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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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LAB CHRONICLE

OrderID:	Q1492	**OrderDate:**	3/5/2025 12:21:00 PM
Client:	G Environmental	**Project:**	Nelson
Contact:	Gary Landis	**Location:**	I21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1492-01	**RHL1PXI**	**SOIL**			**03/05/25**			**03/05/25**
			SVOC-PAH	8270E		03/06/25	03/06/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1492

Client: G Environmental

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.: Q1492

Client: G Environmental

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167012BL	PB167012BL	Nitrobenzene-d5	100	80.7	81		30 (18)	130 (107)
		2-Fluorobiphenyl	100	76.6	77		30 (20)	130 (109)
		Terphenyl-d14	100	79.9	80		30 (10)	130 (105)
PB167012BS	PB167012BS	Nitrobenzene-d5	100	88.5	88		30 (18)	130 (107)
		2-Fluorobiphenyl	100	85.4	85		30 (20)	130 (109)
		Terphenyl-d14	100	94.4	94		30 (10)	130 (105)
Q1492-01	RHL1PXI	Nitrobenzene-d5	100	99.5	100		30 (18)	130 (107)
		2-Fluorobiphenyl	100	89.0	89		30 (20)	130 (109)
		Terphenyl-d14	100	75.8	76		30 (10)	130 (105)
Q1492-01MS	RHL1PXIMS	Nitrobenzene-d5	100	92.2	92		30 (18)	130 (107)
		2-Fluorobiphenyl	100	83.1	83		30 (20)	130 (109)
		Terphenyl-d14	100	70.2	70		30 (10)	130 (105)
Q1492-01MSD	RHL1PXIMSD	Nitrobenzene-d5	100	88.3	88		30 (18)	130 (107)
		2-Fluorobiphenyl	100	79.5	80		30 (20)	130 (109)
		Terphenyl-d14	100	68.8	69		30 (10)	130 (105)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1492

Client: G Environmental

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1492-01MS		**Client Sample ID: RHL1PXIMS**						**DataFile:**	**BF141875.D**		
Naphthalene	1800	0	1600	ug/Kg	89				70 (72)	130 (110)	
Acenaphthylene	1800	0	1700	ug/Kg	94				70 (79)	130 (118)	
Acenaphthene	1800	0	1800	ug/Kg	100				70 (70)	130 (121)	
Fluorene	1800	0	1700	ug/Kg	94				70 (68)	130 (116)	
Phenanthrene	1800	0	1700	ug/Kg	94				70 (52)	130 (128)	
Anthracene	1800	0	1700	ug/Kg	94				70 (62)	130 (124)	
Fluoranthene	1800	0	1600	ug/Kg	89				70 (44)	130 (125)	
Pyrene	1800	0	1400	ug/Kg	78				70 (26)	130 (142)	
Benzo(a)anthracene	1800	0	1700	ug/Kg	94				70 (71)	130 (114)	
Chrysene	1800	0	1600	ug/Kg	89				70 (57)	130 (121)	
Benzo(b)fluoranthene	1800	0	1700	ug/Kg	94				70 (67)	130 (121)	
Benzo(k)fluoranthene	1800	0	1800	ug/Kg	100				70 (57)	130 (134)	
Benzo(a)pyrene	1800	0	1800	ug/Kg	100				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	1800	0	1700	ug/Kg	94				70 (40)	130 (129)	
Dibenz(a,h)anthracene	1800	0	1700	ug/Kg	94				70 (43)	130 (123)	
Benzo(g,h,i)perylene	1800	0	1500	ug/Kg	83				70 (24)	130 (125)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1492

Client: G Environmental

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1492-01MSD		**Client Sample ID:** RHL1PXIMSD						**DataFile:** BF141876.D			
Naphthalene	1800	0	1600	ug/Kg	89		0		70 (72)	130 (110)	30 (20)
Acenaphthylene	1800	0	1600	ug/Kg	89		5		70 (79)	130 (118)	30 (20)
Acenaphthene	1800	0	1700	ug/Kg	94		6		70 (70)	130 (121)	30 (20)
Fluorene	1800	0	1600	ug/Kg	89		5		70 (68)	130 (116)	30 (20)
Phenanthrene	1800	0	1600	ug/Kg	89		5		70 (52)	130 (128)	30 (20)
Anthracene	1800	0	1600	ug/Kg	89		5		70 (62)	130 (124)	30 (20)
Fluoranthene	1800	0	1600	ug/Kg	89		0		70 (44)	130 (125)	30 (20)
Pyrene	1800	0	1300	ug/Kg	72		8		70 (26)	130 (142)	30 (20)
Benzo(a)anthracene	1800	0	1600	ug/Kg	89		5		70 (71)	130 (114)	30 (20)
Chrysene	1800	0	1600	ug/Kg	89		0		70 (57)	130 (121)	30 (20)
Benzo(b)fluoranthene	1800	0	1600	ug/Kg	89		5		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	1800	0	1700	ug/Kg	94		6		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	1800	0	1700	ug/Kg	94		6		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1800	0	1500	ug/Kg	83		12		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	1800	0	1600	ug/Kg	89		5		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	1800	0	1400	ug/Kg	78		6		70 (24)	130 (125)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1492

Client: G Environmental

Analytical Method: 8270E **DataFile:** BF141912.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167012BS	Naphthalene	1700	1300	ug/Kg	76				70 (62)	130 (100)	
	Acenaphthylene	1700	1400	ug/Kg	82				70 (63)	130 (101)	
	Acenaphthene	1700	1500	ug/Kg	88				70 (57)	130 (104)	
	Fluorene	1700	1400	ug/Kg	82				70 (61)	130 (101)	
	Phenanthrene	1700	1400	ug/Kg	82				70 (59)	130 (103)	
	Anthracene	1700	1400	ug/Kg	82				70 (61)	130 (105)	
	Fluoranthene	1700	1400	ug/Kg	82				70 (57)	130 (107)	
	Pyrene	1700	1400	ug/Kg	82				70 (59)	130 (103)	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				70 (60)	130 (102)	
	Chrysene	1700	1400	ug/Kg	82				70 (59)	130 (101)	
	Benzo(b)fluoranthene	1700	1300	ug/Kg	76				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1500	ug/Kg	88				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1300	ug/Kg	76				70 (70)	130 (108)	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167012BL

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1492 SAS No.: Q1492 SDG NO.: Q1492

Lab File ID: BF141907.D Lab Sample ID: PB167012BL

Instrument ID: BNA_F Date Extracted: 03/06/2025

Matrix: (soil/water) SOIL Date Analyzed: 03/10/2025

Level: (low/med) LOW Time Analyzed: 17:09

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167012BS	PB167012BS	BF141912.D	03/11/2025
RHL1PXI	Q1492-01	BF141874.D	03/06/2025
RHL1PXIMS	Q1492-01MS	BF141875.D	03/06/2025
RHL1PXIMSD	Q1492-01MSD	BF141876.D	03/06/2025

COMMENTS:

Raw Data: **BF141792.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1492 SDG NO.: Q1492

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

Raw Data: **BF141857.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1492 SDG NO.: Q1492

Lab File ID: BF141857.D DFTPP Injection Date: 03/06/2025

Instrument ID: BNA_F DFTPP Injection Time: 08:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.8
68	Less than 2.0% of mass 69	0.7 (2) 1
69	Mass 69 relative abundance	34.8
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	46.7
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	28.6
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	94.6
443	15.0 - 24.0% of mass 442	18.6 (19.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141858.D	03/06/2025	09:52
RHL1PXI	Q1492-01	BF141874.D	03/06/2025	17:59
RHL1PXIMS	Q1492-01MS	BF141875.D	03/06/2025	18:29
RHL1PXIMSD	Q1492-01MSD	BF141876.D	03/06/2025	18:58

Raw Data: **BF141896.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1492 SDG NO.: Q1492

Lab File ID: BF141896.D DFTPP Injection Date: 03/10/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:31

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	22.7
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	25
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	35
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.3
275	10.0 - 60.0% of mass 198	24.4
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF141897.D	03/10/2025	11:01
SSTDICC005	SSTDICC005	BF141898.D	03/10/2025	11:30
SSTDICC010	SSTDICC010	BF141899.D	03/10/2025	12:00
SSTDICC020	SSTDICC020	BF141900.D	03/10/2025	12:29
SSTDICCC040	SSTDICCC040	BF141901.D	03/10/2025	12:58
SSTDICC060	SSTDICC060	BF141903.D	03/10/2025	13:57
SSTDICC080	SSTDICC080	BF141904.D	03/10/2025	14:27
SSTDICC050	SSTDICC050	BF141905.D	03/10/2025	15:20
PB167012BL	PB167012BL	BF141907.D	03/10/2025	17:09

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1492 SDG NO.: Q1492

Lab File ID: BF141909.D DFTPP Injection Date: 03/11/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:52

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	21.5
68	Less than 2.0% of mass 69	0.5 (2) 1
69	Mass 69 relative abundance	23.4
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	33.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.1
275	10.0 - 60.0% of mass 198	23.9
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	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	BF141910.D	03/11/2025	11:51
PB167012BS	PB167012BS	BF141912.D	03/11/2025	12:51

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1492 SAS No.: Q1492 SDG NO.: Q1492

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/06/2025

Lab File ID: BF141858.D Time Analyzed: 09:52

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	207866	6.887	779725	8.17	422269	9.92
	UPPER LIMIT	415732	7.387	1559450	8.669	844538	10.422
	LOWER LIMIT	103933	6.387	389863	7.669	211135	9.422
	EPA SAMPLE NO.						
01	RHL1PXI	152116	6.89	583372	8.16	313503	9.92
02	RHL1PXIMS	160920	6.89	614399	8.17	327791	9.92
03	RHL1PXIMSD	165879	6.89	641339	8.17	343104	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.: Q1492 SAS No.: Q1492 SDG NO.: Q1492

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/06/2025

Lab File ID: BF141858.D Time Analyzed: 09:52

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	691934	11.404	434521	14.045	382575	15.515
	UPPER LIMIT	1383870	11.904	869042	14.545	765150	16.015
	LOWER LIMIT	345967	10.904	217261	13.545	191288	15.015
	EPA SAMPLE NO.						
01	RHL1PXI	496736	11.40	391345	14.05	319431	15.52
02	RHL1PXIMS	514725	11.40	396501	14.05	380301	15.52
03	RHL1PXIMSD	535087	11.40	408916	14.05	392870	15.52

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1492 SAS No.: Q1492 SDG NO.: Q1492

EPA Sample No.: SSTDICCC040 Date Analyzed: 03/10/2025

Lab File ID: BF141901.D Time Analyzed: 12:58

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	222904	6.881	874166	8.16	493744	9.92
	UPPER LIMIT	445808	7.381	1748330	8.663	987488	10.416
	LOWER LIMIT	111452	6.381	437083	7.663	246872	9.416
	EPA SAMPLE NO.						
01	PB167012BL	215606	6.88	850637	8.16	501095	9.91

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1492 SAS No.: Q1492 SDG NO.: Q1492

EPA Sample No.: SSTDICCC040 Date Analyzed: 03/10/2025

Lab File ID: BF141901.D Time Analyzed: 12:58

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	839154	11.404	569865	14.039	469286	15.509
	UPPER LIMIT	1678310	11.904	1139730	14.539	938572	16.009
	LOWER LIMIT	419577	10.904	284933	13.539	234643	15.009
	EPA SAMPLE NO.						
01	PB167012BL	952421	11.40	661459	14.03	462716	15.50

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1492 SAS No.: Q1492 SDG NO.: Q1492

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/11/2025

Lab File ID: BF141910.D Time Analyzed: 11:51

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	212930	6.881	840081	8.16	479107	9.92
	UPPER LIMIT	425860	7.381	1680160	8.663	958214	10.416
	LOWER LIMIT	106465	6.381	420041	7.663	239554	9.416
	EPA SAMPLE NO.						
01	PB167012BS	184657	6.88	747989	8.16	446834	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.: Q1492 SAS No.: Q1492 SDG NO.: Q1492

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/11/2025

Lab File ID: BF141910.D Time Analyzed: 11:51

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	819898	11.404	519479	14.039	442953	15.509
	UPPER LIMIT	1639800	11.904	1038960	14.539	885906	16.009
	LOWER LIMIT	409949	10.904	259740	13.539	221477	15.009
	EPA SAMPLE NO.						
01	PB167012BS	767875	11.40	492551	14.04	412337	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: **BF141874.D**

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Report of Analysis

Client:	G Environmental			Date Collected:	03/05/25
Project:	Nelson			Date Received:	03/05/25
Client Sample ID:	RHL1PXI			SDG No.:	Q1492
Lab Sample ID:	Q1492-01			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	92.8
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-PAH
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
BF141874.D	1	03/06/25 09:10	03/06/25 17:59	PB167012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	88.9	U	88.9	180	ug/Kg
208-96-8	Acenaphthylene	93.1	U	93.1	180	ug/Kg
83-32-9	Acenaphthene	87.3	U	87.3	180	ug/Kg
86-73-7	Fluorene	92.0	U	92.0	180	ug/Kg
85-01-8	Phenanthrene	90.4	U	90.4	180	ug/Kg
120-12-7	Anthracene	90.9	U	90.9	180	ug/Kg
206-44-0	Fluoranthene	88.0	U	88.0	180	ug/Kg
129-00-0	Pyrene	89.4	U	89.4	180	ug/Kg
56-55-3	Benzo(a)anthracene	86.9	U	86.9	180	ug/Kg
218-01-9	Chrysene	85.6	U	85.6	180	ug/Kg
205-99-2	Benzo(b)fluoranthene	87.3	U	87.3	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.9	U	88.9	180	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	84.1	U	84.1	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	87.4	U	87.4	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	86.2	U	86.2	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	117		30 (18) - 130 (112)	78%	SPK: 150
13127-88-3	Phenol-d6	113		30 (15) - 130 (107)	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	99.5		30 (18) - 130 (107)	100%	SPK: 100
321-60-8	2-Fluorobiphenyl	89.0		30 (20) - 130 (109)	89%	SPK: 100
118-79-6	2,4,6-Tribromophenol	145		30 (10) - 130 (116)	97%	SPK: 150
1718-51-0	Terphenyl-d14	75.8		30 (10) - 130 (105)	76%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	152000	6.887			
1146-65-2	Naphthalene-d8	583000	8.163			
15067-26-2	Acenaphthene-d10	314000	9.916			
1517-22-2	Phenanthrene-d10	497000	11.404			
1719-03-5	Chrysene-d12	391000	14.045			

Raw Data: **BF141874.D**

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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental			Date Collected:	03/05/25
Project:	Nelson			Date Received:	03/05/25
Client Sample ID:	RHL1PXI			SDG No.:	Q1492
Lab Sample ID:	Q1492-01			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	92.8
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-PAH
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
BF141874.D	1	03/06/25 09:10	03/06/25 17:59	PB167012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1520-96-3	Perylene-d12	319000	15.521			

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\BF030625\
Data File : BF141874.D
Acq On : 06 Mar 2025 17:59
Operator : RC/JU
Sample : Q1492-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RHL1PXI

Quant Time: Mar 07 00:18:37 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

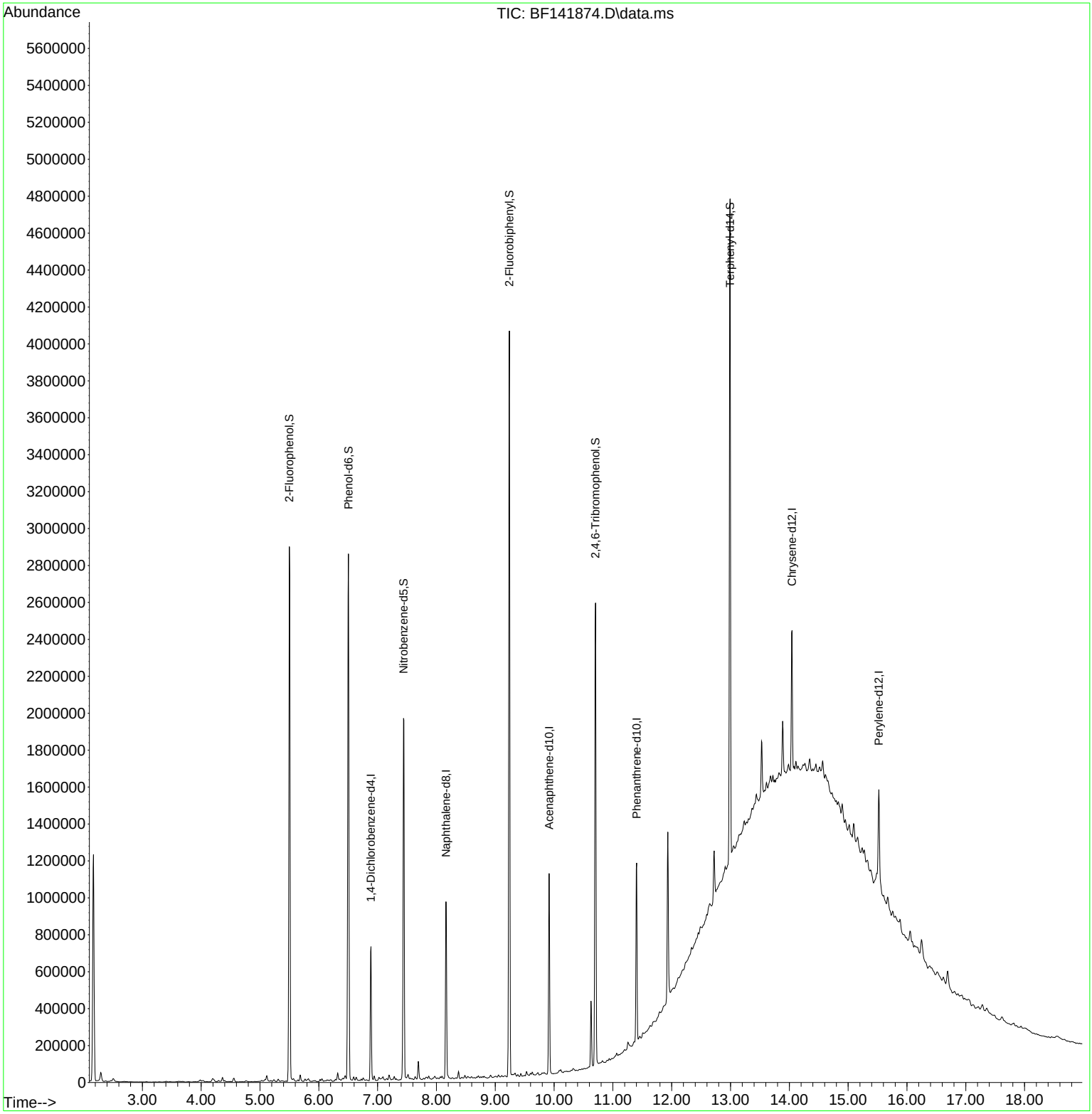
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	152116	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	583372	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	313503	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	496736	20.000	ng	0.00
76) Chrysene-d12	14.045	240	391345	20.000	ng	0.00
86) Perylene-d12	15.521	264	319431	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	1119085	117.487	ng	0.00
7) Phenol-d6	6.504	99	1396721	112.658	ng	0.00
23) Nitrobenzene-d5	7.440	82	908150	99.506	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	426706	144.979	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1739161	88.951	ng	0.00
79) Terphenyl-d14	12.992	244	1833470	75.800	ng	0.00
Target Compounds						Qvalue

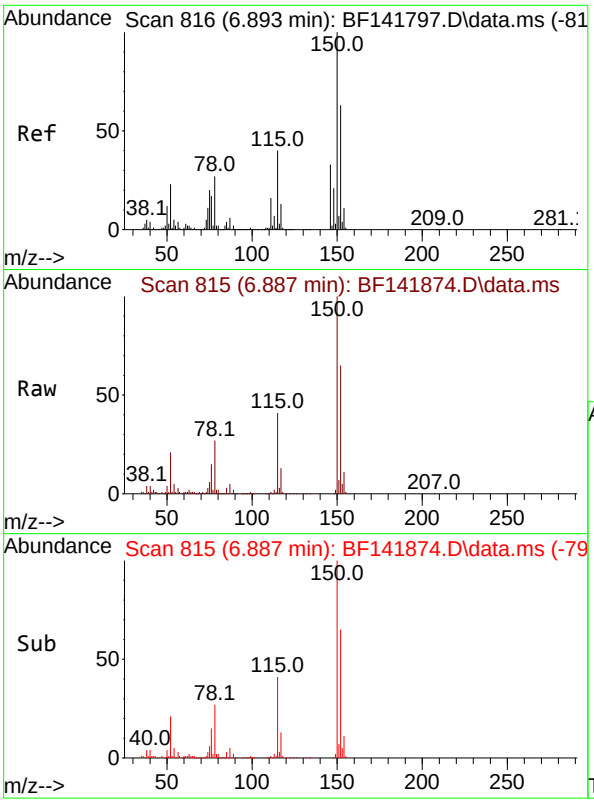
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141874.D
Acq On : 06 Mar 2025 17:59
Operator : RC/JU
Sample : Q1492-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RHL1PXI

Quant Time: Mar 07 00:18:37 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



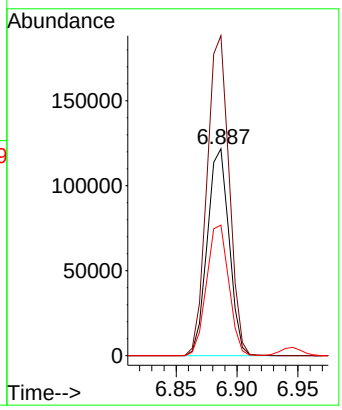


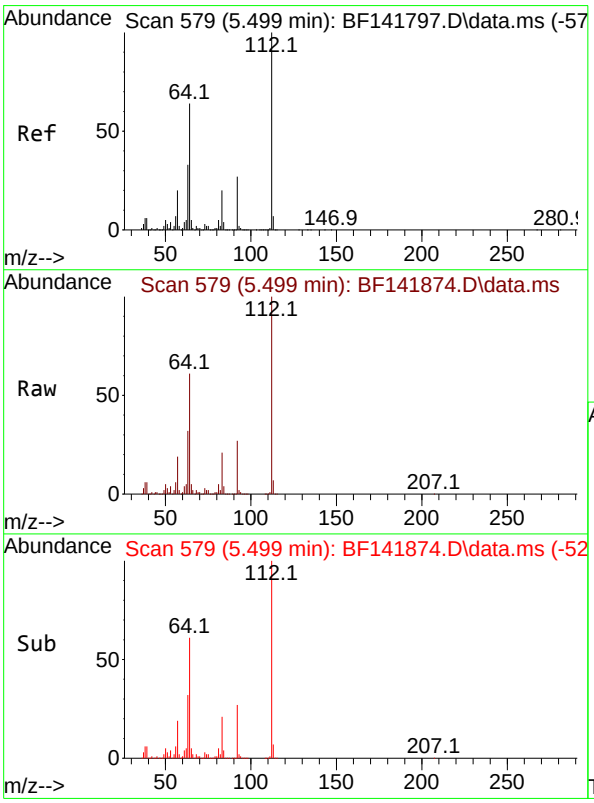
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

Instrument :
BNA_F
ClientSampleId :
RHL1PXI

Tgt Ion:152 Resp: 152116

Ion	Ratio	Lower	Upper
152	100		
150	154.6	127.5	191.3
115	63.1	51.4	77.2

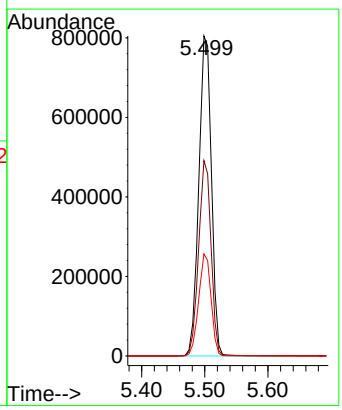


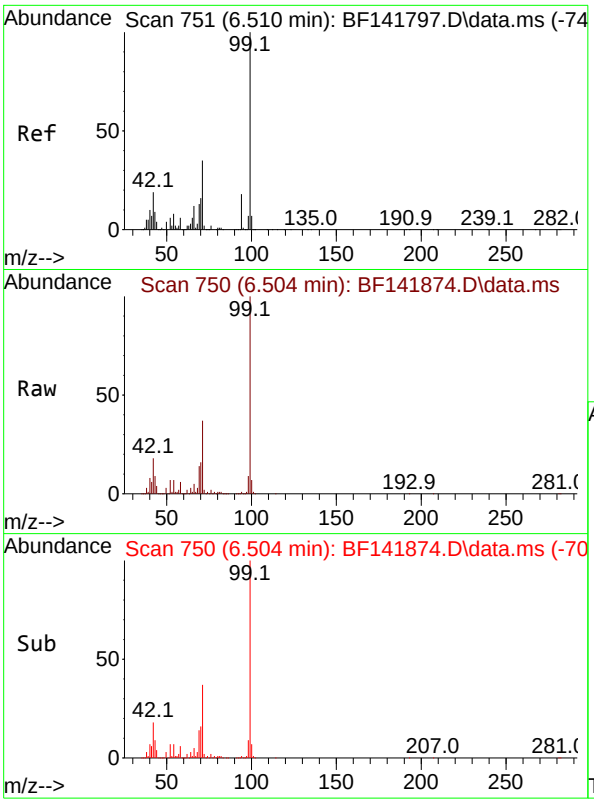


#5
2-Fluorophenol
Concen: 117.487 ng
RT: 5.499 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

Tgt Ion:112 Resp: 1119085

Ion	Ratio	Lower	Upper
112	100		
64	61.1	51.3	76.9
63	31.9	26.2	39.4



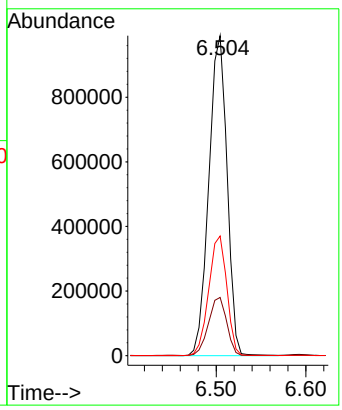


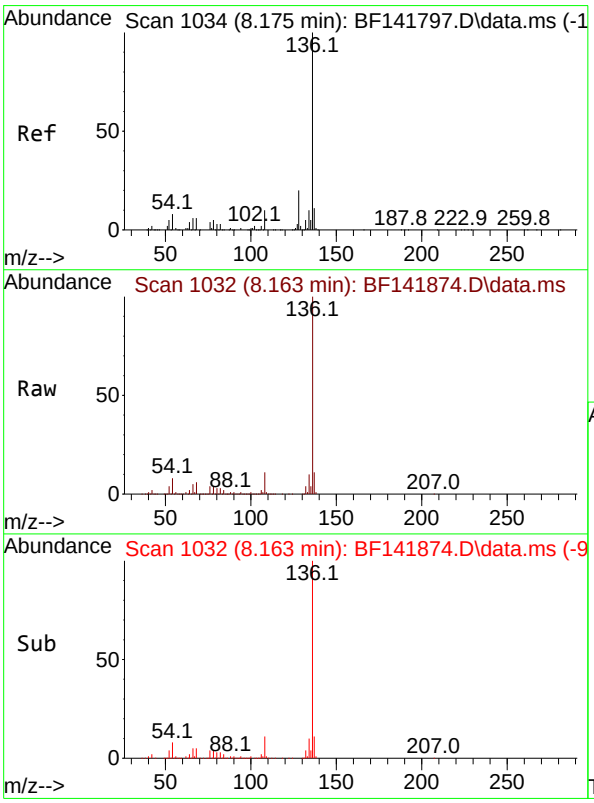
#7
Phenol-d6
Concen: 112.658 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

Instrument :
BNA_F
ClientSampleId :
RHL1PXI

Tgt Ion: 99 Resp: 1396721

Ion	Ratio	Lower	Upper
99	100		
42	18.2	15.2	22.8
71	37.4	28.2	42.2

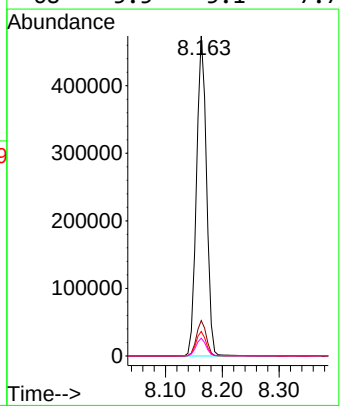


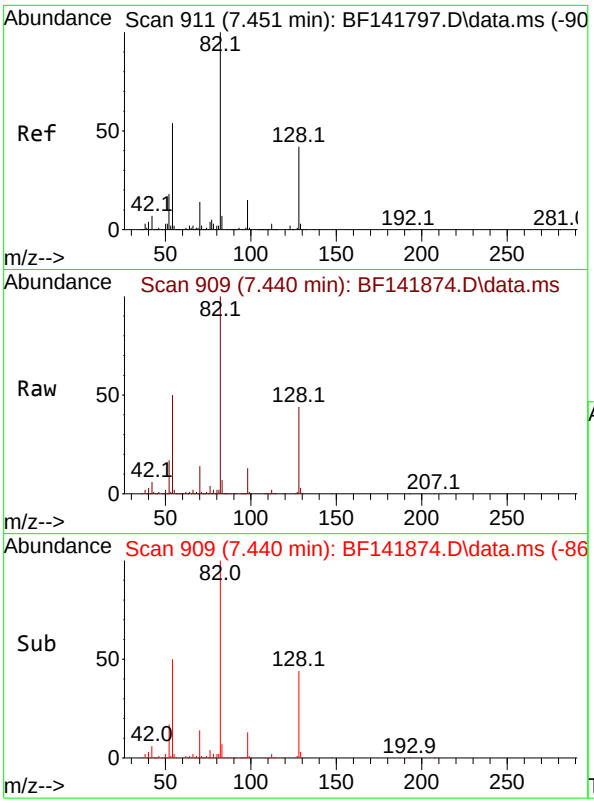


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

Tgt Ion:136 Resp: 583372

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.6	6.9	10.3
68	5.5	5.1	7.7



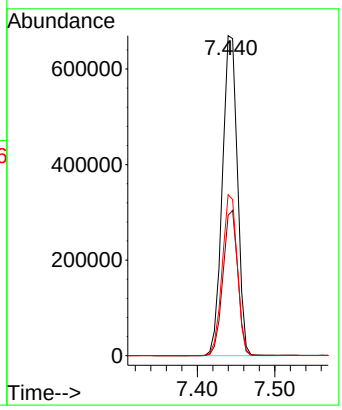


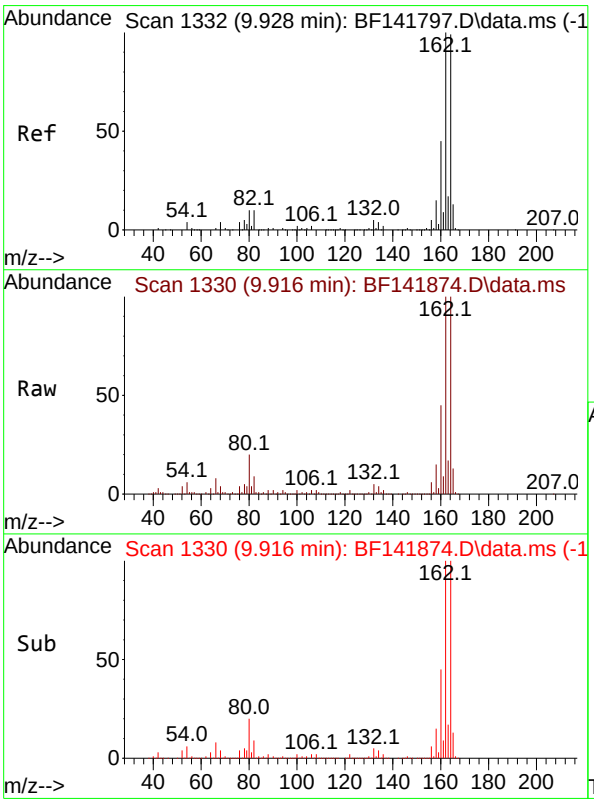
#23
Nitrobenzene-d5
Concen: 99.506 ng
RT: 7.440 min Scan# 9(
Delta R.T. -0.012 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

Instrument :
BNA_F
ClientSampleId :
RHL1PXI

Tgt Ion: 82 Resp: 908150

Ion	Ratio	Lower	Upper
82	100		
128	43.9	33.5	50.3
54	50.3	42.7	64.1

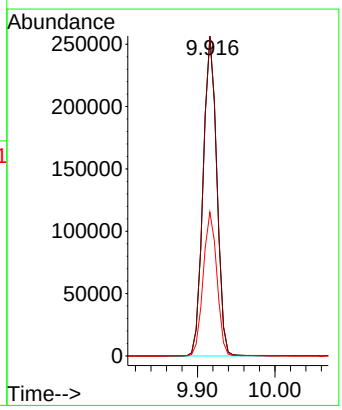


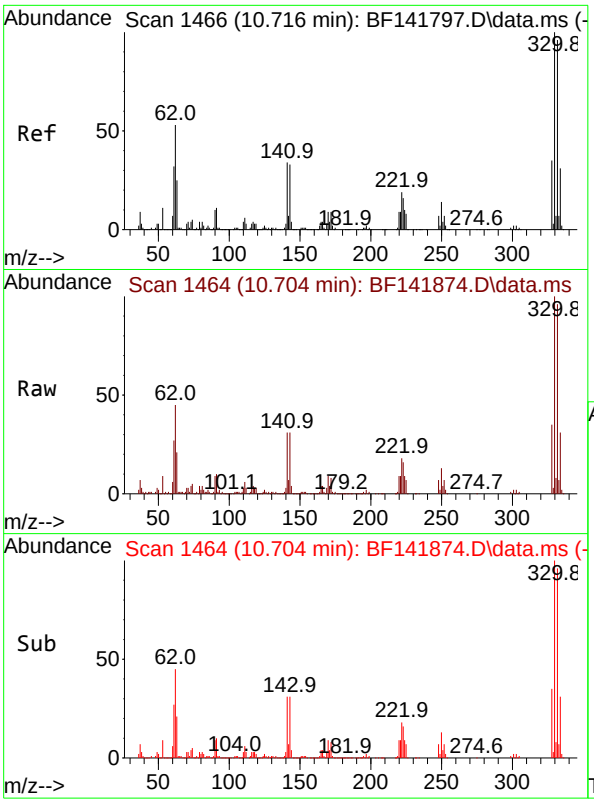


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.012 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

Tgt Ion:164 Resp: 313503

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.6	120.8
160	45.1	36.3	54.5



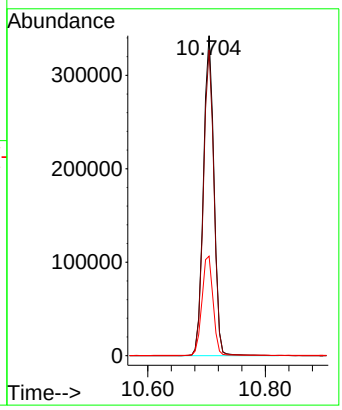


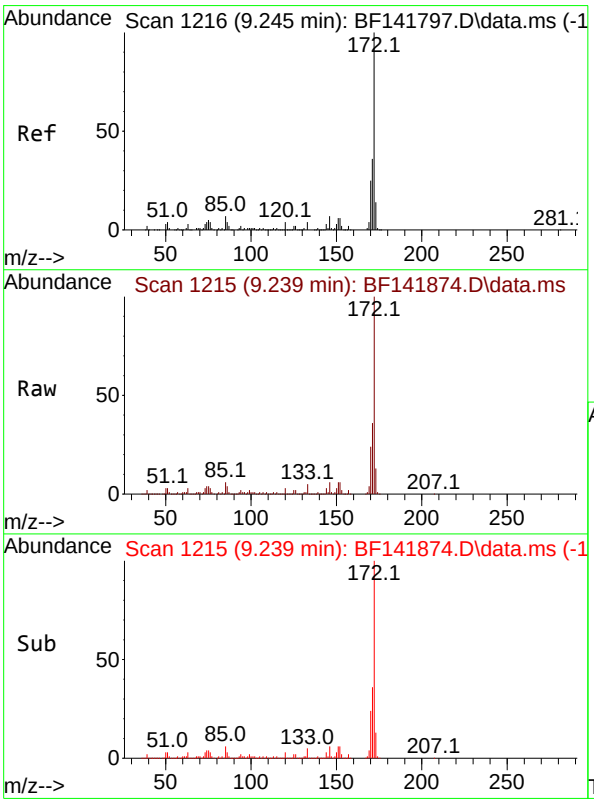
#42
2,4,6-Tribromophenol
Concen: 144.979 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

Instrument :
BNA_F
ClientSampleId :
RHL1PXI

Tgt Ion:330 Resp: 426706

Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.6	115.0
141	32.7	29.0	43.4

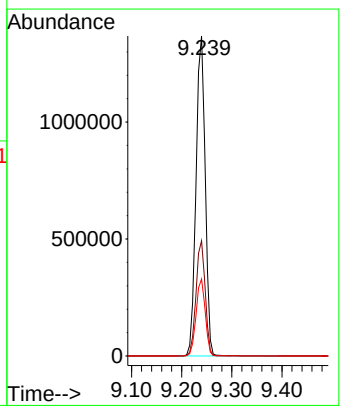


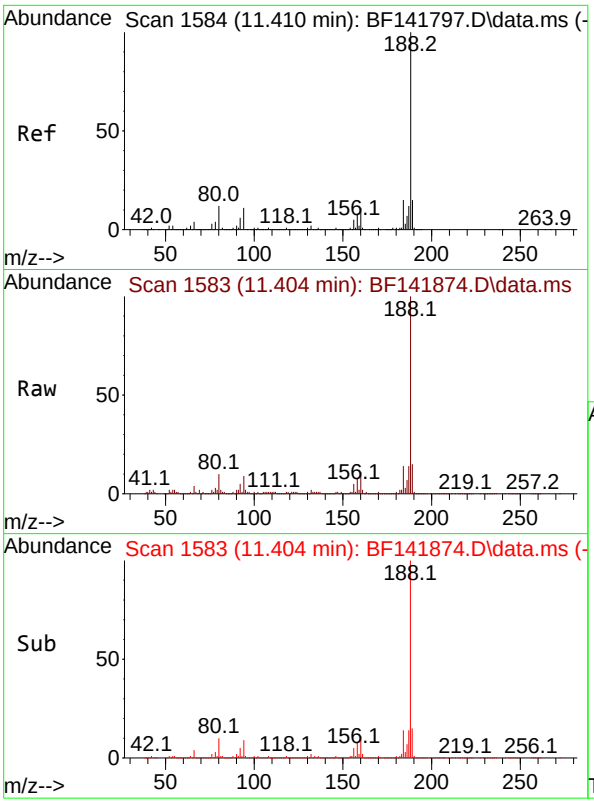


#45
2-Fluorobiphenyl
Concen: 88.951 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

Tgt Ion:172 Resp: 1739161

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.2	43.8
170	24.1	19.7	29.5



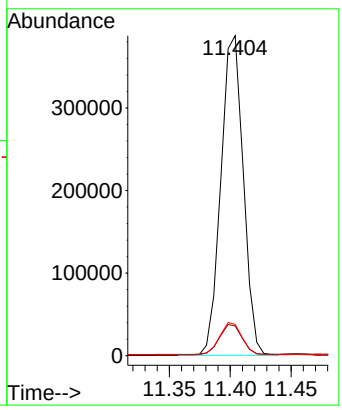


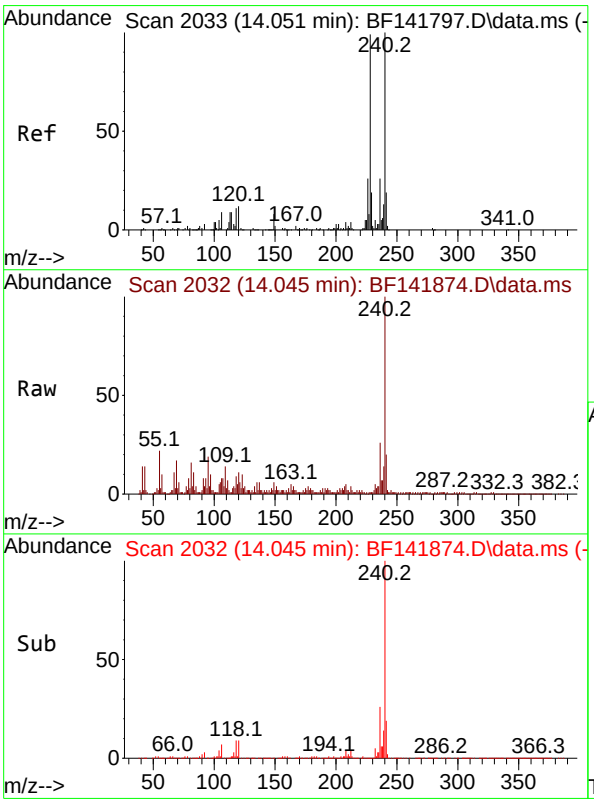
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

Instrument :
BNA_F
ClientSampleId :
RHL1PXI

Tgt Ion:188 Resp: 496736

Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.9	13.3
80	9.8	9.7	14.5

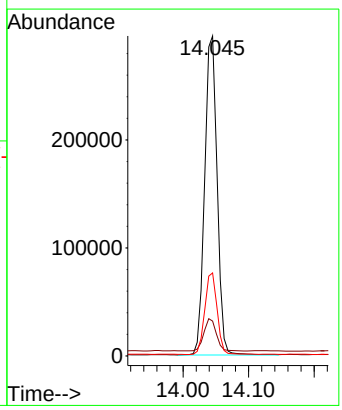


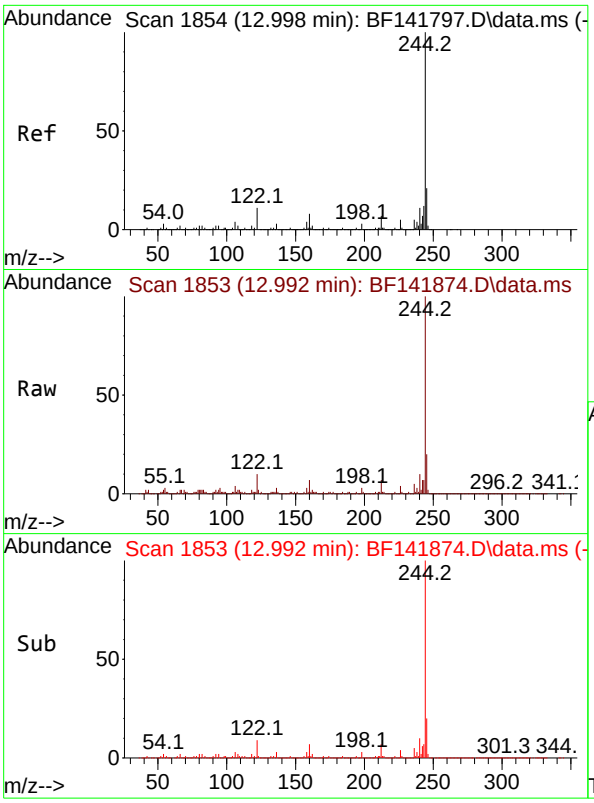


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

Tgt Ion:240 Resp: 391345

Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.7	14.5
236	26.0	21.0	31.4



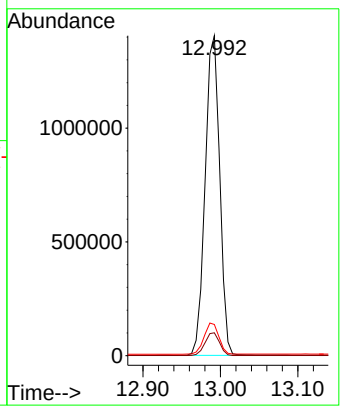


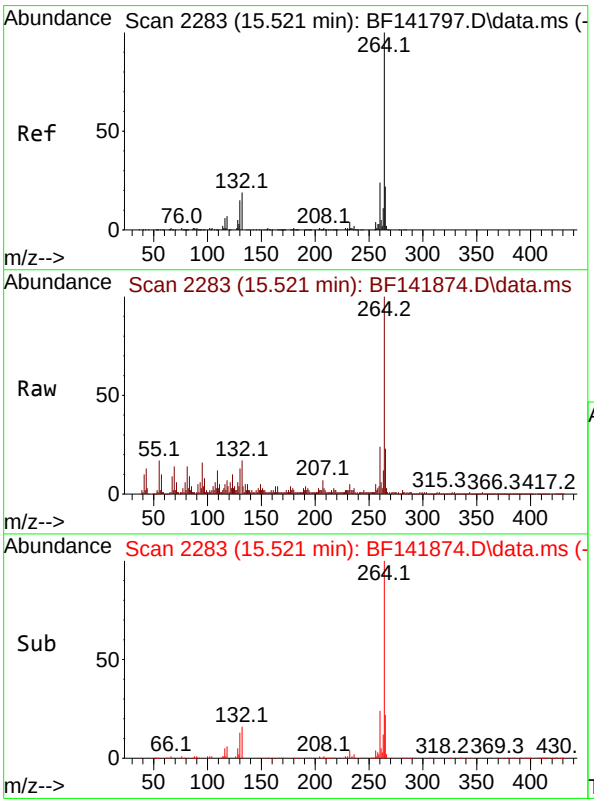
#79
Terphenyl-d14
Concen: 75.800 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

Instrument :
BNA_F
ClientSampleId :
RHL1PXI

Tgt Ion:244 Resp: 1833470

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	9.8	9.0	13.6

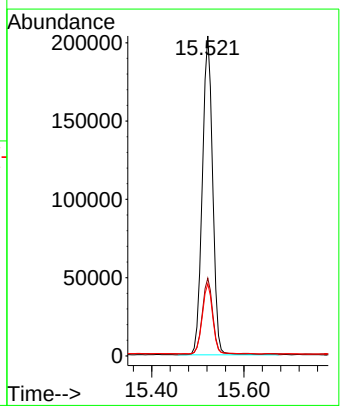




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

Tgt Ion:264 Resp: 319431

Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.9	28.3
265	22.5	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: GENV01

Lab Code: CHEM Case No.: Q1492 SAS No.: Q1492 SDG No.: Q1492

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
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
Nitrobenzene-d5		0.248	0.271	0.318	0.341	0.332	0.313	12.1
Naphthalene		1.140	1.097	1.100	1.043	0.960	1.028	8.7
2-Fluorobiphenyl		1.443	1.387	1.346	1.237	1.128	1.247	11.9
Acenaphthylene		1.847	1.809	1.798	1.711	1.560	1.685	8.5
Acenaphthene		1.217	1.201	1.197	1.150	1.068	1.137	6.4
Fluorene		1.433	1.367	1.313	1.228	1.128	1.239	11.0
2,4,6-Tribromophenol		0.175	0.179	0.188	0.199	0.183	0.188	4.8
Phenanthrene		1.186	1.152	1.134	1.073	1.001	1.070	8.6
Anthracene		1.203	1.156	1.155	1.068	1.002	1.072	9.5
Fluoranthene		1.285	1.217	1.192	1.089	0.992	1.096	12.7
Pyrene		1.698	1.687	1.815	1.796	1.738	1.732	3.3
Terphenyl-d14		1.250	1.233	1.297	1.259	1.230	1.236	3.4
Benzo(a)anthracene		1.367	1.387	1.384	1.312	1.244	1.321	4.5
Chrysene		1.303	1.184	1.235	1.265	1.185	1.218	4.4
Benzo(b)fluoranthene		1.442	1.396	1.533	1.306	1.232	1.362	7.8
Benzo(k)fluoranthene		1.274	1.240	1.098	1.214	1.165	1.158	7.7
Benzo(a)pyrene		1.113	1.083	1.133	1.119	1.060	1.093	2.7
Indeno(1,2,3-cd)pyrene		1.097	1.126	1.240	1.346	1.337	1.274	9.5
Dibenzo(a,h)anthracene		0.902	0.931	1.025	1.109	1.094	1.040	8.6
Benzo(g,h,i)perylene		0.898	0.929	1.034	1.130	1.129	1.065	10.6

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

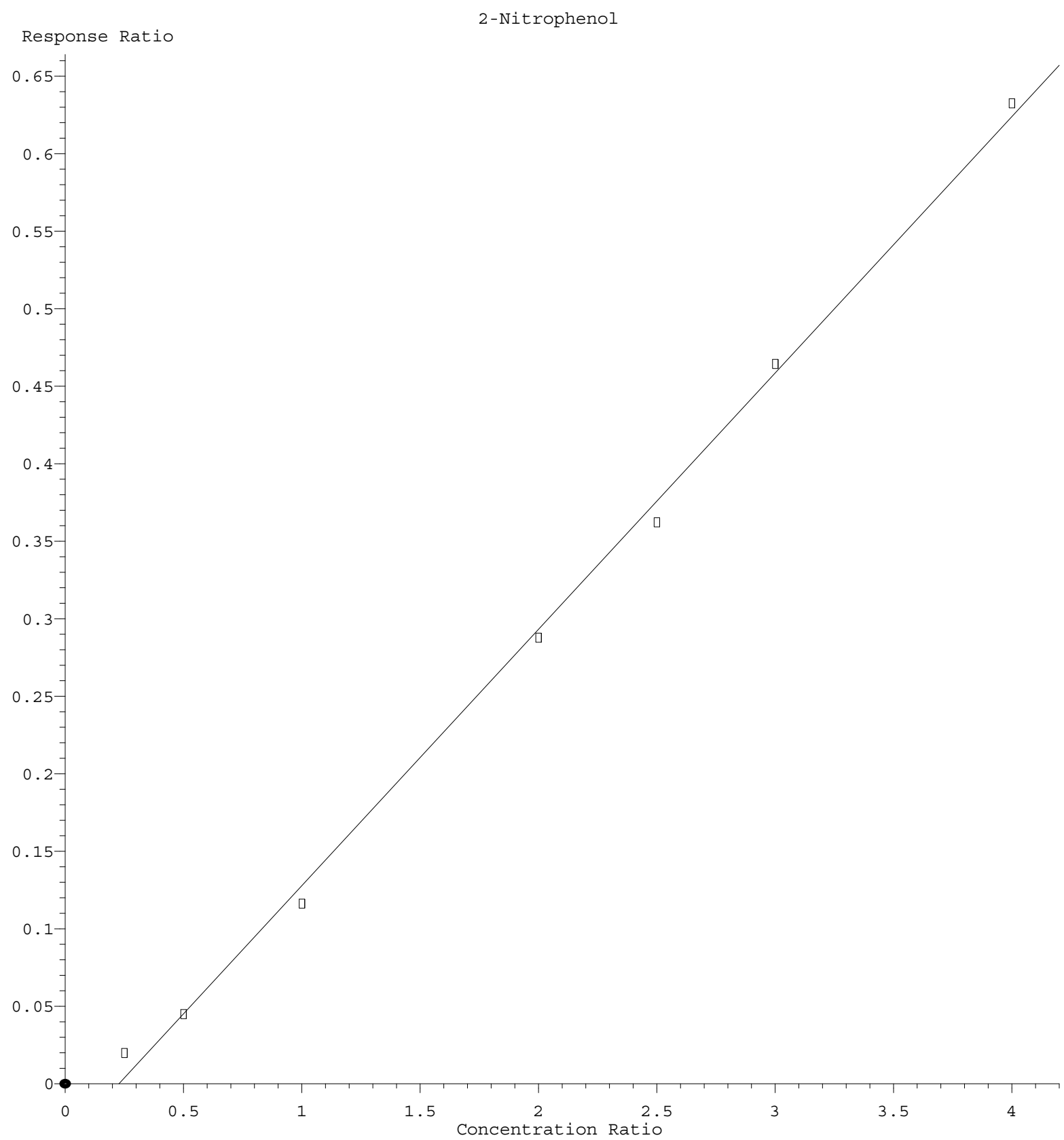
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF022725.M

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

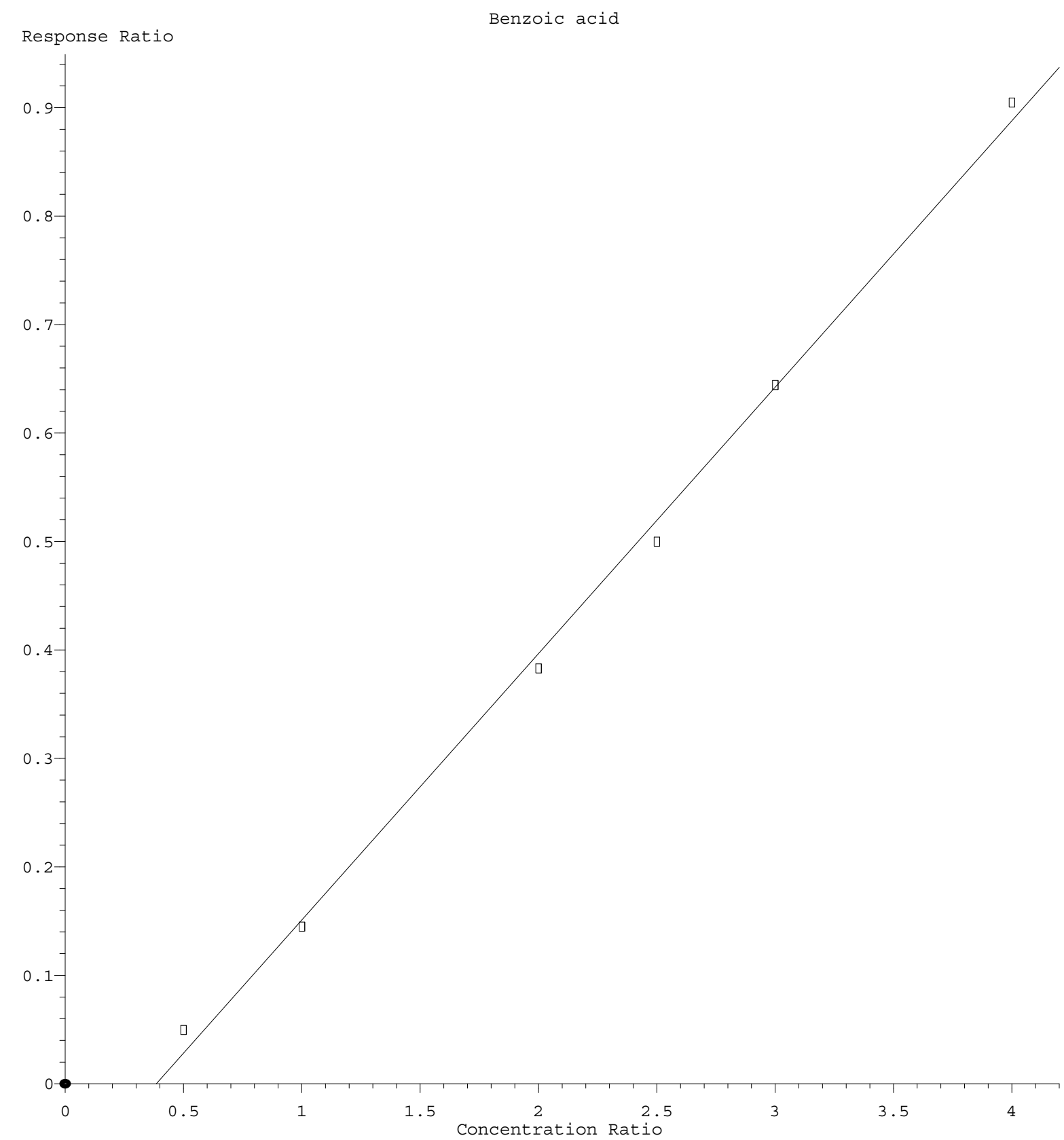
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF022725.M

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

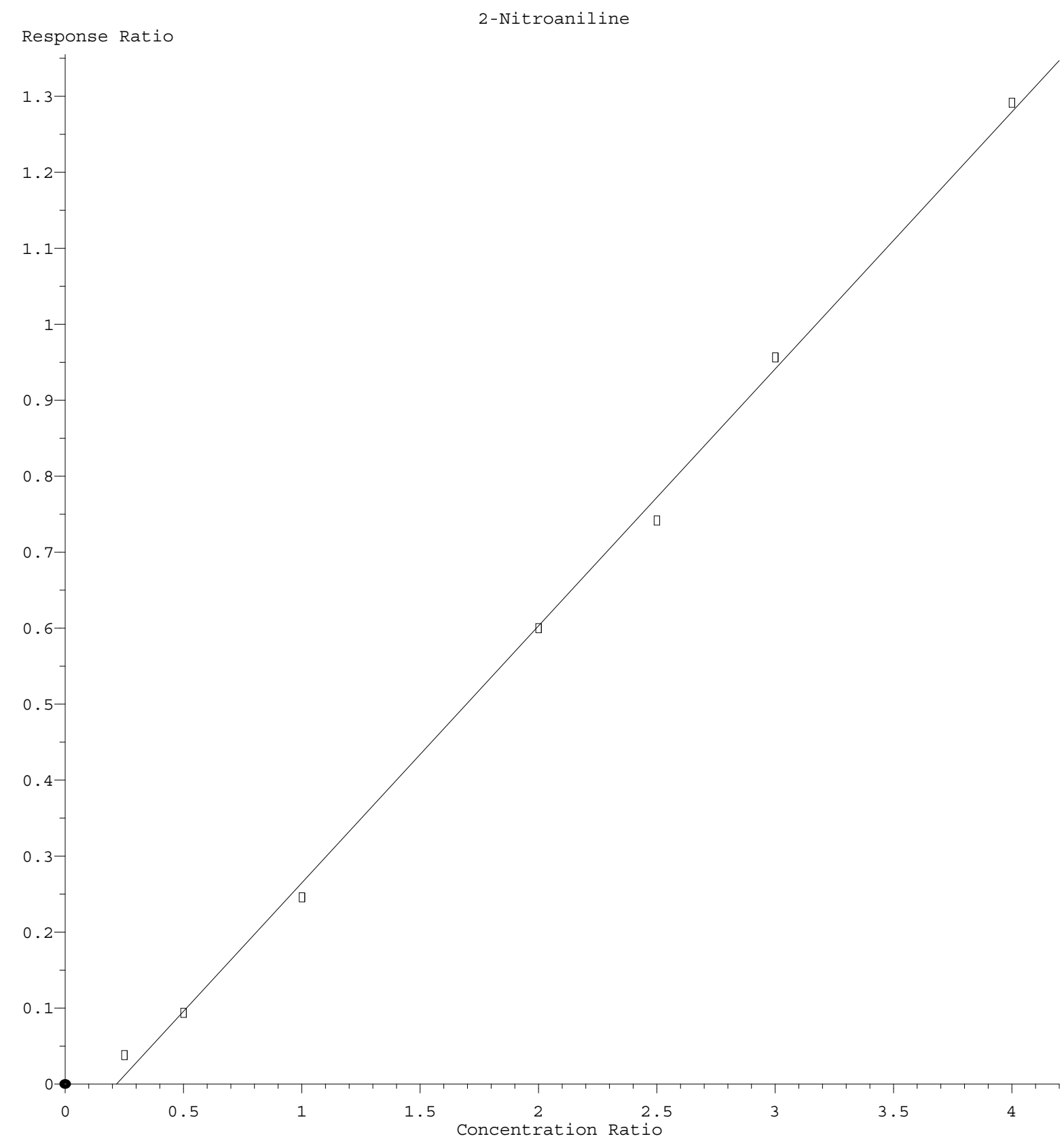
(#) = Out of Range



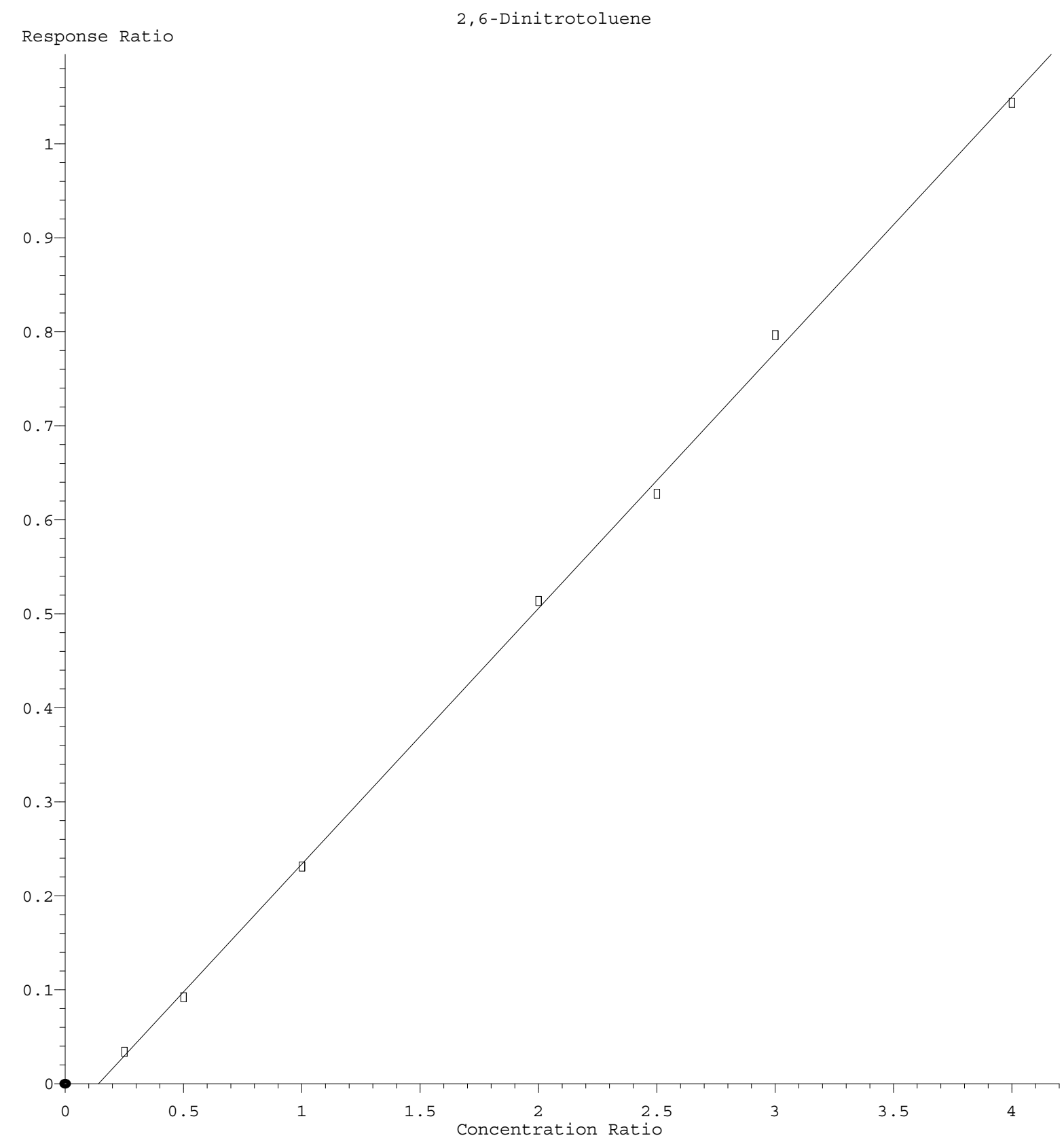
Response = 1.654e-001 * Amt - 3.762e-002
Coef of Det (r^2) = 0.997727 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M
Calibration Table Last Updated: Fri Feb 28 01:48:16 2025



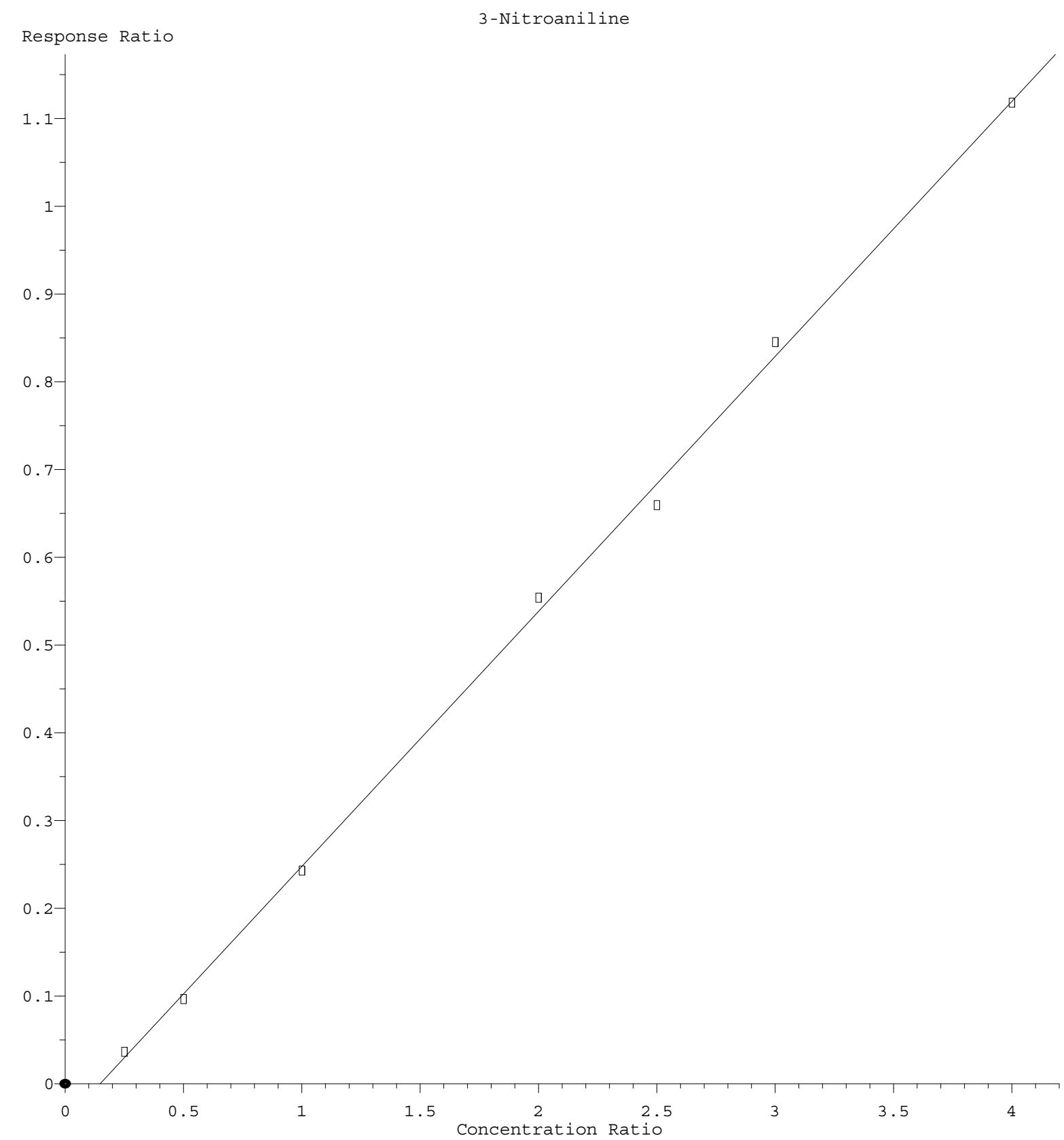
Response = 2.456e-001 * Amt - 9.444e-002
Coef of Det (r^2) = 0.997308 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M
Calibration Table Last Updated: Fri Feb 28 01:48:16 2025



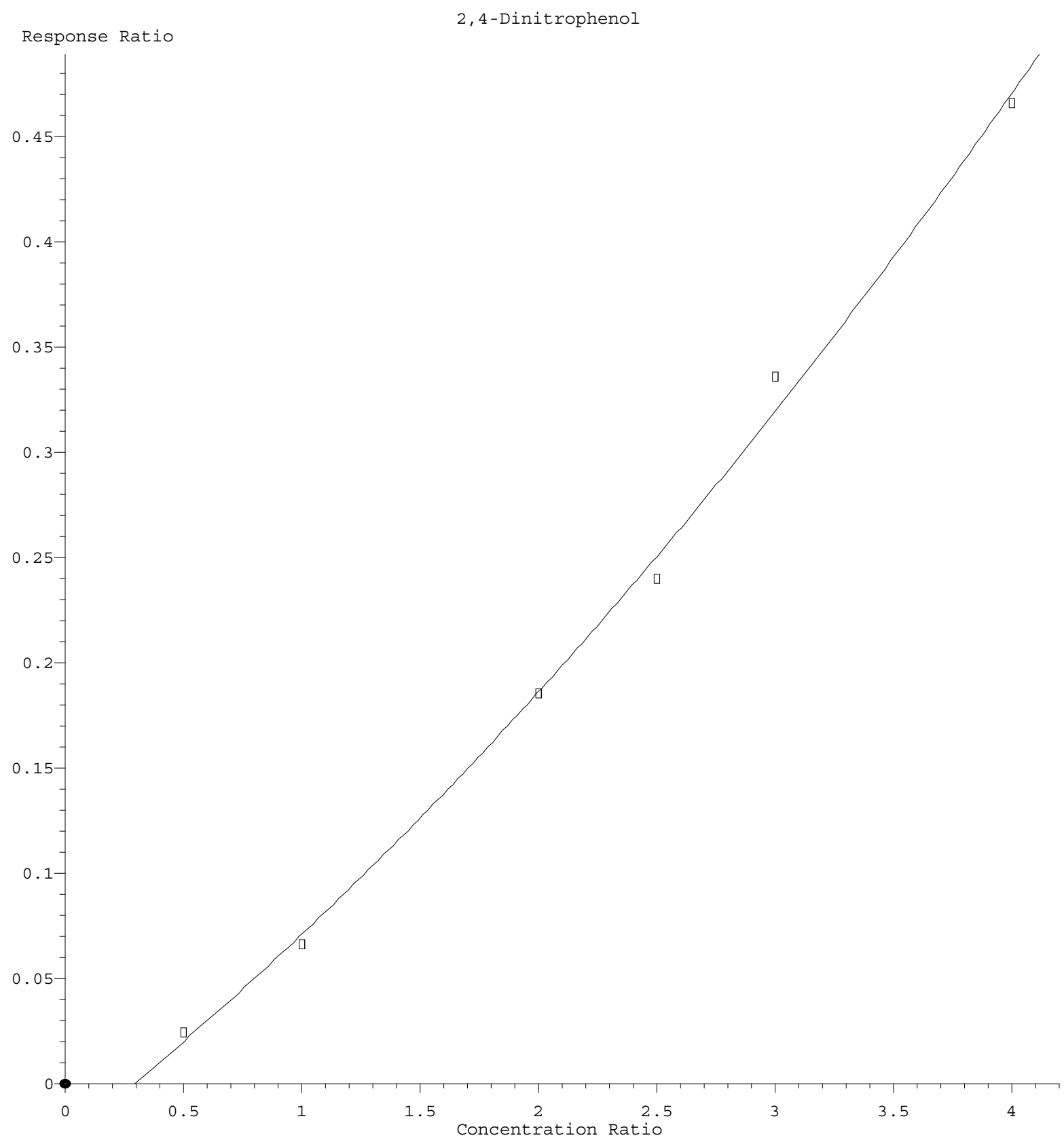
Response = 3.381e-001 * Amt - 7.336e-002
Coef of Det (r^2) = 0.998178 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M
Calibration Table Last Updated: Fri Feb 28 01:48:16 2025



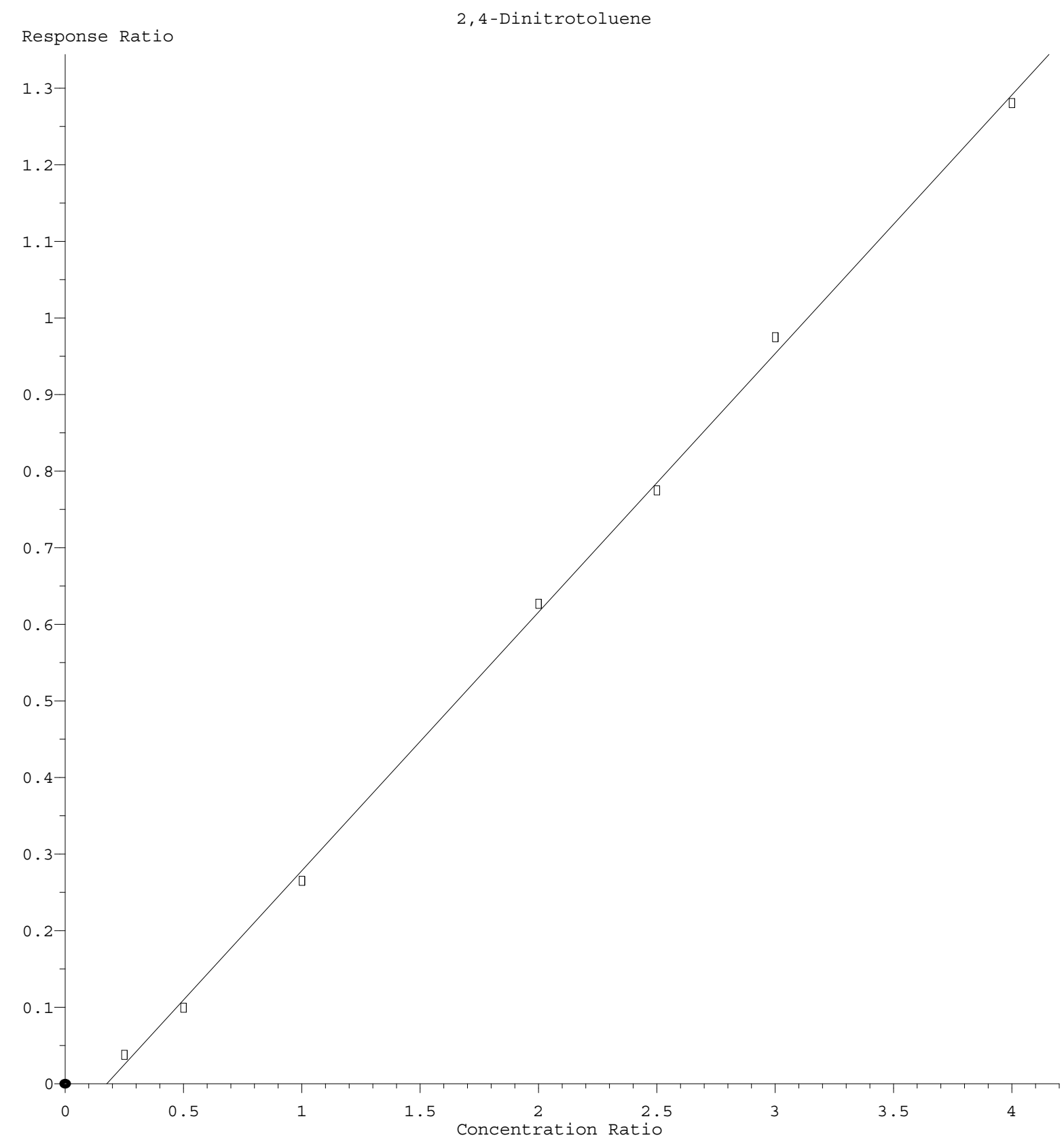
Response = 2.723e-001 * Amt - 3.850e-002
Coef of Det (r^2) = 0.999171 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M
Calibration Table Last Updated: Fri Feb 28 01:48:16 2025



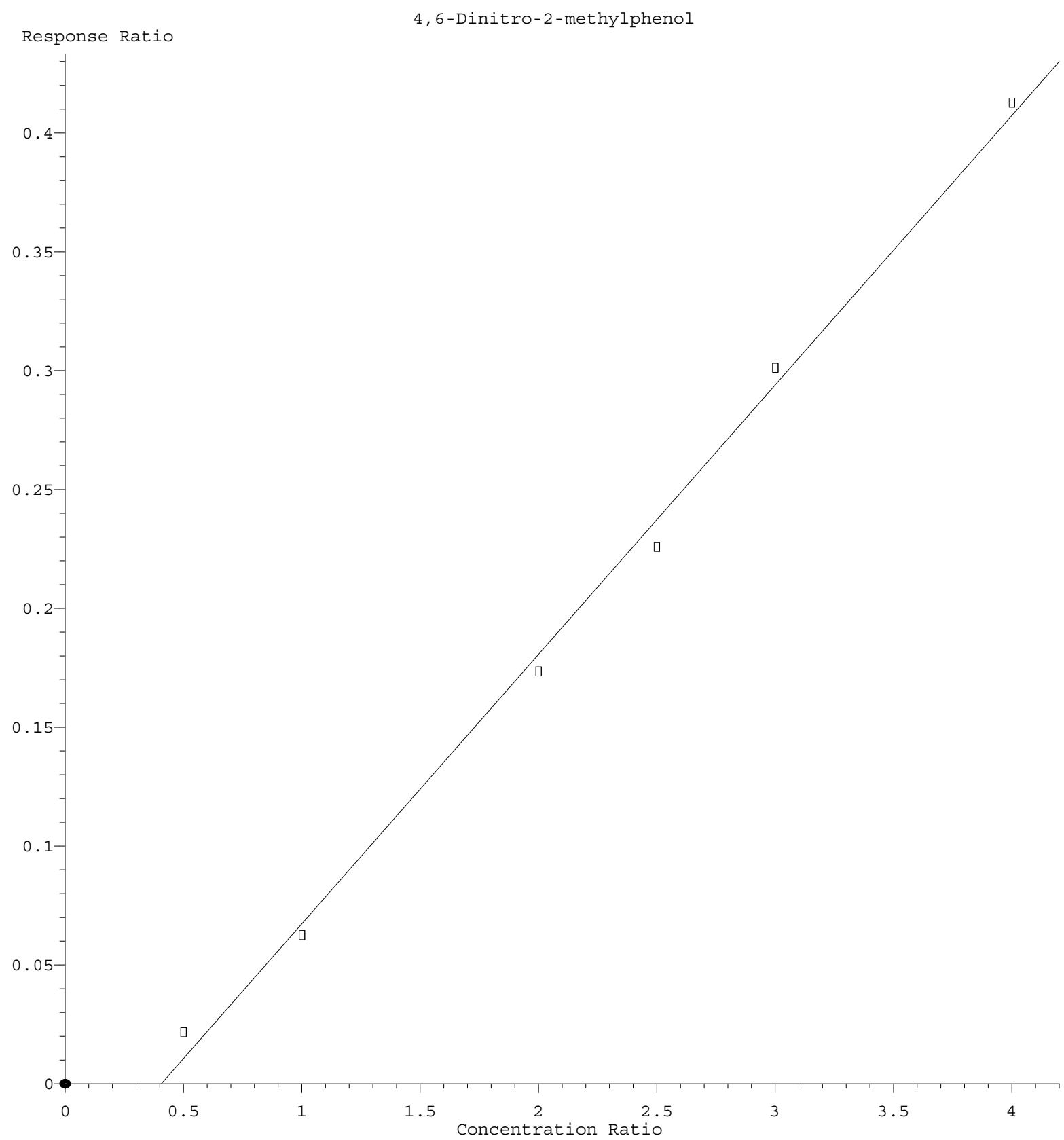
Response = 2.909e-001 * Amt - 4.315e-002
Coef of Det (r^2) = 0.998769 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M
Calibration Table Last Updated: Fri Feb 28 01:48:16 2025



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

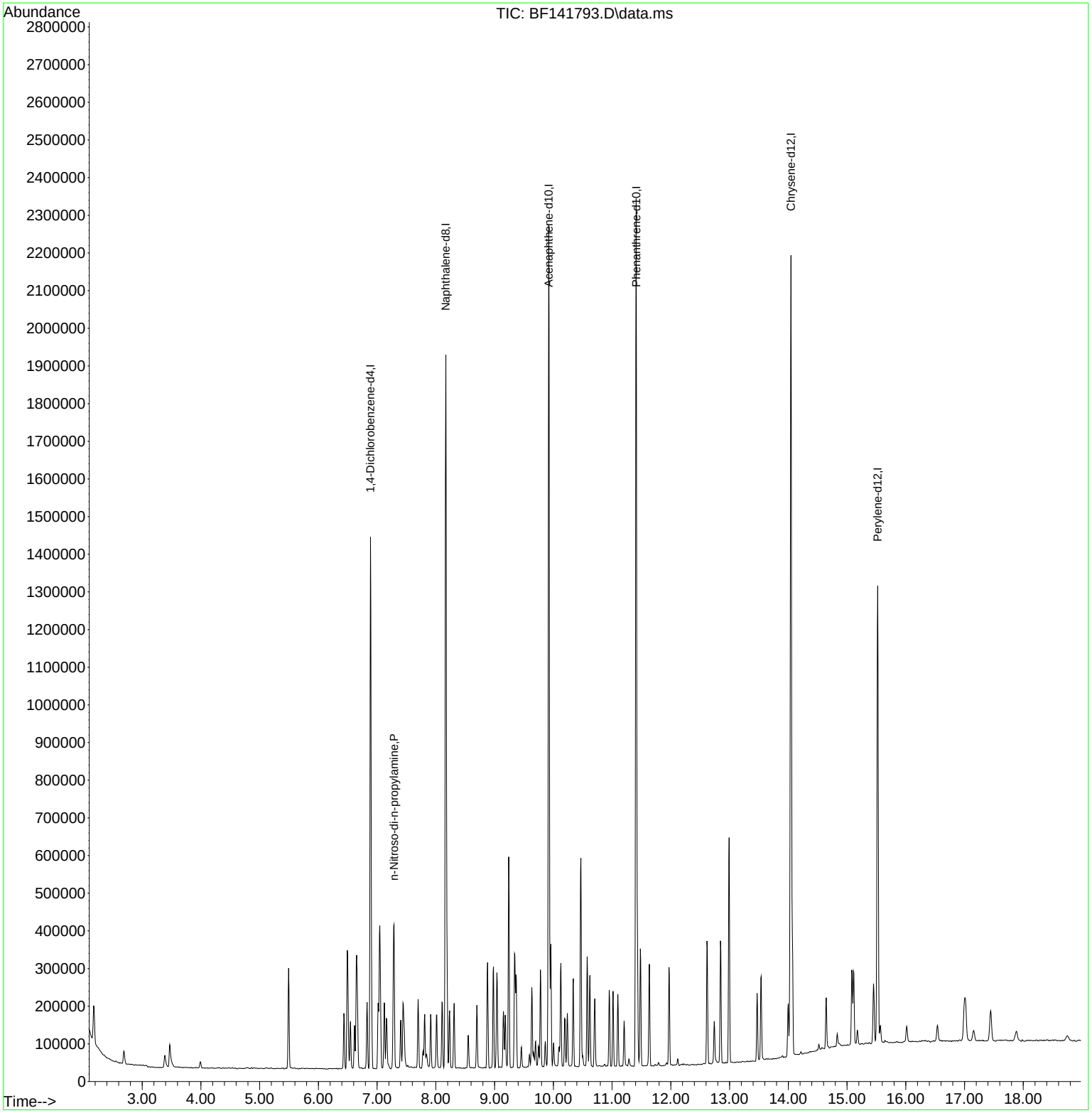
(#) = qualifier out of range (m) = manual integration (+) = signals summed

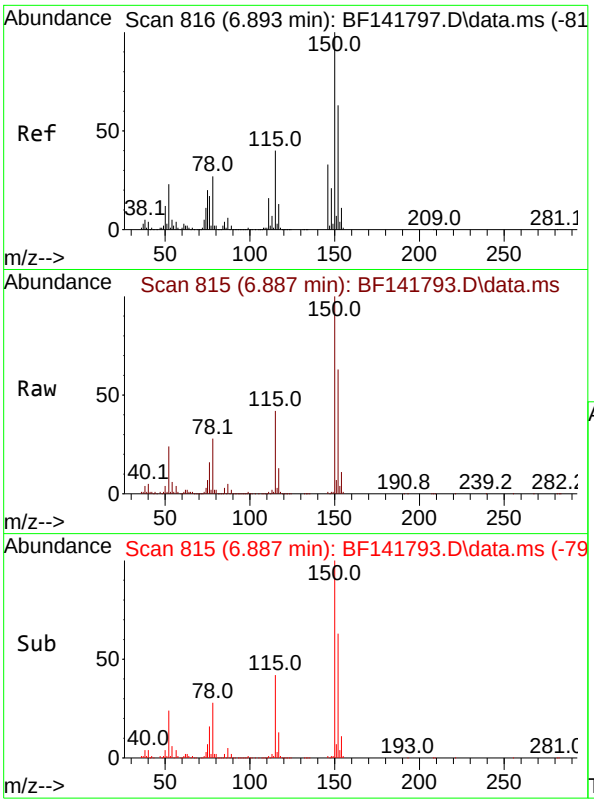
ICAL Form

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



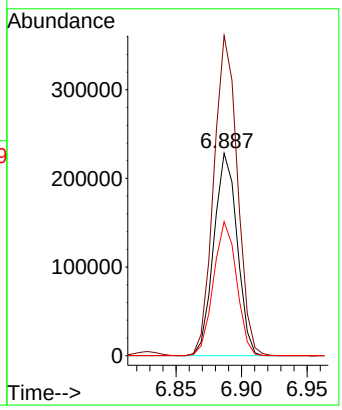


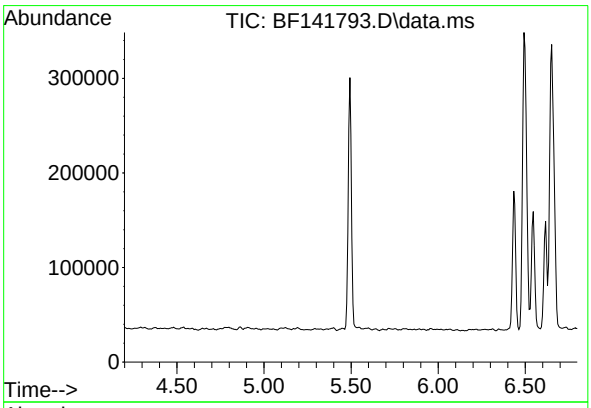
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

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



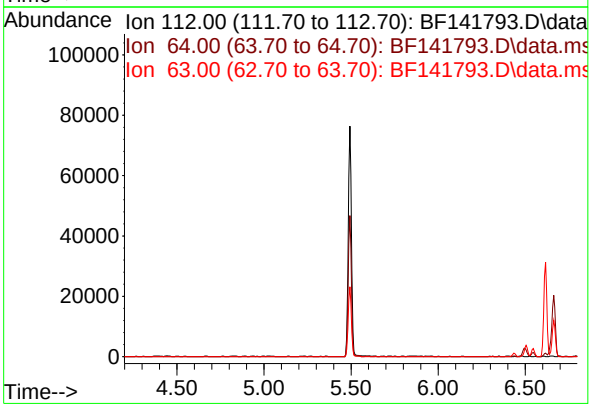


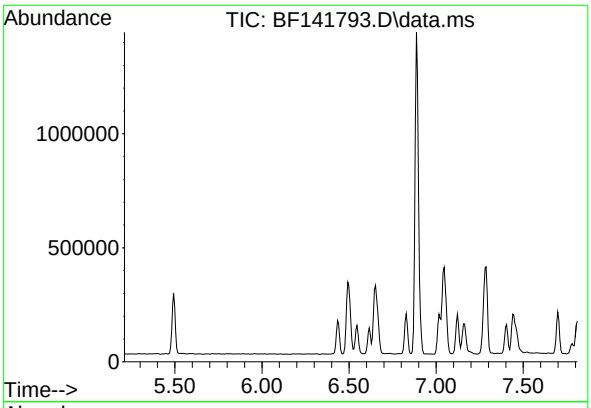
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.50 min

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

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	64.1
63	32.8





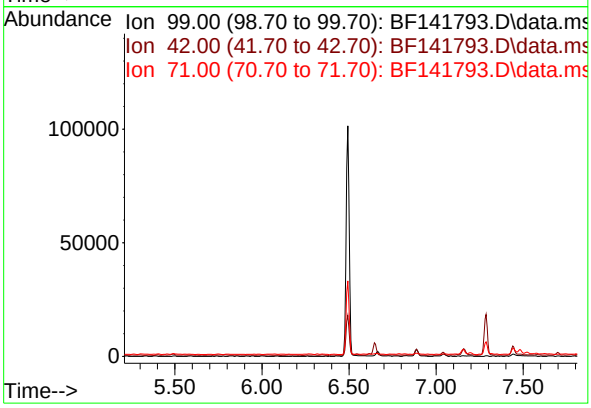
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.51 min

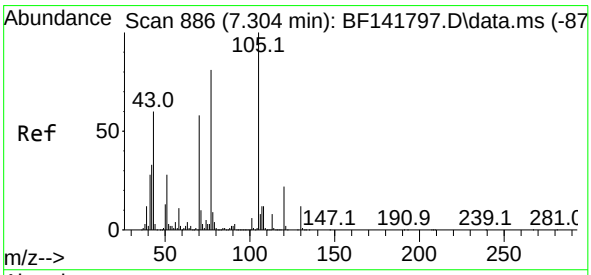
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

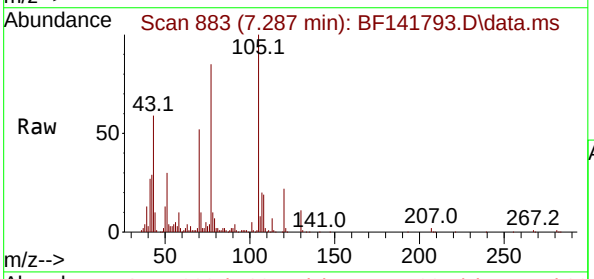
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

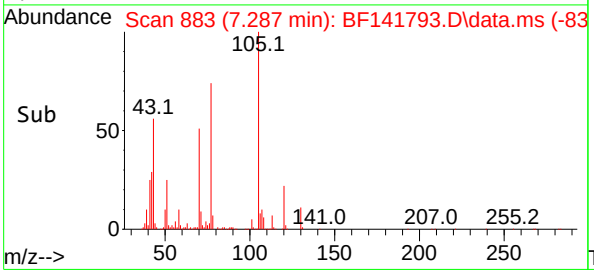
Tgt Ion: 99

Sig	Exp Ratio
99	100
42	19.0
71	35.2





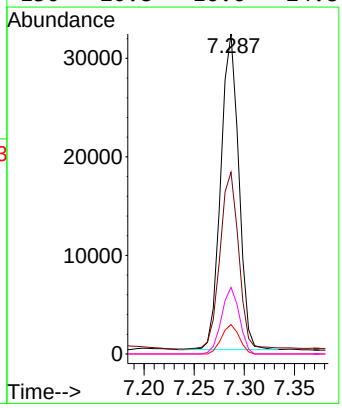


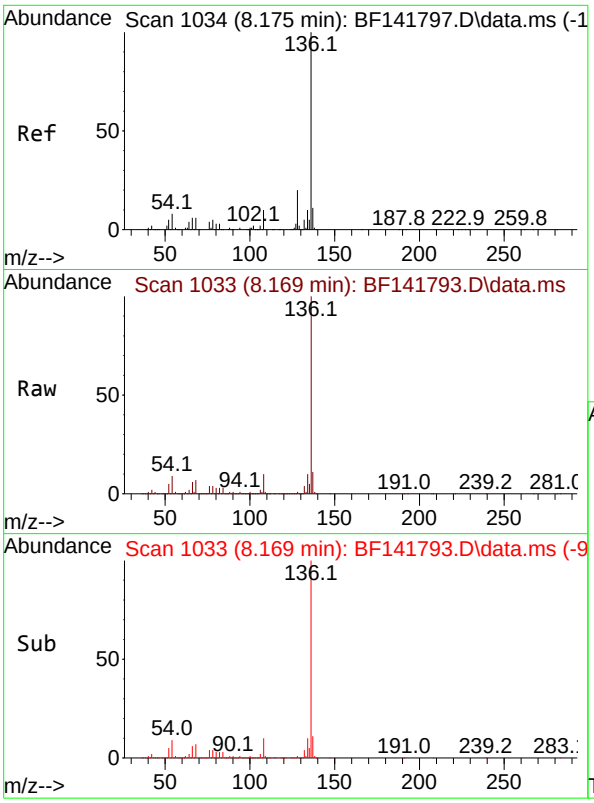


#19
n-Nitroso-di-n-propylamine
Concen: 2.936 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.018 min
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

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



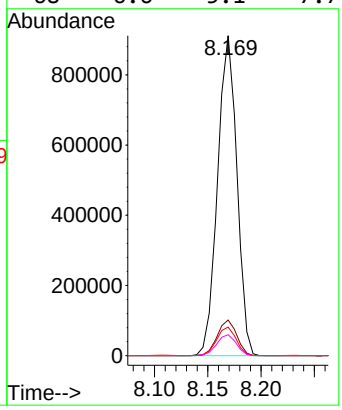


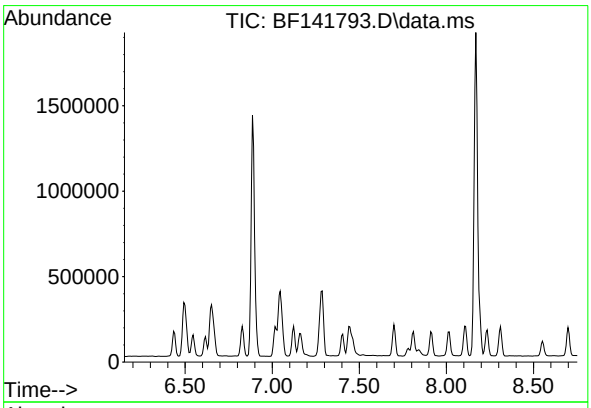
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

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



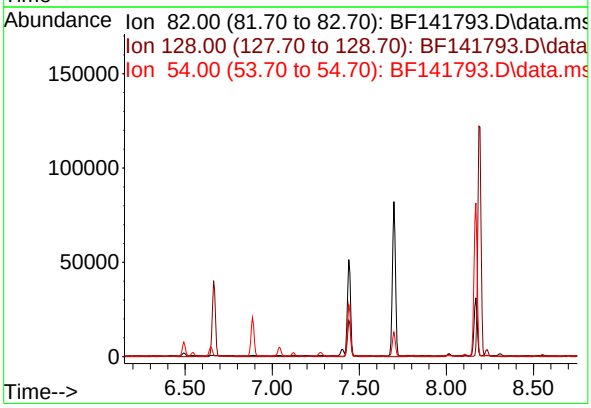


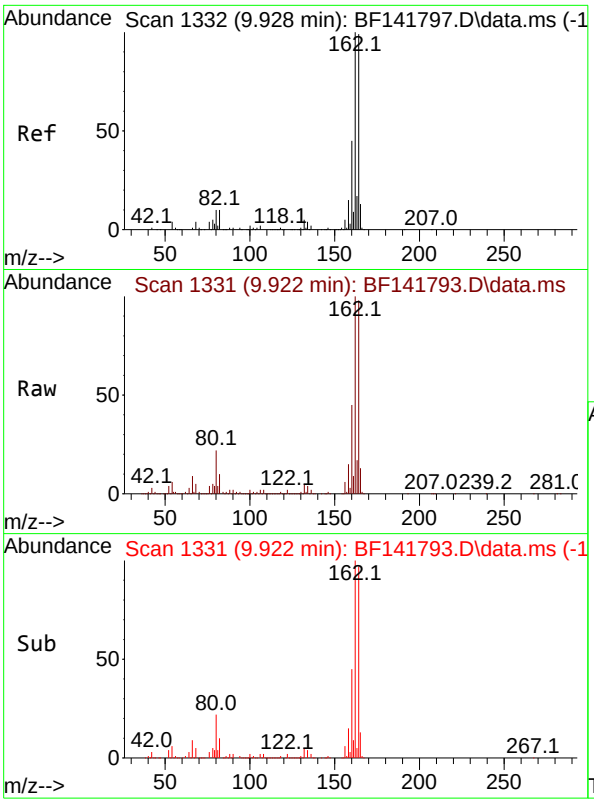
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.45 min

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

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	41.9
54	53.4



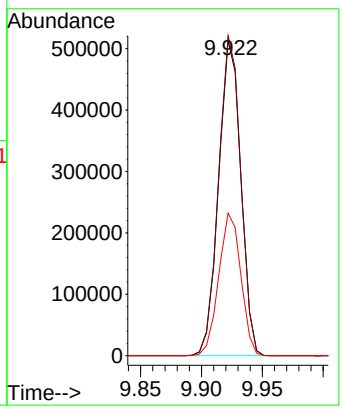


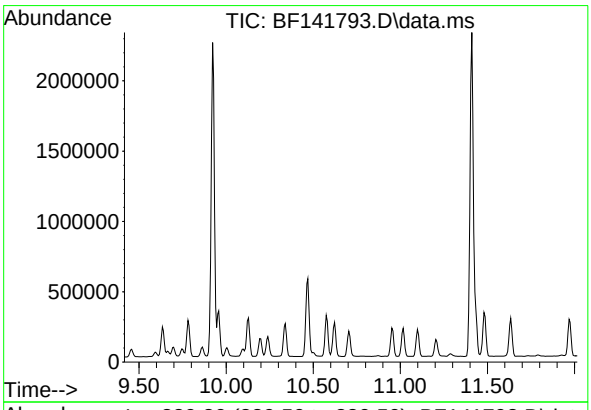
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

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



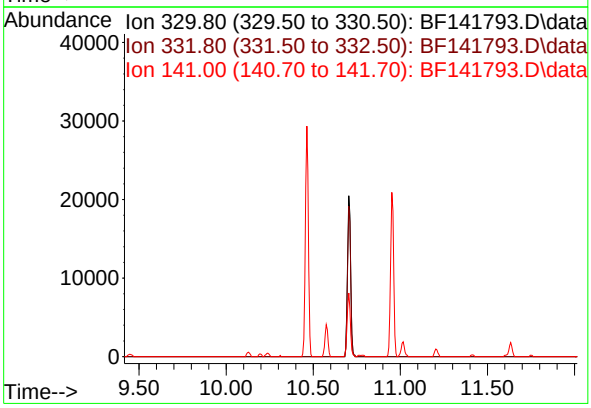


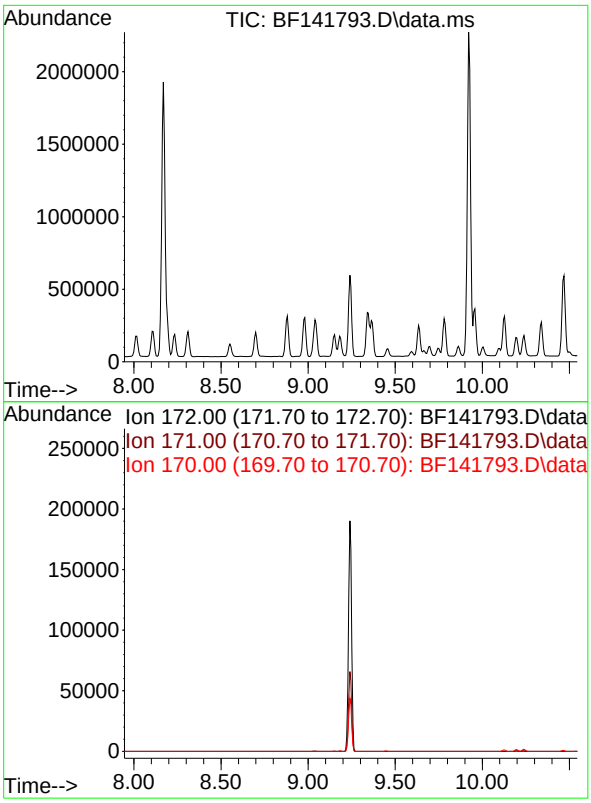
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.72 min

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

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	95.8
141	36.2





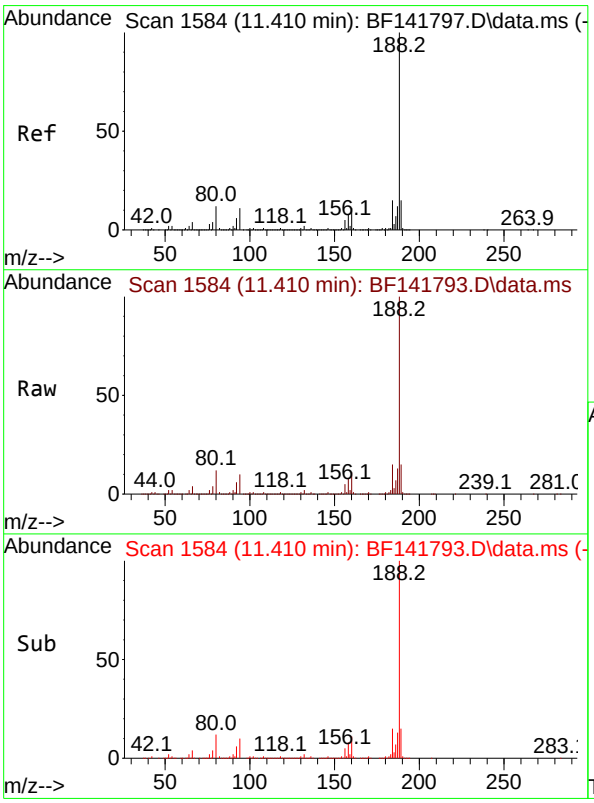
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.25 min

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

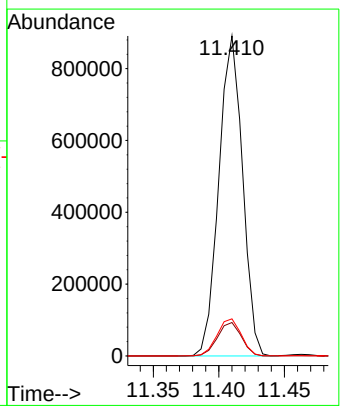
Sig	Exp Ratio
172	100
171	36.5
170	24.6

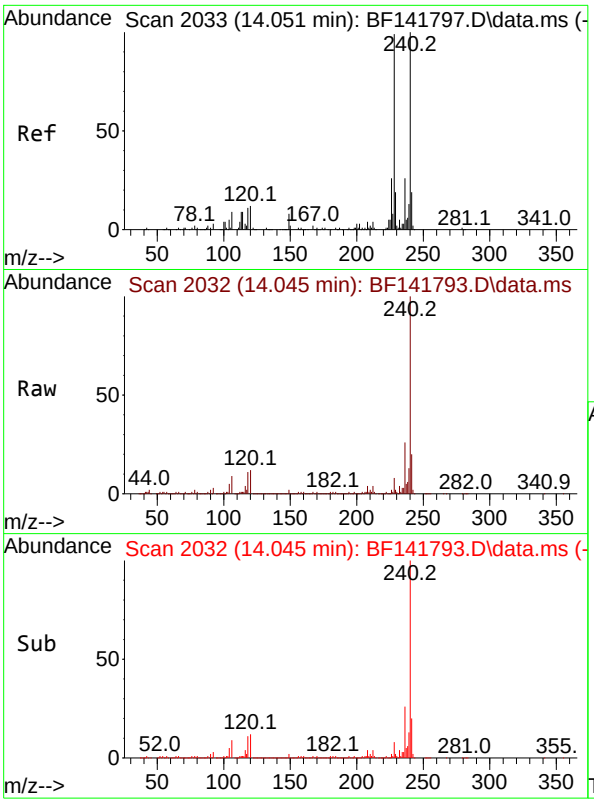


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

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



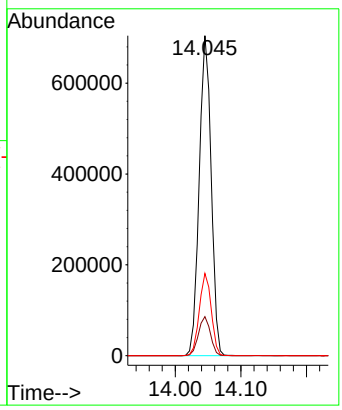


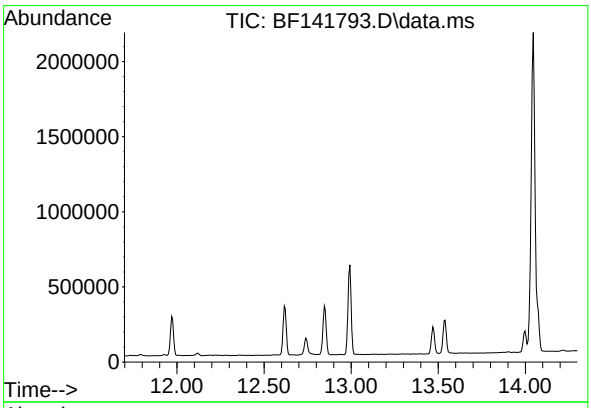
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

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



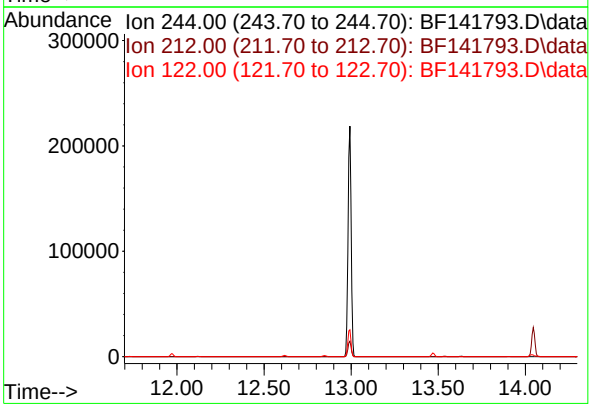


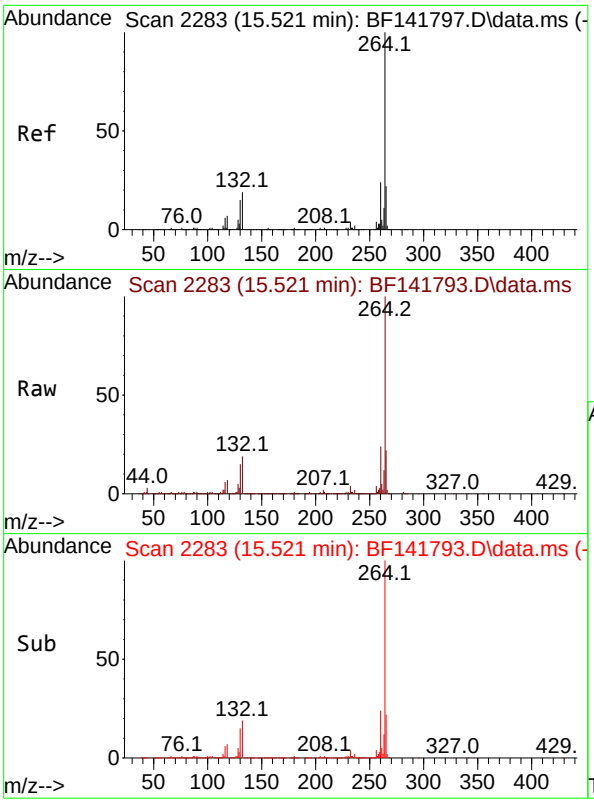
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.00 min

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

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.5
122	11.3



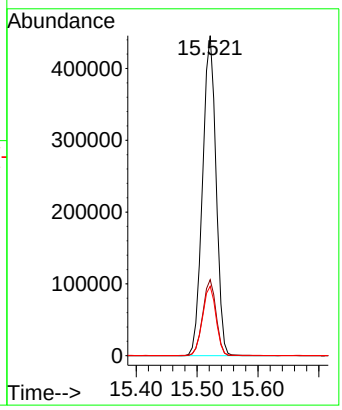


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

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

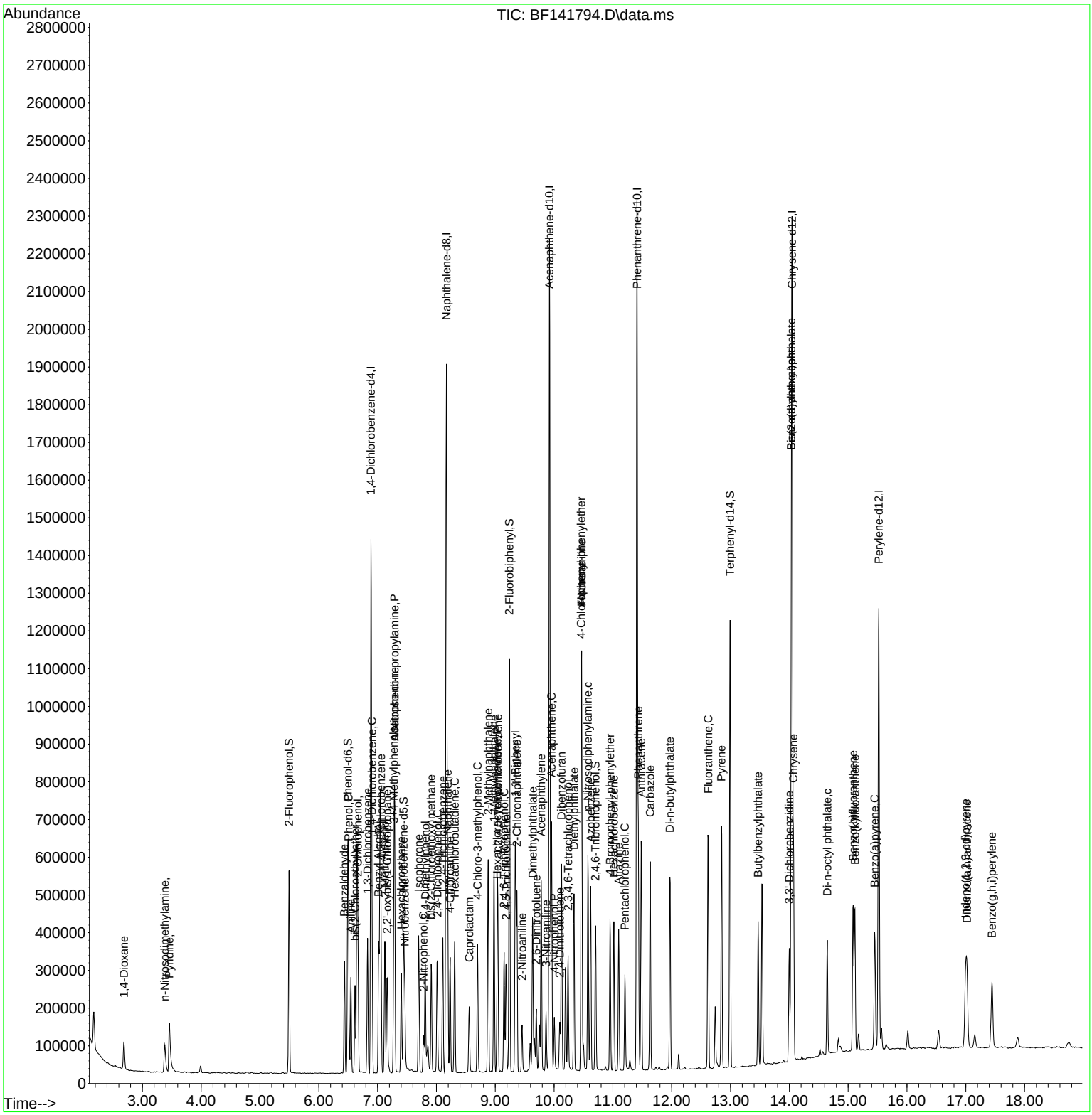
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Data File : BF141794.D
Acq On : 27 Feb 2025 15:46
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

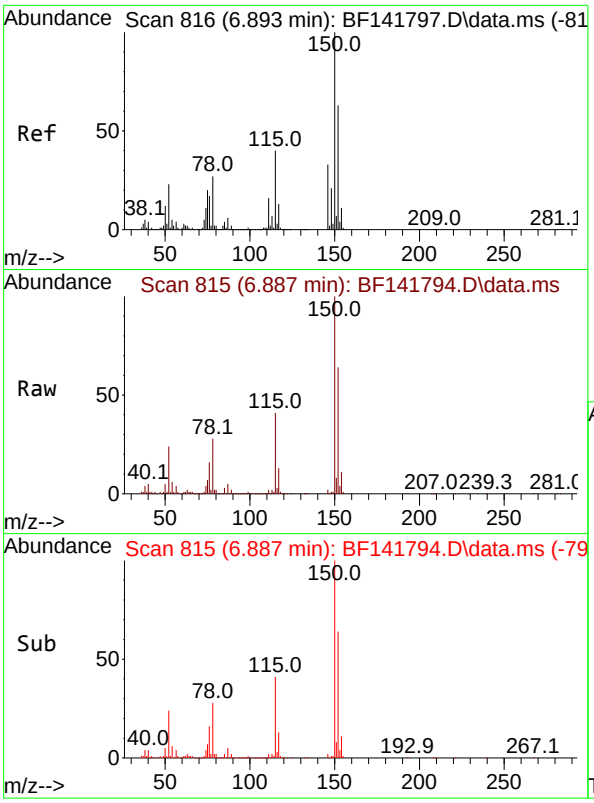
Quant Time: Feb 28 01:23:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

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

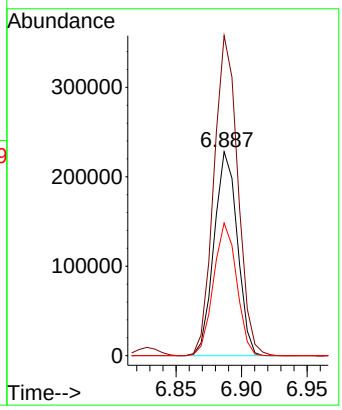




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:152 Resp: 28155

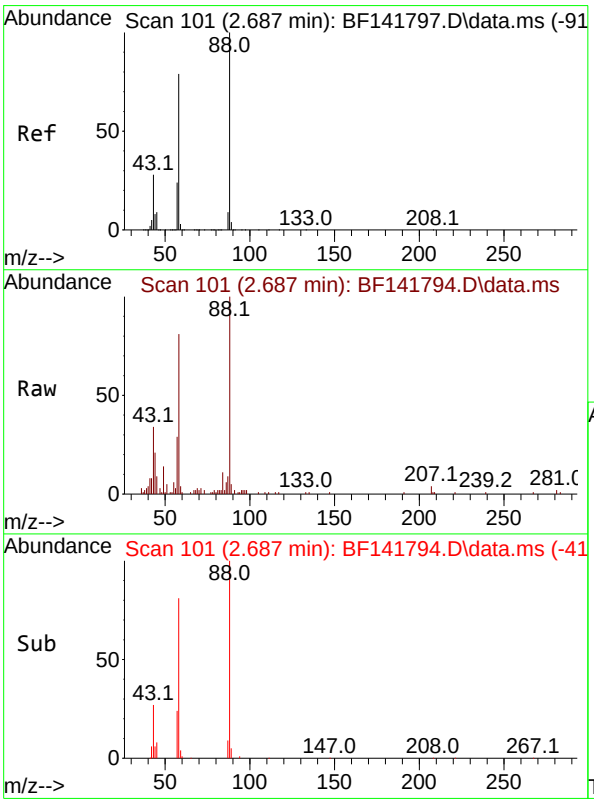
Ion	Ratio	Lower	Upper
152	100		
150	156.8	127.5	191.3
115	65.0	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

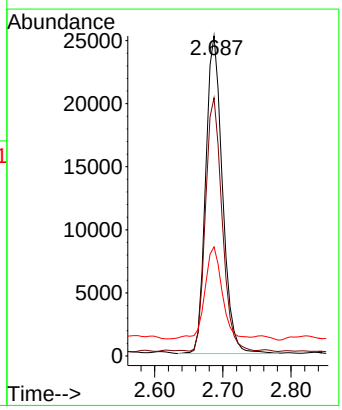
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

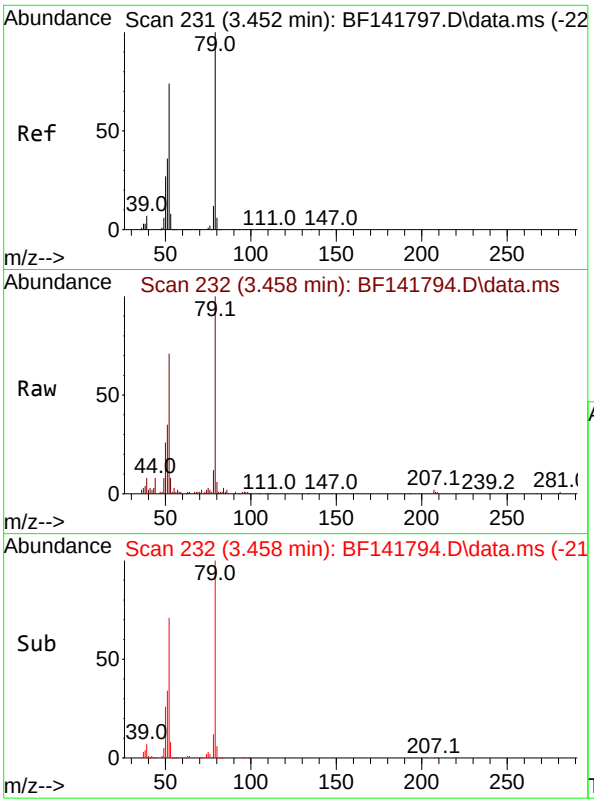


#2
1,4-Dioxane
Concen: 5.391 ng
RT: 2.687 min Scan# 101
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

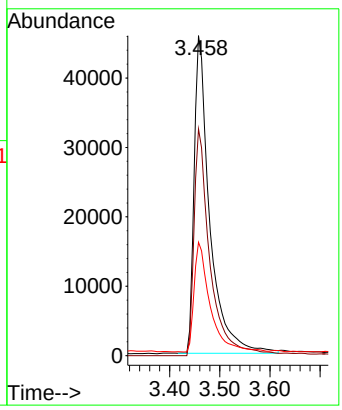




#3
Pyridine
Concen: 4.960 ng
RT: 3.458 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 79 Resp: 9872

