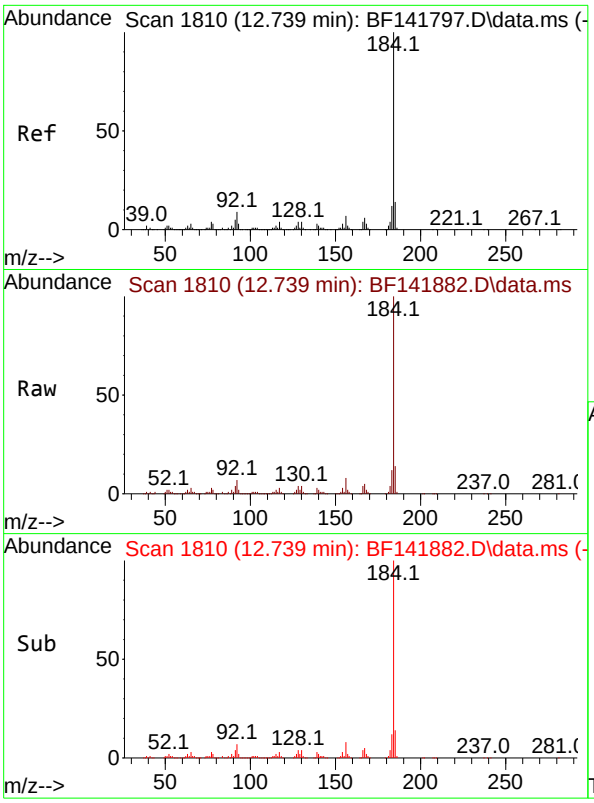


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:240 Resp: 490278

Ion	Ratio	Lower	Upper
240	100		
120	9.2	9.7	14.5#
236	25.7	21.0	31.4



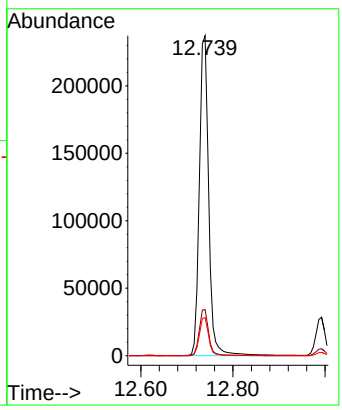


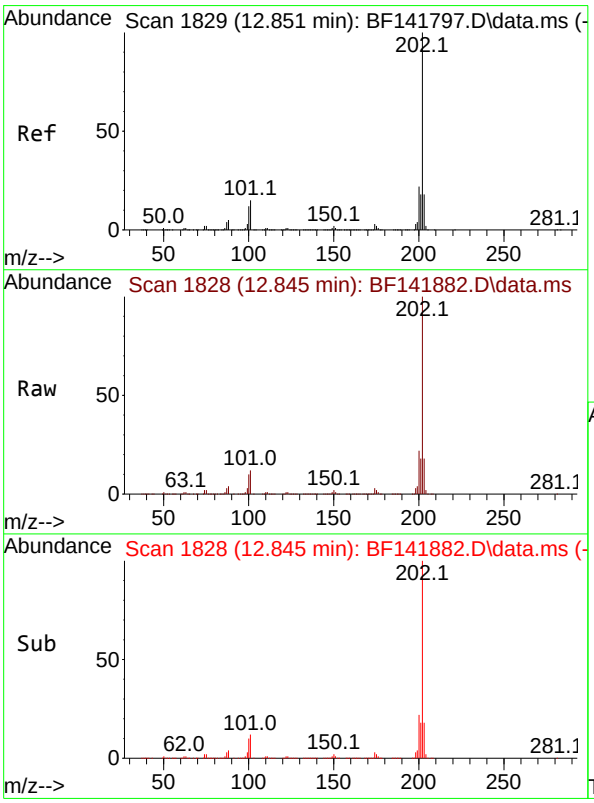
#77
Benzidine
Concen: 54.265 ng
RT: 12.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 334863

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.6	17.4
183	11.9	9.4	14.0

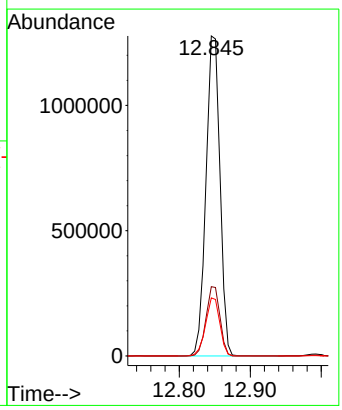


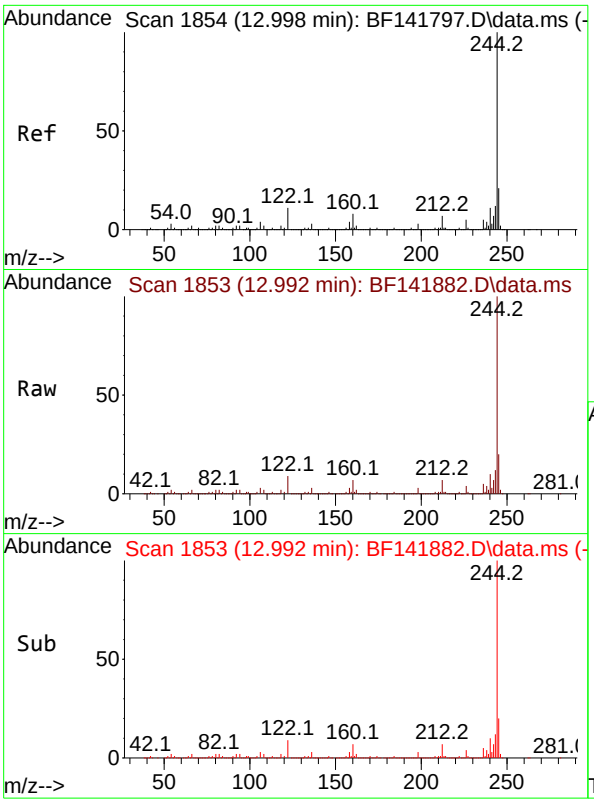


#78
Pyrene
Concen: 41.240 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:202 Resp: 1750834

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.0
203	18.2	14.6	22.0



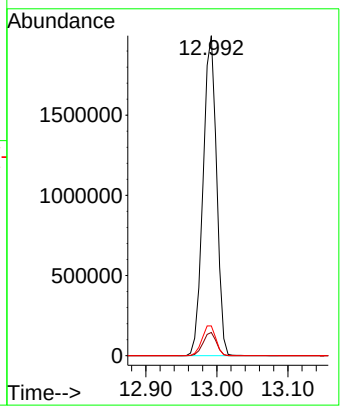


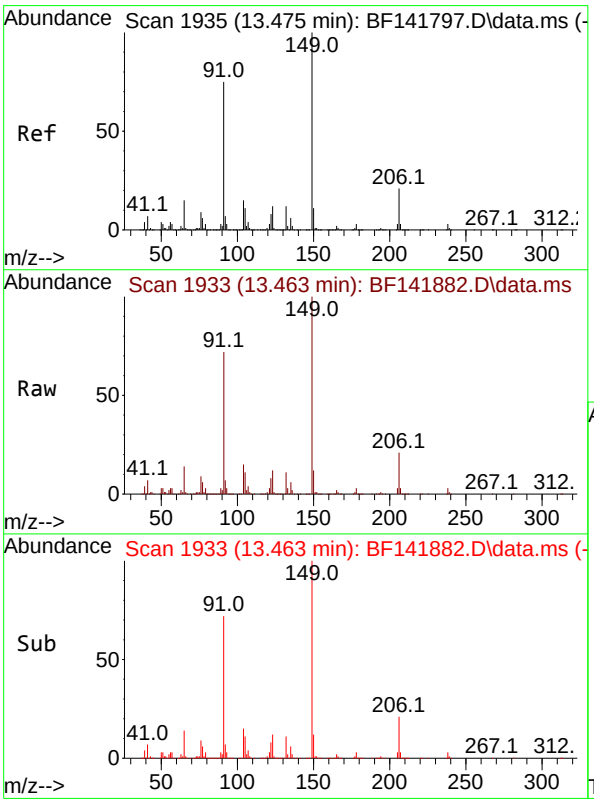
#79
Terphenyl-d14
Concen: 87.300 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 2645443

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	9.3	9.0	13.6

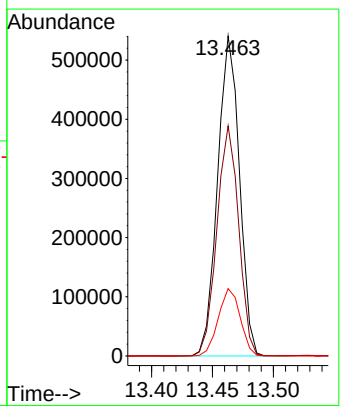


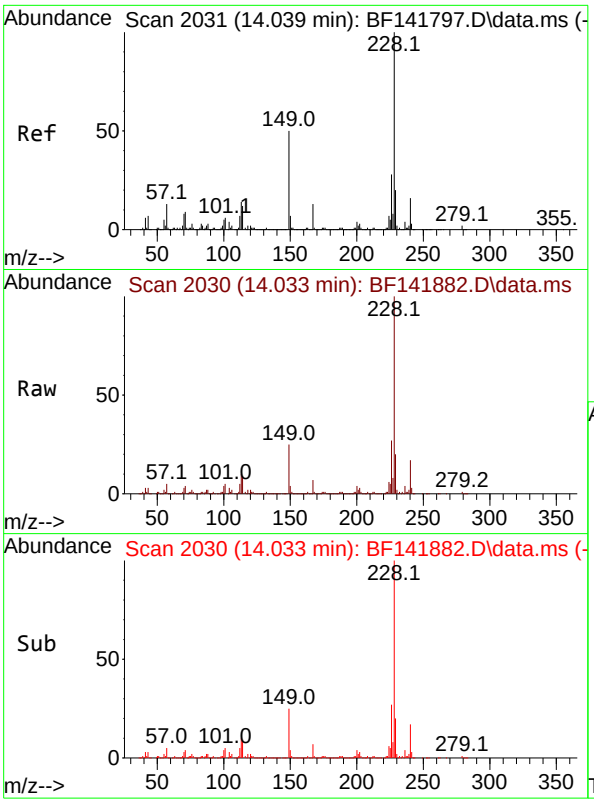


#80
Butylbenzylphthalate
Concen: 43.806 ng
RT: 13.463 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:149 Resp: 675703

Ion	Ratio	Lower	Upper
149	100		
91	71.9	60.1	90.1
206	21.1	16.8	25.2



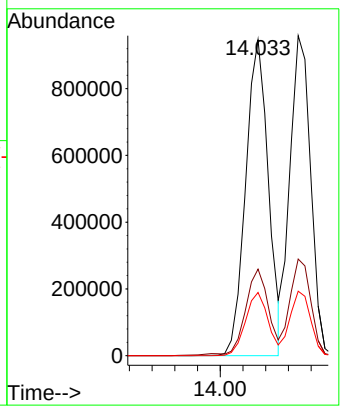


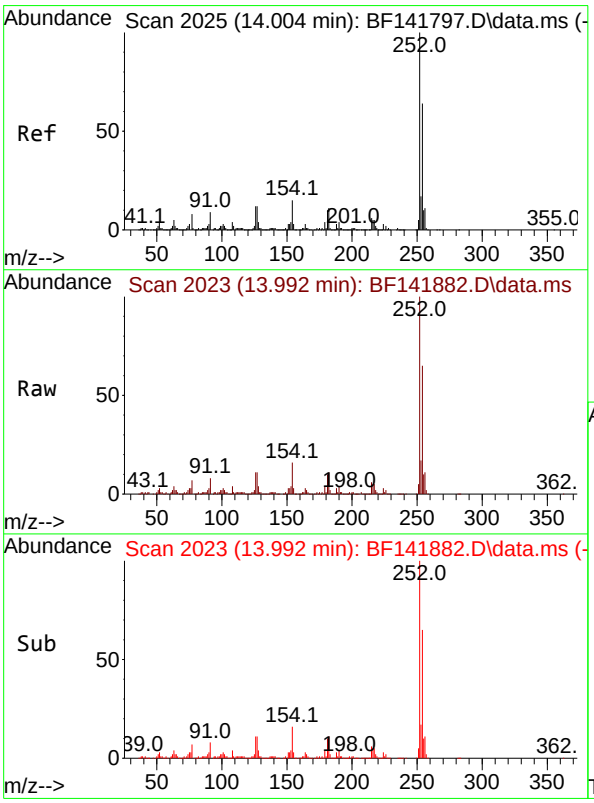
#81
Benzo(a)anthracene
Concen: 40.602 ng
RT: 14.033 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 1314838

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.1	33.1
229	20.0	16.1	24.1

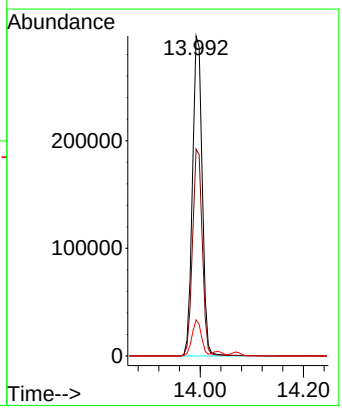


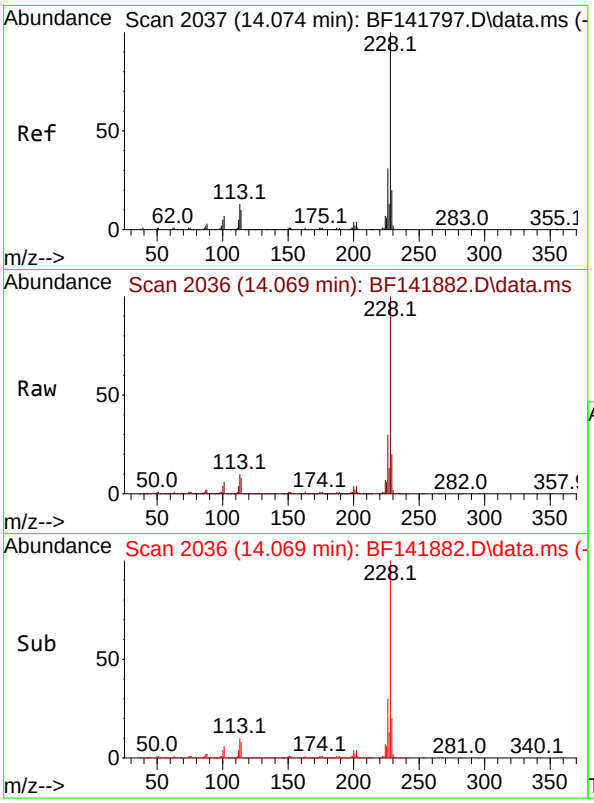


#82
3,3'-Dichlorobenzidine
Concen: 41.897 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:252 Resp: 389271

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.4	77.0
126	11.3	9.8	14.6



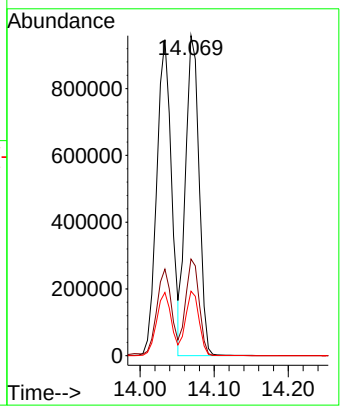


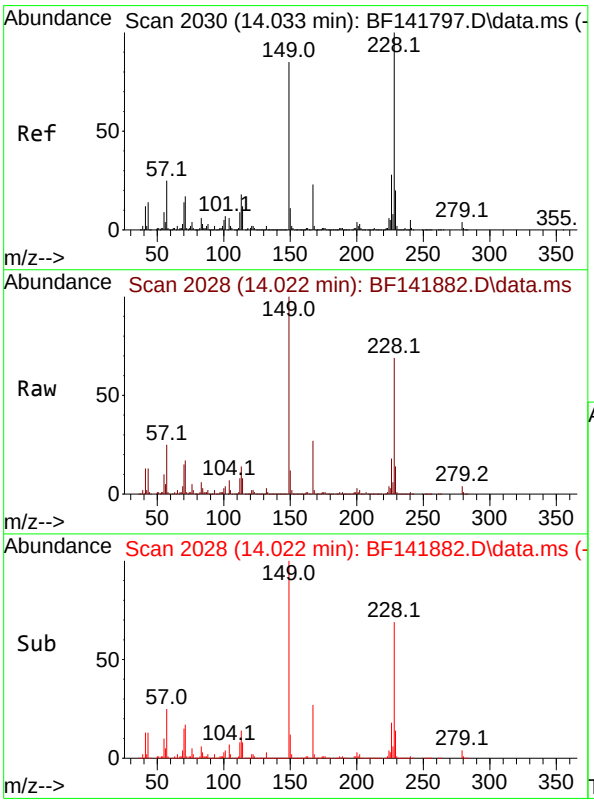
#83
Chrysene
Concen: 40.821 ng
RT: 14.069 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 1218583

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.6	37.0
229	20.2	16.1	24.1

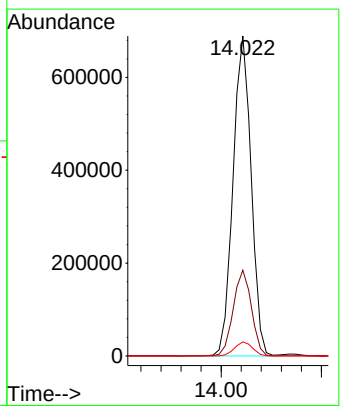


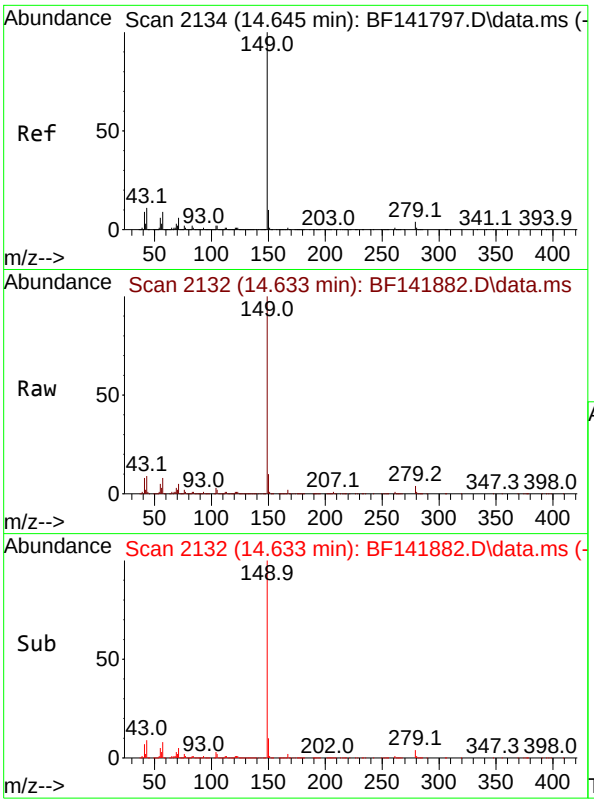


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.141 ng
RT: 14.022 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:149 Resp: 866982

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.2	31.8
279	4.4	3.3	4.9



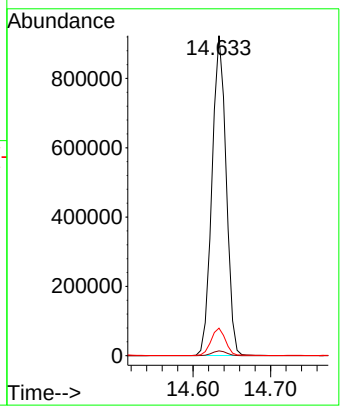


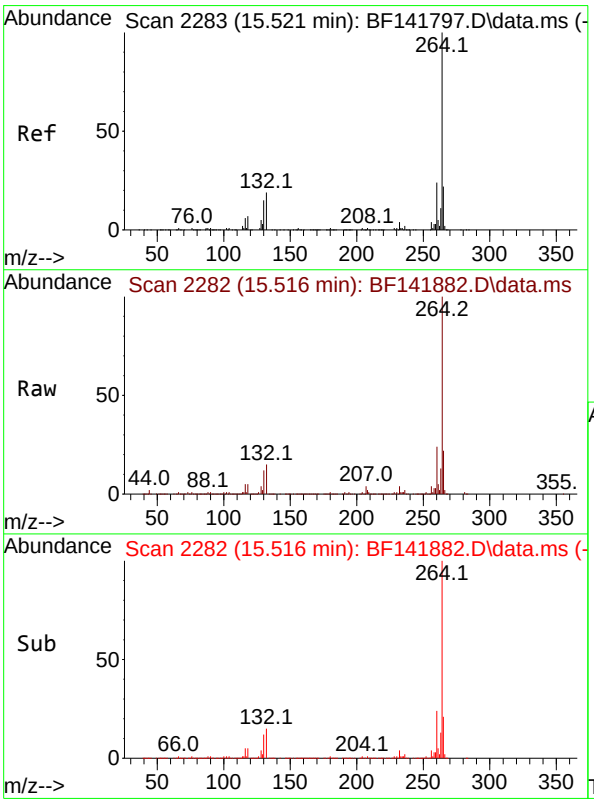
#85
Di-n-octyl phthalate
Concen: 40.729 ng
RT: 14.633 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 1171115

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	8.8	8.6	12.8

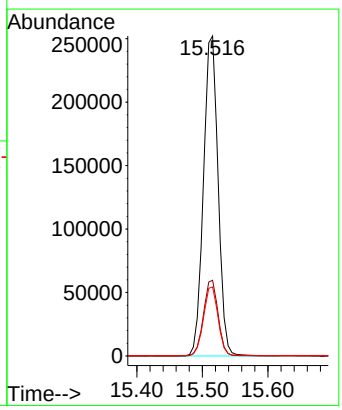


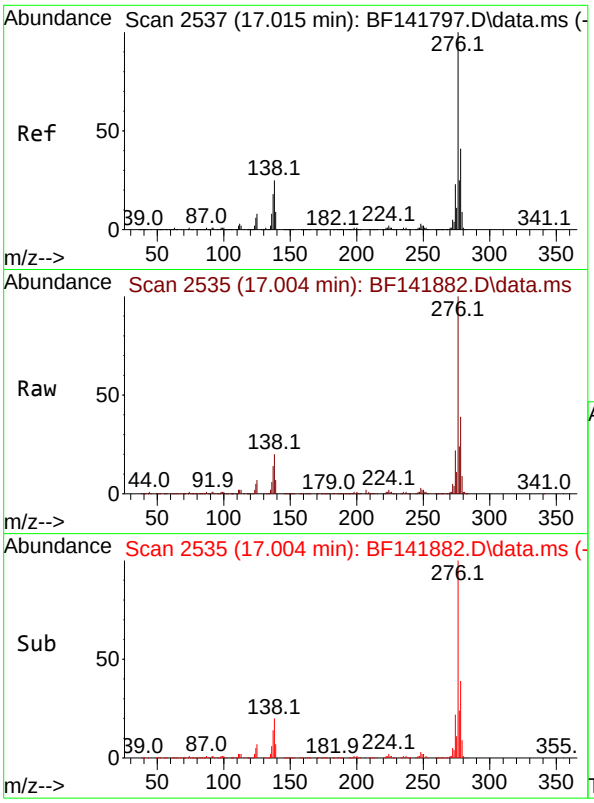


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.516 min Scan# 2282
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:264 Resp: 391726

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	21.6	17.4	26.0



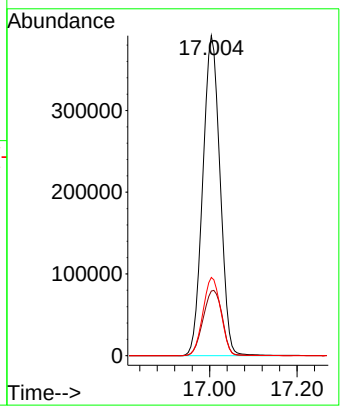


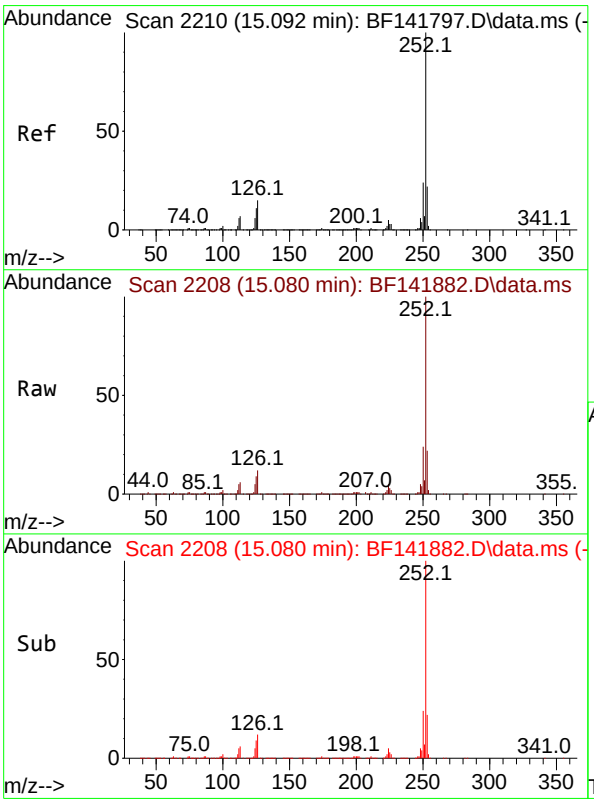
#87
Indeno(1,2,3-cd)pyrene
Concen: 43.142 ng
RT: 17.004 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 1076120

Ion	Ratio	Lower	Upper
276	100		
138	22.6	22.5	33.7
277	25.2	20.3	30.5

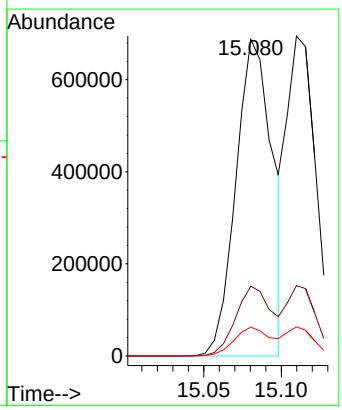


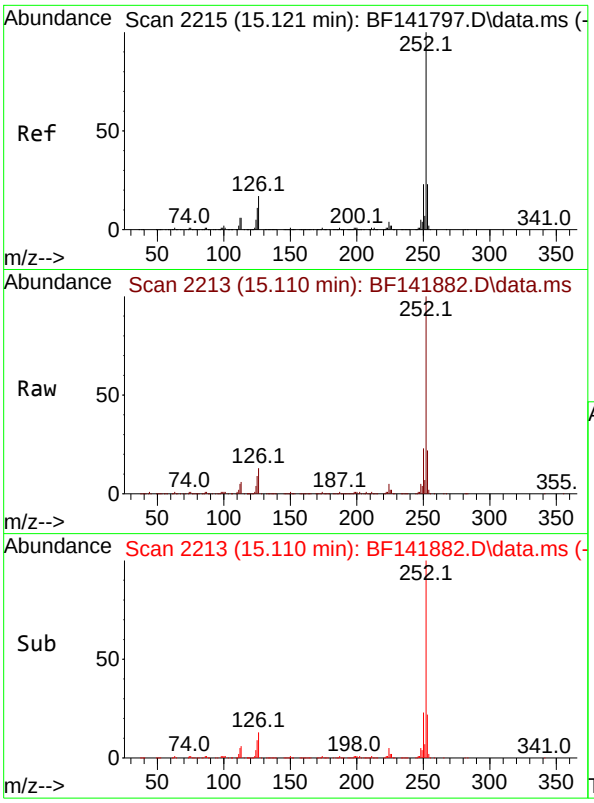


#88
Benzo(b)fluoranthene
Concen: 42.113 ng
RT: 15.080 min Scan# 2208
Delta R.T. -0.012 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:252 Resp: 1123711

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.1	8.6	13.0



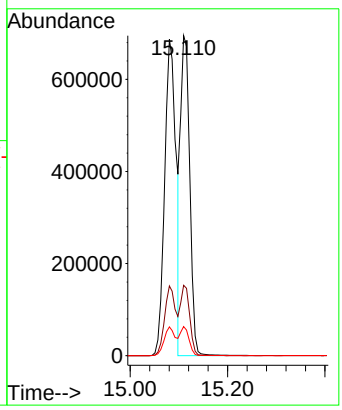


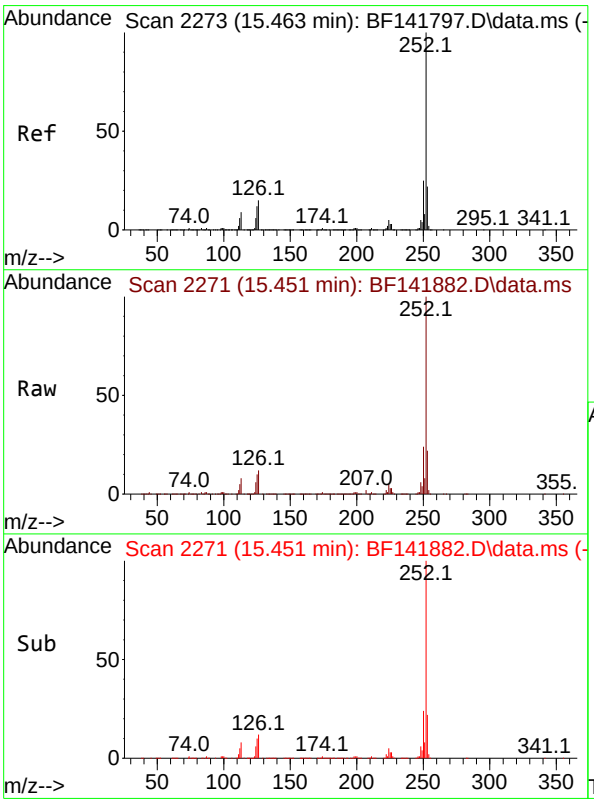
#89
Benzo(k)fluoranthene
Concen: 39.990 ng
RT: 15.110 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 906957

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	9.1	8.8	13.2

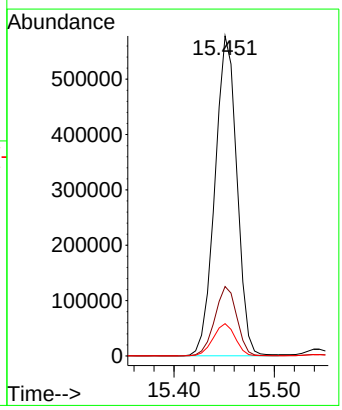


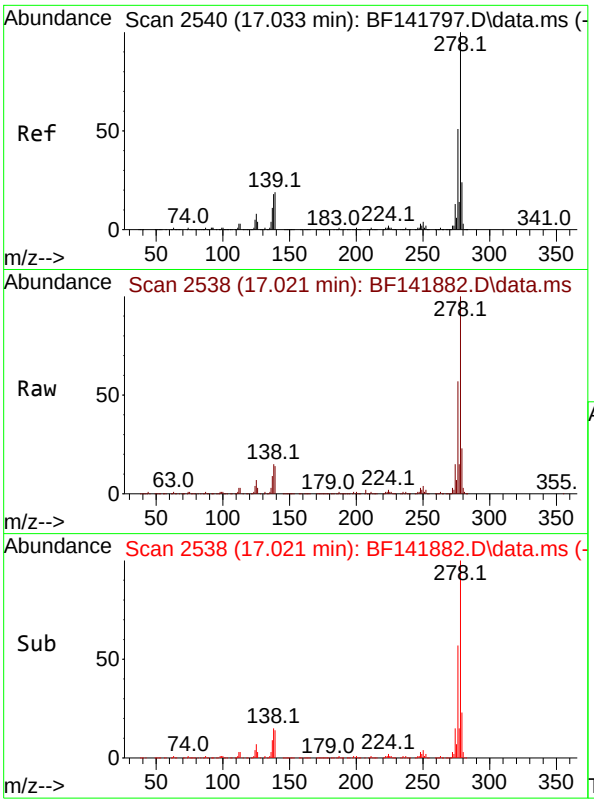


#90
Benzo(a)pyrene
Concen: 41.098 ng
RT: 15.451 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:252 Resp: 879490

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	10.1	9.4	14.2



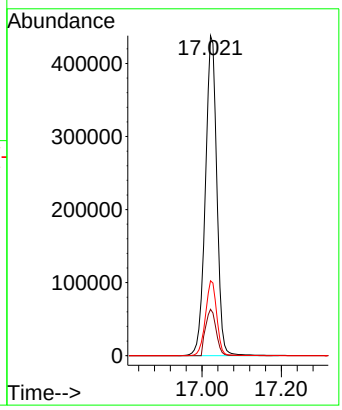


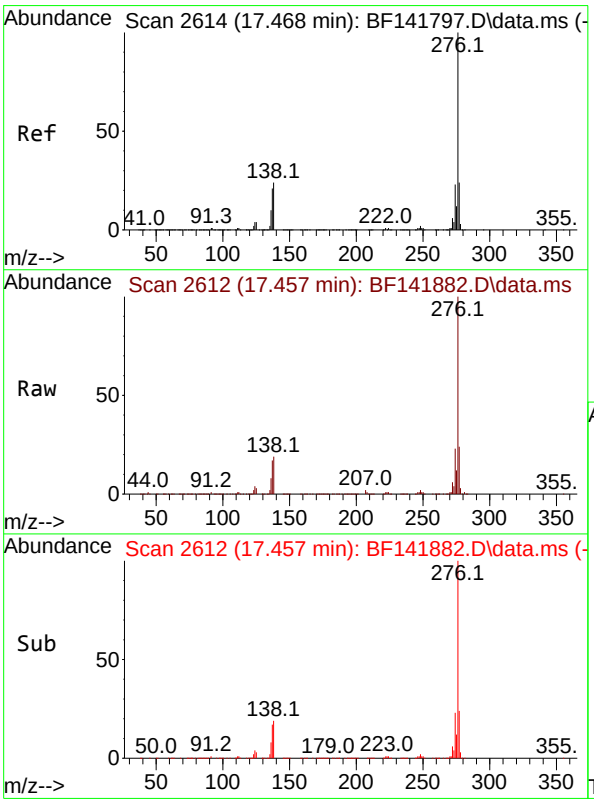
#91
Dibenzo(a,h)anthracene
Concen: 43.122 ng
RT: 17.021 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 877994

Ion	Ratio	Lower	Upper
278	100		
139	14.5	14.9	22.3#
279	23.4	19.3	28.9

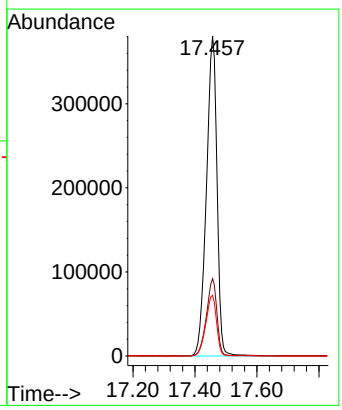




#92
Benzo(g,h,i)perylene
Concen: 43.283 ng
RT: 17.457 min Scan# 2612
Delta R.T. -0.012 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:276 Resp: 902824

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.4	29.0
138	19.0	19.3	28.9#



Evaluate Continuing Calibration Report

Sample Results: **BF141882.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141882.D
Acq On : 07 Mar 2025 08:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 07 09:59:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	71	0.00
2		1,4-Dioxane	0.568	0.546	3.9	65	0.00
3		Pyridine	1.414	1.348	4.7	65	0.00
4		n-Nitrosodimethylamine	0.680	0.652	4.1	64	0.00
5	S	2-Fluorophenol	1.252	1.256	-0.3	70	0.00
6		Aniline	1.695	1.562	7.8	62	0.00
7	S	Phenol-d6	1.630	1.579	3.1	67	0.00
8		2-Chlorophenol	1.355	1.348	0.5	68	0.00
9		Benzaldehyde	0.948	0.782	17.5	57	0.00
10	C	Phenol	1.742	1.670	4.1	65	0.00
11		bis(2-Chloroethyl)ether	1.328	1.215	8.5	65	0.00
12		1,3-Dichlorobenzene	1.451	1.464	-0.9	69	0.00
13	C	1,4-Dichlorobenzene	1.462	1.487	-1.7	70	0.00
14		1,2-Dichlorobenzene	1.365	1.385	-1.5	70	0.00
15		Benzyl Alcohol	1.303	1.274	2.2	66	0.00
16		2,2'-oxybis(1-Chloropropane	2.016	1.441	28.5#	49#	0.00
17		2-Methylphenol	1.118	1.079	3.5	66	0.00
18		Hexachloroethane	0.547	0.553	-1.1	68	0.00
19	P	n-Nitroso-di-n-propylamine	1.072	0.947	11.7	62	0.00
20		3+4-Methylphenols	1.392	1.368	1.7	68	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	68	0.00
22		Acetophenone	0.487	0.491	-0.8	67	0.00
23	S	Nitrobenzene-d5	0.313	0.378	-20.8	75	0.00
24		Nitrobenzene	0.335	0.376	-12.2	70	0.00
25		Isophorone	0.672	0.628	6.5	62	0.00
26	C	2-Nitrophenol	0.127	0.190	-49.6#	90	0.00
27		2,4-Dimethylphenol	0.247	0.249	-0.8	66	0.00
28		bis(2-Chloroethoxy)methane	0.429	0.389	9.3	61	0.00
29	C	2,4-Dichlorophenol	0.285	0.303	-6.3	69	0.00
30		1,2,4-Trichlorobenzene	0.312	0.331	-6.1	70	0.00
31		Naphthalene	1.028	1.051	-2.2	68	0.00
32		Benzoic acid	0.179	0.244	-36.3#	86	0.00
33		4-Chloroaniline	0.377	0.369	2.1	66	0.00
34	C	Hexachlorobutadiene	0.194	0.214	-10.3	73	0.00
35		Caprolactam	0.088	0.094	-6.8	69	0.00
36	C	4-Chloro-3-methylphenol	0.317	0.339	-6.9	71	0.00
37		2-Methylnaphthalene	0.674	0.681	-1.0	68	0.00
38		1-Methylnaphthalene	0.647	0.660	-2.0	69	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	68	0.00
40		1,2,4,5-Tetrachlorobenzene	0.578	0.623	-7.8	72	0.00
41	P	Hexachlorocyclopentadiene	0.241	0.262	-8.7	69	0.00
42	S	2,4,6-Tribromophenol	0.188	0.260	-38.3#	89	0.00
43	C	2,4,6-Trichlorophenol	0.373	0.408	-9.4	70	0.00
44		2,4,5-Trichlorophenol	0.369	0.436	-18.2	77	0.00
45	S	2-Fluorobiphenyl	1.247	1.329	-6.6	73	0.00
46		1,1'-Biphenyl	1.522	1.560	-2.5	70	0.00
47		2-Chloronaphthalene	1.124	1.171	-4.2	70	0.00

Sample Results: **BF141882.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141882.D
Acq On : 07 Mar 2025 08:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 07 09:59:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.260	0.365	-40.4#	83	0.00
49		Acenaphthylene	1.685	1.745	-3.6	69	0.00
50		Dimethylphthalate	1.339	1.407	-5.1	70	0.00
51		2,6-Dinitrotoluene	0.226	0.311	-37.6#	82	0.00
52	C	Acenaphthene	1.137	1.254	-10.3	74	0.00
53		3-Nitroaniline	0.241	0.329	-36.5#	81	0.00
54	P	2,4-Dinitrophenol	0.089	0.177	-98.9#	130	0.00
55		Dibenzofuran	1.654	1.704	-3.0	70	0.00
56	P	4-Nitrophenol	0.198	0.275	-38.9#	82	0.00
57		2,4-Dinitrotoluene	0.269	0.415	-54.3#	90	0.00
58		Fluorene	1.239	1.331	-7.4	74	0.00
59		2,3,4,6-Tetrachlorophenol	0.321	0.383	-19.3	77	0.00
60		Diethylphthalate	1.343	1.408	-4.8	69	-0.01
61		4-Chlorophenyl-phenylether	0.621	0.678	-9.2	74	0.00
62		4-Nitroaniline	0.229	0.328	-43.2#	83	0.00
63		Azobenzene	1.414	1.333	5.7	63	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	70	0.00
65		4,6-Dinitro-2-methylphenol	0.081	0.140	-72.8#	114	0.00
66	c	n-Nitrosodiphenylamine	0.657	0.661	-0.6	70	0.00
67		4-Bromophenyl-phenylether	0.234	0.251	-7.3	74	0.00
68		Hexachlorobenzene	0.247	0.280	-13.4	78	0.00
69		Atrazine	0.181	0.156	13.8	61	0.00
70	C	Pentachlorophenol	0.156	0.195	-25.0#	82	0.00
71		Phenanthrene	1.070	1.122	-4.9	73	0.00
72		Anthracene	1.072	1.121	-4.6	74	0.00
73		Carbazole	0.947	1.010	-6.7	74	0.00
74		Di-n-butylphthalate	1.200	1.226	-2.2	71	-0.01
75	C	Fluoranthene	1.096	1.201	-9.6	77	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	78	0.00
77		Benzidine	0.252	0.342	-35.7#	103	0.00
78		Pyrene	1.732	1.786	-3.1	77	0.00
79	S	Terphenyl-d14	1.236	1.349	-9.1	83	0.00
80		Butylbenzylphthalate	0.629	0.689	-9.5	80	-0.01
81		Benzo(a)anthracene	1.321	1.341	-1.5	80	0.00
82		3,3'-Dichlorobenzidine	0.379	0.397	-4.7	79	-0.01
83		Chrysene	1.218	1.243	-2.1	77	0.00
84		Bis(2-ethylhexyl)phthalate	0.783	0.884	-12.9	83	-0.01
85	c	Di-n-octyl phthalate	1.173	1.194	-1.8	71	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	69	0.00
87		Indeno(1,2,3-cd)pyrene	1.274	1.374	-7.8	70	-0.01
88		Benzo(b)fluoranthene	1.362	1.434	-5.3	76	-0.01
89		Benzo(k)fluoranthene	1.158	1.158	0.0	66	-0.01
90	C	Benzo(a)pyrene	1.093	1.123	-2.7	69	-0.01
91		Dibenzo(a,h)anthracene	1.040	1.121	-7.8	70	-0.01
92		Benzo(g,h,i)perylene	1.065	1.152	-8.2	70	-0.01

Sample Results: **BF141882.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141882.D
Acq On : 07 Mar 2025 08:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 07 09:59:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 2

Sample Results: **BF141882.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141882.D
Acq On : 07 Mar 2025 08:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 07 09:59:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	71	0.00
2		1,4-Dioxane	40.000	38.402	4.0	65	0.00
3		Pyridine	40.000	38.149	4.6	65	0.00
4		n-Nitrosodimethylamine	40.000	38.344	4.1	64	0.00
5	S	2-Fluorophenol	80.000	80.217	-0.3	70	0.00
6		Aniline	40.000	36.857	7.9	62	0.00
7	S	Phenol-d6	80.000	77.483	3.1	67	0.00
8		2-Chlorophenol	40.000	39.810	0.5	68	0.00
9		Benzaldehyde	40.000	32.976	17.6	57	0.00
10	C	Phenol	40.000	38.350	4.1	65	0.00
11		bis(2-Chloroethyl)ether	40.000	36.600	8.5	65	0.00
12		1,3-Dichlorobenzene	40.000	40.364	-0.9	69	0.00
13	C	1,4-Dichlorobenzene	40.000	40.677	-1.7	70	0.00
14		1,2-Dichlorobenzene	40.000	40.575	-1.4	70	0.00
15		Benzyl Alcohol	40.000	39.112	2.2	66	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	28.578	28.6#	49	0.00
17		2-Methylphenol	40.000	38.580	3.6	66	0.00
18		Hexachloroethane	40.000	40.401	-1.0	68	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	35.361	11.6	62	0.00
20		3+4-Methylphenols	40.000	39.298	1.8	68	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	68	0.00
22		Acetophenone	40.000	40.296	-0.7	67	0.00
23	S	Nitrobenzene-d5	80.000	96.733	-20.9	75	0.00
24		Nitrobenzene	40.000	44.877	-12.2	70	0.00
25		Isophorone	40.000	37.378	6.6	62	0.00
26	C	2-Nitrophenol	40.000	50.577	-26.4#	90	0.00
27		2,4-Dimethylphenol	40.000	40.322	-0.8	66	0.00
28		bis(2-Chloroethoxy)methane	40.000	36.287	9.3	61	0.00
29	C	2,4-Dichlorophenol	40.000	42.576	-6.4	69	0.00
30		1,2,4-Trichlorobenzene	40.000	42.442	-6.1	70	0.00
31		Naphthalene	40.000	40.885	-2.2	68	0.00
32		Benzoic acid	40.000	47.436	-18.6	86	0.00
33		4-Chloroaniline	40.000	39.191	2.0	66	0.00
34	C	Hexachlorobutadiene	40.000	44.100	-10.3	73	0.00
35		Caprolactam	40.000	42.679	-6.7	69	0.00
36	C	4-Chloro-3-methylphenol	40.000	42.828	-7.1	71	0.00
37		2-Methylnaphthalene	40.000	40.403	-1.0	68	0.00
38		1-Methylnaphthalene	40.000	40.781	-2.0	69	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	68	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	43.129	-7.8	72	0.00
41	P	Hexachlorocyclopentadiene	40.000	43.507	-8.8	69	0.00
42	S	2,4,6-Tribromophenol	80.000	110.979	-38.7#	89	0.00
43	C	2,4,6-Trichlorophenol	40.000	43.751	-9.4	70	0.00
44		2,4,5-Trichlorophenol	40.000	47.207	-18.0	77	0.00
45	S	2-Fluorobiphenyl	80.000	85.212	-6.5	73	0.00
46		1,1'-Biphenyl	40.000	40.983	-2.5	70	0.00
47		2-Chloronaphthalene	40.000	41.702	-4.3	70	0.00

Sample Results: **BF141882.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141882.D
Acq On : 07 Mar 2025 08:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 07 09:59:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	47.578	-18.9	83	0.00
49		Acenaphthylene	40.000	41.425	-3.6	69	0.00
50		Dimethylphthalate	40.000	42.024	-5.1	70	0.00
51		2,6-Dinitrotoluene	40.000	48.466	-21.2	82	0.00
52	C	Acenaphthene	40.000	44.141	-10.4	74	0.00
53		3-Nitroaniline	40.000	48.270	-20.7	81	0.00
54	P	2,4-Dinitrophenol	40.000	64.789	-62.0#	130	0.00
55		Dibenzofuran	40.000	41.199	-3.0	70	0.00
56	P	4-Nitrophenol	40.000	55.625	-39.1#	82	0.00
57		2,4-Dinitrotoluene	40.000	52.617	-31.5#	90	0.00
58		Fluorene	40.000	42.973	-7.4	74	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	47.692	-19.2	77	0.00
60		Diethylphthalate	40.000	41.951	-4.9	69	-0.01
61		4-Chlorophenyl-phenylether	40.000	43.684	-9.2	74	0.00
62		4-Nitroaniline	40.000	57.344	-43.4#	83	0.00
63		Azobenzene	40.000	37.727	5.7	63	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	70	0.00
65		4,6-Dinitro-2-methylphenol	40.000	57.660	-44.1#	114	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.261	-0.7	70	0.00
67		4-Bromophenyl-phenylether	40.000	42.900	-7.2	74	0.00
68		Hexachlorobenzene	40.000	45.366	-13.4	78	0.00
69		Atrazine	40.000	34.487	13.8	61	0.00
70	C	Pentachlorophenol	40.000	49.971	-24.9#	82	0.00
71		Phenanthrene	40.000	41.941	-4.9	73	0.00
72		Anthracene	40.000	41.818	-4.5	74	0.00
73		Carbazole	40.000	42.664	-6.7	74	0.00
74		Di-n-butylphthalate	40.000	40.848	-2.1	71	-0.01
75	C	Fluoranthene	40.000	43.809	-9.5	77	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	78	0.00
77		Benzidine	40.000	54.265	-35.7#	103	0.00
78		Pyrene	40.000	41.240	-3.1	77	0.00
79	S	Terphenyl-d14	80.000	87.300	-9.1	83	0.00
80		Butylbenzylphthalate	40.000	43.806	-9.5	80	-0.01
81		Benzo(a)anthracene	40.000	40.602	-1.5	80	0.00
82		3,3'-Dichlorobenzidine	40.000	41.897	-4.7	79	-0.01
83		Chrysene	40.000	40.821	-2.1	77	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	45.141	-12.9	83	-0.01
85	c	Di-n-octyl phthalate	40.000	40.729	-1.8	71	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	69	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	43.142	-7.9	70	-0.01
88		Benzo(b)fluoranthene	40.000	42.113	-5.3	76	-0.01
89		Benzo(k)fluoranthene	40.000	39.990	0.0	66	-0.01
90	C	Benzo(a)pyrene	40.000	41.098	-2.7	69	-0.01
91		Dibenzo(a,h)anthracene	40.000	43.122	-7.8	70	-0.01
92		Benzo(g,h,i)perylene	40.000	43.283	-8.2	70	-0.01

Sample Results: **BF141882.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141882.D
Acq On : 07 Mar 2025 08:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 07 09:59:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 2

QC SAMPLE DATA

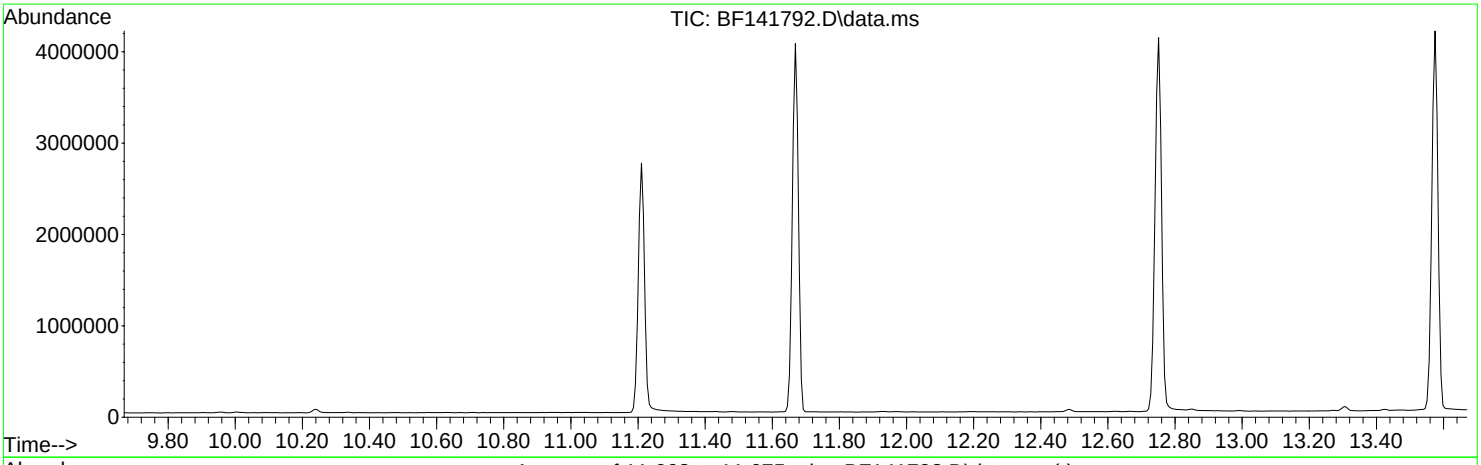
Sample Results: **BF141792.D**

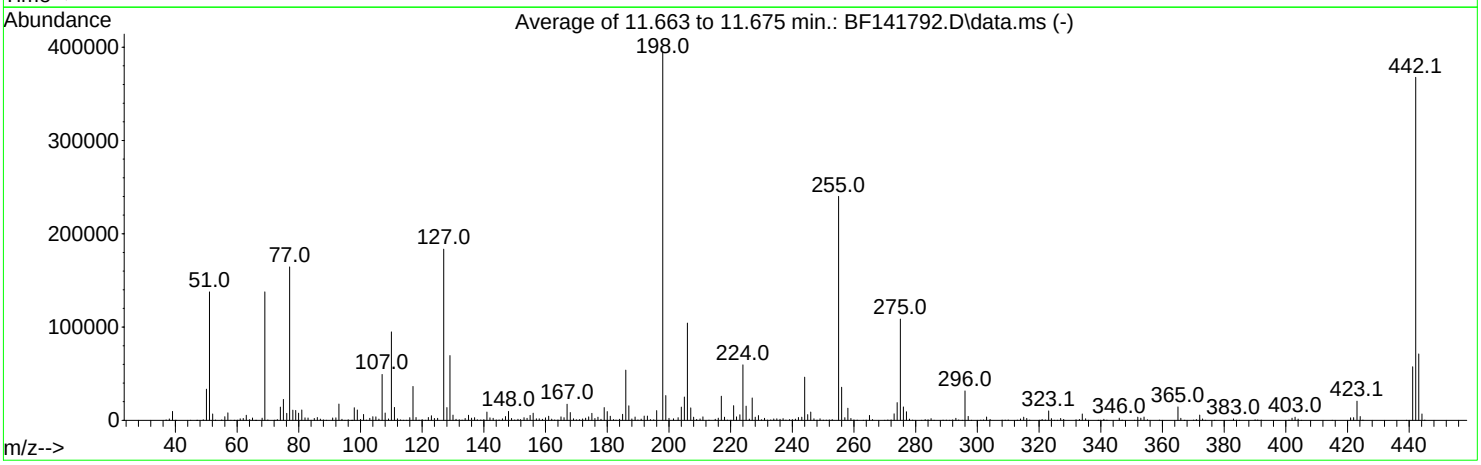
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141792.D
Acq On : 27 Feb 2025 14:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Feb 28 01:48:16 2025





AutoFind: Scans 1627, 1628, 1629; Background Corrected with Scan 1620

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	34.9	137699	PASS
68	69	0.00	2	1.7	2348	PASS
69	198	0.00	100	34.9	137773	PASS
70	69	0.00	2	0.4	593	PASS
127	198	10	80	46.5	183483	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	394304	PASS
199	198	5	9	6.7	26613	PASS
275	198	10	60	27.6	108637	PASS
365	198	1	100	3.7	14499	PASS
441	198	0.01	100	14.6	57517	PASS
442	442	50	100	100.0	367680	PASS
443	442	15	24	19.4	71267	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
2/27/2025	BNA_F	BF141792.D
Compound Name	**Response**	**Retention Time**
DDT	938485	13.575
DDD	9936	13.304
DDE	0	12.827
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
9936	948421	1.05

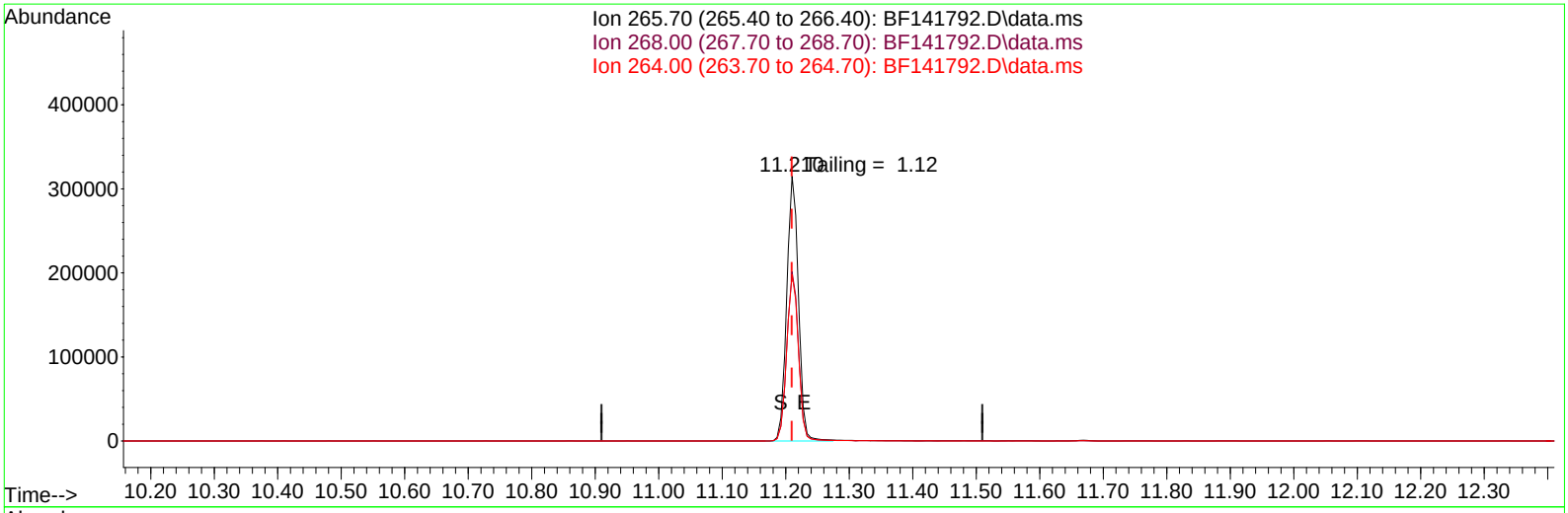
Instrument :
BNA_F
ClientSampleId :
DFTPP

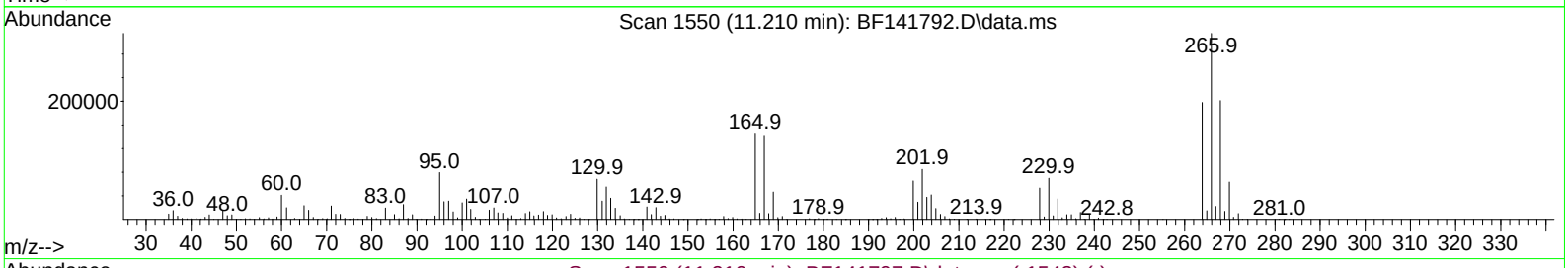
Sample Results: **BF141792.D**

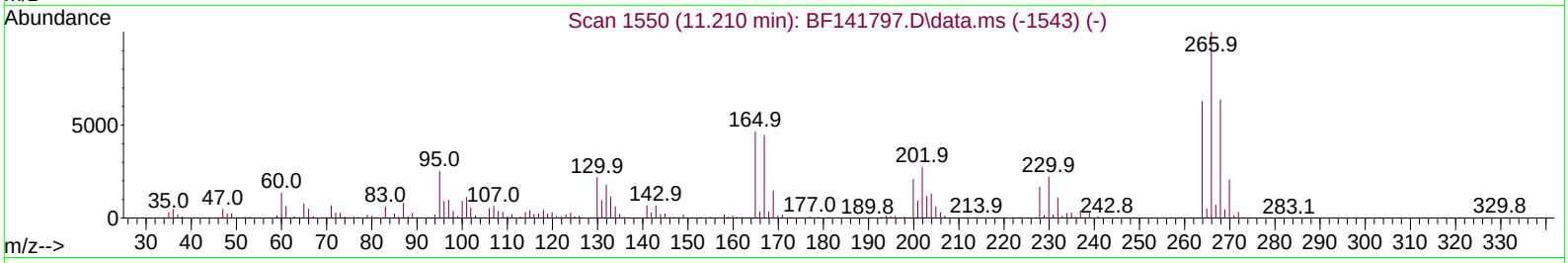
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141792.D
Acq On : 27 Feb 2025 14:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 28 01:59:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration







TIC: BF141792.D\data.ms

(70) Pentachlorophenol (C)

11.210min (-0.000) 55299.21 ng

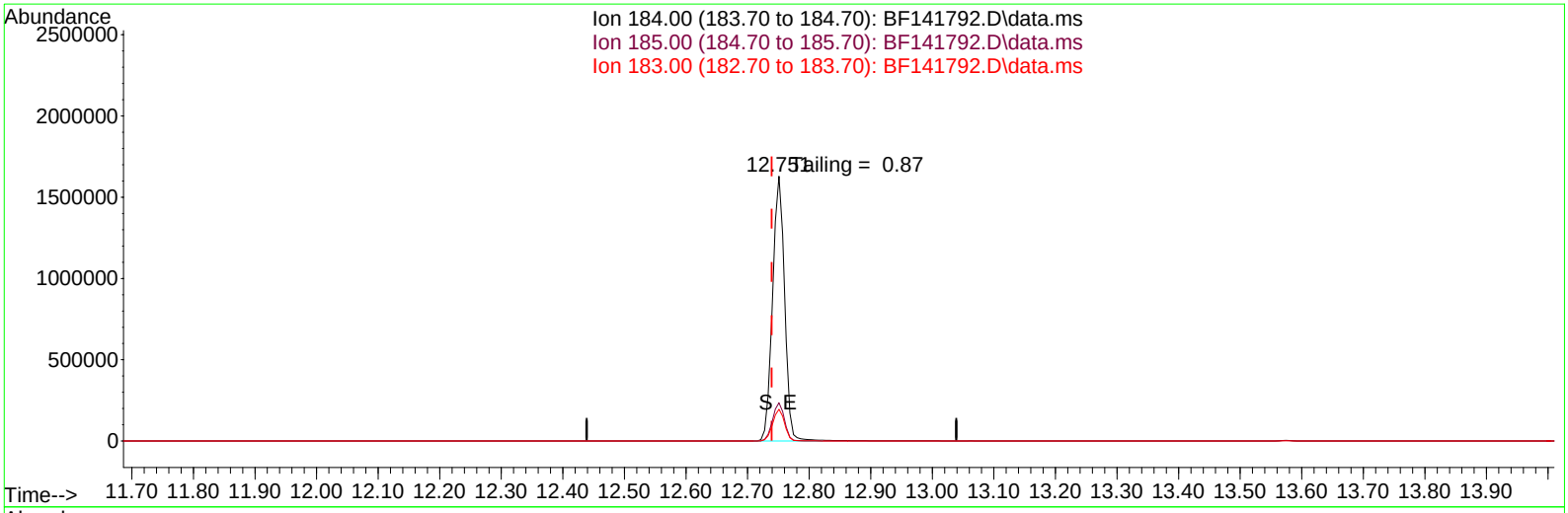
response 409665

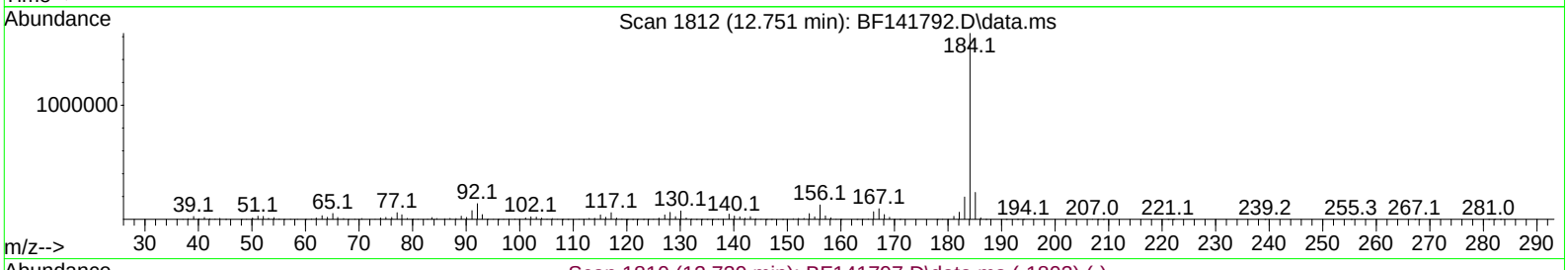
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.60	63.84
264.00	62.80	62.85
0.00	0.00	0.00

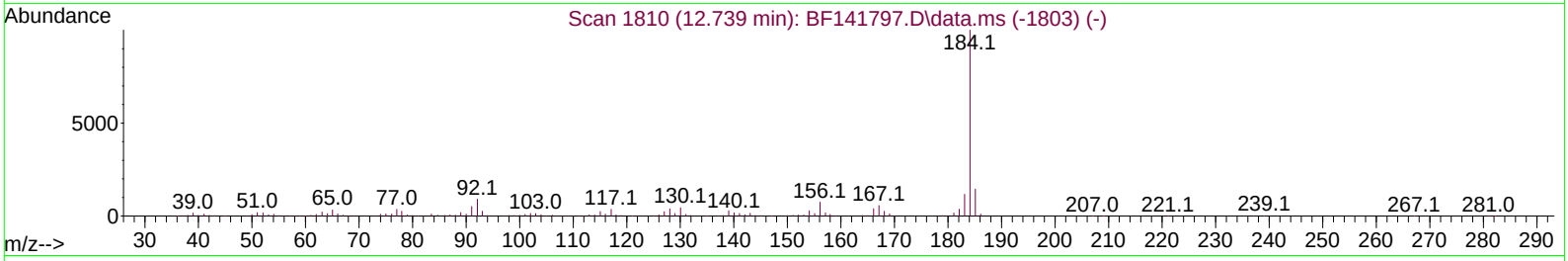
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141792.D
Acq On : 27 Feb 2025 14:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 28 01:59:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration







TIC: BF141792.D\data.ms

(77) Benzidine

12.751min (+ 0.012) 190021.56 ng

response 2231445

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	14.44
183.00	11.70	11.98
0.00	0.00	0.00

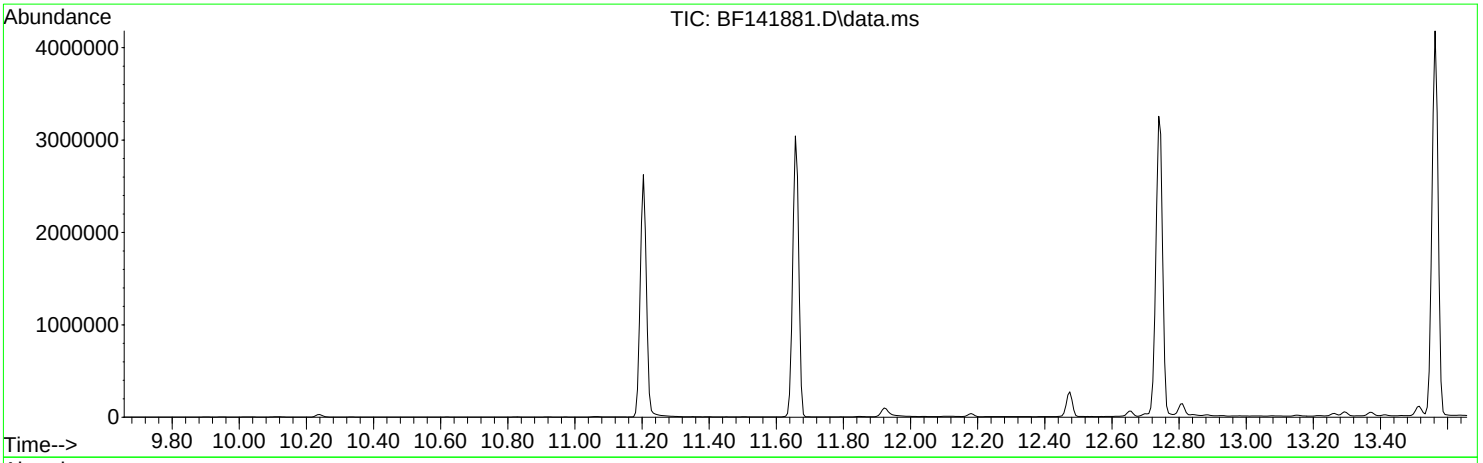
Sample Results: **BF141881.D**

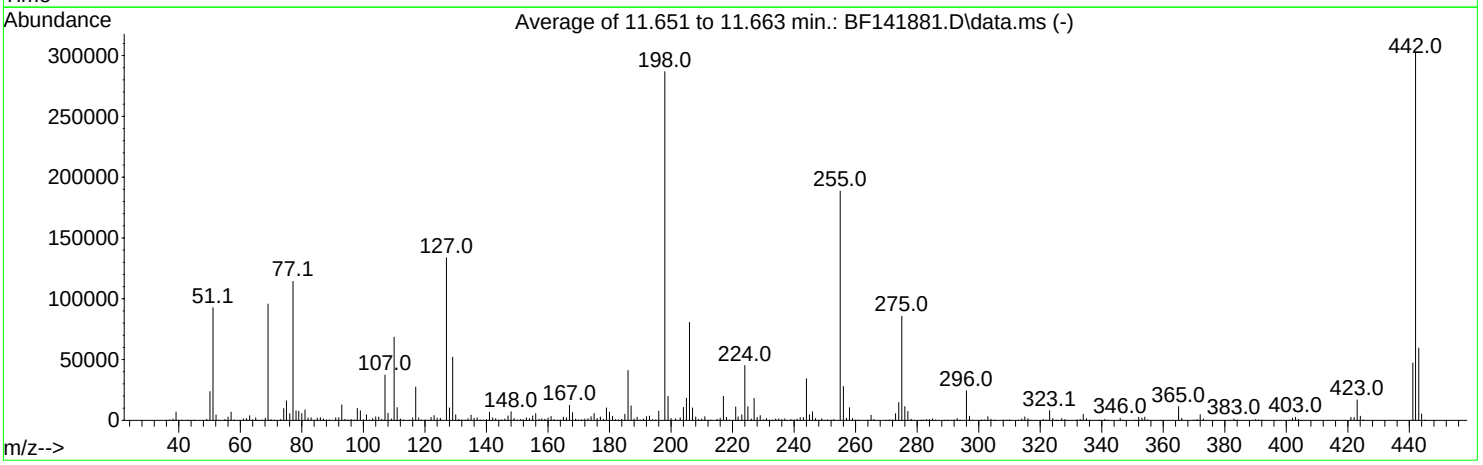
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141881.D
Acq On : 07 Mar 2025 08:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Feb 28 01:48:16 2025





AutoFind: Scans 1625, 1626, 1627; Background Corrected with Scan 1618

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	32.3	92640	PASS
68	69	0.00	2	2.0	1892	PASS
69	198	0.00	100	33.4	95707	PASS
70	69	0.00	2	0.8	730	PASS
127	198	10	80	46.6	133723	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	286869	PASS
199	198	5	9	6.9	19893	PASS
275	198	10	60	29.9	85757	PASS
365	198	1	100	4.0	11387	PASS
441	198	0.01	100	16.5	47280	PASS
442	442	50	100	100.0	302571	PASS
443	442	15	24	19.7	59485	PASS

DDT Breakdown

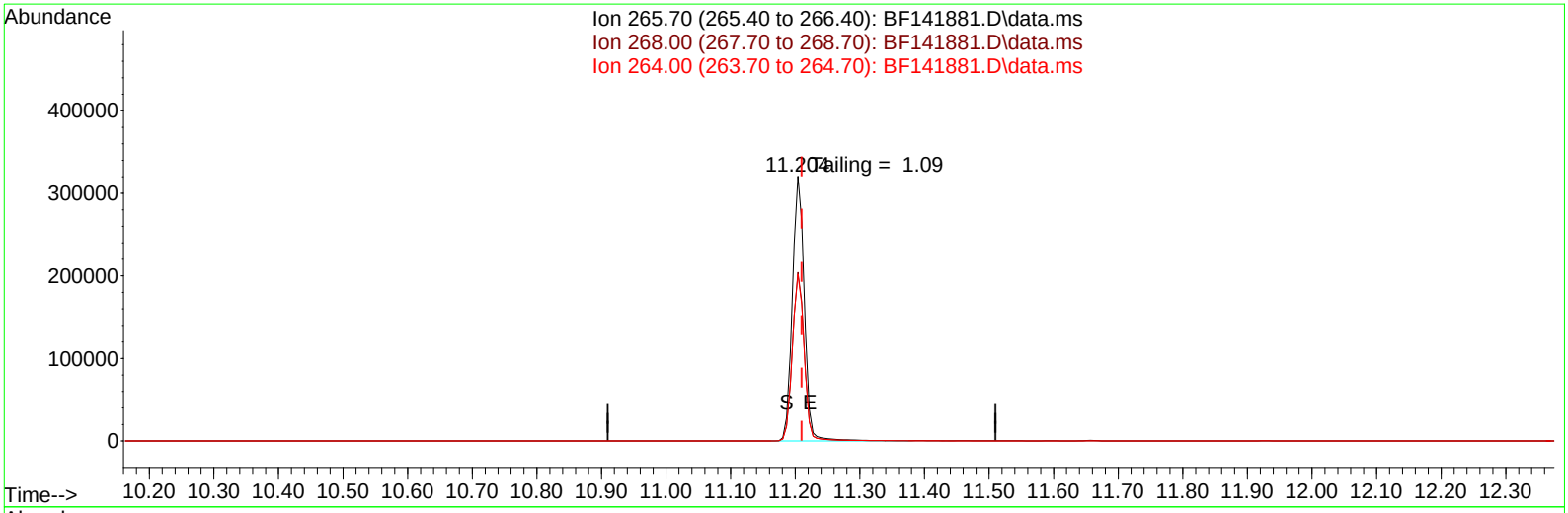
Date	Instrument Name	DFTPP Data File
3/7/2025	BNA_F	BF141881.D
Compound Name	**Response**	**Retention Time**
DDT	1053294	13.563
DDD	17562	13.292
DDE	1240	12.927
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
18802	1072096	1.75

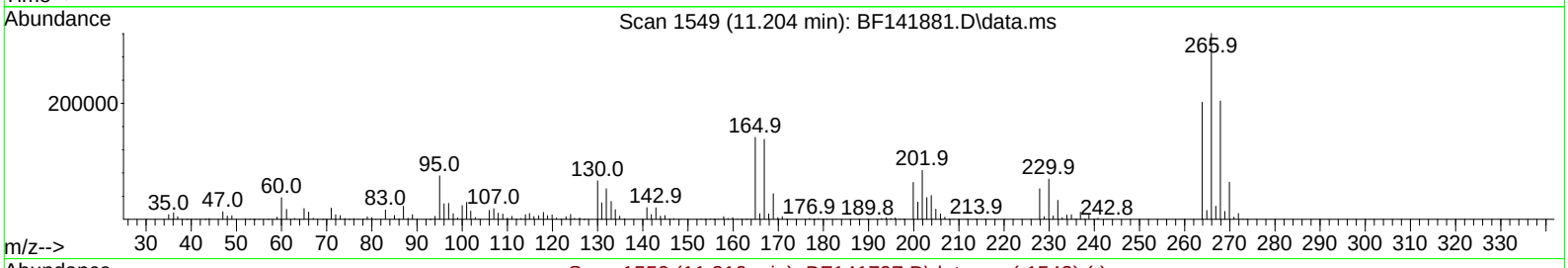
Instrument :
BNA_F
ClientSampleId :
DFTPP

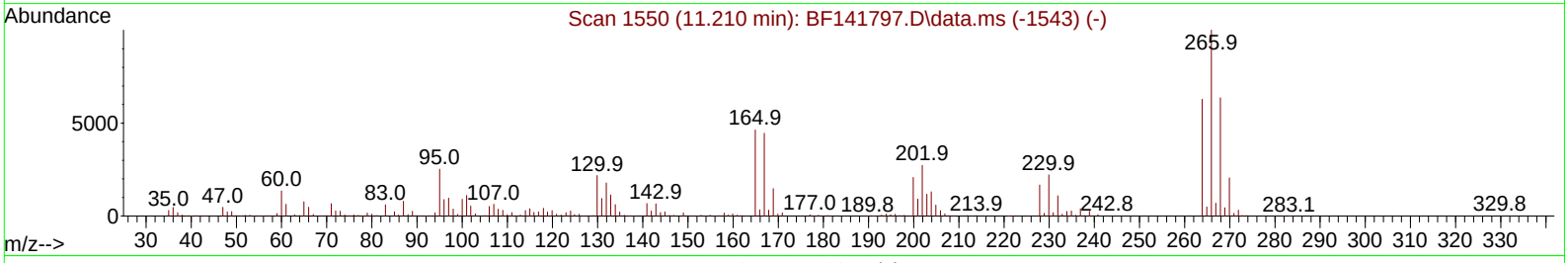
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141881.D
Acq On : 07 Mar 2025 08:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 07 09:59:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration







TIC: BF141881.D\data.ms

(70) Pentachlorophenol (C)

11.204min (-0.006) 136401.80 ng

response 416145

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.60	63.68
264.00	62.80	62.88
0.00	0.00	0.00

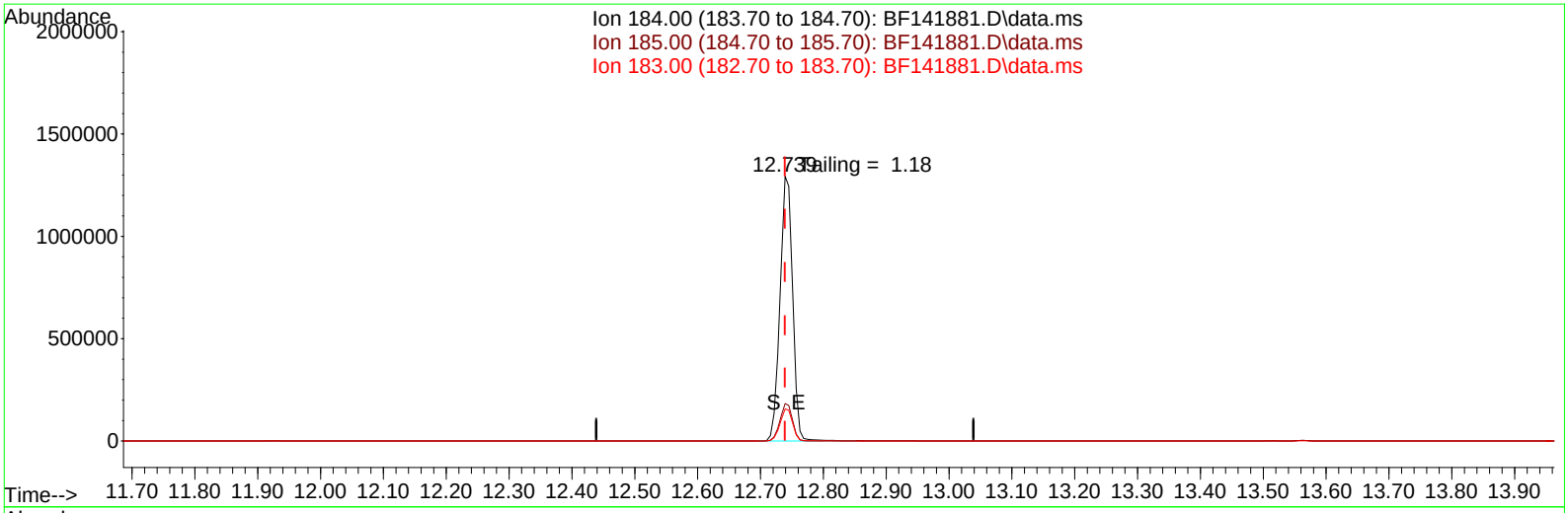
Quantitation Report (Qedit)

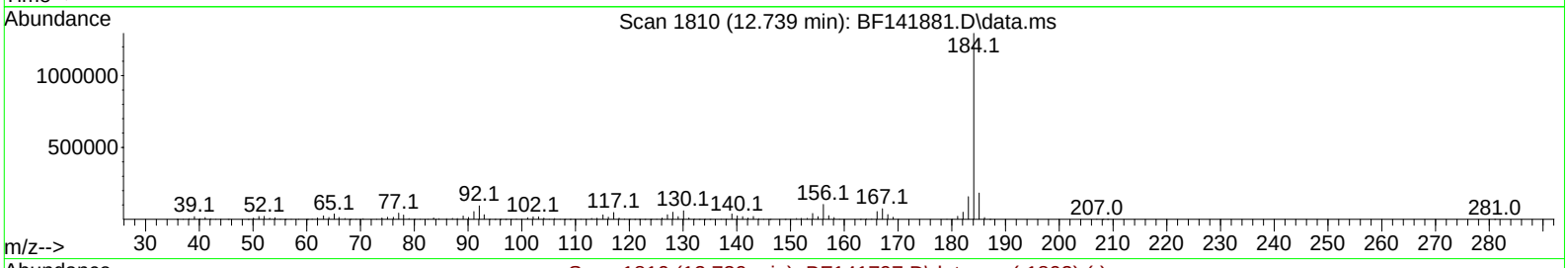
Sample Results: **BF141881.D**

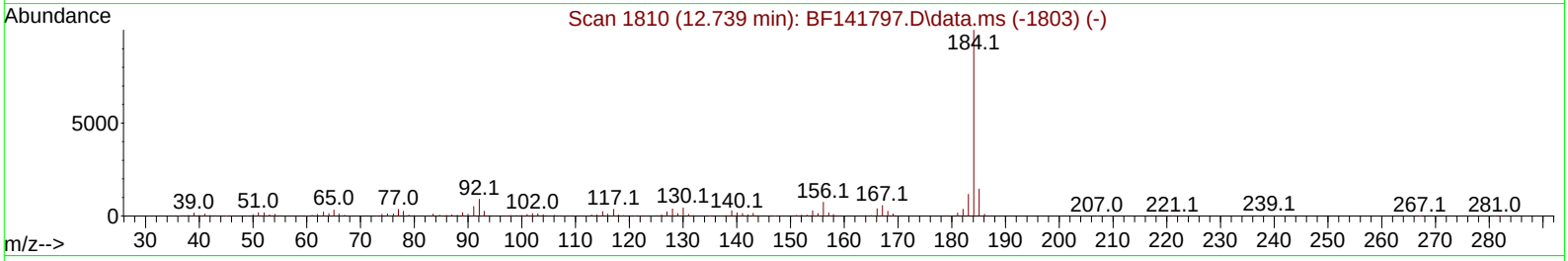
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141881.D
Acq On : 07 Mar 2025 08:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 07 09:59:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration







TIC: BF141881.D\data.ms

(77) Benzidine

12.739min (+ 0.000) 161104.25 ng

response 1816840

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	14.17
183.00	11.70	12.15
0.00	0.00	0.00

Raw Data: **BF141883.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	
Client Sample ID:	PB167016BL	SDG No.:	Q1478
Lab Sample ID:	PB167016BL	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF141883.D	1	03/05/25 13:00	03/07/25 09:26	PB167016

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.60	U	1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	129		15 (10) - 110 (139)	86%	SPK: 150
13127-88-3	Phenol-d6	122		15 (10) - 110 (134)	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	107		30 (49) - 130 (133)	107%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.1		30 (52) - 130 (132)	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	182	*	15 (44) - 110 (137)	121%	SPK: 150
1718-51-0	Terphenyl-d14	84.2		30 (48) - 130 (125)	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	178000	6.881			
1146-65-2	Naphthalene-d8	706000	8.163			
15067-26-2	Acenaphthene-d10	393000	9.916			
1517-22-2	Phenanthrene-d10	712000	11.404			
1719-03-5	Chrysene-d12	610000	14.039			
1520-96-3	Perylene-d12	477000	15.51			

Raw Data: **BF141883.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	
Client Sample ID:	PB167016BL	SDG No.:	Q1478
Lab Sample ID:	PB167016BL	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF141883.D	1	03/05/25 13:00	03/07/25 09:26	PB167016

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\BF030725\
Data File : BF141883.D
Acq On : 07 Mar 2025 09:26
Operator : RC/JU
Sample : PB167016BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167016BL

Quant Time: Mar 07 10:00:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	178277	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	706438	20.000	ng	#-0.01
39) Acenaphthene-d10	9.916	164	393220	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	712186	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	610478	20.000	ng	-0.01
86) Perylene-d12	15.510	264	476523	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1443849	129.339	ng	0.01
7) Phenol-d6	6.504	99	1765527	121.509	ng	0.00
23) Nitrobenzene-d5	7.445	82	1186795	107.384	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	671746	181.965	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	2307655	94.100	ng	0.00
79) Terphenyl-d14	12.992	244	3176733	84.191	ng	0.00
Target Compounds						Qvalue

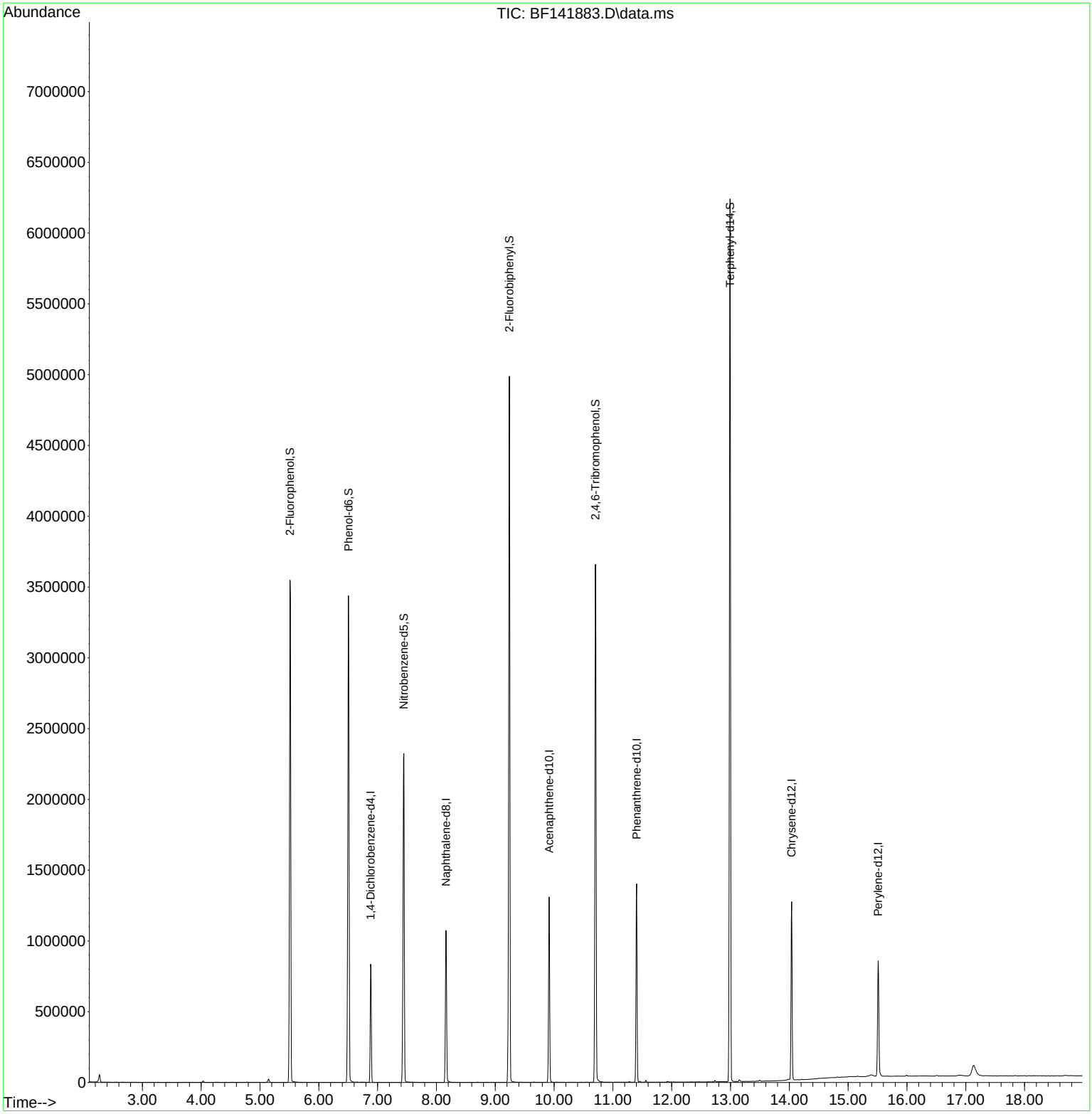
(#) = qualifier out of range (m) = manual integration (+) = signals summed

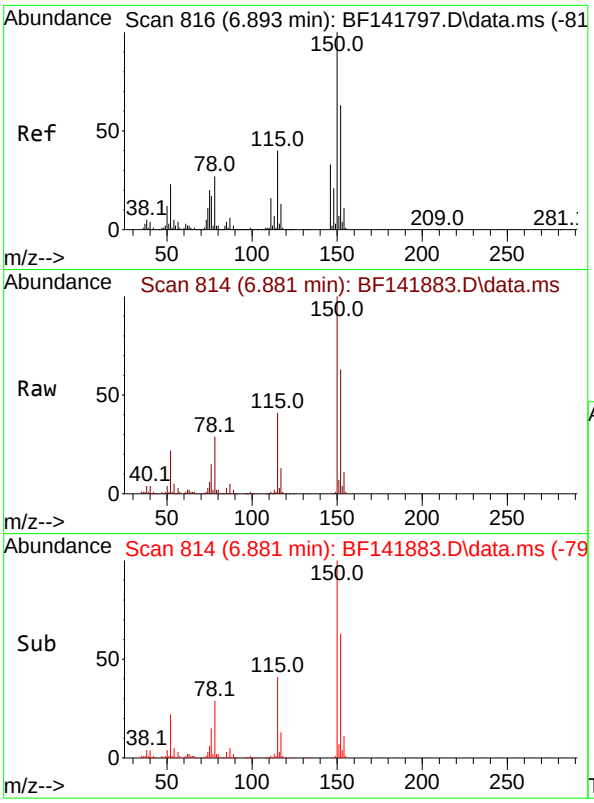
Sample Results: **BF141883.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141883.D
Acq On : 07 Mar 2025 09:26
Operator : RC/JU
Sample : PB167016BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167016BL

Quant Time: Mar 07 10:00:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration



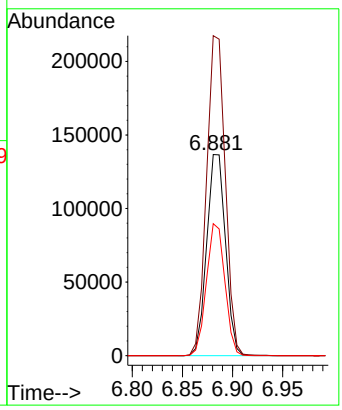


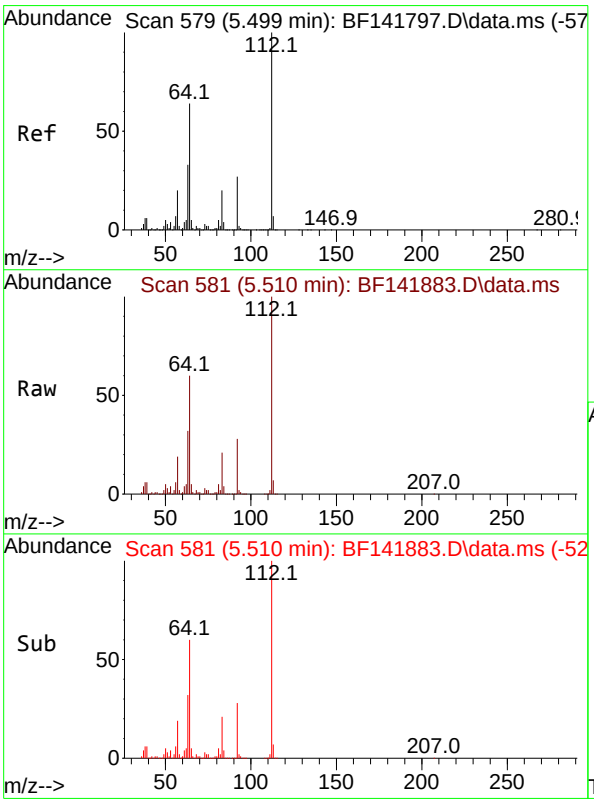
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141883.D
Acq: 07 Mar 2025 09:26

Instrument :
BNA_F
ClientSampleId :
PB167016BL

Tgt Ion:152 Resp: 178277

Ion	Ratio	Lower	Upper
152	100		
150	159.1	127.5	191.3
115	65.6	51.4	77.2

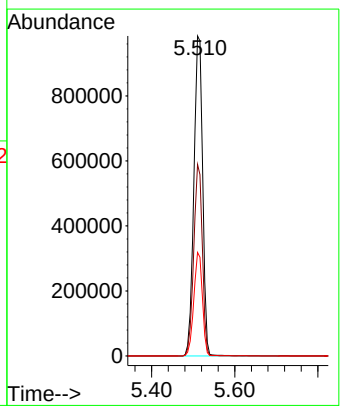


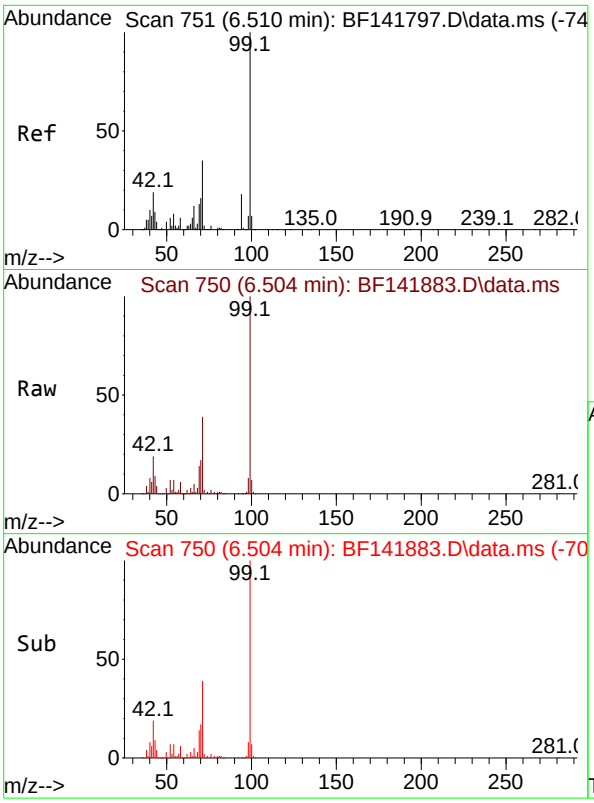


#5
2-Fluorophenol
Concen: 129.339 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF141883.D
Acq: 07 Mar 2025 09:26

Tgt Ion:112 Resp: 1443849

Ion	Ratio	Lower	Upper
112	100		
64	59.9	51.3	76.9
63	32.4	26.2	39.4



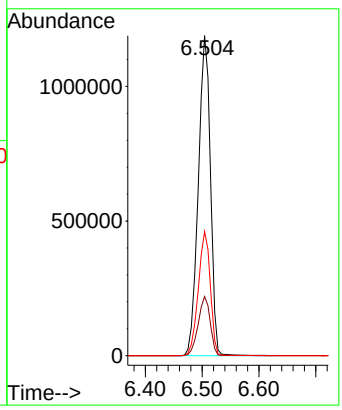


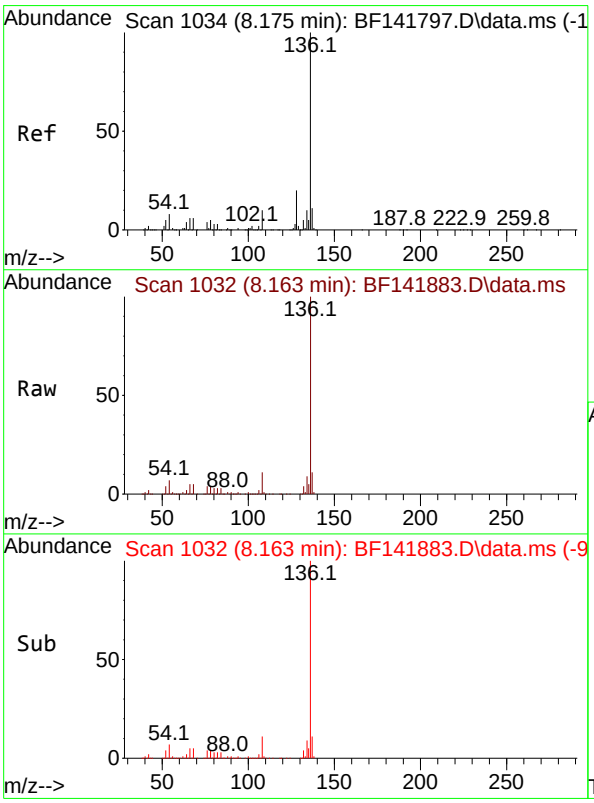
#7
Phenol-d6
Concen: 121.509 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141883.D
Acq: 07 Mar 2025 09:26

Instrument :
BNA_F
ClientSampleId :
PB167016BL

Tgt Ion: 99 Resp: 1765527

Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.2	22.8
71	38.8	28.2	42.2

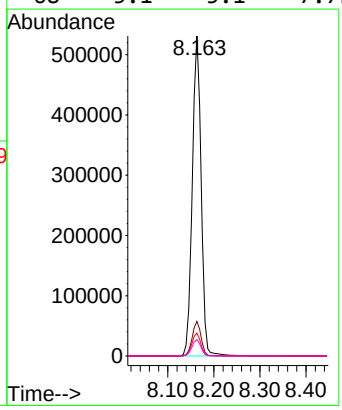


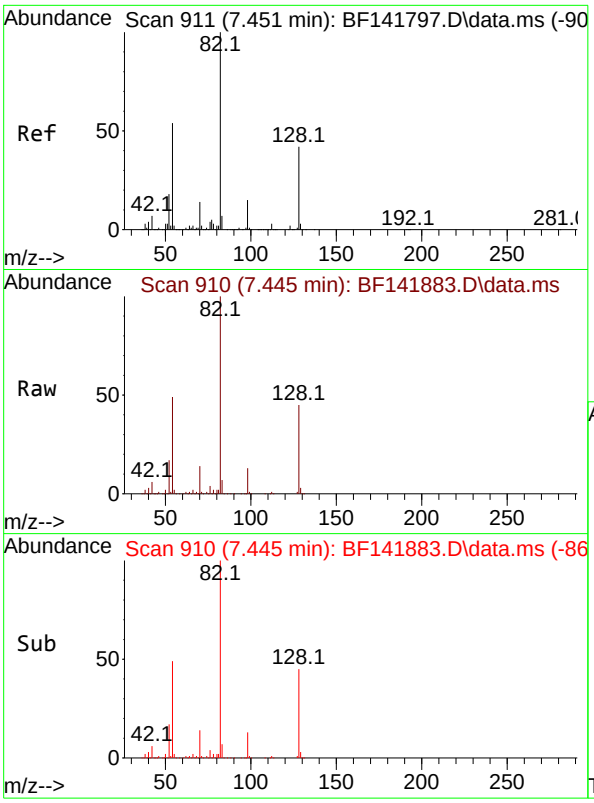


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141883.D
Acq: 07 Mar 2025 09:26

Tgt Ion:136 Resp: 706438

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.1	6.9	10.3
68	5.1	5.1	7.7#



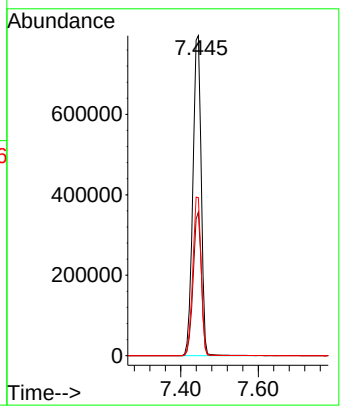


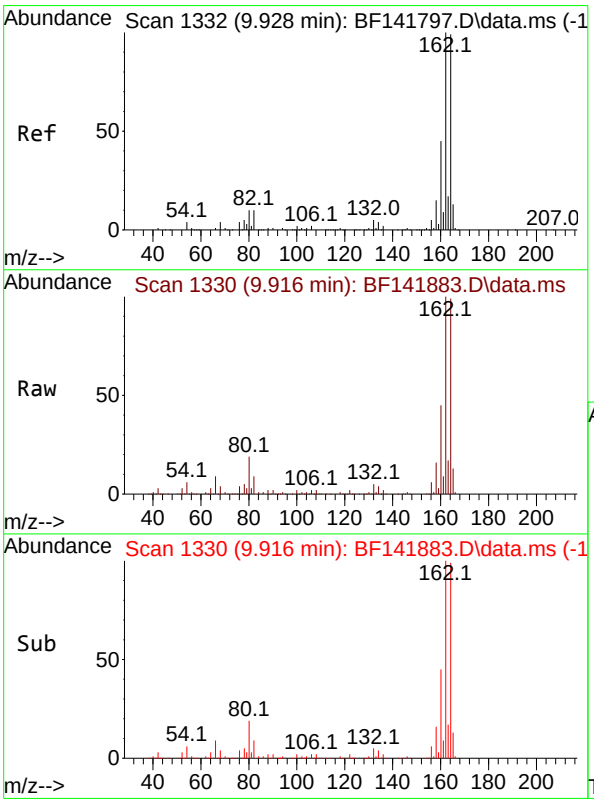
#23
Nitrobenzene-d5
Concen: 107.384 ng
RT: 7.445 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141883.D
Acq: 07 Mar 2025 09:26

Instrument :
BNA_F
ClientSampleId :
PB167016BL

Tgt Ion: 82 Resp: 1186795

Ion	Ratio	Lower	Upper
82	100		
128	44.9	33.5	50.3
54	49.4	42.7	64.1

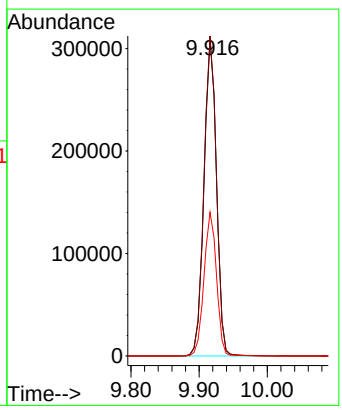


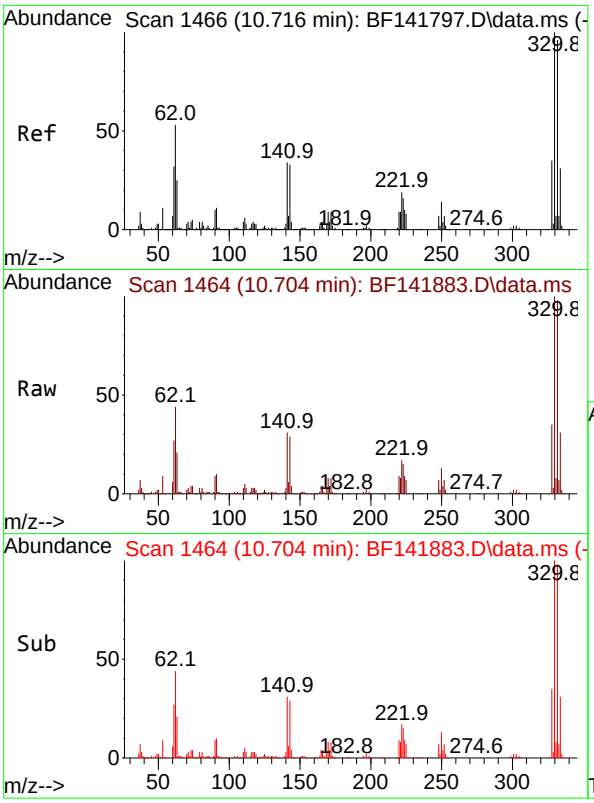


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.012 min
Lab File: BF141883.D
Acq: 07 Mar 2025 09:26

Tgt Ion:164 Resp: 393220

Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.6	120.8
160	45.4	36.3	54.5



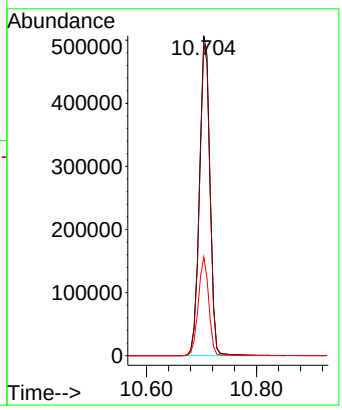


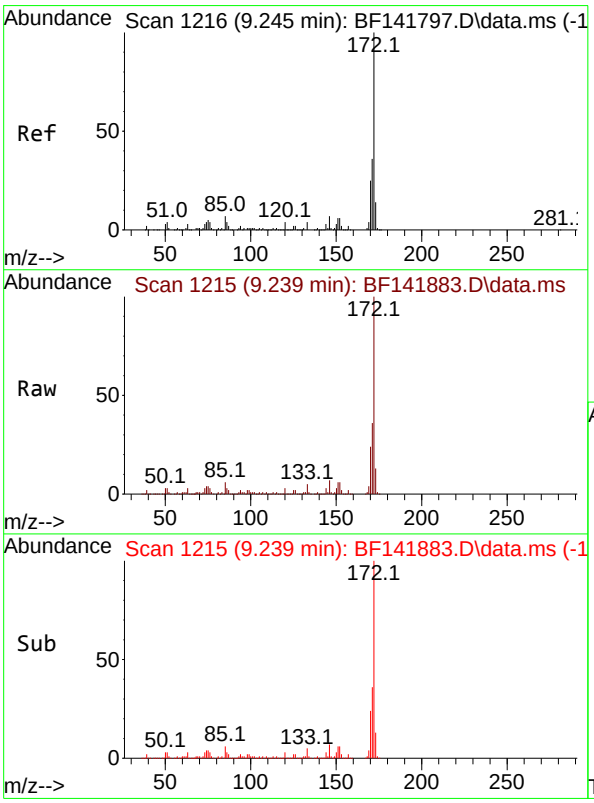
#42
2,4,6-Tribromophenol
Concen: 181.965 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141883.D
Acq: 07 Mar 2025 09:26