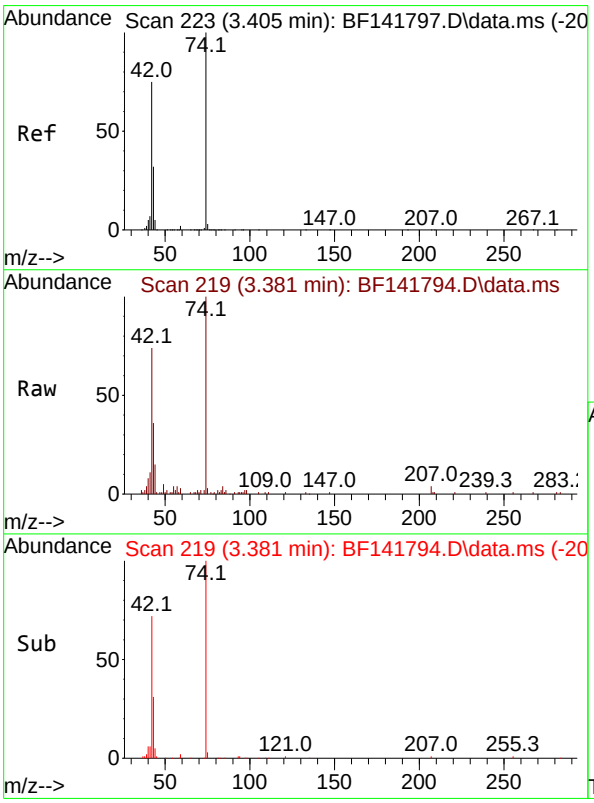
Ion	Ratio	Lower	Upper
79	100		
52	70.9	59.0	88.4
51	35.5	29.0	43.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

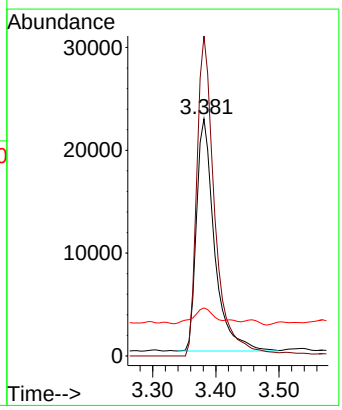
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

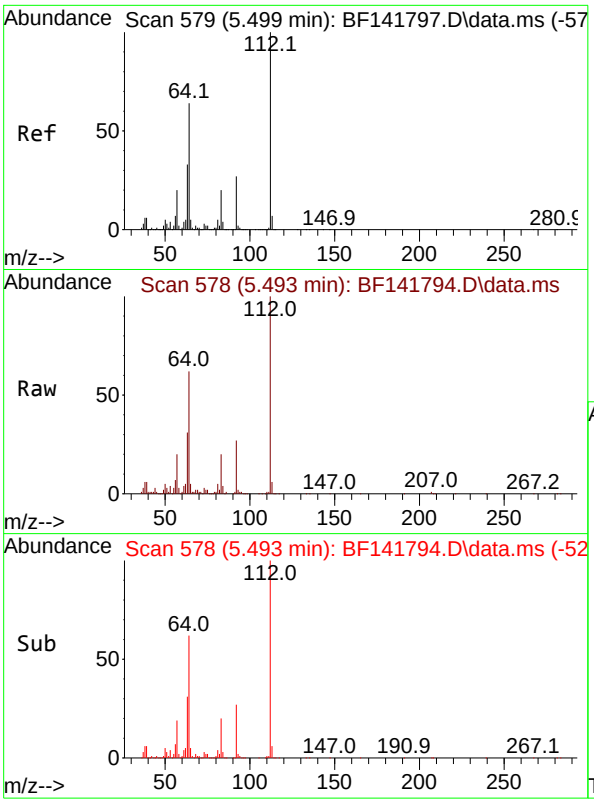


#4
n-Nitrosodimethylamine
Concen: 4.663 ng
RT: 3.381 min Scan# 219
Delta R.T. -0.024 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

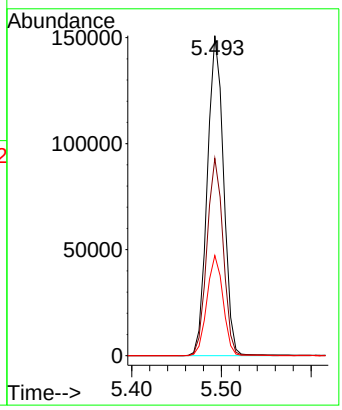
Tgt Ion:112 Resp: 18980

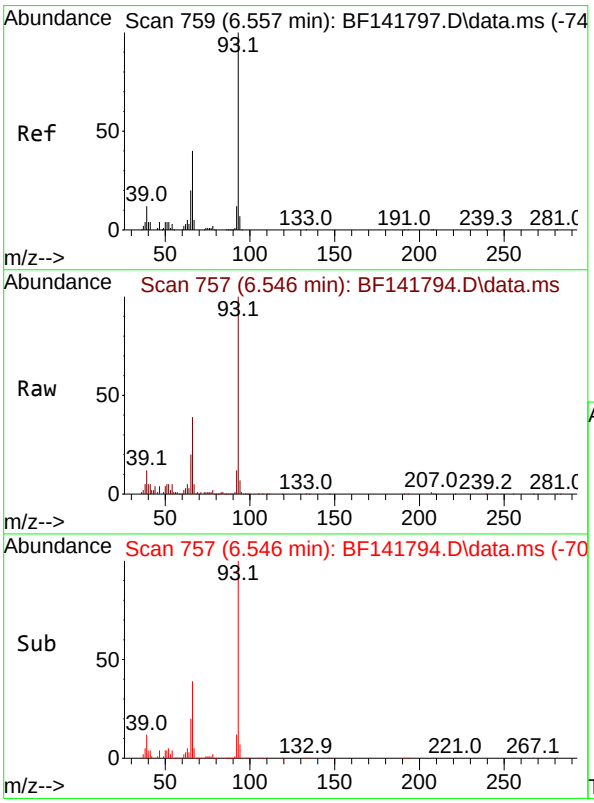
Ion	Ratio	Lower	Upper
112	100		
64	61.7	51.3	76.9
63	31.3	26.2	39.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

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

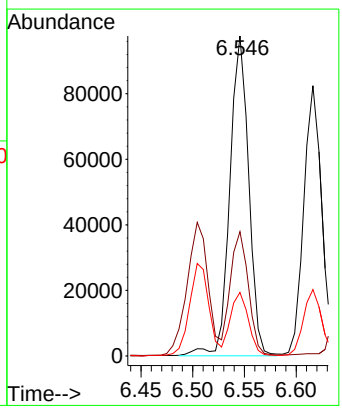


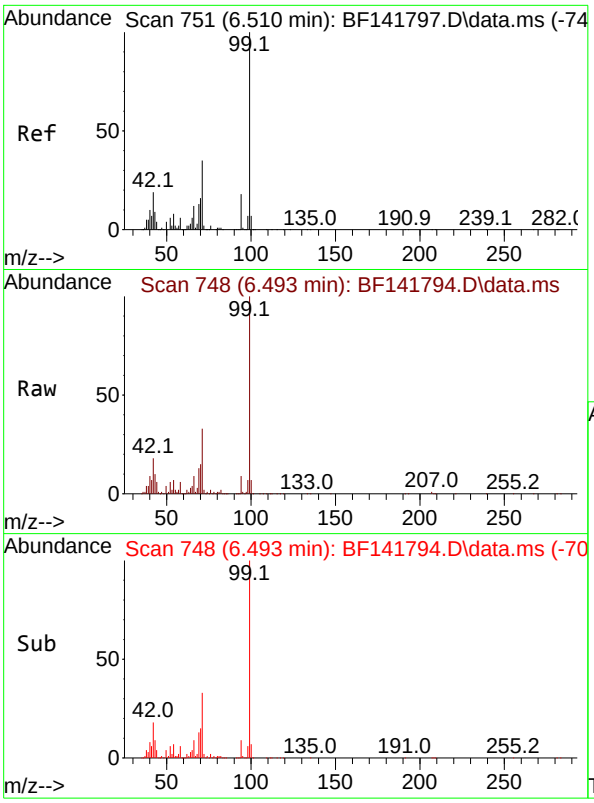


#6
Aniline
Concen: 5.180 ng m
RT: 6.546 min Scan# 757
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

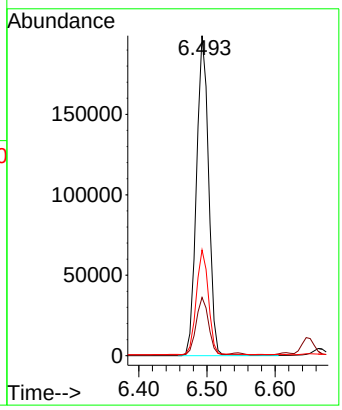




#7
Phenol-d6
Concen: 10.737 ng
RT: 6.493 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 99 Resp: 24639

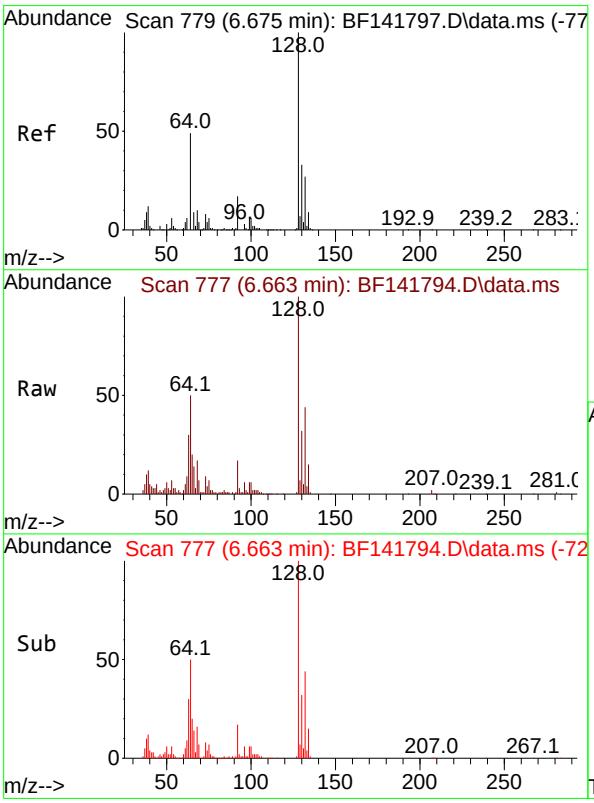
Ion	Ratio	Lower	Upper
99	100		
42	18.2	15.2	22.8
71	33.0	28.2	42.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

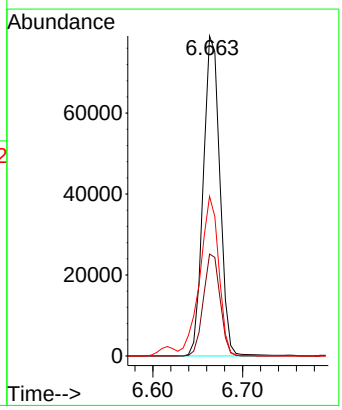
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

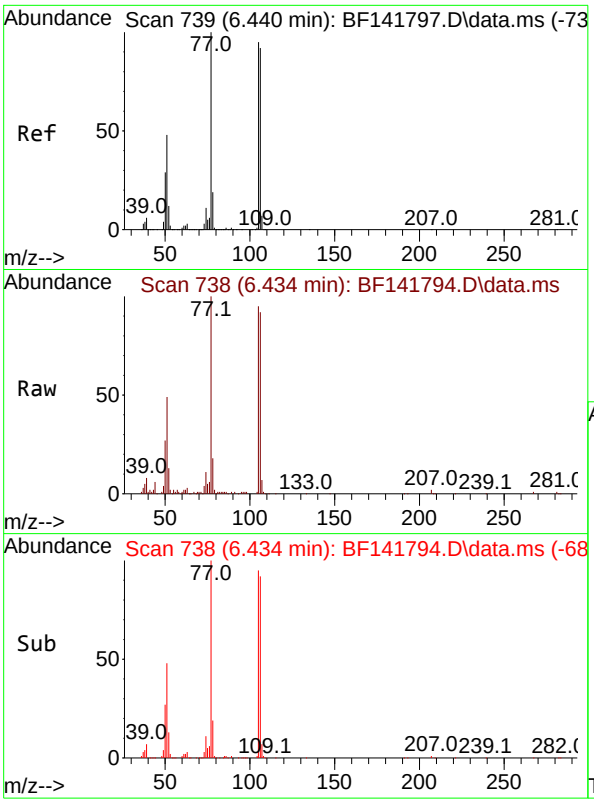


#8
2-Chlorophenol
Concen: 5.324 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

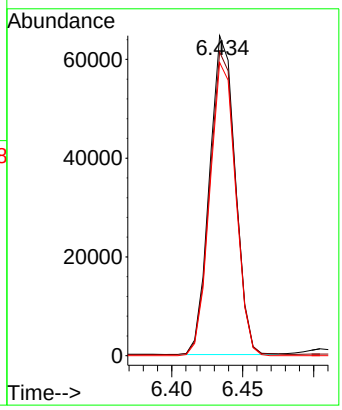




#9
Benzaldehyde
Concen: 6.070 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 77 Resp: 8102

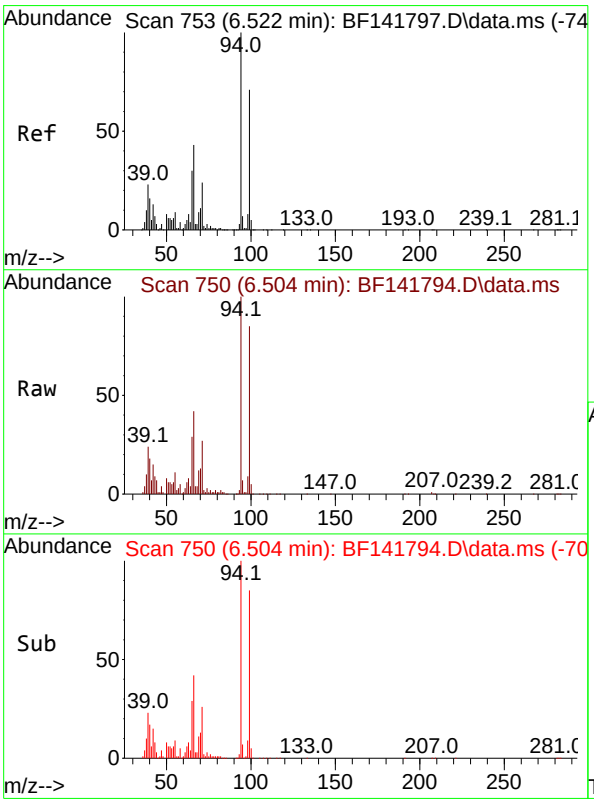
Ion	Ratio	Lower	Upper
77	100		
105	94.9	75.3	115.3
106	91.6	72.3	112.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

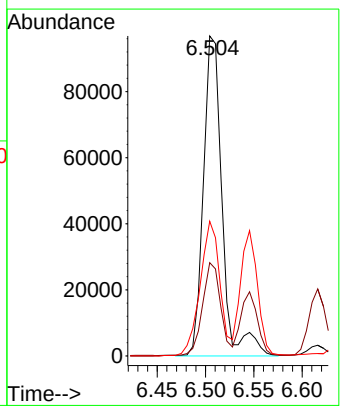
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

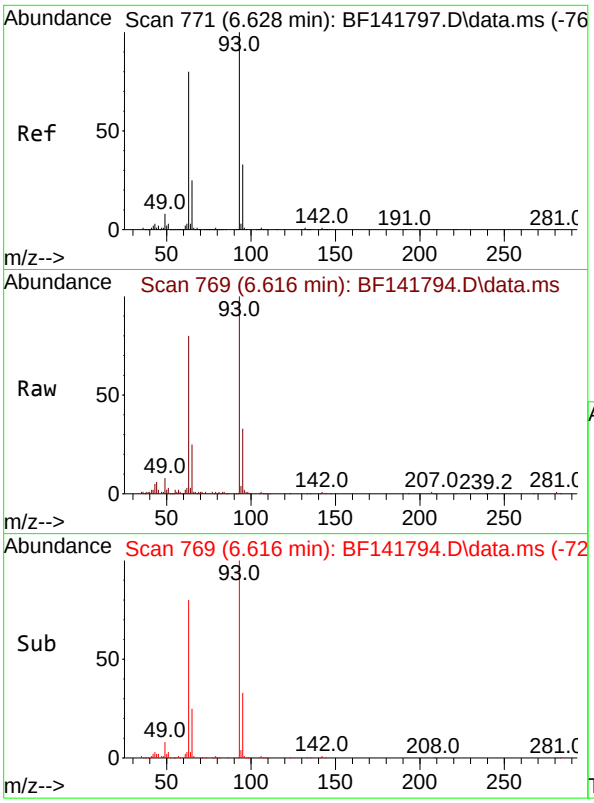


#10
Phenol
Concen: 5.339 ng m
RT: 6.504 min Scan# 750
Delta R.T. -0.018 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

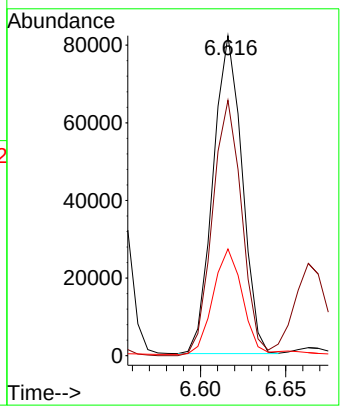




#11
bis(2-Chloroethyl)ether
Concen: 5.187 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 93 Resp: 9695

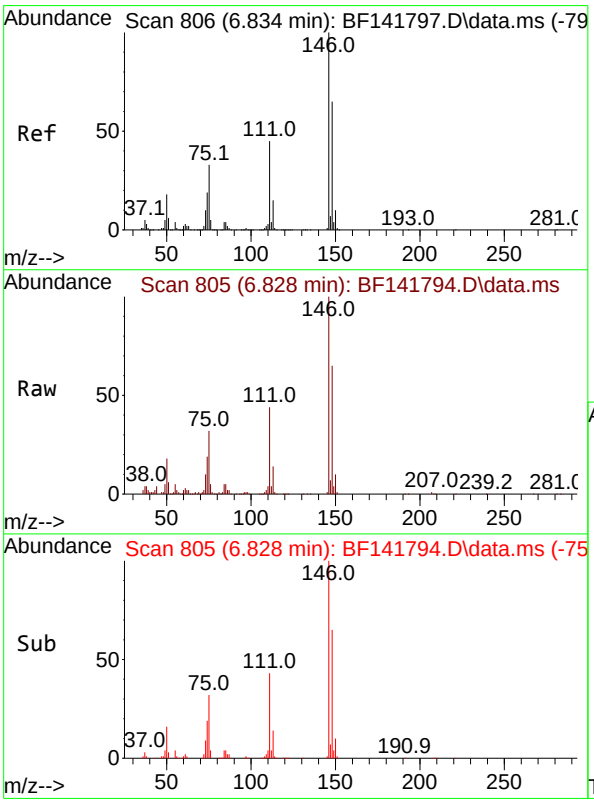
Ion	Ratio	Lower	Upper
93	100		
63	79.8	59.3	99.3
95	33.3	13.2	53.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

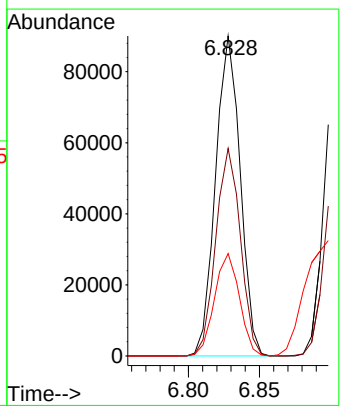
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

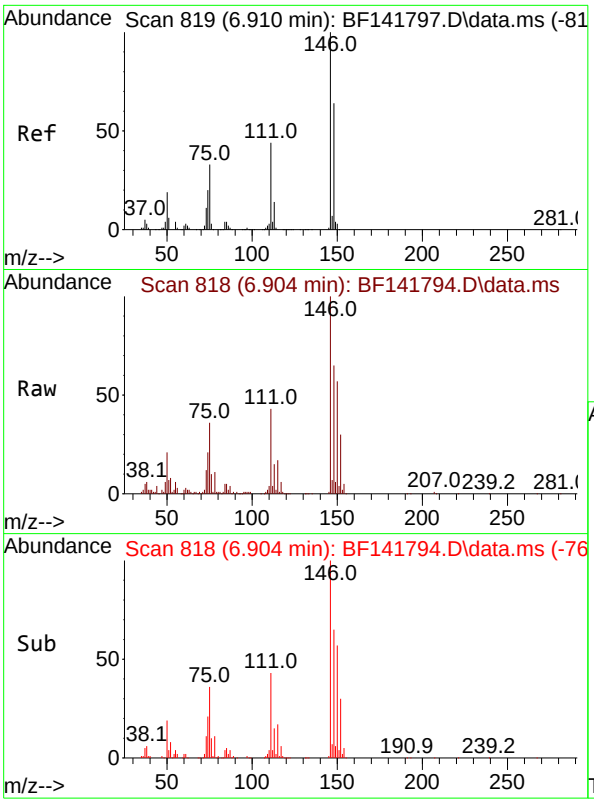


#12
1,3-Dichlorobenzene
Concen: 5.321 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

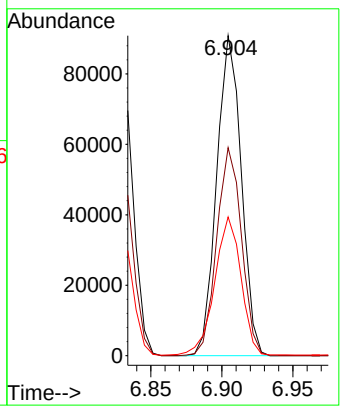




#13
1,4-Dichlorobenzene
Concen: 5.315 ng
RT: 6.904 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:146 Resp: 10938

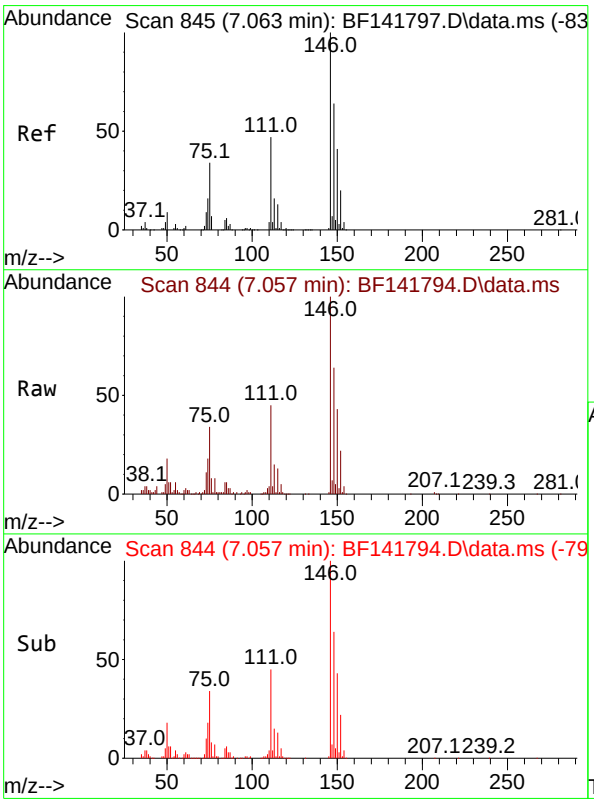
Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.4	77.2
111	43.4	35.5	53.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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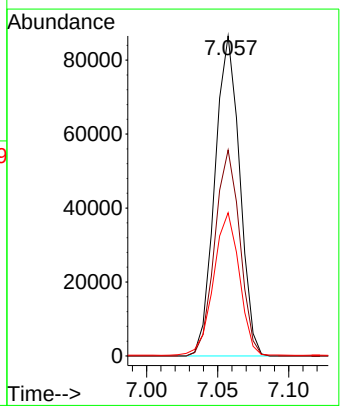
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

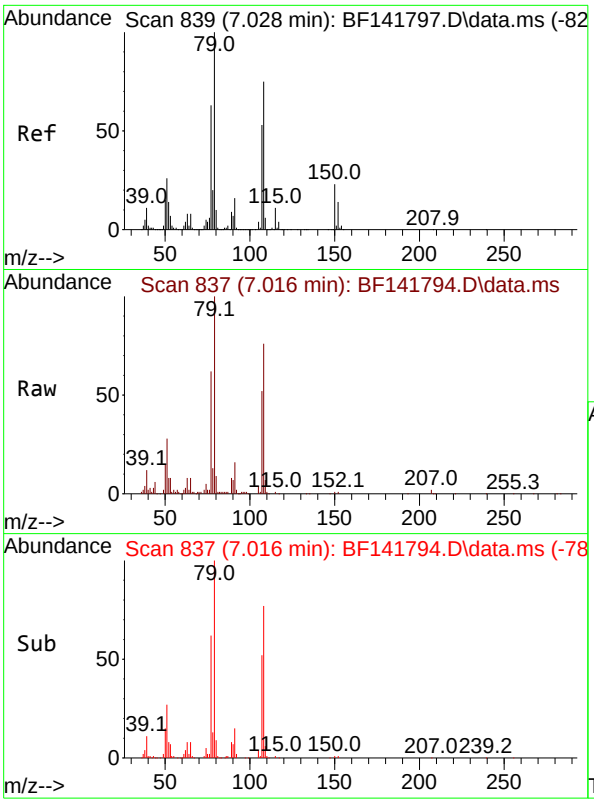


#14
1,2-Dichlorobenzene
Concen: 5.468 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

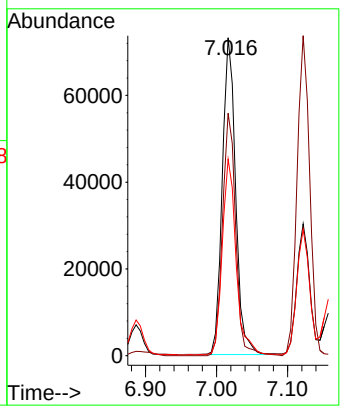
Tgt Ion: 79 Resp: 9484

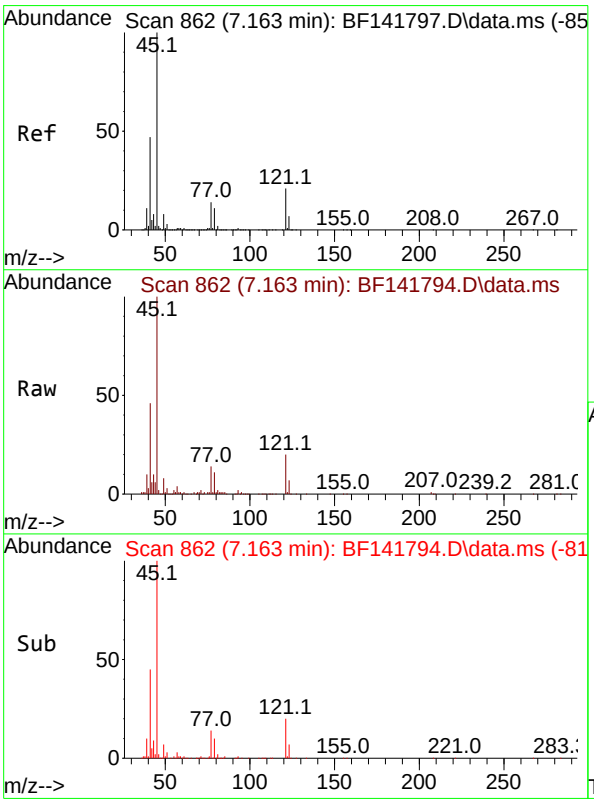
Ion	Ratio	Lower	Upper
79	100		
108	76.3	60.2	90.2
77	61.8	50.2	75.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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

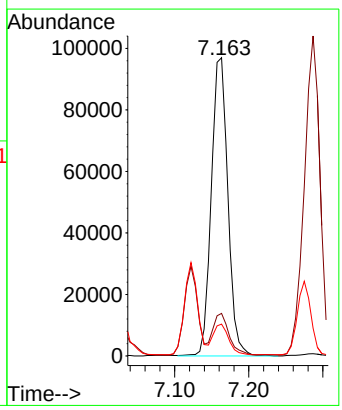


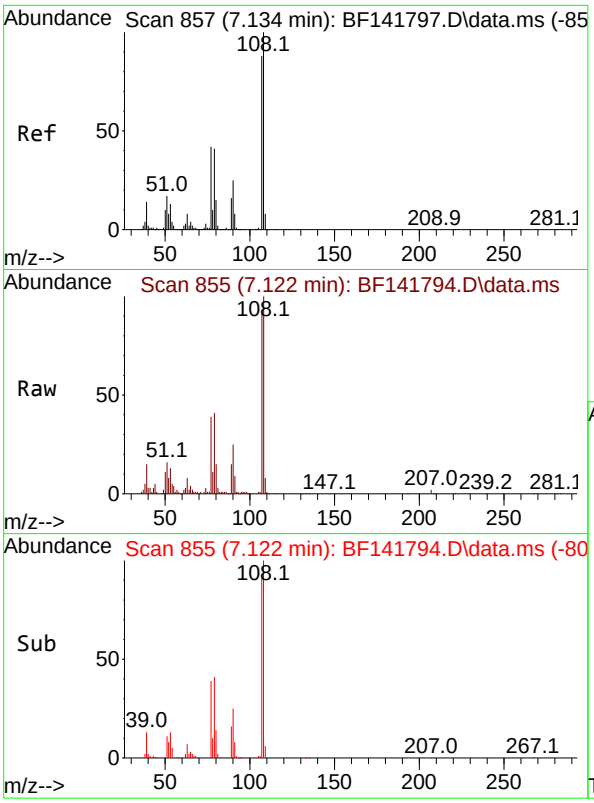


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.303 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

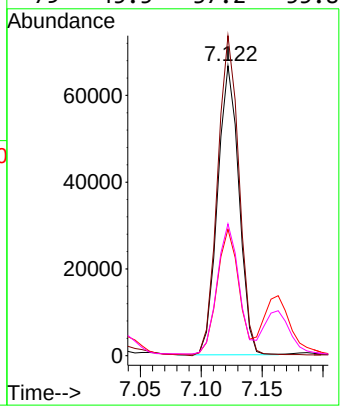




#17
2-Methylphenol
Concen: 5.165 ng
RT: 7.122 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:107 Resp: 8130

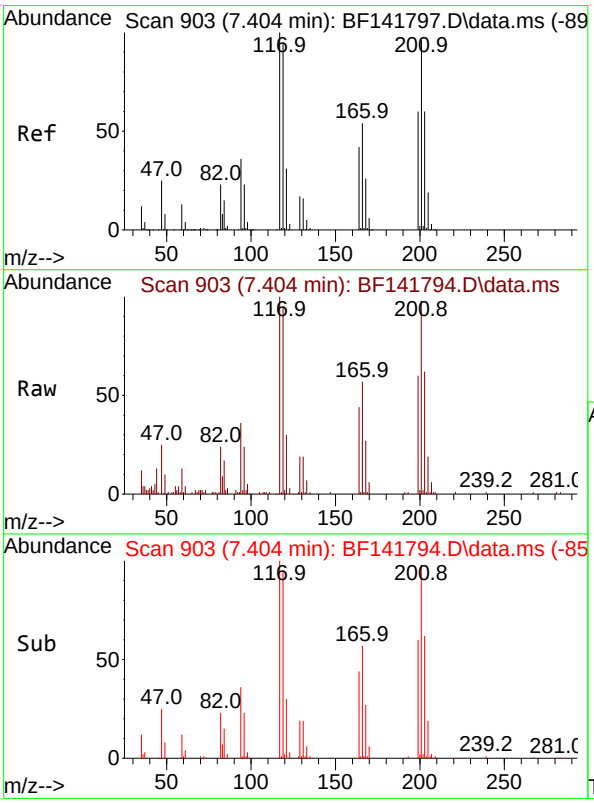
Ion	Ratio	Lower	Upper
107	100		
108	110.4	90.6	135.8
77	43.6	37.7	56.5
79	45.5	37.2	55.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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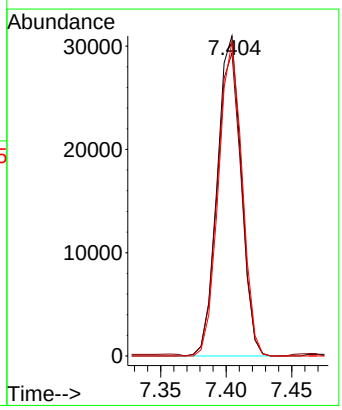
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

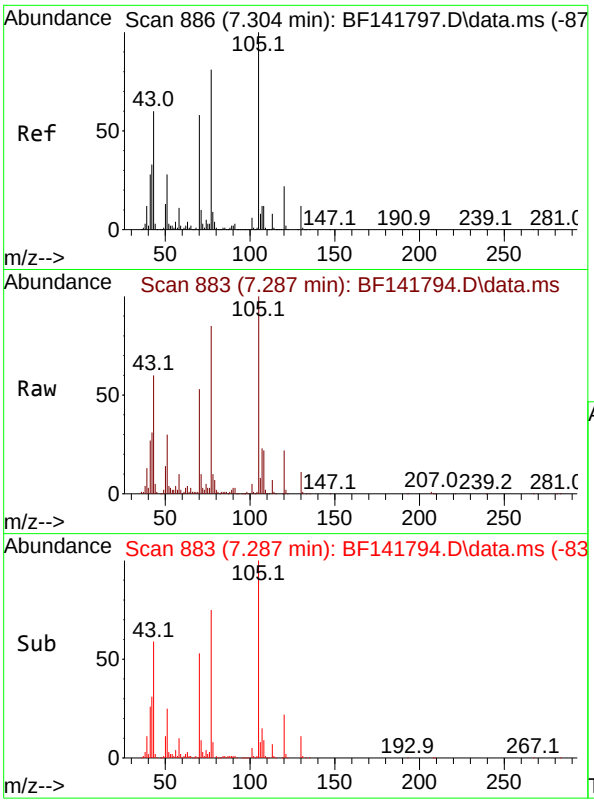


#18
Hexachloroethane
Concen: 5.110 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

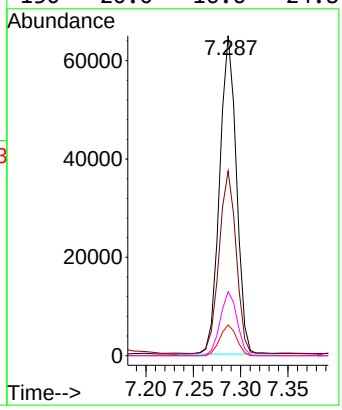




#19
n-Nitroso-di-n-propylamine
Concen: 5.300 ng
RT: 7.287 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 70 Resp: 7994

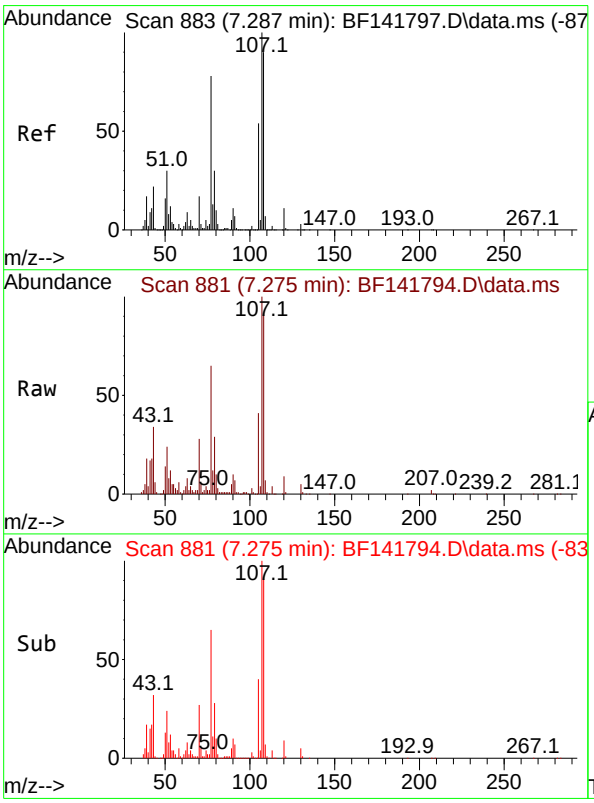
Ion	Ratio	Lower	Upper
70	100		
42	57.7	45.4	68.0
101	9.6	7.8	11.8
130	20.0	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

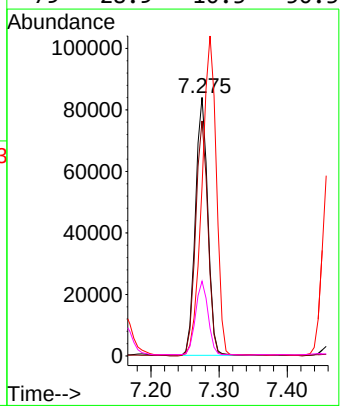
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

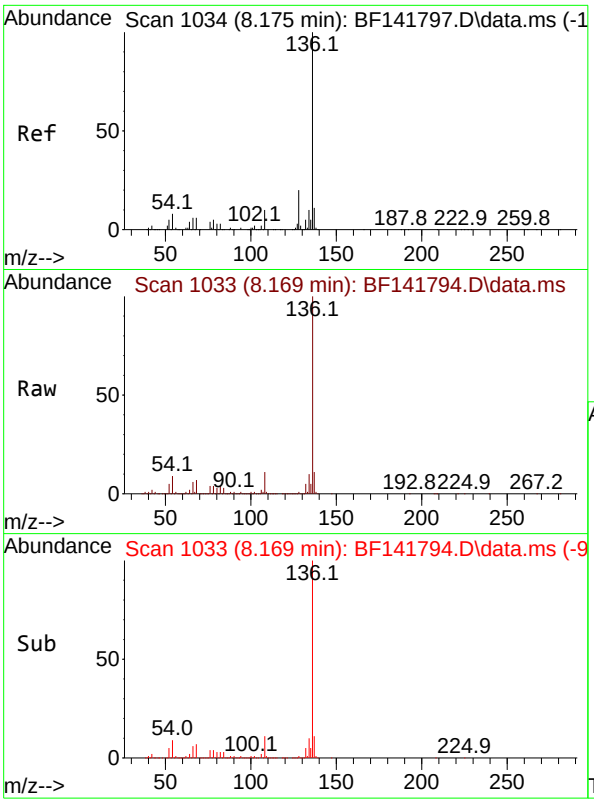


#20
3+4-Methylphenols
Concen: 5.412 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

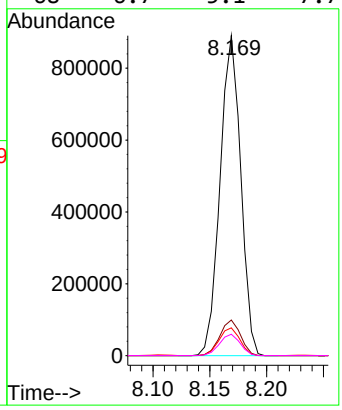




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:136 Resp: 112807

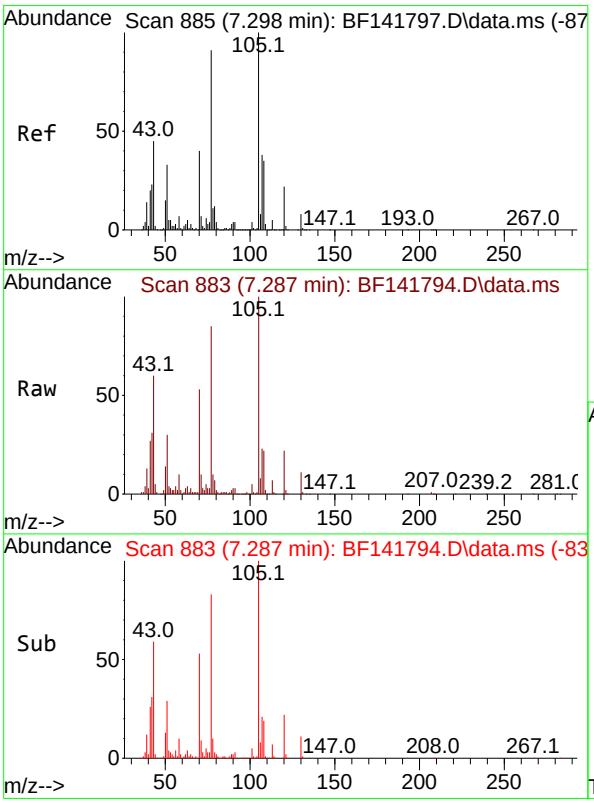
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.7	6.9	10.3
68	6.7	5.1	7.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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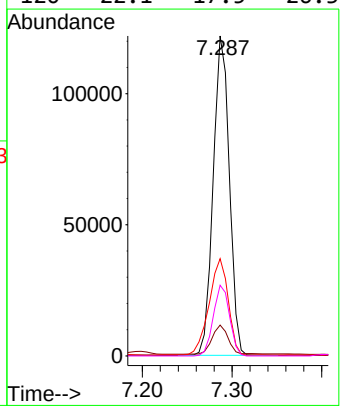
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

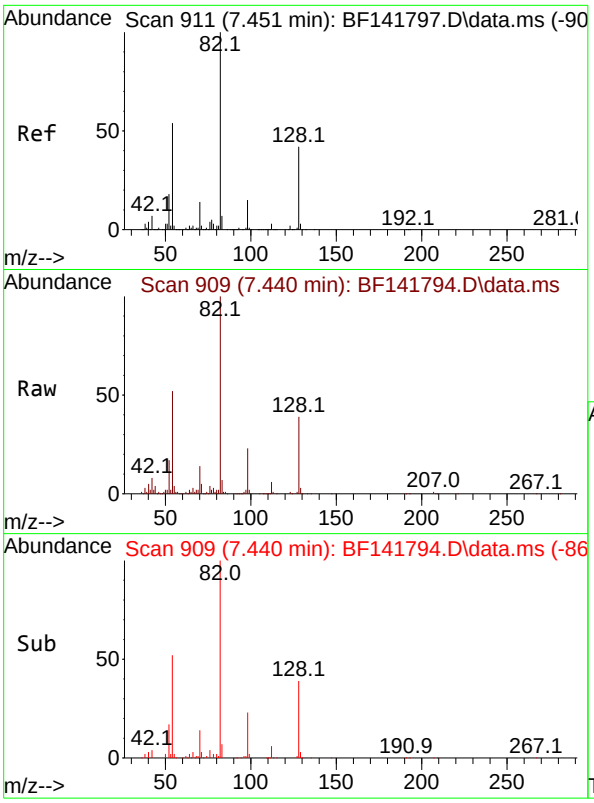


#22
Acetophenone
Concen: 5.537 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

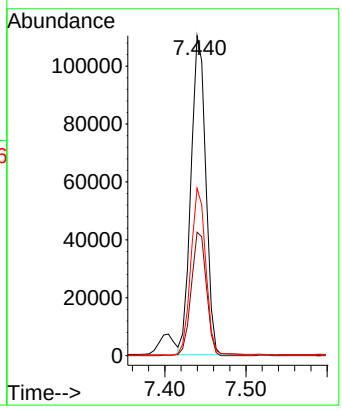
Tgt Ion: 82 Resp: 13994(

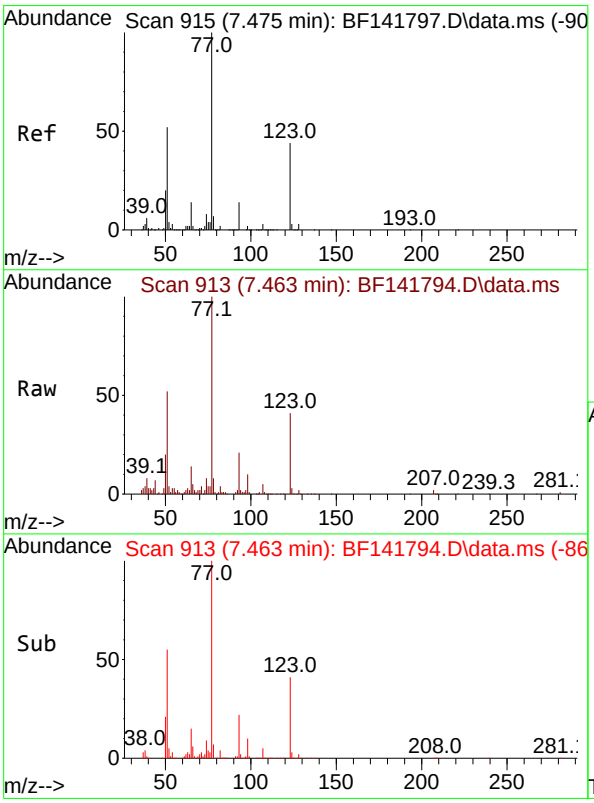
Ion	Ratio	Lower	Upper
82	100		
128	38.6	33.5	50.3
54	52.3	42.7	64.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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

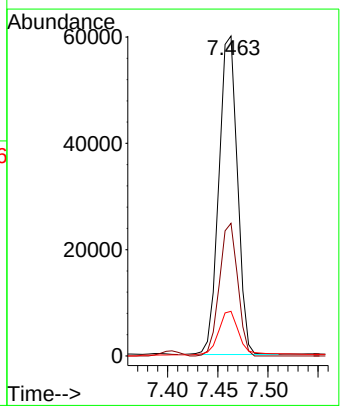


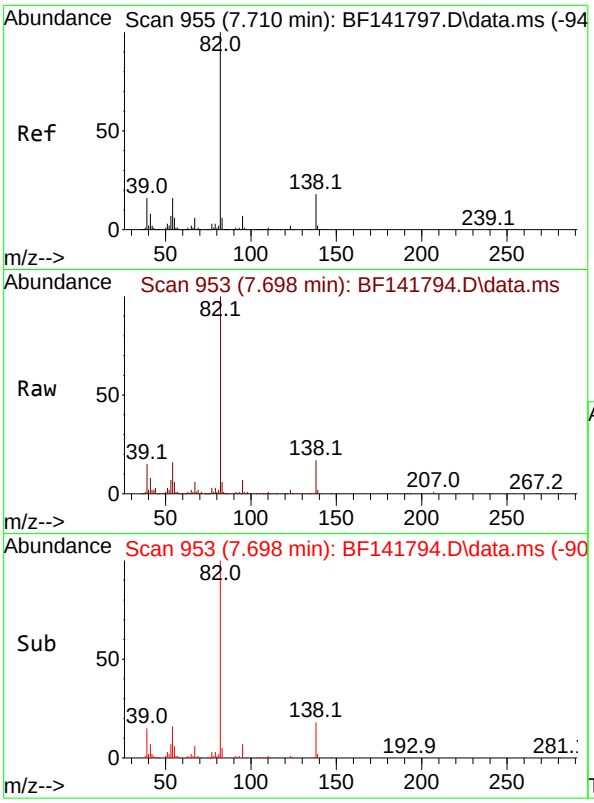


#24
Nitrobenzene
Concen: 4.071 ng
RT: 7.463 min Scan# 913
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

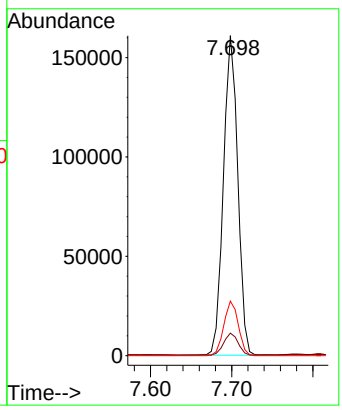
Tgt Ion: 82 Resp: 19796

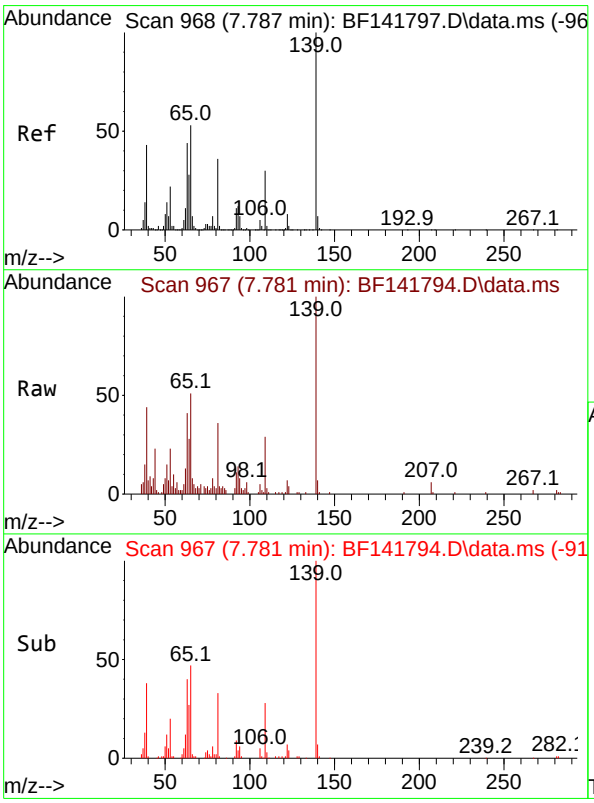
Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.8	8.8
138	17.0	14.0	21.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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

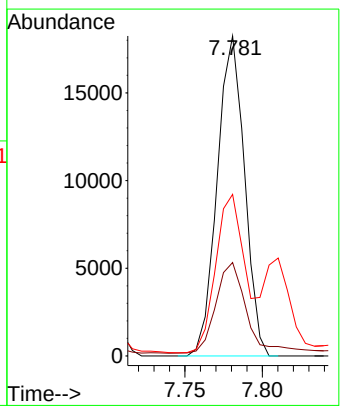


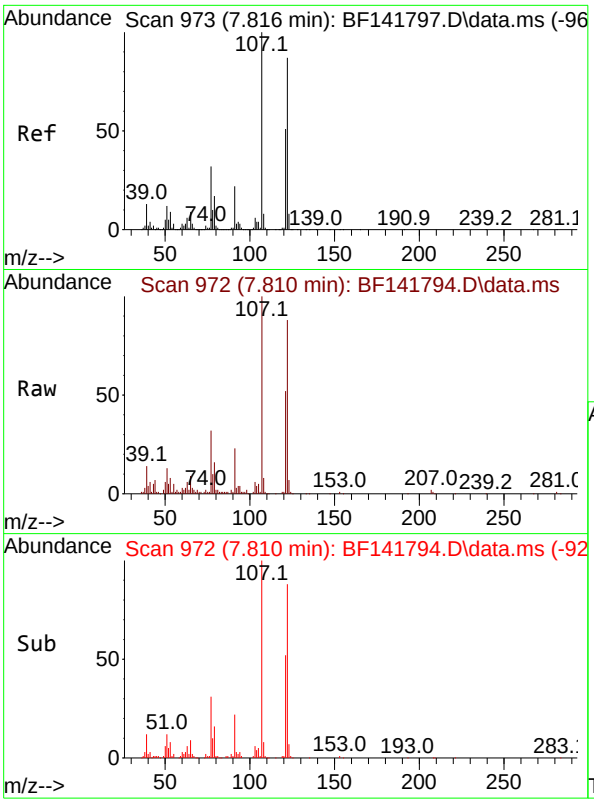


#26
2-Nitrophenol
Concen: 6.947 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

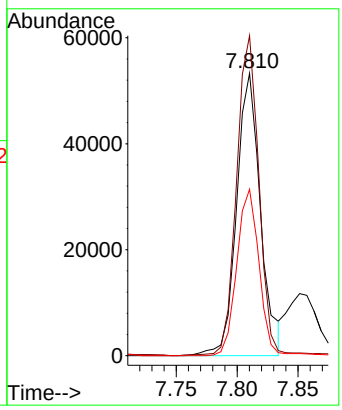
Tgt Ion:122 Resp: 7263

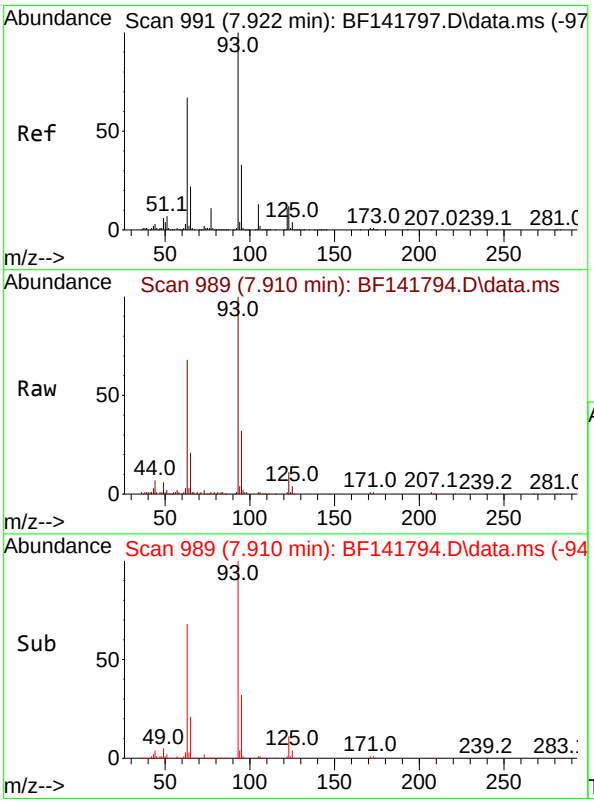
Ion	Ratio	Lower	Upper
122	100		
107	113.3	92.5	138.7
121	59.0	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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

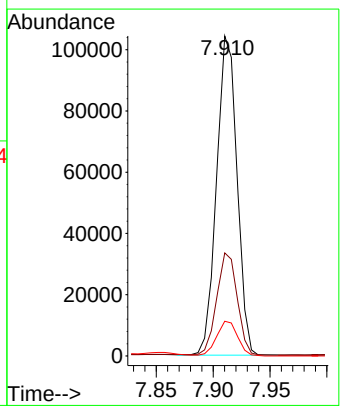


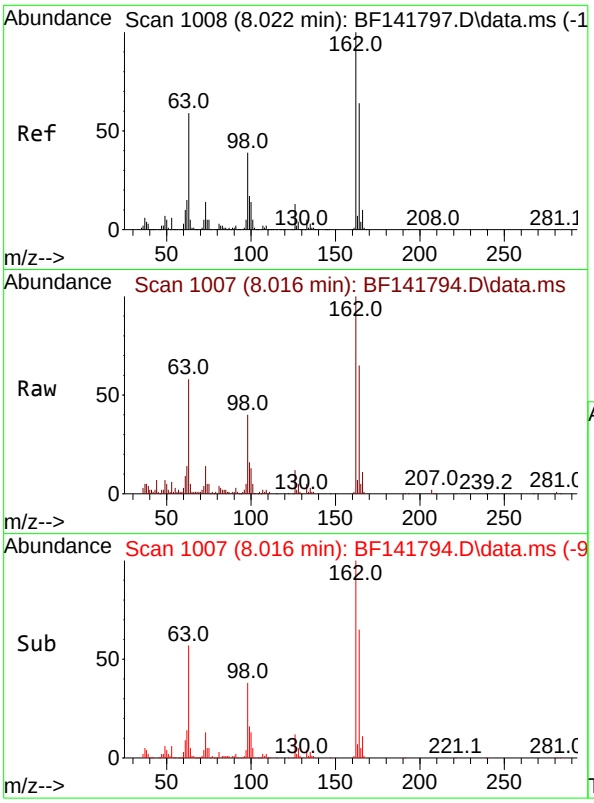


#28
bis(2-Chloroethoxy)methane
Concen: 5.395 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

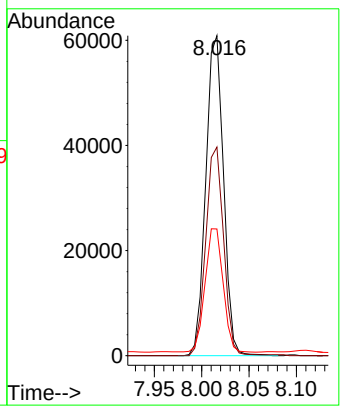
Tgt Ion:162 Resp: 7900

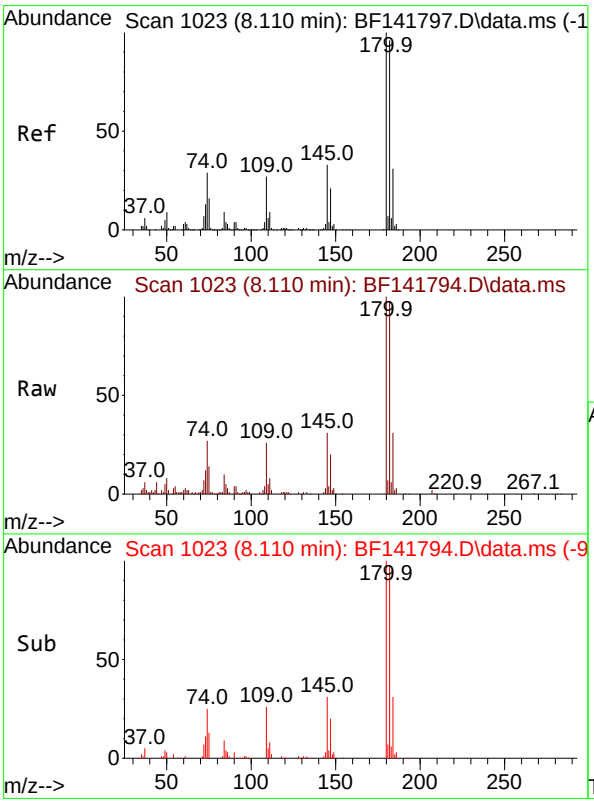
Ion	Ratio	Lower	Upper
162	100		
164	65.2	44.3	84.3
98	39.6	19.6	59.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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

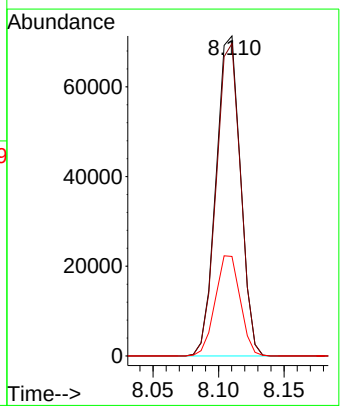


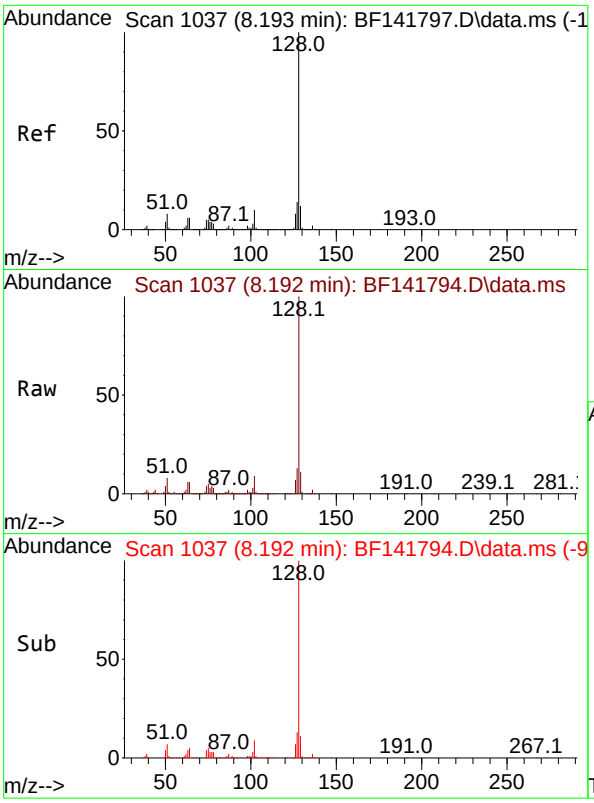


#30
1,2,4-Trichlorobenzene
Concen: 5.244 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

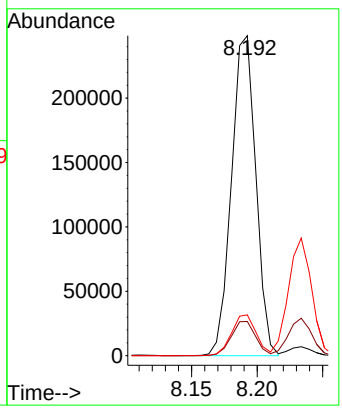




#31
Naphthalene
Concen: 5.546 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:128 Resp: 32154

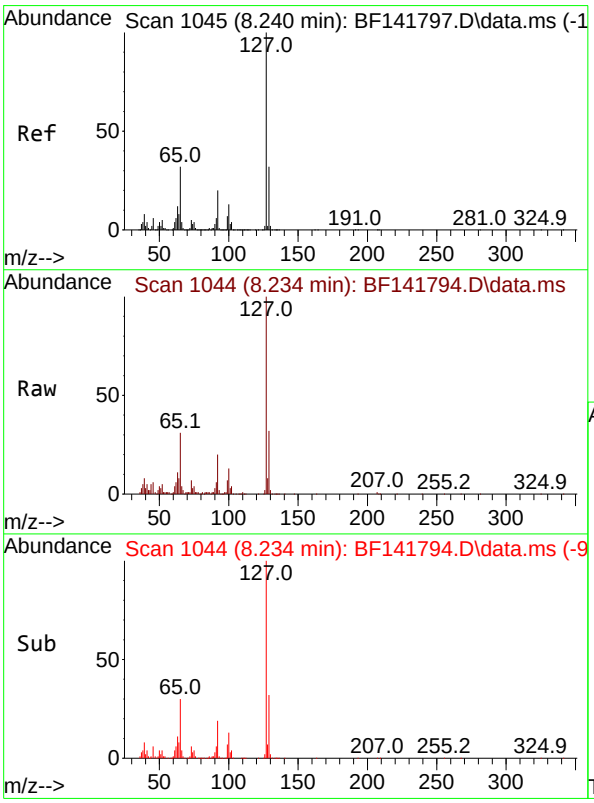
Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.2	13.8
127	12.8	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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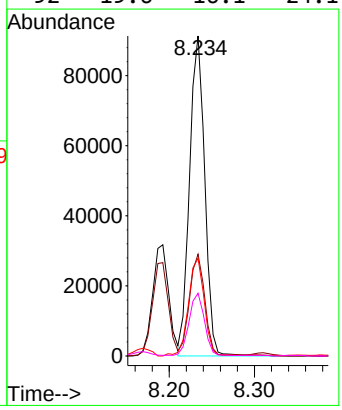
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

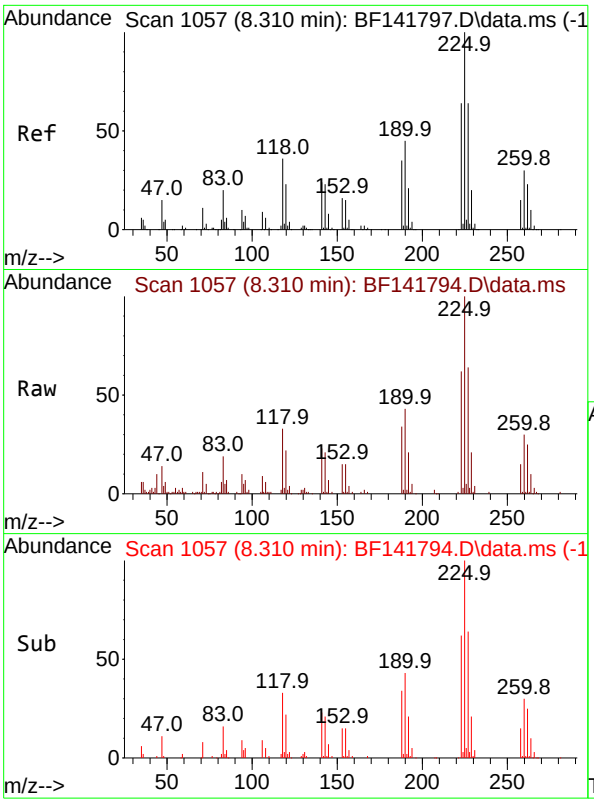


#33
4-Chloroaniline
Concen: 5.335 ng
RT: 8.234 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

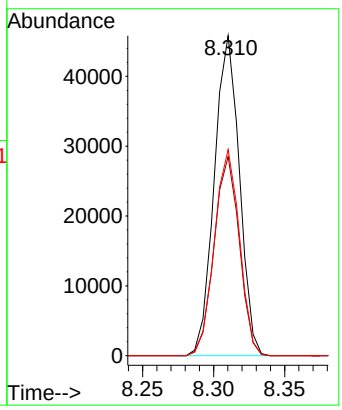
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

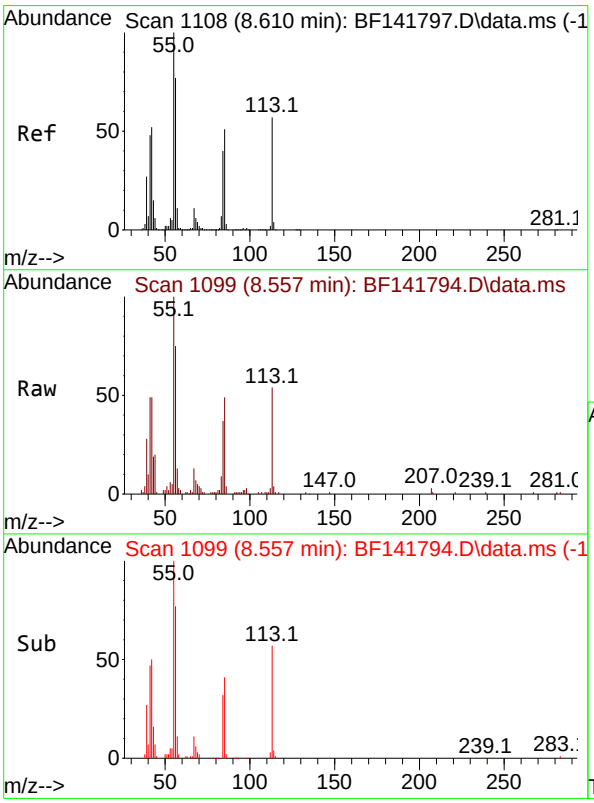
Tgt Ion:225 Resp: 5620

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

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

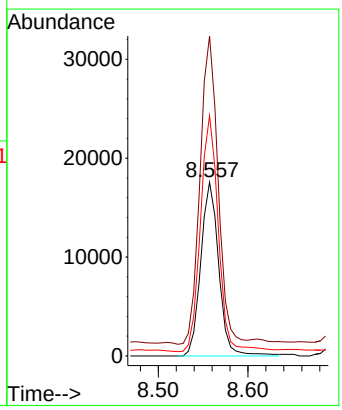


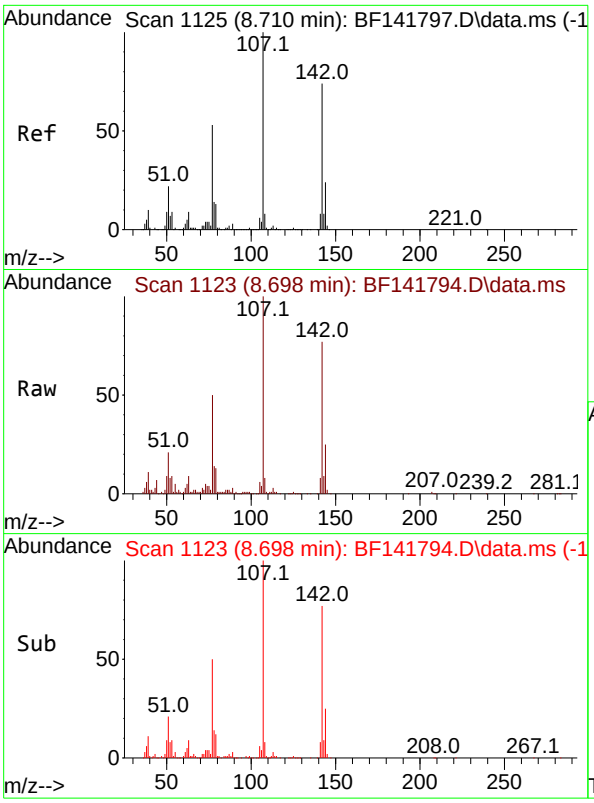


#35
Caprolactam
Concen: 4.946 ng
RT: 8.557 min Scan# 1099
Delta R.T. -0.053 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

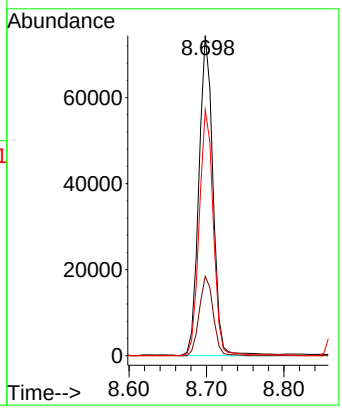
Tgt Ion:107 Resp: 9398

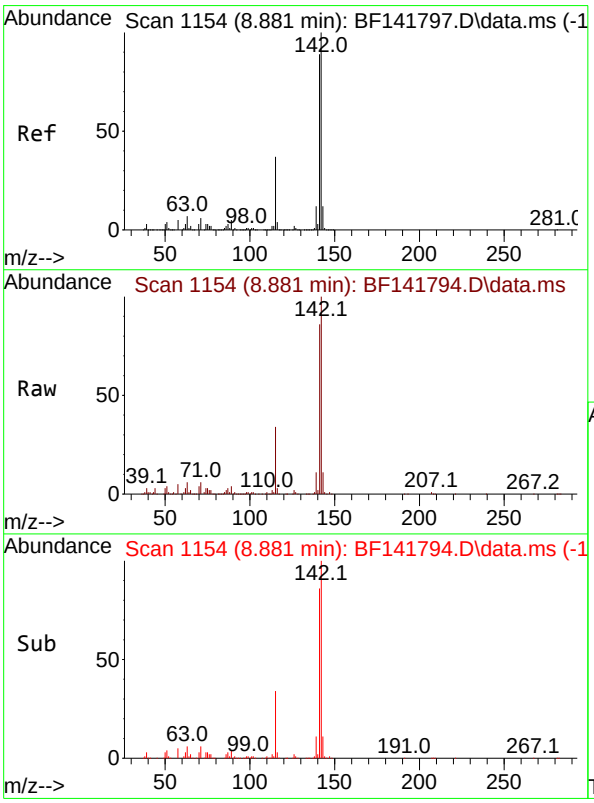
Ion	Ratio	Lower	Upper
107	100		
144	24.8	19.4	29.0
142	76.8	59.4	89.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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

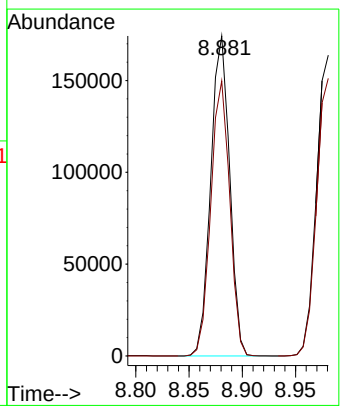


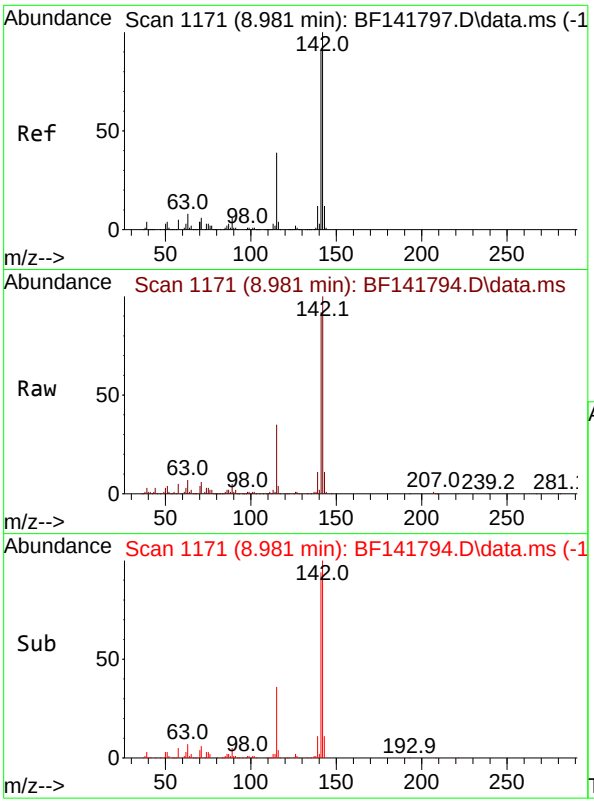


#37
2-Methylnaphthalene
Concen: 5.653 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:142 Resp: 214971

Ion	Ratio	Lower	Upper
142	100		
141	86.0	71.1	106.7

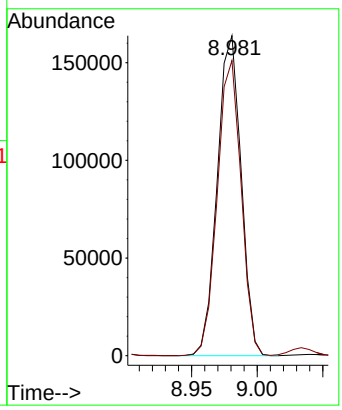




#38
1-Methylnaphthalene
Concen: 5.676 ng
RT: 8.981 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:142 Resp: 20709

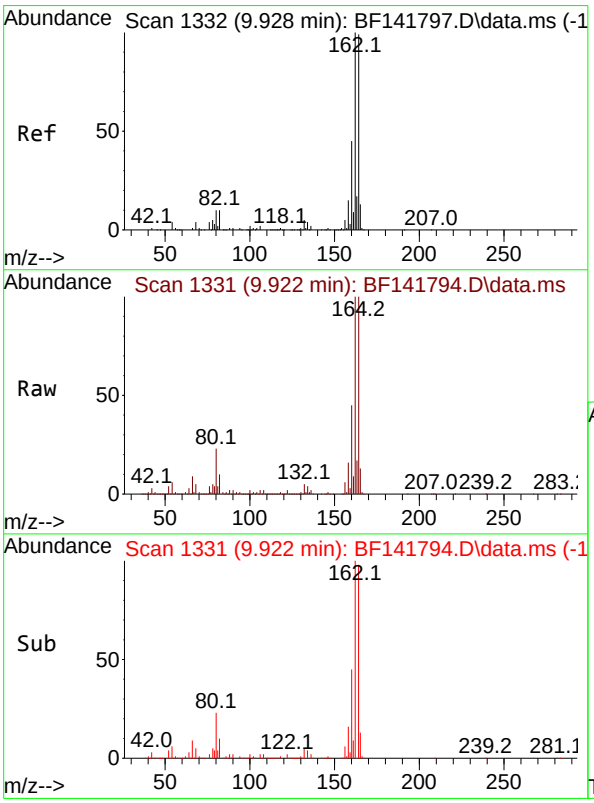
Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.1	109.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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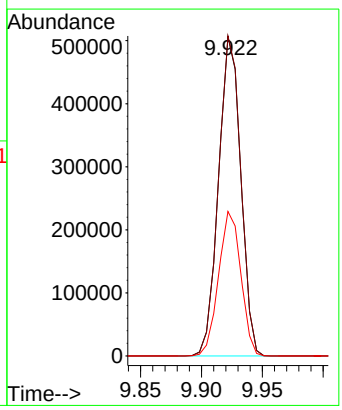
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

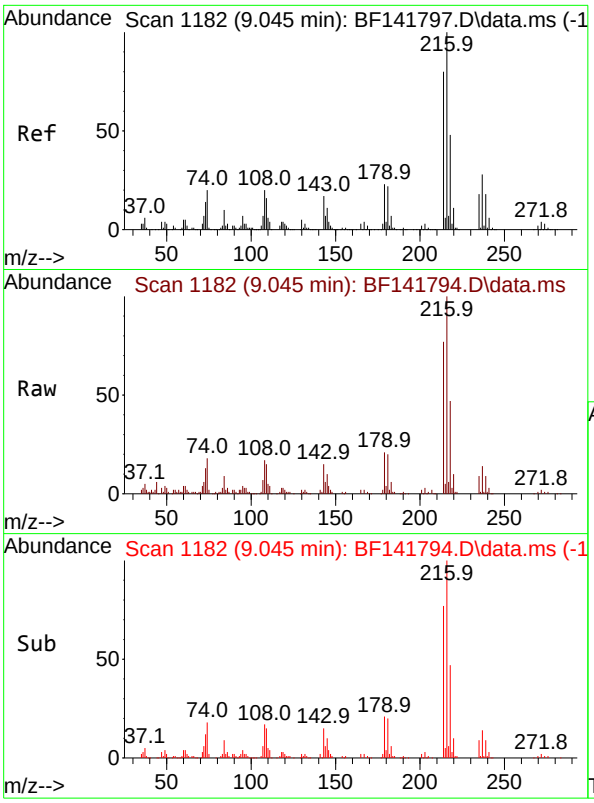


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

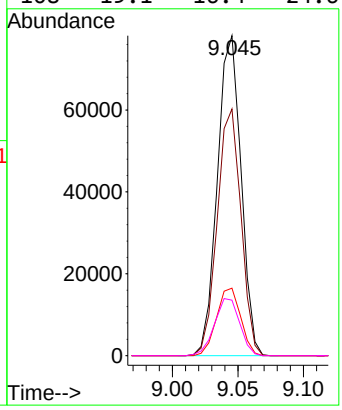




#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.275 ng
RT: 9.045 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:216 Resp: 9810

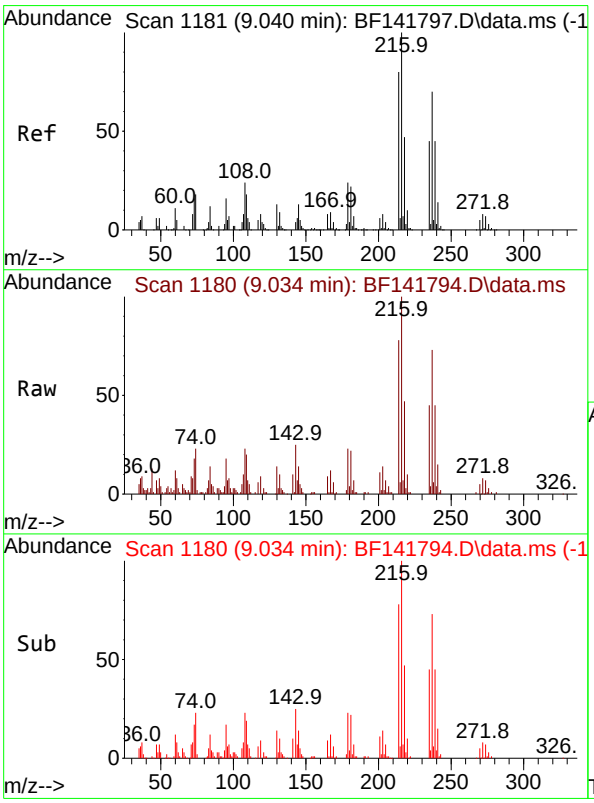
Ion	Ratio	Lower	Upper
216	100		
214	77.2	63.5	95.3
179	21.5	18.1	27.1
108	19.1	16.4	24.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

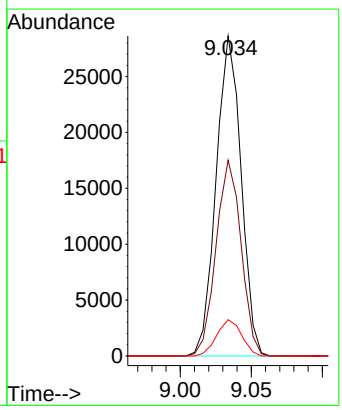
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

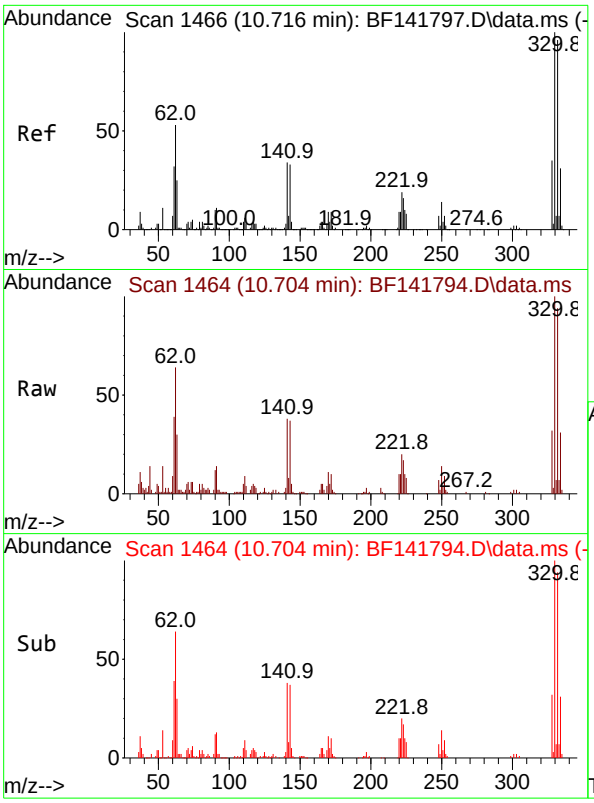


#41
Hexachlorocyclopentadiene
Concen: 4.508 ng
RT: 9.034 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

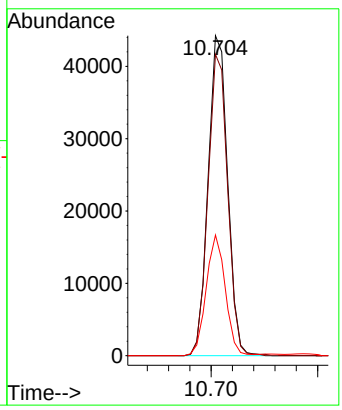




#42
2,4,6-Tribromophenol
Concen: 9.331 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:330 Resp: 5640

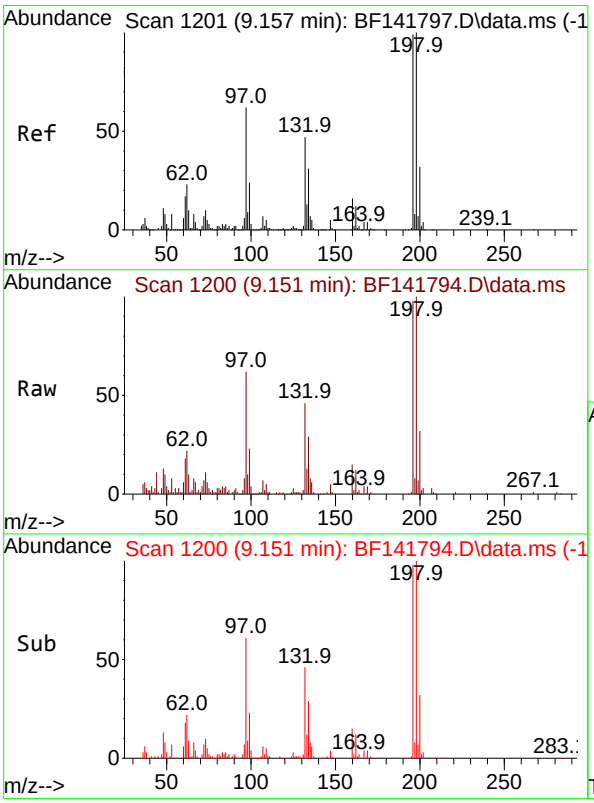
Ion	Ratio	Lower	Upper
330	100		
332	94.6	76.6	115.0
141	37.1	29.0	43.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

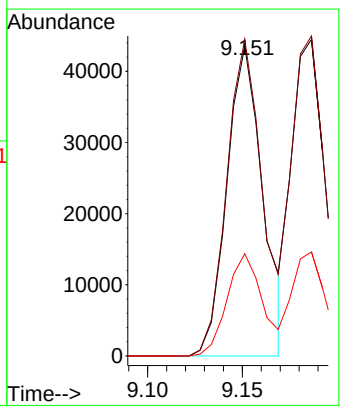
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

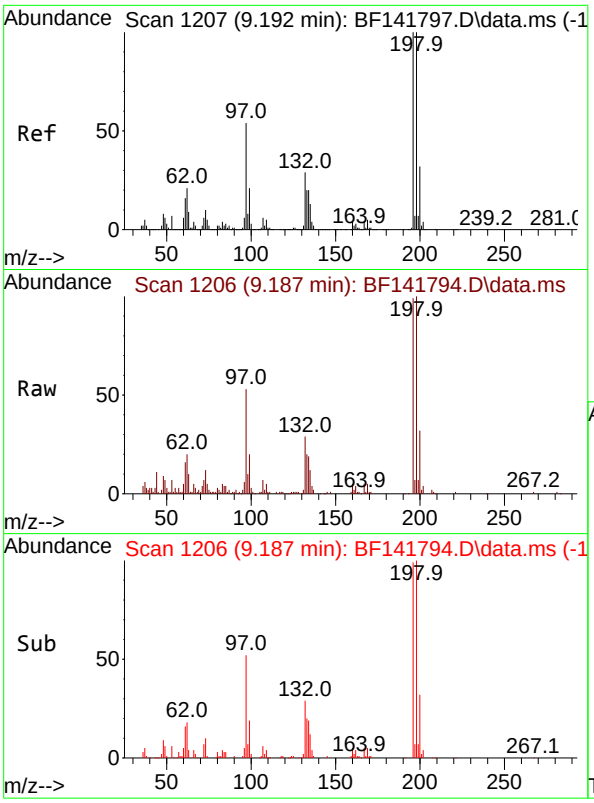


#43
2,4,6-Trichlorophenol
Concen: 4.753 ng
RT: 9.151 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

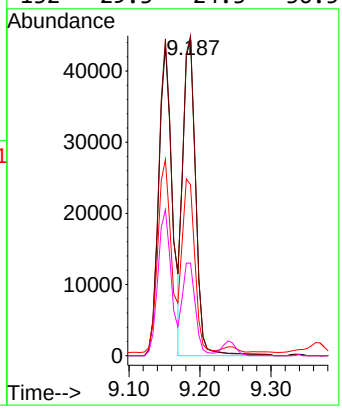




#44
2,4,5-Trichlorophenol
Concen: 4.706 ng
RT: 9.187 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:196 Resp: 5597

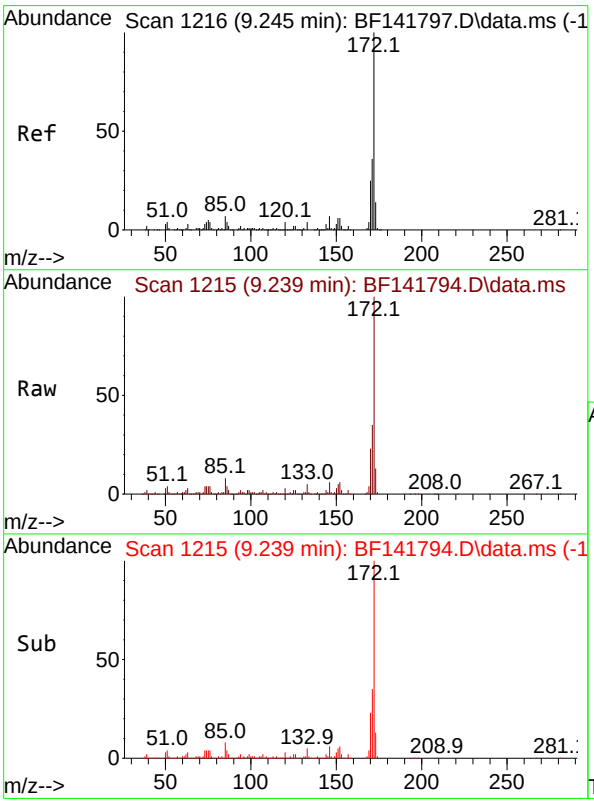
Ion	Ratio	Lower	Upper
196	100		
198	101.1	79.7	119.5
97	54.0	44.2	66.2
132	29.3	24.3	36.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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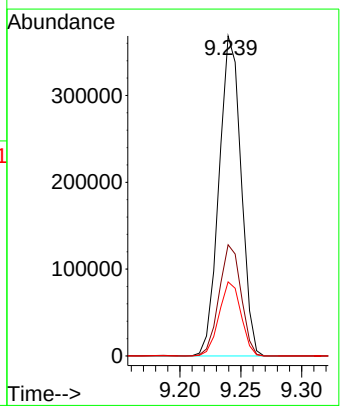
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

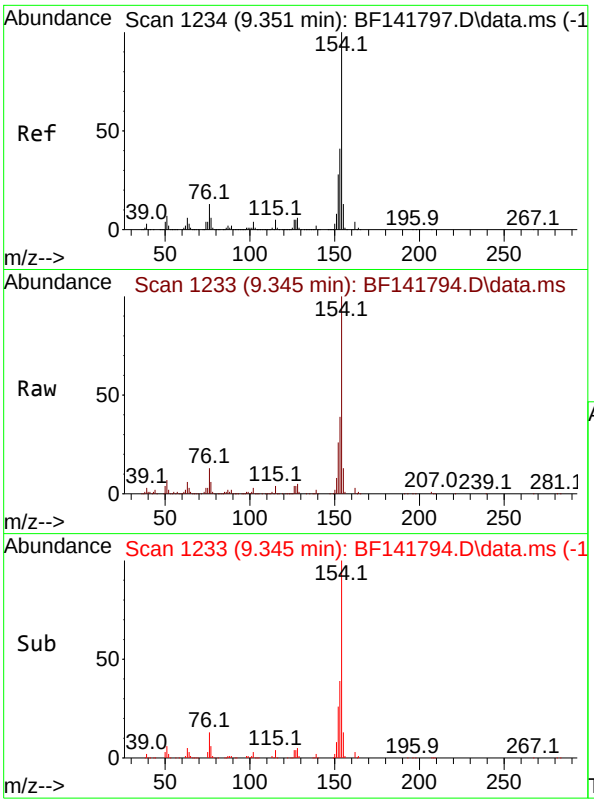


#45
2-Fluorobiphenyl
Concen: 11.570 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

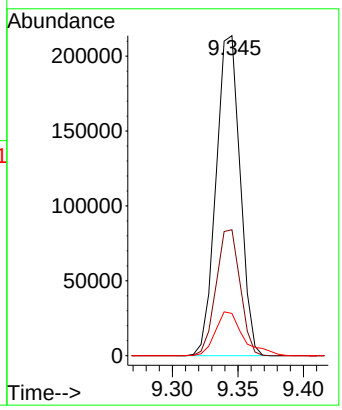




#46
1,1'-Biphenyl
Concen: 5.563 ng
RT: 9.345 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:154 Resp: 27264

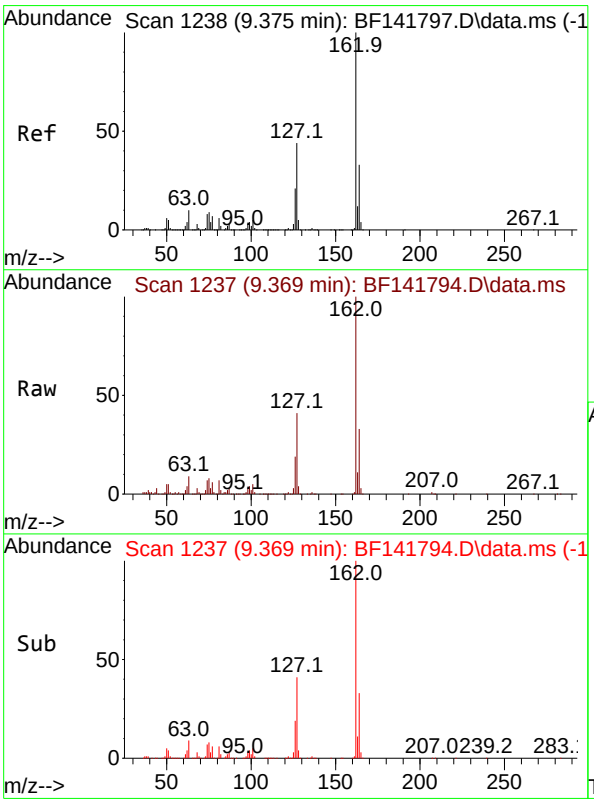
Ion	Ratio	Lower	Upper
154	100		
153	39.4	21.4	61.4
76	13.2	0.0	33.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

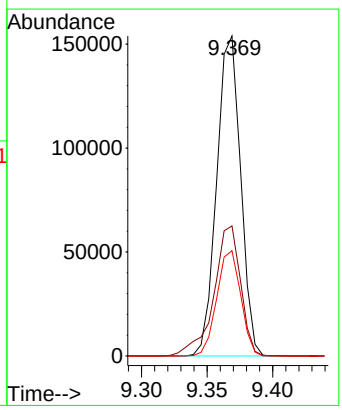
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

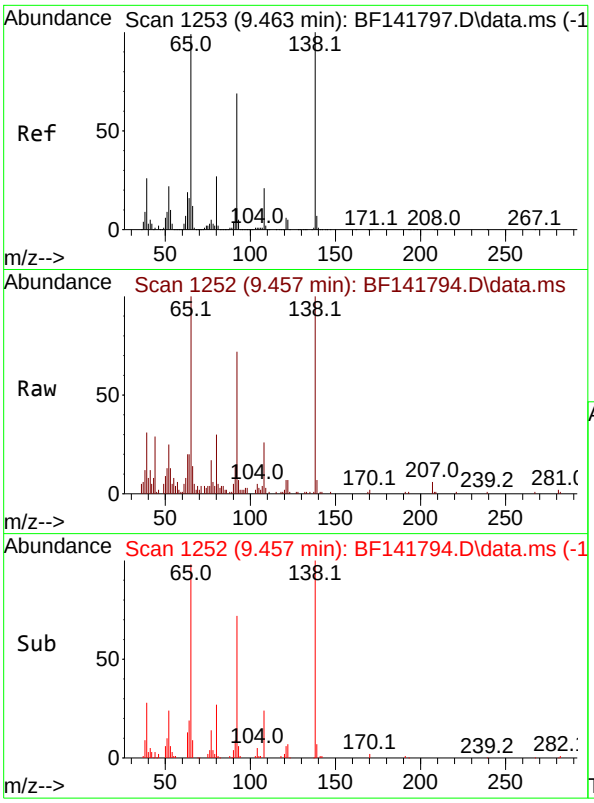


#47
2-Chloronaphthalene
Concen: 5.388 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

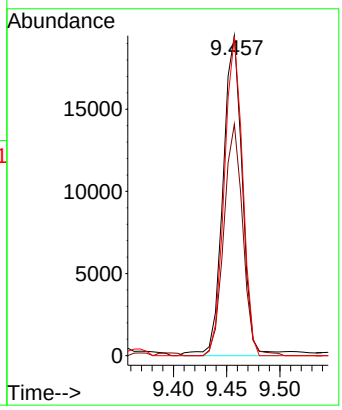
Tgt Ion: 65 Resp: 2446

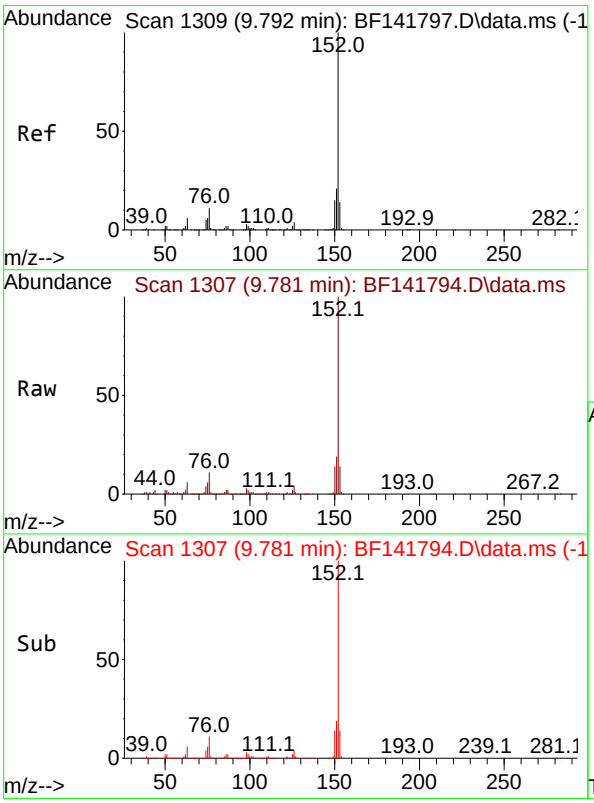
Ion	Ratio	Lower	Upper
65	100		
92	72.3	55.7	83.5
138	99.8	80.6	121.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

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

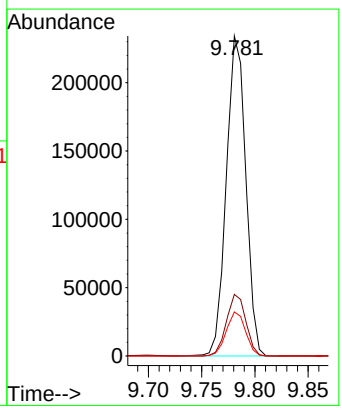


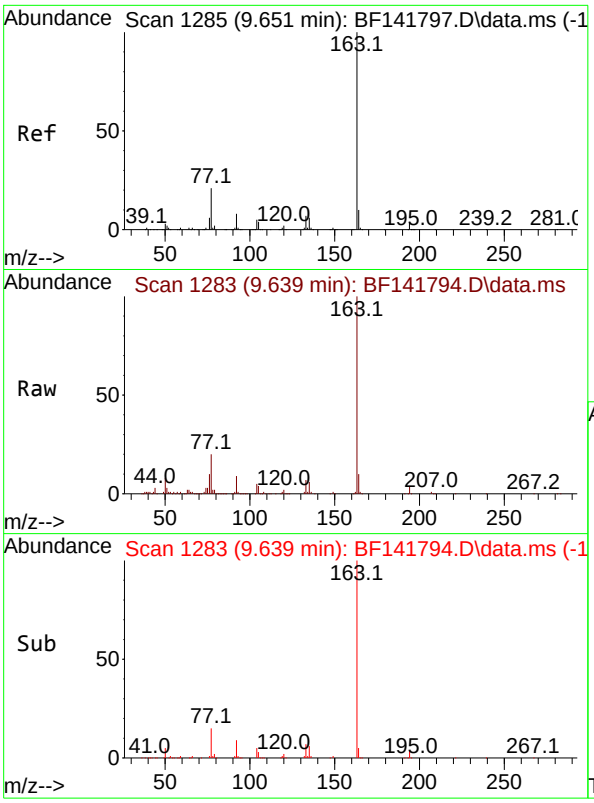


#49
Acenaphthylene
Concen: 5.481 ng
RT: 9.781 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

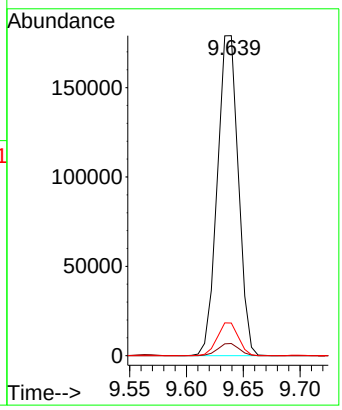




#50
Dimethylphthalate
Concen: 5.344 ng
RT: 9.639 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:163 Resp: 23042

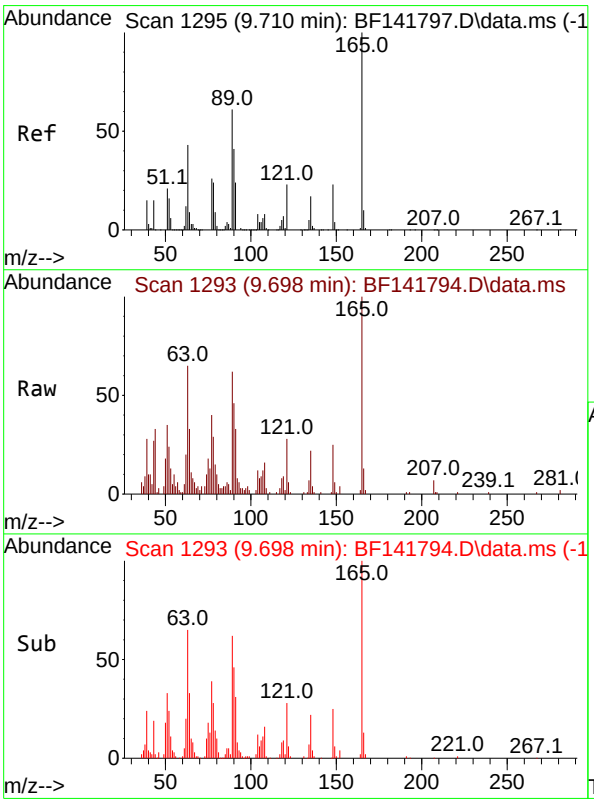
Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.2	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

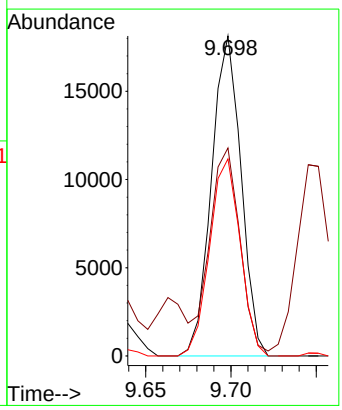
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

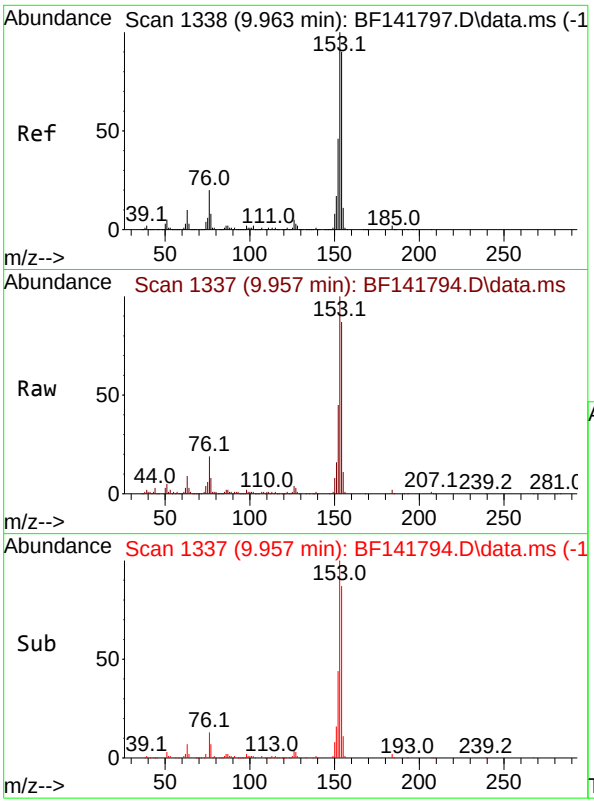


#51
2,6-Dinitrotoluene
Concen: 5.327 ng
RT: 9.698 min Scan# 1293
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

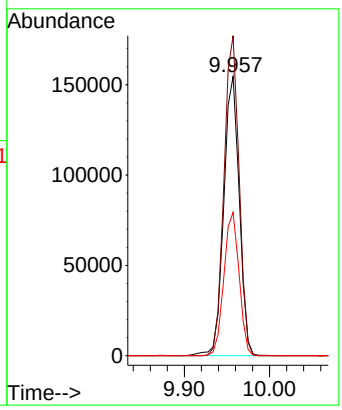




#52
Acenaphthene
Concen: 5.353 ng
RT: 9.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:154 Resp: 19591

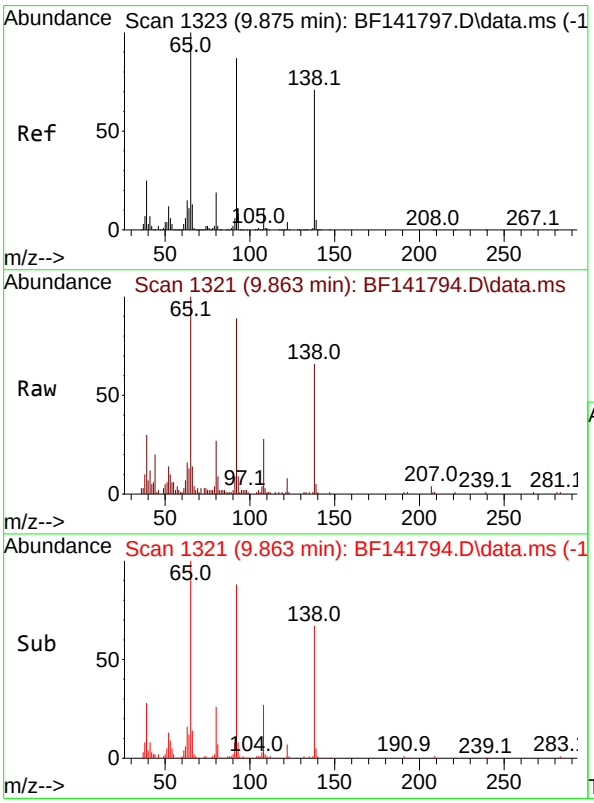
Ion	Ratio	Lower	Upper
154	100		
153	114.6	88.7	133.1
152	51.4	40.9	61.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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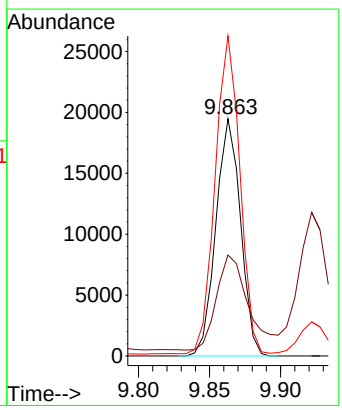
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

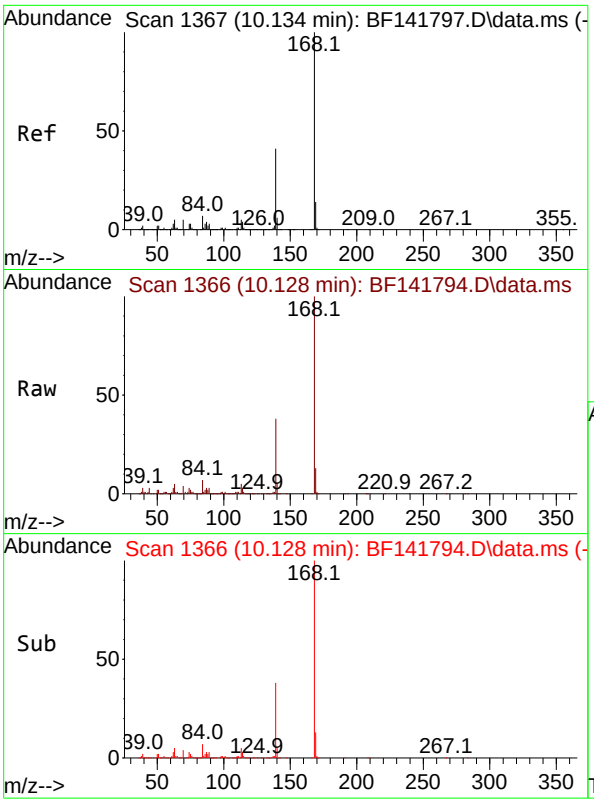


#53
3-Nitroaniline
Concen: 5.471 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

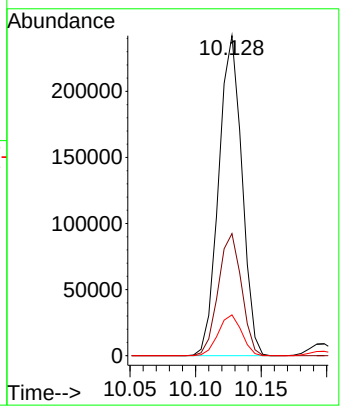




#55
Dibenzofuran
Concen: 5.590 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:168 Resp: 29775

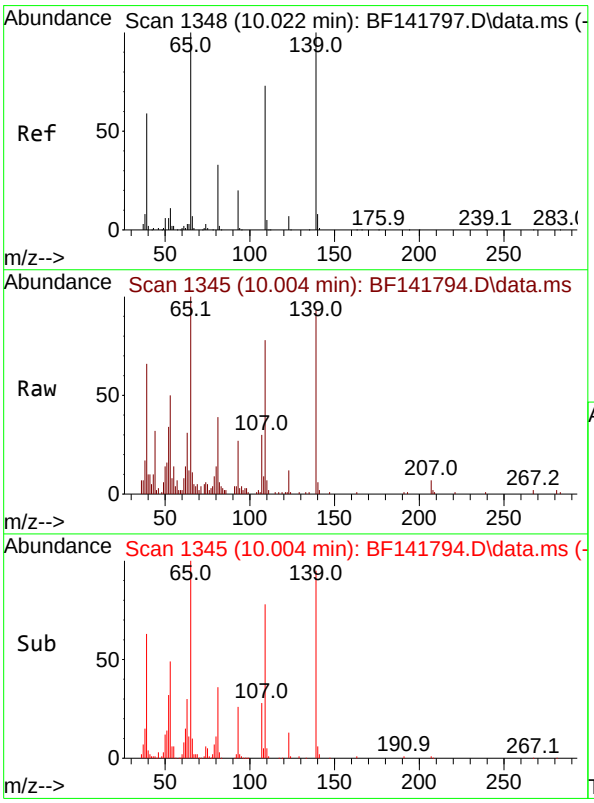
Ion	Ratio	Lower	Upper
168	100		
139	38.1	32.9	49.3
169	12.8	11.1	16.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

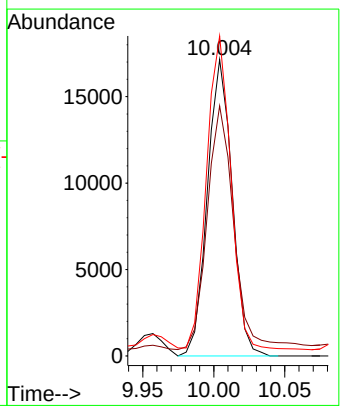
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

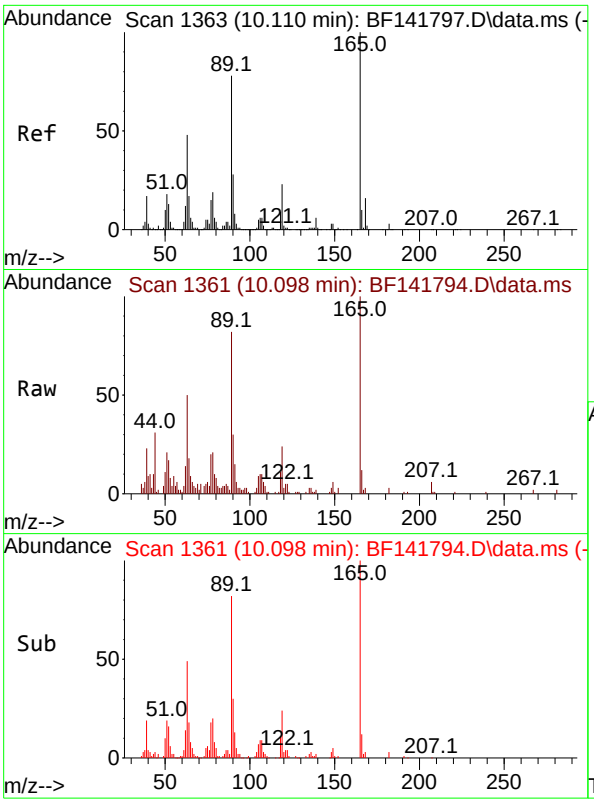


#56
4-Nitrophenol
Concen: 3.272 ng
RT: 10.004 min Scan# 1345
Delta R.T. -0.018 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

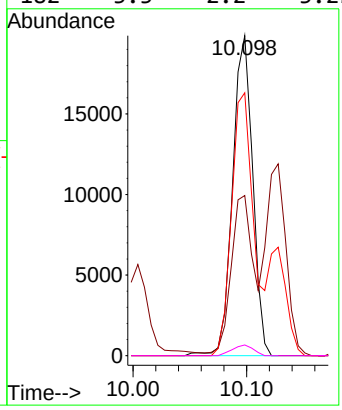




#57
2,4-Dinitrotoluene
Concen: 5.755 ng
RT: 10.098 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:165 Resp: 2425

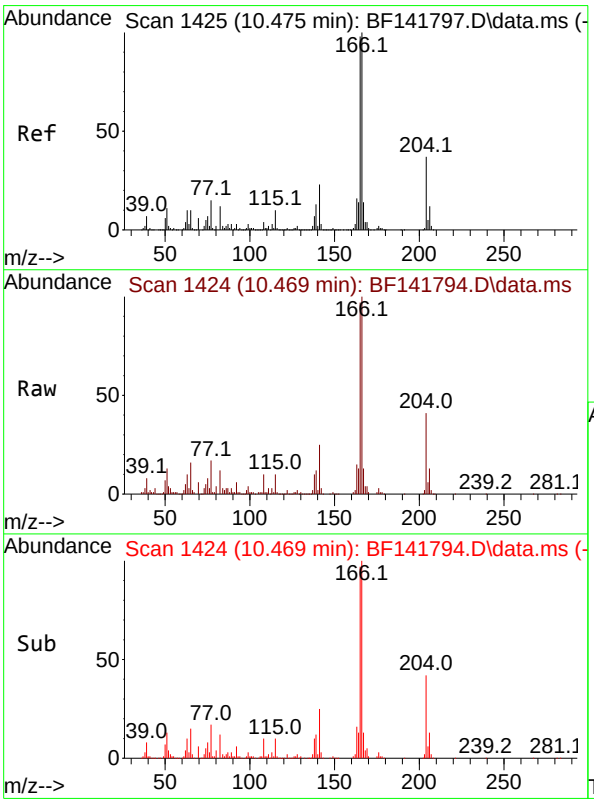
Ion	Ratio	Lower	Upper
165	100		
63	50.0	38.8	58.2
89	82.2	62.6	94.0
182	3.3	2.2	3.2#



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

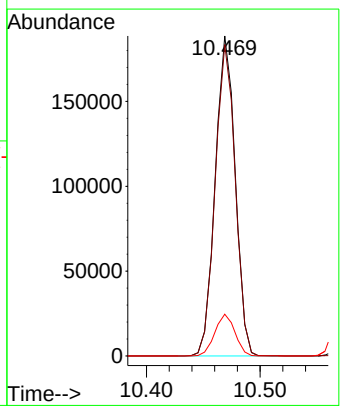
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

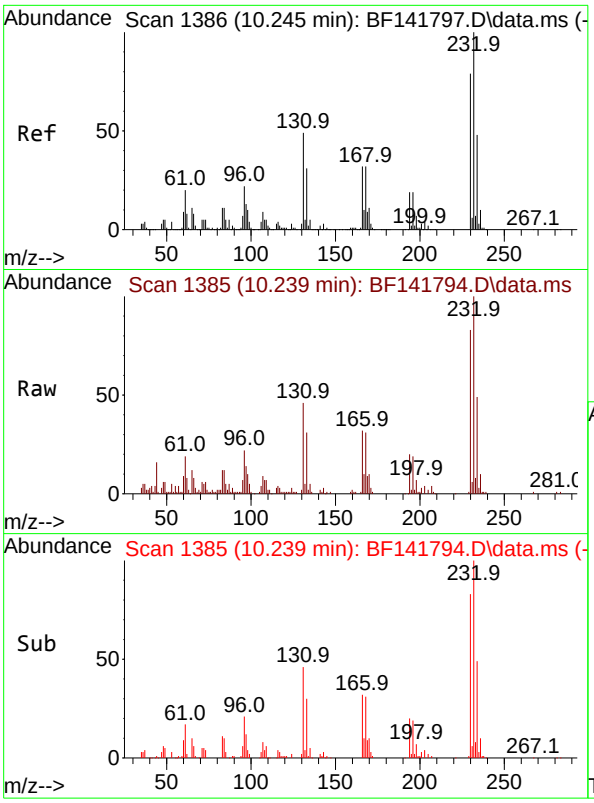


#58
Fluorene
Concen: 5.782 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

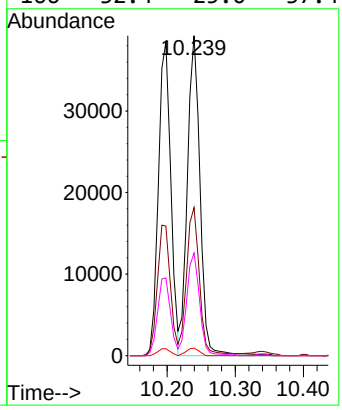




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.873 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:232 Resp: 5041

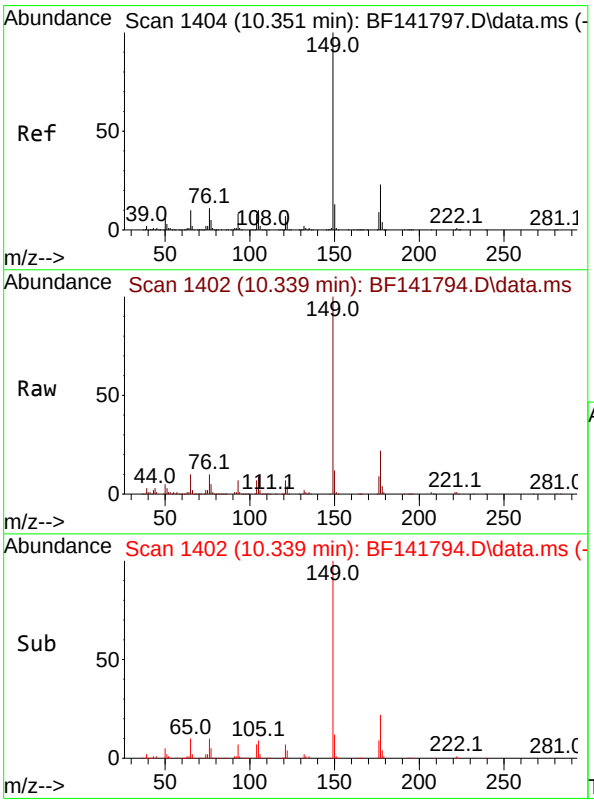
Ion	Ratio	Lower	Upper
232	100		
131	47.2	37.8	56.8
130	2.4	2.0	3.0
166	32.4	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