Instrument :
BNA_F
ClientSampleId :
PB167016BL

Tgt Ion:330 Resp: 671746

Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.6	115.0
141	30.8	29.0	43.4

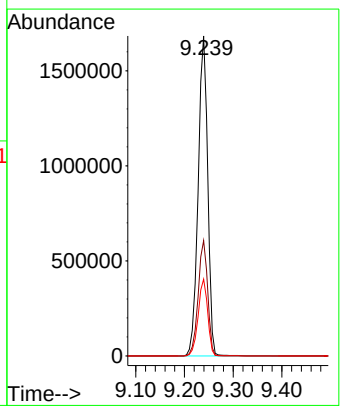


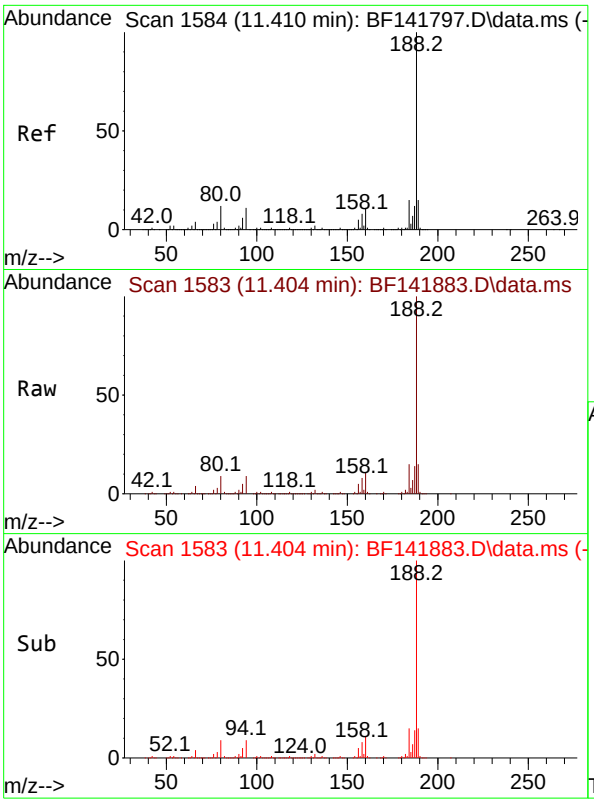


#45
2-Fluorobiphenyl
Concen: 94.100 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF141883.D
Acq: 07 Mar 2025 09:26

Tgt Ion:172 Resp: 2307655

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.2	43.8
170	24.0	19.7	29.5



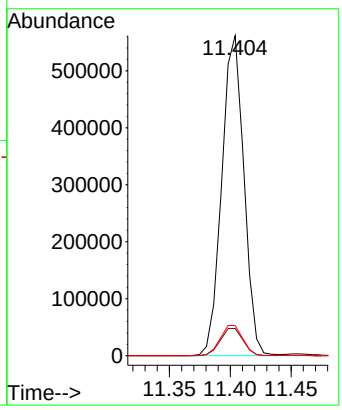


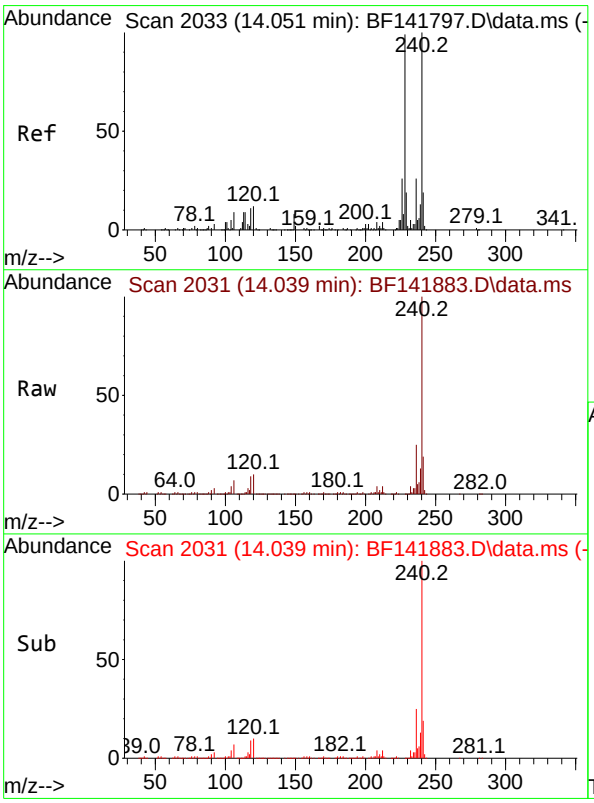
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141883.D
Acq: 07 Mar 2025 09:26

Instrument :
BNA_F
ClientSampleId :
PB167016BL

Tgt Ion:188 Resp: 712186

Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.9	13.3#
80	9.4	9.7	14.5#

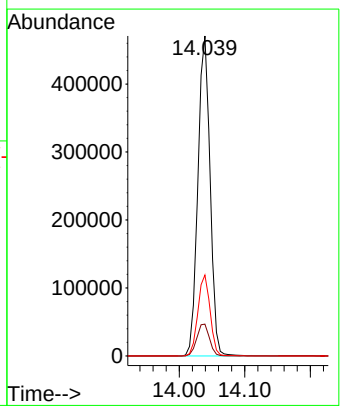


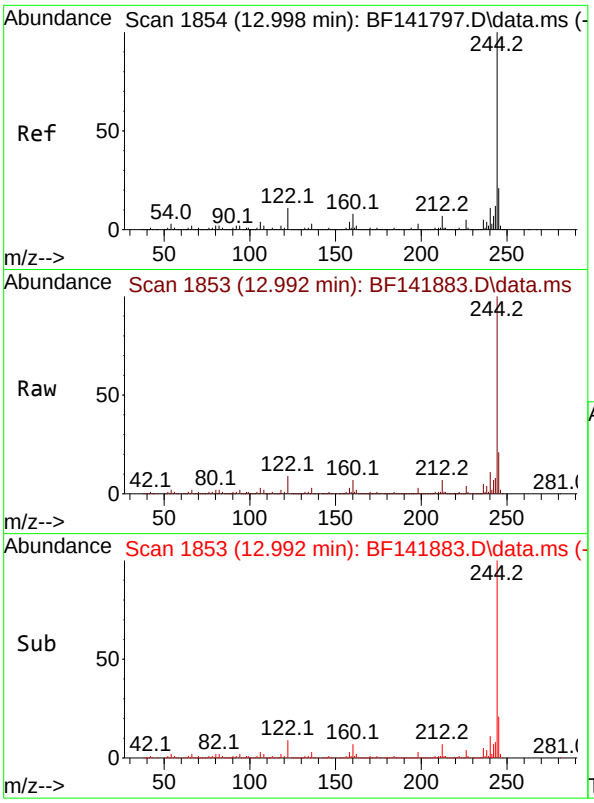


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141883.D
Acq: 07 Mar 2025 09:26

Tgt Ion:240 Resp: 610478

Ion	Ratio	Lower	Upper
240	100		
120	10.0	9.7	14.5
236	25.3	21.0	31.4



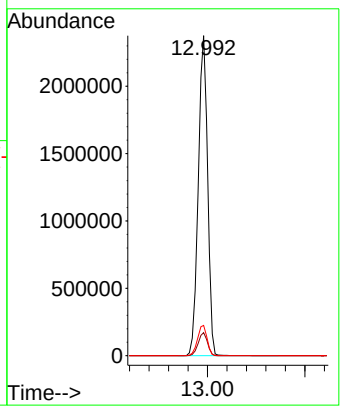


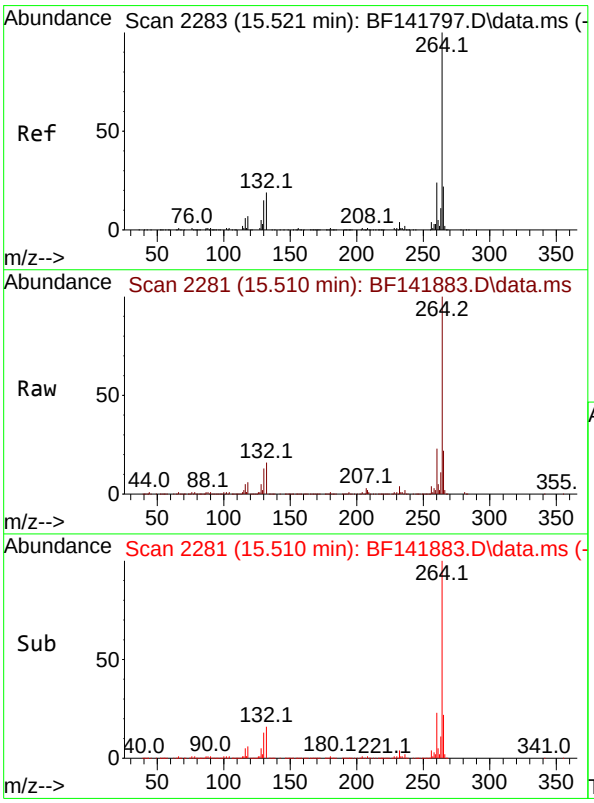
#79
Terphenyl-d14
Concen: 84.191 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141883.D
Acq: 07 Mar 2025 09:26

Instrument :
BNA_F
ClientSampleId :
PB167016BL

Tgt Ion:244 Resp: 3176733

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	9.4	9.0	13.6

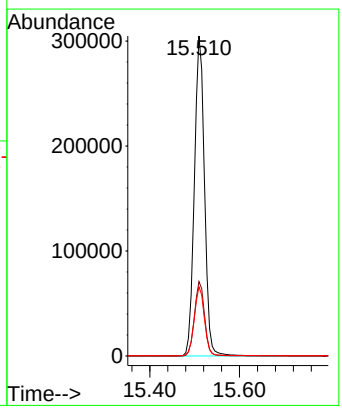




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. -0.012 min
Lab File: BF141883.D
Acq: 07 Mar 2025 09:26

Tgt Ion:264 Resp: 476523

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.9	28.3
265	21.6	17.4	26.0



Raw Data: **BF141884.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	
Client Sample ID:	PB167016BS	SDG No.:	Q1478
Lab Sample ID:	PB167016BS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF141884.D	1	03/05/25 13:00	03/07/25 09:55	PB167016

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	32.7		1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	39.2		0.84	5.00	ug/L
95-48-7	2-Methylphenol	38.5		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	39.2		1.20	10.0	ug/L
67-72-1	Hexachloroethane	38.9		1.00	5.00	ug/L
98-95-3	Nitrobenzene	42.0		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	41.5		1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	41.6		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	43.8		1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	51.9		1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	43.6		1.10	5.00	ug/L
87-86-5	Pentachlorophenol	91.7	E	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	117		15 (10) - 110 (139)	78%	SPK: 150
13127-88-3	Phenol-d6	111		15 (10) - 110 (134)	74%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.5		30 (49) - 130 (133)	97%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.6		30 (52) - 130 (132)	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	166	*	15 (44) - 110 (137)	111%	SPK: 150
1718-51-0	Terphenyl-d14	88.5		30 (48) - 130 (125)	88%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	179000	6.886			
1146-65-2	Naphthalene-d8	717000	8.163			
15067-26-2	Acenaphthene-d10	420000	9.922			
1517-22-2	Phenanthrene-d10	730000	11.404			
1719-03-5	Chrysene-d12	515000	14.045			
1520-96-3	Perylene-d12	393000	15.515			

Raw Data: **BF141884.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	
Client Sample ID:	PB167016BS	SDG No.:	Q1478
Lab Sample ID:	PB167016BS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF141884.D	1	03/05/25 13:00	03/07/25 09:55	PB167016

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: **BF141884.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141884.D
Acq On : 07 Mar 2025 09:55
Operator : RC/JU
Sample : PB167016BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 07 10:12:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB167016BS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.886	152	179491	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	716894	20.000	ng		-0.01
39) Acenaphthene-d10	9.922	164	419936	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	730268	20.000	ng		0.00
76) Chrysene-d12	14.045	240	514866	20.000	ng		0.00
86) Perylene-d12	15.515	264	393279	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	1310141	116.567	ng		0.02
7) Phenol-d6	6.510	99	1627919	111.280	ng		0.00
23) Nitrobenzene-d5	7.445	82	1082308	96.501	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	653885	165.858	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	2241666	85.594	ng		0.00
79) Terphenyl-d14	12.992	244	2815666	88.480	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.787	88	173526	34.026	ng		95
3) Pyridine	3.540	79	415150	32.718	ng		95
4) n-Nitrosodimethylamine	3.481	42	213211	34.922	ng	#	96
6) Aniline	6.545	93	487563	32.058	ng		100
8) 2-Chlorophenol	6.669	128	491496	40.425	ng		93
9) Benzaldehyde	6.434	77	169153	19.878	ng		98
10) Phenol	6.522	94	581042	37.169	ng		96
11) bis(2-Chloroethyl)ether	6.622	93	427761	35.898	ng		94
12) 1,3-Dichlorobenzene	6.828	146	506373	38.890	ng		100
13) 1,4-Dichlorobenzene	6.904	146	513857	39.168	ng		99
14) 1,2-Dichlorobenzene	7.057	146	496587	40.535	ng		99
15) Benzyl Alcohol	7.022	79	429158	36.707	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	520569	28.766	ng		93
17) 2-Methylphenol	7.128	107	386629	38.525	ng		98
18) Hexachloroethane	7.398	117	190868	38.870	ng		96
19) n-Nitroso-di-n-propyla...	7.292	70	330021	34.318	ng		98
20) 3+4-Methylphenols	7.281	107	489645	39.182	ng		91
22) Acetophenone	7.292	105	728876	41.745	ng		98
24) Nitrobenzene	7.463	77	504262	41.986	ng		99
25) Isophorone	7.704	82	897317	37.241	ng		98
26) 2-Nitrophenol	7.781	139	248030	46.398	ng		98
27) 2,4-Dimethylphenol	7.810	122	423423	47.806	ng		98
28) bis(2-Chloroethoxy)met...	7.910	93	536568	34.910	ng		100
29) 2,4-Dichlorophenol	8.016	162	409936	40.120	ng		100
30) 1,2,4-Trichlorobenzene	8.104	180	437747	39.097	ng		99
31) Naphthalene	8.186	128	1400891	38.021	ng		99
32) Benzoic acid	7.928	122	328141	44.967	ng		98
33) 4-Chloroaniline	8.233	127	245936	18.204	ng		99
34) Hexachlorobutadiene	8.304	225	288945	41.529	ng		97
35) Caprolactam	8.598	113	144216m	45.880	ng		
36) 4-Chloro-3-methylphenol	8.710	107	458784	40.419	ng		100
37) 2-Methylnaphthalene	8.875	142	901415	37.299	ng		99
38) 1-Methylnaphthalene	8.975	142	883724	38.109	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	527217	43.470	ng		99
41) Hexachlorocyclopentadiene	9.033	237	679386	134.228	ng		100
43) 2,4,6-Trichlorophenol	9.151	196	325889	41.597	ng		100

Sample Results: **BF141884.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141884.D
Acq On : 07 Mar 2025 09:55
Operator : RC/JU
Sample : PB167016BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167016BS

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Quant Time: Mar 07 10:12:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	339634	43.780	ng		98
46) 1,1'-Biphenyl	9.339	154	1349271	42.212	ng		99
47) 2-Chloronaphthalene	9.369	162	933556	39.571	ng		99
48) 2-Nitroaniline	9.457	65	294678	45.846	ng		96
49) Acenaphthylene	9.780	152	1473589	41.660	ng		100
50) Dimethylphthalate	9.639	163	1131944	40.251	ng		100
51) 2,6-Dinitrotoluene	9.704	165	250645	46.673	ng		90
52) Acenaphthene	9.957	154	1088895	45.624	ng		100
53) 3-Nitroaniline	9.869	138	172982	31.287	ng	#	94
54) 2,4-Dinitrophenol	9.975	184	300997	108.480	ng	#	1
55) Dibenzofuran	10.127	168	1306751	37.617	ng		99
56) 4-Nitrophenol	10.027	139	458442	110.375	ng		94
57) 2,4-Dinitrotoluene	10.104	165	343289	51.931	ng		95
58) Fluorene	10.469	166	1038850	39.924	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	296793	43.989	ng		99
60) Diethylphthalate	10.345	149	1112154	39.449	ng		100
61) 4-Chlorophenyl-phenyle...	10.463	204	518825	39.795	ng		99
62) 4-Nitroaniline	10.486	138	263619	54.891	ng		96
63) Azobenzene	10.622	77	1049439	35.354	ng		98
65) 4,6-Dinitro-2-methylph...	10.510	198	189816	53.979	ng		91
66) n-Nitrosodiphenylamine	10.580	169	923056	38.494	ng		99
67) 4-Bromophenyl-phenylether	10.951	248	343779	40.303	ng		98
68) Hexachlorobenzene	11.016	284	392769	43.606	ng		97
69) Atrazine	11.104	200	385225	58.418	ng		99
70) Pentachlorophenol	11.210	266	524021	91.729	ng		99
71) Phenanthrene	11.433	178	1582418	40.510	ng		99
72) Anthracene	11.486	178	1625497	41.521	ng		100
73) Carbazole	11.633	167	1452863	42.025	ng		100
74) Di-n-butylphthalate	11.963	149	1663012	37.949	ng		100
75) Fluoranthene	12.616	202	1711522	42.761	ng		97
77) Benzidine	12.739	184	615533	94.985	ng		100
78) Pyrene	12.845	202	1739277	39.011	ng		99
80) Butylbenzylphthalate	13.463	149	672937	41.543	ng		96
81) Benzo(a)anthracene	14.033	228	1385577	40.743	ng		100
82) 3,3'-Dichlorobenzidine	13.992	252	284105	29.118	ng		99
83) Chrysene	14.068	228	1253518	39.986	ng		99
84) Bis(2-ethylhexyl)phtha...	14.021	149	893053	44.277	ng		99
85) Di-n-octyl phthalate	14.633	149	1252163	41.468	ng		95
87) Indeno(1,2,3-cd)pyrene	17.003	276	1080175	43.133	ng		95
88) Benzo(b)fluoranthene	15.080	252	1109885	41.430	ng		99
89) Benzo(k)fluoranthene	15.109	252	942003	41.371	ng		99
90) Benzo(a)pyrene	15.451	252	904383	42.095	ng		98
91) Dibenzo(a,h)anthracene	17.021	278	872509	42.683	ng	#	96
92) Benzo(g,h,i)perylene	17.456	276	888869	42.445	ng		95

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

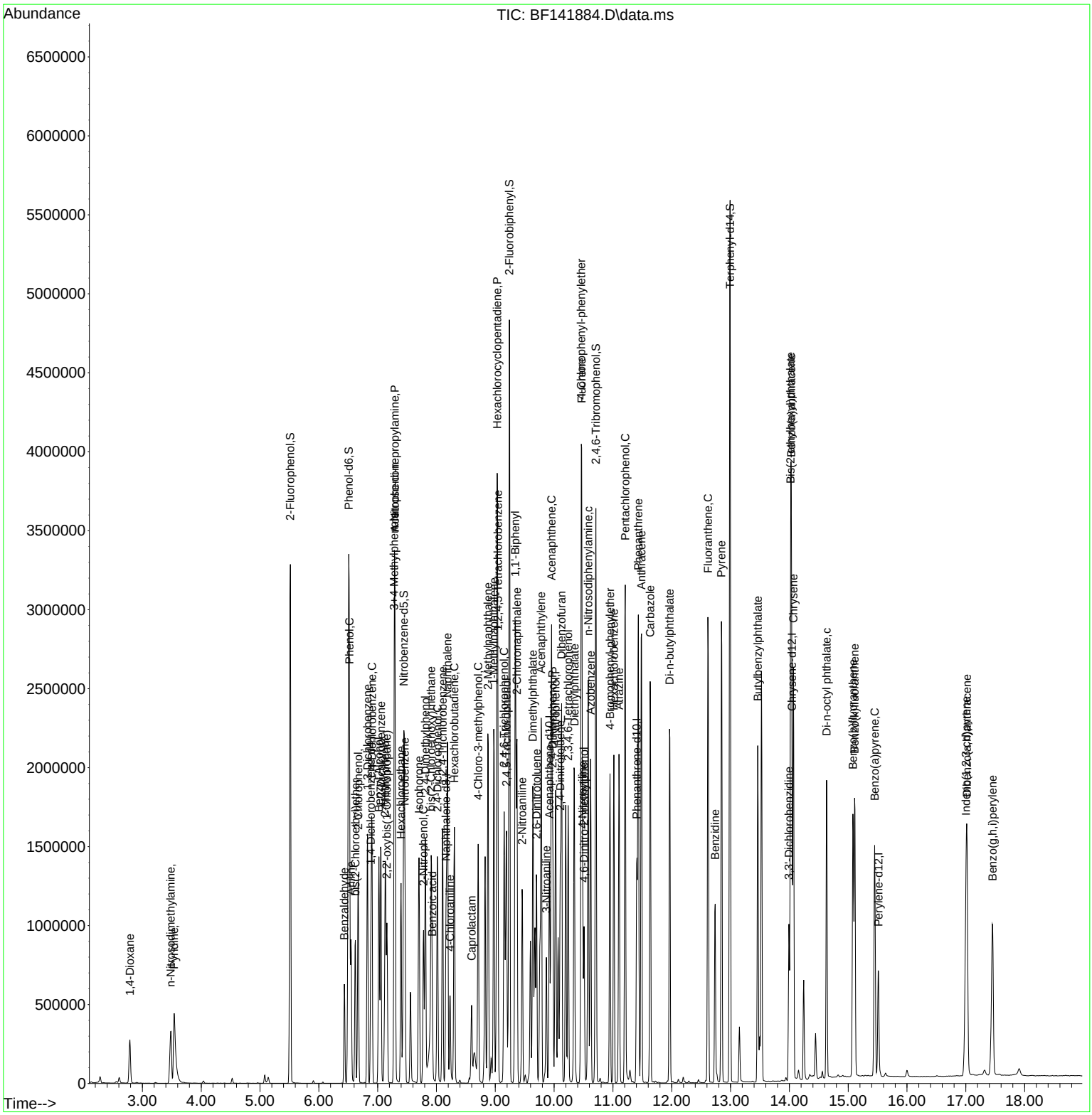
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141884.D
Acq On : 07 Mar 2025 09:55
Operator : RC/JU
Sample : PB167016BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

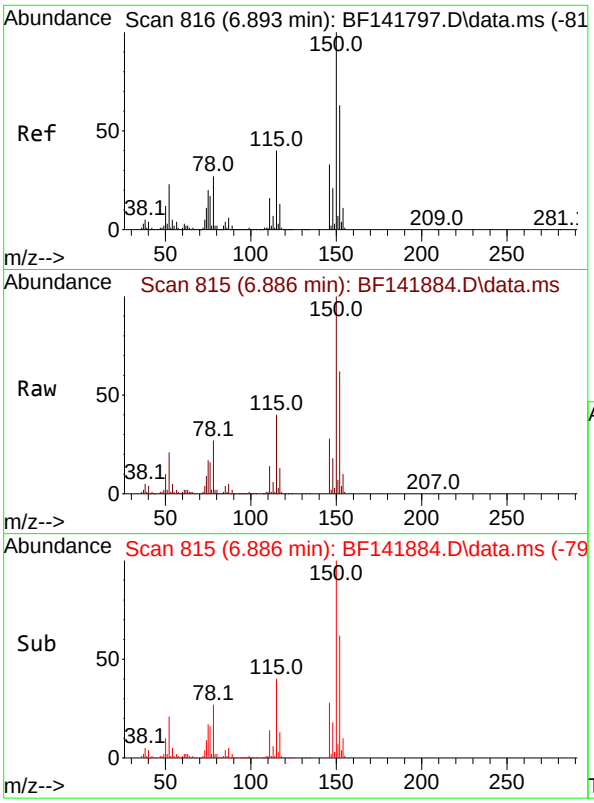
Quant Time: Mar 07 10:12:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB167016BS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

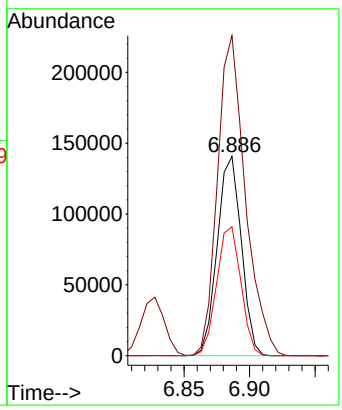




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 8
Delta R.T. -0.007 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:152 Resp: 17949

Ion	Ratio	Lower	Upper
152	100		
150	160.5	127.5	191.3
115	64.7	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
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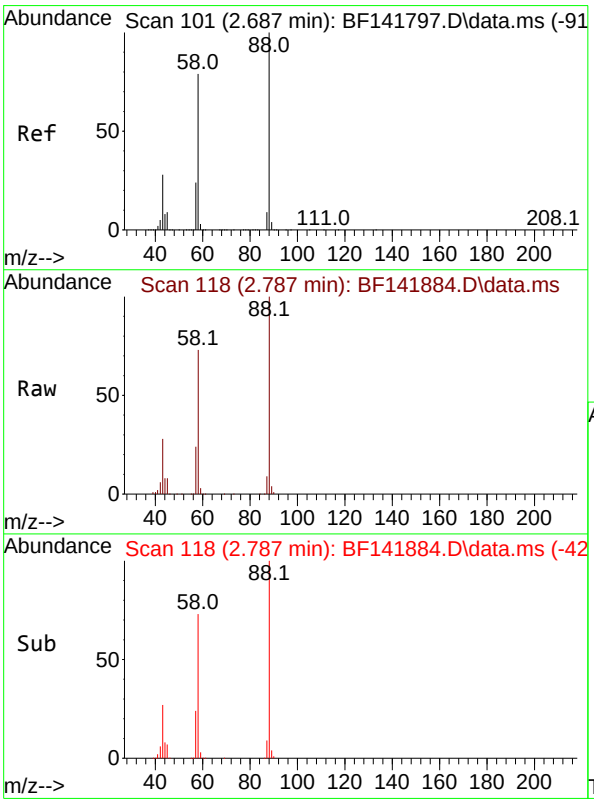
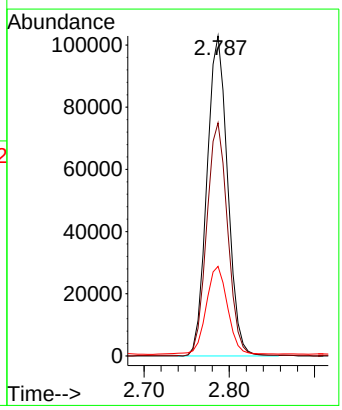
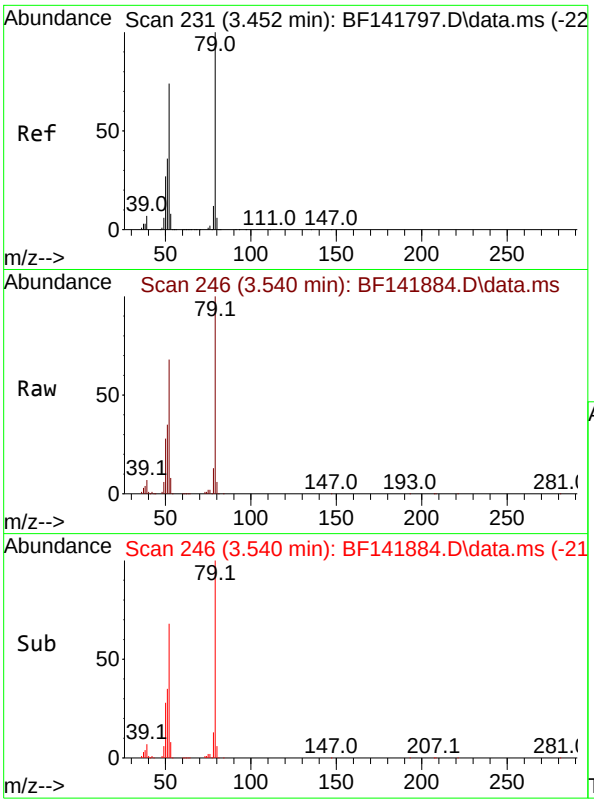


#2
1,4-Dioxane
Concen: 34.026 ng
RT: 2.787 min Scan# 118
Delta R.T. 0.100 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion: 88 Resp: 173526

Ion	Ratio	Lower	Upper
88	100		
58	73.7	63.9	95.9
43	28.6	23.0	34.6





#3
Pyridine
Concen: 32.718 ng
RT: 3.540 min Scan# 24
Delta R.T. 0.088 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Instrument :
BNA_F
ClientSampleId :
PB167016BS

Tgt Ion: 79 Resp: 41515

Ion	Ratio	Lower	Upper
79	100		
52	68.2	59.0	88.4
51	34.6	29.0	43.4

Manual Integrations
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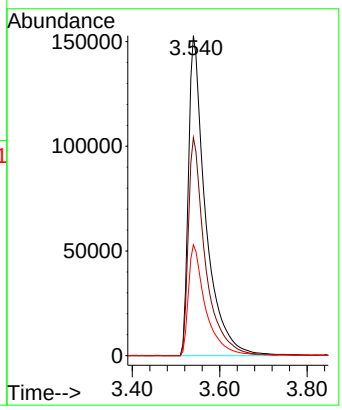
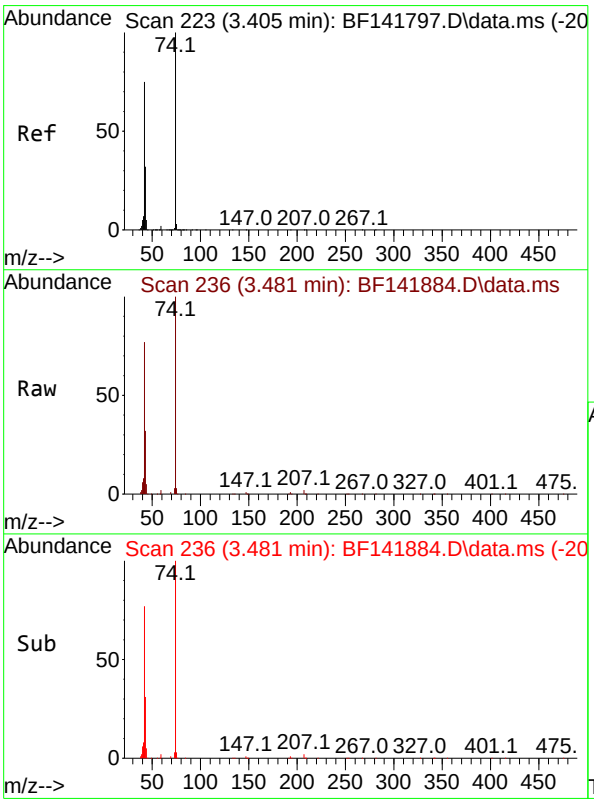
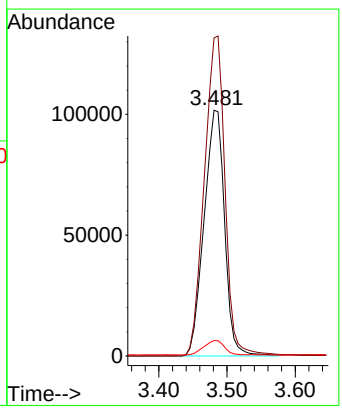


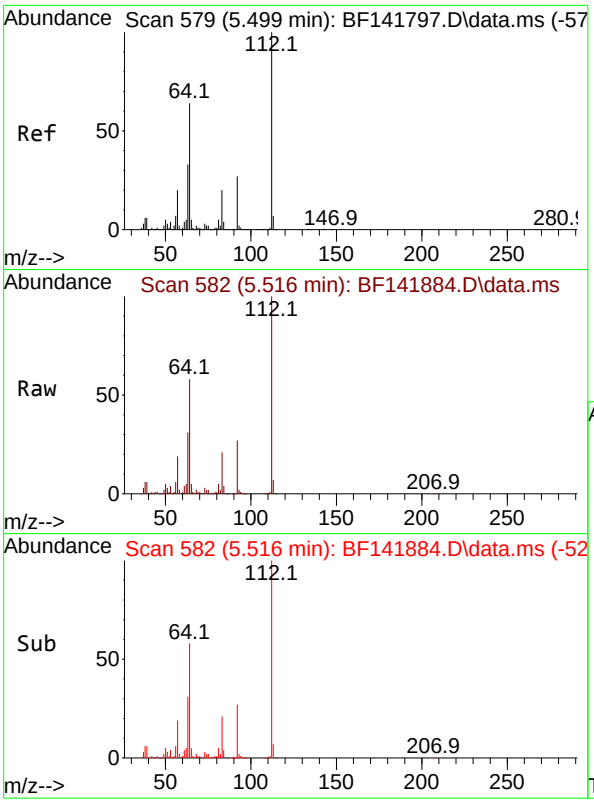


#4
n-Nitrosodimethylamine
Concen: 34.922 ng
RT: 3.481 min Scan# 236
Delta R.T. 0.076 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion: 42 Resp: 213211

Ion	Ratio	Lower	Upper
42	100		
74	129.4	107.1	160.7
44	6.3	6.6	9.8#





#5
2-Fluorophenol
Concen: 116.567 ng
RT: 5.516 min Scan# 5
Delta R.T. 0.017 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:112 Resp: 131014

Ion	Ratio	Lower	Upper
112	100		
64	57.5	51.3	76.9
63	31.1	26.2	39.4

Instrument :
BNA_F
ClientSampleId :
PB167016BS

Manual Integrations
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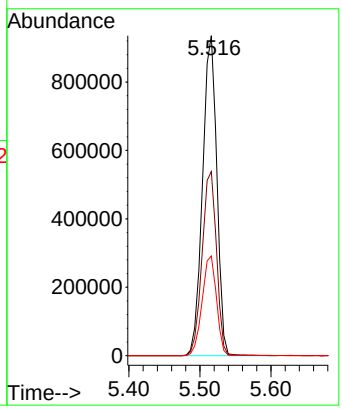
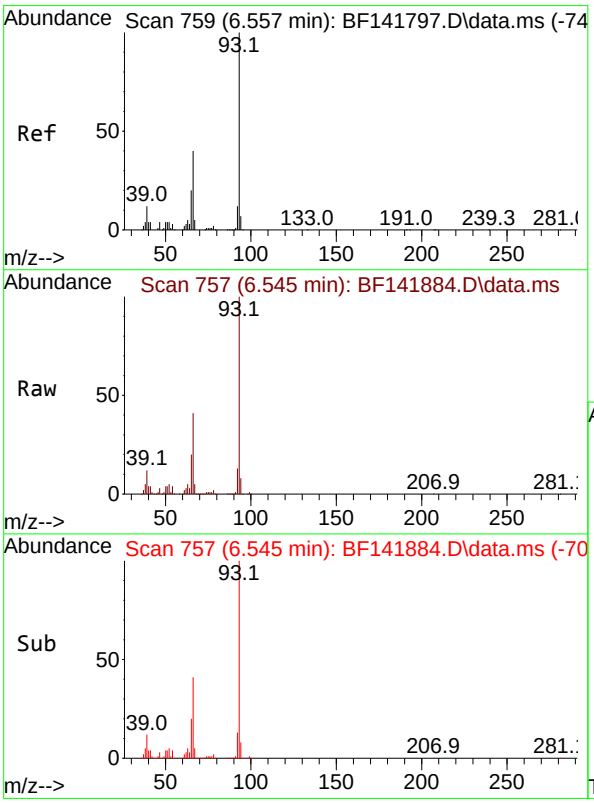
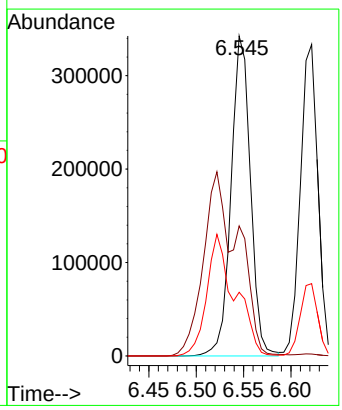


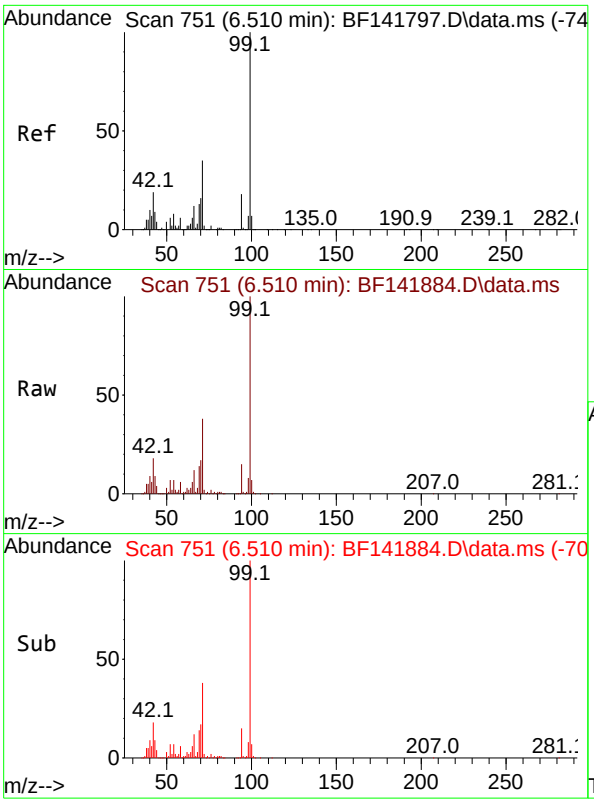


#6
Aniline
Concen: 32.058 ng
RT: 6.545 min Scan# 757
Delta R.T. -0.012 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion: 93 Resp: 487563

Ion	Ratio	Lower	Upper
93	100		
66	40.7	32.3	48.5
65	19.9	15.9	23.9

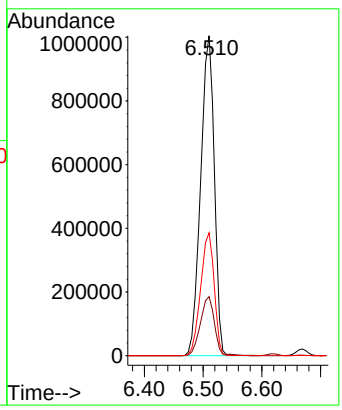




#7
Phenol-d6
Concen: 111.280 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion: 99 Resp: 162791

Ion	Ratio	Lower	Upper
99	100		
42	18.4	15.2	22.8
71	38.4	28.2	42.2



Instrument :
BNA_F
ClientSampleId :
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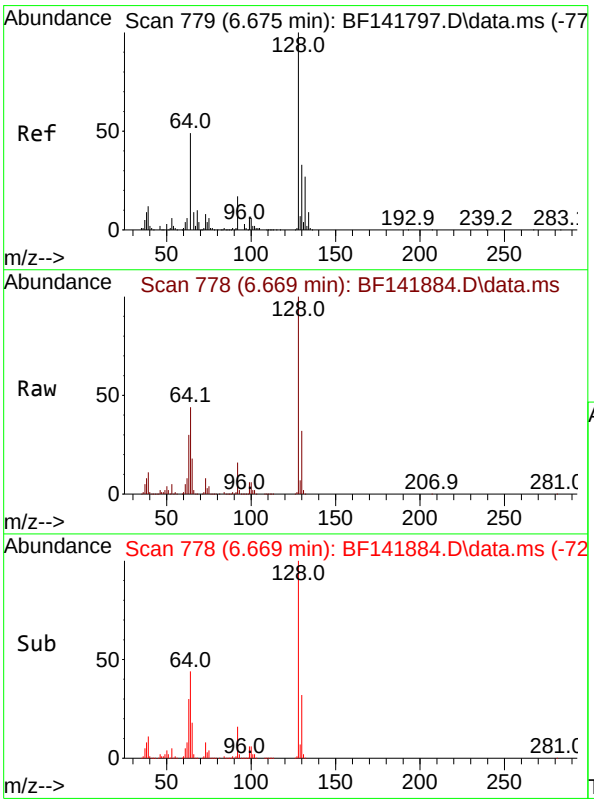
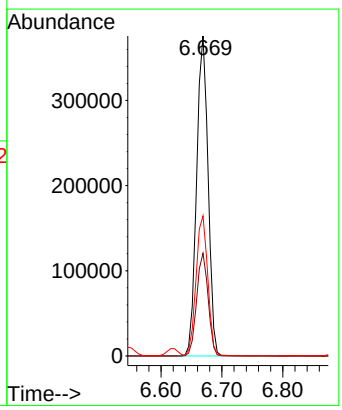
Supervised By :Jagrut Upadhyay 03/10/2025

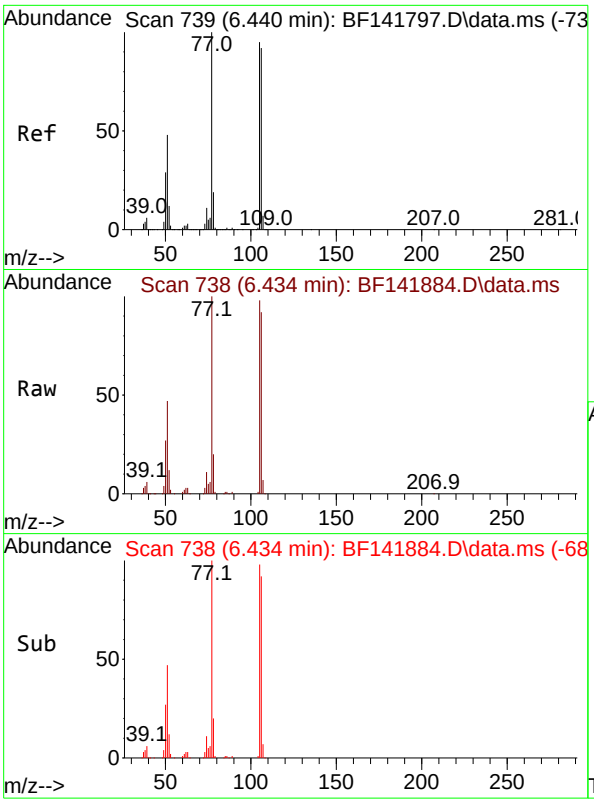


#8
2-Chlorophenol
Concen: 40.425 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:128 Resp: 491496

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.6	52.6
64	43.8	31.1	71.1

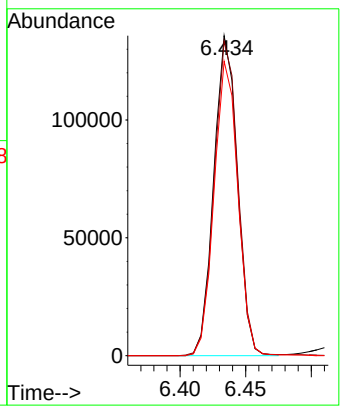




#9
Benzaldehyde
Concen: 19.878 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion: 77 Resp: 16915

Ion	Ratio	Lower	Upper
77	100		
105	98.3	75.3	115.3
106	92.0	72.3	112.3



Instrument :
BNA_F
ClientSampleId :
PB167016BS

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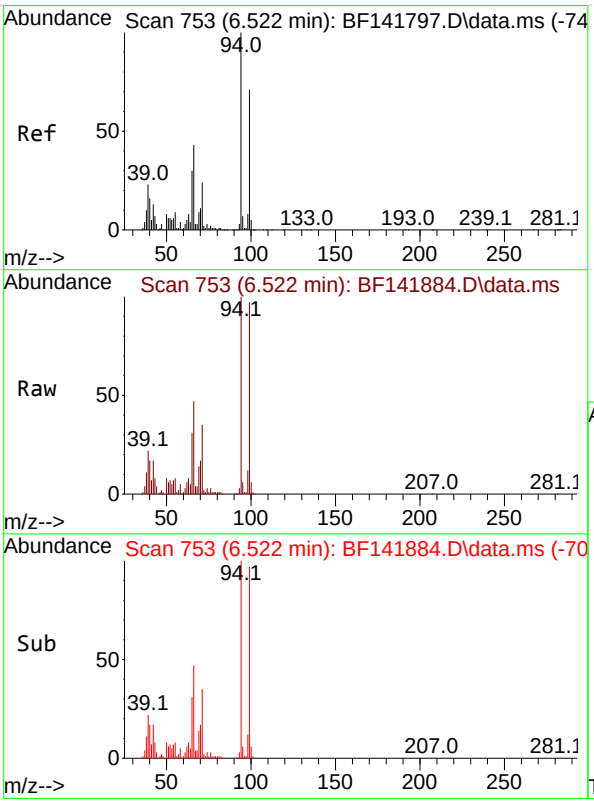
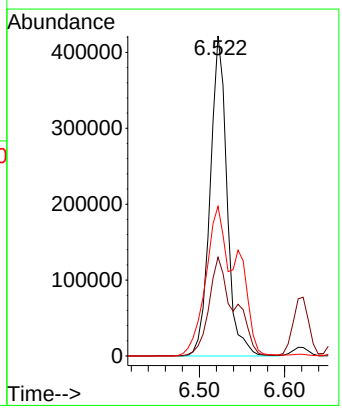
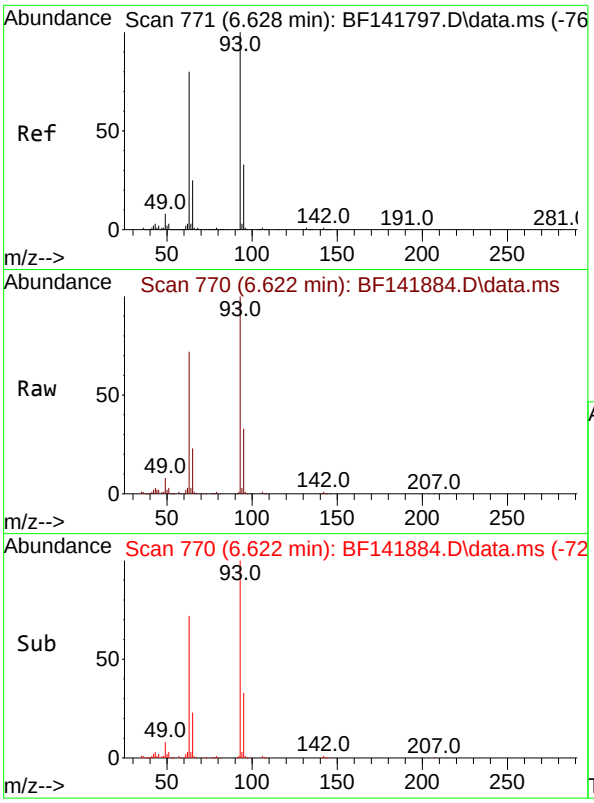


#10
Phenol
Concen: 37.169 ng
RT: 6.522 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion: 94 Resp: 581042

Ion	Ratio	Lower	Upper
94	100		
65	30.9	10.2	50.2
66	46.7	23.2	63.2

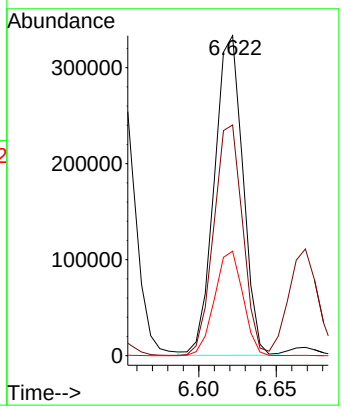




#11
bis(2-Chloroethyl)ether
Concen: 35.898 ng
RT: 6.622 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion: 93 Resp: 42776

Ion	Ratio	Lower	Upper
93	100		
63	72.1	59.3	99.3
95	32.6	13.2	53.2



Instrument :
BNA_F
ClientSampleId :
PB167016BS

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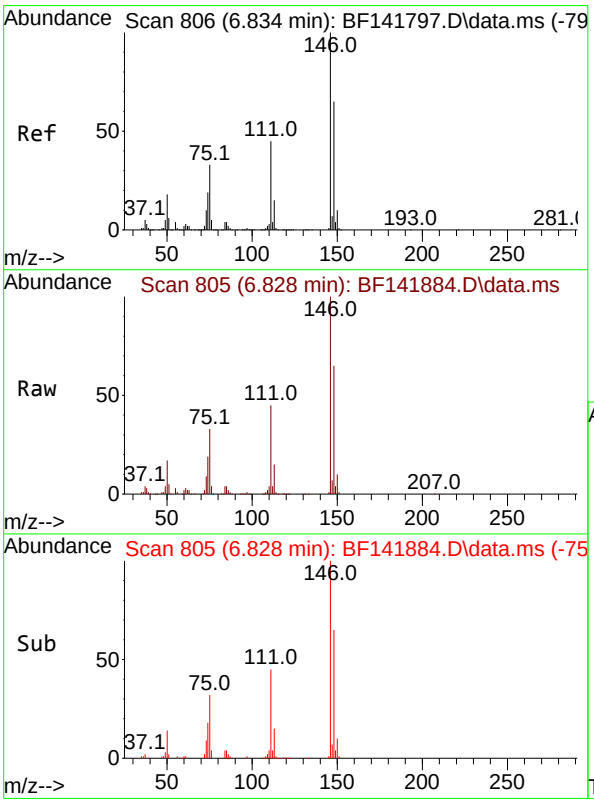
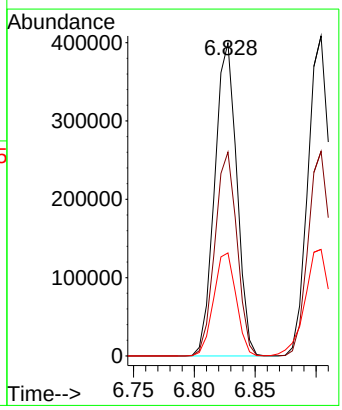
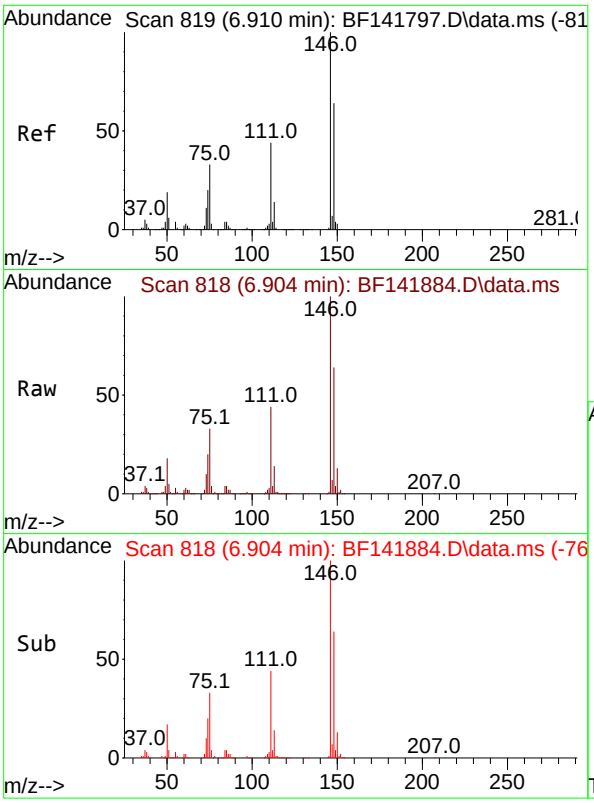


#12
1,3-Dichlorobenzene
Concen: 38.890 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:146 Resp: 506373

Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.8	77.6
75	32.9	26.2	39.4

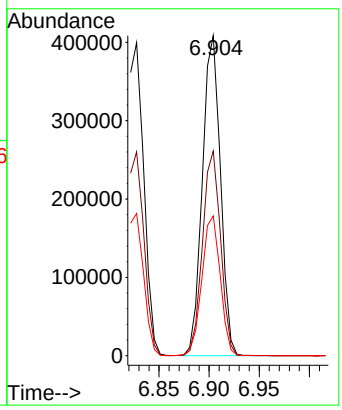




#13
1,4-Dichlorobenzene
Concen: 39.168 ng
RT: 6.904 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:146 Resp: 51385

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.4	77.2
111	43.7	35.5	53.3



Instrument :
BNA_F
ClientSampleId :
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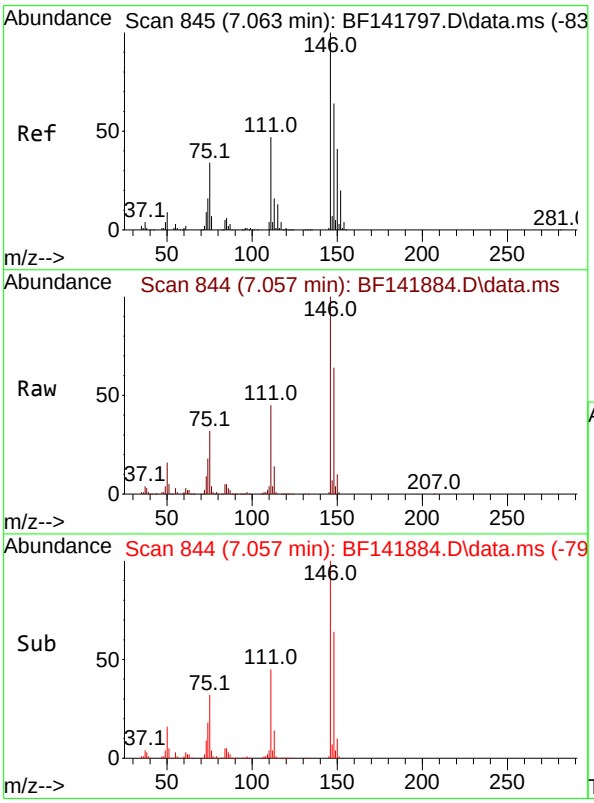
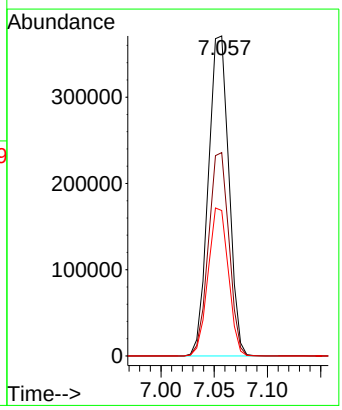
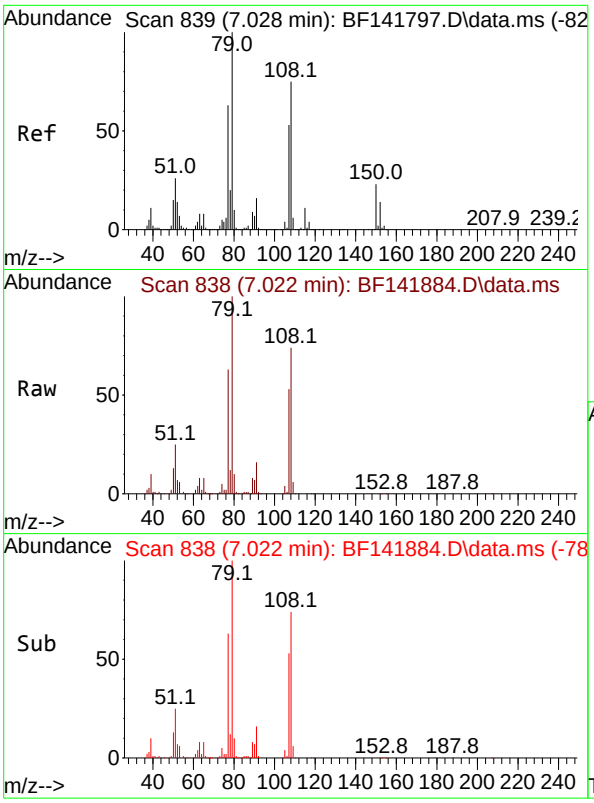


#14
1,2-Dichlorobenzene
Concen: 40.535 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:146 Resp: 496587

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.2	76.8
111	45.5	37.8	56.6

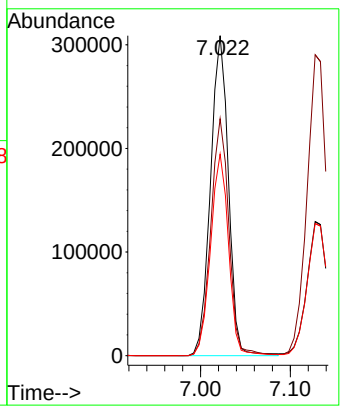




#15
Benzyl Alcohol
Concen: 36.707 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion: 79 Resp: 42915

Ion	Ratio	Lower	Upper
79	100		
108	74.0	60.2	90.2
77	63.0	50.2	75.2



Instrument :
BNA_F
ClientSampleId :
PB167016BS

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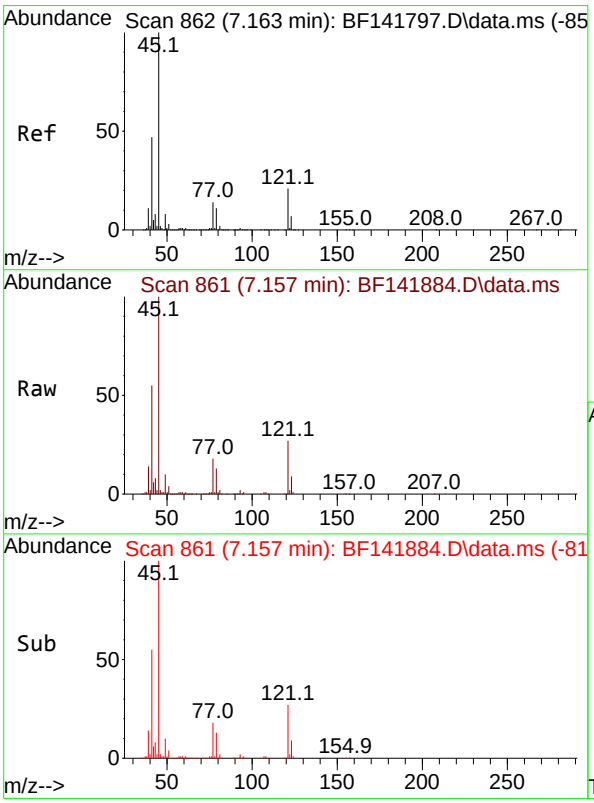
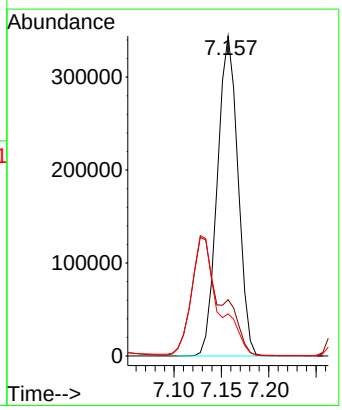
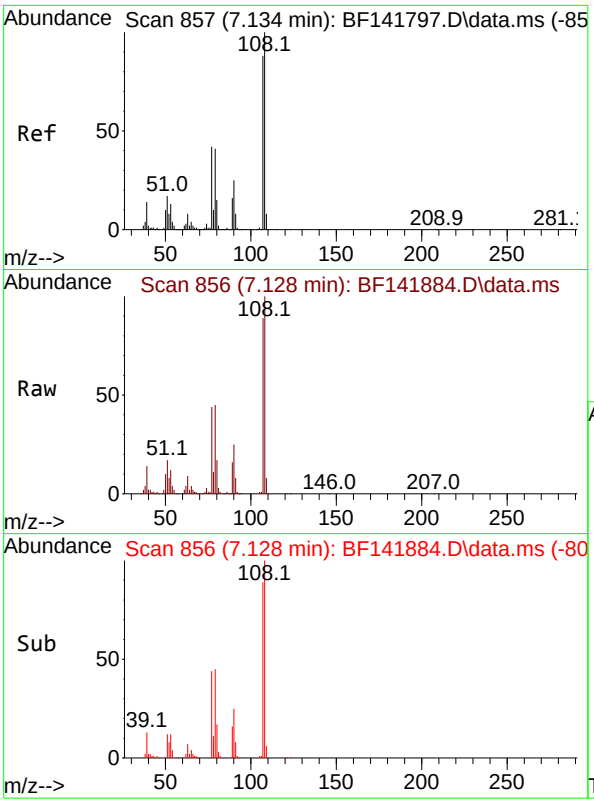


#16
2,2'-oxybis(1-Chloropropane)
Concen: 28.766 ng
RT: 7.157 min Scan# 861
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion: 45 Resp: 520569

Ion	Ratio	Lower	Upper
45	100		
77	17.6	0.0	34.4
79	13.2	0.0	30.9

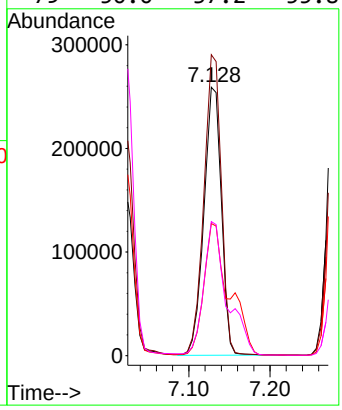




#17
2-Methylphenol
Concen: 38.525 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:107 Resp: 38662

Ion	Ratio	Lower	Upper
107	100		
108	112.1	90.6	135.8
77	49.2	37.7	56.5
79	50.0	37.2	55.8



Instrument :
BNA_F
ClientSampleId :
PB167016BS

Manual Integrations
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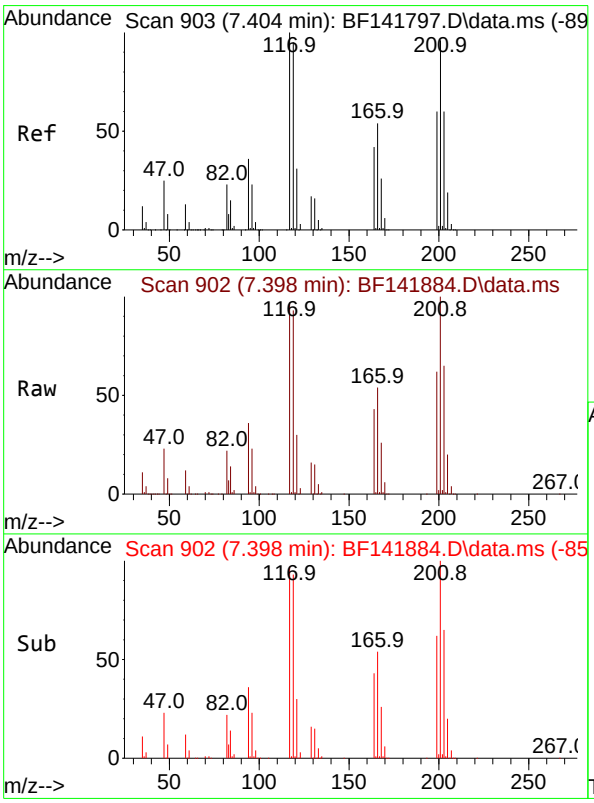
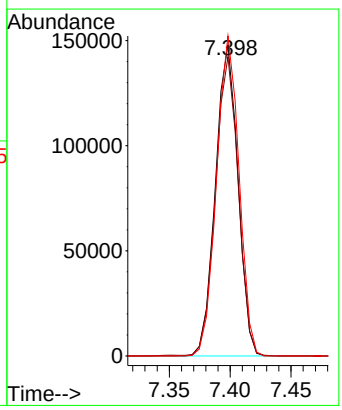
Supervised By :Jagrut Upadhyay 03/10/2025

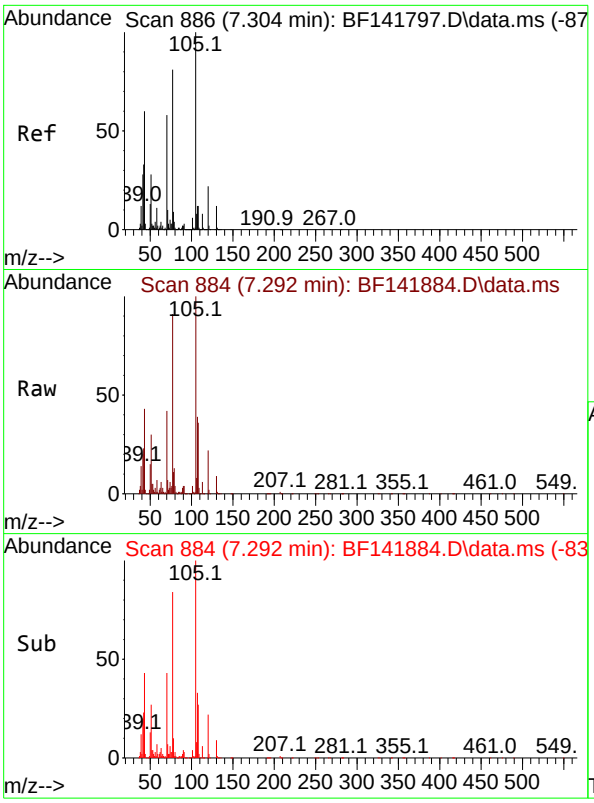


#18
Hexachloroethane
Concen: 38.870 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:117 Resp: 190868

Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.8	113.8
201	102.9	76.7	115.1

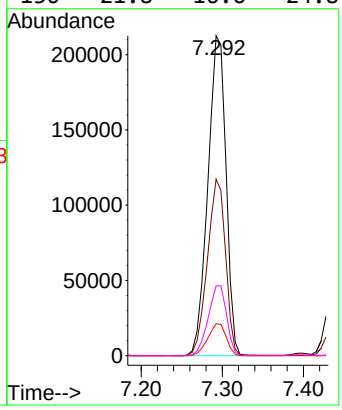




#19
n-Nitroso-di-n-propylamine
Concen: 34.318 ng
RT: 7.292 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion: 70 Resp: 33002

Ion	Ratio	Lower	Upper
70	100		
42	55.2	45.4	68.0
101	10.0	7.8	11.8
130	21.8	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
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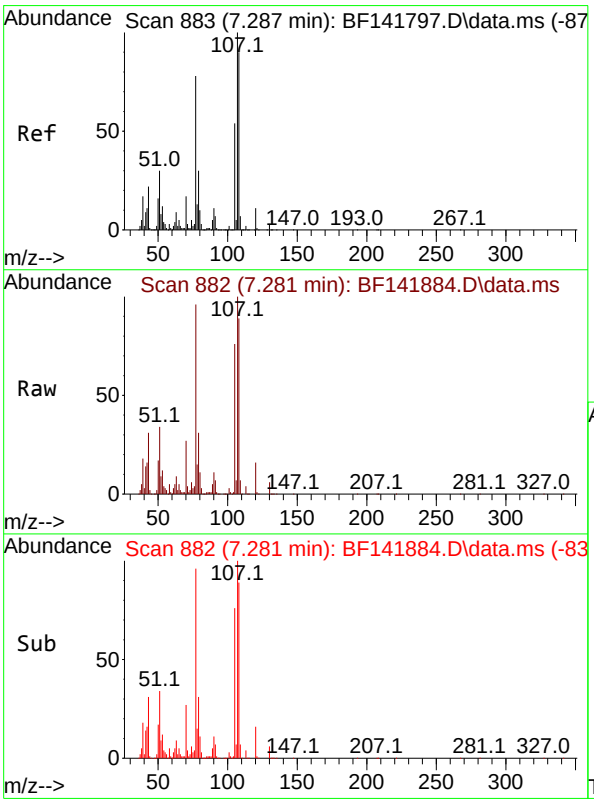
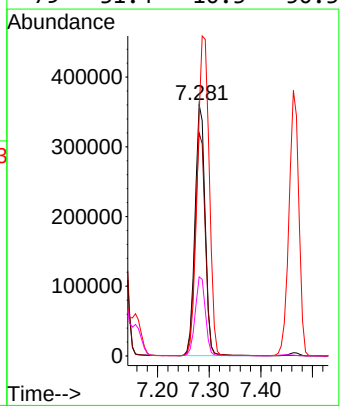
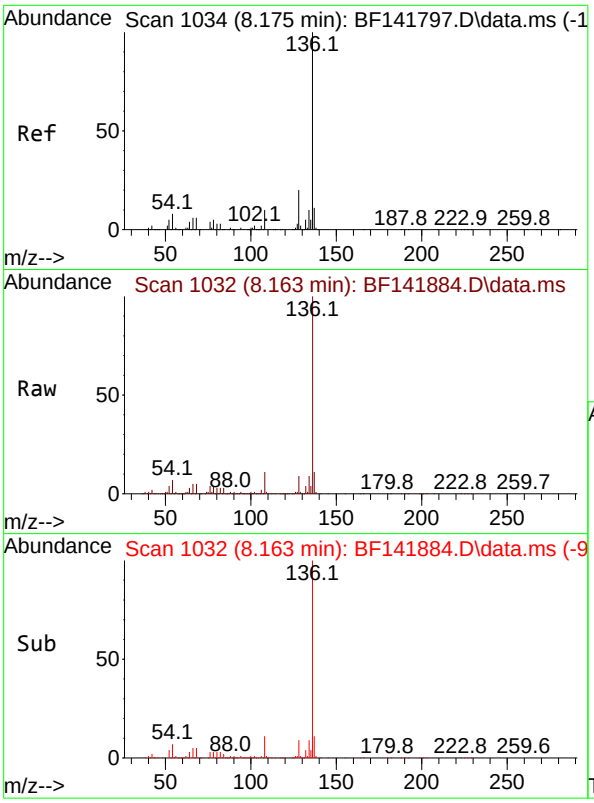


#20
3+4-Methylphenols
Concen: 39.182 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:107 Resp: 489645

Ion	Ratio	Lower	Upper
107	100		
108	88.7	69.7	109.7
77	95.8	58.3	98.3
79	31.4	10.3	50.3

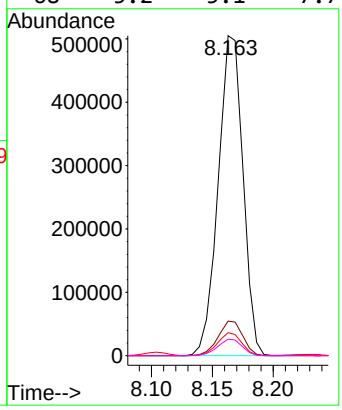




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:136 Resp: 71689

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.2	6.9	10.3
68	5.2	5.1	7.7



Instrument :
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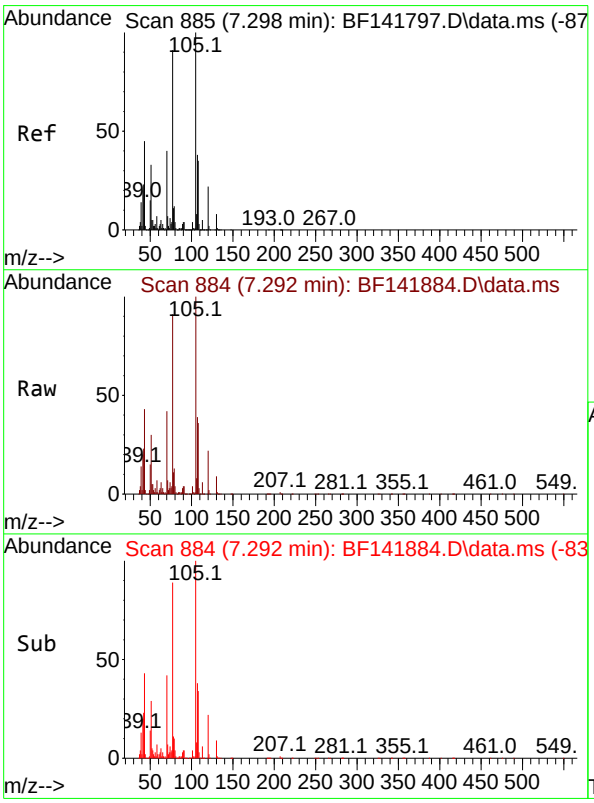
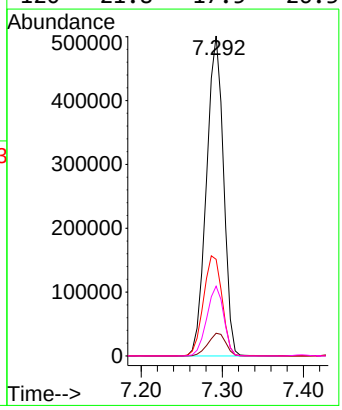
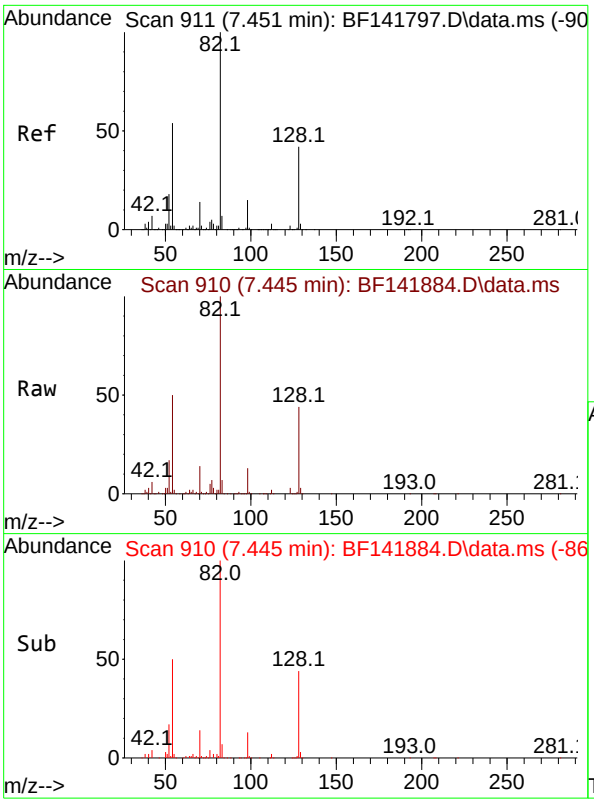


#22
Acetophenone
Concen: 41.745 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:105 Resp: 728876

Ion	Ratio	Lower	Upper
105	100		
71	7.1	5.4	8.0
51	30.2	26.1	39.1
120	21.8	17.5	26.3





#23
Nitrobenzene-d5
Concen: 96.501 ng
RT: 7.445 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion: 82 Resp: 108230

Ion	Ratio	Lower	Upper
82	100		
128	43.7	33.5	50.3
54	49.8	42.7	64.1

Instrument :
BNA_F
ClientSampleId :
PB167016BS

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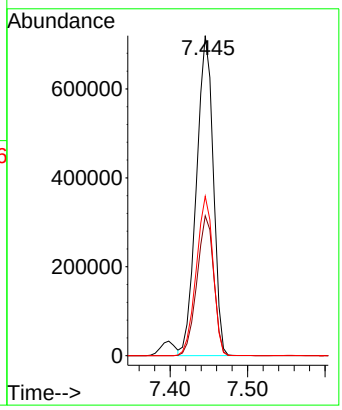
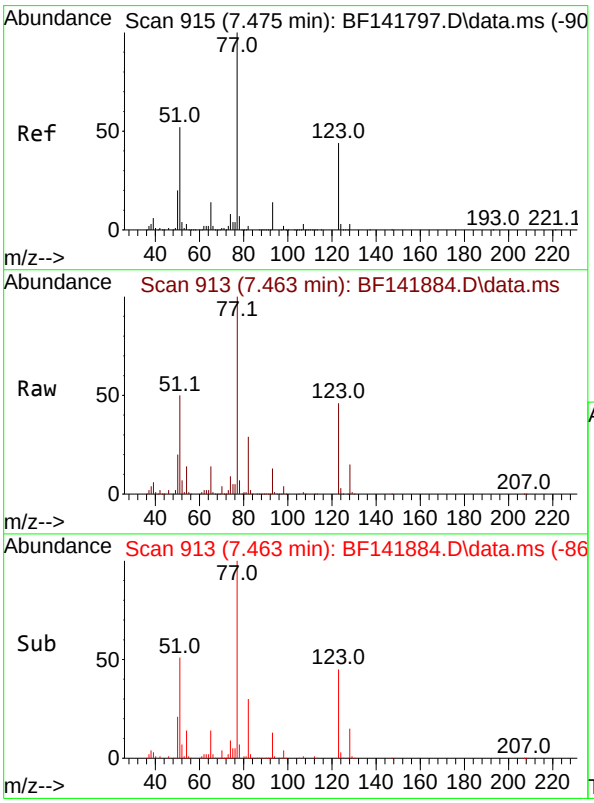
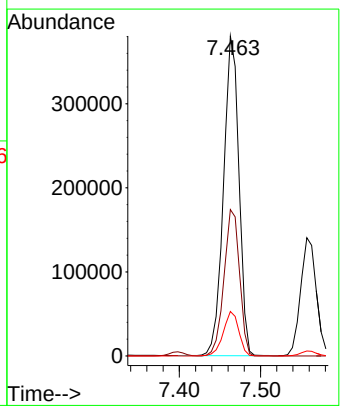


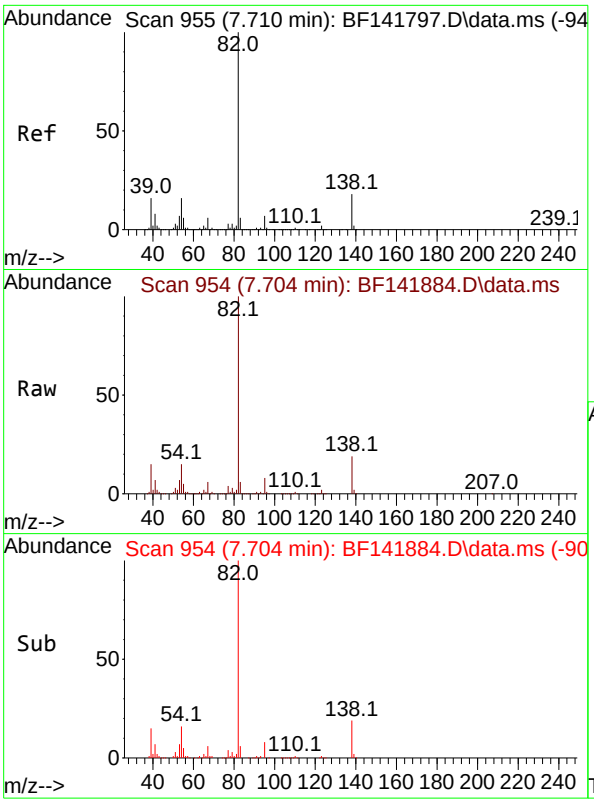


#24
Nitrobenzene
Concen: 41.986 ng
RT: 7.463 min Scan# 913
Delta R.T. -0.012 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion: 77 Resp: 504262

Ion	Ratio	Lower	Upper
77	100		
123	45.8	35.8	53.8
65	13.9	11.2	16.8

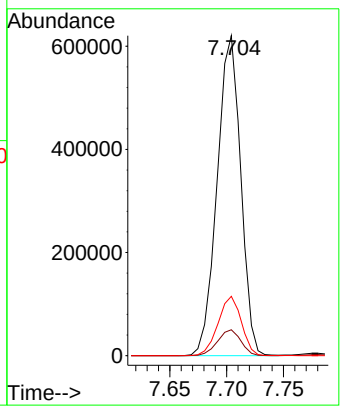




#25
Isophorone
Concen: 37.241 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion: 82 Resp: 89731

Ion	Ratio	Lower	Upper
82	100		
95	8.1	5.8	8.8
138	18.6	14.0	21.0



Instrument :
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ClientSampleId :
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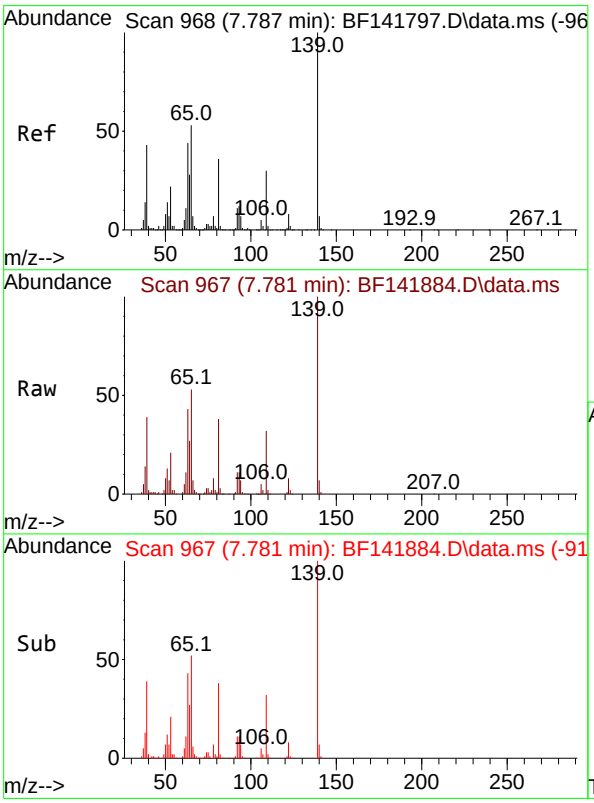
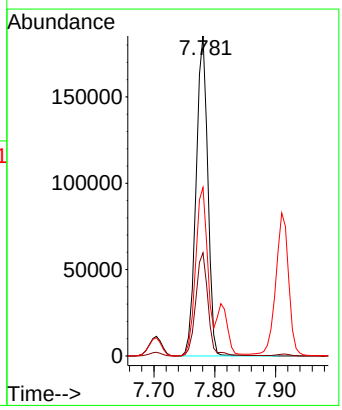
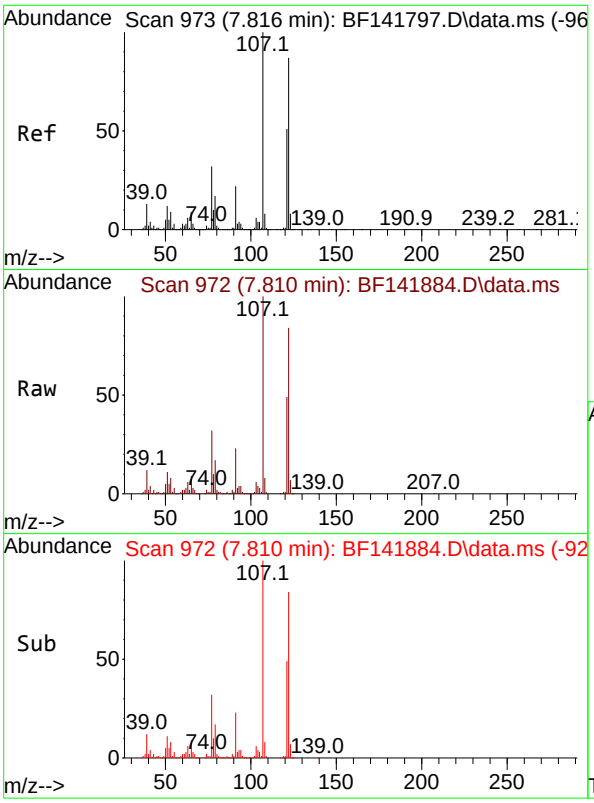


#26
2-Nitrophenol
Concen: 46.398 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:139 Resp: 248030

Ion	Ratio	Lower	Upper
139	100		
109	32.3	24.1	36.1
65	52.7	42.3	63.5





#27
2,4-Dimethylphenol
Concen: 47.806 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:122 Resp: 42342

Ion	Ratio	Lower	Upper
122	100		
107	119.2	92.5	138.7
121	58.5	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
PB167016BS

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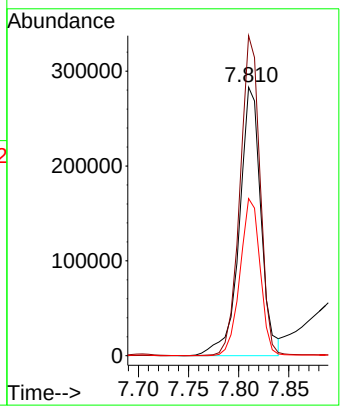
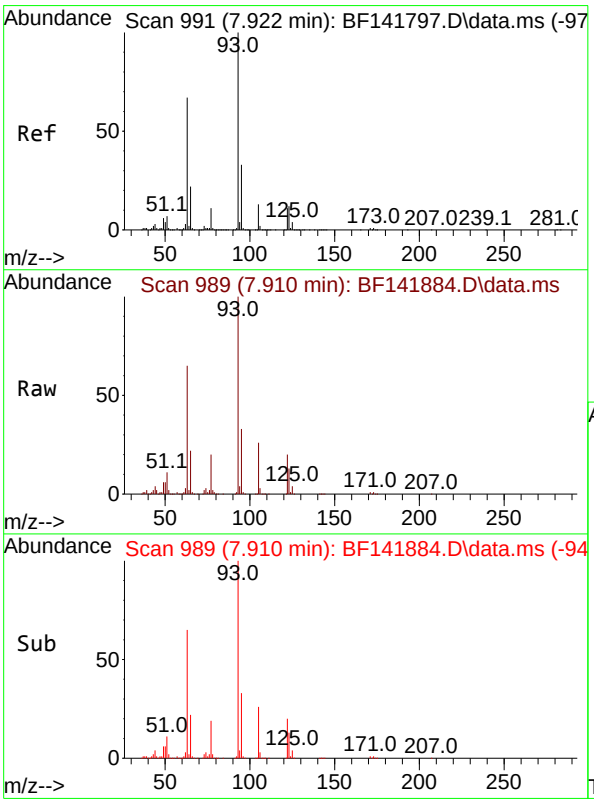
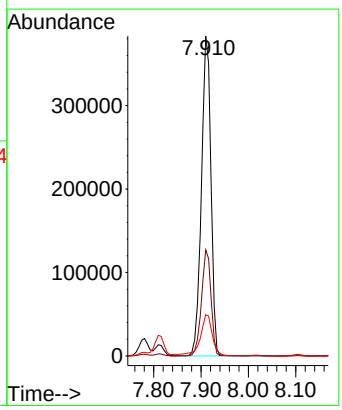


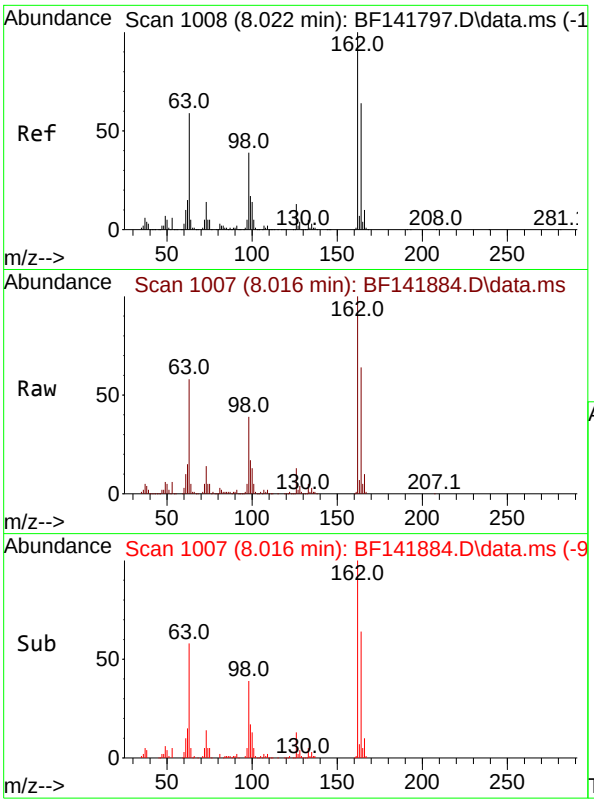


#28
bis(2-Chloroethoxy)methane
Concen: 34.910 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.012 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion: 93 Resp: 536568

Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.5	39.7
123	12.9	10.0	15.0

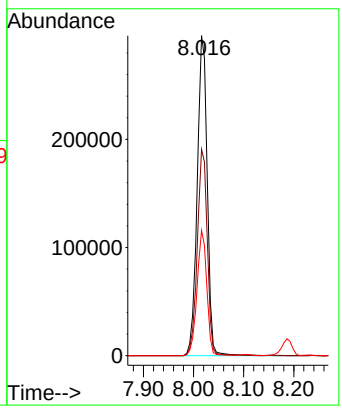




#29
2,4-Dichlorophenol
Concen: 40.120 ng
RT: 8.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:162 Resp: 40993

Ion	Ratio	Lower	Upper
162	100		
164	64.5	44.3	84.3
98	39.1	19.6	59.6



Instrument :
BNA_F
ClientSampleId :
PB167016BS

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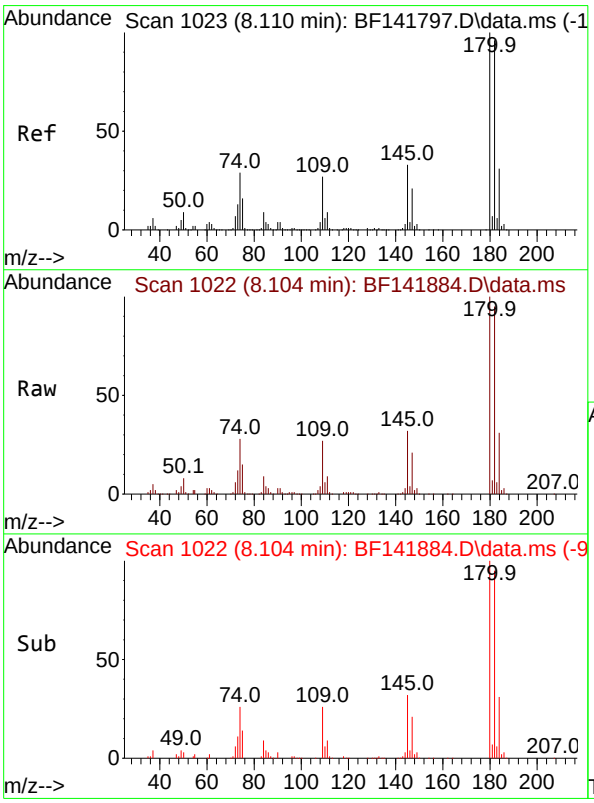
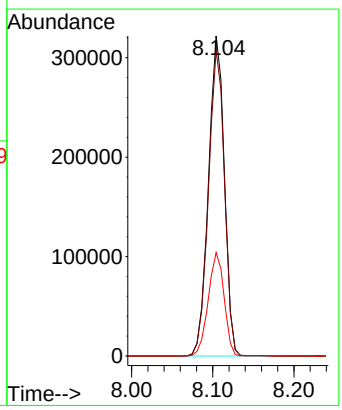
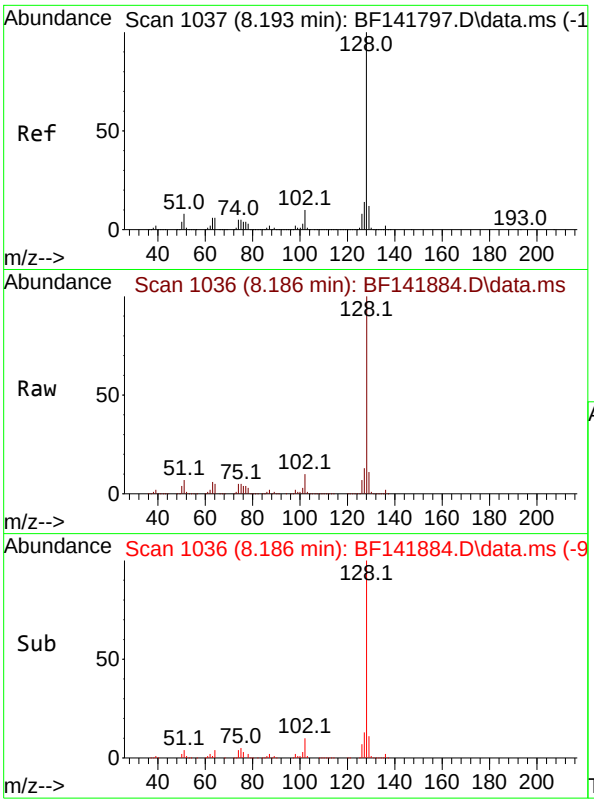


#30
1,2,4-Trichlorobenzene
Concen: 39.097 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:180 Resp: 437747

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.8	115.2
145	32.3	26.4	39.6

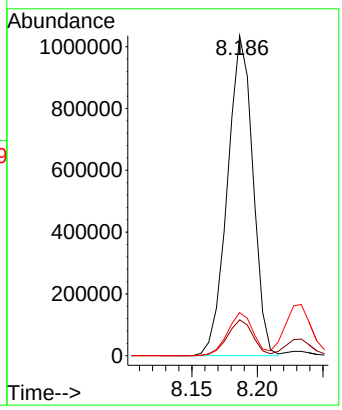




#31
Naphthalene
Concen: 38.021 ng
RT: 8.186 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:128 Resp: 140089

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.2	13.8
127	13.4	11.0	16.4



Instrument :
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ClientSampleId :
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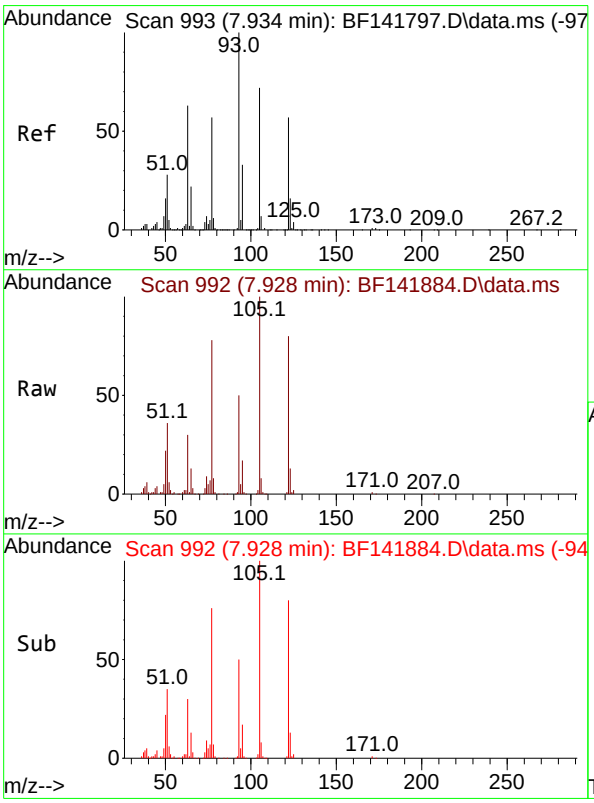
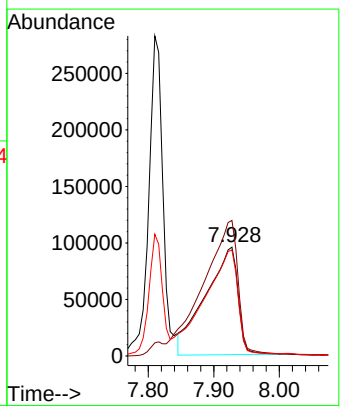
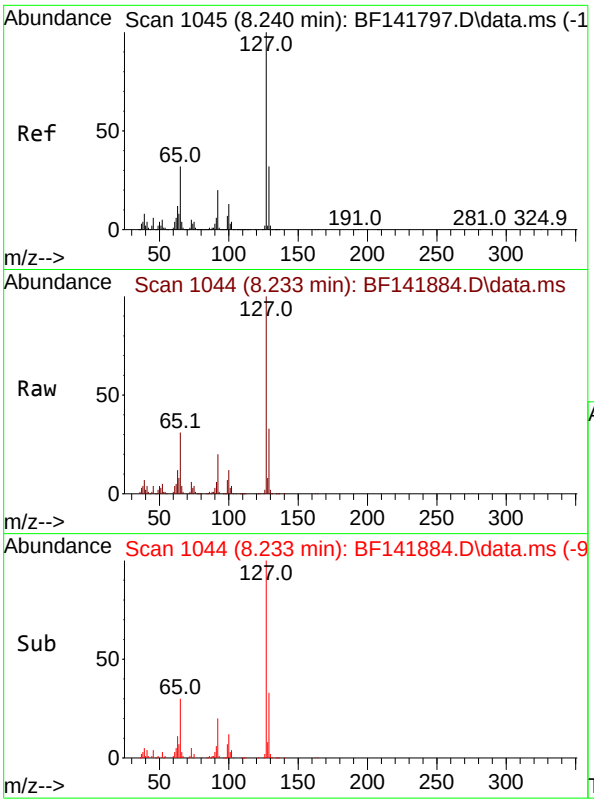


#32
Benzoic acid
Concen: 44.967 ng
RT: 7.928 min Scan# 992
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:122 Resp: 328141

Ion	Ratio	Lower	Upper
122	100		
105	124.7	105.8	145.8
77	97.5	79.9	119.9





#33
4-Chloroaniline
Concen: 18.204 ng
RT: 8.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Instrument :
BNA_F
ClientSampleId :
PB167016BS

Tgt Ion:127 Resp: 24593

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.1	39.1
65	30.8	25.7	38.5
92	19.9	16.1	24.1

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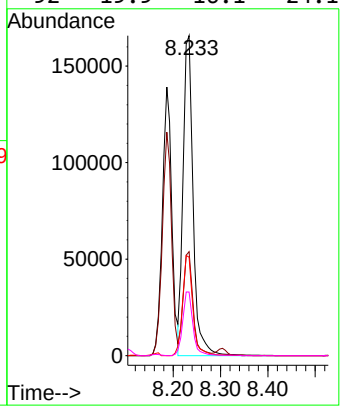
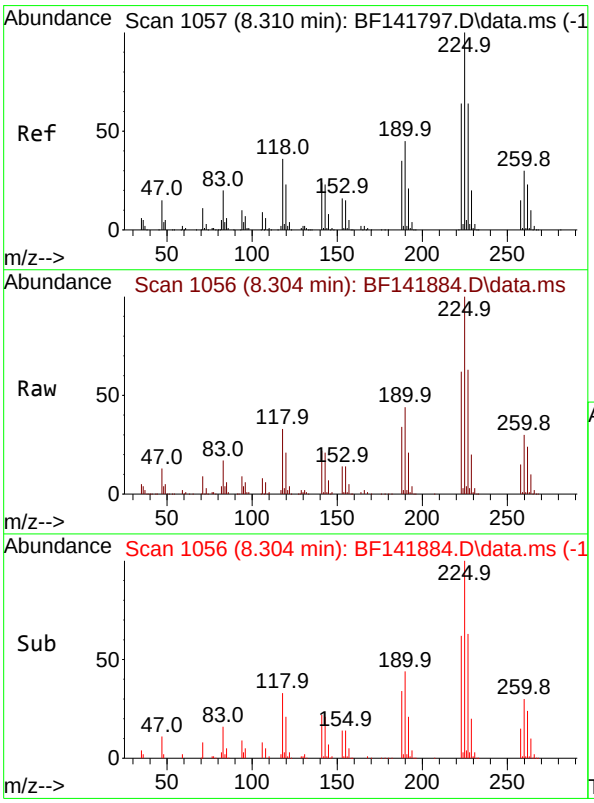
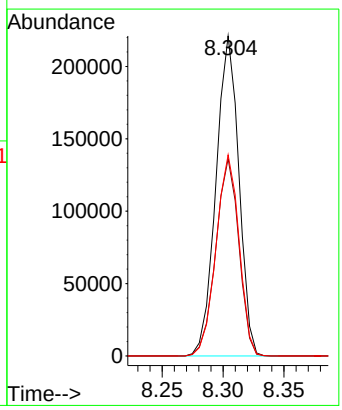


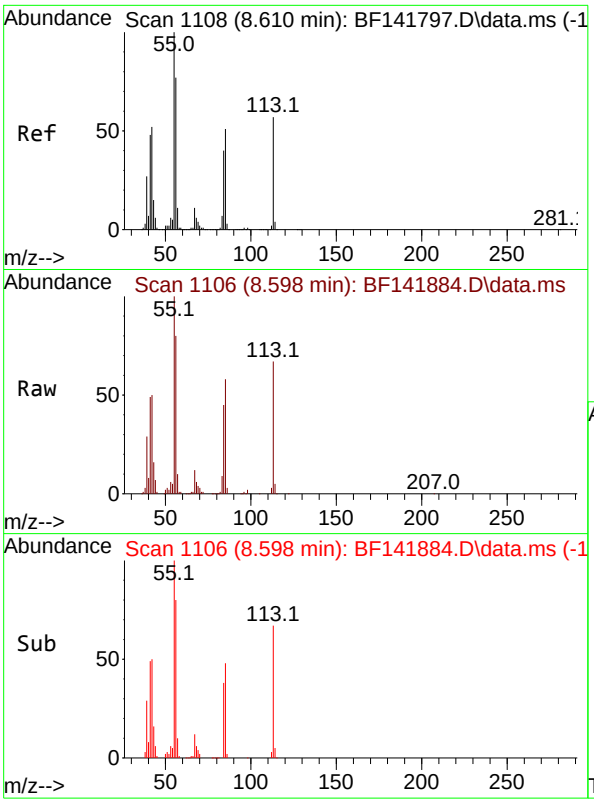


#34
Hexachlorobutadiene
Concen: 41.529 ng
RT: 8.304 min Scan# 1056
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:225 Resp: 288945

Ion	Ratio	Lower	Upper
225	100		
223	61.6	51.4	77.2
227	62.9	51.6	77.4

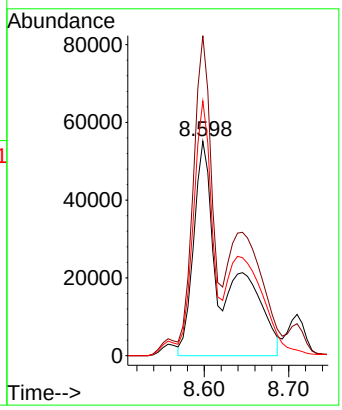




#35
Caprolactam
Concen: 45.880 ng m
RT: 8.598 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:113 Resp: 14421

Ion	Ratio	Lower	Upper
113	100		
55	149.3	155.6	195.6
56	118.8	114.6	154.6



Instrument :
BNA_F
ClientSampleId :
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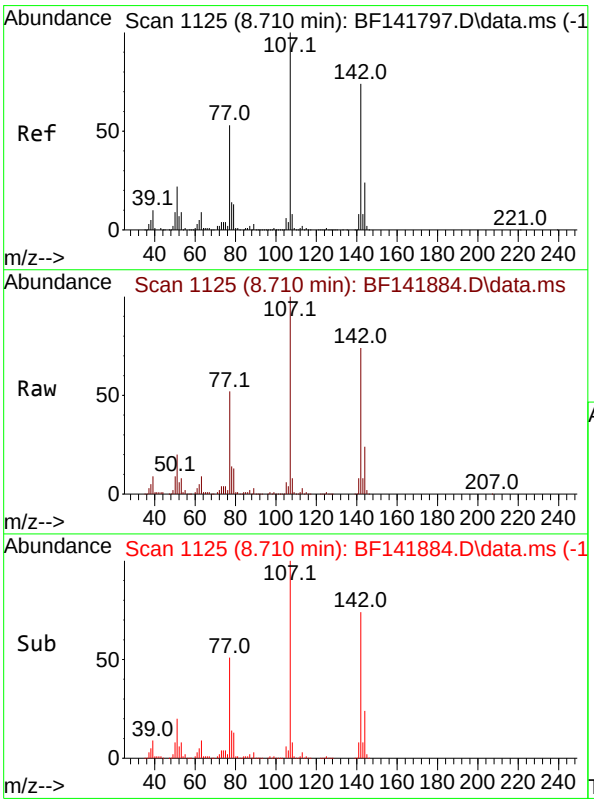
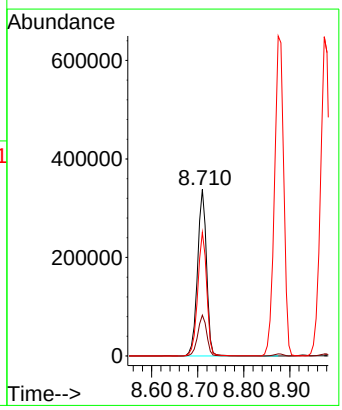
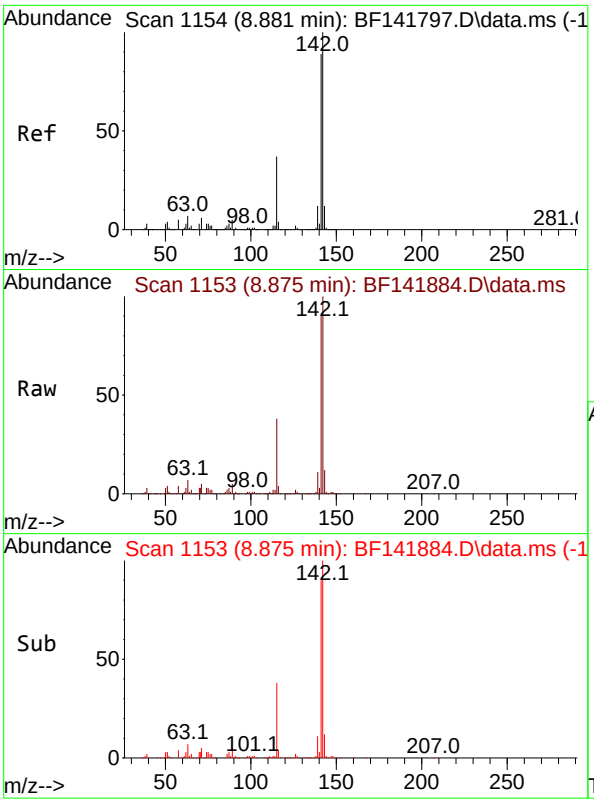


#36
4-Chloro-3-methylphenol
Concen: 40.419 ng
RT: 8.710 min Scan# 1125
Delta R.T. -0.000 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:107 Resp: 458784

Ion	Ratio	Lower	Upper
107	100		
144	24.5	19.4	29.0
142	74.2	59.4	89.0

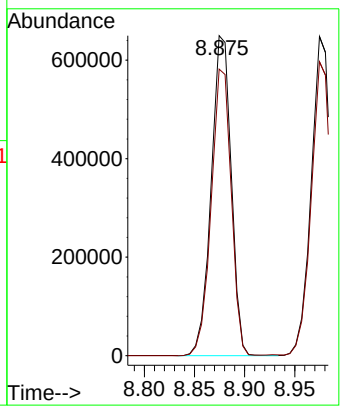




#37
2-Methylnaphthalene
Concen: 37.299 ng
RT: 8.875 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:142 Resp: 90141

Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.1	106.7



Instrument :
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ClientSampleId :
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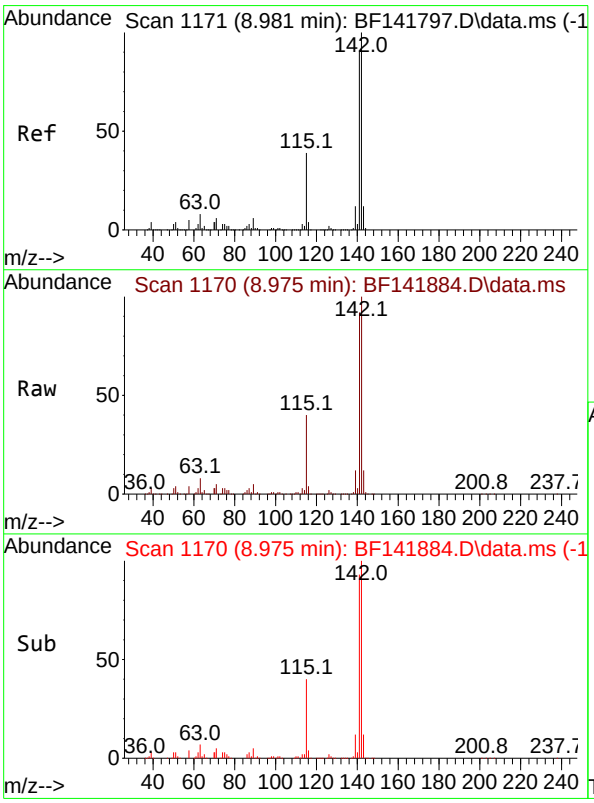
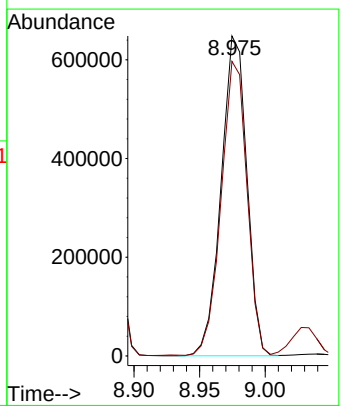
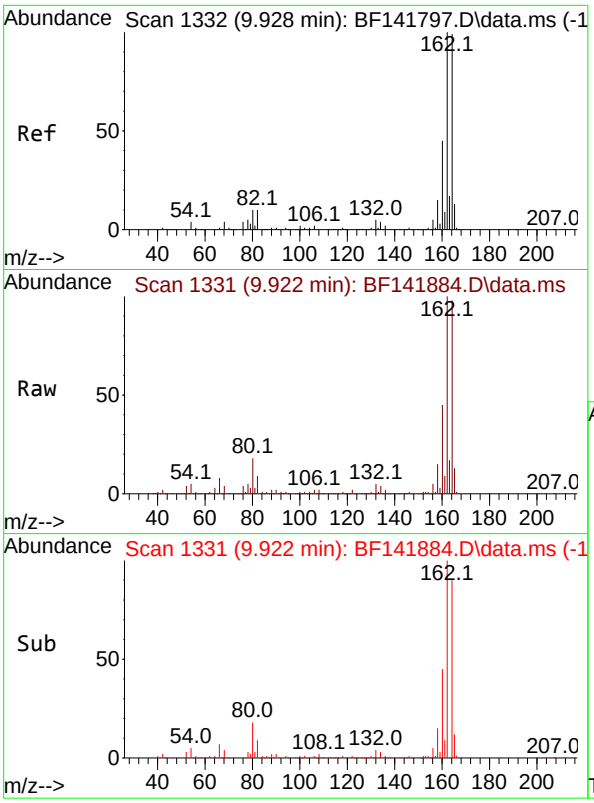


#38
1-Methylnaphthalene
Concen: 38.109 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:142 Resp: 883724

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.1	109.7

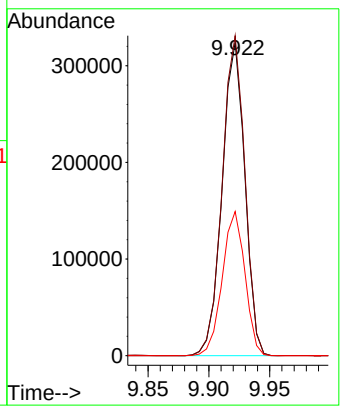




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:164 Resp: 41993

Ion	Ratio	Lower	Upper
164	100		
162	102.3	80.6	120.8
160	46.1	36.3	54.5



Instrument :
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ClientSampleId :
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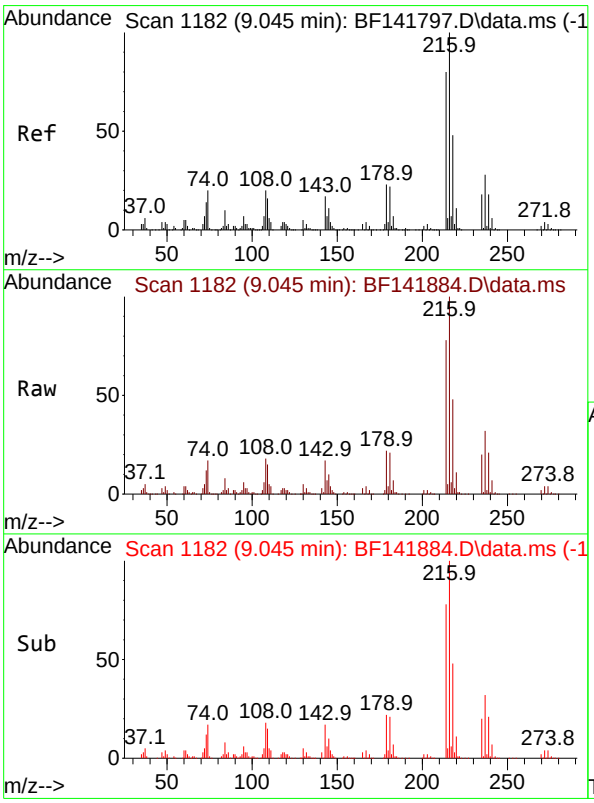
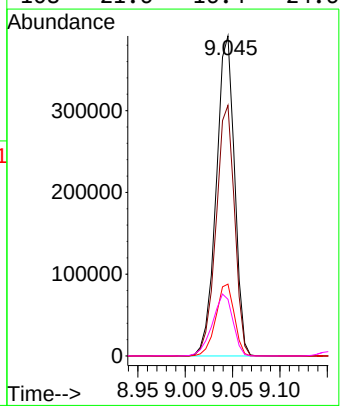
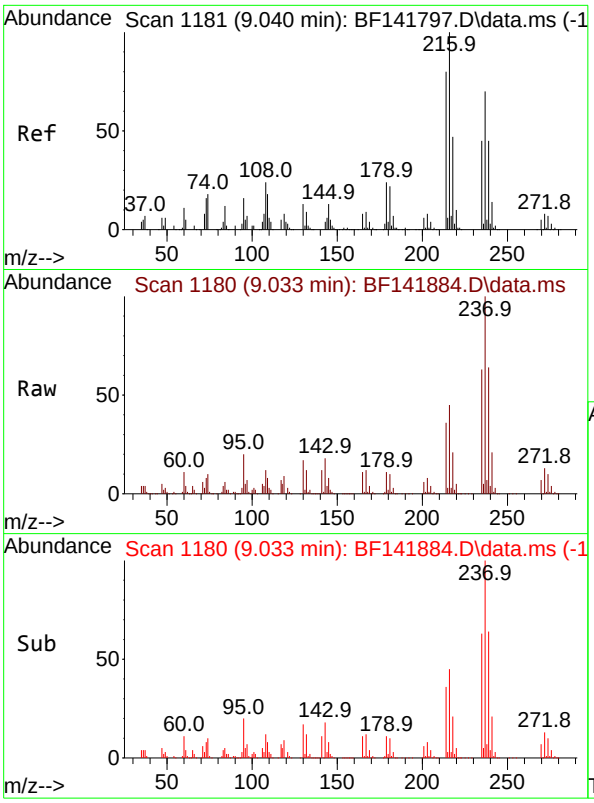


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.470 ng
RT: 9.045 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:216 Resp: 527217

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.5	95.3
179	22.7	18.1	27.1
108	21.6	16.4	24.6





#41
Hexachlorocyclopentadiene
Concen: 134.228 ng
RT: 9.033 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:237 Resp: 67938

Ion	Ratio	Lower	Upper
237	100		
235	63.2	43.3	83.3
272	12.7	0.0	31.9

Instrument :
BNA_F
ClientSampleId :
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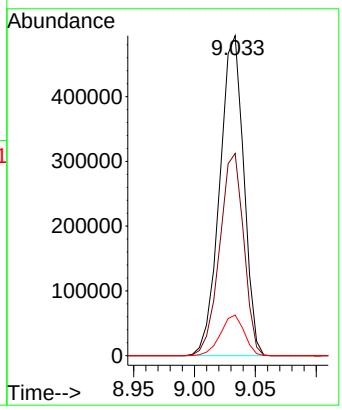
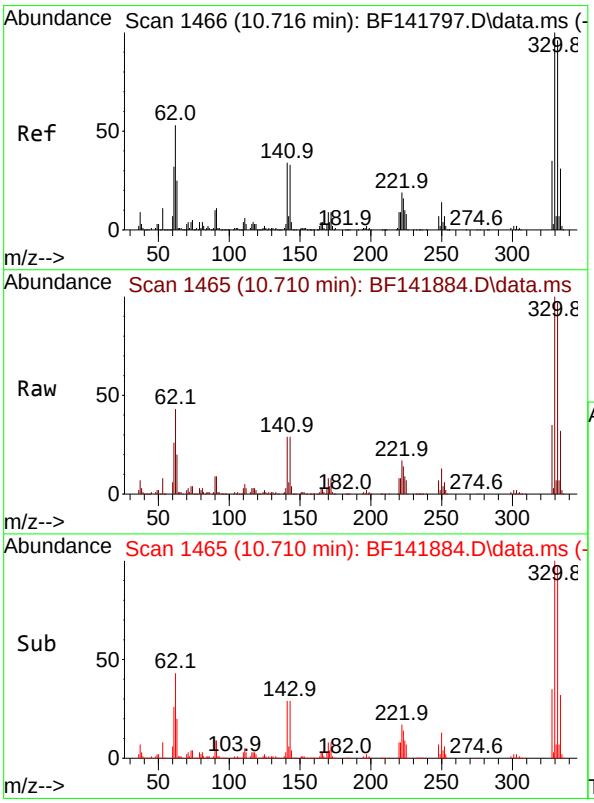
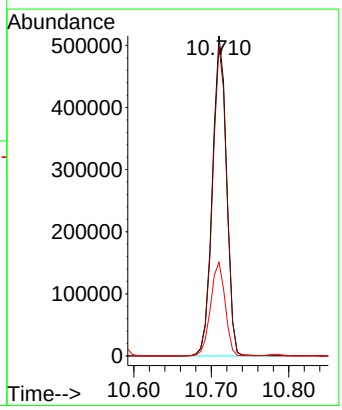


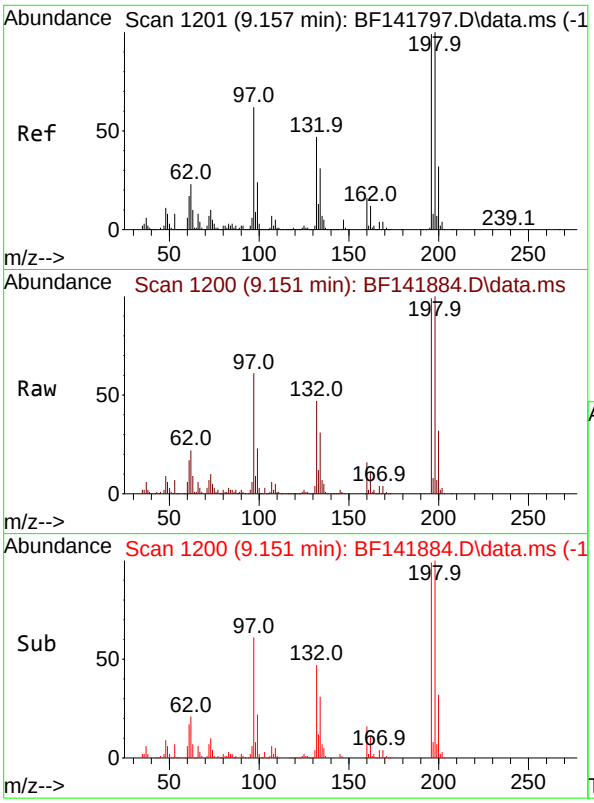


#42
2,4,6-Tribromophenol
Concen: 165.858 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:330 Resp: 653885

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.6	115.0
141	30.0	29.0	43.4

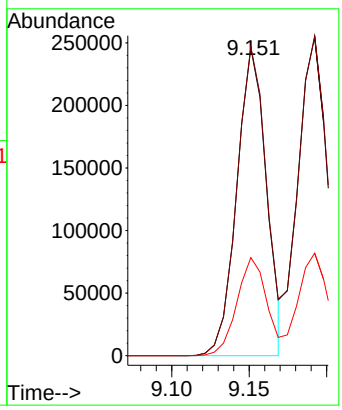




#43
2,4,6-Trichlorophenol
Concen: 41.597 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:196 Resp: 32588

Ion	Ratio	Lower	Upper
196	100		
198	100.6	80.4	120.6
200	31.9	25.7	38.5



Instrument :
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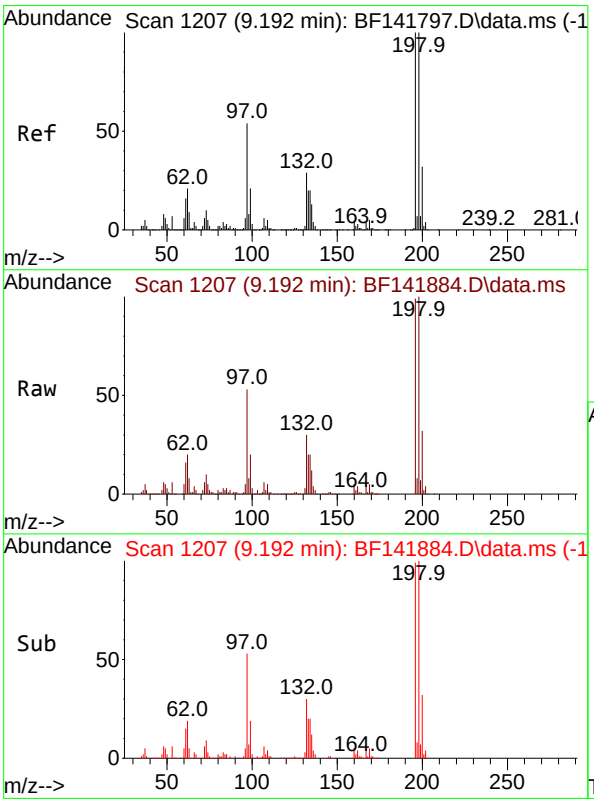
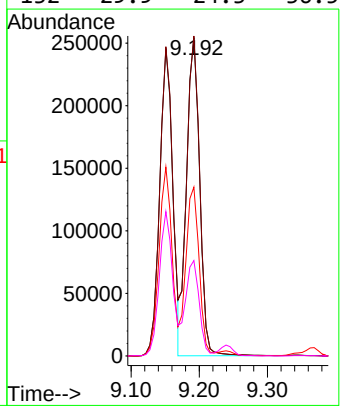
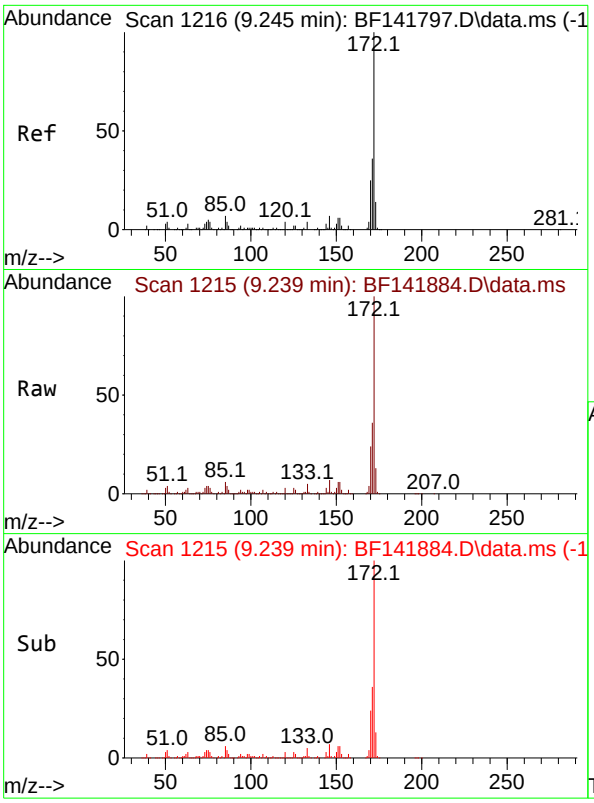


#44
2,4,5-Trichlorophenol
Concen: 43.780 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.000 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:196 Resp: 339634

Ion	Ratio	Lower	Upper
196	100		
198	100.5	79.7	119.5
97	53.0	44.2	66.2
132	29.9	24.3	36.5

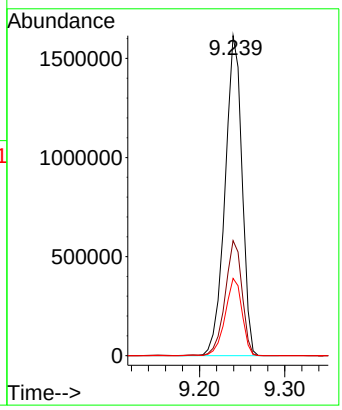




#45
2-Fluorobiphenyl
Concen: 85.594 ng
RT: 9.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:172 Resp: 224166

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.2	43.8
170	24.2	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
PB167016BS

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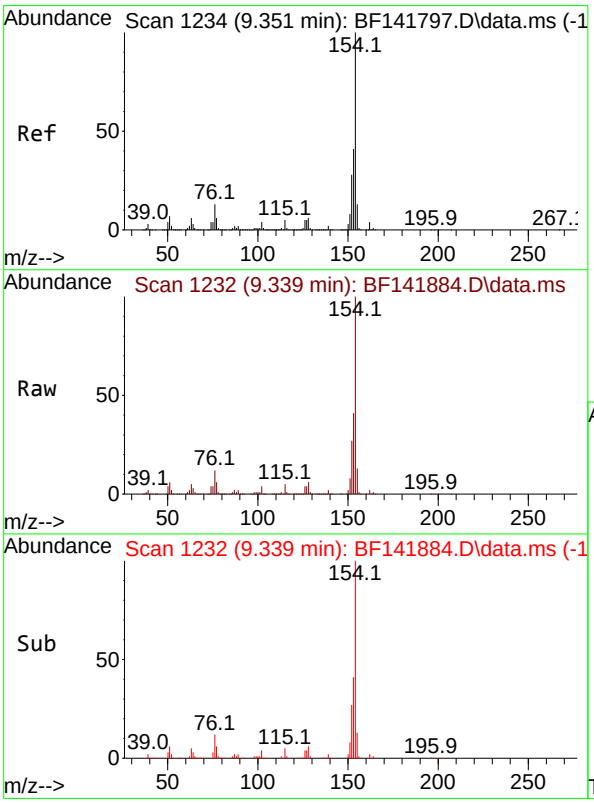
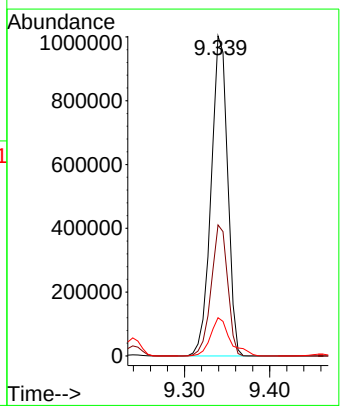
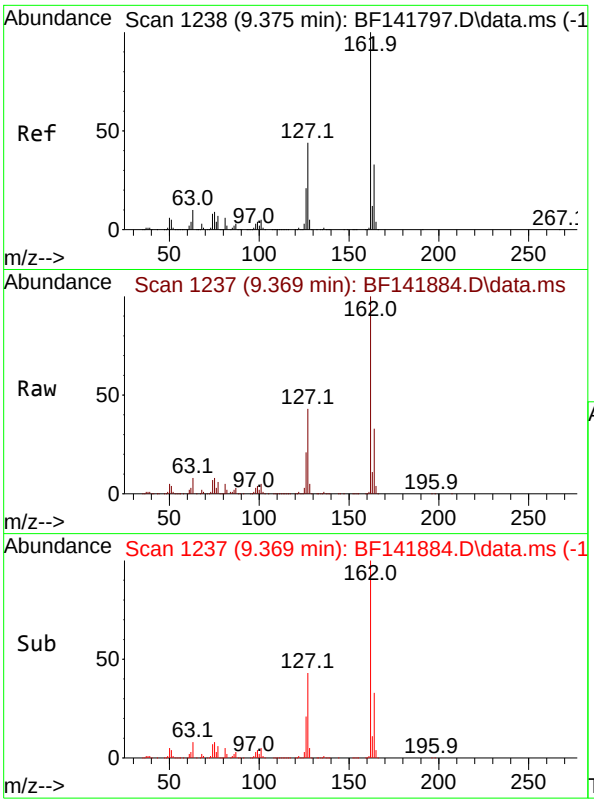


#46
1,1'-Biphenyl
Concen: 42.212 ng
RT: 9.339 min Scan# 1232
Delta R.T. -0.012 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:154 Resp: 1349271

Ion	Ratio	Lower	Upper
154	100		
153	40.9	21.4	61.4
76	12.0	0.0	33.4

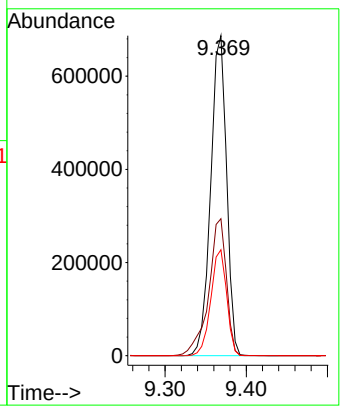




#47
2-Chloronaphthalene
Concen: 39.571 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:162 Resp: 93355

Ion	Ratio	Lower	Upper
162	100		
127	42.8	35.0	52.6
164	33.1	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
PB167016BS

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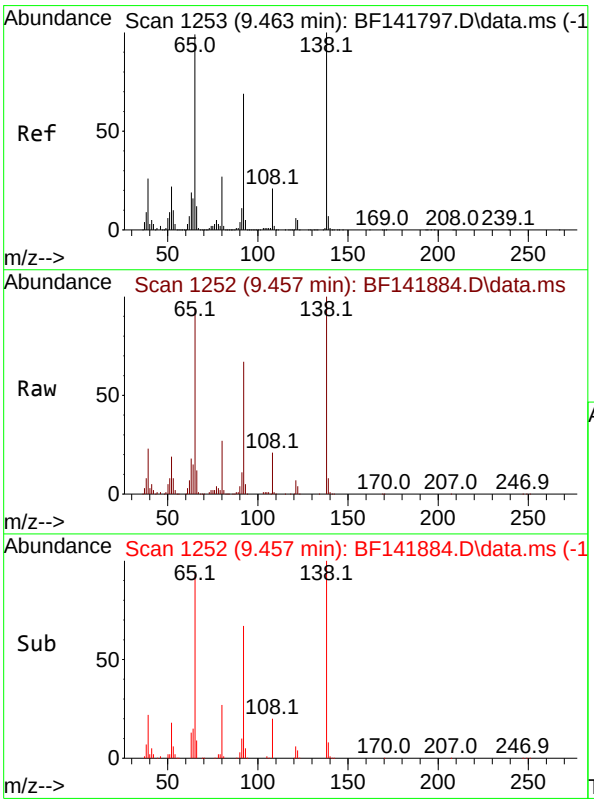
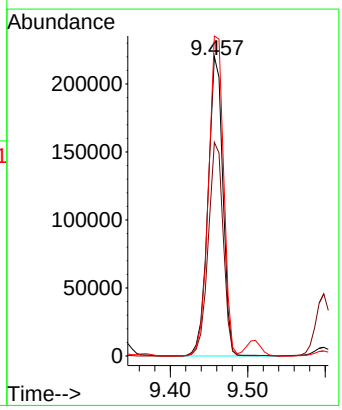
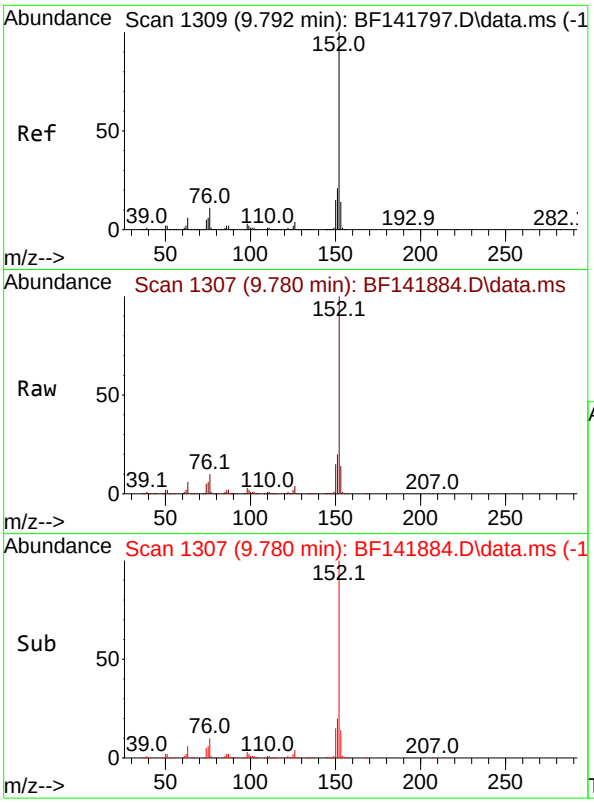


#48
2-Nitroaniline
Concen: 45.846 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion: 65 Resp: 294678

Ion	Ratio	Lower	Upper
65	100		
92	71.3	55.7	83.5
138	106.9	80.6	121.0

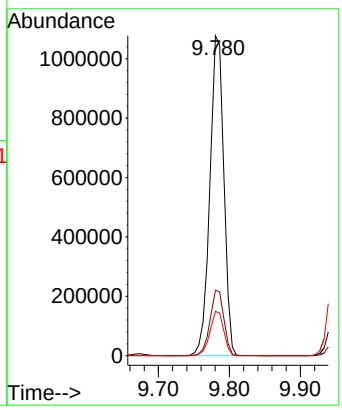




#49
Acenaphthylene
Concen: 41.660 ng
RT: 9.780 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:152 Resp: 147358

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.6	24.8
153	13.9	11.2	16.8



Instrument :
BNA_F
ClientSampleId :
PB167016BS

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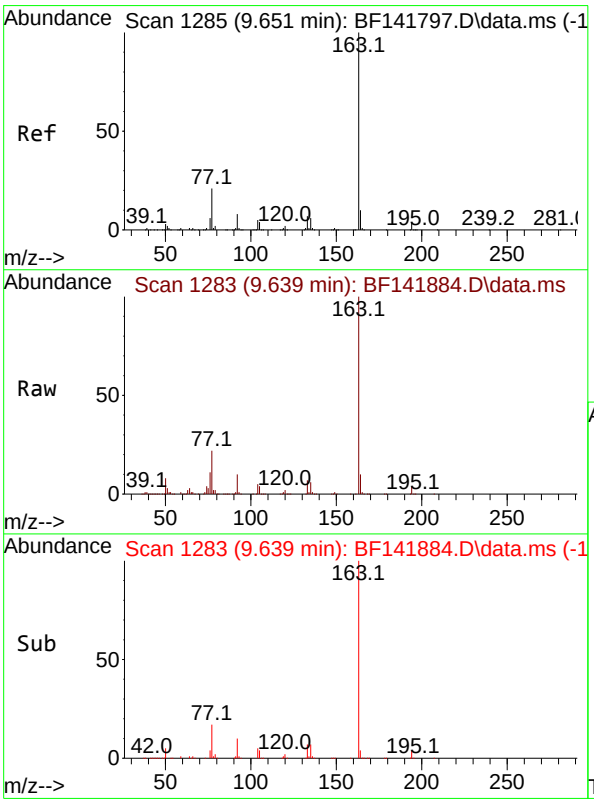
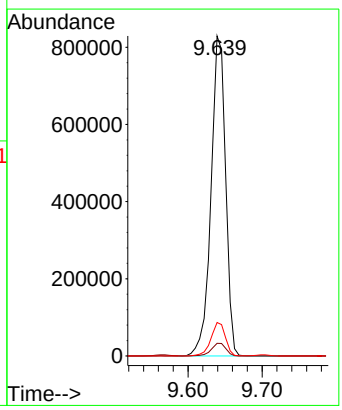
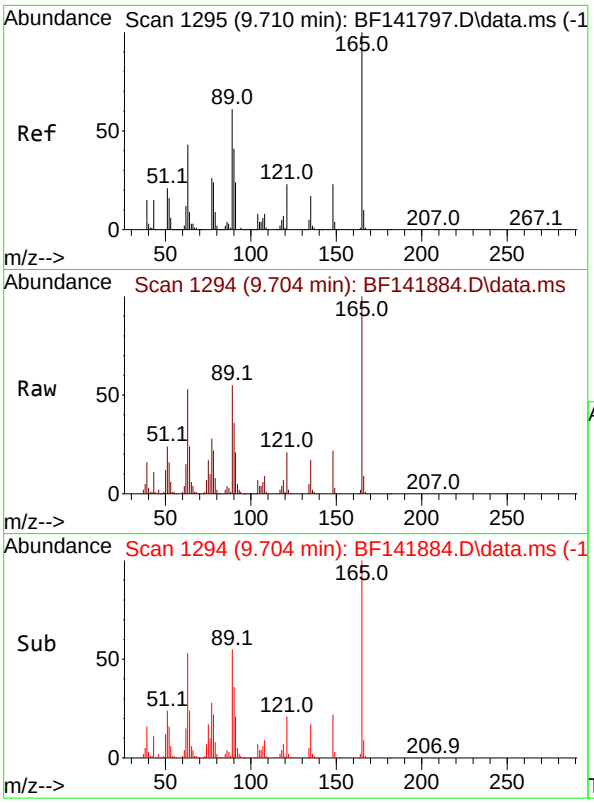


#50
Dimethylphthalate
Concen: 40.251 ng
RT: 9.639 min Scan# 1283
Delta R.T. -0.012 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:163 Resp: 1131944

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.5	8.4	12.6





#51
2,6-Dinitrotoluene
Concen: 46.673 ng
RT: 9.704 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:165 Resp: 25064

Ion	Ratio	Lower	Upper
165	100		
63	52.7	49.5	74.3
89	55.5	49.0	73.4

Instrument :
BNA_F
ClientSampleId :
PB167016BS

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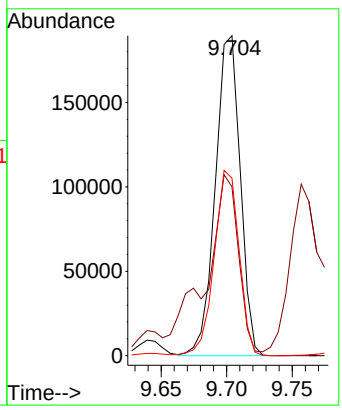
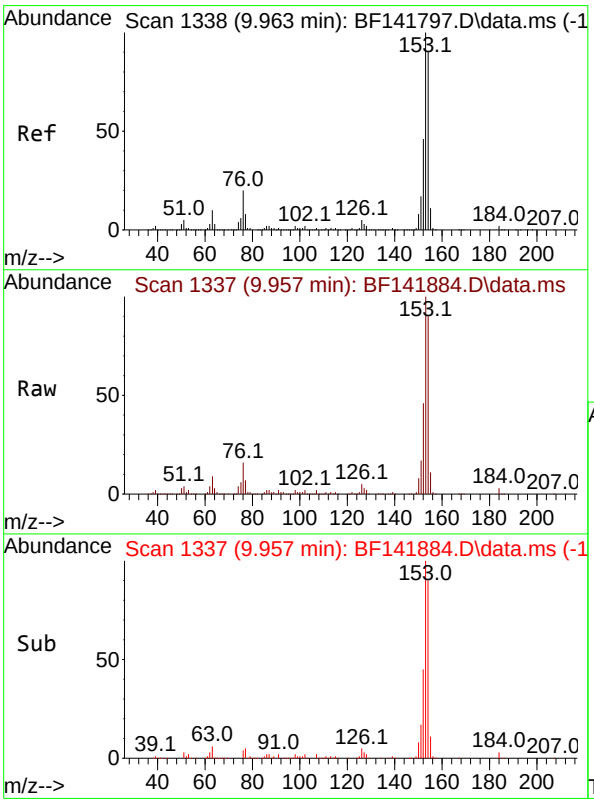
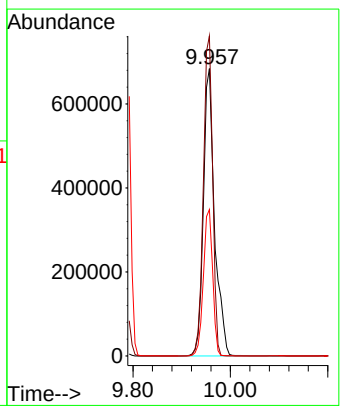


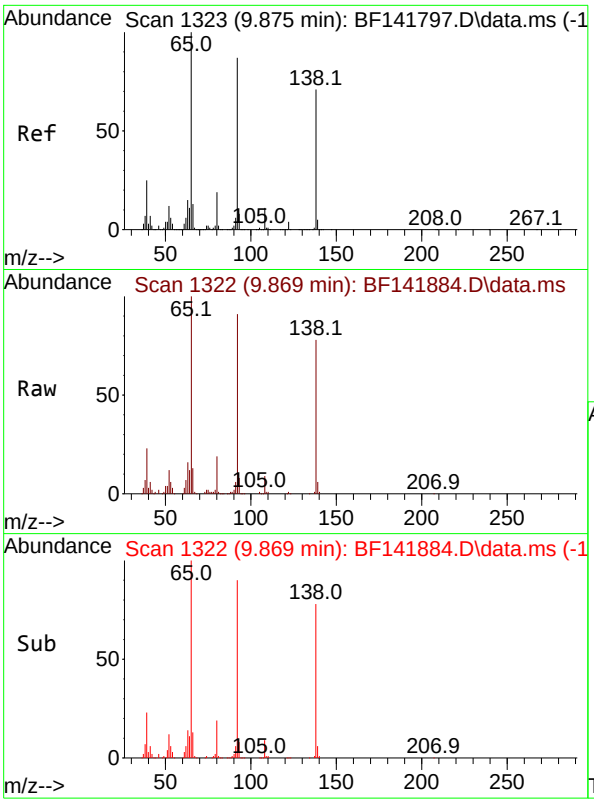


#52
Acenaphthene
Concen: 45.624 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:154 Resp: 1088895

Ion	Ratio	Lower	Upper
154	100		
153	111.4	88.7	133.1
152	51.0	40.9	61.3





#53
3-Nitroaniline
Concen: 31.287 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:138 Resp: 17298

Ion	Ratio	Lower	Upper
138	100		
108	11.6	12.7	19.1#
92	116.5	97.9	146.9

Instrument :
BNA_F
ClientSampleId :
PB167016BS

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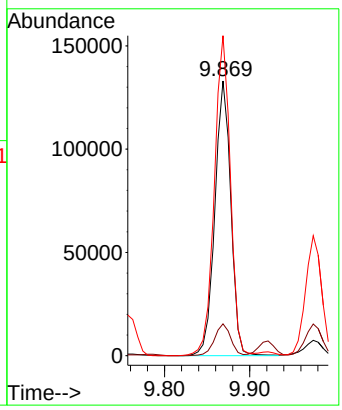
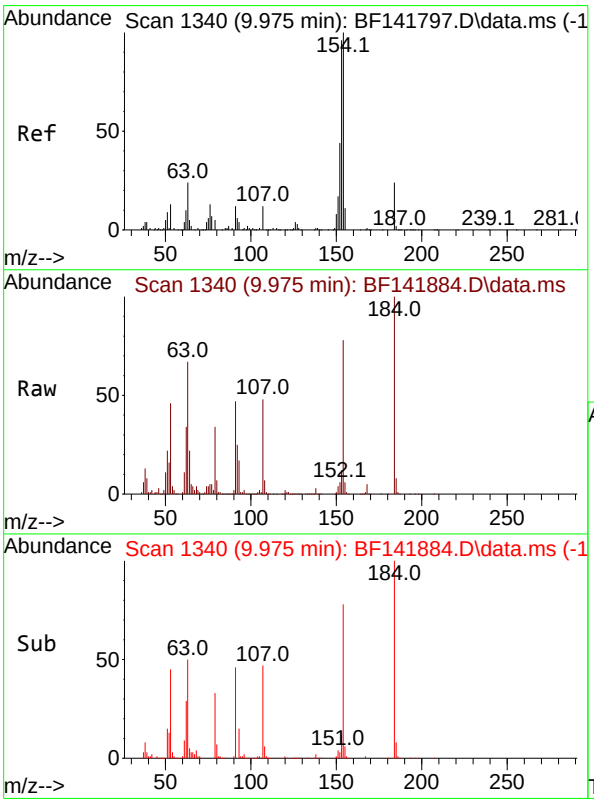
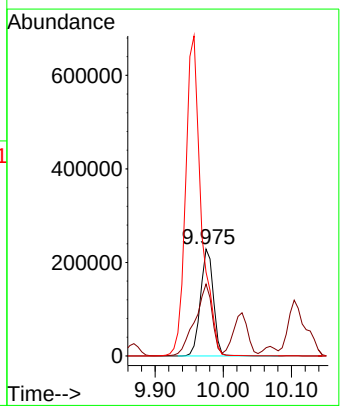


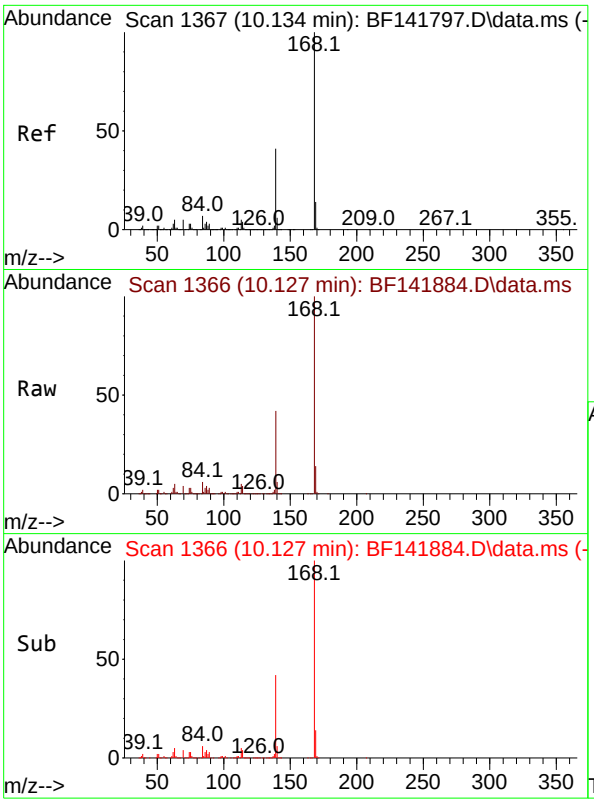


#54
2,4-Dinitrophenol
Concen: 108.480 ng
RT: 9.975 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:184 Resp: 300997

Ion	Ratio	Lower	Upper
184	100		
63	67.2	79.0	118.6#
154	78.4	335.8	503.8#

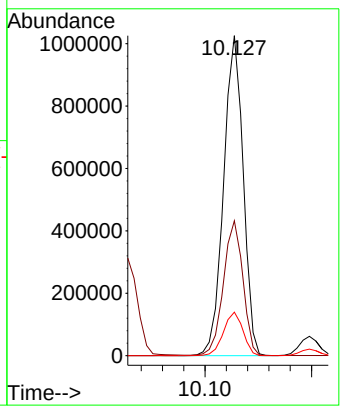




#55
Dibenzofuran
Concen: 37.617 ng
RT: 10.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:168 Resp: 130675

Ion	Ratio	Lower	Upper
168	100		
139	42.2	32.9	49.3
169	13.6	11.1	16.7



Instrument :
BNA_F
ClientSampleId :
PB167016BS

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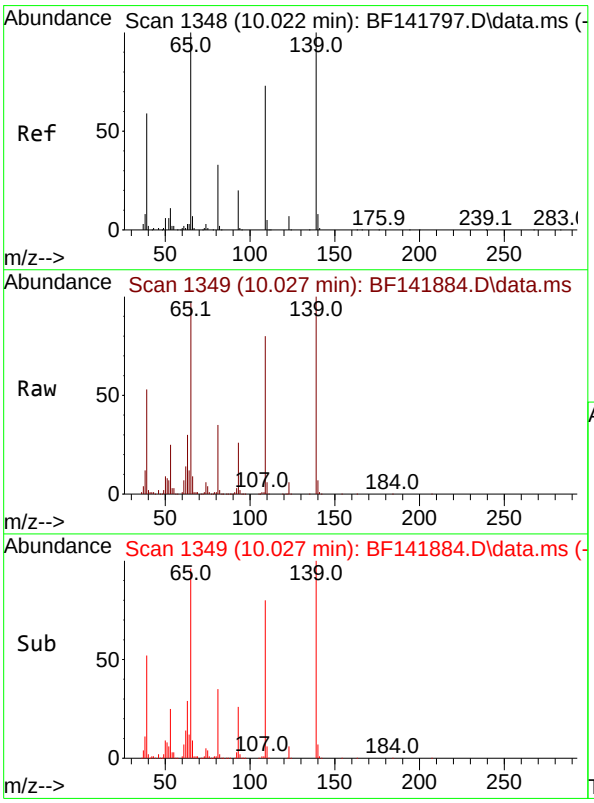
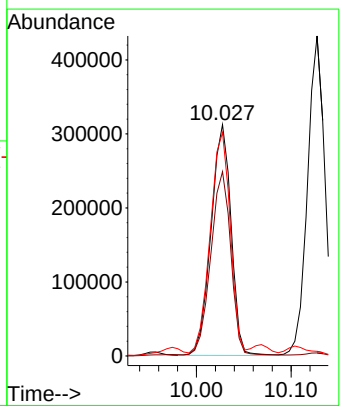
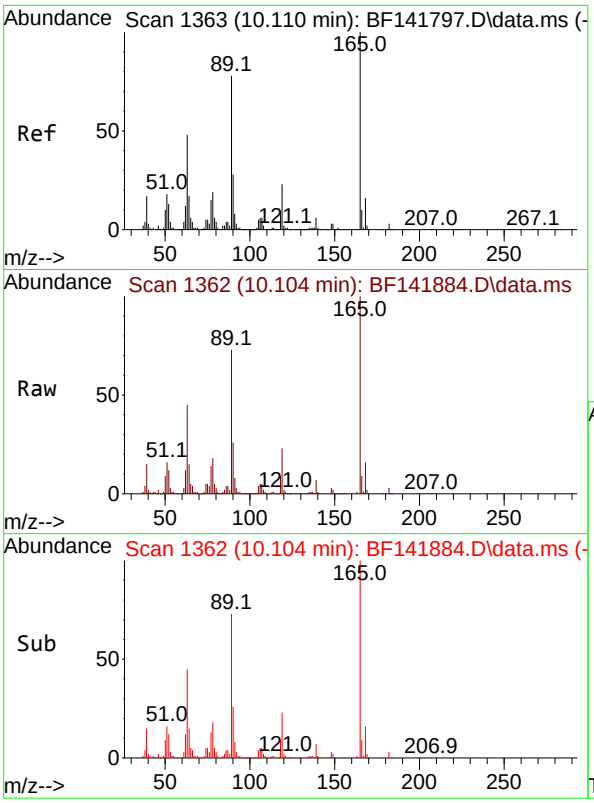


#56
4-Nitrophenol
Concen: 110.375 ng
RT: 10.027 min Scan# 1349
Delta R.T. 0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:139 Resp: 458442

Ion	Ratio	Lower	Upper
139	100		
109	79.6	53.4	93.4
65	96.6	82.1	122.1

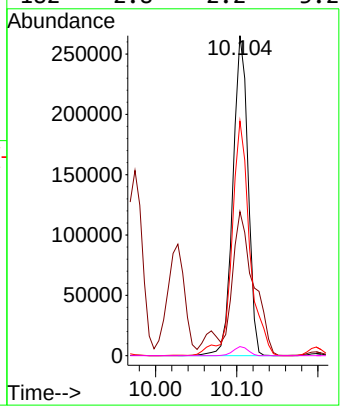




#57
2,4-Dinitrotoluene
Concen: 51.931 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:165 Resp: 34328

Ion	Ratio	Lower	Upper
165	100		
63	45.0	38.8	58.2
89	73.3	62.6	94.0
182	2.8	2.2	3.2



Instrument :
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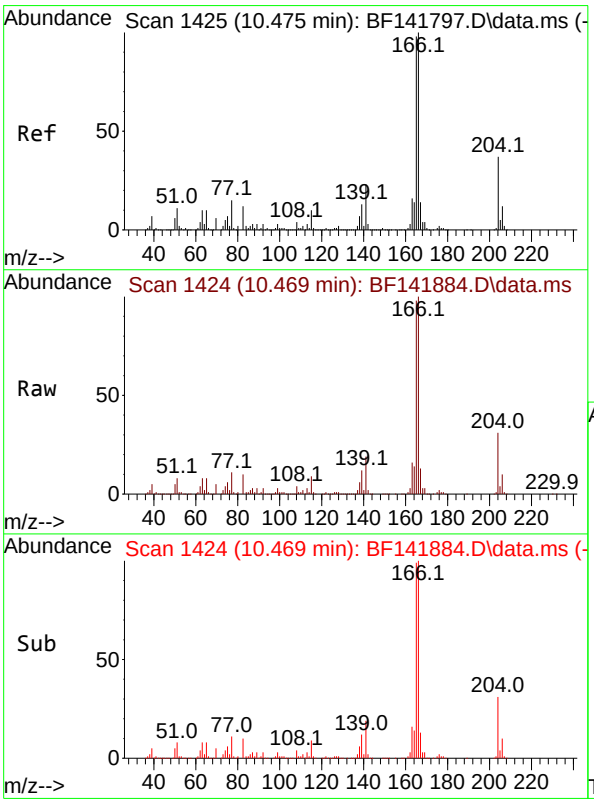
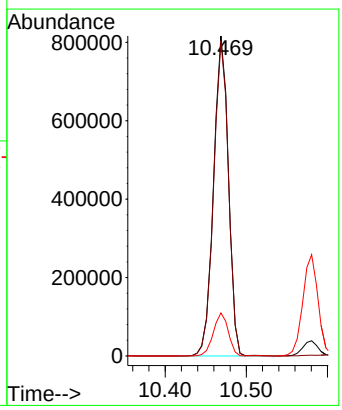
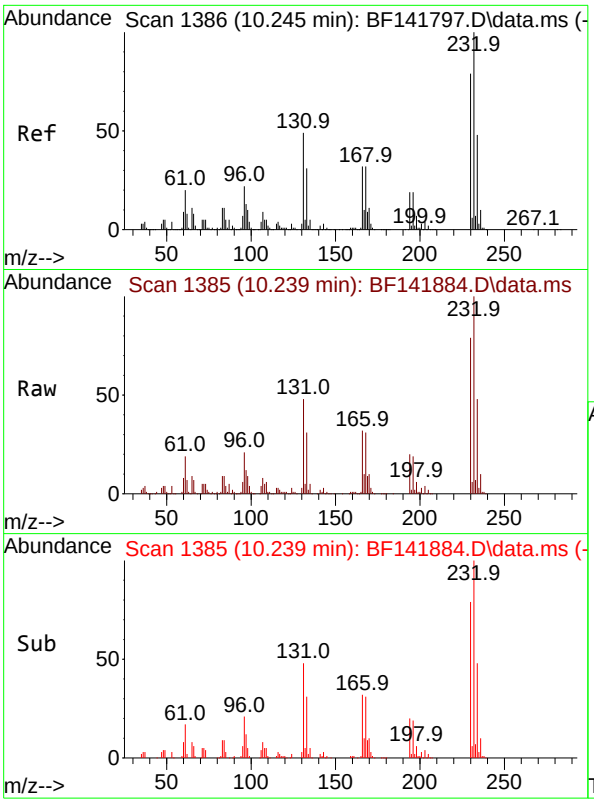


#58
Fluorene
Concen: 39.924 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:166 Resp: 1038850

Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.6	117.8
167	13.4	11.0	16.4

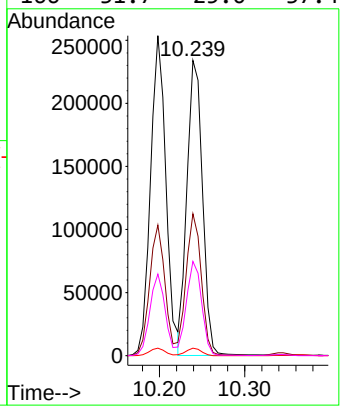




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.989 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:232 Resp: 29679

Ion	Ratio	Lower	Upper
232	100		
131	47.8	37.8	56.8
130	2.5	2.0	3.0
166	31.7	25.0	37.4



Instrument :
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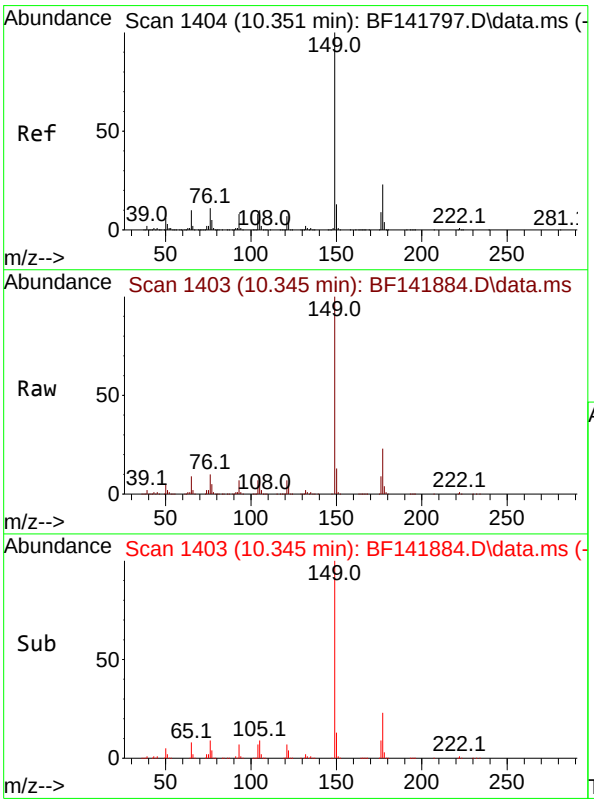
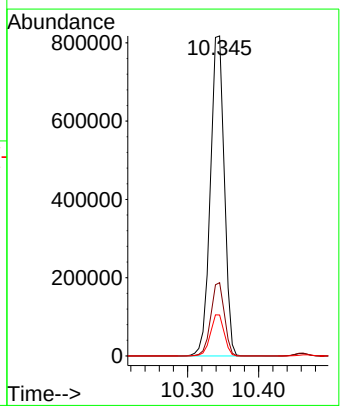
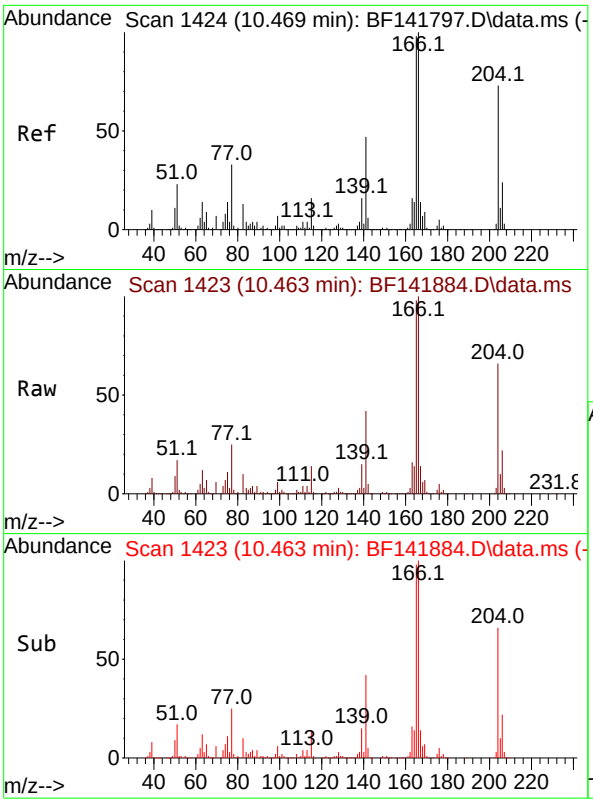


#60
Diethylphthalate
Concen: 39.449 ng
RT: 10.345 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:149 Resp: 1112154

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.3	27.5
150	12.8	10.3	15.5





#61
4-Chlorophenyl-phenylether
Concen: 39.795 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:204 Resp: 51882

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.2	39.4
141	63.6	51.7	77.5

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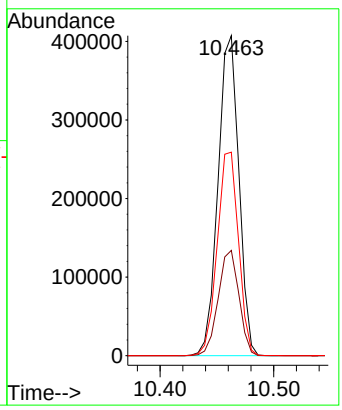
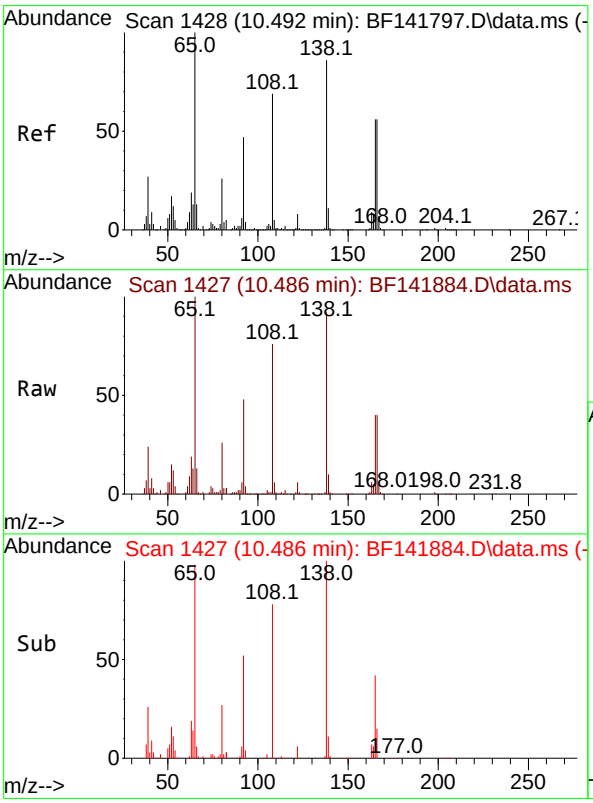
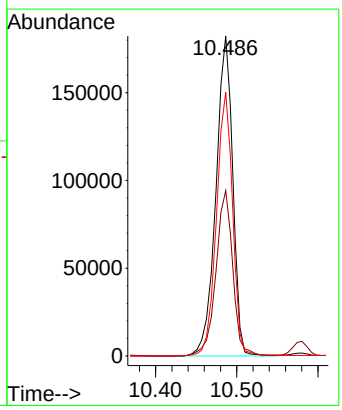


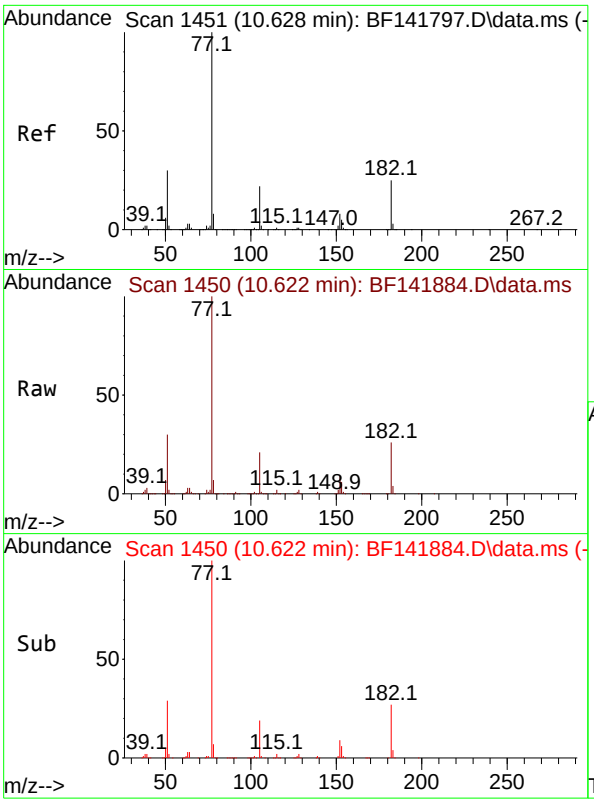


#62
4-Nitroaniline
Concen: 54.891 ng
RT: 10.486 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:138 Resp: 263619

Ion	Ratio	Lower	Upper
138	100		
92	51.7	34.9	74.9
108	82.4	59.6	99.6

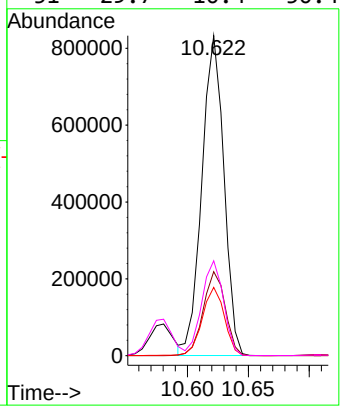




#63
Azobenzene
Concen: 35.354 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion: 77 Resp: 104943

Ion	Ratio	Lower	Upper
77	100		
182	26.2	4.2	44.2
105	21.4	1.5	41.5
51	29.7	10.4	50.4



Instrument :
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ClientSampleId :
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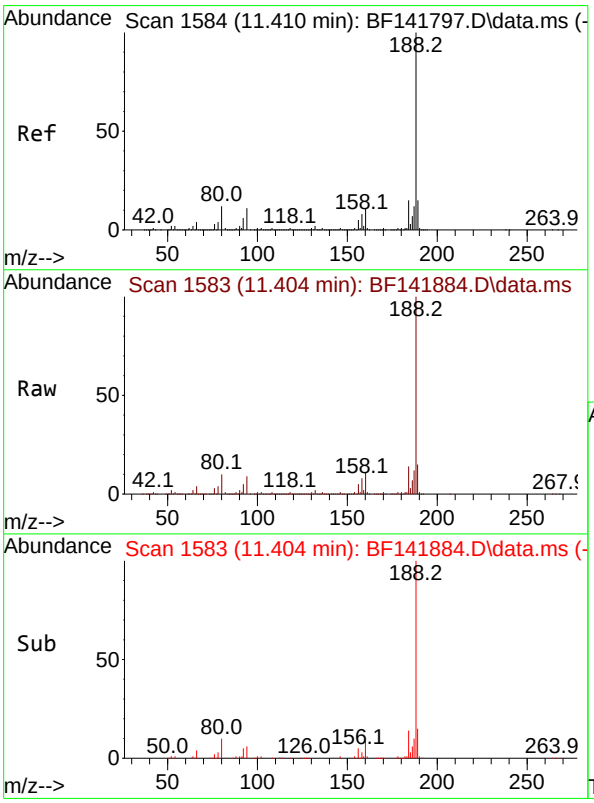
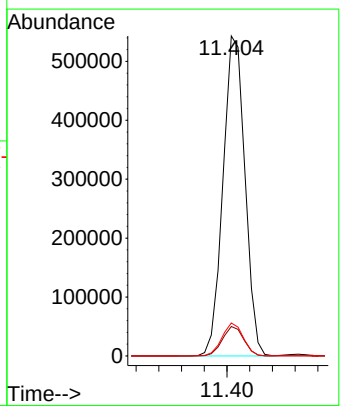
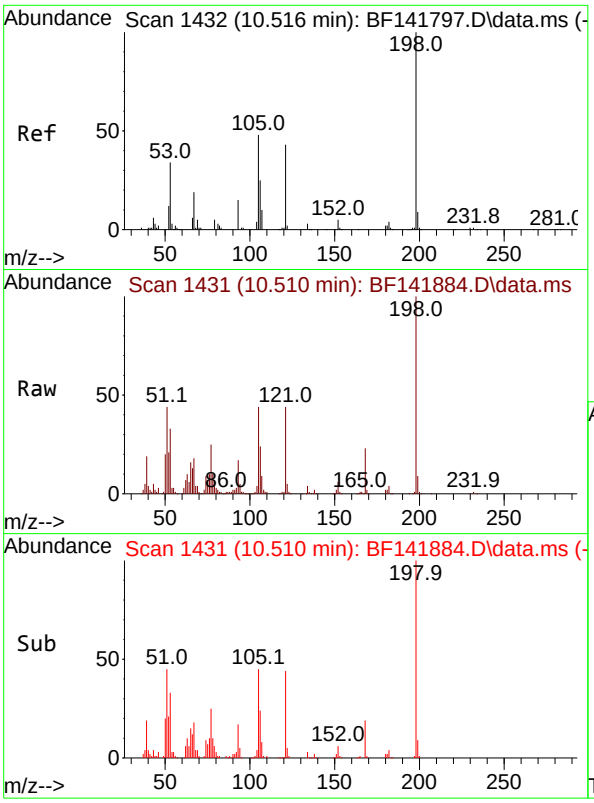


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:188 Resp: 730268

Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.9	13.3
80	10.3	9.7	14.5





#65
4,6-Dinitro-2-methylphenol
Concen: 53.979 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:198 Resp: 18981(

Ion	Ratio	Lower	Upper
198	100		
51	44.4	32.1	72.1
105	44.2	28.5	68.5

Instrument :
BNA_F
ClientSampleId :
PB167016BS

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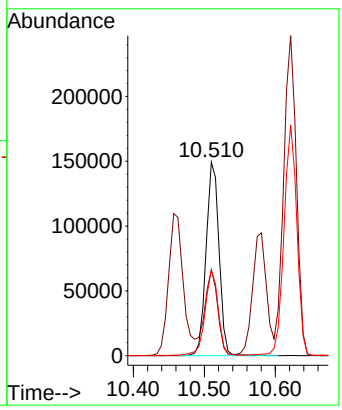
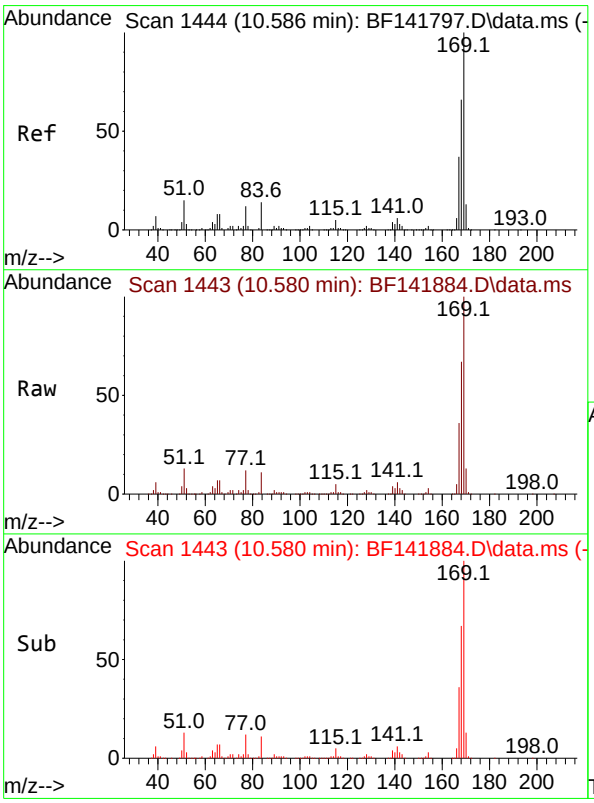
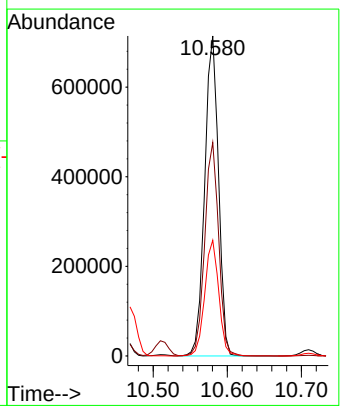


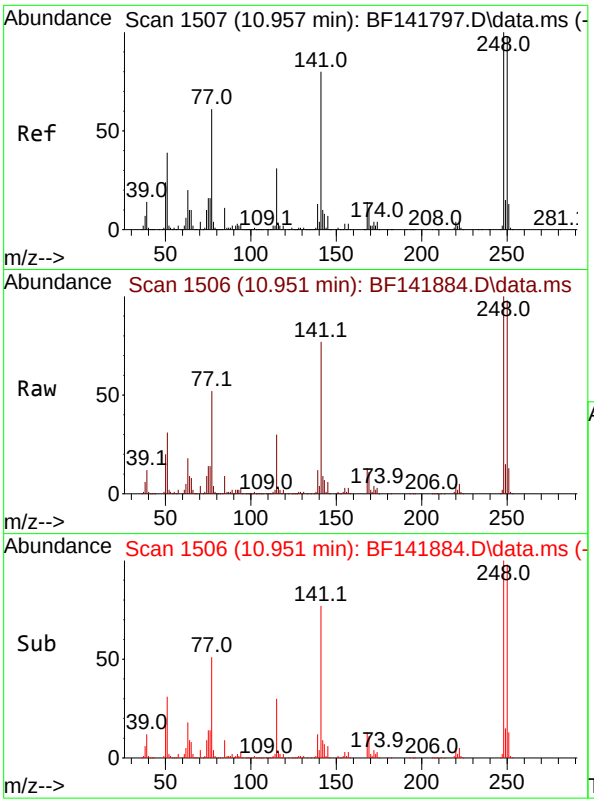


#66
n-Nitrosodiphenylamine
Concen: 38.494 ng
RT: 10.580 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:169 Resp: 923056

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.0	79.6
167	36.2	29.3	43.9

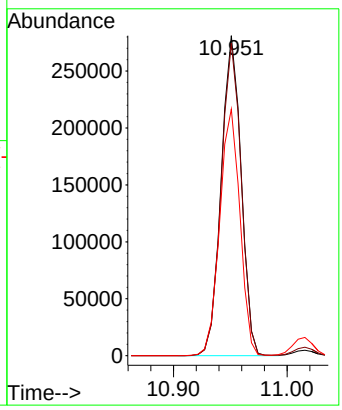




#67
4-Bromophenyl-phenylether
Concen: 40.303 ng
RT: 10.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:248 Resp: 34377

Ion	Ratio	Lower	Upper
248	100		
250	97.7	78.1	117.1
141	77.1	64.3	96.5



Instrument :
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ClientSampleId :
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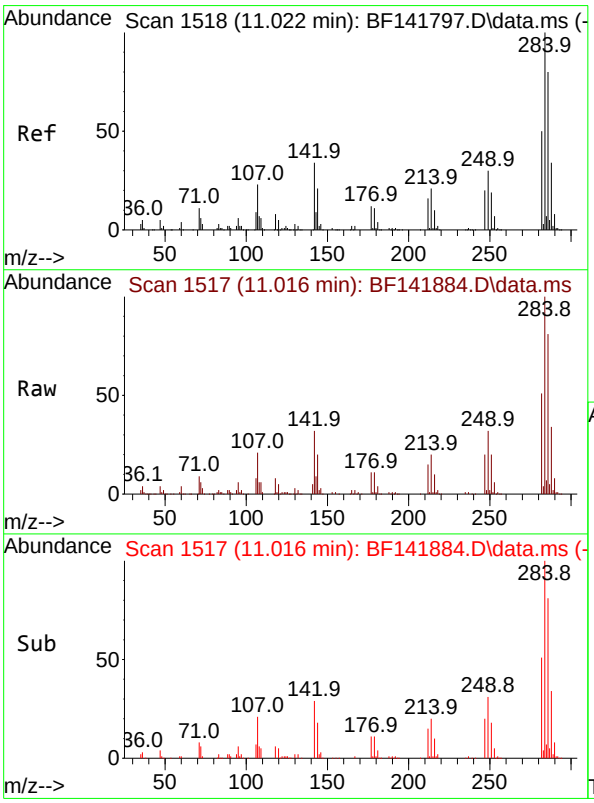
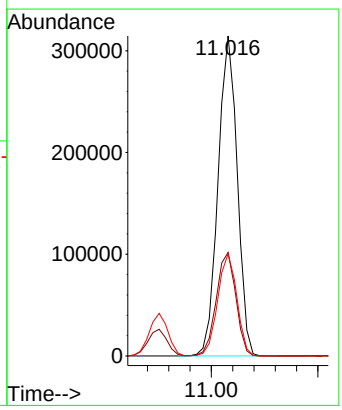
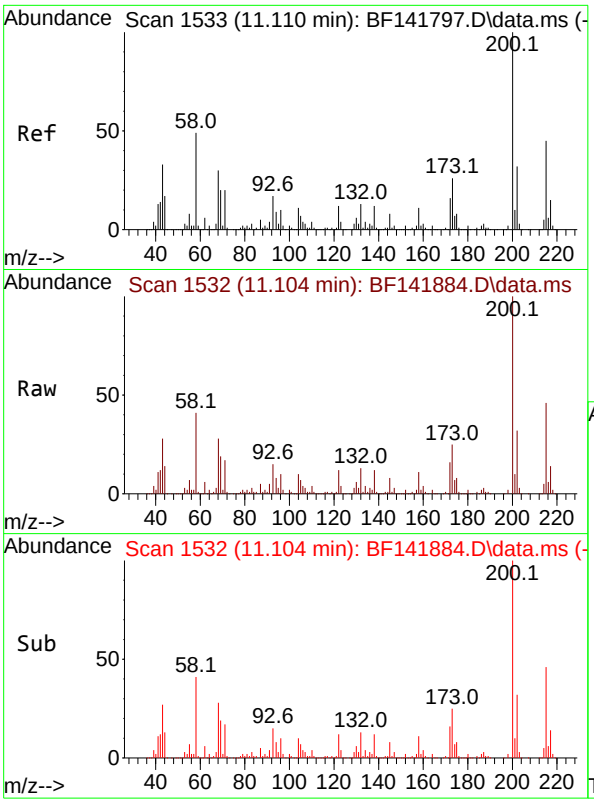


#68
Hexachlorobenzene
Concen: 43.606 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:284 Resp: 392769

Ion	Ratio	Lower	Upper
284	100		
142	32.3	28.2	42.2
249	31.9	25.5	38.3





#69
Atrazine
Concen: 58.418 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:200 Resp: 38522

Ion	Ratio	Lower	Upper
200	100		
173	25.3	5.6	45.6
215	46.3	25.3	65.3

Instrument :
BNA_F
ClientSampleId :
PB167016BS

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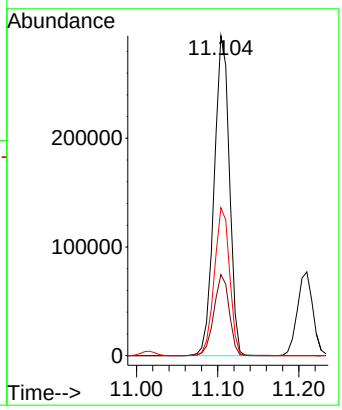
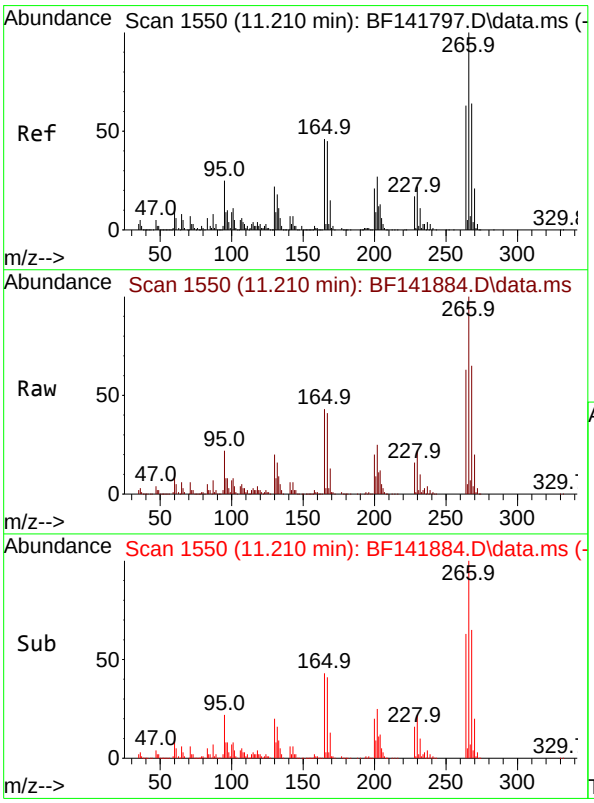
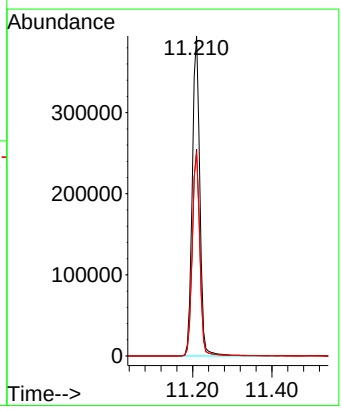


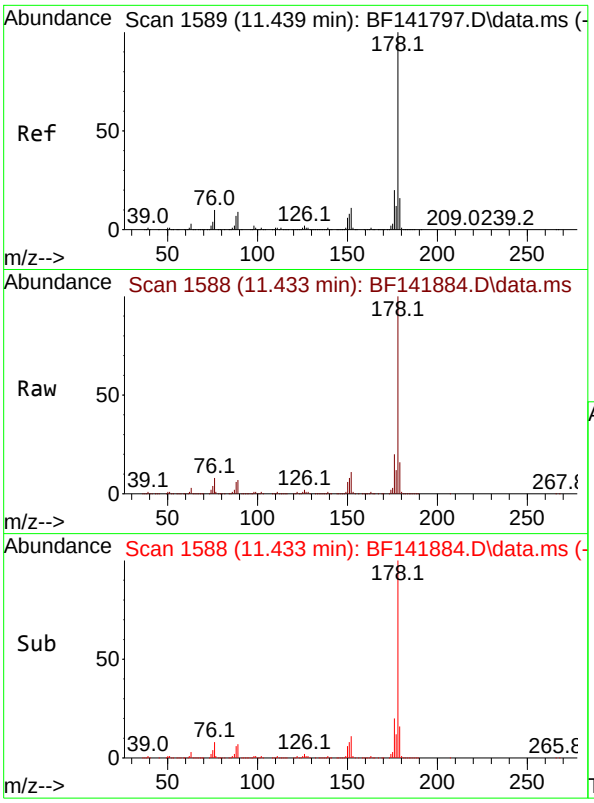


#70
Pentachlorophenol
Concen: 91.729 ng
RT: 11.210 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:266 Resp: 524021

Ion	Ratio	Lower	Upper
266	100		
268	64.7	50.9	76.3
264	63.5	50.2	75.4

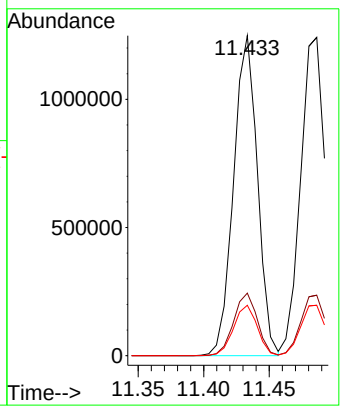




#71
Phenanthrene
Concen: 40.510 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:178 Resp: 158241

Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.0	24.0
179	15.8	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
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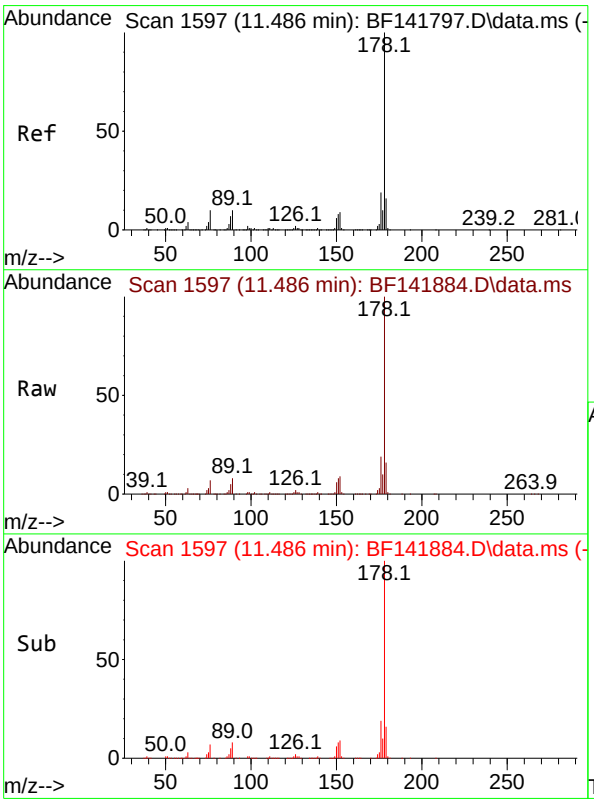
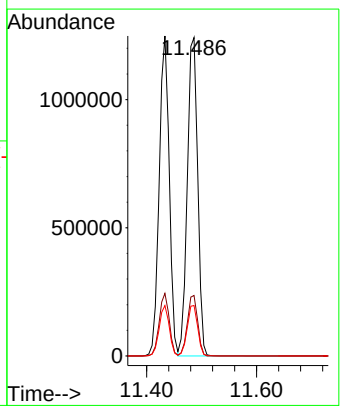
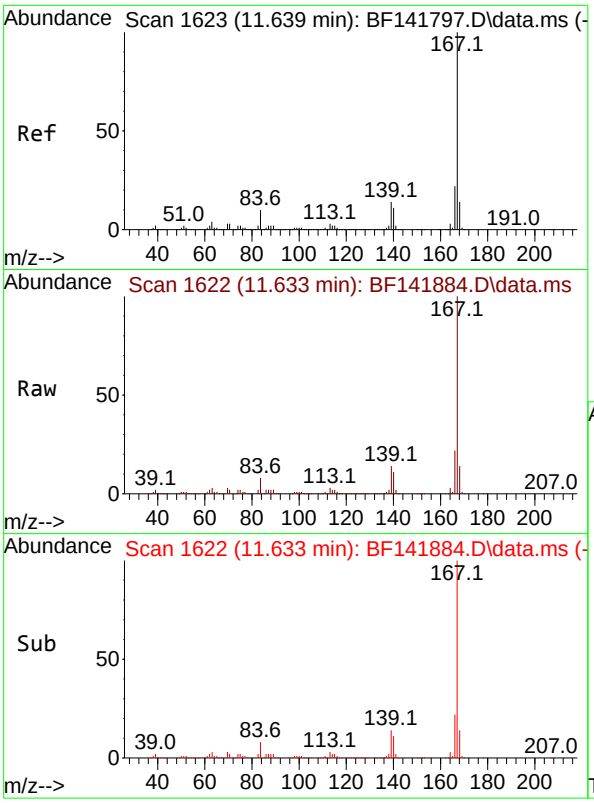


#72
Anthracene
Concen: 41.521 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:178 Resp: 1625497

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.9	12.8	19.2

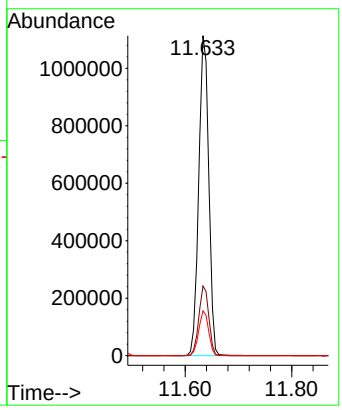




#73
Carbazole
Concen: 42.025 ng
RT: 11.633 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:167 Resp: 145286

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.5	26.3
139	14.0	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
PB167016BS

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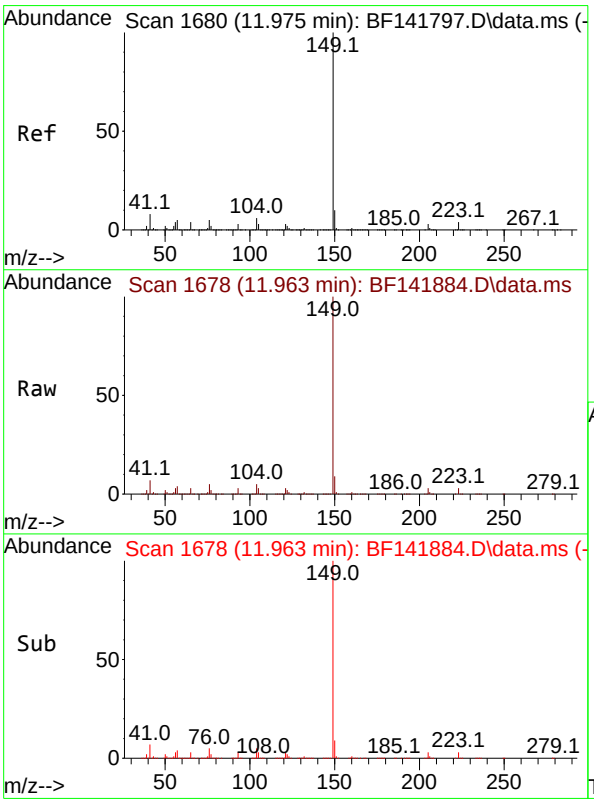
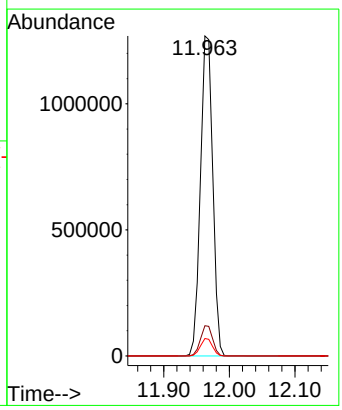
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

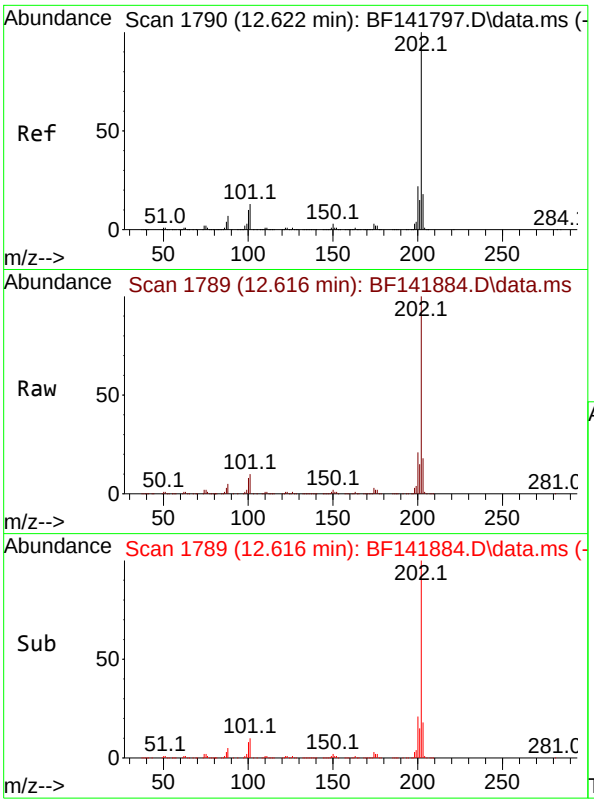


#74
Di-n-butylphthalate
Concen: 37.949 ng
RT: 11.963 min Scan# 1678
Delta R.T. -0.012 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:149 Resp: 1663012

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.7	11.5
104	5.4	4.4	6.6

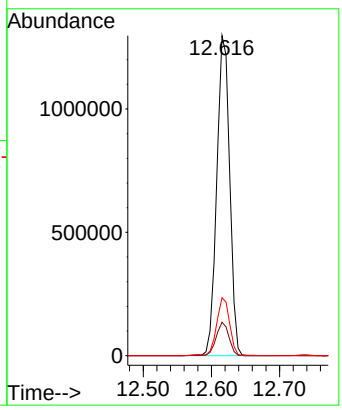




#75
Fluoranthene
Concen: 42.761 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:202 Resp: 171152

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	32.8
203	18.1	0.0	38.0



Instrument :
BNA_F
ClientSampleId :
PB167016BS

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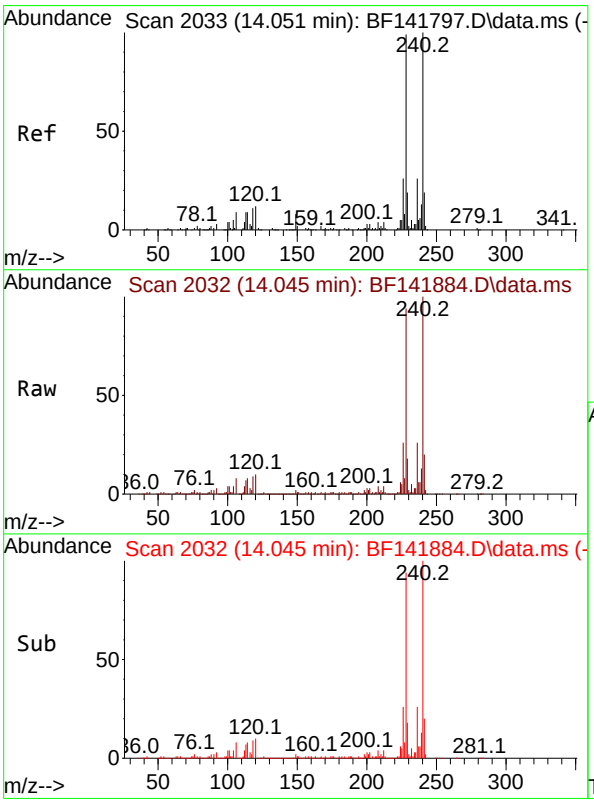
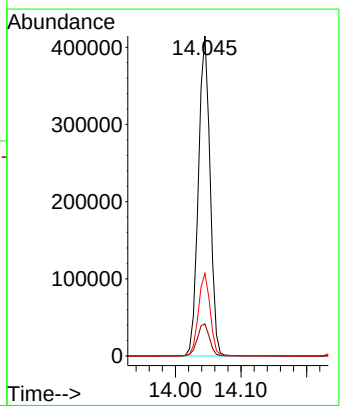
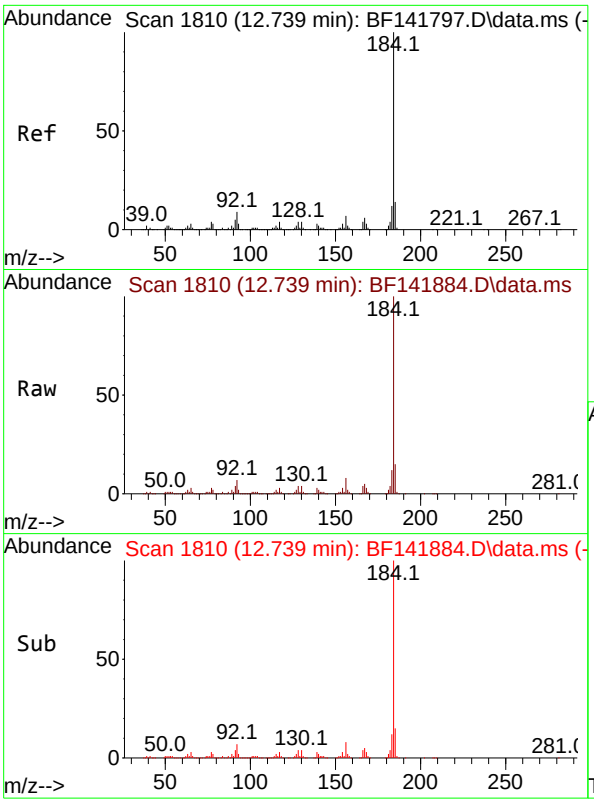


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:240 Resp: 514866

Ion	Ratio	Lower	Upper
240	100		
120	10.1	9.7	14.5
236	25.8	21.0	31.4

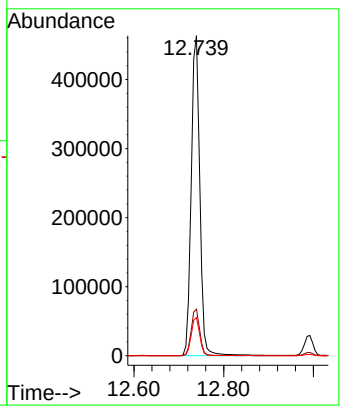




#77
Benzidine
Concen: 94.985 ng
RT: 12.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:184 Resp: 61553

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.6	17.4
183	11.9	9.4	14.0



Instrument :
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ClientSampleId :
PB167016BS

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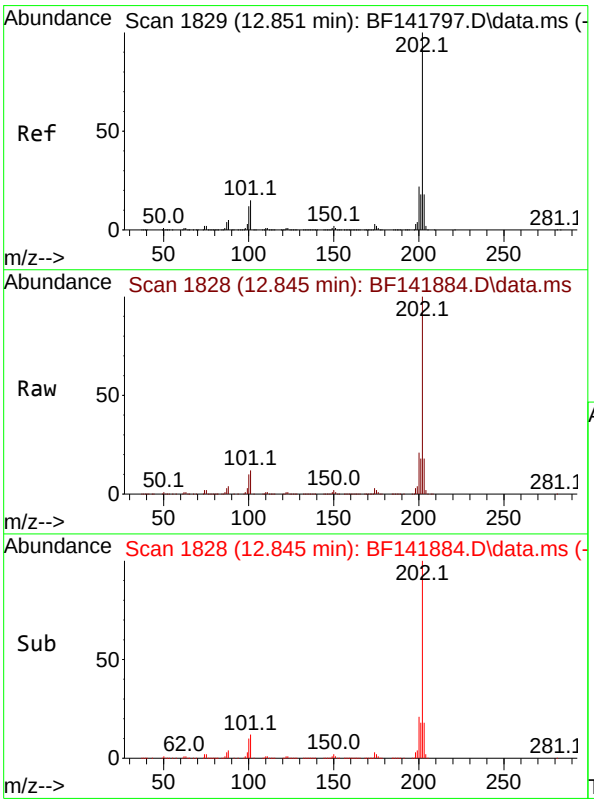
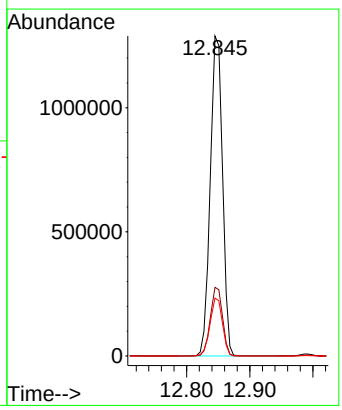
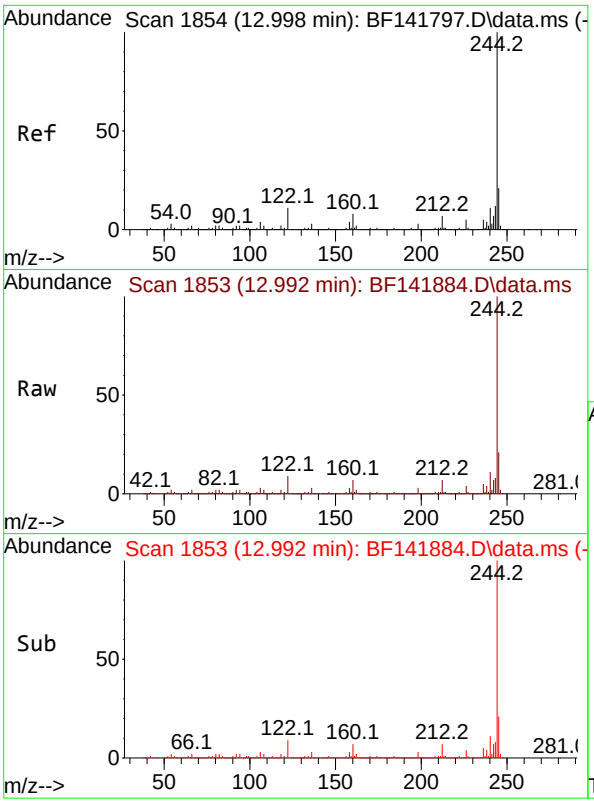


#78
Pyrene
Concen: 39.011 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:202 Resp: 1739277

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.0
203	18.1	14.6	22.0

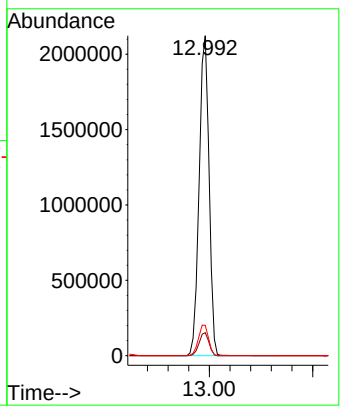




#79
Terphenyl-d14
Concen: 88.480 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:244 Resp: 281566

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	9.5	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
PB167016BS

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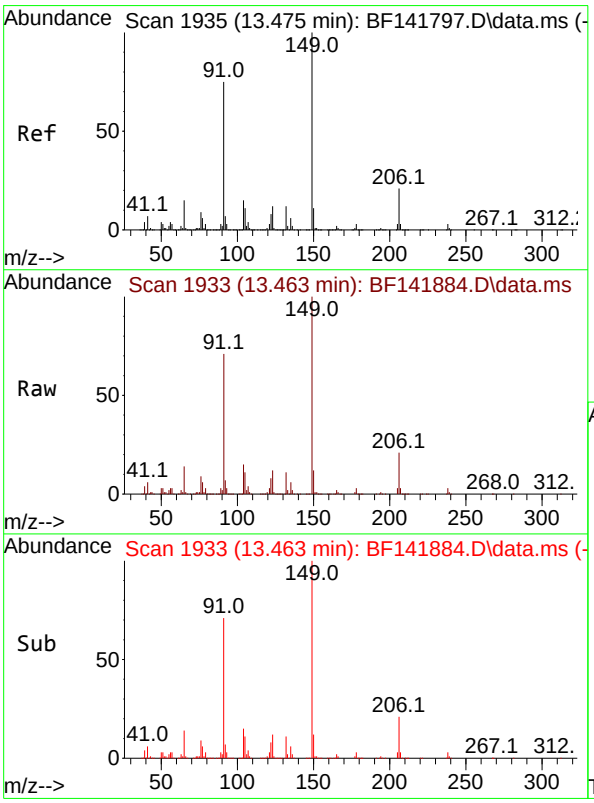
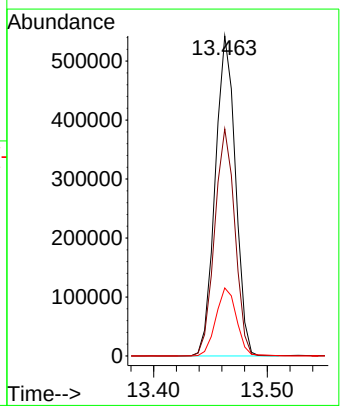
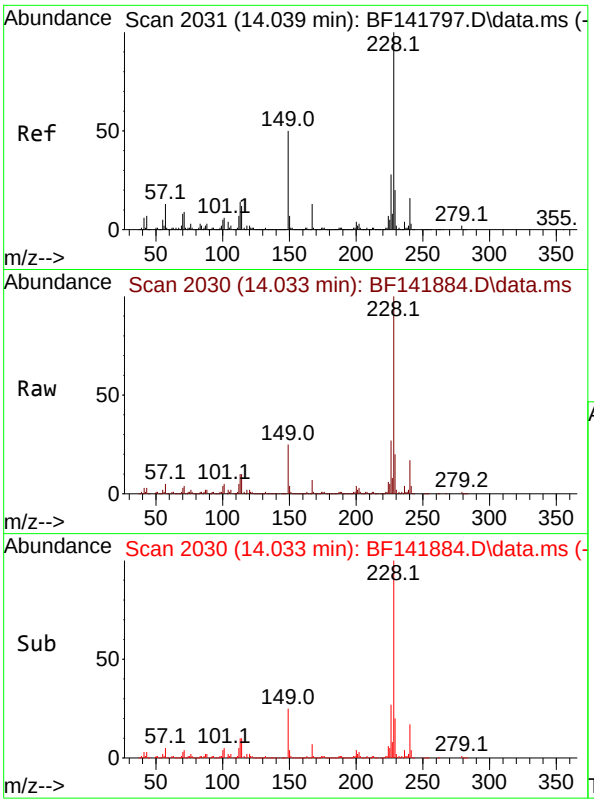


#80
Butylbenzylphthalate
Concen: 41.543 ng
RT: 13.463 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:149 Resp: 672937

Ion	Ratio	Lower	Upper
149	100		
91	70.9	60.1	90.1
206	21.3	16.8	25.2

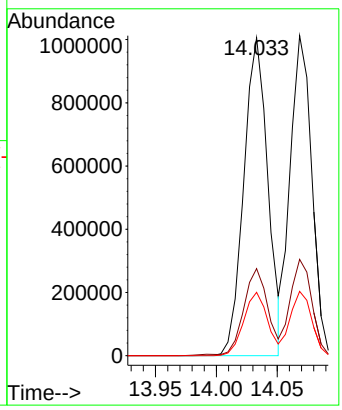




#81
Benzo(a)anthracene
Concen: 40.743 ng
RT: 14.033 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:228 Resp: 138557

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.1	33.1
229	19.9	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
PB167016BS

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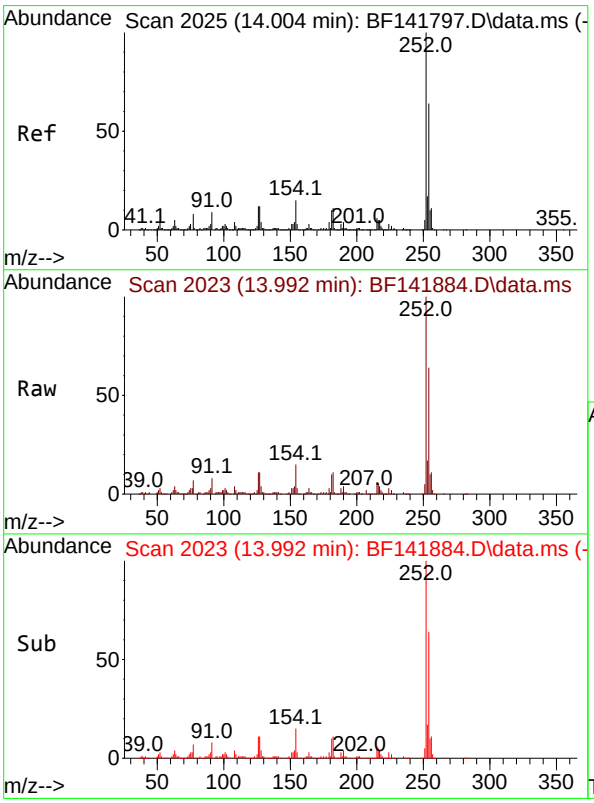
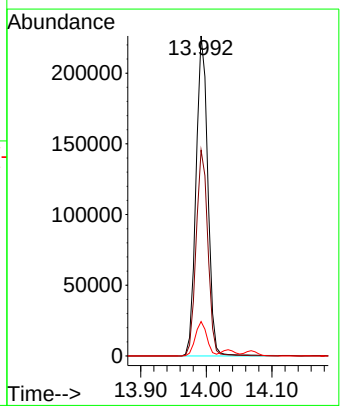
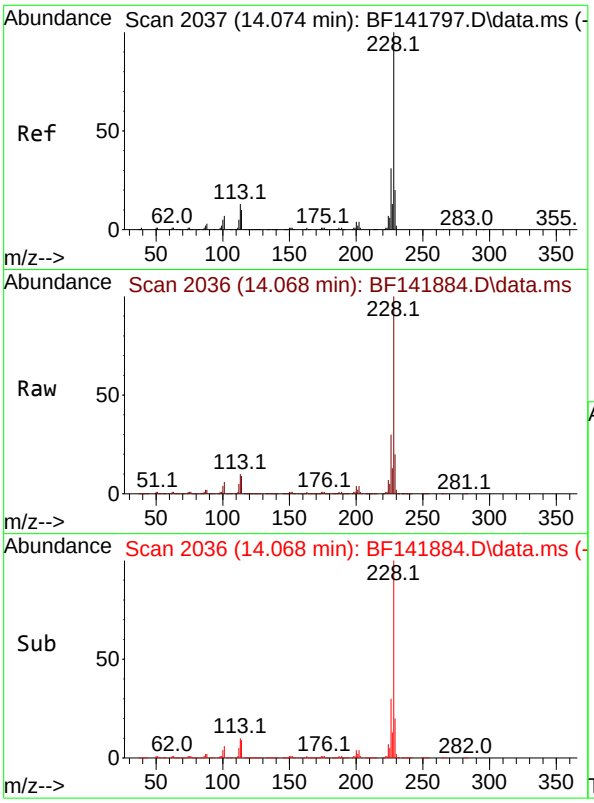


#82
3,3'-Dichlorobenzidine
Concen: 29.118 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:252 Resp: 284105

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.4	77.0
126	10.7	9.8	14.6

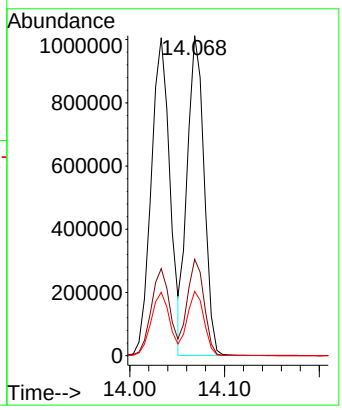




#83
Chrysene
Concen: 39.986 ng
RT: 14.068 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:228 Resp: 125351

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.6	37.0
229	20.1	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
PB167016BS

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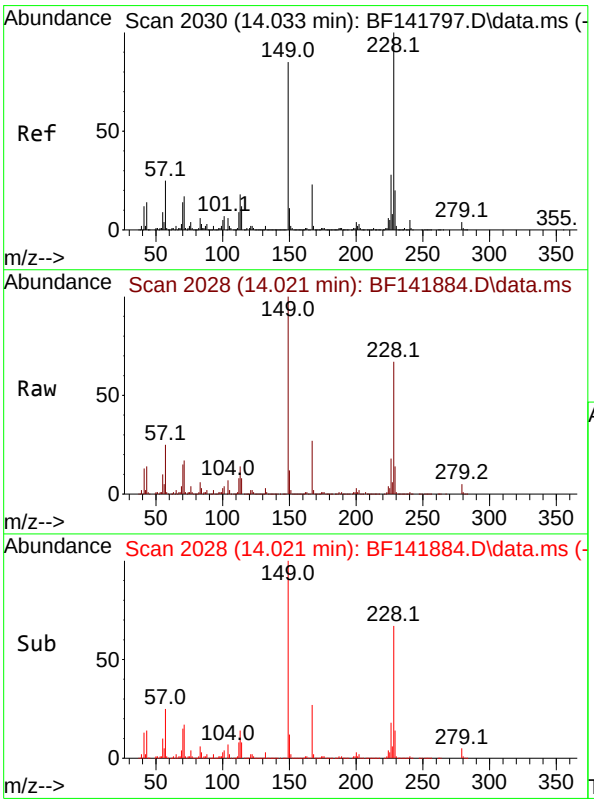
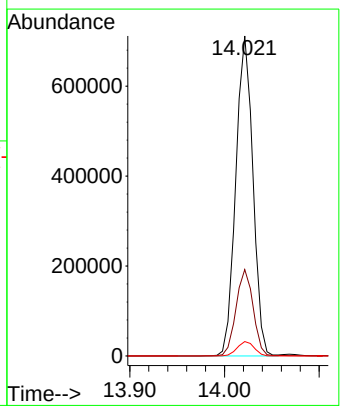
Supervised By :Jagrut Upadhyay 03/10/2025

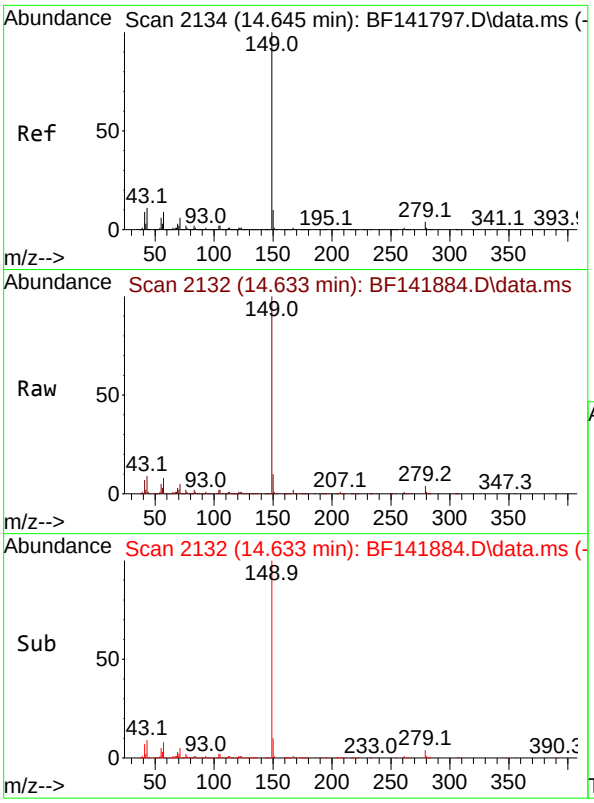


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.277 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:149 Resp: 893053