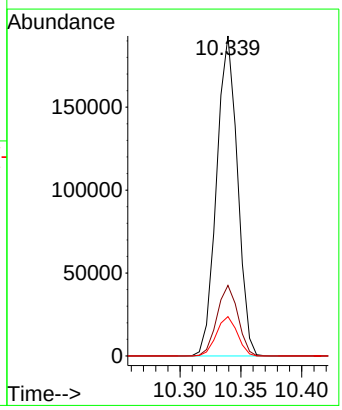
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

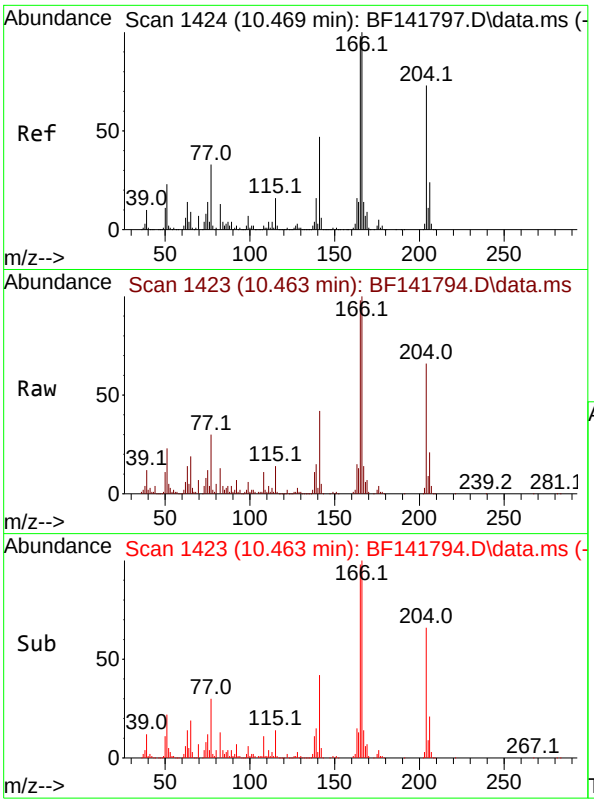


#60
Diethylphthalate
Concen: 5.322 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

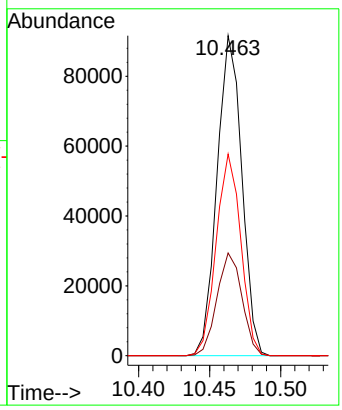
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

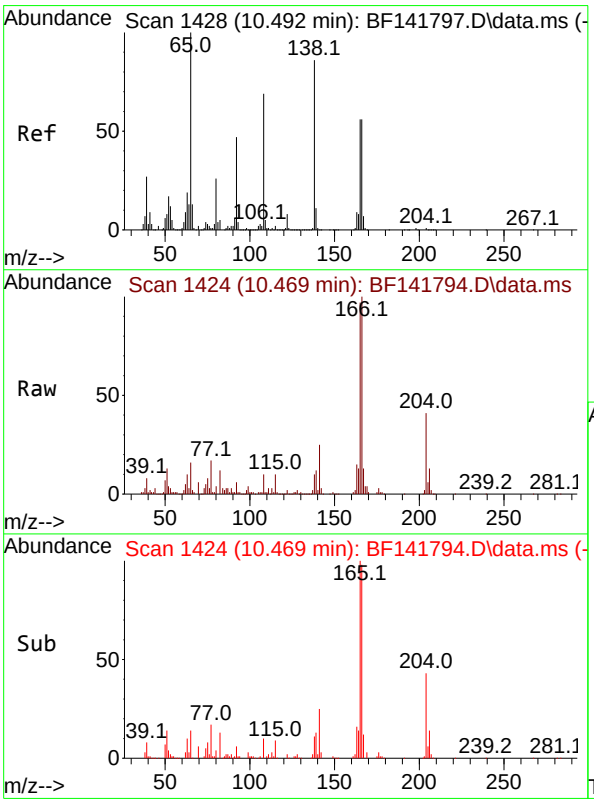
Tgt Ion:204 Resp: 111169

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

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

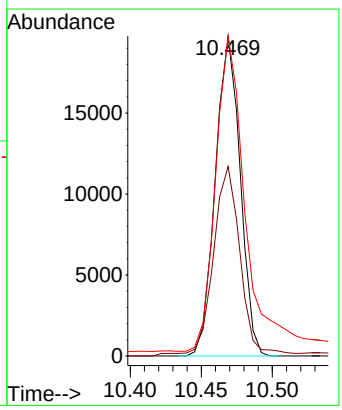


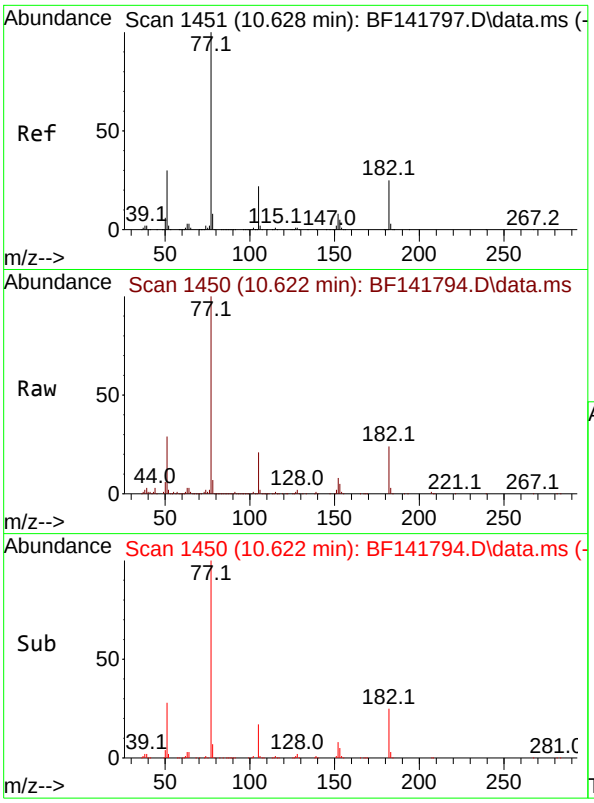


#62
4-Nitroaniline
Concen: 3.260 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.024 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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#

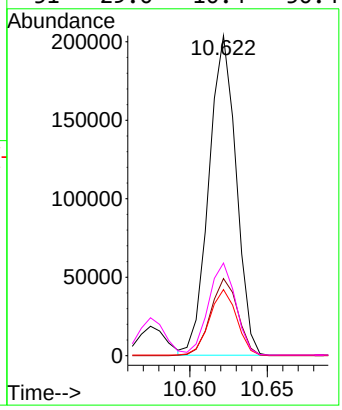




#63
Azobenzene
Concen: 5.460 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 77 Resp: 248519

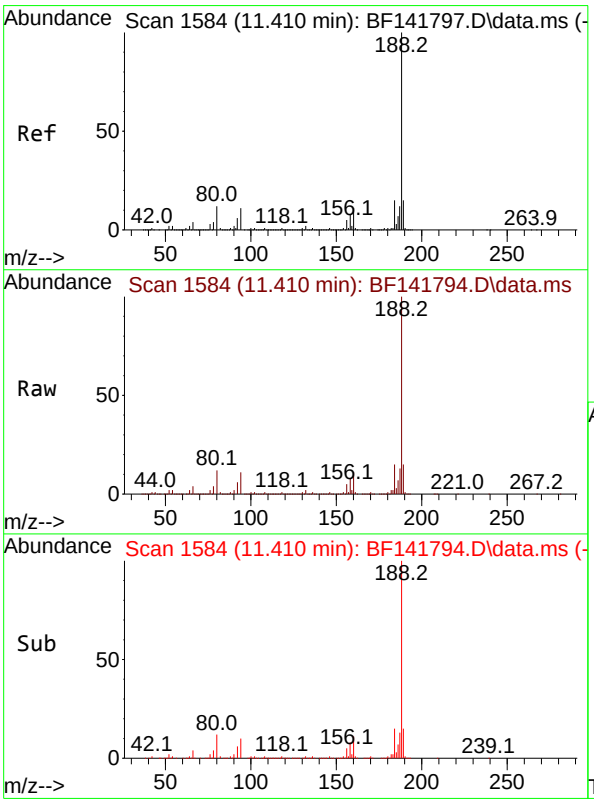
Ion	Ratio	Lower	Upper
77	100		
182	24.1	4.2	44.2
105	20.7	1.5	41.5
51	29.0	10.4	50.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

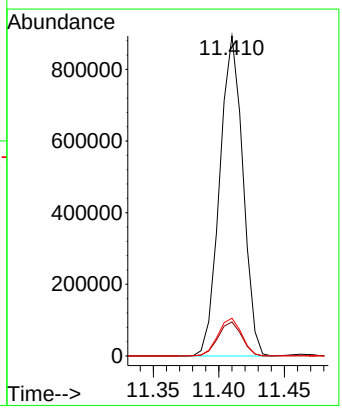
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

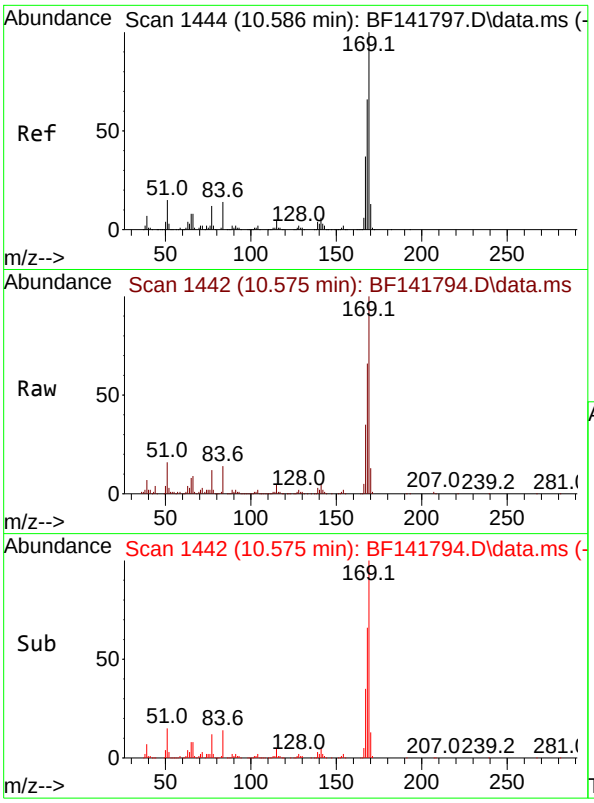


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

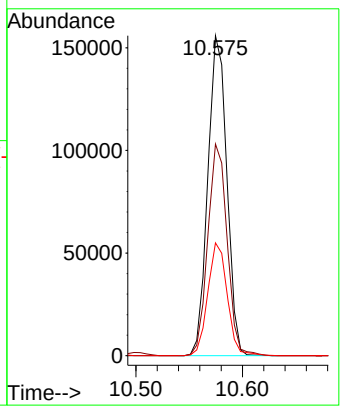




#66
n-Nitrosodiphenylamine
Concen: 5.344 ng
RT: 10.575 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:169 Resp: 19320

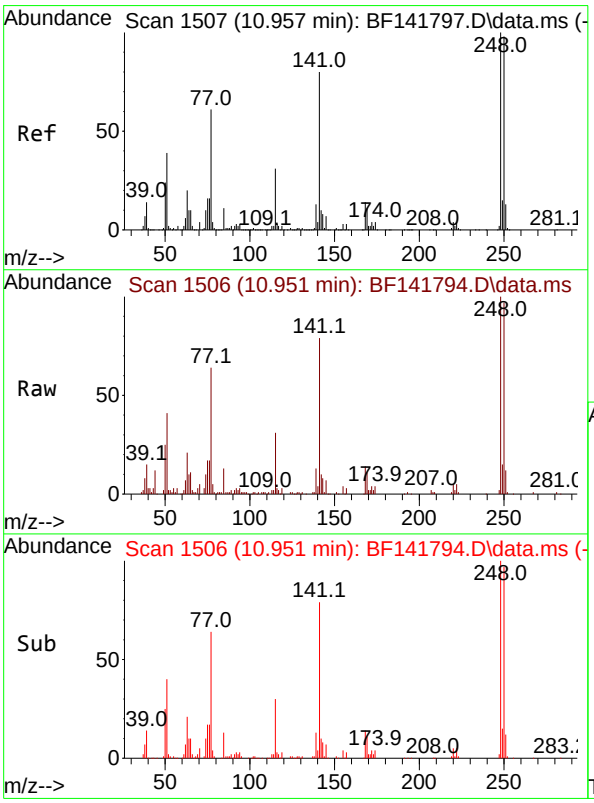
Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.6
167	35.2	29.3	43.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

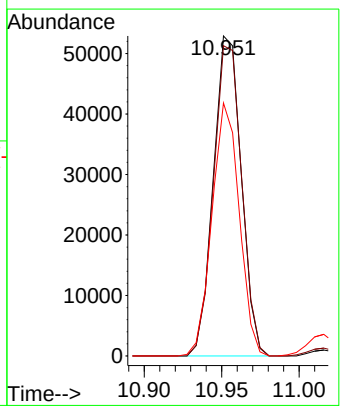
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

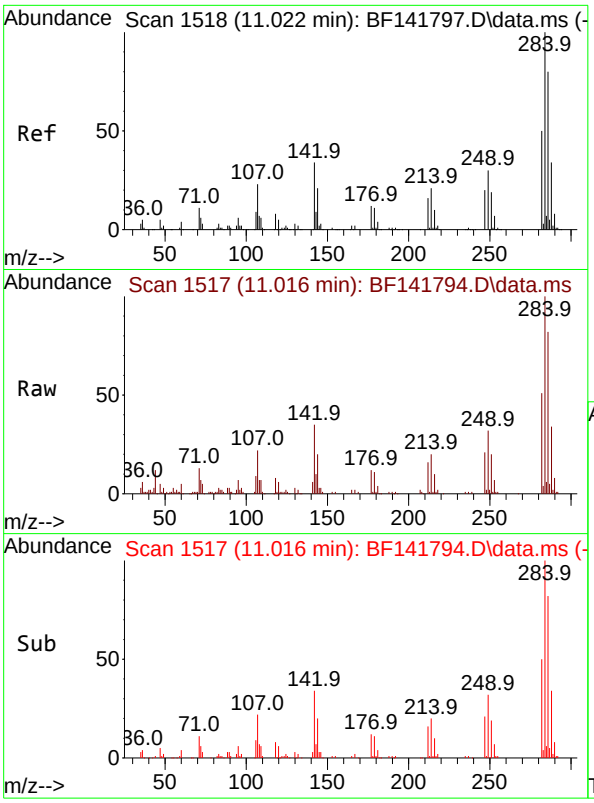


#67
4-Bromophenyl-phenylether
Concen: 5.156 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

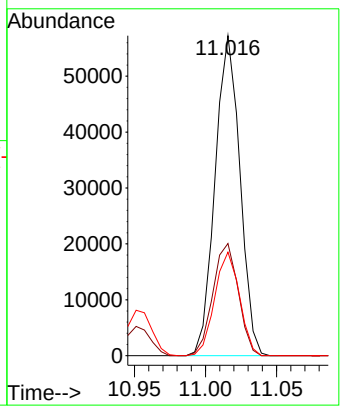




#68
Hexachlorobenzene
Concen: 5.125 ng
RT: 11.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:284 Resp: 6959

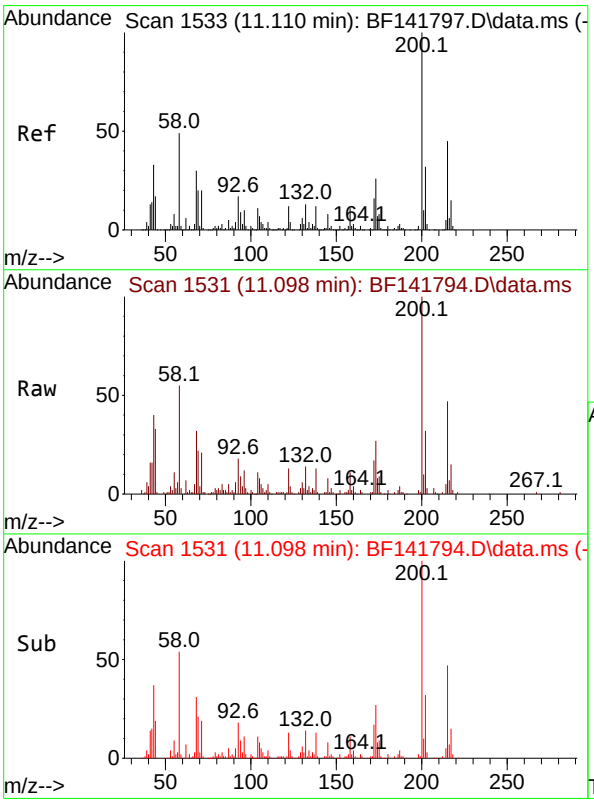
Ion	Ratio	Lower	Upper
284	100		
142	35.1	28.2	42.2
249	32.3	25.5	38.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

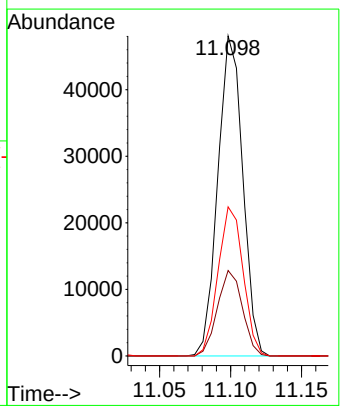
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

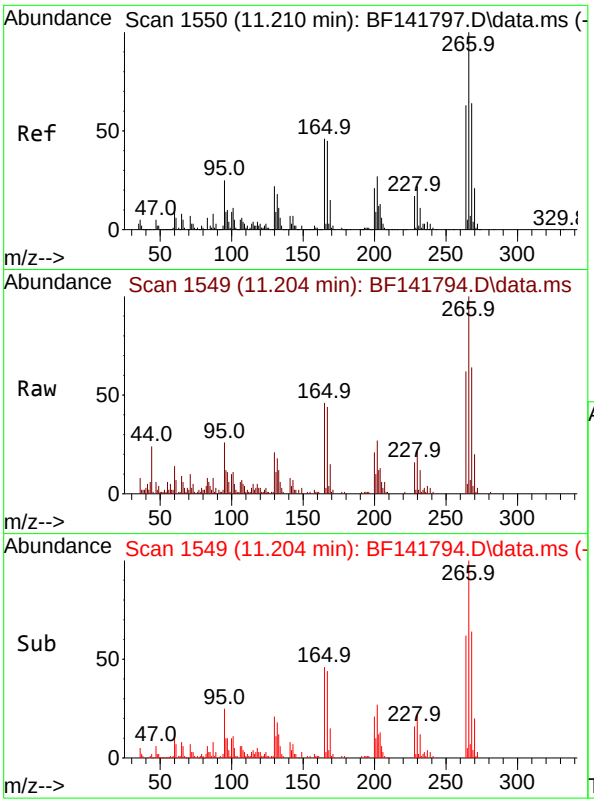


#69
Atrazine
Concen: 5.897 ng
RT: 11.098 min Scan# 1531
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

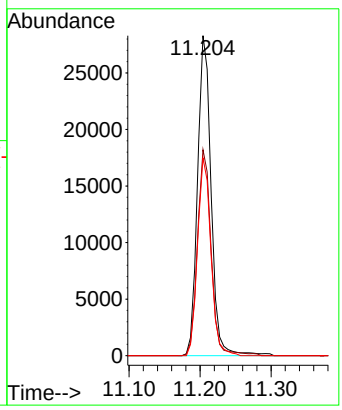




#70
Pentachlorophenol
Concen: 4.373 ng
RT: 11.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:266 Resp: 3766

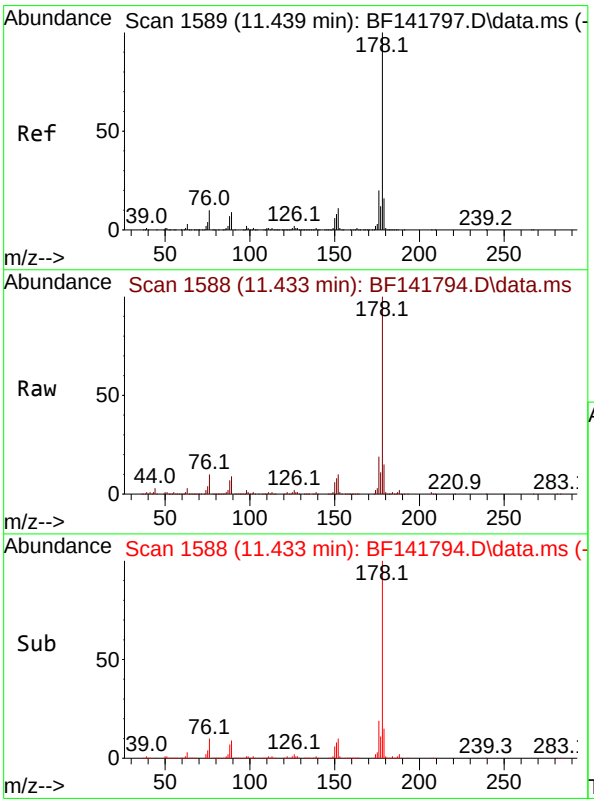
Ion	Ratio	Lower	Upper
266	100		
268	64.3	50.9	76.3
264	61.8	50.2	75.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

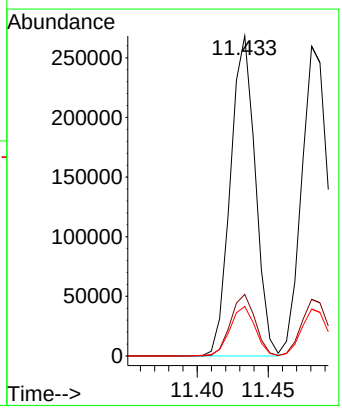
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

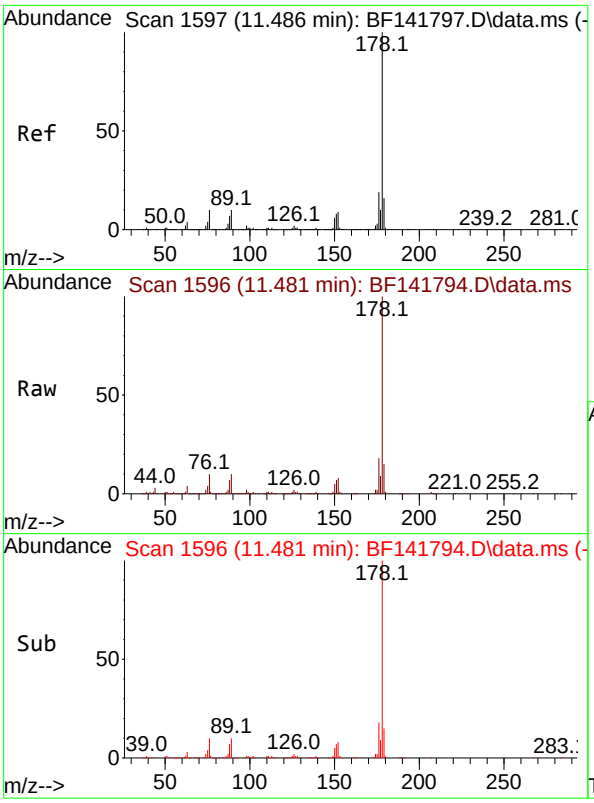


#71
Phenanthrene
Concen: 5.544 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

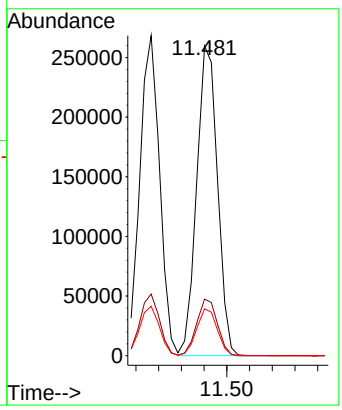




#72
Anthracene
Concen: 5.610 ng
RT: 11.481 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:178 Resp: 33114

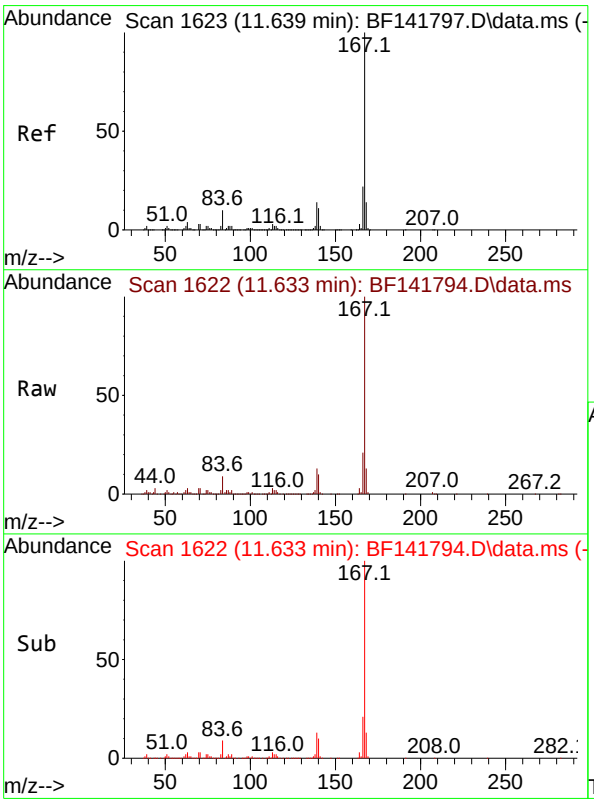
Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.0
179	15.2	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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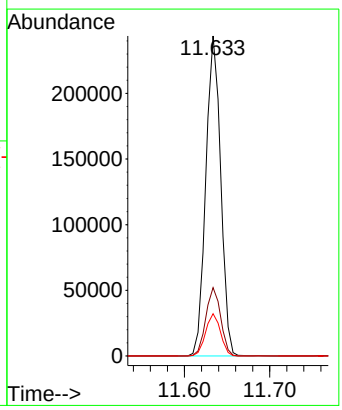
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

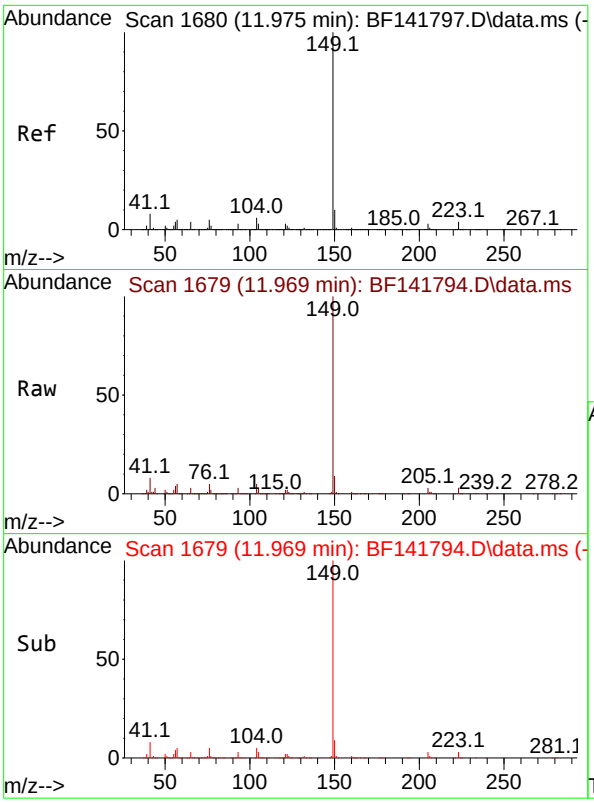


#73
Carbazole
Concen: 5.673 ng
RT: 11.633 min Scan# 1622
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

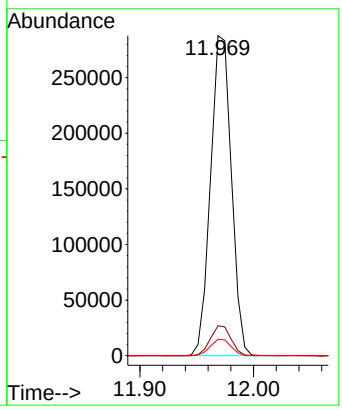




#74
Di-n-butylphthalate
Concen: 5.560 ng
RT: 11.969 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:149 Resp: 36734

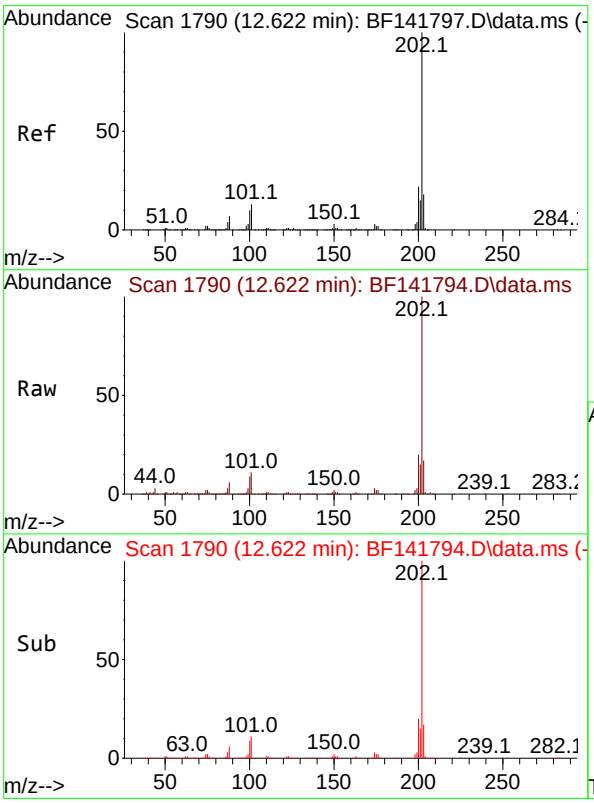
Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.7	11.5
104	5.1	4.4	6.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

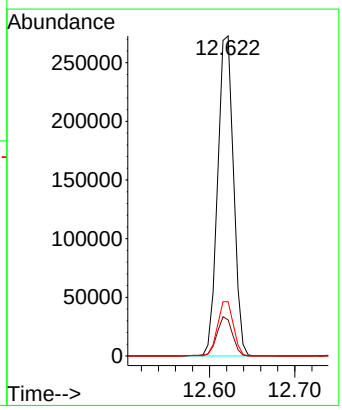
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

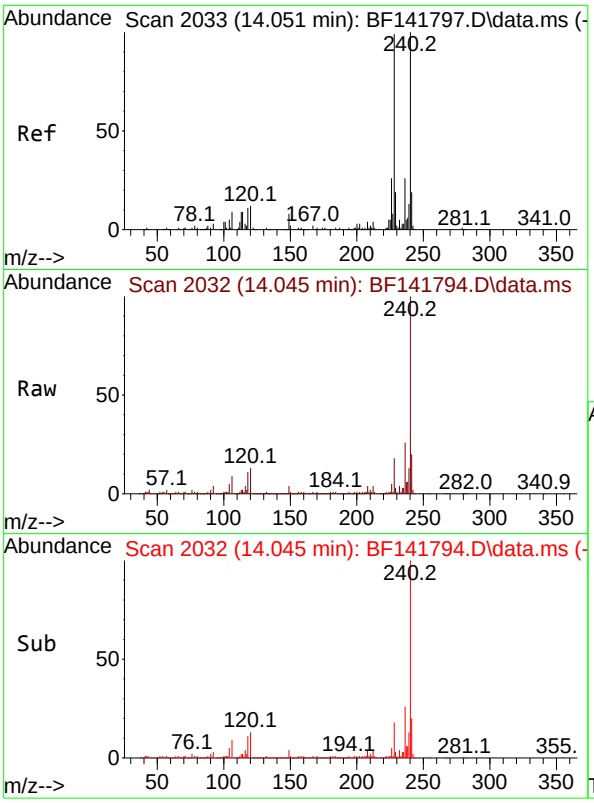


#75
Fluoranthene
Concen: 5.861 ng
RT: 12.622 min Scan# 1790
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

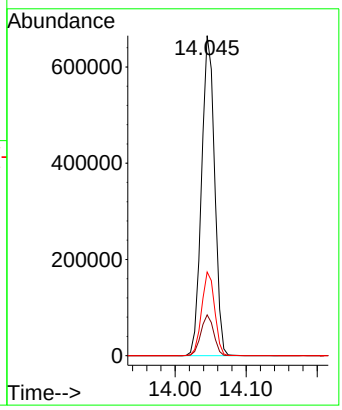




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:240 Resp: 85255

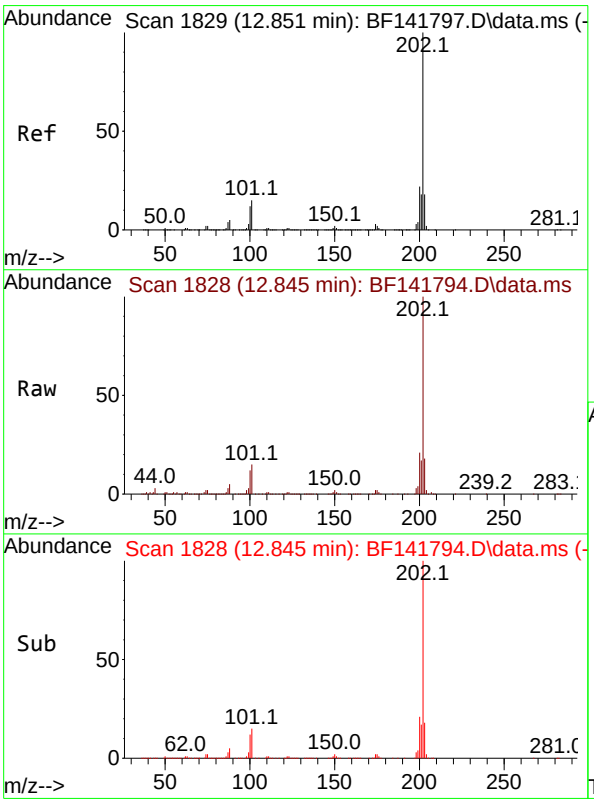
Ion	Ratio	Lower	Upper
240	100		
120	12.8	9.7	14.5
236	26.2	21.0	31.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

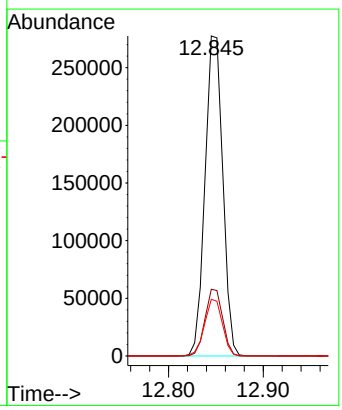
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

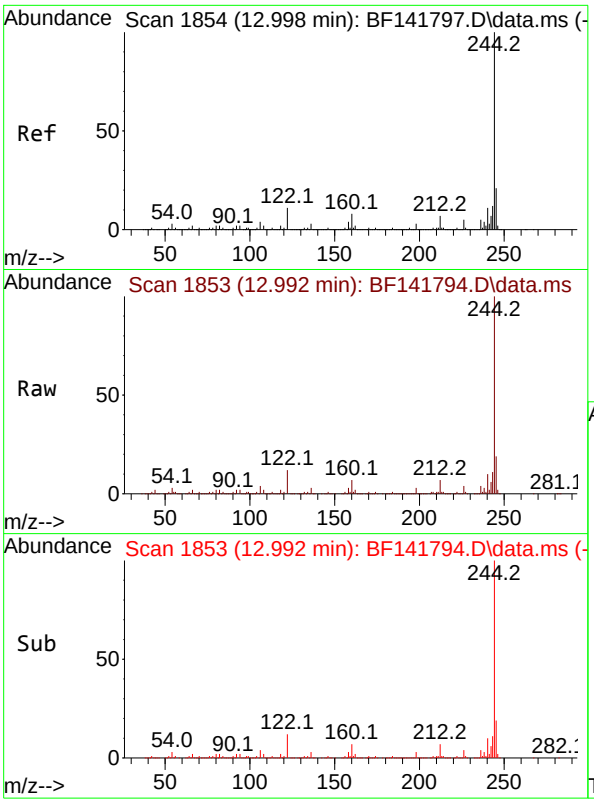


#78
Pyrene
Concen: 4.903 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

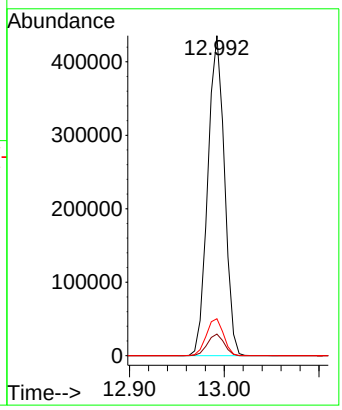




#79
Terphenyl-d14
Concen: 10.112 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:244 Resp: 53285

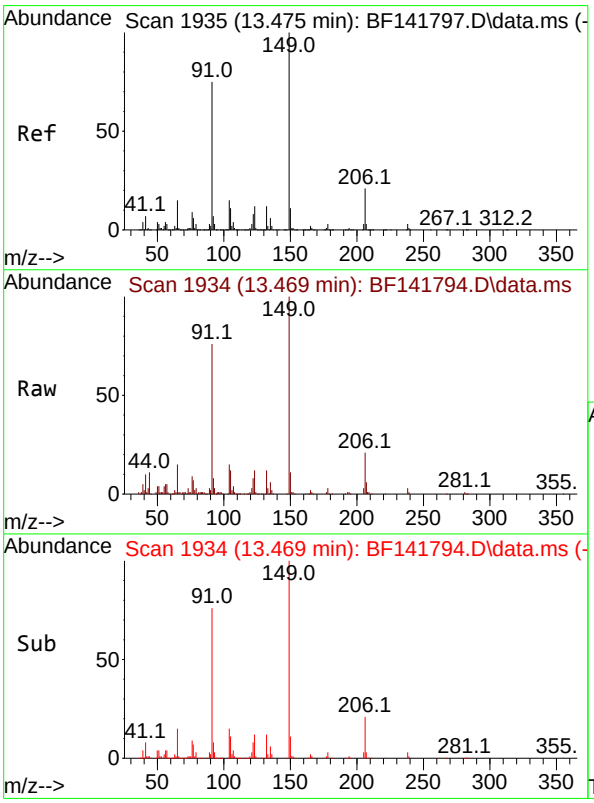
Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	11.5	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

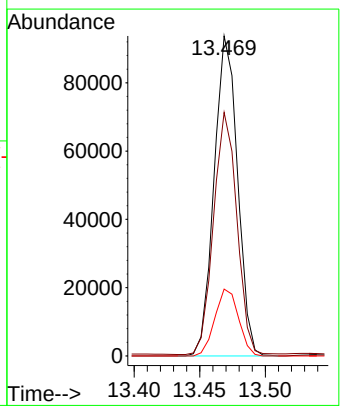
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

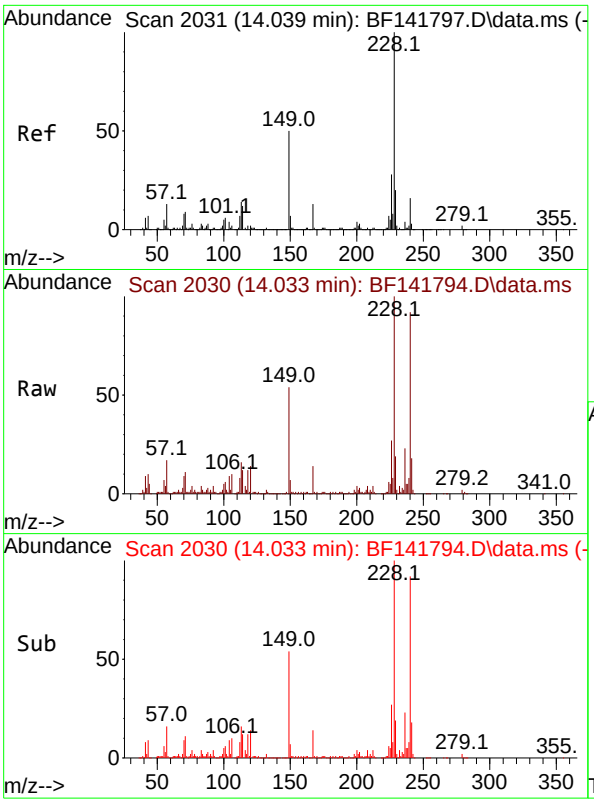


#80
Butylbenzylphthalate
Concen: 4.341 ng
RT: 13.469 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

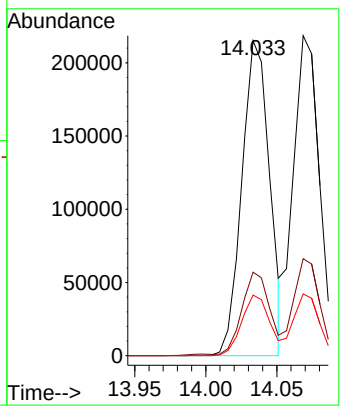




#81
Benzo(a)anthracene
Concen: 5.174 ng
RT: 14.033 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:228 Resp: 29137

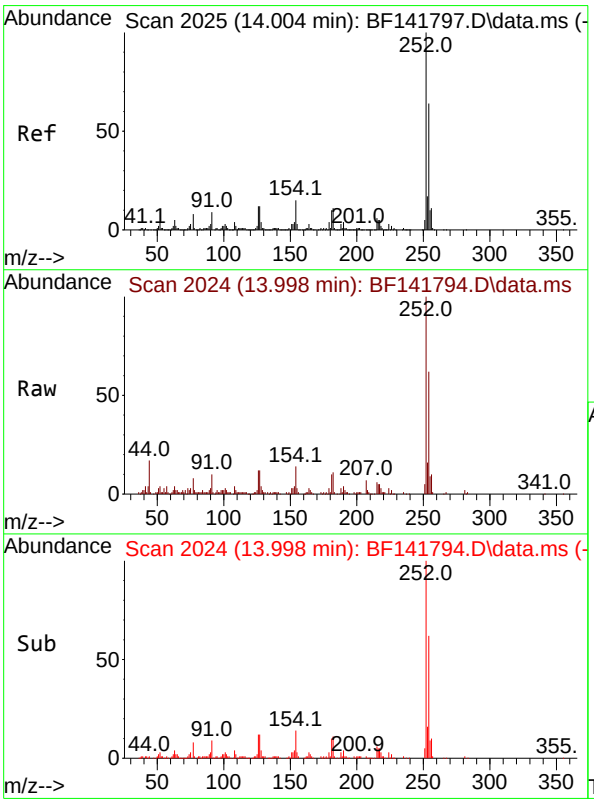
Ion	Ratio	Lower	Upper
228	100		
226	26.5	22.1	33.1
229	19.3	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

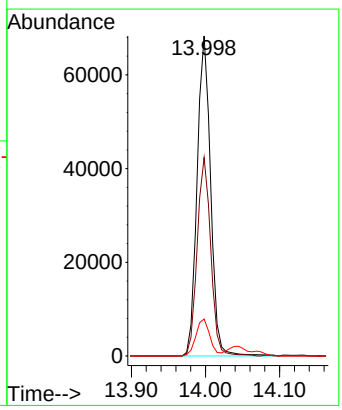
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

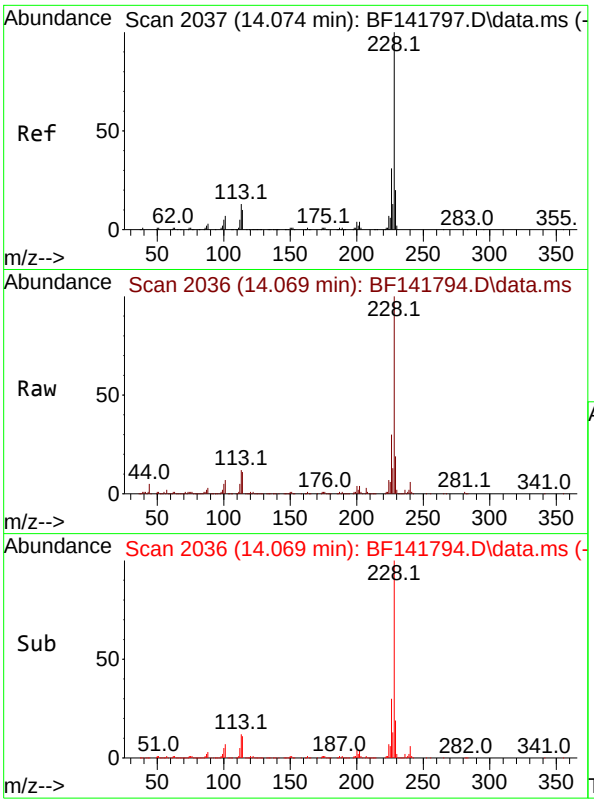


#82
3,3'-Dichlorobenzidine
Concen: 5.353 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

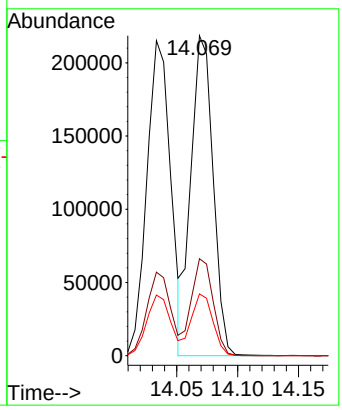




#83
Chrysene
Concen: 5.348 ng
RT: 14.069 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:228 Resp: 27763

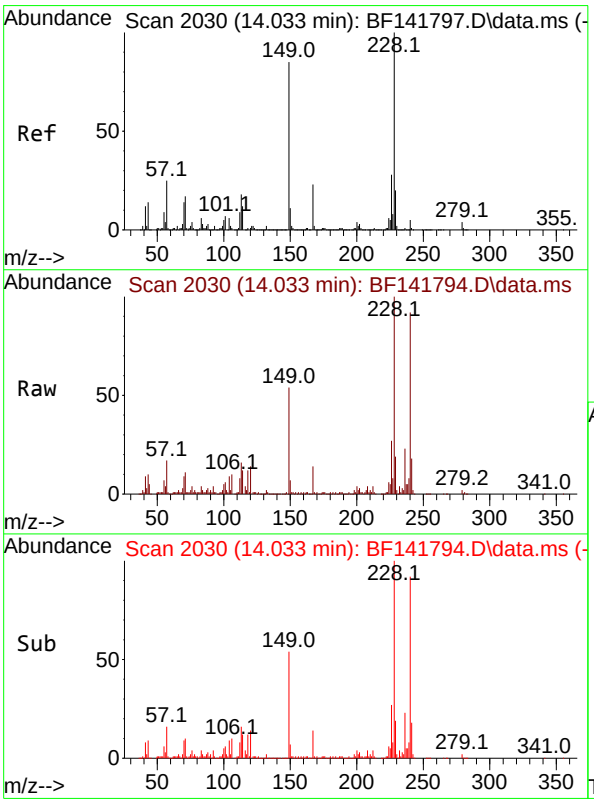
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.6	37.0
229	19.3	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

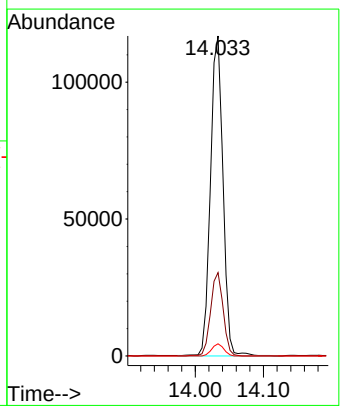
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

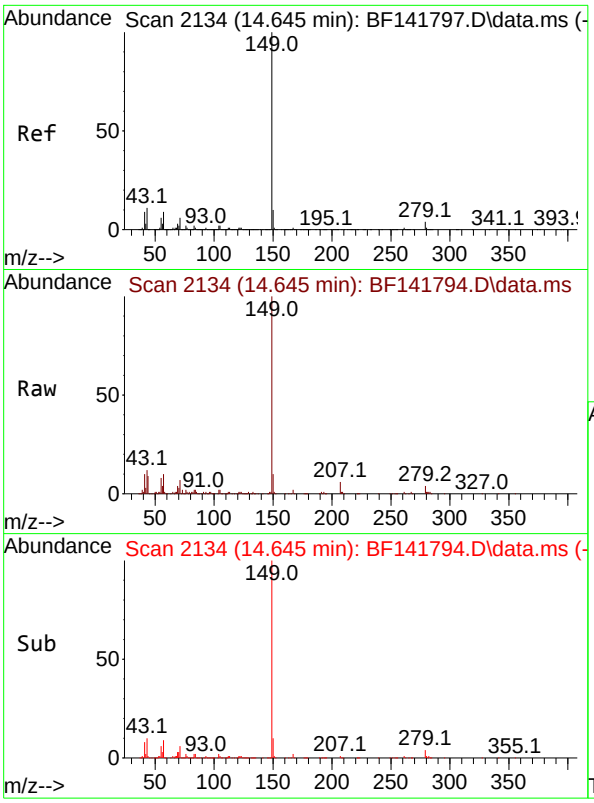


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.482 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

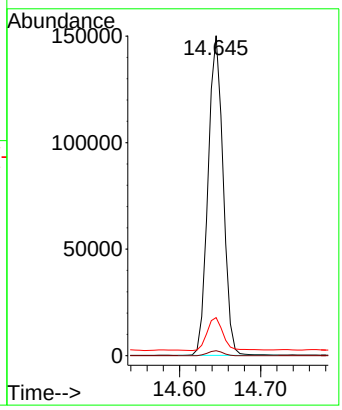
Tgt Ion:149 Resp: 19239

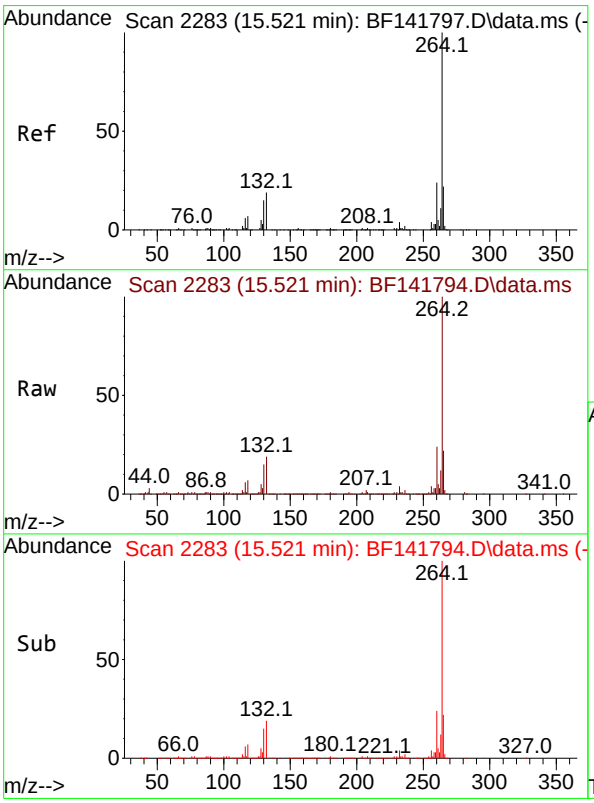
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.2	8.6	12.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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

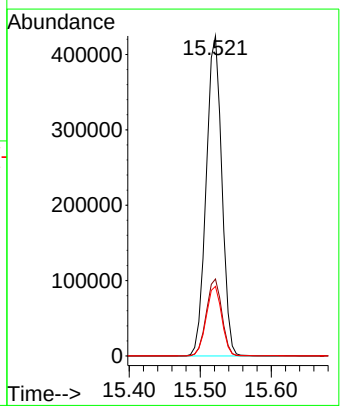


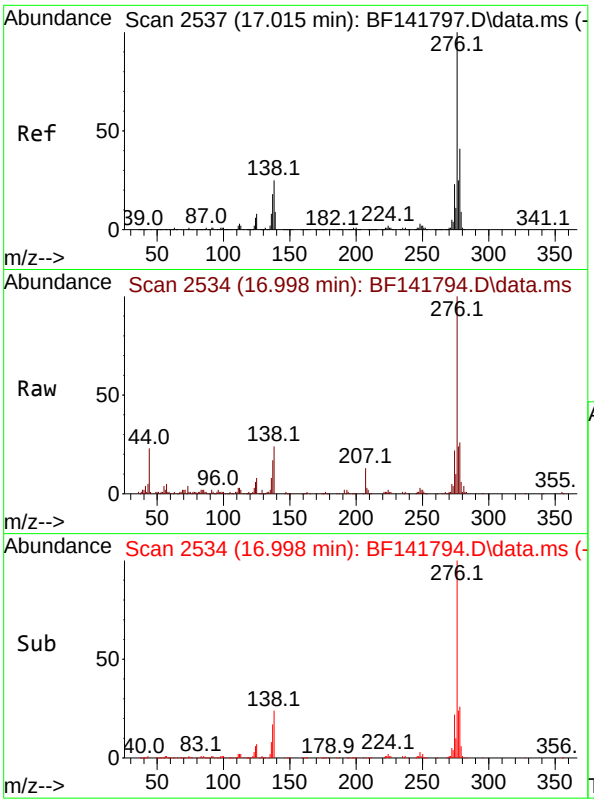


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

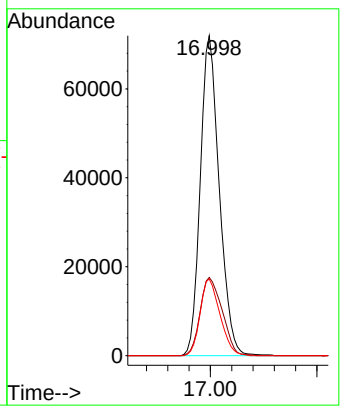




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.309 ng
RT: 16.998 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:276 Resp: 17803

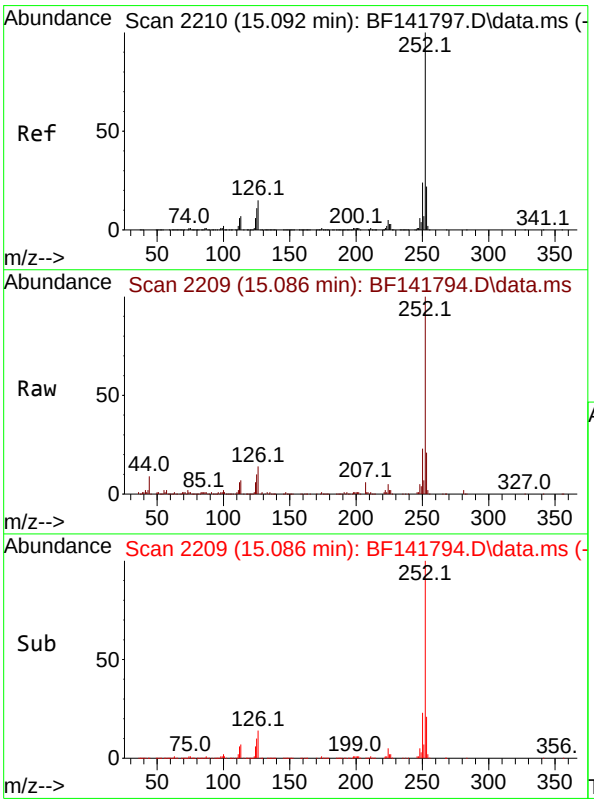
Ion	Ratio	Lower	Upper
276	100		
138	28.4	22.5	33.7
277	25.0	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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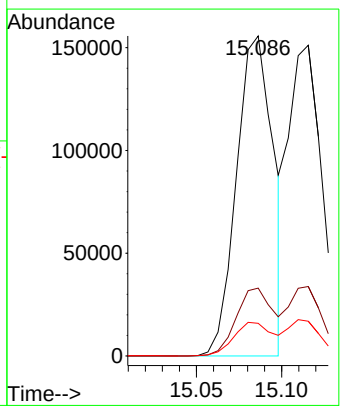
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

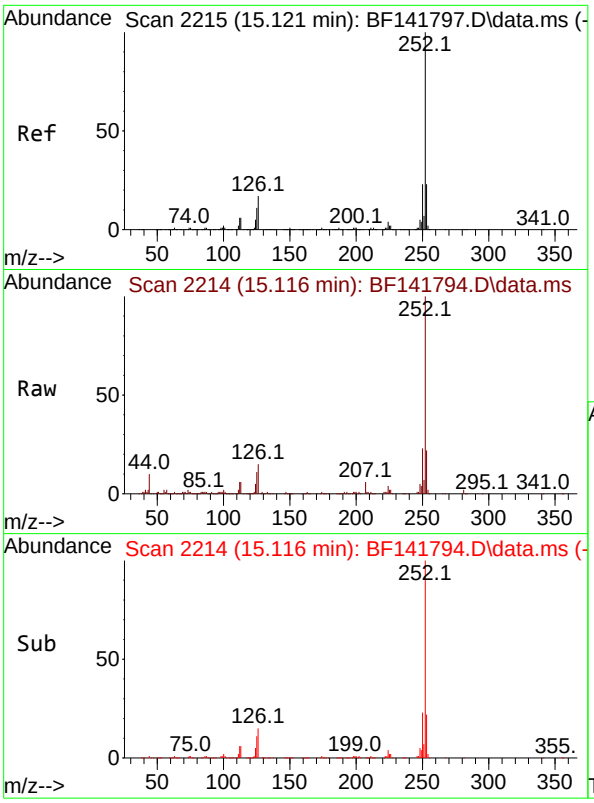


#88
Benzo(b)fluoranthene
Concen: 5.294 ng
RT: 15.086 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

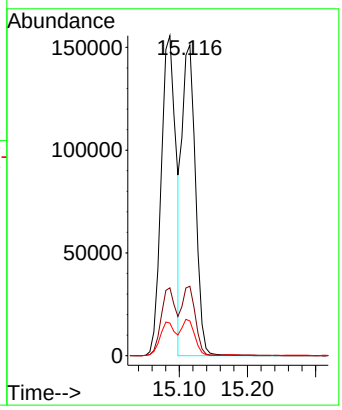




#89
Benzo(k)fluoranthene
Concen: 5.499 ng
RT: 15.116 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:252 Resp: 20661

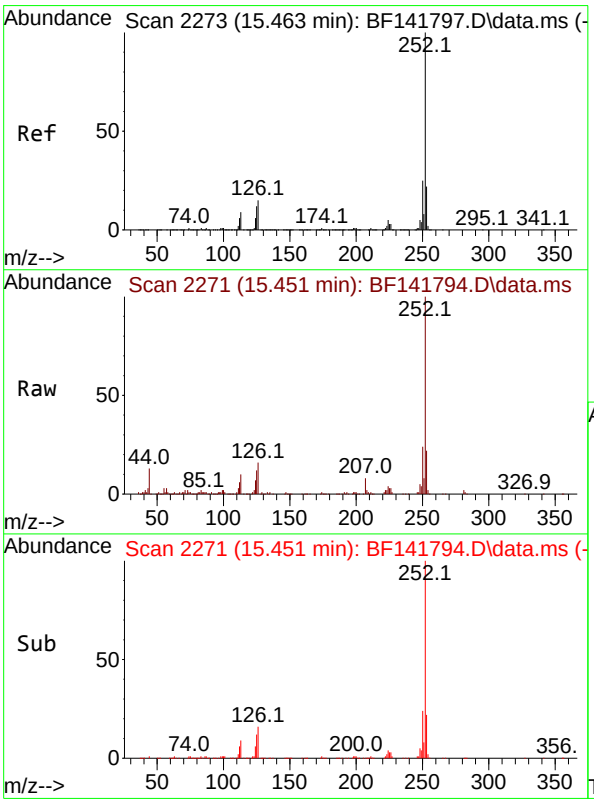
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	11.2	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

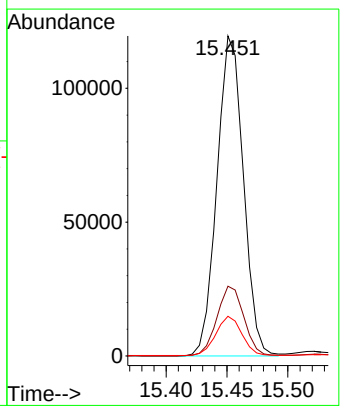
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

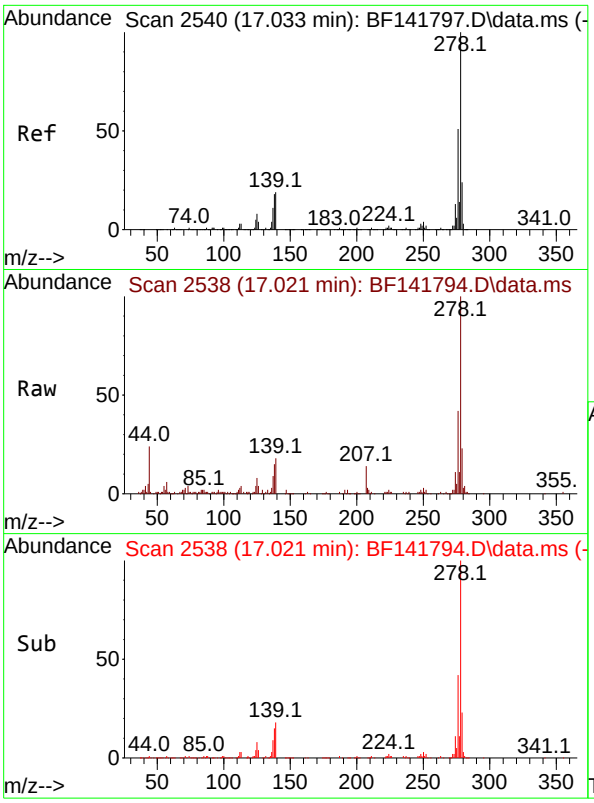


#90
Benzo(a)pyrene
Concen: 5.091 ng
RT: 15.451 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

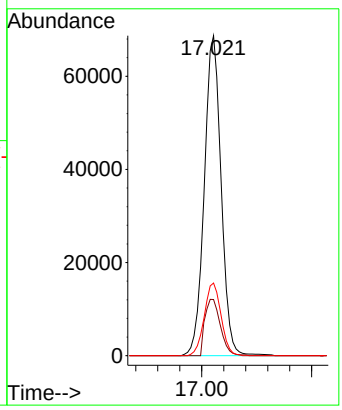




#91
Dibenzo(a,h)anthracene
Concen: 4.337 ng
RT: 17.021 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:278 Resp: 14627

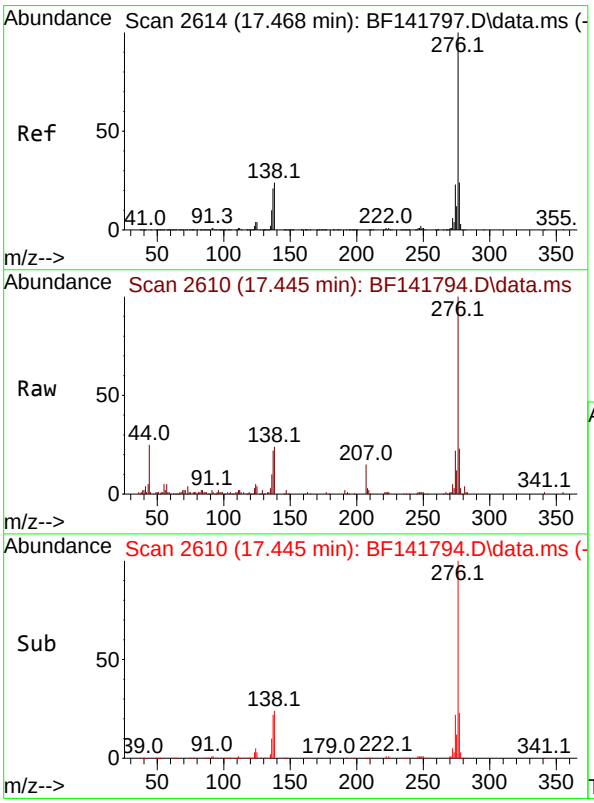
Ion	Ratio	Lower	Upper
278	100		
139	17.5	14.9	22.3
279	22.7	19.3	28.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

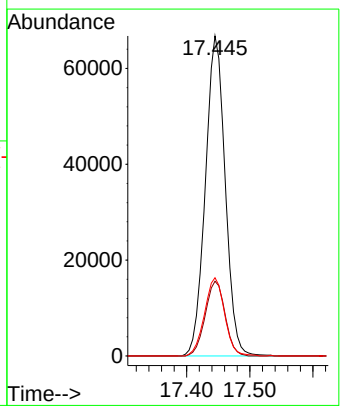
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

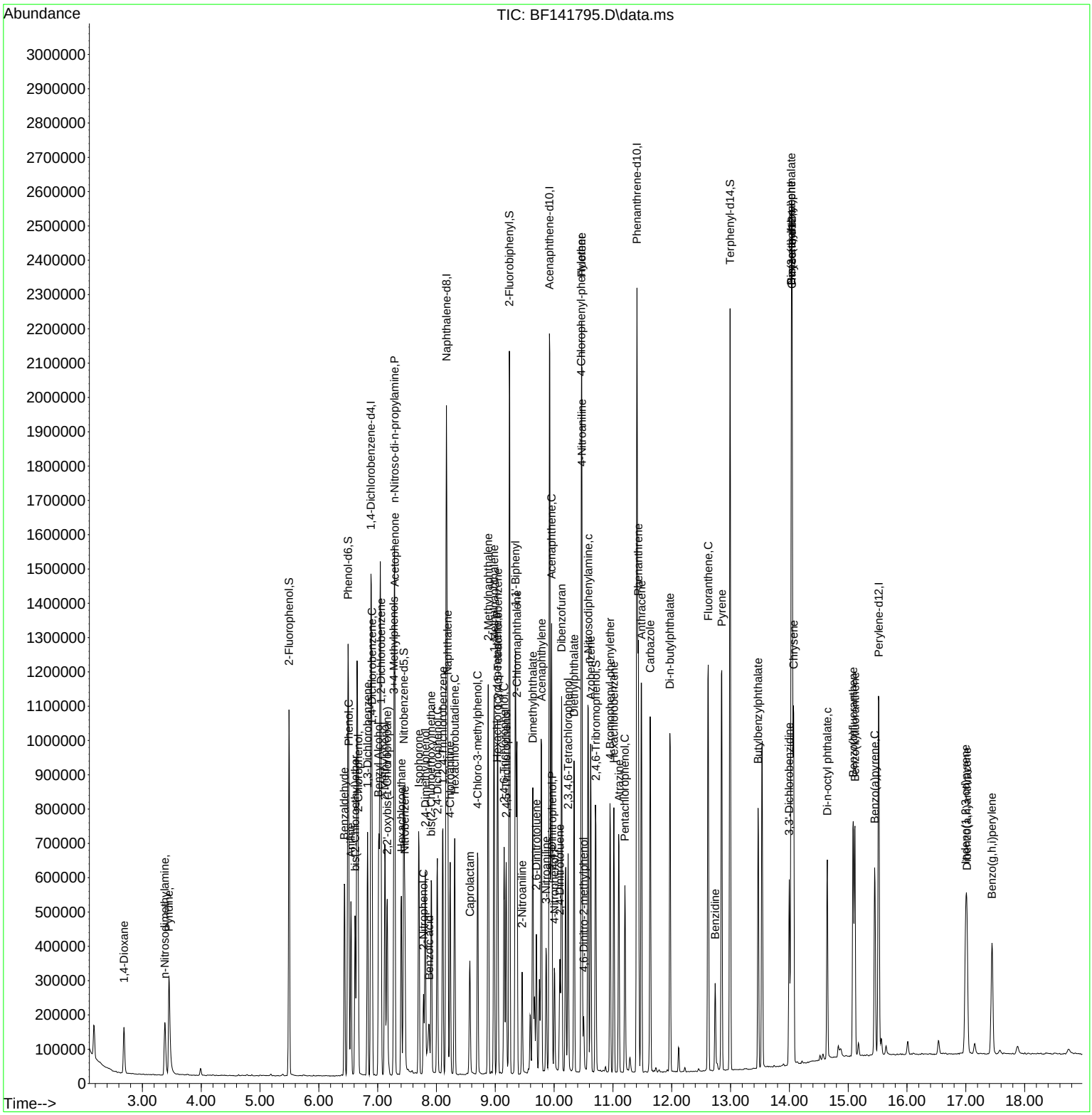
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Data File : BF141795.D
Acq On : 27 Feb 2025 16:16
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

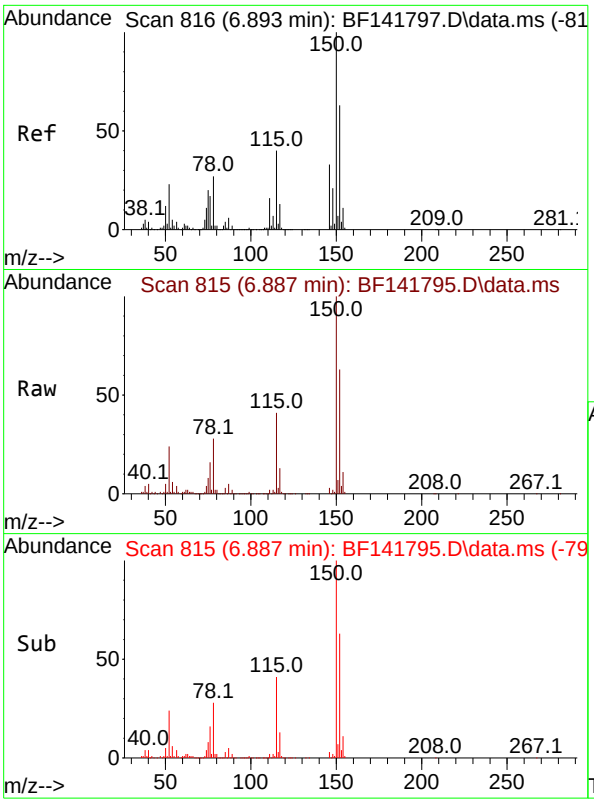
Quant Time: Feb 28 01:24:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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

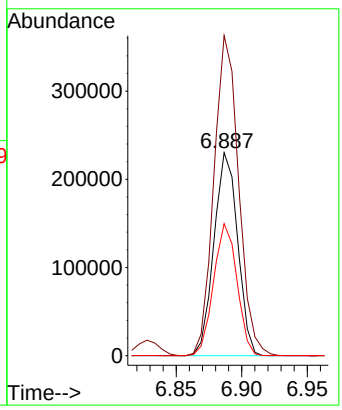




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:152 Resp: 28926

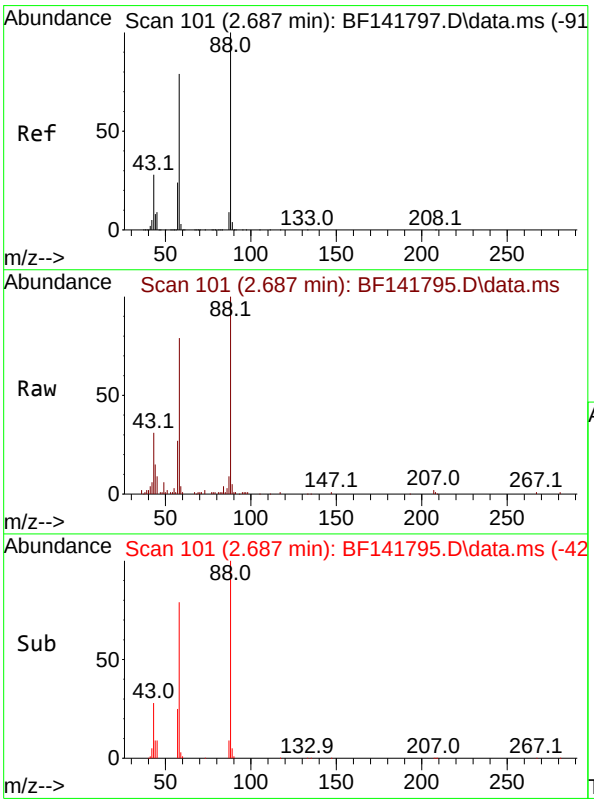
Ion	Ratio	Lower	Upper
152	100		
150	157.6	127.5	191.3
115	65.0	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

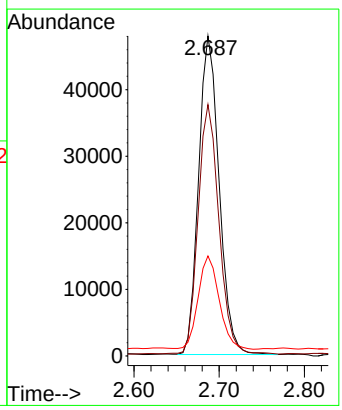
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

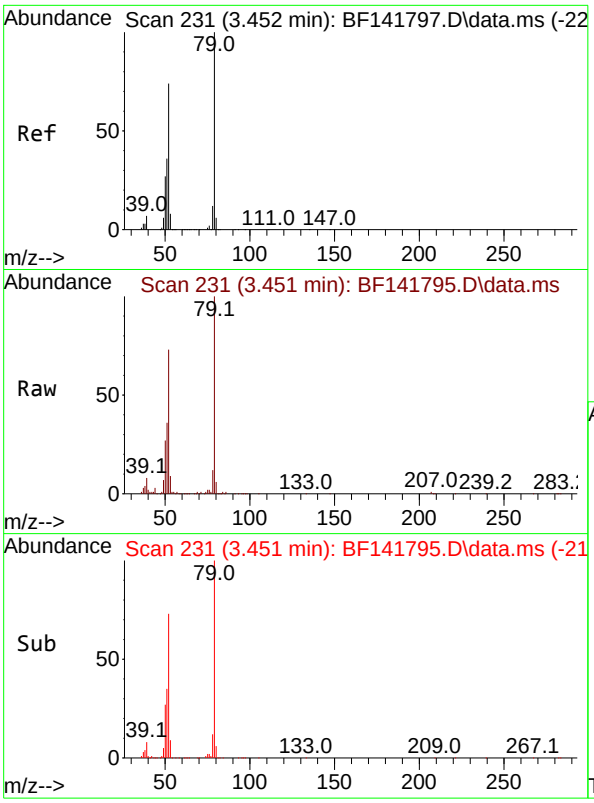


#2
1,4-Dioxane
Concen: 9.757 ng
RT: 2.687 min Scan# 101
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

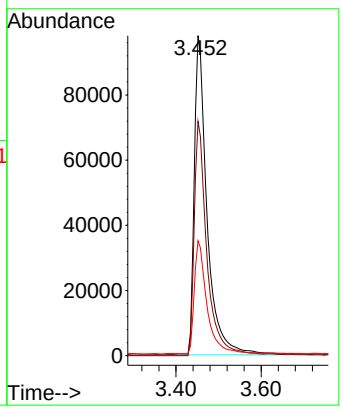
Tgt Ion: 79 Resp: 20427

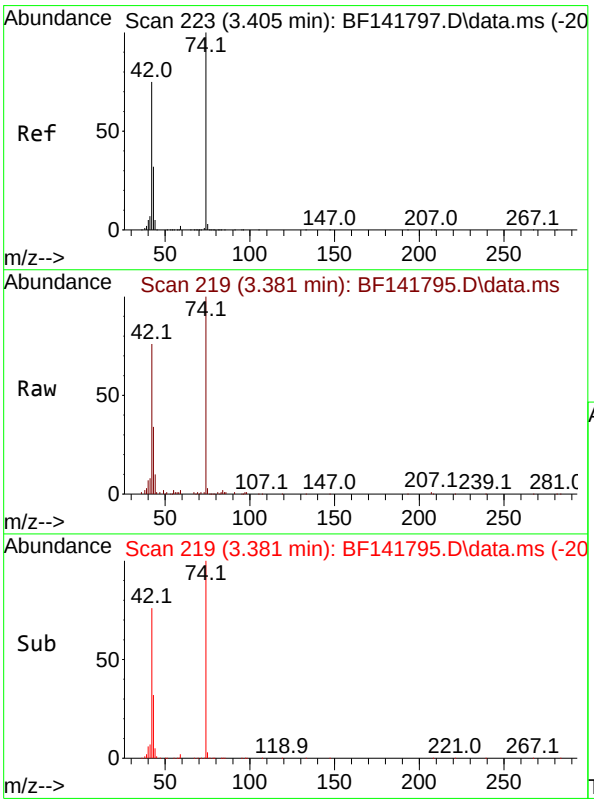
Ion	Ratio	Lower	Upper
79	100		
52	73.2	59.0	88.4
51	35.9	29.0	43.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

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

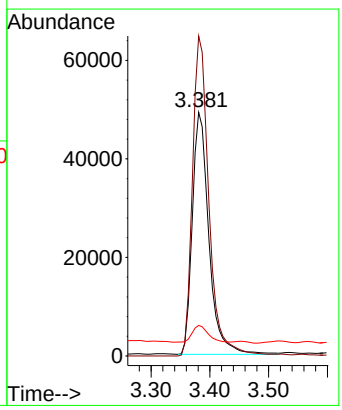


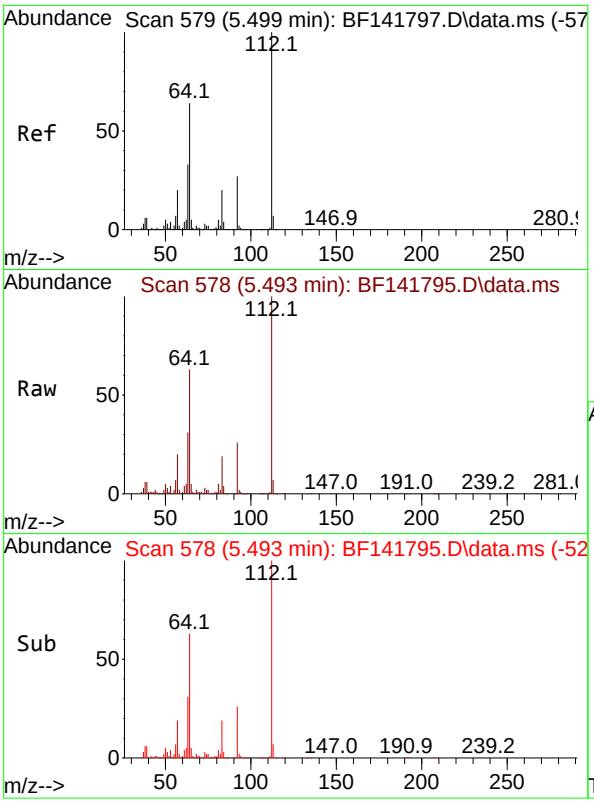


#4
n-Nitrosodimethylamine
Concen: 9.784 ng
RT: 3.381 min Scan# 219
Delta R.T. -0.024 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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#

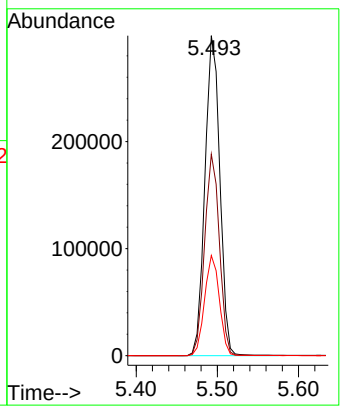




#5
2-Fluorophenol
Concen: 20.998 ng
RT: 5.493 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:112 Resp: 38035

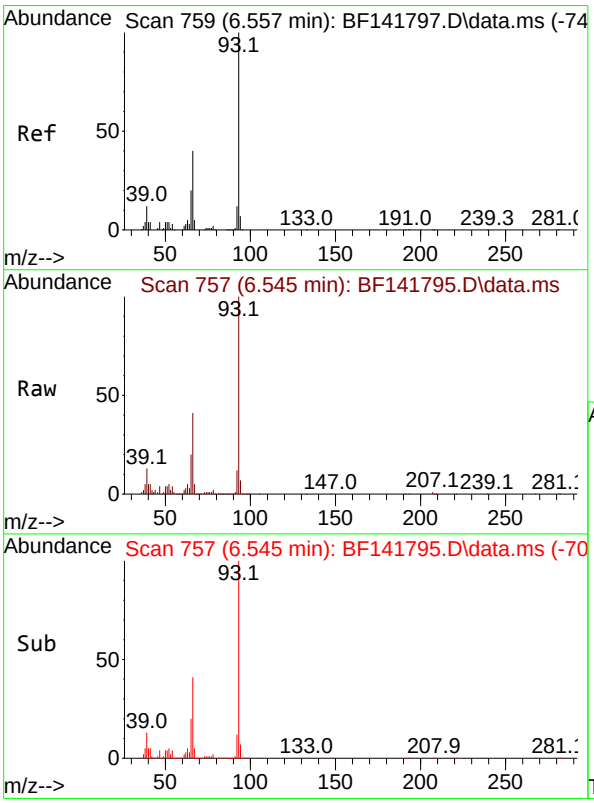
Ion	Ratio	Lower	Upper
112	100		
64	63.0	51.3	76.9
63	31.3	26.2	39.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

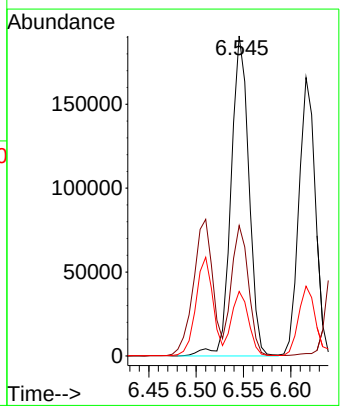
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

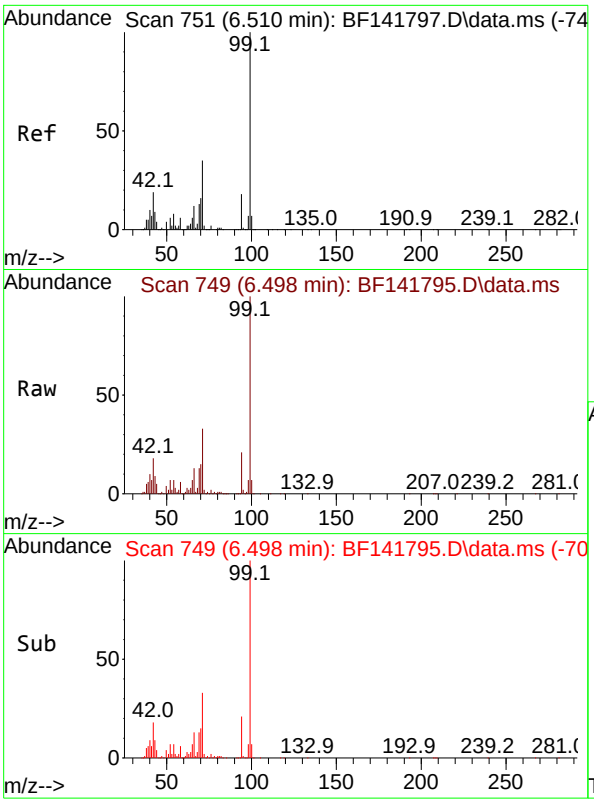


#6
Aniline
Concen: 10.243 ng
RT: 6.545 min Scan# 757
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

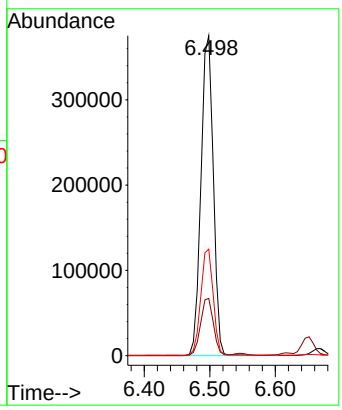




#7
Phenol-d6
Concen: 20.942 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 99 Resp: 49373

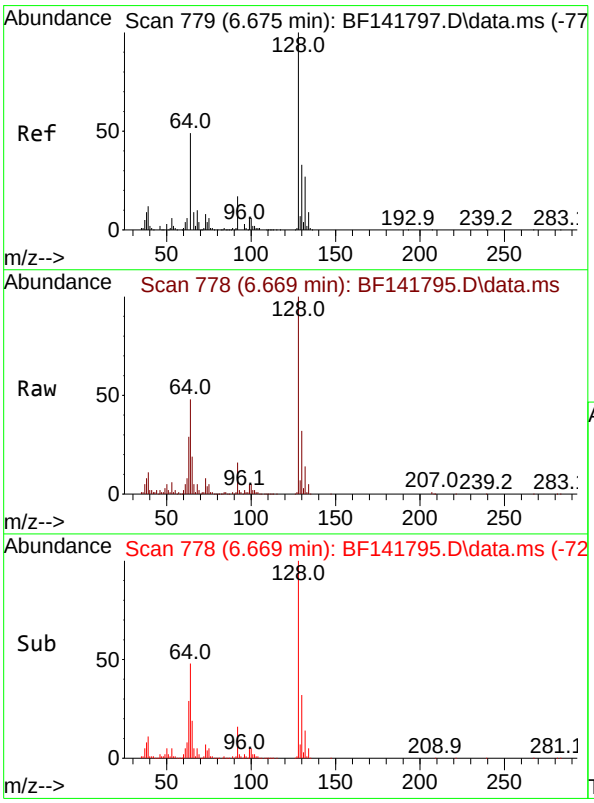
Ion	Ratio	Lower	Upper
99	100		
42	17.9	15.2	22.8
71	33.3	28.2	42.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

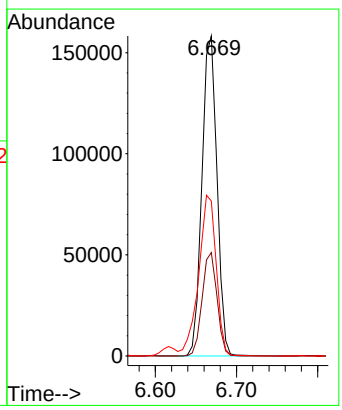
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

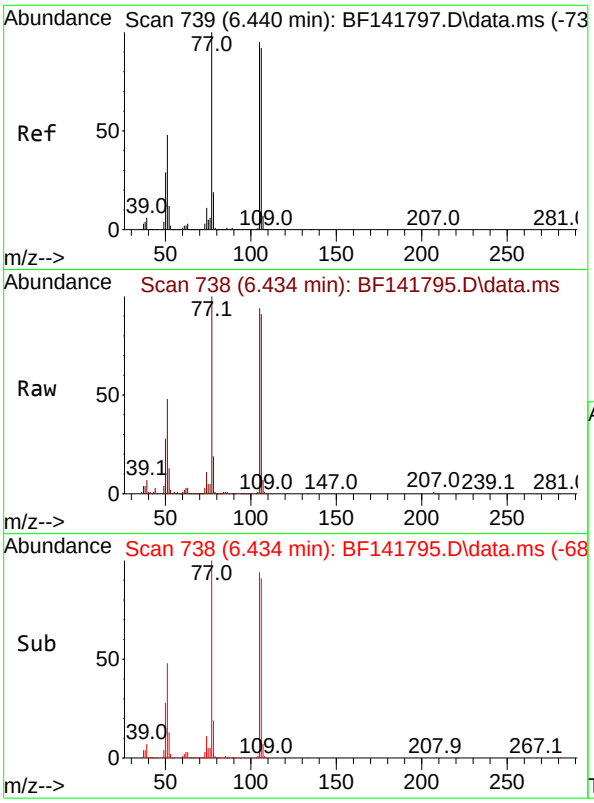


#8
2-Chlorophenol
Concen: 10.375 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

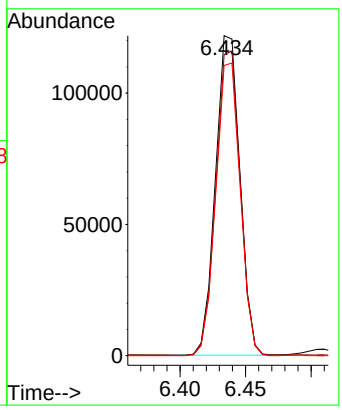




#9
Benzaldehyde
Concen: 11.474 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 77 Resp: 15735

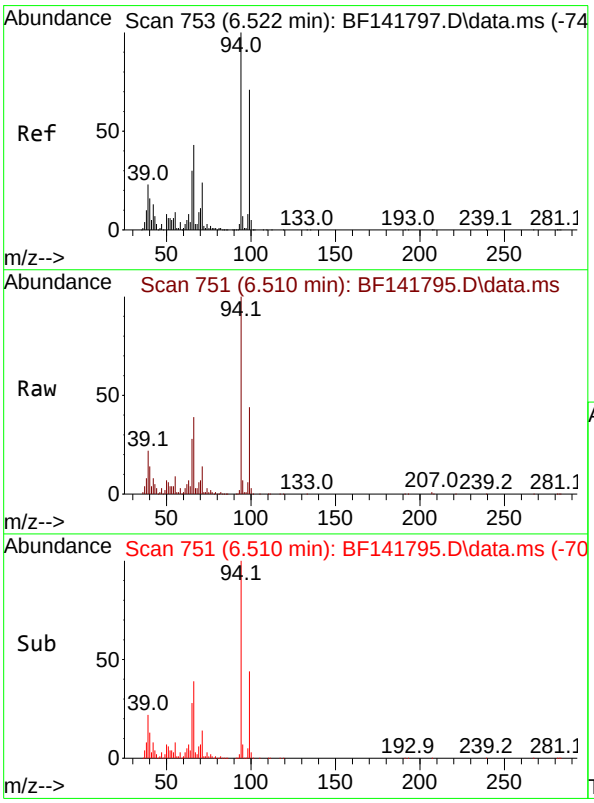
Ion	Ratio	Lower	Upper
77	100		
105	94.0	75.3	115.3
106	90.7	72.3	112.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

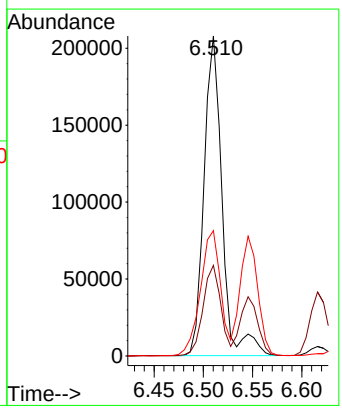
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

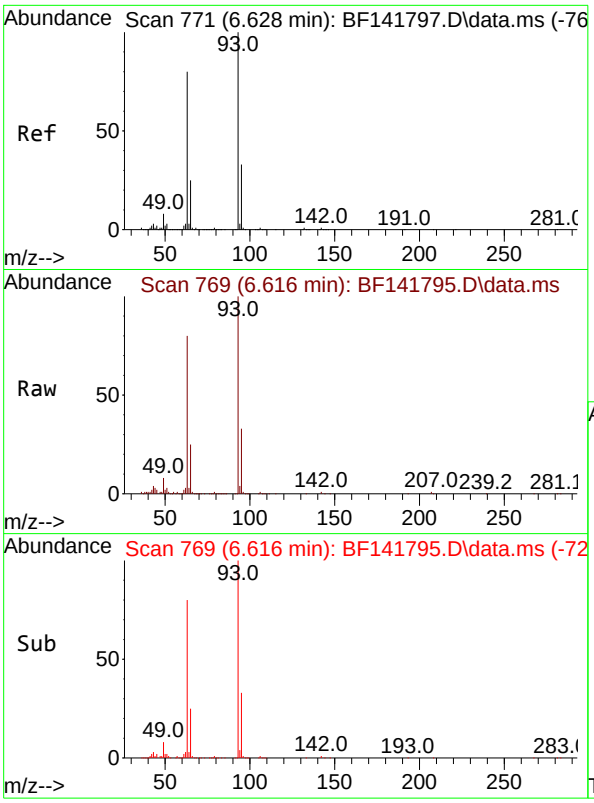


#10
Phenol
Concen: 10.494 ng m
RT: 6.510 min Scan# 751
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

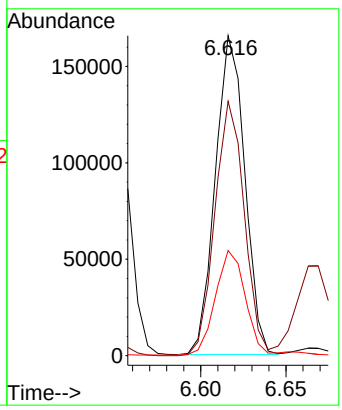




#11
bis(2-Chloroethyl)ether
Concen: 10.362 ng
RT: 6.616 min Scan# 7(
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 93 Resp: 19899(

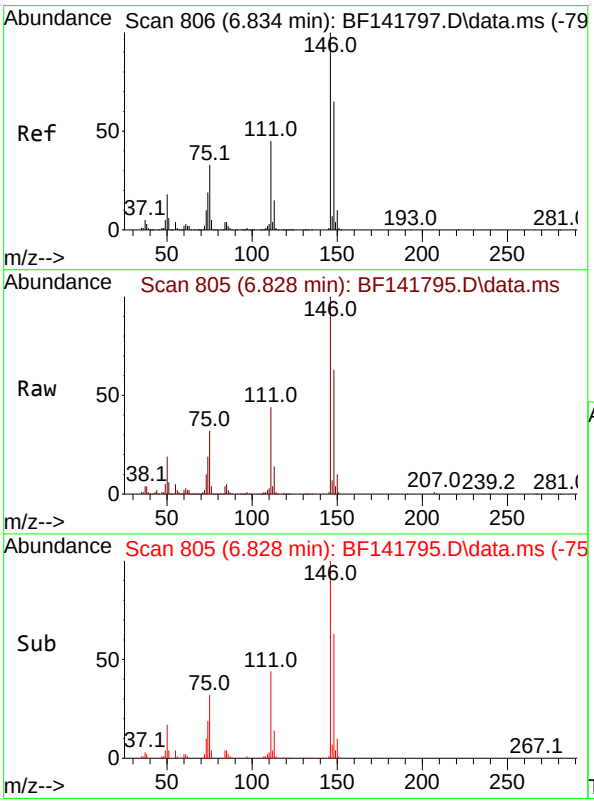
Ion	Ratio	Lower	Upper
93	100		
63	79.5	59.3	99.3
95	32.8	13.2	53.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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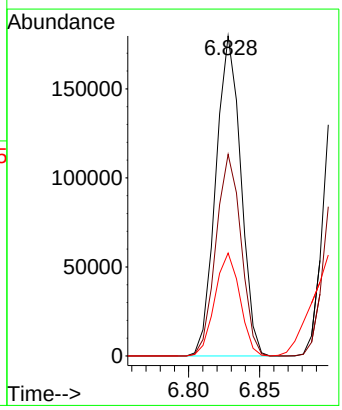
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

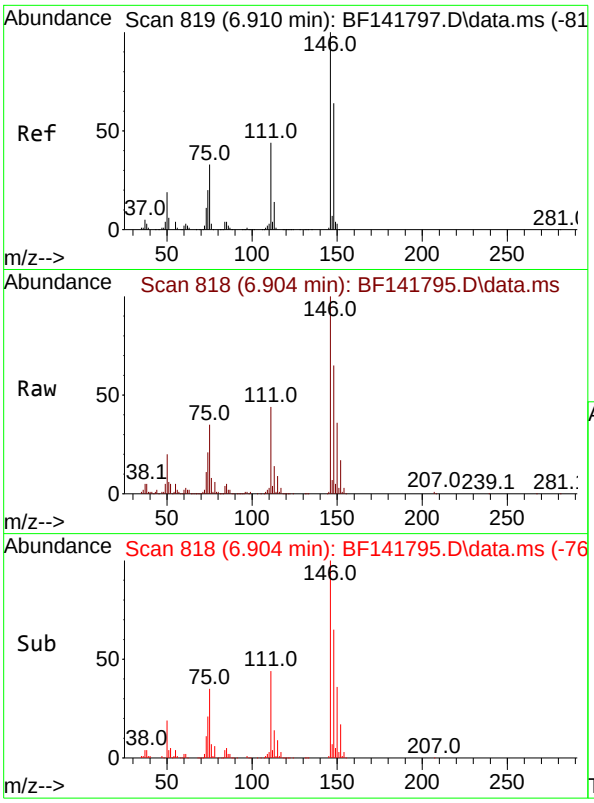


#12
1,3-Dichlorobenzene
Concen: 10.478 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

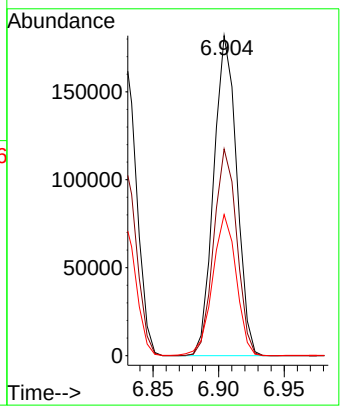




#13
1,4-Dichlorobenzene
Concen: 10.486 ng
RT: 6.904 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:146 Resp: 22170

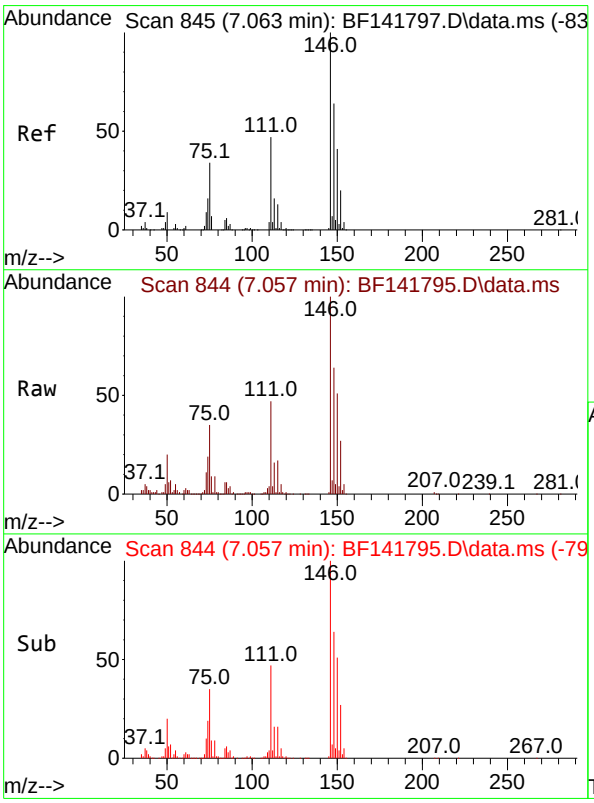
Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.4	77.2
111	44.1	35.5	53.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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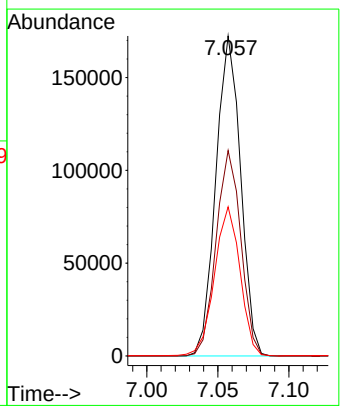
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

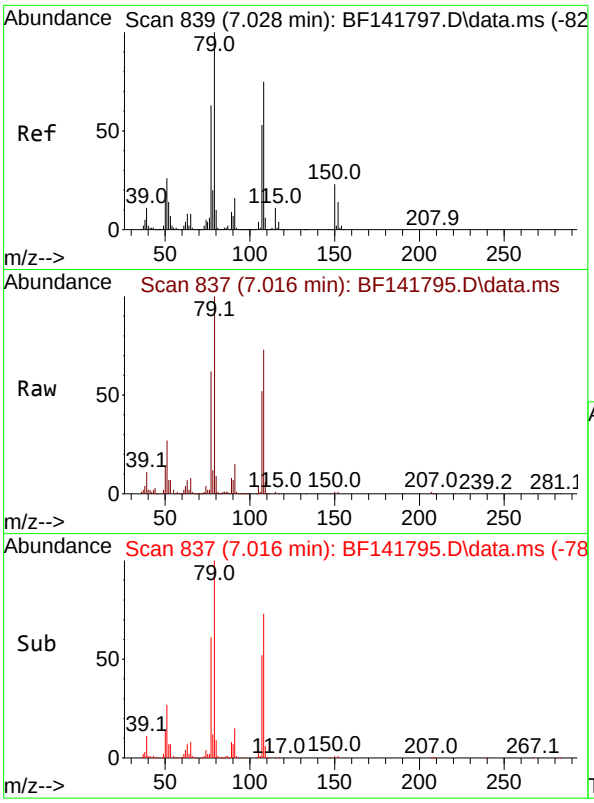


#14
1,2-Dichlorobenzene
Concen: 10.575 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

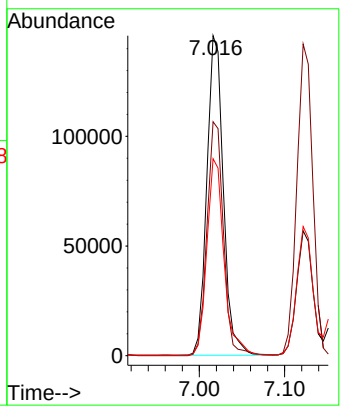
Tgt Ion: 79 Resp: 19564

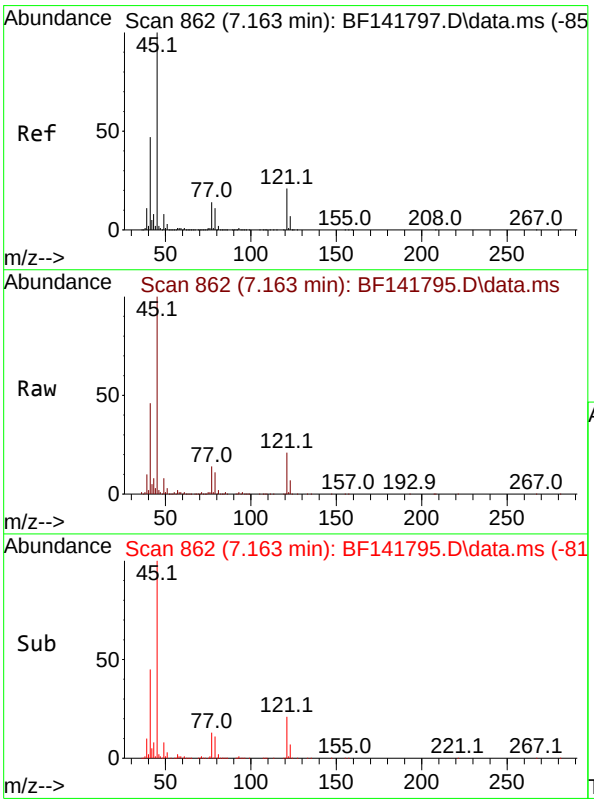
Ion	Ratio	Lower	Upper
79	100		
108	73.1	60.2	90.2
77	61.6	50.2	75.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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Supervised By :mohammad ahmed 02/28/2025

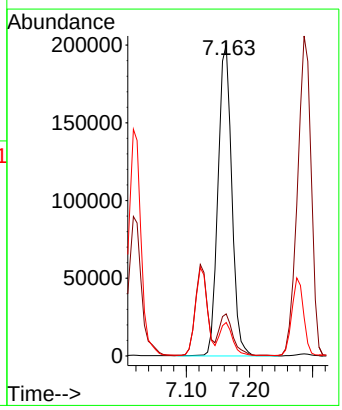


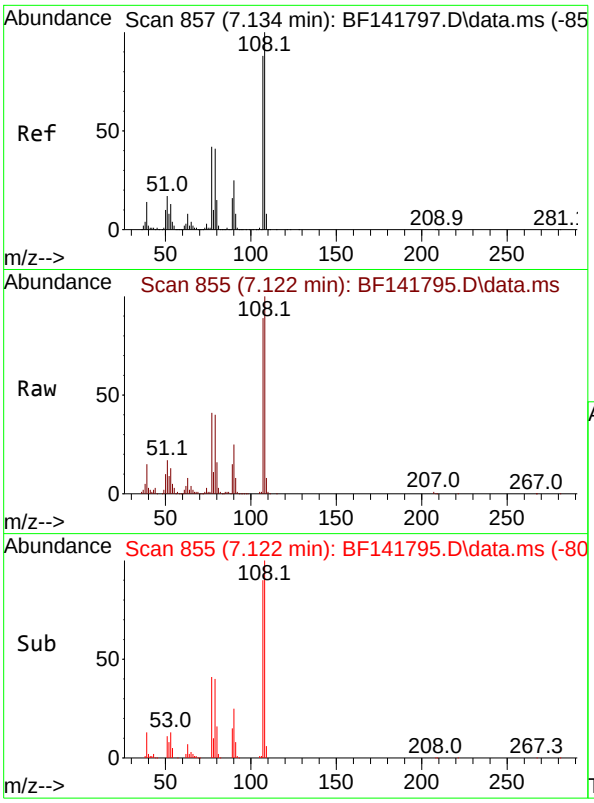


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.387 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

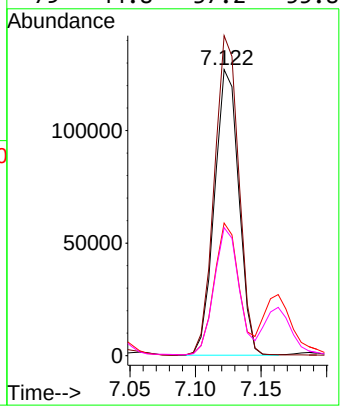




#17
2-Methylphenol
Concen: 10.121 ng
RT: 7.122 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:107 Resp: 16369

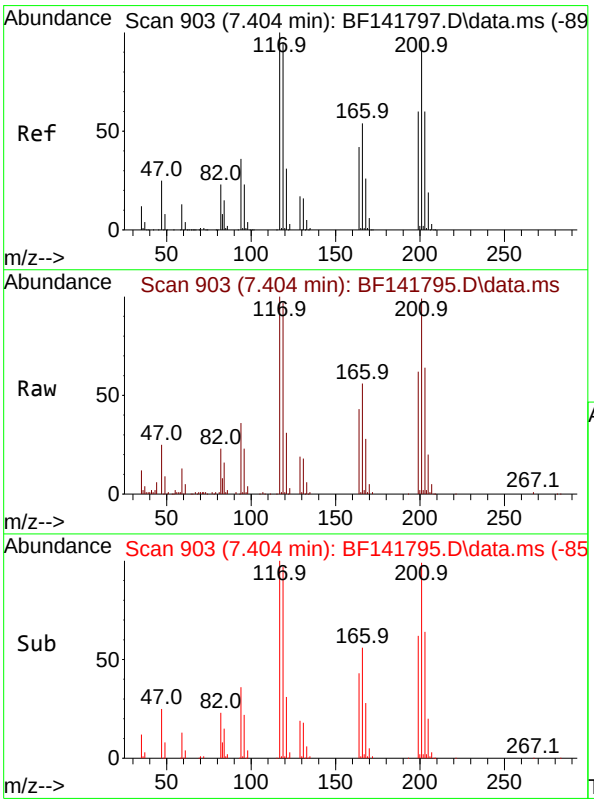
Ion	Ratio	Lower	Upper
107	100		
108	111.8	90.6	135.8
77	46.3	37.7	56.5
79	44.8	37.2	55.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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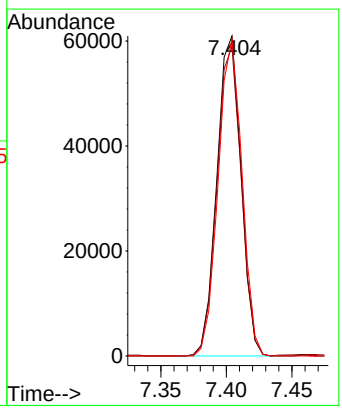
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

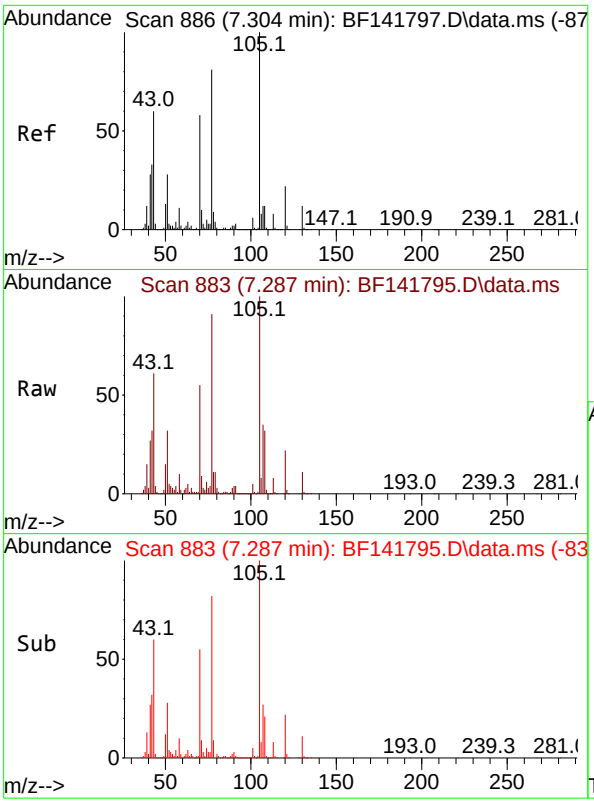


#18
Hexachloroethane
Concen: 9.899 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

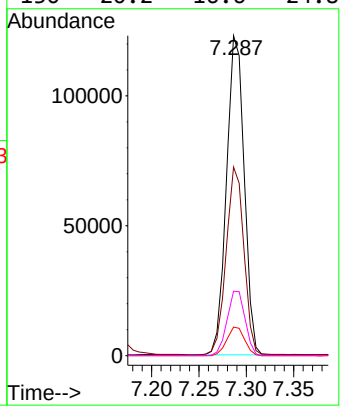




#19
n-Nitroso-di-n-propylamine
Concen: 10.315 ng
RT: 7.287 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 70 Resp: 15986

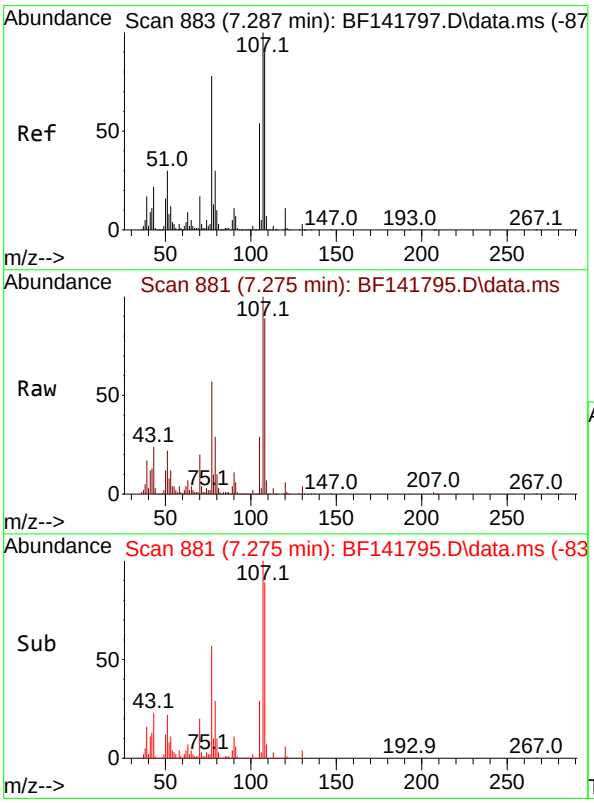
Ion	Ratio	Lower	Upper
70	100		
42	58.9	45.4	68.0
101	8.9	7.8	11.8
130	20.2	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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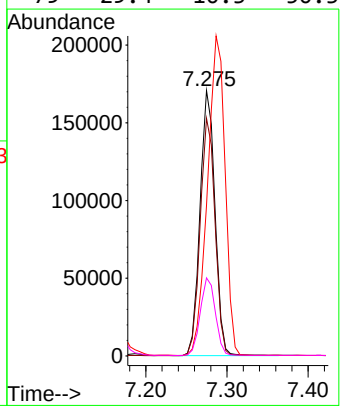
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

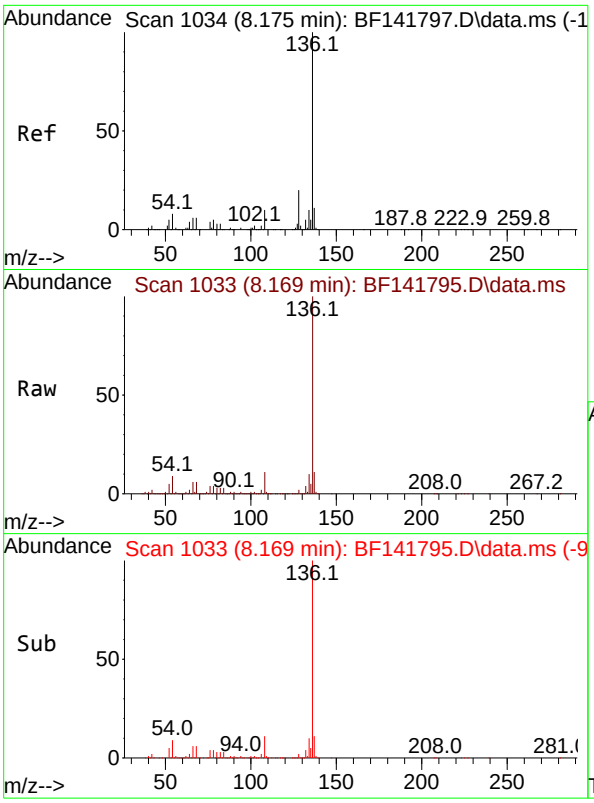


#20
3+4-Methylphenols
Concen: 10.842 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

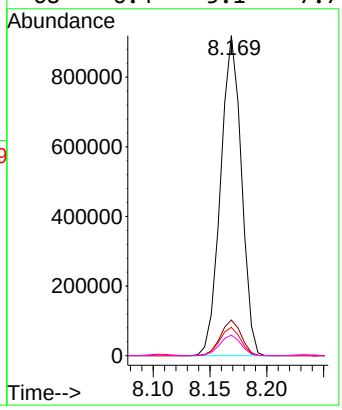




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:136 Resp: 117383

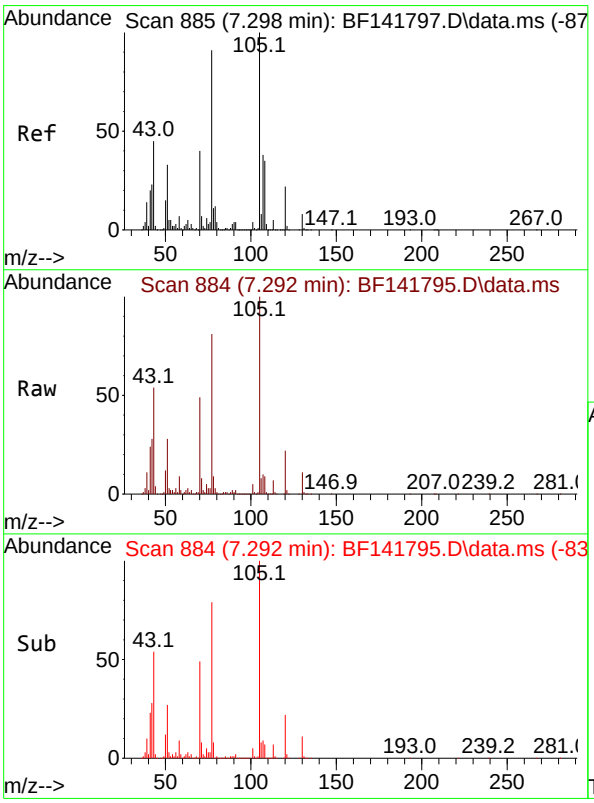
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.8	6.9	10.3
68	6.4	5.1	7.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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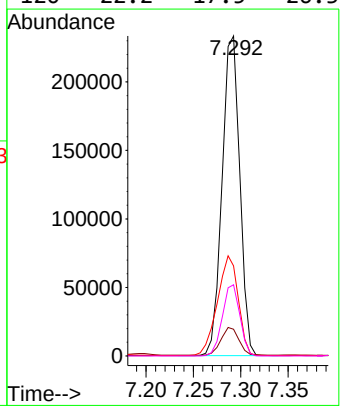
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

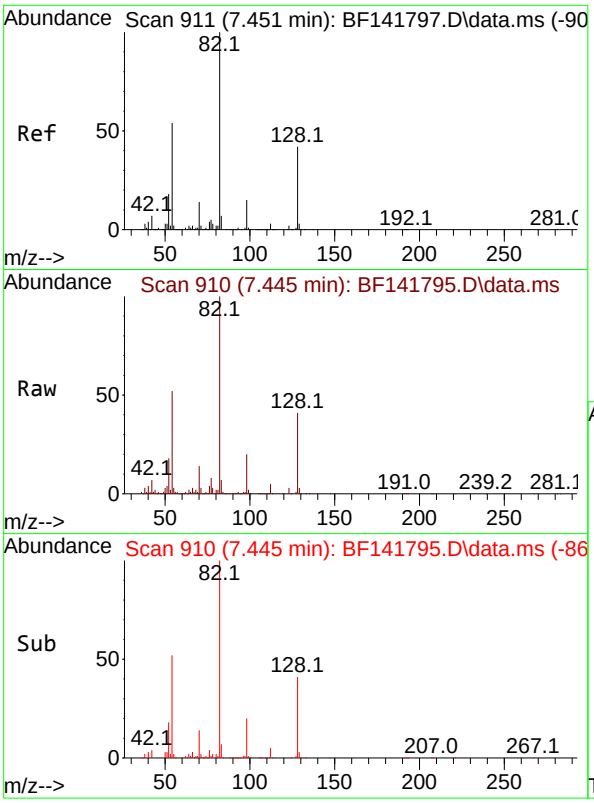


#22
Acetophenone
Concen: 10.606 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

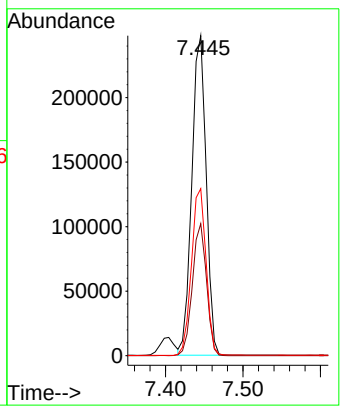
Tgt Ion: 82 Resp: 31836

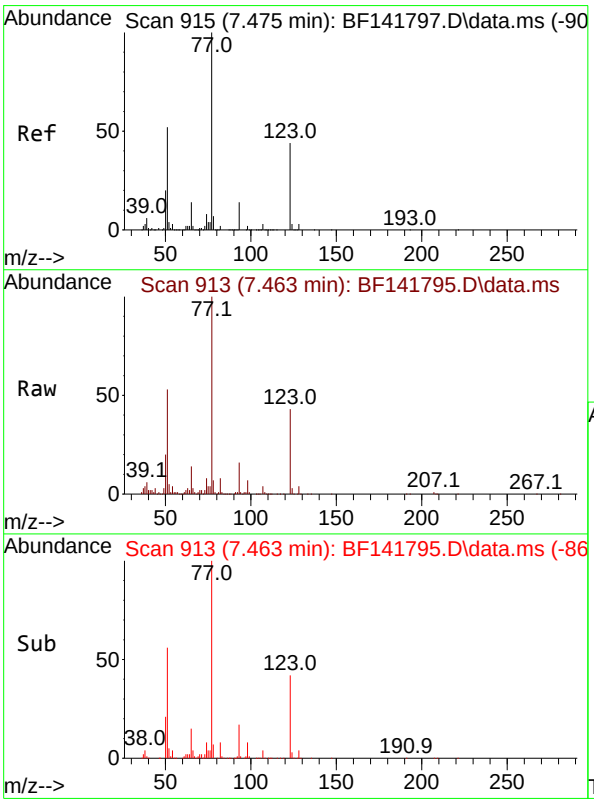
Ion	Ratio	Lower	Upper
82	100		
128	41.3	33.5	50.3
54	52.2	42.7	64.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

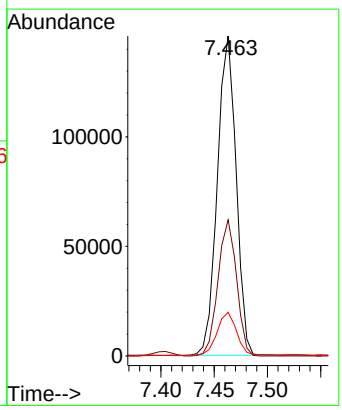


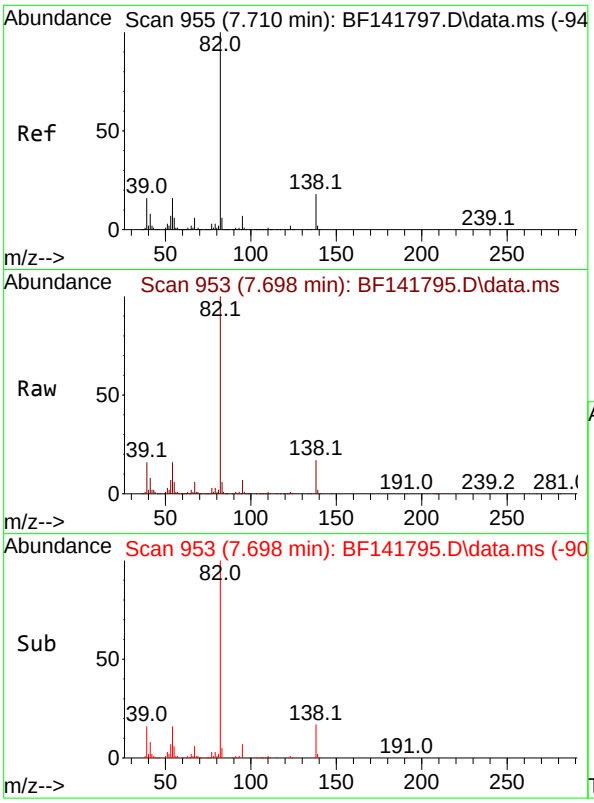


#24
Nitrobenzene
Concen: 9.057 ng
RT: 7.463 min Scan# 913
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

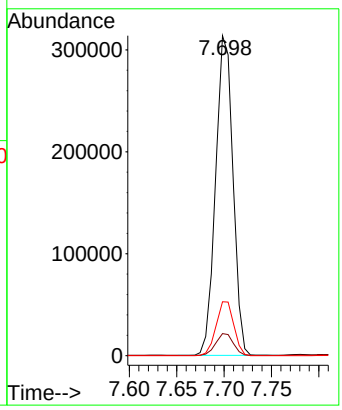
Tgt Ion: 82 Resp: 40022

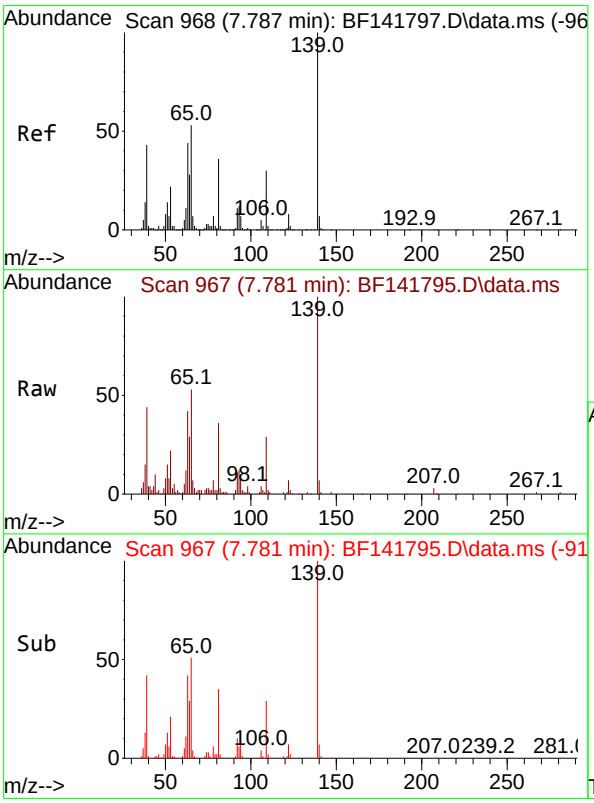
Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.8	8.8
138	16.9	14.0	21.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

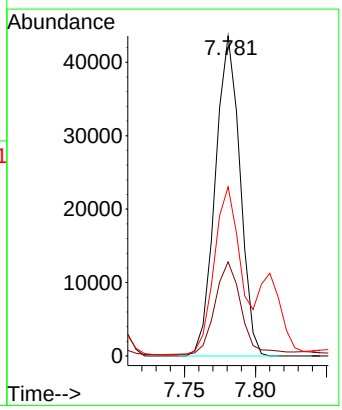


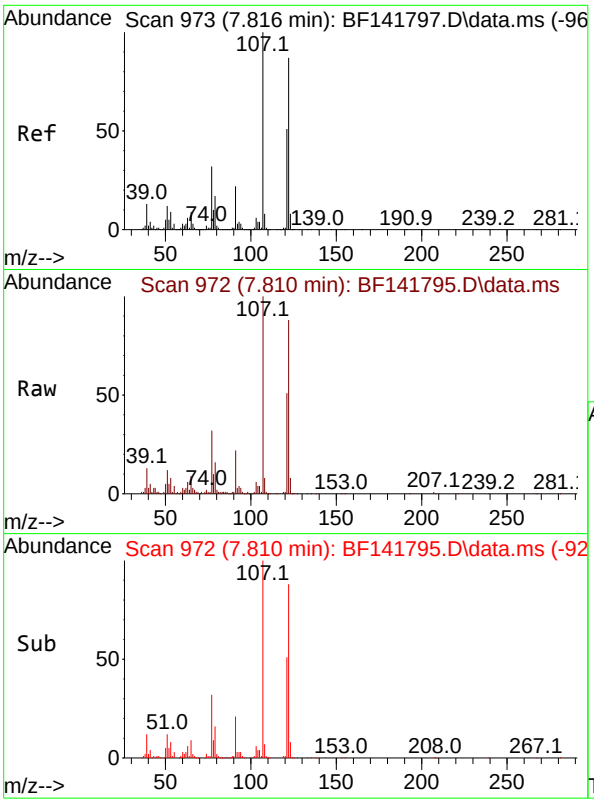


#26
2-Nitrophenol
Concen: 9.980 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

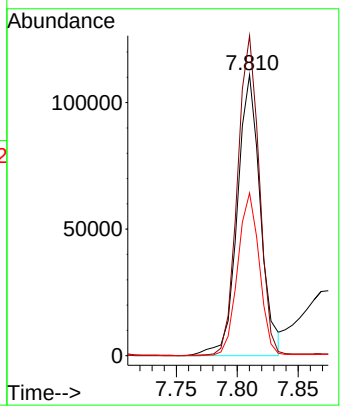




#27
2,4-Dimethylphenol
Concen: 10.103 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:122 Resp: 14651

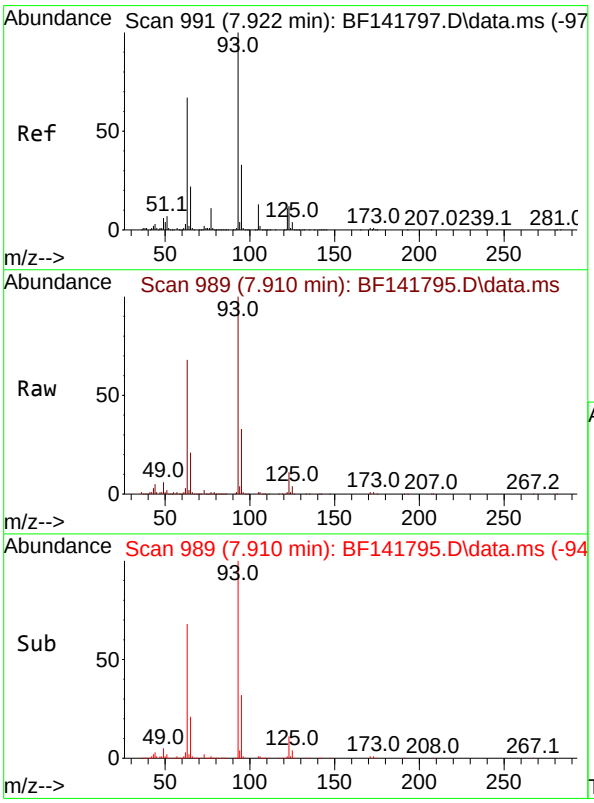
Ion	Ratio	Lower	Upper
122	100		
107	113.9	92.5	138.7
121	57.9	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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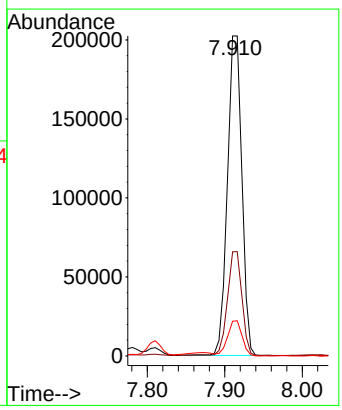
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

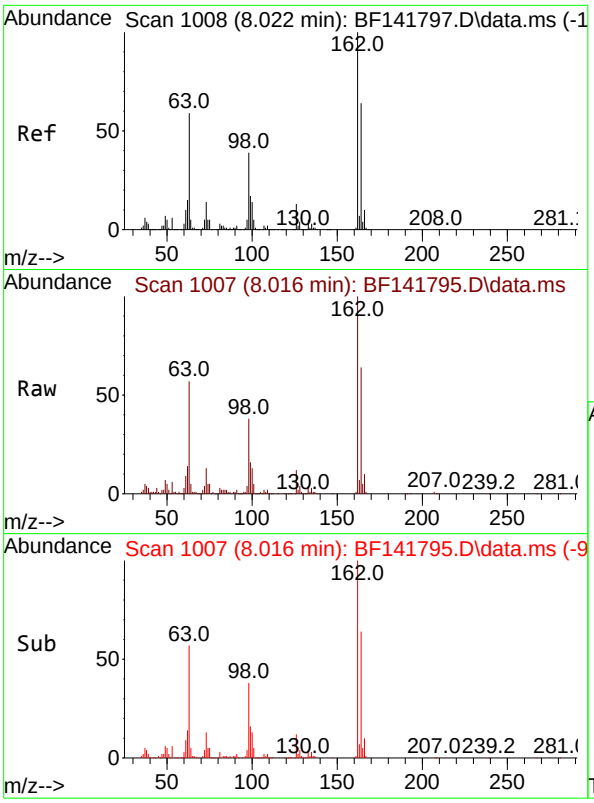


#28
bis(2-Chloroethoxy)methane
Concen: 10.445 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

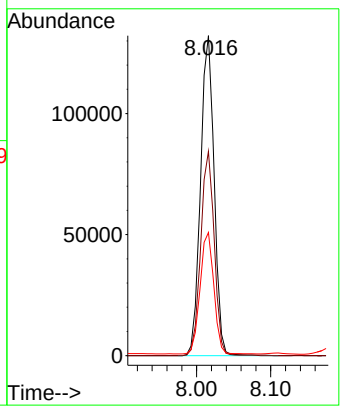
Tgt Ion:162 Resp: 16921(

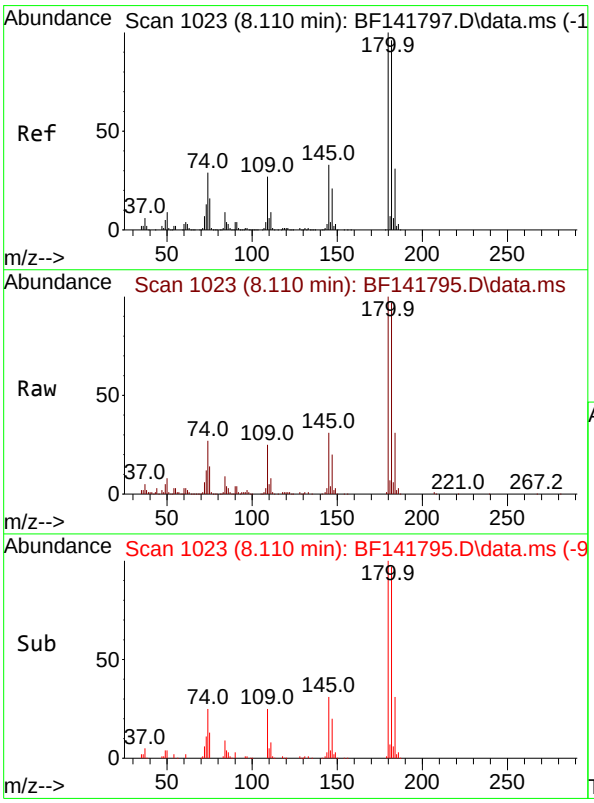
Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.3	84.3
98	38.5	19.6	59.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

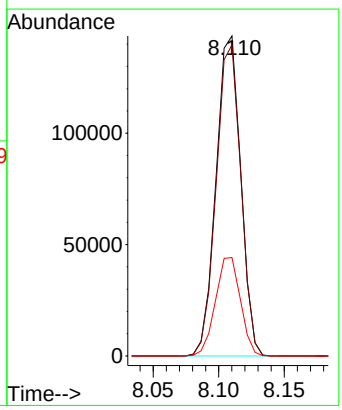


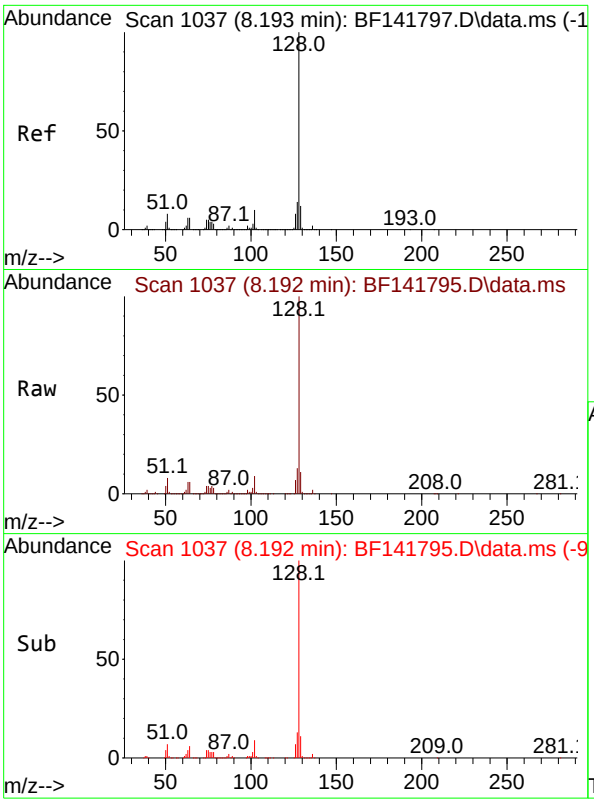


#30
1,2,4-Trichlorobenzene
Concen: 10.271 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

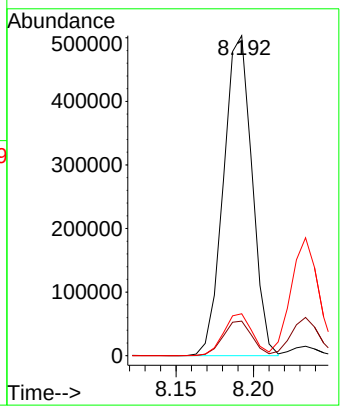




#31
Naphthalene
Concen: 10.668 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:128 Resp: 64362

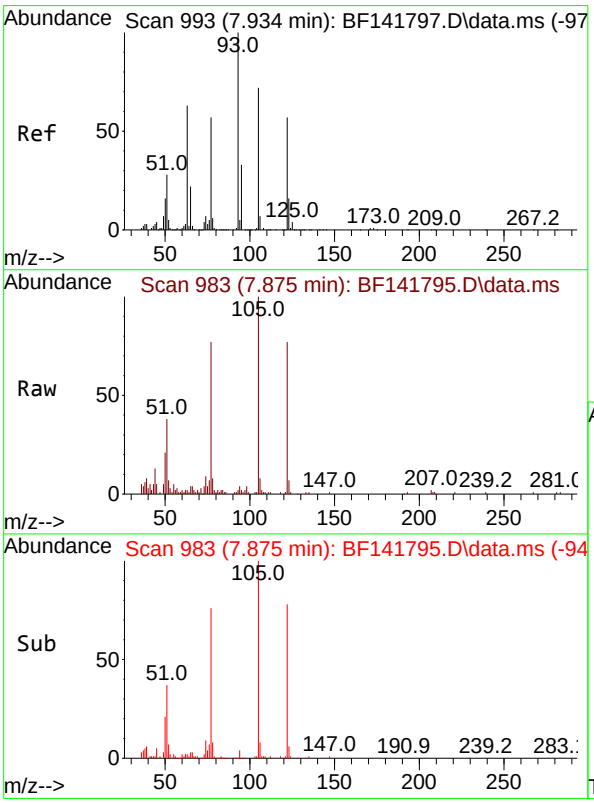
Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.2	13.8
127	13.1	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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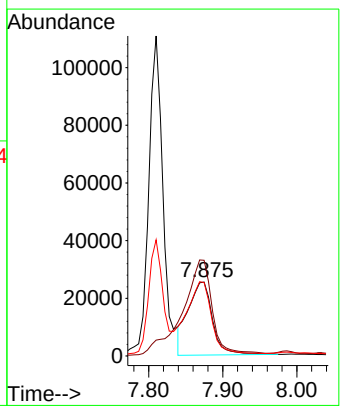
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

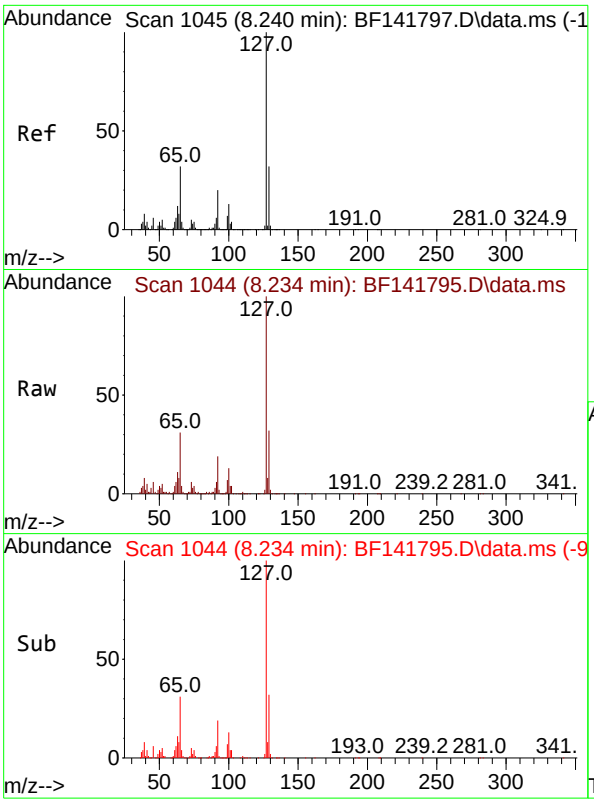


#32
Benzoic acid
Concen: 11.729 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.059 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

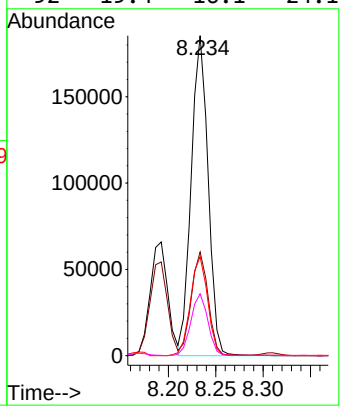




#33
4-Chloroaniline
Concen: 10.413 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:127 Resp: 23034

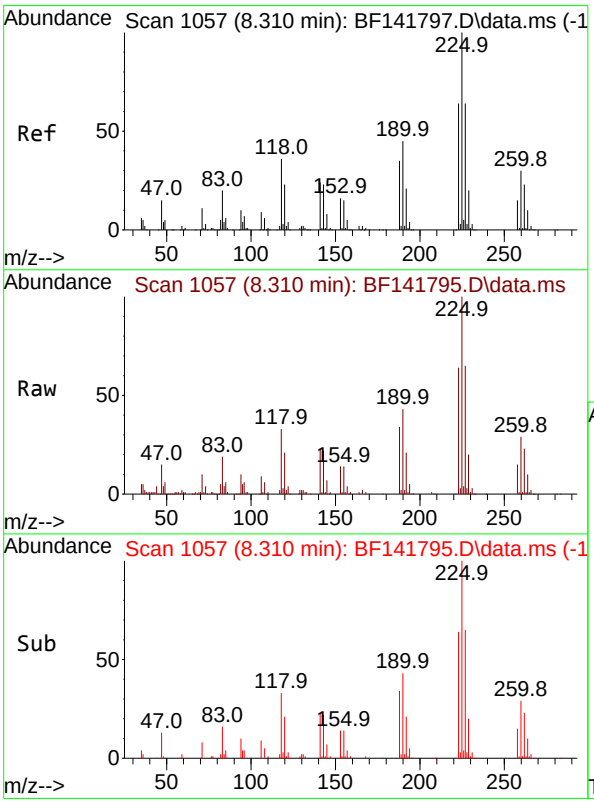
Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.1	39.1
65	30.9	25.7	38.5
92	19.4	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

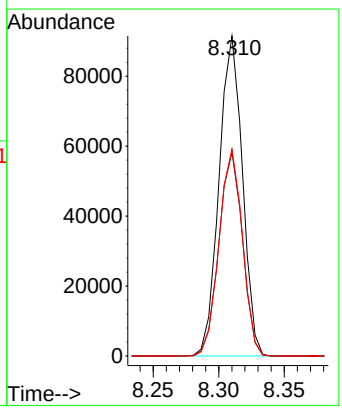
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

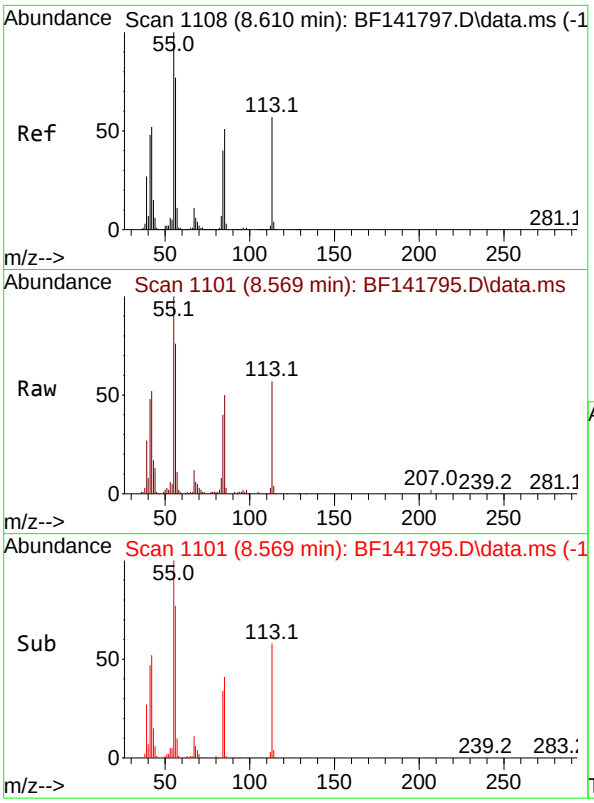


#34
Hexachlorobutadiene
Concen: 9.931 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

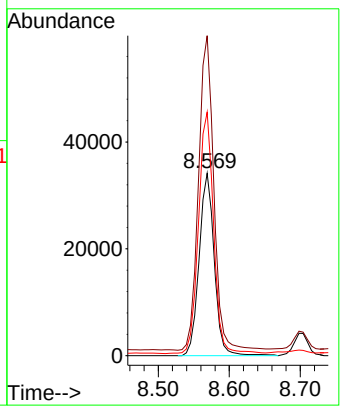




#35
Caprolactam
Concen: 9.855 ng
RT: 8.569 min Scan# 1
Delta R.T. -0.041 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:113 Resp: 5073

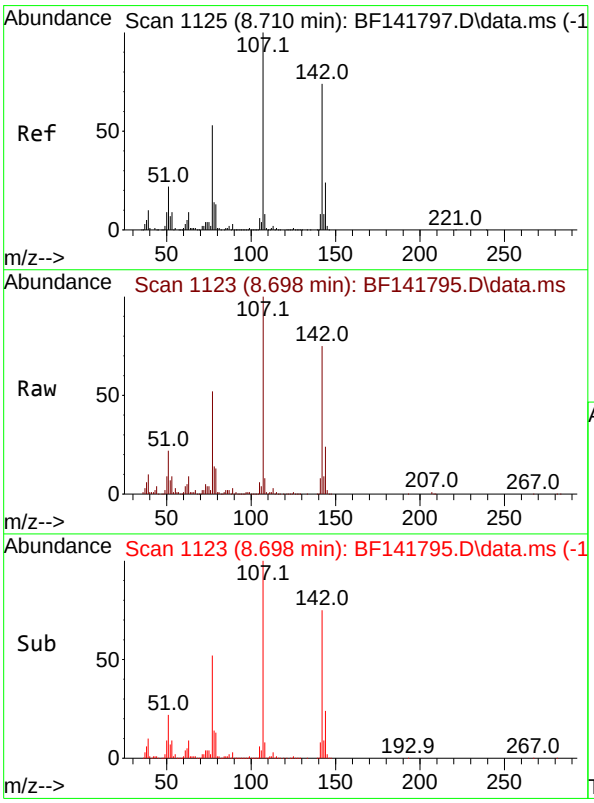
Ion	Ratio	Lower	Upper
113	100		
55	175.4	155.6	195.6
56	133.5	114.6	154.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

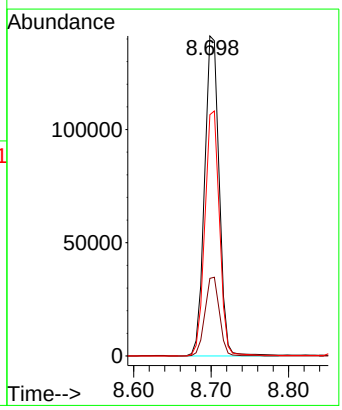
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

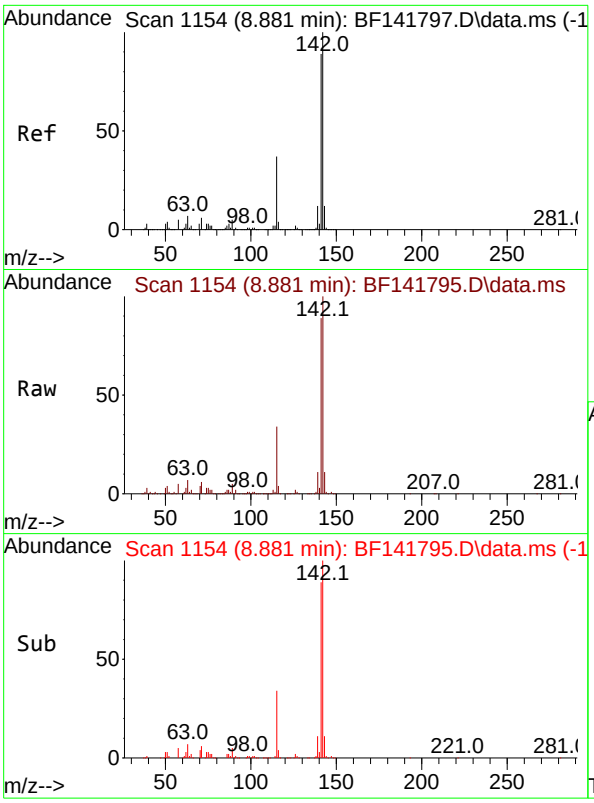


#36
4-Chloro-3-methylphenol
Concen: 9.987 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

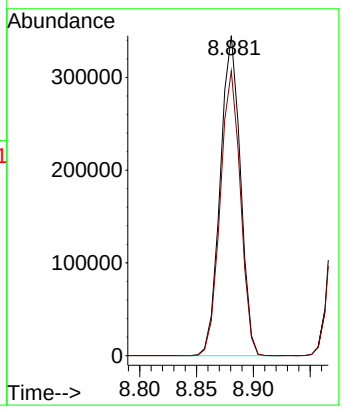




#37
2-Methylnaphthalene
Concen: 10.758 ng
RT: 8.881 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:142 Resp: 42572

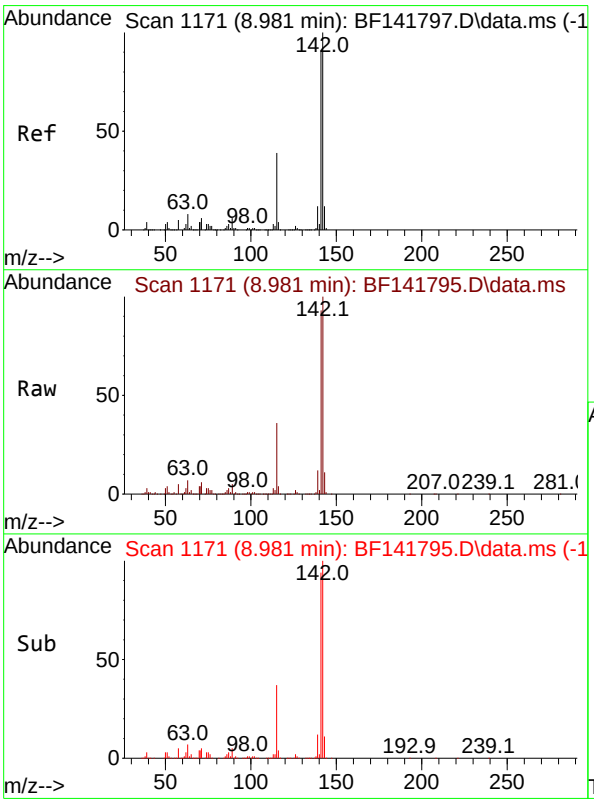
Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.1	106.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

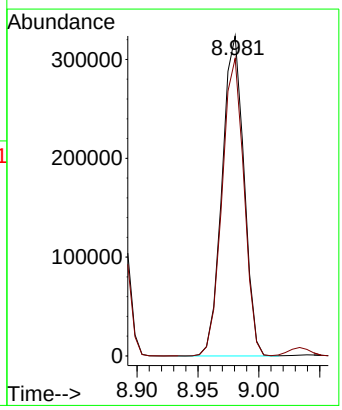
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

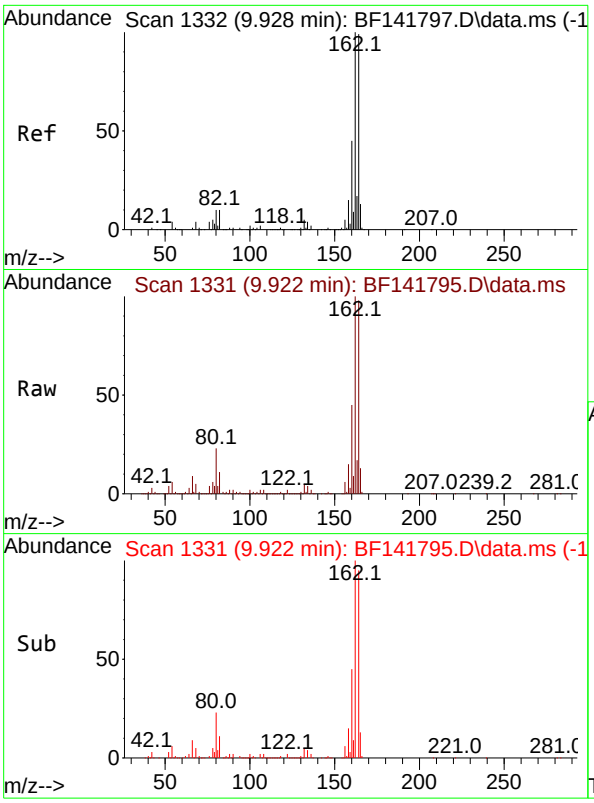


#38
1-Methylnaphthalene
Concen: 10.642 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:142 Resp: 404087

Ion	Ratio	Lower	Upper
142	100		
141	93.0	73.1	109.7

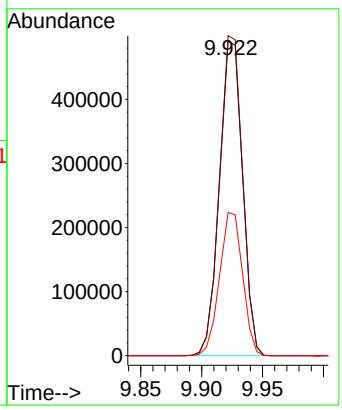




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:164 Resp: 64790

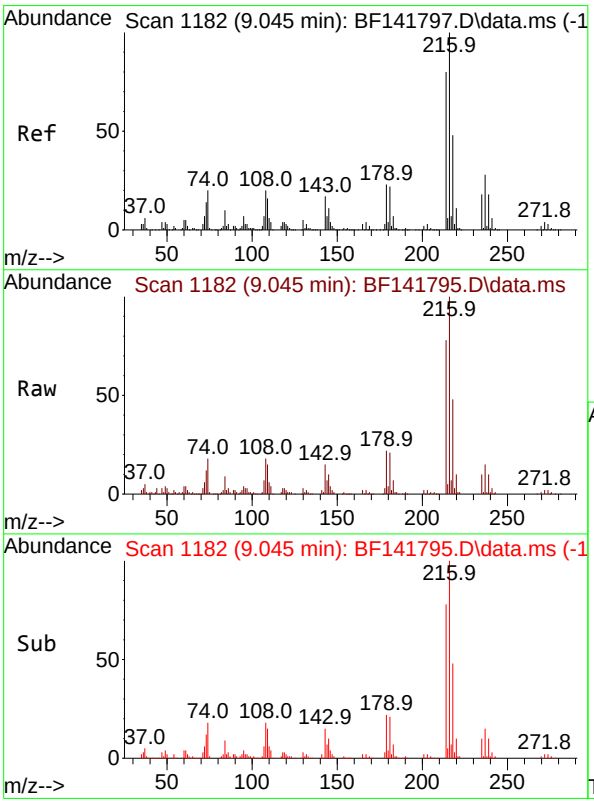
Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.6	120.8
160	45.5	36.3	54.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

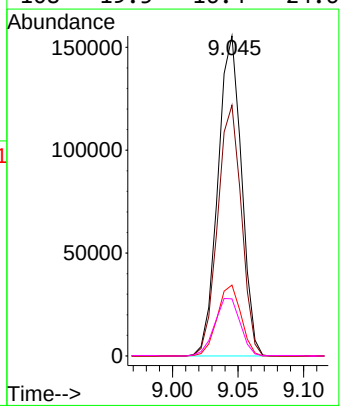
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

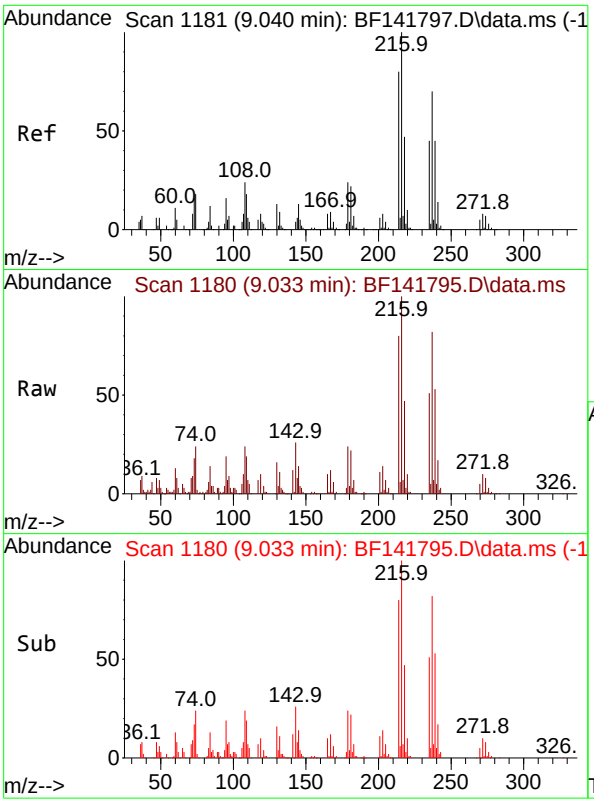


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.386 ng
RT: 9.045 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

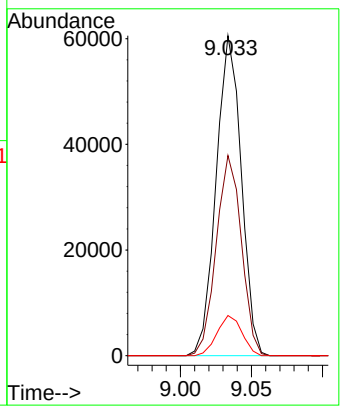




#41
Hexachlorocyclopentadiene
Concen: 9.533 ng
RT: 9.033 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:237 Resp: 7444

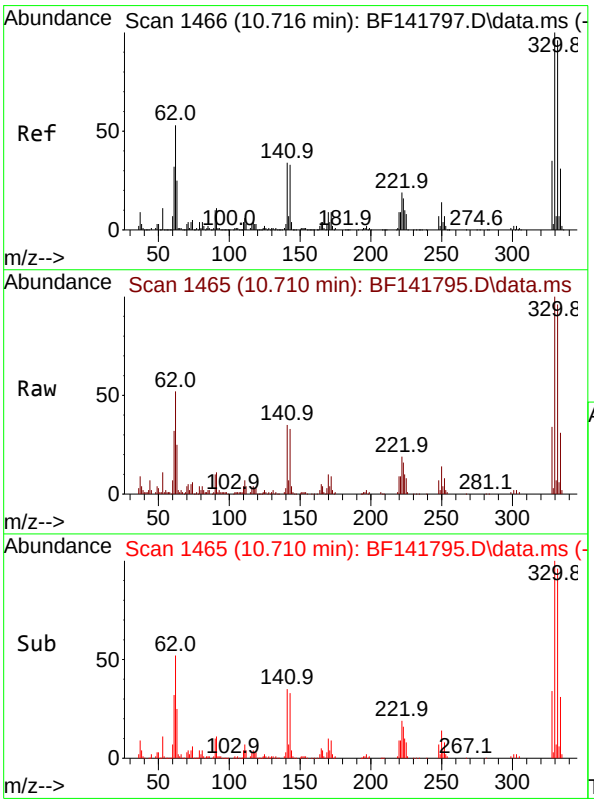
Ion	Ratio	Lower	Upper
237	100		
235	62.6	43.3	83.3
272	12.5	0.0	31.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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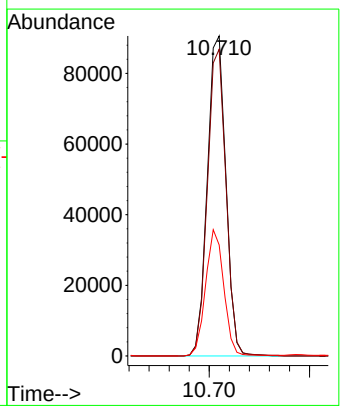
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

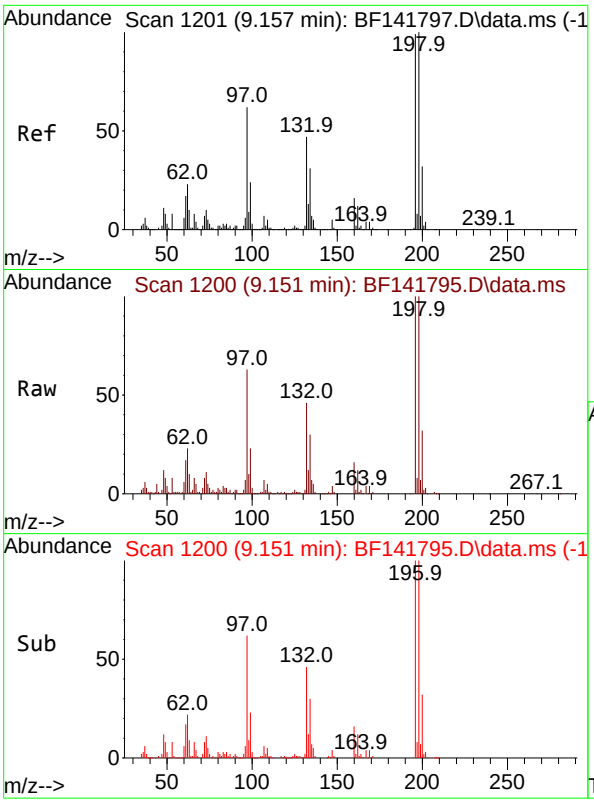


#42
2,4,6-Tribromophenol
Concen: 19.078 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

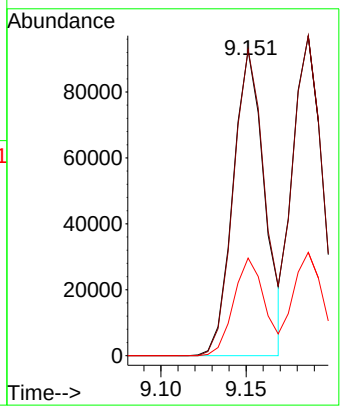
Tgt Ion:196 Resp: 11923

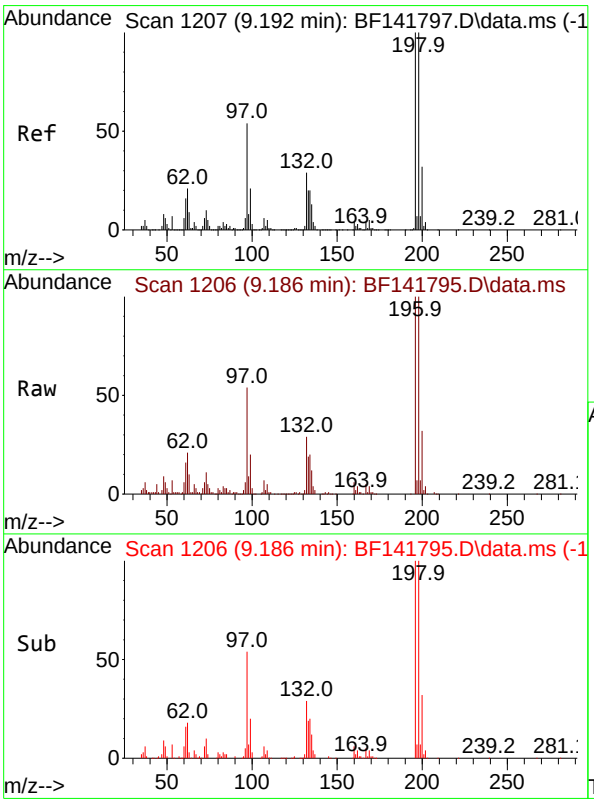
Ion	Ratio	Lower	Upper
196	100		
198	100.4	80.4	120.6
200	32.0	25.7	38.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

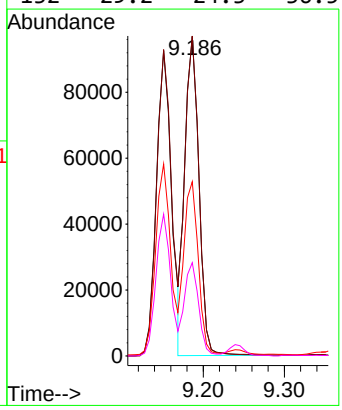


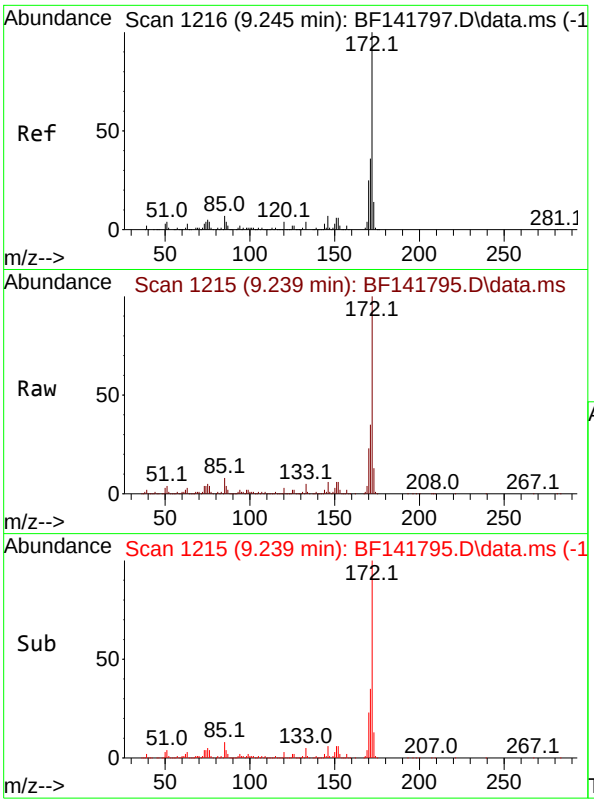


#44
2,4,5-Trichlorophenol
Concen: 9.860 ng
RT: 9.186 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

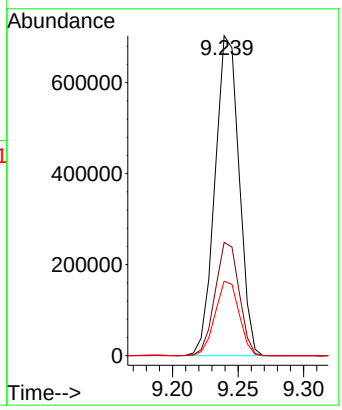




#45
2-Fluorobiphenyl
Concen: 22.244 ng
RT: 9.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:172 Resp: 89879

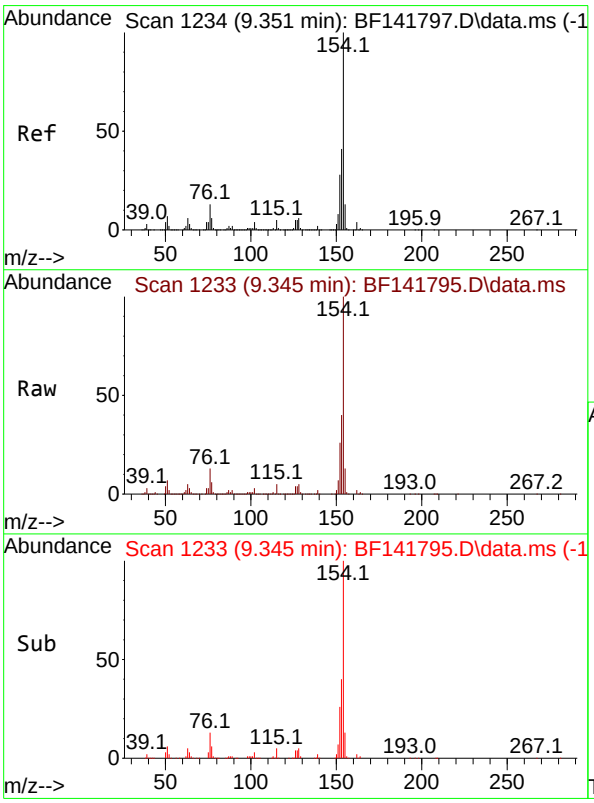
Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.2	43.8
170	23.3	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

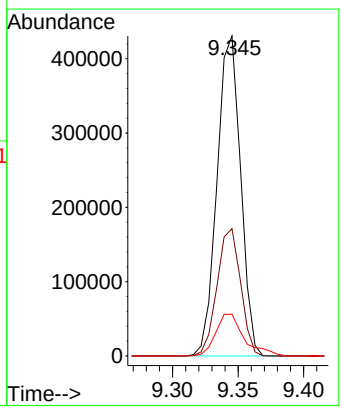
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

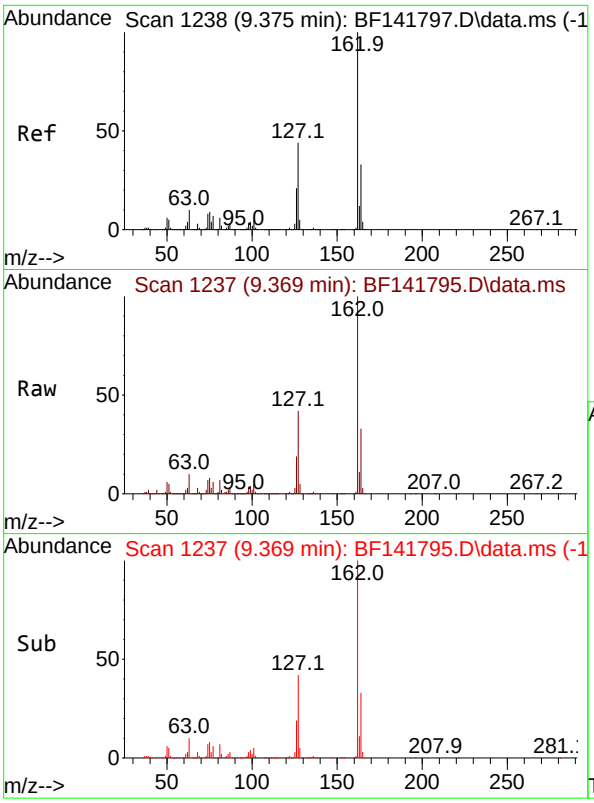


#46
1,1'-Biphenyl
Concen: 10.896 ng
RT: 9.345 min Scan# 1233
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

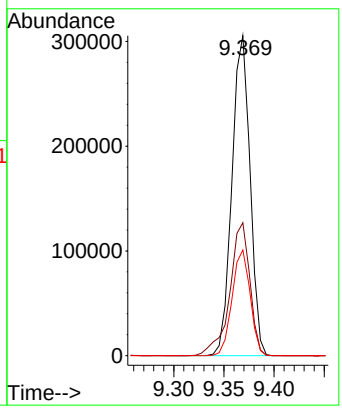




#47
2-Chloronaphthalene
Concen: 10.535 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:162 Resp: 38344

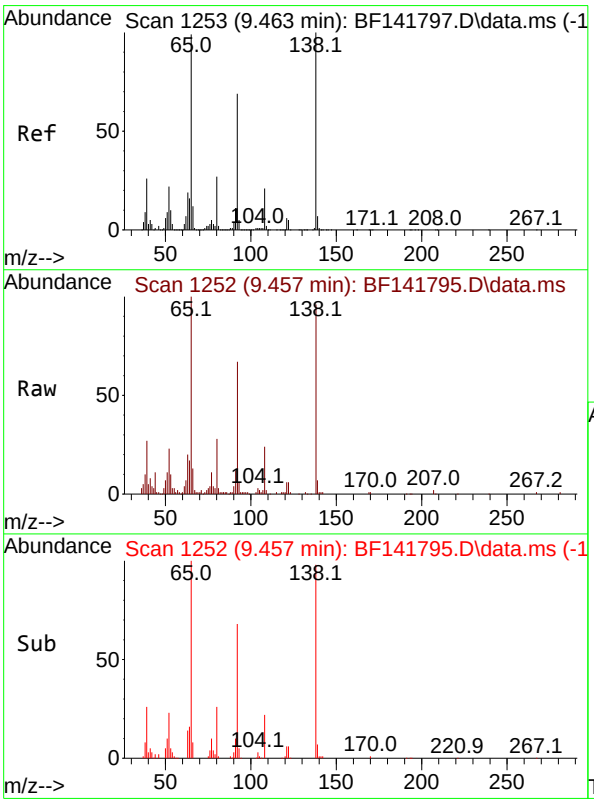
Ion	Ratio	Lower	Upper
162	100		
127	41.5	35.0	52.6
164	33.1	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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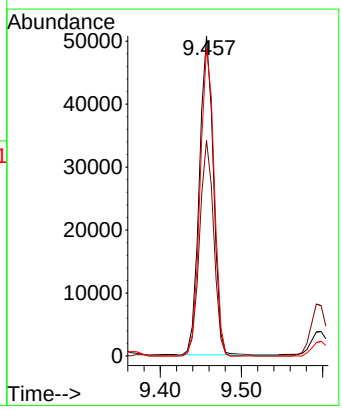
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

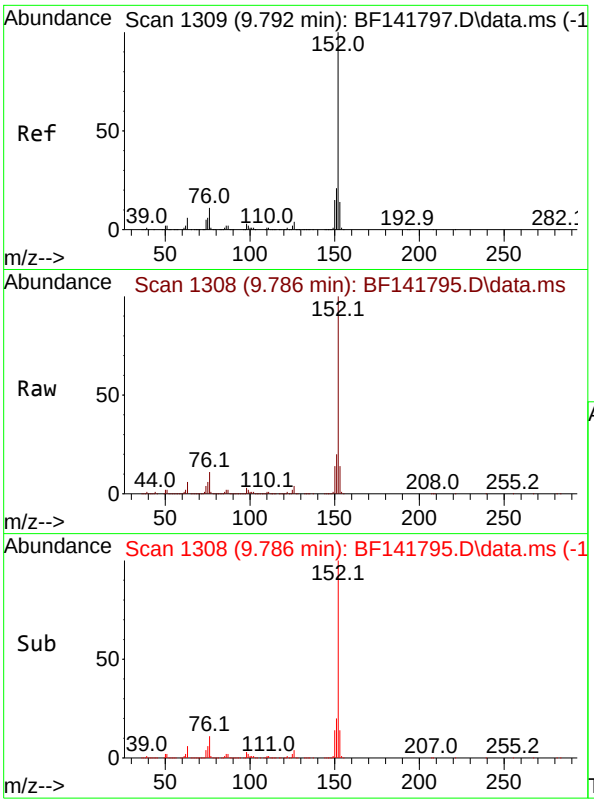


#48
2-Nitroaniline
Concen: 9.877 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

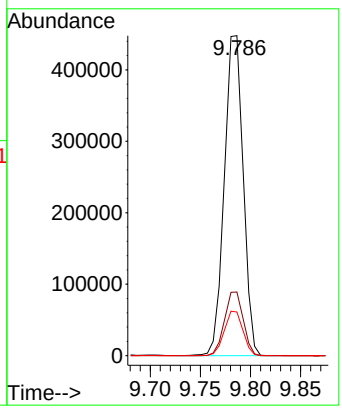




#49
Acenaphthylene
Concen: 10.739 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:152 Resp: 58606

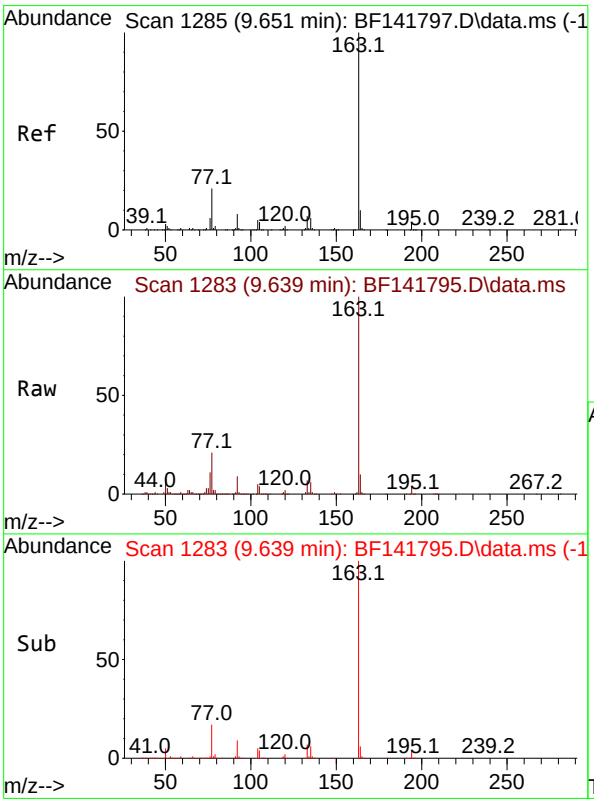
Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.6	24.8
153	13.7	11.2	16.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

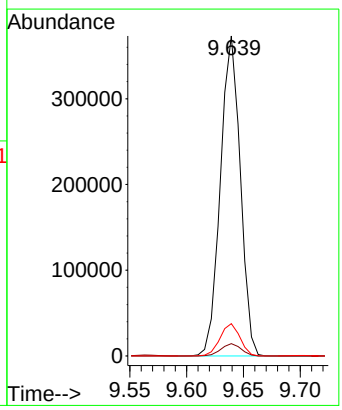
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

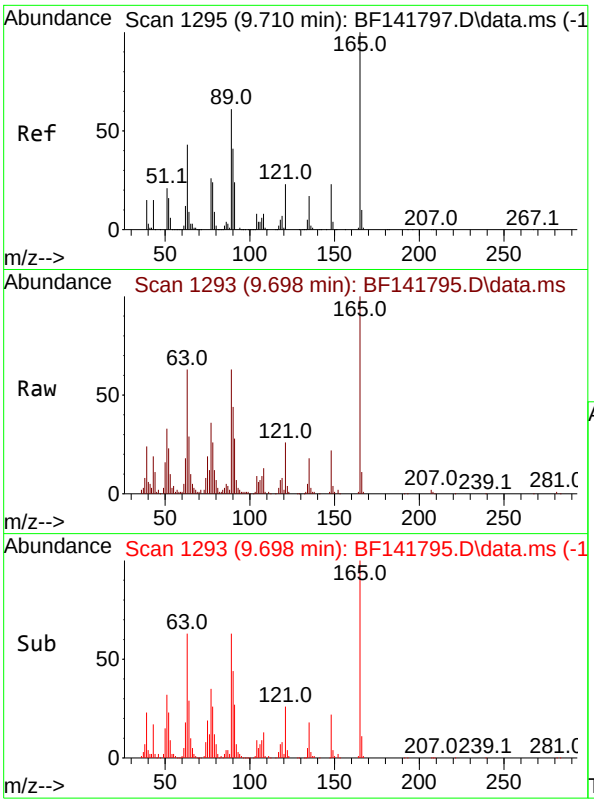


#50
Dimethylphthalate
Concen: 10.491 ng
RT: 9.639 min Scan# 1283
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

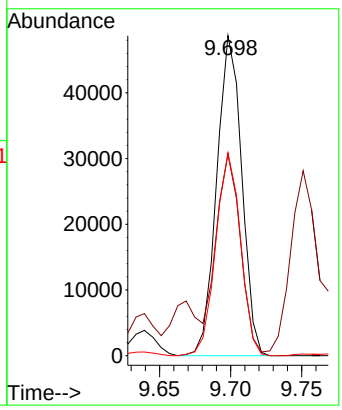
Tgt Ion:165 Resp: 5961

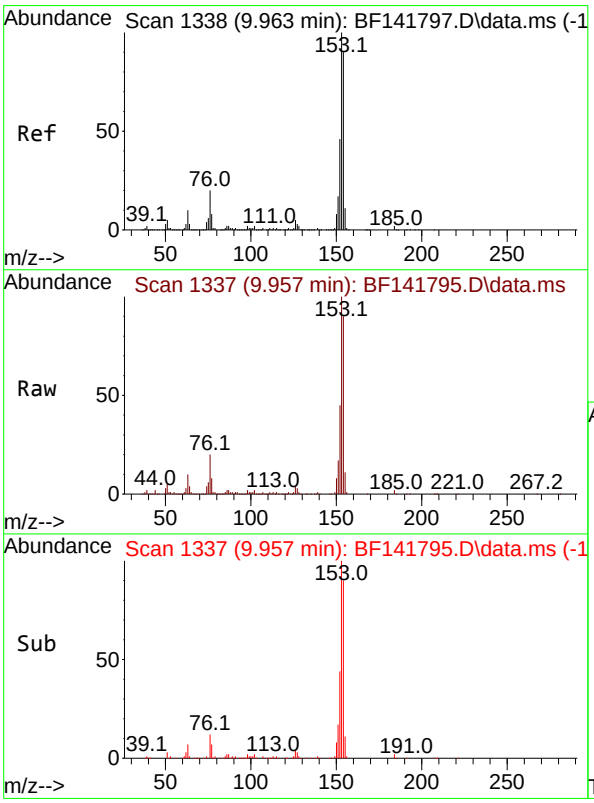
Ion	Ratio	Lower	Upper
165	100		
63	62.9	49.5	74.3
89	63.4	49.0	73.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

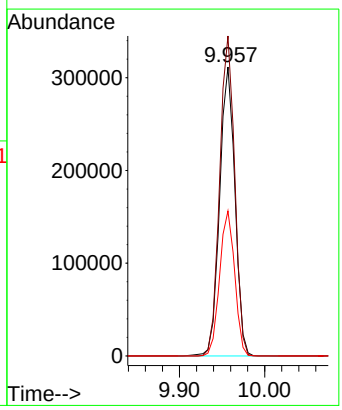


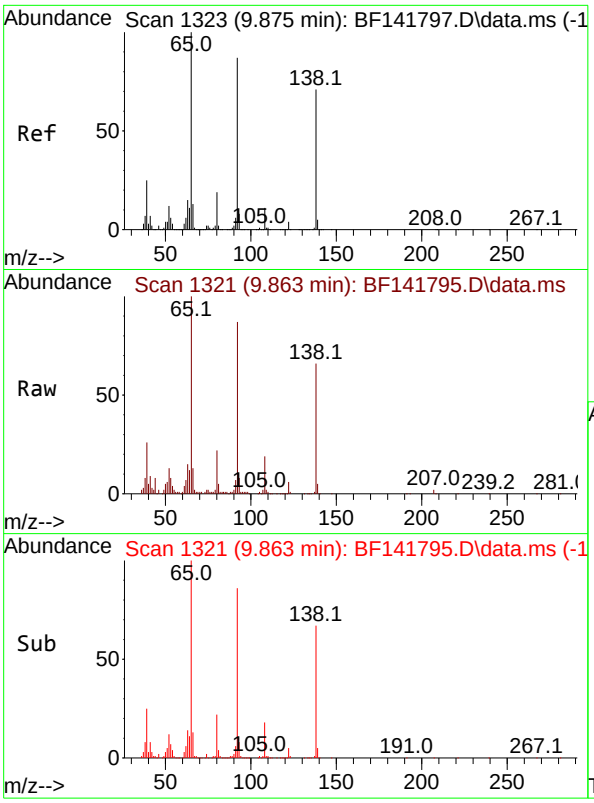


#52
Acenaphthene
Concen: 10.568 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

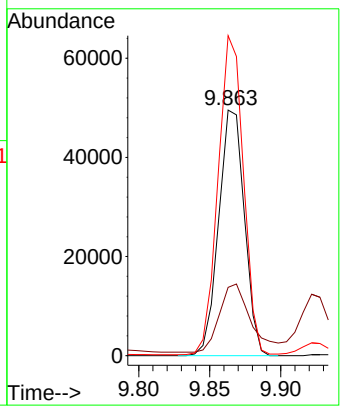
Tgt Ion:138 Resp: 6256

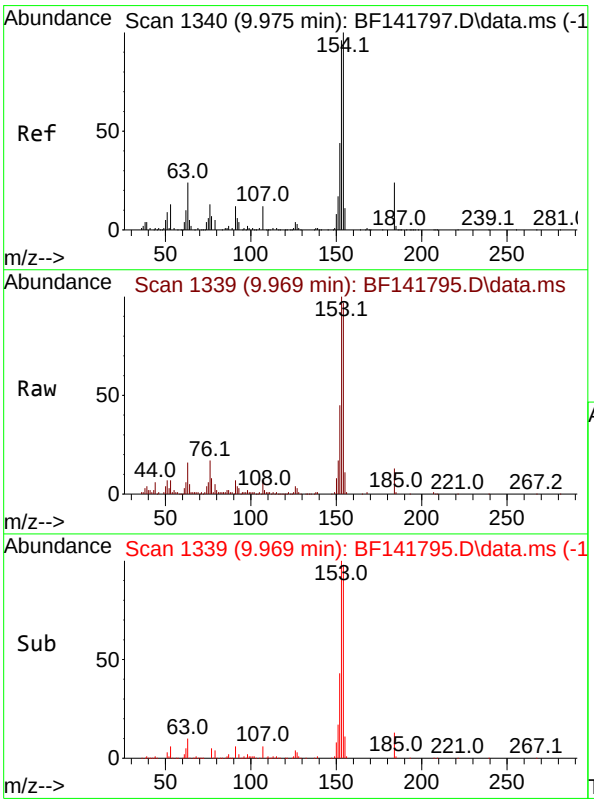
Ion	Ratio	Lower	Upper
138	100		
108	27.8	12.7	19.1#
92	130.3	97.9	146.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

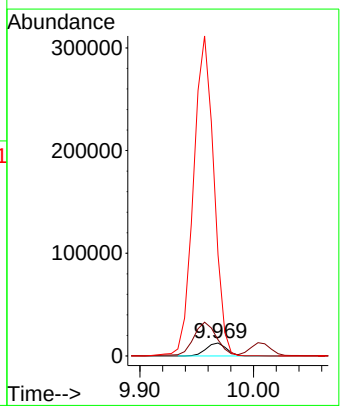


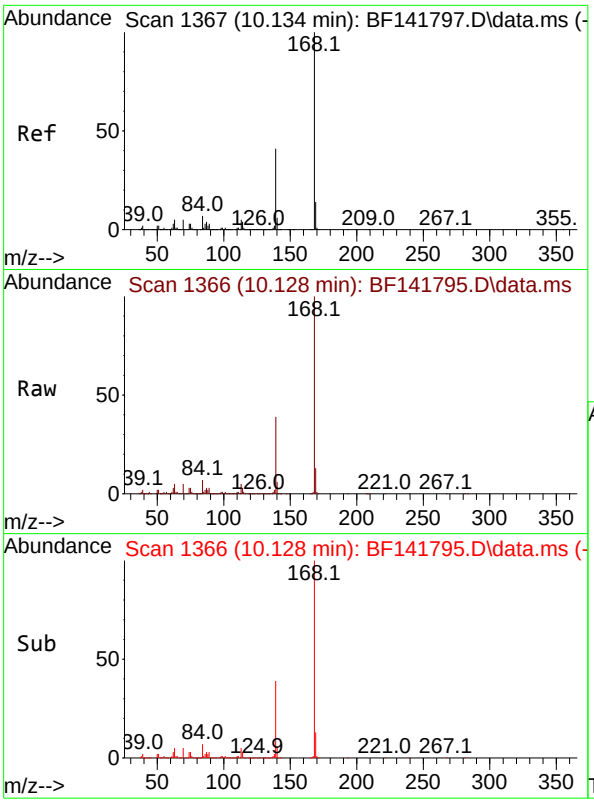


#54
2,4-Dinitrophenol
Concen: 10.881 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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#

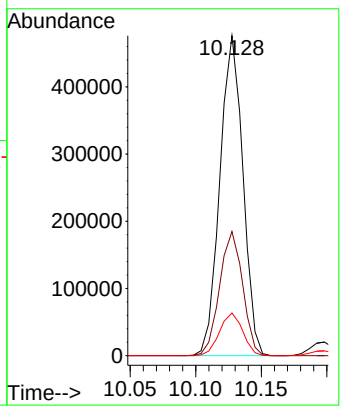




#55
Dibenzofuran
Concen: 10.843 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:168 Resp: 58112

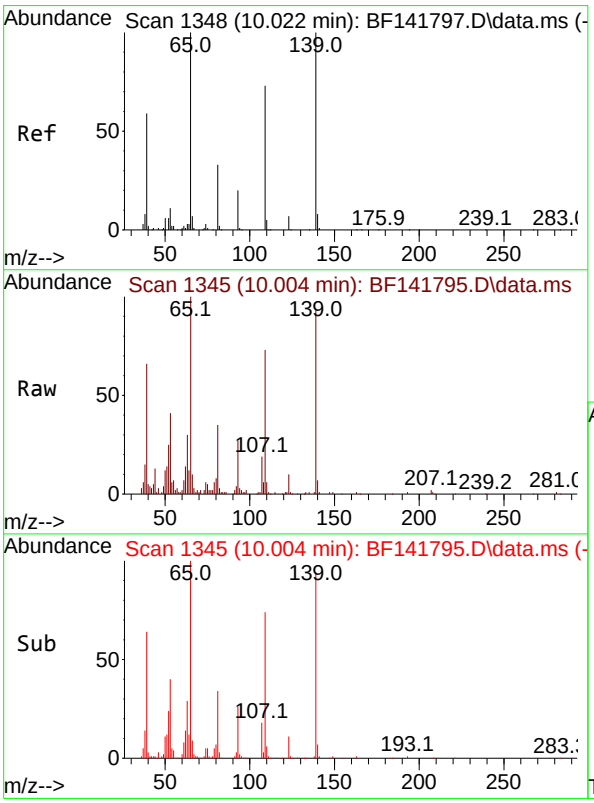
Ion	Ratio	Lower	Upper
168	100		
139	38.8	32.9	49.3
169	13.4	11.1	16.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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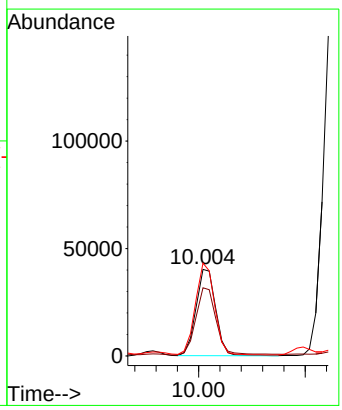
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

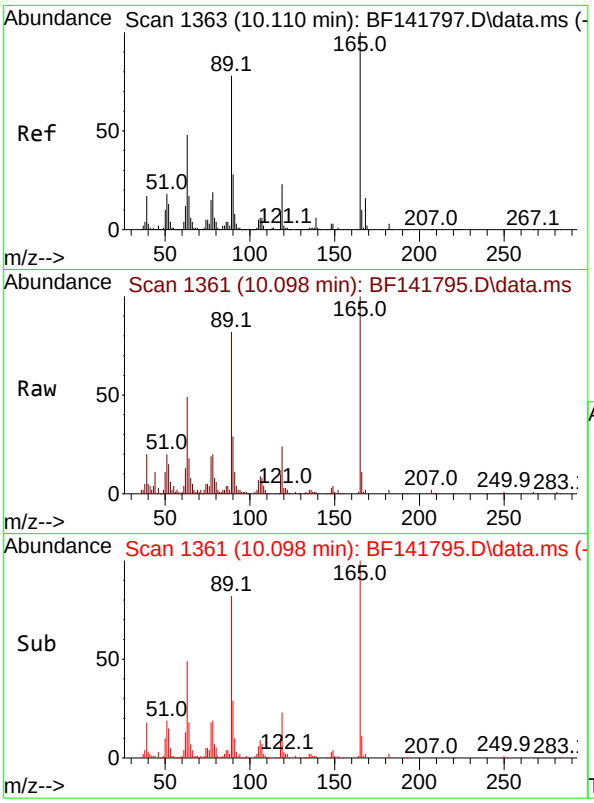


#56
4-Nitrophenol
Concen: 8.022 ng
RT: 10.004 min Scan# 1345
Delta R.T. -0.018 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

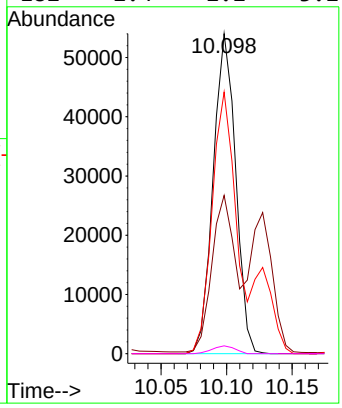




#57
2,4-Dinitrotoluene
Concen: 9.401 ng
RT: 10.098 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:165 Resp: 6429

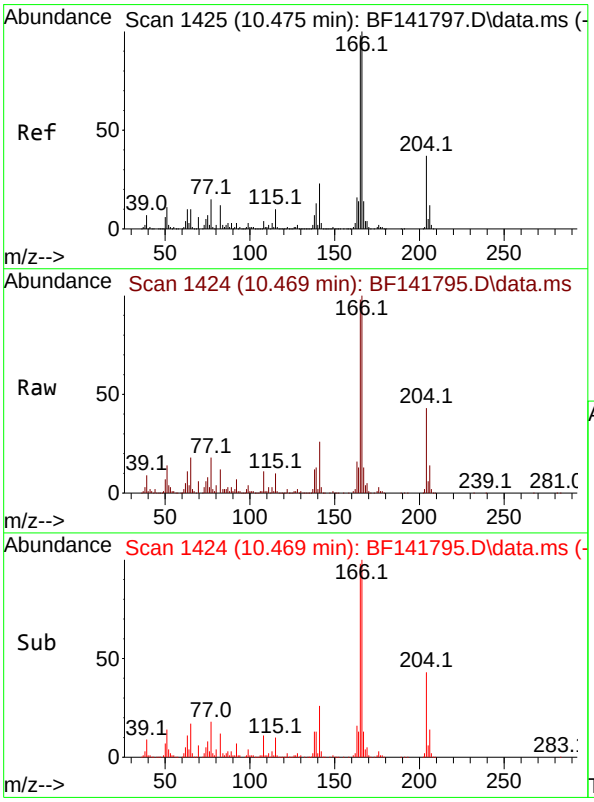
Ion	Ratio	Lower	Upper
165	100		
63	49.5	38.8	58.2
89	81.7	62.6	94.0
182	2.4	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

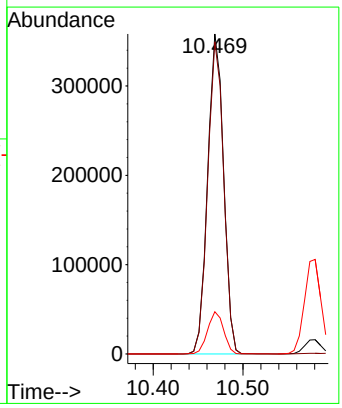
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

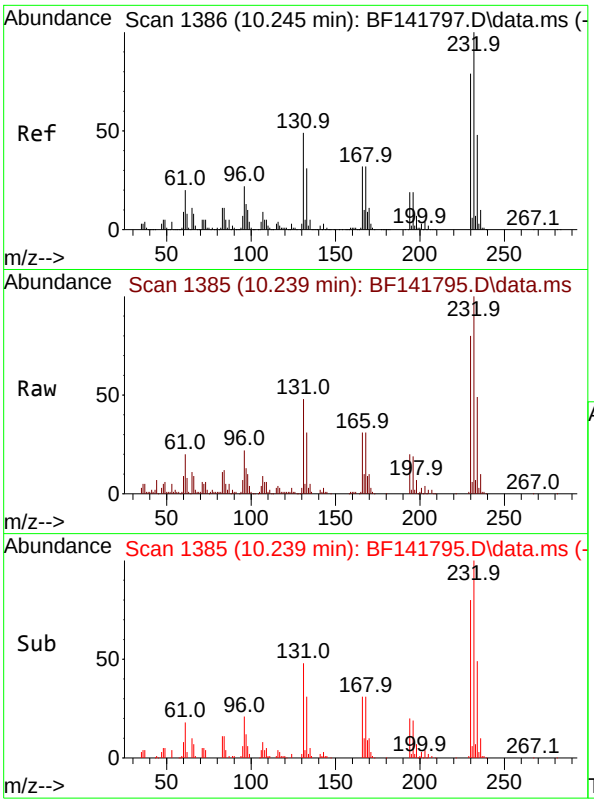


#58
Fluorene
Concen: 11.027 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

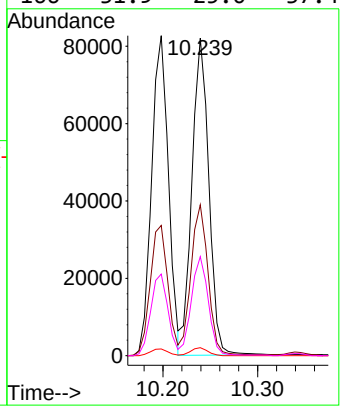




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.772 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:232 Resp: 10172

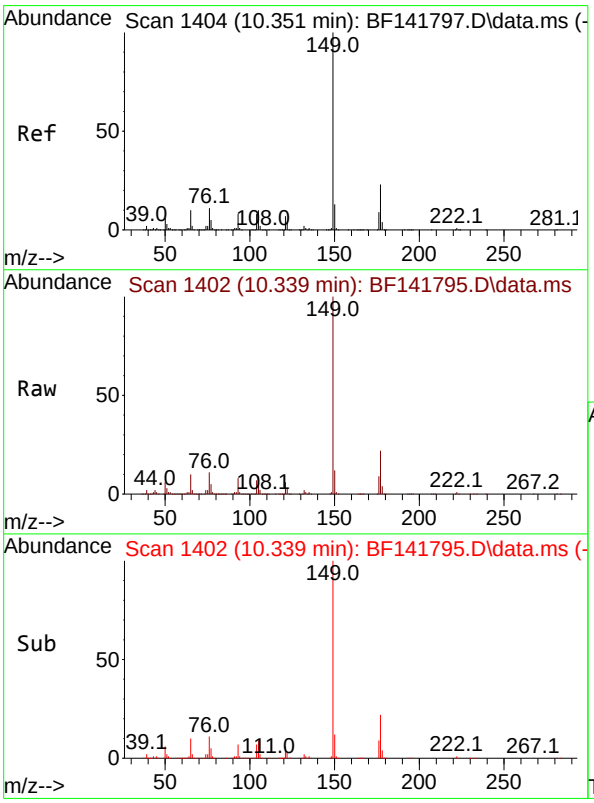
Ion	Ratio	Lower	Upper
232	100		
131	47.7	37.8	56.8
130	2.6	2.0	3.0
166	31.9	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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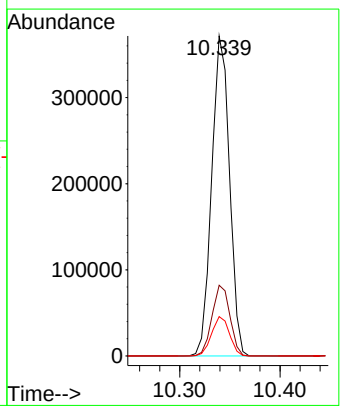
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

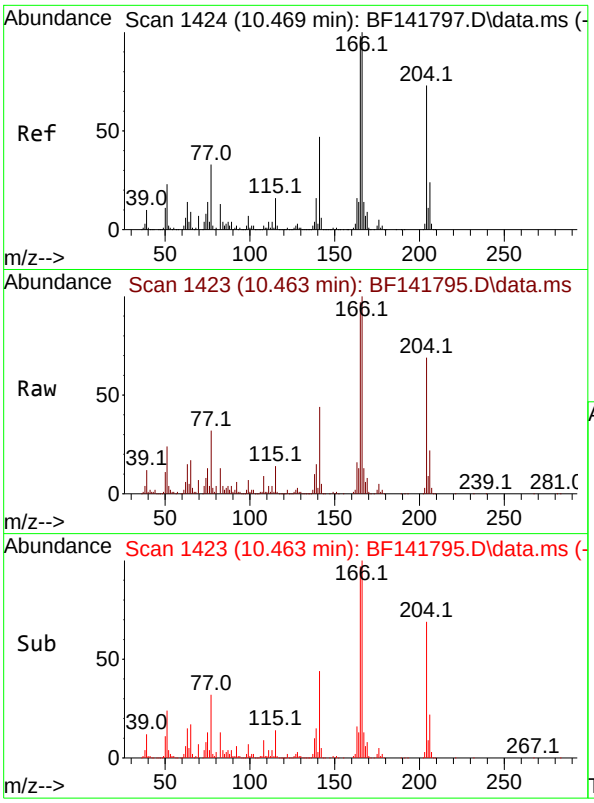


#60
Diethylphthalate
Concen: 10.520 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

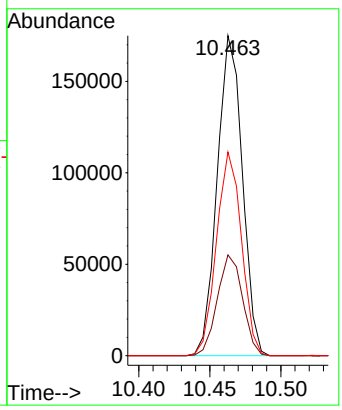
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

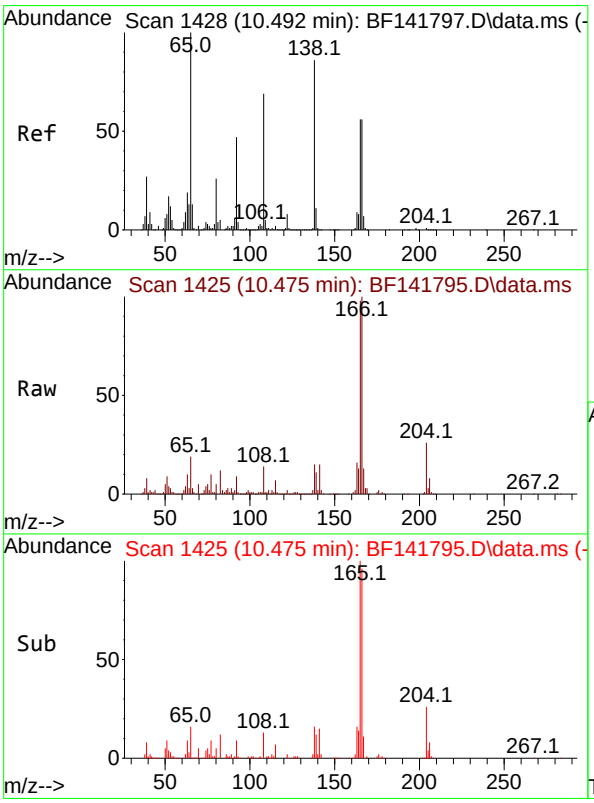
Tgt Ion:204 Resp: 21528

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

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

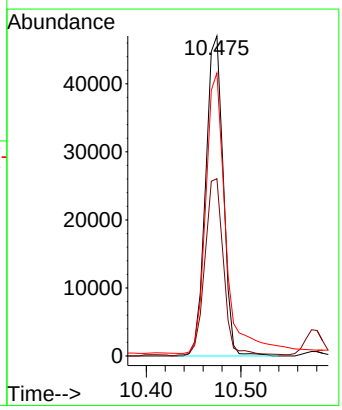


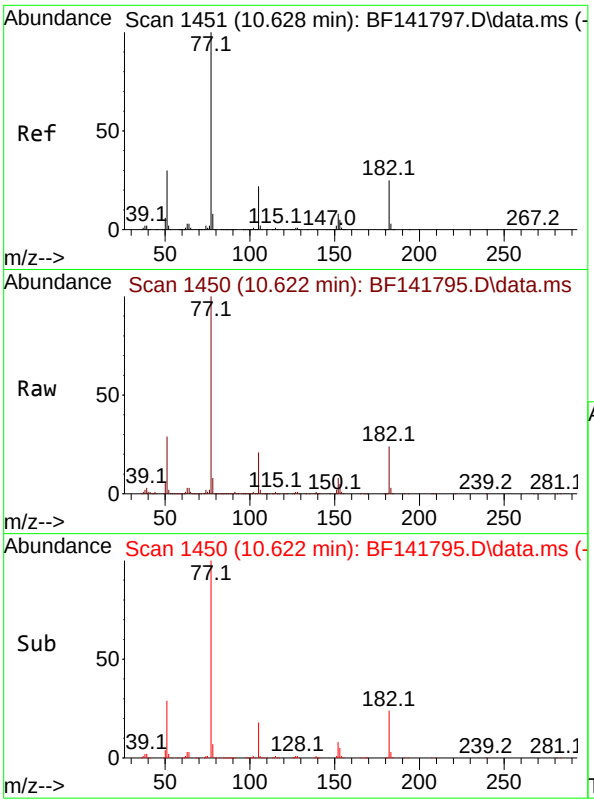


#62
4-Nitroaniline
Concen: 8.172 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.018 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

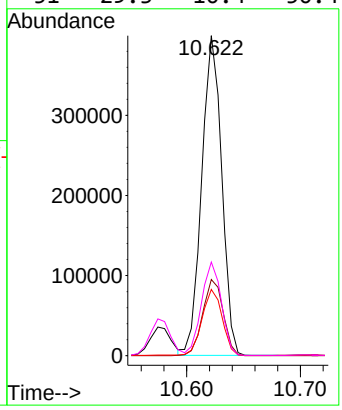




#63
Azobenzene
Concen: 10.631 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 77 Resp: 48687

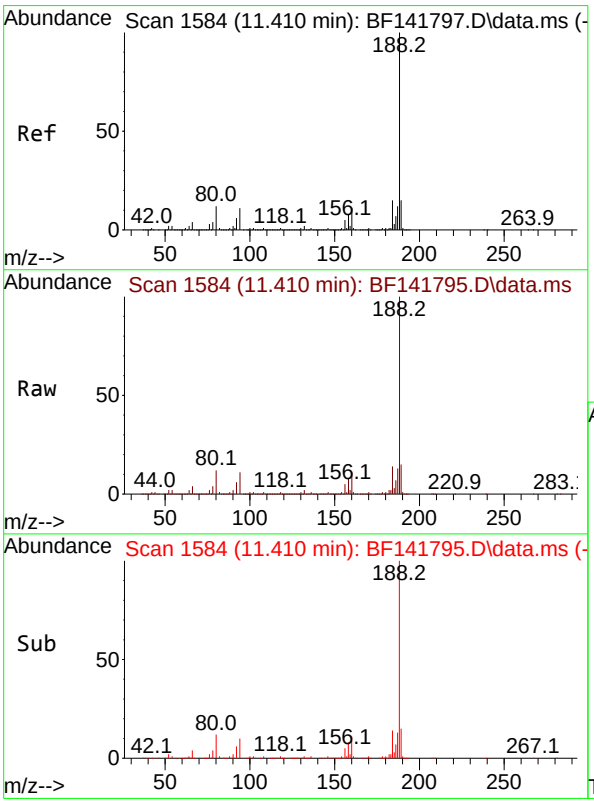
Ion	Ratio	Lower	Upper
77	100		
182	23.8	4.2	44.2
105	20.7	1.5	41.5
51	29.3	10.4	50.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

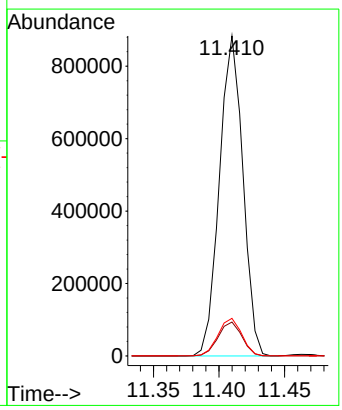
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

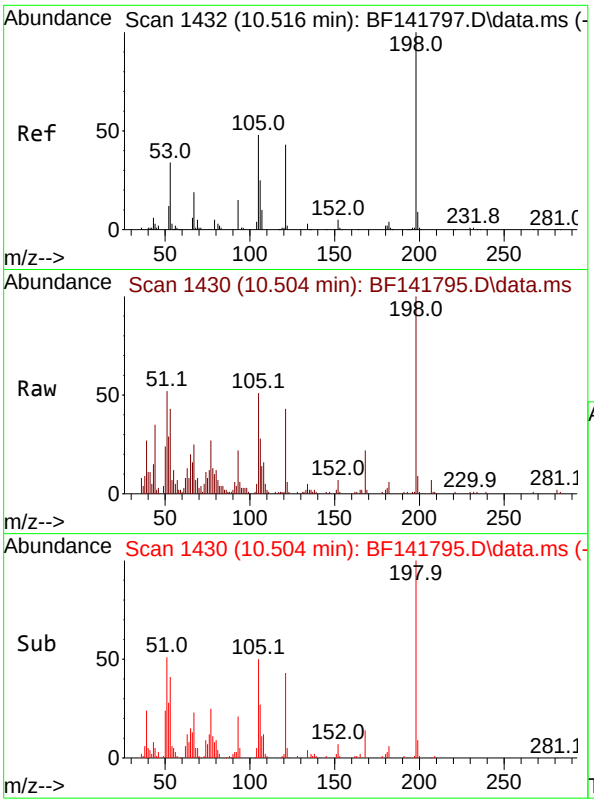


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

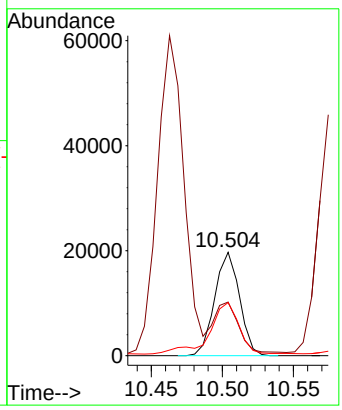




#65
4,6-Dinitro-2-methylphenol
Concen: 11.957 ng
RT: 10.504 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:198 Resp: 2386

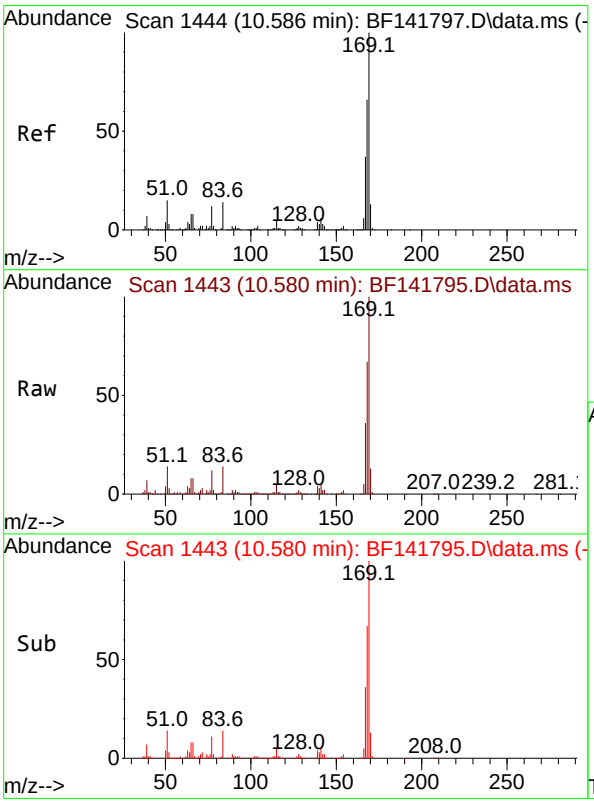
Ion	Ratio	Lower	Upper
198	100		
51	51.8	32.1	72.1
105	51.4	28.5	68.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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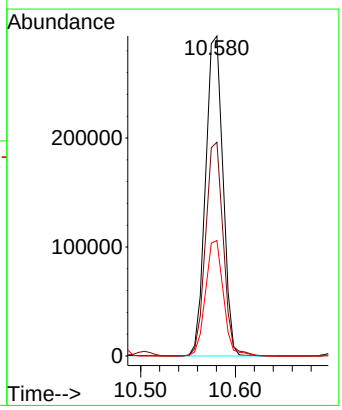
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

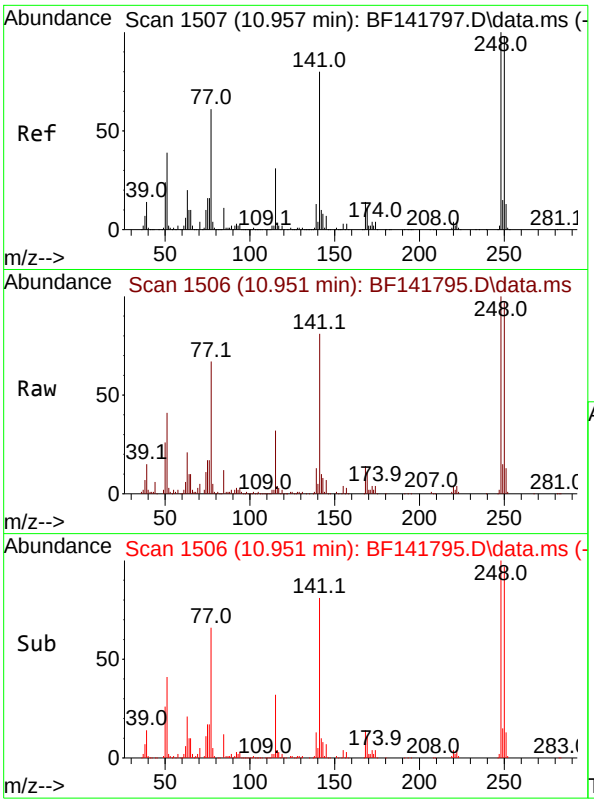


#66
n-Nitrosodiphenylamine
Concen: 10.369 ng
RT: 10.580 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

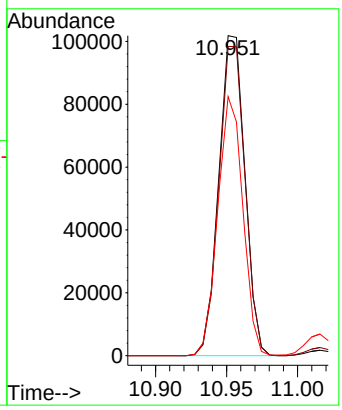
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

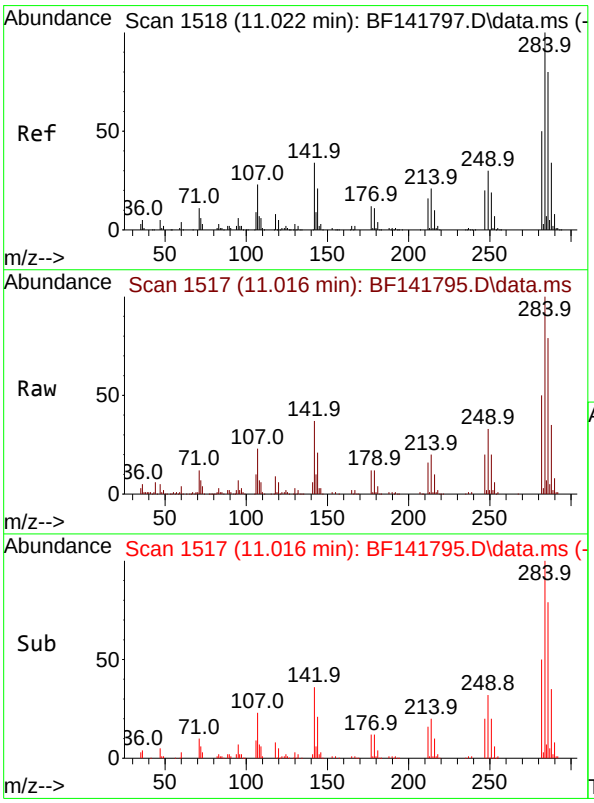
Tgt Ion:248 Resp: 13046

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

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

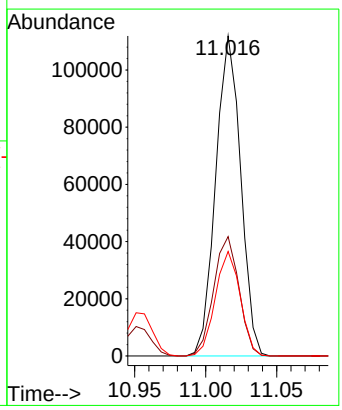


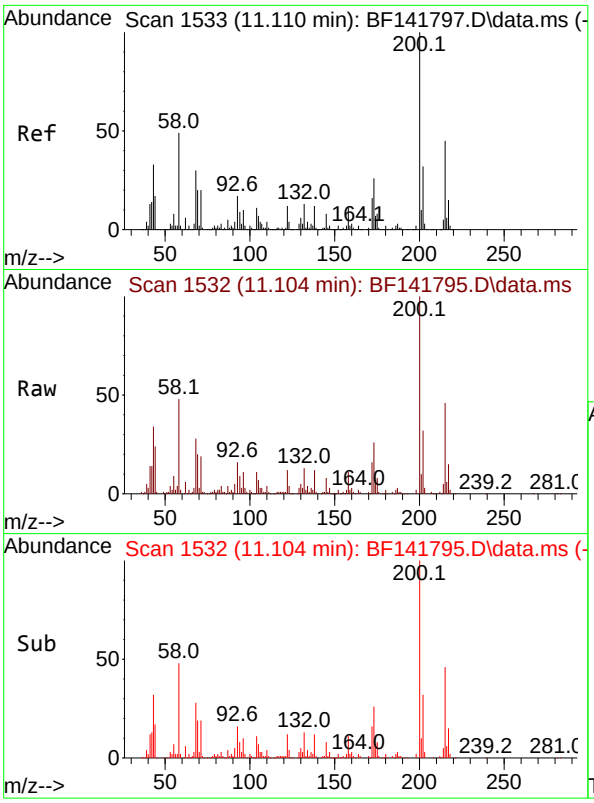


#68
Hexachlorobenzene
Concen: 10.081 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

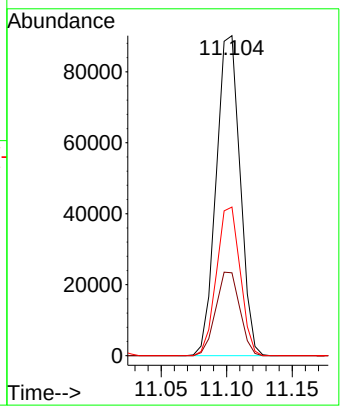




#69
Atrazine
Concen: 11.517 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:200 Resp: 11427

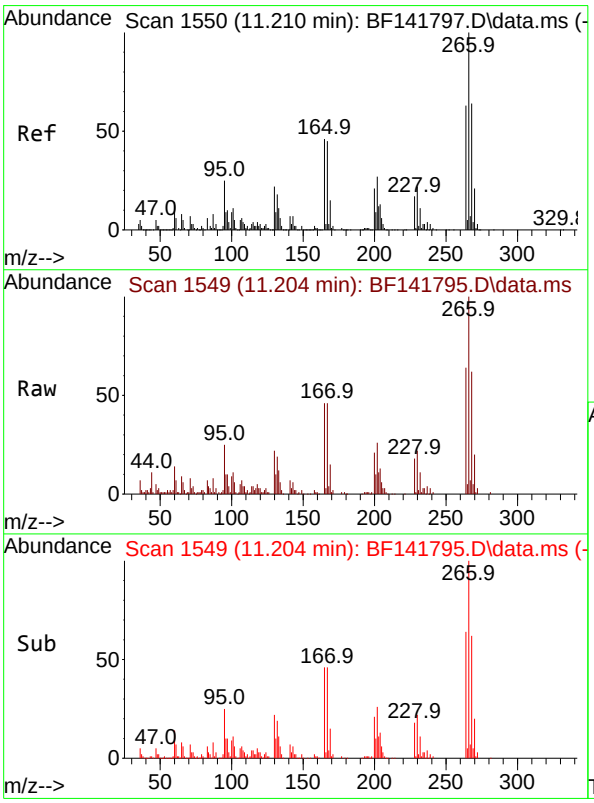
Ion	Ratio	Lower	Upper
200	100		
173	25.9	5.6	45.6
215	46.5	25.3	65.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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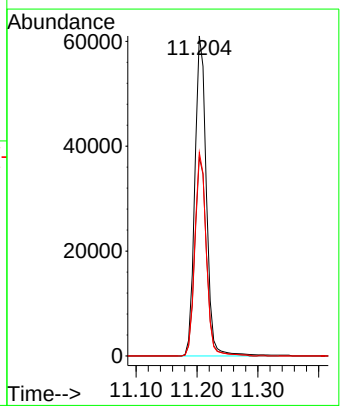
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

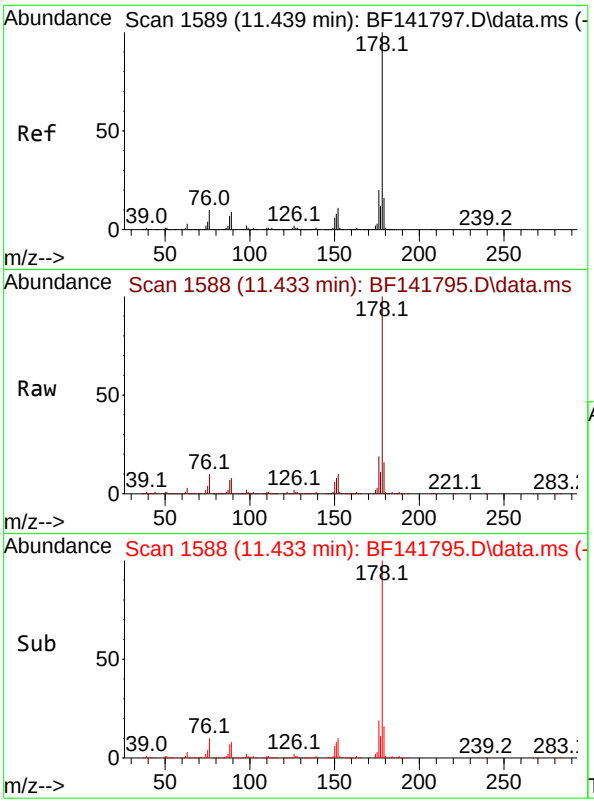


#70
Pentachlorophenol
Concen: 9.334 ng
RT: 11.204 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

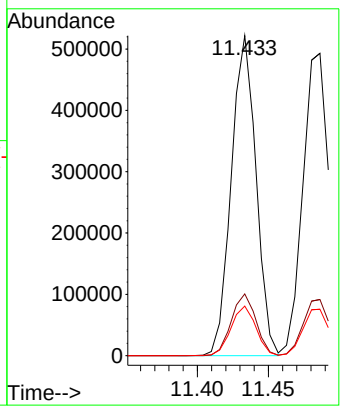




#71
Phenanthrene
Concen: 10.764 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:178 Resp: 63269

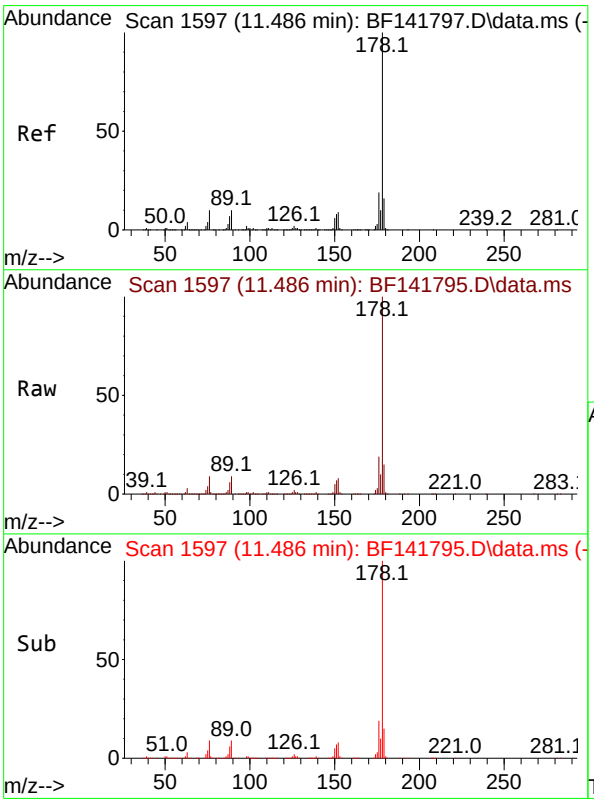
Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.0	24.0
179	15.5	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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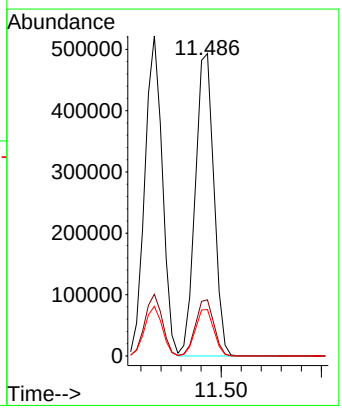
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

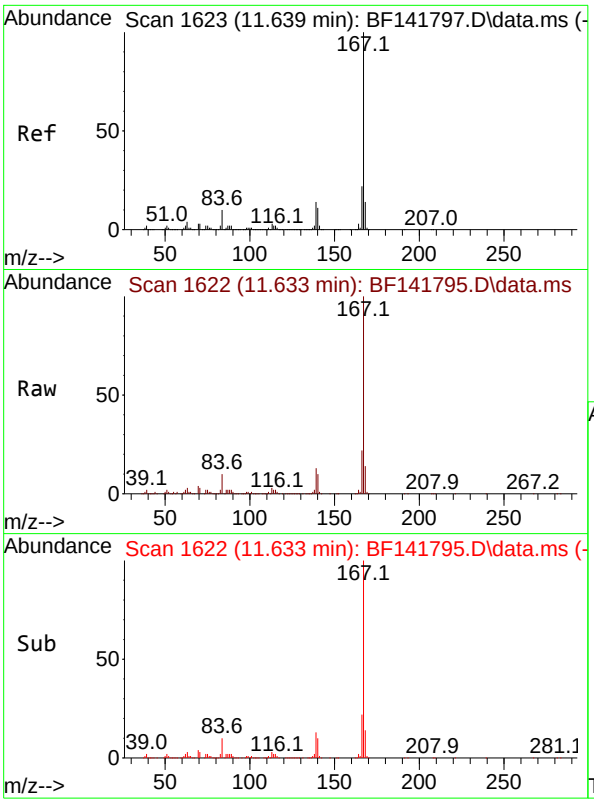


#72
Anthracene
Concen: 10.785 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

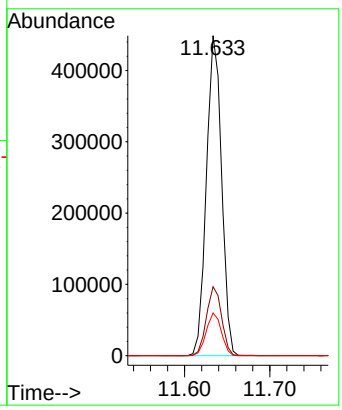




#73
Carbazole
Concen: 10.667 ng
RT: 11.633 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:167 Resp: 55490

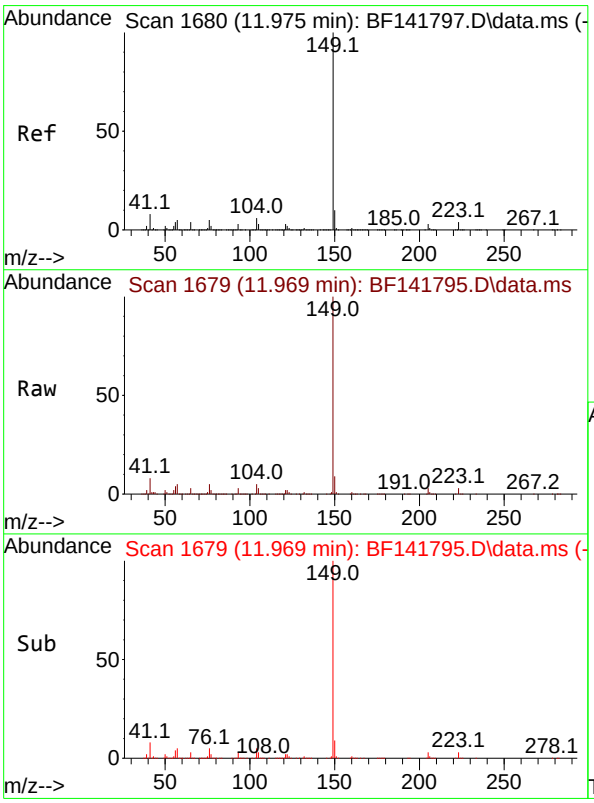
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.5	26.3
139	13.3	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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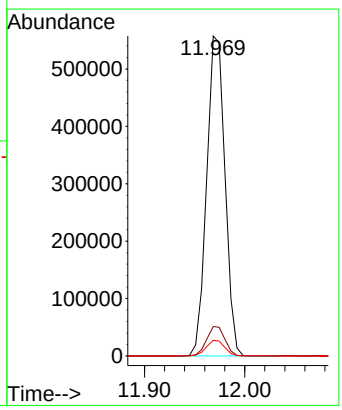
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

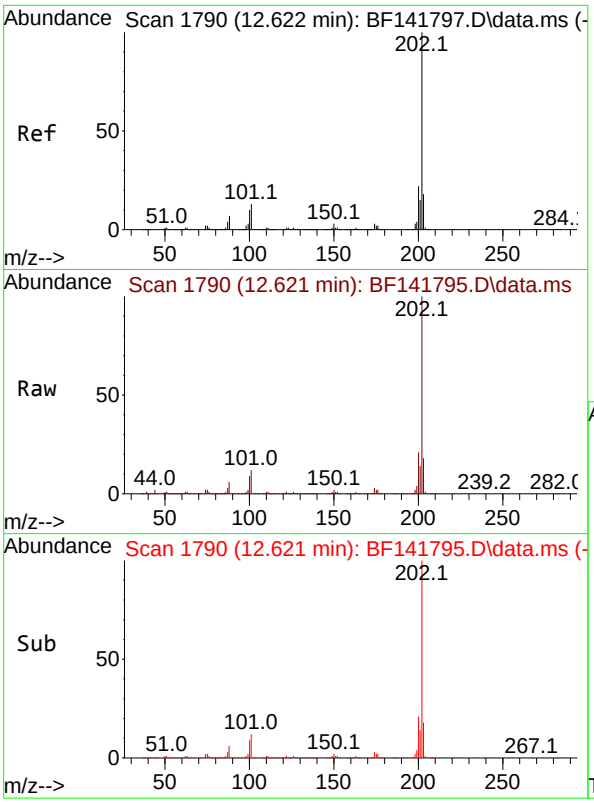


#74
Di-n-butylphthalate
Concen: 10.756 ng
RT: 11.969 min Scan# 1679
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

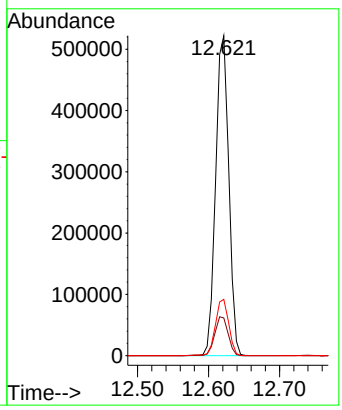




#75
Fluoranthene
Concen: 11.098 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:202 Resp: 66837

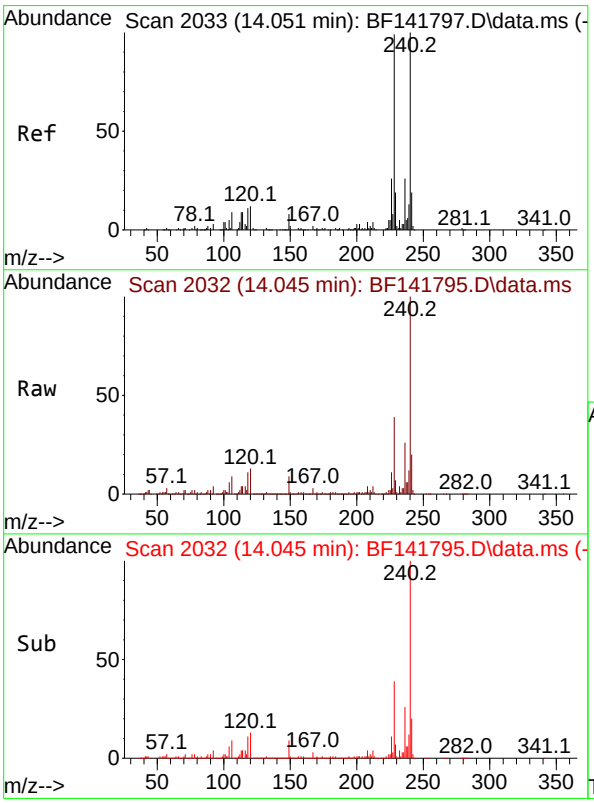
Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	32.8
203	17.6	0.0	38.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

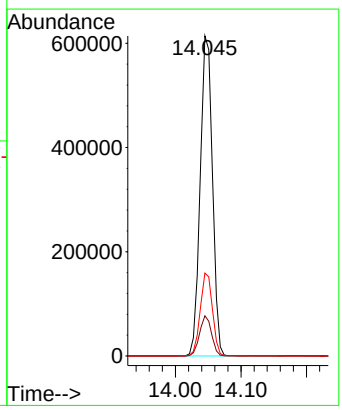
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

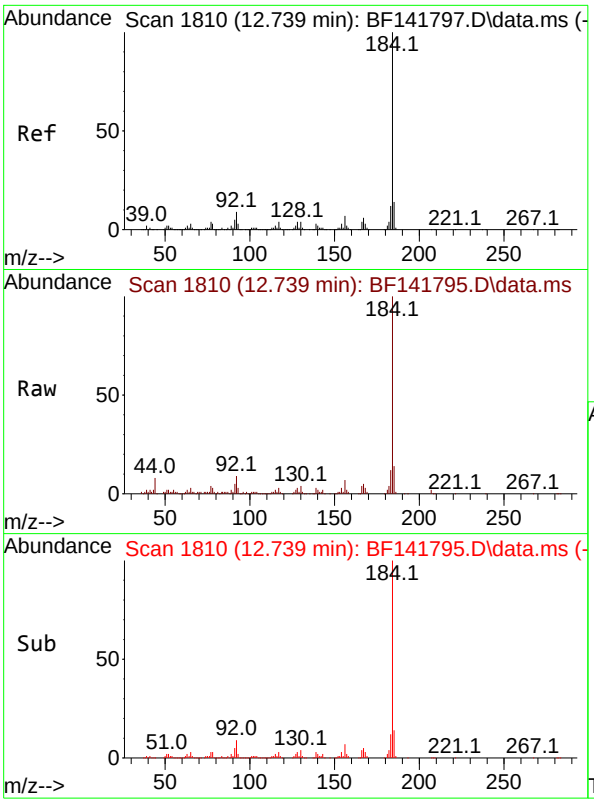


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

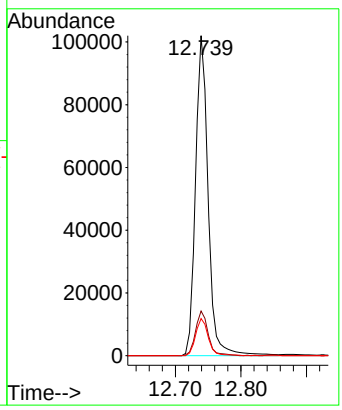




#77
Benzidine
Concen: 13.588 ng
RT: 12.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:184 Resp: 13685

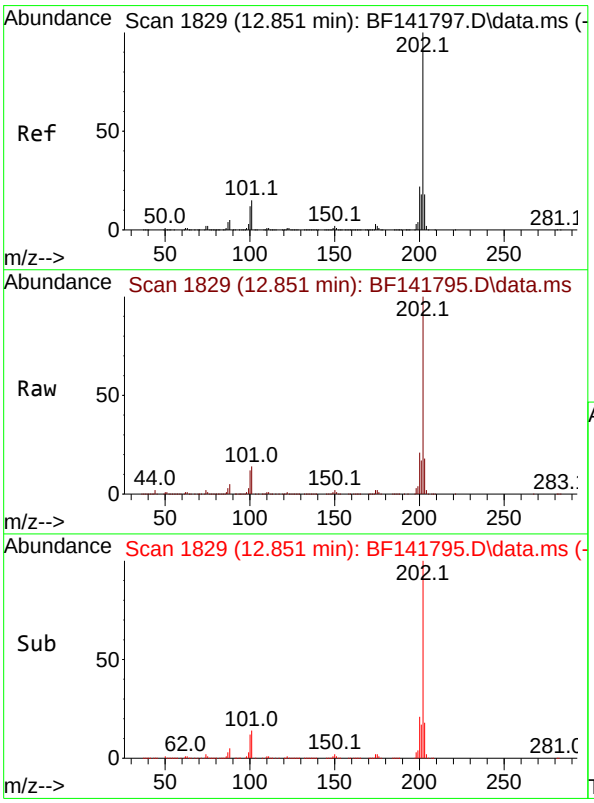
Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.6	17.4
183	11.6	9.4	14.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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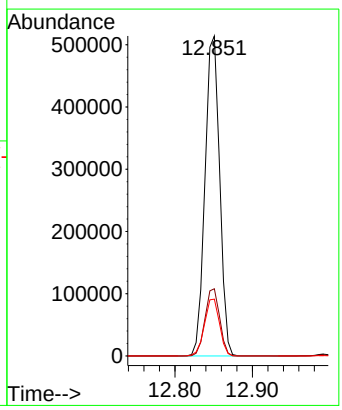
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