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.2	31.8
279	4.5	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 41.468 ng
RT: 14.633 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:149 Resp: 125216

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	8.8	8.6	12.8

Instrument :
BNA_F
ClientSampleId :
PB167016BS

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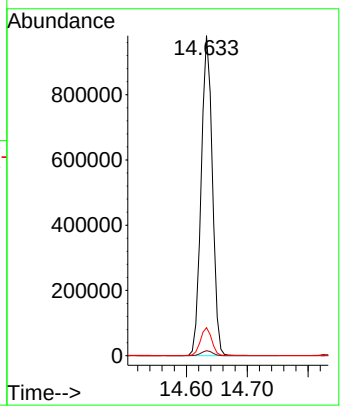
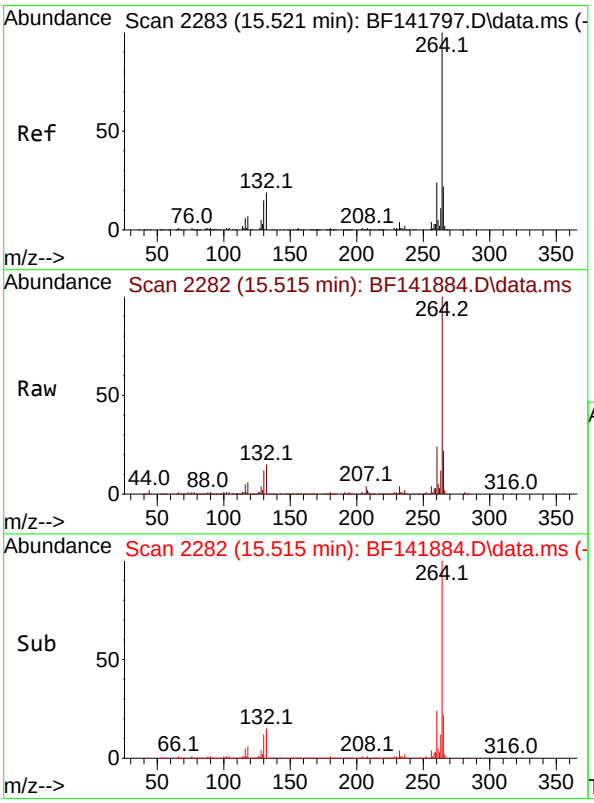
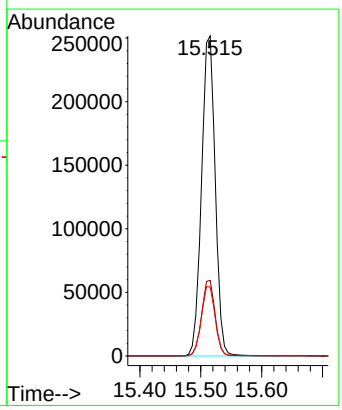


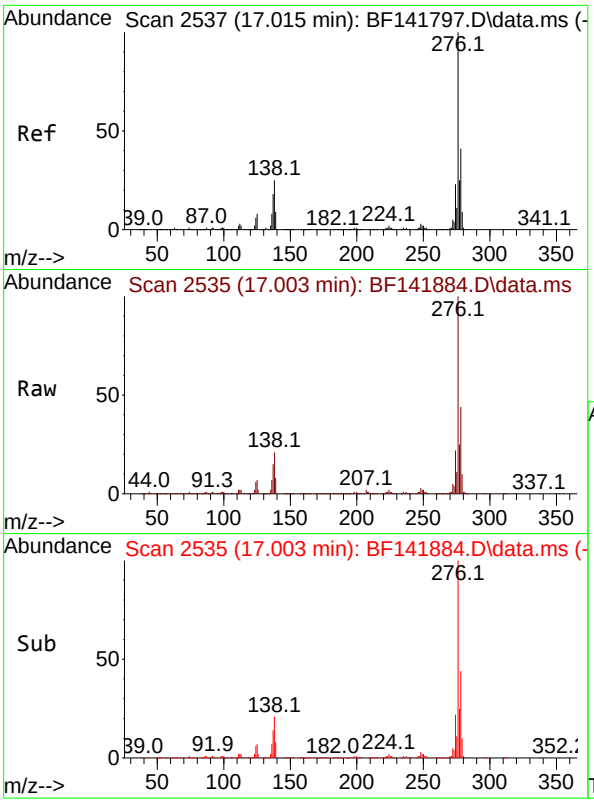


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 2282
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:264 Resp: 393279

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	21.6	17.4	26.0

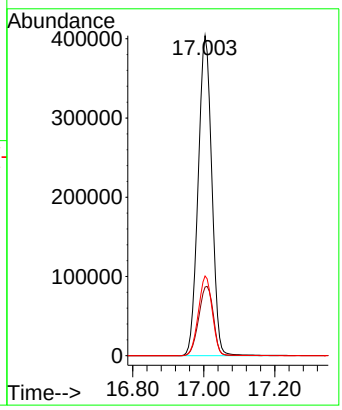




#87
Indeno(1,2,3-cd)pyrene
Concen: 43.133 ng
RT: 17.003 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:276 Resp: 108017

Ion	Ratio	Lower	Upper
276	100		
138	23.3	22.5	33.7
277	25.3	20.3	30.5



Instrument :
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ClientSampleId :
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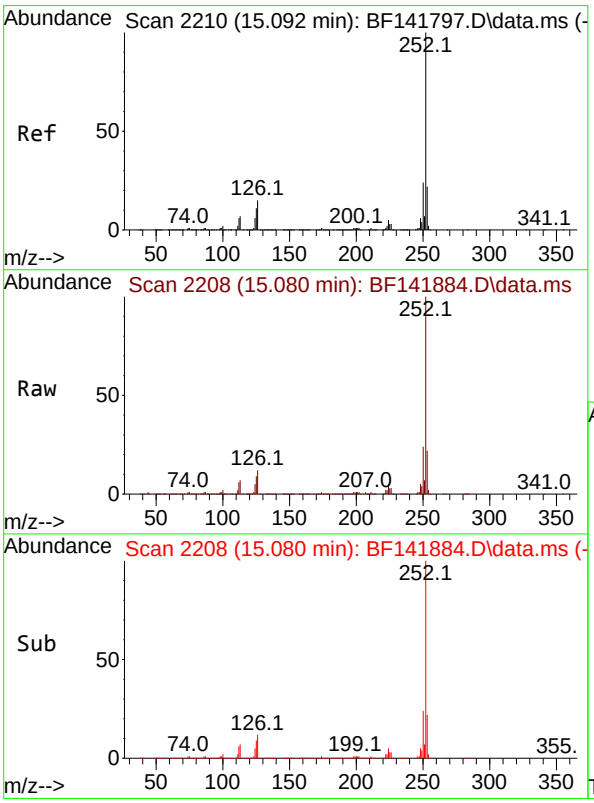
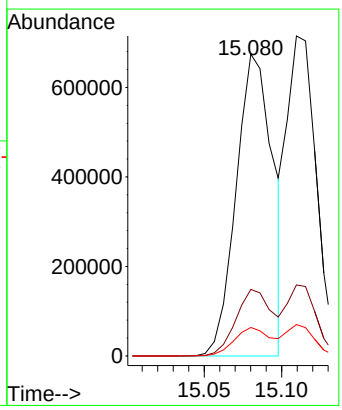
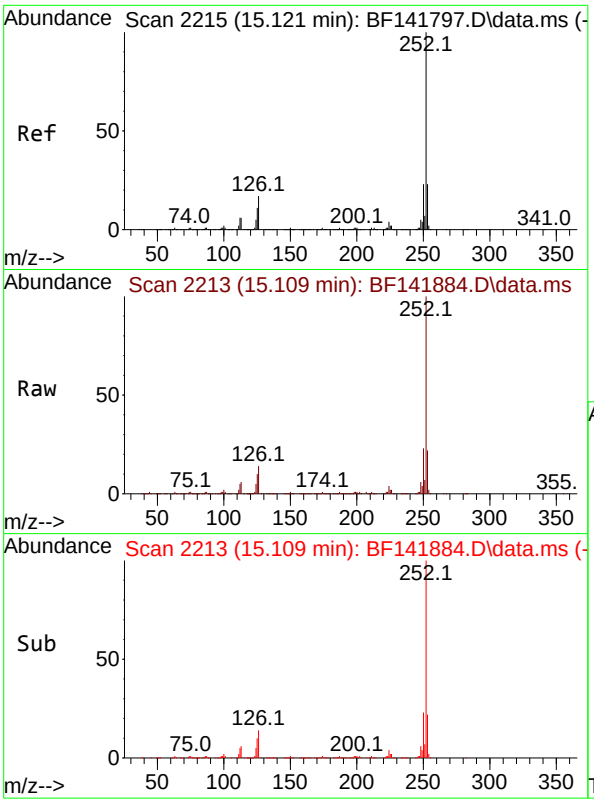


#88
Benzo(b)fluoranthene
Concen: 41.430 ng
RT: 15.080 min Scan# 2208
Delta R.T. -0.012 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:252 Resp: 1109885

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	9.4	8.6	13.0

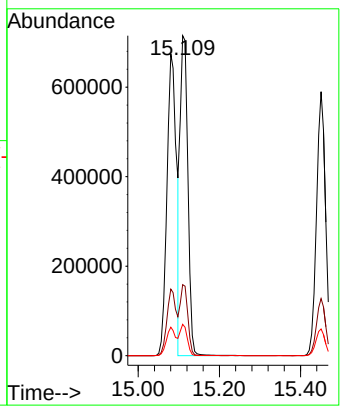




#89
Benzo(k)fluoranthene
Concen: 41.371 ng
RT: 15.109 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:252 Resp: 94200

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	9.8	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
PB167016BS

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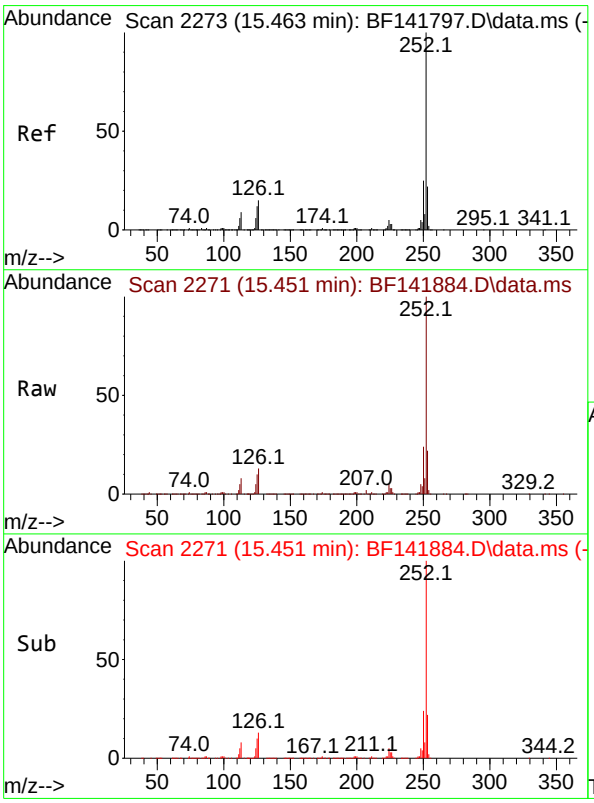
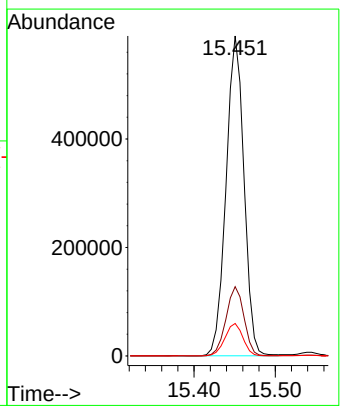
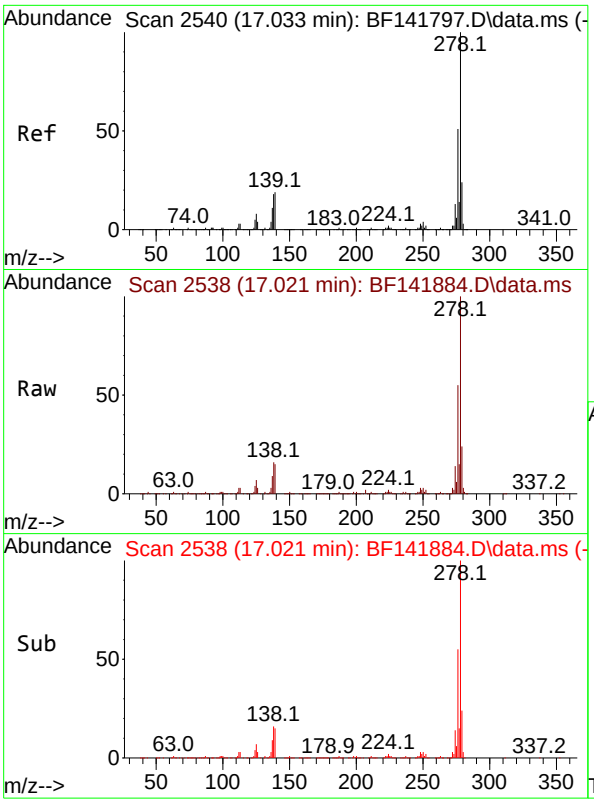


#90
Benzo(a)pyrene
Concen: 42.095 ng
RT: 15.451 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:252 Resp: 904383

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	10.1	9.4	14.2

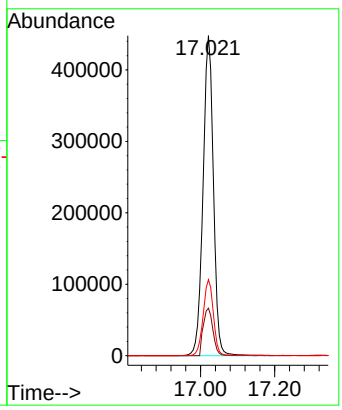




#91
Dibenzo(a,h)anthracene
Concen: 42.683 ng
RT: 17.021 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:278 Resp: 87250

Ion	Ratio	Lower	Upper
278	100		
139	14.9	14.9	22.3
279	23.8	19.3	28.9



Instrument :
BNA_F
ClientSampleId :
PB167016BS

Manual Integrations
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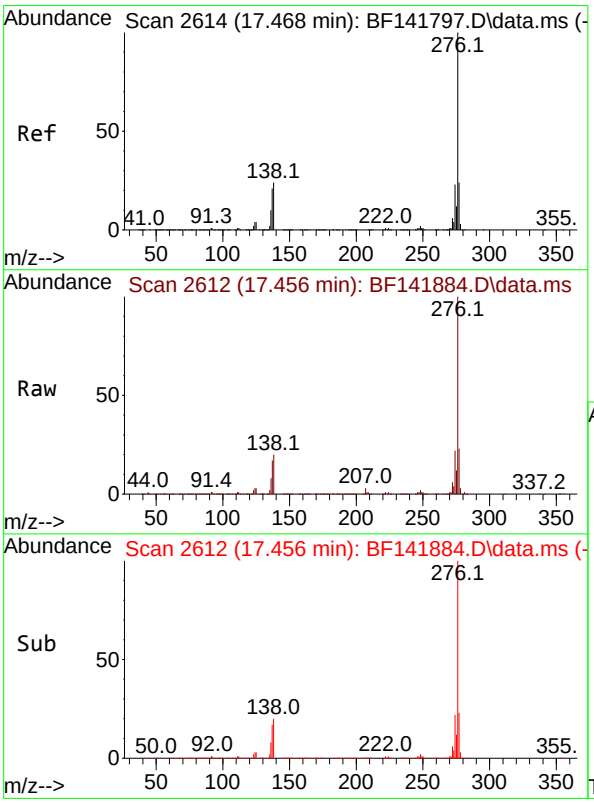
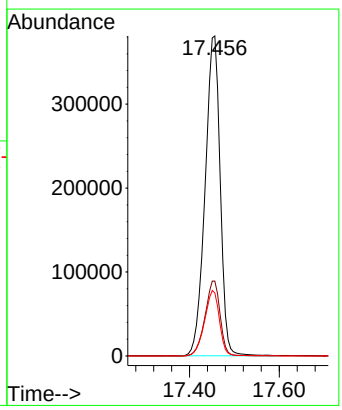
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#92
Benzo(g,h,i)perylene
Concen: 42.445 ng
RT: 17.456 min Scan# 2612
Delta R.T. -0.012 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:276 Resp: 888869

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.4	29.0
138	19.7	19.3	28.9



Raw Data: **BF141887.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-SO-COMP-022825MS	SDG No.:	Q1478
Lab Sample ID:	Q1478-13MS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF141887.D	1	03/05/25 13:00	03/07/25 11:29	PB167016

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	250		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	350		8.40	50.0	ug/L
95-48-7	2-Methylphenol	440		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	460		11.5	100	ug/L
67-72-1	Hexachloroethane	340		10.1	50.0	ug/L
98-95-3	Nitrobenzene	460		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	410		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	490		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	530		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	620		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	500		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	1100	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	141		15 (10) - 110 (139)	94%	SPK: 150
13127-88-3	Phenol-d6	132		15 (10) - 110 (134)	88%	SPK: 150
4165-60-0	Nitrobenzene-d5	117		30 (49) - 130 (133)	117%	SPK: 100
321-60-8	2-Fluorobiphenyl	102		30 (52) - 130 (132)	102%	SPK: 100
118-79-6	2,4,6-Tribromophenol	207	*	15 (44) - 110 (137)	138%	SPK: 150
1718-51-0	Terphenyl-d14	87.8		30 (48) - 130 (125)	88%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	145000	6.887			
1146-65-2	Naphthalene-d8	568000	8.163			
15067-26-2	Acenaphthene-d10	313000	9.922			
1517-22-2	Phenanthrene-d10	556000	11.404			
1719-03-5	Chrysene-d12	435000	14.045			
1520-96-3	Perylene-d12	344000	15.51			

Raw Data: **BF141887.D**

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-SO-COMP-022825MS	SDG No.:	Q1478
Lab Sample ID:	Q1478-13MS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF141887.D	1	03/05/25 13:00	03/07/25 11:29	PB167016

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: **BF141887.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141887.D
Acq On : 07 Mar 2025 11:29
Operator : RC/JU
Sample : Q1478-13MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 07 12:00:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	144619	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	567805	20.000	ng	#-0.01
39) Acenaphthene-d10	9.922	164	313240	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	556123	20.000	ng	# 0.00
76) Chrysene-d12	14.045	240	435055	20.000	ng	# 0.00
86) Perylene-d12	15.510	264	343670	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1275062	140.802	ng	0.02
7) Phenol-d6	6.510	99	1560117	132.361	ng	0.00
23) Nitrobenzene-d5	7.446	82	1035429	116.562	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	609898	207.395	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1992152	101.976	ng	0.00
79) Terphenyl-d14	12.992	244	2359942	87.763	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.828	88	155198	37.770	ng	# 81
3) Pyridine	3.552	79	259160	25.349	ng	94
4) n-Nitrosodimethylamine	3.475	42	184647	37.536	ng	97
6) Aniline	6.551	93	171617	14.005	ng	99
8) 2-Chlorophenol	6.669	128	435569	44.463	ng	95
9) Benzaldehyde	6.440	77	77748	11.340	ng	95
10) Phenol	6.522	94	503309	39.960	ng	93
11) bis(2-Chloroethyl)ether	6.622	93	371666	38.712	ng	96
12) 1,3-Dichlorobenzene	6.828	146	366082	34.895	ng	99
13) 1,4-Dichlorobenzene	6.904	146	371799	35.173	ng	99
14) 1,2-Dichlorobenzene	7.057	146	363877	36.864	ng	99
15) Benzyl Alcohol	7.022	79	396800	42.123	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	433387	29.724	ng	93
17) 2-Methylphenol	7.128	107	353469	43.714	ng	98
18) Hexachloroethane	7.398	117	133954	33.858	ng	96
19) n-Nitroso-di-n-propyla...	7.293	70	299109	38.604	ng	99
20) 3+4-Methylphenols	7.281	107	458586	45.545	ng	95
22) Acetophenone	7.293	105	642289	46.445	ng	98
24) Nitrobenzene	7.463	77	440948	46.355	ng	99
25) Isophorone	7.704	82	825864	43.275	ng	98
26) 2-Nitrophenol	7.781	139	221747	51.787	ng	97
27) 2,4-Dimethylphenol	7.810	122	378308	53.928	ng	96
28) bis(2-Chloroethoxy)met...	7.910	93	482066	39.599	ng	100
29) 2,4-Dichlorophenol	8.016	162	379620	46.908	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	358200	40.392	ng	99
31) Naphthalene	8.187	128	1190686	40.801	ng	99
32) Benzoic acid	7.916	122	243052	42.551	ng	99
33) 4-Chloroaniline	8.234	127	60449	5.649	ng	98
34) Hexachlorobutadiene	8.304	225	223239	40.510	ng	98
35) Caprolactam	8.592	113	116046m	46.612	ng	
36) 4-Chloro-3-methylphenol	8.710	107	434357	48.315	ng	99
37) 2-Methylnaphthalene	8.875	142	795823	41.576	ng	100
38) 1-Methylnaphthalene	8.975	142	781539	42.552	ng	100
40) 1,2,4,5-Tetrachloroben...	9.040	216	452153	49.980	ng	99
41) Hexachlorocyclopentadiene	9.028	237	543845	144.048	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	288971	49.449	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141887.D
Acq On : 07 Mar 2025 11:29
Operator : RC/JU
Sample : Q1478-13MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Quant Time: Mar 07 12:00:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	307214	53.090	ng		98
46) 1,1'-Biphenyl	9.339	154	1178867	49.444	ng		98
47) 2-Chloronaphthalene	9.363	162	799418	45.428	ng		100
48) 2-Nitroaniline	9.457	65	262276	53.866	ng		96
49) Acenaphthylene	9.781	152	1283508	48.647	ng		100
50) Dimethylphthalate	9.639	163	1019741	48.612	ng		99
51) 2,6-Dinitrotoluene	9.698	165	221458	54.763	ng		96
52) Acenaphthene	9.951	154	963187	54.103	ng		99
53) 3-Nitroaniline	9.863	138	73385	19.074	ng	#	96
54) 2,4-Dinitrophenol	9.975	184	264098	121.668	ng	#	1
55) Dibenzofuran	10.128	168	1164925	44.957	ng		99
56) 4-Nitrophenol	10.028	139	371749	119.989	ng		93
57) 2,4-Dinitrotoluene	10.104	165	307024	61.563	ng		94
58) Fluorene	10.469	166	932790	48.058	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	270250	53.698	ng		99
60) Diethylphthalate	10.339	149	992053	47.175	ng		99
61) 4-Chlorophenyl-phenyle...	10.457	204	467270	48.049	ng		98
62) 4-Nitroaniline	10.481	138	218738	61.060	ng		95
63) Azobenzene	10.622	77	916211	41.379	ng		98
65) 4,6-Dinitro-2-methylph...	10.510	198	170000	62.051	ng		90
66) n-Nitrosodiphenylamine	10.575	169	808274	44.262	ng		100
67) 4-Bromophenyl-phenylether	10.951	248	301247	46.376	ng		97
68) Hexachlorobenzene	11.016	284	344761	50.262	ng		95
69) Atrazine	11.104	200	310084	61.748	ng		99
70) Pentachlorophenol	11.204	266	467144	107.379	ng		99
71) Phenanthrene	11.428	178	1423703	47.860	ng		99
72) Anthracene	11.481	178	1463911	49.103	ng		99
73) Carbazole	11.633	167	1292951	49.111	ng		100
74) Di-n-butylphthalate	11.963	149	1517925	45.485	ng		100
75) Fluoranthene	12.616	202	1558398	51.127	ng		97
77) Benzidine	12.739	184	83121	15.180	ng	#	38
78) Pyrene	12.845	202	1580372	41.950	ng		99
80) Butylbenzylphthalate	13.463	149	636995	46.538	ng		96
81) Benzo(a)anthracene	14.033	228	1383197	48.134	ng		99
82) 3,3'-Dichlorobenzidine	13.992	252	181968	22.071	ng		99
83) Chrysene	14.069	228	1222618	46.155	ng		99
84) Bis(2-ethylhexyl)phtha...	14.022	149	809701	47.509	ng		100
85) Di-n-octyl phthalate	14.633	149	1170567	45.877	ng	#	95
87) Indeno(1,2,3-cd)pyrene	17.004	276	1137163	51.964	ng	#	94
88) Benzo(b)fluoranthene	15.080	252	1121801	47.920	ng		98
89) Benzo(k)fluoranthene	15.110	252	882903	44.373	ng		98
90) Benzo(a)pyrene	15.451	252	933380	49.716	ng		98
91) Dibenzo(a,h)anthracene	17.021	278	919901	51.498	ng	#	95
92) Benzo(g,h,i)perylene	17.457	276	892265	48.758	ng	#	94

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

Sample Results: **BF141887.D**

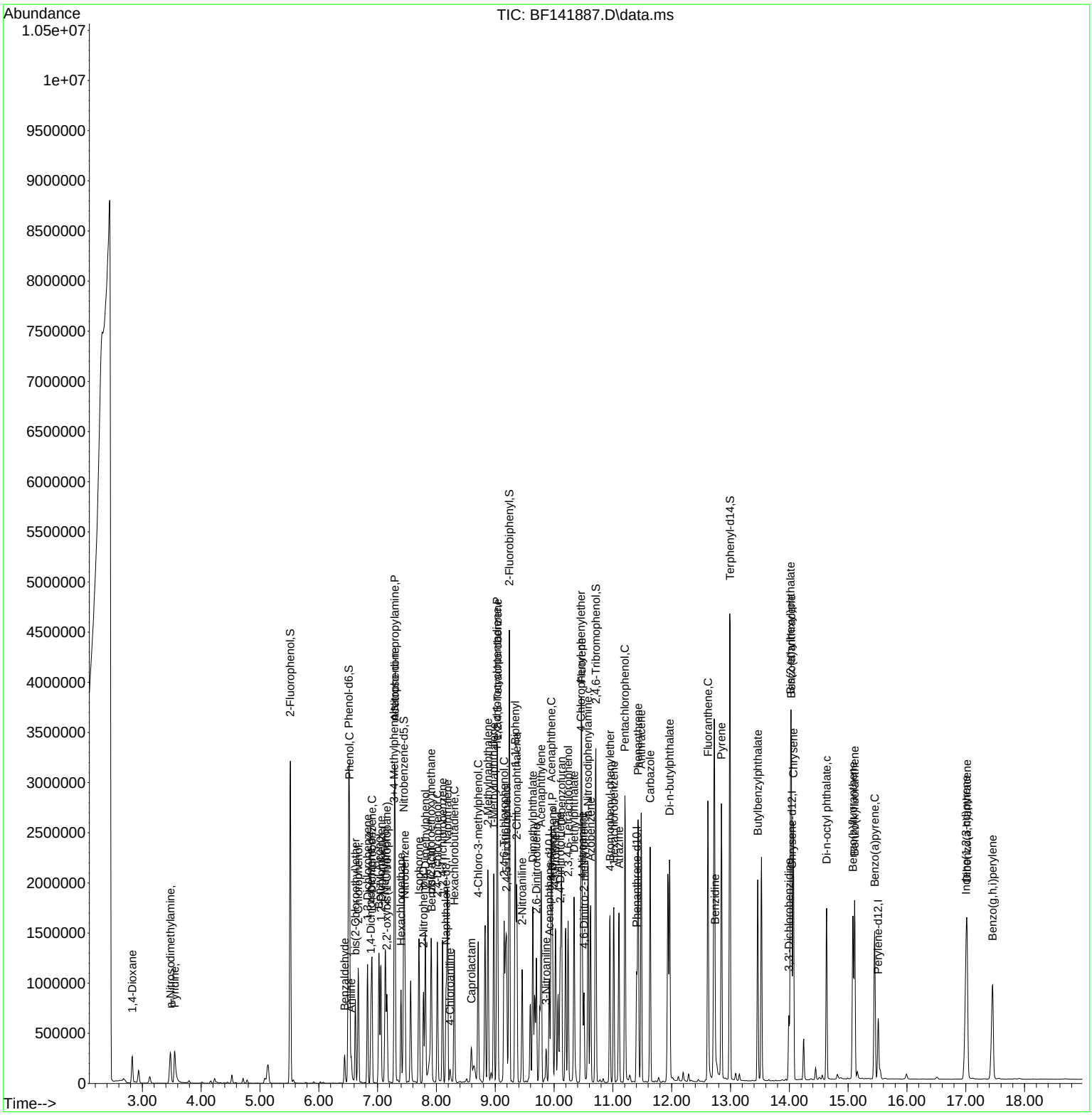
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141887.D
Acq On : 07 Mar 2025 11:29
Operator : RC/JU
Sample : Q1478-13MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

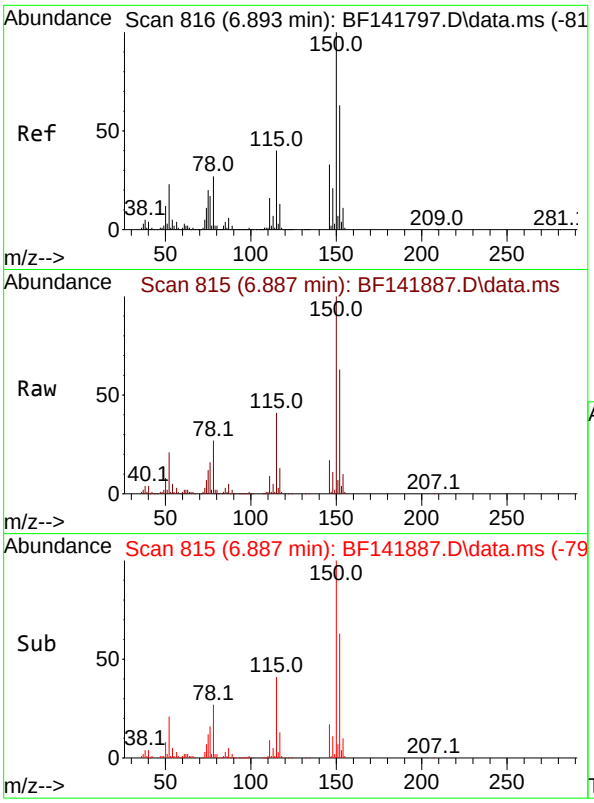
Quant Time: Mar 07 12:00:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

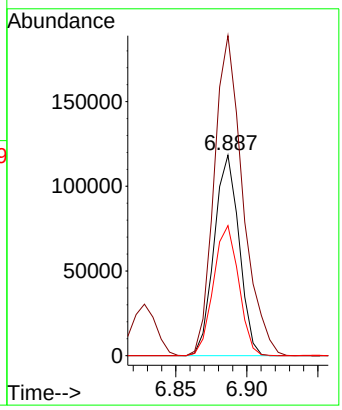




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:152 Resp: 14461

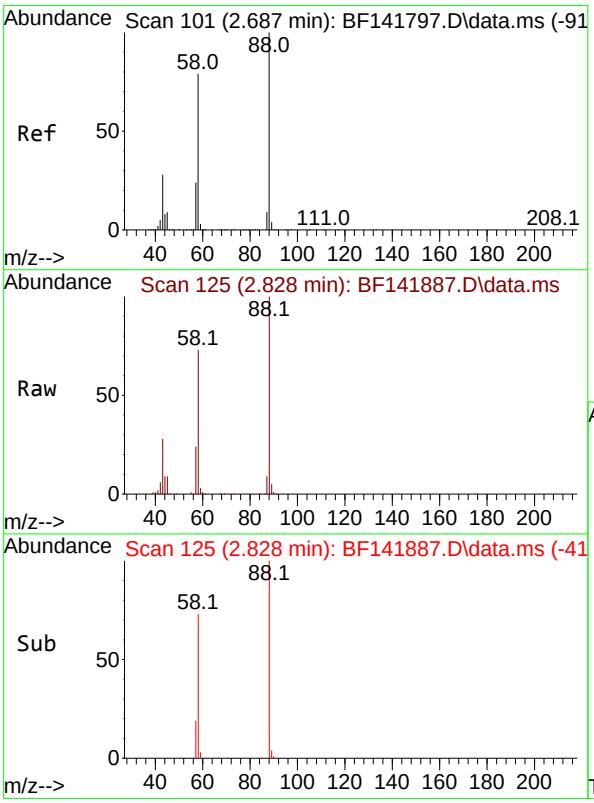
Ion	Ratio	Lower	Upper
152	100		
150	159.6	127.5	191.3
115	64.9	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS

Manual Integrations
APPROVED

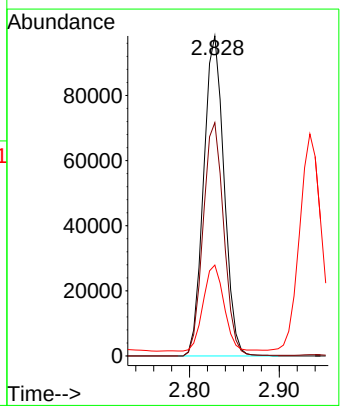
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

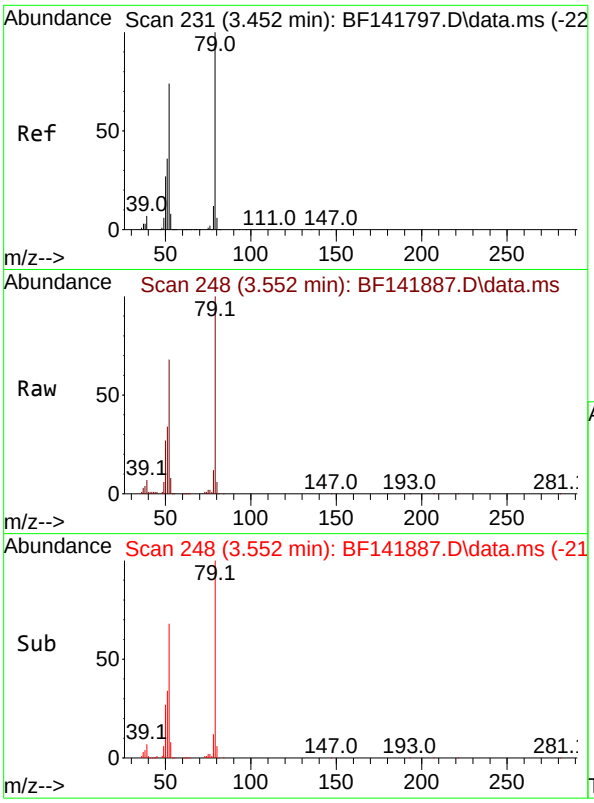


#2
1,4-Dioxane
Concen: 37.770 ng
RT: 2.828 min Scan# 125
Delta R.T. 0.141 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion: 88 Resp: 155198

Ion	Ratio	Lower	Upper
88	100		
58	74.0	63.9	95.9
43	0.0	23.0	34.6#





#3
Pyridine
Concen: 25.349 ng
RT: 3.552 min Scan# 24
Delta R.T. 0.095 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

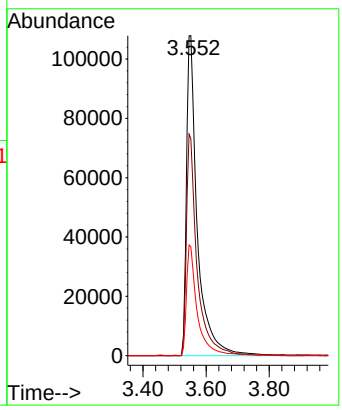
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS

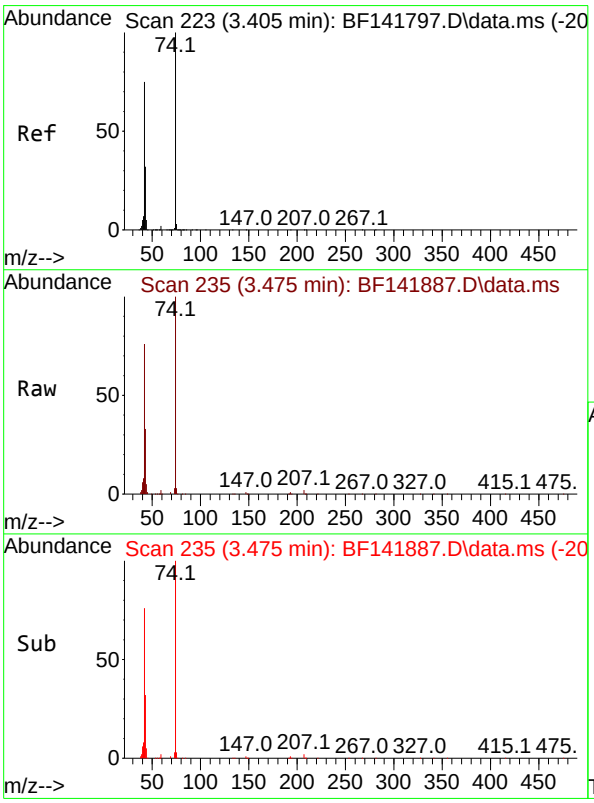
Tgt Ion: 79 Resp: 25916

Ion	Ratio	Lower	Upper
79	100		
52	67.8	59.0	88.4
51	34.1	29.0	43.4

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

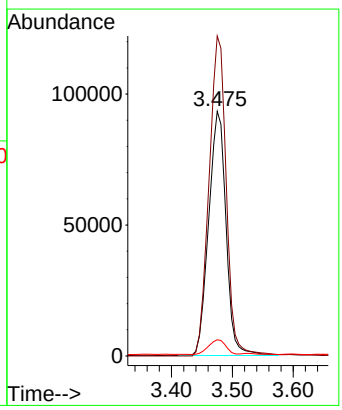


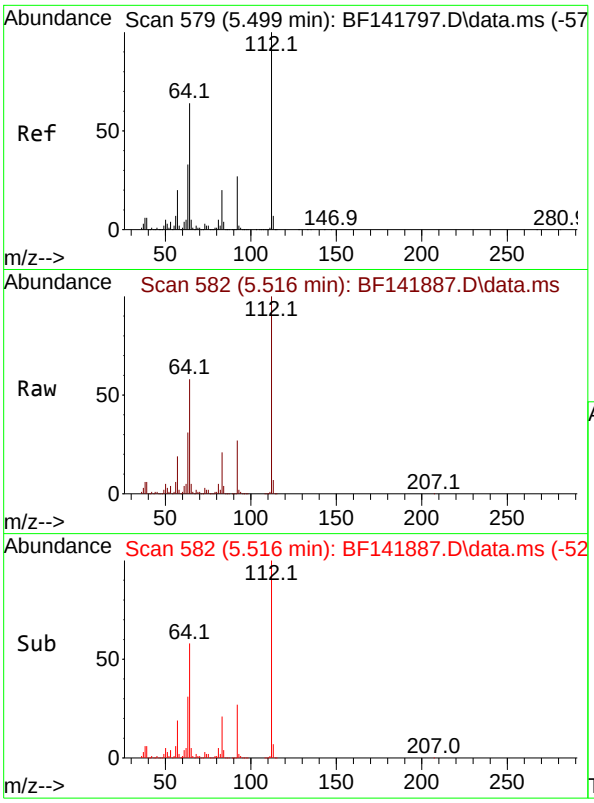


#4
n-Nitrosodimethylamine
Concen: 37.536 ng
RT: 3.475 min Scan# 235
Delta R.T. 0.071 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion: 42 Resp: 184647

Ion	Ratio	Lower	Upper
42	100		
74	130.8	107.1	160.7
44	6.6	6.6	9.8

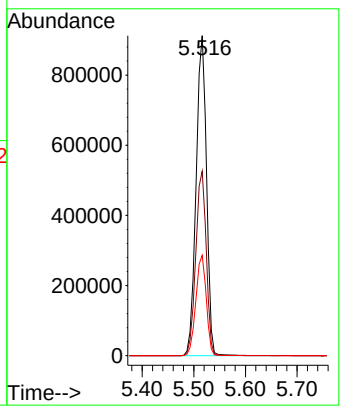




#5
2-Fluorophenol
Concen: 140.802 ng
RT: 5.516 min Scan# 5
Delta R.T. 0.018 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:112 Resp: 127506

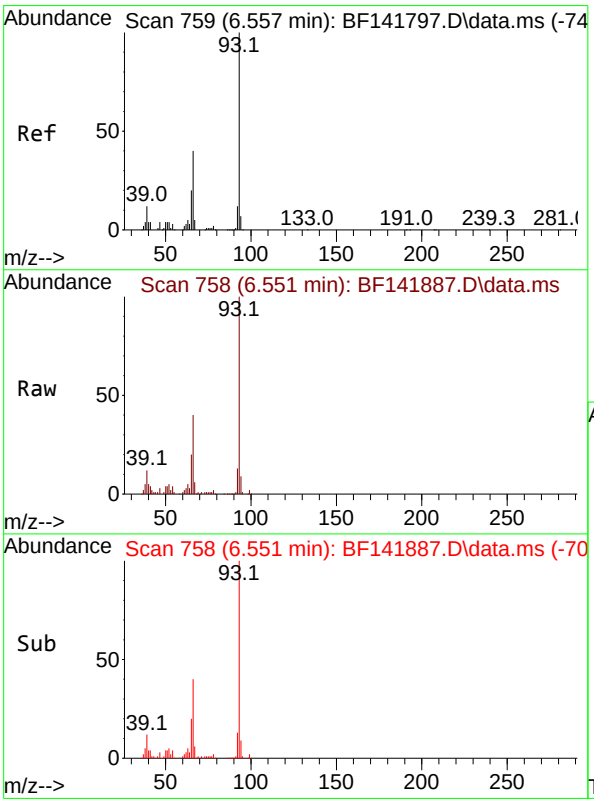
Ion	Ratio	Lower	Upper
112	100		
64	57.7	51.3	76.9
63	31.3	26.2	39.4



Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS

Manual Integrations
APPROVED

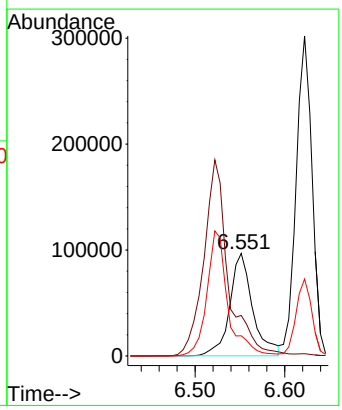
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

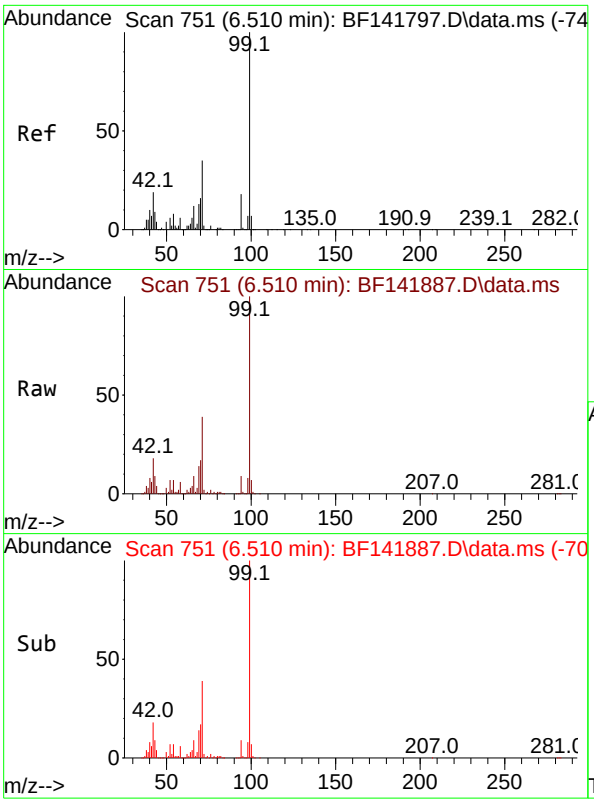


#6
Aniline
Concen: 14.005 ng
RT: 6.551 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion: 93 Resp: 171617

Ion	Ratio	Lower	Upper
93	100		
66	39.5	32.3	48.5
65	19.7	15.9	23.9

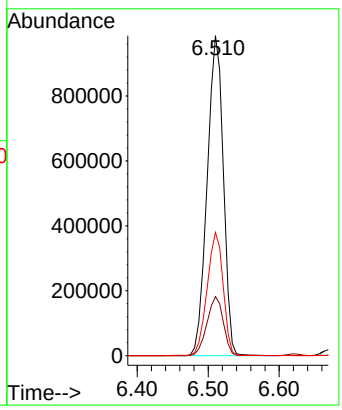




#7
Phenol-d6
Concen: 132.361 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion: 99 Resp: 156011

Ion	Ratio	Lower	Upper
99	100		
42	18.4	15.2	22.8
71	38.5	28.2	42.2



Instrument :
BNA_F
ClientSampleId :
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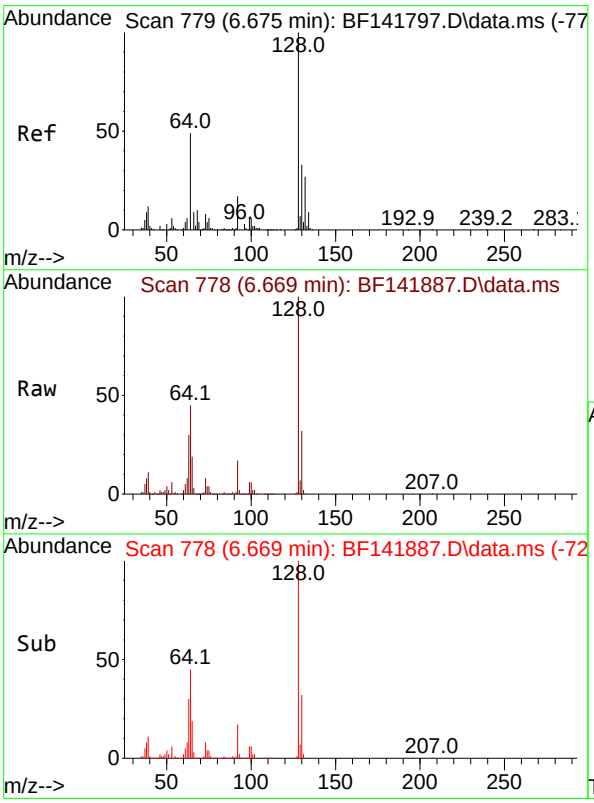
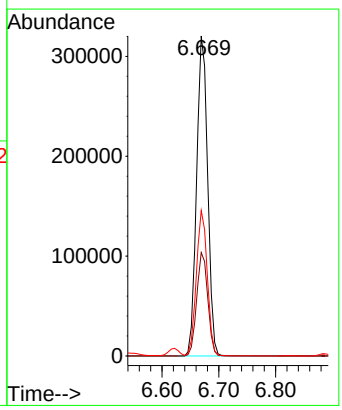
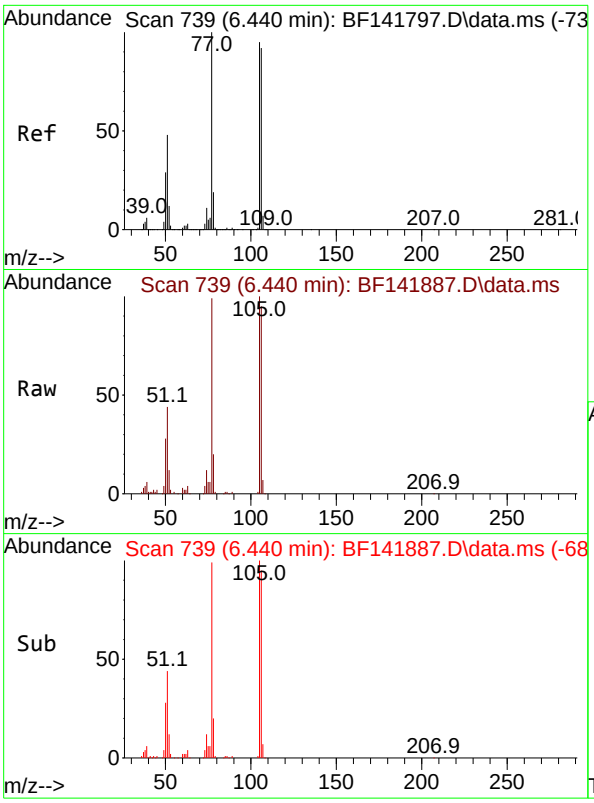


#8
2-Chlorophenol
Concen: 44.463 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:128 Resp: 435569

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.6	52.6
64	45.5	31.1	71.1

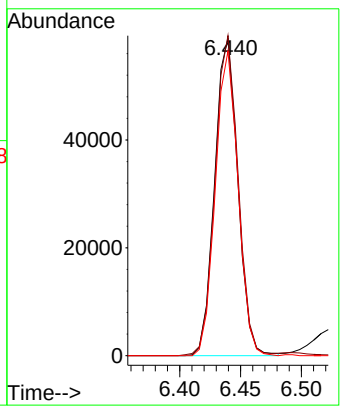




#9
Benzaldehyde
Concen: 11.340 ng
RT: 6.440 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion: 77 Resp: 7774

Ion	Ratio	Lower	Upper
77	100		
105	100.7	75.3	115.3
106	95.9	72.3	112.3



Instrument :
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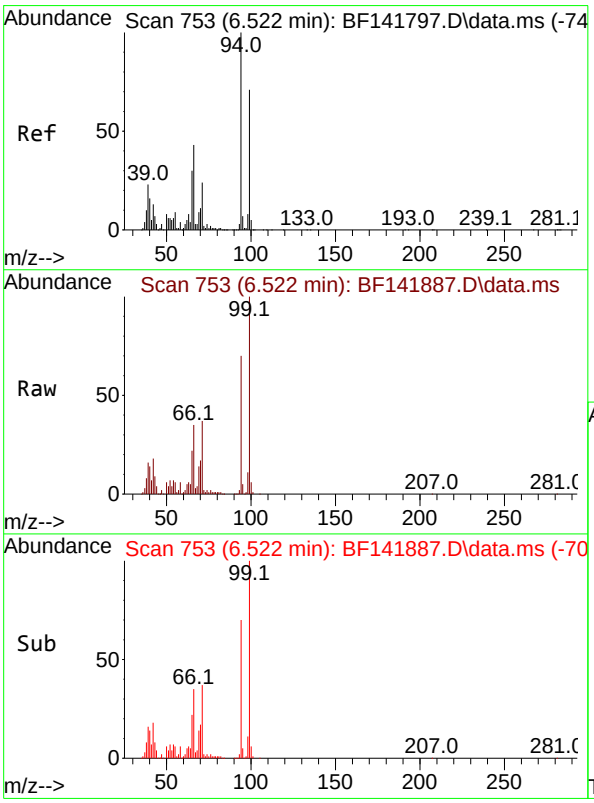
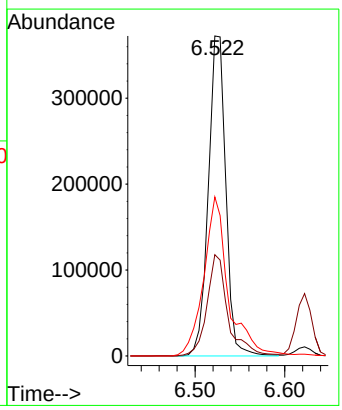
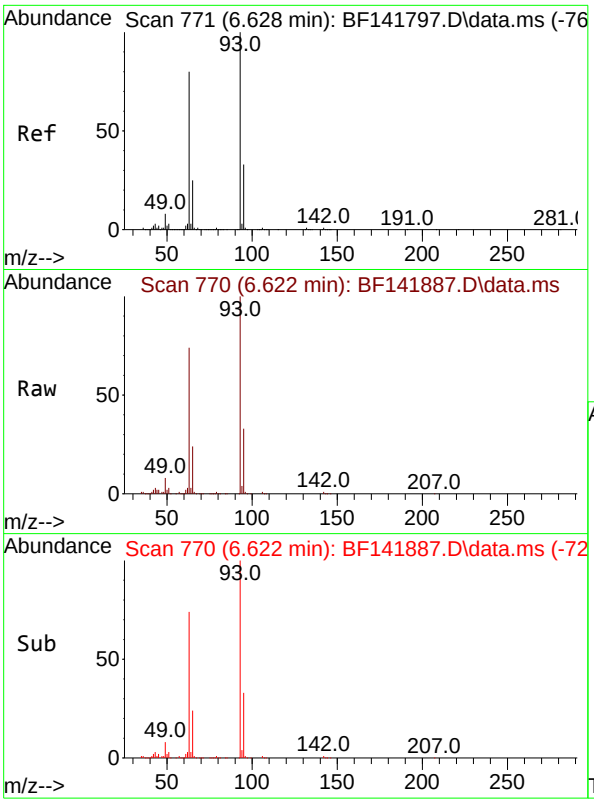


#10
Phenol
Concen: 39.960 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion: 94 Resp: 503309

Ion	Ratio	Lower	Upper
94	100		
65	31.7	10.2	50.2
66	49.7	23.2	63.2

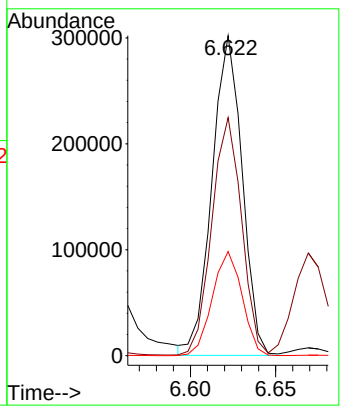




#11
bis(2-Chloroethyl)ether
Concen: 38.712 ng
RT: 6.622 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion: 93 Resp: 37166

Ion	Ratio	Lower	Upper
93	100		
63	74.4	59.3	99.3
95	32.6	13.2	53.2



Instrument :
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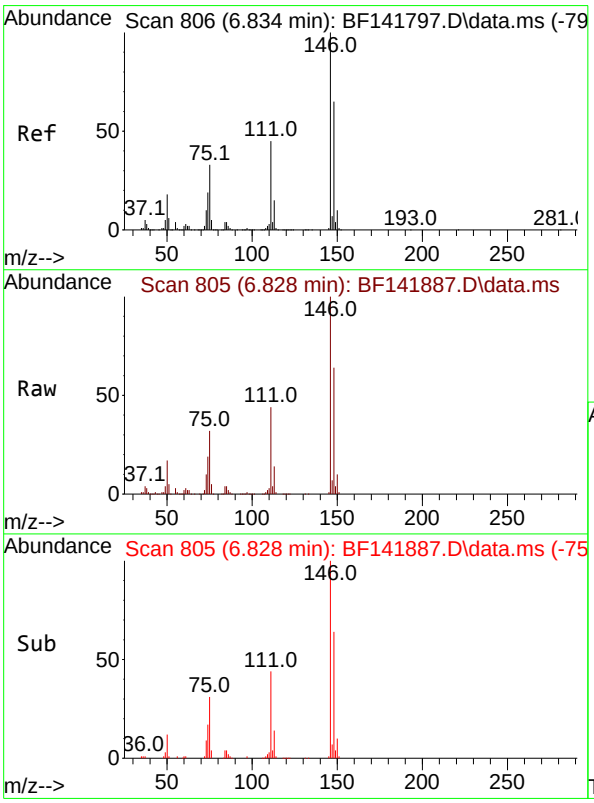
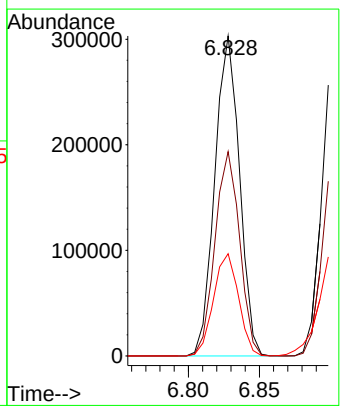
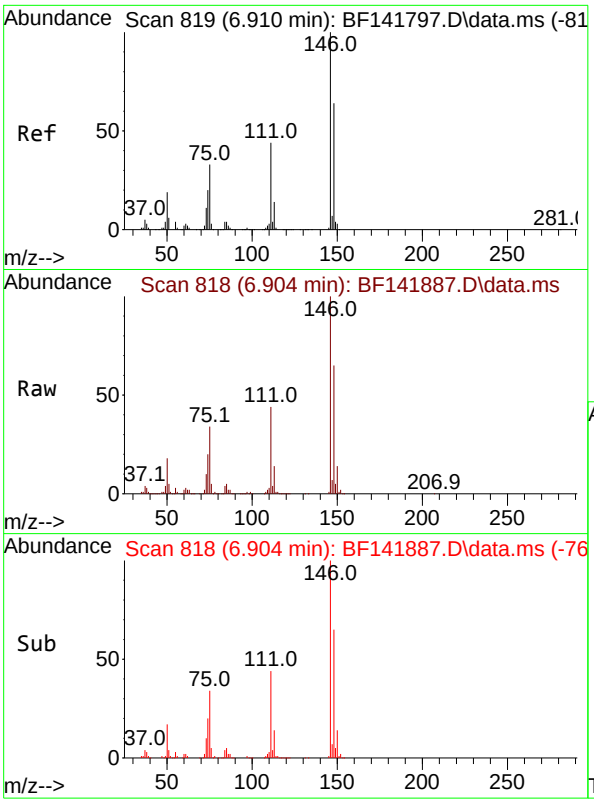


#12
1,3-Dichlorobenzene
Concen: 34.895 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:146 Resp: 366082

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.8	77.6
75	32.0	26.2	39.4

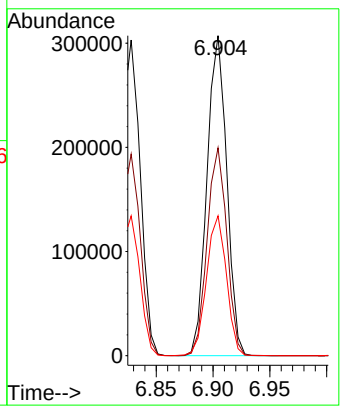




#13
1,4-Dichlorobenzene
Concen: 35.173 ng
RT: 6.904 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:146 Resp: 371799

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.4	77.2
111	43.7	35.5	53.3



Instrument :
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ClientSampleId :
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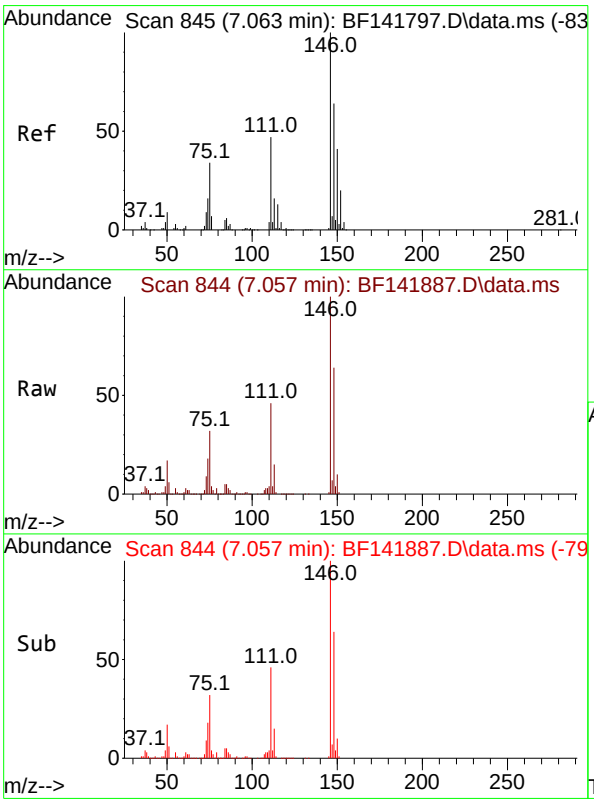
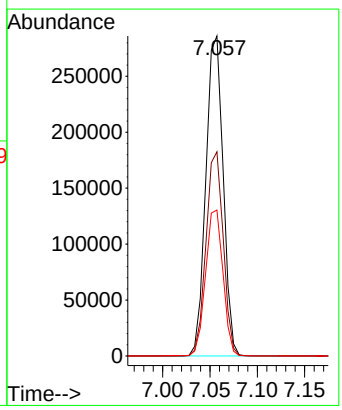
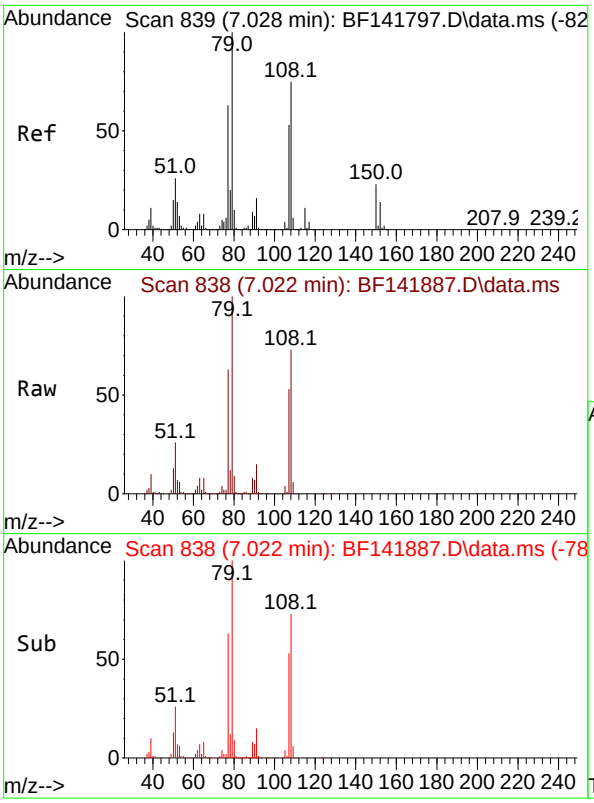


#14
1,2-Dichlorobenzene
Concen: 36.864 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:146 Resp: 363877

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.2	76.8
111	45.6	37.8	56.6





#15
Benzyl Alcohol
Concen: 42.123 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion: 79 Resp: 39680

Ion	Ratio	Lower	Upper
79	100		
108	73.3	60.2	90.2
77	62.6	50.2	75.2

Instrument :
BNA_F
ClientSampleId :
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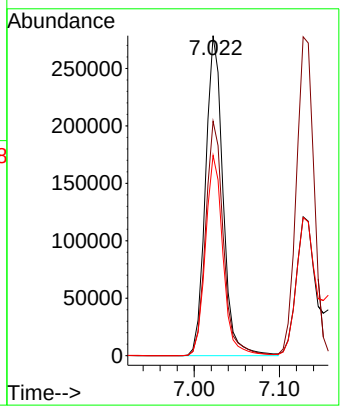
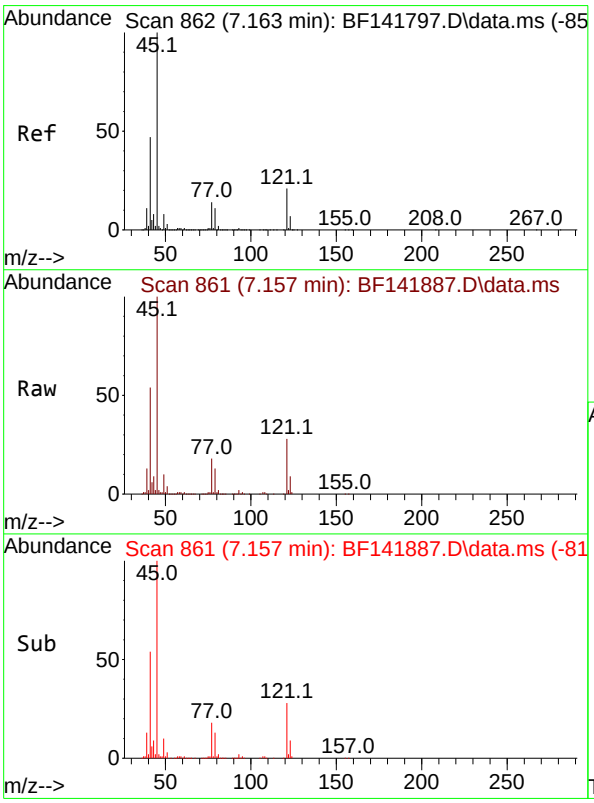
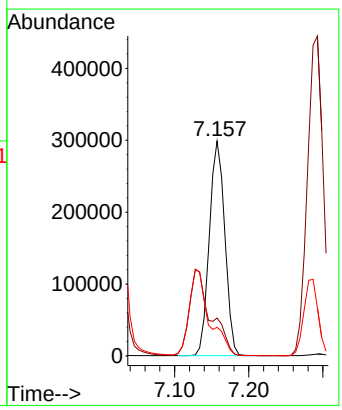


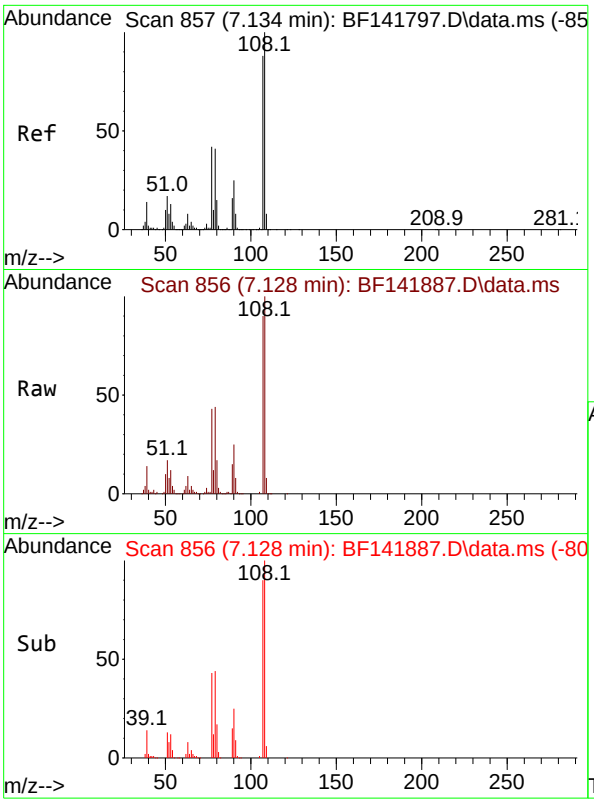


#16
2,2'-oxybis(1-Chloropropane)
Concen: 29.724 ng
RT: 7.157 min Scan# 861
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion: 45 Resp: 433387

Ion	Ratio	Lower	Upper
45	100		
77	17.6	0.0	34.4
79	13.4	0.0	30.9

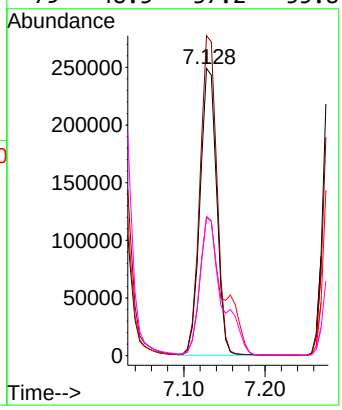




#17
2-Methylphenol
Concen: 43.714 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:107 Resp: 35346

Ion	Ratio	Lower	Upper
107	100		
108	111.4	90.6	135.8
77	48.3	37.7	56.5
79	48.5	37.2	55.8



Instrument :
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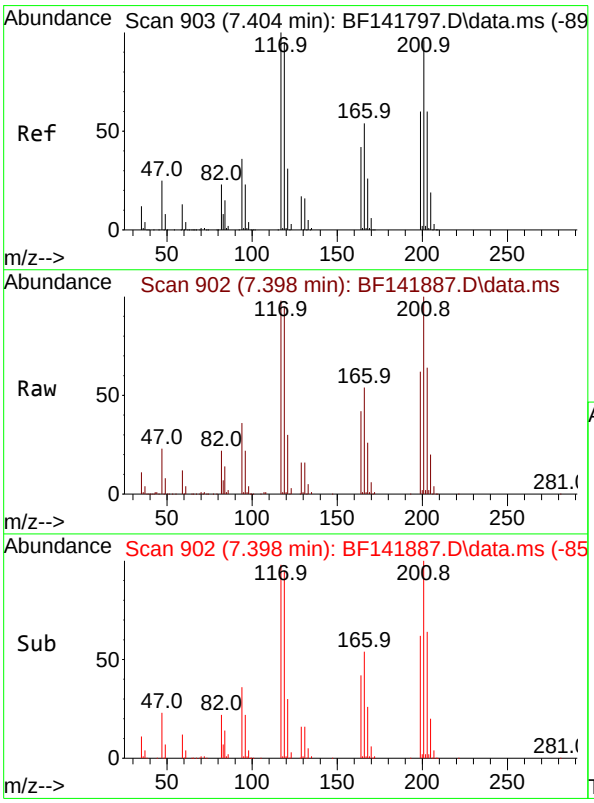
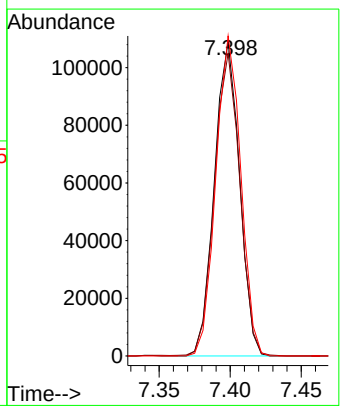
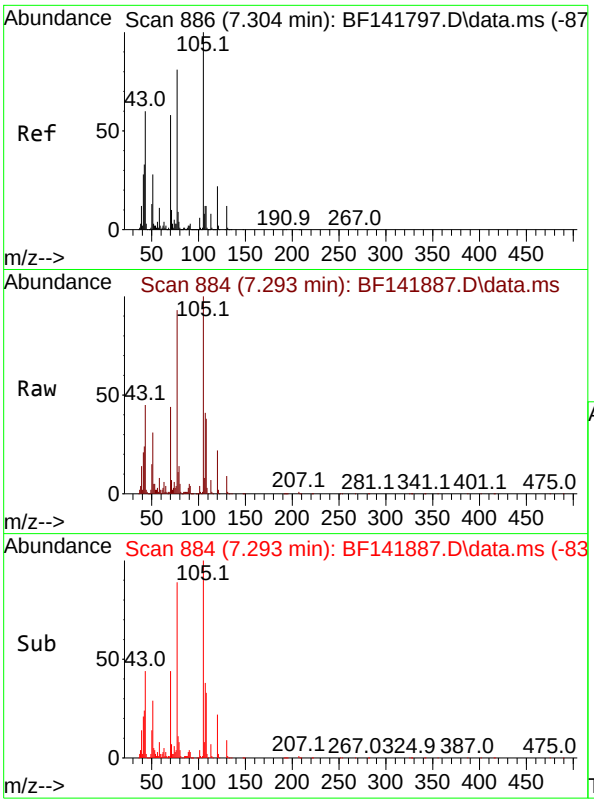


#18
Hexachloroethane
Concen: 33.858 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:117 Resp: 133954

Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.8	113.8
201	101.9	76.7	115.1

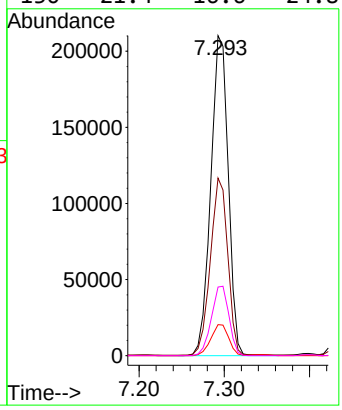




#19
n-Nitroso-di-n-propylamine
Concen: 38.604 ng
RT: 7.293 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion: 70 Resp: 29910

Ion	Ratio	Lower	Upper
70	100		
42	55.5	45.4	68.0
101	9.7	7.8	11.8
130	21.4	16.6	24.8



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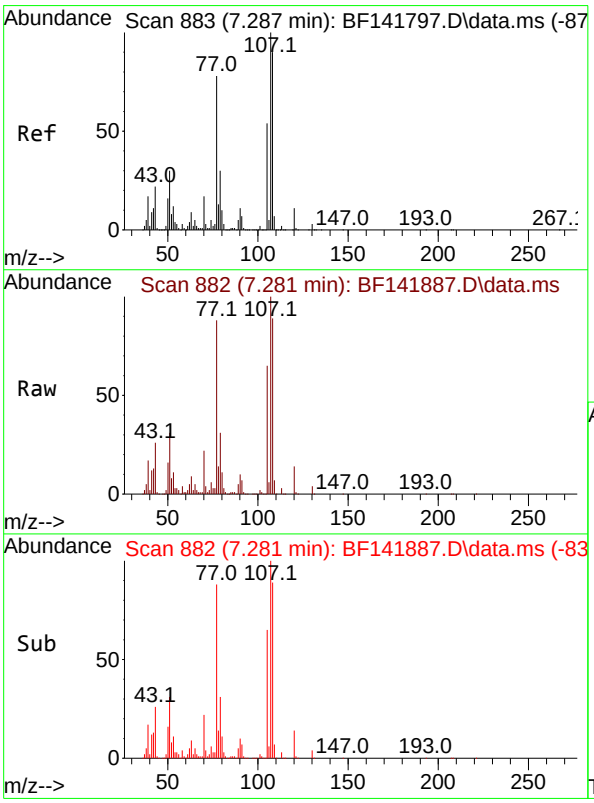
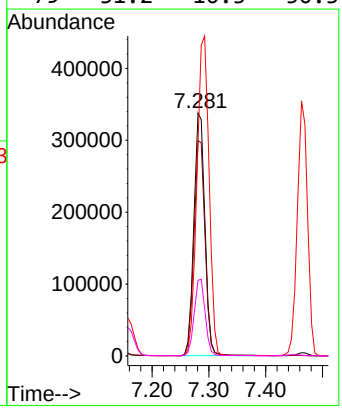
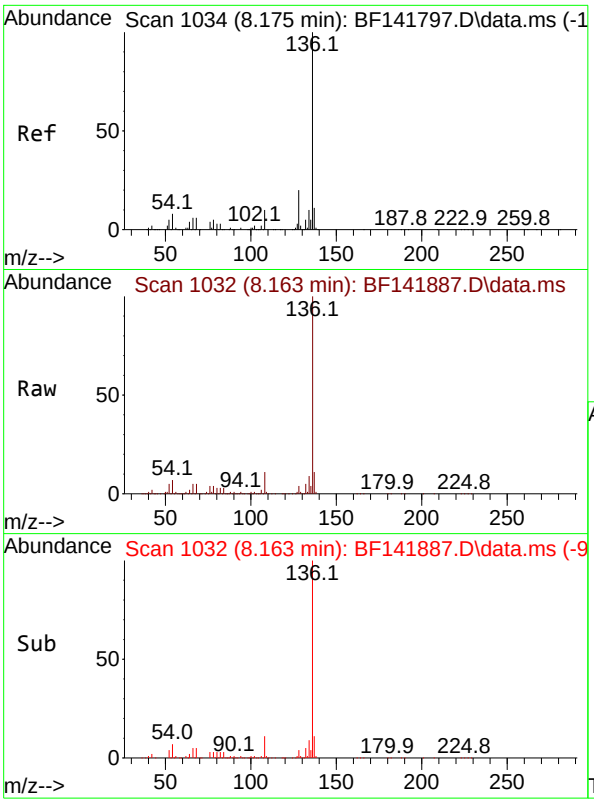


#20
3+4-Methylphenols
Concen: 45.545 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:107 Resp: 458586

Ion	Ratio	Lower	Upper
107	100		
108	88.7	69.7	109.7
77	87.9	58.3	98.3
79	31.2	10.3	50.3

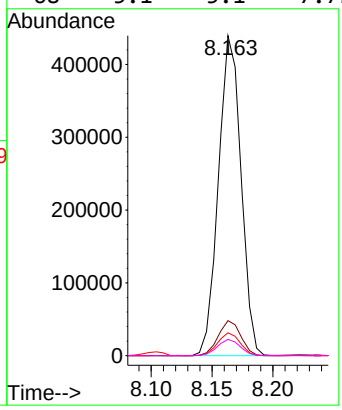




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:136 Resp: 56780

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.2	6.9	10.3
68	5.1	5.1	7.7#



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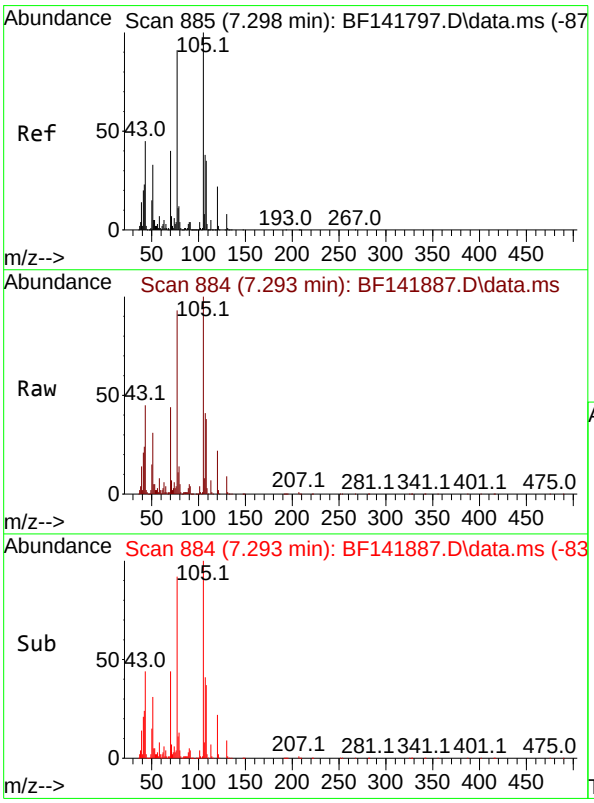
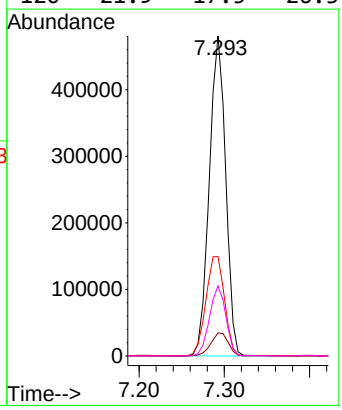
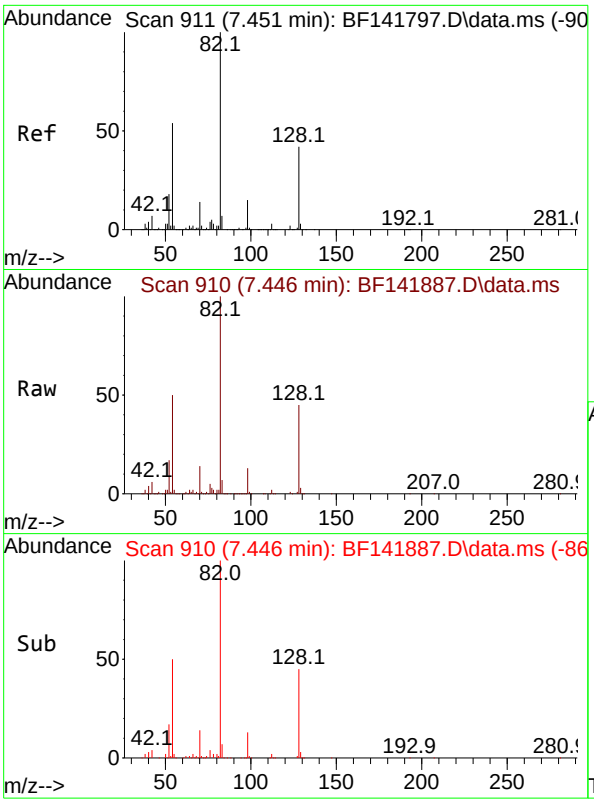


#22
Acetophenone
Concen: 46.445 ng
RT: 7.293 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:105 Resp: 642289

Ion	Ratio	Lower	Upper
105	100		
71	7.2	5.4	8.0
51	31.1	26.1	39.1
120	21.9	17.5	26.3

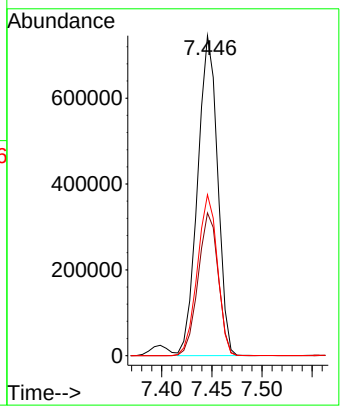




#23
Nitrobenzene-d5
Concen: 116.562 ng
RT: 7.446 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion: 82 Resp: 103542

Ion	Ratio	Lower	Upper
82	100		
128	44.6	33.5	50.3
54	50.3	42.7	64.1



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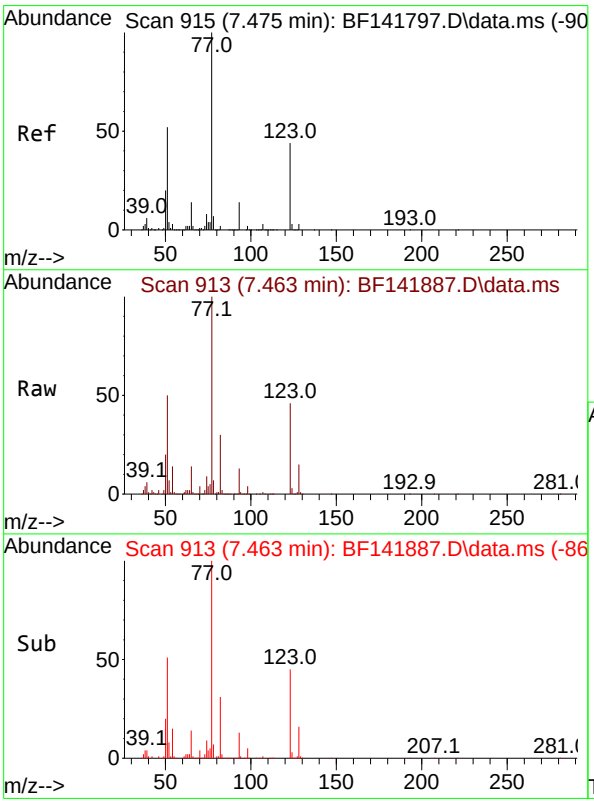
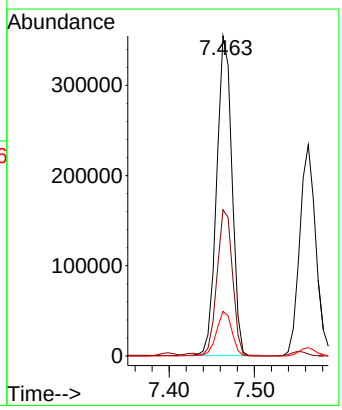
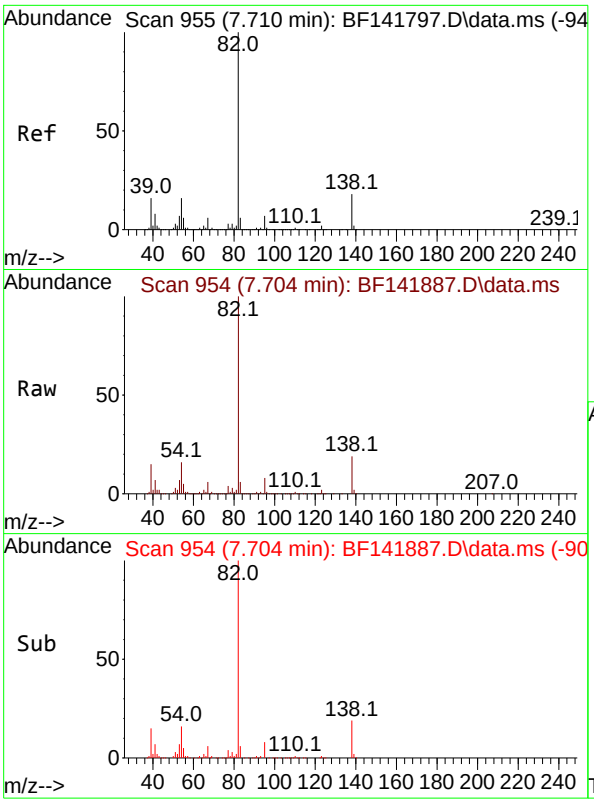


#24
Nitrobenzene
Concen: 46.355 ng
RT: 7.463 min Scan# 913
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion: 77 Resp: 440948

Ion	Ratio	Lower	Upper
77	100		
123	45.7	35.8	53.8
65	13.9	11.2	16.8

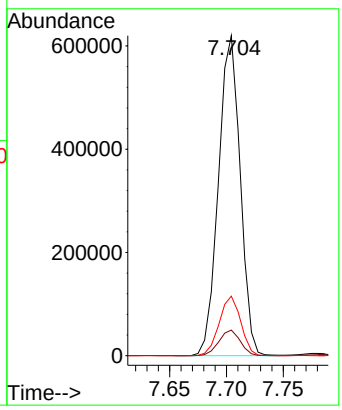




#25
Isophorone
Concen: 43.275 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion: 82 Resp: 82586

Ion	Ratio	Lower	Upper
82	100		
95	8.0	5.8	8.8
138	18.6	14.0	21.0



Instrument :
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ClientSampleId :
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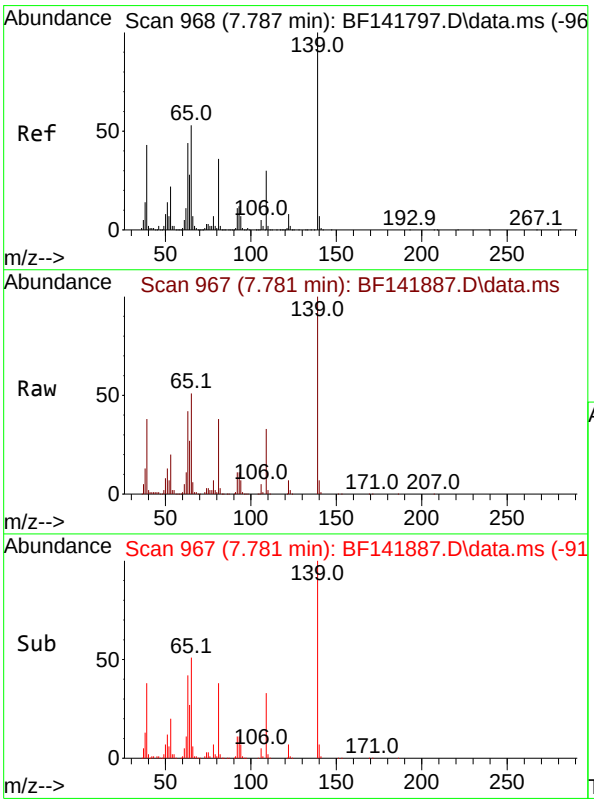
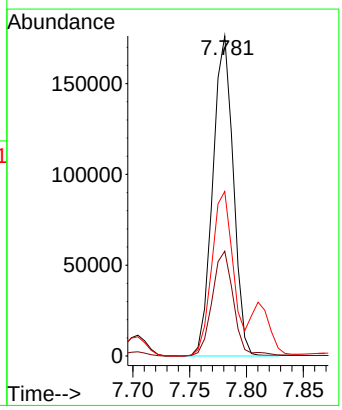
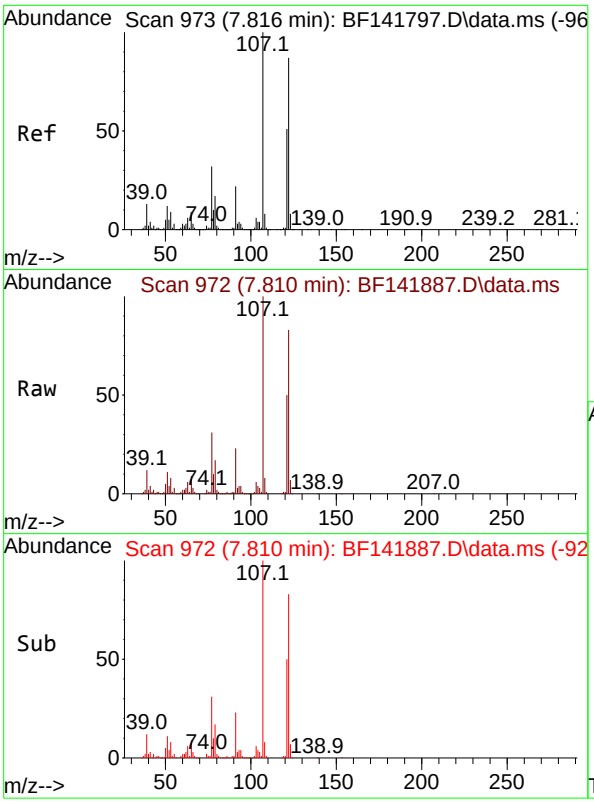


#26
2-Nitrophenol
Concen: 51.787 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:139 Resp: 221747

Ion	Ratio	Lower	Upper
139	100		
109	32.7	24.1	36.1
65	51.4	42.3	63.5





#27
2,4-Dimethylphenol
Concen: 53.928 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:122 Resp: 37830

Ion	Ratio	Lower	Upper
122	100		
107	120.9	92.5	138.7
121	59.9	47.1	70.7

Instrument :
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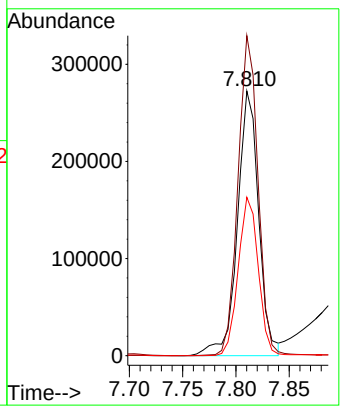
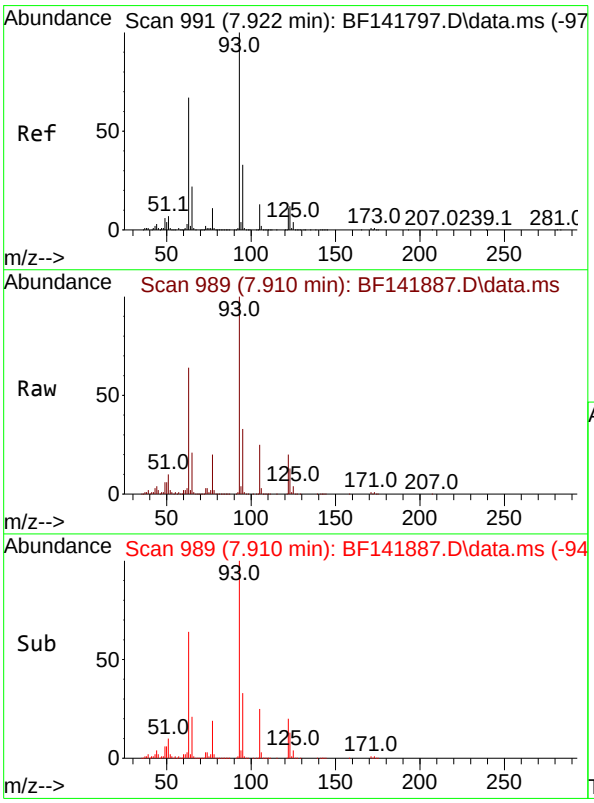
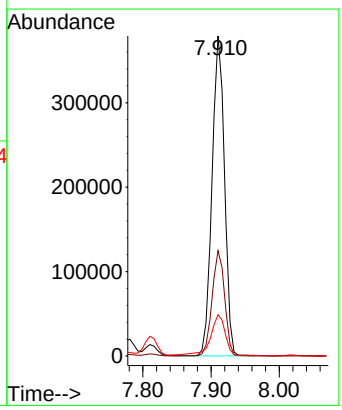


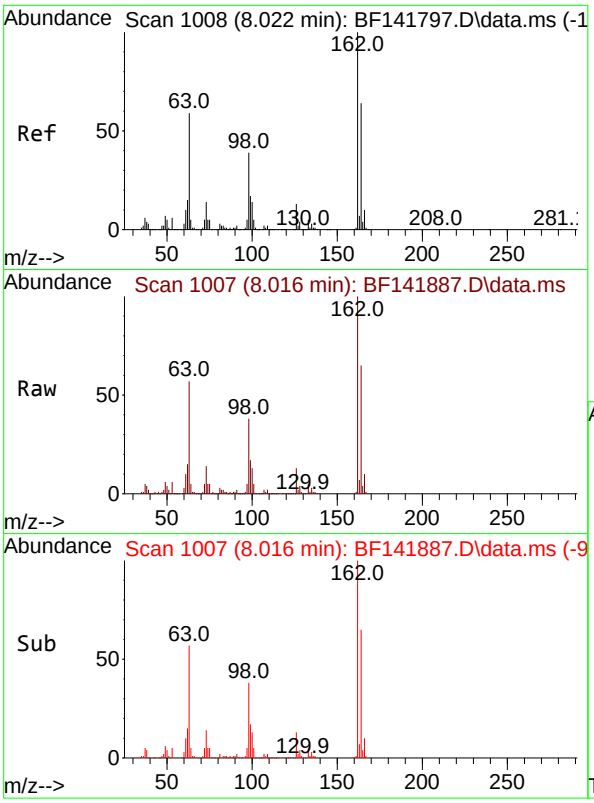


#28
bis(2-Chloroethoxy)methane
Concen: 39.599 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion: 93 Resp: 482066

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.5	39.7
123	12.9	10.0	15.0





#29
2,4-Dichlorophenol
Concen: 46.908 ng
RT: 8.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:162 Resp: 37962

Ion	Ratio	Lower	Upper
162	100		
164	64.9	44.3	84.3
98	38.3	19.6	59.6

Instrument :
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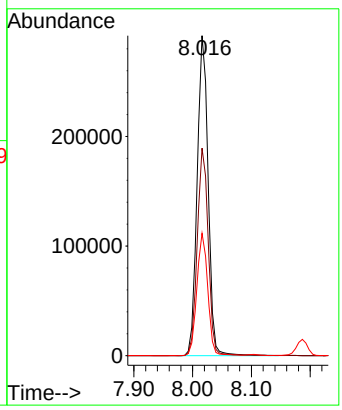
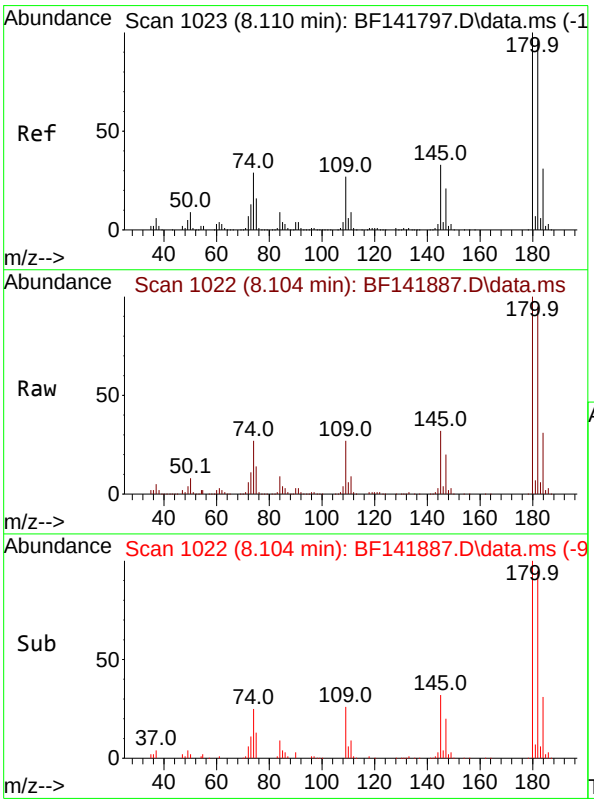
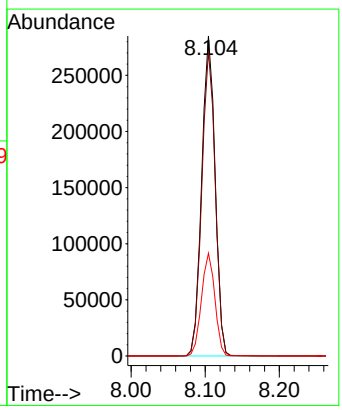


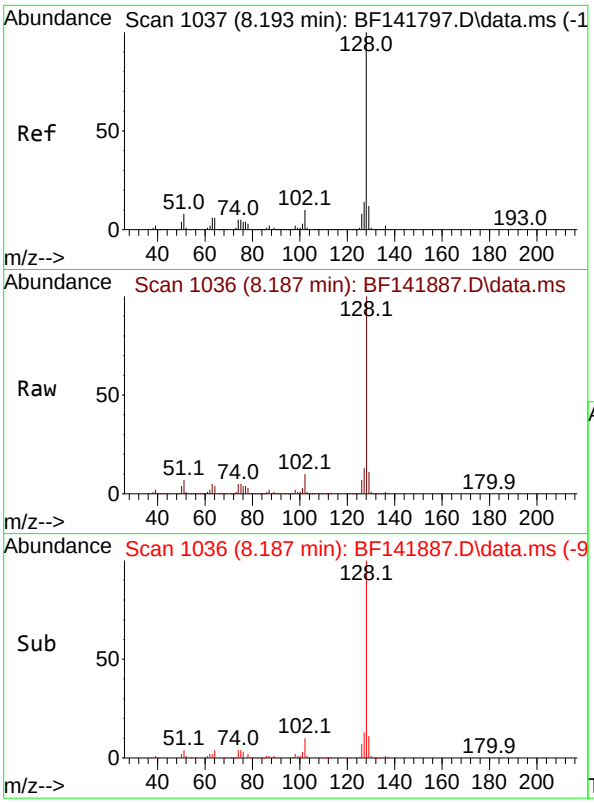


#30
1,2,4-Trichlorobenzene
Concen: 40.392 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:180 Resp: 358200

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.8	115.2
145	32.1	26.4	39.6

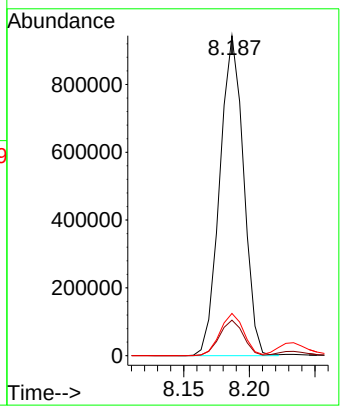




#31
Naphthalene
Concen: 40.801 ng
RT: 8.187 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:128 Resp: 119068

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.2	13.8
127	13.2	11.0	16.4



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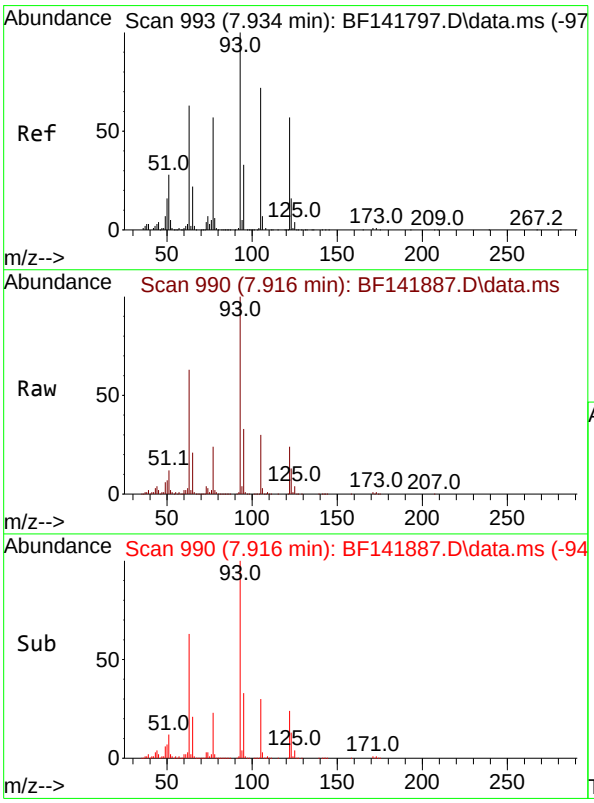
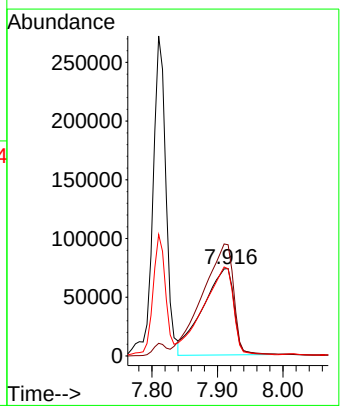
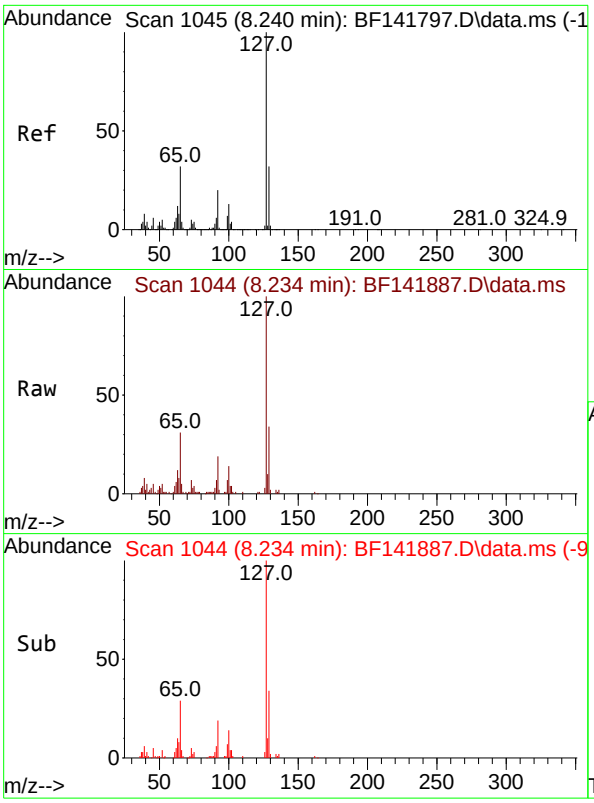


#32
Benzoic acid
Concen: 42.551 ng
RT: 7.916 min Scan# 990
Delta R.T. -0.018 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:122 Resp: 243052

Ion	Ratio	Lower	Upper
122	100		
105	127.3	105.8	145.8
77	99.8	79.9	119.9

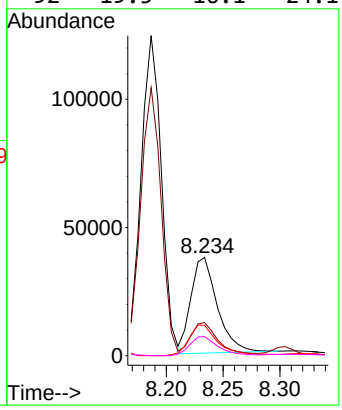




#33
4-Chloroaniline
Concen: 5.649 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:127 Resp: 6044

Ion	Ratio	Lower	Upper
127	100		
129	33.8	26.1	39.1
65	30.8	25.7	38.5
92	19.5	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
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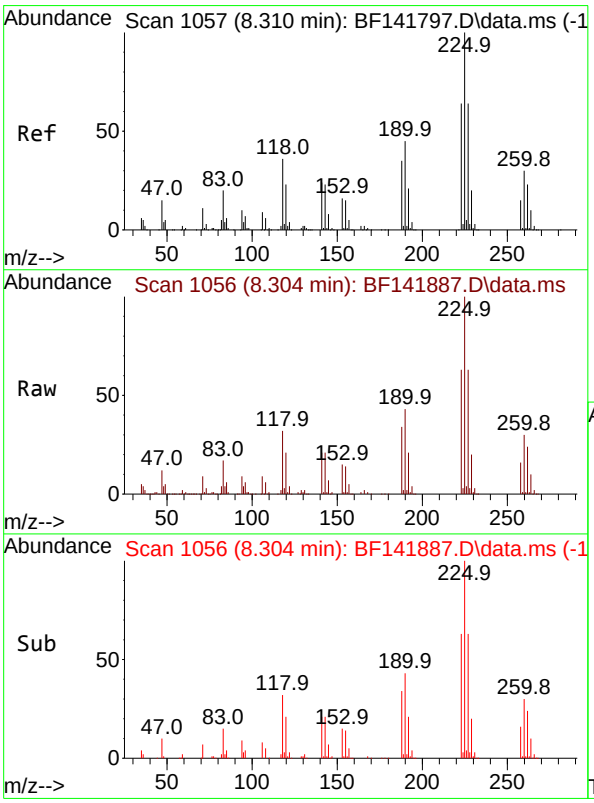
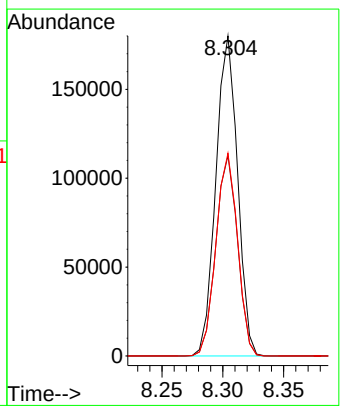
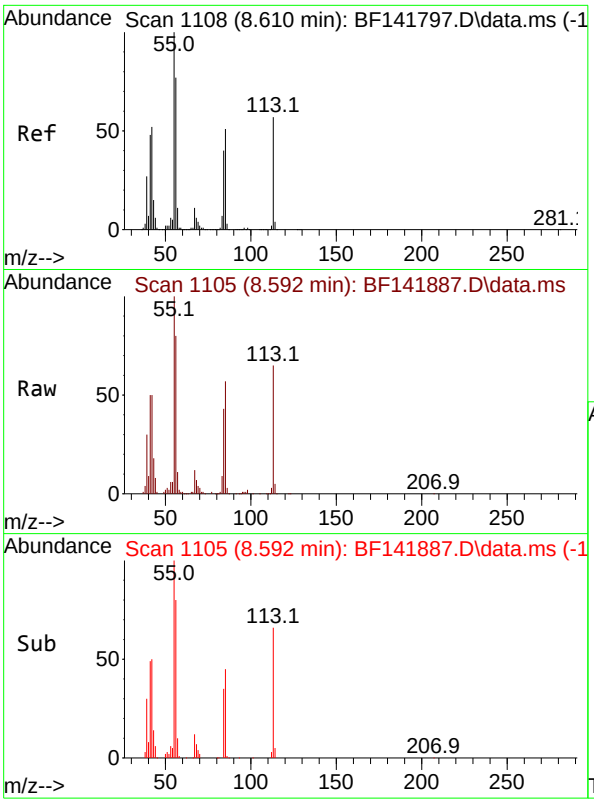