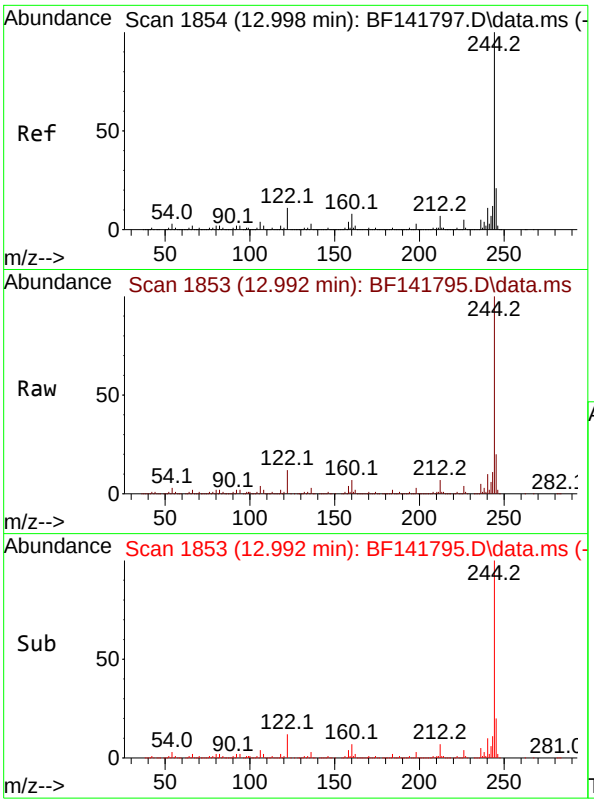


#78
Pyrene
Concen: 9.740 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

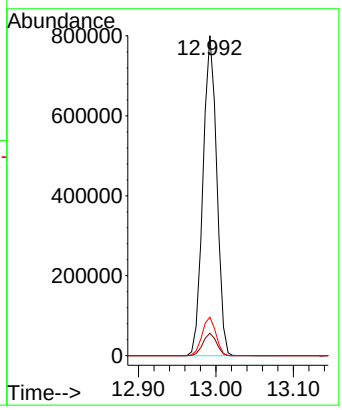




#79
Terphenyl-d14
Concen: 19.952 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:244 Resp: 98678

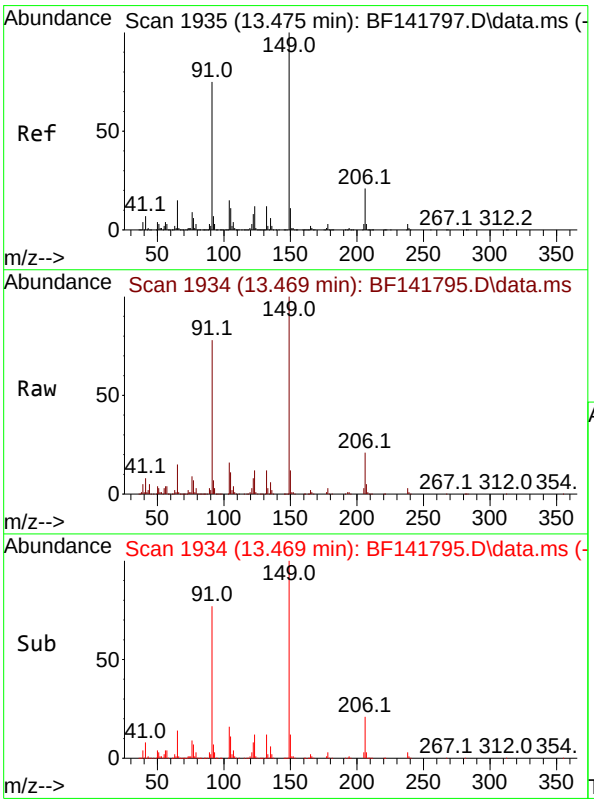
Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	12.1	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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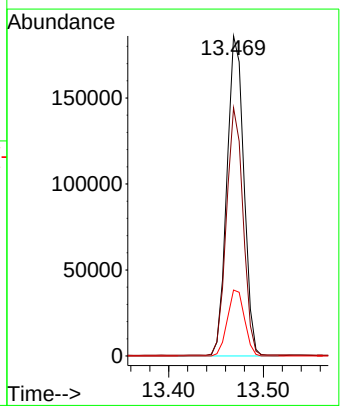
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

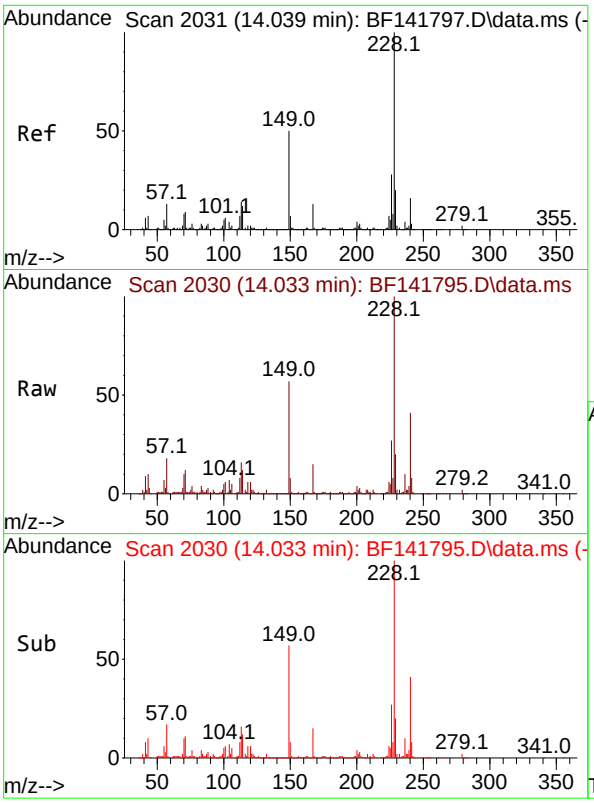


#80
Butylbenzylphthalate
Concen: 9.194 ng
RT: 13.469 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

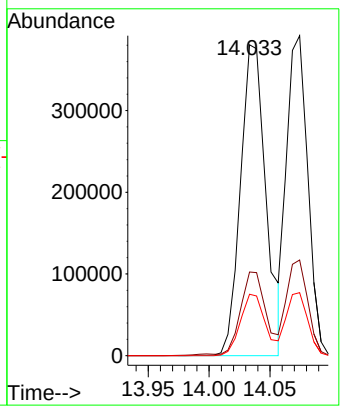
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

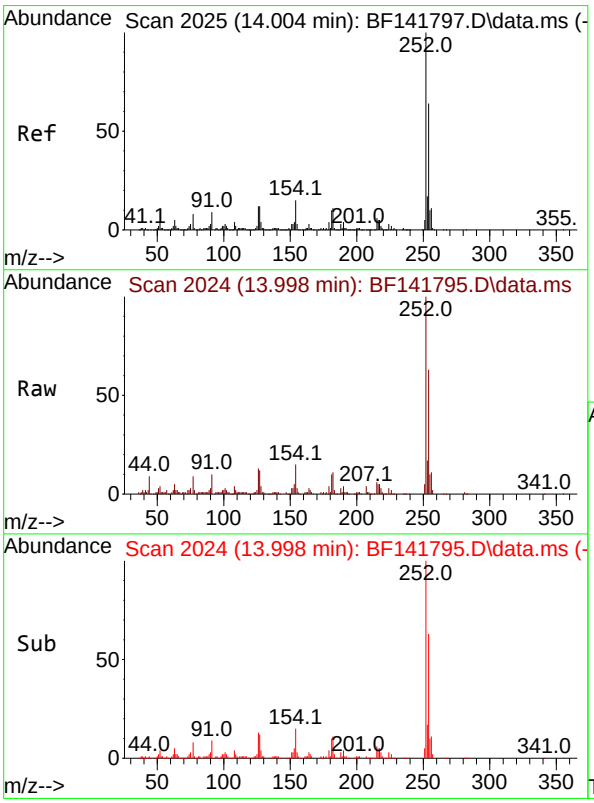
Tgt Ion:228 Resp: 55477

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

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

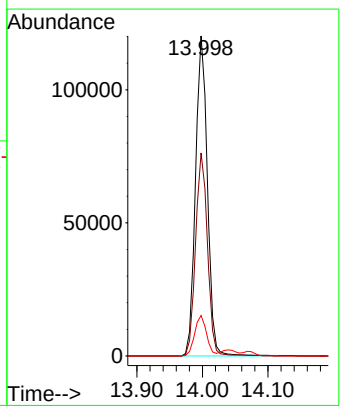


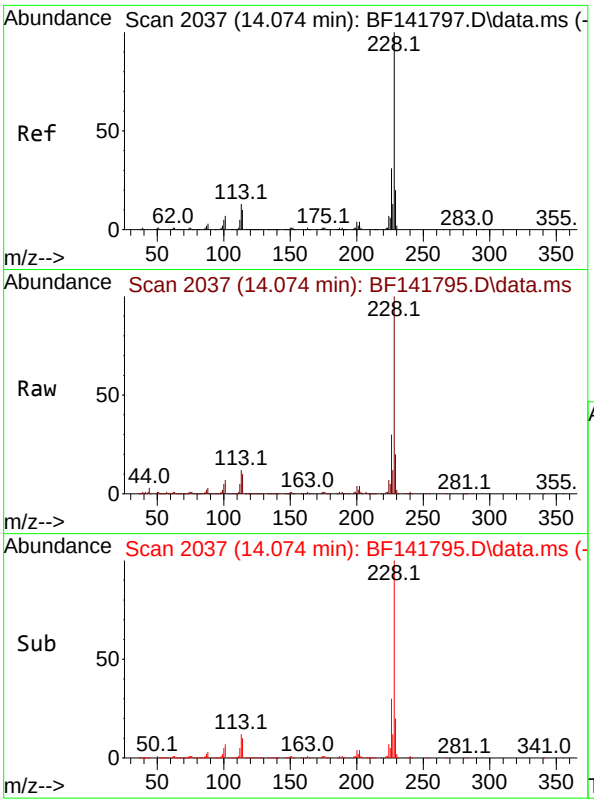


#82
3,3'-Dichlorobenzidine
Concen: 10.033 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

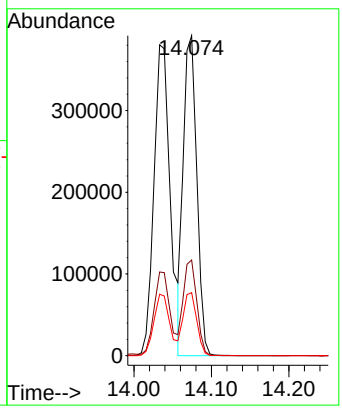




#83
Chrysene
Concen: 9.721 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:228 Resp: 47361

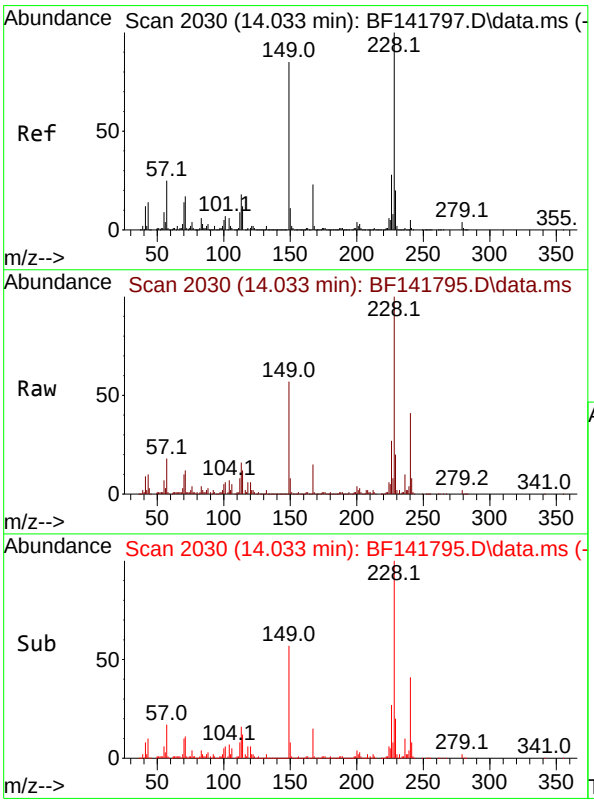
Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.6	37.0
229	19.7	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

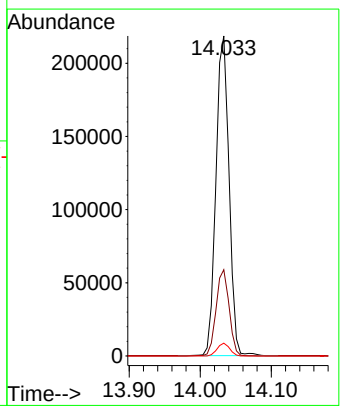
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

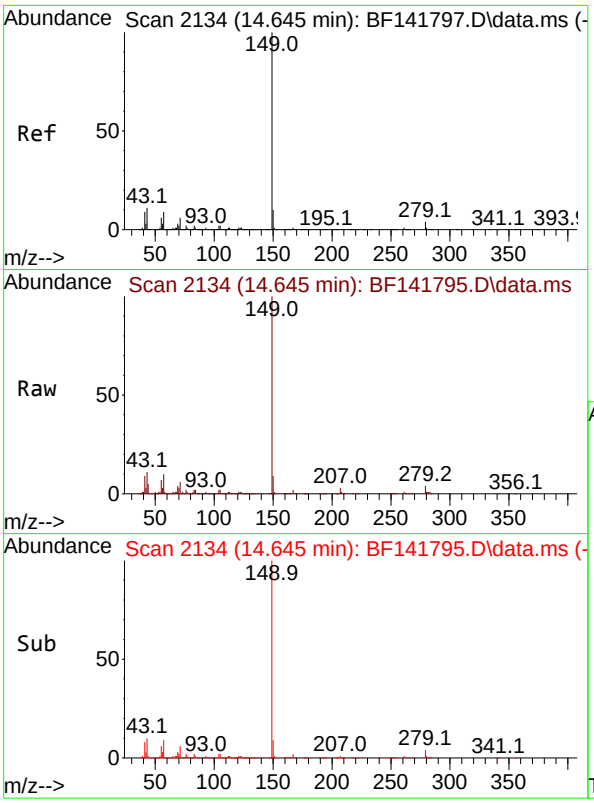


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.884 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

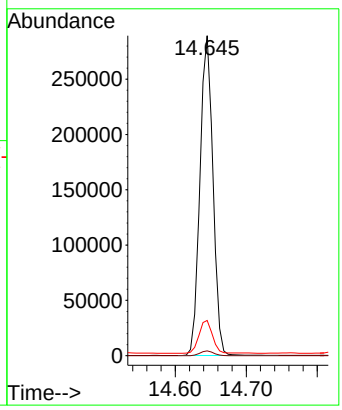
Tgt Ion:149 Resp: 36871

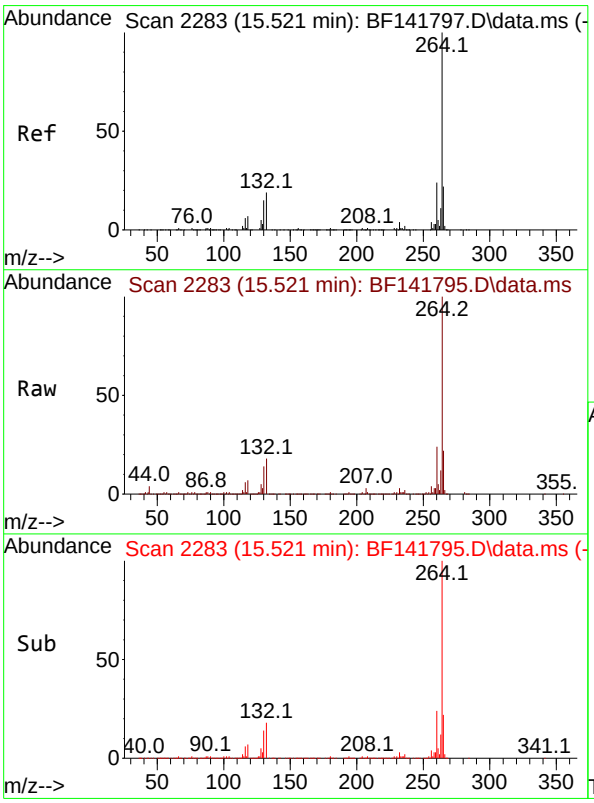
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.8	8.6	12.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

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

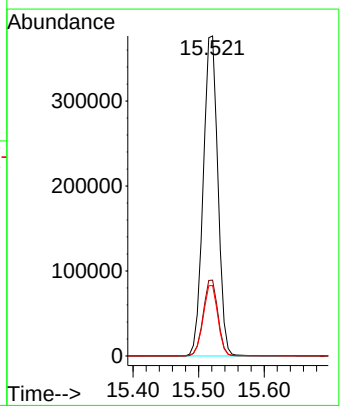


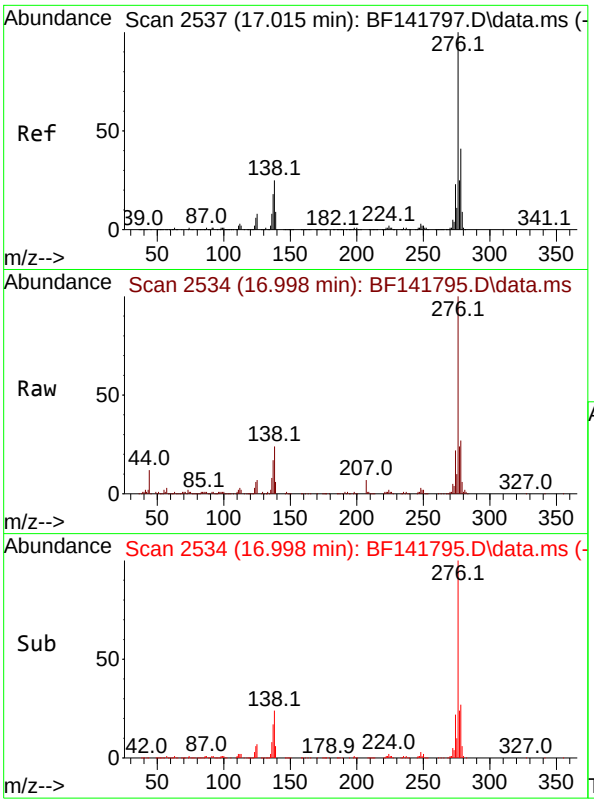


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

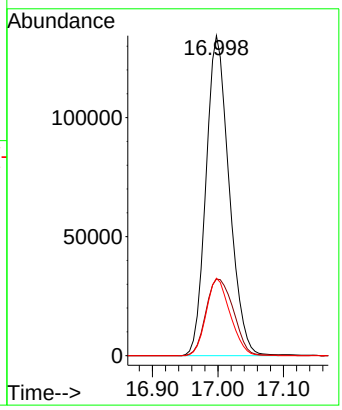




#87
Indeno(1,2,3-cd)pyrene
Concen: 8.838 ng
RT: 16.998 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:276 Resp: 33001

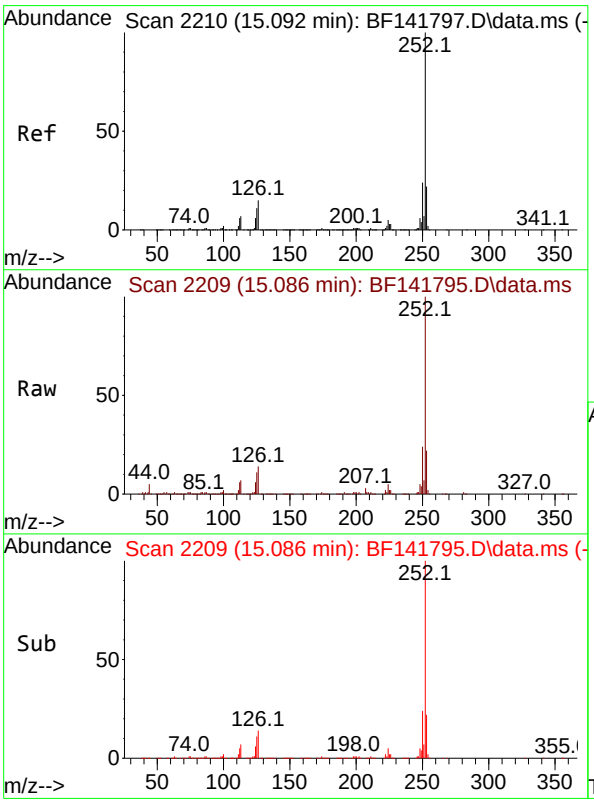
Ion	Ratio	Lower	Upper
276	100		
138	28.6	22.5	33.7
277	25.0	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

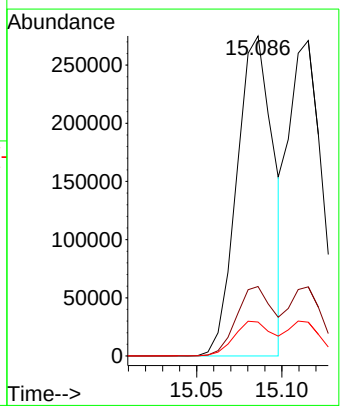
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

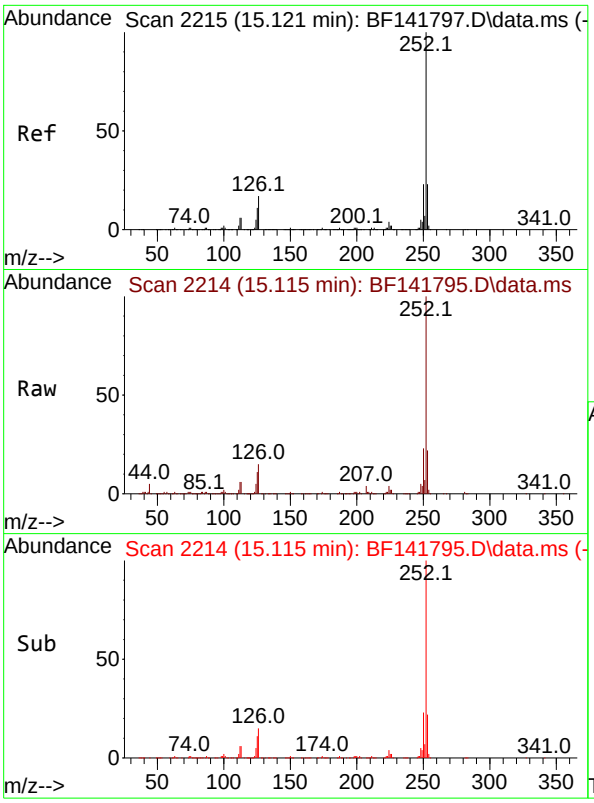


#88
Benzo(b)fluoranthene
Concen: 10.250 ng
RT: 15.086 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

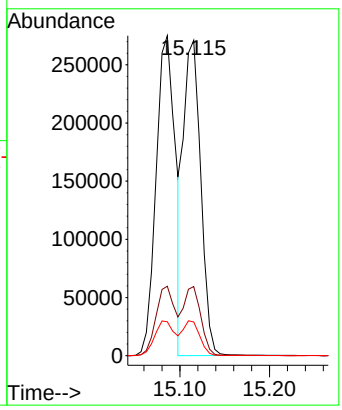




#89
Benzo(k)fluoranthene
Concen: 10.707 ng
RT: 15.115 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:252 Resp: 36351

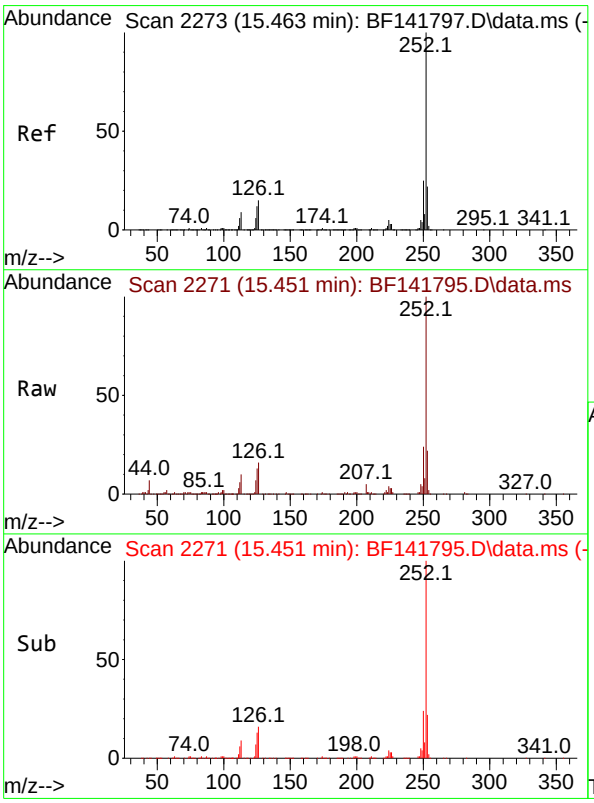
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	10.7	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

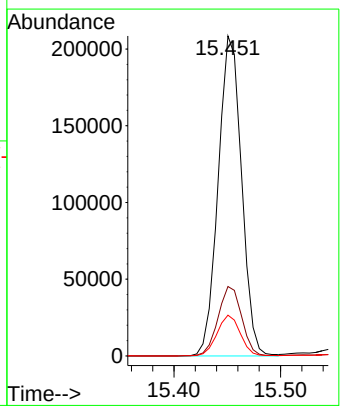
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

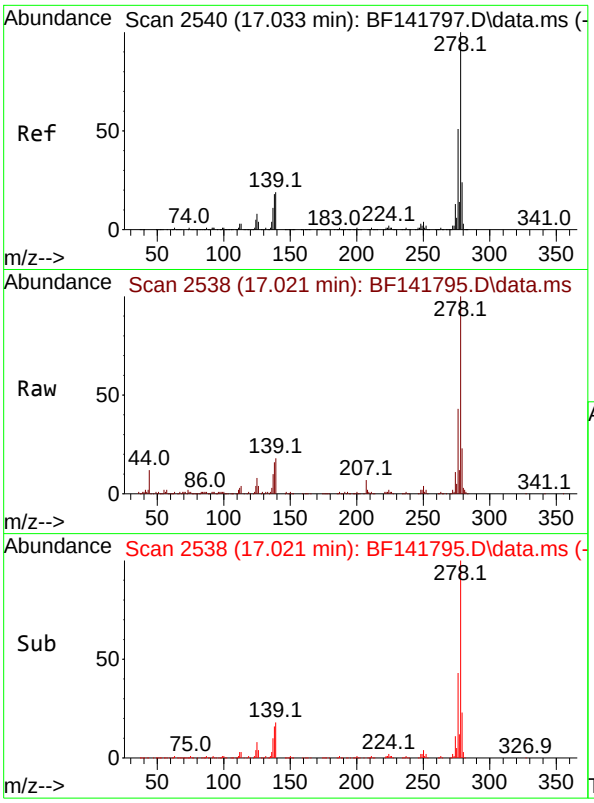


#90
Benzo(a)pyrene
Concen: 9.913 ng
RT: 15.451 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

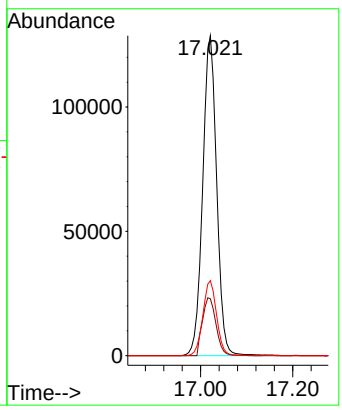




#91
Dibenzo(a,h)anthracene
Concen: 8.954 ng
RT: 17.021 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:278 Resp: 27291

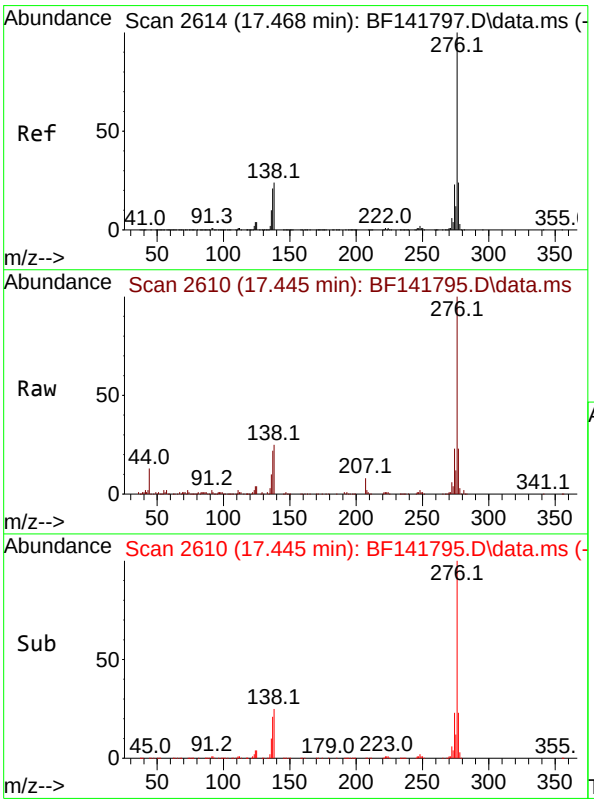
Ion	Ratio	Lower	Upper
278	100		
139	17.8	14.9	22.3
279	23.4	19.3	28.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

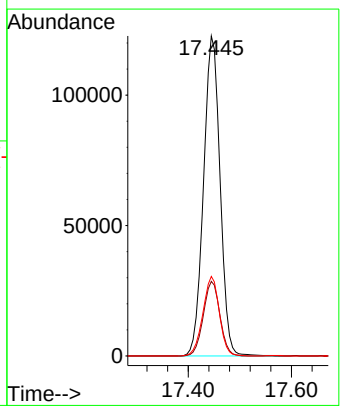
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

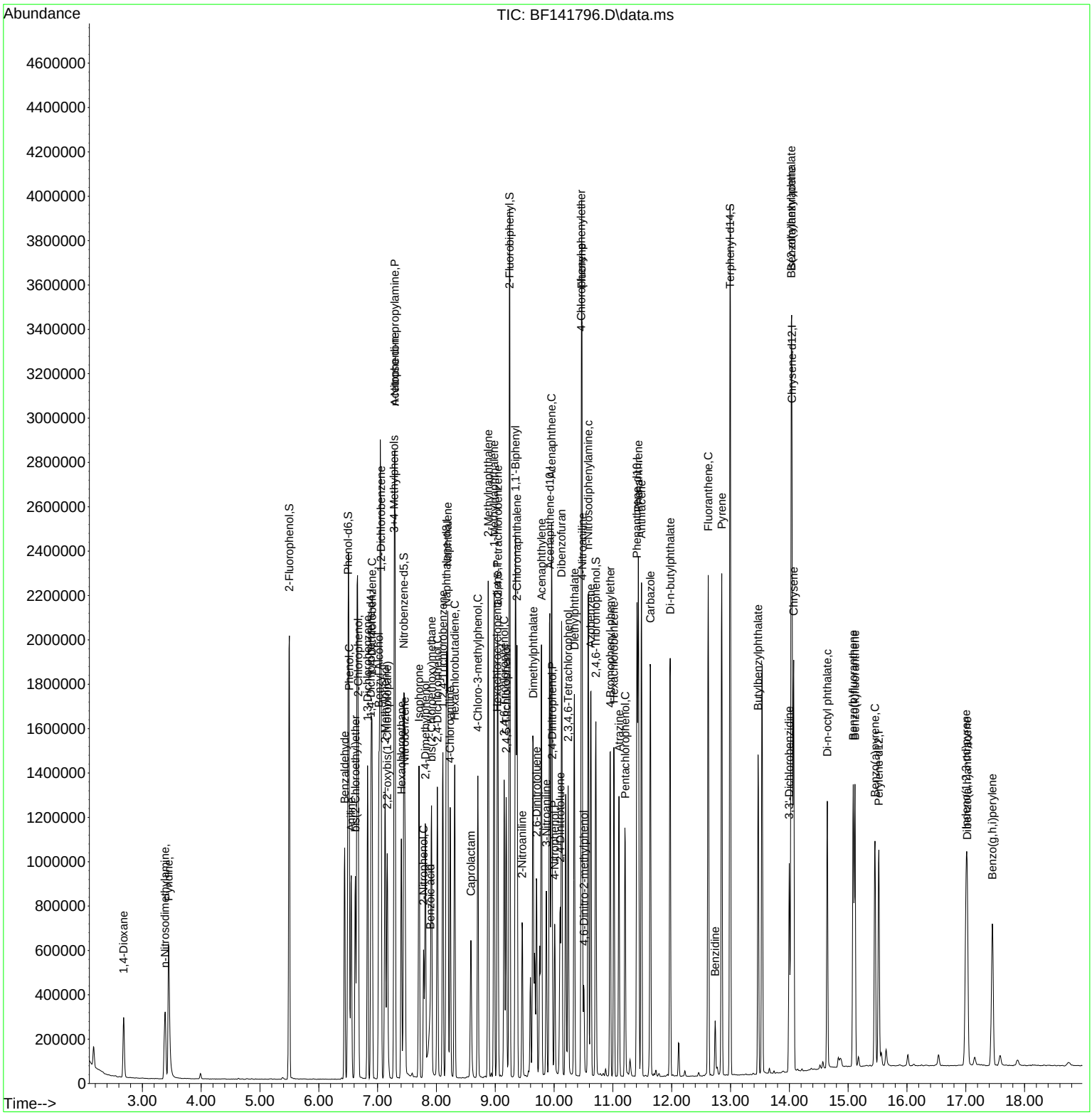
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141796.D
Acq On : 27 Feb 2025 16:46
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

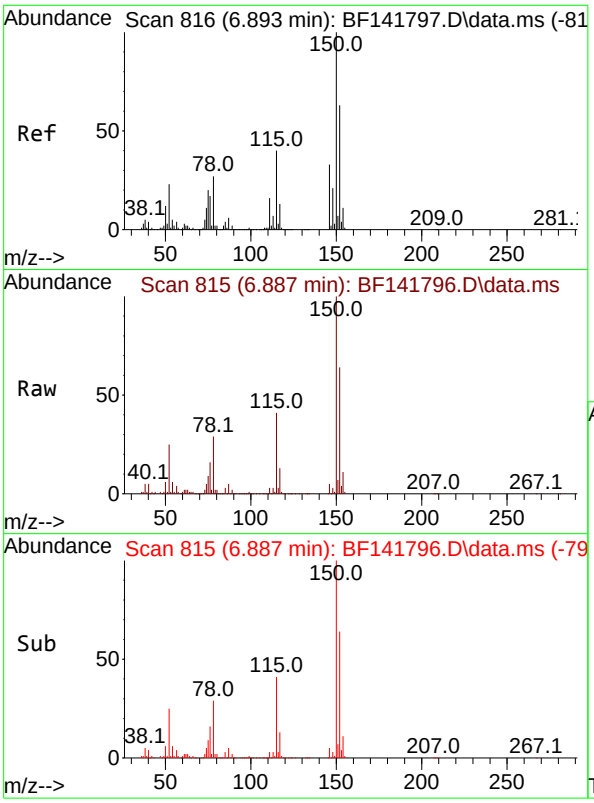
Quant Time: Feb 28 01:24:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

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

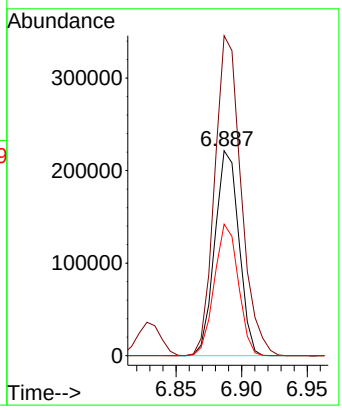




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:152 Resp: 28258

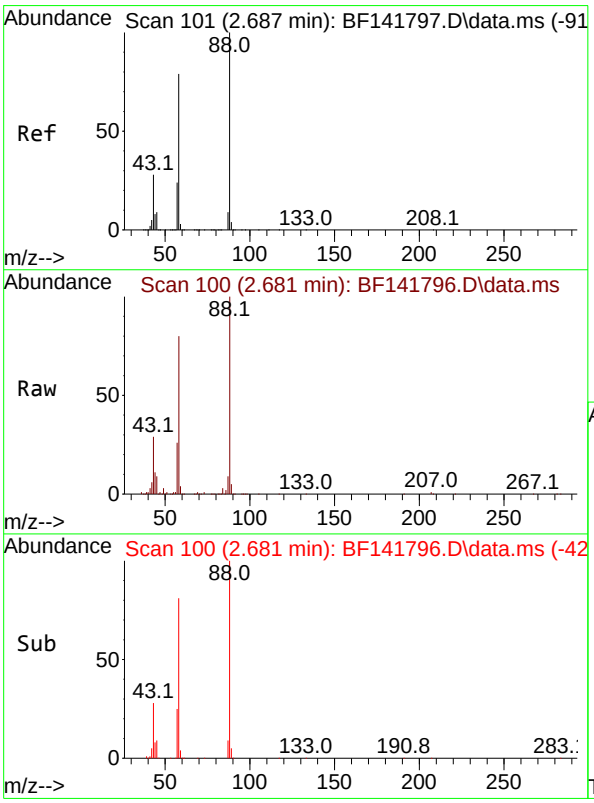
Ion	Ratio	Lower	Upper
152	100		
150	156.1	127.5	191.3
115	64.2	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

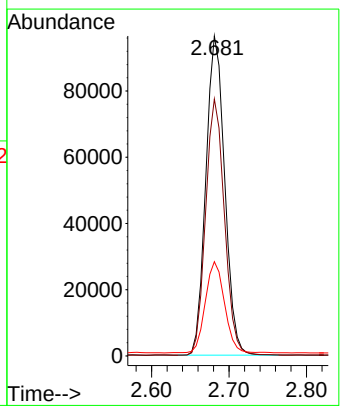
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

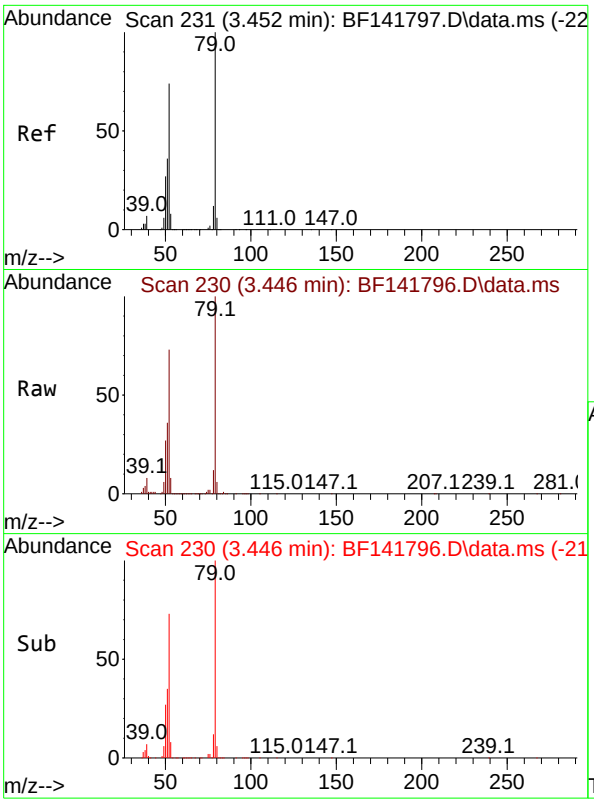


#2
1,4-Dioxane
Concen: 20.255 ng
RT: 2.681 min Scan# 100
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

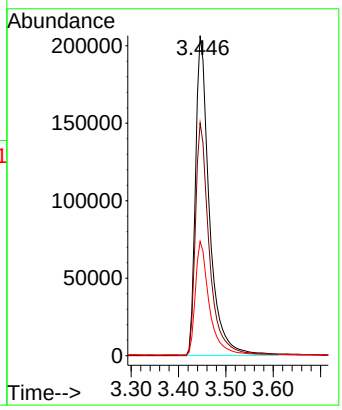




#3
Pyridine
Concen: 21.024 ng
RT: 3.446 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 79 Resp: 41999

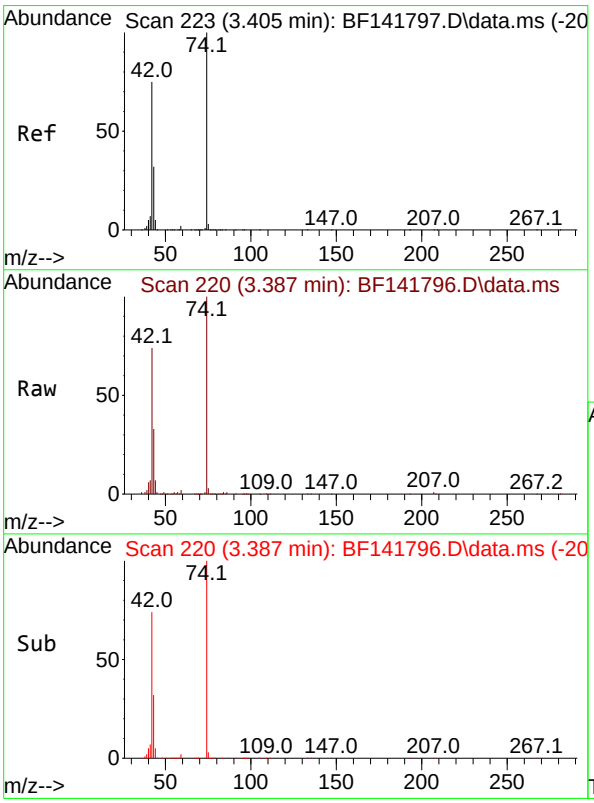
Ion	Ratio	Lower	Upper
79	100		
52	72.7	59.0	88.4
51	35.7	29.0	43.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

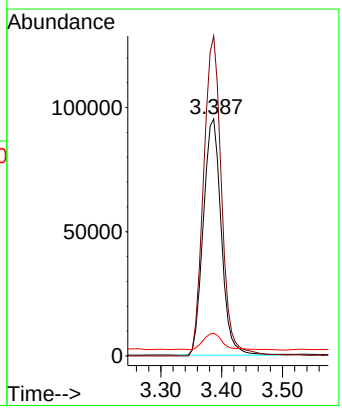
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

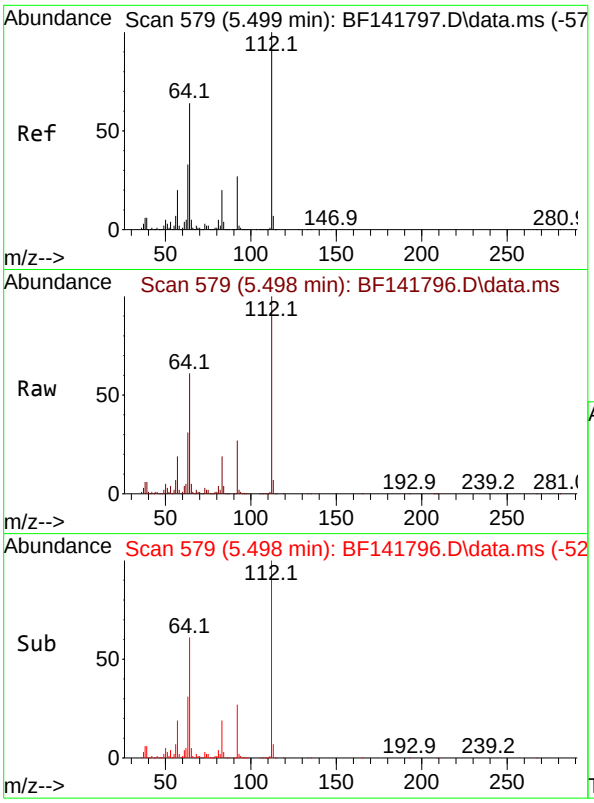


#4
n-Nitrosodimethylamine
Concen: 20.270 ng
RT: 3.387 min Scan# 220
Delta R.T. -0.018 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

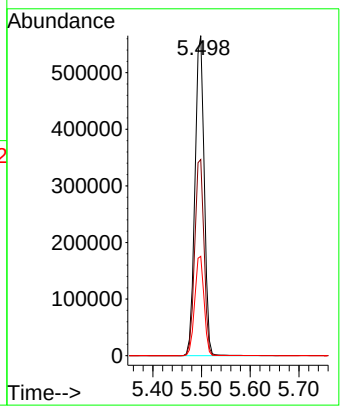




#5
2-Fluorophenol
Concen: 42.367 ng
RT: 5.498 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:112 Resp: 74967

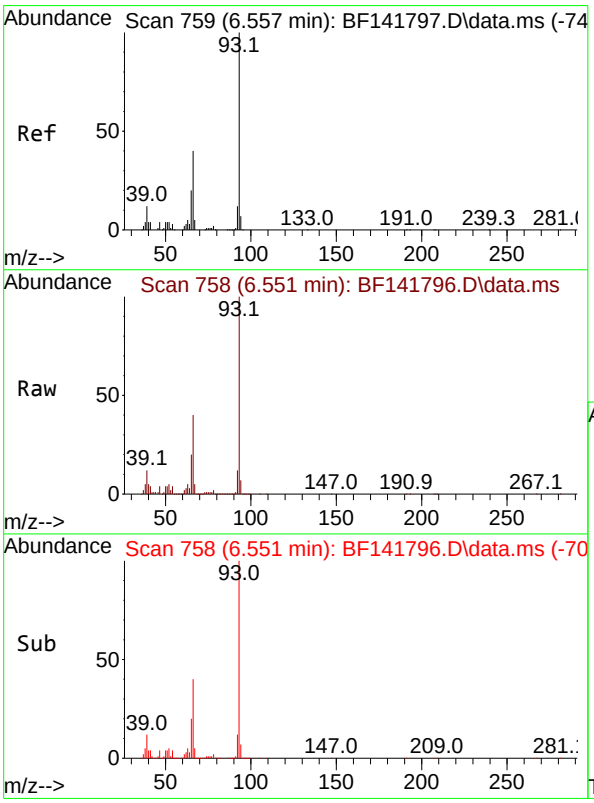
Ion	Ratio	Lower	Upper
112	100		
64	61.3	51.3	76.9
63	31.1	26.2	39.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

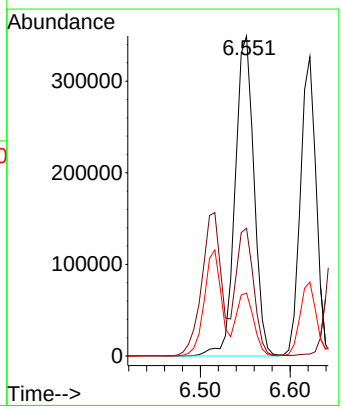
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

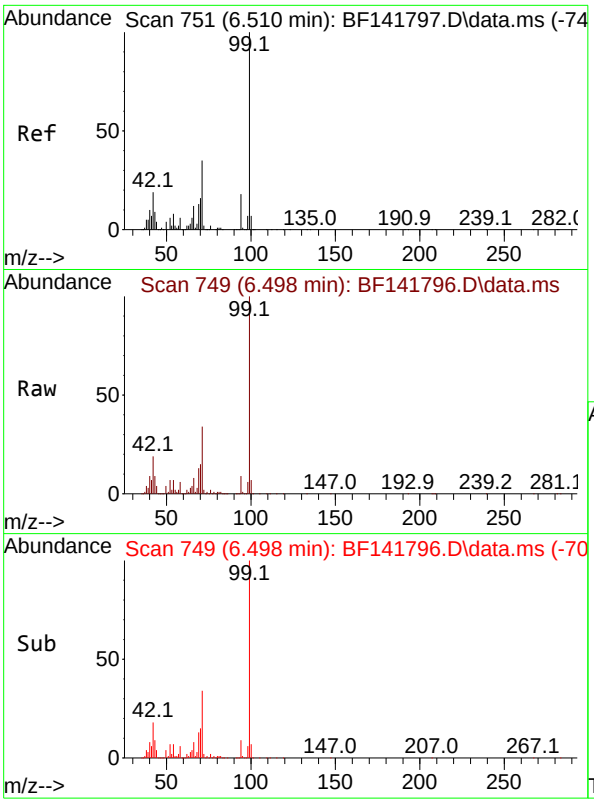


#6
Aniline
Concen: 21.416 ng
RT: 6.551 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

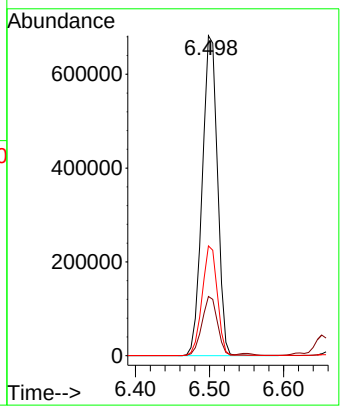




#7
Phenol-d6
Concen: 42.408 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 99 Resp: 97671

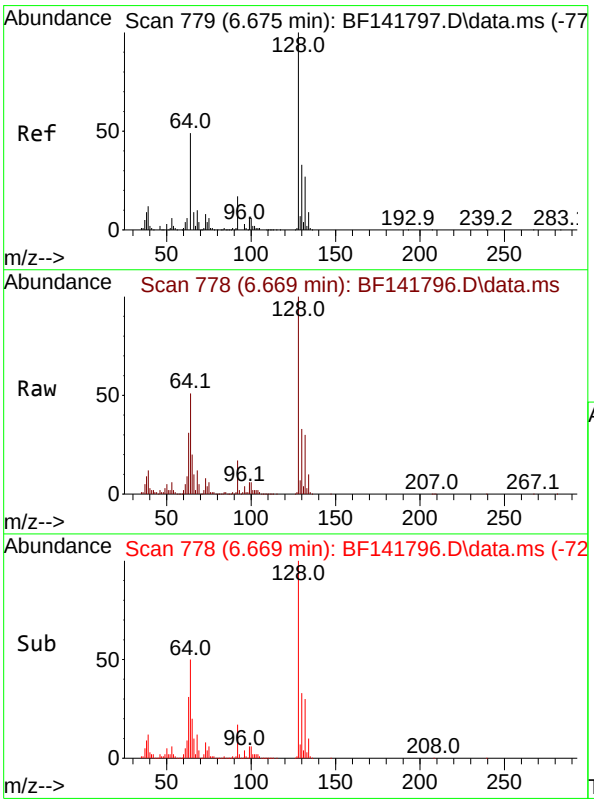
Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.2	22.8
71	34.3	28.2	42.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

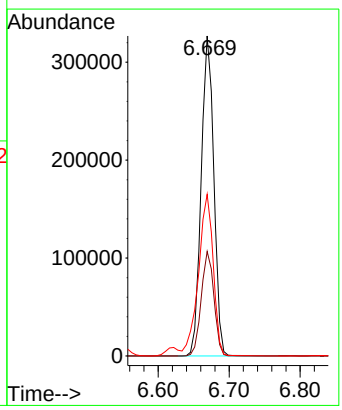
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

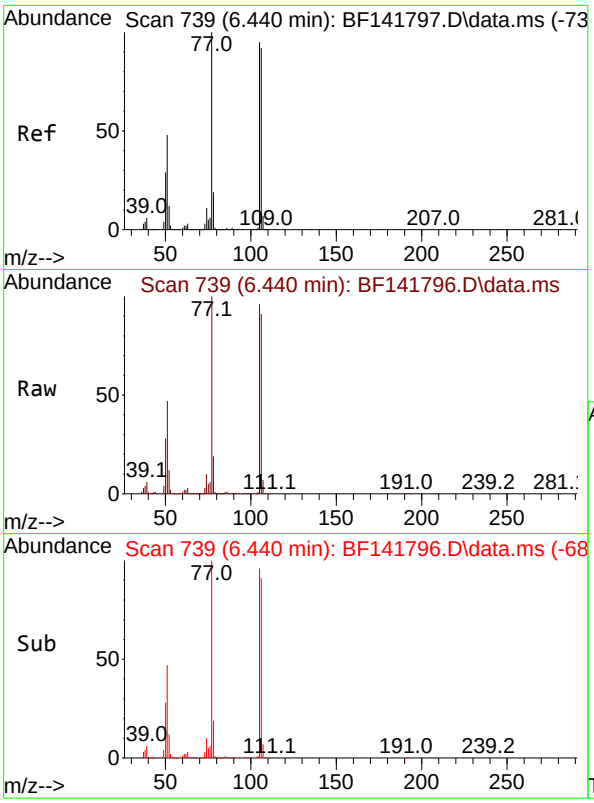


#8
2-Chlorophenol
Concen: 21.241 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

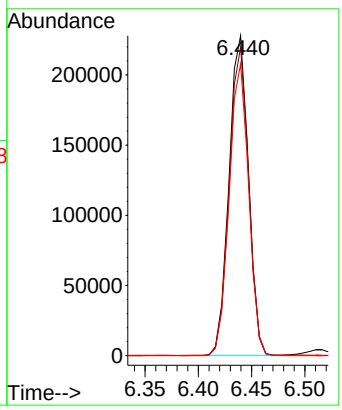




#9
Benzaldehyde
Concen: 21.590 ng
RT: 6.440 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 77 Resp: 28924

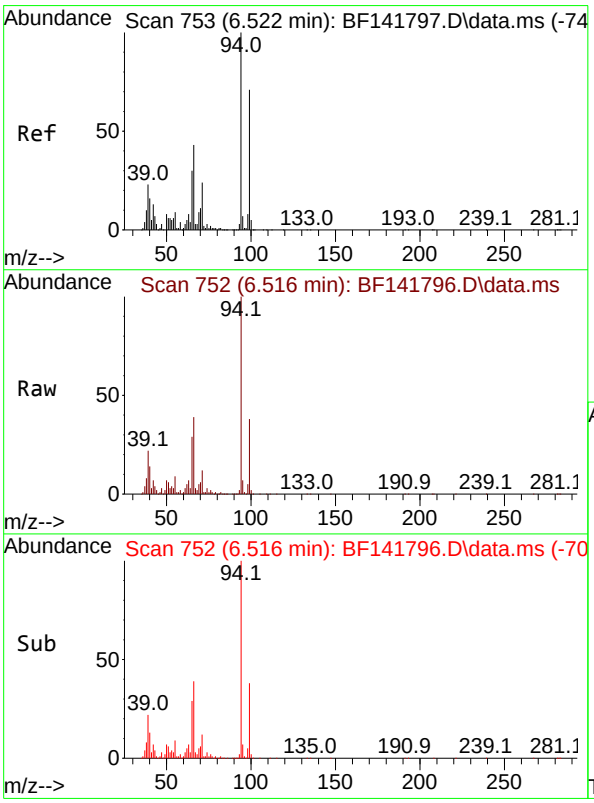
Ion	Ratio	Lower	Upper
77	100		
105	96.4	75.3	115.3
106	91.1	72.3	112.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

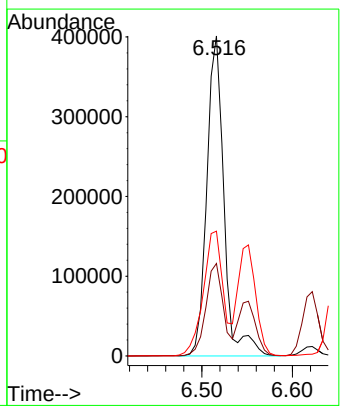
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

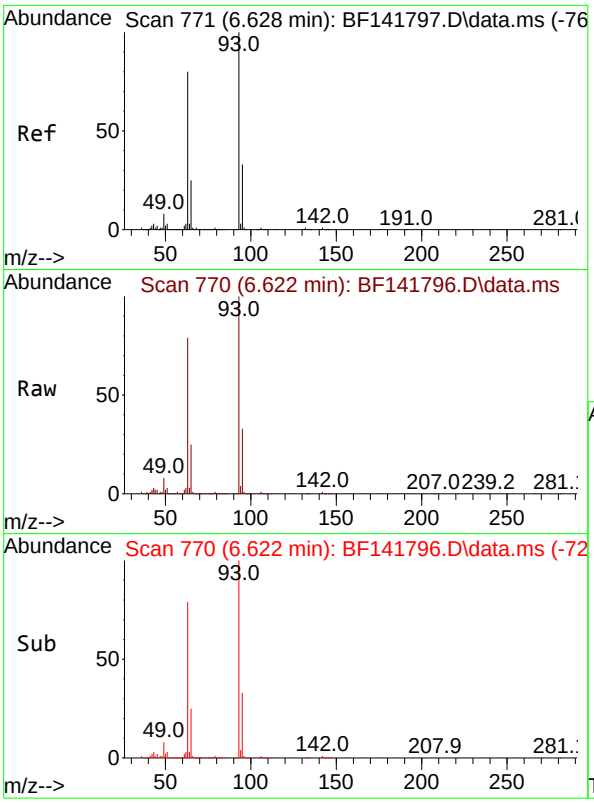


#10
Phenol
Concen: 21.493 ng m
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

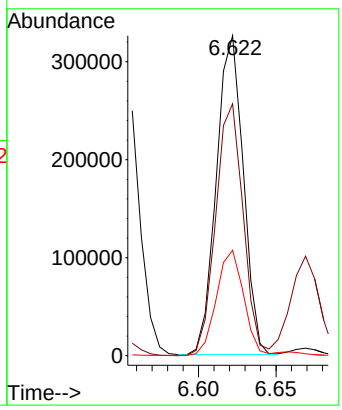




#11
bis(2-Chloroethyl)ether
Concen: 20.964 ng
RT: 6.622 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 93 Resp: 39329

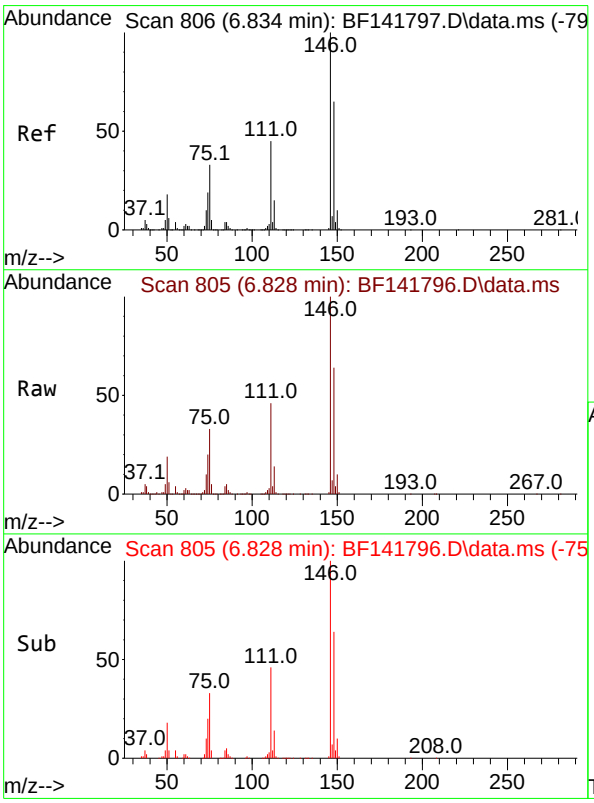
Ion	Ratio	Lower	Upper
93	100		
63	78.7	59.3	99.3
95	32.9	13.2	53.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

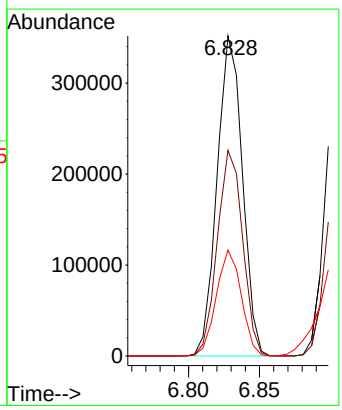
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

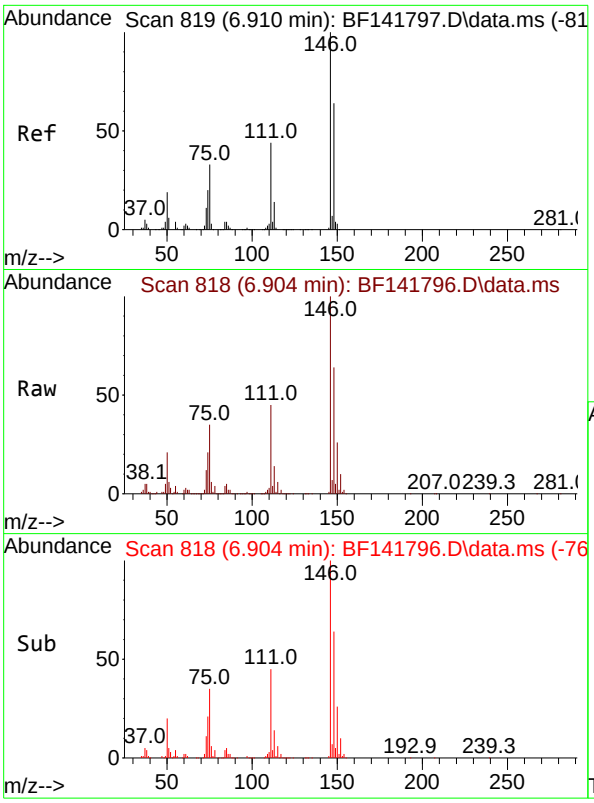


#12
1,3-Dichlorobenzene
Concen: 21.247 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

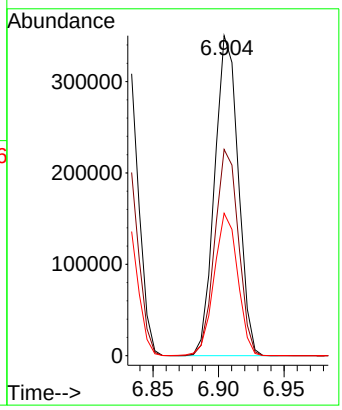




#13
1,4-Dichlorobenzene
Concen: 21.195 ng
RT: 6.904 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:146 Resp: 43777

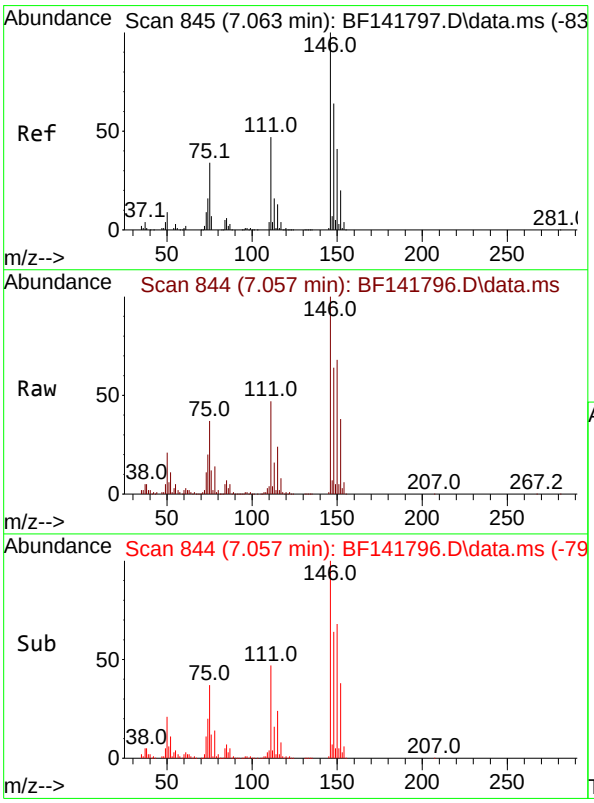
Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.4	77.2
111	44.5	35.5	53.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

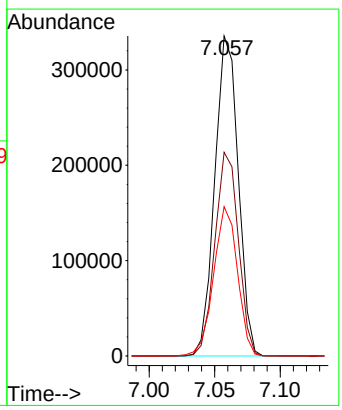
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

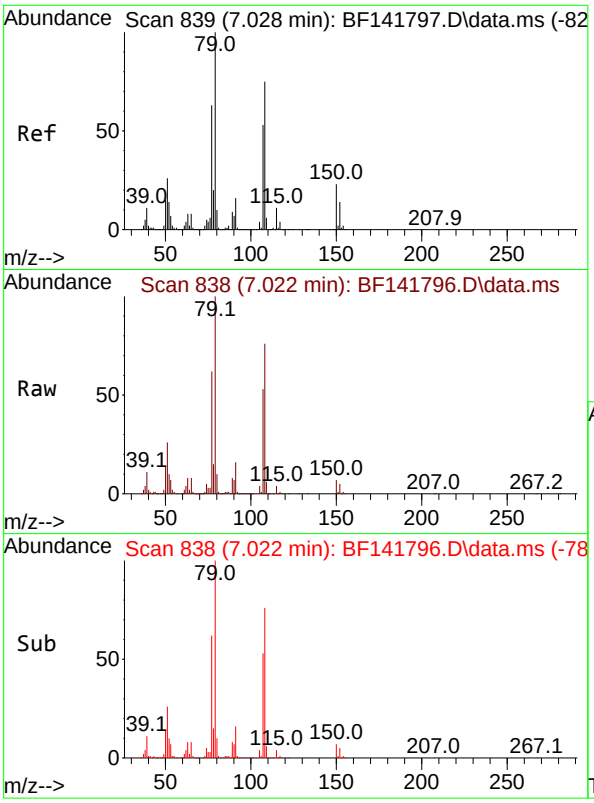


#14
1,2-Dichlorobenzene
Concen: 21.620 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

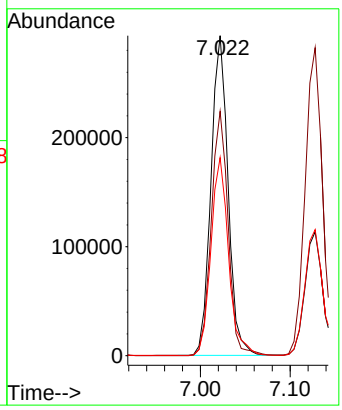




#15
Benzyl Alcohol
Concen: 21.089 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 79 Resp: 38817

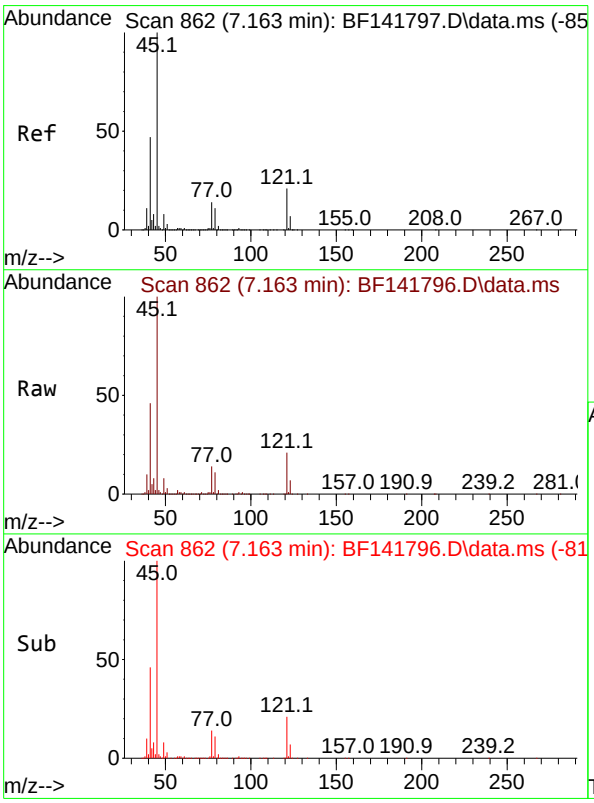
Ion	Ratio	Lower	Upper
79	100		
108	76.3	60.2	90.2
77	61.9	50.2	75.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

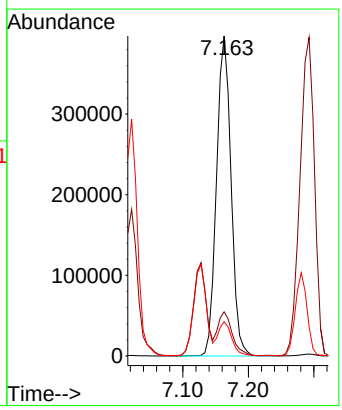
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

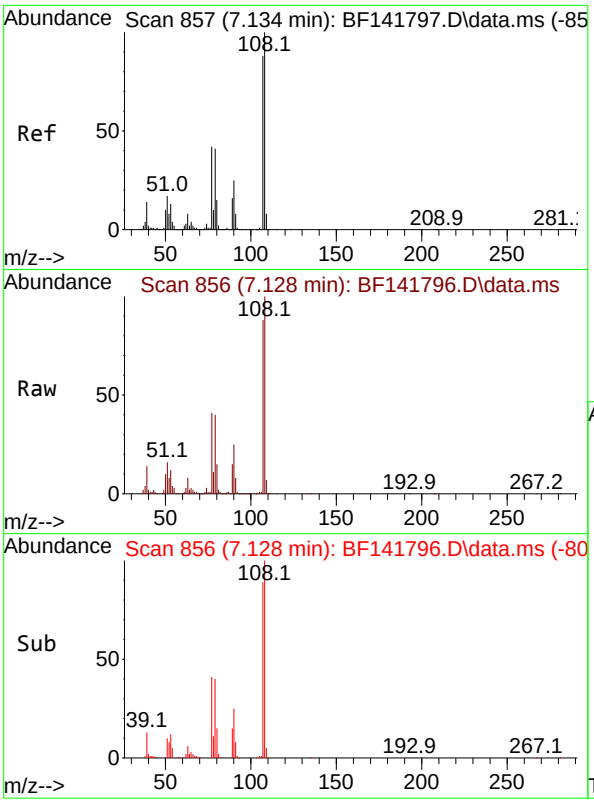


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.316 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

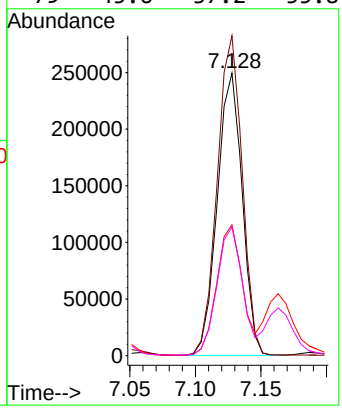




#17
2-Methylphenol
Concen: 20.839 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:107 Resp: 32926

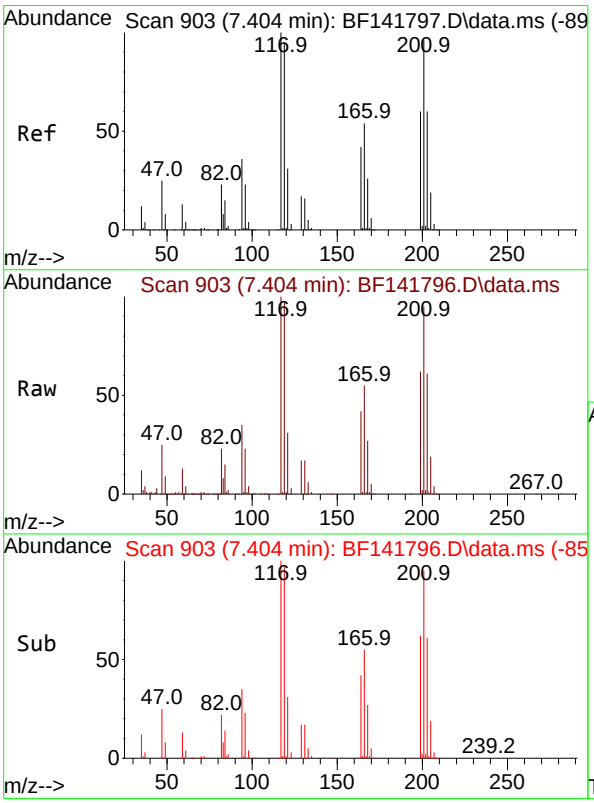
Ion	Ratio	Lower	Upper
107	100		
108	113.3	90.6	135.8
77	46.4	37.7	56.5
79	45.6	37.2	55.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

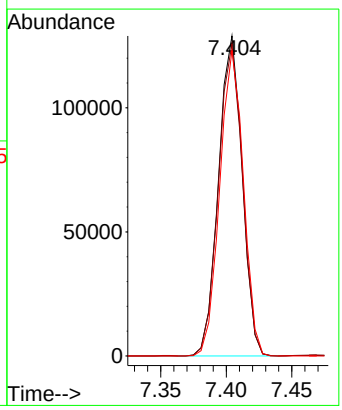
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

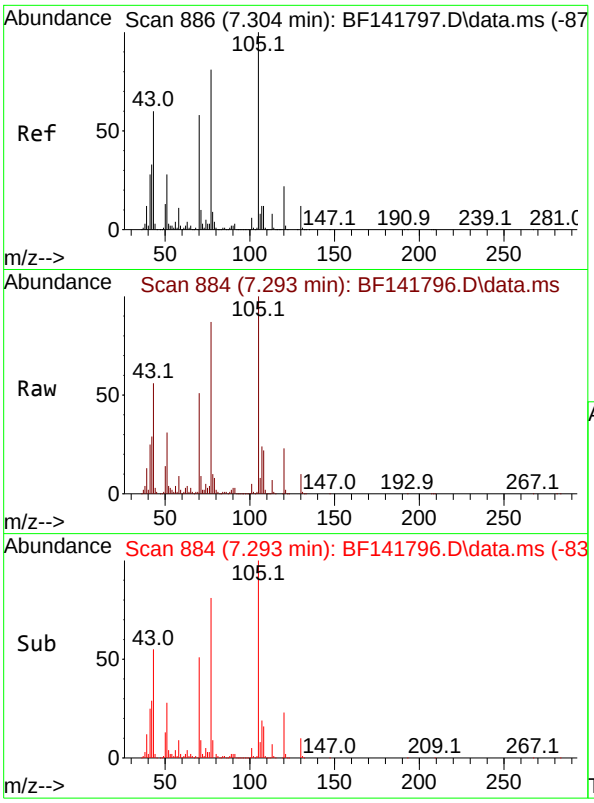


#18
Hexachloroethane
Concen: 21.002 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

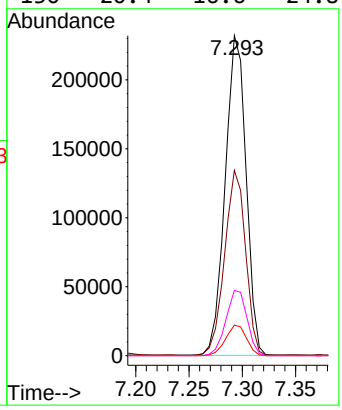




#19
n-Nitroso-di-n-propylamine
Concen: 20.904 ng
RT: 7.293 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 70 Resp: 31648

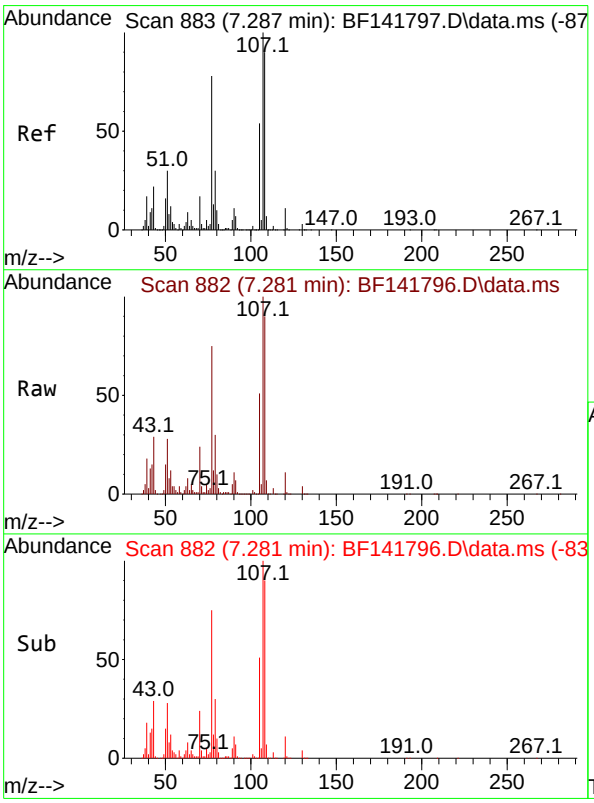
Ion	Ratio	Lower	Upper
70	100		
42	57.9	45.4	68.0
101	9.6	7.8	11.8
130	20.4	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

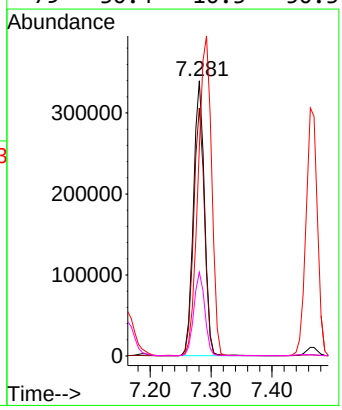
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

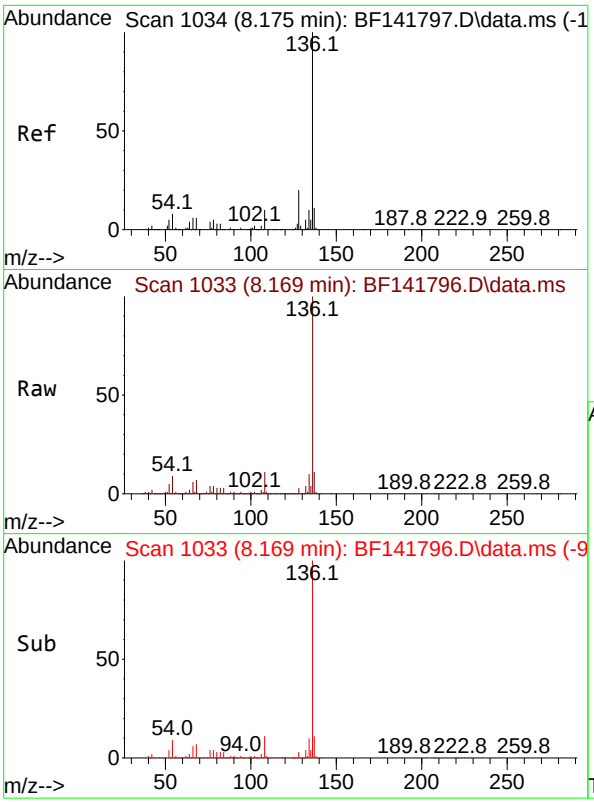


#20
3+4-Methylphenols
Concen: 21.633 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

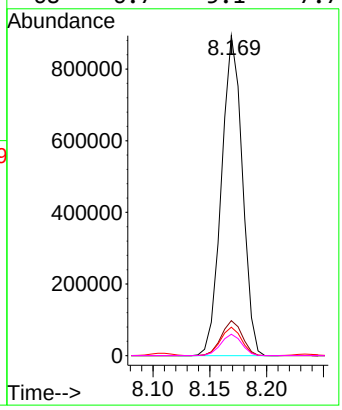




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:136 Resp: 114333

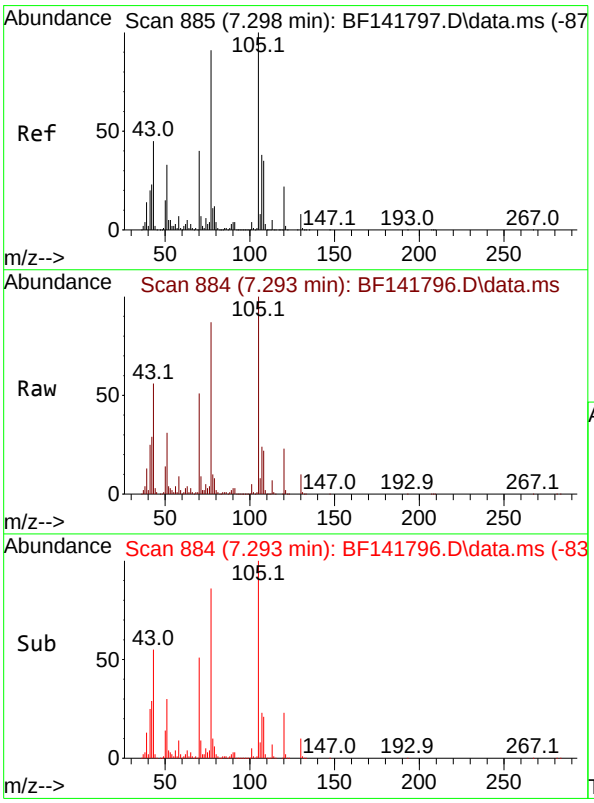
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.9	6.9	10.3
68	6.7	5.1	7.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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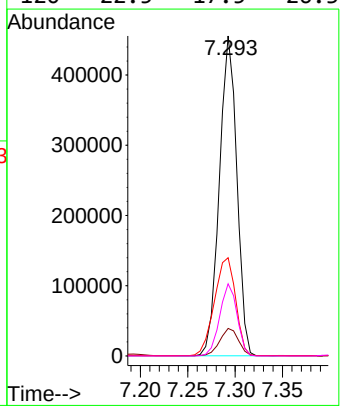
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

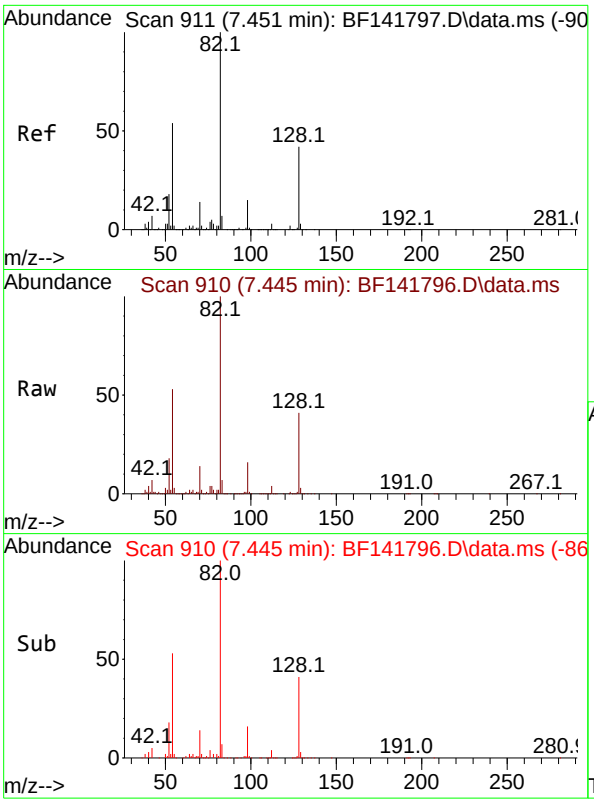


#22
Acetophenone
Concen: 21.041 ng
RT: 7.293 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

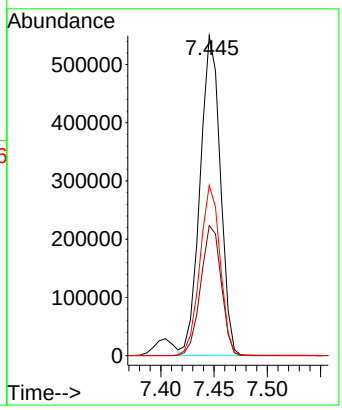
Tgt Ion: 82 Resp: 72603

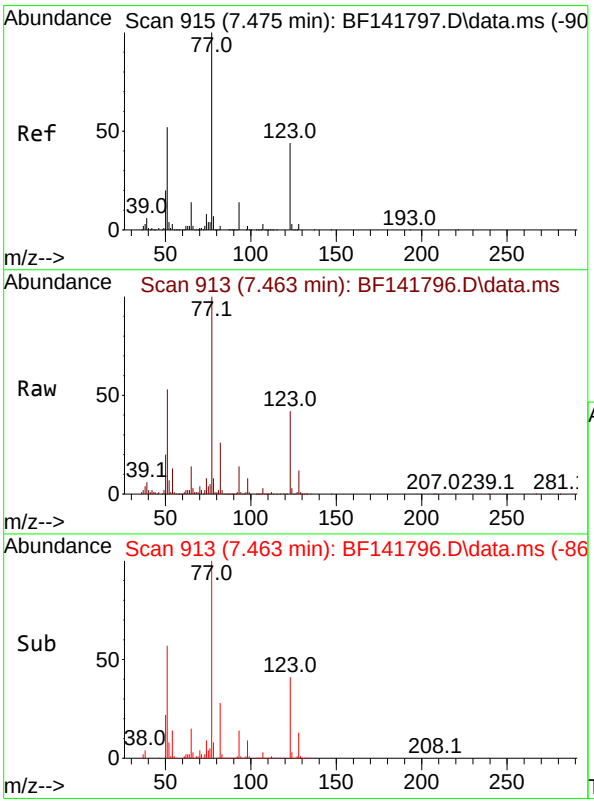
Ion	Ratio	Lower	Upper
82	100		
128	40.7	33.5	50.3
54	53.3	42.7	64.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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

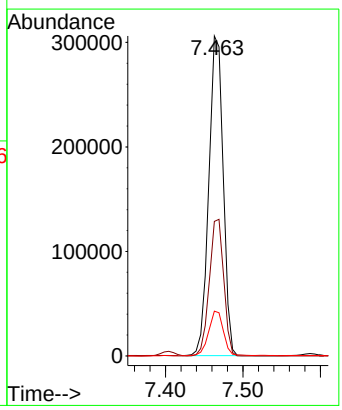


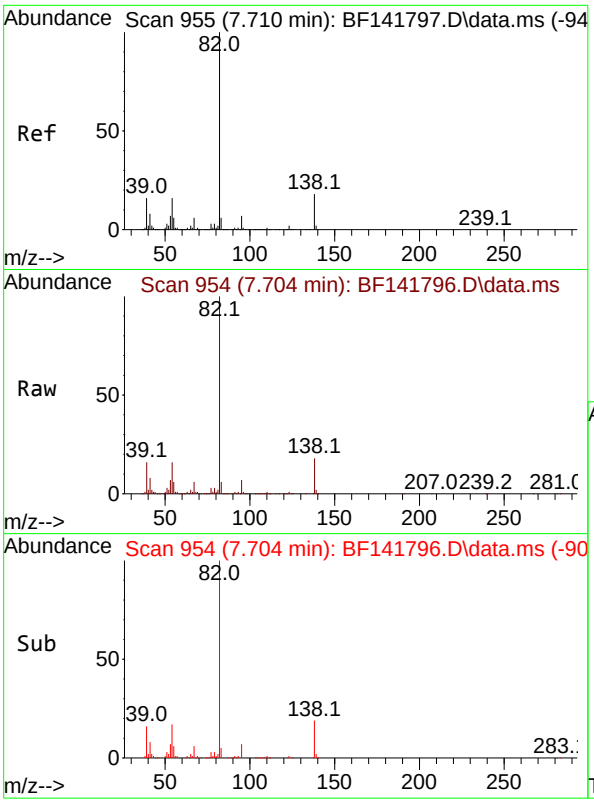


#24
Nitrobenzene
Concen: 20.649 ng
RT: 7.463 min Scan# 913
Delta R.T. -0.012 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

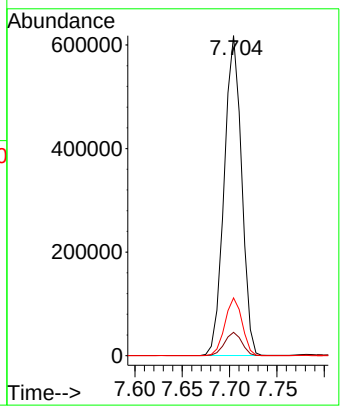
Tgt Ion: 82 Resp: 78934

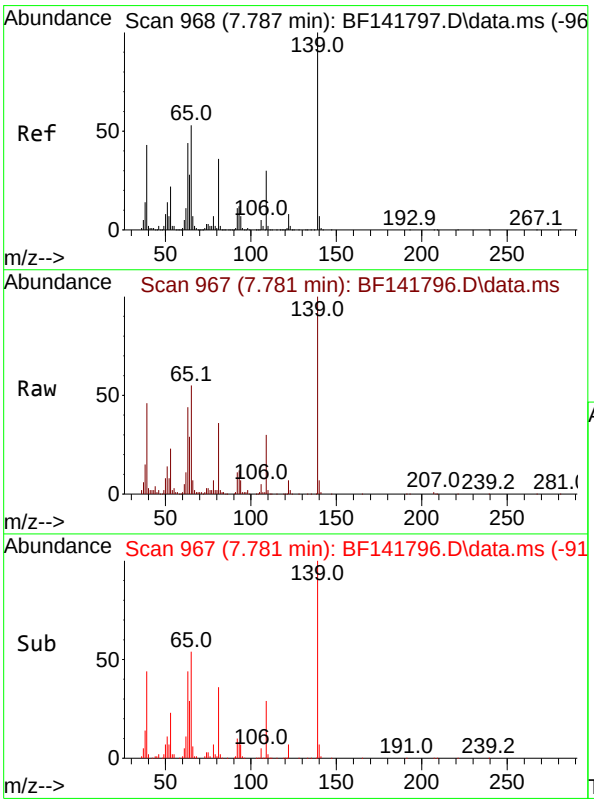
Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	18.1	14.0	21.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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

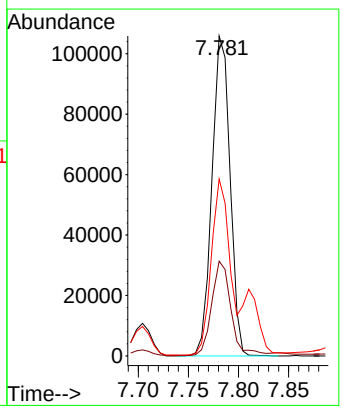


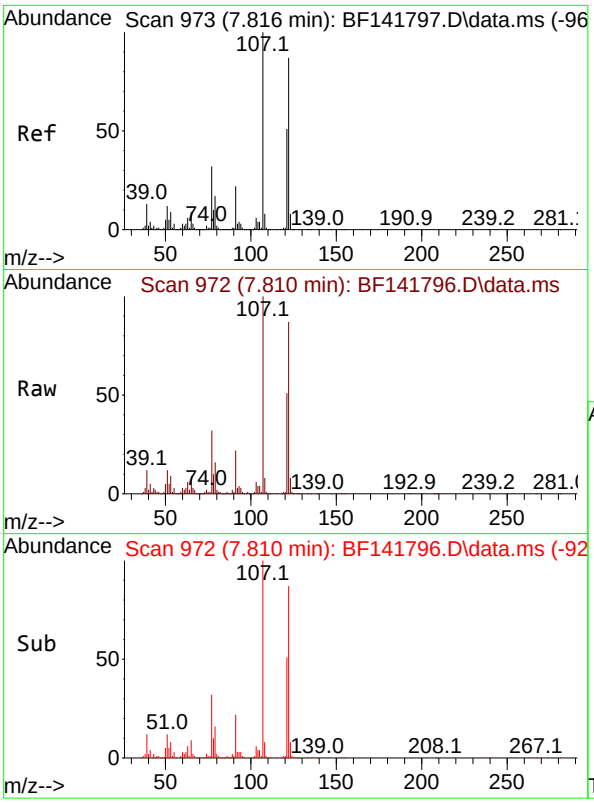


#26
2-Nitrophenol
Concen: 18.604 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

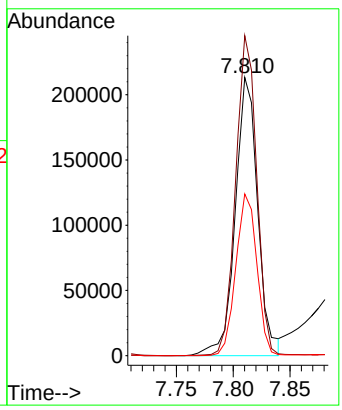




#27
2,4-Dimethylphenol
Concen: 20.740 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:122 Resp: 29296

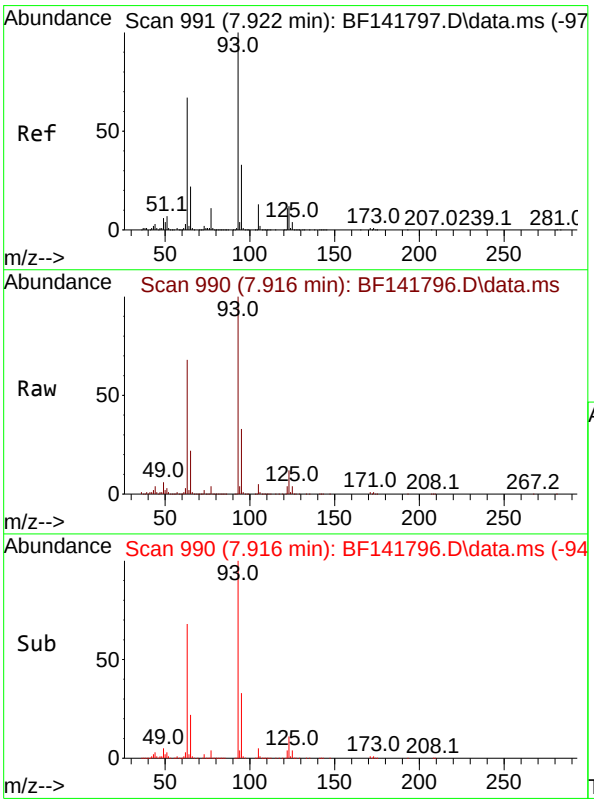
Ion	Ratio	Lower	Upper
122	100		
107	115.0	92.5	138.7
121	58.1	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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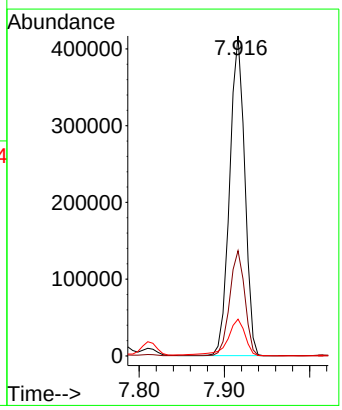
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

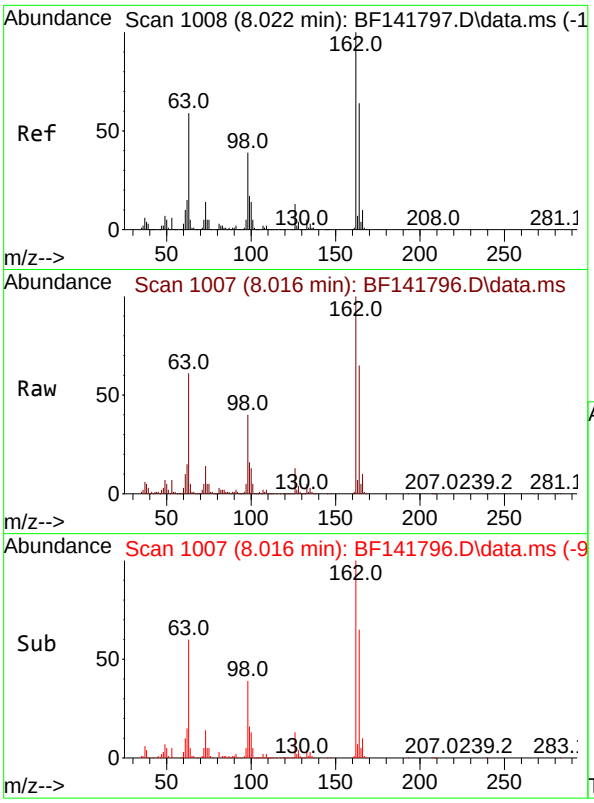


#28
bis(2-Chloroethoxy)methane
Concen: 20.966 ng
RT: 7.916 min Scan# 990
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

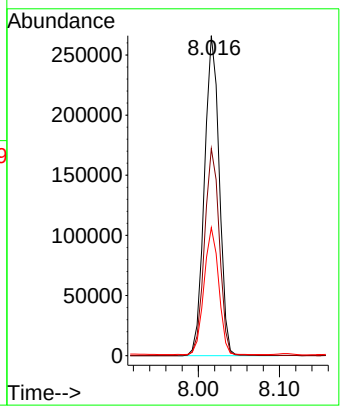




#29
2,4-Dichlorophenol
Concen: 20.749 ng
RT: 8.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:162 Resp: 33812

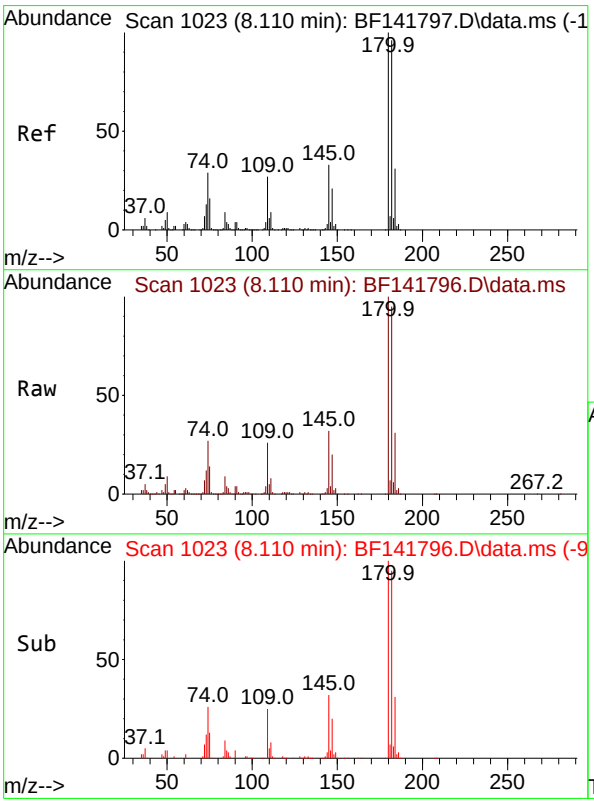
Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.3	84.3
98	40.0	19.6	59.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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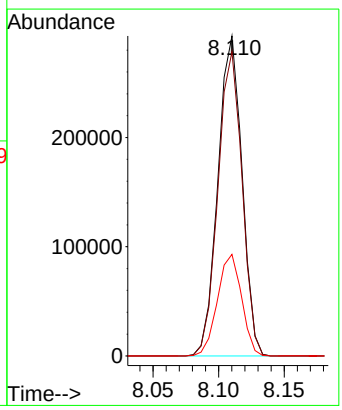
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

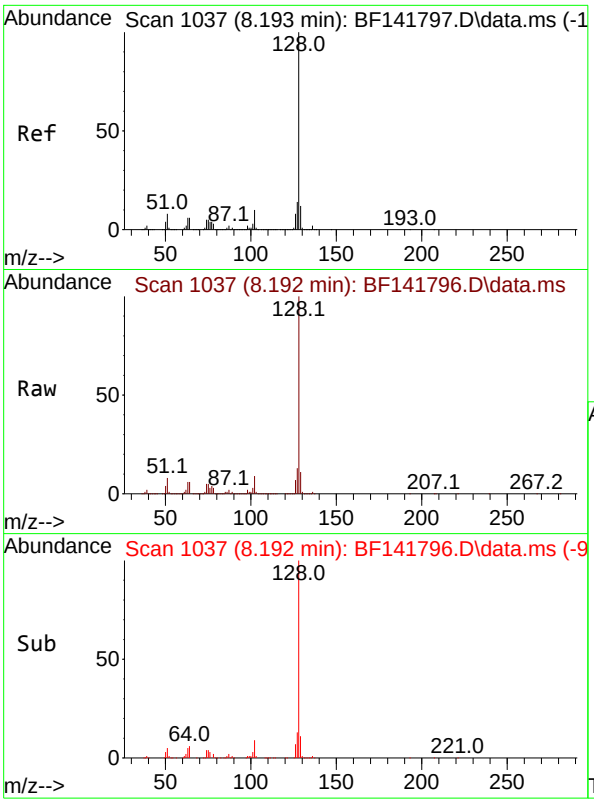


#30
1,2,4-Trichlorobenzene
Concen: 20.955 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

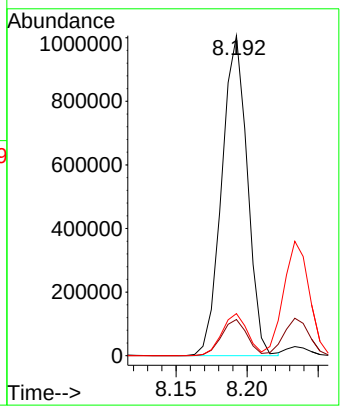




#31
Naphthalene
Concen: 21.409 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:128 Resp: 125808

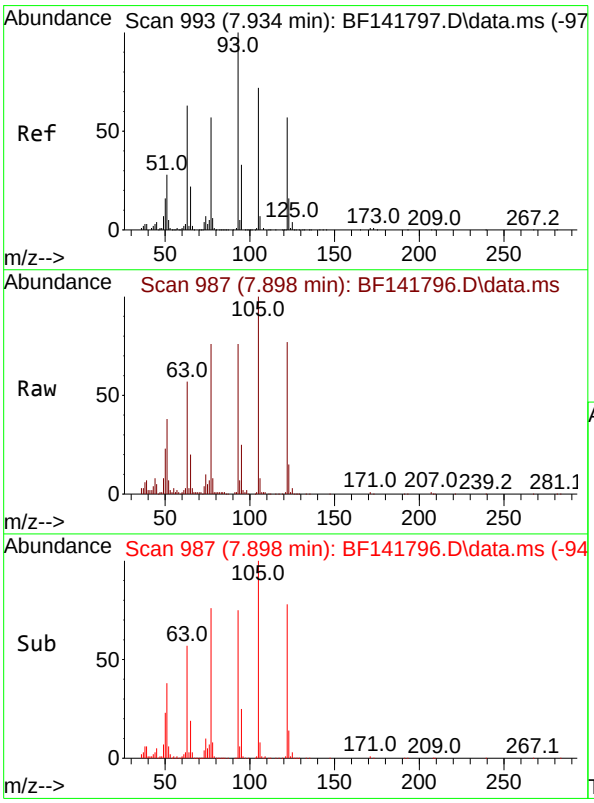
Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.2	13.8
127	13.2	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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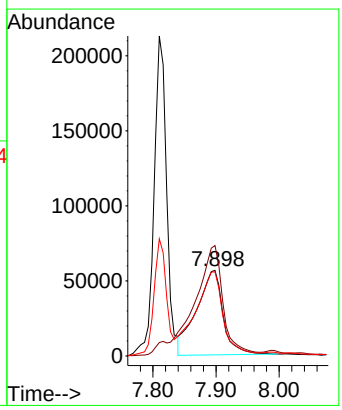
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

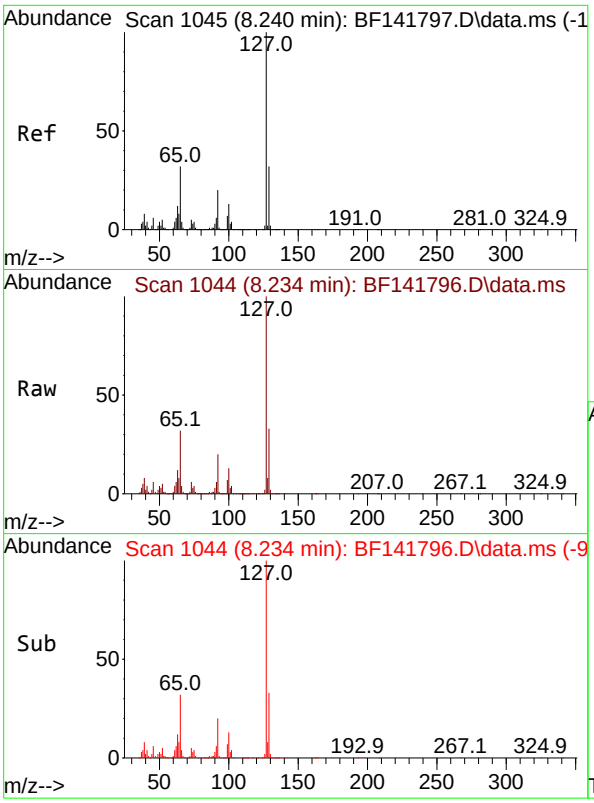


#32
Benzoic acid
Concen: 19.487 ng
RT: 7.898 min Scan# 987
Delta R.T. -0.036 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

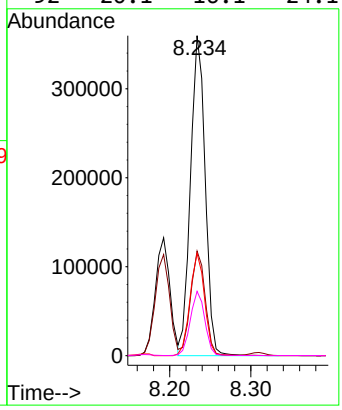




#33
4-Chloroaniline
Concen: 21.097 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:127 Resp: 45456

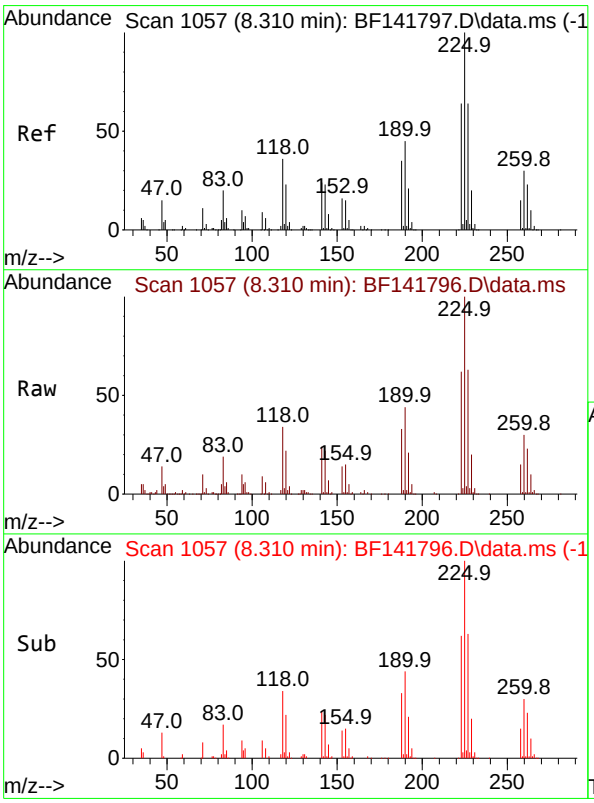
Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.1	39.1
65	32.0	25.7	38.5
92	20.1	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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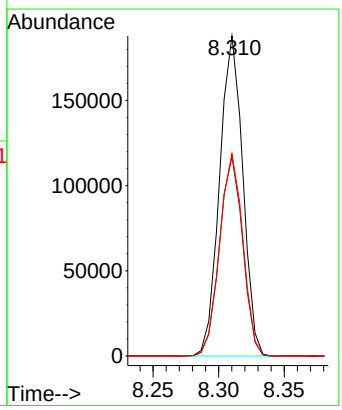
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

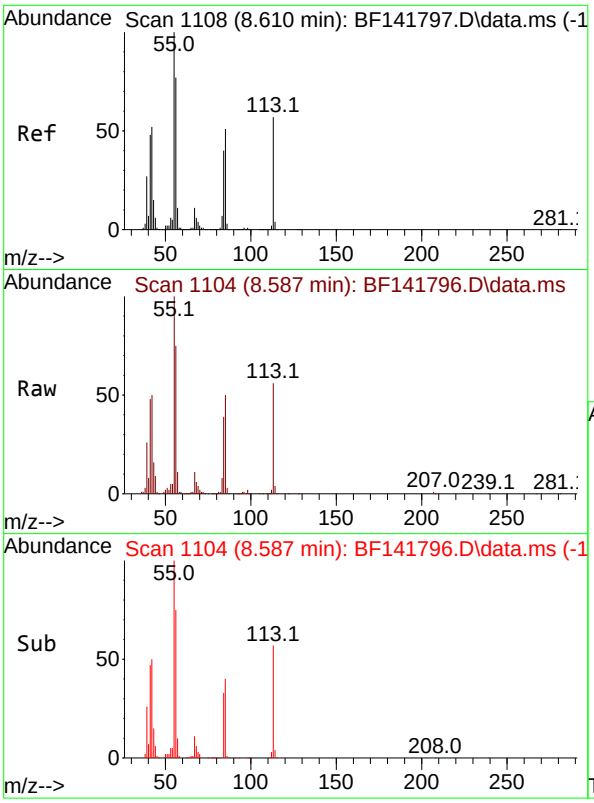


#34
Hexachlorobutadiene
Concen: 20.776 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

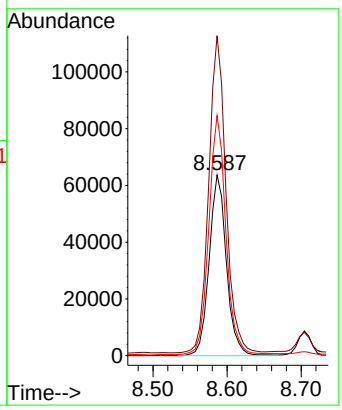
Tgt Ion:113 Resp: 10289

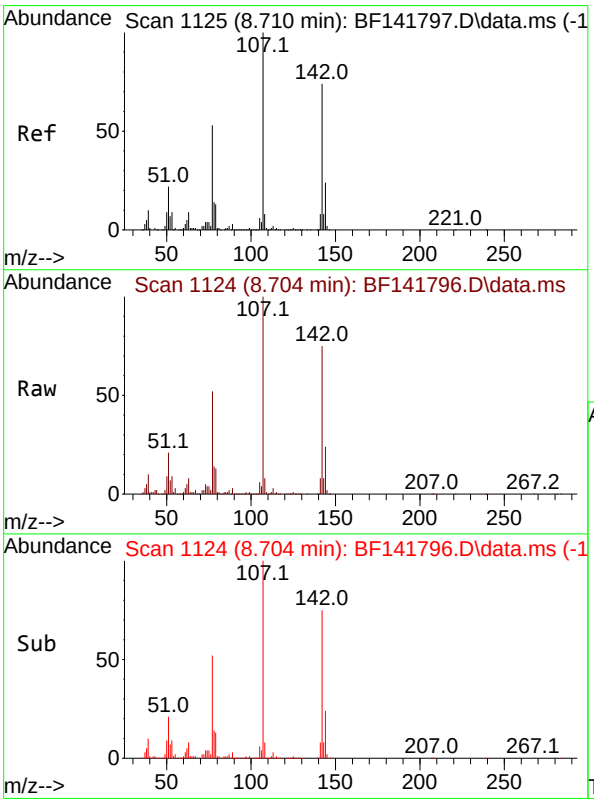
Ion	Ratio	Lower	Upper
113	100		
55	177.2	155.6	195.6
56	132.9	114.6	154.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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

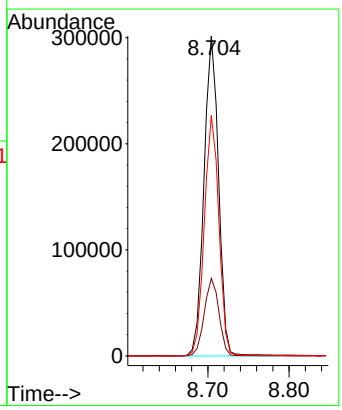


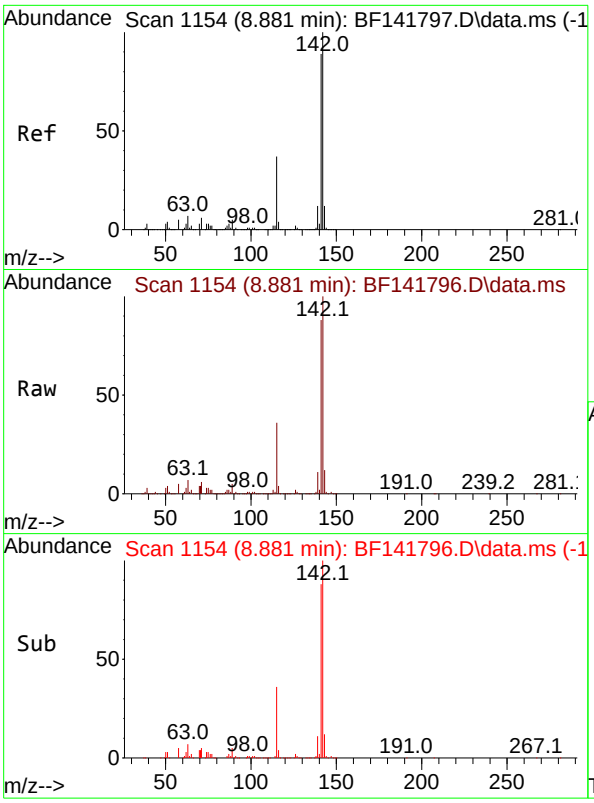


#36
4-Chloro-3-methylphenol
Concen: 20.776 ng
RT: 8.704 min Scan# 1124
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

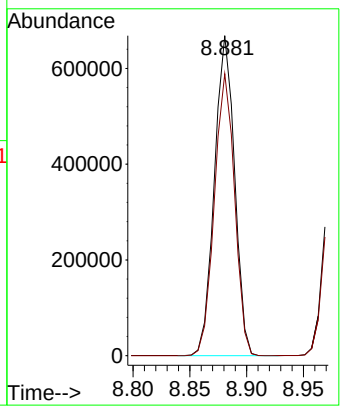




#37
2-Methylnaphthalene
Concen: 21.443 ng
RT: 8.881 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:142 Resp: 82649

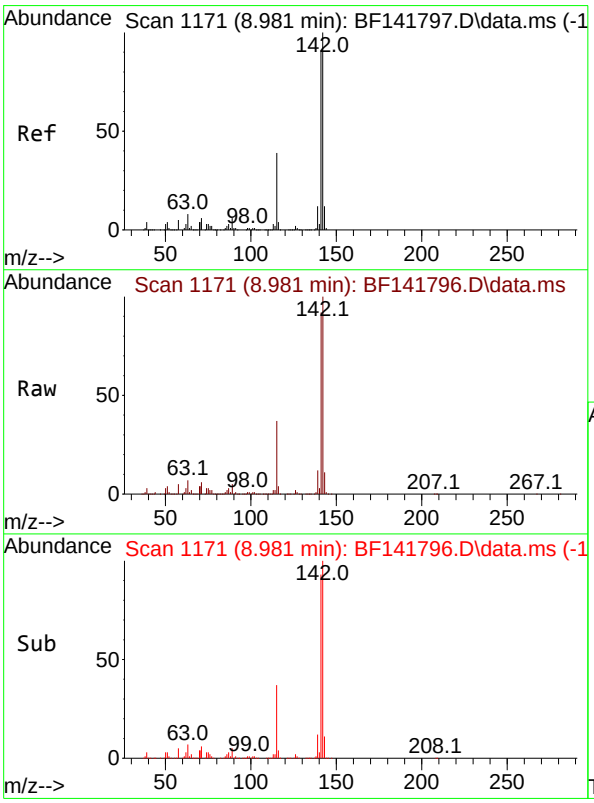
Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.1	106.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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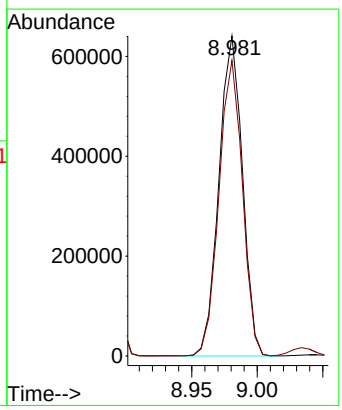
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

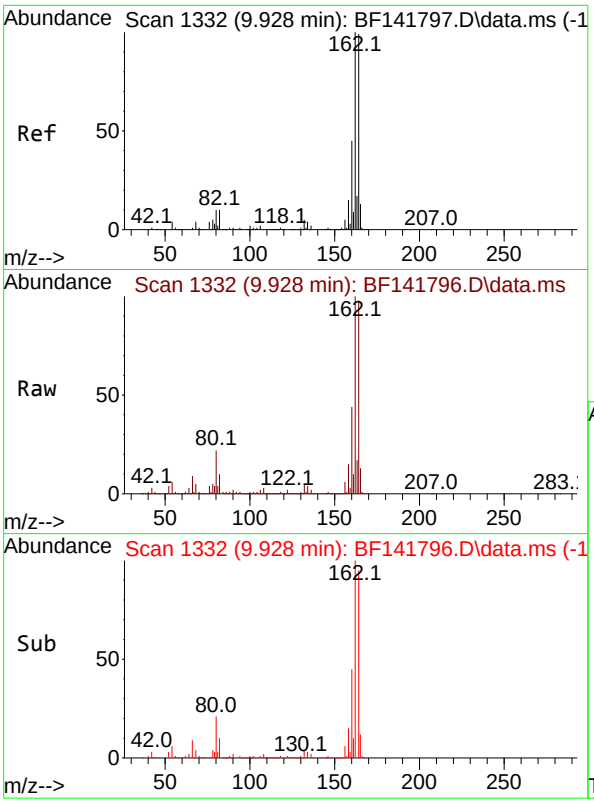


#38
1-Methylnaphthalene
Concen: 21.545 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:142 Resp: 796808