#34
Hexachlorobutadiene
Concen: 40.510 ng
RT: 8.304 min Scan# 1056
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:225 Resp: 223239

Ion	Ratio	Lower	Upper
225	100		
223	62.6	51.4	77.2
227	63.4	51.6	77.4

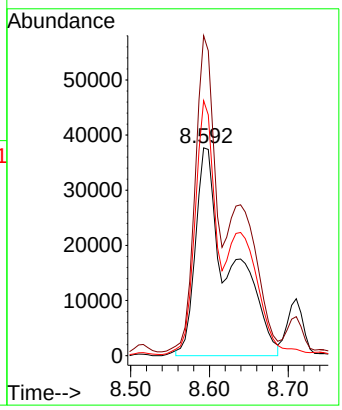




#35
Caprolactam
Concen: 46.612 ng m
RT: 8.592 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:113 Resp: 11604

Ion	Ratio	Lower	Upper
113	100		
55	153.9	155.6	195.6
56	122.7	114.6	154.6



Instrument :
BNA_F
ClientSampleId :
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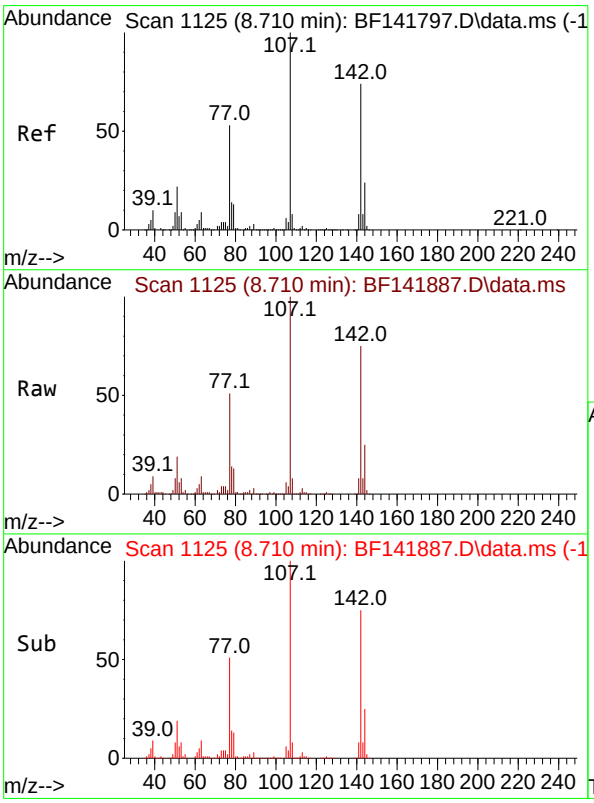
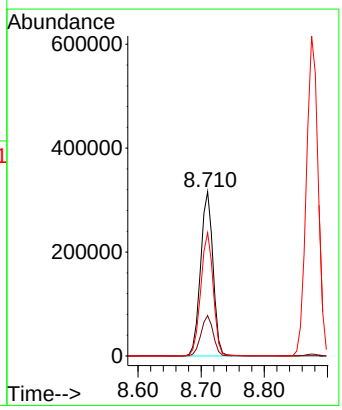
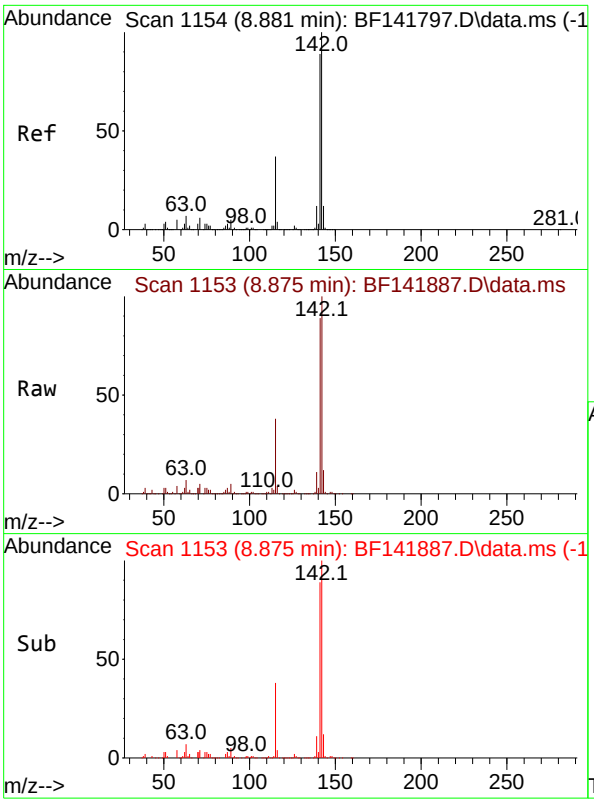


#36
4-Chloro-3-methylphenol
Concen: 48.315 ng
RT: 8.710 min Scan# 1125
Delta R.T. 0.000 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:107 Resp: 434357

Ion	Ratio	Lower	Upper
107	100		
144	24.6	19.4	29.0
142	74.9	59.4	89.0

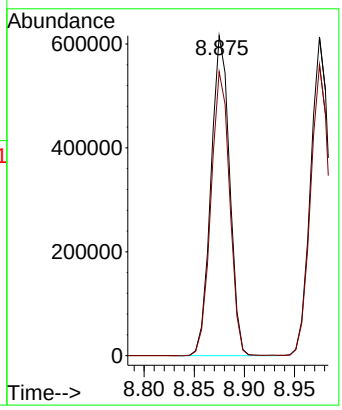




#37
2-Methylnaphthalene
Concen: 41.576 ng
RT: 8.875 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:142 Resp: 79582

Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.1	106.7



Instrument :
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ClientSampleId :
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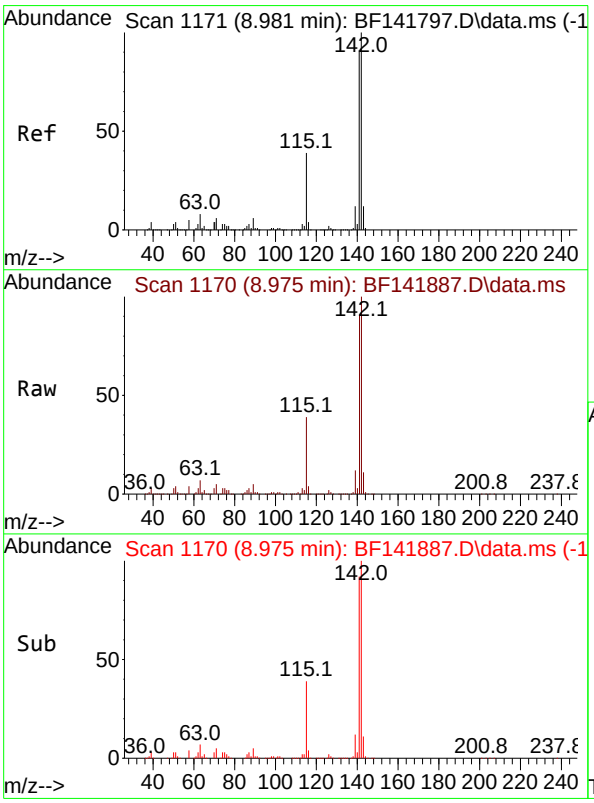
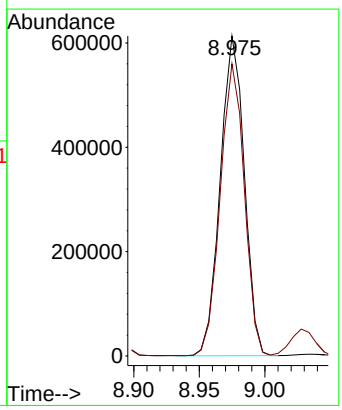
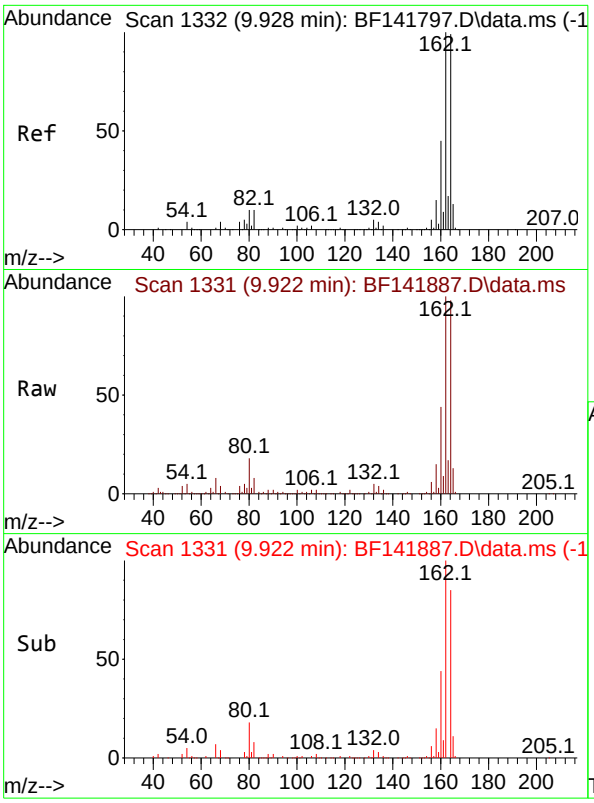


#38
1-Methylnaphthalene
Concen: 42.552 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:142 Resp: 781539

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.1	109.7

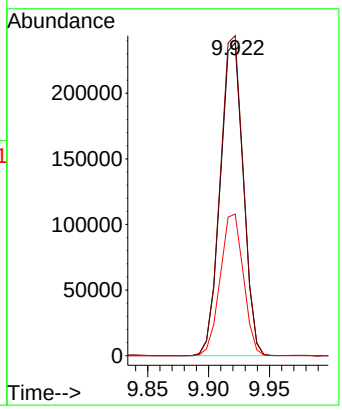




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:164 Resp: 31324

Ion	Ratio	Lower	Upper
164	100		
162	102.3	80.6	120.8
160	45.3	36.3	54.5



Instrument :
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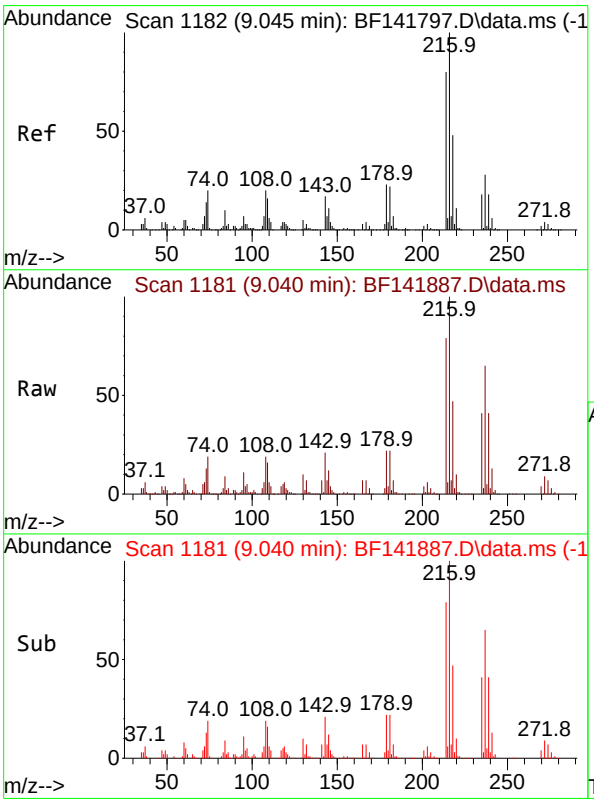
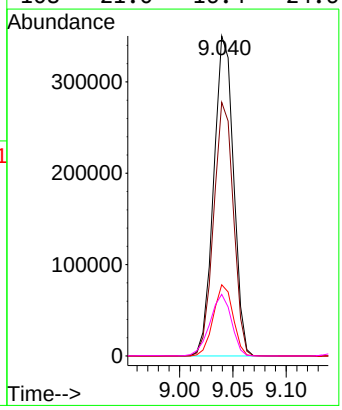
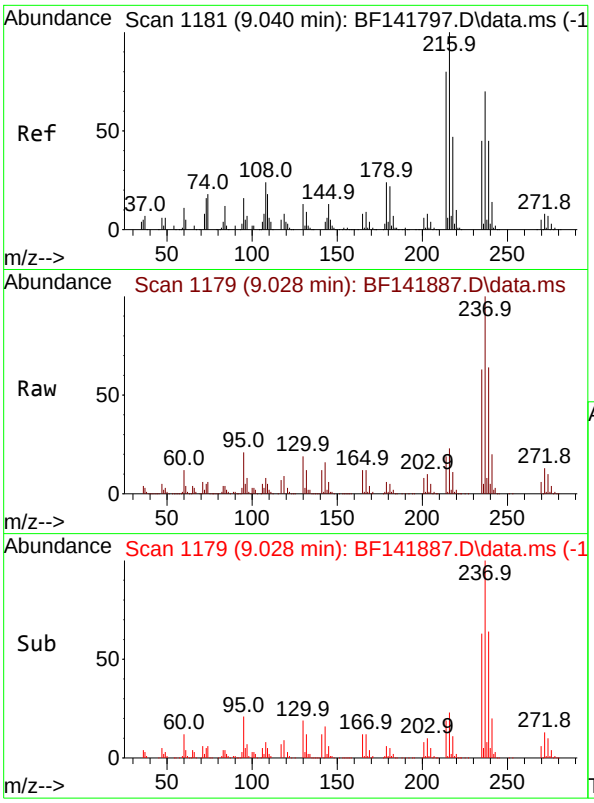


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.980 ng
RT: 9.040 min Scan# 1181
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:216 Resp: 452153

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.5	95.3
179	22.1	18.1	27.1
108	21.0	16.4	24.6

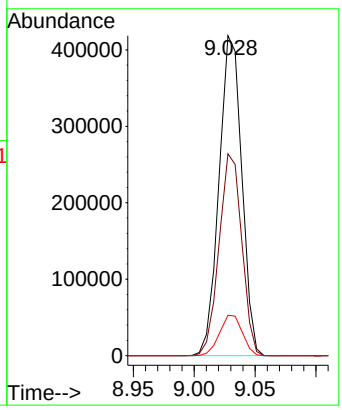




#41
Hexachlorocyclopentadiene
Concen: 144.048 ng
RT: 9.028 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:237 Resp: 54384

Ion	Ratio	Lower	Upper
237	100		
235	63.1	43.3	83.3
272	12.7	0.0	31.9



Instrument :
BNA_F
ClientSampleId :
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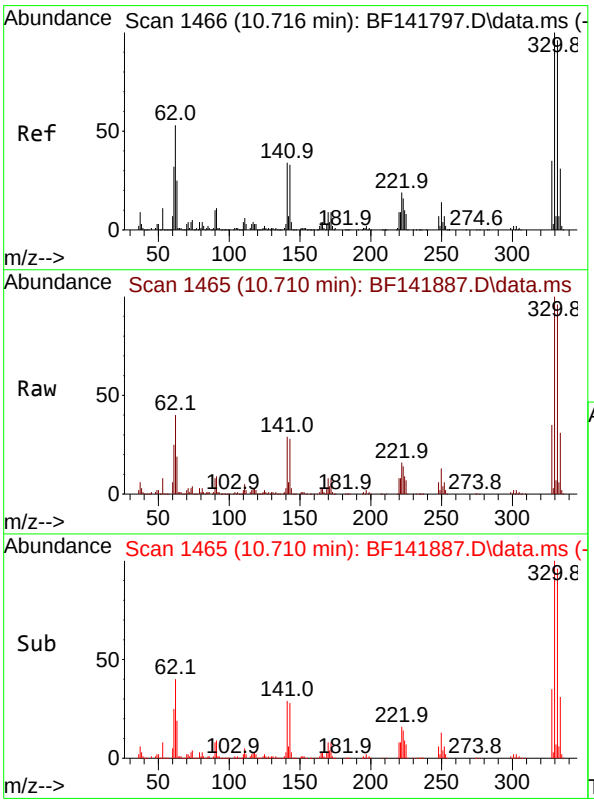
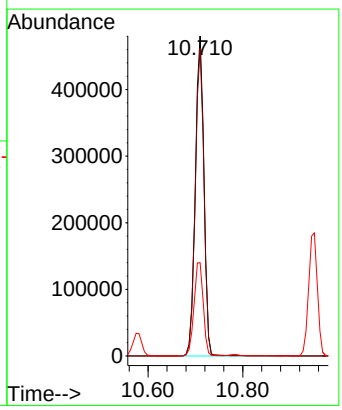
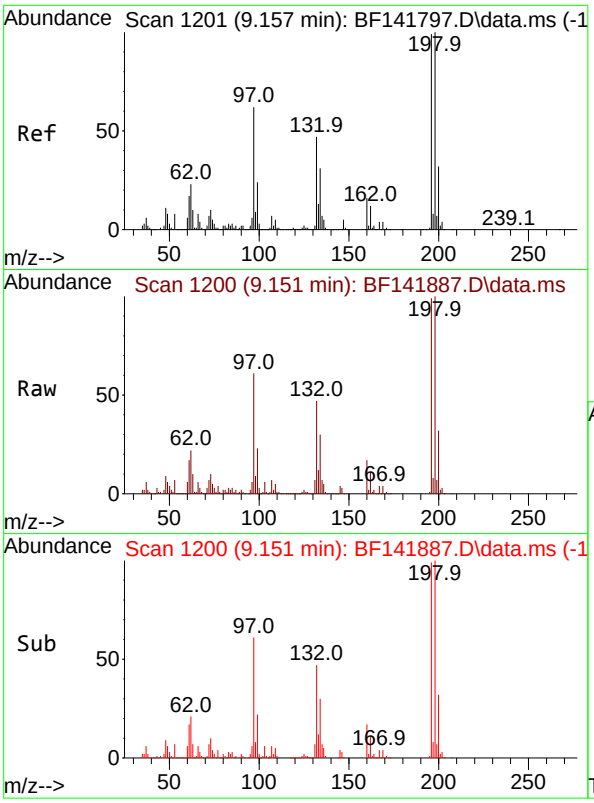


#42
2,4,6-Tribromophenol
Concen: 207.395 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:330 Resp: 609898

Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	115.0
141	31.1	29.0	43.4





#43
2,4,6-Trichlorophenol
Concen: 49.449 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:196 Resp: 28897

Ion	Ratio	Lower	Upper
196	100		
198	101.5	80.4	120.6
200	32.0	25.7	38.5

Instrument :
BNA_F
ClientSampleId :
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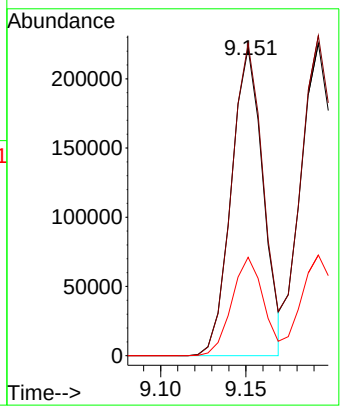
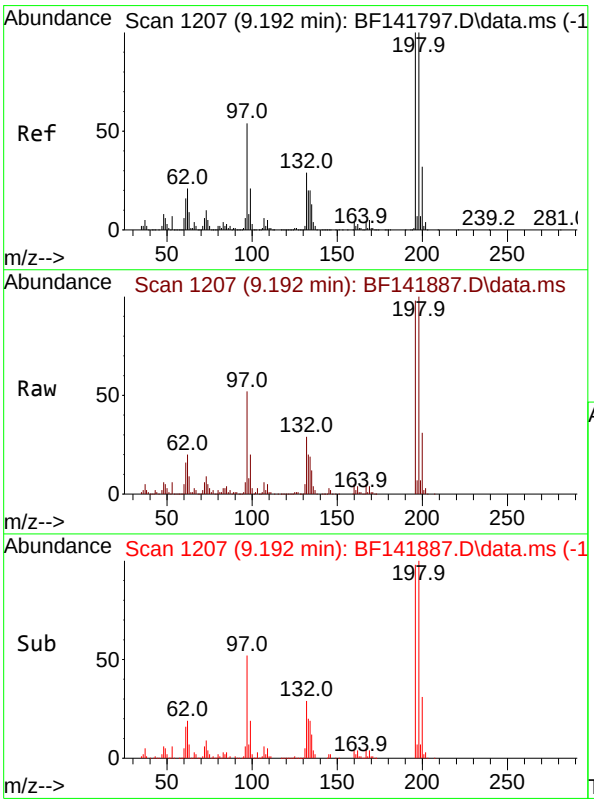
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

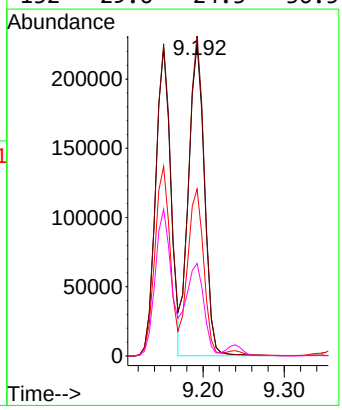


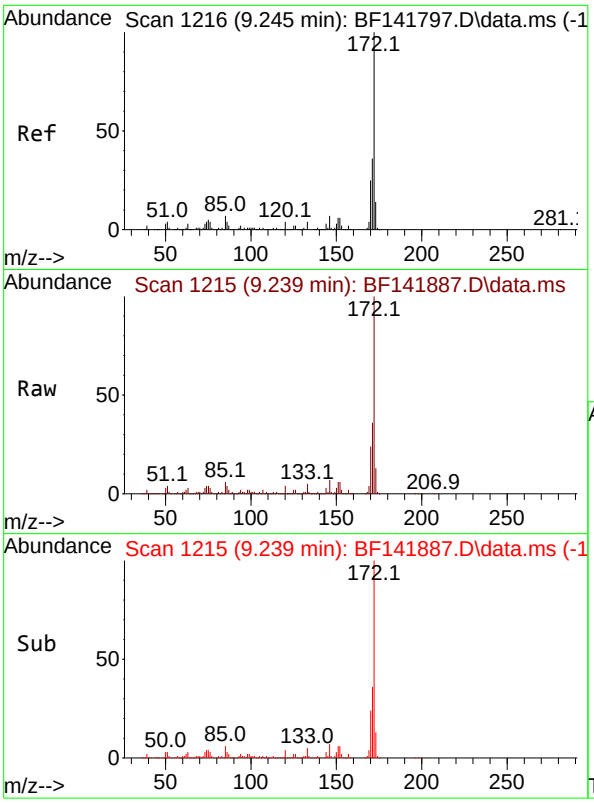


#44
2,4,5-Trichlorophenol
Concen: 53.090 ng
RT: 9.192 min Scan# 1207
Delta R.T. 0.000 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:196 Resp: 307214

Ion	Ratio	Lower	Upper
196	100		
198	102.5	79.7	119.5
97	53.4	44.2	66.2
132	29.6	24.3	36.5

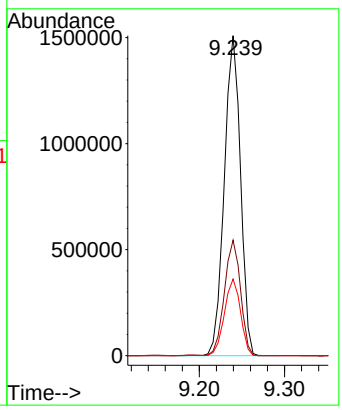




#45
2-Fluorobiphenyl
Concen: 101.976 ng
RT: 9.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:172 Resp: 199215

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.2	43.8
170	24.0	19.7	29.5



Instrument :
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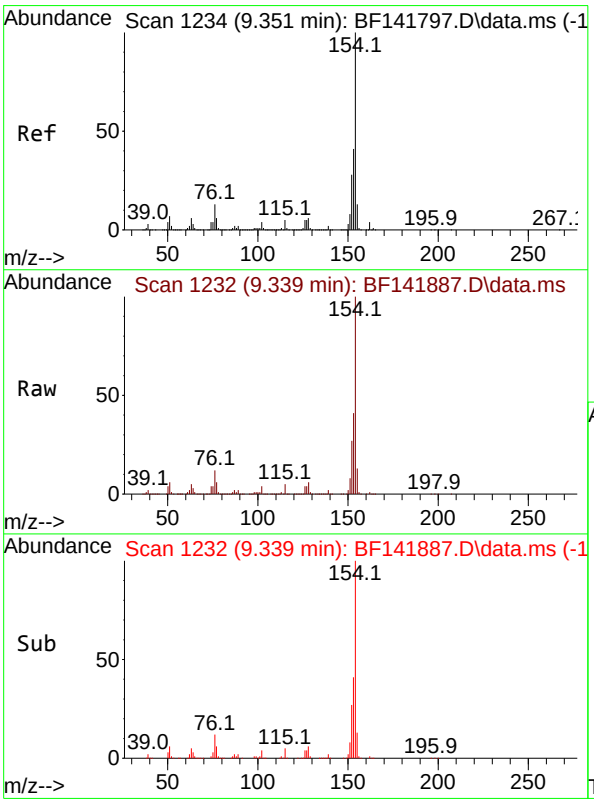
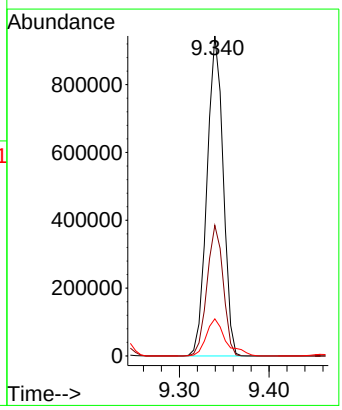
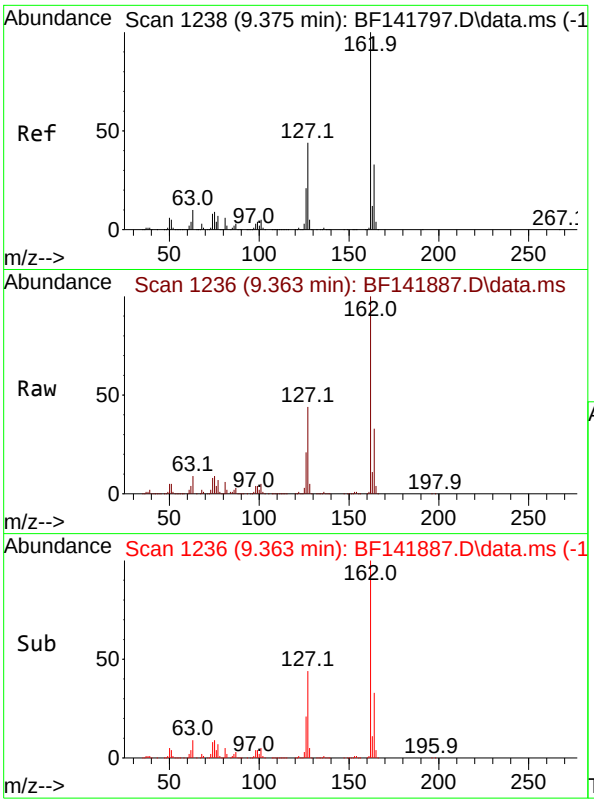


#46
1,1'-Biphenyl
Concen: 49.444 ng
RT: 9.339 min Scan# 1232
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:154 Resp: 1178867

Ion	Ratio	Lower	Upper
154	100		
153	40.8	21.4	61.4
76	11.6	0.0	33.4

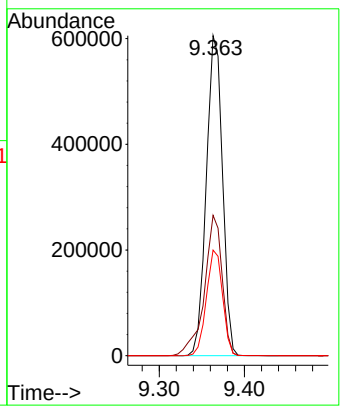




#47
2-Chloronaphthalene
Concen: 45.428 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:162 Resp: 79941

Ion	Ratio	Lower	Upper
162	100		
127	43.9	35.0	52.6
164	33.0	26.6	40.0



Instrument :
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ClientSampleId :
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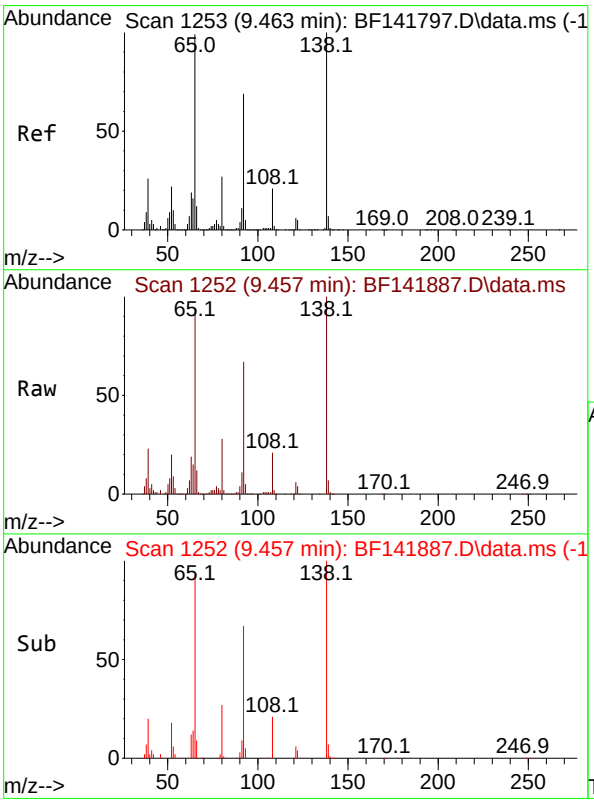
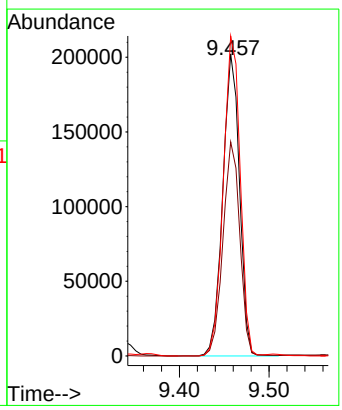
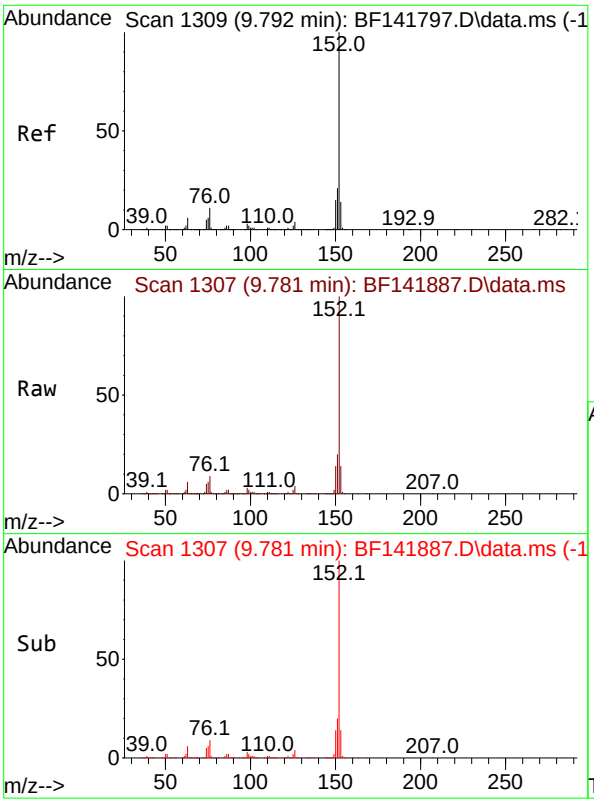


#48
2-Nitroaniline
Concen: 53.866 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion: 65 Resp: 262276

Ion	Ratio	Lower	Upper
65	100		
92	70.9	55.7	83.5
138	105.9	80.6	121.0

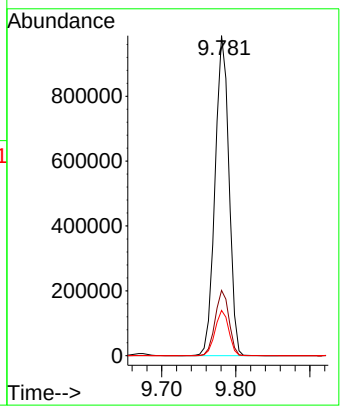




#49
Acenaphthylene
Concen: 48.647 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:152 Resp: 128350

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.6	24.8
153	14.1	11.2	16.8



Instrument :
BNA_F
ClientSampleId :
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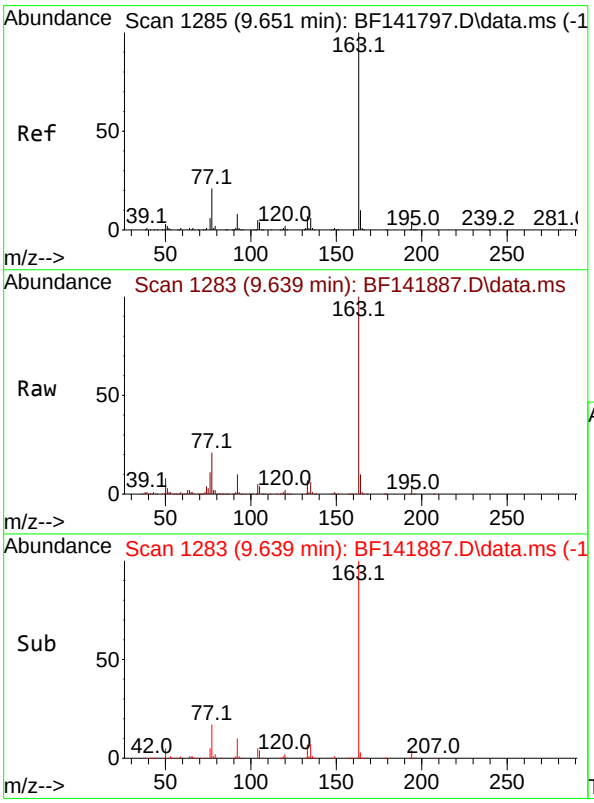
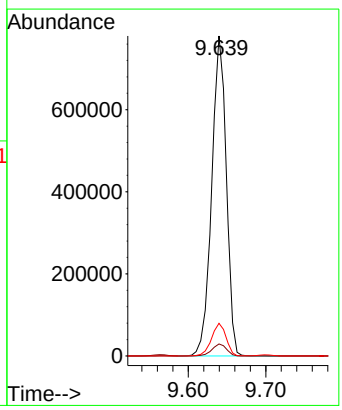
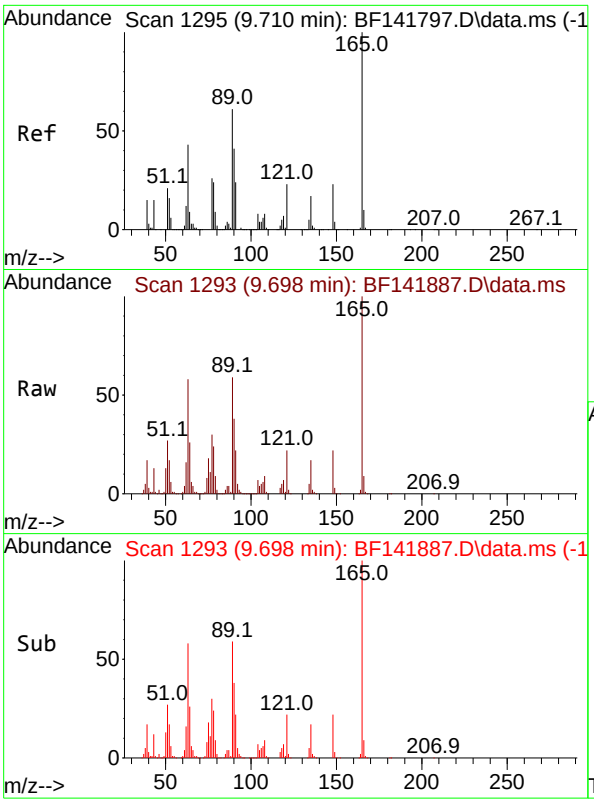


#50
Dimethylphthalate
Concen: 48.612 ng
RT: 9.639 min Scan# 1283
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:163 Resp: 1019741

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.2	8.4	12.6





#51
2,6-Dinitrotoluene
Concen: 54.763 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:165 Resp: 22145

Ion	Ratio	Lower	Upper
165	100		
63	57.6	49.5	74.3
89	58.7	49.0	73.4

Instrument :
BNA_F
ClientSampleId :
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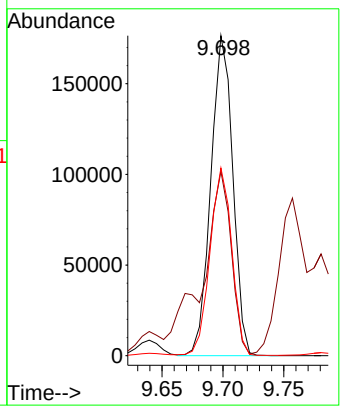
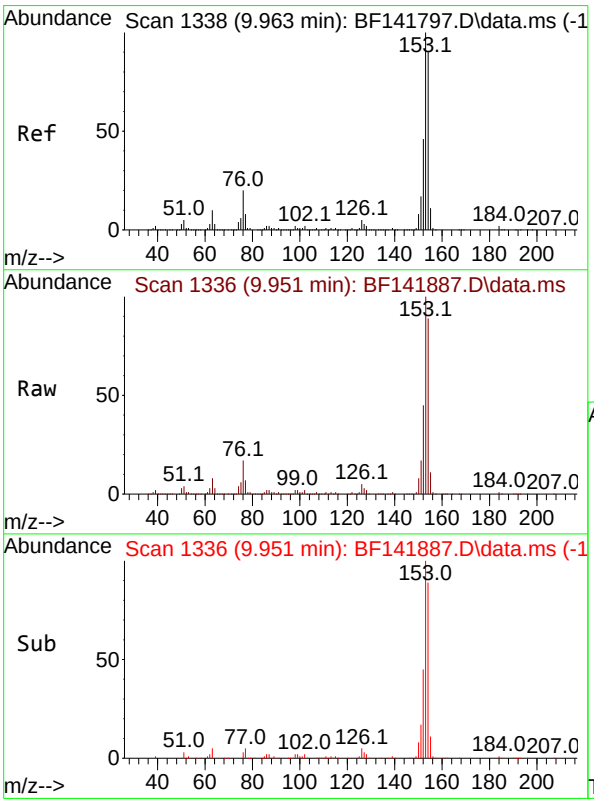
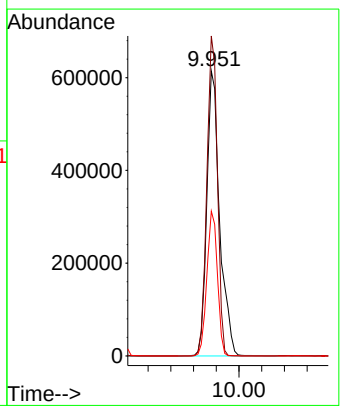


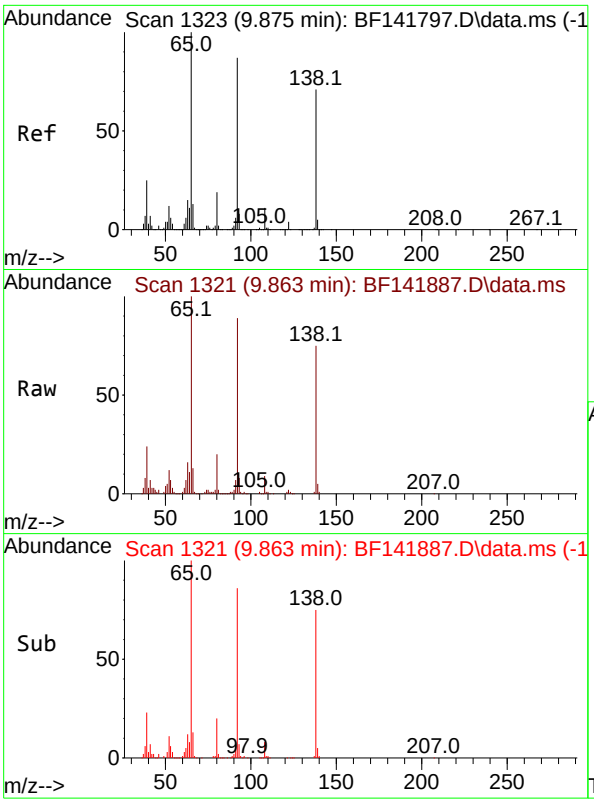


#52
Acenaphthene
Concen: 54.103 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:154 Resp: 963187

Ion	Ratio	Lower	Upper
154	100		
153	112.3	88.7	133.1
152	50.8	40.9	61.3





#53
3-Nitroaniline
Concen: 19.074 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:138 Resp: 7338

Ion	Ratio	Lower	Upper
138	100		
108	11.6	12.7	19.1#
92	118.3	97.9	146.9

Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS

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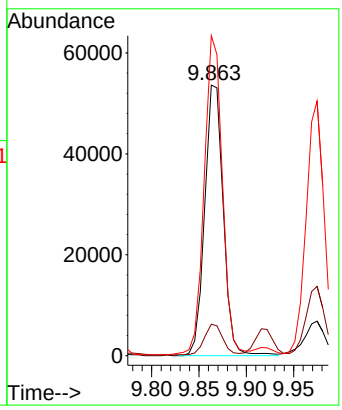
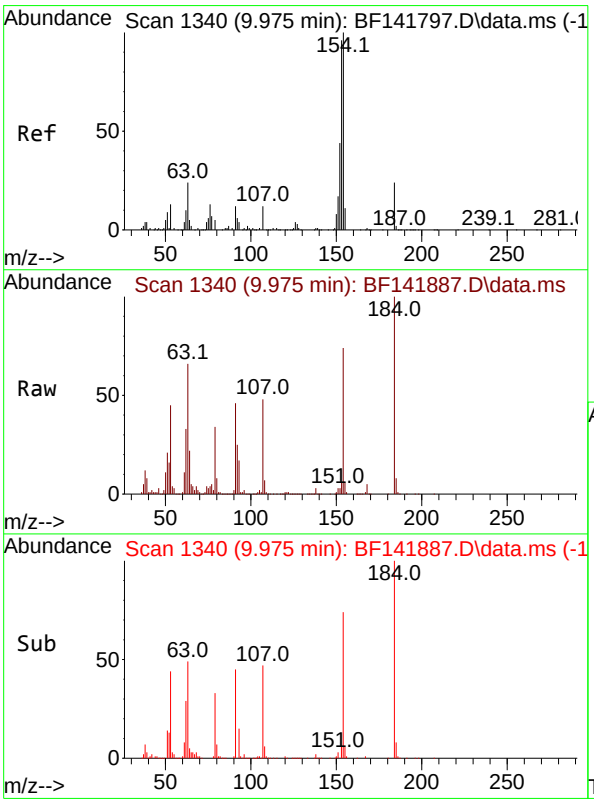
Supervised By :Jagrut Upadhyay 03/10/2025

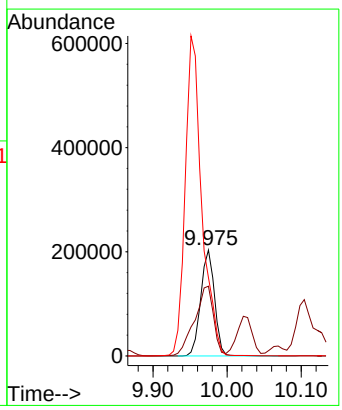


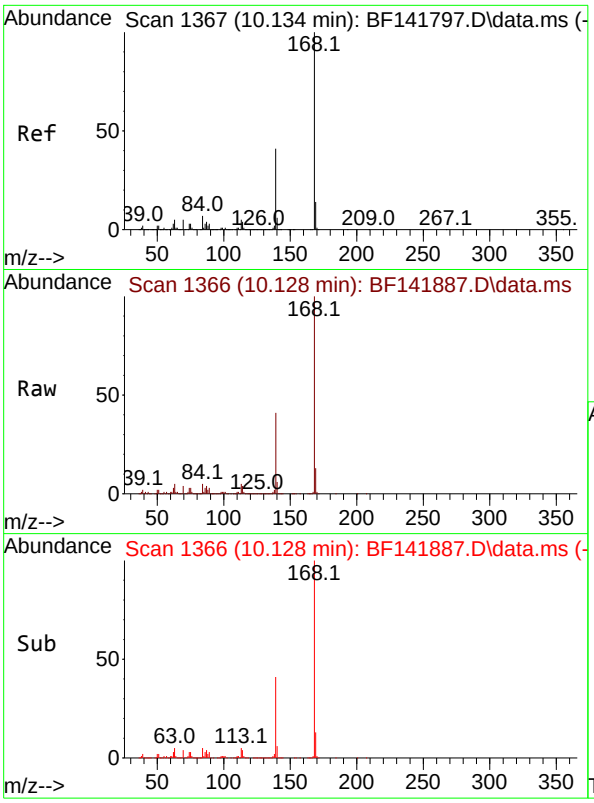


#54
2,4-Dinitrophenol
Concen: 121.668 ng
RT: 9.975 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:184 Resp: 264098

Ion	Ratio	Lower	Upper
184	100		
63	65.9	79.0	118.6#
154	74.0	335.8	503.8#

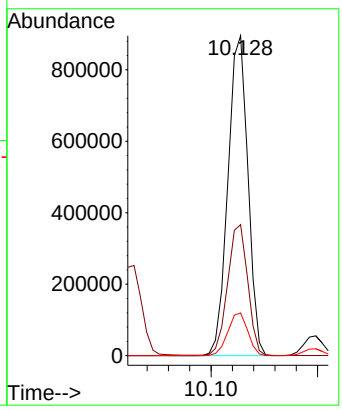




#55
Dibenzofuran
Concen: 44.957 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:168 Resp: 116492

Ion	Ratio	Lower	Upper
168	100		
139	40.9	32.9	49.3
169	13.3	11.1	16.7



Instrument :
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ClientSampleId :
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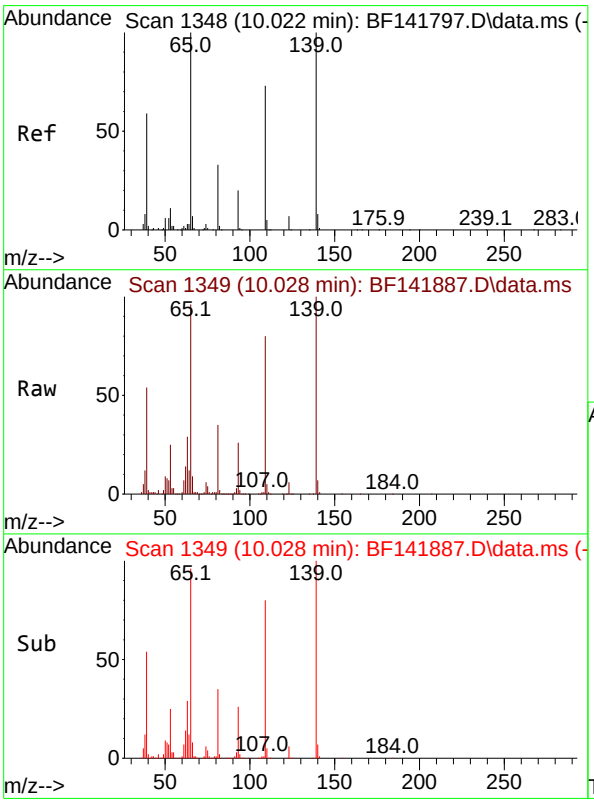
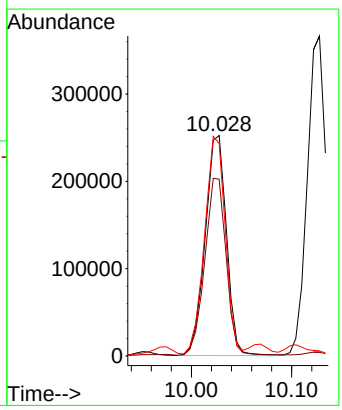
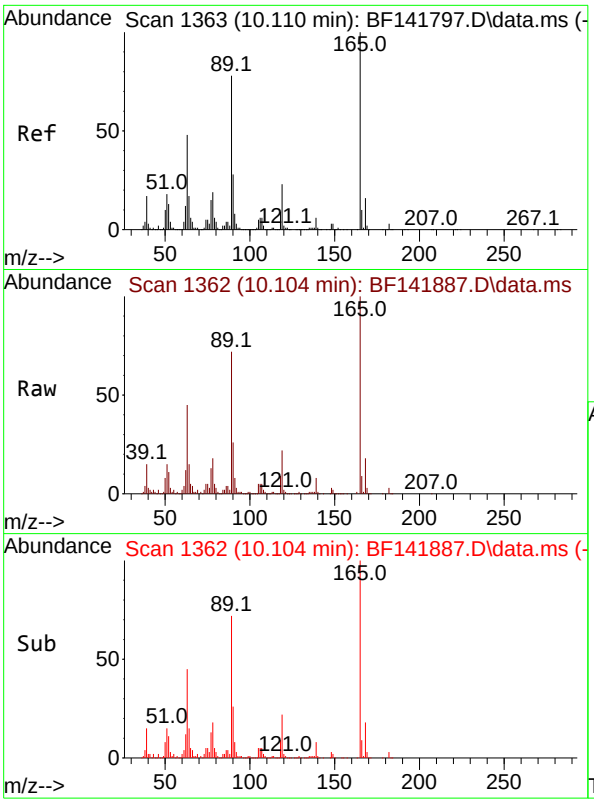


#56
4-Nitrophenol
Concen: 119.989 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:139 Resp: 371749

Ion	Ratio	Lower	Upper
139	100		
109	80.2	53.4	93.4
65	96.4	82.1	122.1

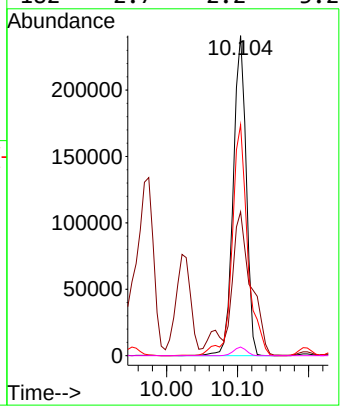




#57
2,4-Dinitrotoluene
Concen: 61.563 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:165 Resp: 30702

Ion	Ratio	Lower	Upper
165	100		
63	44.9	38.8	58.2
89	72.2	62.6	94.0
182	2.7	2.2	3.2



Instrument :
BNA_F
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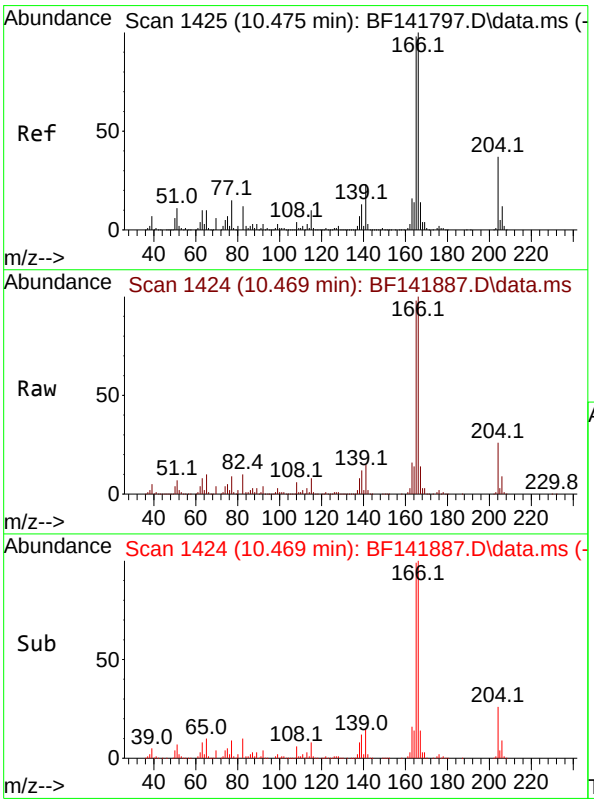
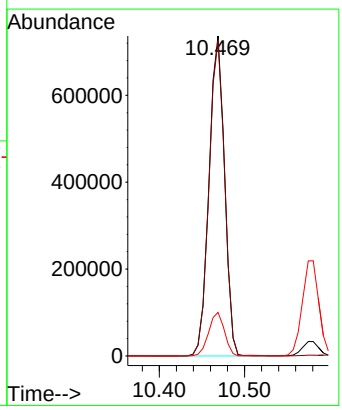
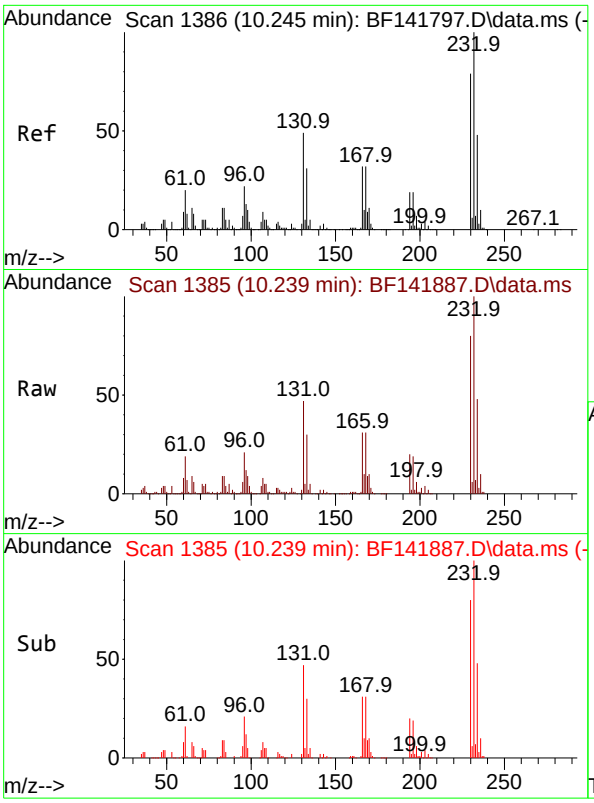


#58
Fluorene
Concen: 48.058 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:166 Resp: 932790

Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.6	117.8
167	13.6	11.0	16.4

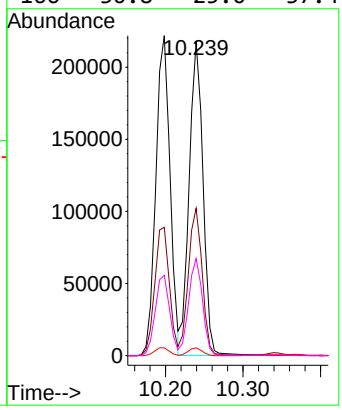




#59
2,3,4,6-Tetrachlorophenol
Concen: 53.698 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:232 Resp: 27025

Ion	Ratio	Lower	Upper
232	100		
131	47.0	37.8	56.8
130	2.5	2.0	3.0
166	30.8	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
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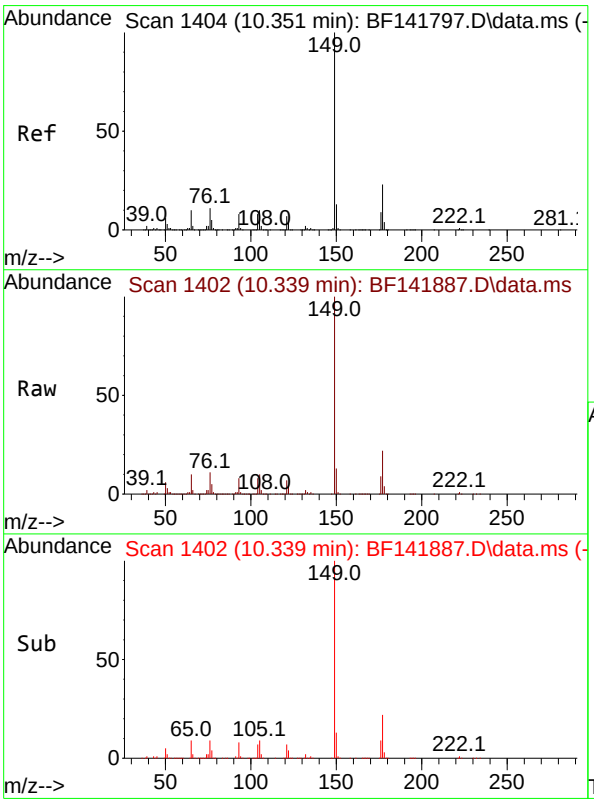
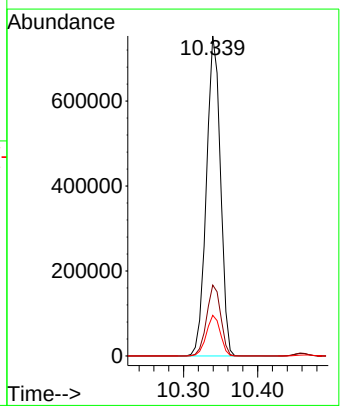
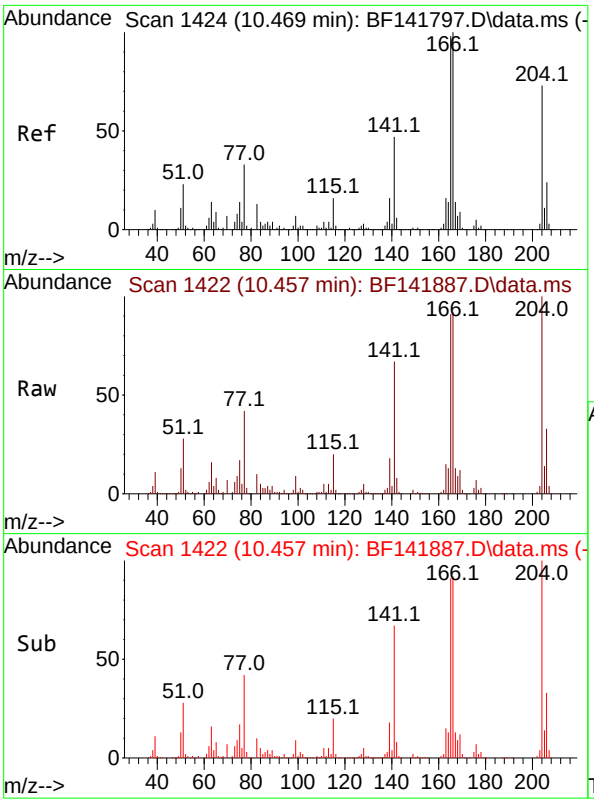


#60
Diethylphthalate
Concen: 47.175 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:149 Resp: 992053

Ion	Ratio	Lower	Upper
149	100		
177	22.2	18.3	27.5
150	12.7	10.3	15.5

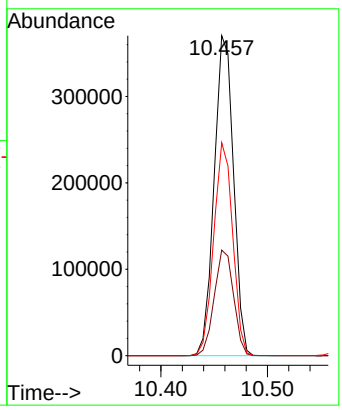




#61
4-Chlorophenyl-phenylether
Concen: 48.049 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:204 Resp: 46727

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.2	39.4
141	66.5	51.7	77.5



Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS

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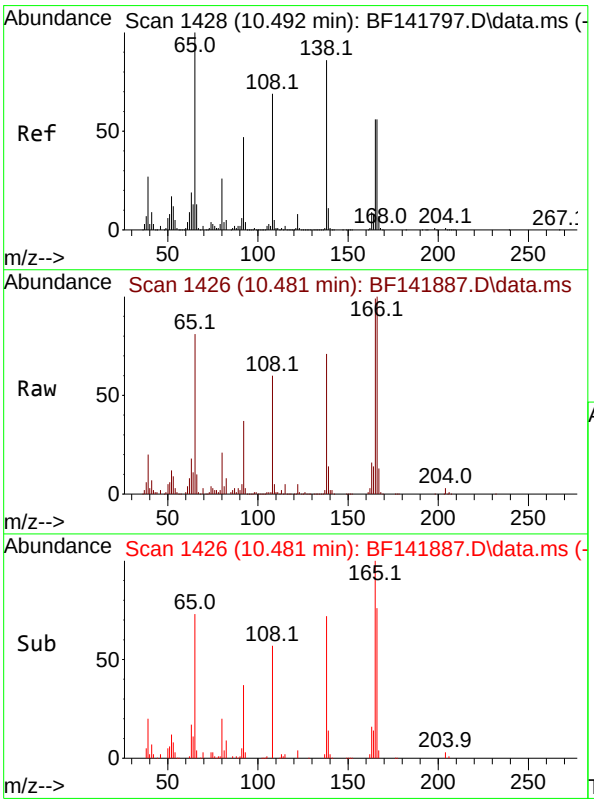
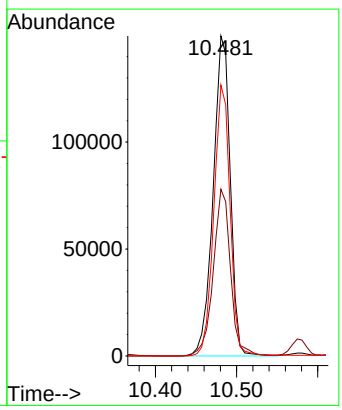
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

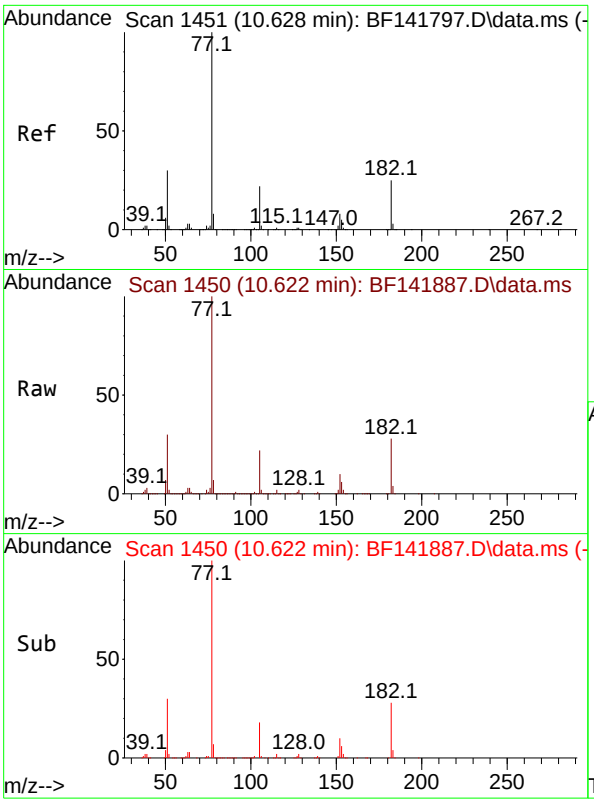


#62
4-Nitroaniline
Concen: 61.060 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:138 Resp: 218738

Ion	Ratio	Lower	Upper
138	100		
92	52.1	34.9	74.9
108	84.7	59.6	99.6

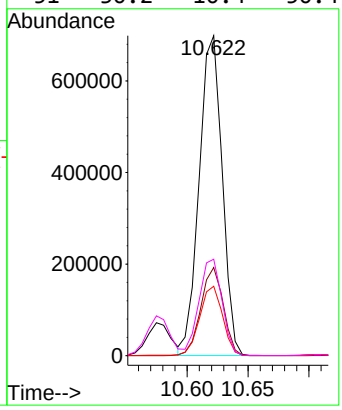




#63
Azobenzene
Concen: 41.379 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion: 77 Resp: 91621

Ion	Ratio	Lower	Upper
77	100		
182	27.5	4.2	44.2
105	21.7	1.5	41.5
51	30.2	10.4	50.4



Instrument :
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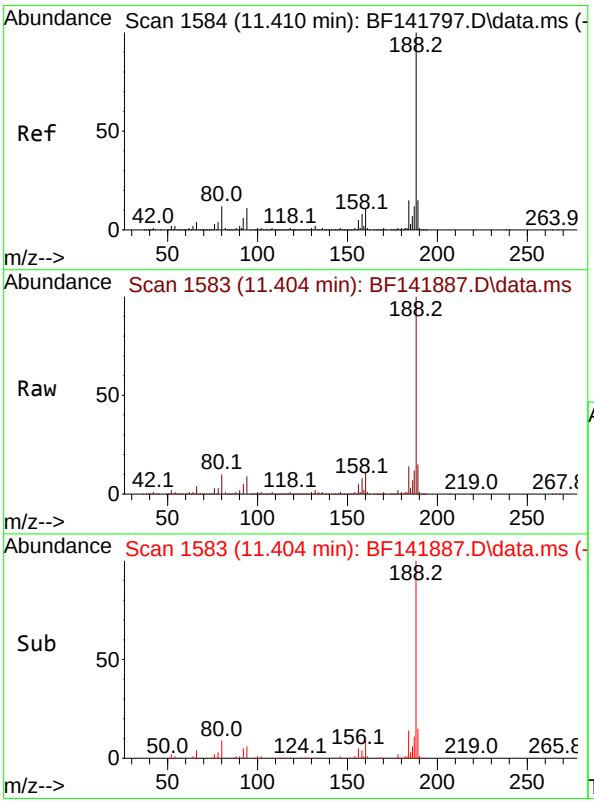
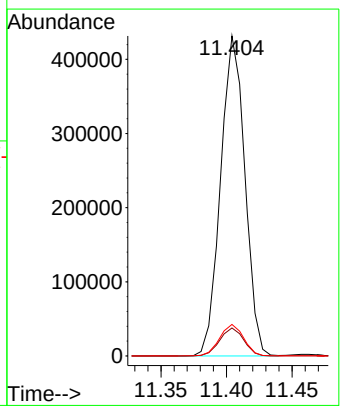
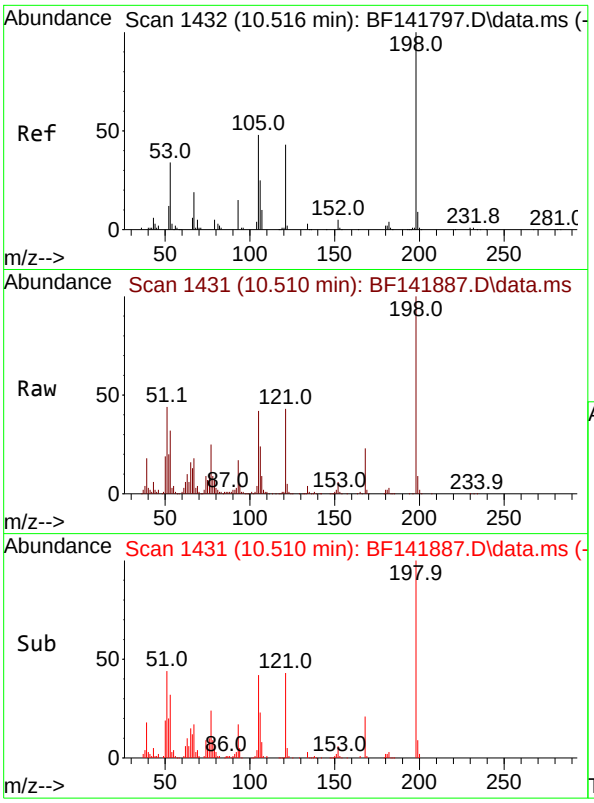


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:188 Resp: 556123

Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.9	13.3#
80	9.8	9.7	14.5

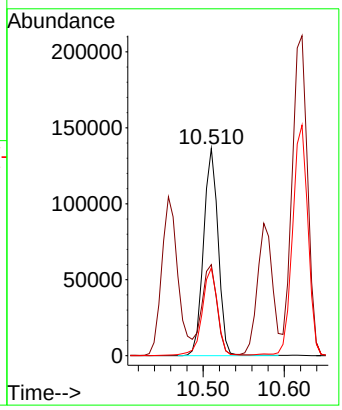




#65
4,6-Dinitro-2-methylphenol
Concen: 62.051 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:198 Resp: 170000

Ion	Ratio	Lower	Upper
198	100		
51	44.0	32.1	72.1
105	42.3	28.5	68.5



Instrument :
BNA_F
ClientSampleId :
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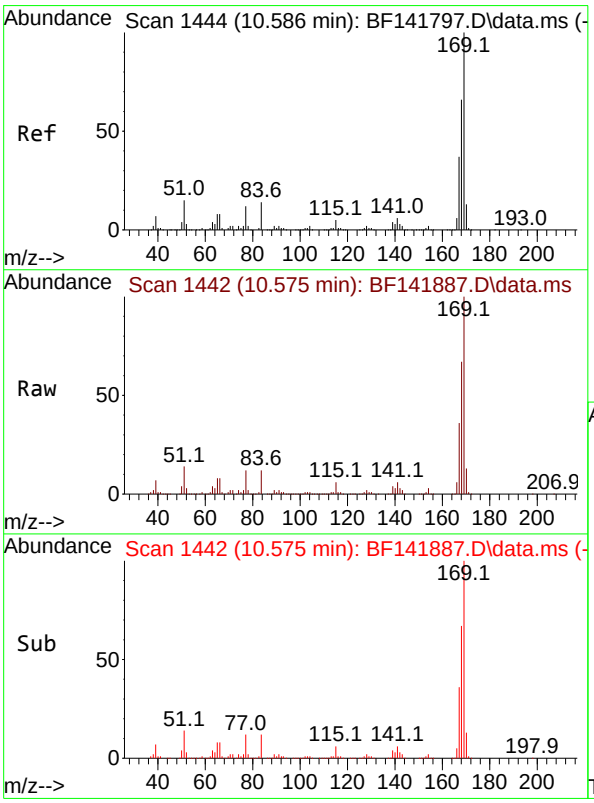
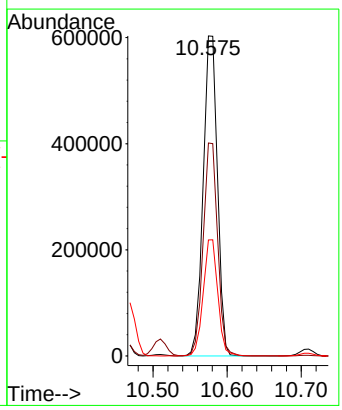
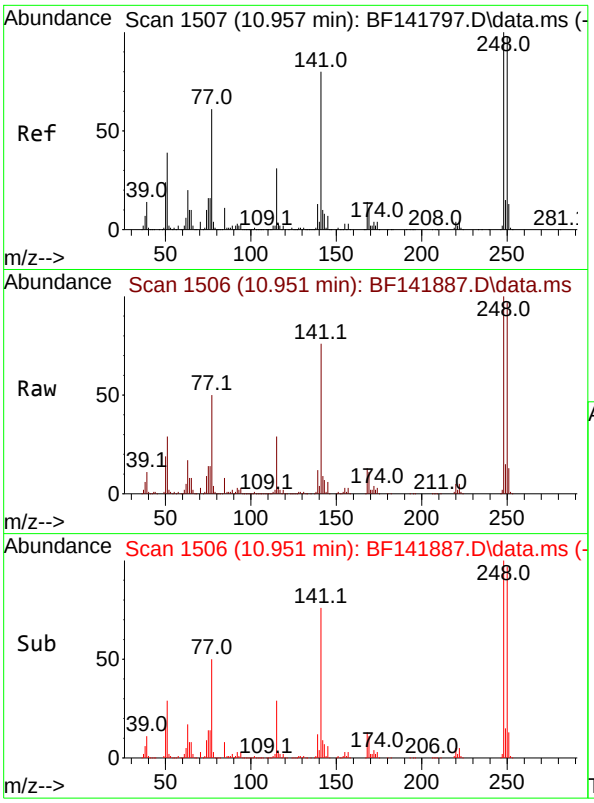


#66
n-Nitrosodiphenylamine
Concen: 44.262 ng
RT: 10.575 min Scan# 1442
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:169 Resp: 808274

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.0	79.6
167	36.3	29.3	43.9

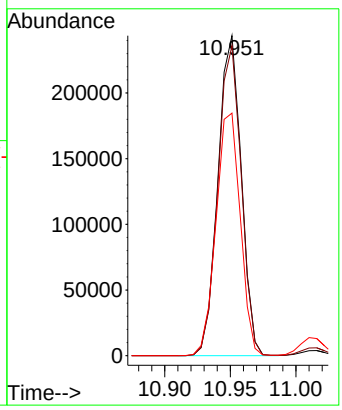




#67
4-Bromophenyl-phenylether
Concen: 46.376 ng
RT: 10.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:248 Resp: 30124

Ion	Ratio	Lower	Upper
248	100		
250	96.9	78.1	117.1
141	75.8	64.3	96.5



Instrument :
BNA_F
ClientSampleId :
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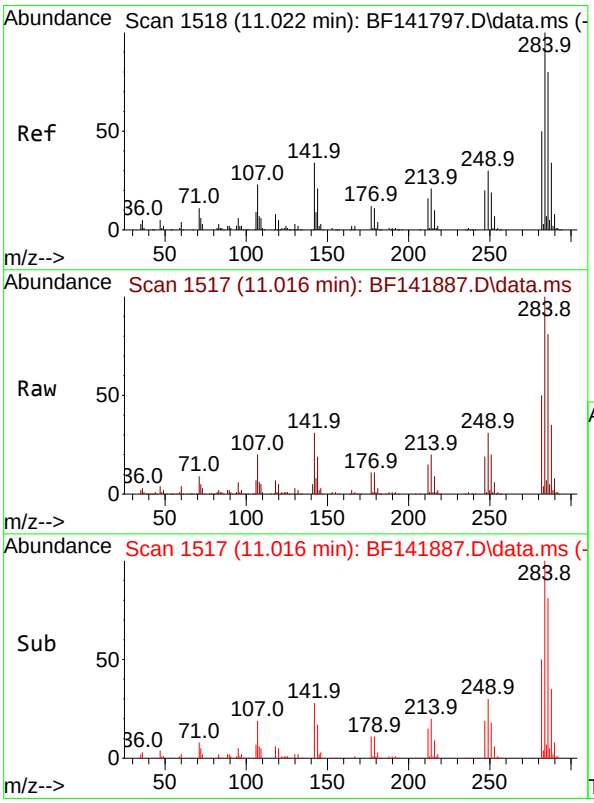
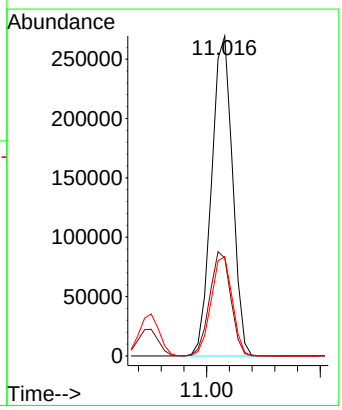
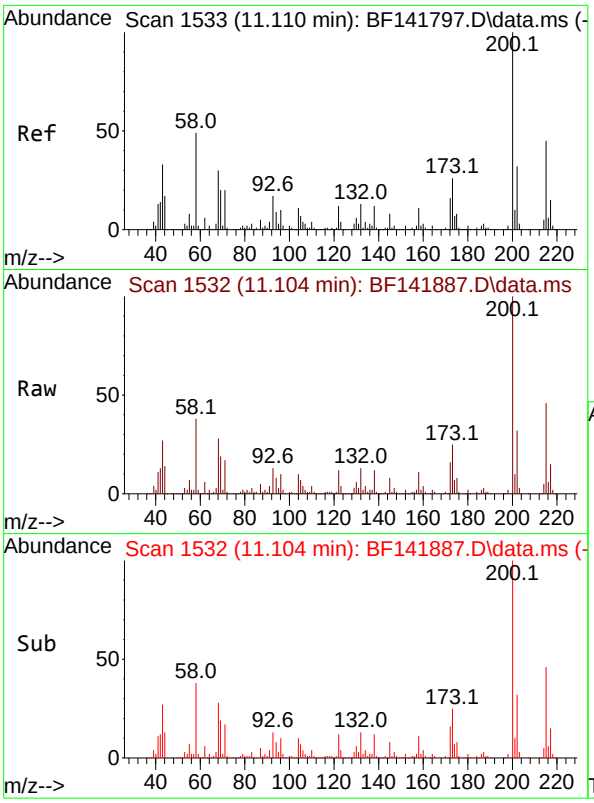


#68
Hexachlorobenzene
Concen: 50.262 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:284 Resp: 344761

Ion	Ratio	Lower	Upper
284	100		
142	30.6	28.2	42.2
249	31.1	25.5	38.3





#69
Atrazine
Concen: 61.748 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS

Tgt Ion:200 Resp: 31008

Ion	Ratio	Lower	Upper
200	100		
173	24.9	5.6	45.6
215	45.6	25.3	65.3

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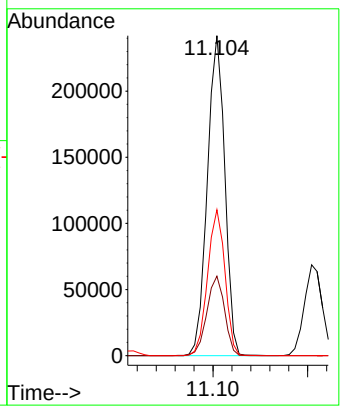
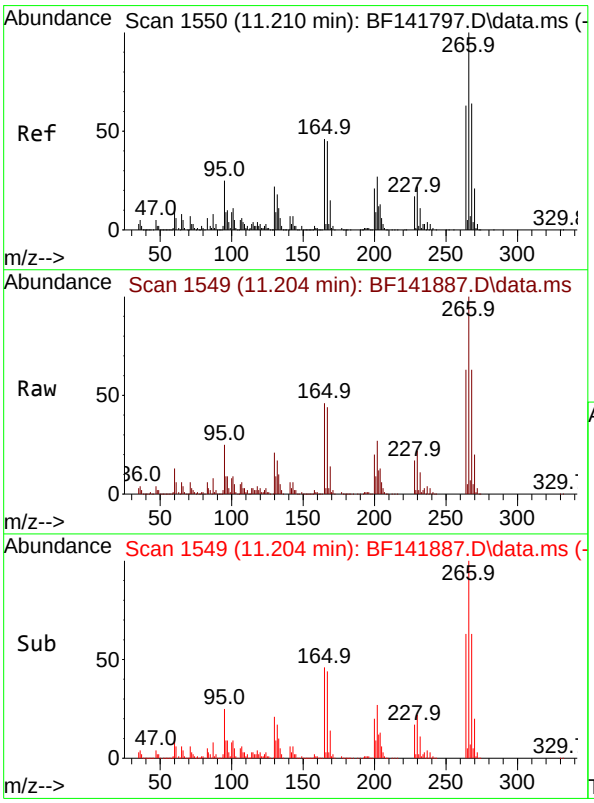
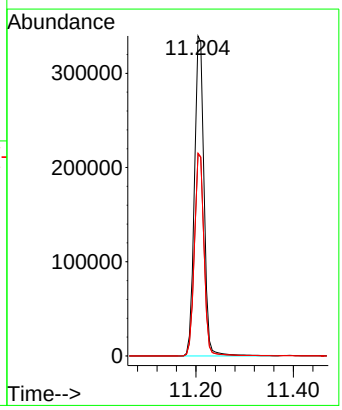


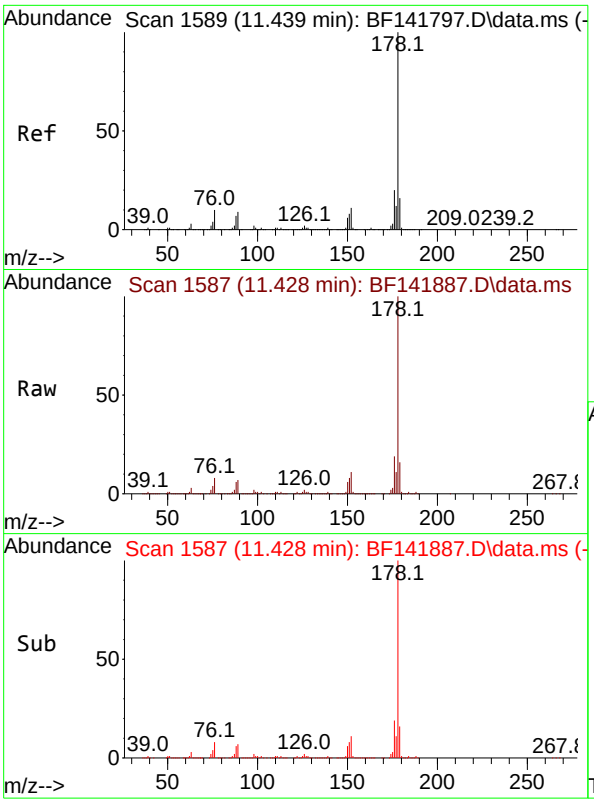


#70
Pentachlorophenol
Concen: 107.379 ng
RT: 11.204 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:266 Resp: 467144

Ion	Ratio	Lower	Upper
266	100		
268	63.1	50.9	76.3
264	63.4	50.2	75.4





#71
Phenanthrene
Concen: 47.860 ng
RT: 11.428 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:178 Resp: 142370

Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.0	24.0
179	15.9	12.6	19.0

Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS

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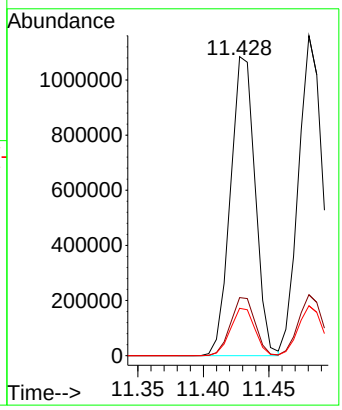
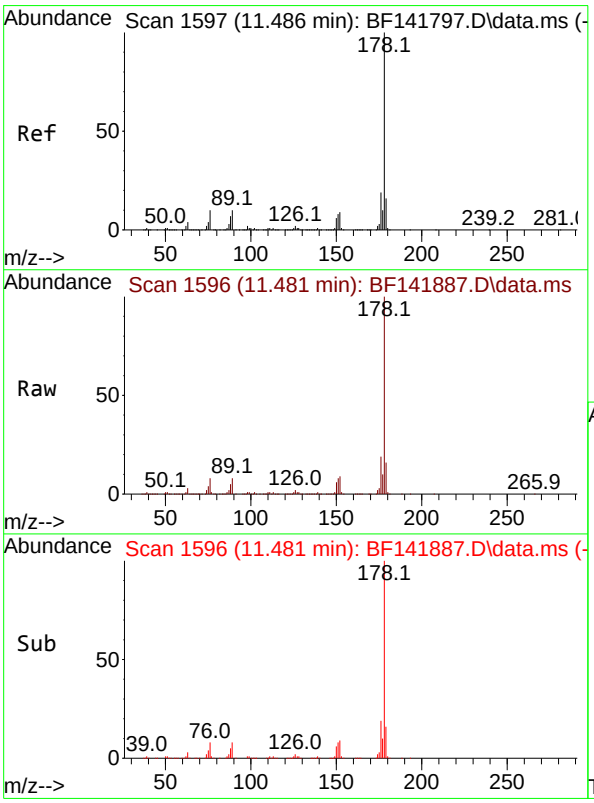
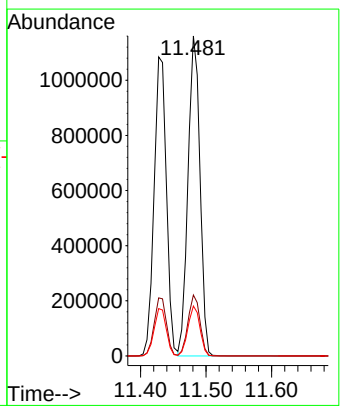


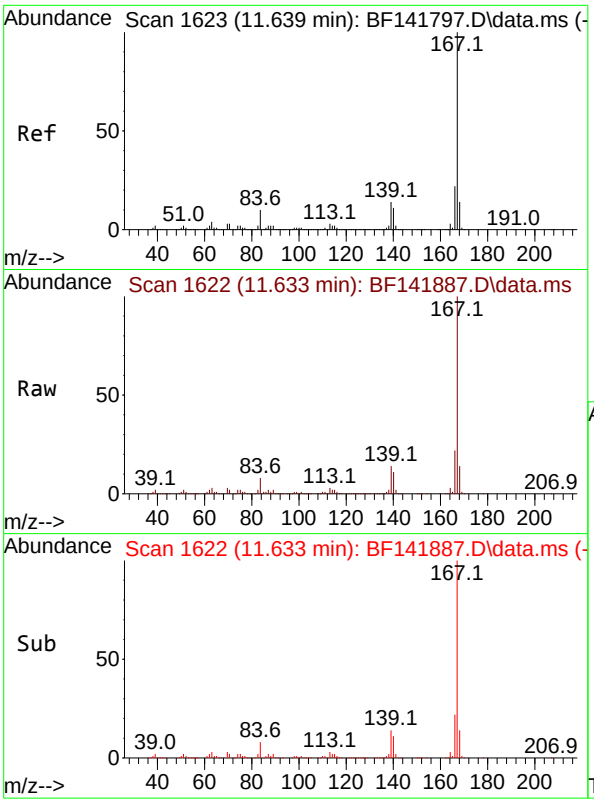


#72
Anthracene
Concen: 49.103 ng
RT: 11.481 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:178 Resp: 1463911

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.6	12.8	19.2

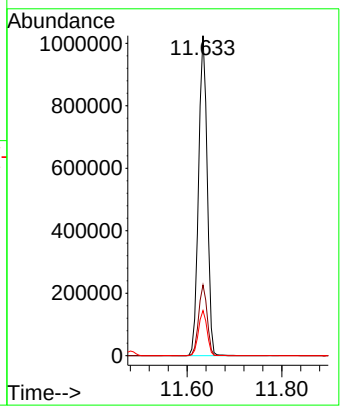




#73
Carbazole
Concen: 49.111 ng
RT: 11.633 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:167 Resp: 129295

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.5	26.3
139	14.1	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
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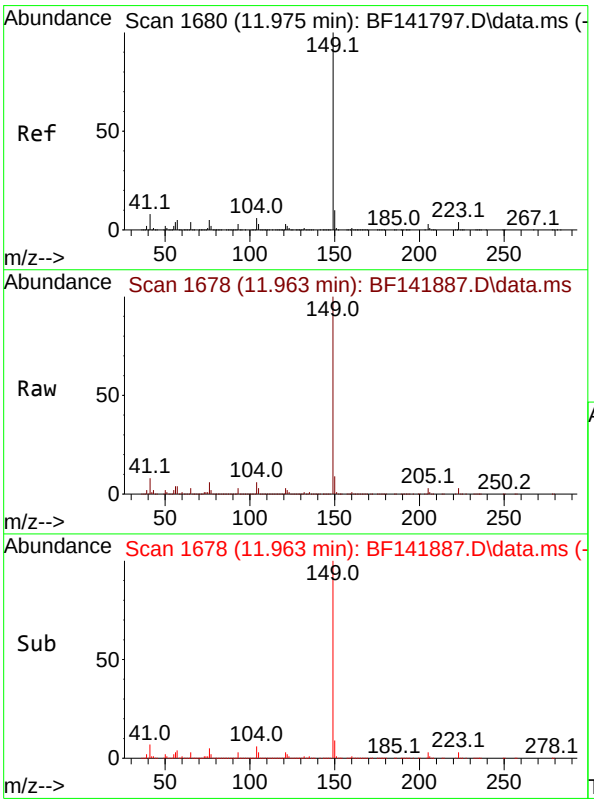
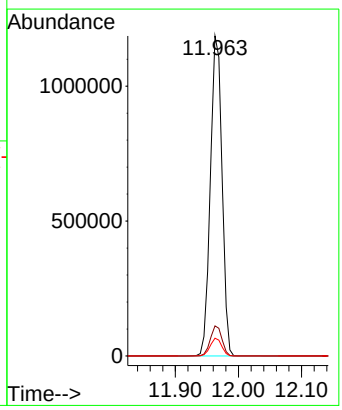
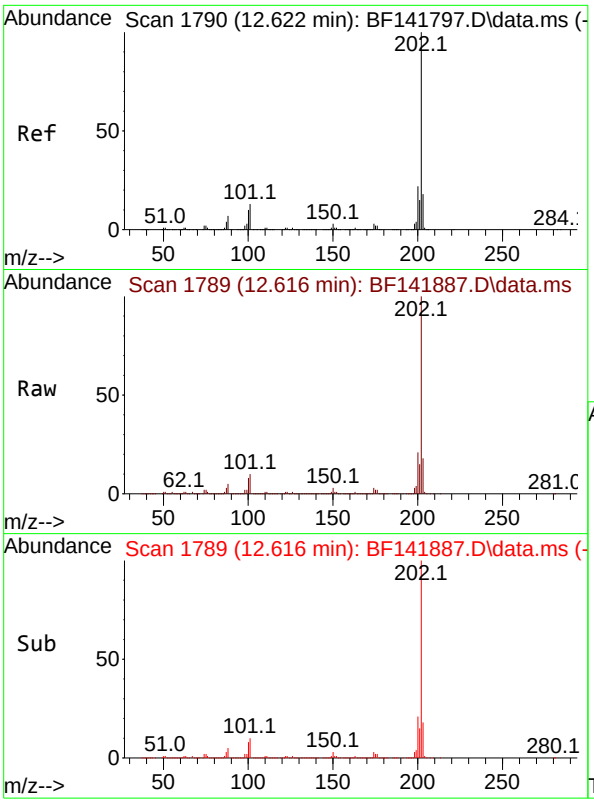


#74
Di-n-butylphthalate
Concen: 45.485 ng
RT: 11.963 min Scan# 1678
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:149 Resp: 1517925

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.7	11.5
104	5.5	4.4	6.6

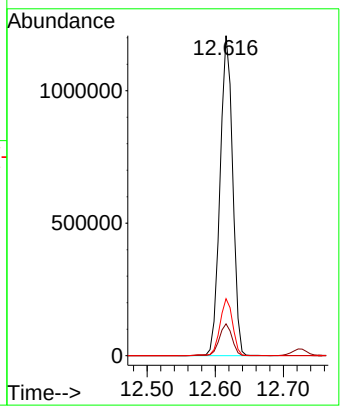




#75
Fluoranthene
Concen: 51.127 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:202 Resp: 155839

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	32.8
203	17.8	0.0	38.0



Instrument :
BNA_F
ClientSampleId :
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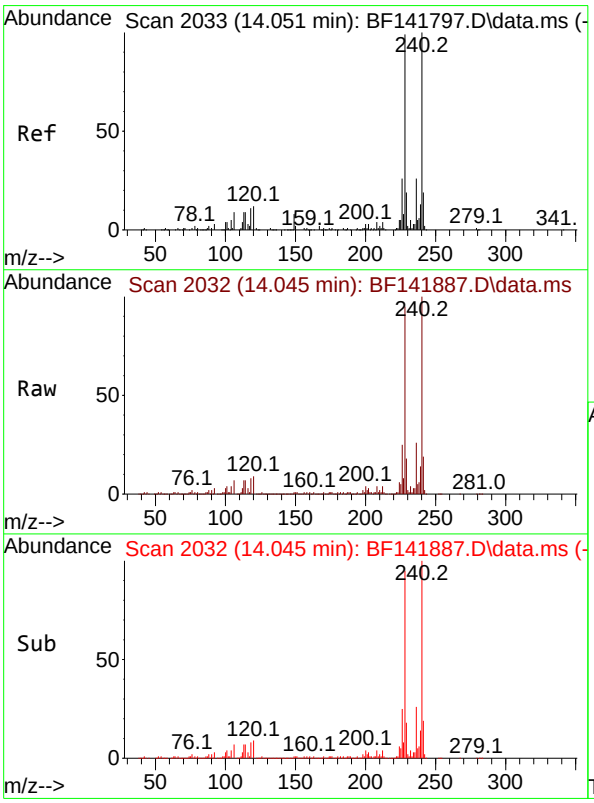
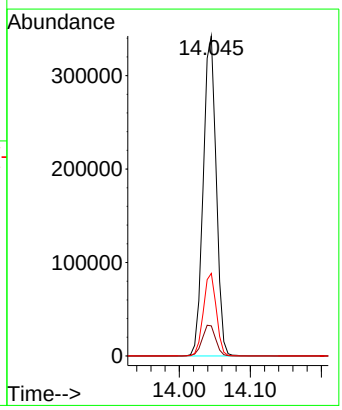
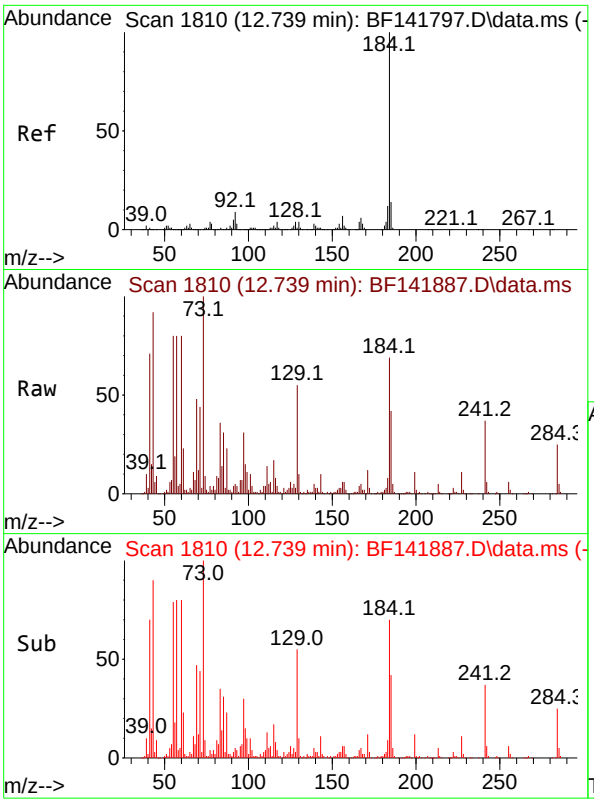


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:240 Resp: 435055

Ion	Ratio	Lower	Upper
240	100		
120	9.4	9.7	14.5#
236	25.8	21.0	31.4

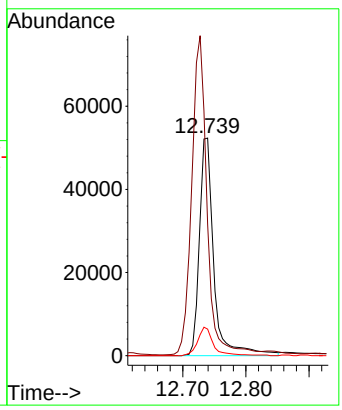




#77
Benzidine
Concen: 15.180 ng
RT: 12.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:184 Resp: 8312

Ion	Ratio	Lower	Upper
184	100		
185	60.4	11.6	17.4
183	12.2	9.4	14.0



Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS

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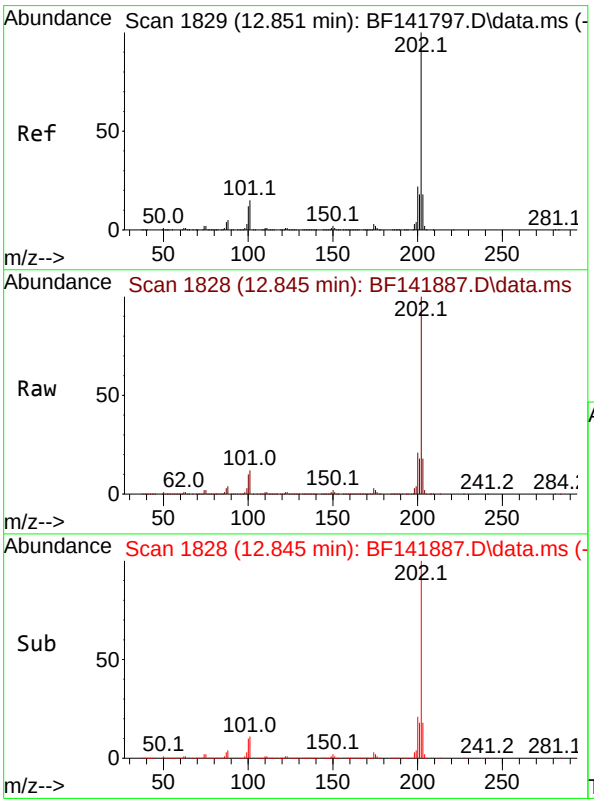
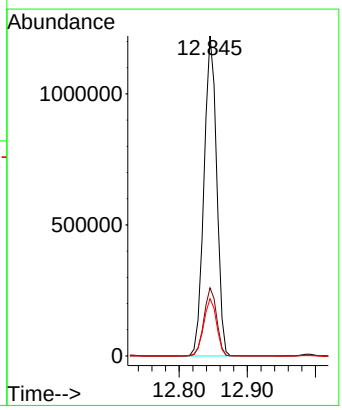
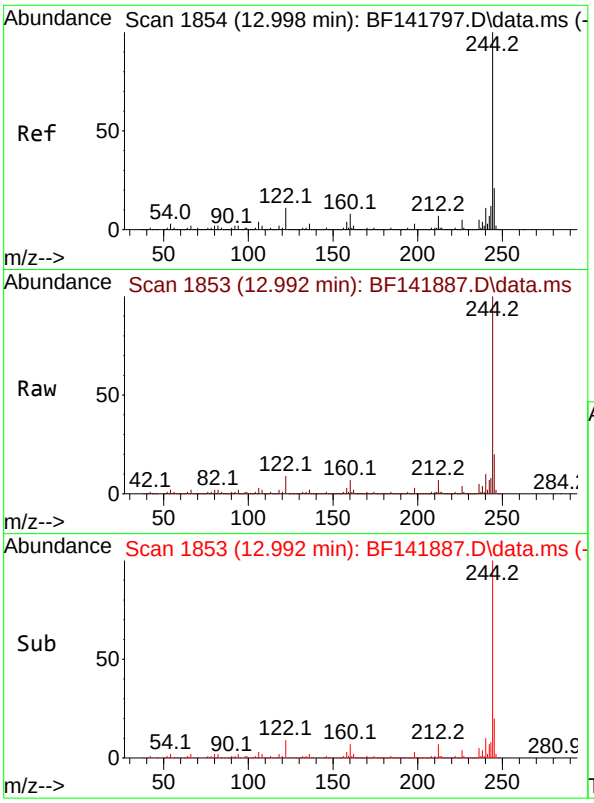


#78
Pyrene
Concen: 41.950 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:202 Resp: 1580372

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.0
203	17.9	14.6	22.0

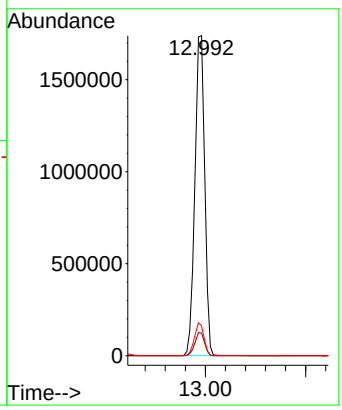




#79
Terphenyl-d14
Concen: 87.763 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:244 Resp: 235994

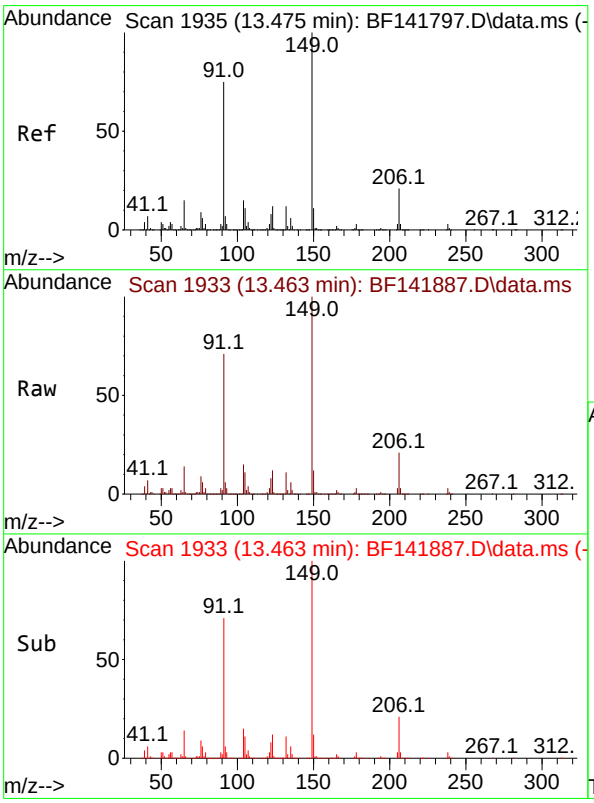
Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	9.3	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS

Manual Integrations
APPROVED

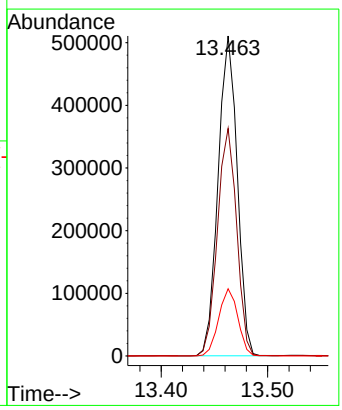
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

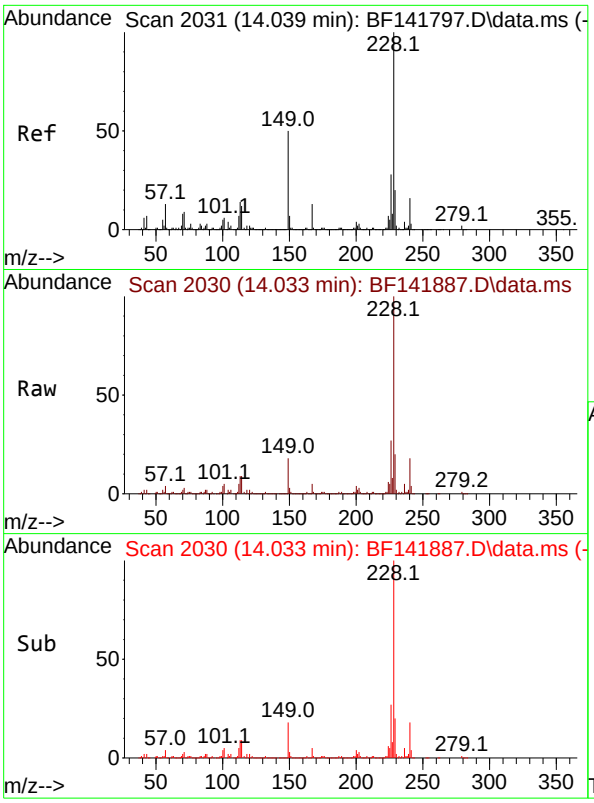


#80
Butylbenzylphthalate
Concen: 46.538 ng
RT: 13.463 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:149 Resp: 636995

Ion	Ratio	Lower	Upper
149	100		
91	71.1	60.1	90.1
206	21.0	16.8	25.2

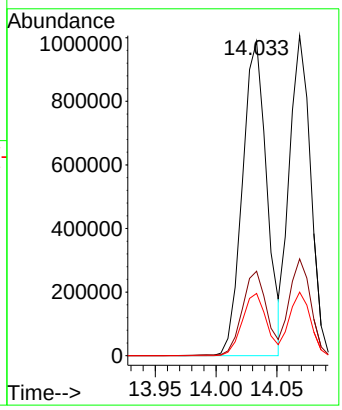




#81
Benzo(a)anthracene
Concen: 48.134 ng
RT: 14.033 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:228 Resp: 138319

Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.1	33.1
229	19.8	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS

Manual Integrations
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Reviewed By :Anahy Claudio 03/10/2025
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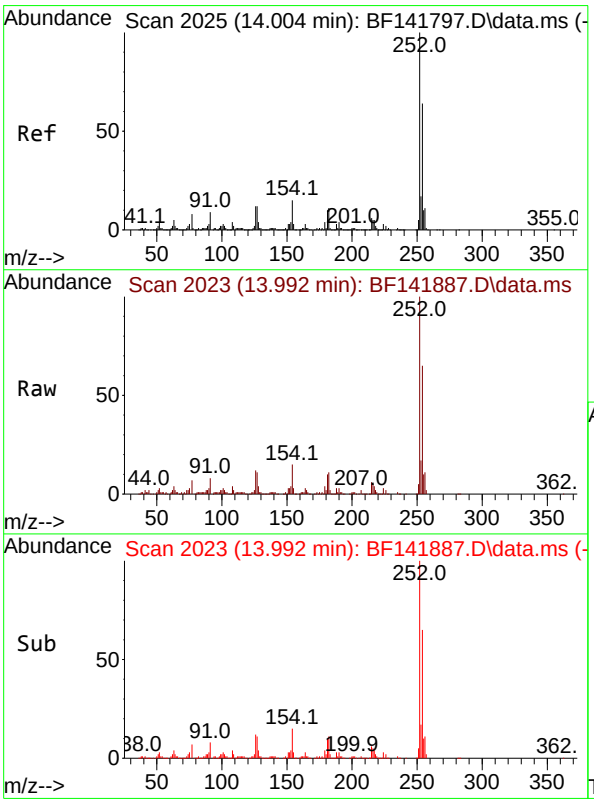
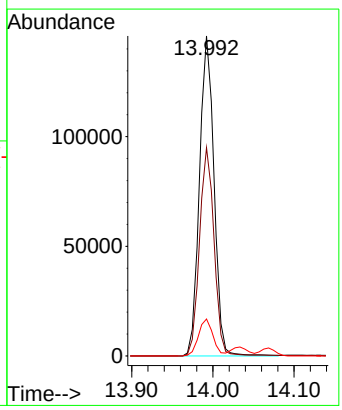
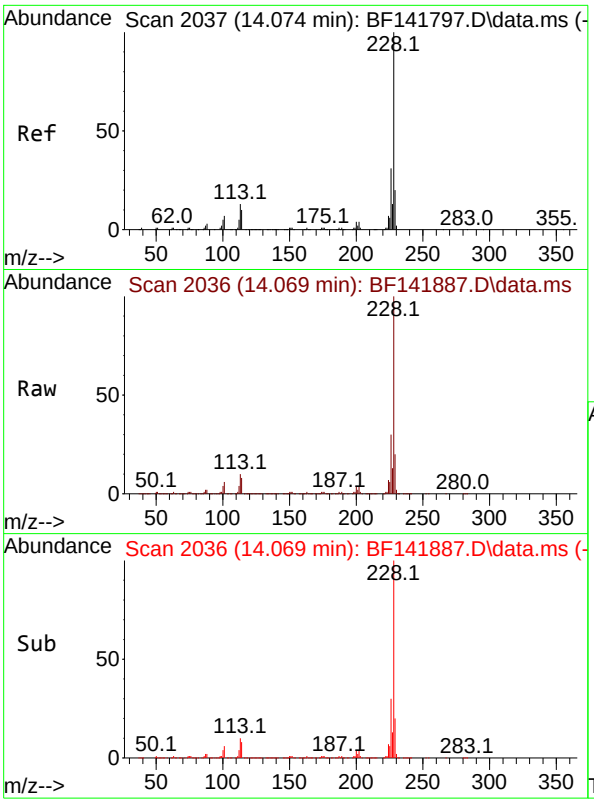