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.1	109.7

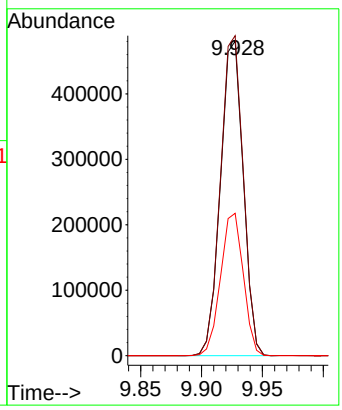




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:164 Resp: 62633

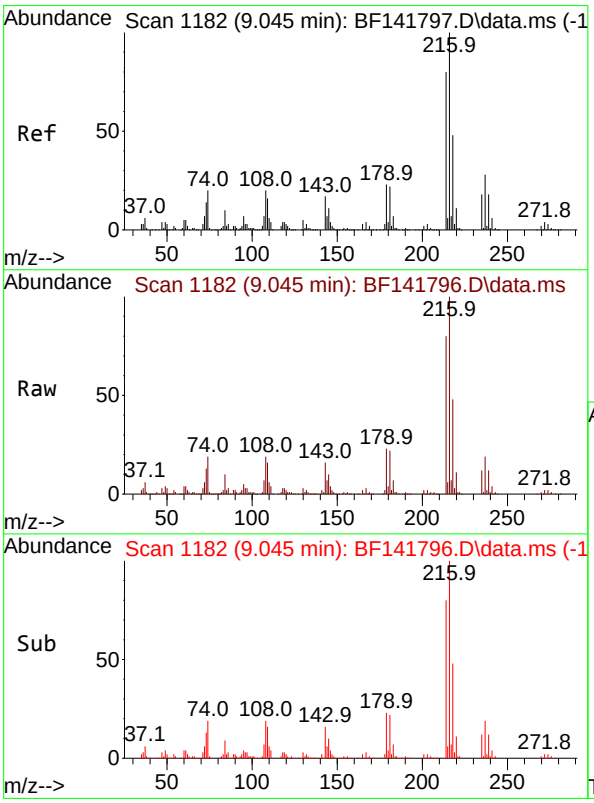
Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.6	120.8
160	45.3	36.3	54.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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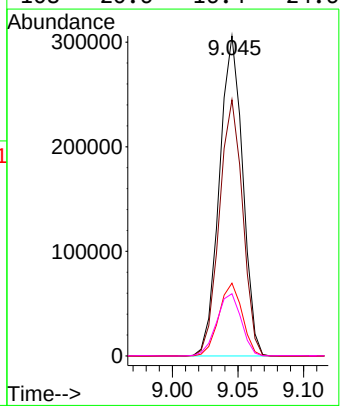
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

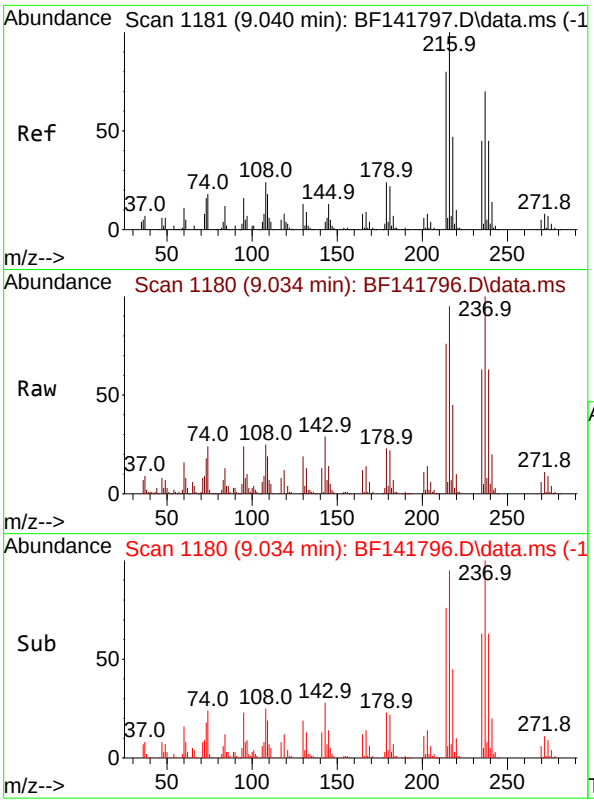


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.861 ng
RT: 9.045 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

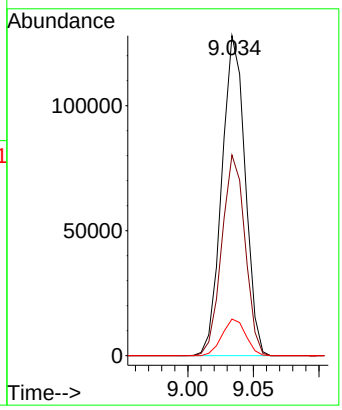
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

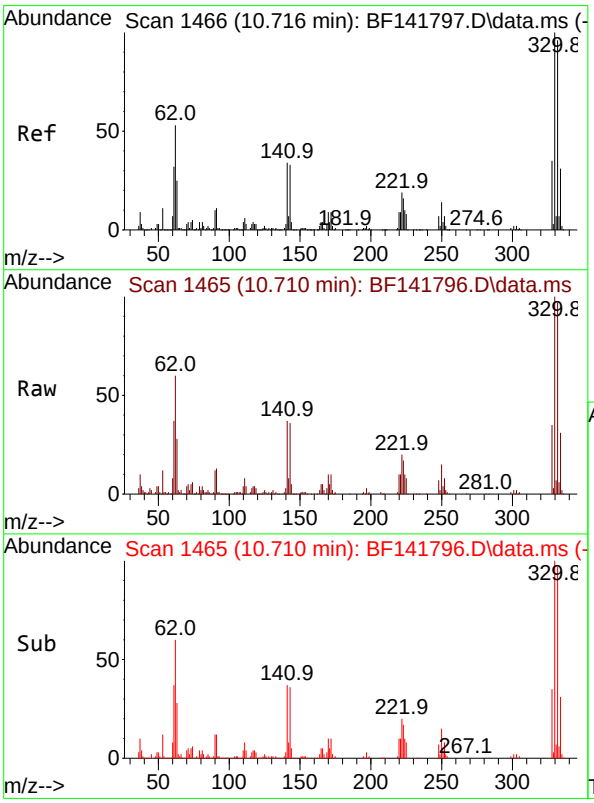
Tgt Ion:237 Resp: 15810

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

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

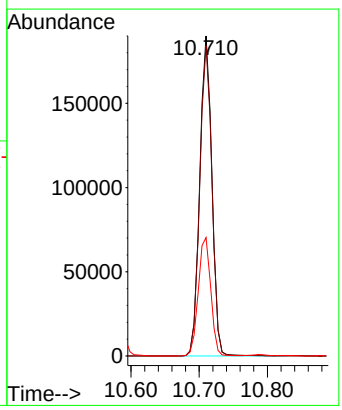


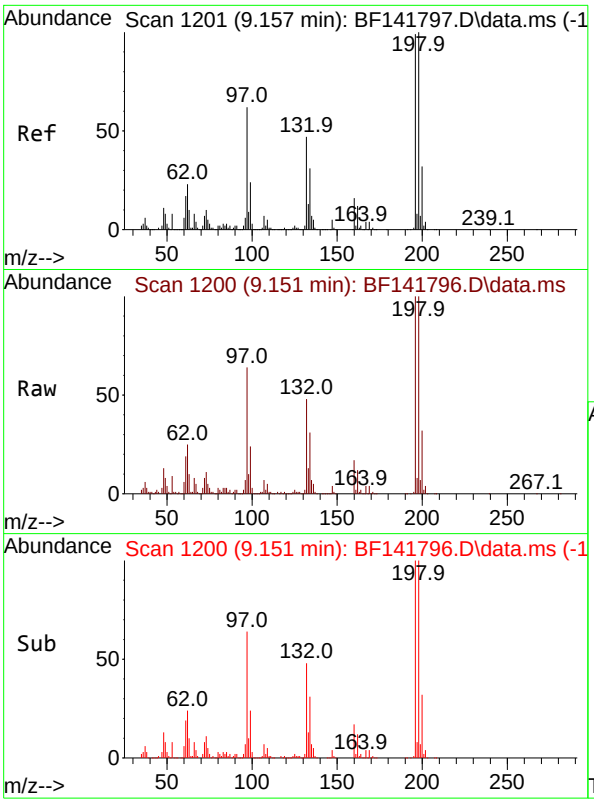


#42
2,4,6-Tribromophenol
Concen: 39.990 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

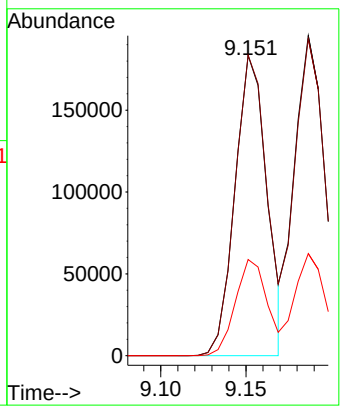
Tgt Ion:196 Resp: 23859

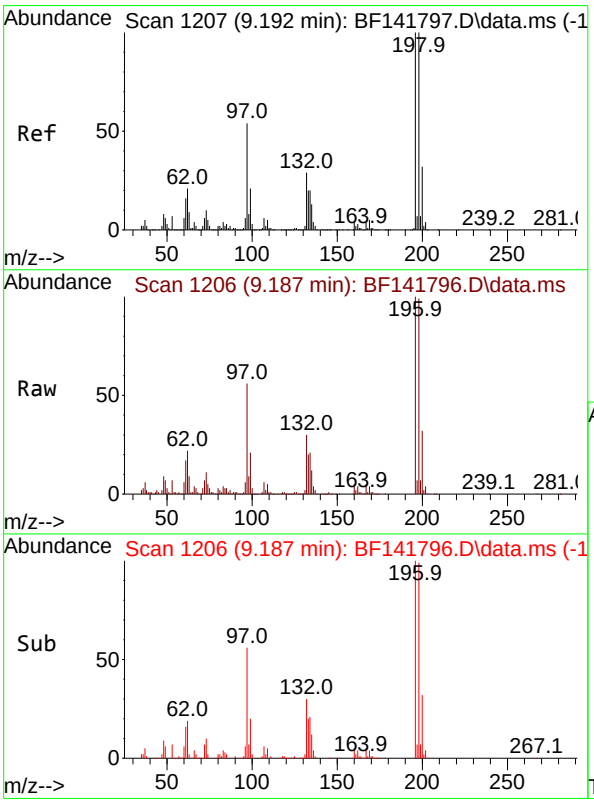
Ion	Ratio	Lower	Upper
196	100		
198	100.1	80.4	120.6
200	32.0	25.7	38.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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

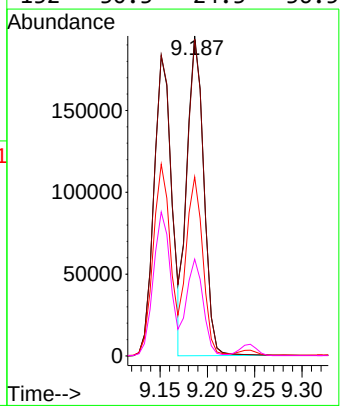


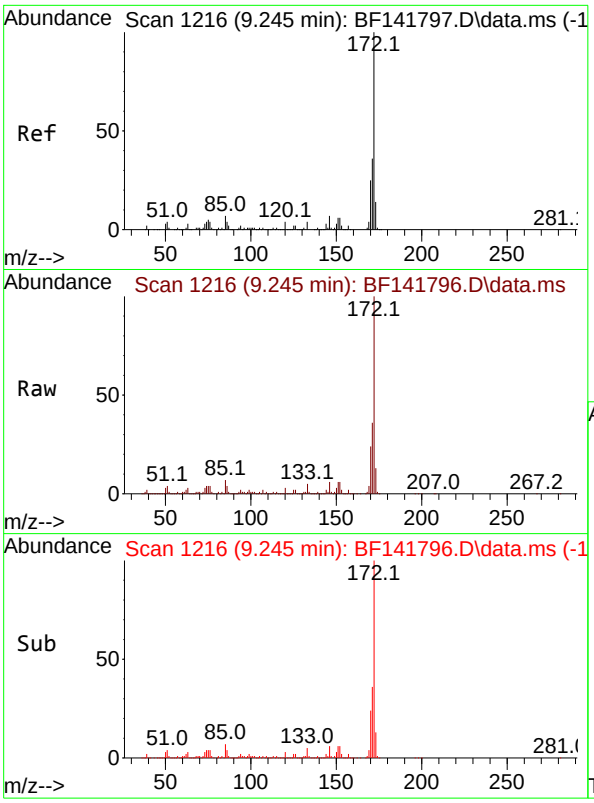


#44
2,4,5-Trichlorophenol
Concen: 20.976 ng
RT: 9.187 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

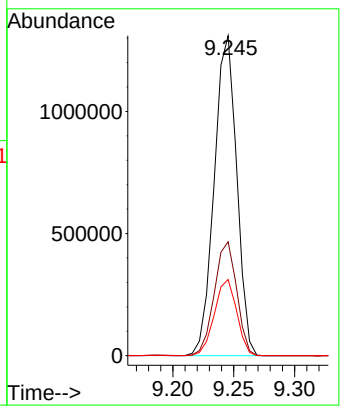




#45
2-Fluorobiphenyl
Concen: 43.170 ng
RT: 9.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:172 Resp: 168631

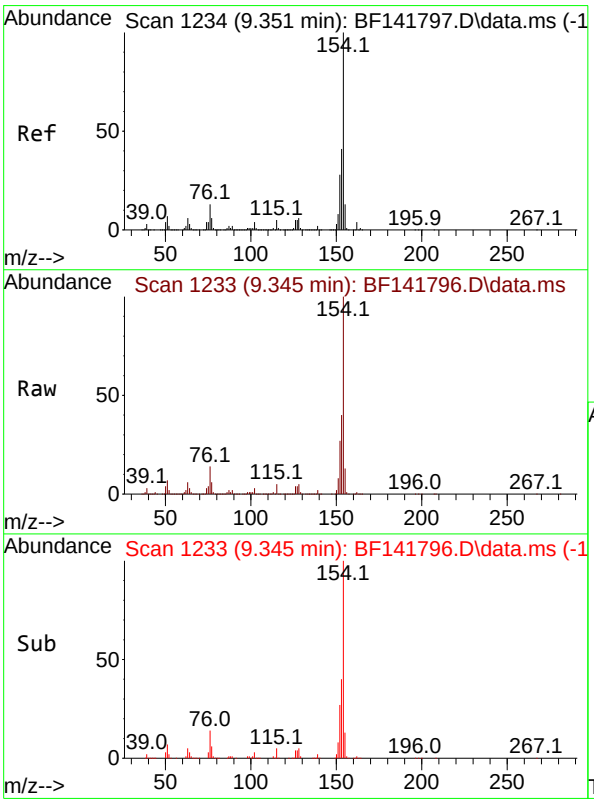
Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.2	43.8
170	23.8	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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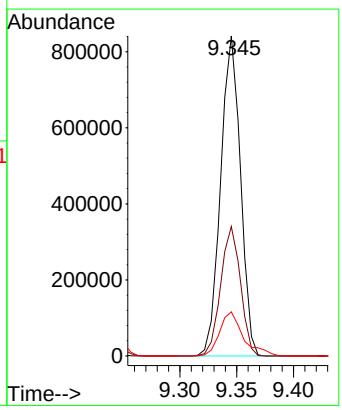
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

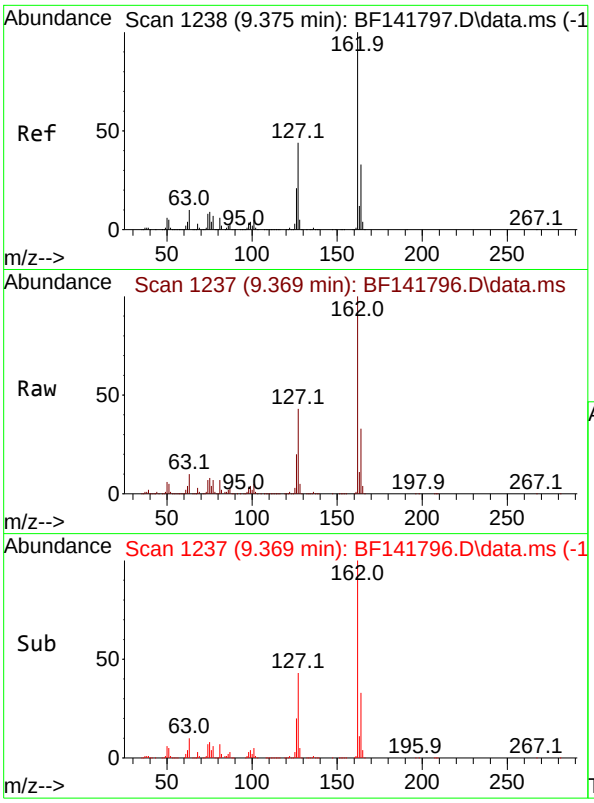


#46
1,1'-Biphenyl
Concen: 21.418 ng
RT: 9.345 min Scan# 1233
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

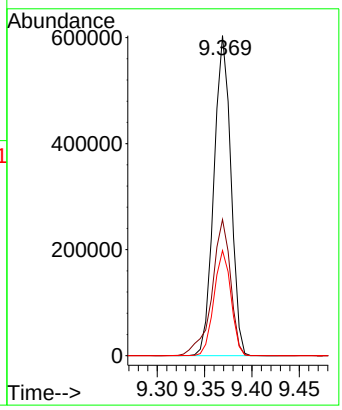




#47
2-Chloronaphthalene
Concen: 21.375 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:162 Resp: 75214

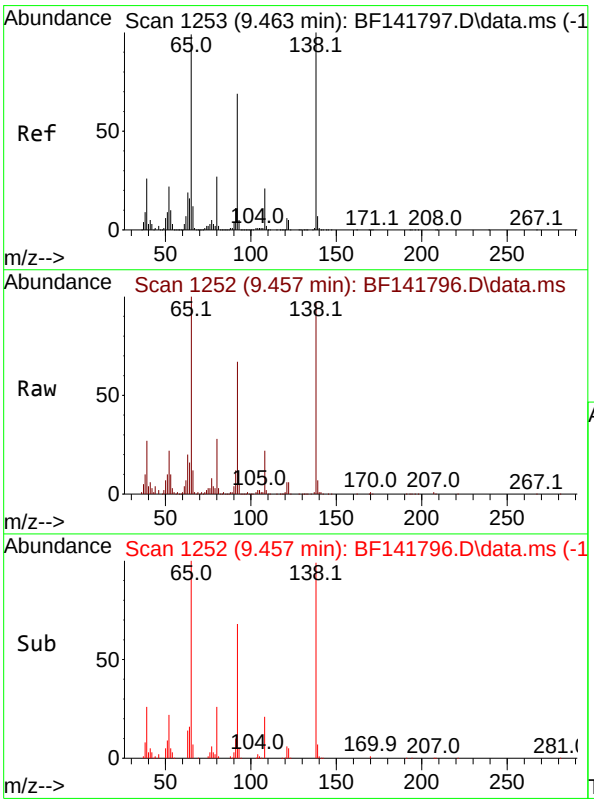
Ion	Ratio	Lower	Upper
162	100		
127	42.5	35.0	52.6
164	32.9	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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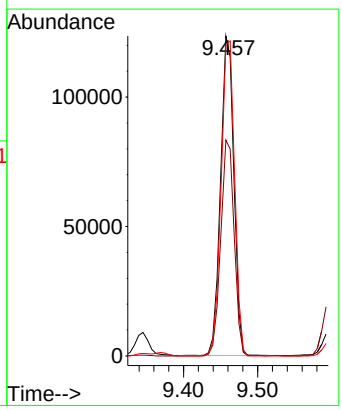
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

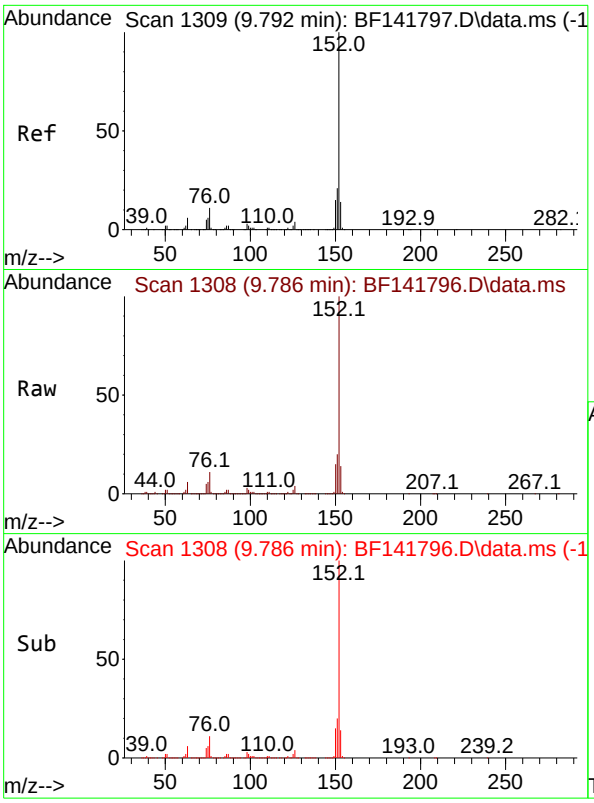


#48
2-Nitroaniline
Concen: 18.870 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

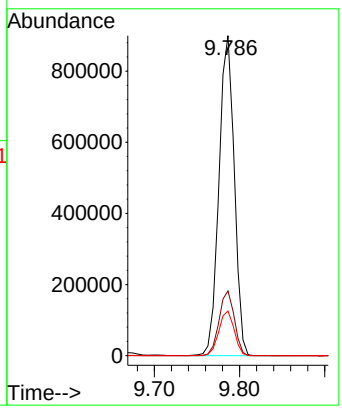




#49
Acenaphthylene
Concen: 21.349 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:152 Resp: 112630

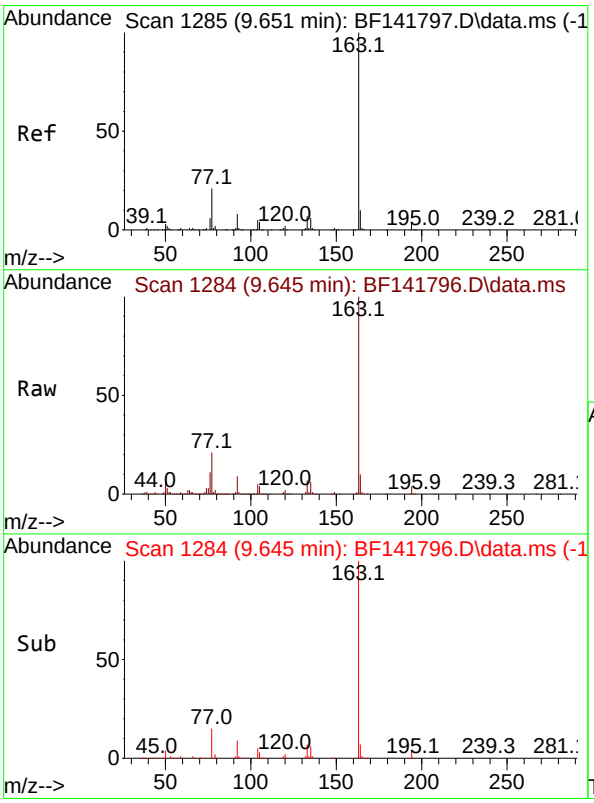
Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.6	24.8
153	13.9	11.2	16.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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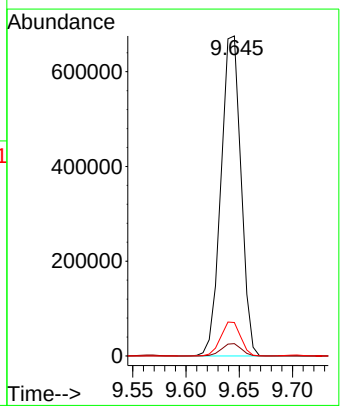
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

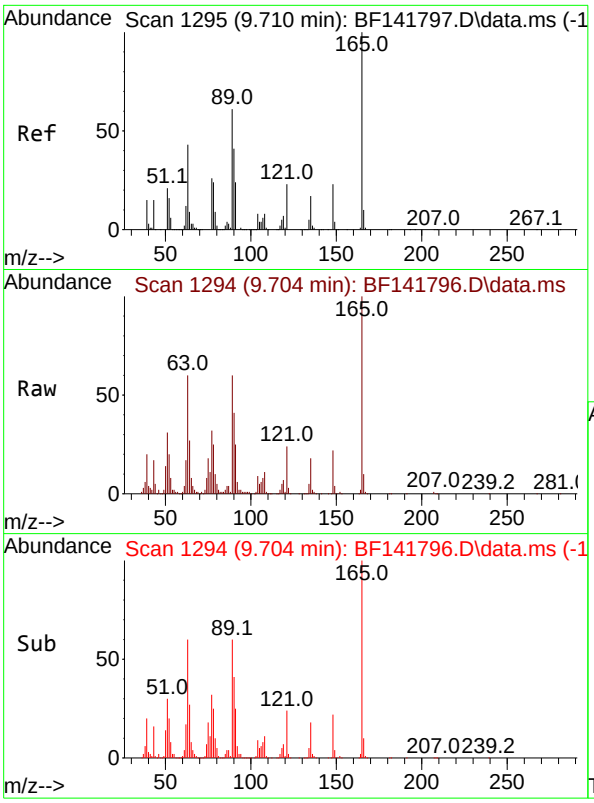


#50
Dimethylphthalate
Concen: 20.977 ng
RT: 9.645 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

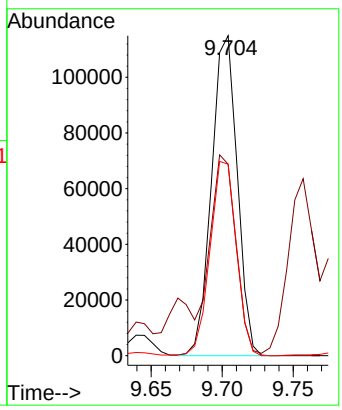
Tgt Ion:165 Resp: 14467

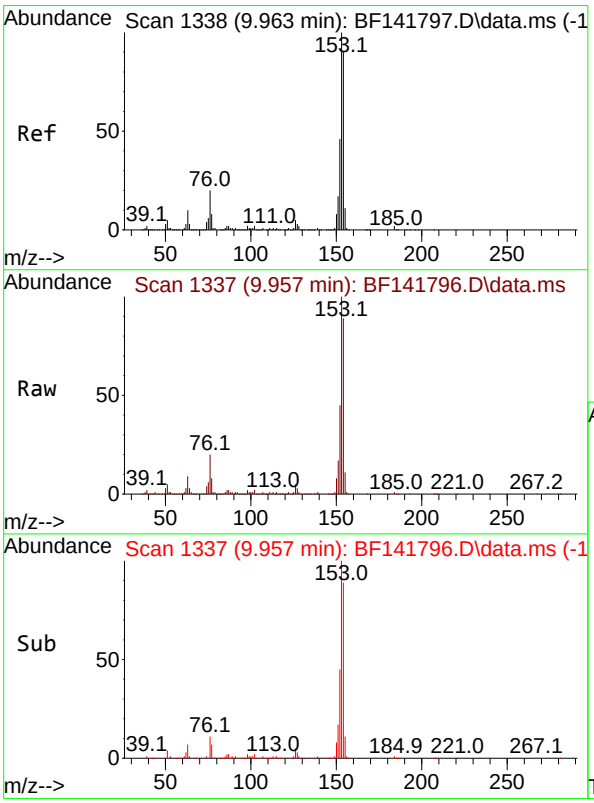
Ion	Ratio	Lower	Upper
165	100		
63	59.9	49.5	74.3
89	59.8	49.0	73.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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

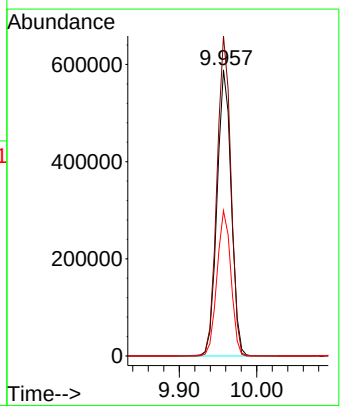


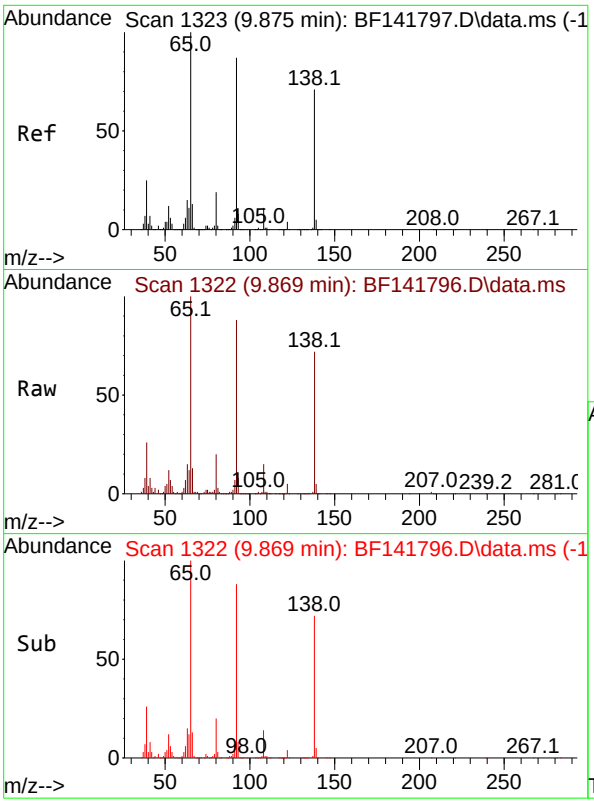


#52
Acenaphthene
Concen: 21.068 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

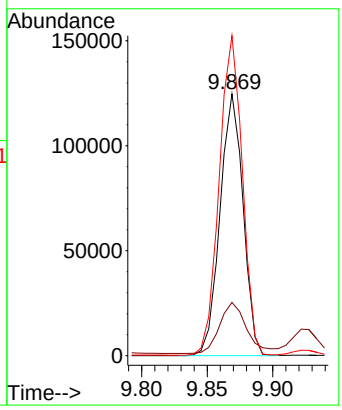
Tgt Ion:138 Resp: 15211

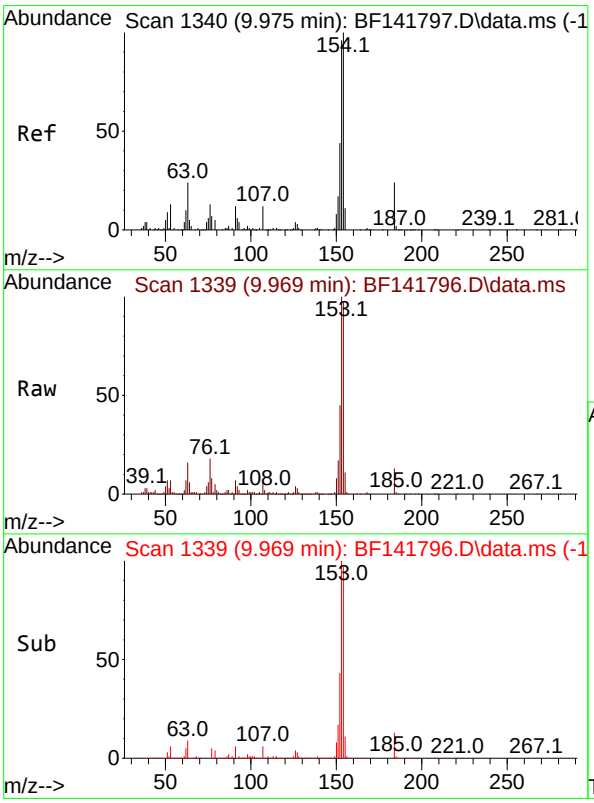
Ion	Ratio	Lower	Upper
138	100		
108	20.3	12.7	19.1#
92	122.3	97.9	146.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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

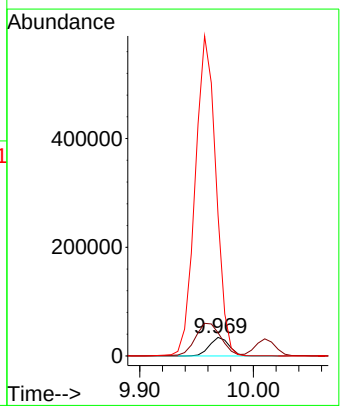


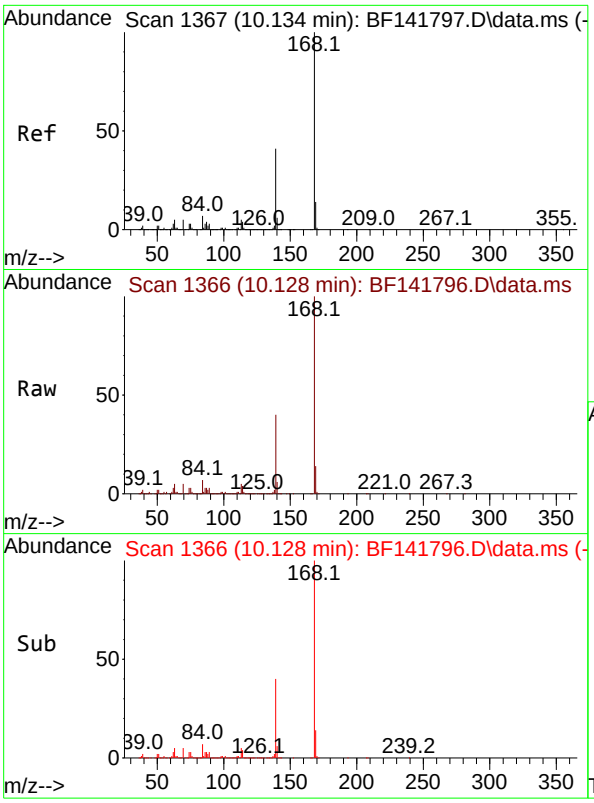


#54
2,4-Dinitrophenol
Concen: 19.116 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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#

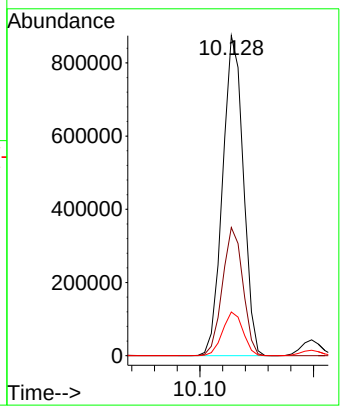




#55
Dibenzofuran
Concen: 21.332 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:168 Resp: 110527

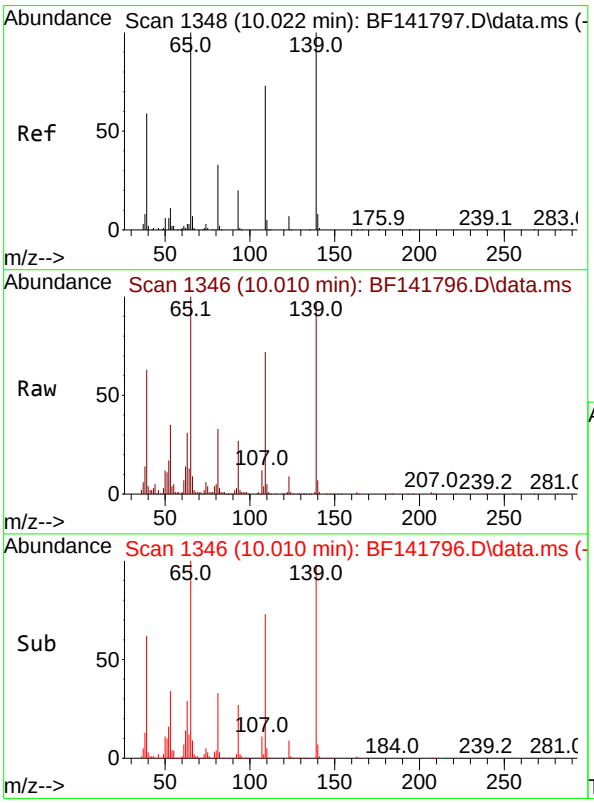
Ion	Ratio	Lower	Upper
168	100		
139	40.1	32.9	49.3
169	13.6	11.1	16.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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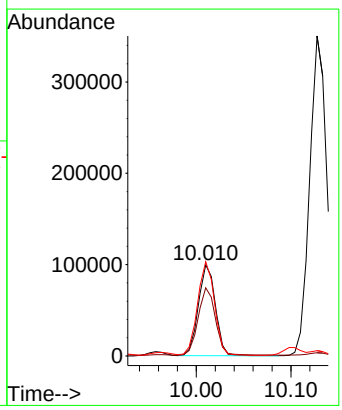
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

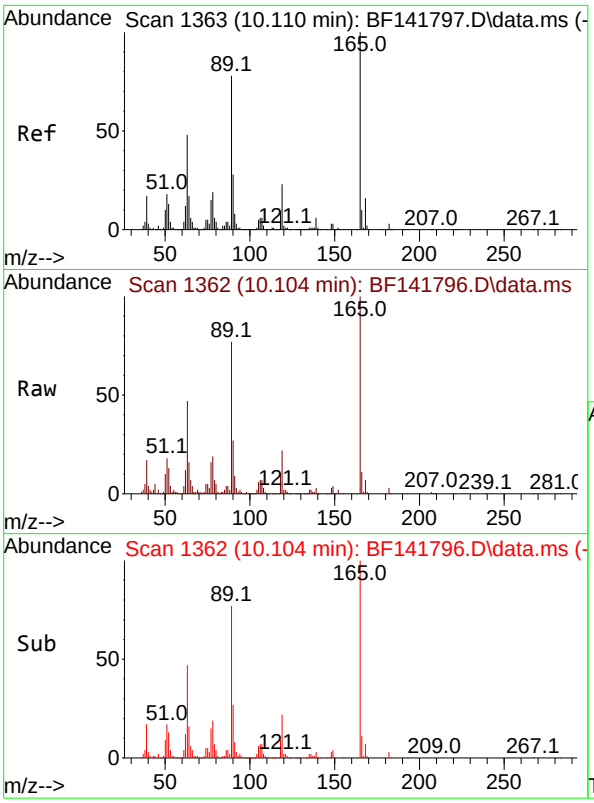


#56
4-Nitrophenol
Concen: 19.922 ng
RT: 10.010 min Scan# 1346
Delta R.T. -0.012 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

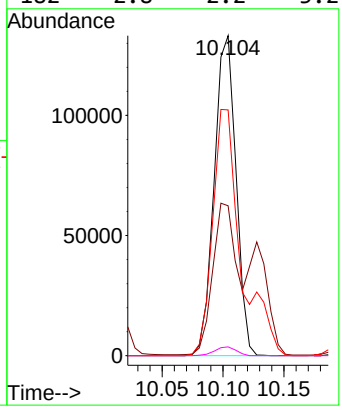




#57
2,4-Dinitrotoluene
Concen: 19.214 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:165 Resp: 16594

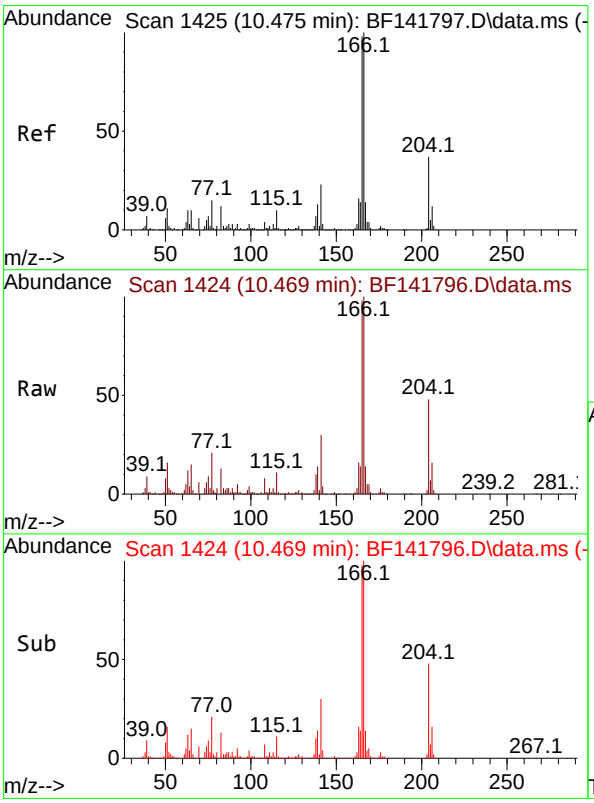
Ion	Ratio	Lower	Upper
165	100		
63	46.9	38.8	58.2
89	76.8	62.6	94.0
182	2.8	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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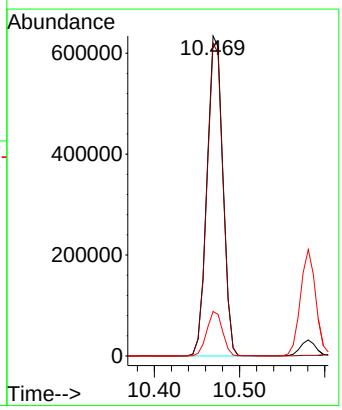
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

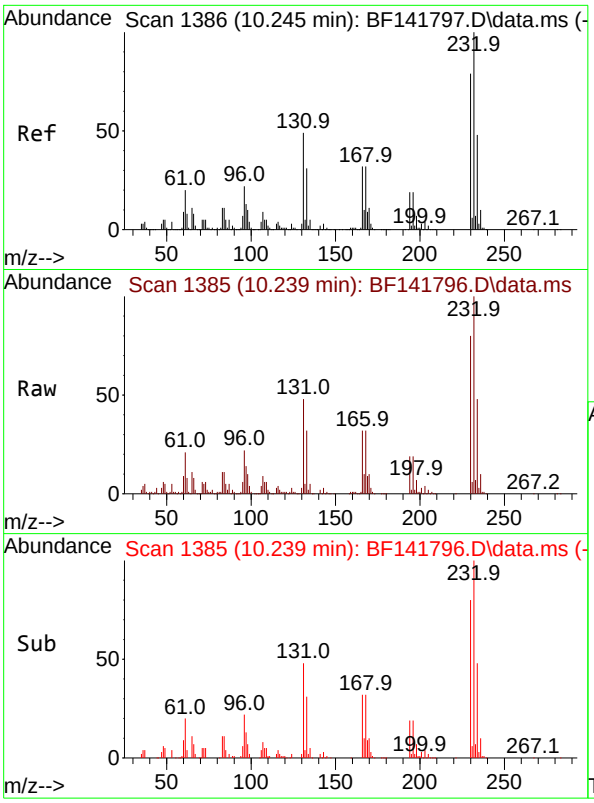


#58
Fluorene
Concen: 21.187 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

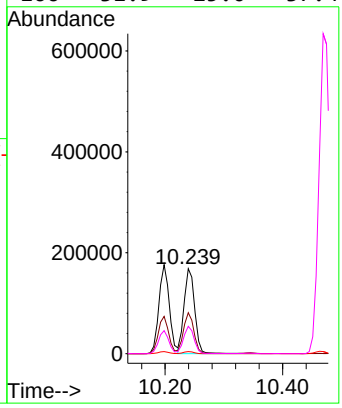




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.902 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:232 Resp: 21033

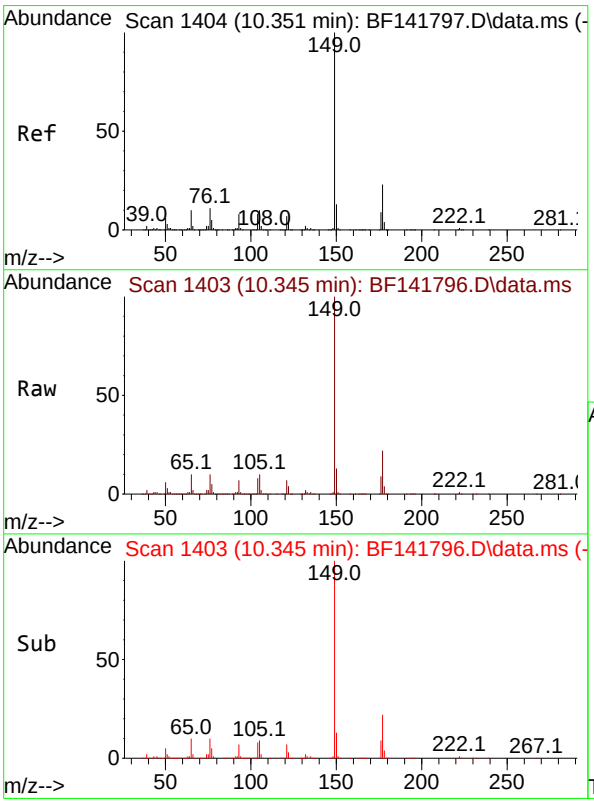
Ion	Ratio	Lower	Upper
232	100		
131	47.6	37.8	56.8
130	2.5	2.0	3.0
166	31.9	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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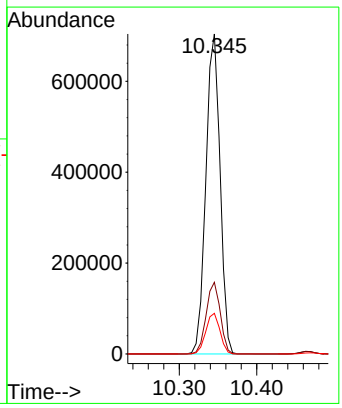
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

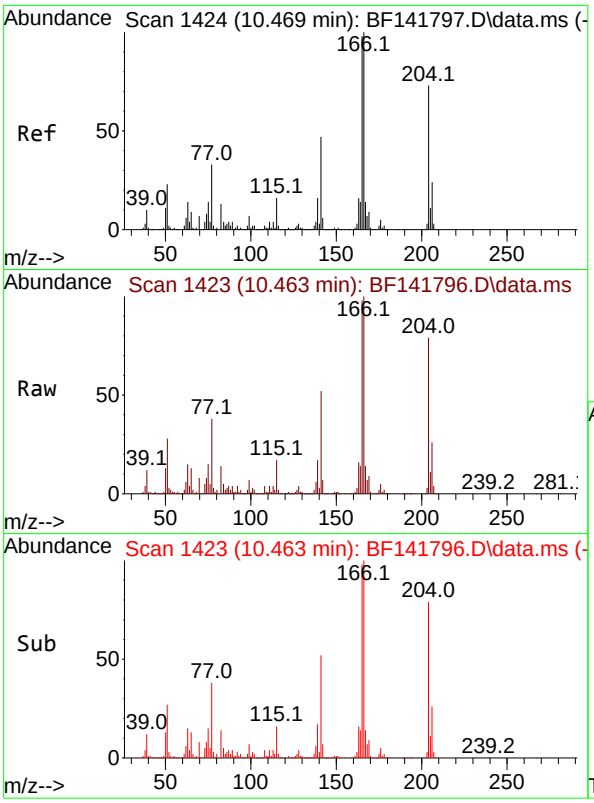


#60
Diethylphthalate
Concen: 21.264 ng
RT: 10.345 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

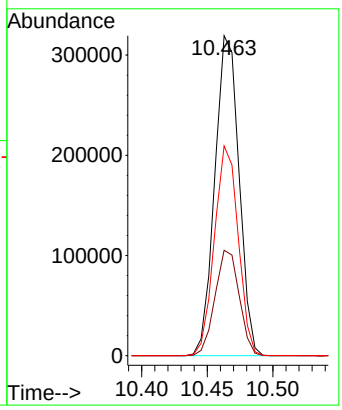




#61
4-Chlorophenyl-phenylether
Concen: 21.069 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:204 Resp: 40969

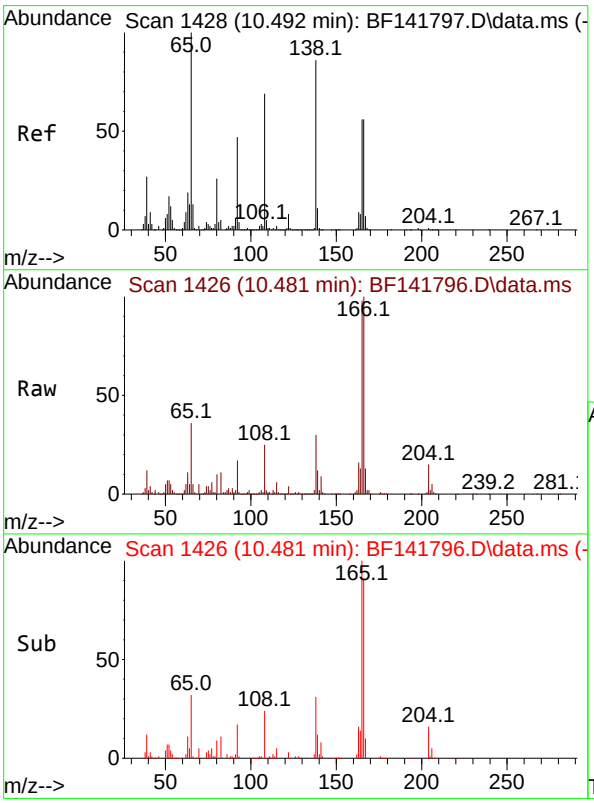
Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.2	39.4
141	65.6	51.7	77.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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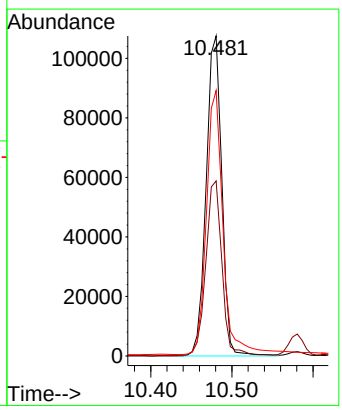
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

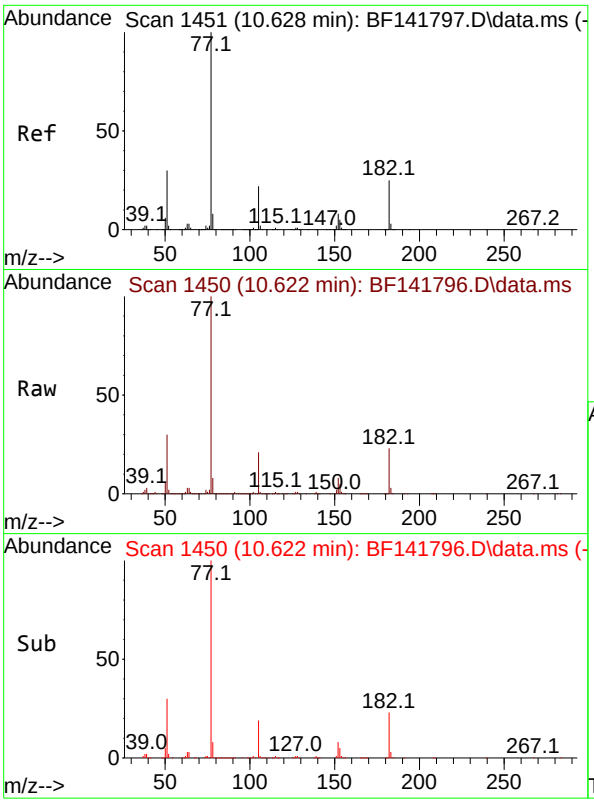


#62
4-Nitroaniline
Concen: 20.031 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

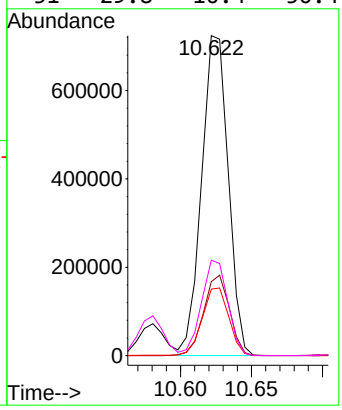




#63
Azobenzene
Concen: 21.288 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 77 Resp: 942499

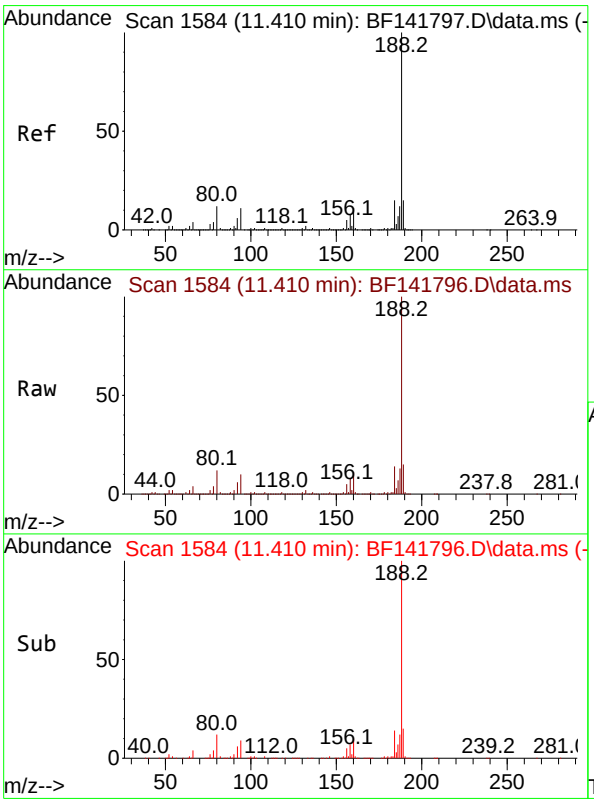
Ion	Ratio	Lower	Upper
77	100		
182	23.2	4.2	44.2
105	20.8	1.5	41.5
51	29.8	10.4	50.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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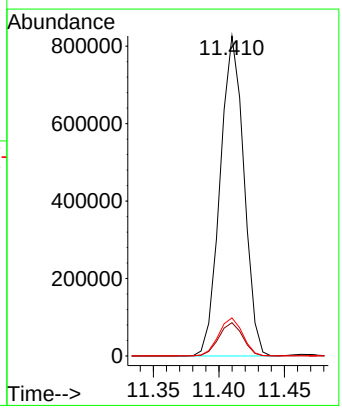
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

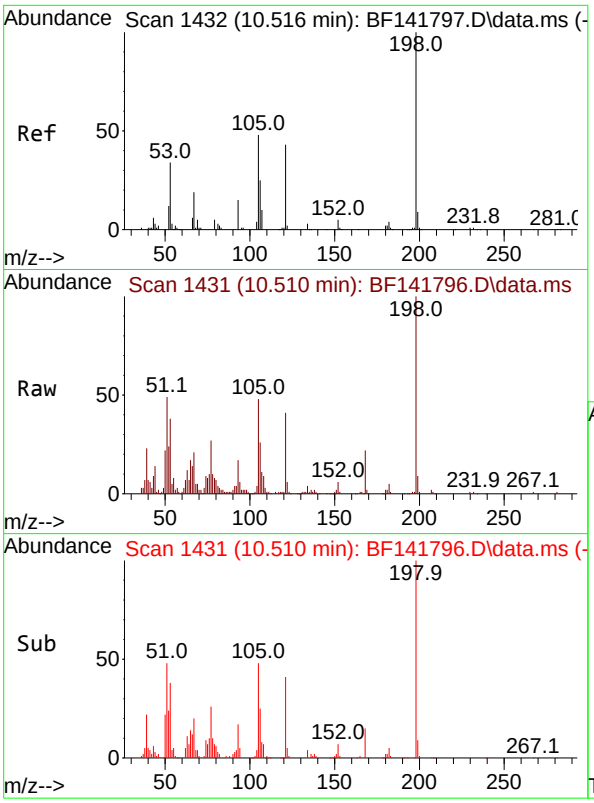


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

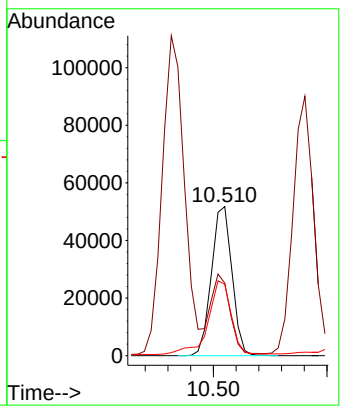
Tgt Ion:198 Resp: 6516

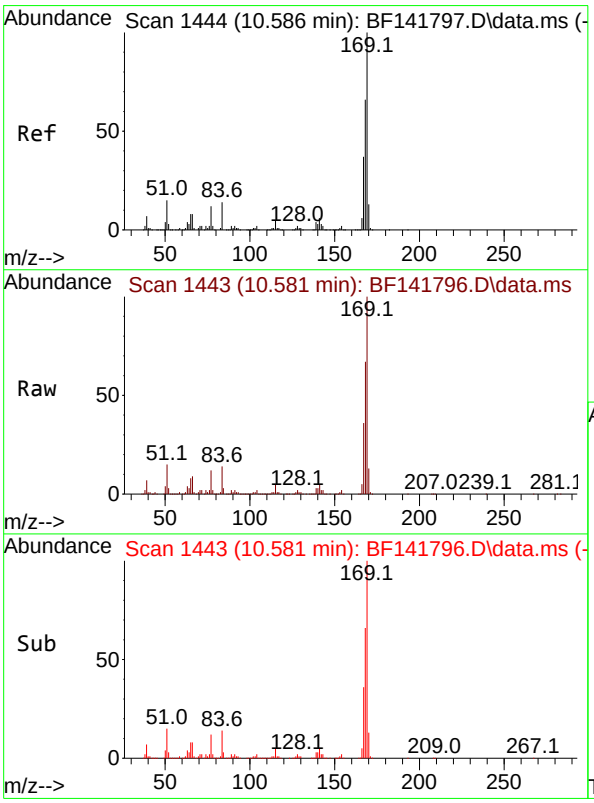
Ion	Ratio	Lower	Upper
198	100		
51	48.7	32.1	72.1
105	47.9	28.5	68.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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

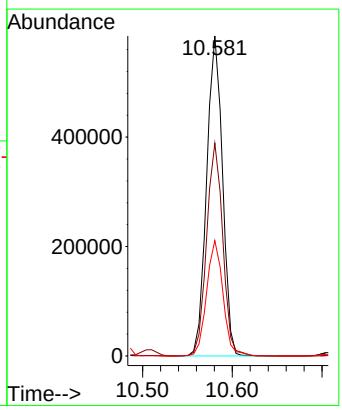


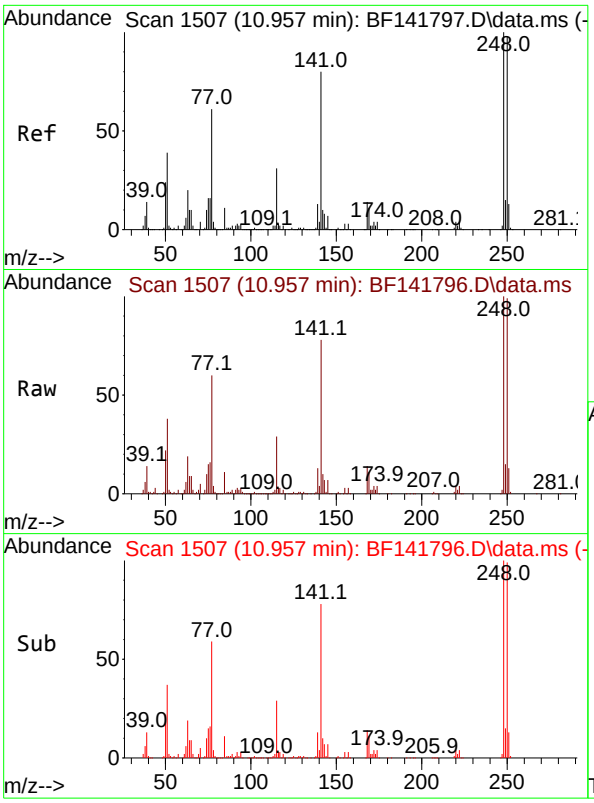


#66
n-Nitrosodiphenylamine
Concen: 20.977 ng
RT: 10.581 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

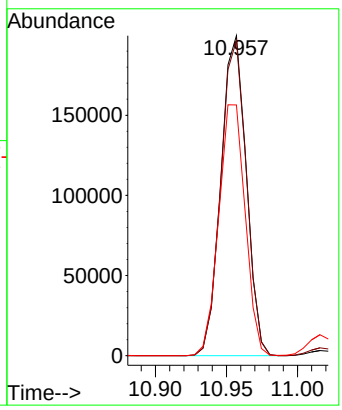




#67
4-Bromophenyl-phenylether
Concen: 20.423 ng
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:248 Resp: 24850

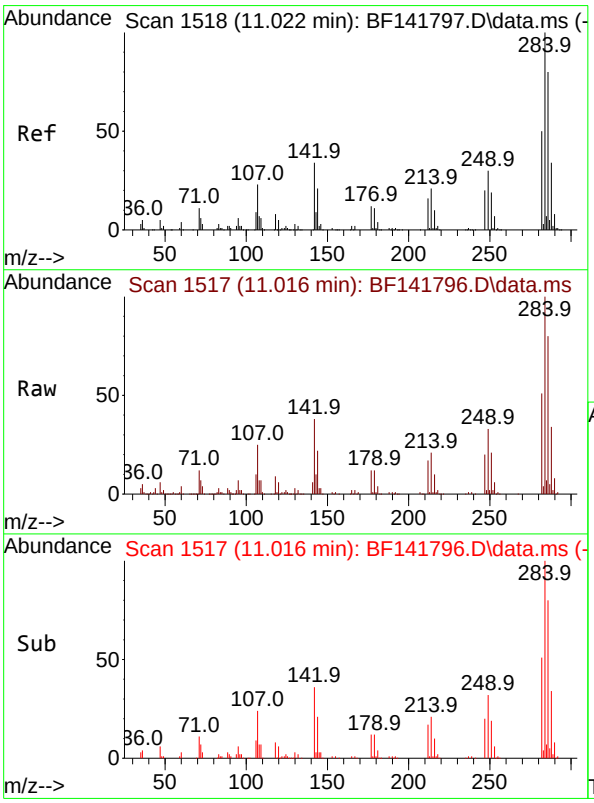
Ion	Ratio	Lower	Upper
248	100		
250	98.6	78.1	117.1
141	78.3	64.3	96.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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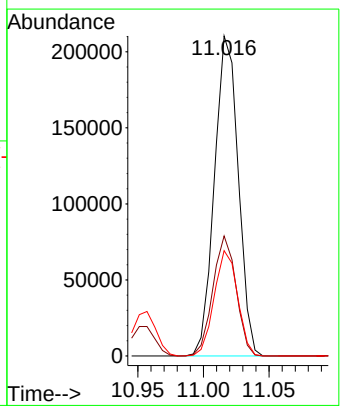
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

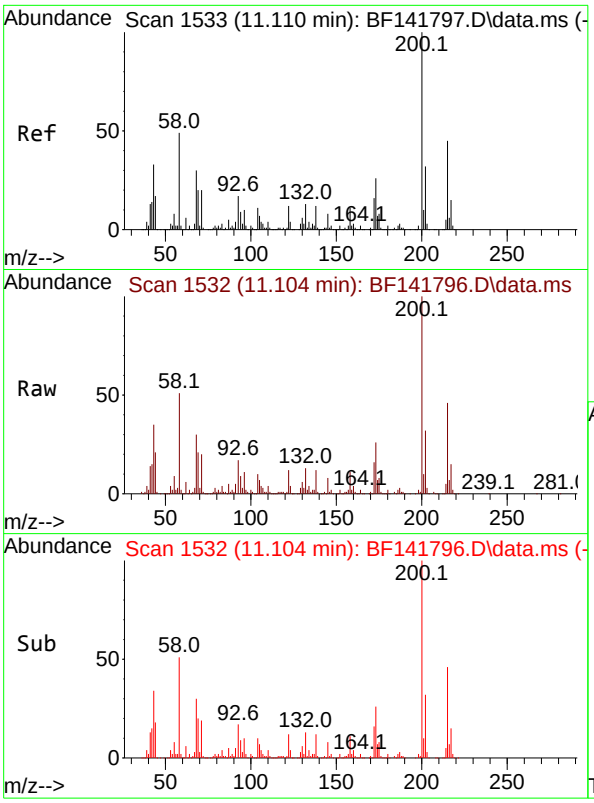


#68
Hexachlorobenzene
Concen: 20.653 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

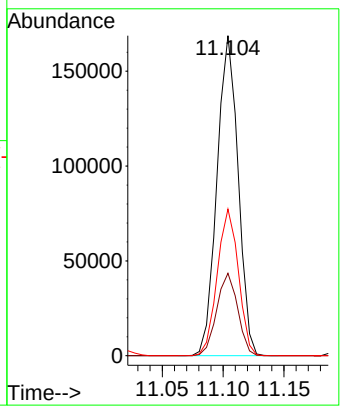
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

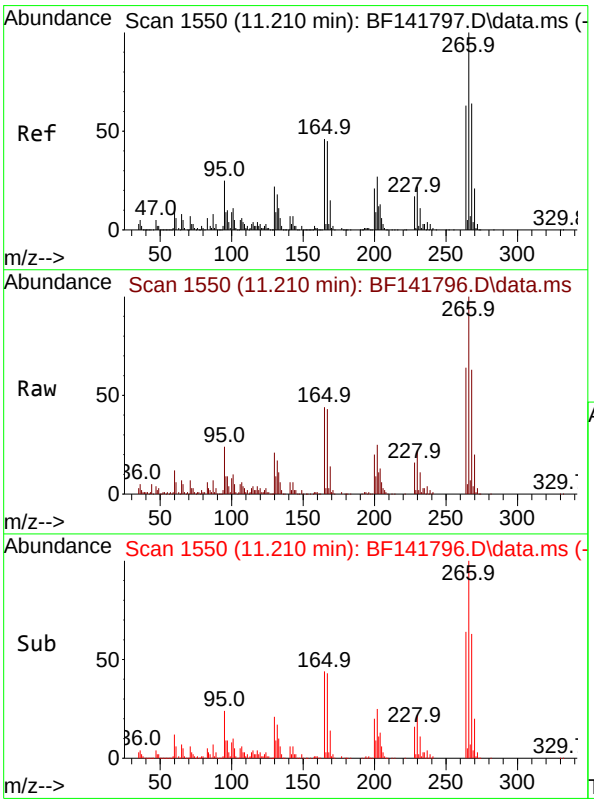
Tgt Ion:200 Resp: 20393

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

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

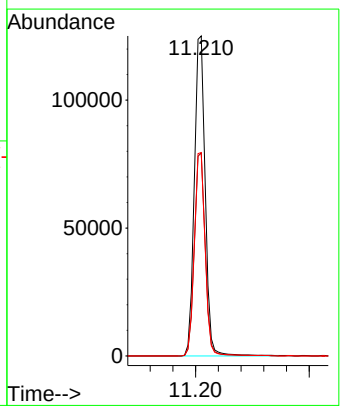


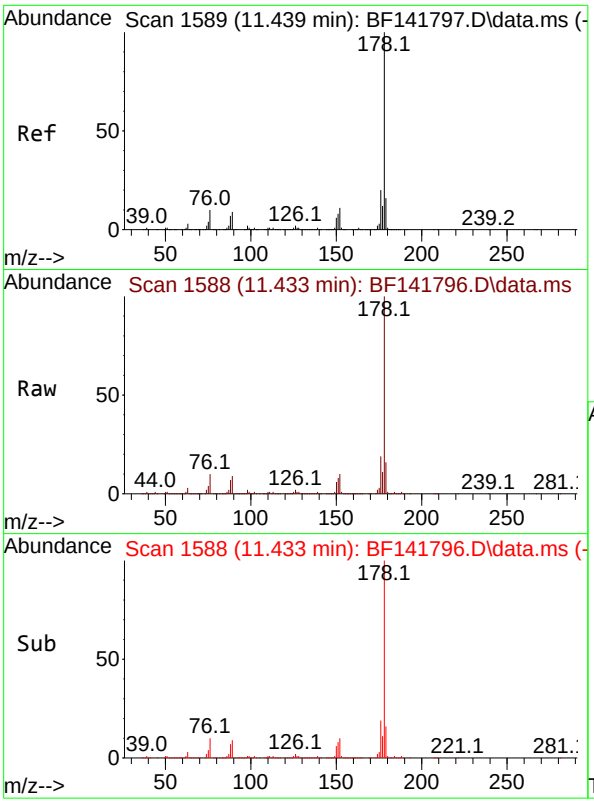


#70
Pentachlorophenol
Concen: 20.521 ng
RT: 11.210 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

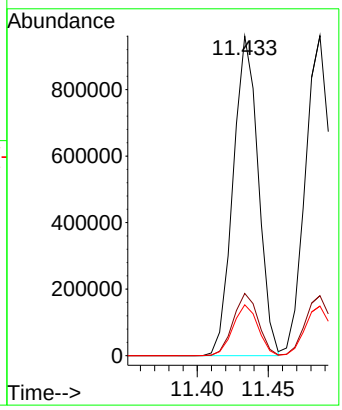




#71
Phenanthrene
Concen: 21.209 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:178 Resp: 118176

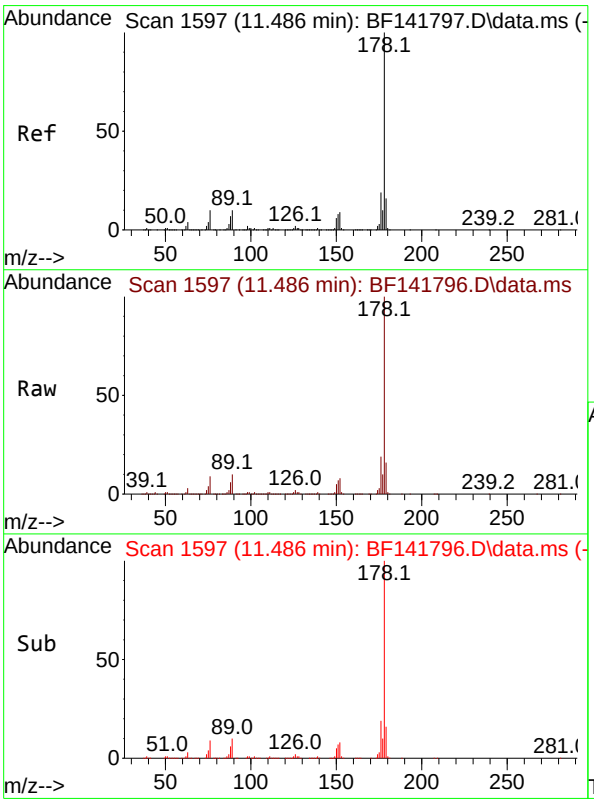
Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.0	24.0
179	15.9	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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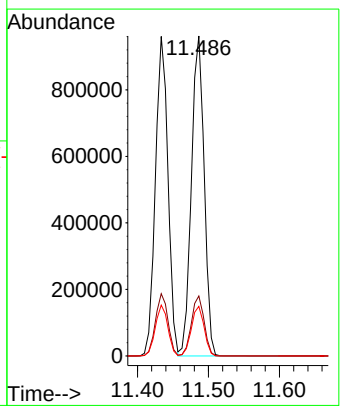
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

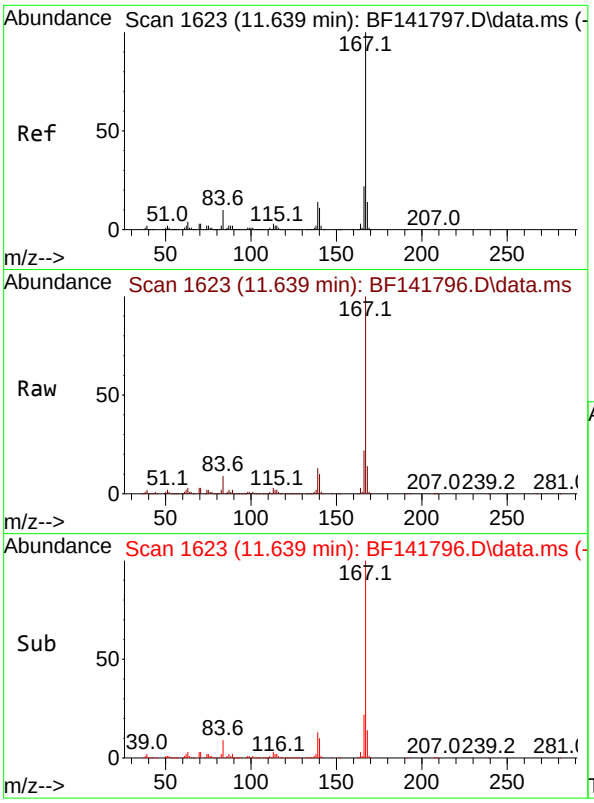


#72
Anthracene
Concen: 21.554 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

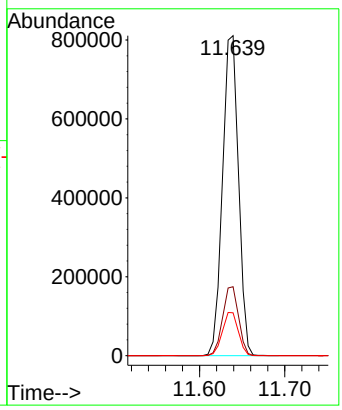




#73
Carbazole
Concen: 21.416 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:167 Resp: 105614

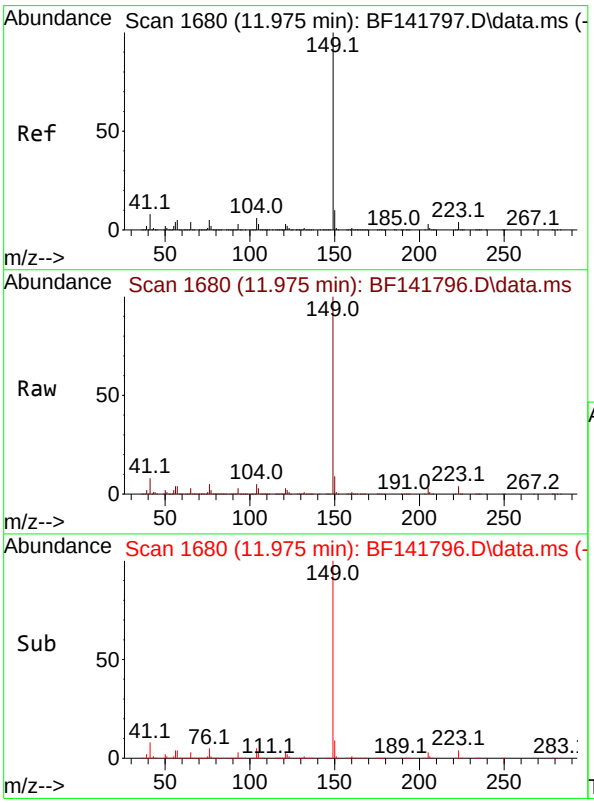
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.5	26.3
139	13.4	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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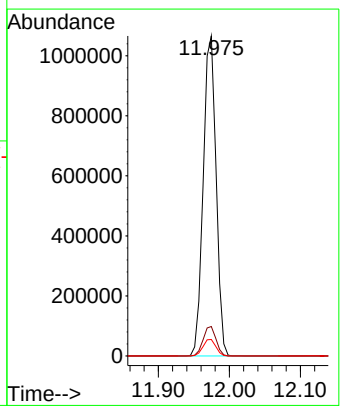
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

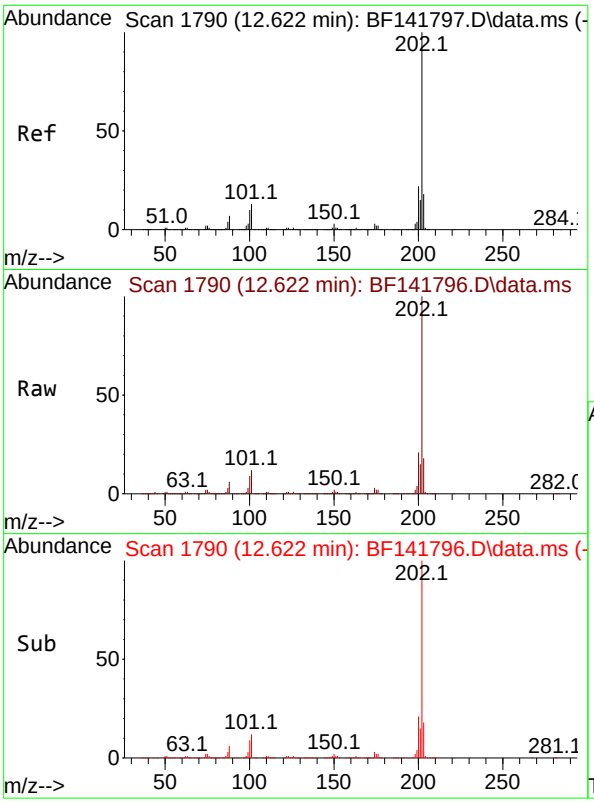


#74
Di-n-butylphthalate
Concen: 21.518 ng
RT: 11.975 min Scan# 1680
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

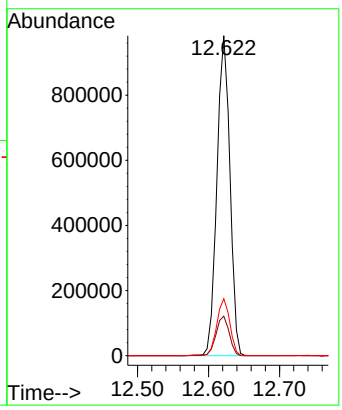




#75
Fluoranthene
Concen: 21.753 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:202 Resp: 124203

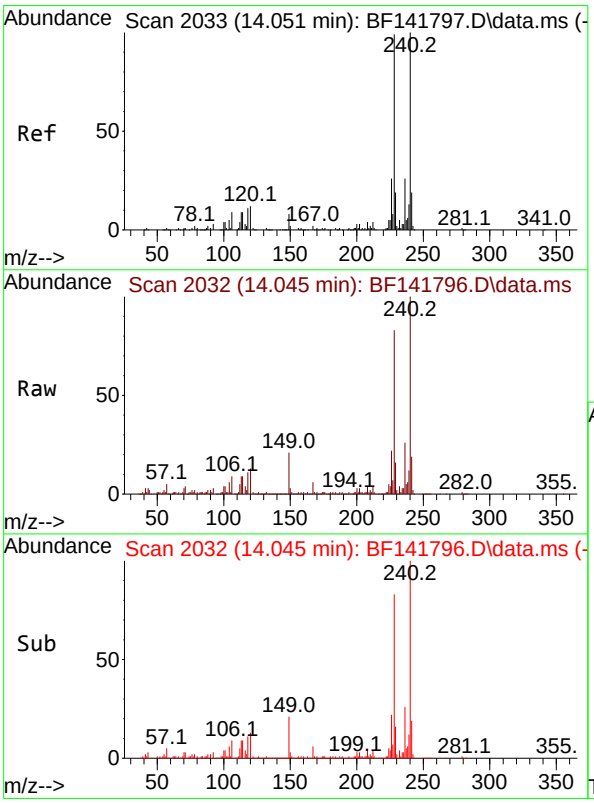
Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	32.8
203	17.8	0.0	38.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

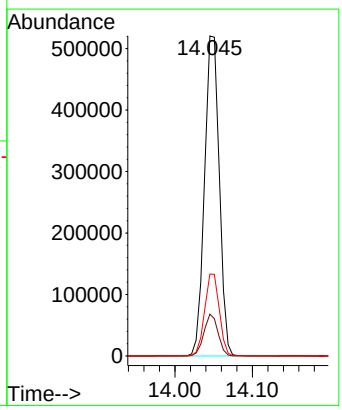
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

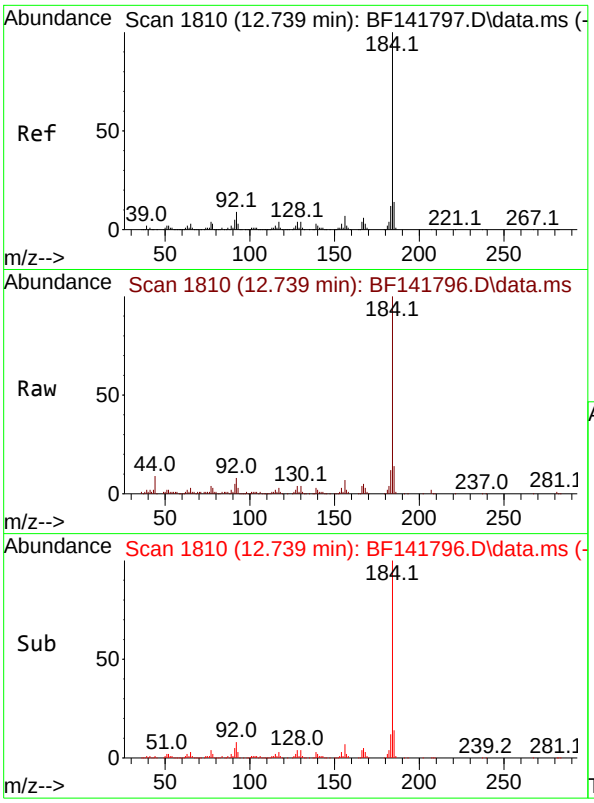


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

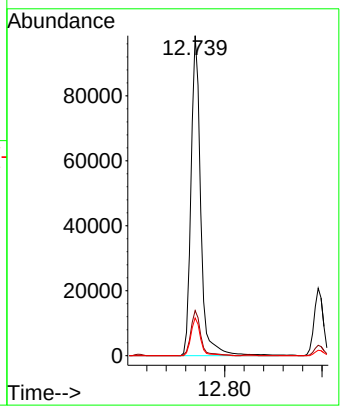




#77
Benzidine
Concen: 15.752 ng
RT: 12.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:184 Resp: 13652

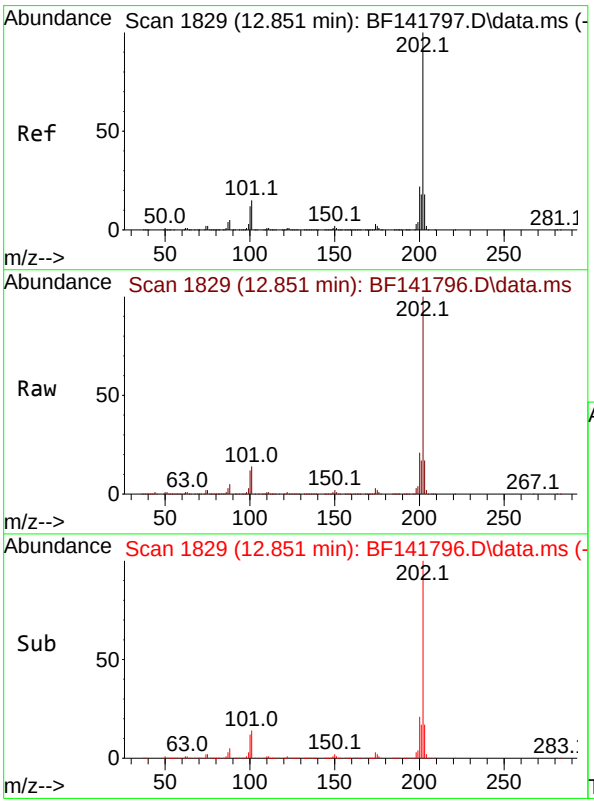
Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.6	17.4
183	11.8	9.4	14.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

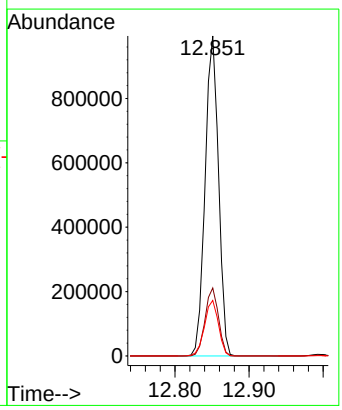
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

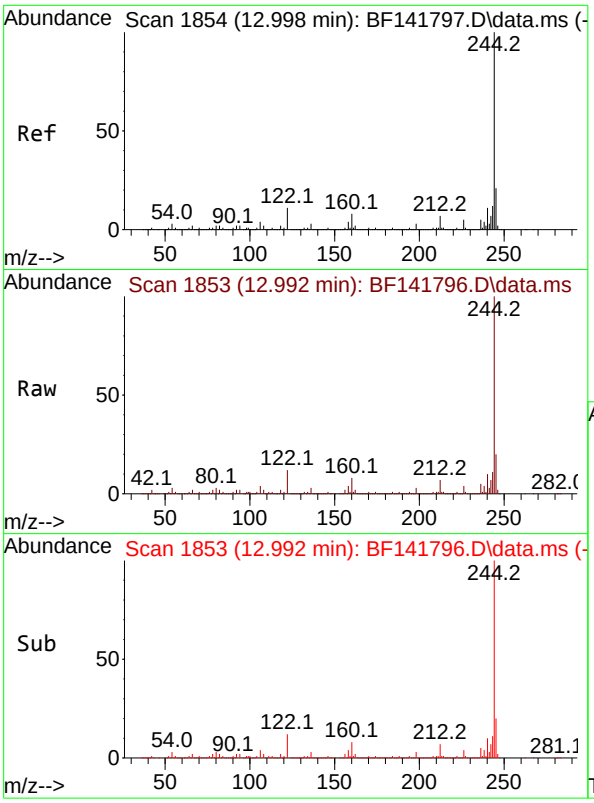


#78
Pyrene
Concen: 20.957 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

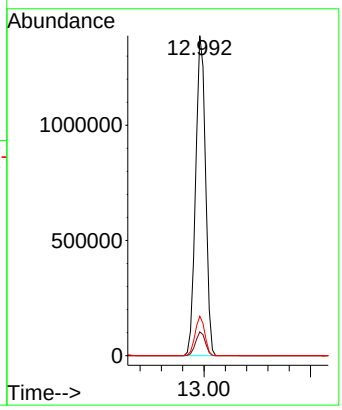




#79
Terphenyl-d14
Concen: 41.959 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:244 Resp: 178580

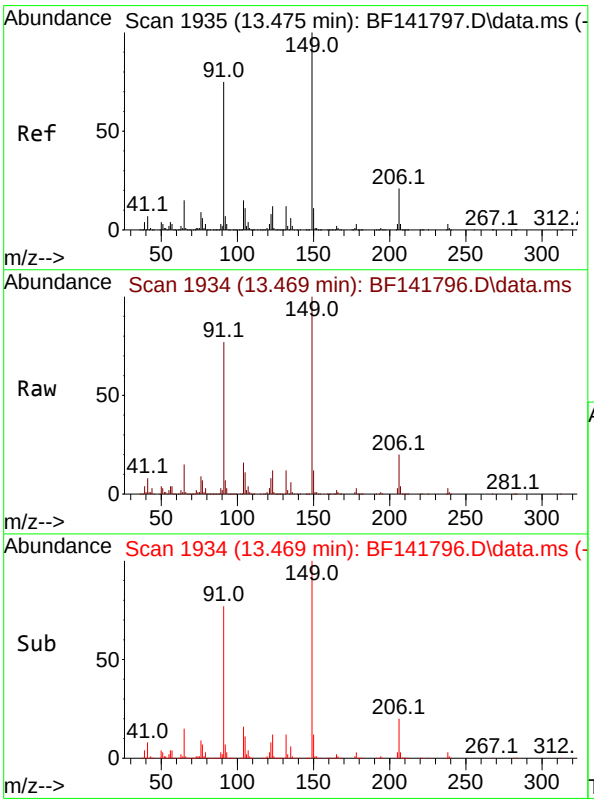
Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	12.4	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

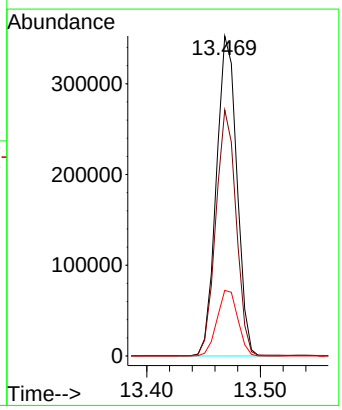
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

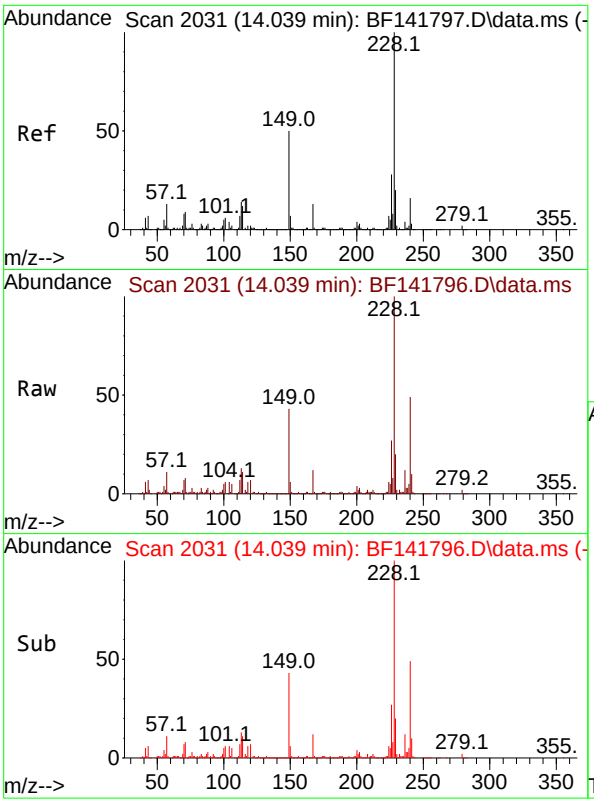


#80
Butylbenzylphthalate
Concen: 20.434 ng
RT: 13.469 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

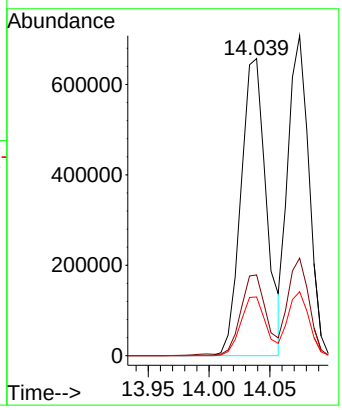




#81
Benzo(a)anthracene
Concen: 20.956 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:228 Resp: 95314

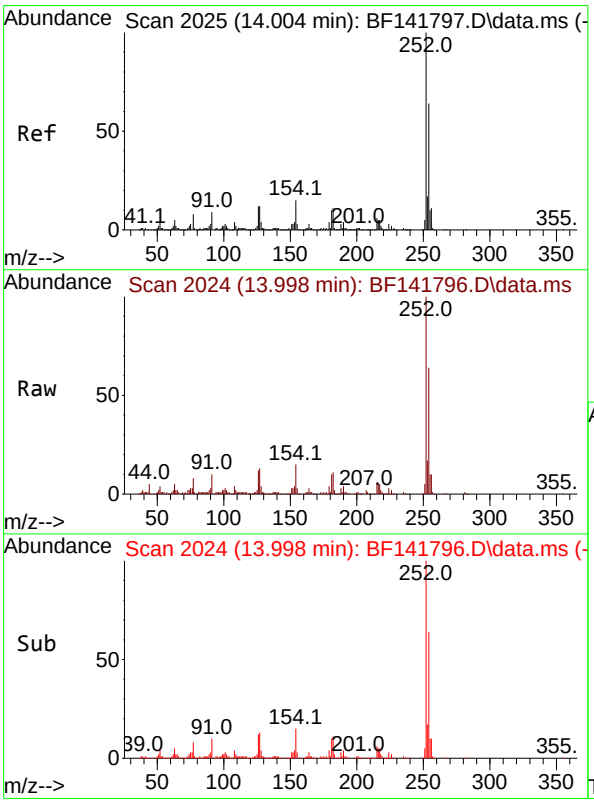
Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.1	33.1
229	19.8	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

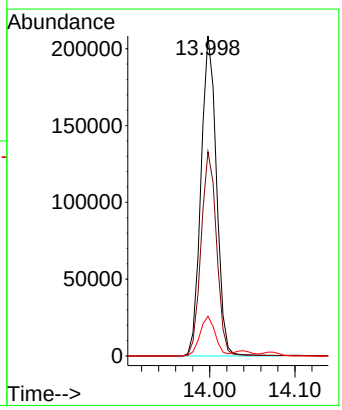
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

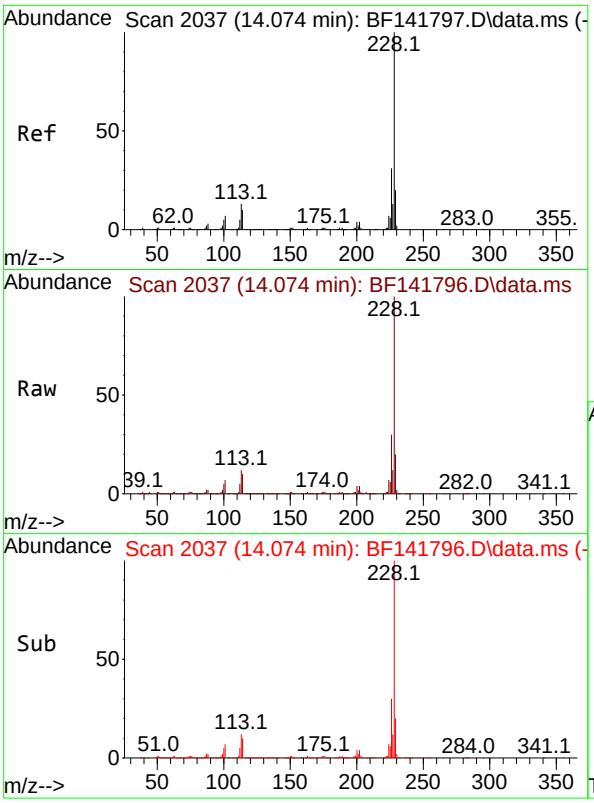


#82
3,3'-Dichlorobenzidine
Concen: 20.132 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

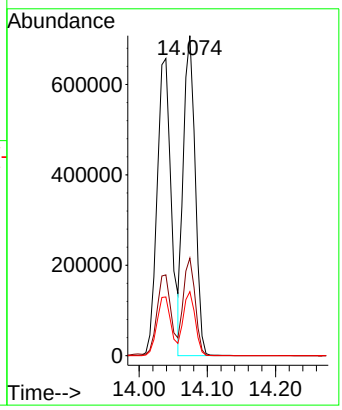




#83
Chrysene
Concen: 20.288 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:228 Resp: 85064

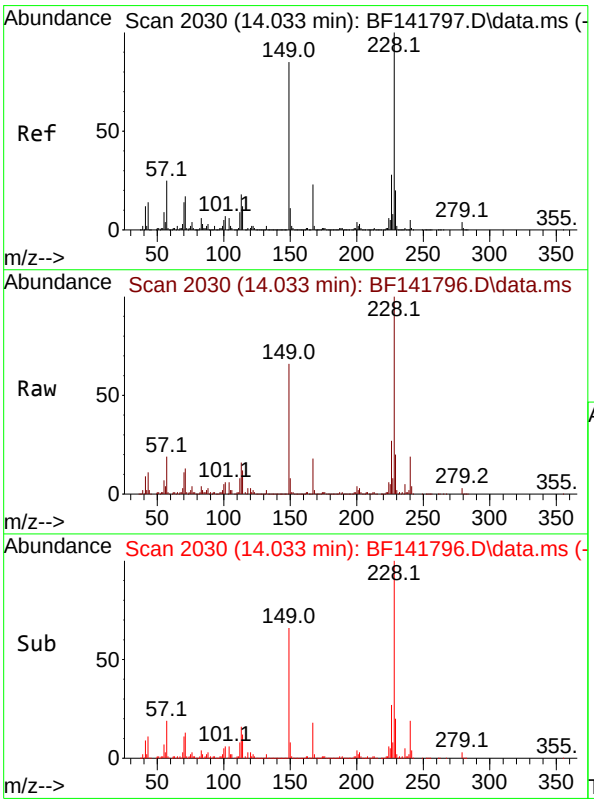
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.6	37.0
229	20.0	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

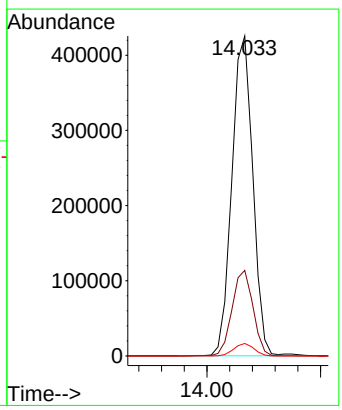
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

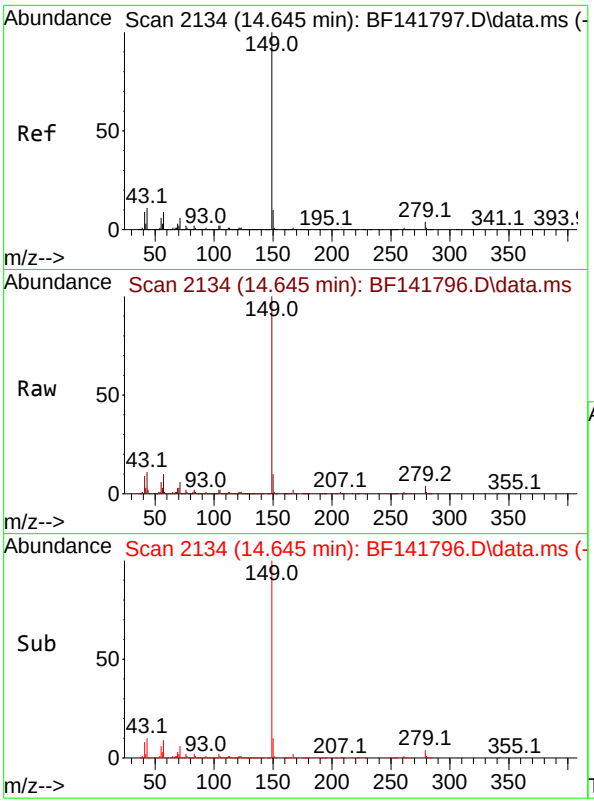


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.122 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

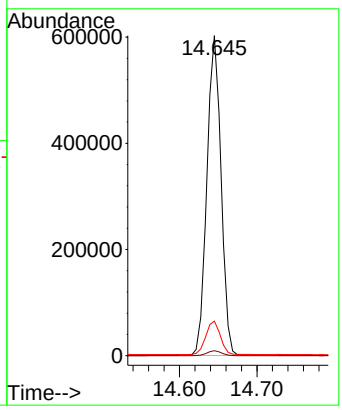




#85
Di-n-octyl phthalate
Concen: 18.910 ng
RT: 14.645 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:149 Resp: 76368

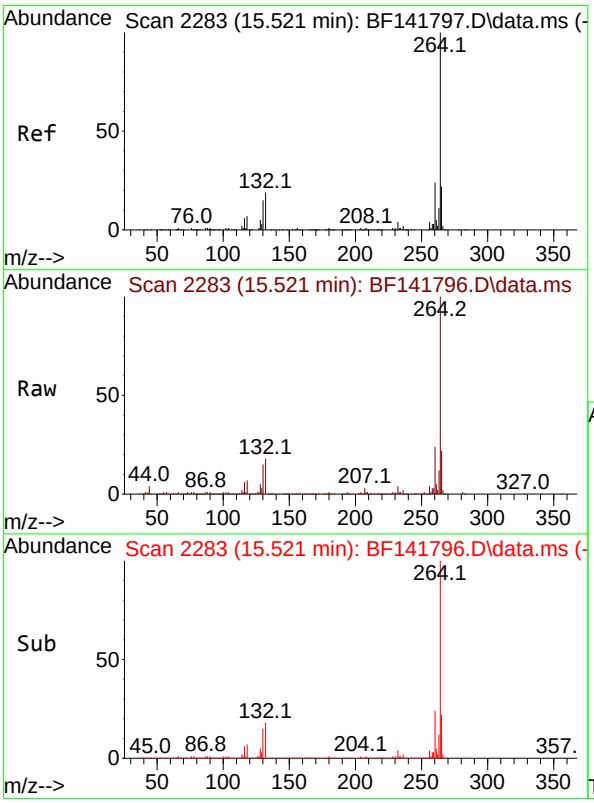
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	10.7	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

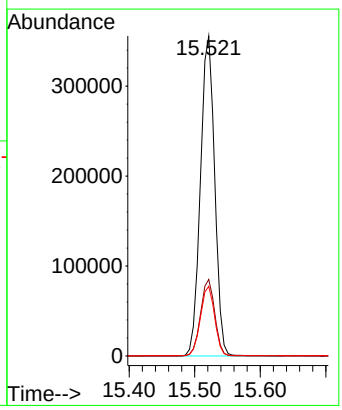
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

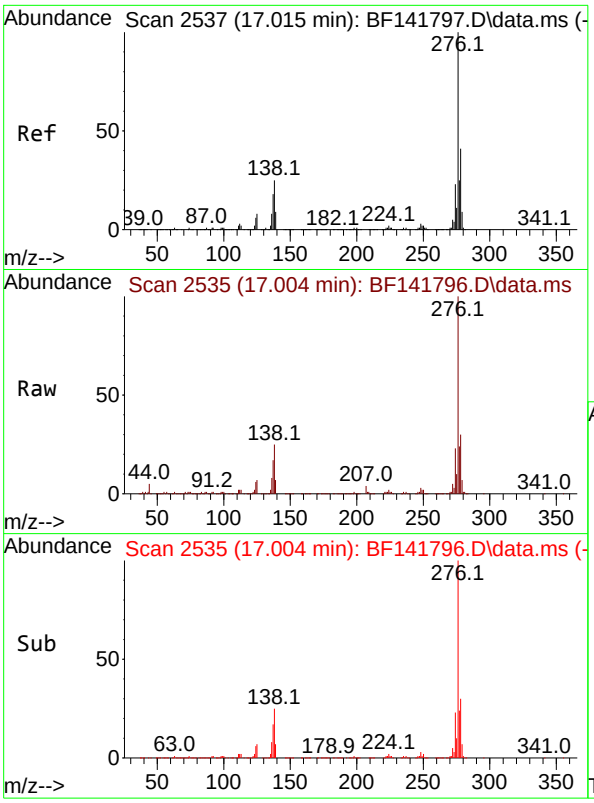


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

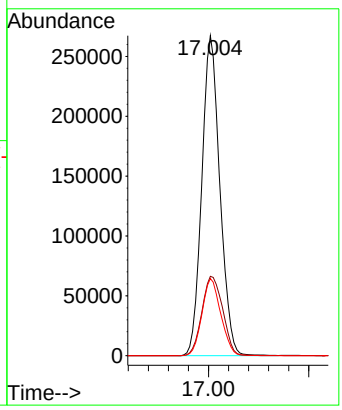




#87
Indeno(1,2,3-cd)pyrene
Concen: 19.480 ng
RT: 17.004 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:276 Resp: 66877

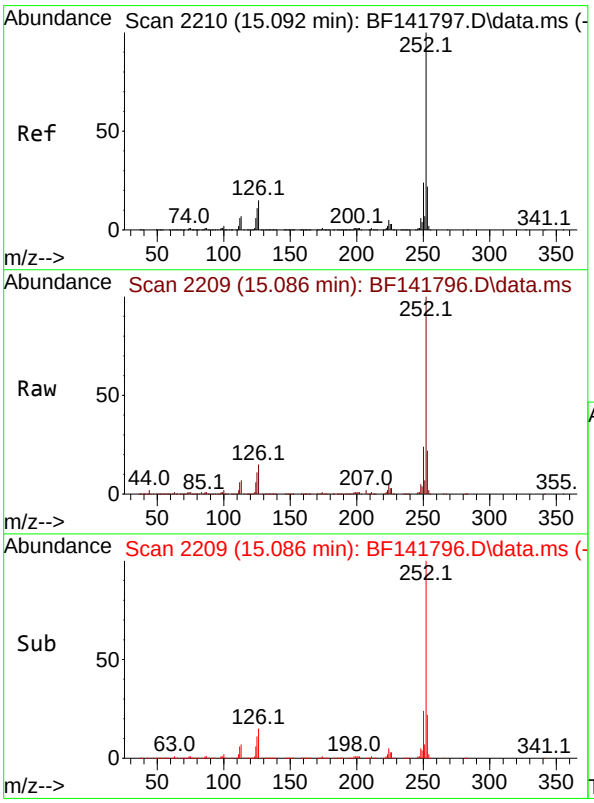
Ion	Ratio	Lower	Upper
276	100		
138	28.5	22.5	33.7
277	25.1	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

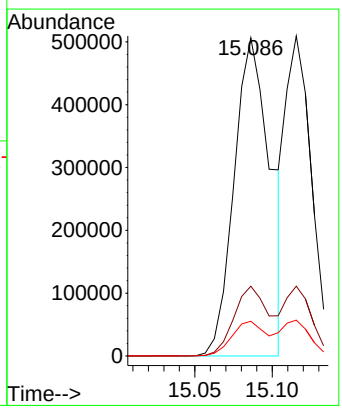
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

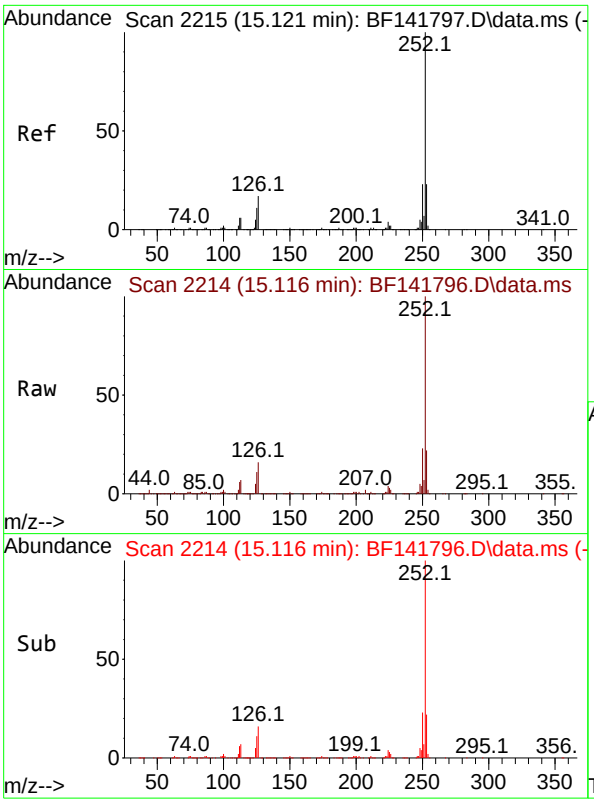


#88
Benzo(b)fluoranthene
Concen: 22.501 ng
RT: 15.086 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

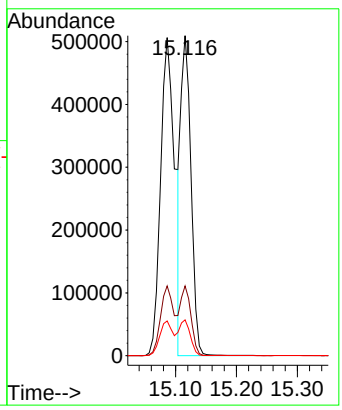




#89
Benzo(k)fluoranthene
Concen: 18.973 ng
RT: 15.116 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:252 Resp: 59225

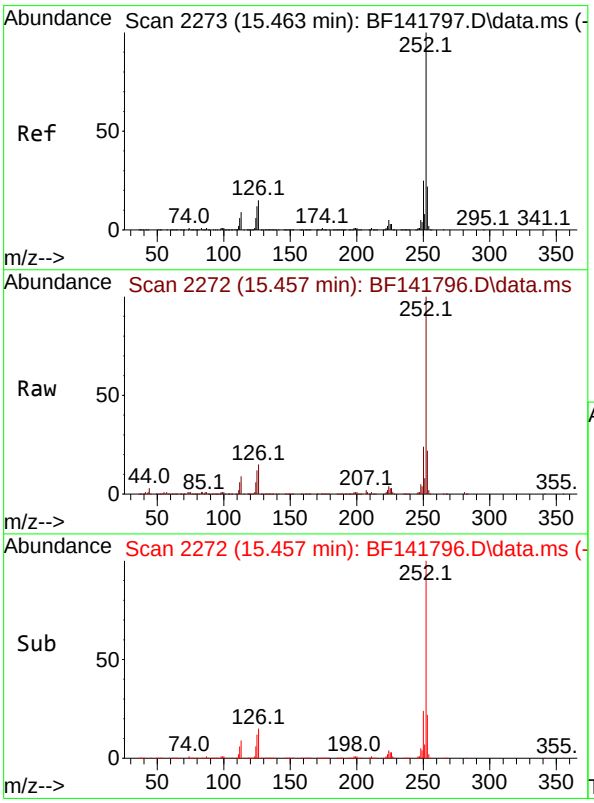
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	11.2	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

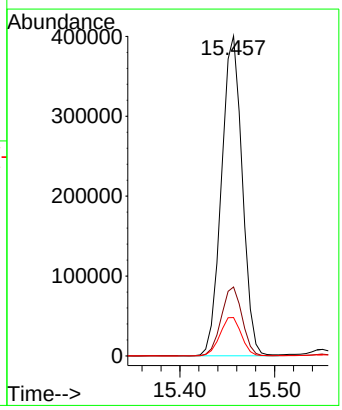
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

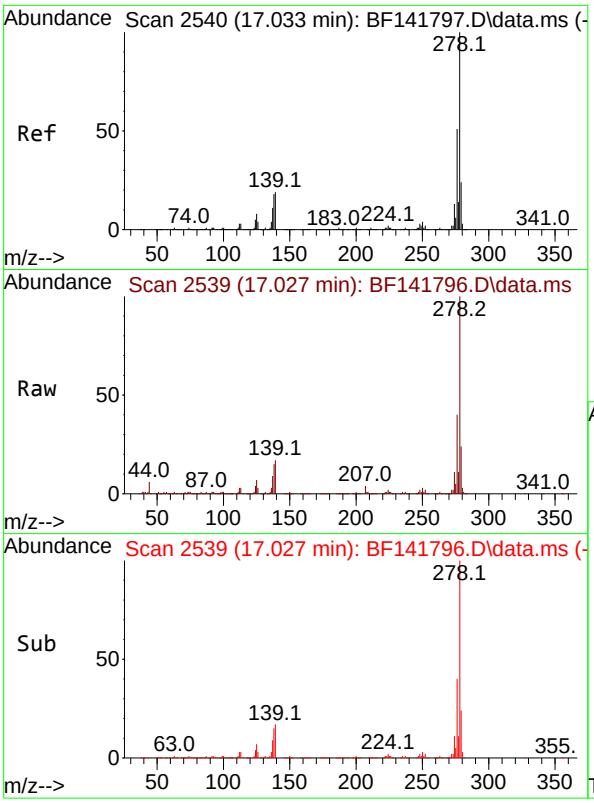


#90
Benzo(a)pyrene
Concen: 20.740 ng
RT: 15.457 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

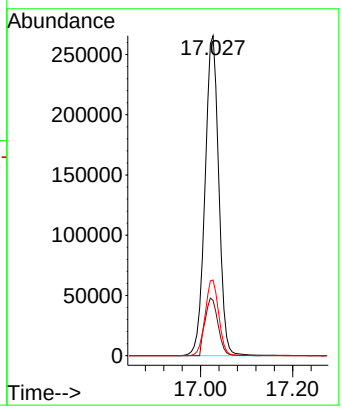




#91
Dibenzo(a,h)anthracene
Concen: 19.724 ng
RT: 17.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:278 Resp: 55272

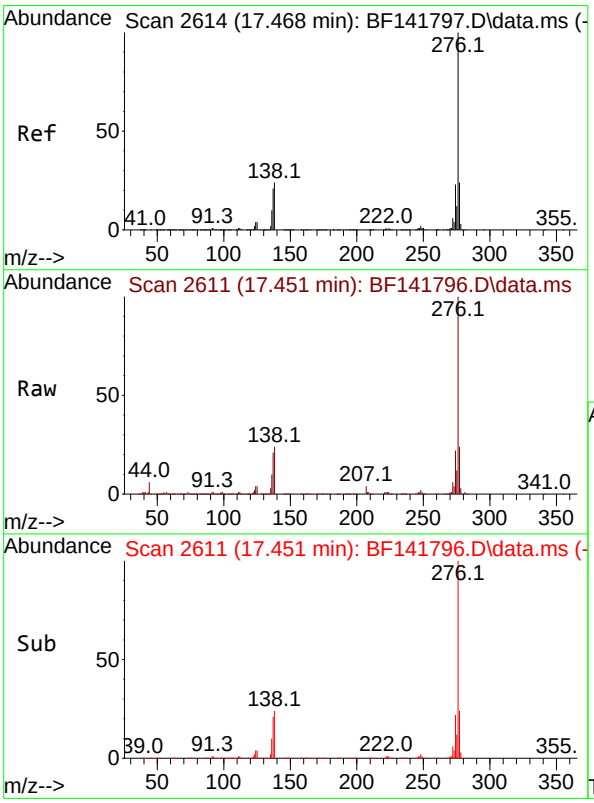
Ion	Ratio	Lower	Upper
278	100		
139	17.3	14.9	22.3
279	23.7	19.3	28.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

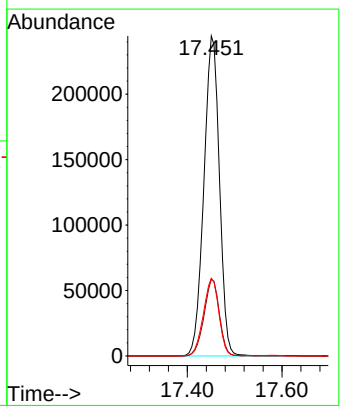
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

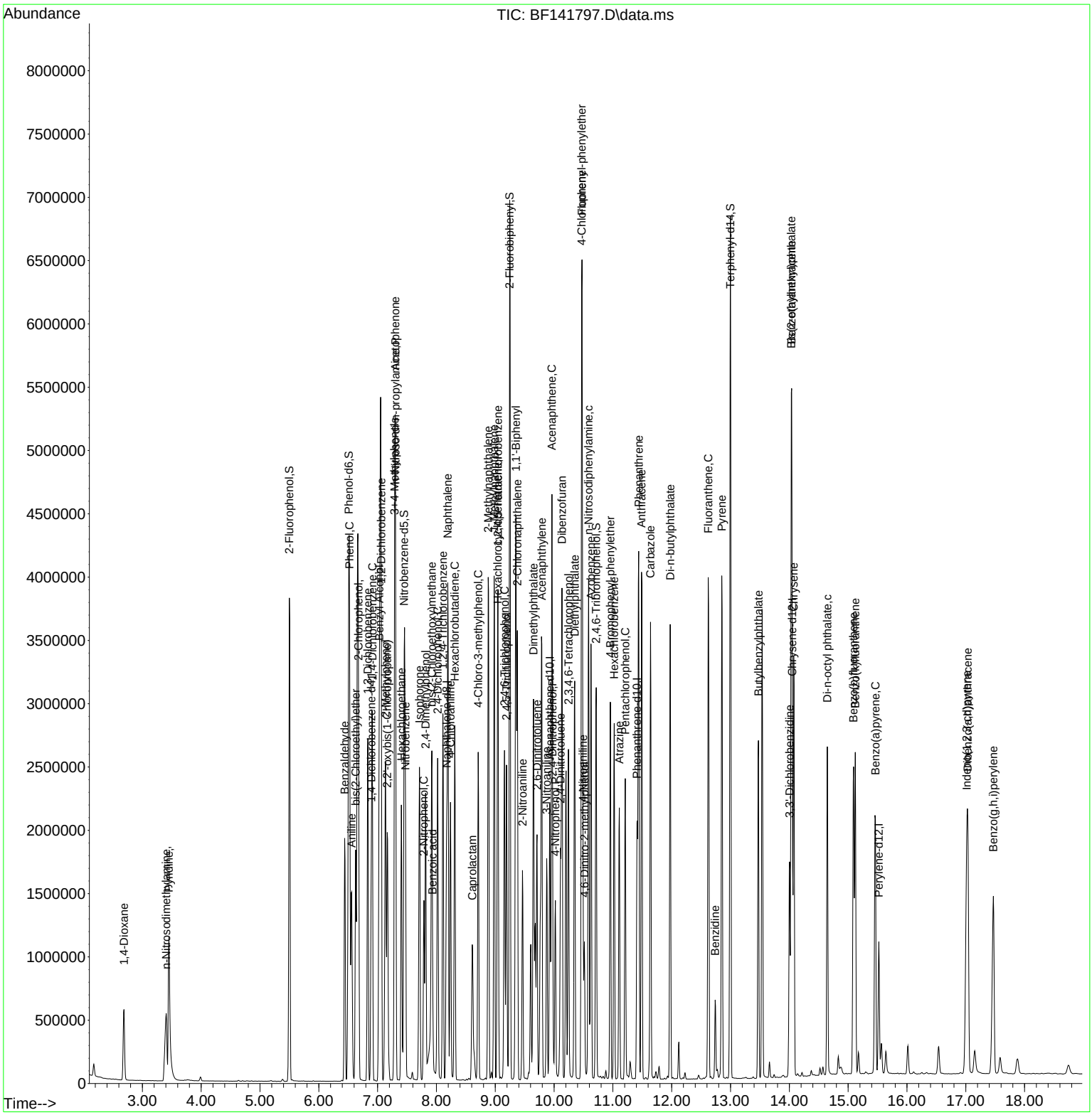
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Data File : BF141797.D
Acq On : 27 Feb 2025 17:16
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

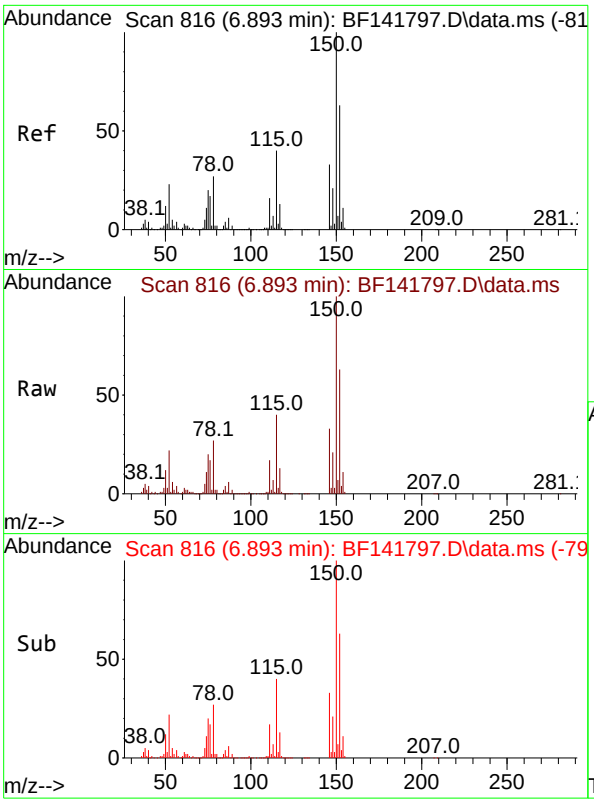
Quant Time: Feb 28 01:25:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

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

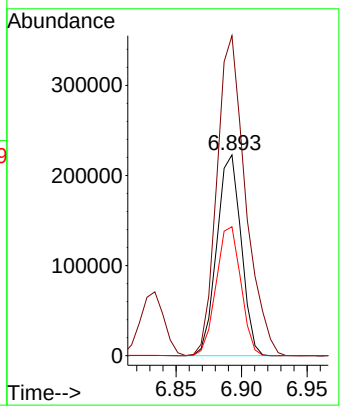




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:152 Resp: 28806

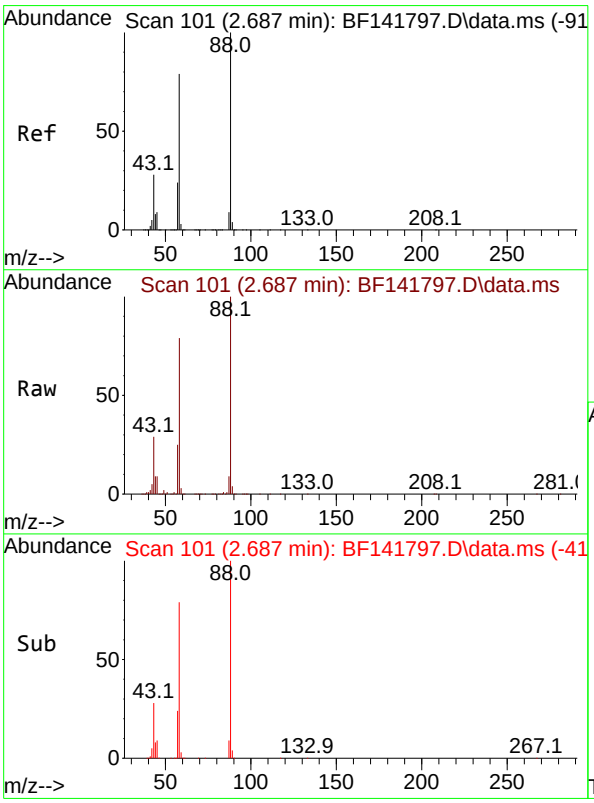
Ion	Ratio	Lower	Upper
152	100		
150	159.4	127.5	191.3
115	64.3	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

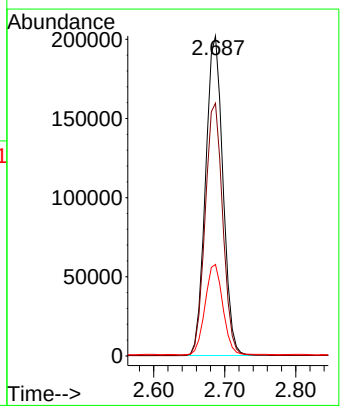
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

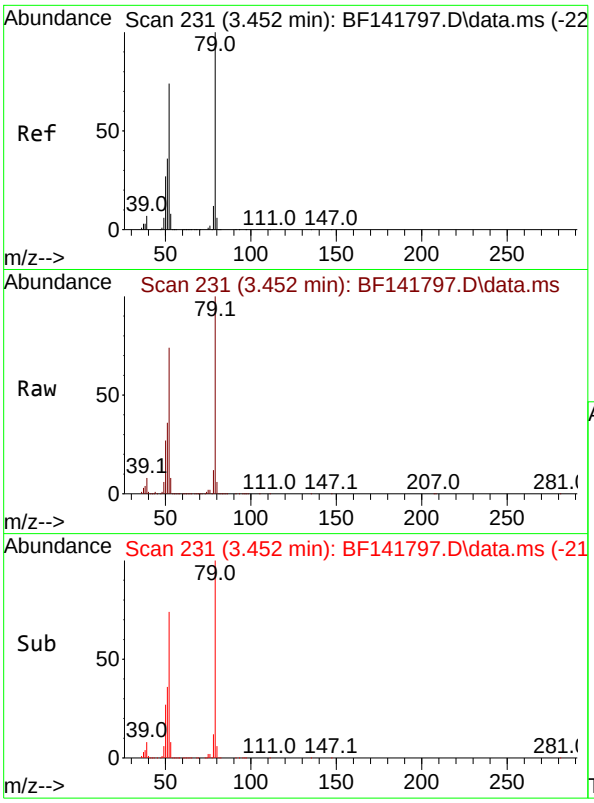


#2
1,4-Dioxane
Concen: 41.944 ng
RT: 2.687 min Scan# 101
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

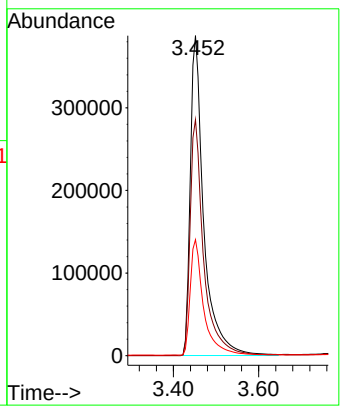
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

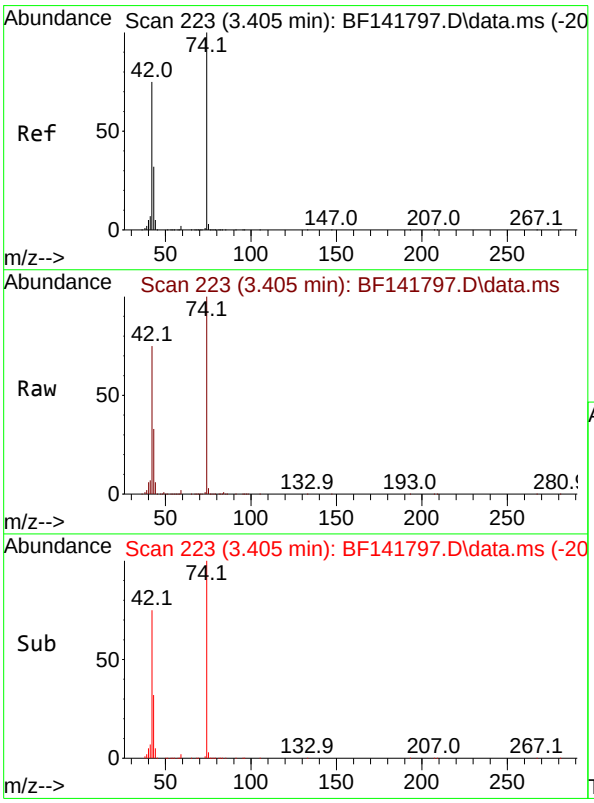
Tgt Ion: 79 Resp: 85049

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

Manual Integrations
APPROVED

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

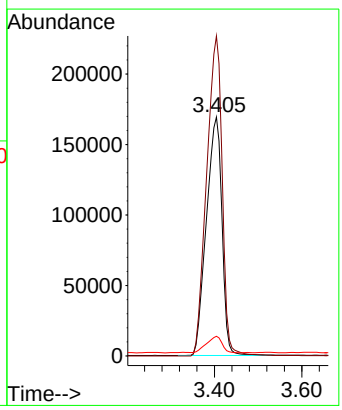


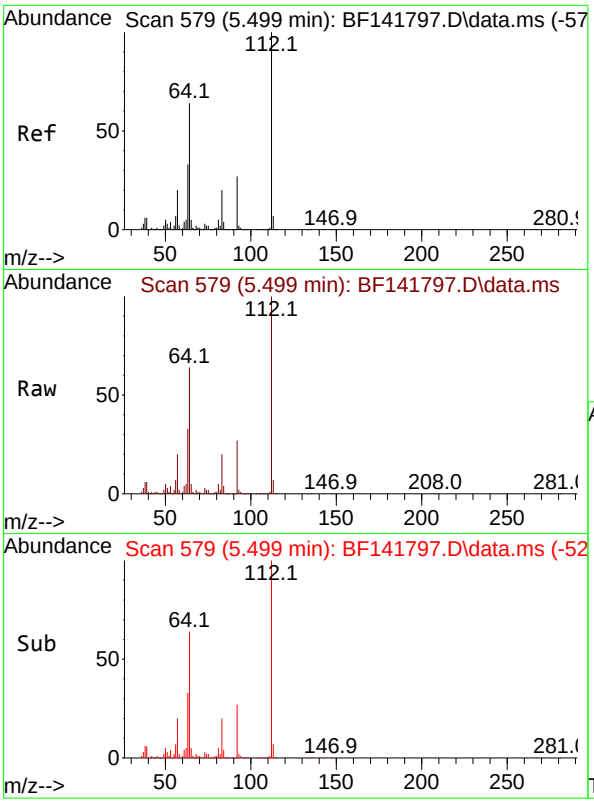


#4
n-Nitrosodimethylamine
Concen: 42.911 ng
RT: 3.405 min Scan# 223
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

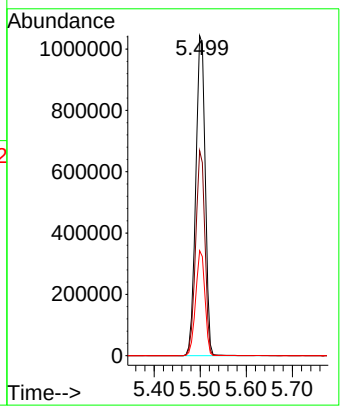
Tgt Ion:112 Resp: 148171(

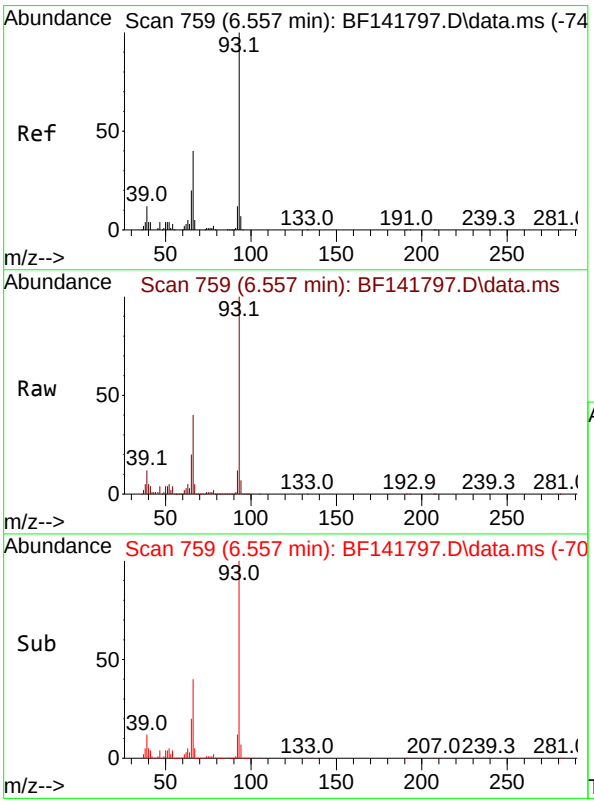
Ion	Ratio	Lower	Upper
112	100		
64	64.1	51.3	76.9
63	32.8	26.2	39.4

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

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

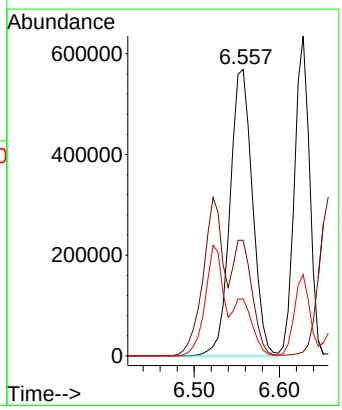


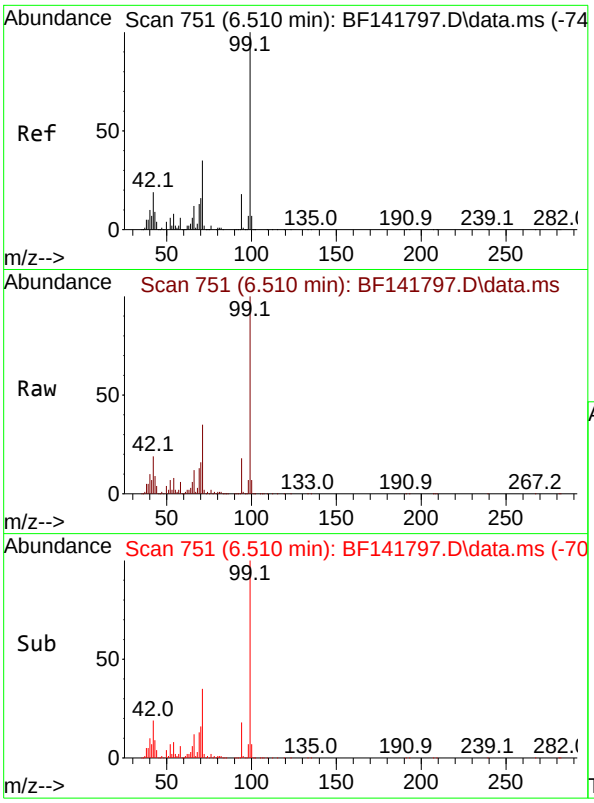


#6
Aniline
Concen: 42.941 ng
RT: 6.557 min Scan# 759
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

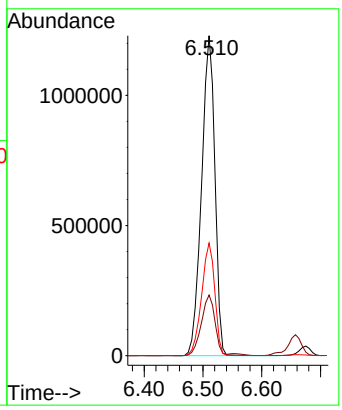




#7
Phenol-d6
Concen: 82.660 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 99 Resp: 194070

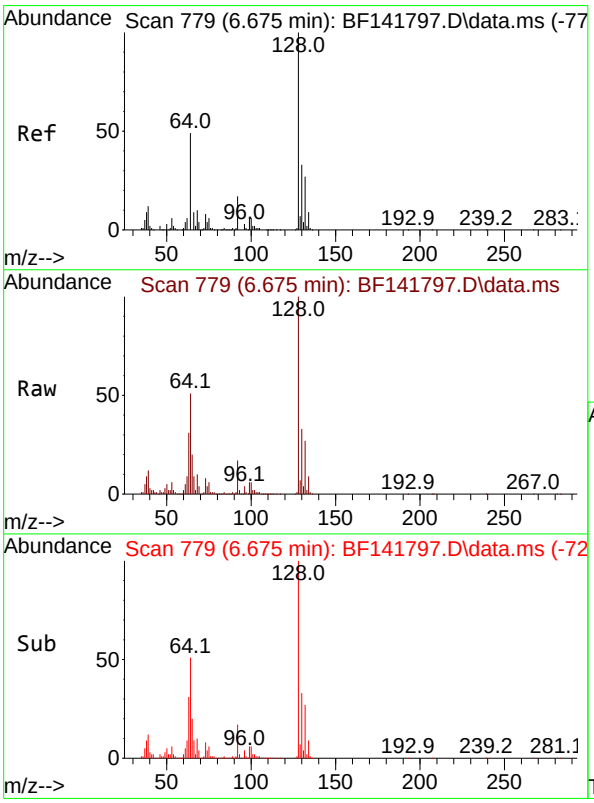
Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.2	22.8
71	35.2	28.2	42.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

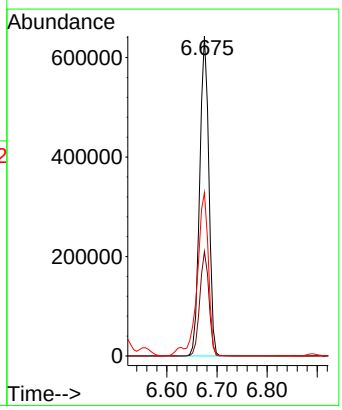
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

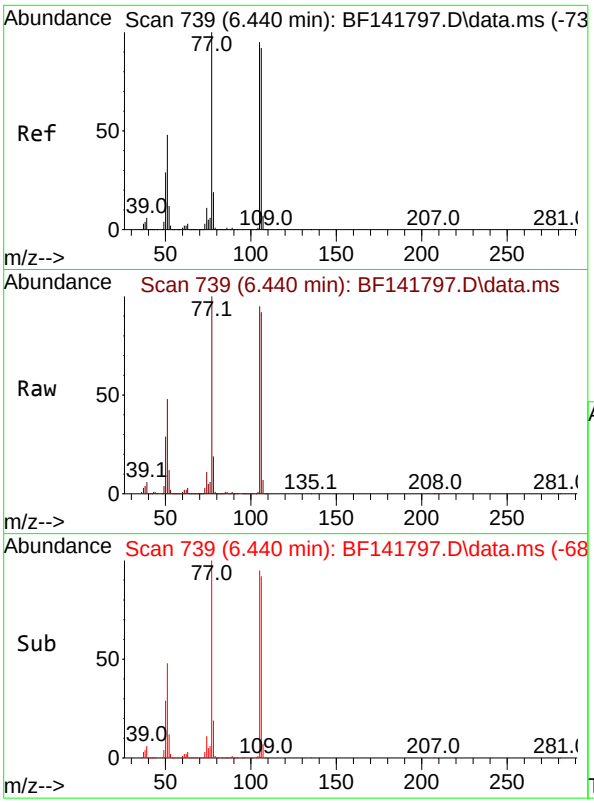


#8
2-Chlorophenol
Concen: 41.681 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

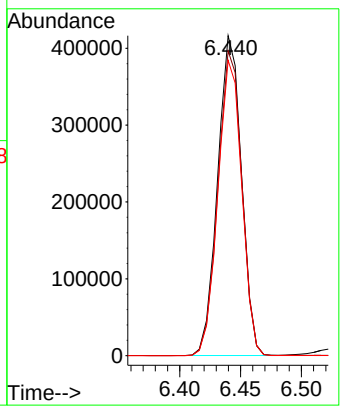




#9
Benzaldehyde
Concen: 41.423 ng
RT: 6.440 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 77 Resp: 56569

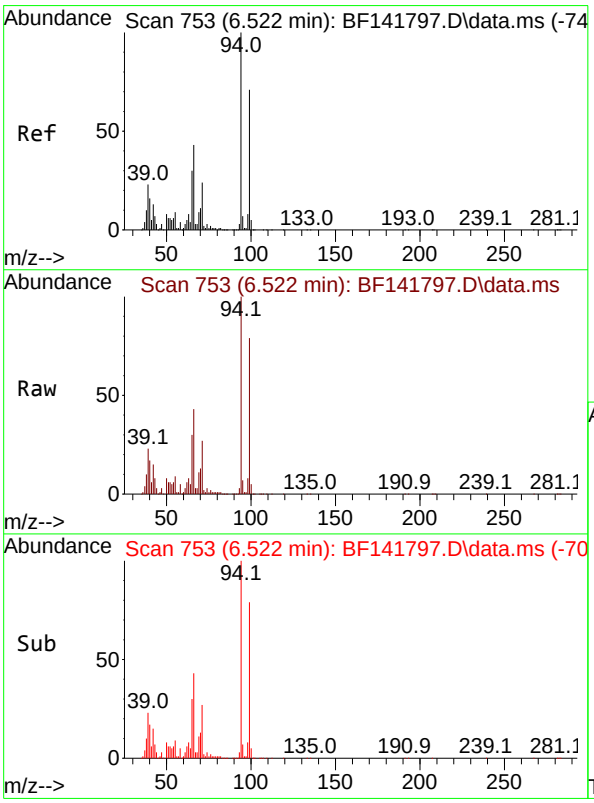
Ion	Ratio	Lower	Upper
77	100		
105	95.3	75.3	115.3
106	92.3	72.3	112.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

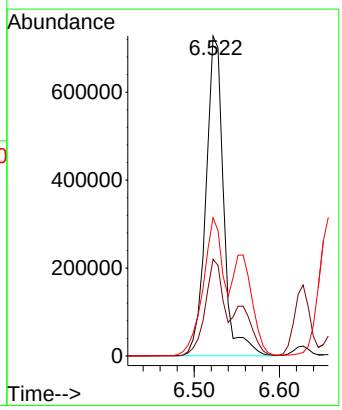
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

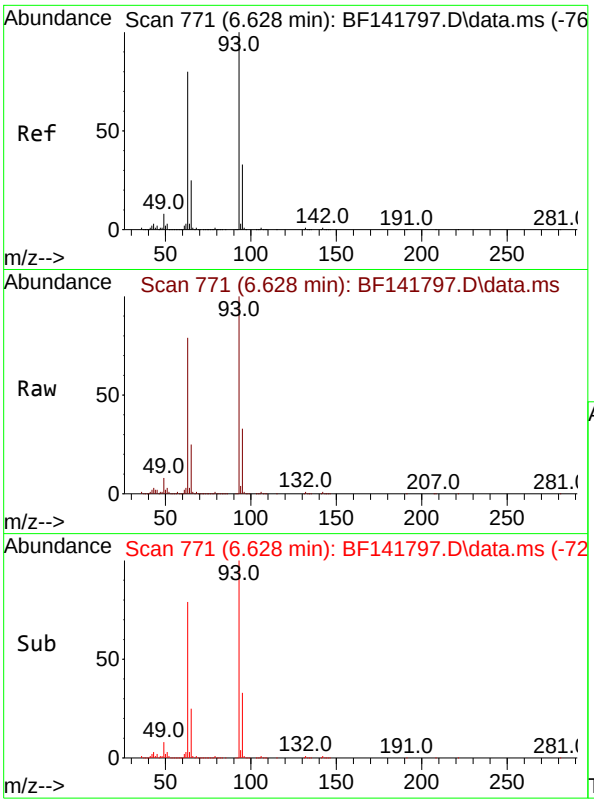


#10
Phenol
Concen: 41.904 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

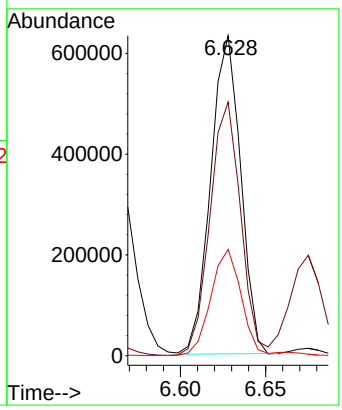




#11
bis(2-Chloroethyl)ether
Concen: 40.349 ng
RT: 6.628 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 93 Resp: 77164

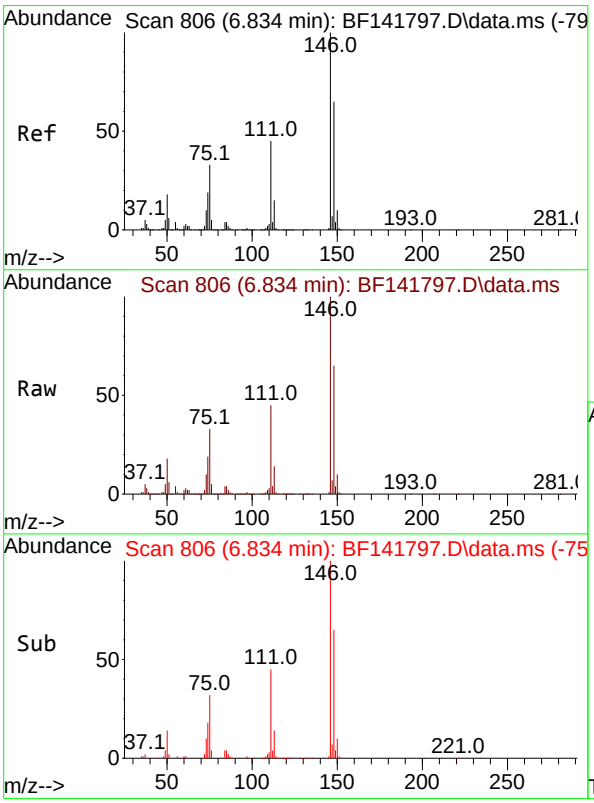
Ion	Ratio	Lower	Upper
93	100		
63	79.3	59.3	99.3
95	33.2	13.2	53.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

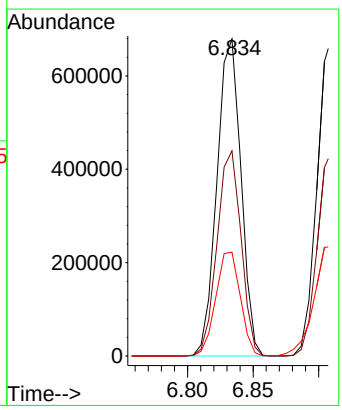
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

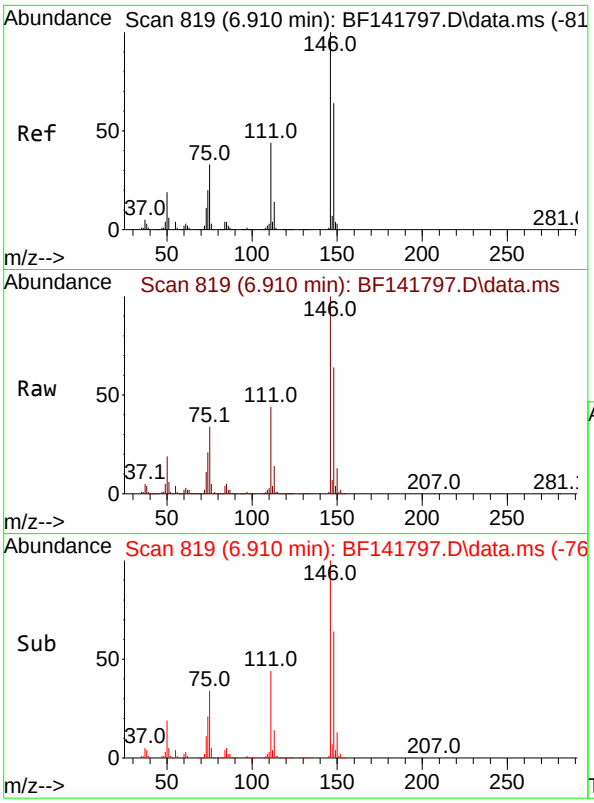


#12
1,3-Dichlorobenzene
Concen: 41.465 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

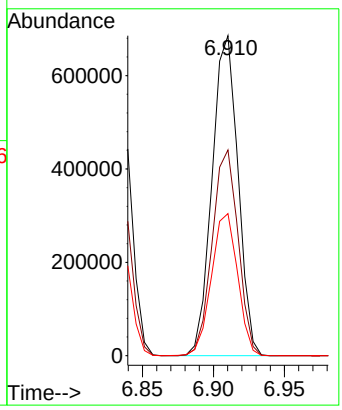




#13
1,4-Dichlorobenzene
Concen: 41.384 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:146 Resp: 87135

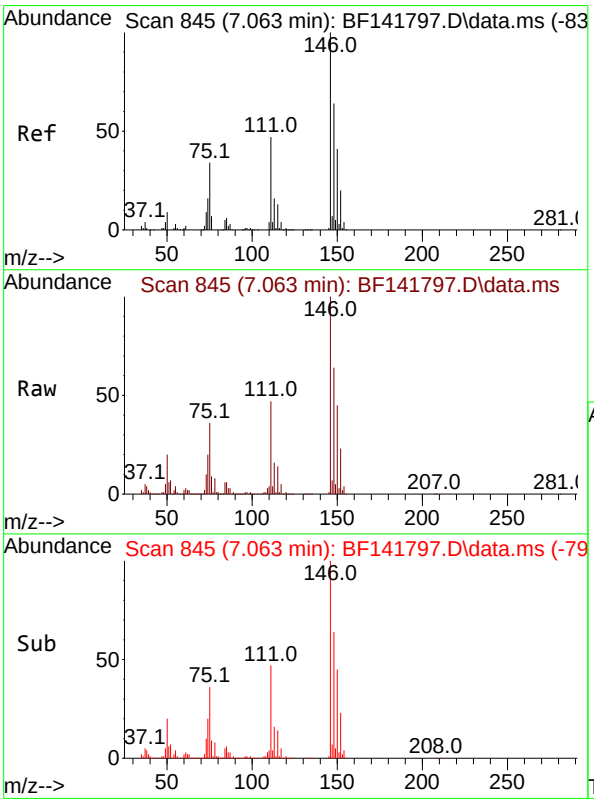
Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.2
111	44.4	35.5	53.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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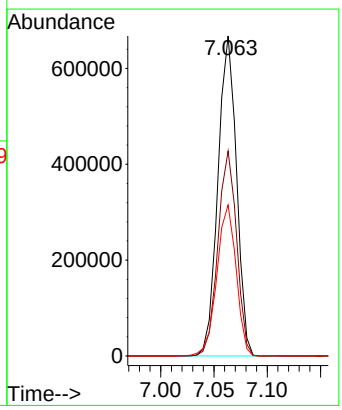
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

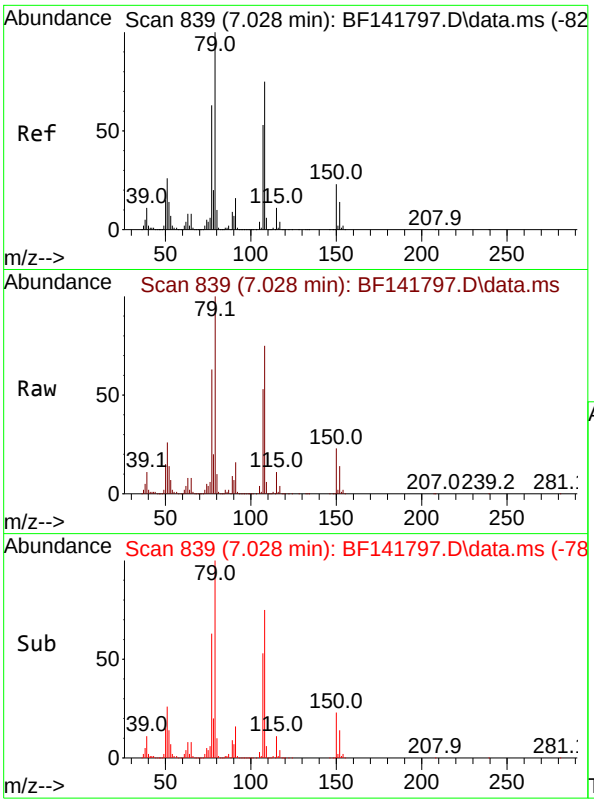


#14
1,2-Dichlorobenzene
Concen: 41.065 ng
RT: 7.063 min Scan# 845
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

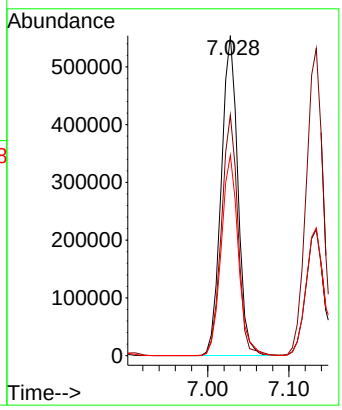
Tgt Ion: 79 Resp: 78726

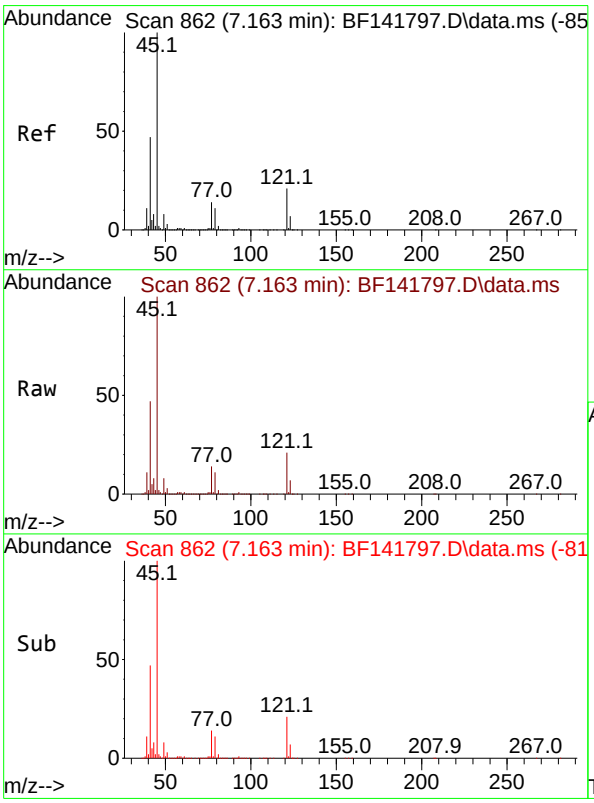
Ion	Ratio	Lower	Upper
79	100		
108	75.2	60.2	90.2
77	62.7	50.2	75.2

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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

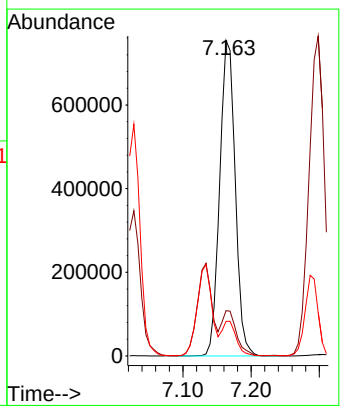


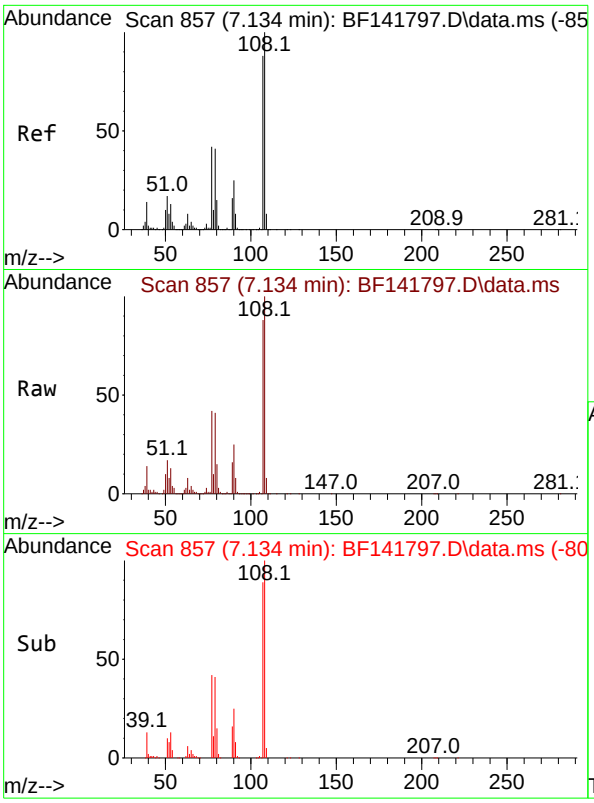


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.236 ng
RT: 7.163 min Scan# 862
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

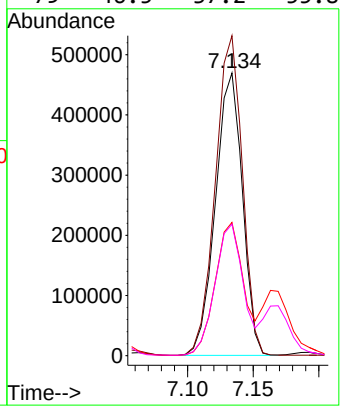




#17
2-Methylphenol
Concen: 41.635 ng
RT: 7.134 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:107 Resp: 67059

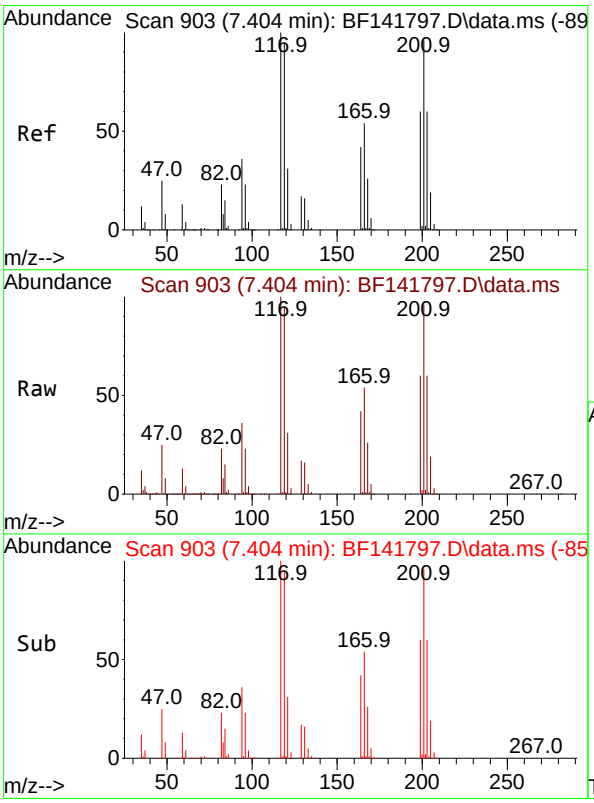
Ion	Ratio	Lower	Upper
107	100		
108	113.2	90.6	135.8
77	47.1	37.7	56.5
79	46.5	37.2	55.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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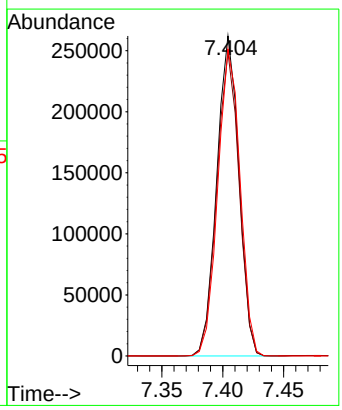
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

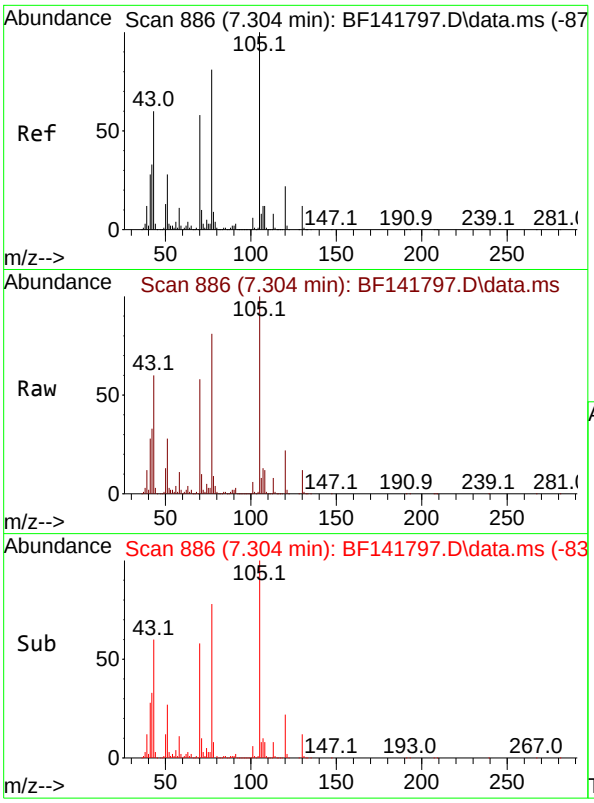


#18
Hexachloroethane
Concen: 42.223 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

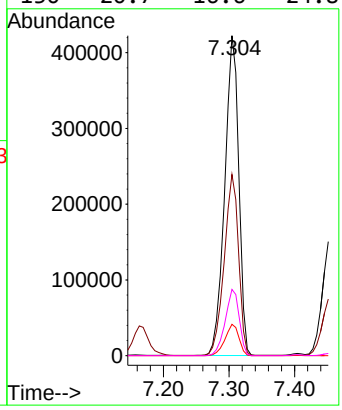




#19
n-Nitroso-di-n-propylamine
Concen: 40.586 ng
RT: 7.304 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 70 Resp: 62639

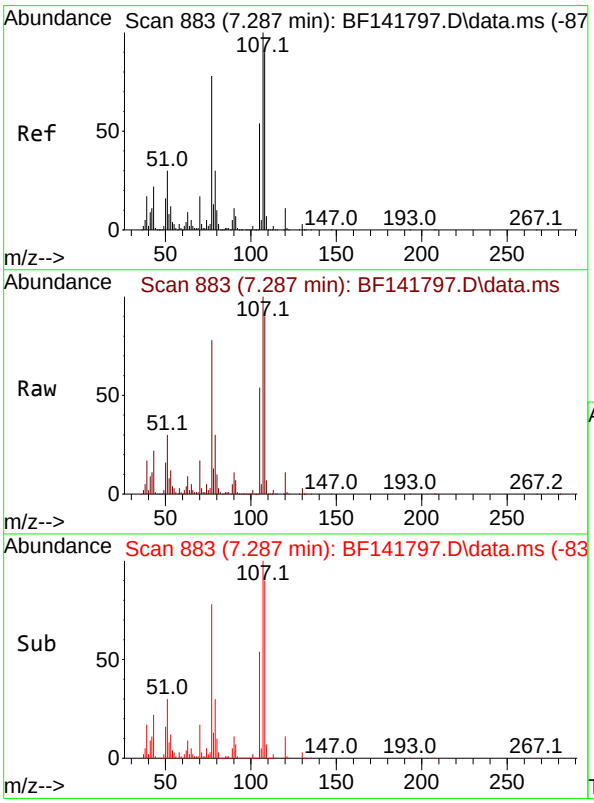
Ion	Ratio	Lower	Upper
70	100		
42	56.7	45.4	68.0
101	9.8	7.8	11.8
130	20.7	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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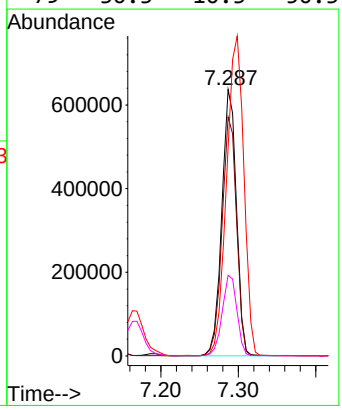
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

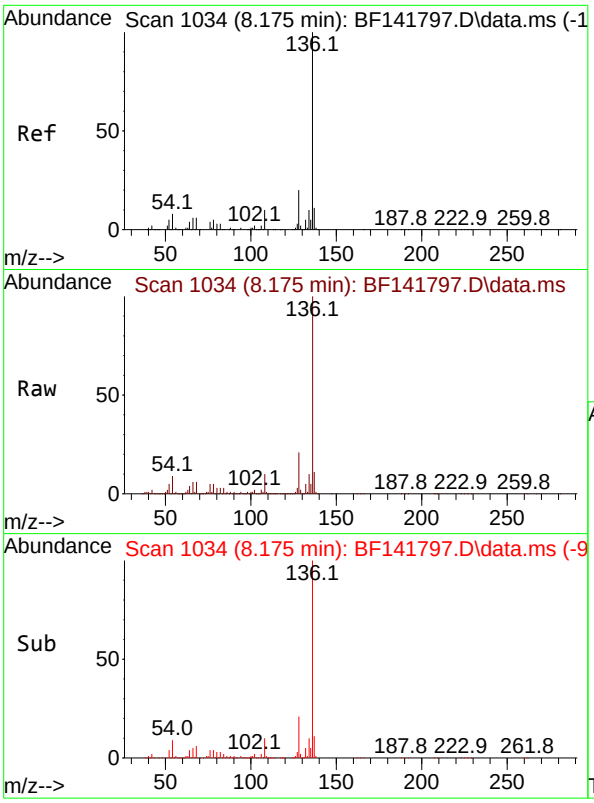


#20
3+4-Methylphenols
Concen: 41.411 ng
RT: 7.287 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

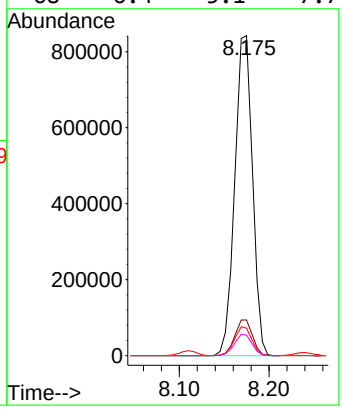
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

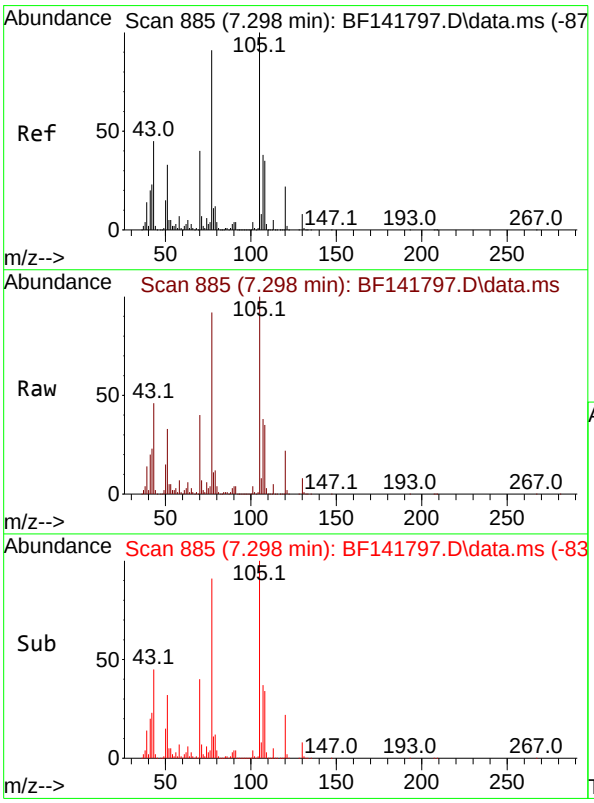
Tgt Ion:136 Resp: 115571

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

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

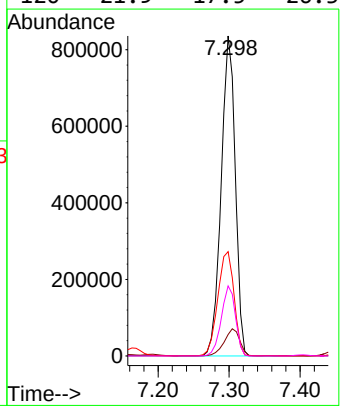


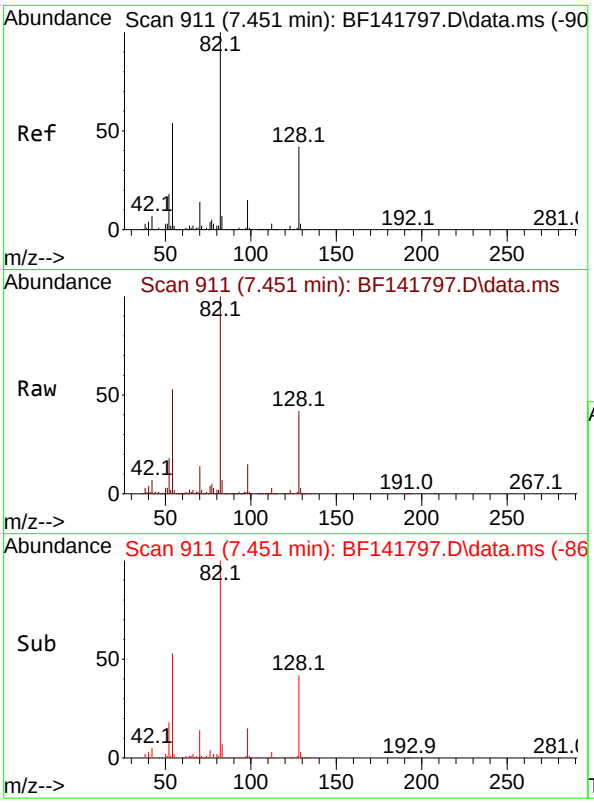


#22
Acetophenone
Concen: 40.776 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

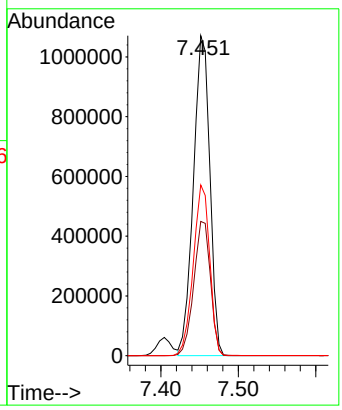




#23
Nitrobenzene-d5
Concen: 87.263 ng
RT: 7.451 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 82 Resp: 157776

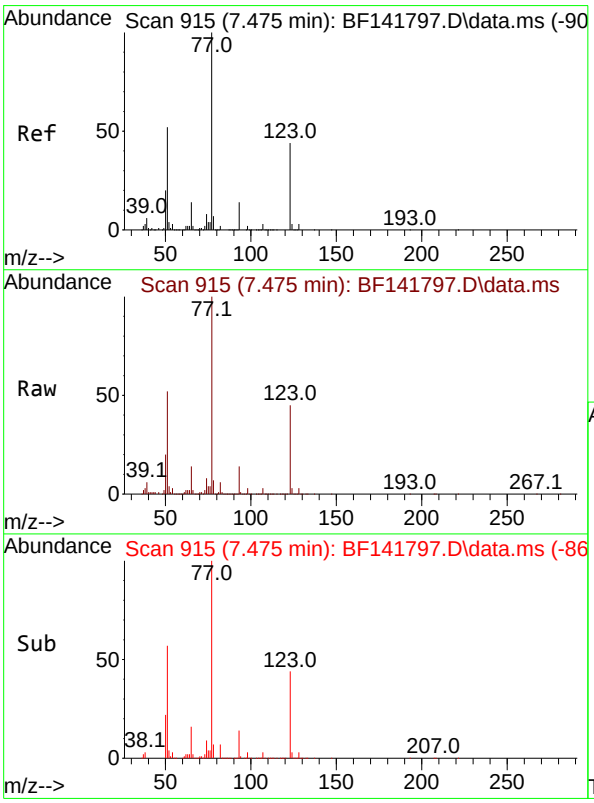
Ion	Ratio	Lower	Upper
82	100		
128	41.9	33.5	50.3
54	53.4	42.7	64.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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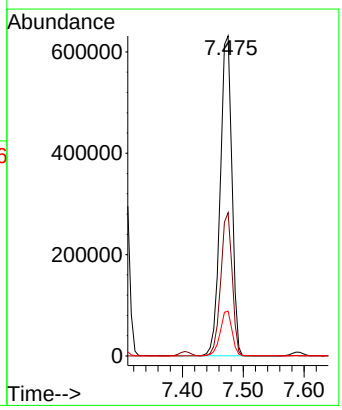
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

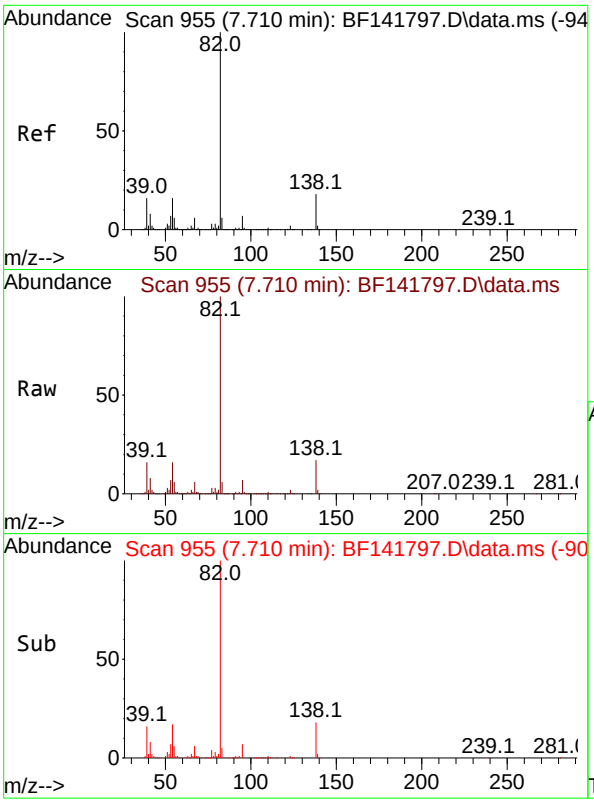


#24
Nitrobenzene
Concen: 43.379 ng
RT: 7.475 min Scan# 915
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

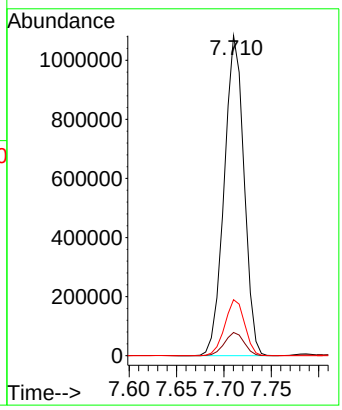




#25
Isophorone
Concen: 40.569 ng
RT: 7.710 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 82 Resp: 157585

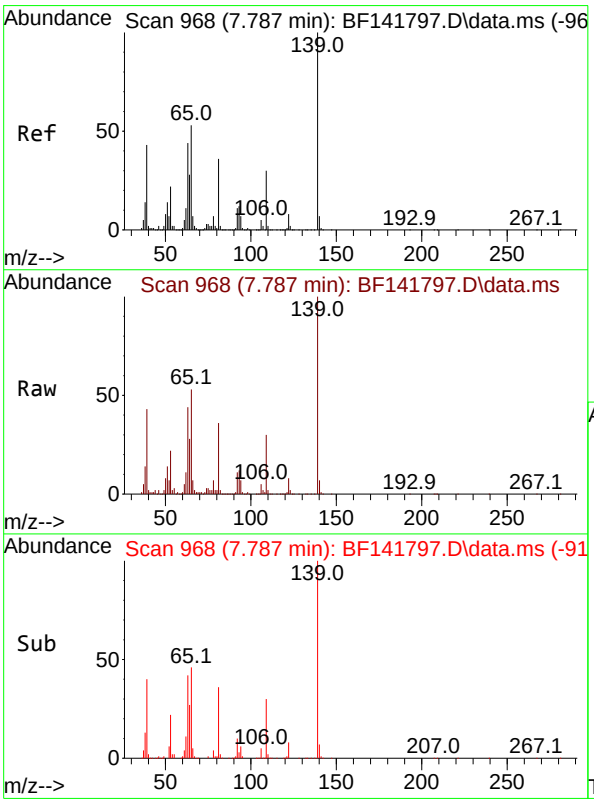
Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	17.5	14.0	21.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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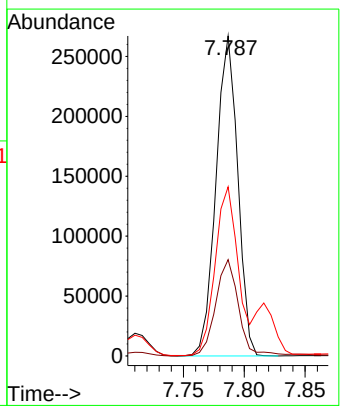
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

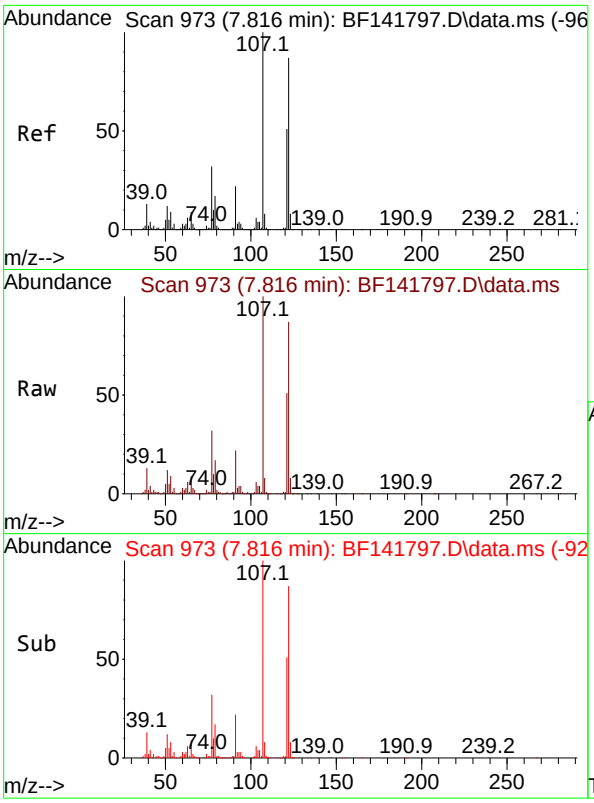


#26
2-Nitrophenol
Concen: 39.357 ng
RT: 7.787 min Scan# 968
Delta R.T. -0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

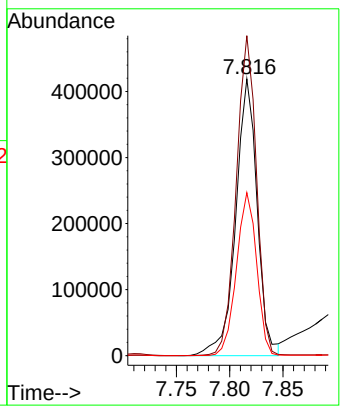




#27
2,4-Dimethylphenol
Concen: 41.191 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:122 Resp: 58815

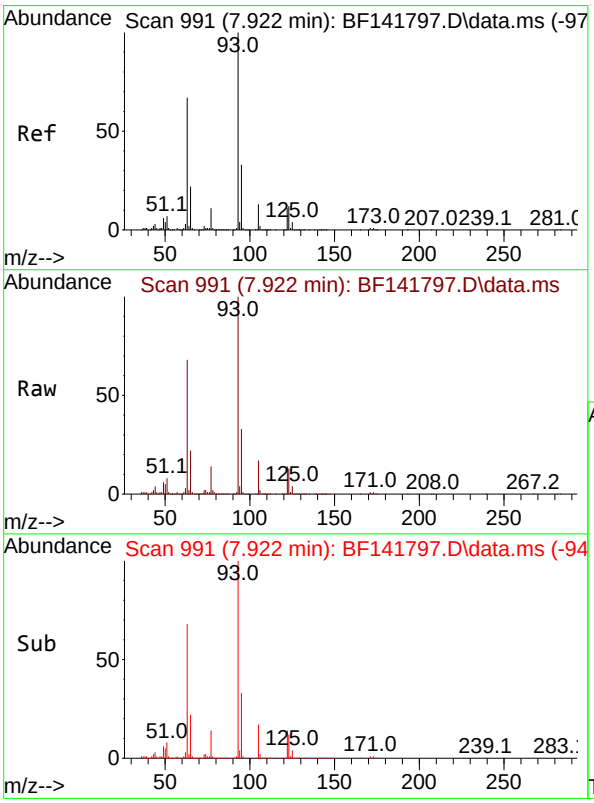
Ion	Ratio	Lower	Upper
122	100		
107	115.6	92.5	138.7
121	58.9	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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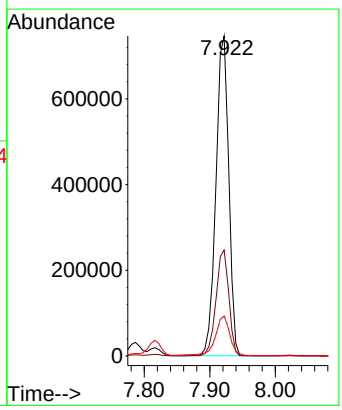
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

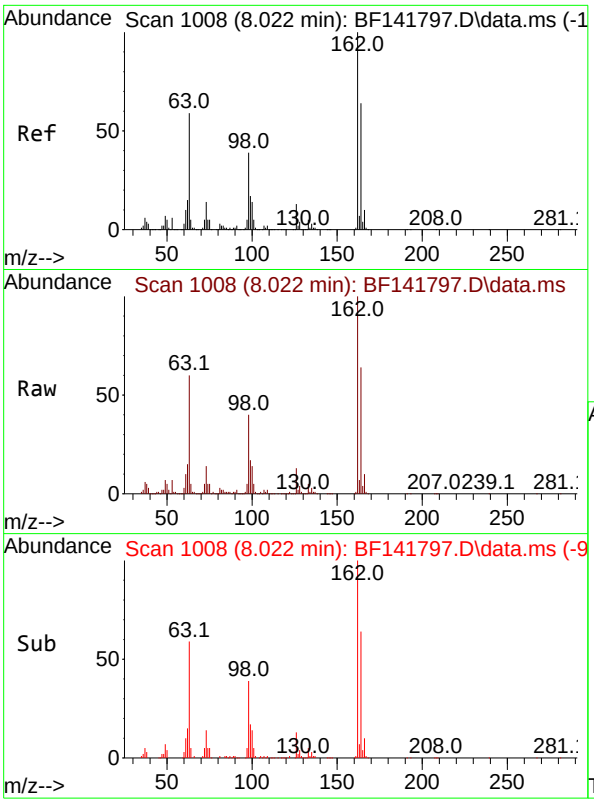


#28
bis(2-Chloroethoxy)methane
Concen: 40.624 ng
RT: 7.922 min Scan# 991
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

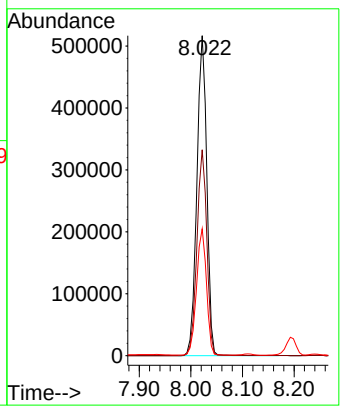
Tgt Ion:162 Resp: 68886

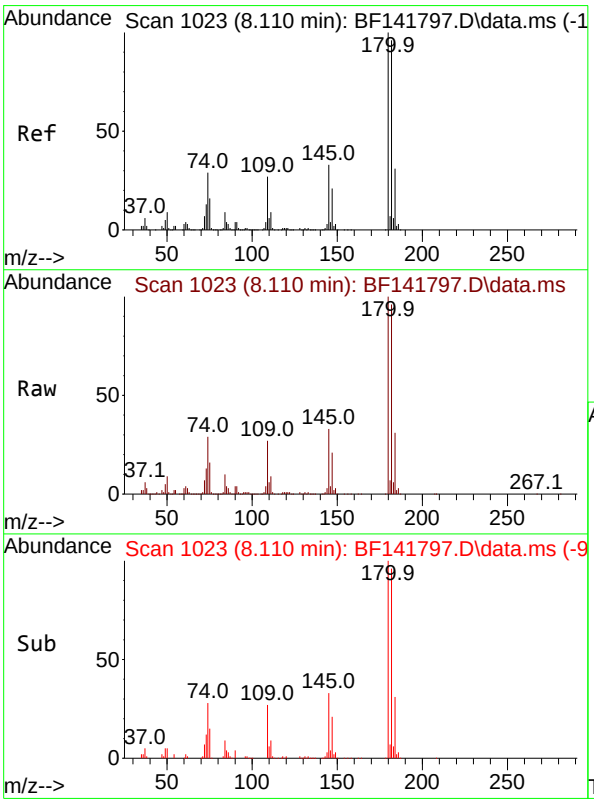
Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.3	84.3
98	39.6	19.6	59.6

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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

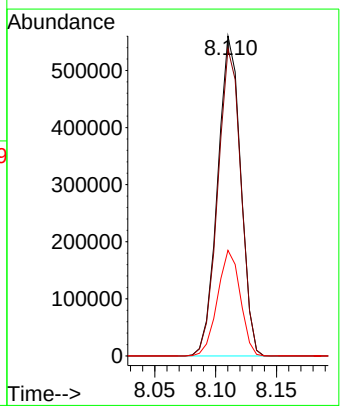


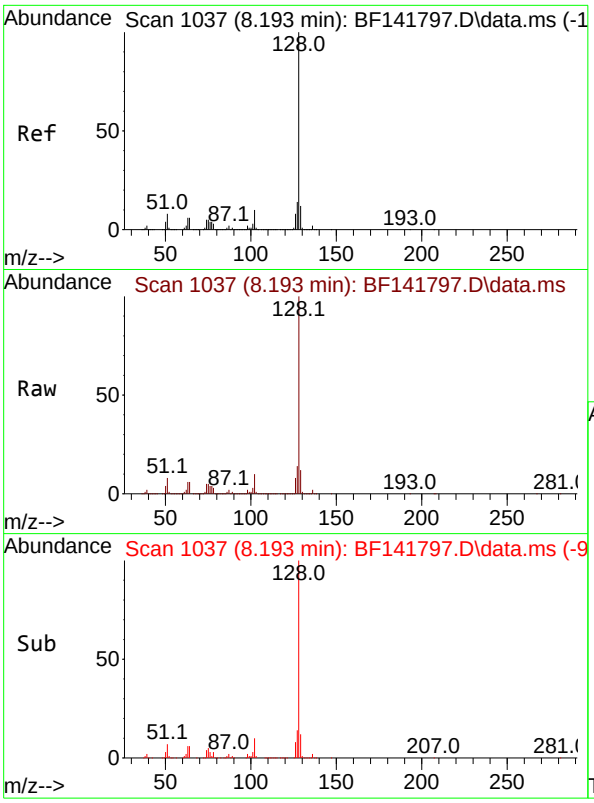


#30
1,2,4-Trichlorobenzene
Concen: 40.863 ng
RT: 8.110 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

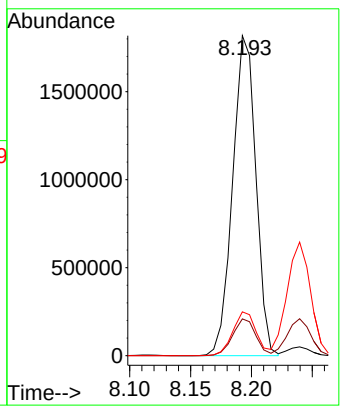




#31
Naphthalene
Concen: 40.588 ng
RT: 8.193 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:128 Resp: 241091

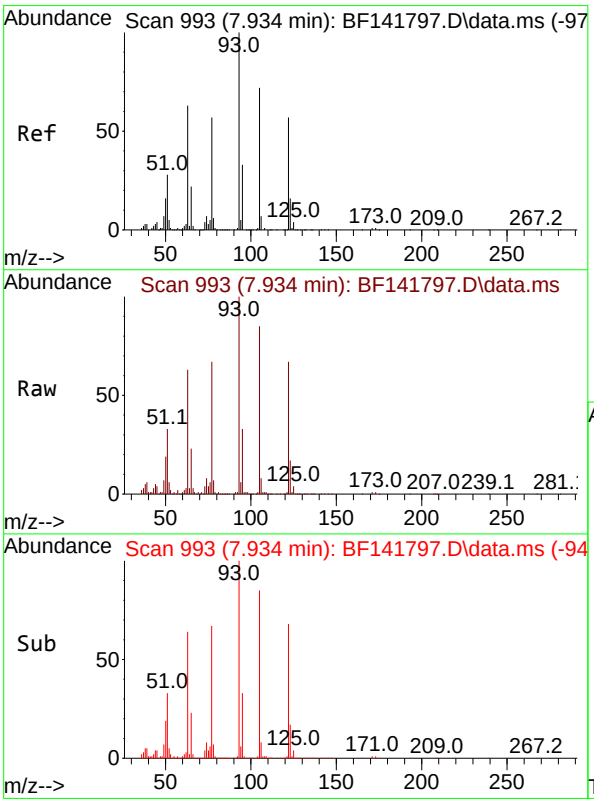
Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.2	13.8
127	13.7	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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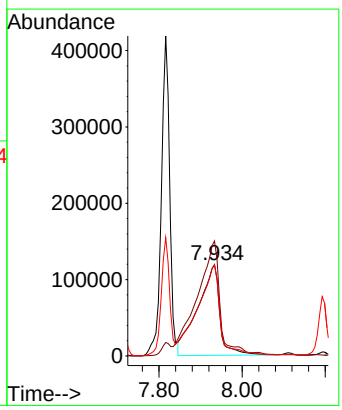
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

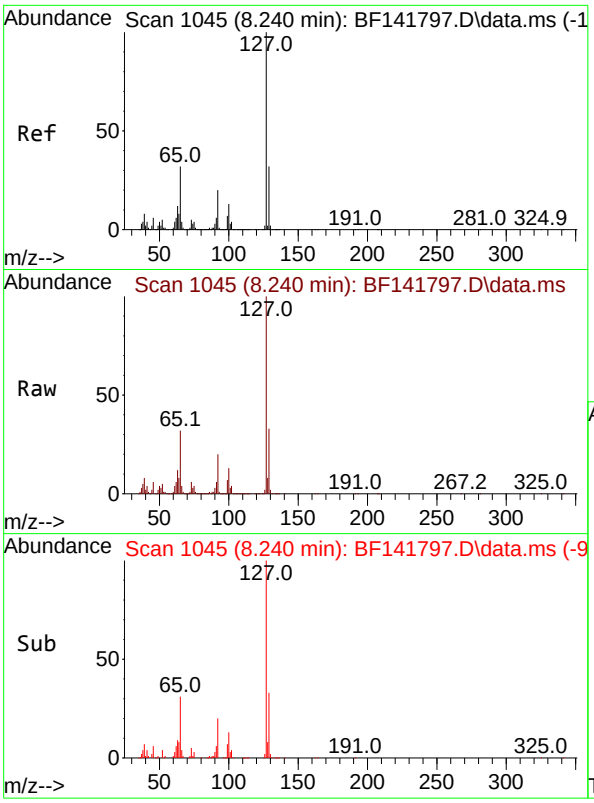


#32
Benzoic acid
Concen: 38.870 ng
RT: 7.934 min Scan# 993
Delta R.T. -0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

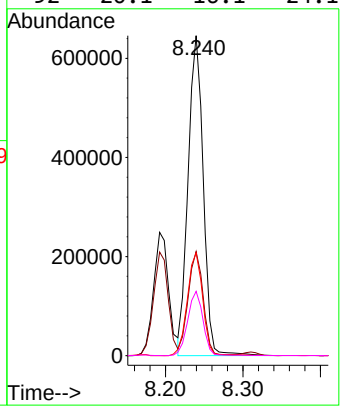




#33
4-Chloroaniline
Concen: 40.271 ng
RT: 8.240 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:127 Resp: 87708

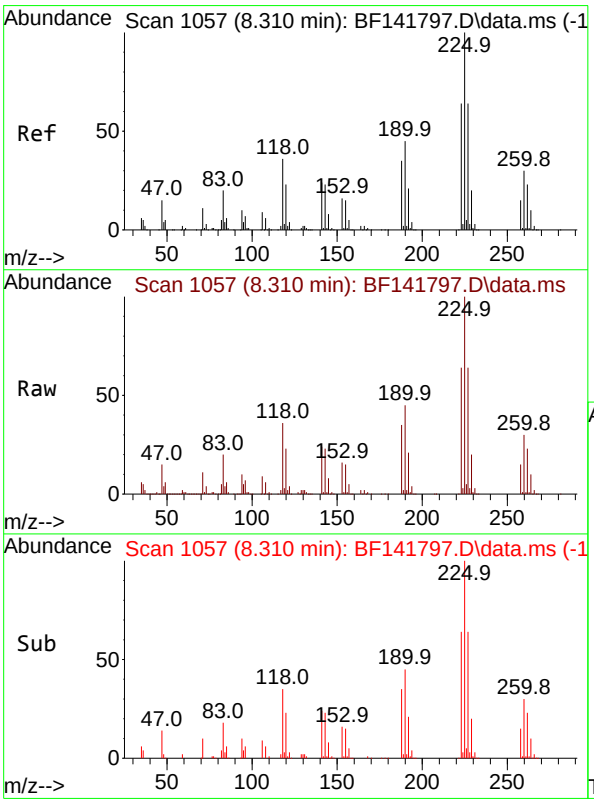
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	32.1	25.7	38.5
92	20.1	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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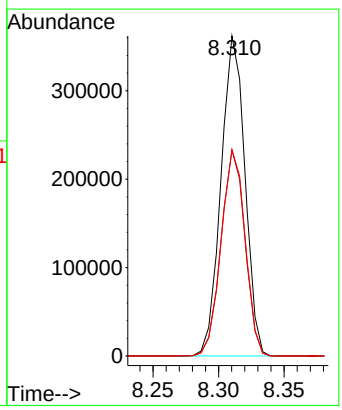
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

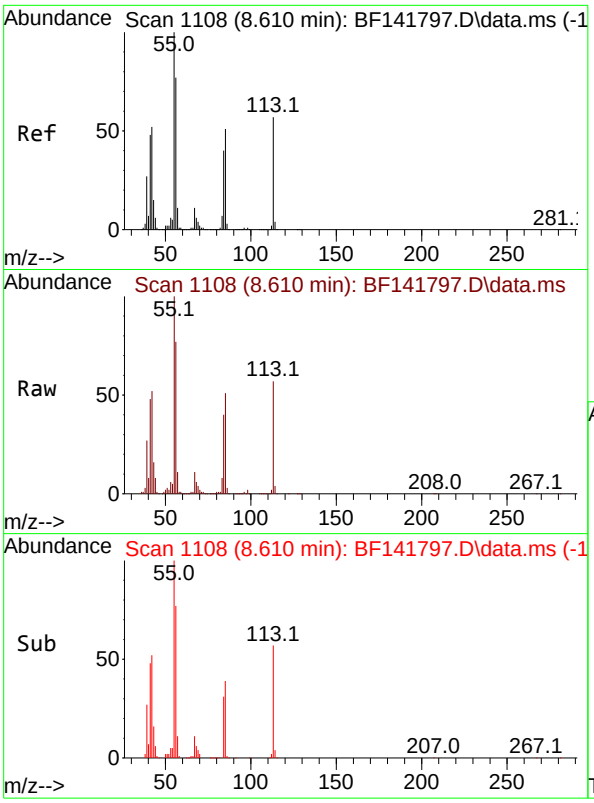


#34
Hexachlorobutadiene
Concen: 40.952 ng
RT: 8.310 min Scan# 1057
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

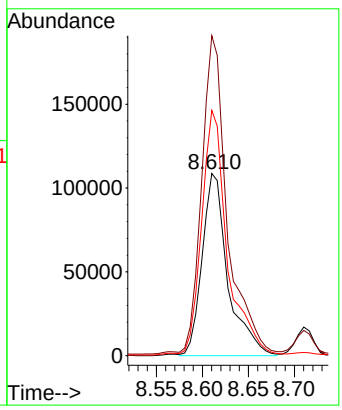
Tgt Ion:113 Resp: 21133

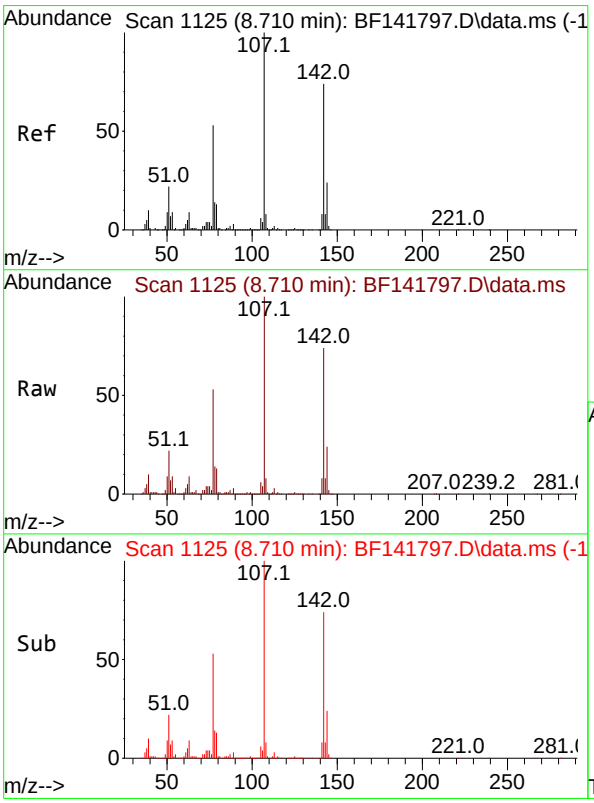
Ion	Ratio	Lower	Upper
113	100		
55	175.6	155.6	195.6
56	134.6	114.6	154.6

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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

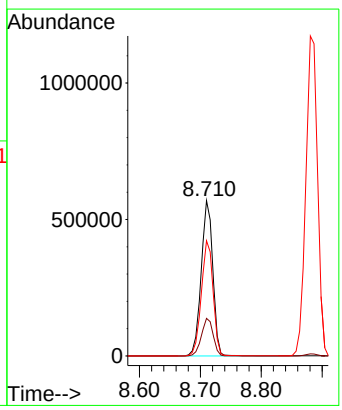


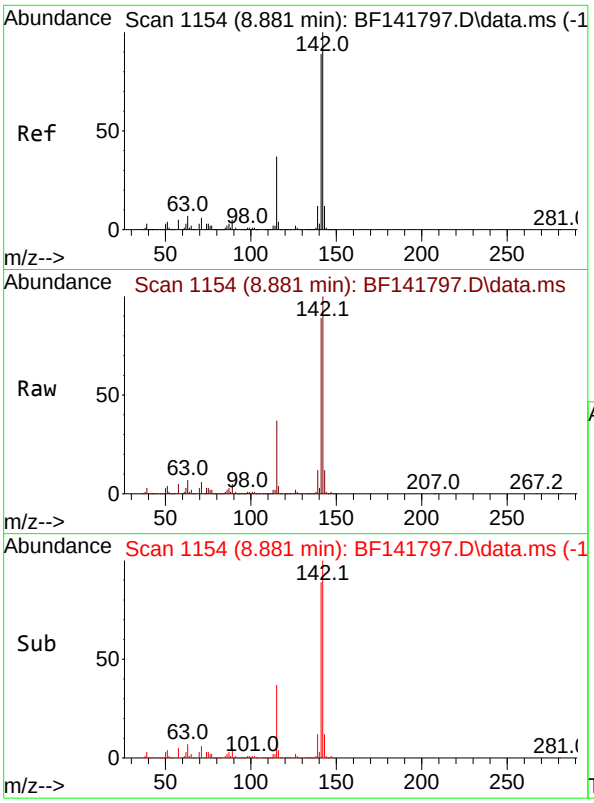


#36
4-Chloro-3-methylphenol
Concen: 41.148 ng
RT: 8.710 min Scan# 1125
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

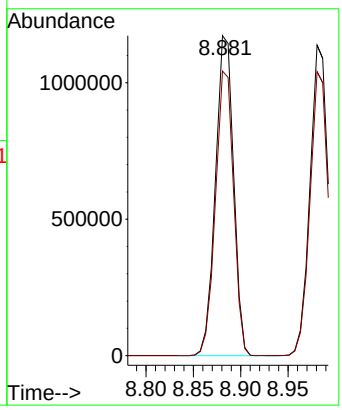




#37
2-Methylnaphthalene
Concen: 40.179 ng
RT: 8.881 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:142 Resp: 156542

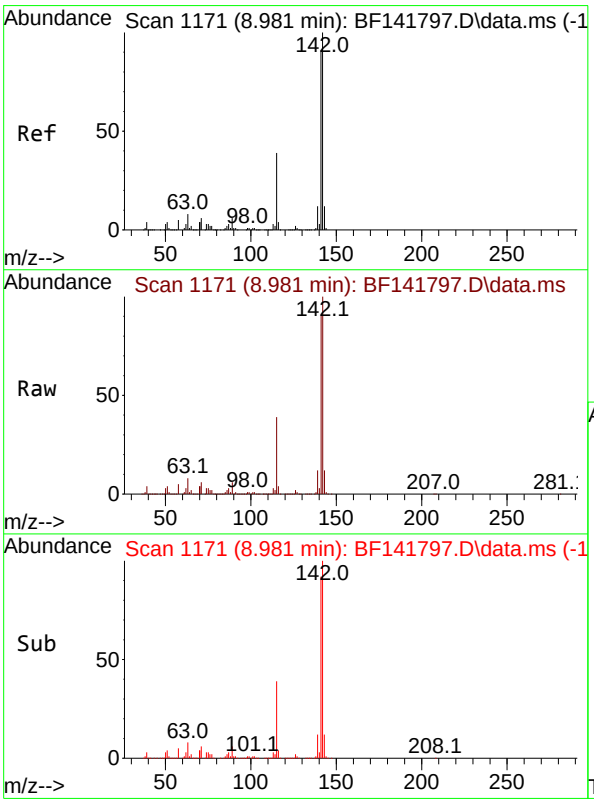
Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.1	106.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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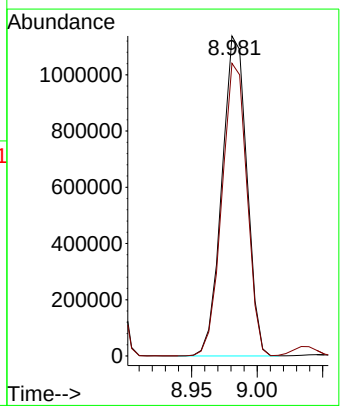
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

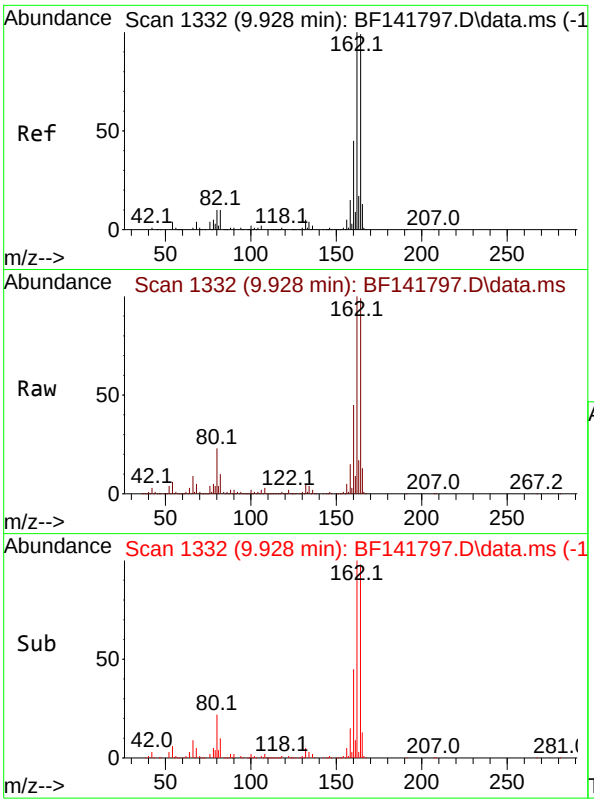


#38
1-Methylnaphthalene
Concen: 40.286 ng
RT: 8.981 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:142 Resp: 1506039

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.1	109.7

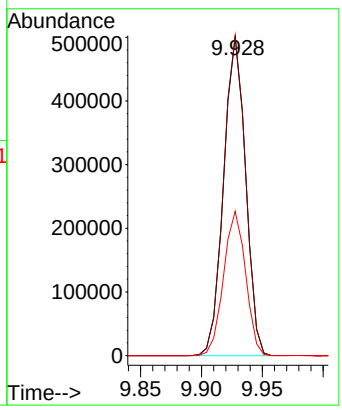




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:164 Resp: 62524

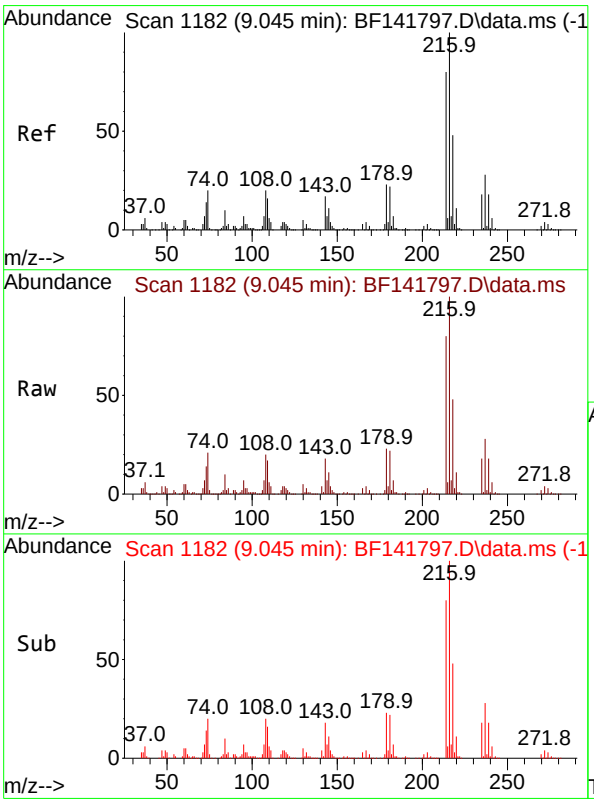
Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.6	120.8
160	45.4	36.3	54.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

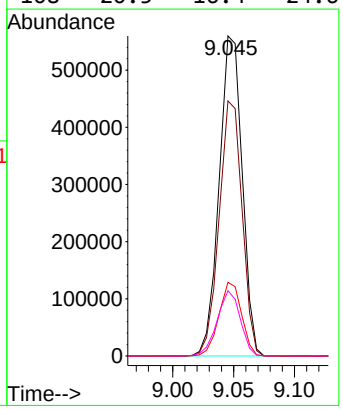
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

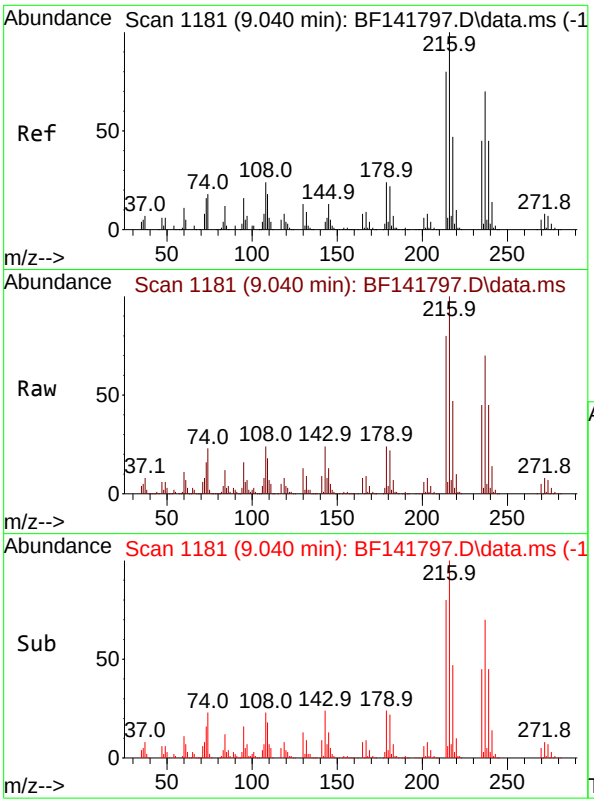


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.786 ng
RT: 9.045 min Scan# 1182
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

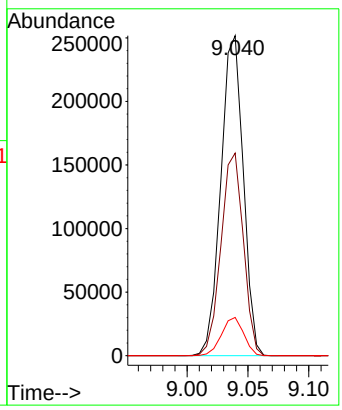
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

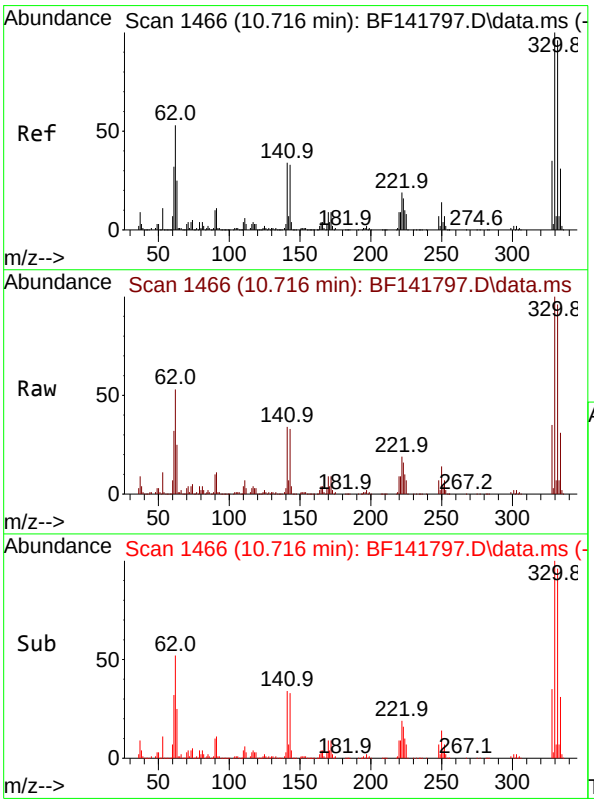
Tgt Ion:237 Resp: 32316

Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.3	83.3
272	11.9	0.0	31.9

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

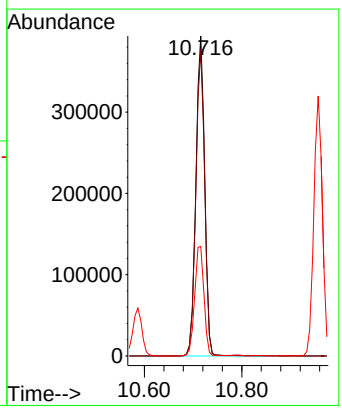


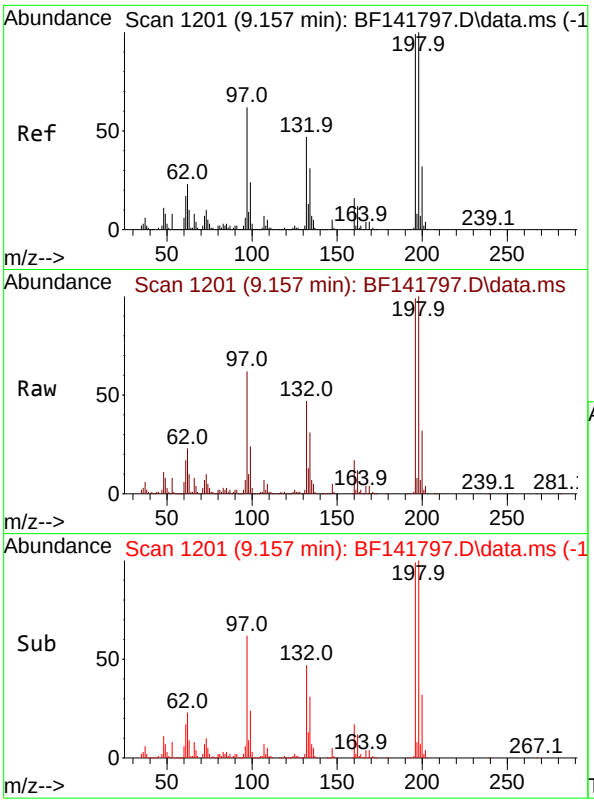


#42
2,4,6-Tribromophenol
Concen: 84.959 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

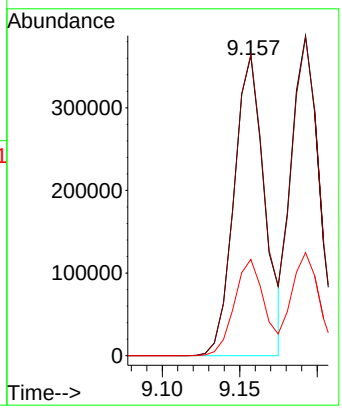




#43
2,4,6-Trichlorophenol
Concen: 42.623 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:196 Resp: 49718

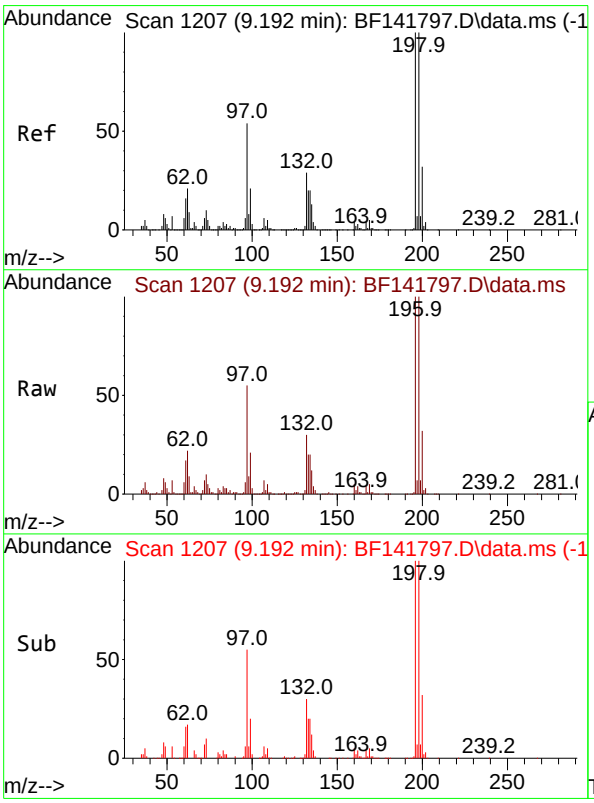
Ion	Ratio	Lower	Upper
196	100		
198	100.5	80.4	120.6
200	32.1	25.7	38.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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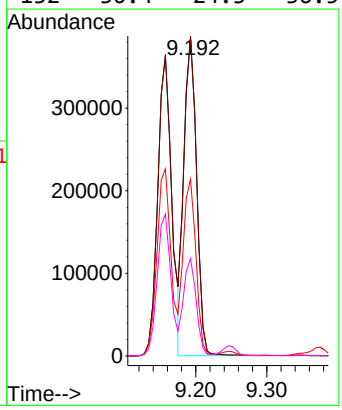
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

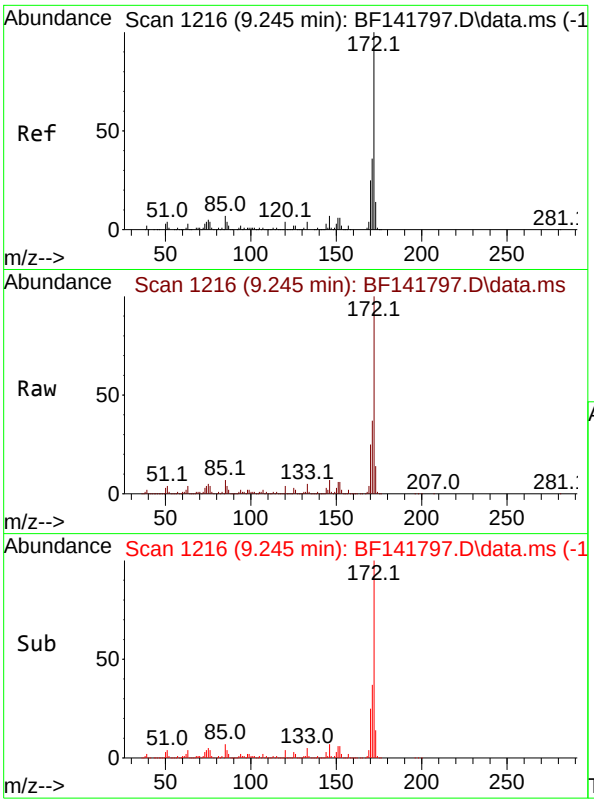


#44
2,4,5-Trichlorophenol
Concen: 41.448 ng
RT: 9.192 min Scan# 1207
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

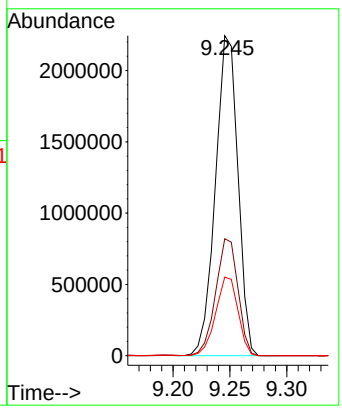




#45
2-Fluorobiphenyl
Concen: 79.348 ng
RT: 9.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:172 Resp: 309407

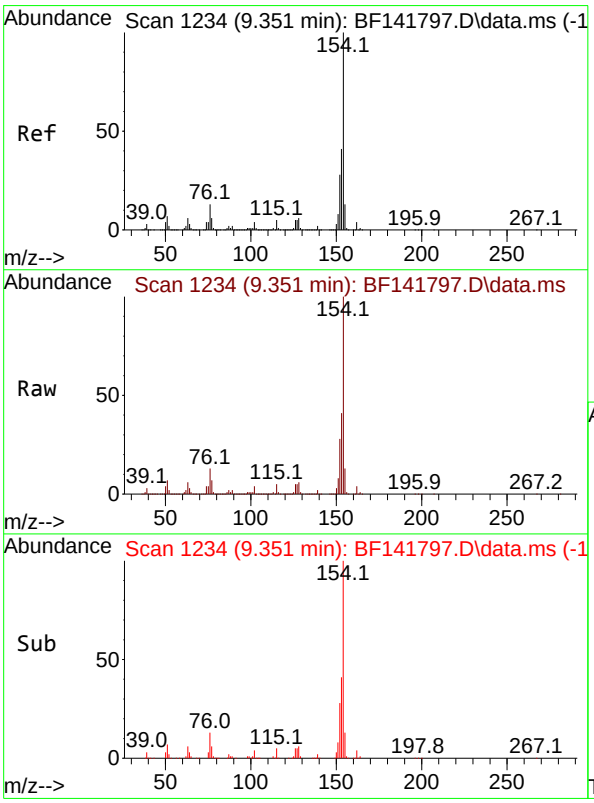
Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.2	43.8
170	24.6	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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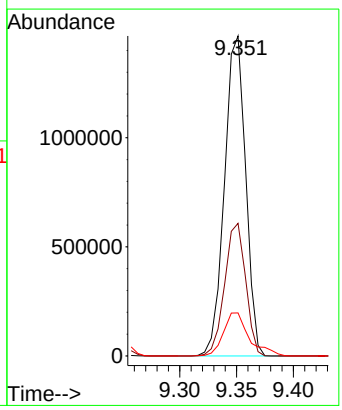
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

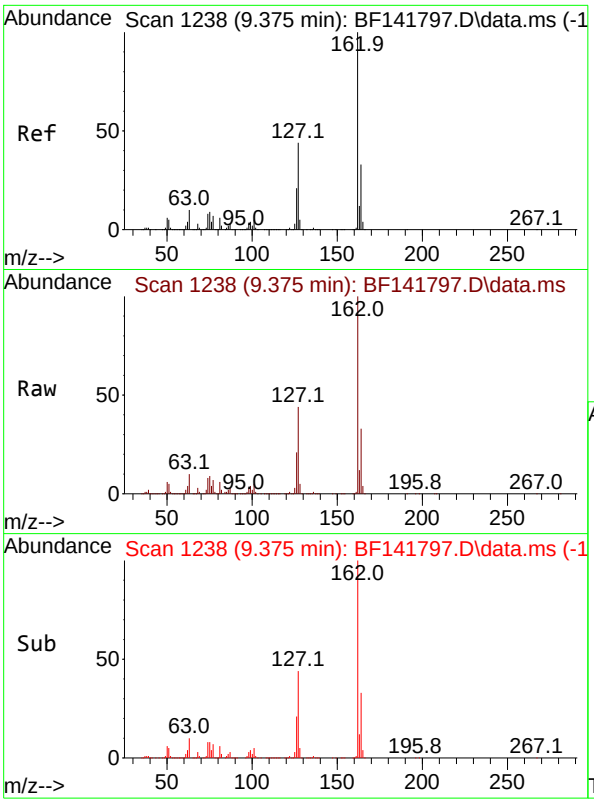


#46
1,1'-Biphenyl
Concen: 39.917 ng
RT: 9.351 min Scan# 1234
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

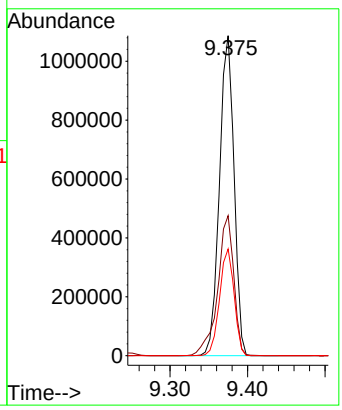




#47
2-Chloronaphthalene
Concen: 40.402 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:162 Resp: 141914

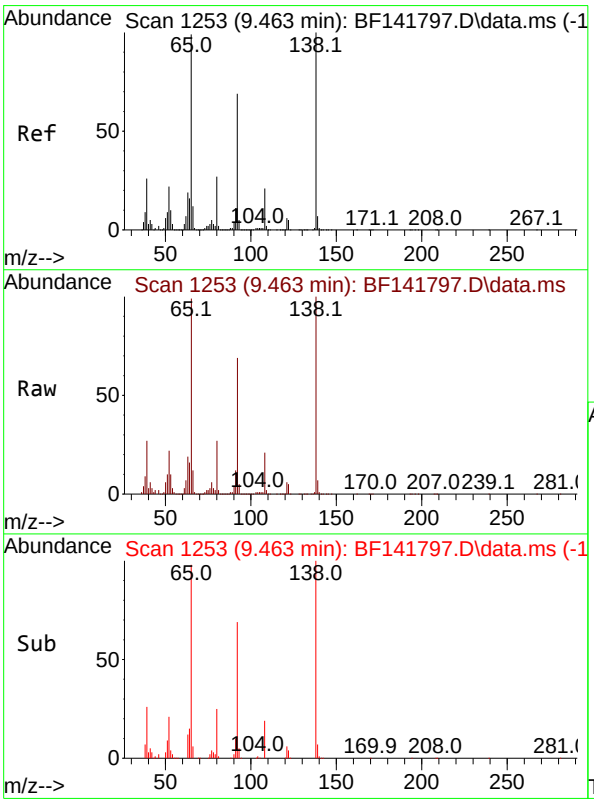
Ion	Ratio	Lower	Upper
162	100		
127	43.8	35.0	52.6
164	33.3	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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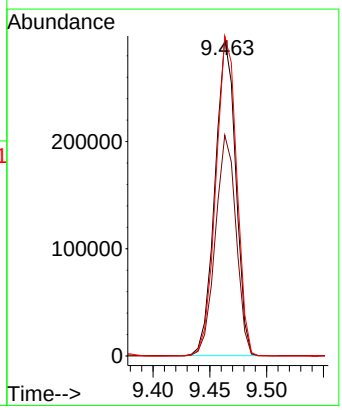
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

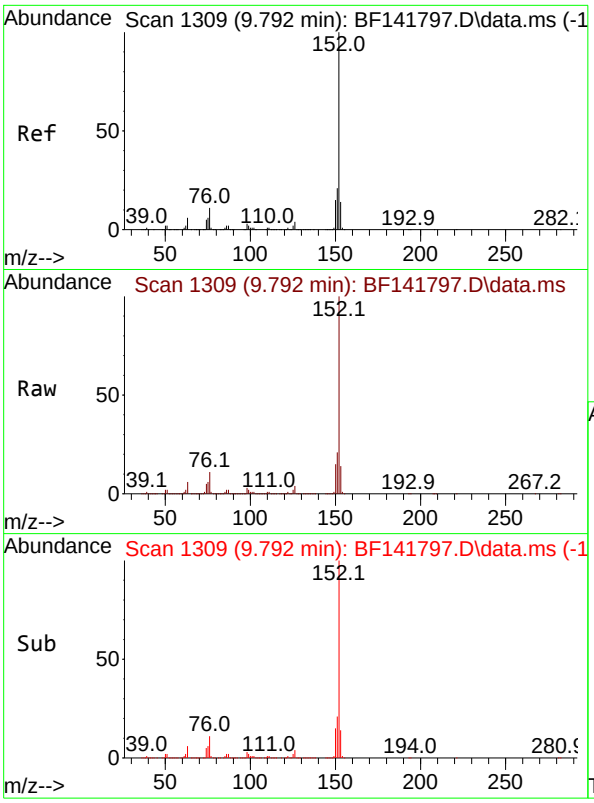


#48
2-Nitroaniline
Concen: 39.827 ng
RT: 9.463 min Scan# 1253
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

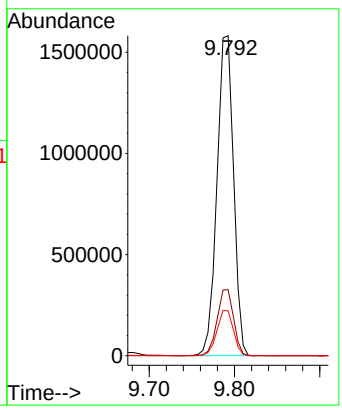
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

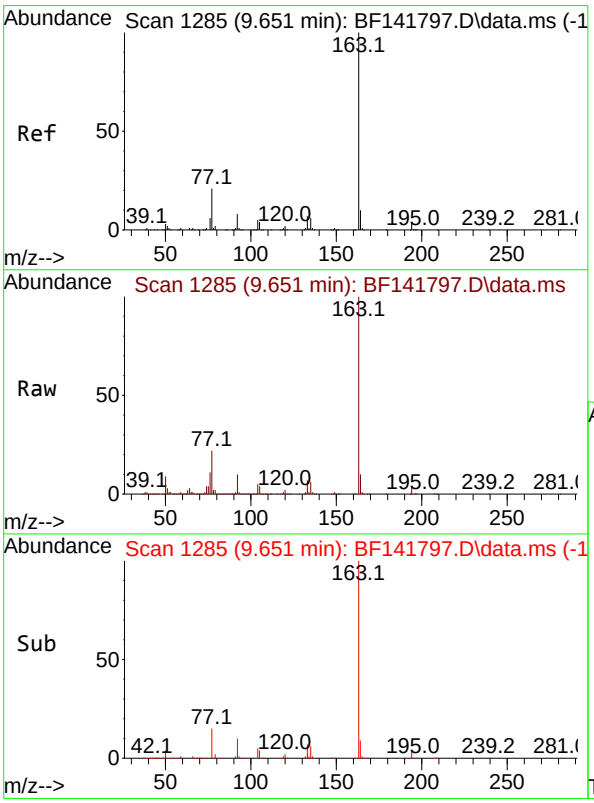
Tgt Ion:152 Resp: 213972

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.6	24.8
153	14.0	11.2	16.8

Manual Integrations
APPROVED

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

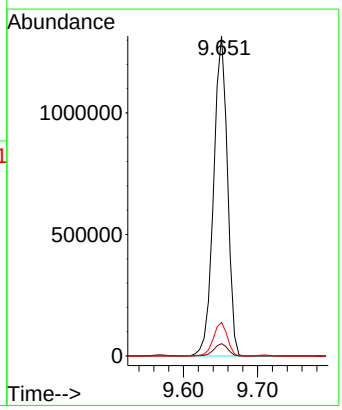


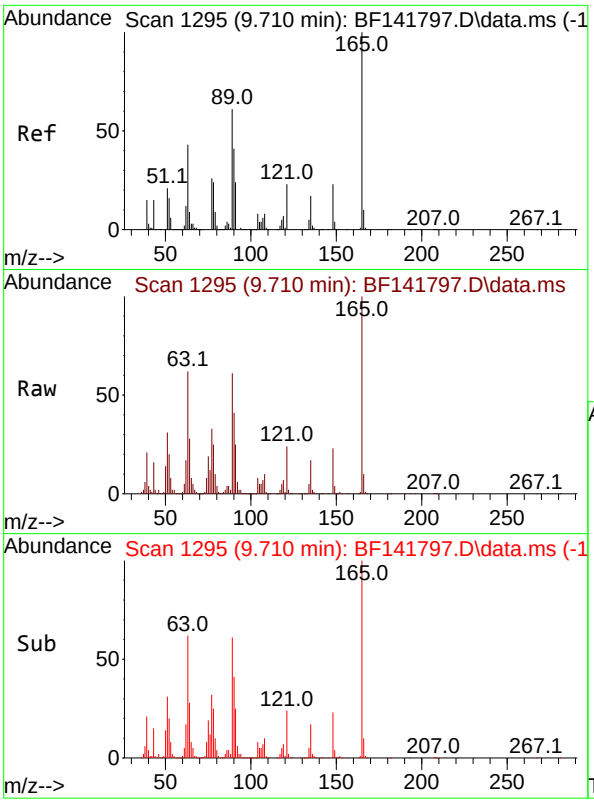


#50
Dimethylphthalate
Concen: 40.710 ng
RT: 9.651 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

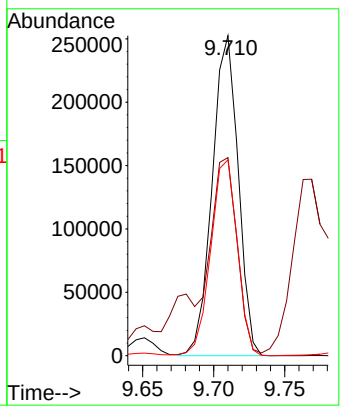




#51
2,6-Dinitrotoluene
Concen: 40.557 ng
RT: 9.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:165 Resp: 32112

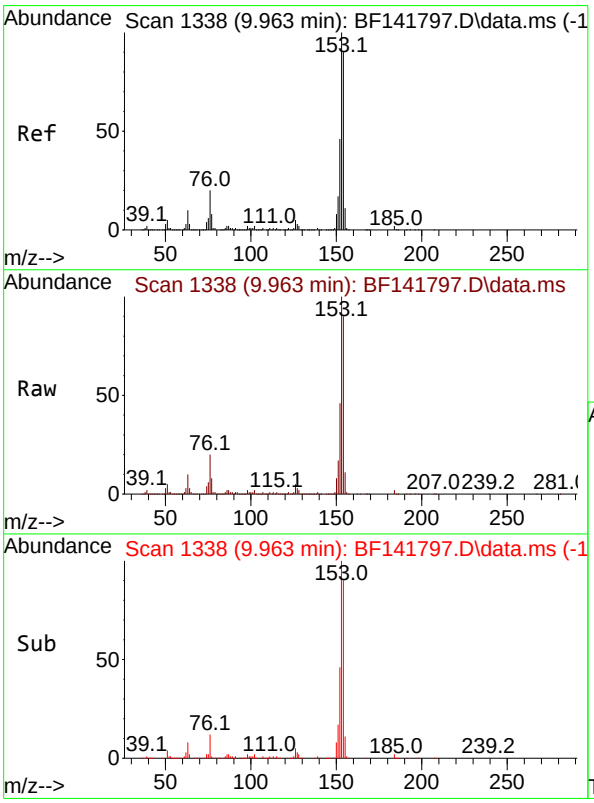
Ion	Ratio	Lower	Upper
165	100		
63	61.9	49.5	74.3
89	61.2	49.0	73.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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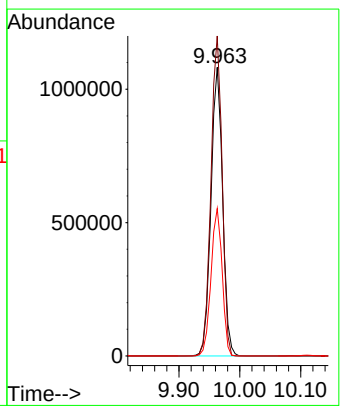
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

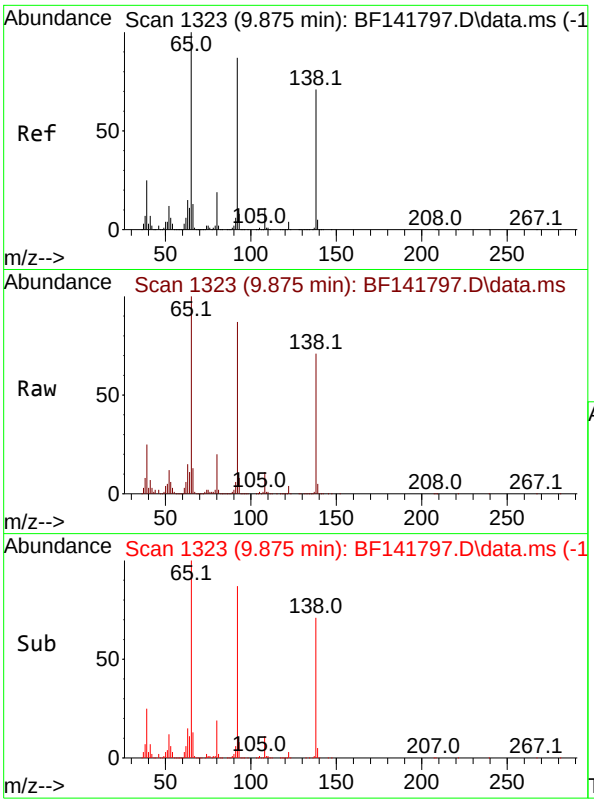


#52
Acenaphthene
Concen: 40.461 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

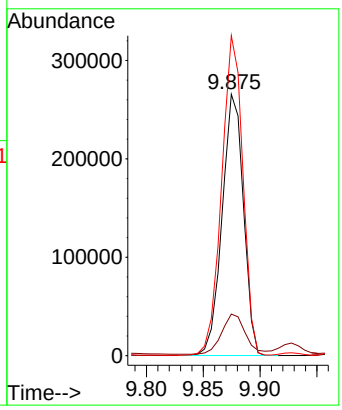
Tgt Ion:138 Resp: 34629

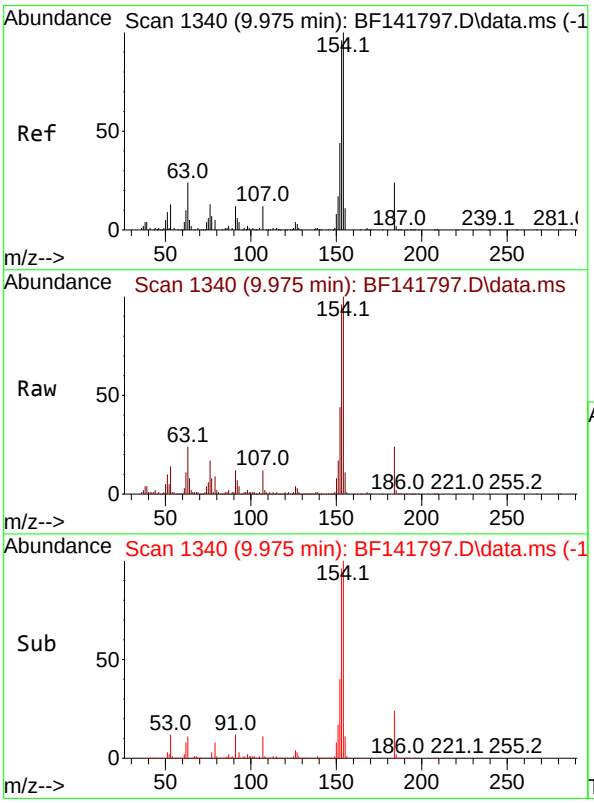
Ion	Ratio	Lower	Upper
138	100		
108	15.9	12.7	19.1
92	122.4	97.9	146.9

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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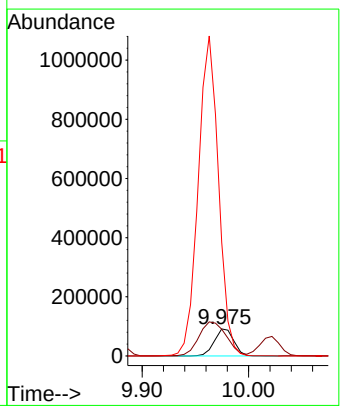


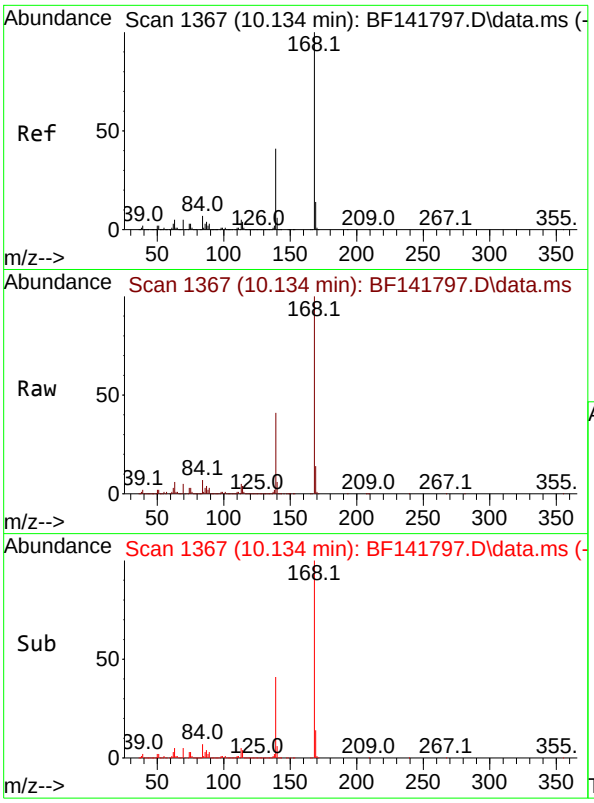


#54
2,4-Dinitrophenol
Concen: 39.874 ng
RT: 9.975 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