#82
3,3'-Dichlorobenzidine
Concen: 22.071 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:252 Resp: 181968

Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.4	77.0
126	11.6	9.8	14.6

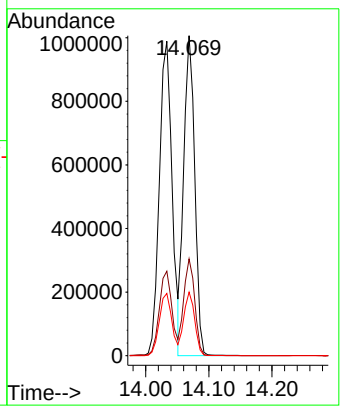




#83
Chrysene
Concen: 46.155 ng
RT: 14.069 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:228 Resp: 122261

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.6	37.0
229	19.8	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS

Manual Integrations
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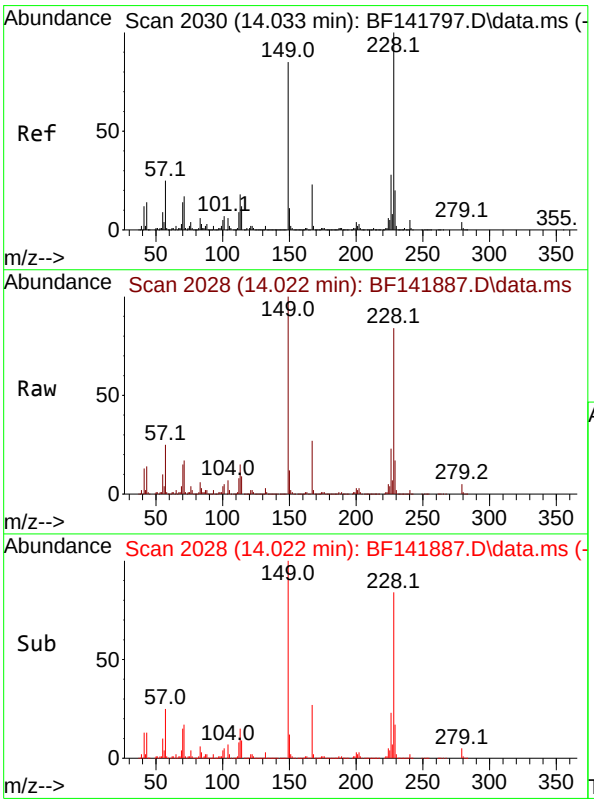
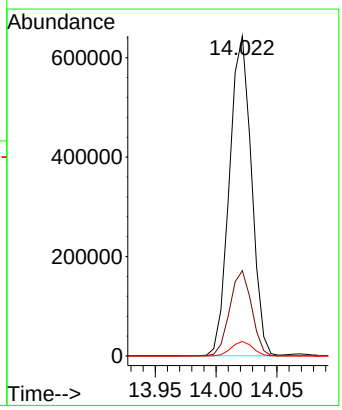
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

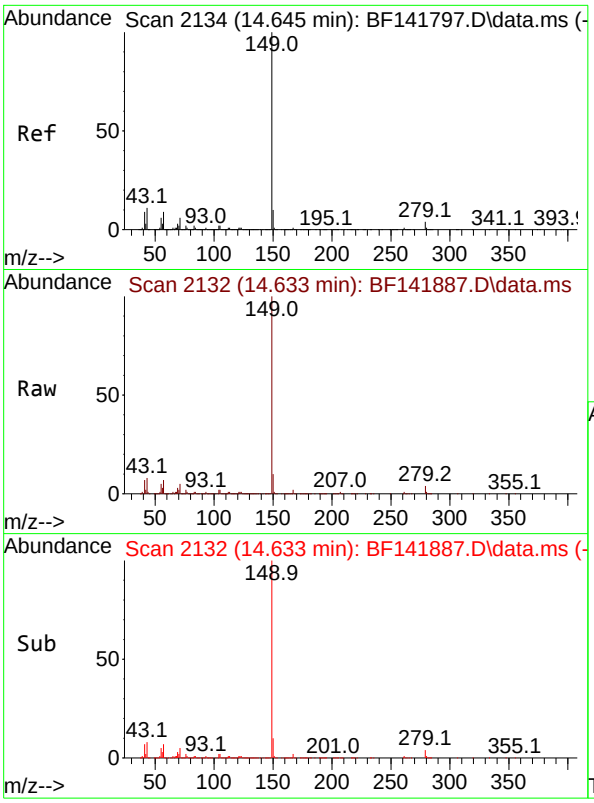


#84
Bis(2-ethylhexyl)phthalate
Concen: 47.509 ng
RT: 14.022 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:149 Resp: 809701

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.2	31.8
279	4.6	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 45.877 ng
RT: 14.633 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:149 Resp: 117056

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	8.4	8.6	12.8#

Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS

Manual Integrations
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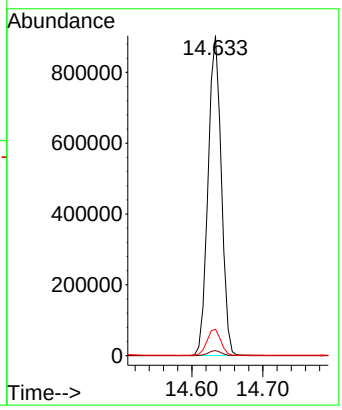
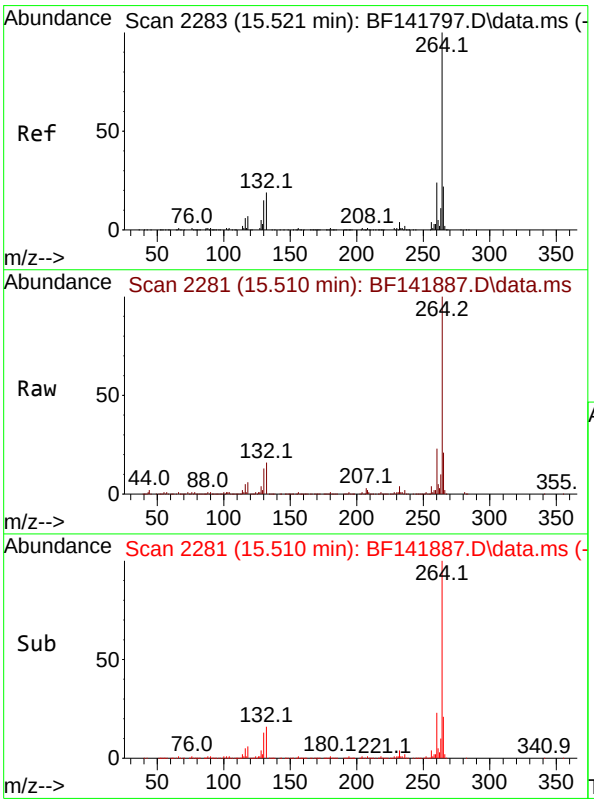
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

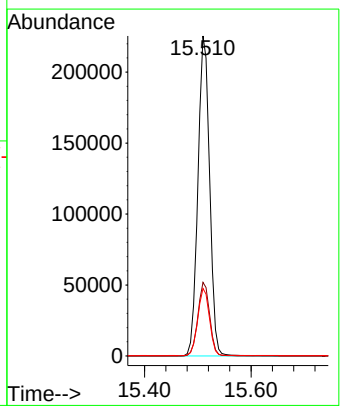


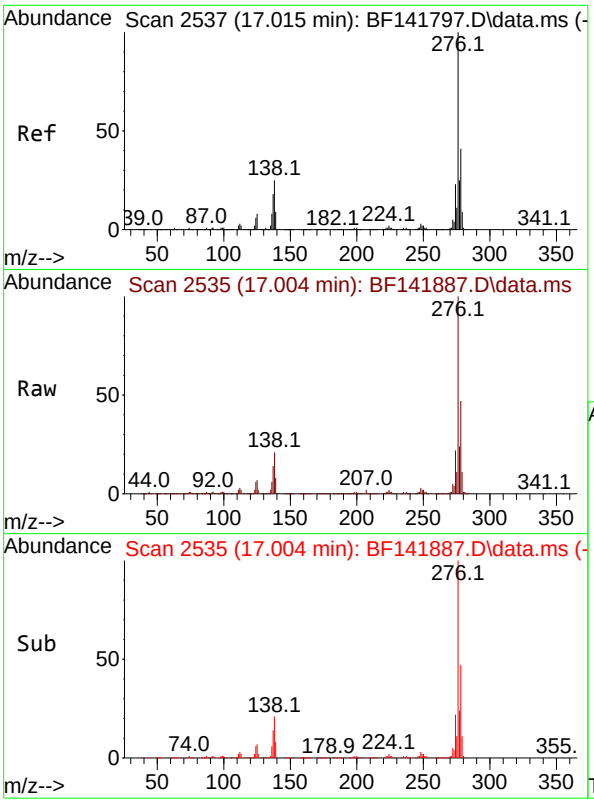


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:264 Resp: 343670

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.9	28.3
265	21.1	17.4	26.0

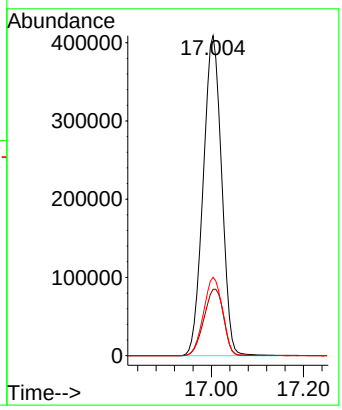




#87
Indeno(1,2,3-cd)pyrene
Concen: 51.964 ng
RT: 17.004 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:276 Resp: 113716

Ion	Ratio	Lower	Upper
276	100		
138	22.3	22.5	33.7#
277	25.1	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS

Manual Integrations
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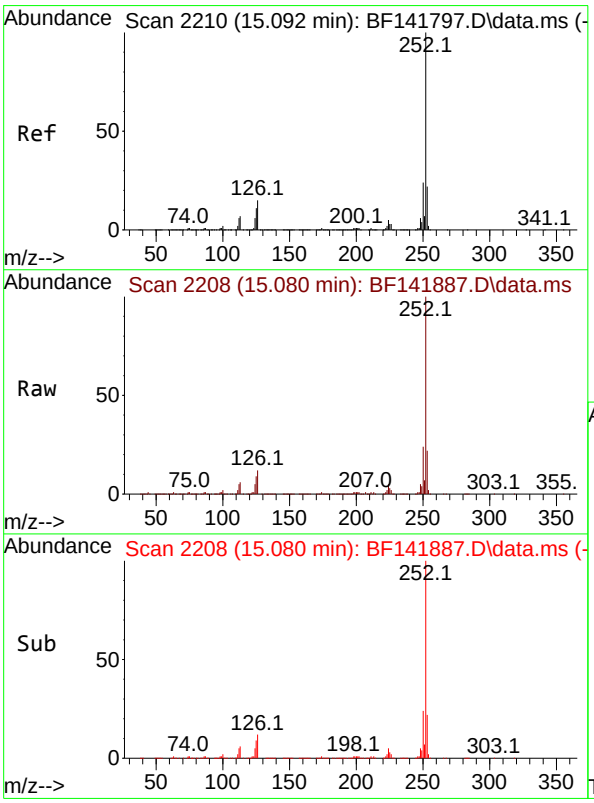
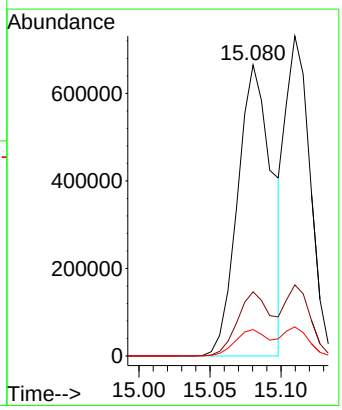
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

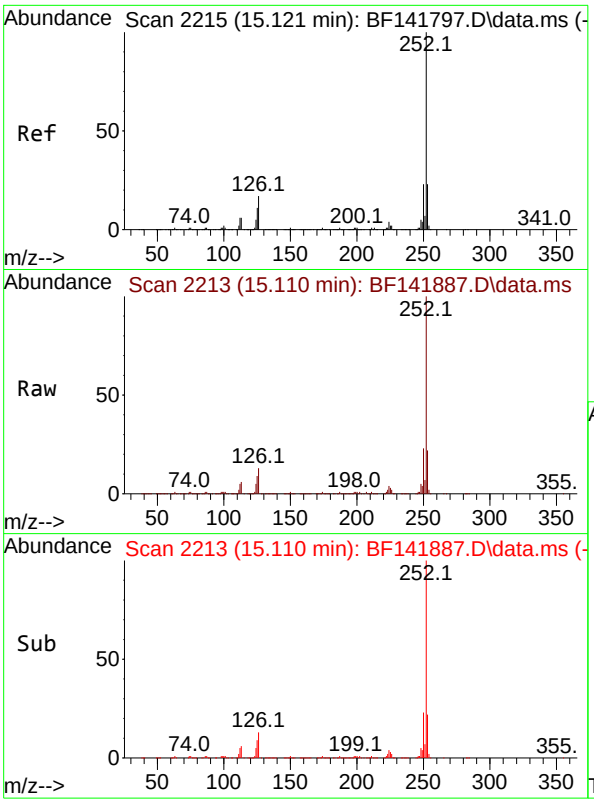


#88
Benzo(b)fluoranthene
Concen: 47.920 ng
RT: 15.080 min Scan# 2208
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:252 Resp: 1121801

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	9.1	8.6	13.0

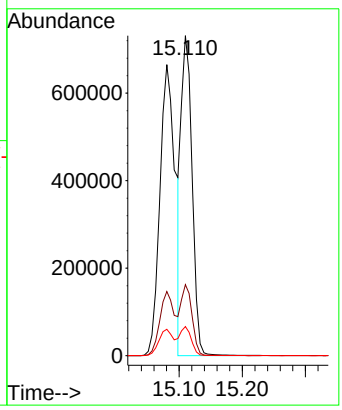




#89
Benzo(k)fluoranthene
Concen: 44.373 ng
RT: 15.110 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:252 Resp: 88290

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	9.1	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS

Manual Integrations
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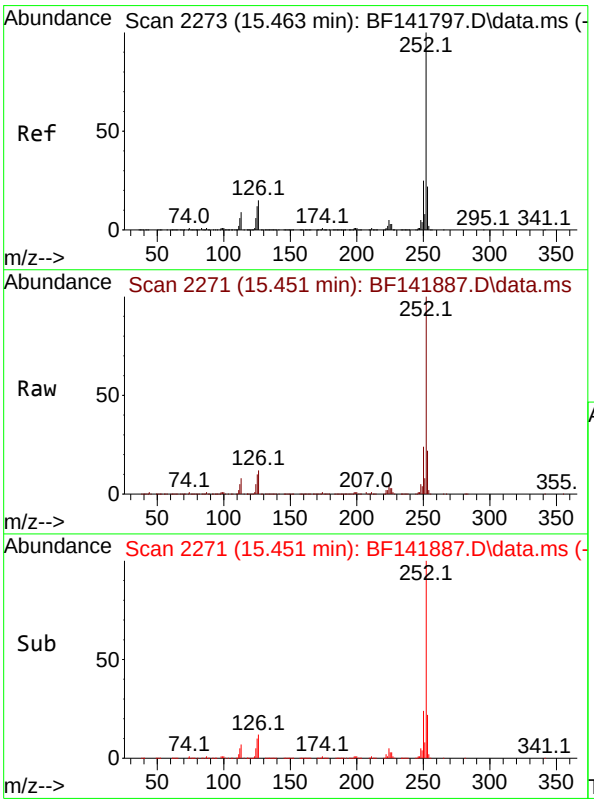
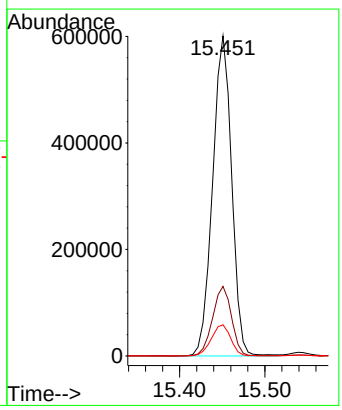
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

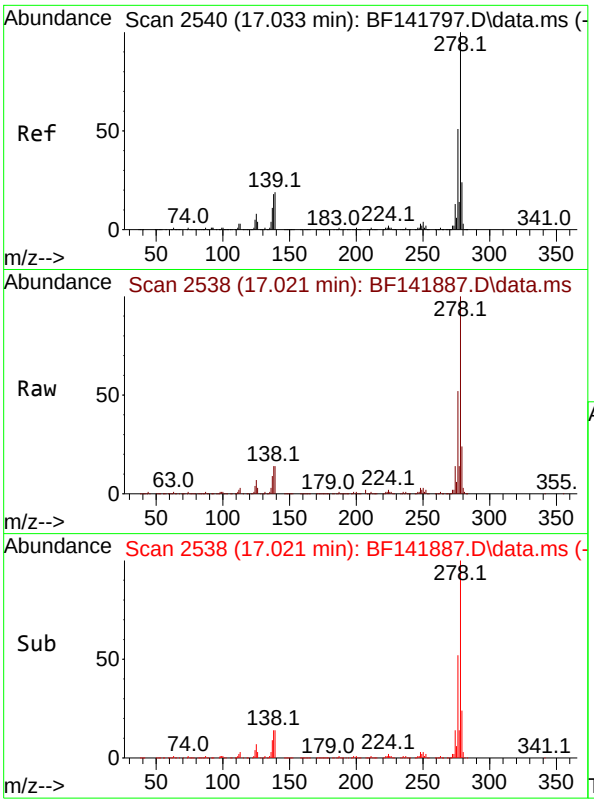


#90
Benzo(a)pyrene
Concen: 49.716 ng
RT: 15.451 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:252 Resp: 933380

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	9.8	9.4	14.2

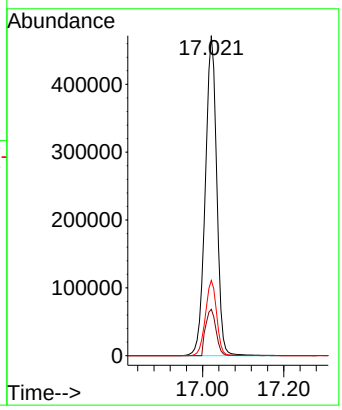




#91
Dibenzo(a,h)anthracene
Concen: 51.498 ng
RT: 17.021 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:278 Resp: 91990

Ion	Ratio	Lower	Upper
278	100		
139	14.5	14.9	22.3#
279	23.5	19.3	28.9



Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS

Manual Integrations
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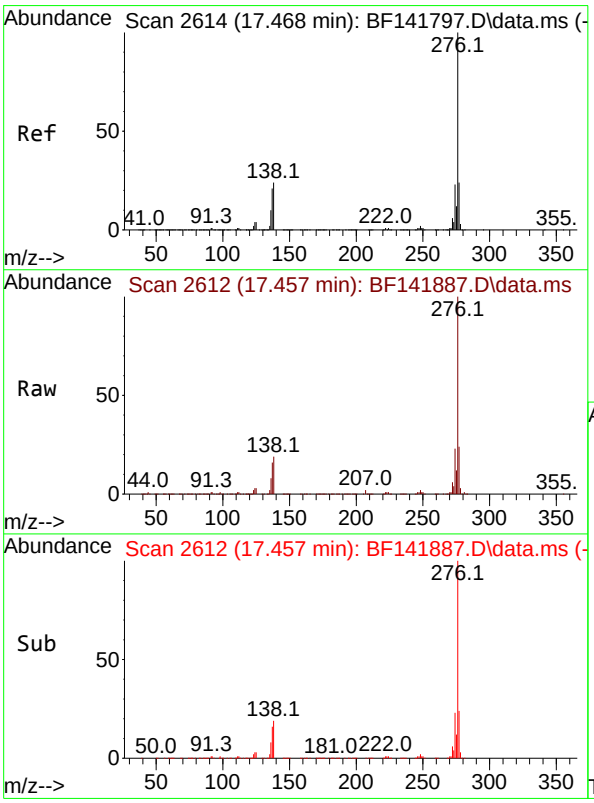
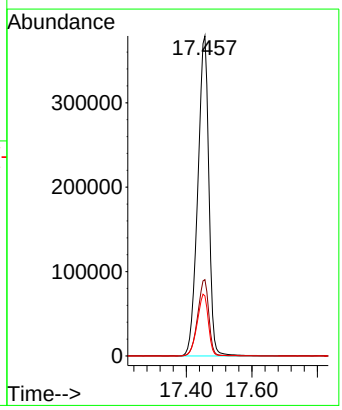
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#92
Benzo(g,h,i)perylene
Concen: 48.758 ng
RT: 17.457 min Scan# 2612
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:276 Resp: 892265

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.4	29.0
138	18.7	19.3	28.9#



Raw Data: **BF141888.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-SO-COMP-022825MSD	SDG No.:	Q1478
Lab Sample ID:	Q1478-13MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF141888.D	1	03/05/25 13:00	03/07/25 11:59	PB167016

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	230		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	340		8.40	50.0	ug/L
95-48-7	2-Methylphenol	430		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	450		11.5	100	ug/L
67-72-1	Hexachloroethane	330		10.1	50.0	ug/L
98-95-3	Nitrobenzene	450		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	390		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	510		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	540		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	600		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	480		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	1000	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	130		15 (10) - 110 (139)	87%	SPK: 150
13127-88-3	Phenol-d6	127		15 (10) - 110 (134)	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	114		30 (49) - 130 (133)	114%	SPK: 100
321-60-8	2-Fluorobiphenyl	104		30 (52) - 130 (132)	104%	SPK: 100
118-79-6	2,4,6-Tribromophenol	205	*	15 (44) - 110 (137)	136%	SPK: 150
1718-51-0	Terphenyl-d14	89.6		30 (48) - 130 (125)	90%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	146000	6.886			
1146-65-2	Naphthalene-d8	573000	8.163			
15067-26-2	Acenaphthene-d10	304000	9.916			
1517-22-2	Phenanthrene-d10	569000	11.404			
1719-03-5	Chrysene-d12	413000	14.039			
1520-96-3	Perylene-d12	370000	15.509			

Raw Data: **BF141888.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-SO-COMP-022825MSD	SDG No.:	Q1478
Lab Sample ID:	Q1478-13MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF141888.D	1	03/05/25 13:00	03/07/25 11:59	PB167016

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: **BF141888.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141888.D
Acq On : 07 Mar 2025 11:59
Operator : RC/JU
Sample : Q1478-13MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 07 12:17:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MSD

Manual Integrations APPROVED

Reviewed By :Anahy Claudio
03/10/2025
Supervised By :Jagrut Upadhyay
03/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	145924	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	573463	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	303593	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	568957	20.000	ng	0.00
76) Chrysene-d12	14.039	240	412687	20.000	ng	-0.01
86) Perylene-d12	15.509	264	369642	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1188951	130.118	ng	0.02
7) Phenol-d6	6.510	99	1514108	127.309	ng	0.00
23) Nitrobenzene-d5	7.445	82	1018675	113.545	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	583302	204.654	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1965727	103.821	ng	0.00
79) Terphenyl-d14	12.986	244	2284451	89.561	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.822	88	145332	35.053	ng	# 80
3) Pyridine	3.546	79	239986	23.264	ng	95
4) n-Nitrosodimethylamine	3.475	42	171369	34.525	ng	# 98
6) Aniline	6.551	93	153452	12.411	ng	100
8) 2-Chlorophenol	6.669	128	417987	42.287	ng	95
9) Benzaldehyde	6.439	77	91235	13.188	ng	98
10) Phenol	6.522	94	490881	38.625	ng	95
11) bis(2-Chloroethyl)ether	6.622	93	363281	37.500	ng	95
12) 1,3-Dichlorobenzene	6.828	146	355371	33.571	ng	99
13) 1,4-Dichlorobenzene	6.904	146	362700	34.005	ng	99
14) 1,2-Dichlorobenzene	7.051	146	356447	35.789	ng	99
15) Benzyl Alcohol	7.022	79	379624	39.939	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.157	45	435876	29.627	ng	94
17) 2-Methylphenol	7.128	107	348794	42.750	ng	98
18) Hexachloroethane	7.398	117	131194	32.863	ng	95
19) n-Nitroso-di-n-propyla...	7.292	70	292851	37.458	ng	97
20) 3+4-Methylphenols	7.281	107	454538	44.740	ng	92
22) Acetophenone	7.292	105	633919	45.388	ng	97
24) Nitrobenzene	7.463	77	430420	44.802	ng	98
25) Isophorone	7.704	82	810074	42.029	ng	98
26) 2-Nitrophenol	7.781	139	219989	50.950	ng	97
27) 2,4-Dimethylphenol	7.810	122	376107	53.085	ng	97
28) bis(2-Chloroethoxy)met...	7.910	93	477100	38.804	ng	98
29) 2,4-Dichlorophenol	8.016	162	371450	45.445	ng	98
30) 1,2,4-Trichlorobenzene	8.104	180	352226	39.327	ng	98
31) Naphthalene	8.186	128	1167646	39.617	ng	99
32) Benzoic acid	7.910	122	281362	47.647	ng	97
33) 4-Chloroaniline	8.233	127	44524	4.120	ng	98
34) Hexachlorobutadiene	8.304	225	217994	39.168	ng	99
35) Caprolactam	8.592	113	113794m	45.256	ng	
36) 4-Chloro-3-methylphenol	8.710	107	419747	46.229	ng	98
37) 2-Methylnaphthalene	8.875	142	779155	40.304	ng	100
38) 1-Methylnaphthalene	8.975	142	771642	41.599	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	434072	49.506	ng	99
41) Hexachlorocyclopentadiene	9.028	237	523947	143.187	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	289710	51.151	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141888.D
Acq On : 07 Mar 2025 11:59
Operator : RC/JU
Sample : Q1478-13MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 07 12:17:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MSD

Manual Integrations APPROVED

Reviewed By :Anahy Claudio
03/10/2025
Supervised By :Jagrut Upadhyay
03/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	304140	54.229	ng		98
46) 1,1'-Biphenyl	9.339	154	1166006	50.458	ng		98
47) 2-Chloronaphthalene	9.363	162	793175	46.505	ng		100
48) 2-Nitroaniline	9.457	65	253809	53.790	ng		96
49) Acenaphthylene	9.780	152	1260858	49.307	ng		100
50) Dimethylphthalate	9.639	163	1002628	49.315	ng		100
51) 2,6-Dinitrotoluene	9.698	165	218602	55.722	ng		95
52) Acenaphthene	9.951	154	918161	53.212	ng		99
53) 3-Nitroaniline	9.863	138	47916	13.818	ng	#	95
54) 2,4-Dinitrophenol	9.975	184	246319	118.427	ng	#	1
55) Dibenzofuran	10.127	168	1111678	44.265	ng		99
56) 4-Nitrophenol	10.022	139	346309	115.329	ng		96
57) 2,4-Dinitrotoluene	10.104	165	289053	59.902	ng		93
58) Fluorene	10.469	166	923723	49.103	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	259346	53.169	ng		99
60) Diethylphthalate	10.339	149	978673	48.017	ng		99
61) 4-Chlorophenyl-phenyle...	10.457	204	463931	49.222	ng		99
62) 4-Nitroaniline	10.480	138	200872	57.854	ng		96
63) Azobenzene	10.622	77	909432	42.378	ng		97
65) 4,6-Dinitro-2-methylph...	10.510	198	166889	59.870	ng		89
66) n-Nitrosodiphenylamine	10.574	169	791239	42.352	ng		100
67) 4-Bromophenyl-phenylether	10.951	248	296123	44.559	ng		97
68) Hexachlorobenzene	11.016	284	338633	48.255	ng		96
69) Atrazine	11.104	200	298445	58.090	ng		99
70) Pentachlorophenol	11.204	266	445248	100.037	ng		99
71) Phenanthrene	11.427	178	1414386	46.475	ng		99
72) Anthracene	11.480	178	1441729	47.268	ng		100
73) Carbazole	11.633	167	1257282	46.679	ng		100
74) Di-n-butylphthalate	11.963	149	1488257	43.590	ng		99
75) Fluoranthene	12.616	202	1454377	46.638	ng		97
77) Benzidine	12.739	184	80335	15.466	ng	#	79
78) Pyrene	12.845	202	1530210	42.820	ng		99
80) Butylbenzylphthalate	13.463	149	605284	46.619	ng		96
81) Benzo(a)anthracene	14.027	228	1277832	46.878	ng		99
82) 3,3'-Dichlorobenzidine	13.992	252	162331	20.757	ng		99
83) Chrysene	14.068	228	1120992	44.612	ng		99
84) Bis(2-ethylhexyl)phtha...	14.021	149	752209	46.528	ng		99
85) Di-n-octyl phthalate	14.633	149	1043087	43.097	ng		96
87) Indeno(1,2,3-cd)pyrene	17.003	276	1232228	52.351	ng		95
88) Benzo(b)fluoranthene	15.080	252	951233	37.779	ng		99
89) Benzo(k)fluoranthene	15.109	252	980242	45.803	ng		98
90) Benzo(a)pyrene	15.451	252	960500	47.566	ng		98
91) Dibenzo(a,h)anthracene	17.021	278	993711	51.721	ng	#	96
92) Benzo(g,h,i)perylene	17.451	276	967540	49.156	ng		96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141888.D
Acq On : 07 Mar 2025 11:59
Operator : RC/JU
Sample : Q1478-13MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

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Instrument :
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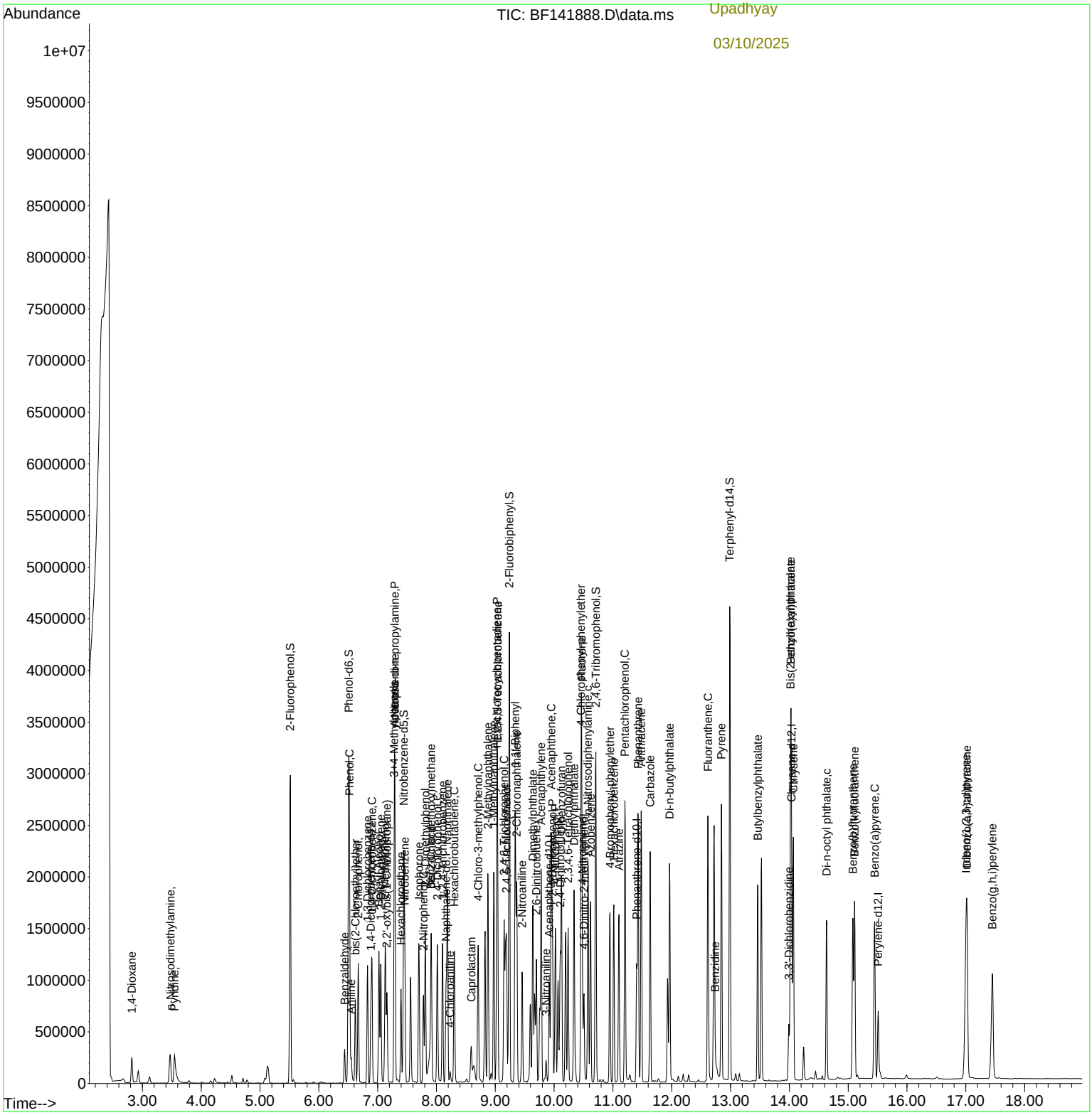
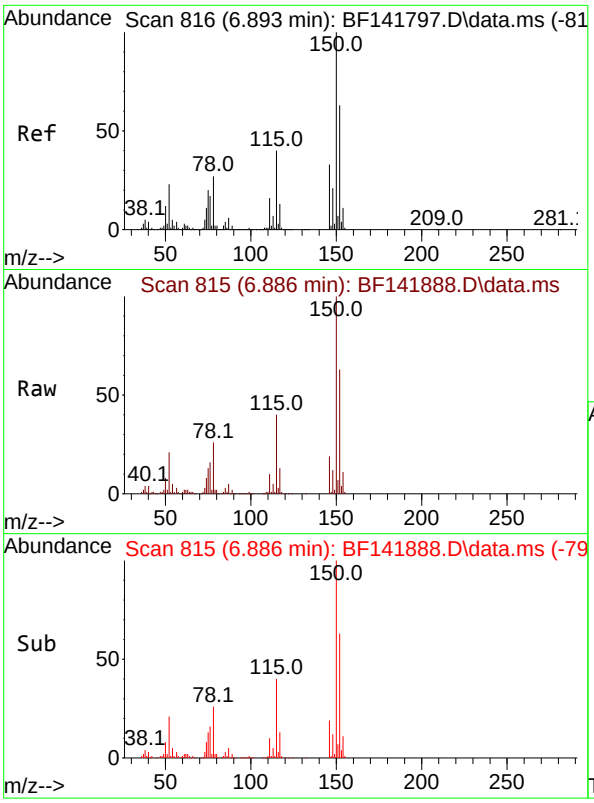
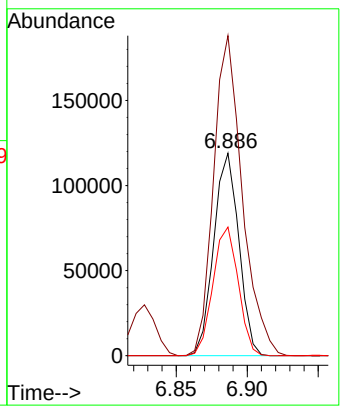




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 8
Delta R.T. -0.007 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:152 Resp: 14592

Ion	Ratio	Lower	Upper
152	100		
150	158.1	127.5	191.3
115	63.6	51.4	77.2



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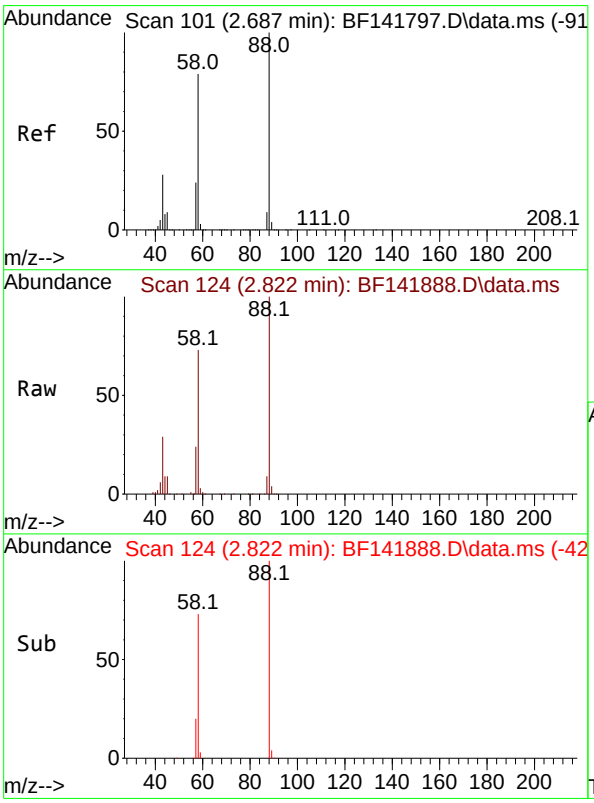
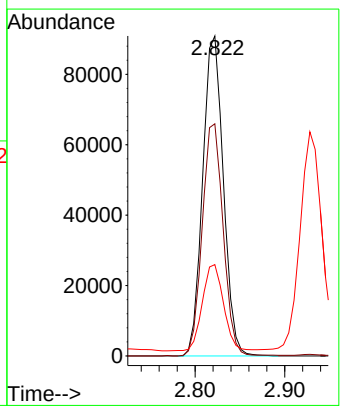
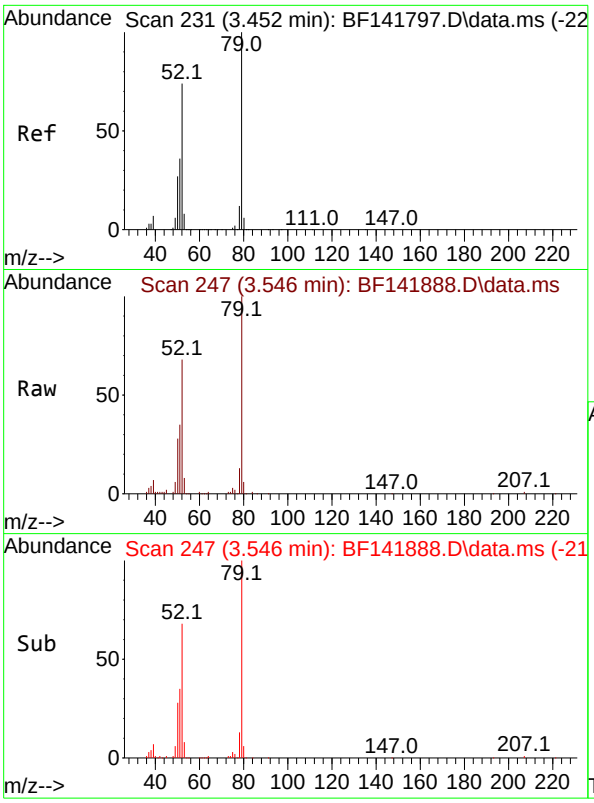


#2
1,4-Dioxane
Concen: 35.053 ng
RT: 2.822 min Scan# 124
Delta R.T. 0.135 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion: 88 Resp: 145332

Ion	Ratio	Lower	Upper
88	100		
58	73.7	63.9	95.9
43	0.0	23.0	34.6#

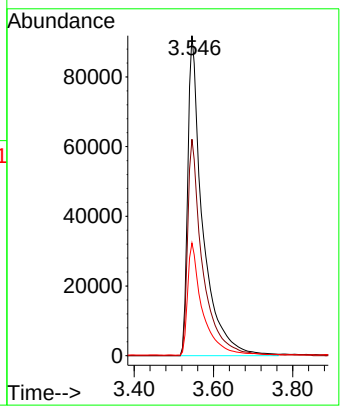




#3
Pyridine
Concen: 23.264 ng
RT: 3.546 min Scan# 24
Delta R.T. 0.089 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion: 79 Resp: 23998

Ion	Ratio	Lower	Upper
79	100		
52	67.6	59.0	88.4
51	35.2	29.0	43.4



Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MSD

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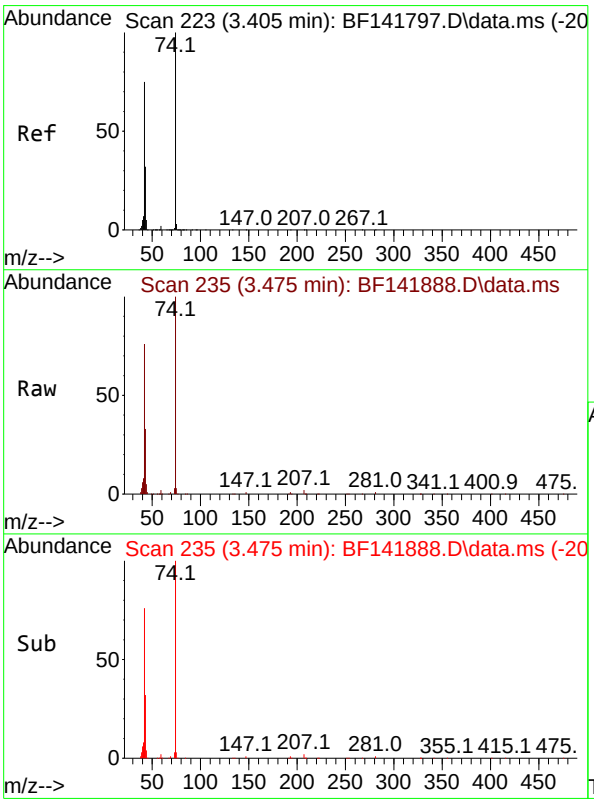
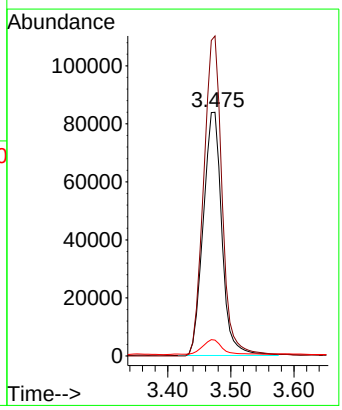
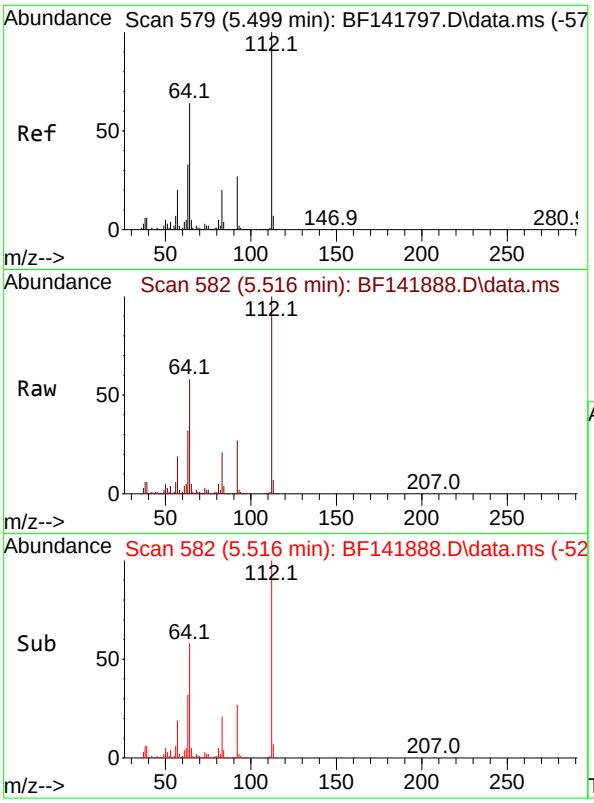


#4
n-Nitrosodimethylamine
Concen: 34.525 ng
RT: 3.475 min Scan# 235
Delta R.T. 0.070 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion: 42 Resp: 171369

Ion	Ratio	Lower	Upper
42	100		
74	131.4	107.1	160.7
44	6.5	6.6	9.8#

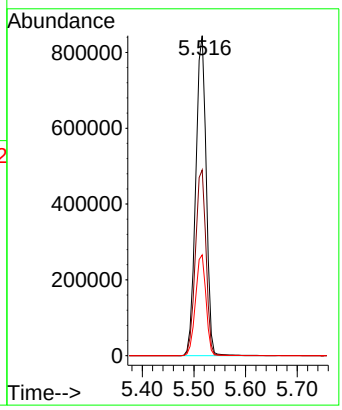




#5
2-Fluorophenol
Concen: 130.118 ng
RT: 5.516 min Scan# 5
Delta R.T. 0.017 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:112 Resp: 118895

Ion	Ratio	Lower	Upper
112	100		
64	58.0	51.3	76.9
63	31.5	26.2	39.4



Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MSD

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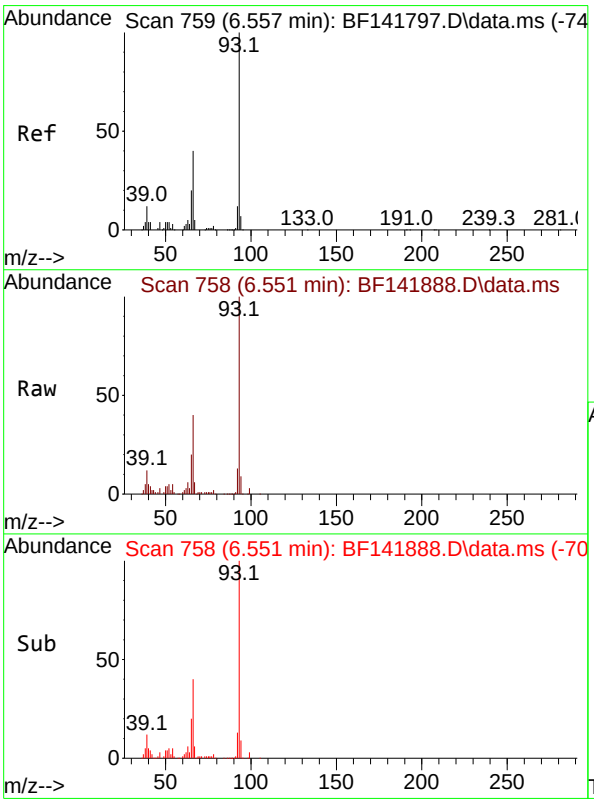
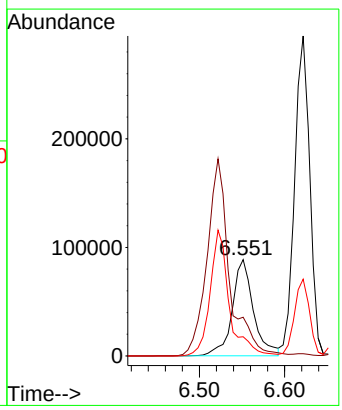
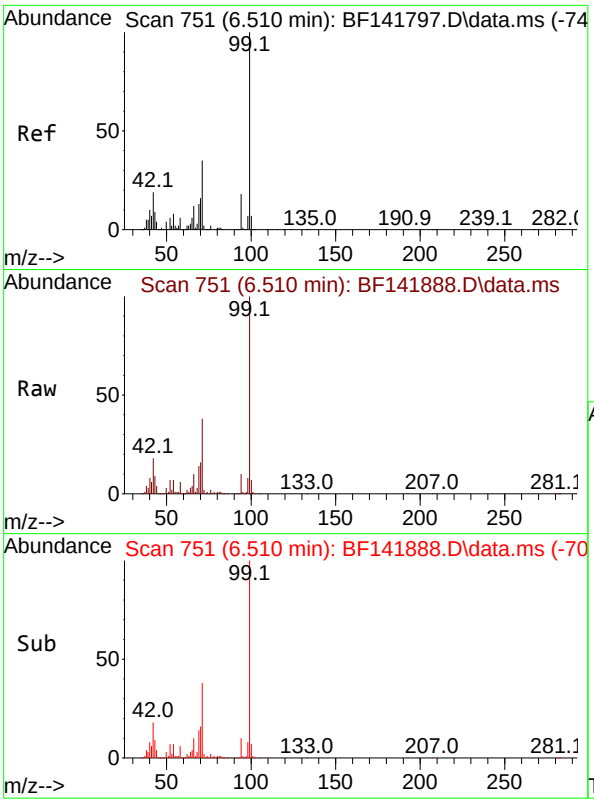


#6
Aniline
Concen: 12.411 ng
RT: 6.551 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion: 93 Resp: 153452

Ion	Ratio	Lower	Upper
93	100		
66	40.3	32.3	48.5
65	20.0	15.9	23.9

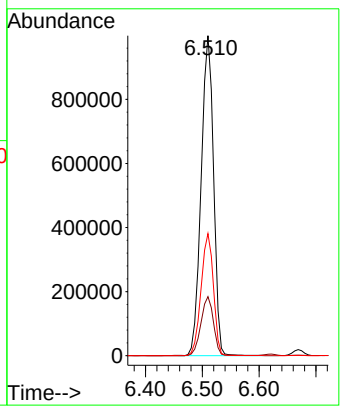




#7
Phenol-d6
Concen: 127.309 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion: 99 Resp: 151410

Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.2	22.8
71	38.2	28.2	42.2



Instrument :
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ClientSampleId :
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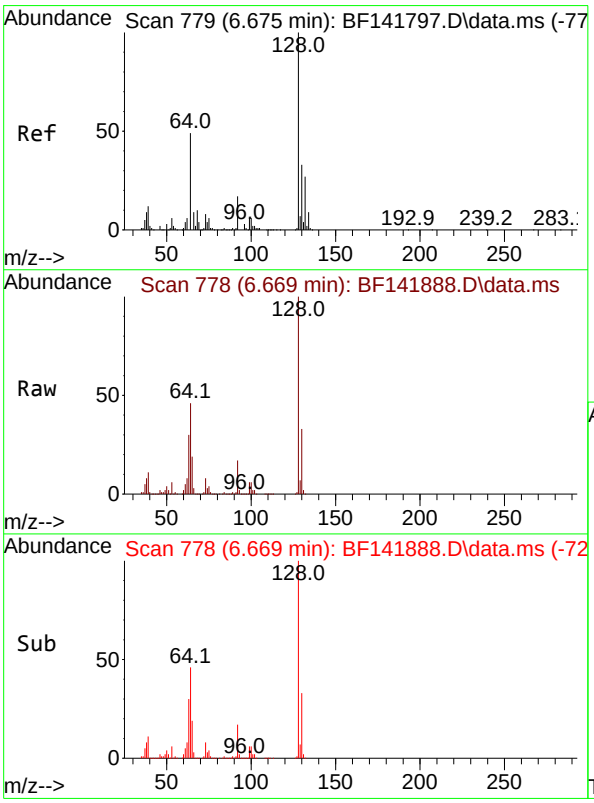
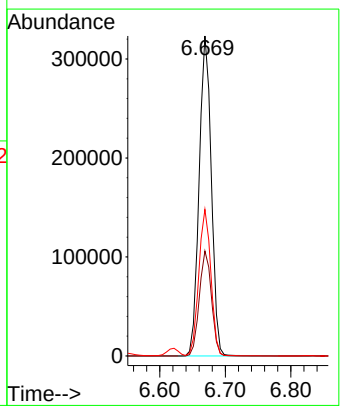
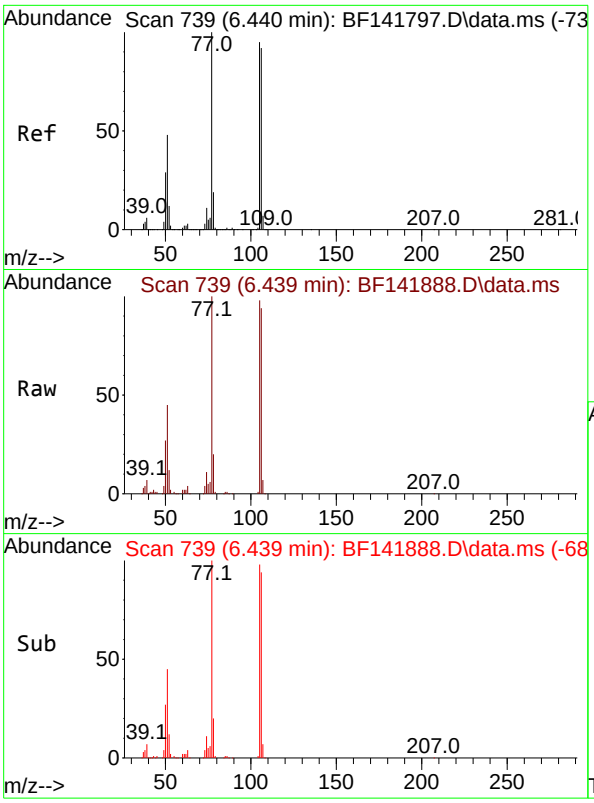


#8
2-Chlorophenol
Concen: 42.287 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:128 Resp: 417987

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.6	52.6
64	45.8	31.1	71.1

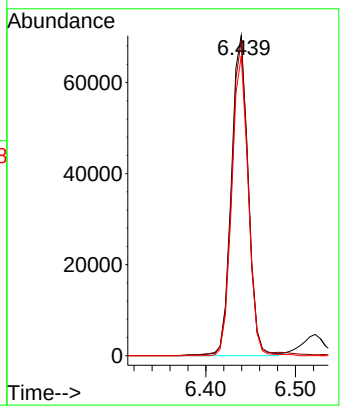




#9
Benzaldehyde
Concen: 13.188 ng
RT: 6.439 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion: 77 Resp: 9123

Ion	Ratio	Lower	Upper
77	100		
105	98.5	75.3	115.3
106	93.6	72.3	112.3



Instrument :
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ClientSampleId :
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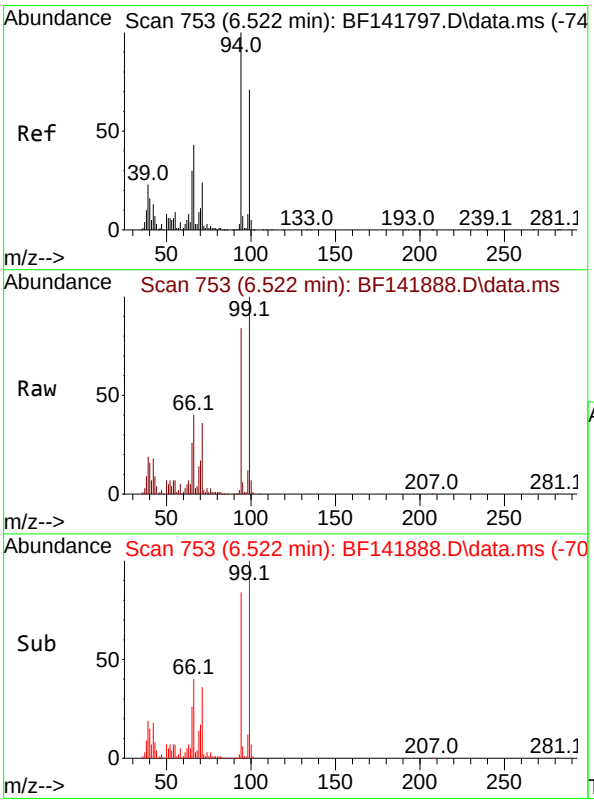
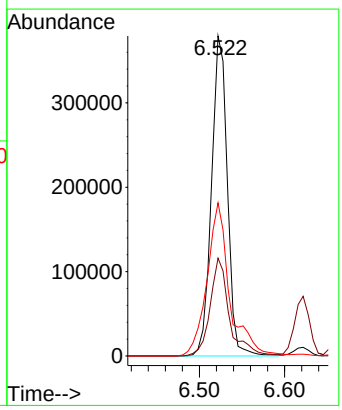
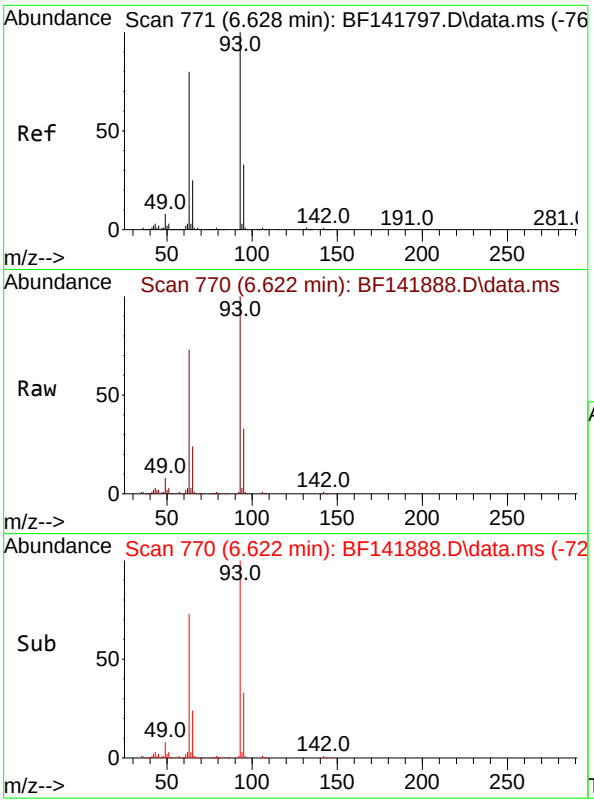


#10
Phenol
Concen: 38.625 ng
RT: 6.522 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion: 94 Resp: 490881

Ion	Ratio	Lower	Upper
94	100		
65	30.5	10.2	50.2
66	47.9	23.2	63.2

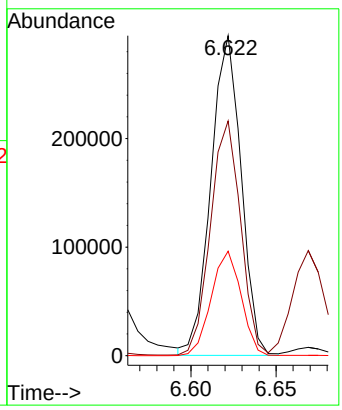




#11
bis(2-Chloroethyl)ether
Concen: 37.500 ng
RT: 6.622 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion: 93 Resp: 36328

Ion	Ratio	Lower	Upper
93	100		
63	73.3	59.3	99.3
95	32.6	13.2	53.2



Instrument :
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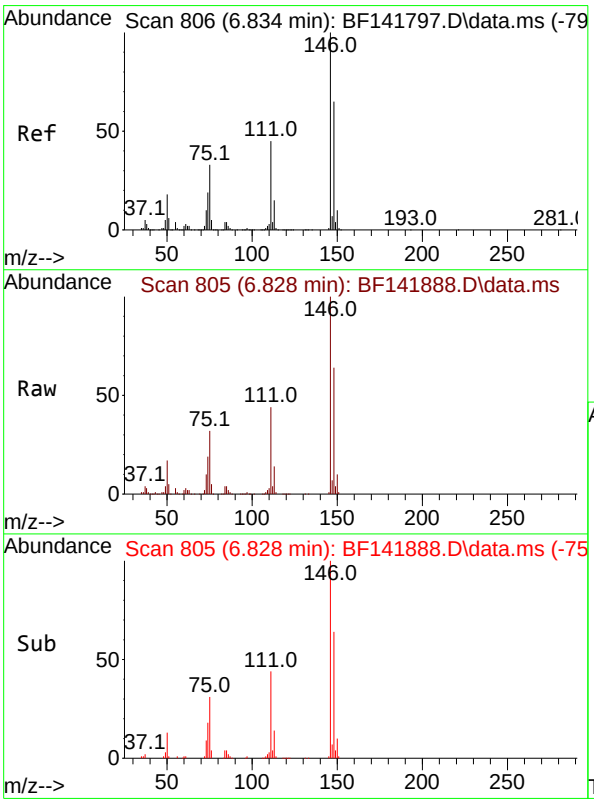
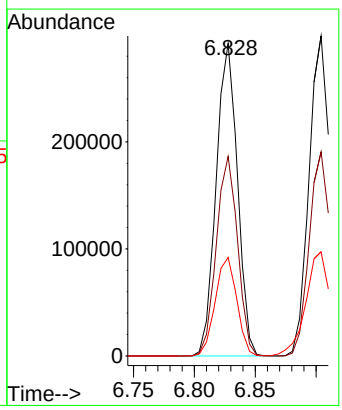
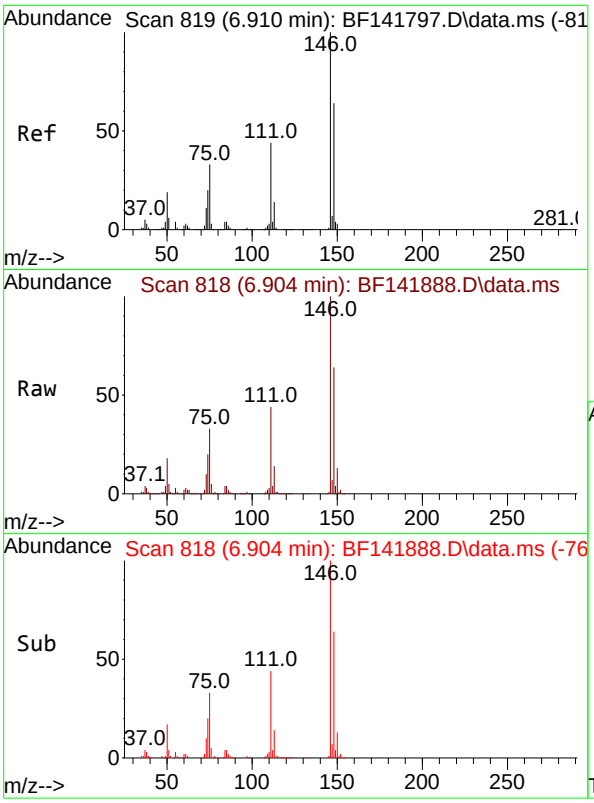


#12
1,3-Dichlorobenzene
Concen: 33.571 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:146 Resp: 355371

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.8	77.6
75	31.5	26.2	39.4

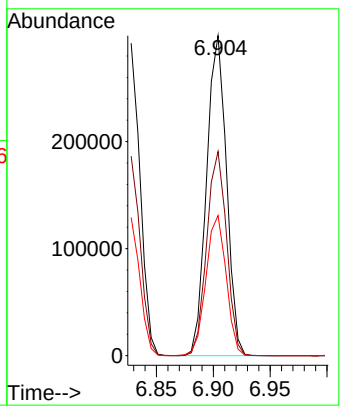




#13
1,4-Dichlorobenzene
Concen: 34.005 ng
RT: 6.904 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:146 Resp: 36270

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.4	77.2
111	43.8	35.5	53.3



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ClientSampleId :
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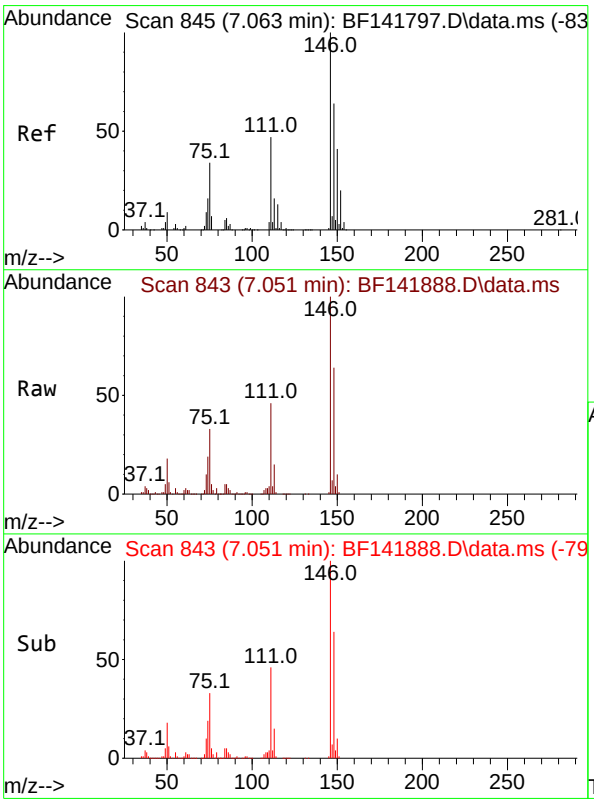
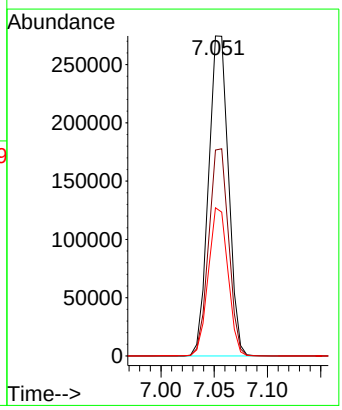
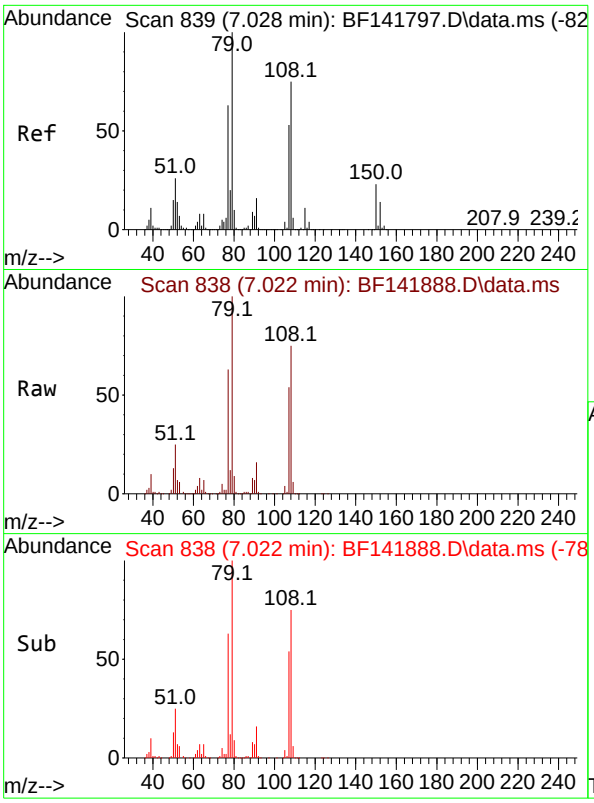


#14
1,2-Dichlorobenzene
Concen: 35.789 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:146 Resp: 356447

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.2	76.8
111	46.3	37.8	56.6

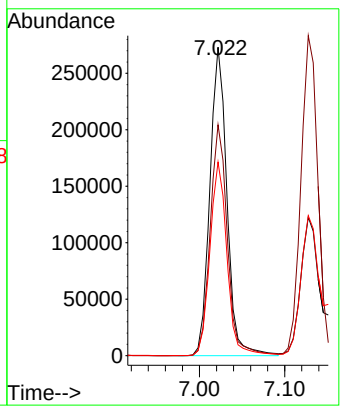




#15
Benzyl Alcohol
Concen: 39.939 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion: 79 Resp: 37962

Ion	Ratio	Lower	Upper
79	100		
108	74.9	60.2	90.2
77	62.8	50.2	75.2



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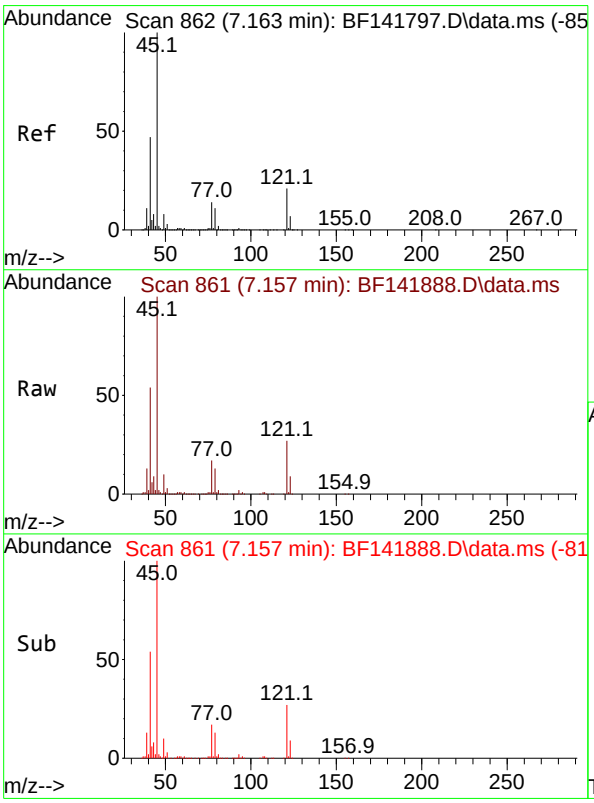
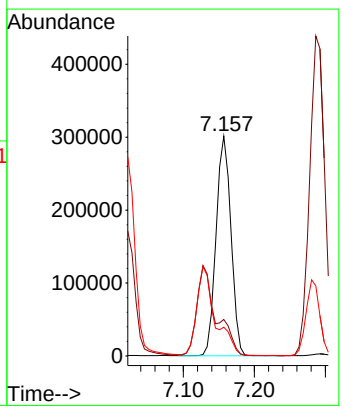
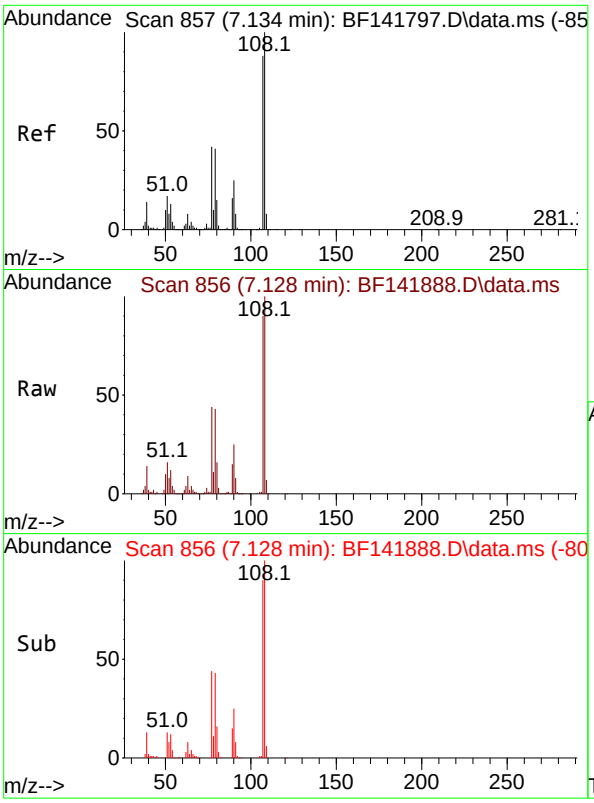


#16
2,2'-oxybis(1-Chloropropane)
Concen: 29.627 ng
RT: 7.157 min Scan# 861
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion: 45 Resp: 435876

Ion	Ratio	Lower	Upper
45	100		
77	16.6	0.0	34.4
79	13.1	0.0	30.9

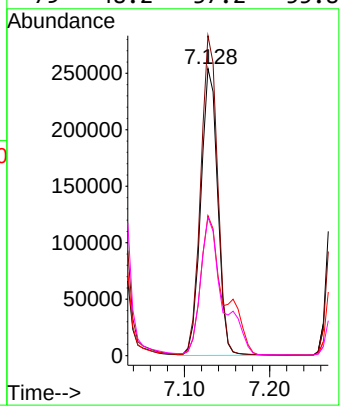




#17
2-Methylphenol
Concen: 42.750 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:107 Resp: 34879

Ion	Ratio	Lower	Upper
107	100		
108	111.4	90.6	135.8
77	48.8	37.7	56.5
79	48.2	37.2	55.8



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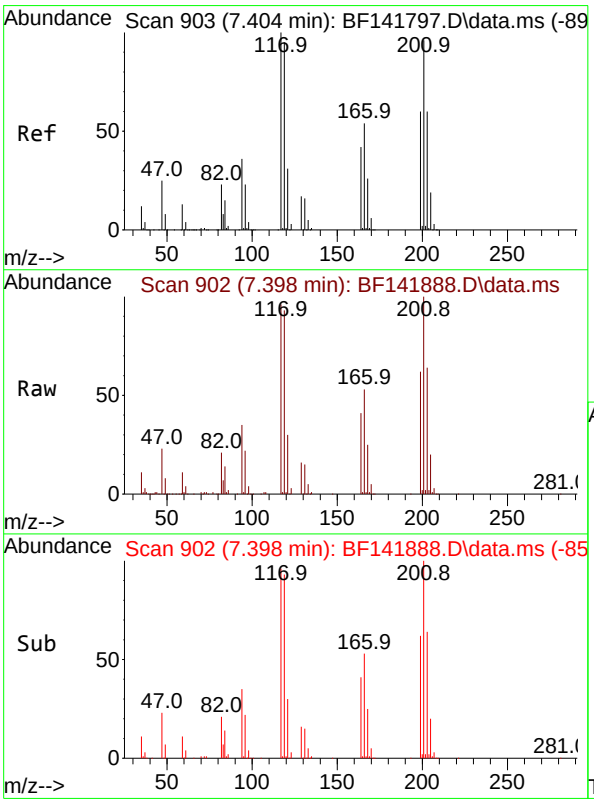
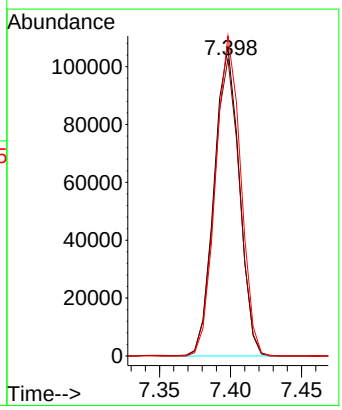
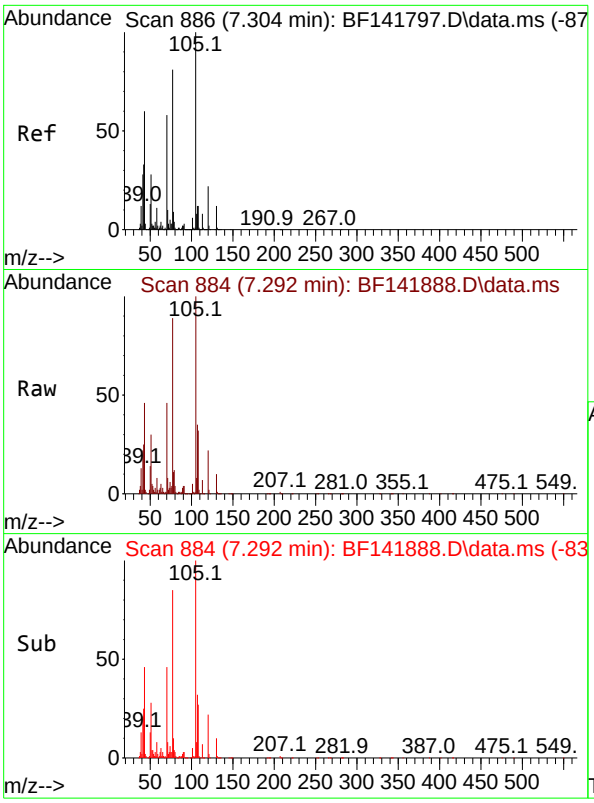


#18
Hexachloroethane
Concen: 32.863 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:117 Resp: 131194

Ion	Ratio	Lower	Upper
117	100		
119	96.3	75.8	113.8
201	103.7	76.7	115.1

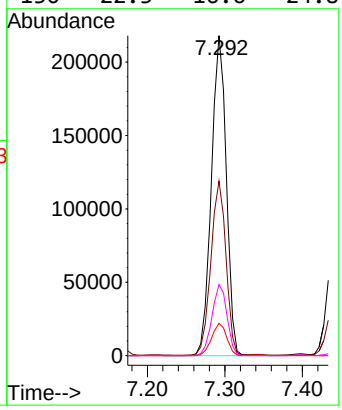




#19
n-Nitroso-di-n-propylamine
Concen: 37.458 ng
RT: 7.292 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion: 70 Resp: 29285

Ion	Ratio	Lower	Upper
70	100		
42	54.6	45.4	68.0
101	10.1	7.8	11.8
130	22.3	16.6	24.8



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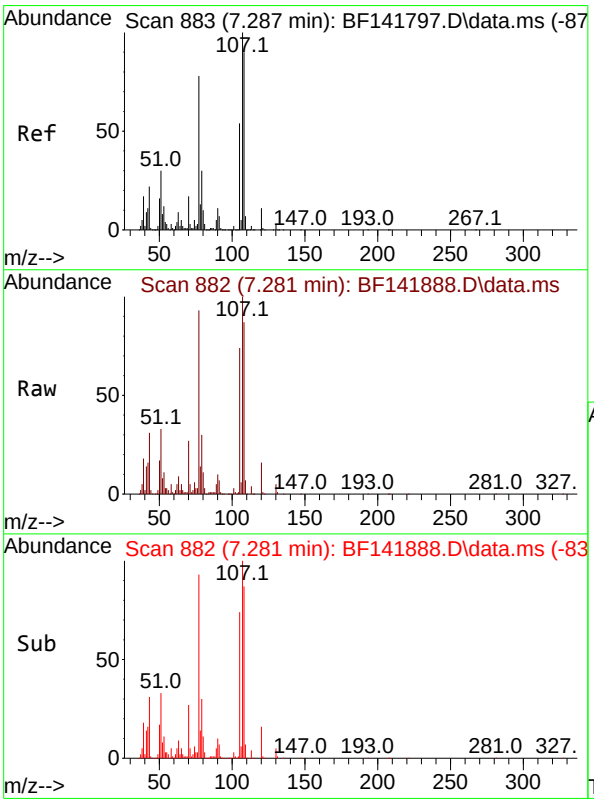
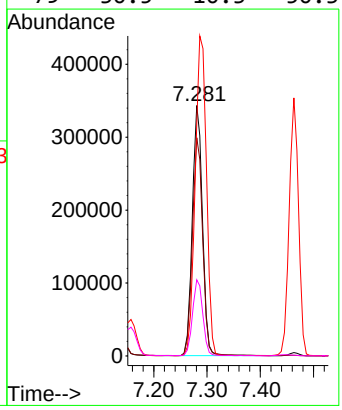
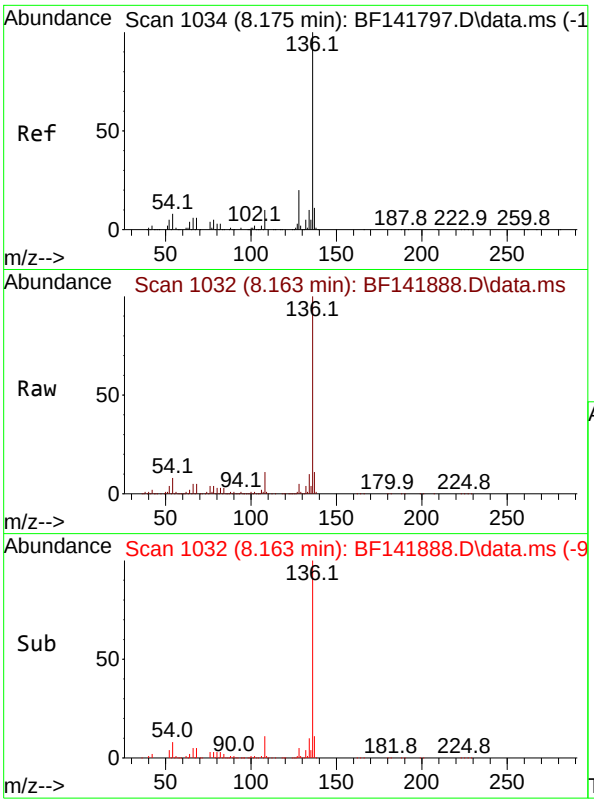


#20
3+4-Methylphenols
Concen: 44.740 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:107 Resp: 454538

Ion	Ratio	Lower	Upper
107	100		
108	87.2	69.7	109.7
77	92.7	58.3	98.3
79	30.5	10.3	50.3

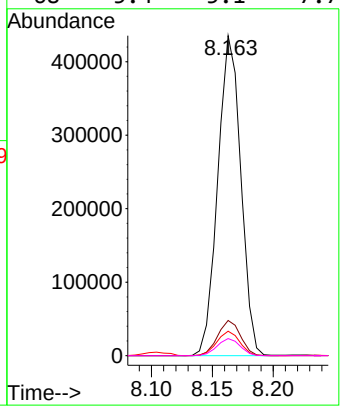




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:136 Resp: 57346

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.6	6.9	10.3
68	5.4	5.1	7.7



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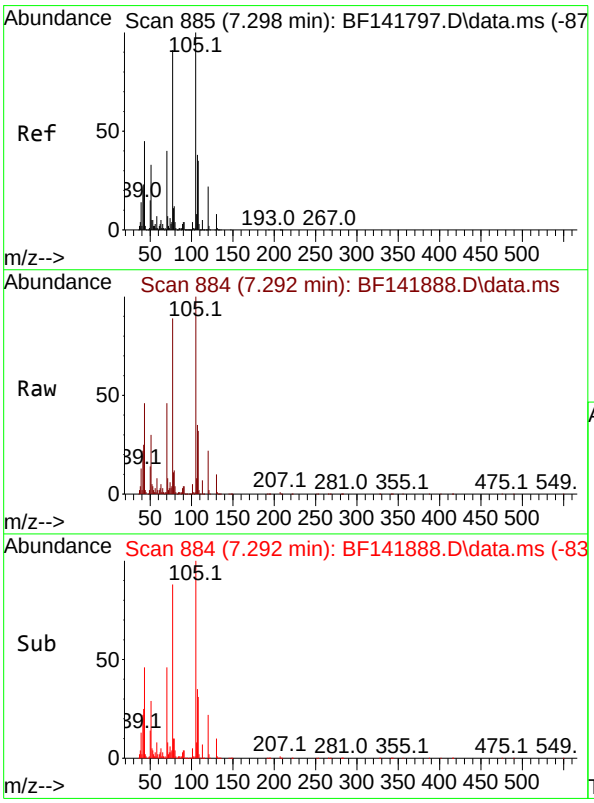
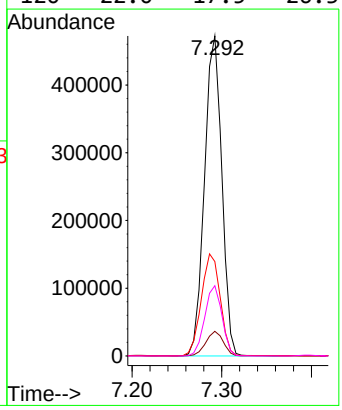
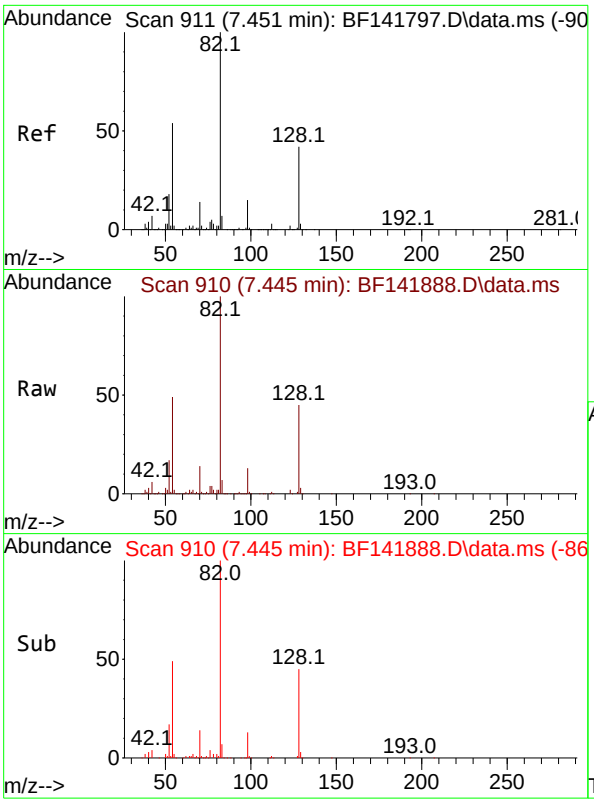


#22
Acetophenone
Concen: 45.388 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:105 Resp: 633919

Ion	Ratio	Lower	Upper
105	100		
71	7.7	5.4	8.0
51	29.5	26.1	39.1
120	22.0	17.5	26.3

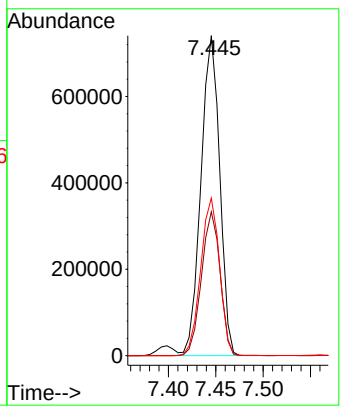




#23
Nitrobenzene-d5
Concen: 113.545 ng
RT: 7.445 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion: 82 Resp: 101867

Ion	Ratio	Lower	Upper
82	100		
128	45.0	33.5	50.3
54	49.3	42.7	64.1



Instrument :
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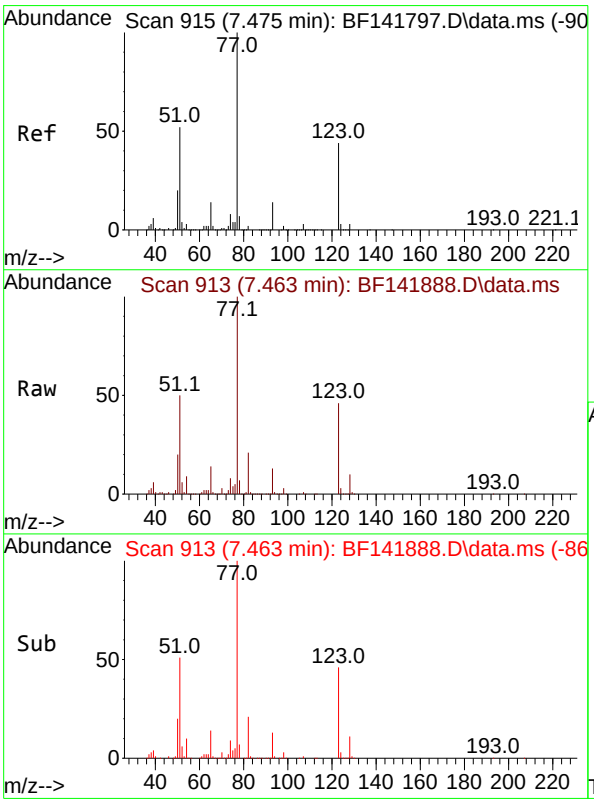
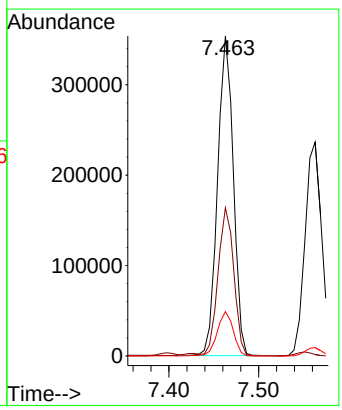
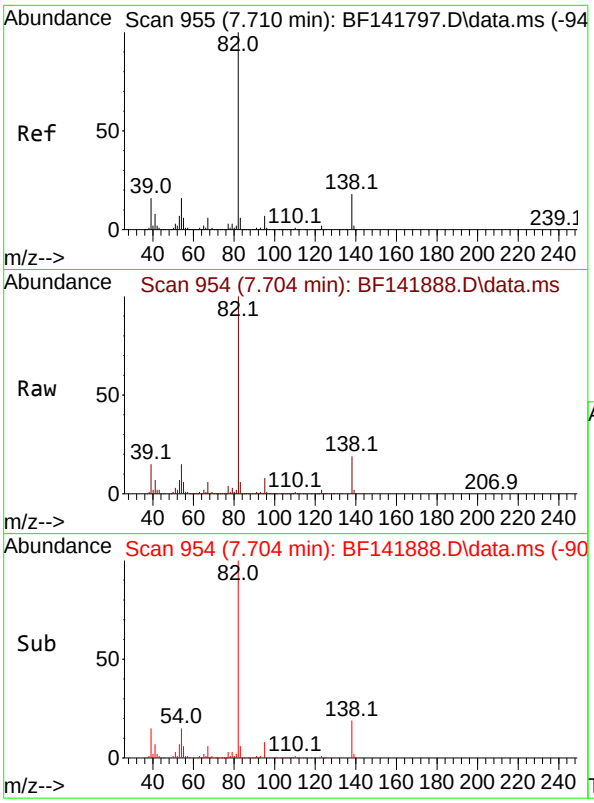


#24
Nitrobenzene
Concen: 44.802 ng
RT: 7.463 min Scan# 913
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion: 77 Resp: 430420

Ion	Ratio	Lower	Upper
77	100		
123	46.3	35.8	53.8
65	13.9	11.2	16.8

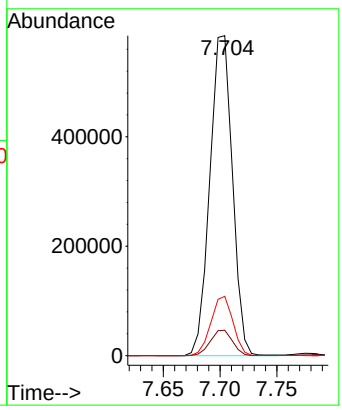




#25
Isophorone
Concen: 42.029 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion: 82 Resp: 81007

Ion	Ratio	Lower	Upper
82	100		
95	7.9	5.8	8.8
138	18.6	14.0	21.0



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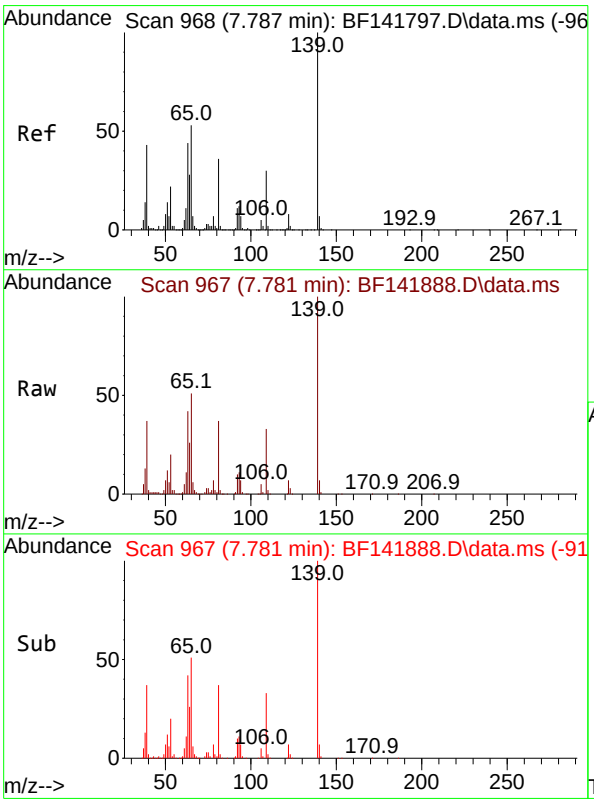
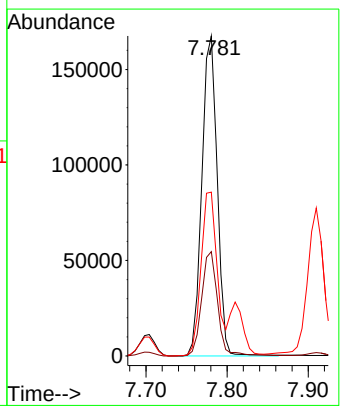
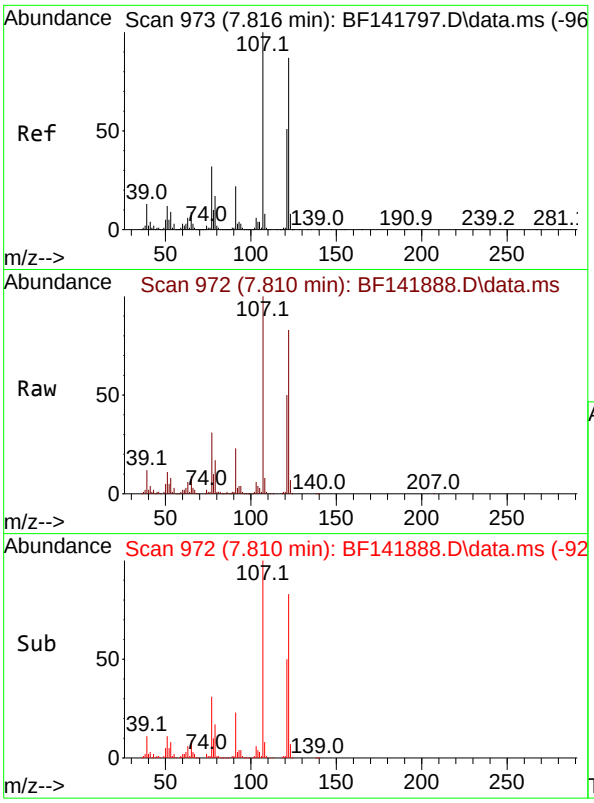


#26
2-Nitrophenol
Concen: 50.950 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:139 Resp: 219989

Ion	Ratio	Lower	Upper
139	100		
109	32.6	24.1	36.1
65	51.2	42.3	63.5

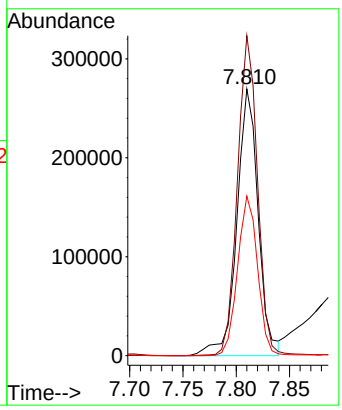




#27
2,4-Dimethylphenol
Concen: 53.085 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:122 Resp: 37610

Ion	Ratio	Lower	Upper
122	100		
107	119.9	92.5	138.7
121	59.8	47.1	70.7



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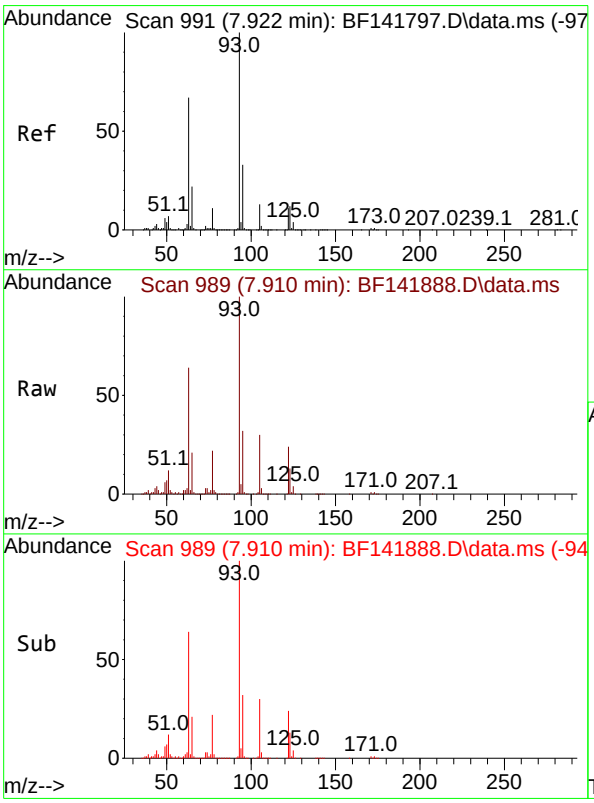
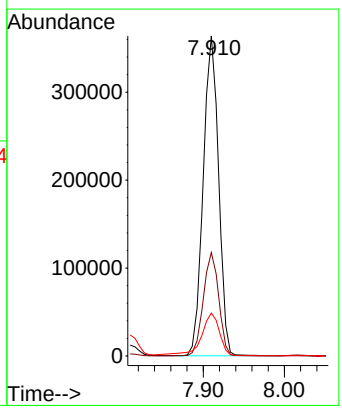
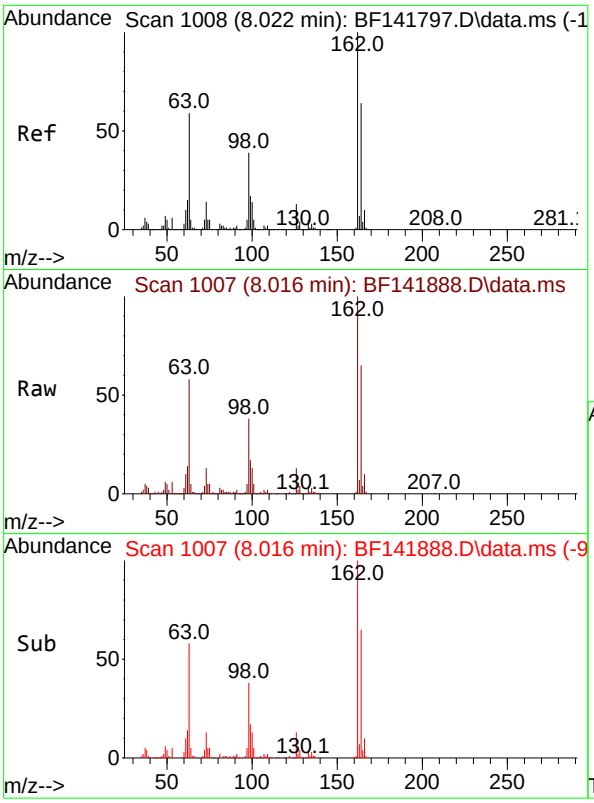


#28
bis(2-Chloroethoxy)methane
Concen: 38.804 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion: 93 Resp: 477100

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.5	39.7
123	13.4	10.0	15.0

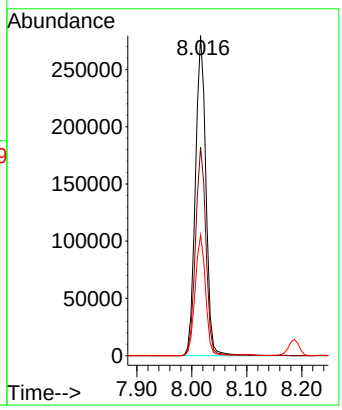




#29
2,4-Dichlorophenol
Concen: 45.445 ng
RT: 8.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:162 Resp: 37145

Ion	Ratio	Lower	Upper
162	100		
164	65.2	44.3	84.3
98	37.7	19.6	59.6



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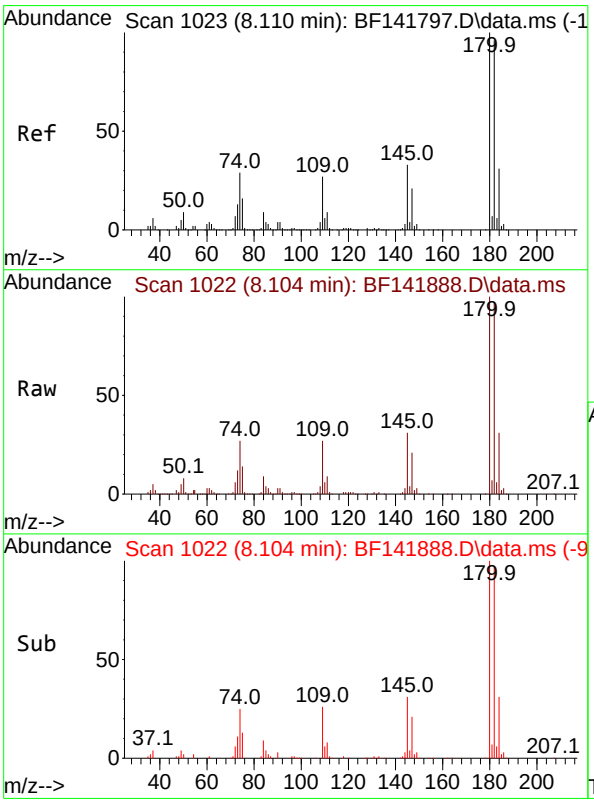
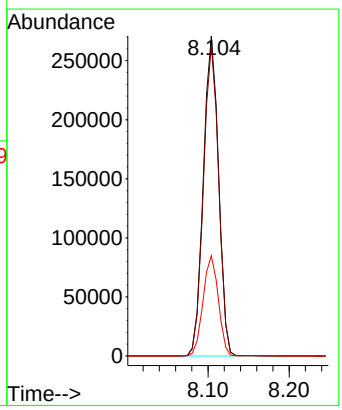
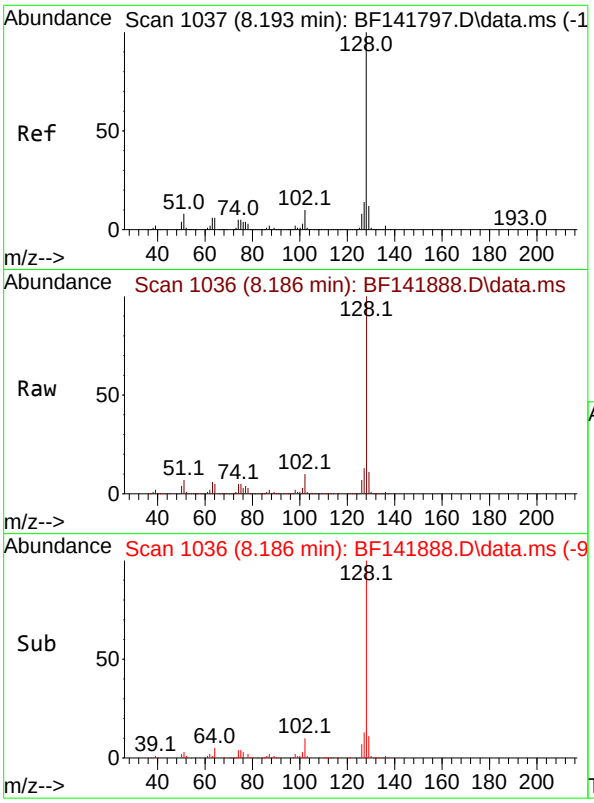


#30
1,2,4-Trichlorobenzene
Concen: 39.327 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:180 Resp: 352226

Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.8	115.2
145	31.3	26.4	39.6

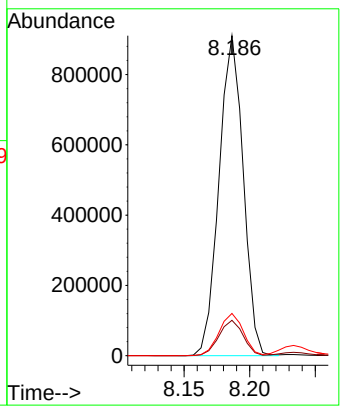




#31
Naphthalene
Concen: 39.617 ng
RT: 8.186 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:128 Resp: 116764

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.2	13.8
127	13.2	11.0	16.4



Instrument :
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ClientSampleId :
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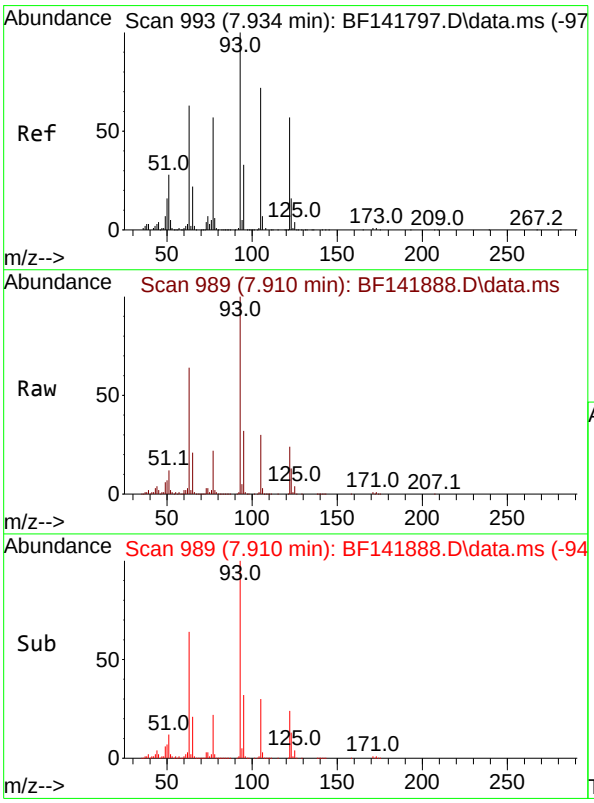
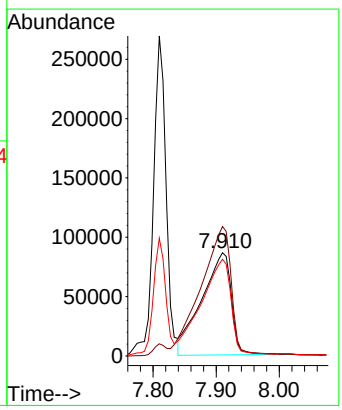
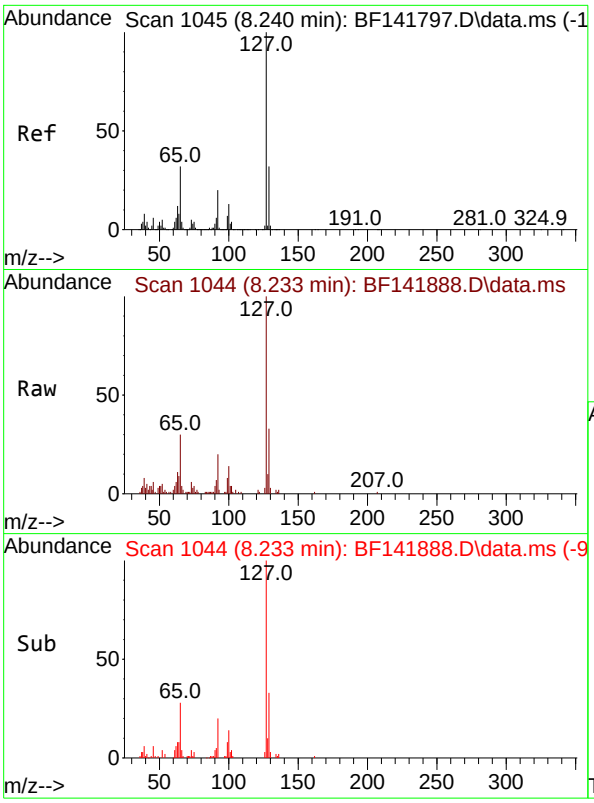


#32
Benzoic acid
Concen: 47.647 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.024 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:122 Resp: 281362

Ion	Ratio	Lower	Upper
122	100		
105	125.4	105.8	145.8
77	93.7	79.9	119.9

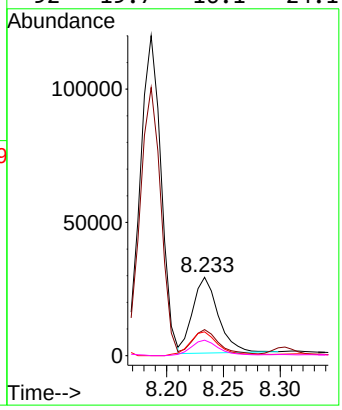




#33
4-Chloroaniline
Concen: 4.120 ng
RT: 8.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:127 Resp: 4452

Ion	Ratio	Lower	Upper
127	100		
129	33.3	26.1	39.1
65	30.4	25.7	38.5
92	19.7	16.1	24.1



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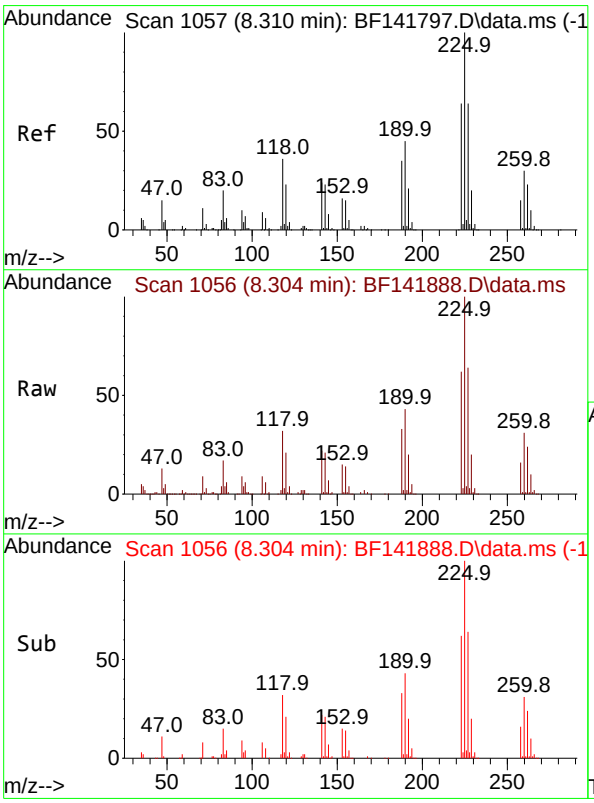
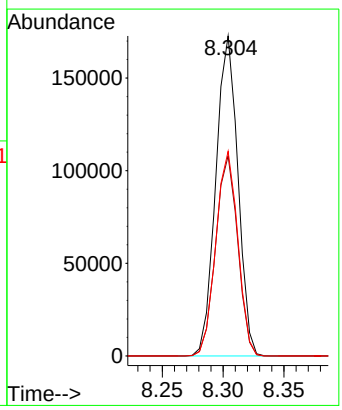
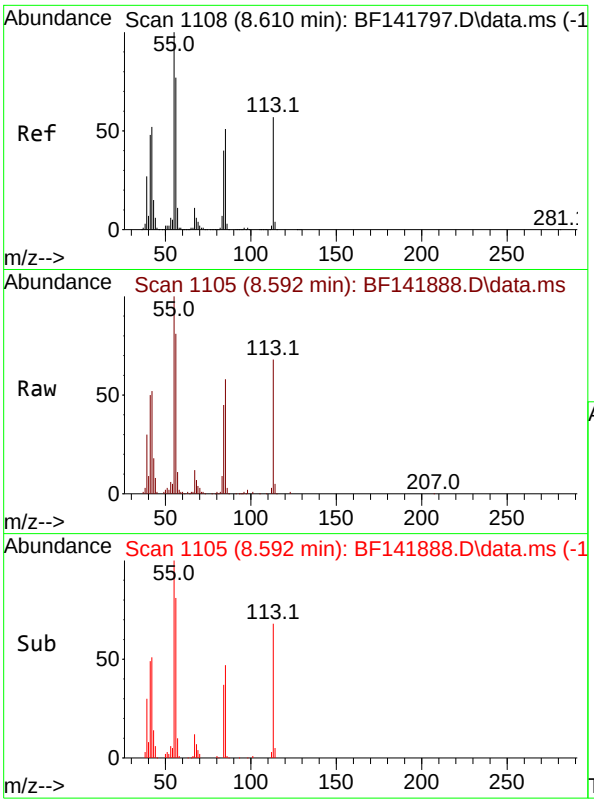


#34
Hexachlorobutadiene
Concen: 39.168 ng
RT: 8.304 min Scan# 1056
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:225 Resp: 217994

Ion	Ratio	Lower	Upper
225	100		
223	62.5	51.4	77.2
227	64.0	51.6	77.4

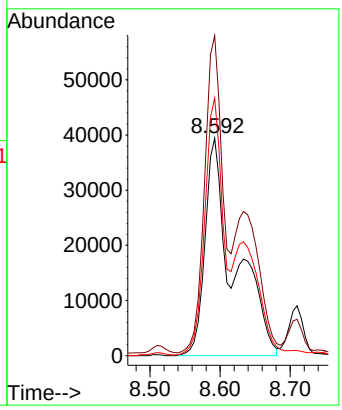




#35
Caprolactam
Concen: 45.256 ng m
RT: 8.592 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:113 Resp: 11379

Ion	Ratio	Lower	Upper
113	100		
55	147.2	155.6	195.6
56	118.5	114.6	154.6



Instrument :
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ClientSampleId :
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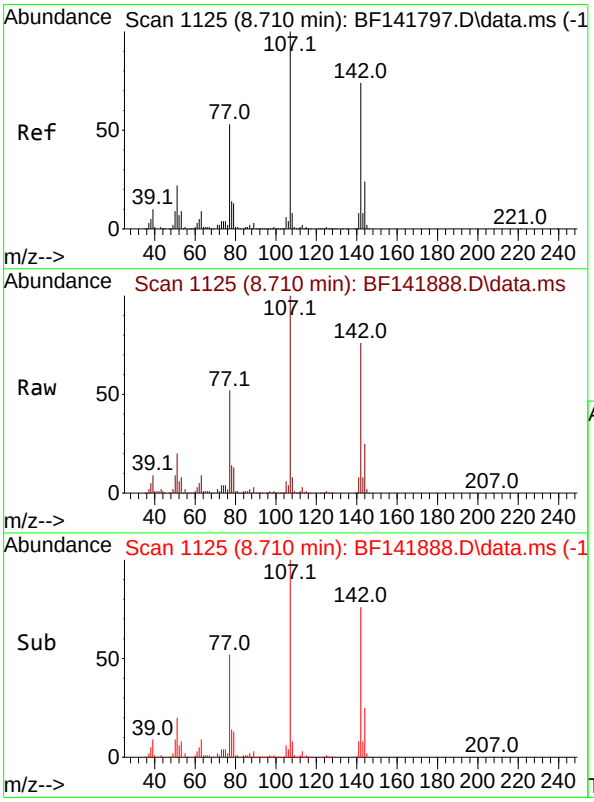
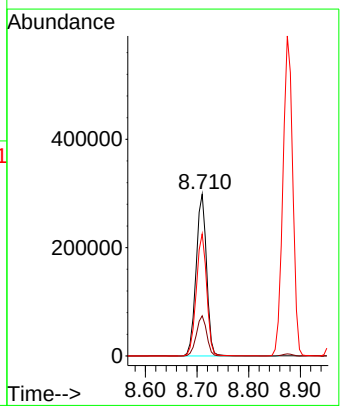
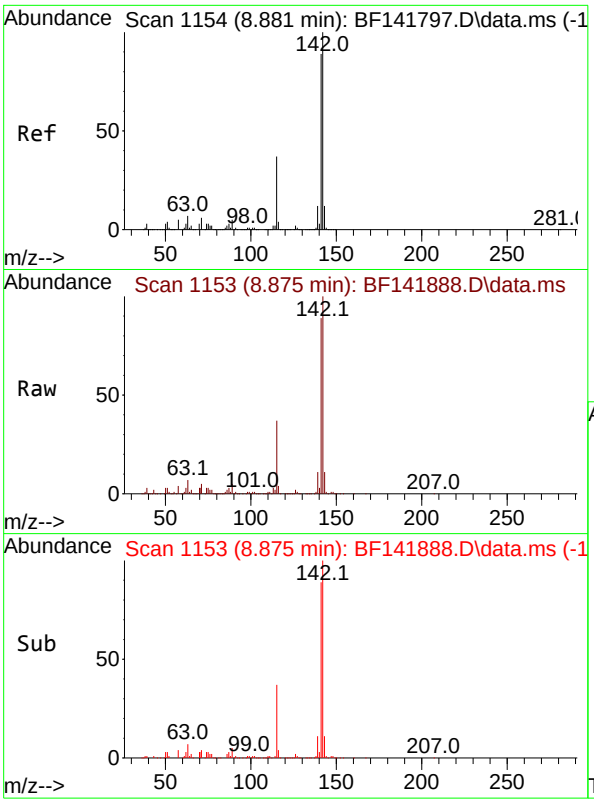


#36
4-Chloro-3-methylphenol
Concen: 46.229 ng
RT: 8.710 min Scan# 1125
Delta R.T. -0.000 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:107 Resp: 419747

Ion	Ratio	Lower	Upper
107	100		
144	24.9	19.4	29.0
142	75.5	59.4	89.0

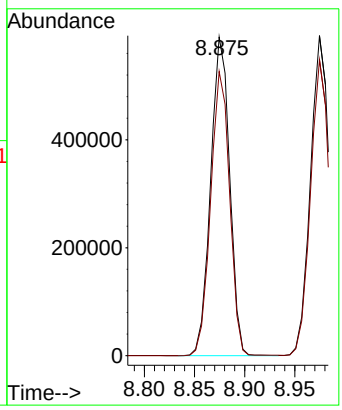




#37
2-Methylnaphthalene
Concen: 40.304 ng
RT: 8.875 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:142 Resp: 77915

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.1	106.7



Instrument :
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ClientSampleId :
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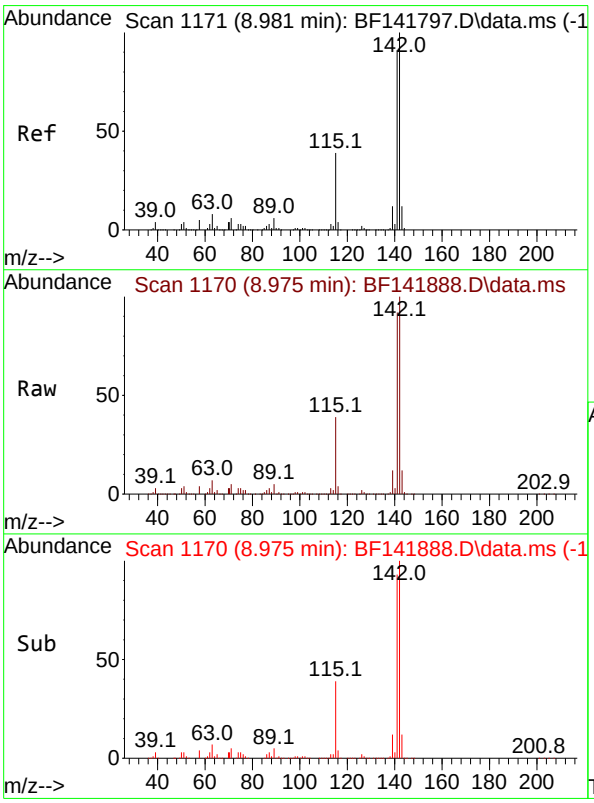
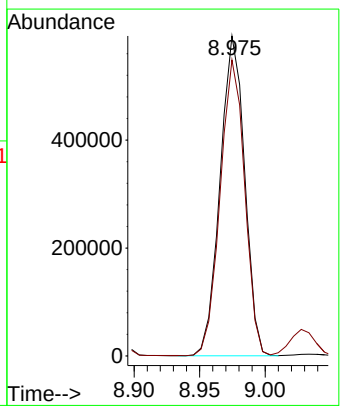
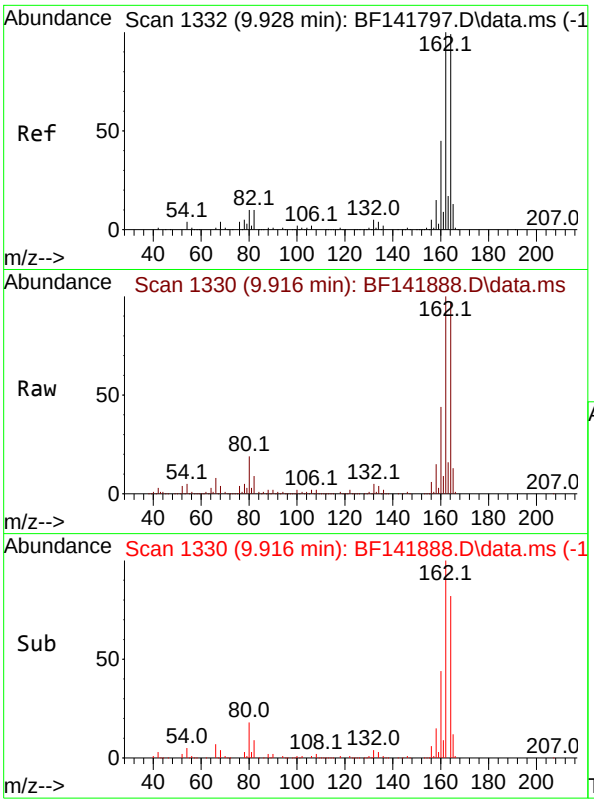


#38
1-Methylnaphthalene
Concen: 41.599 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:142 Resp: 771642

Ion	Ratio	Lower	Upper
142	100		
141	92.5	73.1	109.7

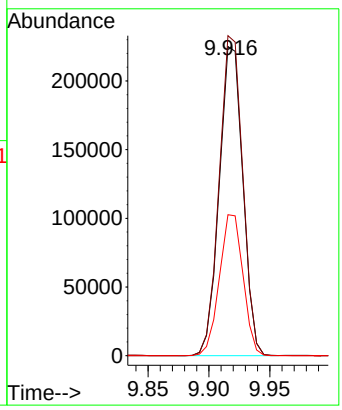




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:164 Resp: 30359

Ion	Ratio	Lower	Upper
164	100		
162	103.5	80.6	120.8
160	45.6	36.3	54.5



Instrument :
BNA_F
ClientSampleId :
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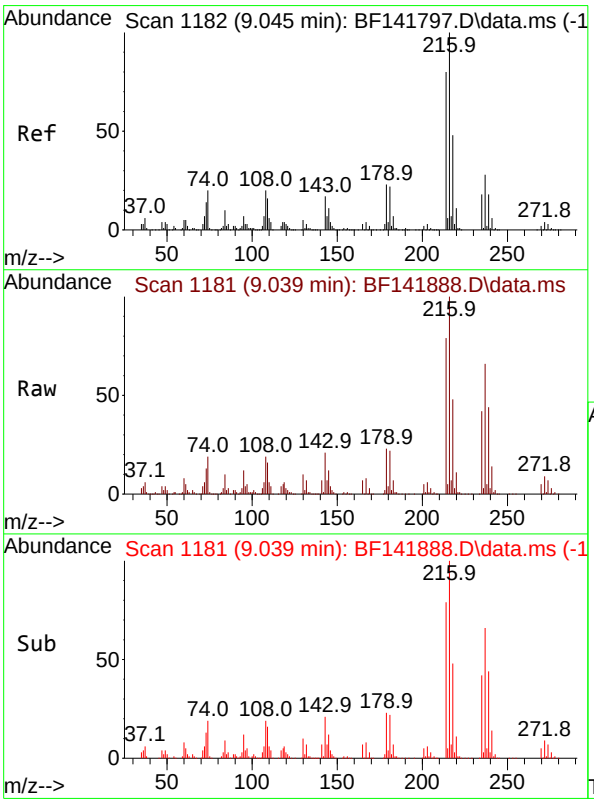
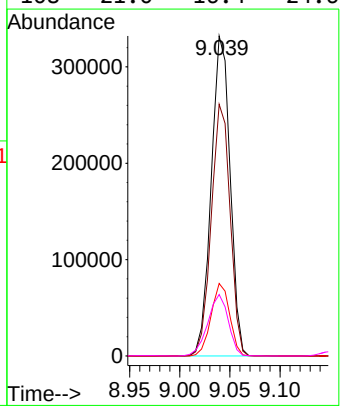
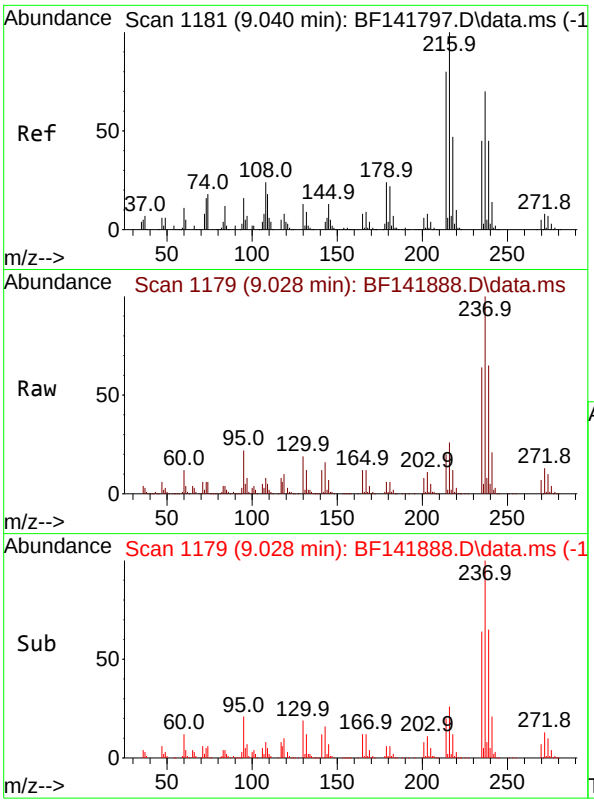


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.506 ng
RT: 9.039 min Scan# 1181
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:216 Resp: 434072

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.5	95.3
179	22.4	18.1	27.1
108	21.0	16.4	24.6

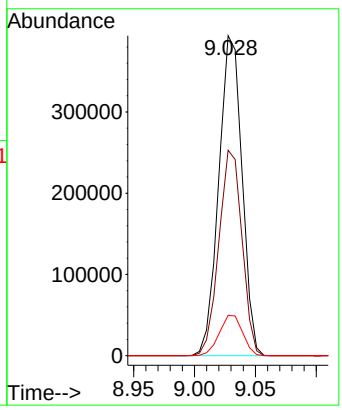




#41
Hexachlorocyclopentadiene
Concen: 143.187 ng
RT: 9.028 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:237 Resp: 52394

Ion	Ratio	Lower	Upper
237	100		
235	64.2	43.3	83.3
272	12.6	0.0	31.9



Instrument :
BNA_F
ClientSampleId :
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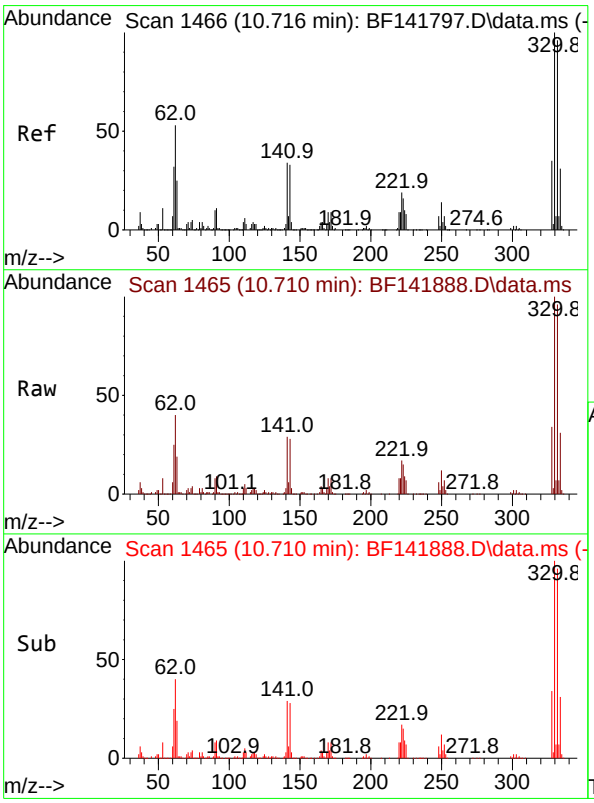
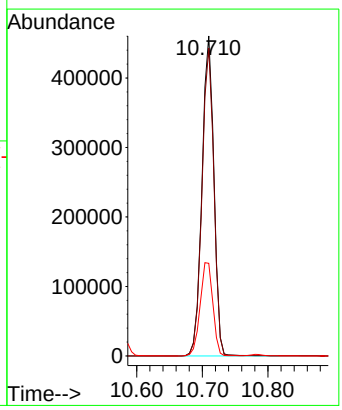
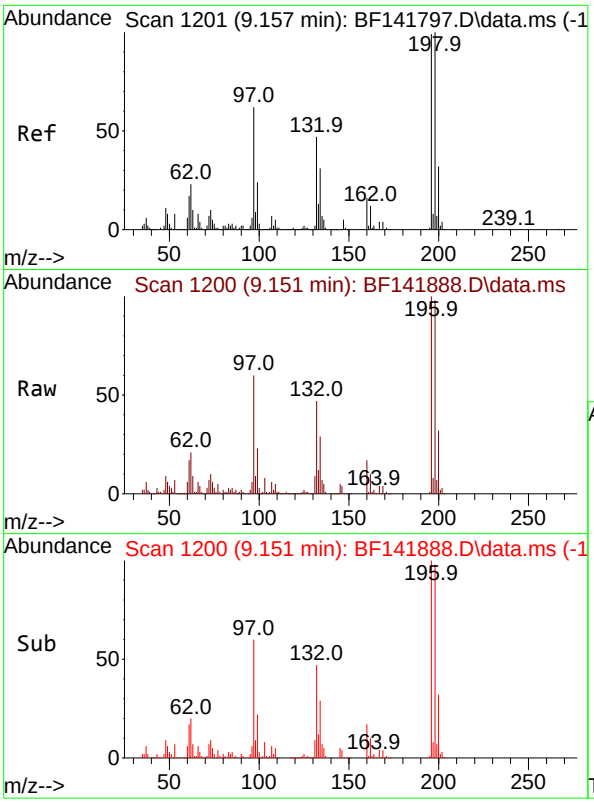


#42
2,4,6-Tribromophenol
Concen: 204.654 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:330 Resp: 583302

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	115.0
141	31.2	29.0	43.4

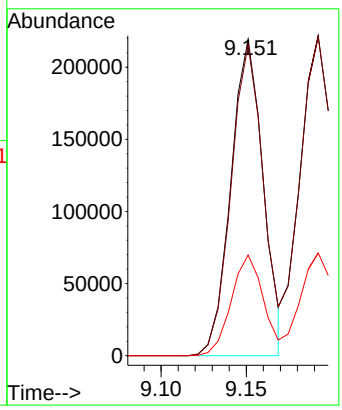




#43
2,4,6-Trichlorophenol
Concen: 51.151 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:196 Resp: 28971

Ion	Ratio	Lower	Upper
196	100		
198	98.2	80.4	120.6
200	31.8	25.7	38.5



Instrument :
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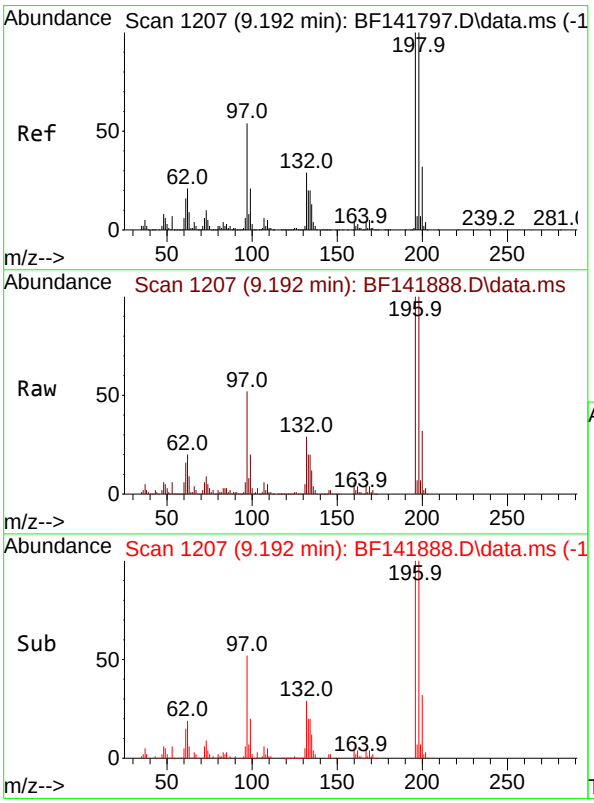
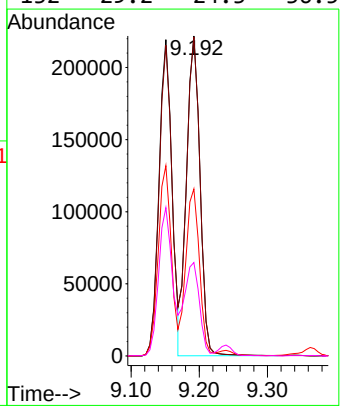
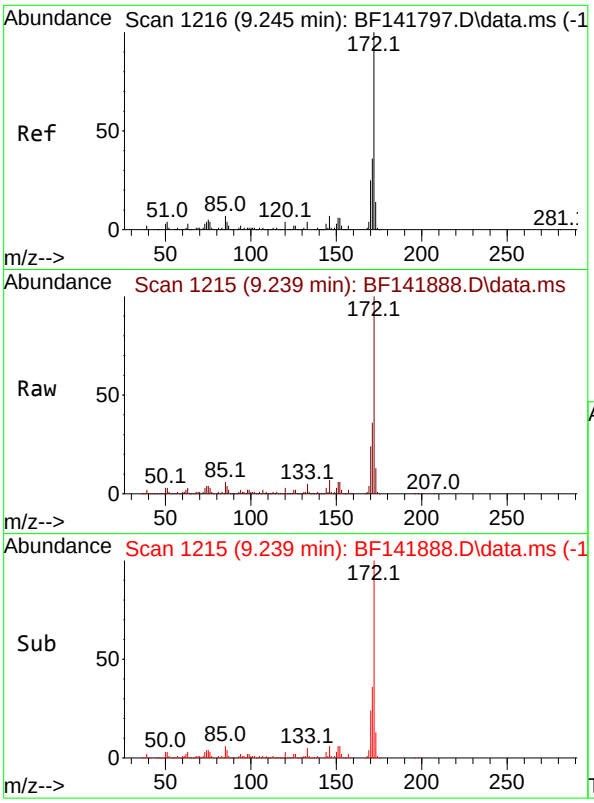


#44
2,4,5-Trichlorophenol
Concen: 54.229 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.000 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:196 Resp: 304140

Ion	Ratio	Lower	Upper
196	100		
198	99.7	79.7	119.5
97	52.2	44.2	66.2
132	29.2	24.3	36.5

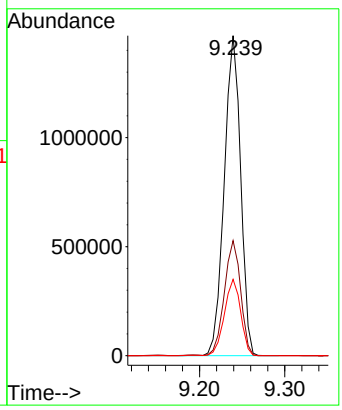




#45
2-Fluorobiphenyl
Concen: 103.821 ng
RT: 9.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:172 Resp: 196572

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.2	43.8
170	23.9	19.7	29.5



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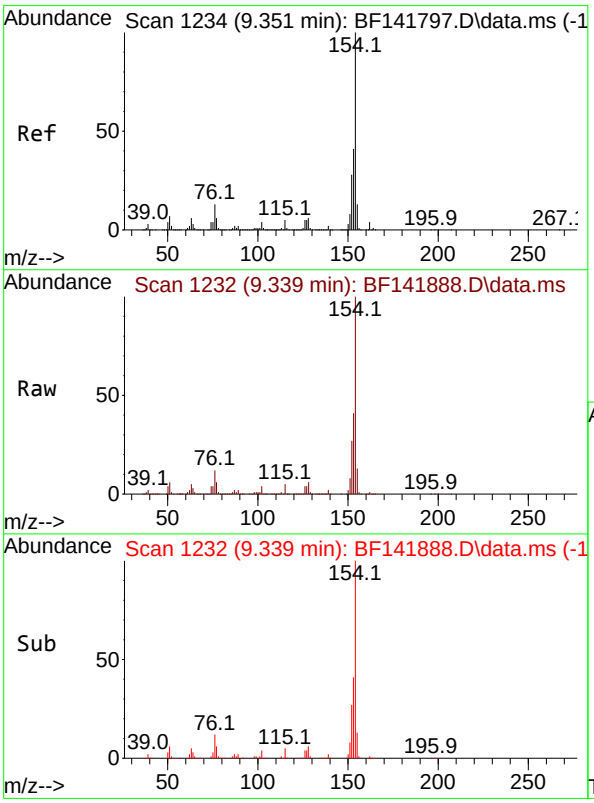
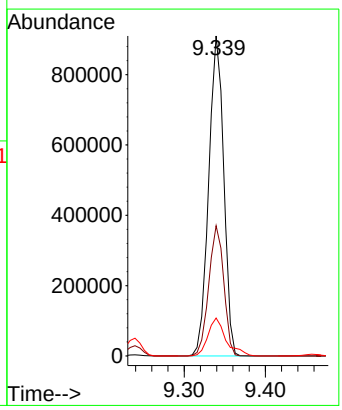
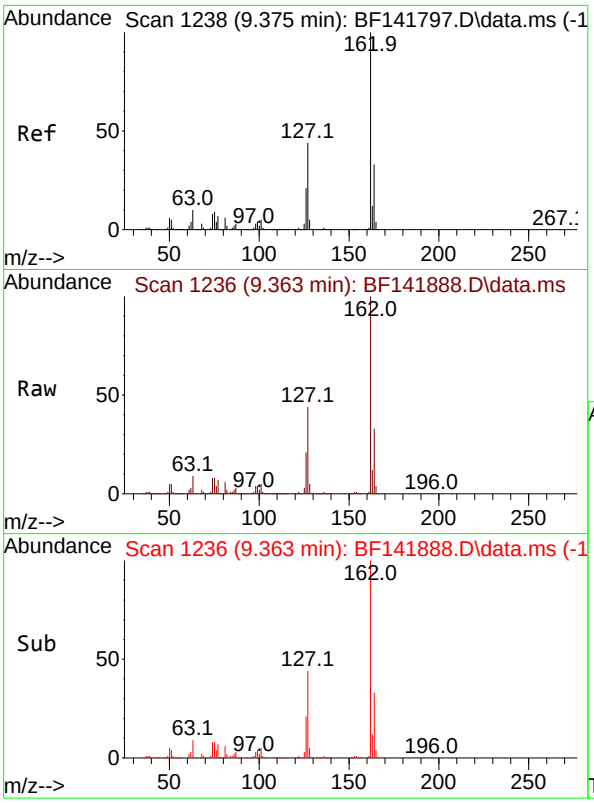


#46
1,1'-Biphenyl
Concen: 50.458 ng
RT: 9.339 min Scan# 1232
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:154 Resp: 1166006

Ion	Ratio	Lower	Upper
154	100		
153	40.7	21.4	61.4
76	11.9	0.0	33.4

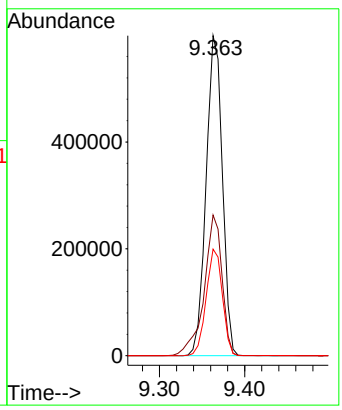




#47
2-Chloronaphthalene
Concen: 46.505 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:162 Resp: 79317

Ion	Ratio	Lower	Upper
162	100		
127	43.9	35.0	52.6
164	33.3	26.6	40.0



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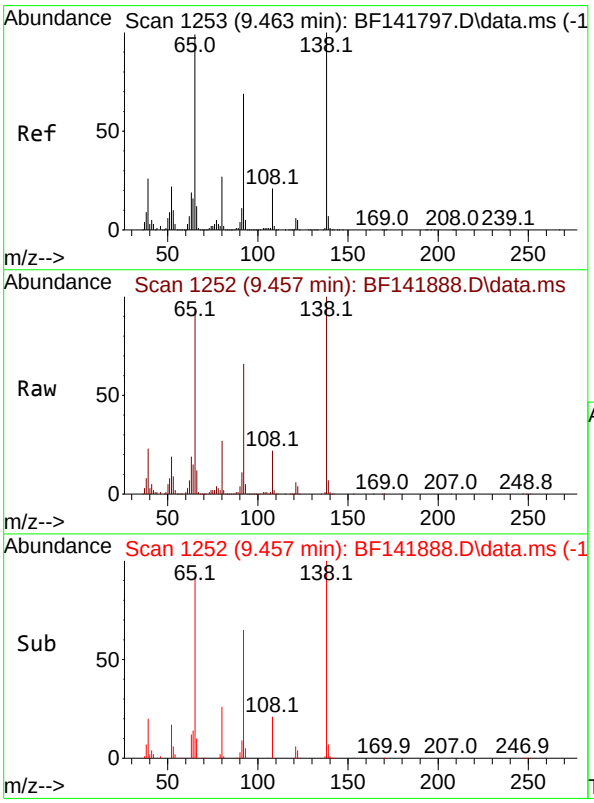
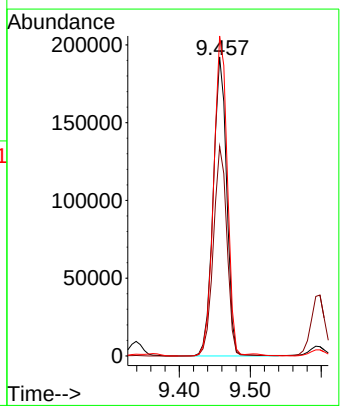
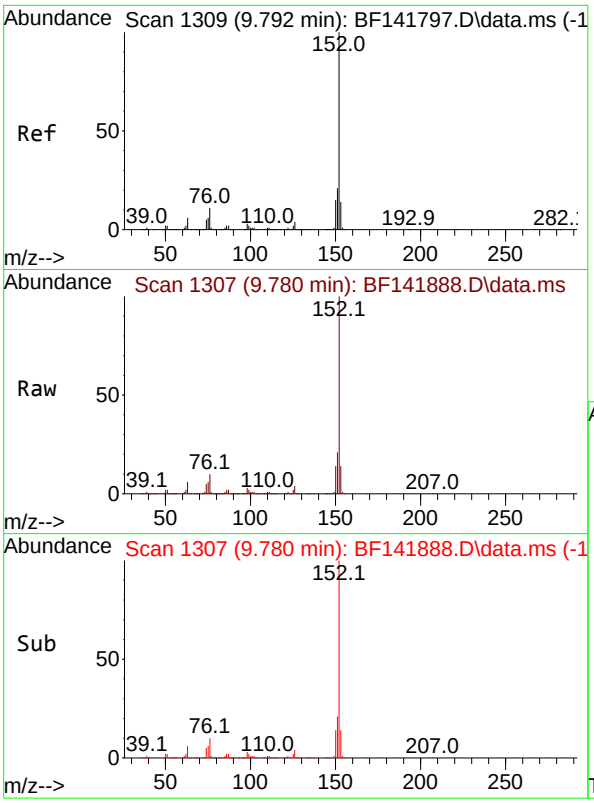


#48
2-Nitroaniline
Concen: 53.790 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion: 65 Resp: 253809

Ion	Ratio	Lower	Upper
65	100		
92	70.1	55.7	83.5
138	107.0	80.6	121.0

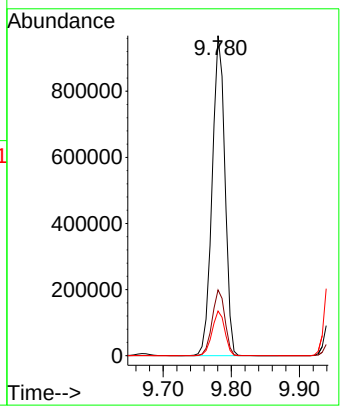




#49
Acenaphthylene
Concen: 49.307 ng
RT: 9.780 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:152 Resp: 126085

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.6	24.8
153	14.0	11.2	16.8



Instrument :
BNA_F
ClientSampleId :
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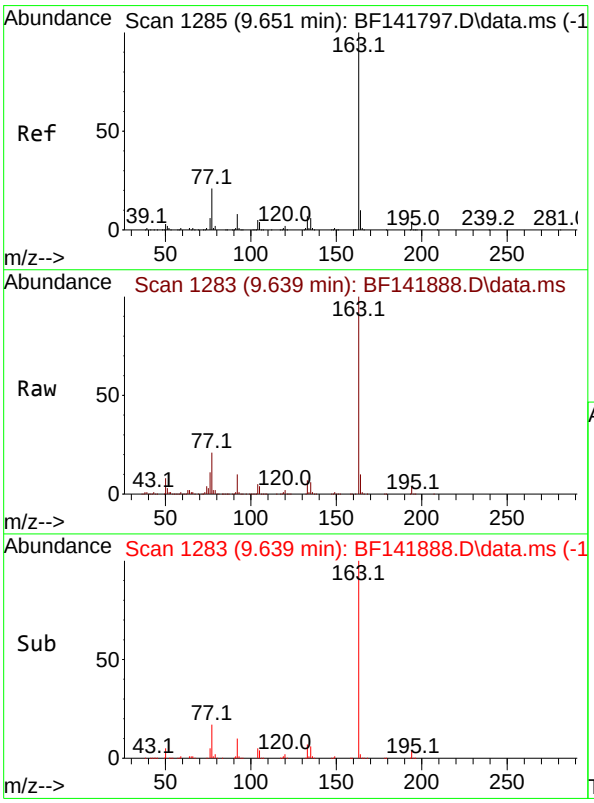
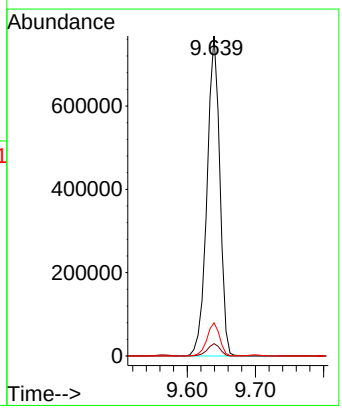
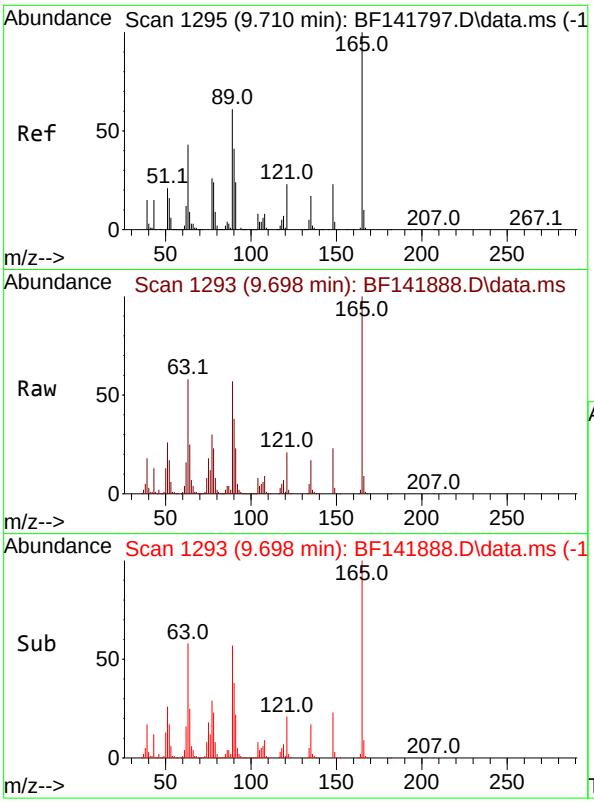


#50
Dimethylphthalate
Concen: 49.315 ng
RT: 9.639 min Scan# 1283
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:163 Resp: 1002628

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.4	8.4	12.6

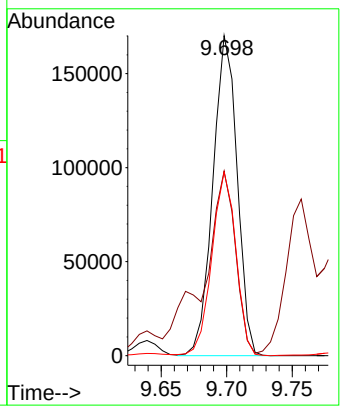




#51
2,6-Dinitrotoluene
Concen: 55.722 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:165 Resp: 21860

Ion	Ratio	Lower	Upper
165	100		
63	57.6	49.5	74.3
89	57.4	49.0	73.4



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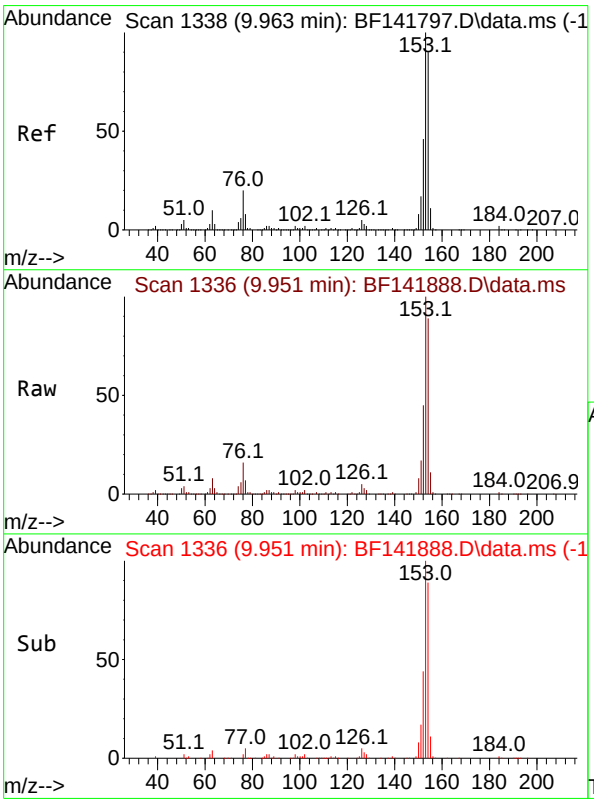
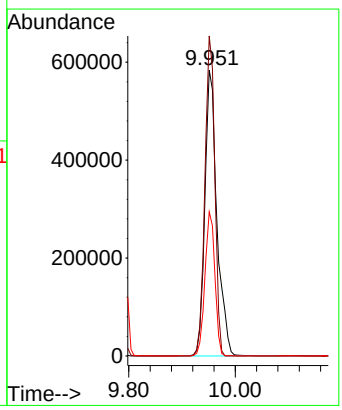
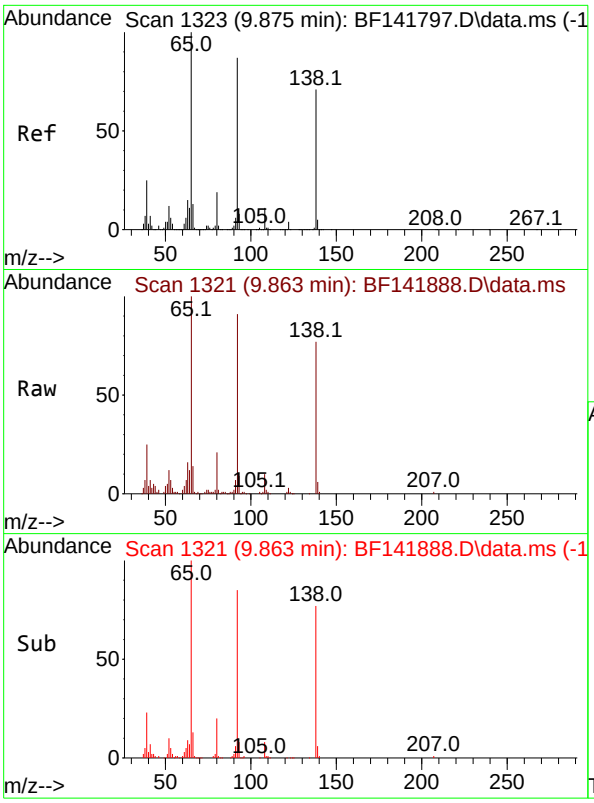


#52
Acenaphthene
Concen: 53.212 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:154 Resp: 918161

Ion	Ratio	Lower	Upper
154	100		
153	111.9	88.7	133.1
152	50.4	40.9	61.3

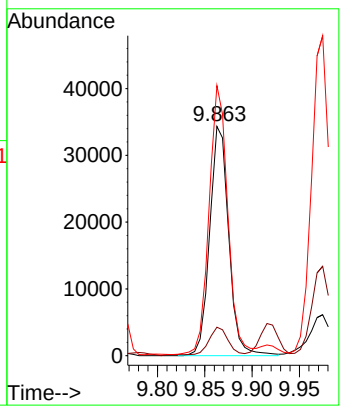




#53
3-Nitroaniline
Concen: 13.818 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:138 Resp: 4791

Ion	Ratio	Lower	Upper
138	100		
108	12.4	12.7	19.1#
92	117.8	97.9	146.9



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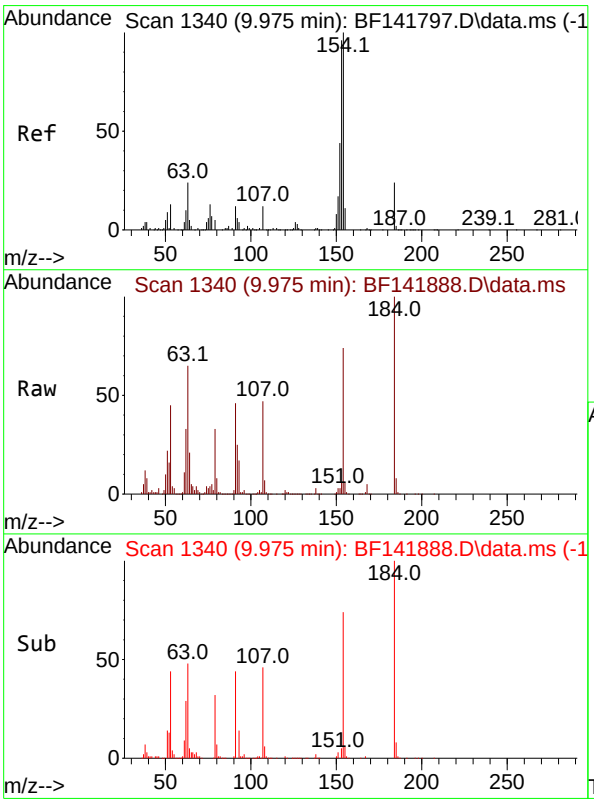
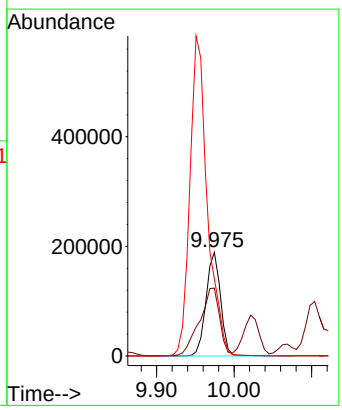
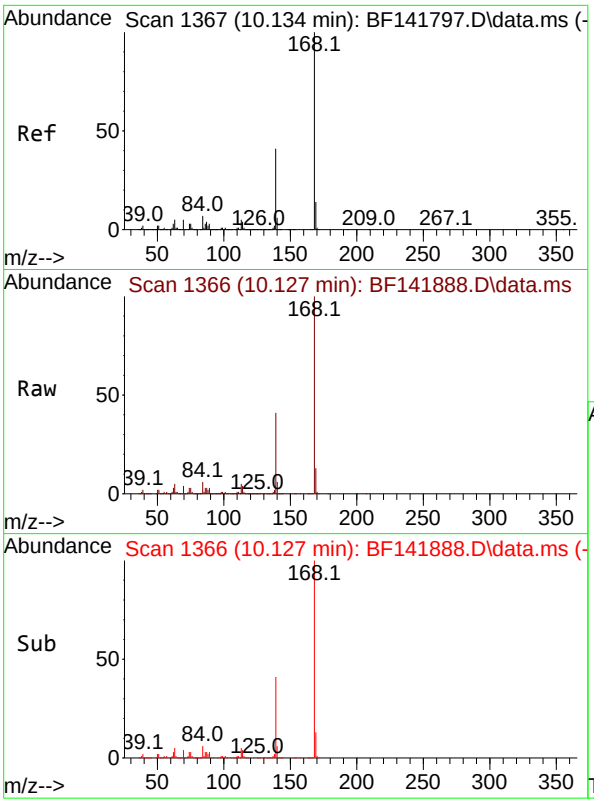


#54
2,4-Dinitrophenol
Concen: 118.427 ng
RT: 9.975 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:184 Resp: 246319

Ion	Ratio	Lower	Upper
184	100		
63	65.4	79.0	118.6#
154	74.1	335.8	503.8#

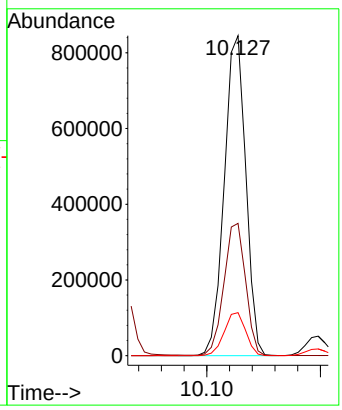




#55
Dibenzofuran
Concen: 44.265 ng
RT: 10.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:168 Resp: 111167

Ion	Ratio	Lower	Upper
168	100		
139	41.3	32.9	49.3
169	13.5	11.1	16.7



Instrument :
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ClientSampleId :
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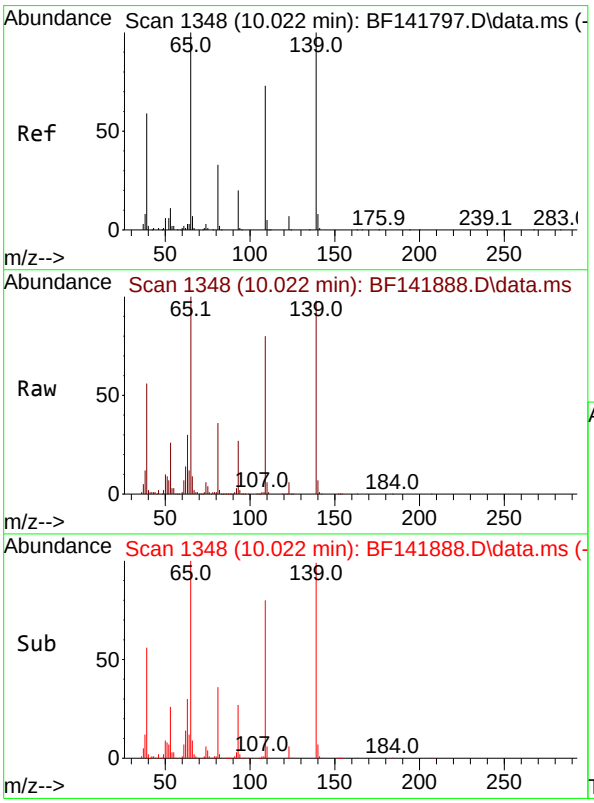
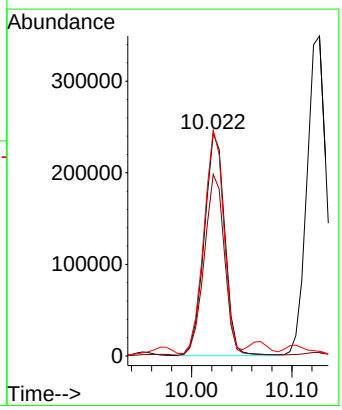
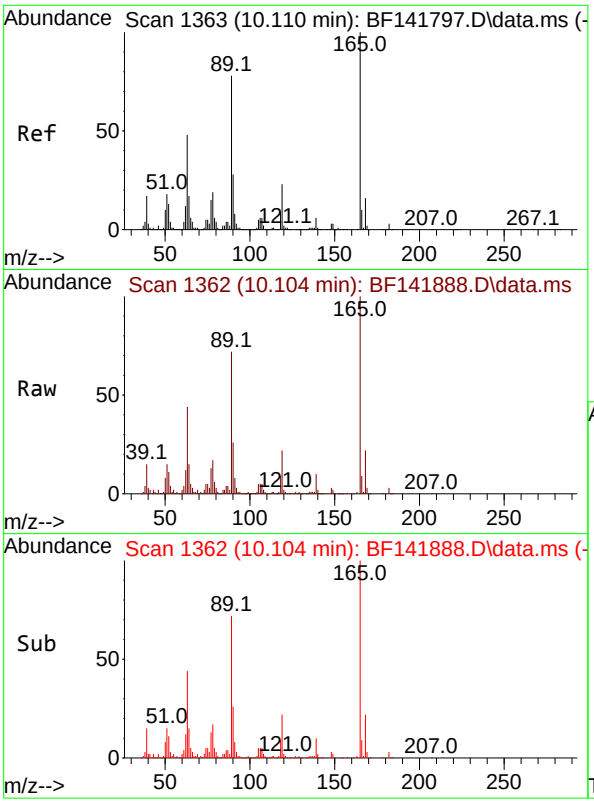


#56
4-Nitrophenol
Concen: 115.329 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:139 Resp: 346309

Ion	Ratio	Lower	Upper
139	100		
109	81.6	53.4	93.4
65	101.6	82.1	122.1

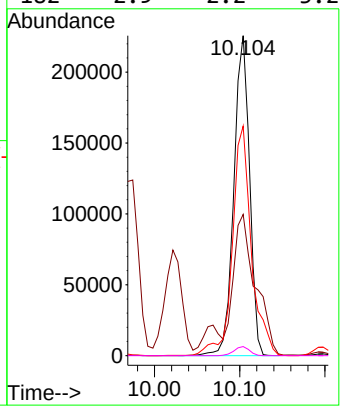




#57
2,4-Dinitrotoluene
Concen: 59.902 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:165 Resp: 28905

Ion	Ratio	Lower	Upper
165	100		
63	44.2	38.8	58.2
89	71.8	62.6	94.0
182	2.9	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
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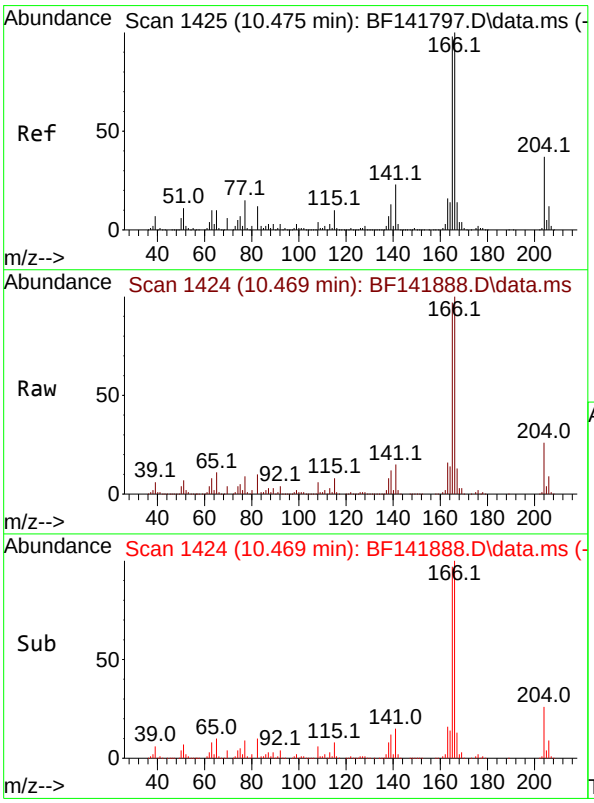
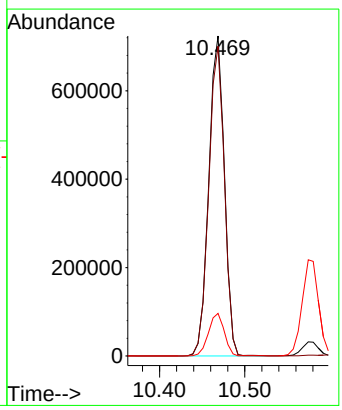
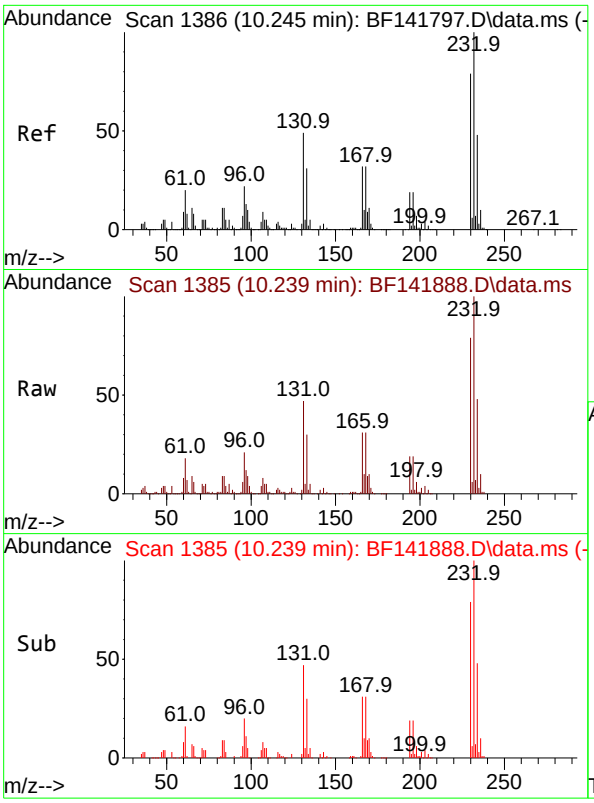


#58
Fluorene
Concen: 49.103 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:166 Resp: 923723

Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.6	117.8
167	13.3	11.0	16.4

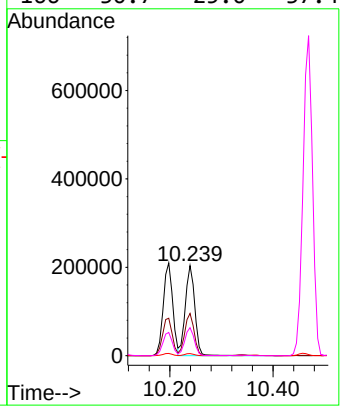




#59
2,3,4,6-Tetrachlorophenol
Concen: 53.169 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:232 Resp: 25934

Ion	Ratio	Lower	Upper
232	100		
131	46.7	37.8	56.8
130	2.3	2.0	3.0
166	30.7	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
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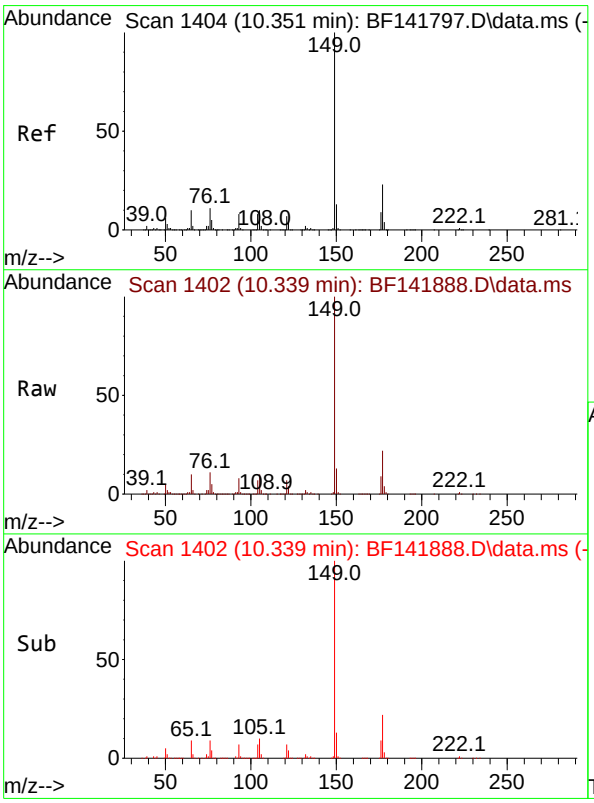
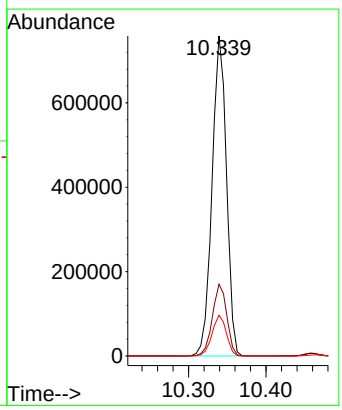
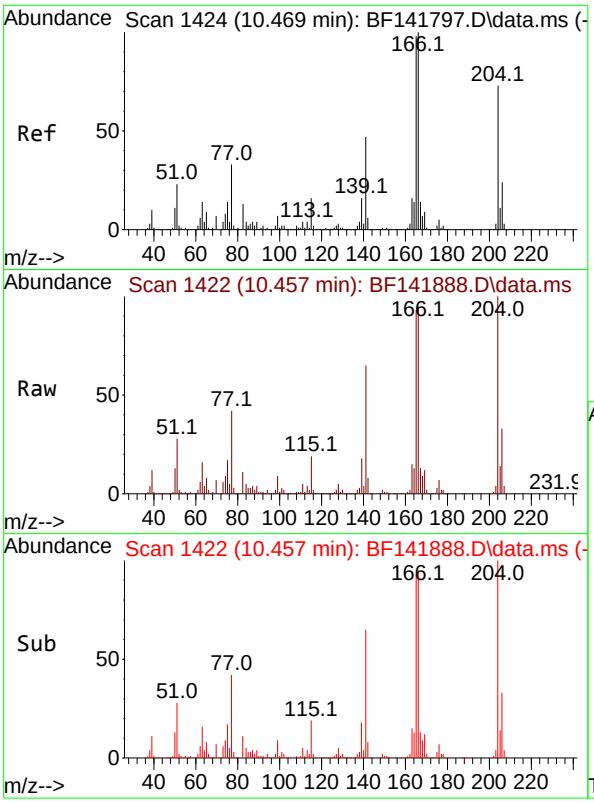


#60
Diethylphthalate
Concen: 48.017 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:149 Resp: 978673

Ion	Ratio	Lower	Upper
149	100		
177	22.4	18.3	27.5
150	12.7	10.3	15.5

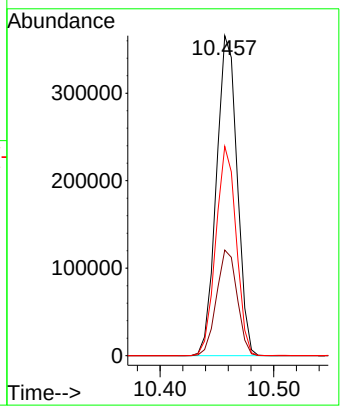




#61
4-Chlorophenyl-phenylether
Concen: 49.222 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:204 Resp: 46393

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.2	39.4
141	65.4	51.7	77.5



Instrument :
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ClientSampleId :
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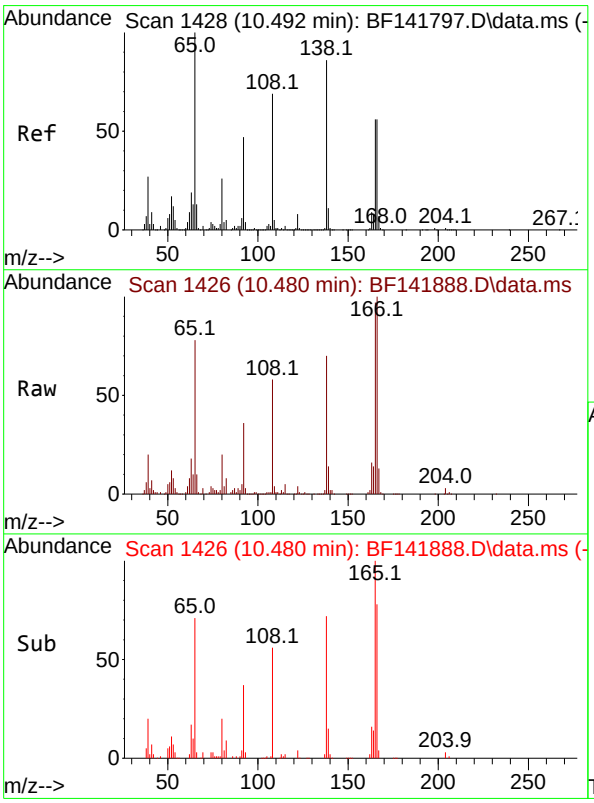
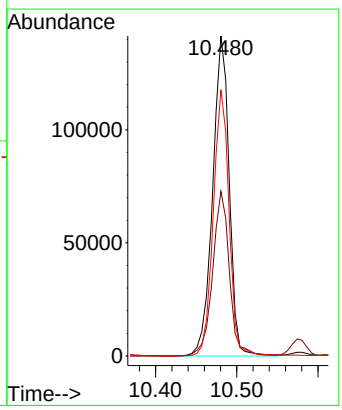
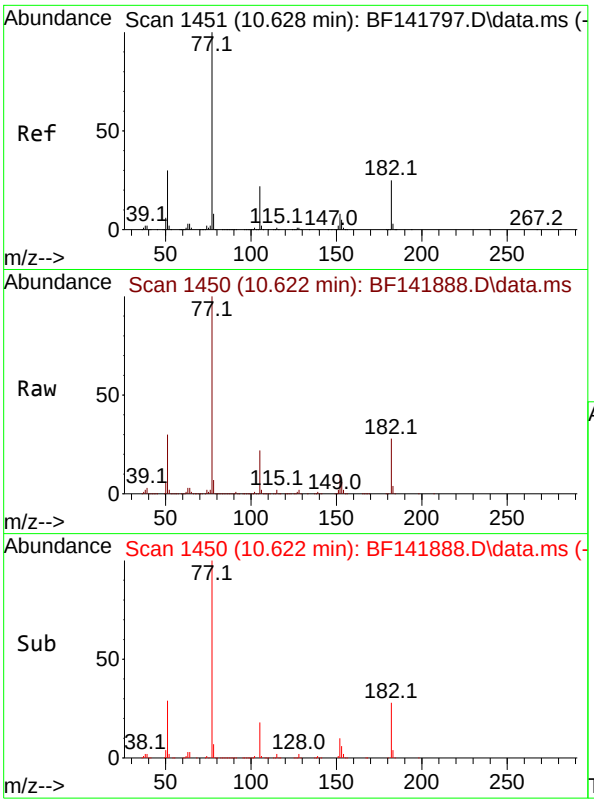


#62
4-Nitroaniline
Concen: 57.854 ng
RT: 10.480 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:138 Resp: 200872

Ion	Ratio	Lower	Upper
138	100		
92	51.4	34.9	74.9
108	83.2	59.6	99.6

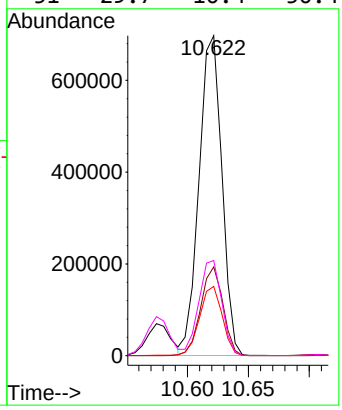




#63
Azobenzene
Concen: 42.378 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion: 77 Resp: 90943

Ion	Ratio	Lower	Upper
77	100		
182	27.8	4.2	44.2
105	21.7	1.5	41.5
51	29.7	10.4	50.4



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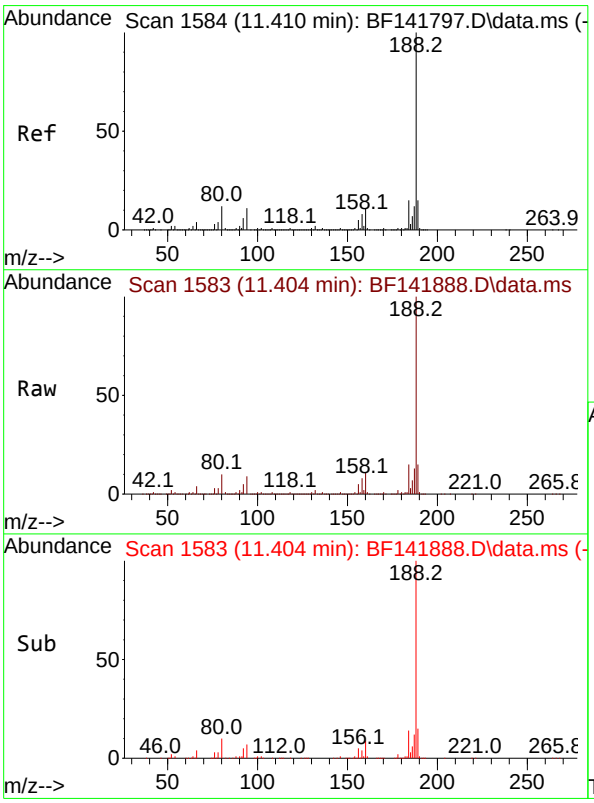
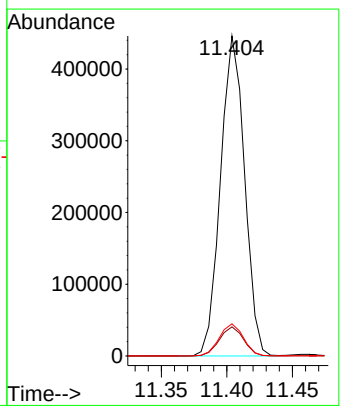
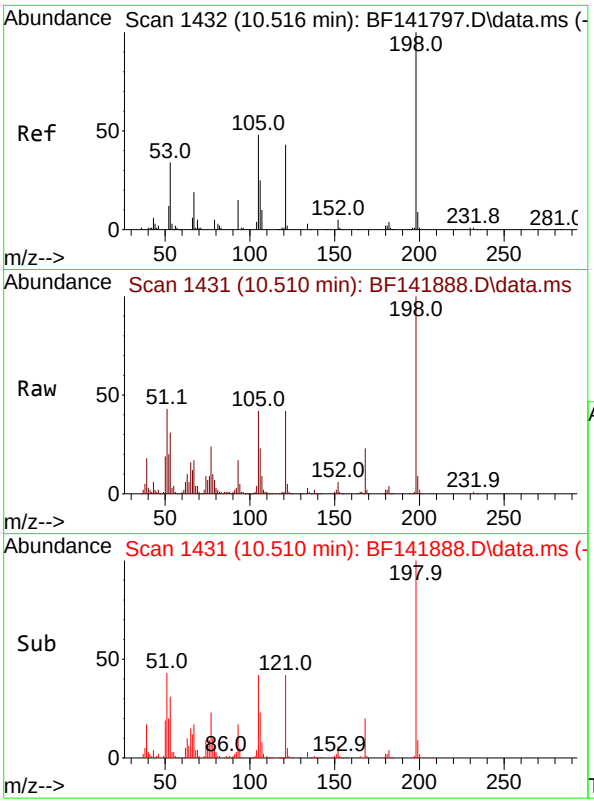


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:188 Resp: 568957

Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.9	13.3
80	10.0	9.7	14.5

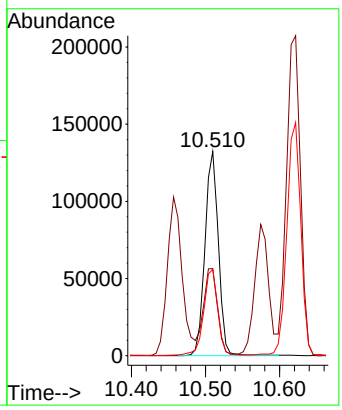




#65
4,6-Dinitro-2-methylphenol
Concen: 59.870 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:198 Resp: 16688

Ion	Ratio	Lower	Upper
198	100		
51	42.6	32.1	72.1
105	42.3	28.5	68.5



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BNA_F
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Upadhyay

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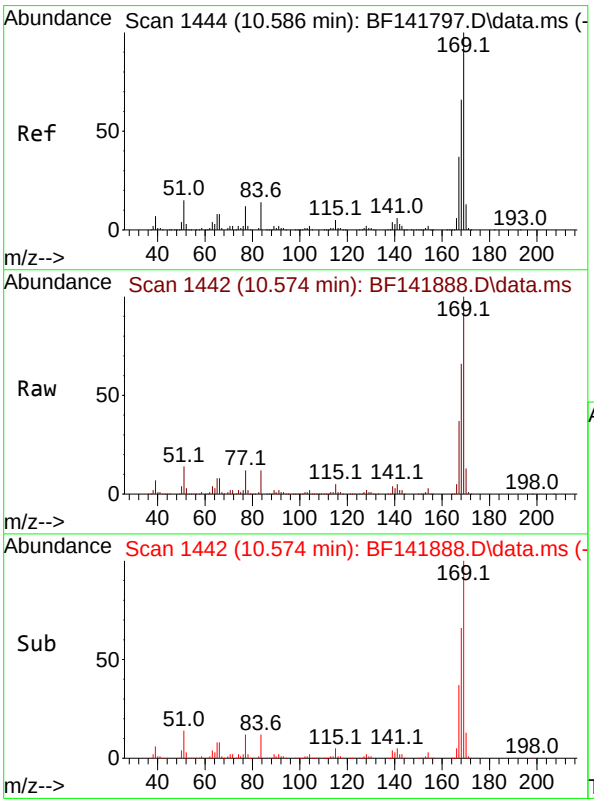
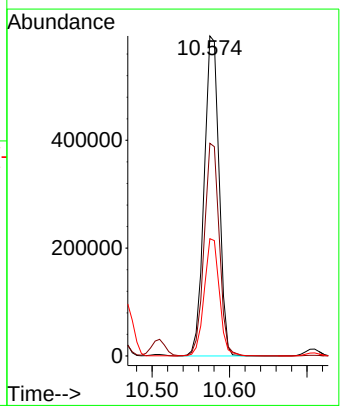
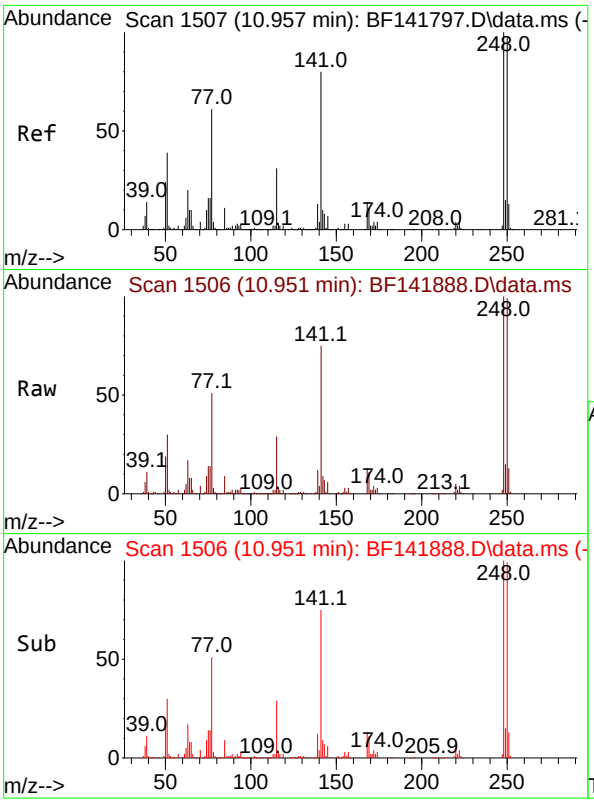


#66
n-Nitrosodiphenylamine
Concen: 42.352 ng
RT: 10.574 min Scan# 1442
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:169 Resp: 791239

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.0	79.6
167	36.7	29.3	43.9

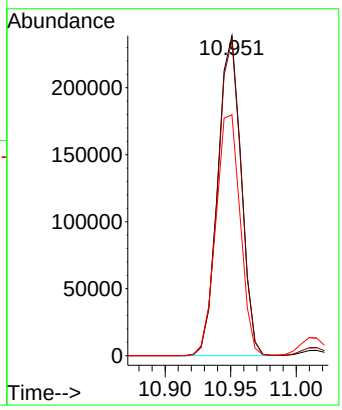




#67
4-Bromophenyl-phenylether
Concen: 44.559 ng
RT: 10.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:248 Resp: 29612

Ion	Ratio	Lower	Upper
248	100		
250	98.6	78.1	117.1
141	75.3	64.3	96.5



Instrument :
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ClientSampleId :
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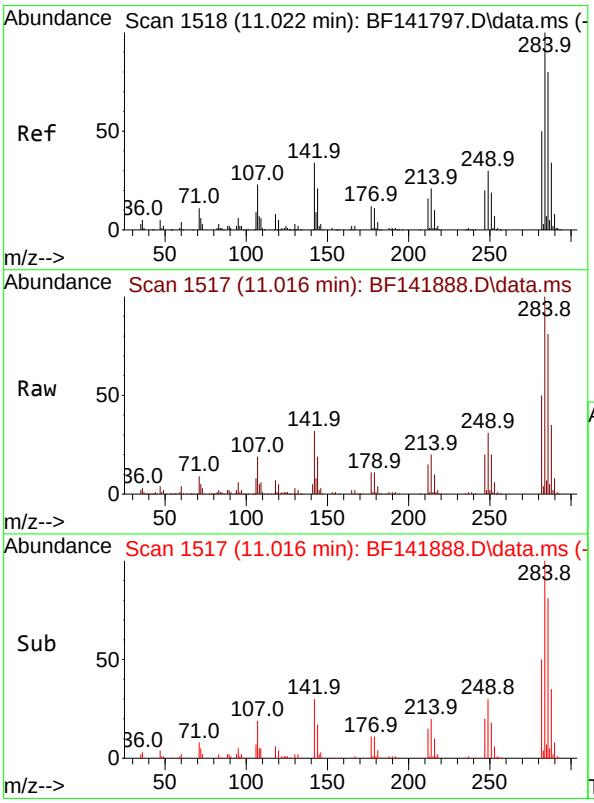
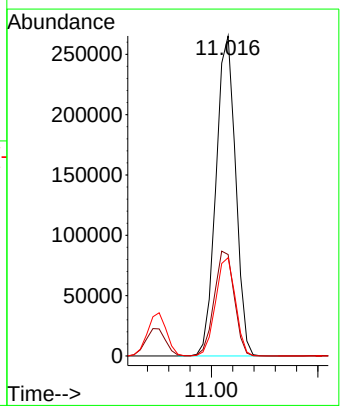
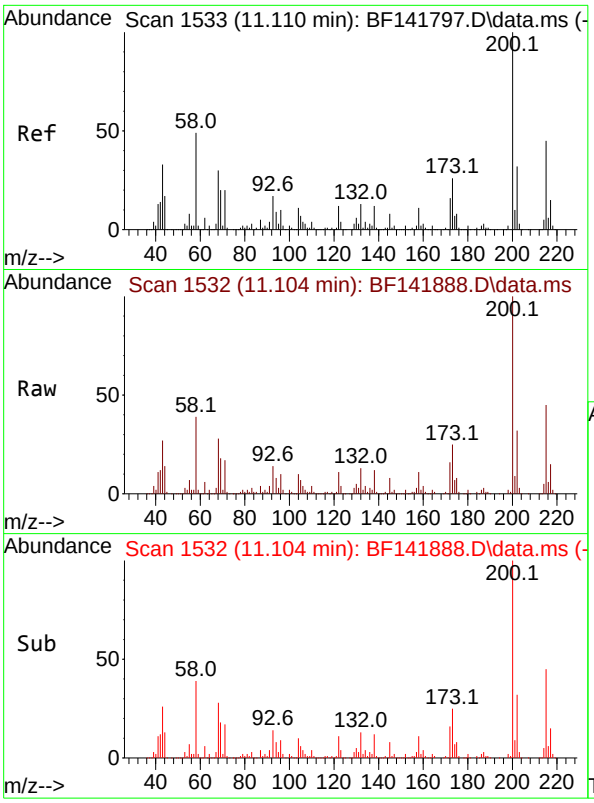


#68
Hexachlorobenzene
Concen: 48.255 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:284 Resp: 338633

Ion	Ratio	Lower	Upper
284	100		
142	31.7	28.2	42.2
249	30.7	25.5	38.3

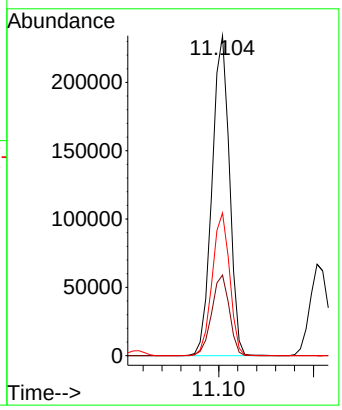




#69
Atrazine
Concen: 58.090 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:200 Resp: 29844

Ion	Ratio	Lower	Upper
200	100		
173	25.2	5.6	45.6
215	44.6	25.3	65.3



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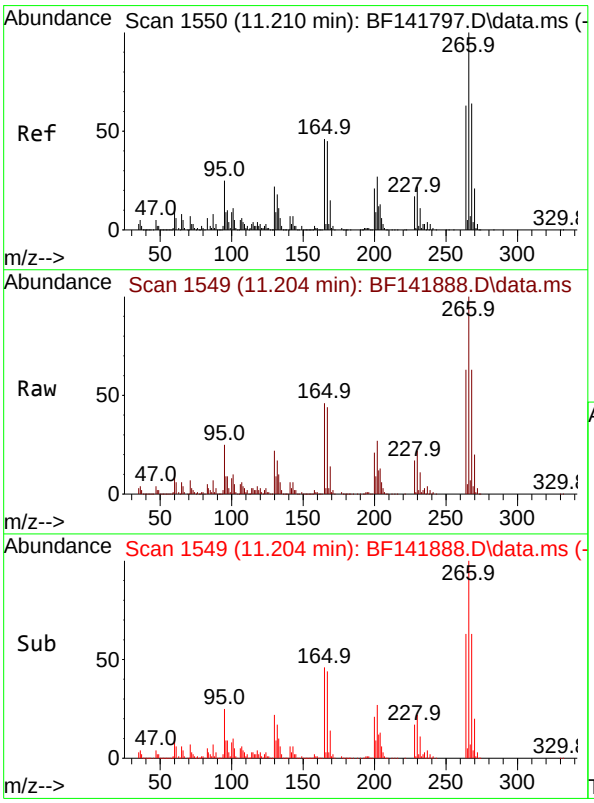
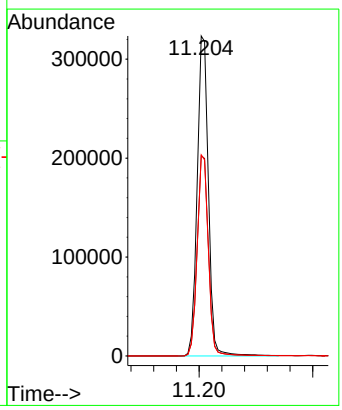
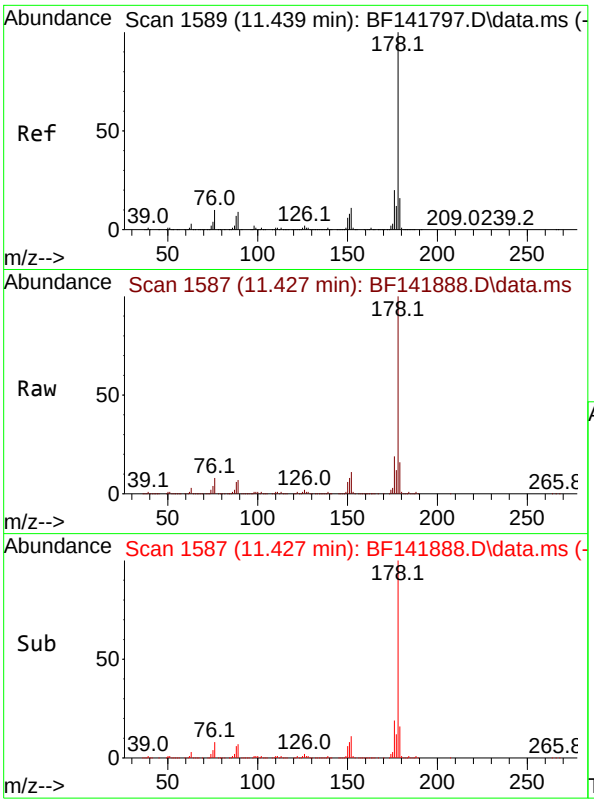


#70
Pentachlorophenol
Concen: 100.037 ng
RT: 11.204 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:266 Resp: 445248

Ion	Ratio	Lower	Upper
266	100		
268	62.6	50.9	76.3
264	62.8	50.2	75.4

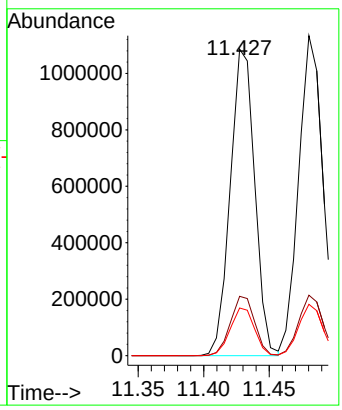




#71
Phenanthrene
Concen: 46.475 ng
RT: 11.427 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:178 Resp: 141438

Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.0	24.0
179	15.6	12.6	19.0



Instrument :
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ClientSampleId :
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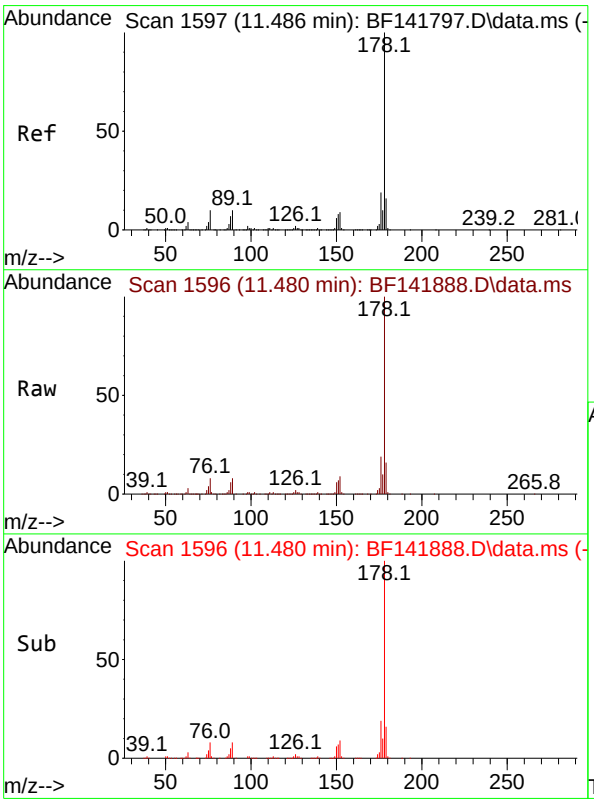
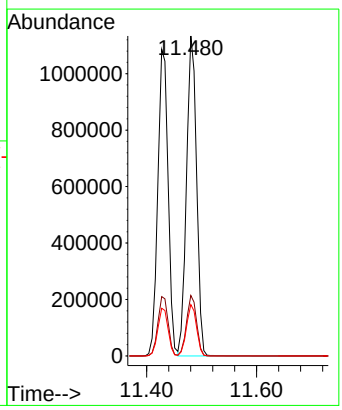
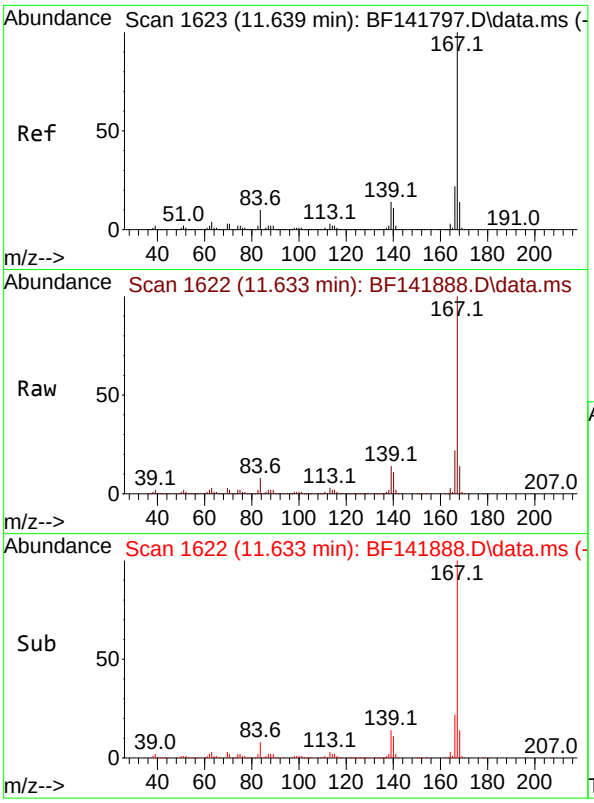


#72
Anthracene
Concen: 47.268 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:178 Resp: 1441729

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	16.0	12.8	19.2

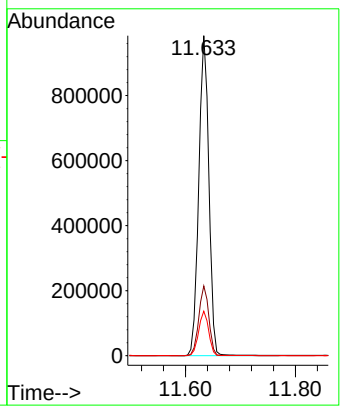




#73
Carbazole
Concen: 46.679 ng
RT: 11.633 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:167 Resp: 125728

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.5	26.3
139	13.9	11.3	16.9



Instrument :
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ClientSampleId :
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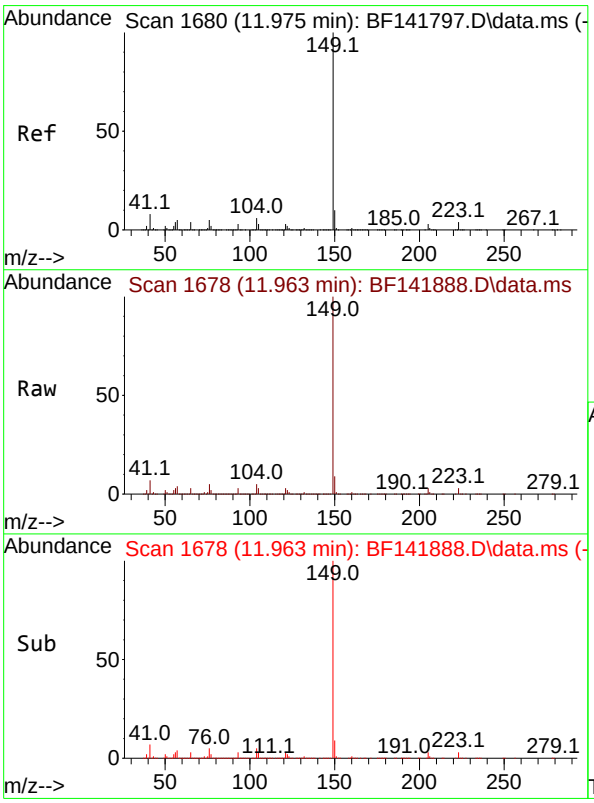
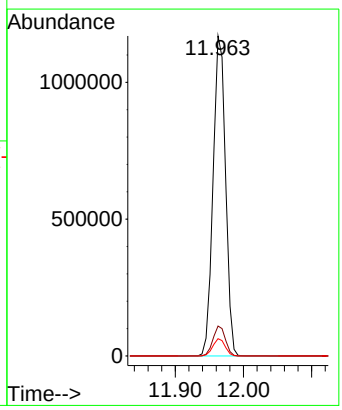
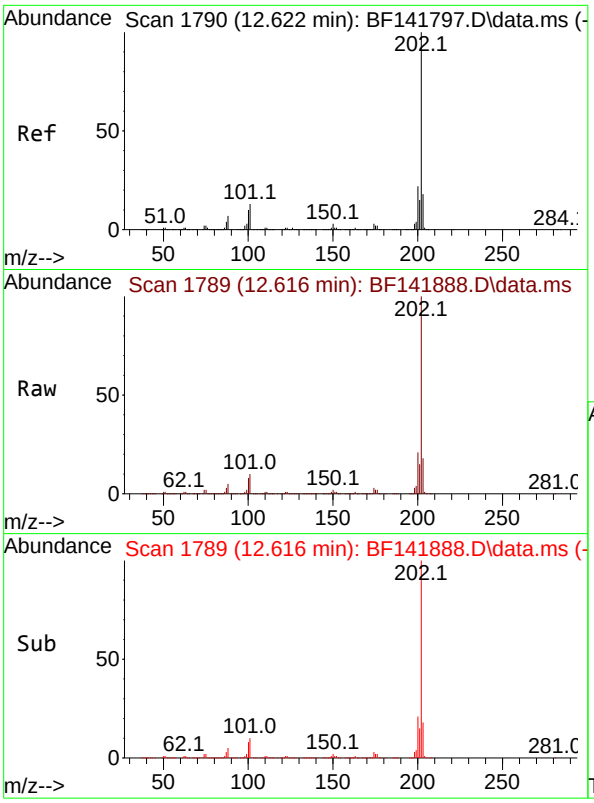


#74
Di-n-butylphthalate
Concen: 43.590 ng
RT: 11.963 min Scan# 1678
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:149 Resp: 1488257

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.7	11.5
104	5.4	4.4	6.6

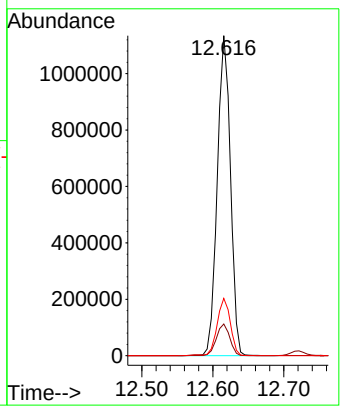




#75
Fluoranthene
Concen: 46.638 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:202 Resp: 145437

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	32.8
203	17.9	0.0	38.0



Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MSD

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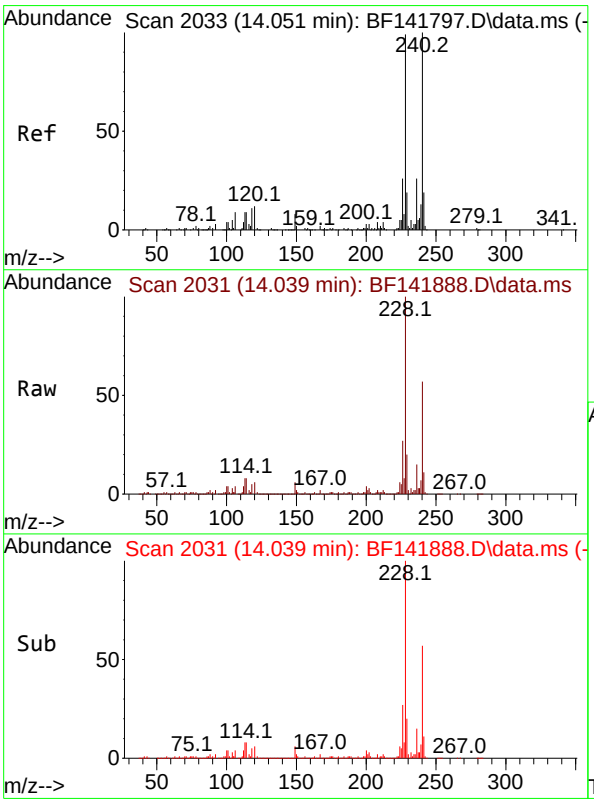
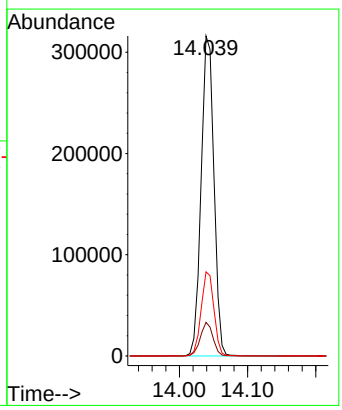
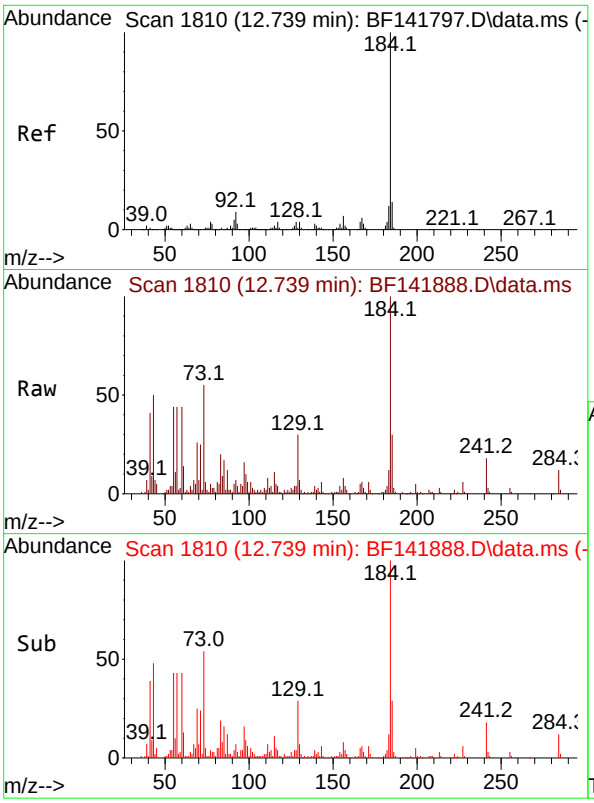


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:240 Resp: 412687

Ion	Ratio	Lower	Upper
240	100		
120	10.5	9.7	14.5
236	26.3	21.0	31.4

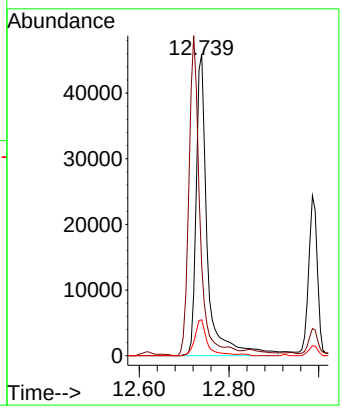




#77
Benzidine
Concen: 15.466 ng
RT: 12.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:184 Resp: 8033

Ion	Ratio	Lower	Upper
184	100		
185	29.8	11.6	17.4
183	11.9	9.4	14.0



Instrument :
BNA_F
ClientSampleId :
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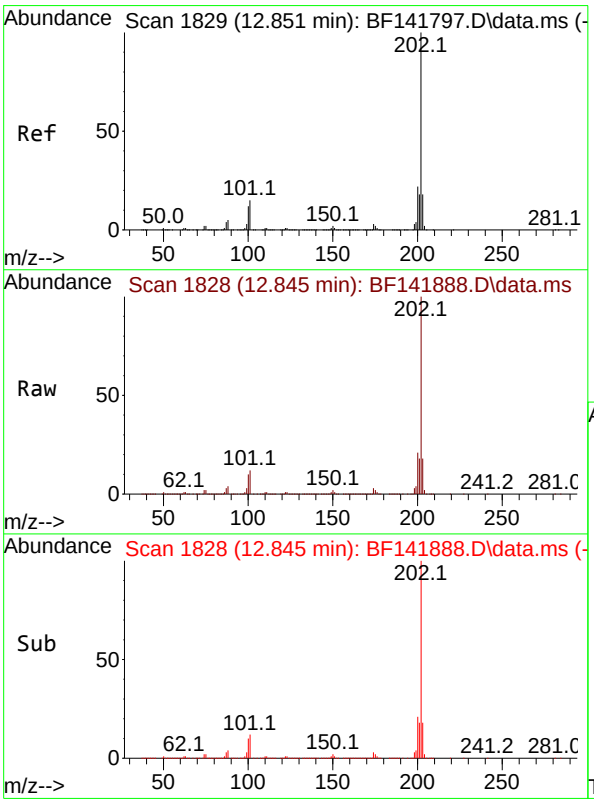
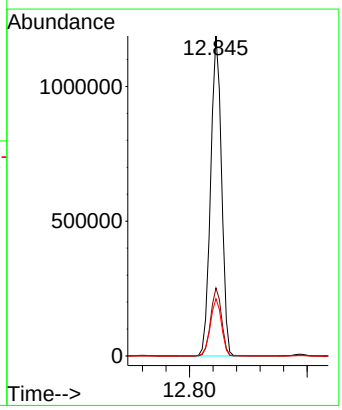
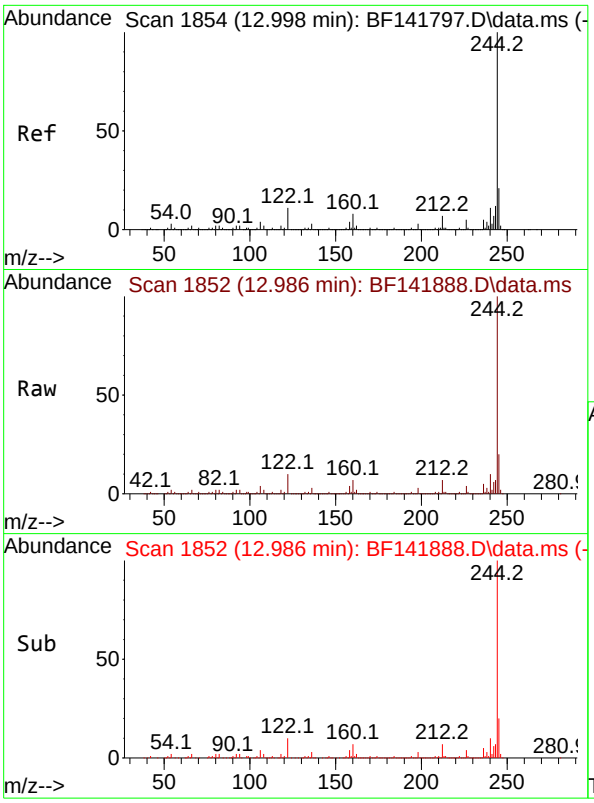


#78
Pyrene
Concen: 42.820 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:202 Resp: 1530210

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.0
203	17.9	14.6	22.0

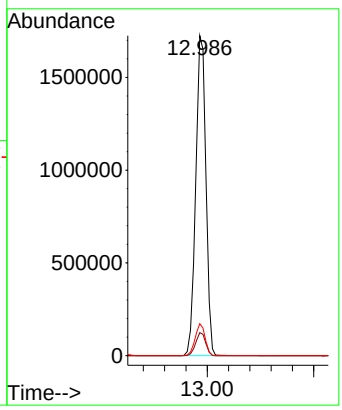




#79
Terphenyl-d14
Concen: 89.561 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:244 Resp: 228445

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	10.0	9.0	13.6



Instrument :
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ClientSampleId :
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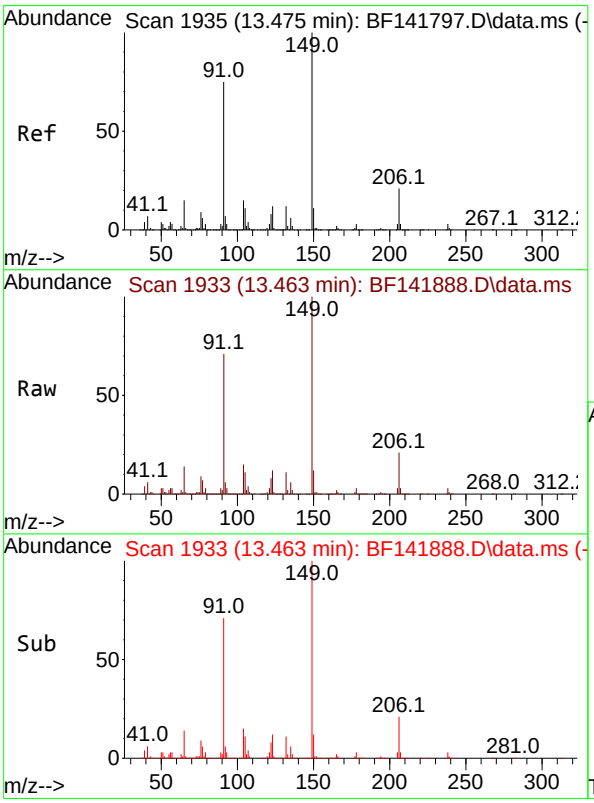
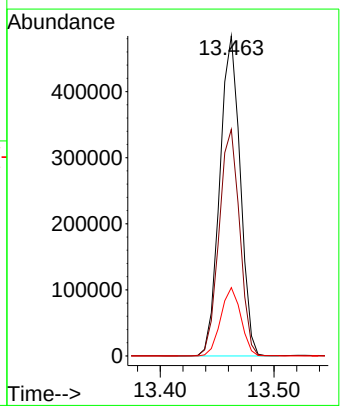
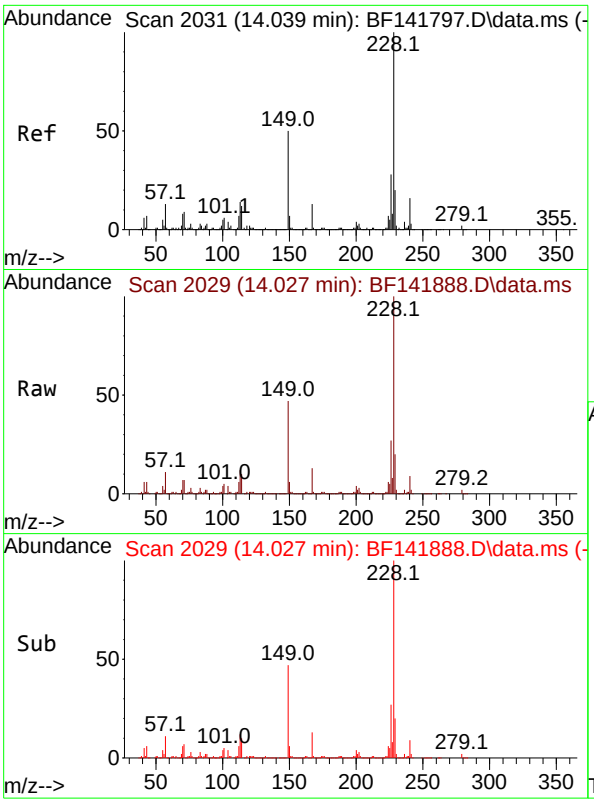


#80
Butylbenzylphthalate
Concen: 46.619 ng
RT: 13.463 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:149 Resp: 605284

Ion	Ratio	Lower	Upper
149	100		
91	70.8	60.1	90.1
206	21.3	16.8	25.2

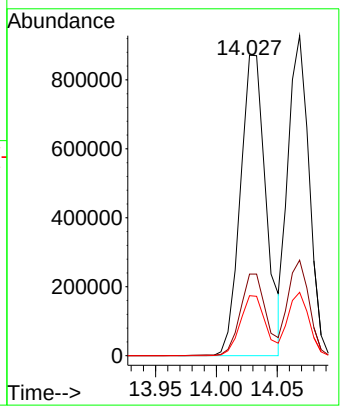




#81
Benzo(a)anthracene
Concen: 46.878 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:228 Resp: 127783

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.1	33.1
229	20.0	16.1	24.1



Instrument :
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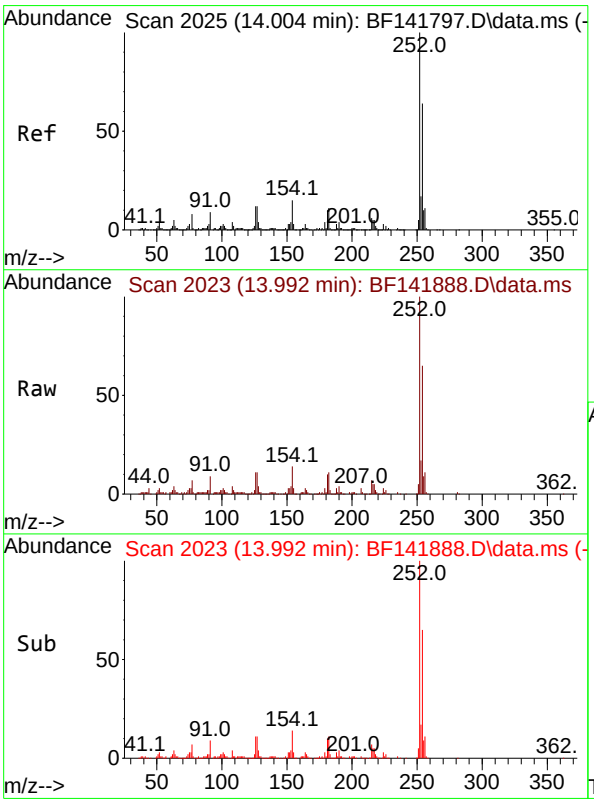
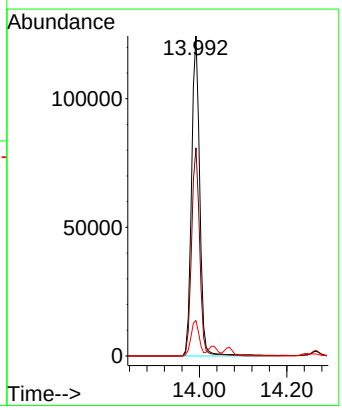
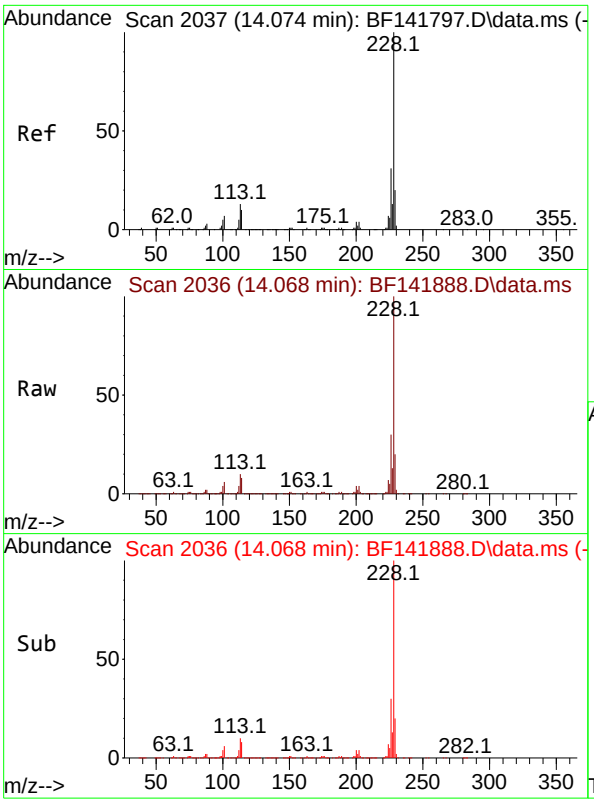


#82
3,3'-Dichlorobenzidine
Concen: 20.757 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:252 Resp: 162331

Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.4	77.0
126	11.0	9.8	14.6

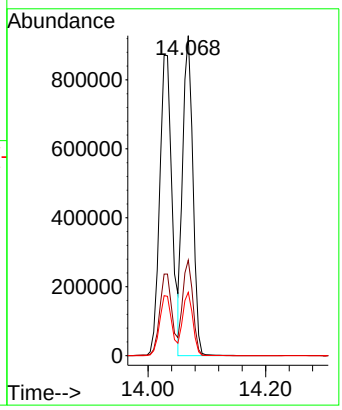




#83
Chrysene
Concen: 44.612 ng
RT: 14.068 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:228 Resp: 112099

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.6	37.0
229	19.8	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
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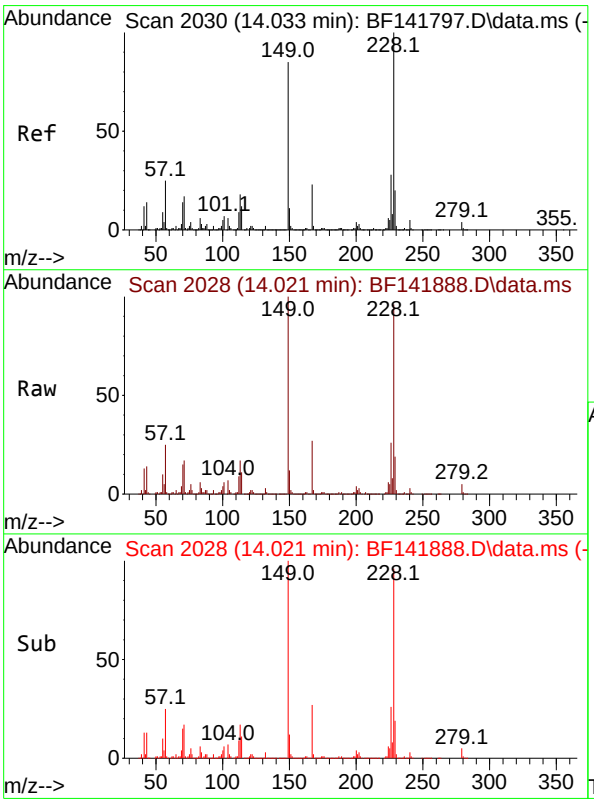
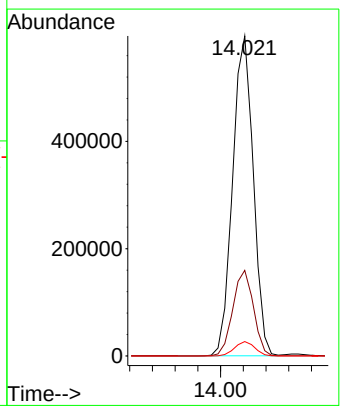
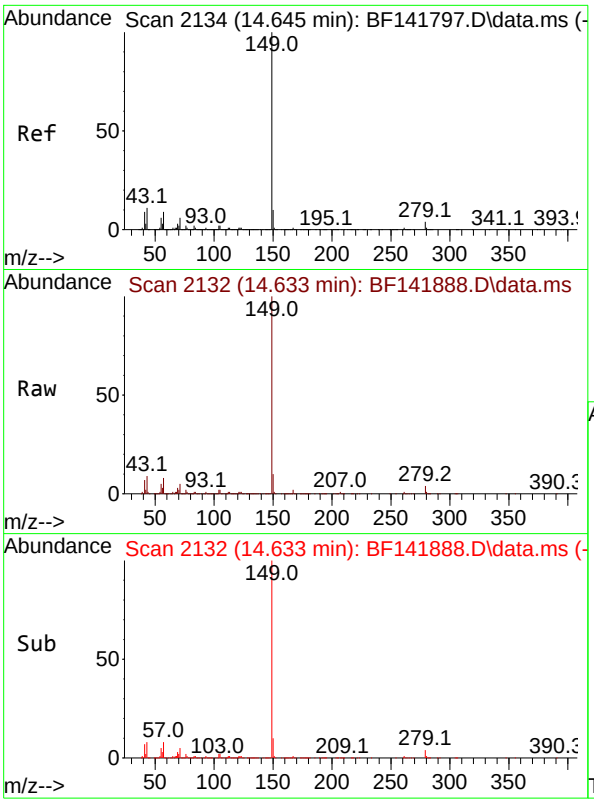


#84
Bis(2-ethylhexyl)phthalate
Concen: 46.528 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:149 Resp: 752209

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.2	31.8
279	4.5	3.3	4.9

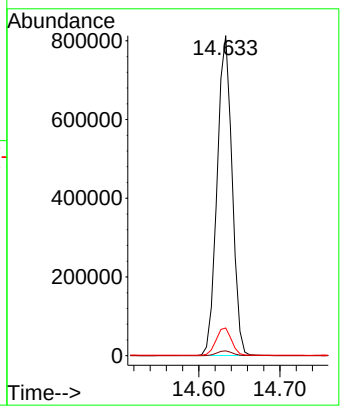




#85
Di-n-octyl phthalate
Concen: 43.097 ng
RT: 14.633 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:149 Resp: 104308

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	8.8	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MSD

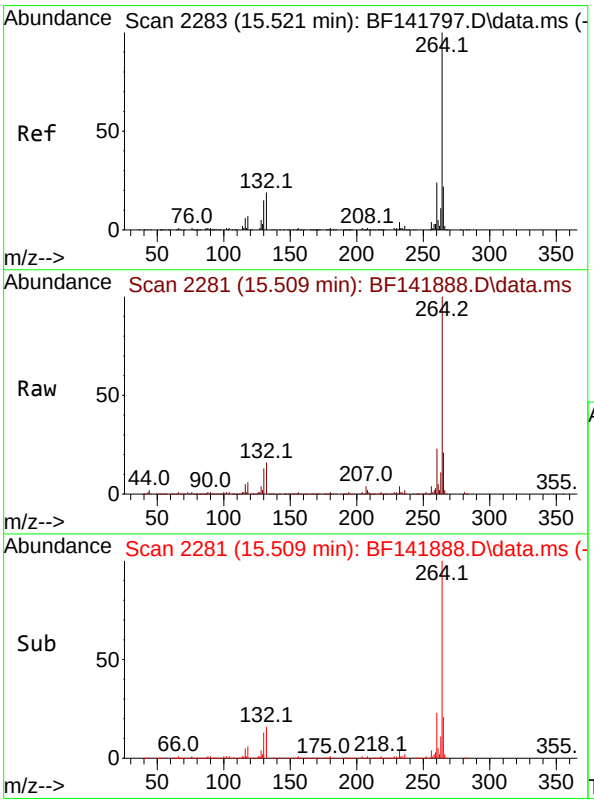
Manual Integrations APPROVED

Reviewed By :Anahy Claudio

03/10/2025

Supervised By :Jagrut Upadhyay

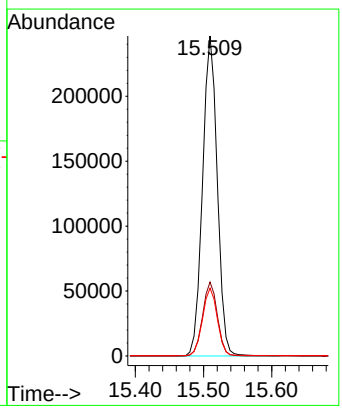
03/10/2025

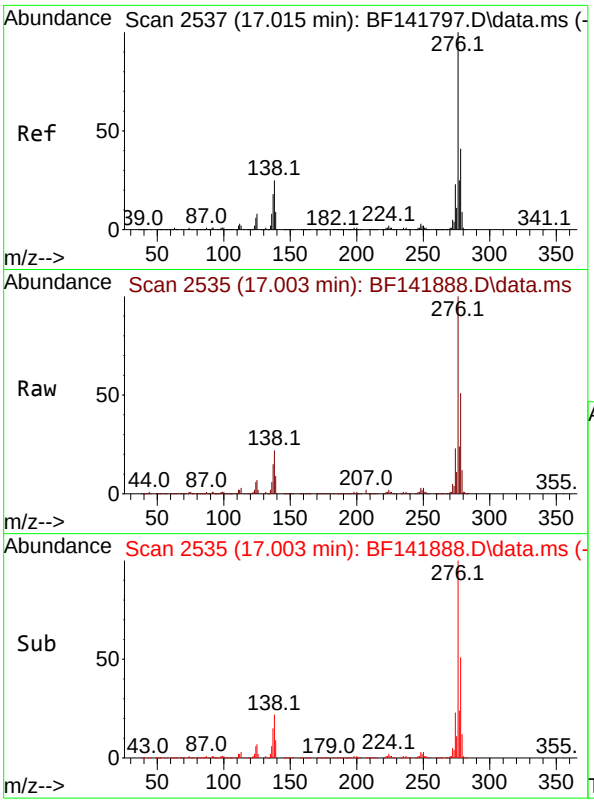


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:264 Resp: 369642

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.9	28.3
265	21.2	17.4	26.0

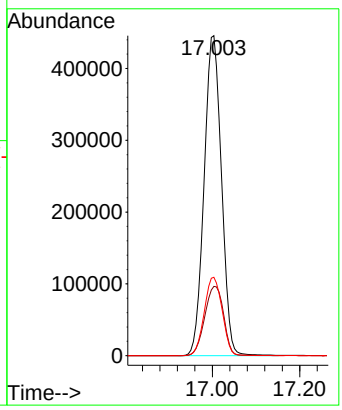




#87
Indeno(1,2,3-cd)pyrene
Concen: 52.351 ng
RT: 17.003 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:276 Resp: 123222

Ion	Ratio	Lower	Upper
276	100		
138	23.5	22.5	33.7
277	25.3	20.3	30.5



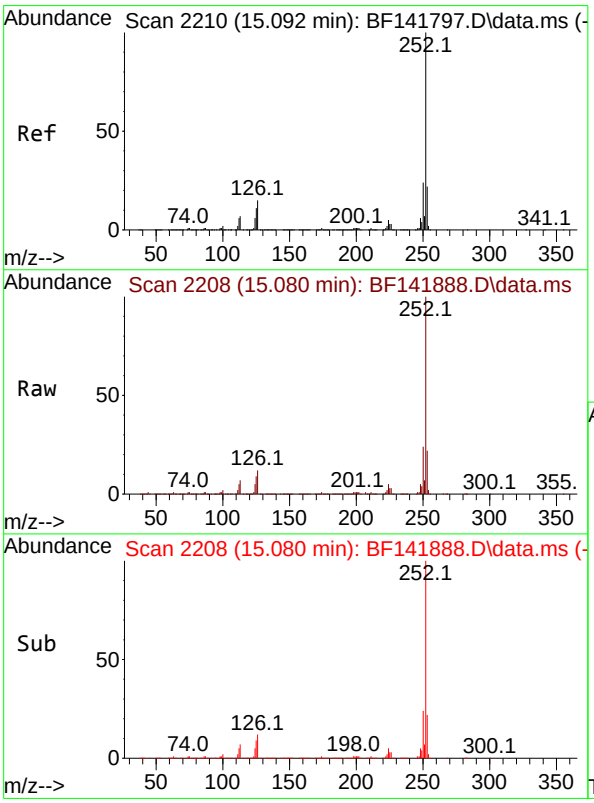
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MSD

Manual Integrations
APPROVED

Reviewed By :Anahy
Claudio

03/10/2025
Supervised By :Jagrut
Upadhyay

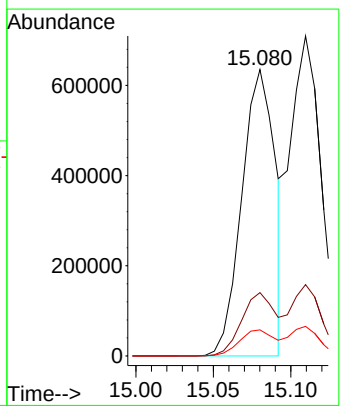
03/10/2025

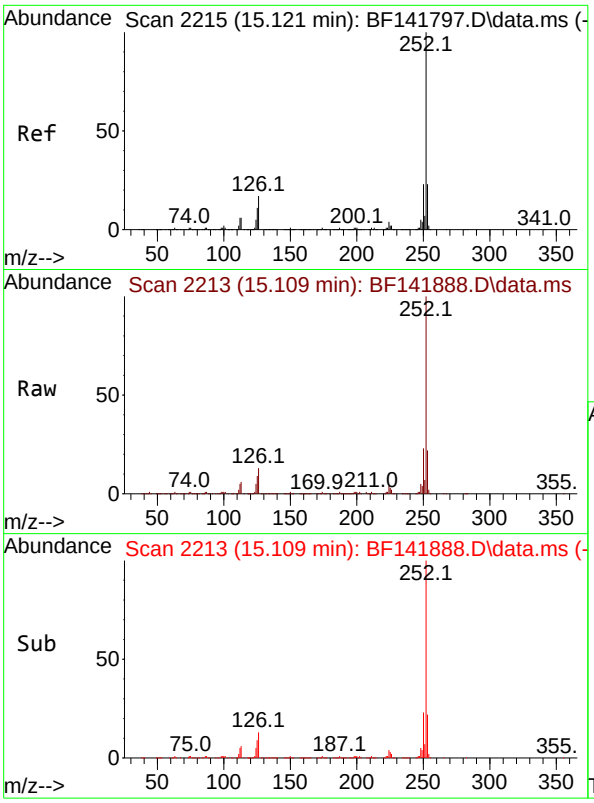


#88
Benzo(b)fluoranthene
Concen: 37.779 ng
RT: 15.080 min Scan# 2208
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:252 Resp: 951233

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.1	8.6	13.0

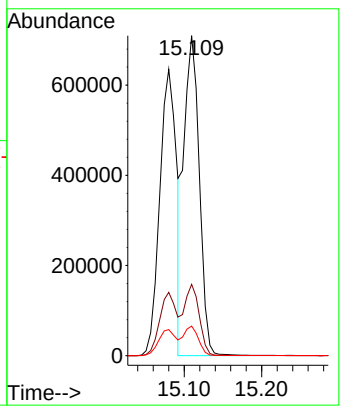




#89
Benzo(k)fluoranthene
Concen: 45.803 ng
RT: 15.109 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:252 Resp: 98024

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	9.3	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MSD

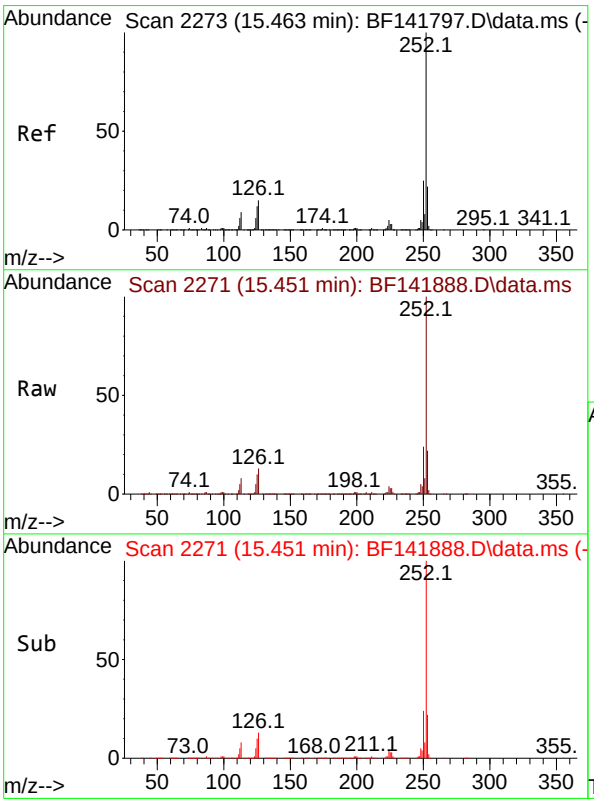
Manual Integrations APPROVED

Reviewed By :Anahy Claudio

03/10/2025

Supervised By :Jagrut Upadhyay

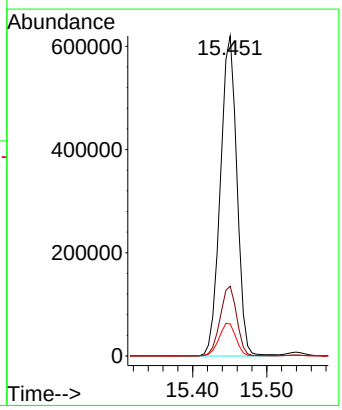
03/10/2025

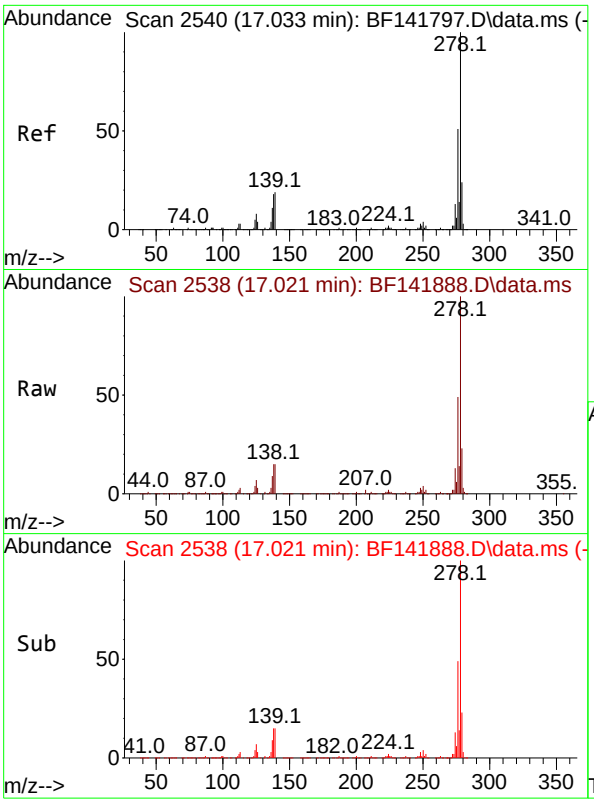


#90
Benzo(a)pyrene
Concen: 47.566 ng
RT: 15.451 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:252 Resp: 960500

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	10.0	9.4	14.2

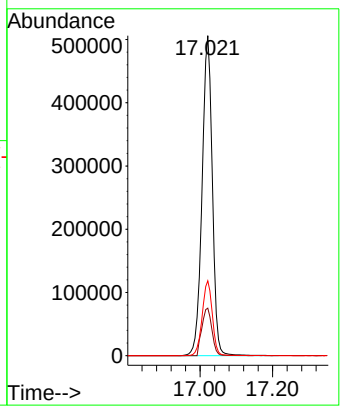




#91
Dibenzo(a,h)anthracene
Concen: 51.721 ng
RT: 17.021 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:278 Resp: 99371

Ion	Ratio	Lower	Upper
278	100		
139	14.8	14.9	22.3#
279	23.4	19.3	28.9



Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MSD

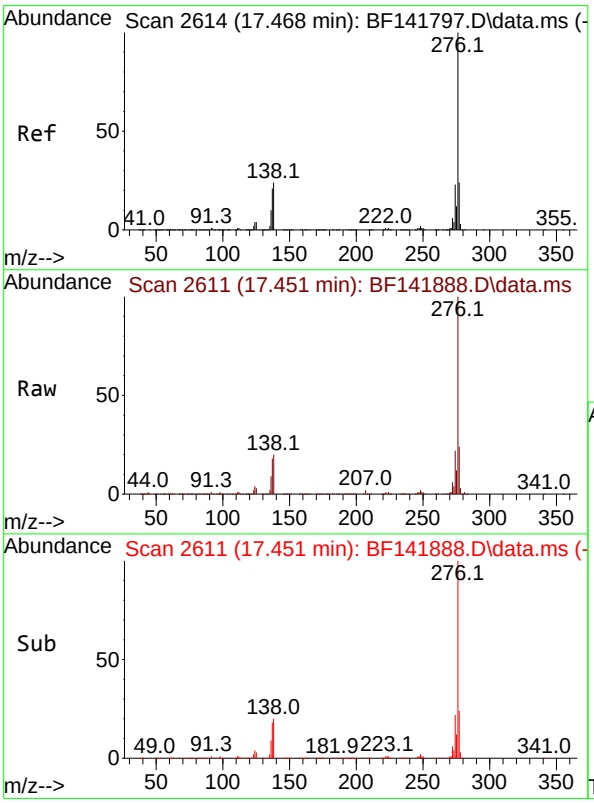
Manual Integrations APPROVED

Reviewed By :Anahy Claudio

03/10/2025

Supervised By :Jagrut Upadhyay

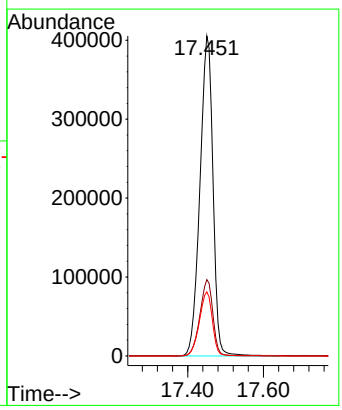
03/10/2025



#92
Benzo(g,h,i)perylene
Concen: 49.156 ng
RT: 17.451 min Scan# 2611
Delta R.T. -0.018 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:276 Resp: 967540

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.4	29.0
138	20.1	19.3	28.9



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

Manual Integration Report

Sequence:	BF022725	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF141794.D	Aniline	yogesh	2/28/2025 7:30:31 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICC005	BF141794.D	Phenol	yogesh	2/28/2025 7:30:31 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICC010	BF141795.D	Phenol	yogesh	2/28/2025 7:30:34 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICC020	BF141796.D	Phenol	yogesh	2/28/2025 7:30:37 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICCC040	BF141797.D	Caprolactam	yogesh	2/28/2025 7:30:40 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICC080	BF141800.D	Aniline	yogesh	2/28/2025 7:30:43 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICC080	BF141800.D	Phenol	yogesh	2/28/2025 7:30:43 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF030725	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB167016BS	BF141884.D	Caprolactam	anahy	3/10/2025 10:10:30 AM	Jagrut	3/10/2025 10:28:20 AM	Peak Integrated by Software
Q1478-13MS	BF141887.D	Caprolactam	anahy	3/10/2025 10:12:37 AM	Jagrut	3/10/2025 10:28:23 AM	Peak Integrated by Software
Q1478-13MSD	BF141888.D	Caprolactam	anahy	3/10/2025 10:13:49 AM	Jagrut	3/10/2025 10:28:25 AM	Peak Integrated by Software

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 # BF022725

Review By	yogesh	Review On	2/28/2025 7:30:58 AM		
Supervise By	mohammad	Supervise On	2/28/2025 7:32:51 AM		
SubDirectory	BF022725	HP Acquire Method	BNA_F	HP Processing Method	bf022725

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141792.D	27 Feb 2025 14:47	RC/JU	Ok
2	SSTDICC2.5	BF141793.D	27 Feb 2025 15:17	RC/JU	Ok
3	SSTDICC005	BF141794.D	27 Feb 2025 15:46	RC/JU	Ok,M
4	SSTDICC010	BF141795.D	27 Feb 2025 16:16	RC/JU	Ok,M
5	SSTDICC020	BF141796.D	27 Feb 2025 16:46	RC/JU	Ok,M
6	SSTDICCC040	BF141797.D	27 Feb 2025 17:16	RC/JU	Ok,M
7	SSTDICC050	BF141798.D	27 Feb 2025 17:46	RC/JU	Ok
8	SSTDICC060	BF141799.D	27 Feb 2025 18:15	RC/JU	Ok
9	SSTDICC080	BF141800.D	27 Feb 2025 18:45	RC/JU	Ok,M
10	SSTDICV040	BF141801.D	27 Feb 2025 19:45	RC/JU	Ok
11	PB166879TB	BF141802.D	27 Feb 2025 20:44	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 # BF030725

Review By	anahy	Review On	3/10/2025 10:26:54 AM				
Supervise By	Jagrut	Supervise On	3/10/2025 12:42:08 PM				
SubDirectory	BF030725	HP Acquire Method	BNA_F		HP Processing Method	bf022725	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141881.D	07 Mar 2025 08:26	RC/JU	Ok
2	SSTDCCC040	BF141882.D	07 Mar 2025 08:56	RC/JU	Ok
3	PB167016BL	BF141883.D	07 Mar 2025 09:26	RC/JU	Ok
4	PB167016BS	BF141884.D	07 Mar 2025 09:55	RC/JU	Ok,M
5	PB166968TB	BF141885.D	07 Mar 2025 10:24	RC/JU	Ok
6	Q1478-13	BF141886.D	07 Mar 2025 11:00	RC/JU	Ok
7	Q1478-13MS	BF141887.D	07 Mar 2025 11:29	RC/JU	Ok,M
8	Q1478-13MSD	BF141888.D	07 Mar 2025 11:59	RC/JU	Ok,M
9	Q1481-02	BF141889.D	07 Mar 2025 12:29	RC/JU	Ok
10	Q1484-01DL	BF141890.D	07 Mar 2025 12:58	RC/JU	Ok,M
11	Q1518-01	BF141891.D	07 Mar 2025 13:28	RC/JU	Ok,M
12	Q1488-02	BF141892.D	07 Mar 2025 18:01	RC/JU	Ok
13	Q1488-02MS	BF141893.D	07 Mar 2025 18:30	RC/JU	Ok,M
14	Q1488-02MSD	BF141894.D	07 Mar 2025 18:59	RC/JU	Ok,M
15	Q1490-02	BF141895.D	07 Mar 2025 19:29	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 # BF022725

Review By	yogesh	Review On	2/28/2025 7:30:58 AM		
Supervise By	mohammad	Supervise On	2/28/2025 7:32:51 AM		
SubDirectory	BF022725	HP Acquire Method	BNA_F	HP Processing Method	bf022725

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141792.D	27 Feb 2025 14:47		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF141793.D	27 Feb 2025 15:17		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF141794.D	27 Feb 2025 15:46	Compound #32,54,65,77 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF141795.D	27 Feb 2025 16:16	Compound #26,32,48,51,53,57,65 Kept on LR and Compound #54 Kept on QR	RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF141796.D	27 Feb 2025 16:46	The Calibration is Fail for Com#77	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF141797.D	27 Feb 2025 17:16	The Calibration is Good For 8270E, 8270 DOD Except com#77 and 625.1 Method Except for Com#77	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF141798.D	27 Feb 2025 17:46		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF141799.D	27 Feb 2025 18:15		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF141800.D	27 Feb 2025 18:45	Compound #69 removed from 80ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBF022725	BF141801.D	27 Feb 2025 19:45	ICV Fail for Com#56,62,77 for DOD and ICV Fail for Com#77 for NON- DOD	RC/JU	Ok
11	PB166879TB	PB166879TB	BF141802.D	27 Feb 2025 20:44		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 # BF030725

Review By	anahy	Review On	3/10/2025 10:26:54 AM		
Supervise By	Jagrut	Supervise On	3/10/2025 12:42:08 PM		
SubDirectory	BF030725	HP Acquire Method	BNA_F	HP Processing Method	bf022725

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141881.D	07 Mar 2025 08:26		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141882.D	07 Mar 2025 08:56		RC/JU	Ok
3	PB167016BL	PB167016BL	BF141883.D	07 Mar 2025 09:26		RC/JU	Ok
4	PB167016BS	PB167016BS	BF141884.D	07 Mar 2025 09:55		RC/JU	Ok,M
5	PB166968TB	PB166968TB	BF141885.D	07 Mar 2025 10:24		RC/JU	Ok
6	Q1478-13	IDW-SO-COMP-022825	BF141886.D	07 Mar 2025 11:00		RC/JU	Ok
7	Q1478-13MS	IDW-SO-COMP-022825	BF141887.D	07 Mar 2025 11:29		RC/JU	Ok,M
8	Q1478-13MSD	IDW-SO-COMP-022825	BF141888.D	07 Mar 2025 11:59		RC/JU	Ok,M
9	Q1481-02	WC-K1311	BF141889.D	07 Mar 2025 12:29		RC/JU	Ok
10	Q1484-01DL	TR-OTR-COMP-01DL	BF141890.D	07 Mar 2025 12:58		RC/JU	Ok,M
11	Q1518-01	OILY-DEBRIS-COMP	BF141891.D	07 Mar 2025 13:28	Internal Standard Fail	RC/JU	Ok,M
12	Q1488-02	ENV-101-SB01	BF141892.D	07 Mar 2025 18:01		RC/JU	Ok
13	Q1488-02MS	ENV-101-SB01MS	BF141893.D	07 Mar 2025 18:30		RC/JU	Ok,M
14	Q1488-02MSD	ENV-101-SB01MSD	BF141894.D	07 Mar 2025 18:59		RC/JU	Ok,M
15	Q1490-02	CLAY-SLUDGE-DRUM	BF141895.D	07 Mar 2025 19:29		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB166968

SOP ID : M1311-TCLP-15

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 / T-2

TCLP Filter ID : 115525

Start Prep Date : 03/04/2025 **Time :** 17:00

End Prep Date : 03/05/2025 **Time :** 11:20

Combination Ratio : 20

ZHE Cleaning Batch : N/A

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	WP110802
HCL-TCLP,1N	N/A	WP110803
HNO3-TCLP,1N	N/A	WP110804
pH Strips	W3172.	W1931,W1934,W3171,W3172
pH Strips	W1941,W1942	W3166,W1938,W1939,W1940,
1 Liter Amber	N/A	90424-08
120ml Plastic bottle	N/A	405130101
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. Particle size reduction is mot required. Tumbler T-1 / T-2 checked,30 rpm. Q1489-16 IS USED FOR MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/05/25 12:40	JP / TCLP Room	SLG. AS TEXT
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB166968

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
PB166968TB	LEB968	12	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-2
Q1478-13	IDW-SO-COMP-022825	01	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1480-08	TP-1	02	100.03	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1480-16	TP-2	03	100.04	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1480-24	TP-3	04	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q1480-32	TP-4	05	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q1481-02	WC-K1311	06	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q1484-06	TR-OTR-COMP-01	07	100.03	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q1489-04	TP-1	08	100.04	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1489-08	TP-2	09	100.02	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q1489-12	TP-3	10	100.03	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q1489-16	TP-4	11	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB166968TB	LEB968	N/A	N/A	N/A	N/A	N/A	N/A
Q1478-13	IDW-SO-COMP-022825	N/A	N/A	N/A	N/A	100	N/A
Q1480-08	TP-1	N/A	N/A	N/A	N/A	100	N/A
Q1480-16	TP-2	N/A	N/A	N/A	N/A	100	N/A
Q1480-24	TP-3	N/A	N/A	N/A	N/A	100	N/A
Q1480-32	TP-4	N/A	N/A	N/A	N/A	100	N/A
Q1481-02	WC-K1311	N/A	N/A	N/A	N/A	100	N/A
Q1484-06	TR-OTR-COMP-01	N/A	N/A	N/A	N/A	100	N/A
Q1489-04	TP-1	N/A	N/A	N/A	N/A	100	N/A
Q1489-08	TP-2	N/A	N/A	N/A	N/A	100	N/A
Q1489-12	TP-3	N/A	N/A	N/A	N/A	100	N/A
Q1489-16	TP-4	N/A	N/A	N/A	N/A	100	N/A

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TCLP Fluid Determination

PB166968

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
PB166968TB	LEB968	N/A	N/A	N/A	N/A	#1	4.93
Q1478-13	IDW-SO-COMP-022825	5.02	96.5	7.2	2.5	#1	4.93
Q1480-08	TP-1	5.01	96.5	8.0	3.0	#1	4.93
Q1480-16	TP-2	5.02	96.5	8.2	3.0	#1	4.93
Q1480-24	TP-3	5.03	96.5	7.0	2.5	#1	4.93
Q1480-32	TP-4	5.04	96.5	6.0	2.0	#1	4.93
Q1481-02	WC-K1311	5.02	96.5	7.2	2.5	#1	4.93
Q1484-06	TR-OTR-COMP-01	5.03	96.5	7.2	2.5	#1	4.93
Q1489-04	TP-1	5.02	96.5	6.2	2.0	#1	4.93
Q1489-08	TP-2	5.01	96.5	6.6	2.5	#1	4.93
Q1489-12	TP-3	5.02	96.5	6.6	2.0	#1	4.93
Q1489-16	TP-4	5.03	96.5	6.0	2.0	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q1480 **WorkList ID :** 188002 **Department :** TCLP Extraction **Date :** 03-04-2025 10:00:42

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1478-13	IDW-SO-COMP-022825	Solid	TCLP Extraction	Cool 4 deg C	JACO05	H31	02/28/2025	1311
Q1480-08	TP-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I11	03/03/2025	1311
Q1480-16	TP-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I11	03/03/2025	1311
Q1480-24	TP-3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I11	03/03/2025	1311
Q1480-32	TP-4	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I11	03/03/2025	1311
Q1481-02	WC-K1311	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I11	03/03/2025	1311
Q1484-06	TR-OTR-COMP-01	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	H31	03/04/2025	1311
Q1489-04	TP-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	H31	03/04/2025	1311
Q1489-08	TP-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I22	03/04/2025	1311
Q1489-12	TP-3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I22	03/04/2025	1311
Q1489-16	TP-4	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I22	03/04/2025	1311

Date/Time 03/04/25 16:20
Raw Sample Received by: SB (COC)
Raw Sample Relinquished by: CP SM

Date/Time 03/04/25 18:30
Raw Sample Received by: CP SM
Raw Sample Relinquished by: SB COC

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EXTRACTION LOGPAGE

PB167016

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	03/05/2025
Matrix :	Water			**Extraction Start Time :**	13:00
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	03/05/2025
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	17:55
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	SP6720
Surrogate	1.0ML	100/150 PPM	SP6638
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3878
Baked Na2SO4	N/A	EP2590
H2SO4 1:1	N/A	EP2565
10N NaoH	N/A	EP2559
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted to <2 with 1:1 H2SO4 and > 11 with 10N NaOH, 1.5ML Vial Lot # 2210673.

KD Bath ID:	Water bath -01,02	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/5/25	RS (Ext lab)	Rc/svoc
18:00	**Preparation Group**	**Analysis Group**

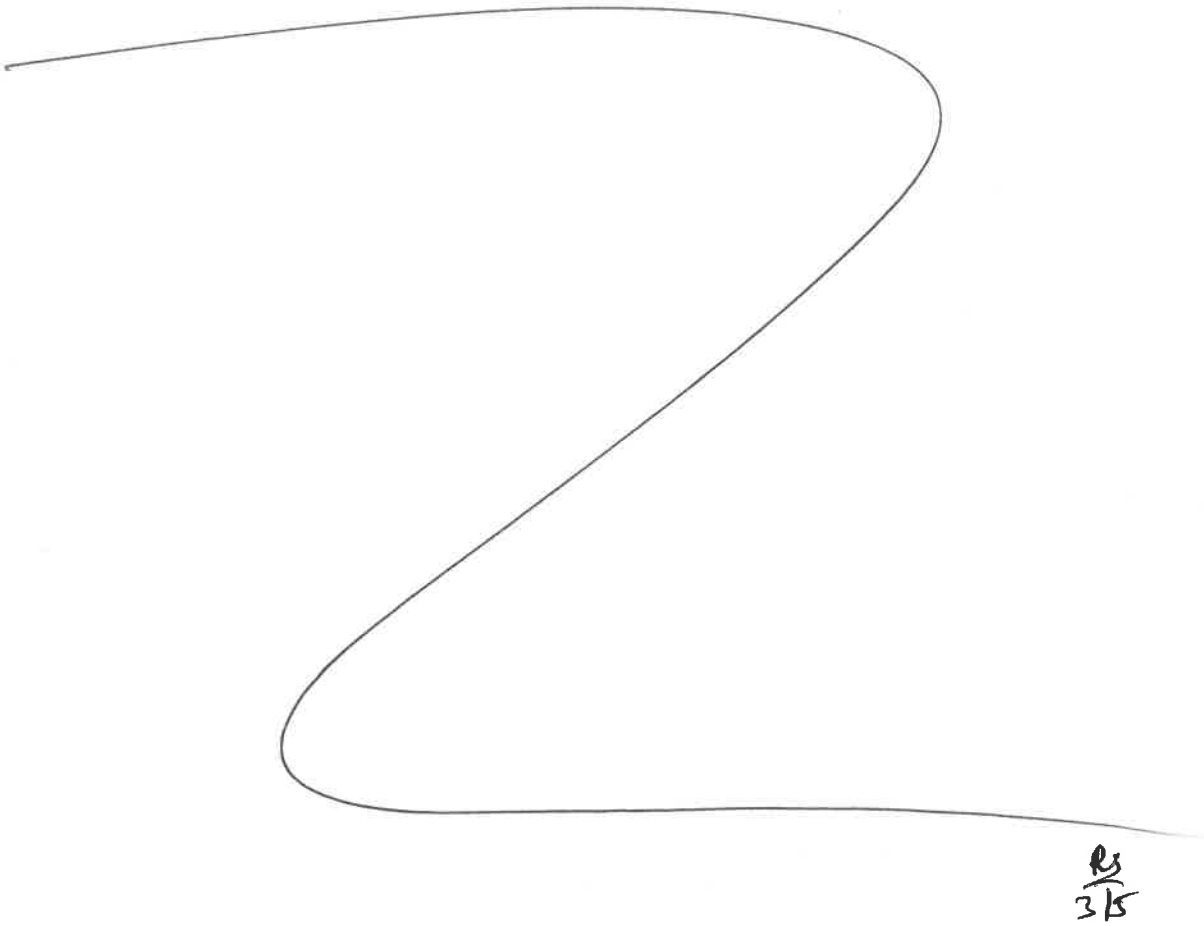
Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167016

Analytical Method: M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 03/05/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166968TB	PB166968TB	TCLP BNA	100	6	RUPESH	ritesh	1			SEP-1
PB167016BL	PB167016BL	TCLP BNA	1000	6	RUPESH	ritesh	1			2
PB167016BS	PB167016BS	TCLP BNA	1000	6	RUPESH	ritesh	1			3
Q1478-13	IDW-SO-COMP-022825	TCLP BNA	100	6	RUPESH	ritesh	1	A		4
Q1478-13MS	IDW-SO-COMP-022825MS	TCLP BNA	100	6	RUPESH	ritesh	1	A		5
Q1478-13MSD	IDW-SO-COMP-022825MSD	TCLP BNA	100	6	RUPESH	ritesh	1	A		6
Q1481-02	WC-K1311	TCLP BNA	100	6	RUPESH	ritesh	1	A		7
Q1484-06	TR-OTR-COMP-01	TCLP BNA	100	6	RUPESH	ritesh	1	A		8



RJ
3/5

* **Extracts relinguished on the same date as received.**

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TCLP EXTRACTION LOGPAGE

PB166968

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
PB166968TB	LEB968	12	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-2
Q1478-13	IDW-SO-COMP-022825	01	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1480-08	TP-1	02	100.03	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1480-16	TP-2	03	100.04	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1480-24	TP-3	04	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q1480-32	TP-4	05	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q1481-02	WC-K1311	06	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q1484-06	TR-OTR-COMP-01	07	100.03	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q1489-04	TP-1	08	100.04	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1489-08	TP-2	09	100.02	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q1489-12	TP-3	10	100.03	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q1489-16	TP-4	11	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-2

03/05/25
12:45

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Prep Standard - Chemical Standard Summary

Order ID : Q1478

Test : TCLP BNA

Prepbatch ID : PB167016,

Sequence ID/Qc Batch ID: BF030725,

Standard ID :
EP2559,EP2565,EP2590,SP6638,SP6685,SP6686,SP6717,SP6720,SP6721,SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729,

Chemical ID :
10ul/1000ul sample,E3551,E3657,E3815,E3828,E3846,E3871,E3874,E3878,M5173,S10104,S10246,S10397,S10584,S10978,S10979,S10980,S11004,S11005,S11006,S11007,S11008,S11009,S11010,S11074,S11087,S11143,S11161,S11487,S11495,S11650,S11781,S11782,S11783,S11784,S11785,S12114,S12142,S12143,S12144,S12145,S12146,S12187,S12188,S12189,S12207,S12208,S12270,S12276,S12327,S12469,S12470,S12471,S12472,S12473,S12474,S12475,S12476,S12477,S12478,S12517,S12518,S12519,S12520,S12521,S12522,S12523,S12524,S12525,S12649,S12653,S12791,S12963,S12964,S12965,S12966,W3112,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1874	10 N SODIUM HYDROXIDE SOLN	EP2559	11/14/2024	05/14/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 11/14/2024

FROM 1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2565	11/20/2024	05/20/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 11/20/2024

FROM 1000.00000ml of M5173 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2590	02/26/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 02/26/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6638	10/10/2024	04/04/2025	Jagrut Upadhyay	None	None	mohammad ahmed 10/18/2024

FROM 1930.00000ml of E3815 + 5.00000ml of S10978 + 5.00000ml of S10979 + 5.00000ml of S10980 + 5.00000ml of S11004 + 5.00000ml of S11005 + 5.00000ml of S11006 + 5.00000ml of S11007 + 5.00000ml of S11008 + 5.00000ml of S11009 + 5.00000ml of S11010 + 5.00000ml of S12187 + 5.00000ml of S12188 + 5.00000ml of S12189 + 5.00000ml of S12207 = Final Quantity: 2000.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6685	11/15/2024	04/10/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.04000ml of S12189 + 0.08000ml of S12208 + 0.10000ml of S11074 + 0.20000ml of S12142 + 0.20000ml of S12469 + 0.20000ml of S12517 + 1.18000ml of E3828 = Final Quantity: 2.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6686	11/15/2024	04/10/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.60000ml of E3828 + 0.40000ml of SP6685 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6717	01/15/2025	03/31/2025	Rahul Chavli	None	None	Yogesh Patel 01/16/2025

FROM 1.00000ml of S10246 + 19.00000ml of E3871 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6720	01/29/2025	04/30/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/06/2025

FROM 0.40000ml of S10397 + 0.40000ml of S10584 + 0.40000ml of S11143 + 0.40000ml of S11487 + 0.40000ml of S11650 + 0.40000ml of S12478 + 0.50000ml of S11781 + 0.50000ml of S12470 + 0.60000ml of S11785 + 0.90000ml of S12518 + 0.90000ml of S12966 + 1.30000ml of S11782 + 1.30000ml of S11783 + 1.30000ml of S11784 + 1.30000ml of S12143 + 1.30000ml of S12144 + 1.30000ml of S12145 + 1.30000ml of S12146 + 1.30000ml of S12471 + 1.30000ml of S12472 + 1.30000ml of S12473 + 1.30000ml of S12474 + 1.30000ml of S12475 + 1.30000ml of S12476 + 1.30000ml of S12477 + 1.30000ml of S12519 + 1.30000ml of S12520 + 1.30000ml of S12521 + 1.30000ml of S12522 + 1.30000ml of S12523 + 1.30000ml of S12524 + 1.30000ml of S12525 + 1.30000ml of S12963 + 1.30000ml of S12964 + 1.30000ml of S12965 + 163.00000ml of E3846 = Final Quantity: 200.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3764	8270/625 Stock solution 100 ng	SP6721	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.26700ml of S10104 + 0.40000ml of S11495 + 0.50000ml of S12114 + 1.00000ml of S11087 + 1.00000ml of S11161 + 1.00000ml of S12270 + 1.00000ml of S12276 + 1.00000ml of S12791 + 3.83300ml of E3874 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
413	80 ng BNA ICC, 80 PPM	SP6722	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.20000ml of E3874 + 0.80000ml of SP6721 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
412	60 ng BNA ICC, 60 PPM	SP6723	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.40000ml of E3874 + 0.60000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
411	50 ng BNA ICC, 50 PPM	SP6724	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6721 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
410	40 ng BNA ICC, 40 PPM	SP6725	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.60000ml of E3874 + 0.40000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3678	20 ng BNA ICC, 20 PPM	SP6726	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.80000ml of E3874 + 0.20000ml of SP6721 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
408	10 ng BNA ICC, 10 PPM	SP6727	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.90000ml of E3874 + 0.10000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
407	5 ng BNA ICC, 5 PPM	SP6728	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.95000ml of E3874 + 0.05000ml of SP6721 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
175	2.5 ng BNA ICC, 2.5 PPM	SP6729	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6728 = Final Quantity: 1.010 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4	23B1556310	12/31/2025	12/04/2023 / Rajesh	12/01/2023 / Rajesh	E3657

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	04/04/2025	10/04/2024 / Rajesh	10/04/2024 / Rajesh	E3815

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24G0862003	05/09/2025	11/09/2024 / Rajesh	11/04/2024 / Rajesh	E3828

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	06/26/2025	12/26/2024 / Rajesh	12/13/2024 / Rajesh	E3846

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	07/14/2025	01/14/2025 / Rajesh	12/27/2024 / Rajesh	E3871

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	07/30/2025	01/30/2025 / Rajesh	01/20/2025 / Rajesh	E3874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	08/14/2025	02/14/2025 / Rajesh	12/27/2024 / Rajesh	E3878

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	0000281827	06/02/2025	06/01/2022 /	04/05/2022 / william	M5173

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	07/30/2025	01/30/2025 / anahy	12/09/2021 / Christian	S10104

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0182667	03/31/2025	01/15/2025 / Rahul	03/18/2022 / Christian	S10246

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0185300	05/31/2025	01/29/2025 / anahy	05/18/2022 / Christian	S10397

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0186373	06/30/2025	01/29/2025 / anahy	07/05/2022 / Christian	S10584

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10978

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10979

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10980

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11004

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11005

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11006

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11007

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11008

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11009

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11010

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0187043	05/15/2025	11/15/2024 / Jagrut	02/06/2023 / Christian	S11074

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	406703	07/30/2025	01/30/2025 / anahy	02/07/2023 / Christian	S11087

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0194702	07/29/2025	01/29/2025 / anahy	02/20/2023 / Christian	S11143

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	06/21/2025	01/30/2025 / anahy	03/06/2023 / Christian	S11161

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0200549	08/31/2026	01/29/2025 / anahy	08/10/2023 / yogesh	S11487

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	506889	05/12/2025	11/12/2024 / Jagrut	08/11/2023 / Yogesh	S11495

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	07/29/2025	01/29/2025 / anahy	11/09/2023 / Yogesh	S11650

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	06/26/2025	12/26/2024 / Jagrut	11/21/2023 / Rahul	S11781

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11782

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11783

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11784

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11785

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	05/12/2025	11/12/2024 / Jagrut	03/08/2024 / Rahul	S12114

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12142

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	01/29/2025 / anahy	03/15/2024 / Rahul	S12143

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	01/29/2025 / anahy	03/15/2024 / Rahul	S12144

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	01/29/2025 / anahy	03/15/2024 / Rahul	S12145

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	01/29/2025 / anahy	03/15/2024 / Rahul	S12146

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12187

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12188

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12189

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12207

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	05/15/2025	11/15/2024 / Jagrut	03/15/2024 / Rahul	S12208

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	520963	07/30/2025	01/30/2025 / anahy	05/24/2024 / Rahul	S12270

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	05/12/2025	11/12/2024 / Jagrut	05/24/2024 / Rahul	S12276

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0206540	05/12/2025	11/12/2024 / anahy	05/30/2024 / Rahul	S12327

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12469

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	05/26/2025	11/26/2024 / Jagrut	07/23/2024 / RAHUL	S12470

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12471

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12472

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12473

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12474

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12475

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12476

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12477

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12478

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12517

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/03/2025	01/03/2025 / Jagrut	07/23/2024 / RAHUL	S12518

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12519

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12520

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12521

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12522

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12523

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12524

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12525

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	07/21/2025	01/21/2025 / anahy	09/20/2024 / anahy	S12649

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	08/25/2025	02/25/2025 / anahy	09/20/2024 / anahy	S12653

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	06/21/2025	01/30/2025 / anahy	05/24/2024 / Rahul	S12791

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12963

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12964

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12965

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12966

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

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by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	406703	≤ -10 °C	Methylene Chloride	3/30/2025	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	99.5	74.3.26P	989 ± 7.53

Received on
02/07/23
by
CG

S11084
to
S11088

*Not a certified value

Certified By: _____
Jacob Mulloy
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricllly.

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Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090-04	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d_4	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d6	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Erica Castiglione

Erica Castiglione
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received on 03/08/22 by CG S10242 to S10247

Catalog No. : 31615 **Lot No.:** A0182667

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Pentachlorophenol **CAS #** 87-86-5 (Lot 211229RSR) **Purity** 99%	1,003.6 µg/mL	+/- 5.8897 µg/mL +/- 45.7132 µg/mL +/- 66.0037 µg/mL	Gravimetric Unstressed Stressed
2	DFTPP (Decafluorotriphenylphosphine) **CAS #** 5074-71-5 (Lot Q117-147) **Purity** 95%	1,006.6 µg/mL	+/- 5.9074 µg/mL +/- 45.8508 µg/mL +/- 66.2023 µg/mL	Gravimetric Unstressed Stressed
3	Benzidine **CAS #** 92-87-5 (Lot 211228JLM) **Purity** 99%	1,008.4 µg/mL	+/- 5.9179 µg/mL +/- 45.9318 µg/mL +/- 66.3193 µg/mL	Gravimetric Unstressed Stressed
4	4,4'-DDT **CAS #** 50-29-3 (Lot 210916JLM) **Purity** 99%	1,007.6 µg/mL	+/- 5.9132 µg/mL +/- 45.8954 µg/mL +/- 66.2667 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

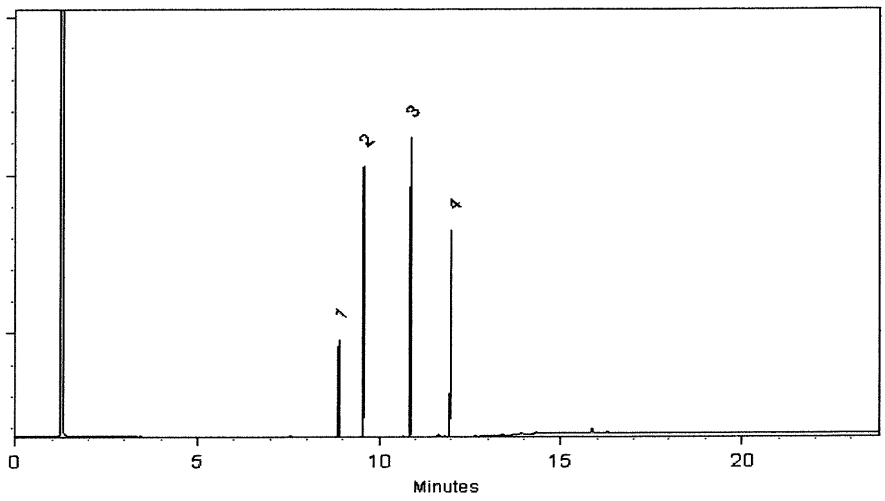
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 08-Mar-2022 **Balance:** B345965662

Merlina Cowan - Operations Tech I

Date Passed: 10-Mar-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 05/19/22

S10393 to S10402

Catalog No. : 555871 **Lot No.:** A0185300

Description : Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2025 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	4-Nitrophenol	25,060.0 µg/mL	+/- 231.9100 µg/mL	Gravimetric
	CAS # 100-02-7 (Lot MKCN1089)		+/- 753.2622 µg/mL	Unstressed
	Purity 99%		+/- 905.6020 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Katelyn McGinnis - Operations Tech I

Date Mixed: 16-May-2022 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015
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Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by
CG
on
07/05/22
S 10583
to
S 10592

Catalog No. : 555868 **Lot No.:** A0186373

Description : Custom Benzidine Standard

Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Benzidine	25,200.0 µg/mL	+/- 233.2055 µg/mL	Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 351.6606 µg/mL	Unstressed
	Purity 99%		+/- 512.6054 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 16-Jun-2022 **Balance:** 1122030677

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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Received on 02/06/23 by CG

S11071 to S11075

Catalog No. : 31853 **Lot No.:** A0187043

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,4-Dioxane	2,019.0 µg/mL	+/- 11.8486	µg/mL	Gravimetric
	CAS # 123-91-1 (Lot SHBN5929)		+/- 43.2570	µg/mL	Unstressed
	Purity 99%		+/- 44.5129	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

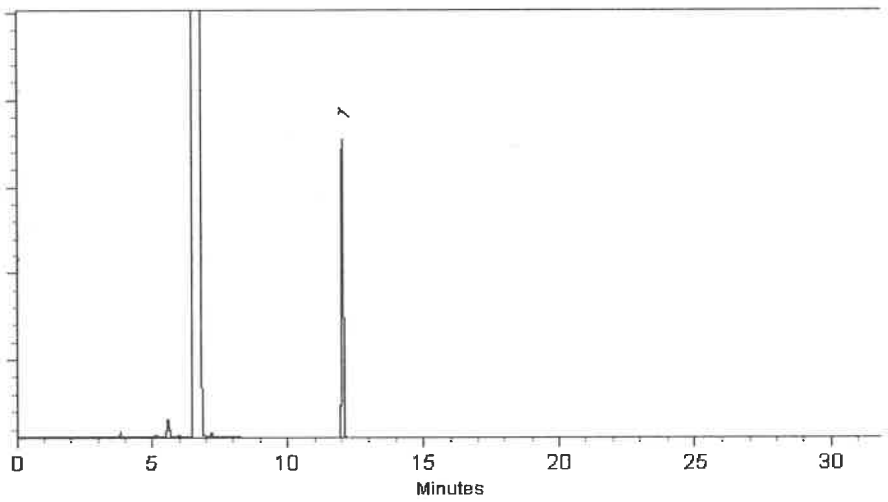
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 07-Jul-2022 **Balance:** 1128360905

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 12-Jul-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

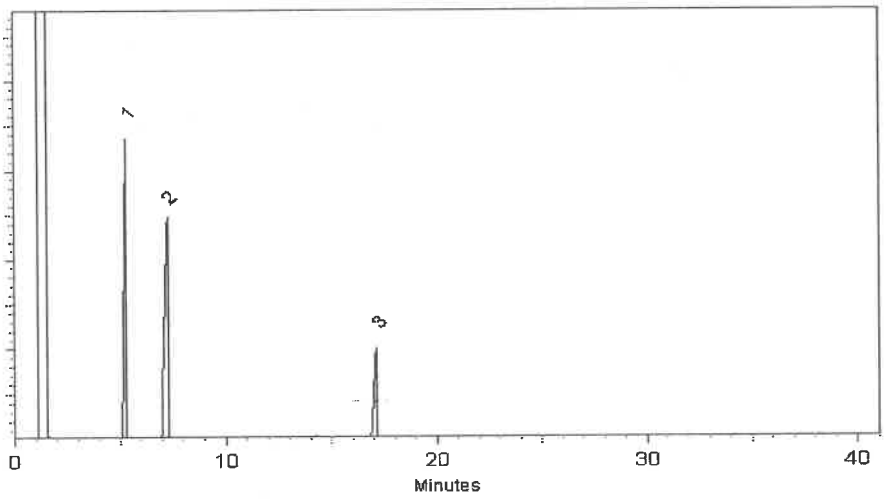
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

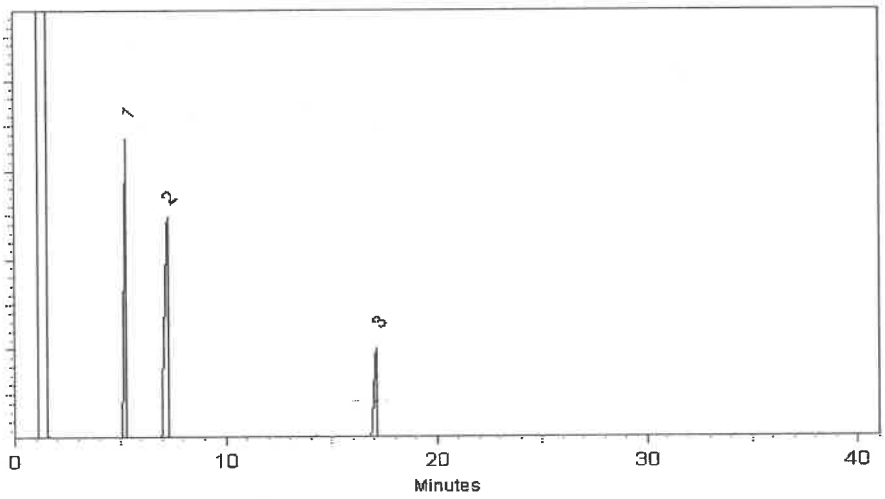
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

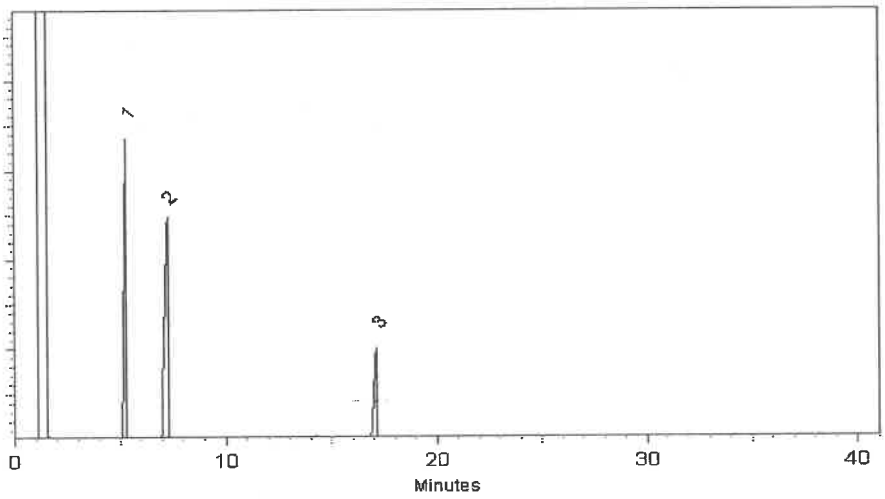
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

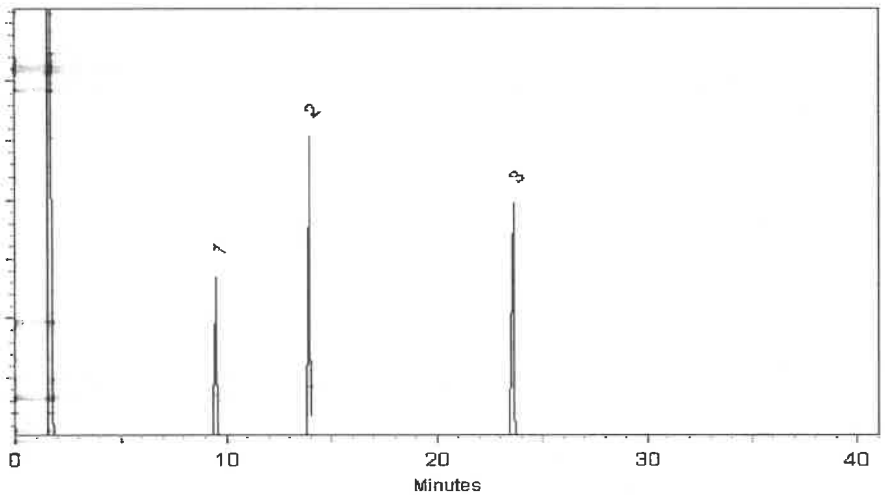
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

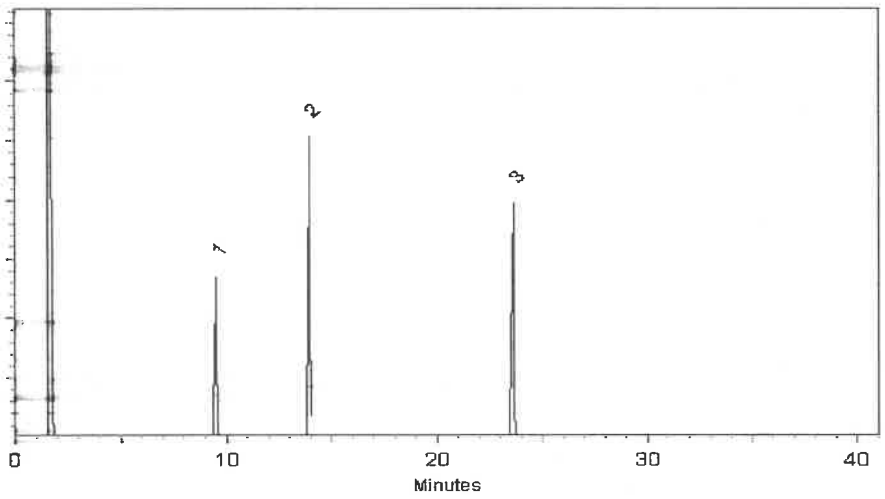
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

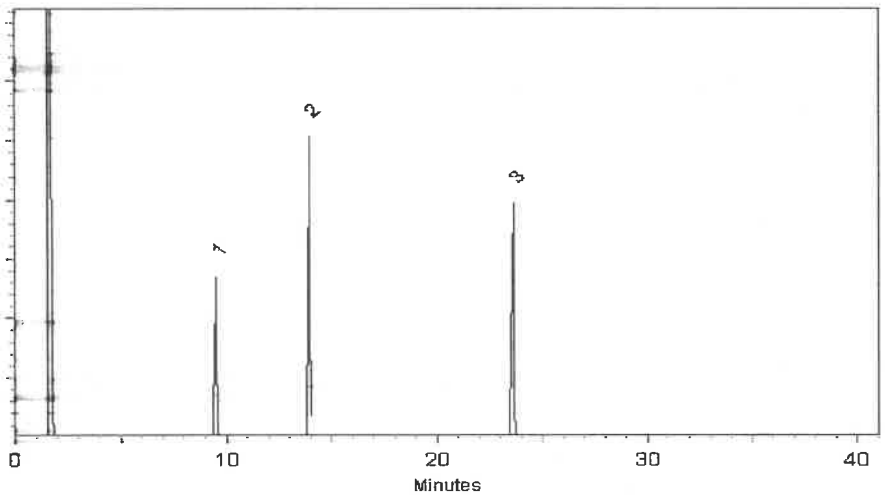
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

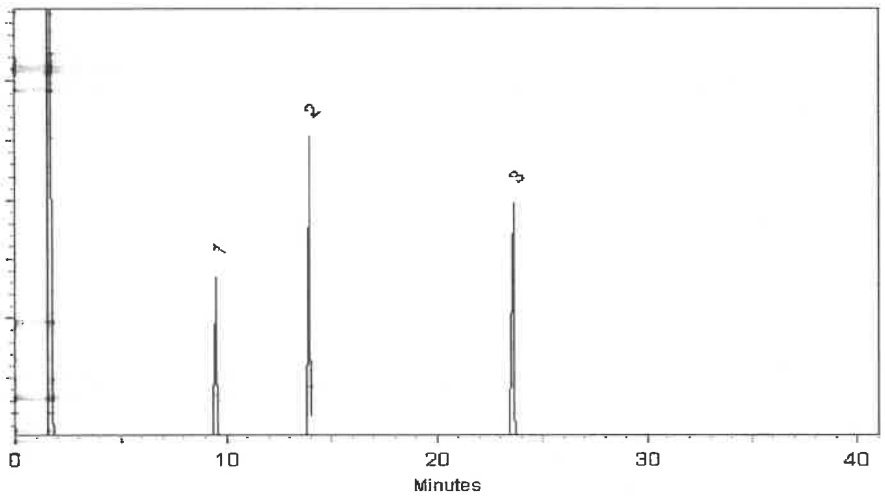
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
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Det. Type:
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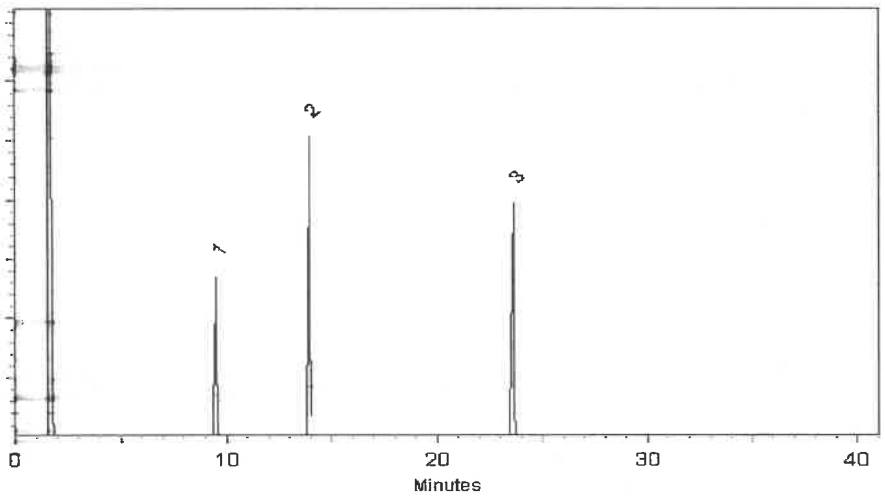

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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
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3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
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Det. Temp:
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Det. Type:
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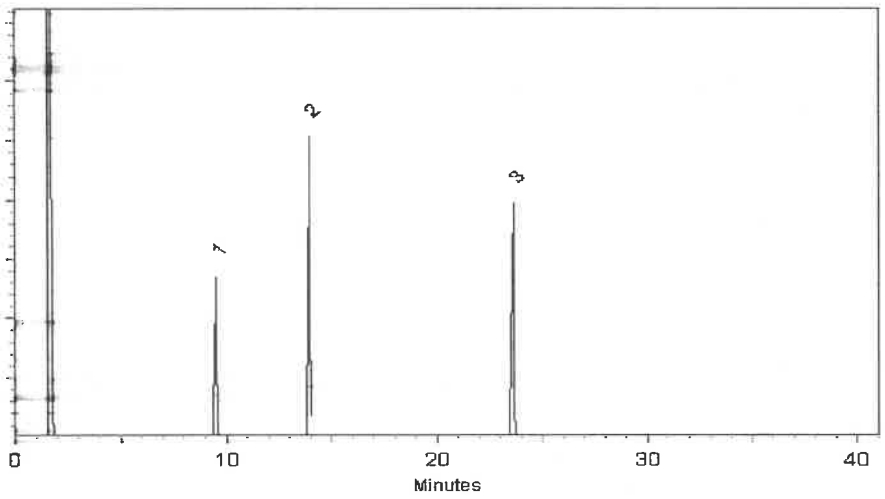

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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

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Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

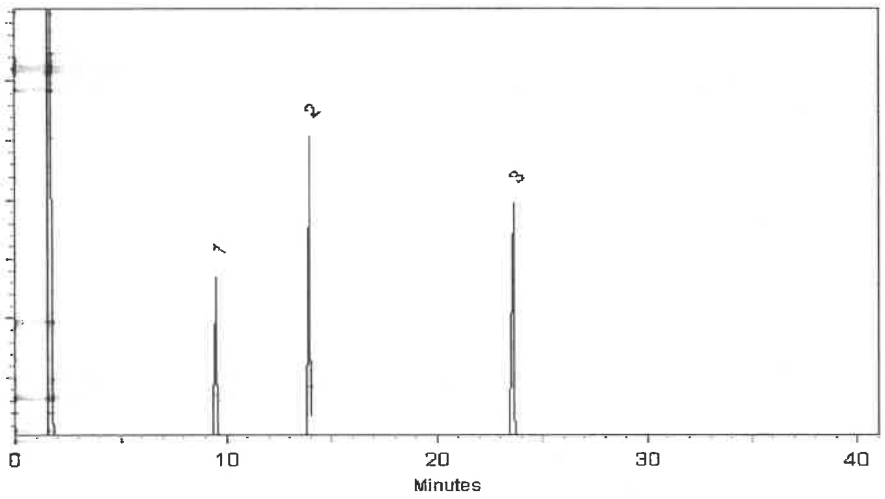
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** A0194702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	Hexachlorocyclopentadiene	77-47-4	0012019	99%	25,008.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek Registered Quality Certificate #FM

tified Reference Material Notes

:es:

n date valid for unopened ampul stored in compliance with the recommended conditions.

nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

nds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the mpound in solution.

isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

rtainty Value Notes:

rtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded ty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability ty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

erage factor of 2, which gives a level of confidence of approximately 95%.

ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure nimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability ı, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with ards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, des complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RB on 7/24/23 E3551

VWR®

Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Pellets

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 0.003 %	<0.003 %	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

E 3657	E 3659
E 3654	E 3660

PO: PO2-329 PRODUCT CODE: SHIP DATE: 9/30/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3815

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24J0862003
Manufactured Date: 2024-09-12
Expiration Date:2025-12-12
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	2
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3828

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 12/13/24

E 3846

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

12/9-1/24

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 24K1762005
Manufactured Date: 2024-10-08
Expiration Date:2026-01-07
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	<= 0.3	0.0
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3871

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

PO: PO2-1178.2 PRODUCT CODE: SHIP DATE: 1/20/2025

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3874

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 24K1762005
Manufactured Date: 2024-10-08
Expiration Date:2026-01-07
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	<= 0.3	0.0
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3878

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

Material No.: 9530-33
Batch No.: 0000281827
Manufactured Date: 2021/03/30
Retest Date: 2026/03/29
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %	37.6
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192	1.189
ACS - Bromide (Br)	<= 0.005 %	< 0.005
ACS - Extractable Organic Substances	<= 5 ppm	< 1
ACS - Free Chlorine (as Cl_2)	<= 0.5 ppm	< 0.5
Phosphate (PO_4)	<= 0.05 ppm	< 0.03
Sulfate (SO_4)	<= 0.5 ppm	< 0.3
Sulfite (SO_3)	<= 0.8 ppm	0.3
Ammonium (NH_4)	<= 3 ppm	< 1
Trace Impurities - Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities - Aluminum (Al)	<= 10.0 ppb	0.5
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities - Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities - Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	15.0
Trace Impurities - Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 1.0 ppb	< 0.2

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Material No.: 9530-33
Batch No.: 0000281827

Test	Specification	Result
Trace Impurities - Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities - Gold (Au)	<= 4.0 ppb	3.0
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities - Iron (Fe)	<= 15.0 ppb	1.0
Trace Impurities - Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities - Lithium (Li)	<= 1.0 ppb	< 0.2
Trace Impurities - Magnesium (Mg)	<= 10.0 ppb	< 0.4
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	0.2
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities - Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities - Niobium (Nb)	<= 1.0 ppb	< 0.2
Trace Impurities - Potassium (K)	<= 9.0 ppb	< 2.0
Trace Impurities - Selenium (Se), For Information Only	ppb	1.0
Trace Impurities - Silicon (Si)	<= 100.0 ppb	18.0
Trace Impurities - Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities - Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities - Strontium (Sr)	<= 1.0 ppb	< 0.2
Trace Impurities - Tantalum (Ta)	<= 1.0 ppb	< 0.9
Trace Impurities - Thallium (Tl)	<= 5.0 ppb	< 2.0
Trace Impurities - Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities - Titanium (Ti)	<= 1.0 ppb	< 0.2
Trace Impurities - Vanadium (V)	<= 1.0 ppb	< 0.2
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	0.4
Trace Impurities - Zirconium (Zr)	<= 1.0 ppb	< 0.1

For Laboratory, Research or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

S11484 ↓ S11493 Y.P. 08/10/23

Catalog No. : 555870 **Lot No.:** A0200549

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician

Date Mixed: 02-Aug-2023 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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Certificate of Analysis

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

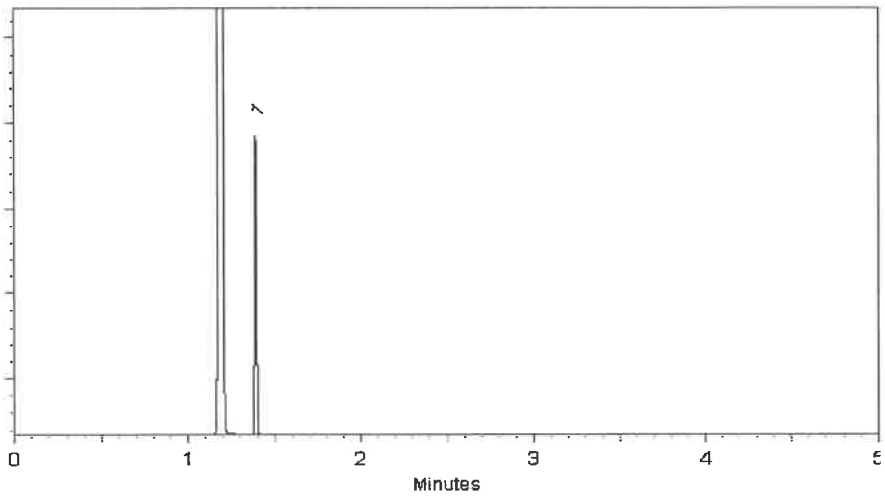
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

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Manufacturing Notes:

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Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

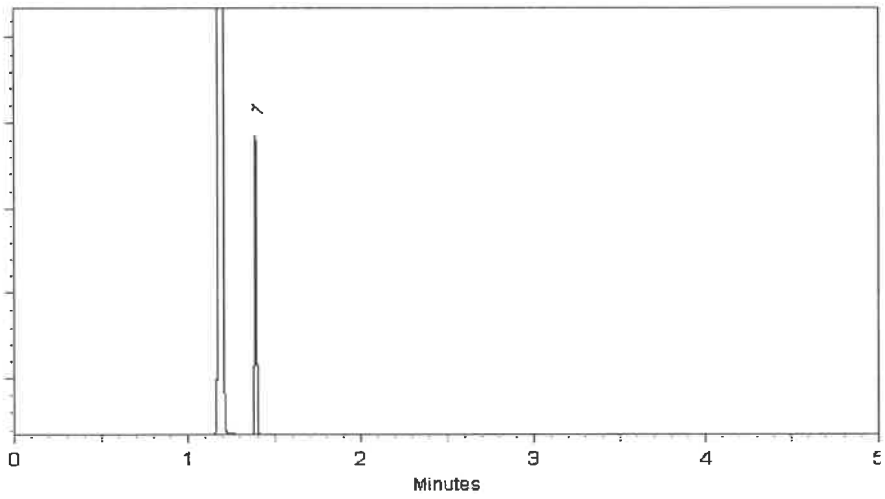
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Column:
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Rtx-5 (cat.#10223)

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Det. Temp:
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Det. Type:
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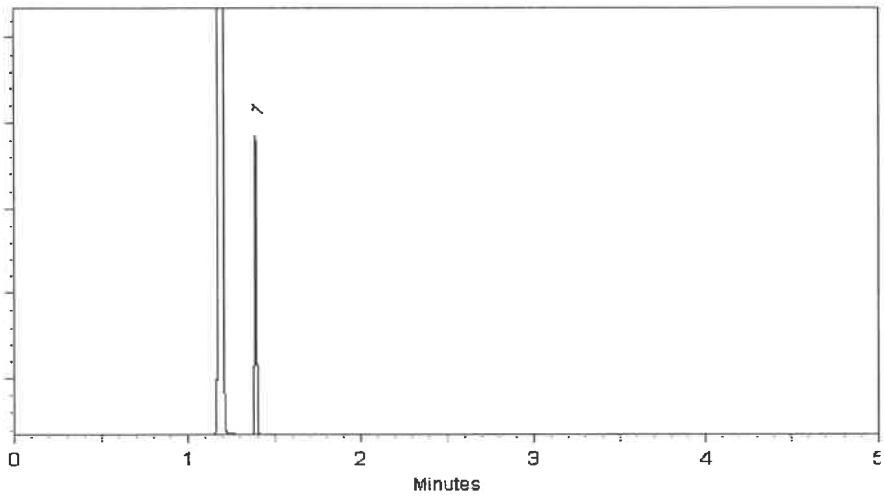
Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

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Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

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CAS # 75-09-2
Purity 99%

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Inj. Temp:
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Det. Temp:
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Det. Type:
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Split Vent:
100 ml/min.

Inj. Vol
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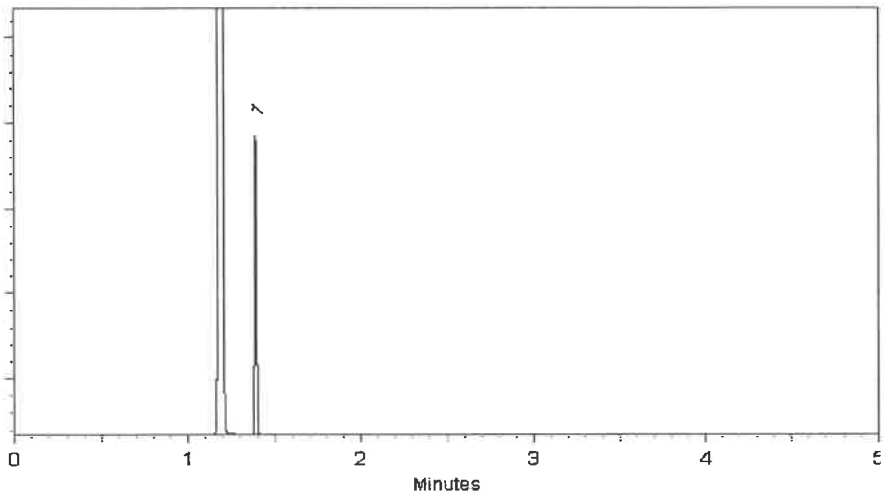

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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

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S11749 ↓ S11794 RC 11/30/23

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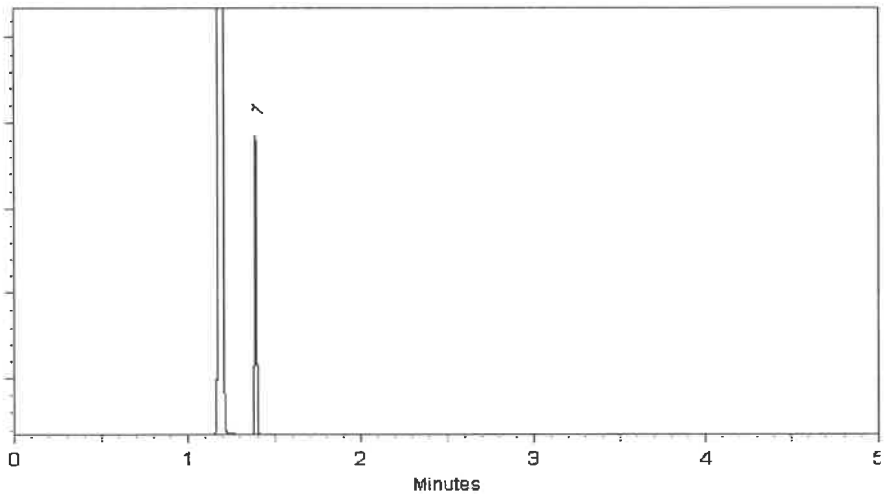

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Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

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4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
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8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

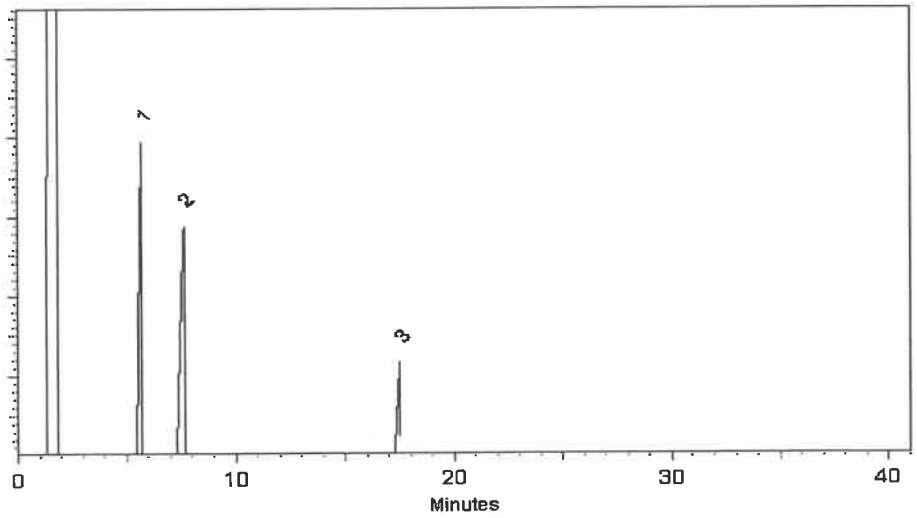
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

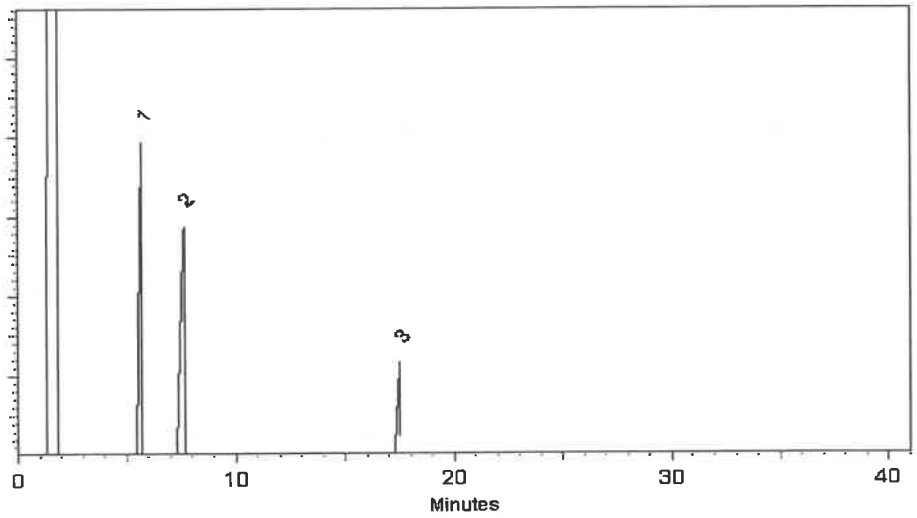
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

S12187 ↓ S12206 } RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

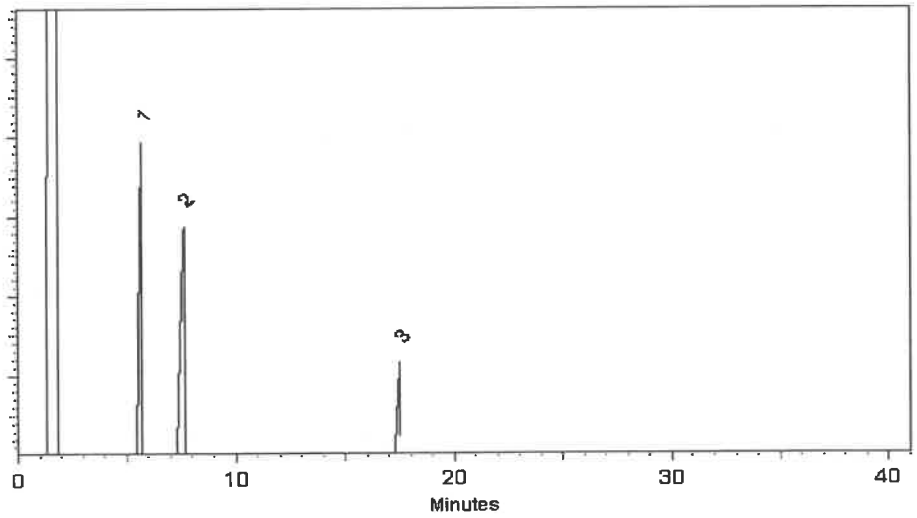
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

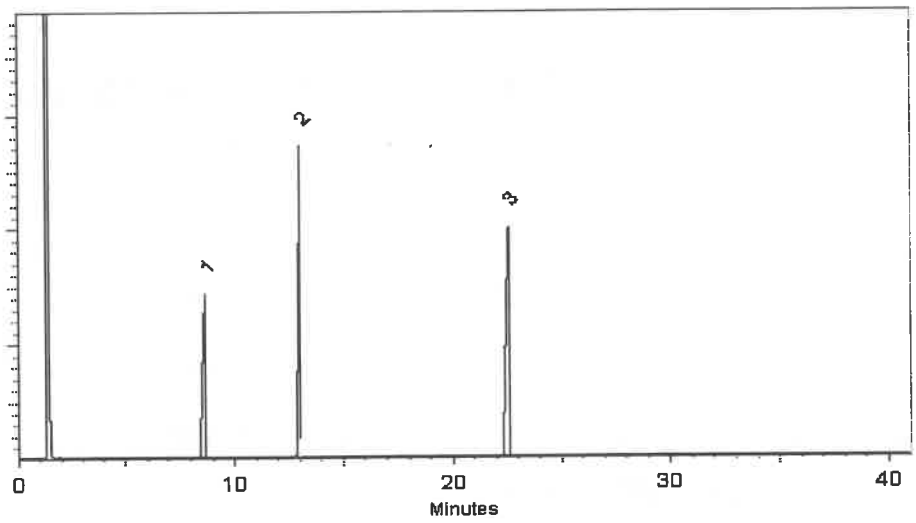
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

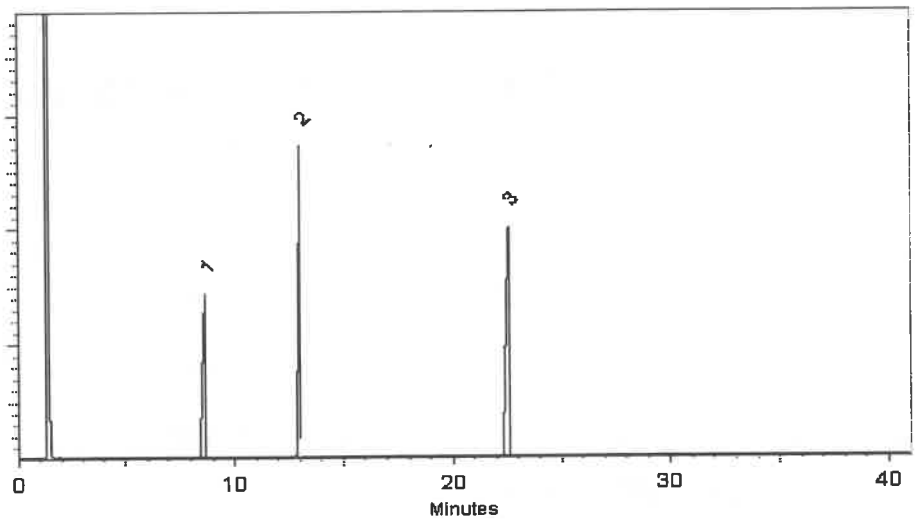
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	520963	≤ -10 °C	Methylene Chloride	10/10/2028	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1010 ± 9.89
acenaphthylene	208-96-8	97.6	14.290.1P	1014 ± 9.93
aniline	62-53-3	99.97	64.1.4P	1001 ± 9.8
anthracene	120-12-7	99.5	15.7.1P	999.6 ± 9.79
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 9.8
benzo[a]anthracene	56-55-3	100	16.7.3P	1007 ± 9.86
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1011 ± 14.11
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 10.96
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 13.95
benzo[a]pyrene	50-32-8	97	20.286.2P	999.9 ± 22.24
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 9.82
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	1000 ± 14.69
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1003 ± 13.89
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.15P	999.4 ± 14.68
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 9.8
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 17.03
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1.1P	1000 ± 13.85
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 16.79
carbazole	86-74-8	99.4	239.7.2P	1000 ± 9.8

S12270 ↓ S12274 } RC 05/24/24

*Not a certified value

Kerry E Kane

Certified By: _____

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
4-chloroaniline	106-47-8	100	66.7.1P	1000 ± 9.79
4-chlorophenylphenyl ether	7005-72-3	98	37.158.2P	1001 ± 17.07
4-chloro-3-methylphenol	59-50-7	99	102.1.2P	1006 ± 17.16
2-chloronaphthalene	91-58-7	99.9	42.7.6P	1000 ± 9.79
2-chlorophenol	95-57-8	99.8	103.7.1P	1007 ± 13.96
chrysene	218-01-9	96	21.286.2P	998.4 ± 12.85
dibenz[a,h]anthracene	53-70-3	99.44	22.286.3P	1000 ± 9.74
dibenzofuran	132-64-9	100	67.7.2.1P	1002 ± 9.77
di-n-butyl phthalate	84-74-2	99.84	40.286.1P	1007 ± 24.48
1,2-dichlorobenzene	95-50-1	99.8	43.7.1P	1000 ± 9.79
1,3-dichlorobenzene	541-73-1	99.5	44.1.3P	999.4 ± 9.79
1,4-dichlorobenzene	106-46-7	99.9	45.29.2P	1000 ± 9.79
2,4-dichlorophenol	120-83-2	99.6	104.7.1.1P	1005 ± 13.93
diethyl phthalate	84-66-2	99.8	38.7.1P	1011 ± 14
2,4-dimethylphenol	105-67-9	99.6	105.7.1.1P	1009 ± 13.98
dimethyl phthalate	131-11-3	99.9	39.9.2P	996.5 ± 13.8
1,2-dinitrobenzene	528-29-0	99.86	86.7.3.1P	999.5 ± 9.75
1,3-dinitrobenzene	99-65-0	100	313.7.2P	998 ± 9.79
1,4-dinitrobenzene	100-25-4	100	907.7.1P	999.5 ± 9.8
2,4-dinitrophenol	51-28-5	99.9	106.1.6DP	1002 ± 13.89
2,4-dinitrotoluene	121-14-2	100	87.7.3P	999.8 ± 13.85
2,6-dinitrotoluene	606-20-2	99.4	88.7.2.1P	999.6 ± 13.85
di-n-octyl phthalate	117-84-0	99.1	41.7.5P	991.6 ± 13.74
diphenylamine	122-39-4	100	78.1.6P	998 ± 13.79
2,3,5,6-tetrachlorophenol	935-95-5	97	1112.286.1P	1004 ± 14.02
fluoranthene	206-44-0	98.6	23.7.4P	999.6 ± 9.79
fluorene	86-73-7	98.4	24.7.1P	999.7 ± 9.79

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
hexachlorobenzene	118-74-1	99	46.158.4P	999.9 ± 13.96
hexachlorobutadiene	87-68-3	97.4	47.1.4P	1000 ± 9.79
hexachlorocyclopentadiene	77-47-4	99.2	48.2.2P	1001 ± 9.8
hexachloroethane	67-72-1	99.9	49.1.4P	1003 ± 9.82
indeno[1,2,3-cd]pyrene	193-39-5	98	25.286.4P	999.4 ± 22.23
isophorone	78-59-1	98.9	90.1.4P	999.9 ± 13.85
2-methyl-4,6-dinitrophenol	534-52-1	99.6	107.421.2DP	991 ± 24.09
1-methylnaphthalene	90-12-0	97.1	249.7.5P	999.2 ± 13.95
2-methylnaphthalene	91-57-6	97.4	68.7.2P	1006 ± 22.38
2-methylphenol	95-48-7	99.6	114.7.3P	1001 ± 13.87
3-methylphenol	108-39-4	99.1	115.7.4P	499.7 ± 6.92
4-methylphenol	106-44-5	99.5	116.7.1P	501.2 ± 6.94
naphthalene	91-20-3	99.8	26.9.1P	1018 ± 9.97
2-nitroaniline	88-74-4	99.7	69.29.1P	999.6 ± 9.79
3-nitroaniline	99-09-2	100	70.7.3P	1000 ± 9.74
4-nitroaniline	100-01-6	99.7	71.29.1P	1001 ± 9.8
nitrobenzene	98-95-3	100	94.7.1P	1000 ± 13.85
2-nitrophenol	88-75-5	99.1	108.29.1P	996.5 ± 13.81
4-nitrophenol	100-02-7	100	109.7.1P	1000 ± 13.82
N-nitrosodimethylamine	62-75-9	99.5	57.3.19P	998.5 ± 14.67
N-nitrosodi-n-propylamine	621-64-7	99.8	59.286.1P	996.8 ± 17
pentachlorophenol	87-86-5	99	110.1.7P	1004 ± 13.92
phenanthrene	85-01-8	99.7	27.1.5P	999 ± 12.87
phenol	108-95-2	100	112.7.1P	998.5 ± 13.8
pyrene	129-00-0	99.2	28.9.2P	998.9 ± 9.78
pyridine	110-86-1	100	101.24.1P	999 ± 9.73
2,3,4,6-Tetrachlorophenol	58-90-2	91.8	120.421.1P	996.5 ± 13.92

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	999.6 ± 9.79
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	999.5 ± 13.85
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	996 ± 13.8

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

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Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

S12275 ↓ S12279 } RC/ 05/24/24

*Not a certified value

Certified By: S. Hunter

Scott Hunter
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Certificate of Analysis

chromatographic plus

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S12312 ↓ S12331 } RC/ 05/30/24

Catalog No. : 31206 **Lot No.:** A0206540

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,007.1 µg/mL	+/- 90.4025
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,005.9 µg/mL	+/- 90.3454
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,007.9 µg/mL	+/- 90.4385
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,006.7 µg/mL	+/- 90.3845
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,015.5 µg/mL	+/- 90.7778
6	Perylene-d12	1520-96-3	PR-33205	99%	2,014.7 µg/mL	+/- 90.7448

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

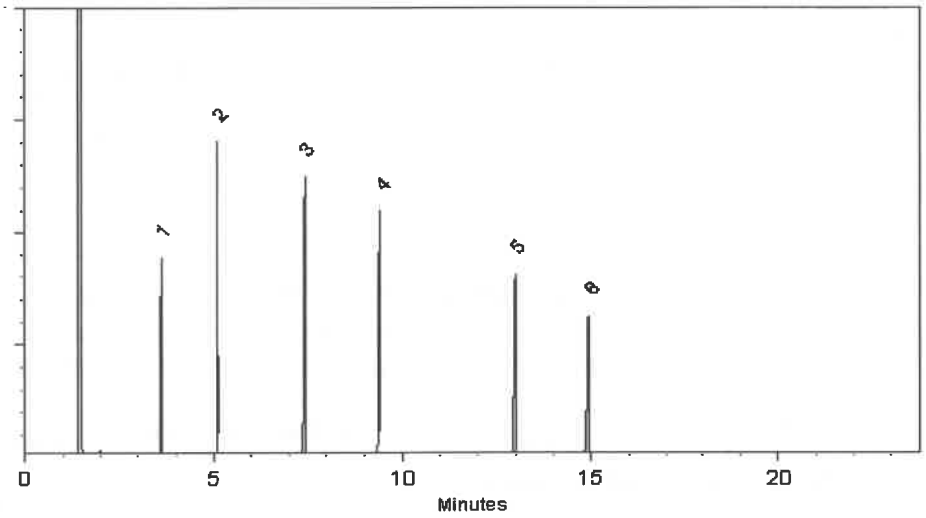
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Malina Homan - Operations Technician I

Date Mixed: 12-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- Purity values are rounded to the nearest whole number.

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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110 Benner Circle
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

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3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
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Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

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Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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S12509 ↓ S12568 } RC/ 7/24/24

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Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤-10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

~~S12280~~ ↓ ~~S12284~~ RCI 05/24/24

New numbers Generated.

S12790 ↓ S12794 RCI 11/12/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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. Q1478
COC Number 2045803

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Jacobs
ADDRESS: 412 Mt Kemble Ave Suite #100
CITY Morristown STATE: NJ ZIP: 07960
ATTENTION: John Vafiadis
PHONE: (281) 414-1719 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTC
PROJECT NO.: D3868221 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Mary Murphy PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) STANDARD TAT 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 2 (Results + QC)
- ☒ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ US EPA CLP
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

1. VOCs (8260B)
2. SVOCs (8270C)
3. TPH DRO – TPH-DRO (Jacobs)
4. Metals (6010B + 7471A)
5. PCBs (8082)
6. Ignitability (1030)
7. Corrosivity (9045C)
8. TPH GRO (8015B)
9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								A/E	E	E	B/E	E	E	E	E		← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	IDW-AQ-MW-19B-COMP-022825	AQ	X		2-28-25	1110	5		X	X	X	X	X	X			
2.	IDW-AQ-DRUM-610-022825	AQ		X	2-28-25	1115	3	X		X					X		
3.	IDW-AQ-IW-01-COMP-022825	AQ	X		2-28-25	1120	5		X	X	X	X	X	X			
4.	IDW-AQ-DRUM-616-022825	AQ		X	2-28-25	1125	3	X		X					X		
5.	IDW-AQ-IW-02-COMP-022825	AQ	X		2-28-25	1130	4		X	X	X	X	X	X			
6.	IDW-AQ-DRUM-614-022825	AQ		X	2-28-25	1135	3	X		X					X		
7.	IDW-AQ-IW-03-COMP-022825	AQ	X		2-28-25	1140	4	~~X~~	X	X	X	X	X	X			
8.	IDW-AQ-DRUM-612-022825	AQ		X	2-28-25	1145	3	X		X					X		
9.	~~IDW-SO-COMP-022825~~ (TH)	~~SO~~	X		2-28-25	1230	5		X	X	X	X	X	X			
10.	~~IDW-SO-DRUM-582-022825~~ (TH)	~~SO~~		X	2-28-25		1										

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	2-28-25 1720	1. 2-28-25 1720
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 2.1 °C
Comments:

Page 1 of 2

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q1478
COC Number 2045804

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Jacobs
ADDRESS: 412 Mt Kemble Ave Suite #100
CITY Morristown STATE: NJ ZIP: 07960
ATTENTION: John Yafante
PHONE: (781)414-1719 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTC
PROJECT NO.: D3868221 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Mary Murphy PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) STANDARD TAT 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. TCLP SVOCs (1311/8270C)
2. TCLP VOCs (1311/8260C)
3. TPH GRO / TPH DRO (8015)
4. TCLP Metals (1311/6010)
5. PCBs (8082)
6. Ignitability (1030)
7. Corrosivity (9040C)
8. TPH DRO (8015B)
9.

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
1.	IDW-SO-COMP-022825	SO	X		2-28-25	1230	5	X	X	X	X	X	X	X	X	
2.	IDW-SO-DRUM-582-022825	SO		X	2-28-25	1225	1		X	X						
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.	2-28-25 1820	1. 2.28.2025 1720
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT X COOLER TEMP 2.0 °C
Comments:

Page 2 of 2

CLIENT: ❑ Hand Delivered ❑ Other

Shipment Complete ❑ YES ❑ NO

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284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1478 JACO05
Client Name : JACOBS Engineering Grou
Client Contact : John Ynfante
Invoice Name : JACOBS Engineering Grou
Invoice Contact : John Ynfante

Order Date : 3/3/2025 10:28:22 AM
Project Name : Former Schlumberger Site I
Receive DateTime : 2/28/2025 5:20:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : CH2MHILL
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1478-02	IDW-AQ-DRUM-610-022825	Water	02/28/2025	11:15					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q1478-04	IDW-AQ-DRUM-616-022825	Water	02/28/2025	11:25					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q1478-06	IDW-AQ-DRUM-614-022825	Water	02/28/2025	11:35					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q1478-08	IDW-AQ-DRUM-612-022825	Water	02/28/2025	11:45					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

Relinguished By :
Date / Time : 3-3-25 1200

Received By :
Date / Time : 3/3/25 1200

Storage Area : VOA Refridgerator Room