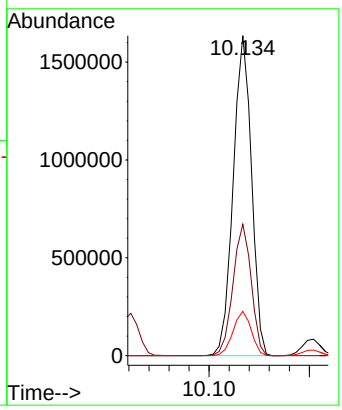
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

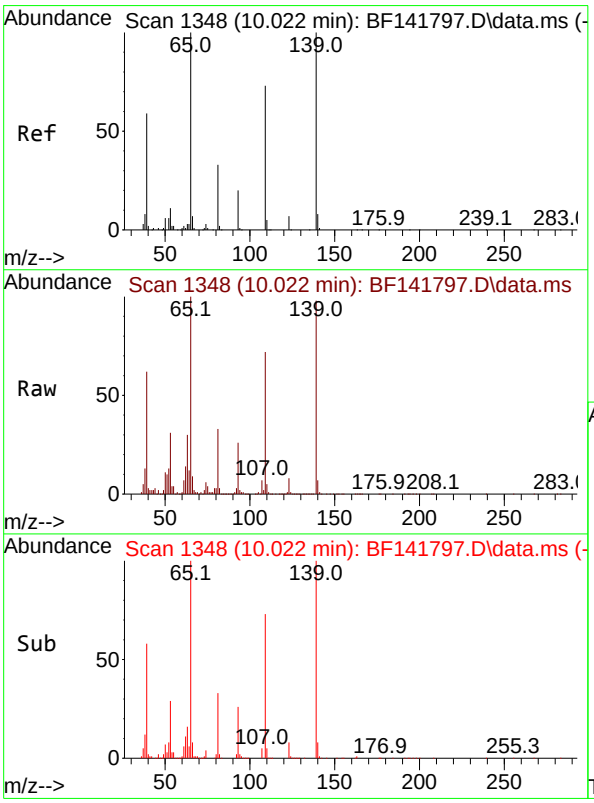
Tgt Ion:168 Resp: 207913

Ion	Ratio	Lower	Upper
168	100		
139	41.1	32.9	49.3
169	13.9	11.1	16.7

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Supervised By :mohammad ahmed 02/28/2025

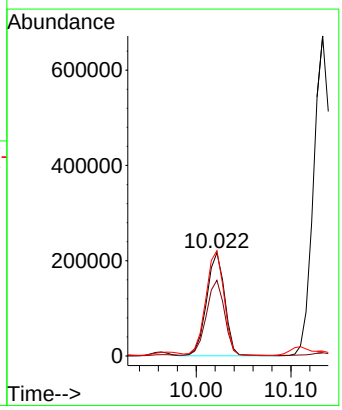


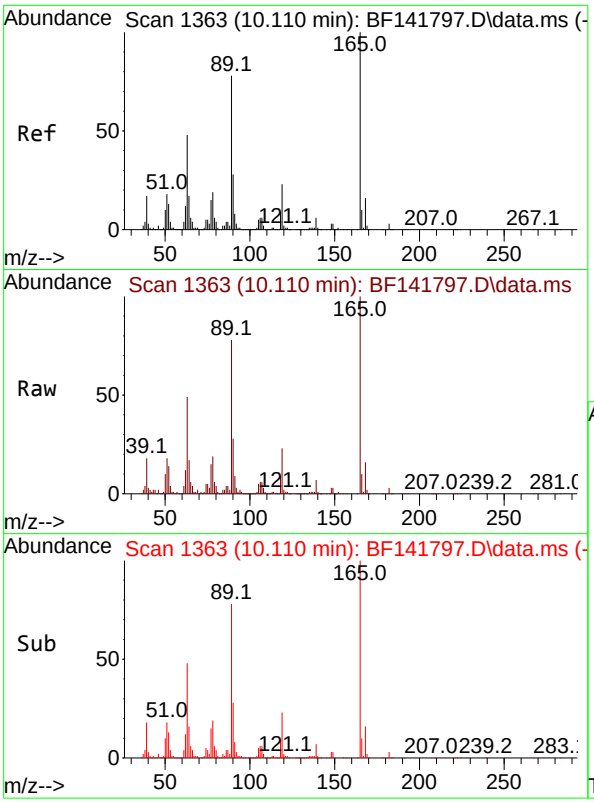


#56
4-Nitrophenol
Concen: 46.172 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

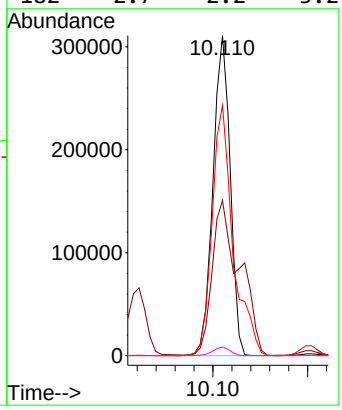




#57
2,4-Dinitrotoluene
Concen: 40.635 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:165 Resp: 39185

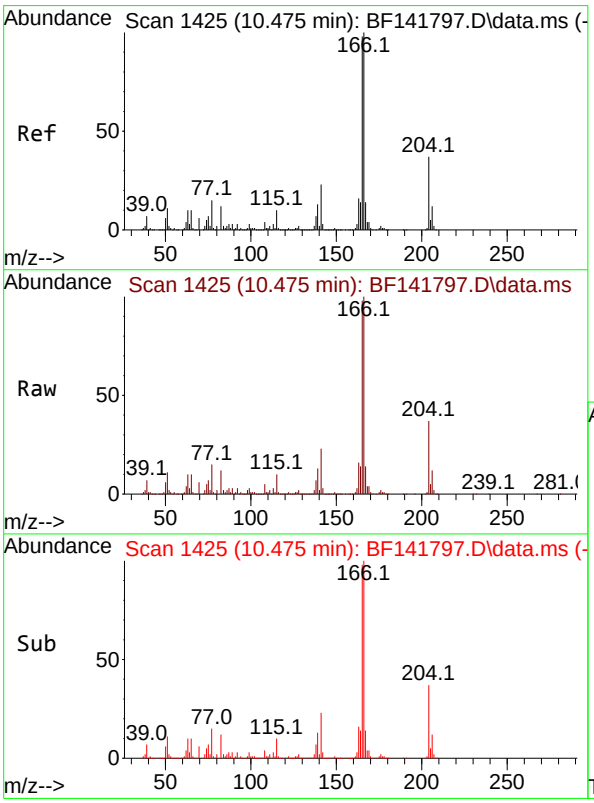
Ion	Ratio	Lower	Upper
165	100		
63	48.5	38.8	58.2
89	78.3	62.6	94.0
182	2.7	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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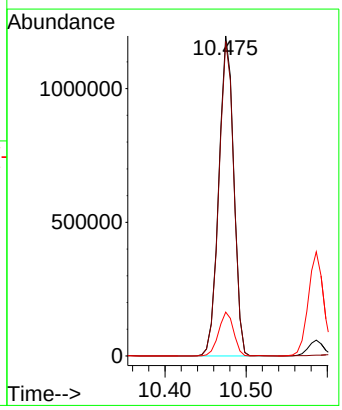
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

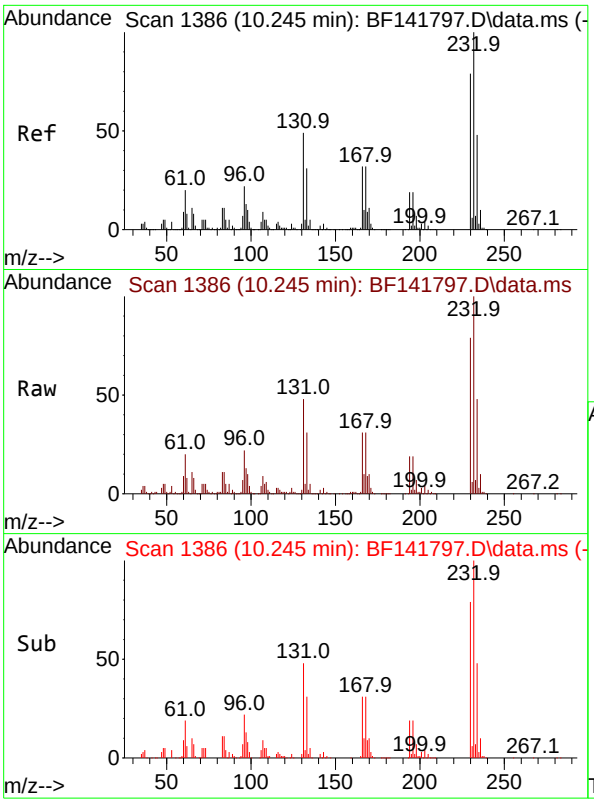


#58
Fluorene
Concen: 39.650 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

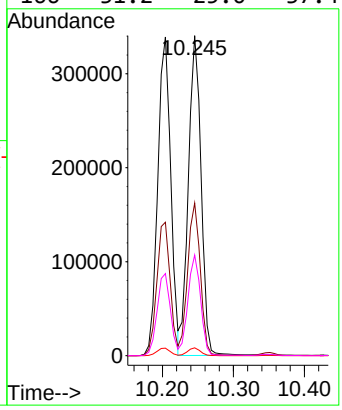




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.235 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:232 Resp: 42427

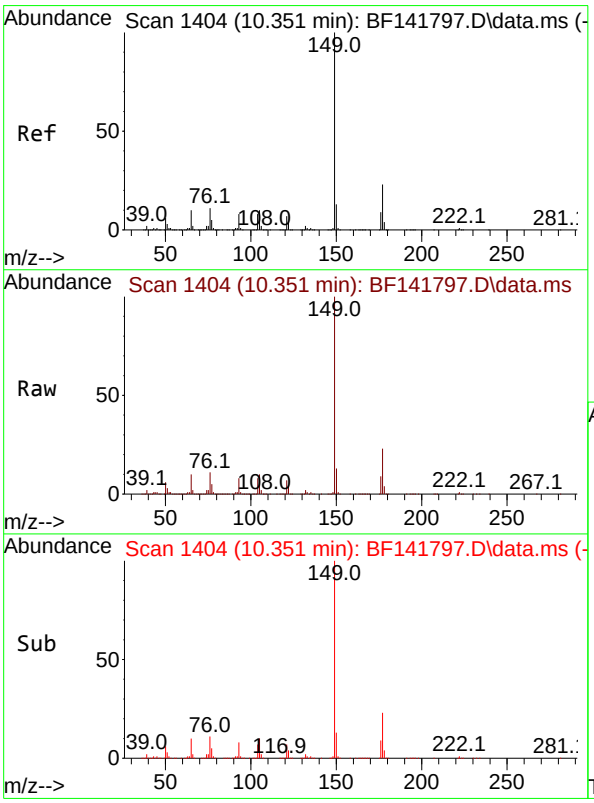
Ion	Ratio	Lower	Upper
232	100		
131	47.3	37.8	56.8
130	2.5	2.0	3.0
166	31.2	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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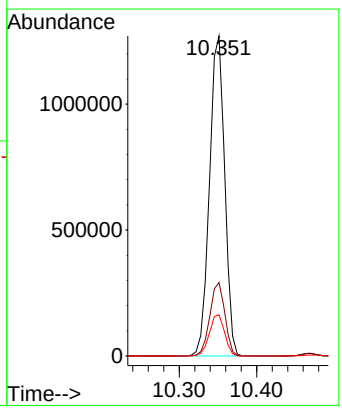
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

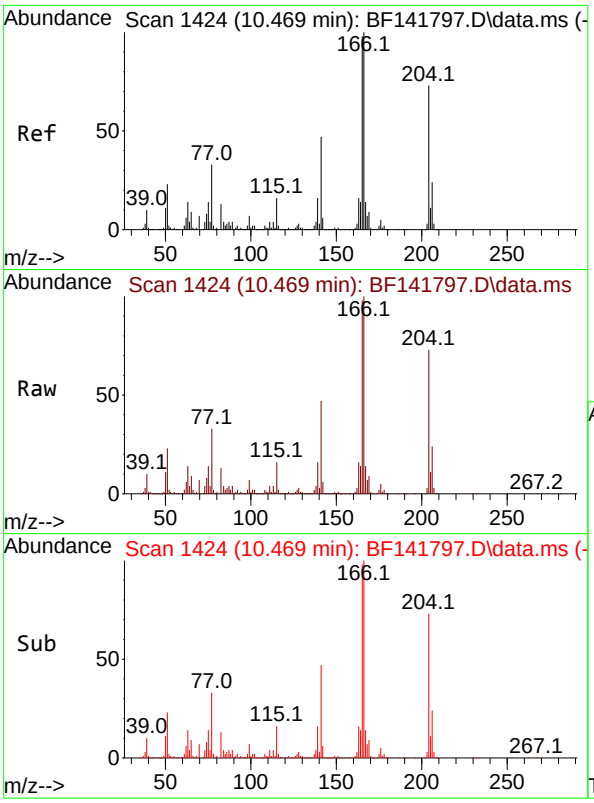


#60
Diethylphthalate
Concen: 41.203 ng
RT: 10.351 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

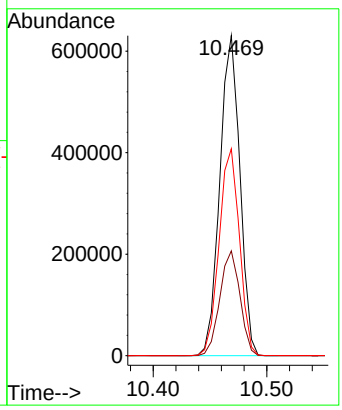
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

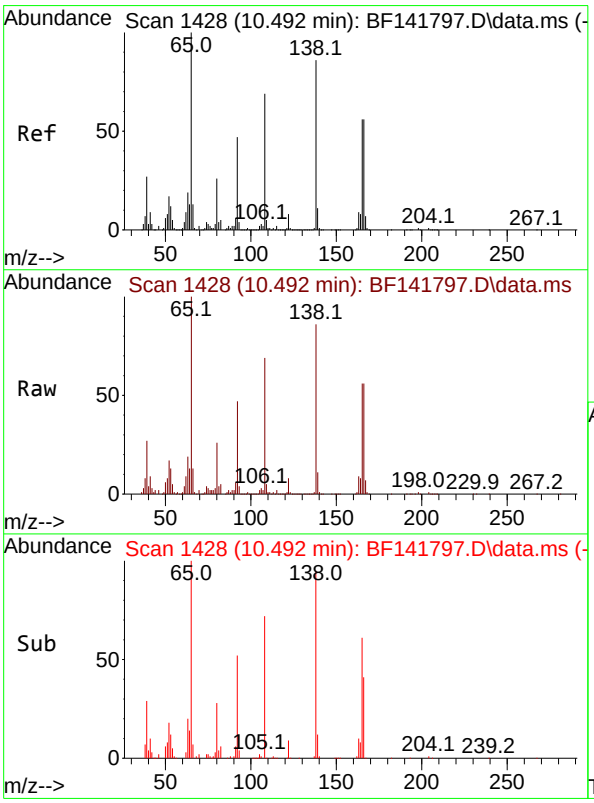
Tgt Ion:204 Resp: 77527

Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.2	39.4
141	64.6	51.7	77.5

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Supervised By :mohammad ahmed 02/28/2025

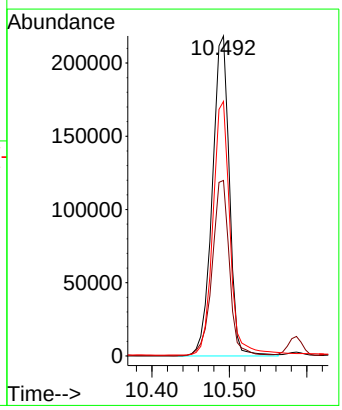


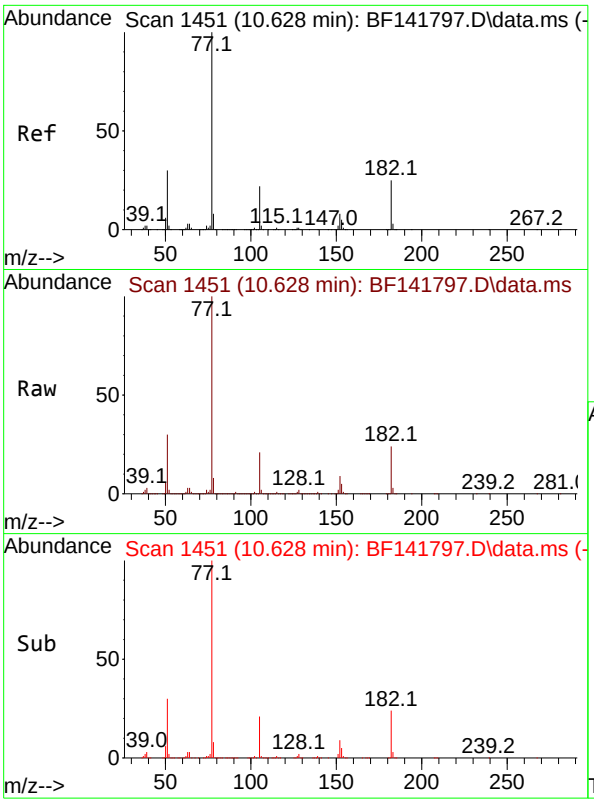


#62
4-Nitroaniline
Concen: 46.685 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

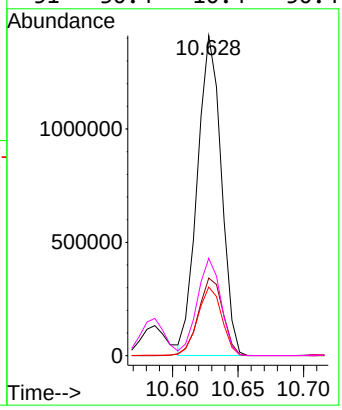




#63
Azobenzene
Concen: 40.657 ng
RT: 10.628 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 77 Resp: 179690

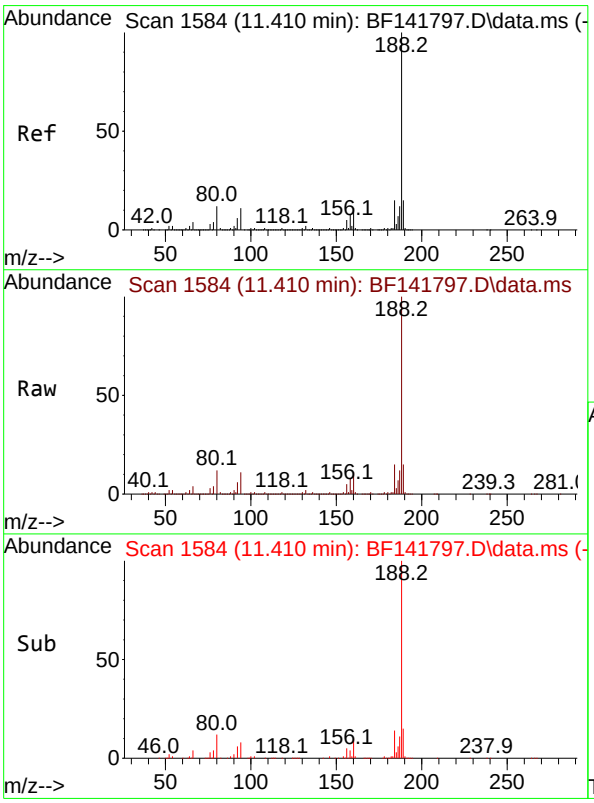
Ion	Ratio	Lower	Upper
77	100		
182	24.2	4.2	44.2
105	21.5	1.5	41.5
51	30.4	10.4	50.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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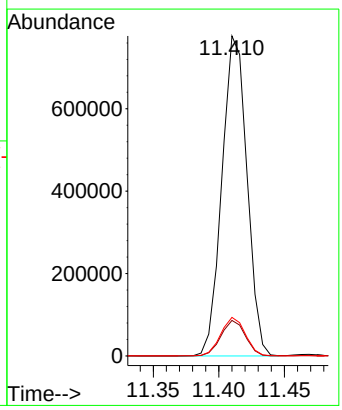
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

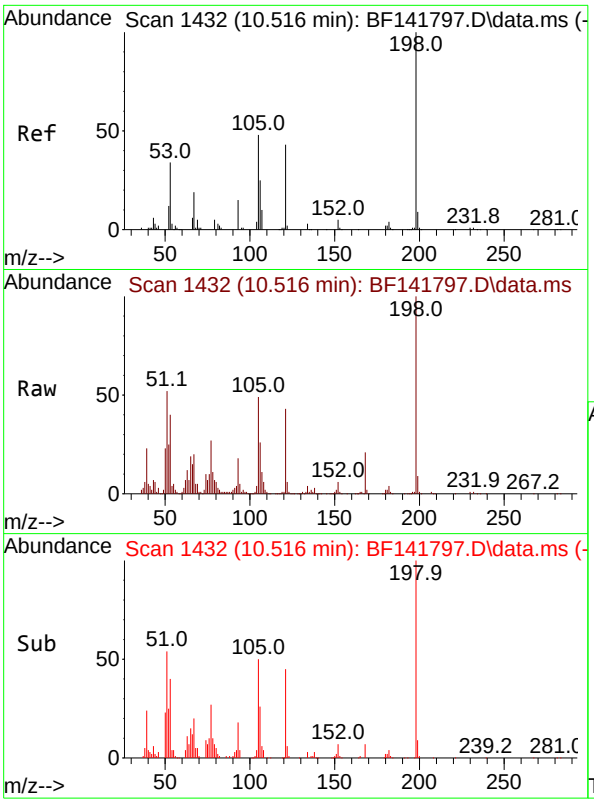


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

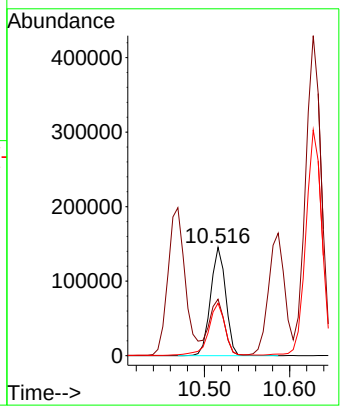
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

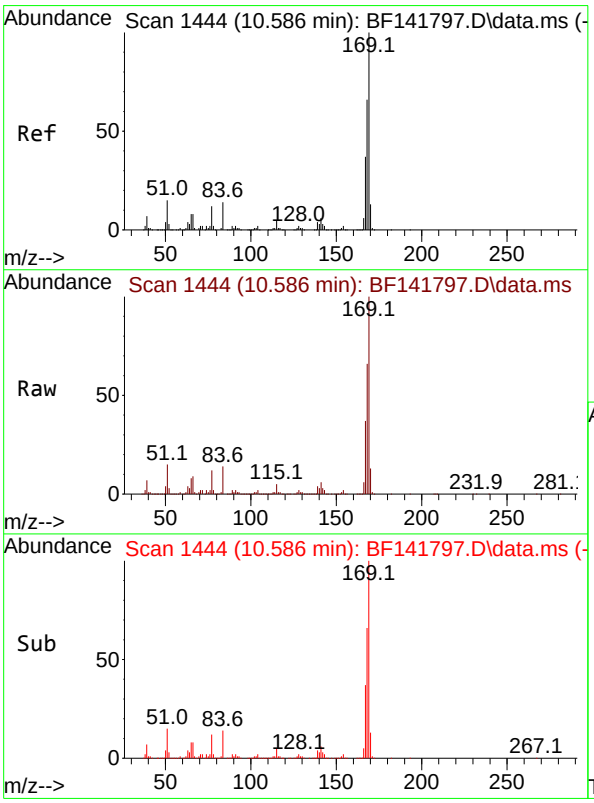
Tgt Ion:198 Resp: 179018

Ion	Ratio	Lower	Upper
198	100		
51	52.1	32.1	72.1
105	48.5	28.5	68.5

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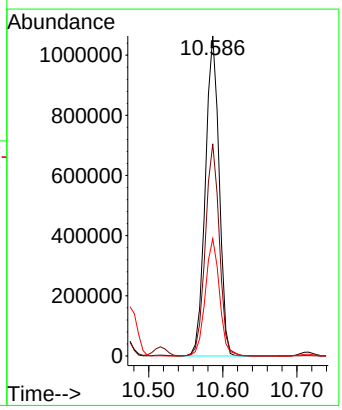


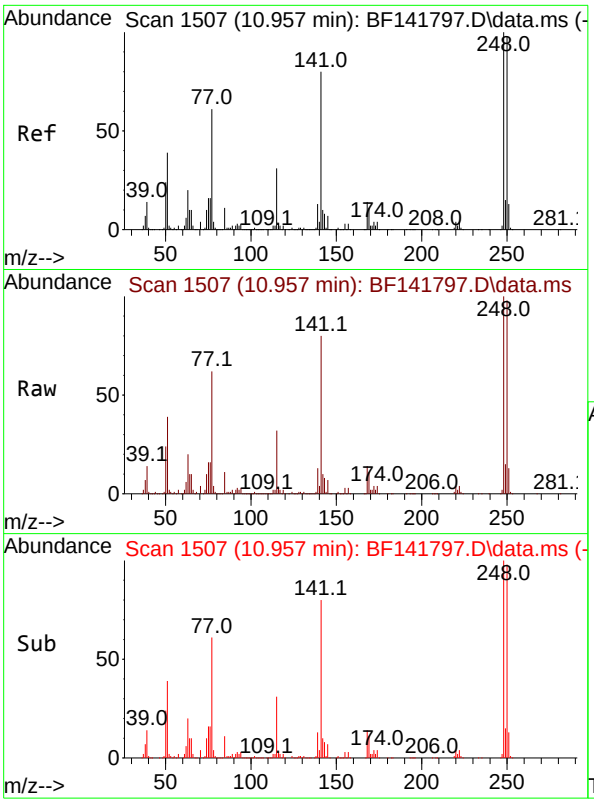


#66
n-Nitrosodiphenylamine
Concen: 40.485 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

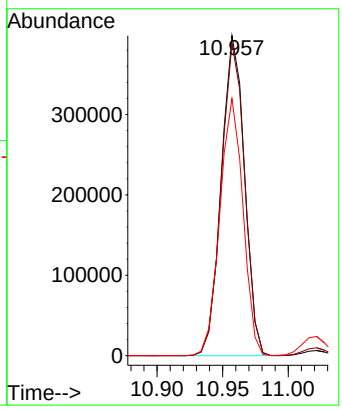




#67
4-Bromophenyl-phenylether
Concen: 40.722 ng
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:248 Resp: 49081

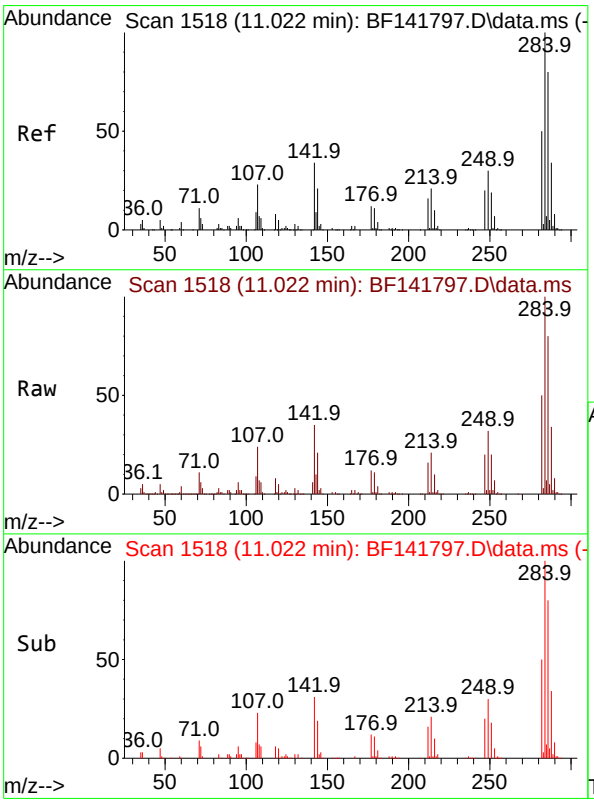
Ion	Ratio	Lower	Upper
248	100		
250	97.6	78.1	117.1
141	80.4	64.3	96.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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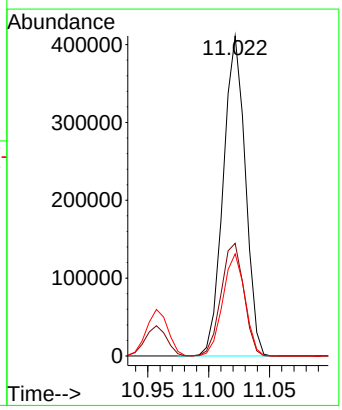
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

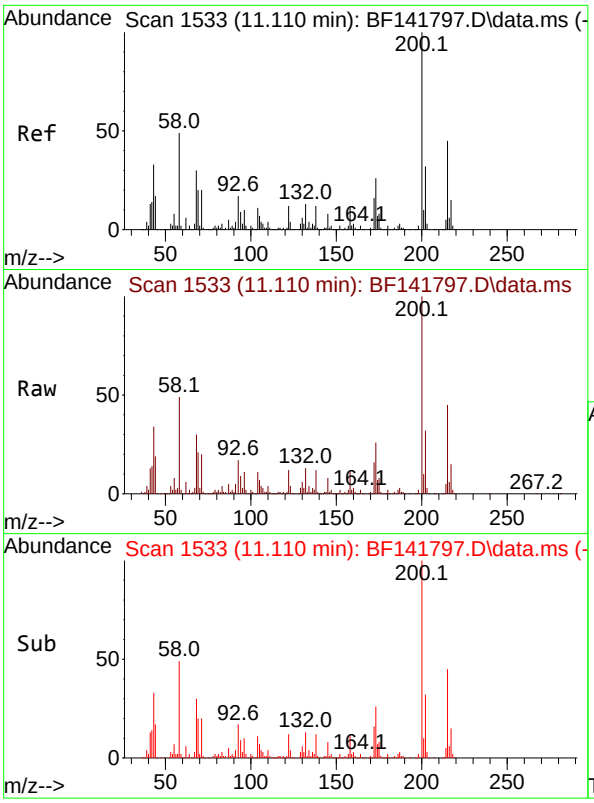


#68
Hexachlorobenzene
Concen: 40.721 ng
RT: 11.022 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

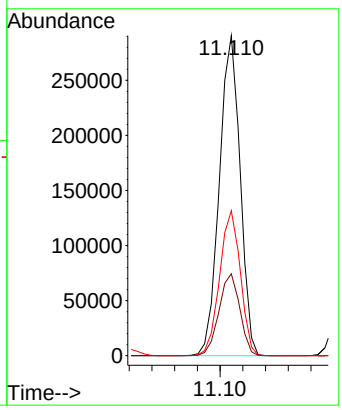
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

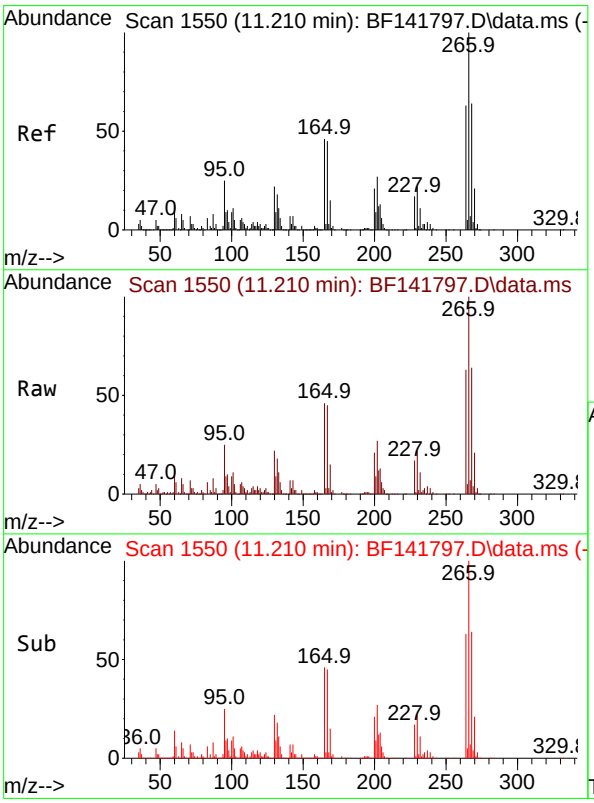
Tgt Ion:200 Resp: 36943

Ion	Ratio	Lower	Upper
200	100		
173	25.6	5.6	45.6
215	45.3	25.3	65.3

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

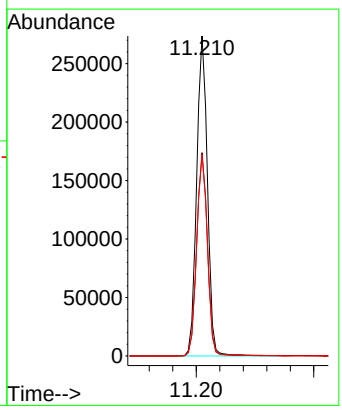


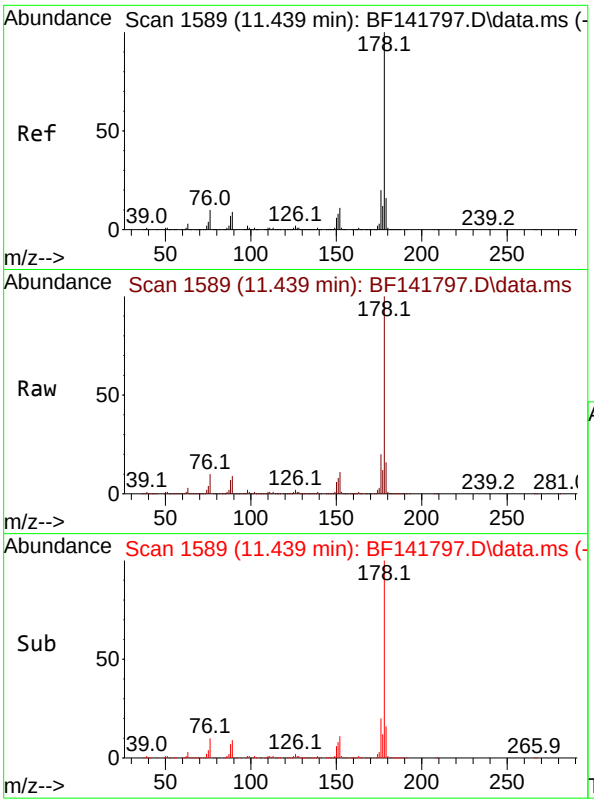


#70
Pentachlorophenol
Concen: 43.086 ng
RT: 11.210 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

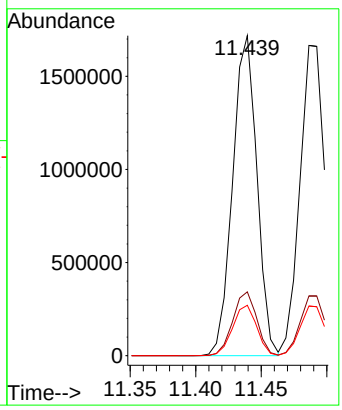




#71
Phenanthrene
Concen: 40.130 ng
RT: 11.439 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:178 Resp: 221495

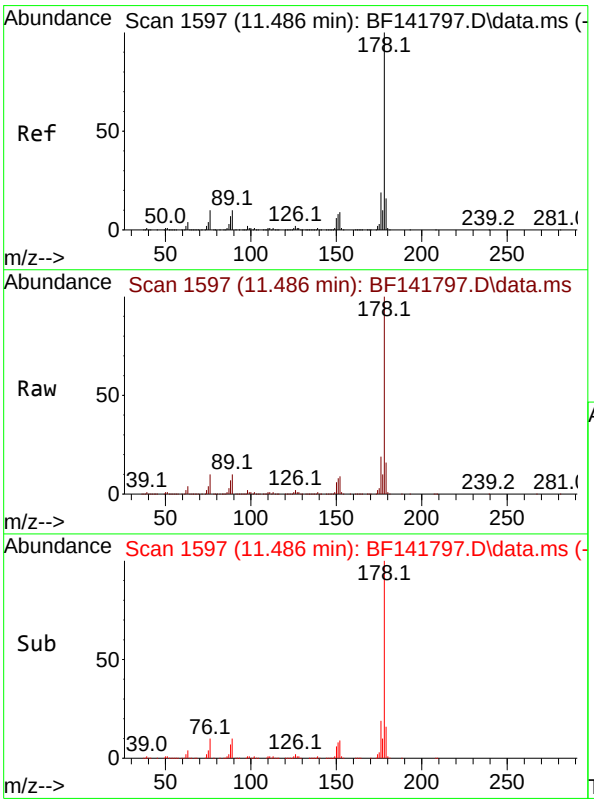
Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.0	24.0
179	15.8	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

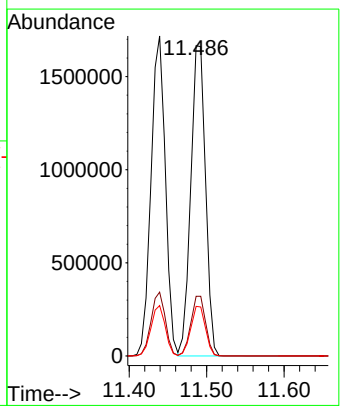
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

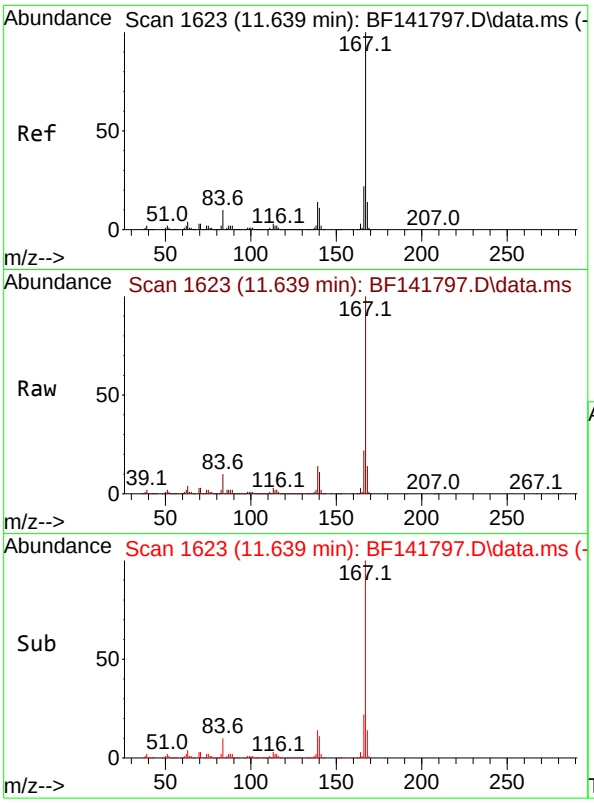


#72
Anthracene
Concen: 39.845 ng
RT: 11.486 min Scan# 1597
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

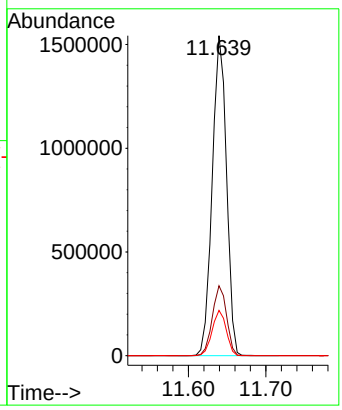




#73
Carbazole
Concen: 40.358 ng
RT: 11.639 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:167 Resp: 197149

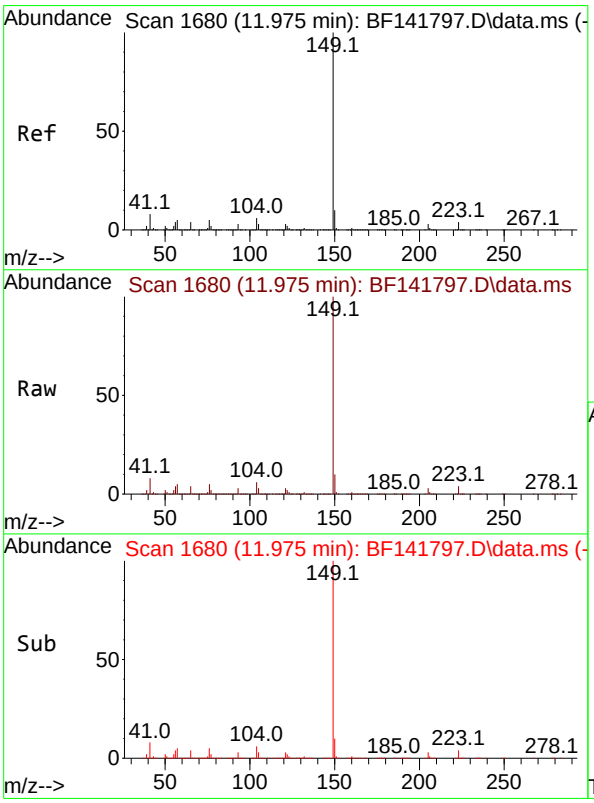
Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.5	26.3
139	14.1	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

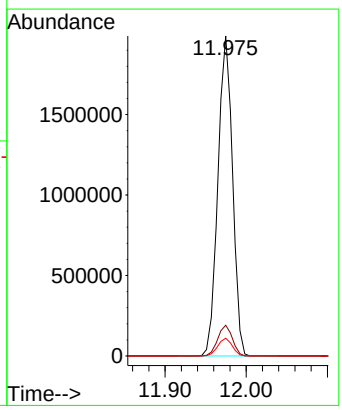
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

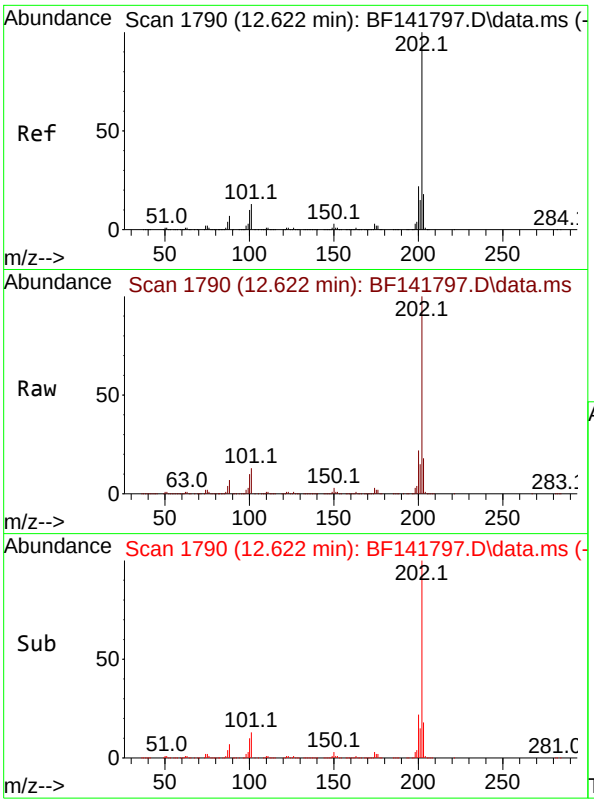


#74
Di-n-butylphthalate
Concen: 40.274 ng
RT: 11.975 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

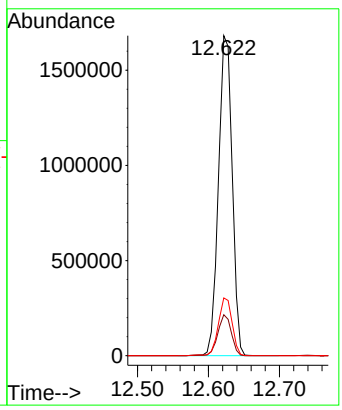




#75
Fluoranthene
Concen: 39.753 ng
RT: 12.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:202 Resp: 224828

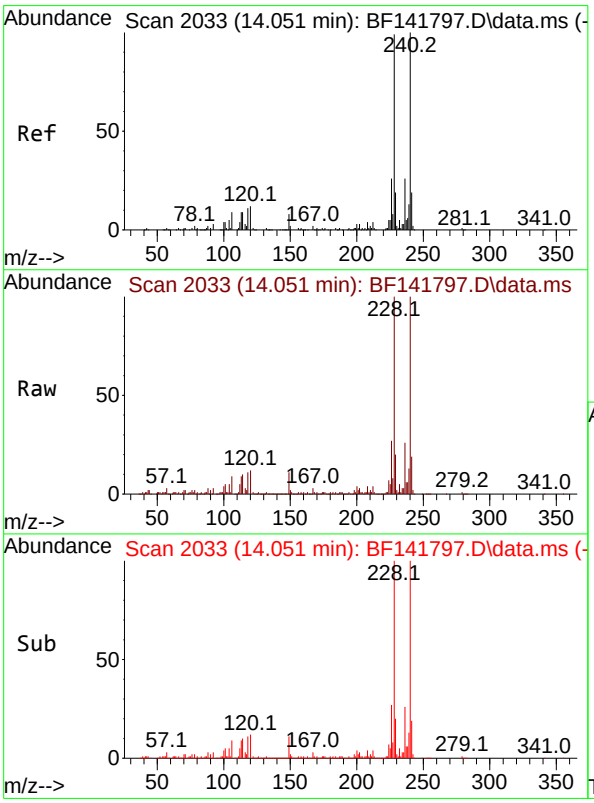
Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	32.8
203	18.0	0.0	38.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

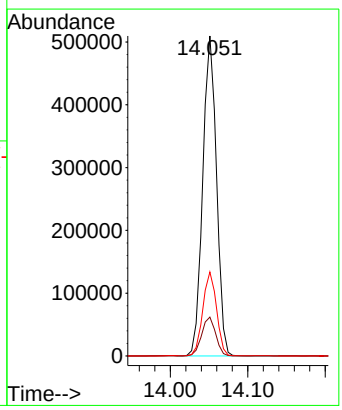
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

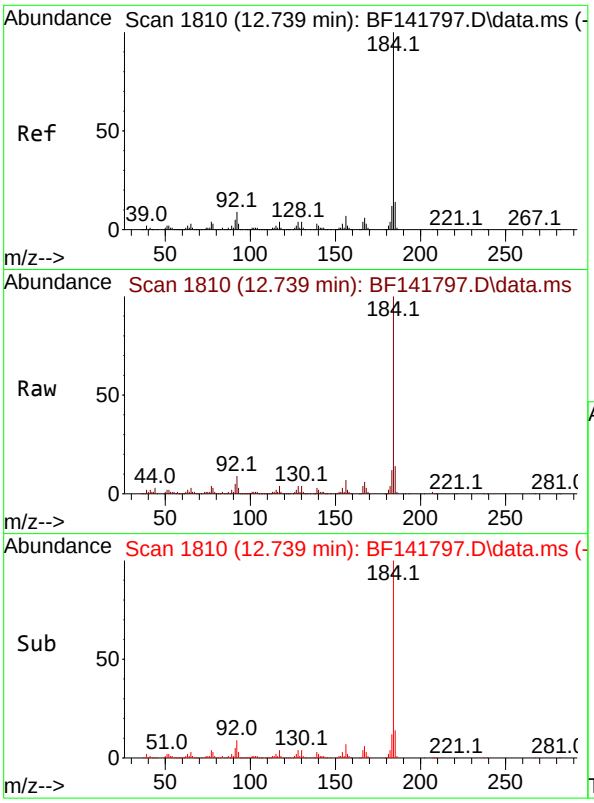


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

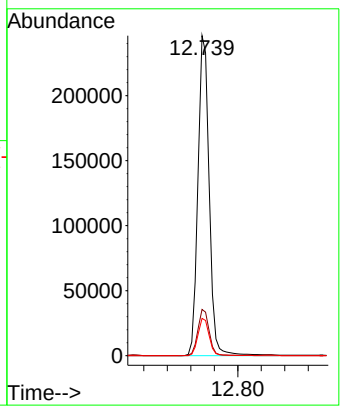
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

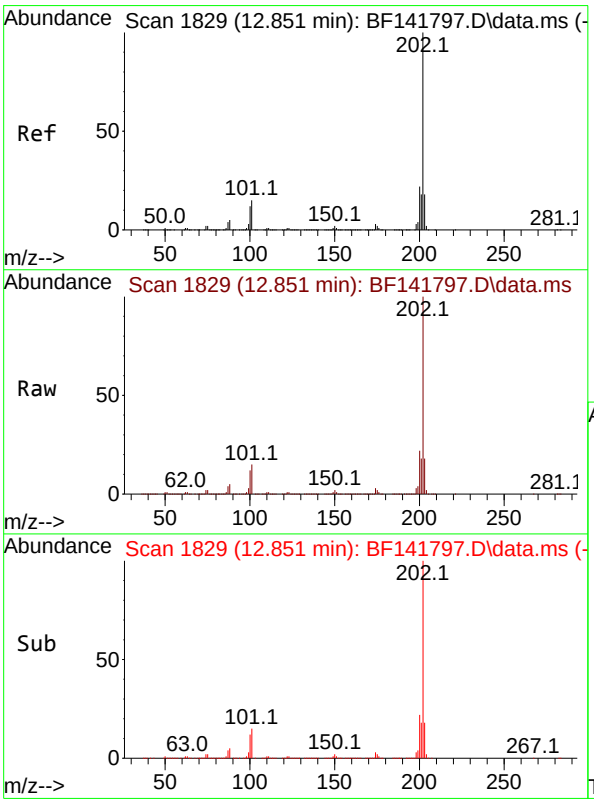
Tgt Ion:184 Resp: 32660

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

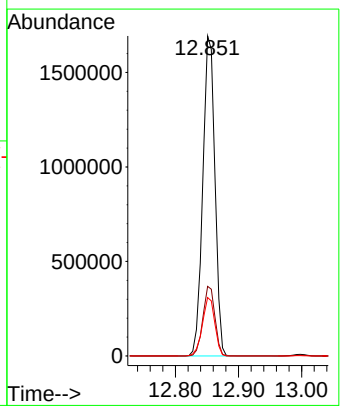


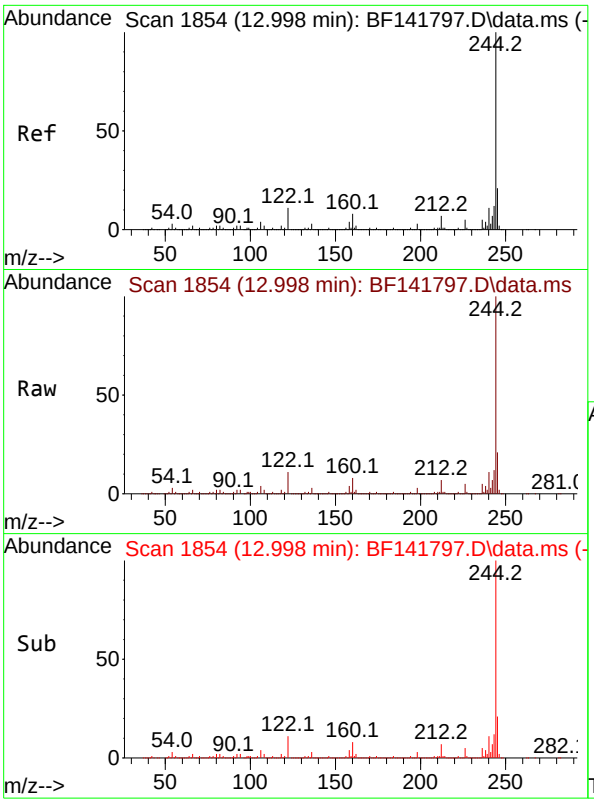


#78
Pyrene
Concen: 41.470 ng
RT: 12.851 min Scan# 1829
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

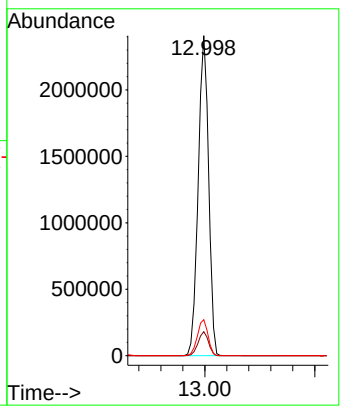




#79
Terphenyl-d14
Concen: 81.511 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:244 Resp: 317044

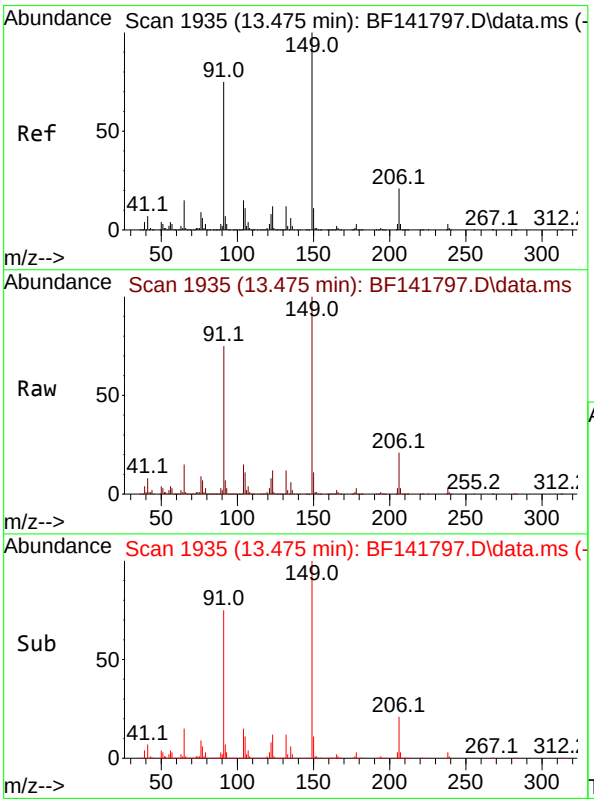
Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	11.3	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

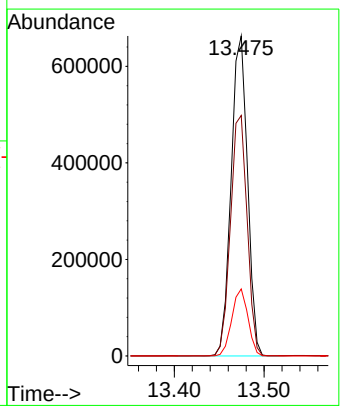
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

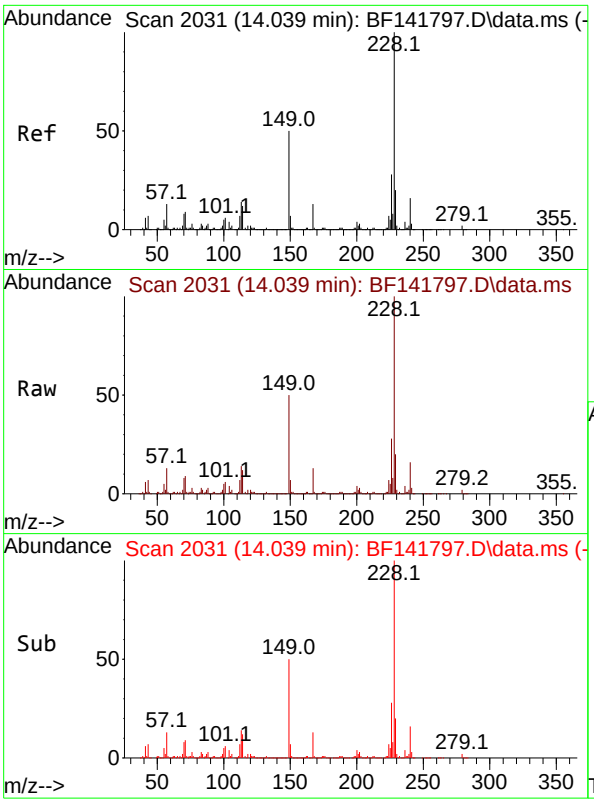


#80
Butylbenzylphthalate
Concen: 42.452 ng
RT: 13.475 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

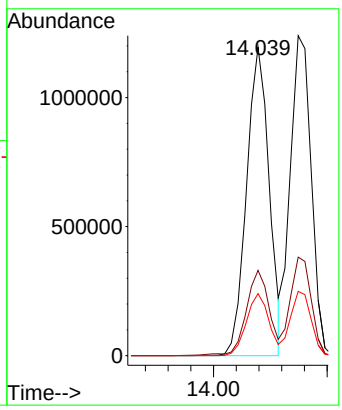




#81
Benzo(a)anthracene
Concen: 39.742 ng
RT: 14.039 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:228 Resp: 165193

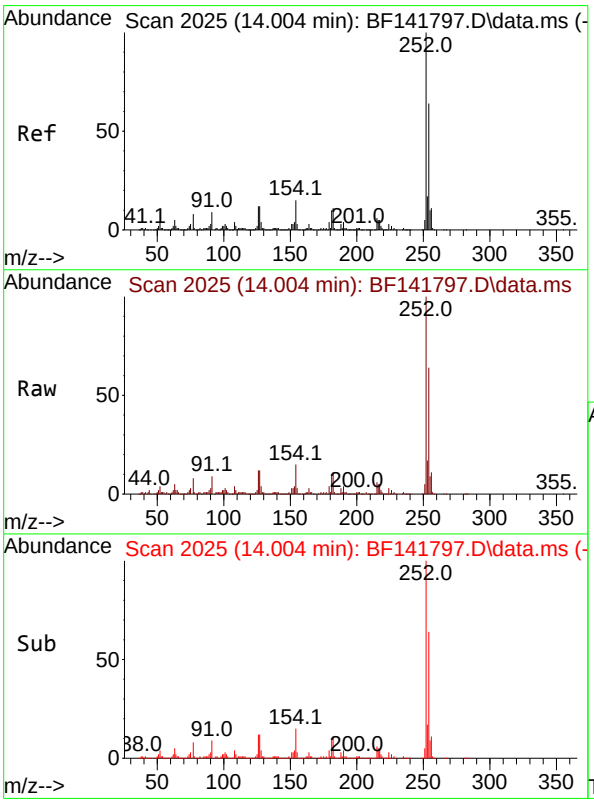
Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	20.1	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

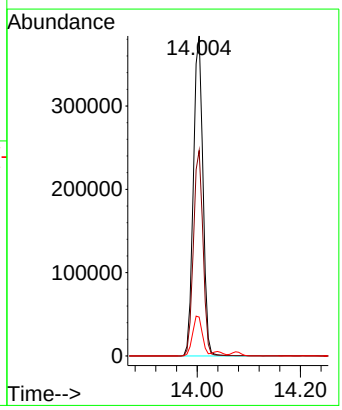
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

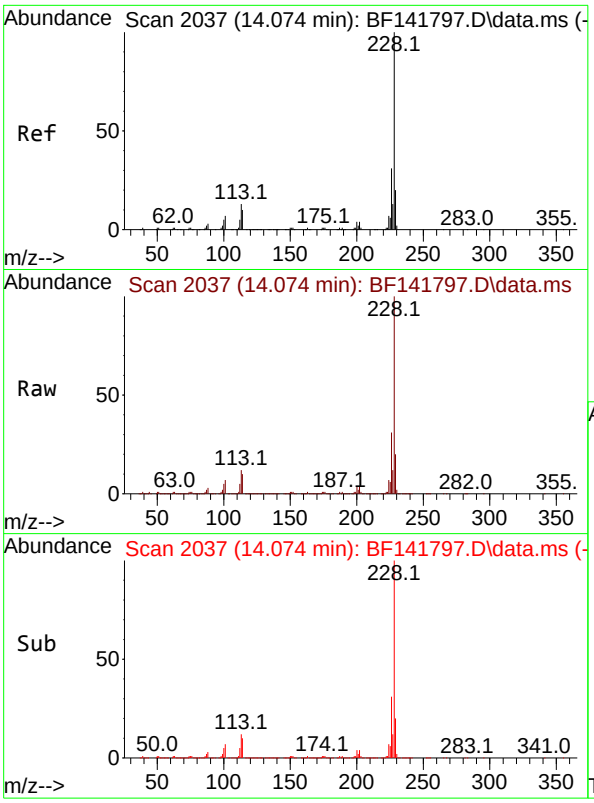


#82
3,3'-Dichlorobenzidine
Concen: 41.467 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

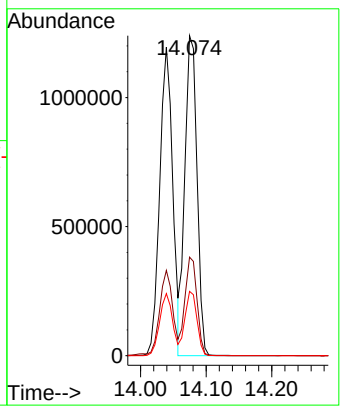




#83
Chrysene
Concen: 41.543 ng
RT: 14.074 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:228 Resp: 159181

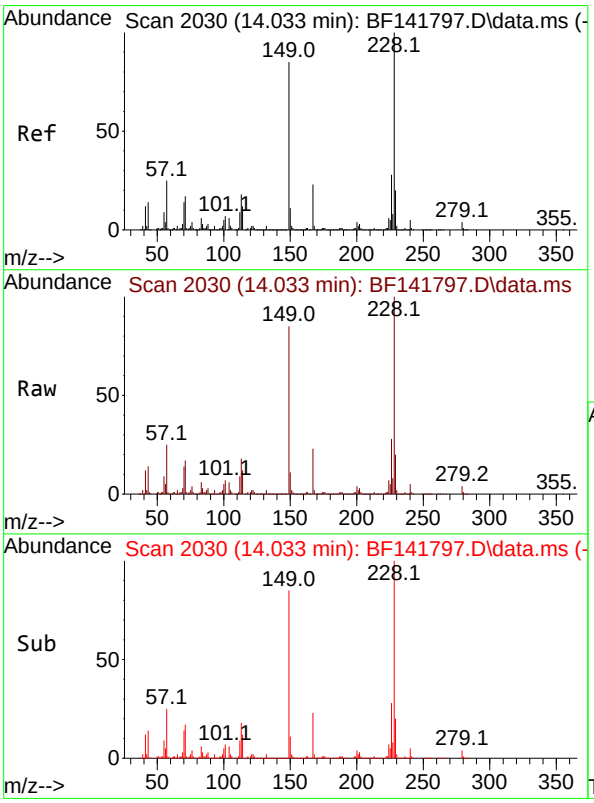
Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.6	37.0
229	20.1	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

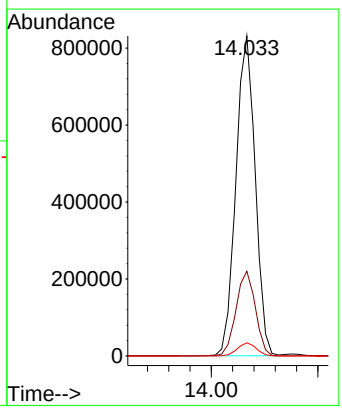
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

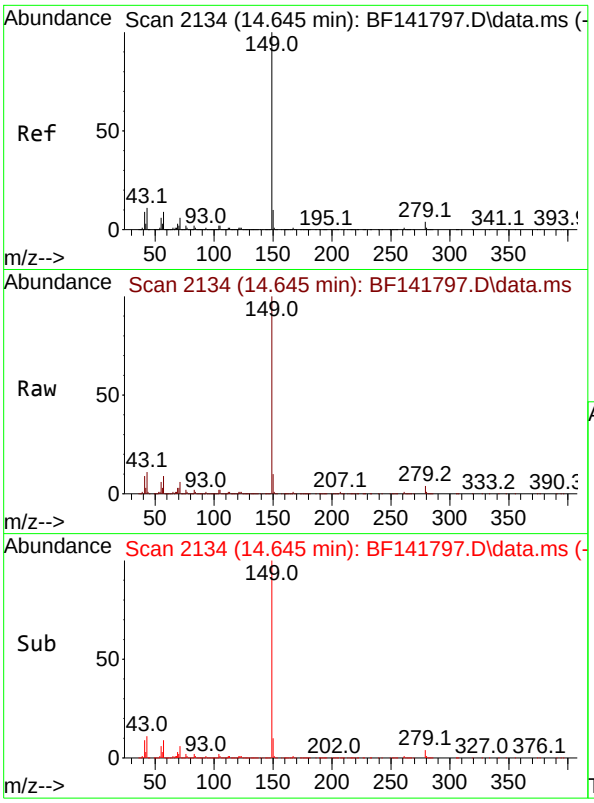


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.458 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

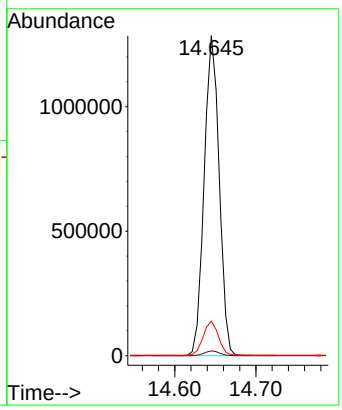
Tgt Ion:149 Resp: 164490

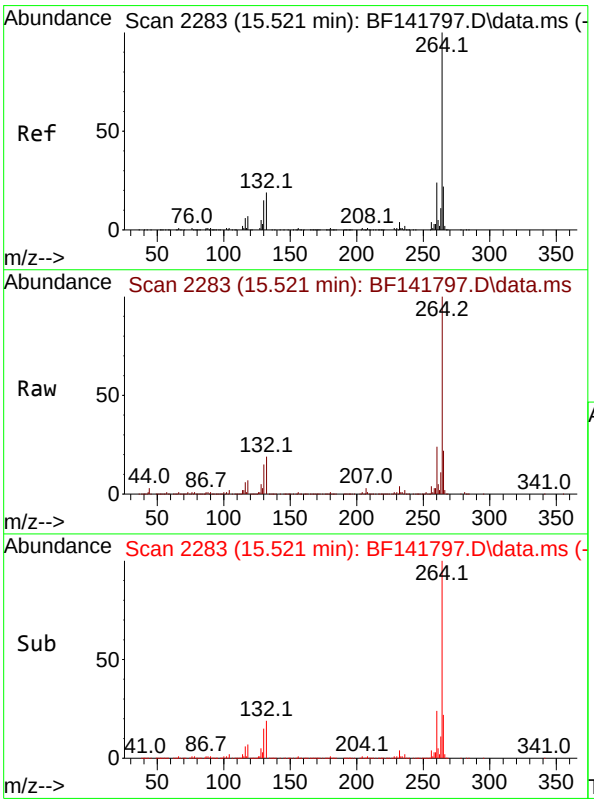
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.7	8.6	12.8

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

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

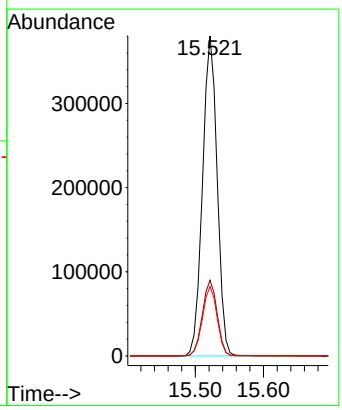


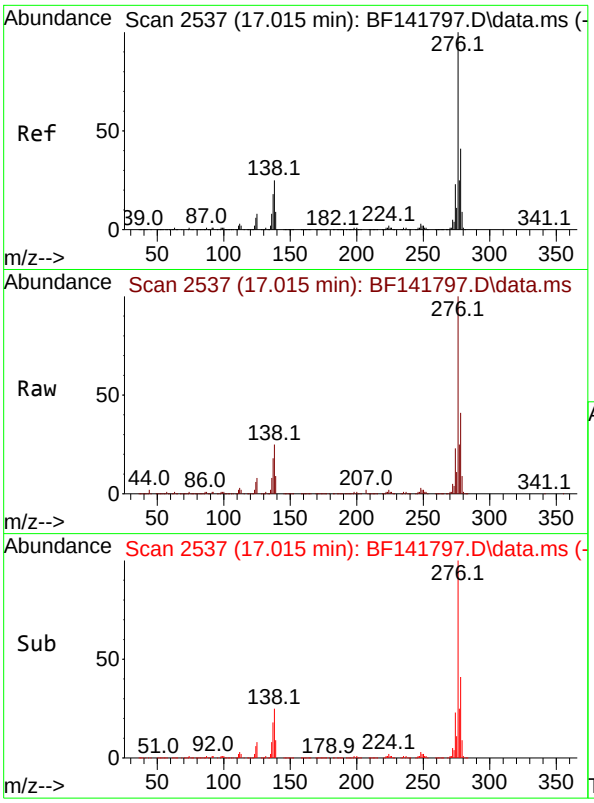


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

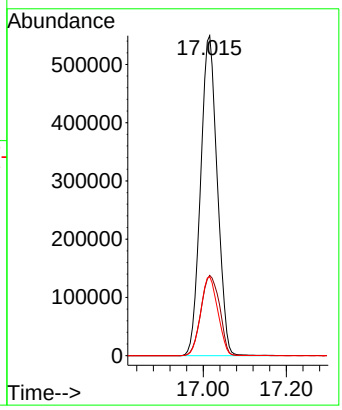




#87
Indeno(1,2,3-cd)pyrene
Concen: 42.264 ng
RT: 17.015 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:276 Resp: 152657

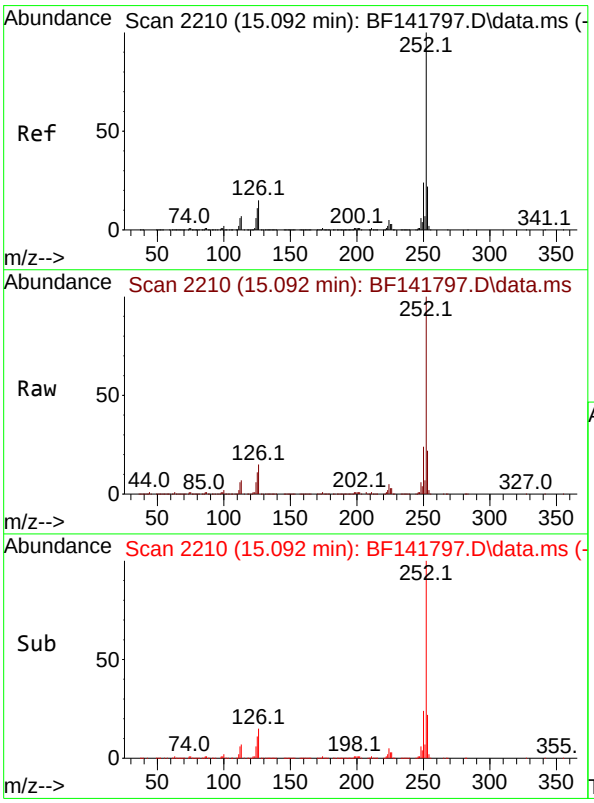
Ion	Ratio	Lower	Upper
276	100		
138	28.1	22.5	33.7
277	25.4	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

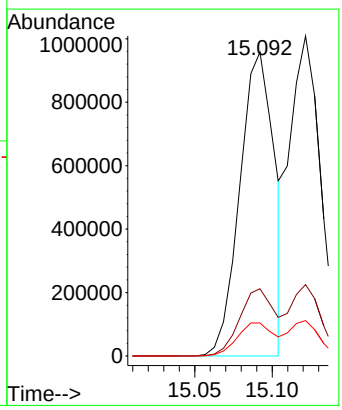
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

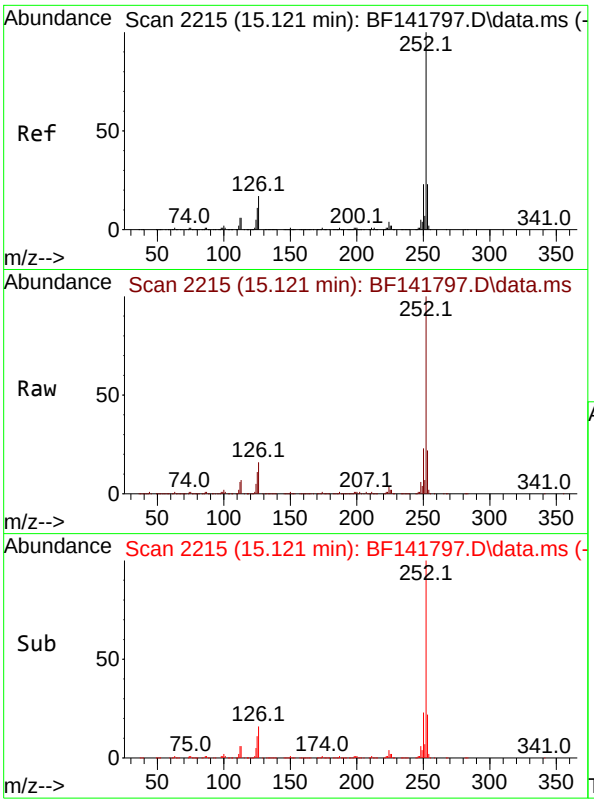


#88
Benzo(b)fluoranthene
Concen: 38.353 ng
RT: 15.092 min Scan# 2210
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

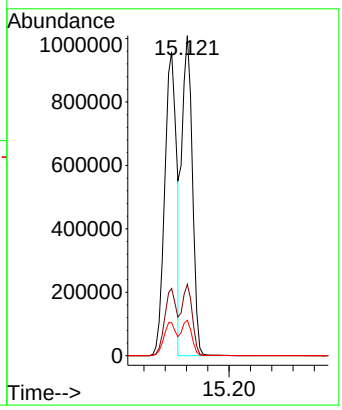




#89
Benzo(k)fluoranthene
Concen: 41.943 ng
RT: 15.121 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:252 Resp: 137747

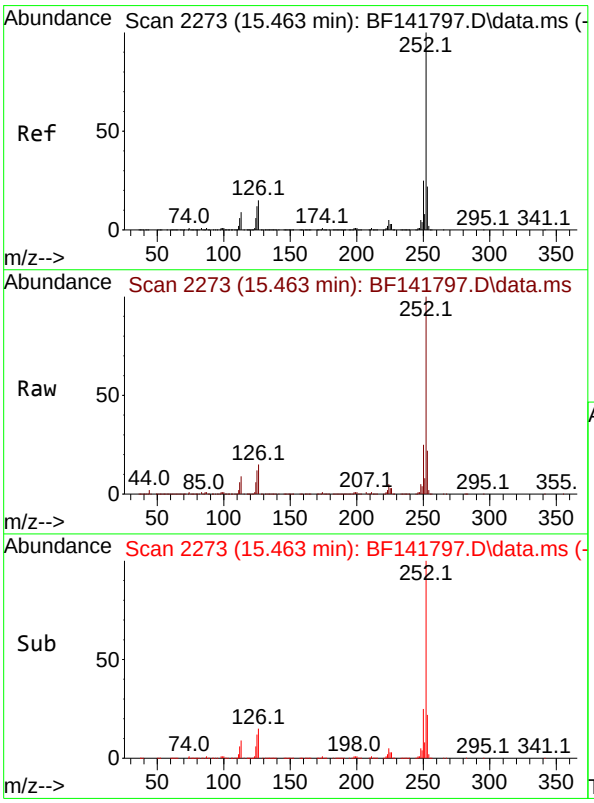
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	11.0	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

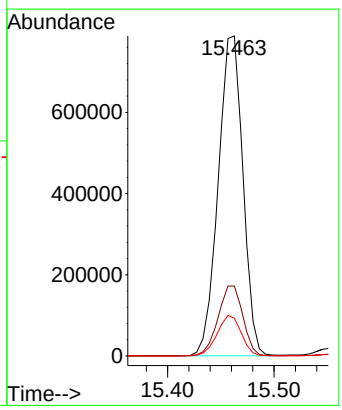
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

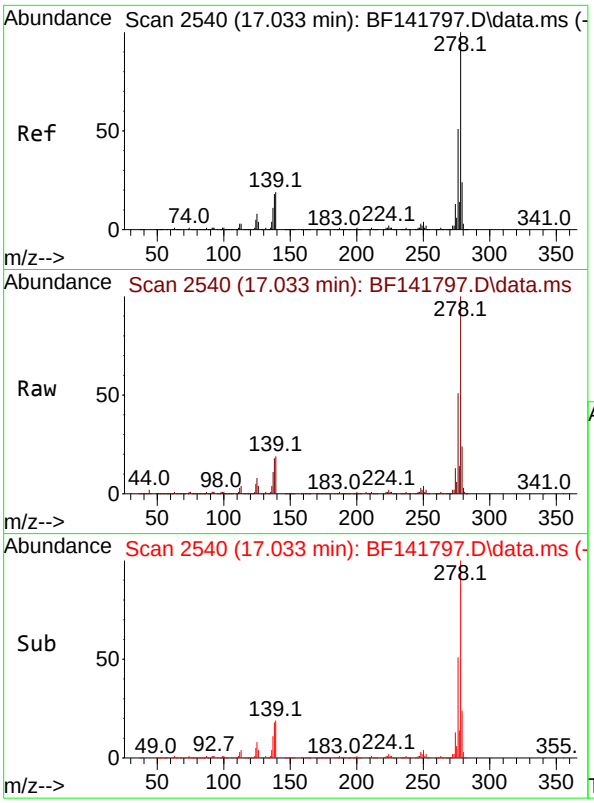


#90
Benzo(a)pyrene
Concen: 40.981 ng
RT: 15.463 min Scan# 2273
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

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

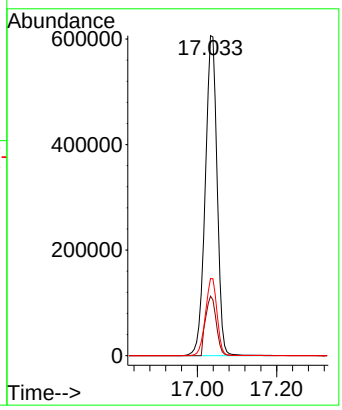




#91
Dibenzo(a,h)anthracene
Concen: 42.664 ng
RT: 17.033 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:278 Resp: 125786

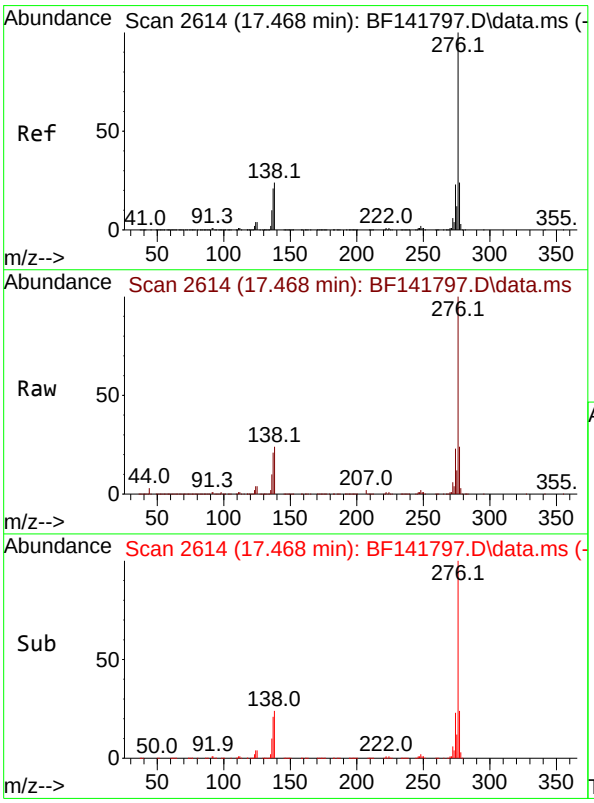
Ion	Ratio	Lower	Upper
278	100		
139	18.6	14.9	22.3
279	24.1	19.3	28.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

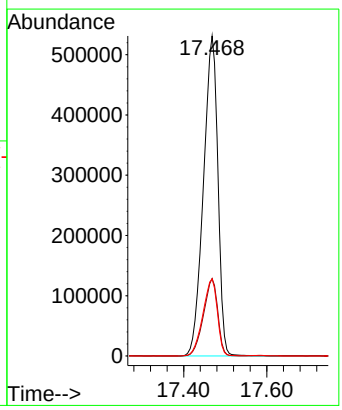
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

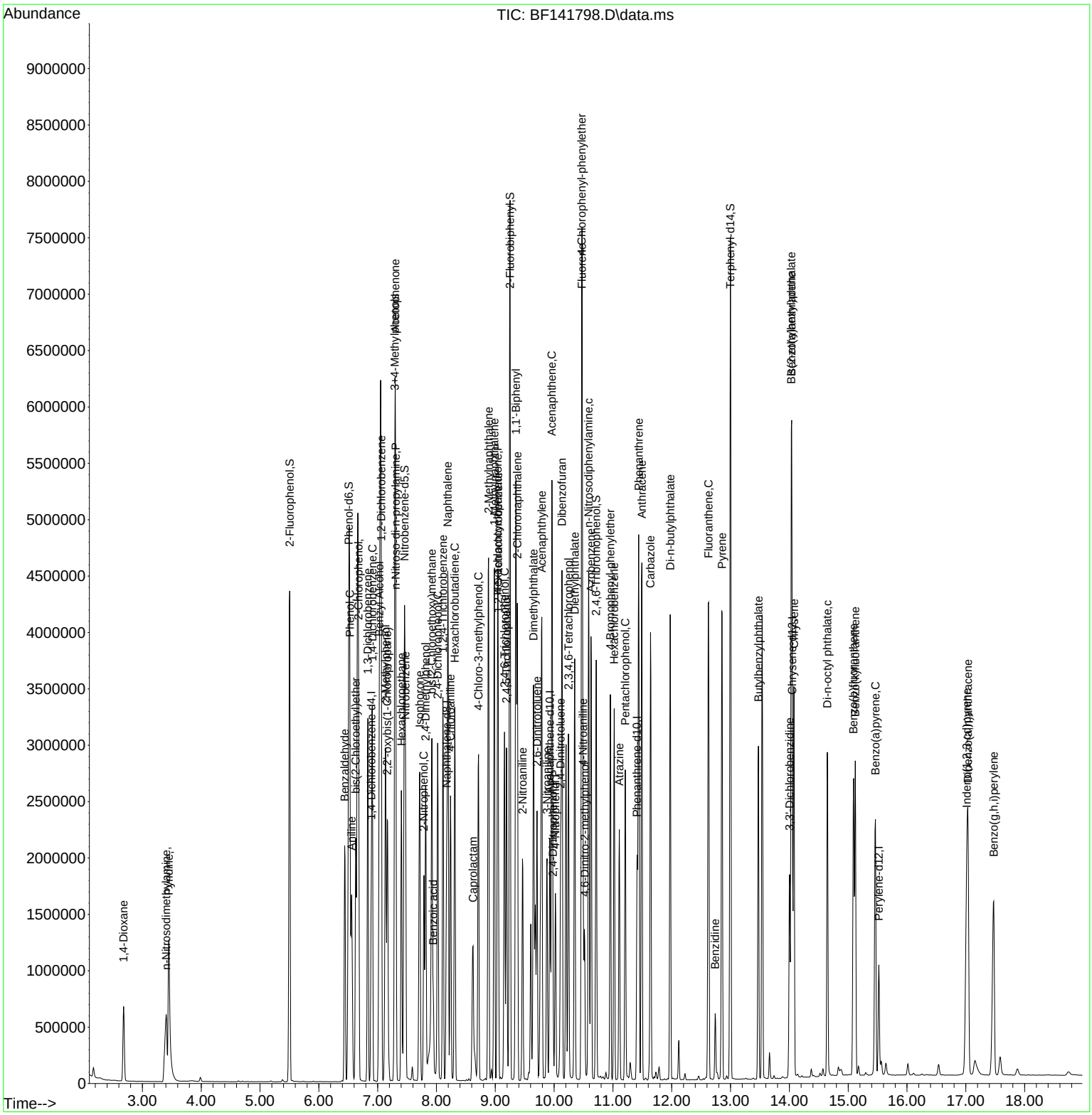
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	574978	49.213	ng		100
46) 1,1'-Biphenyl	9.351	154	2234592	46.420	ng		100
47) 2-Chloronaphthalene	9.375	162	1672555	47.075	ng		99
48) 2-Nitroaniline	9.463	65	469075	48.211	ng		98
49) Acenaphthylene	9.792	152	2466104	46.294	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

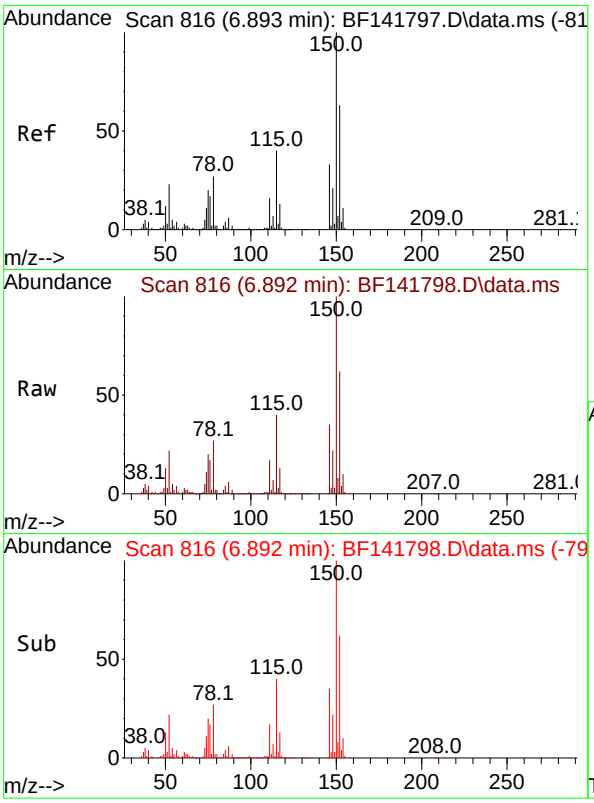
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



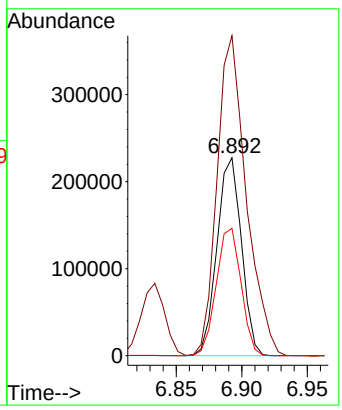


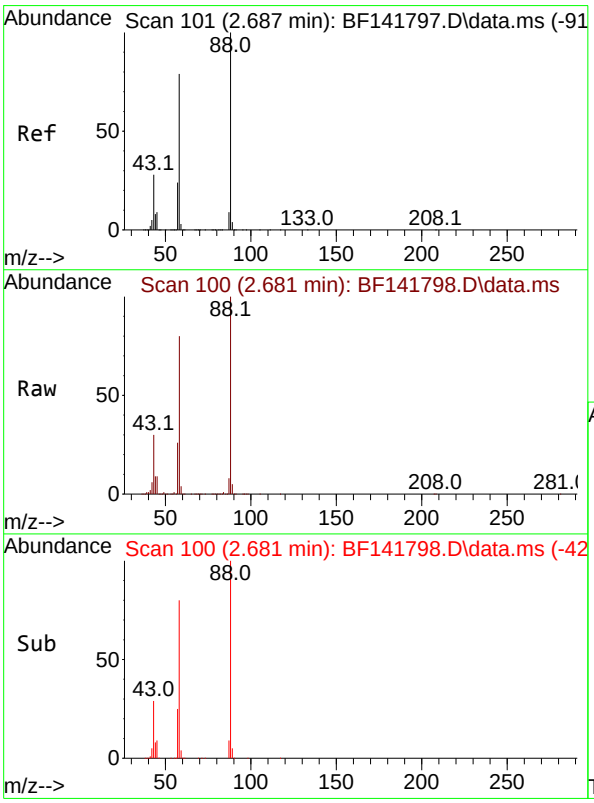
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

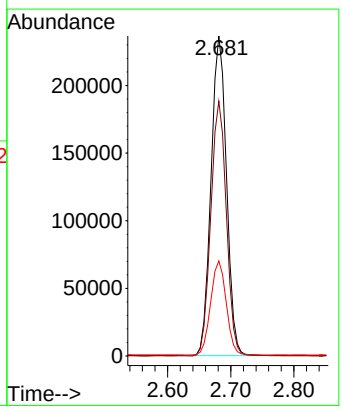


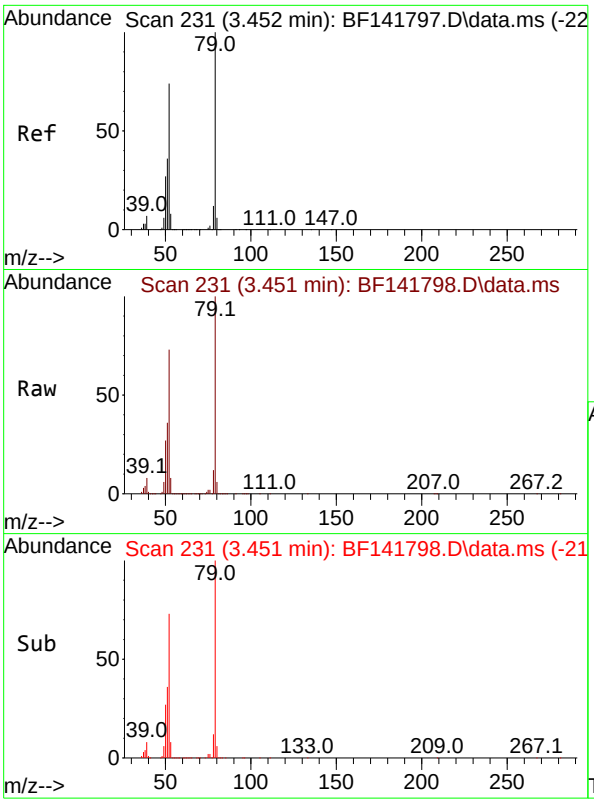


#2
1,4-Dioxane
Concen: 47.937 ng
RT: 2.681 min Scan# 100
Delta R.T. -0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



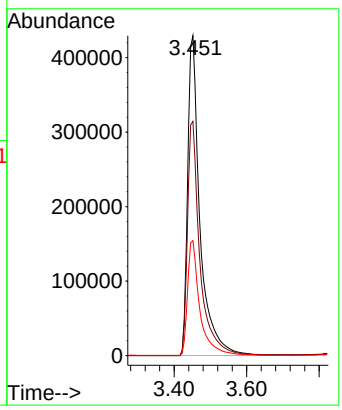


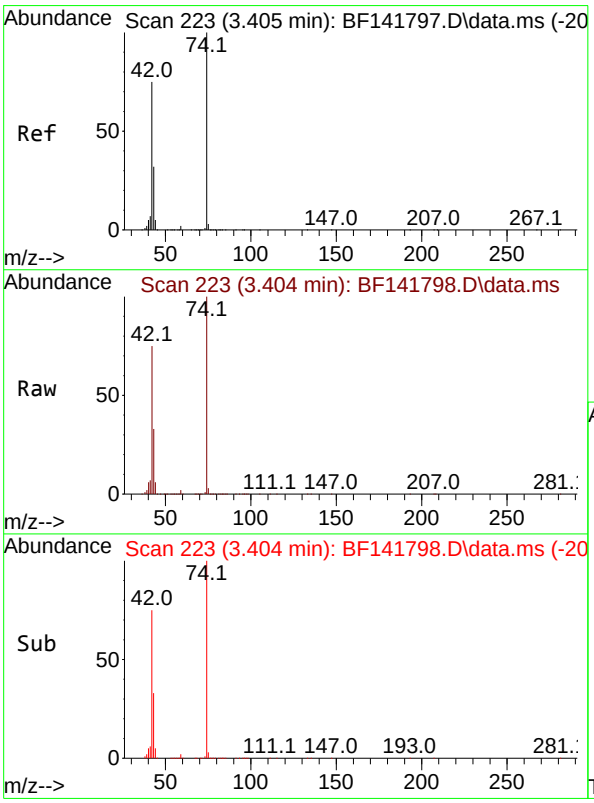
#3
Pyridine
Concen: 48.805 ng
RT: 3.451 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

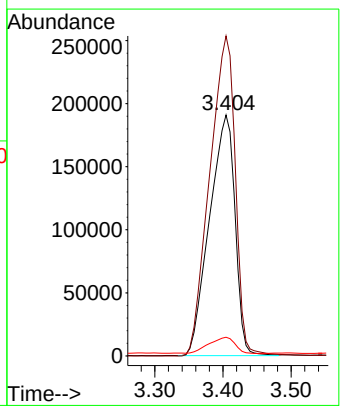


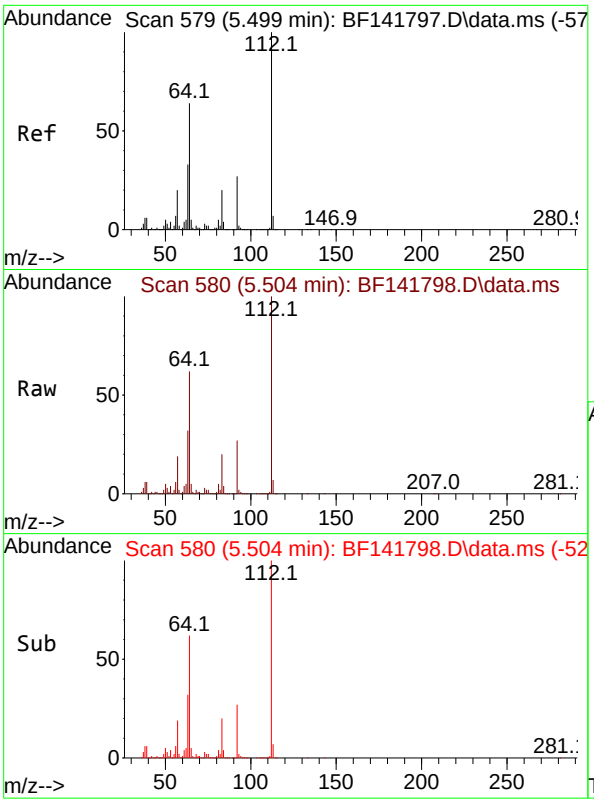


#4
n-Nitrosodimethylamine
Concen: 49.541 ng
RT: 3.404 min Scan# 223
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



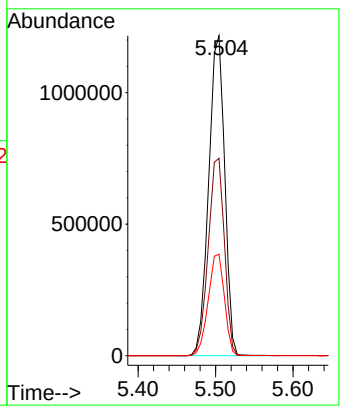


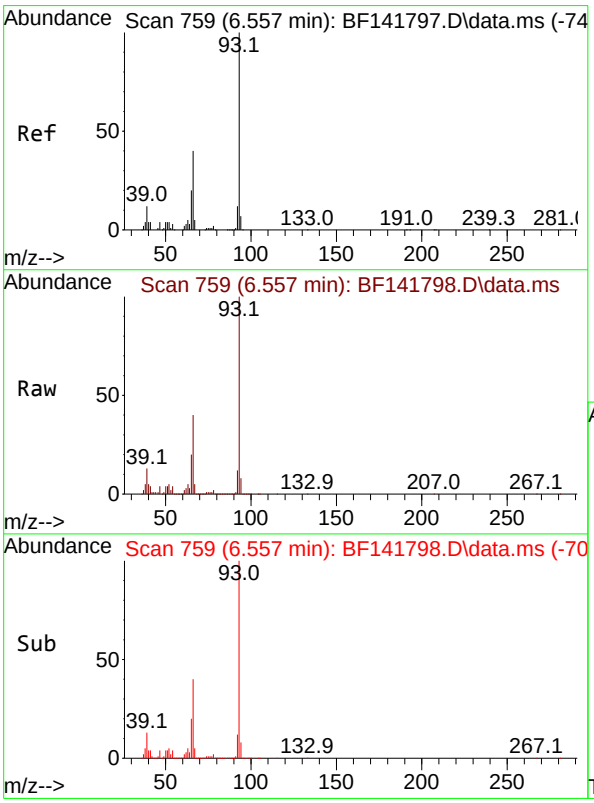
#5
2-Fluorophenol
Concen: 94.593 ng
RT: 5.504 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

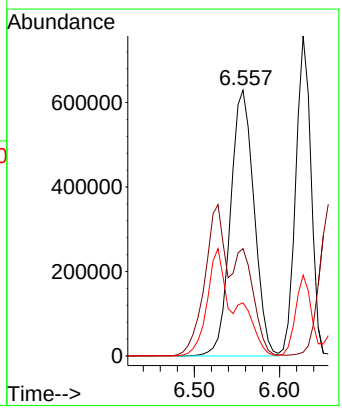


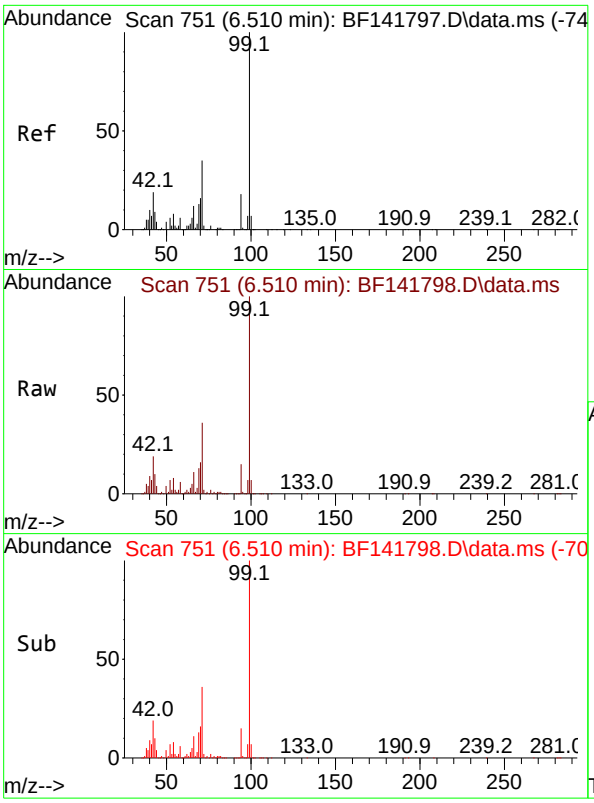


#6
Aniline
Concen: 48.702 ng
RT: 6.557 min Scan# 759
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



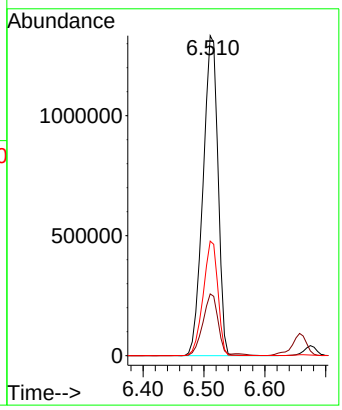


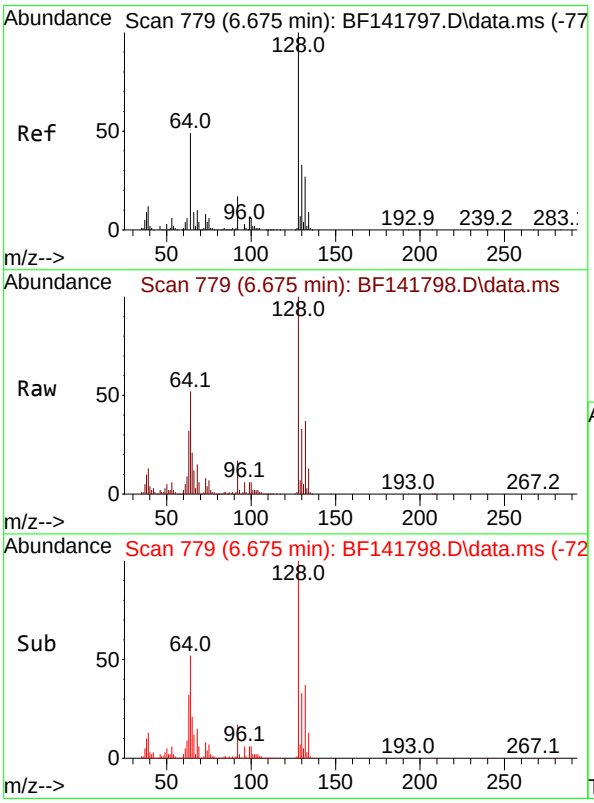
#7
Phenol-d6
Concen: 94.557 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

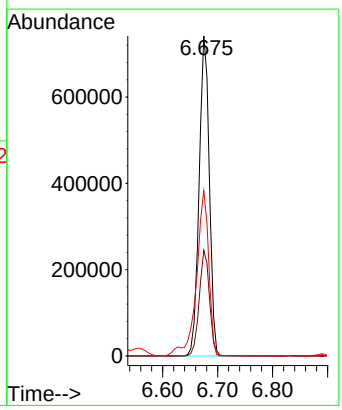


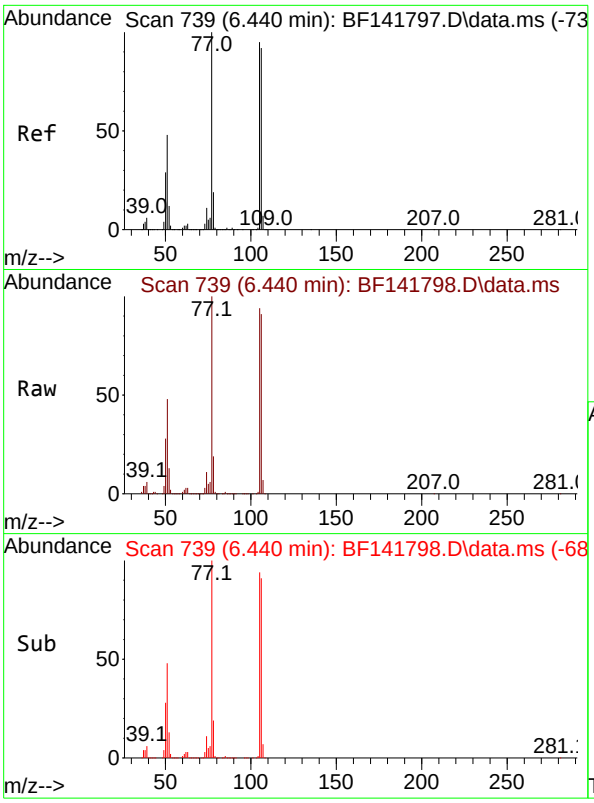


#8
2-Chlorophenol
Concen: 47.940 ng
RT: 6.675 min Scan# 779
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



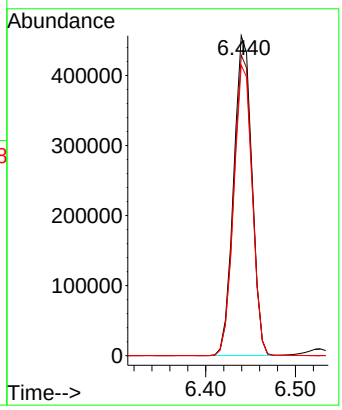


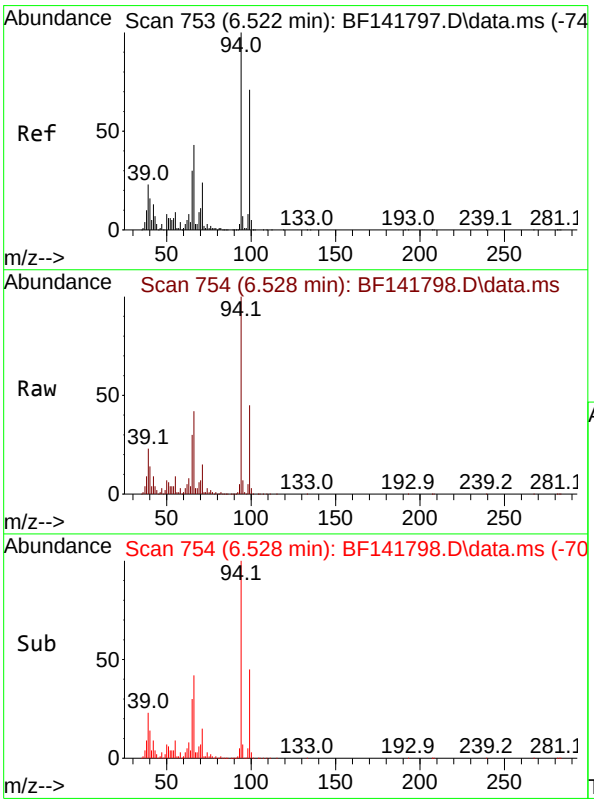
#9
Benzaldehyde
Concen: 46.113 ng
RT: 6.440 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

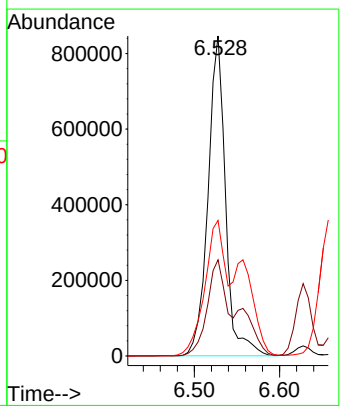


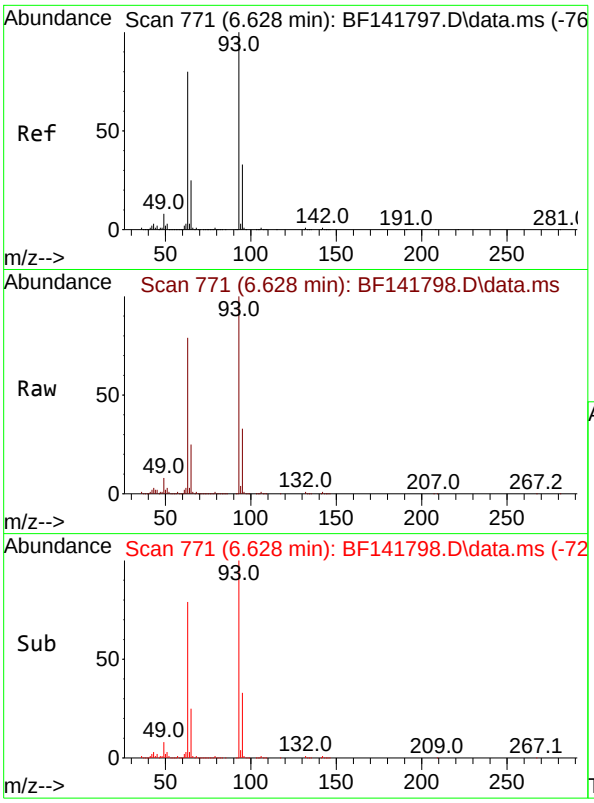


#10
Phenol
Concen: 47.257 ng
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



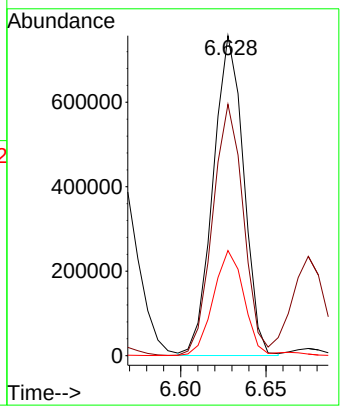


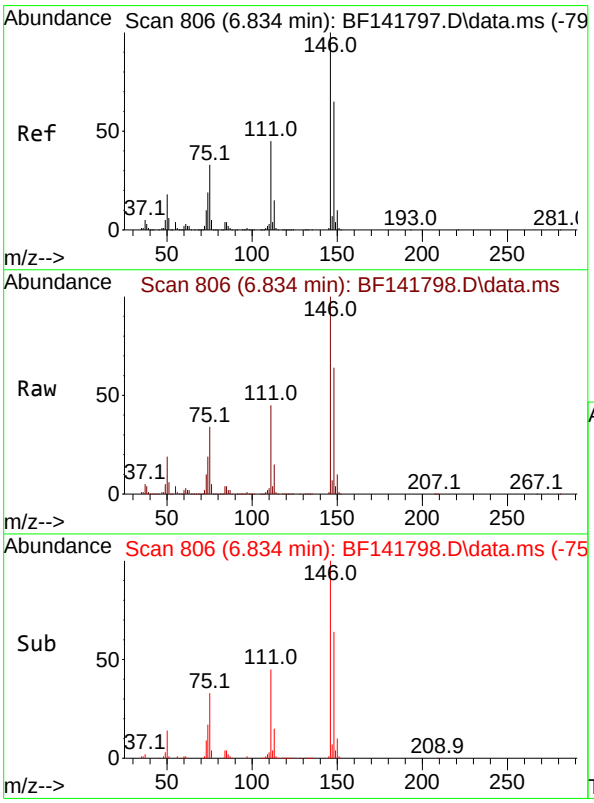
#11
bis(2-Chloroethyl)ether
Concen: 48.169 ng
RT: 6.628 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

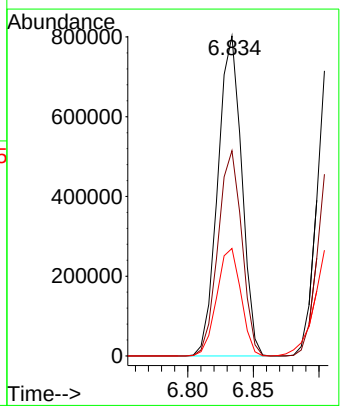


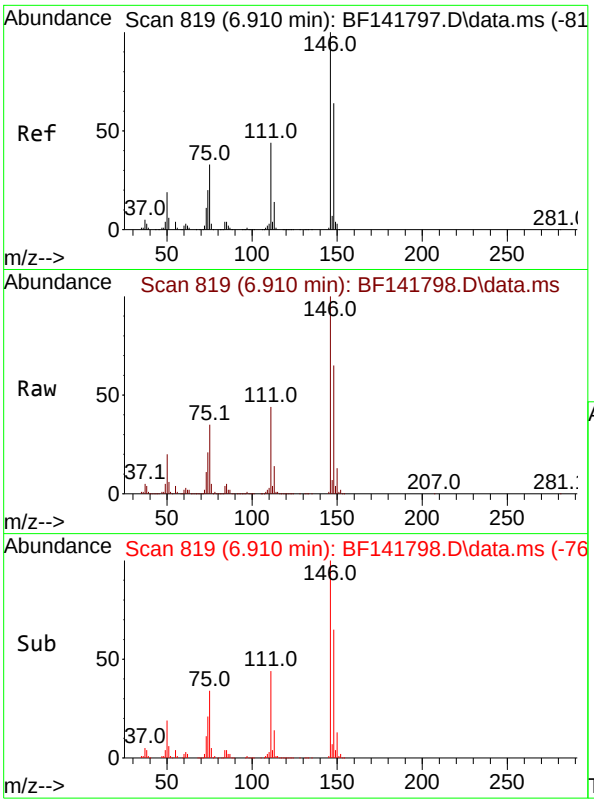


#12
1,3-Dichlorobenzene
Concen: 47.489 ng
RT: 6.834 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



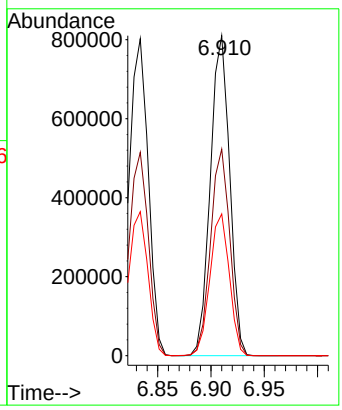


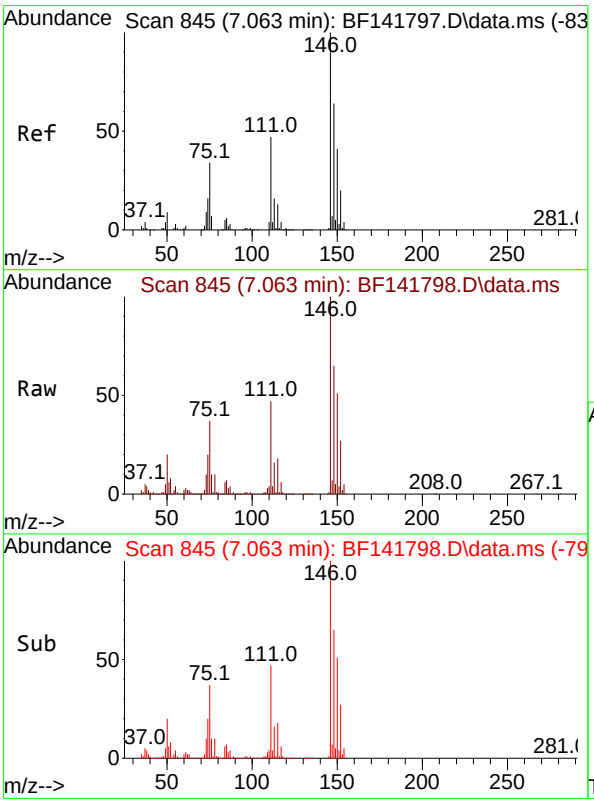
#13
1,4-Dichlorobenzene
Concen: 47.531 ng
RT: 6.910 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

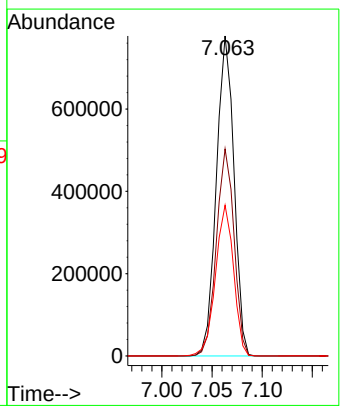


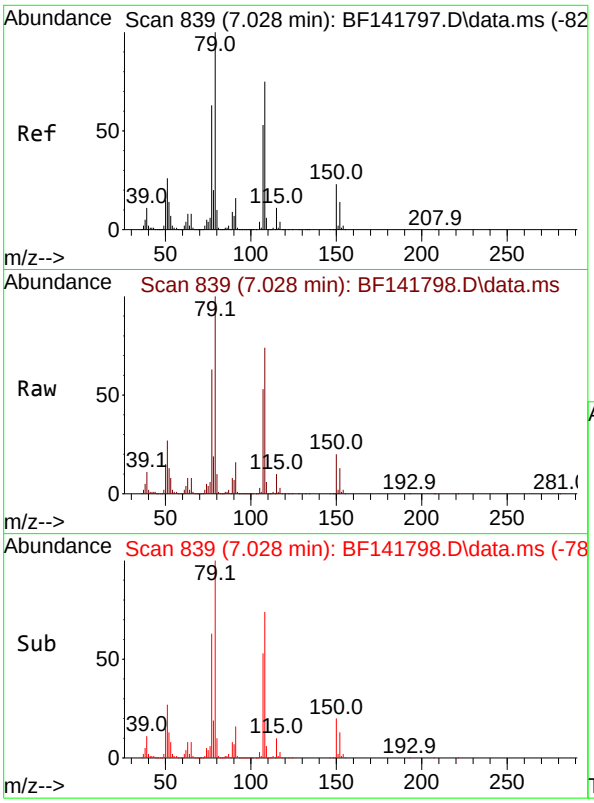


#14
1,2-Dichlorobenzene
Concen: 47.090 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



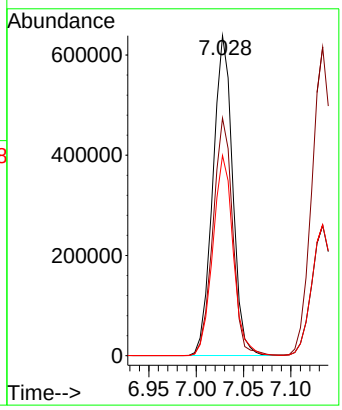


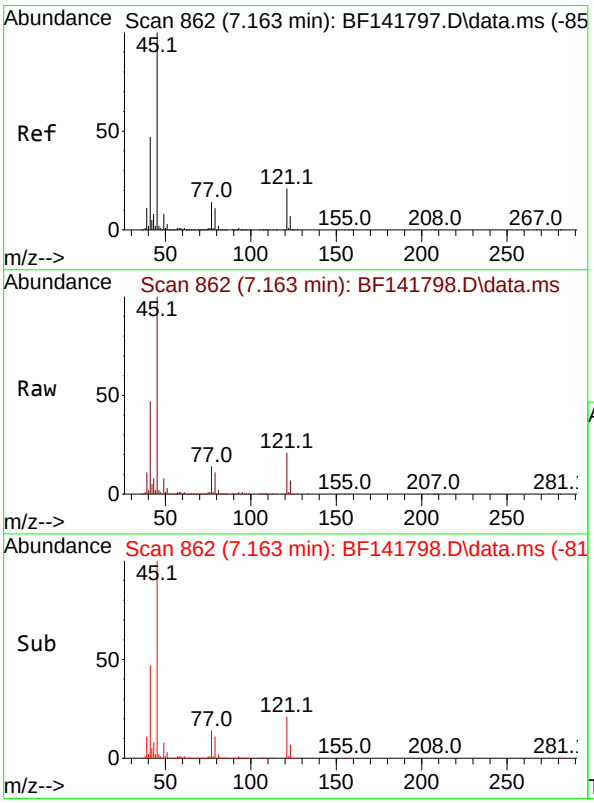
#15
Benzyl Alcohol
Concen: 48.272 ng
RT: 7.028 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

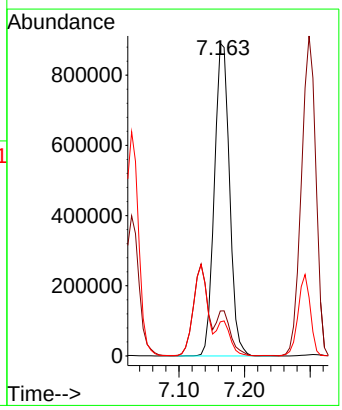


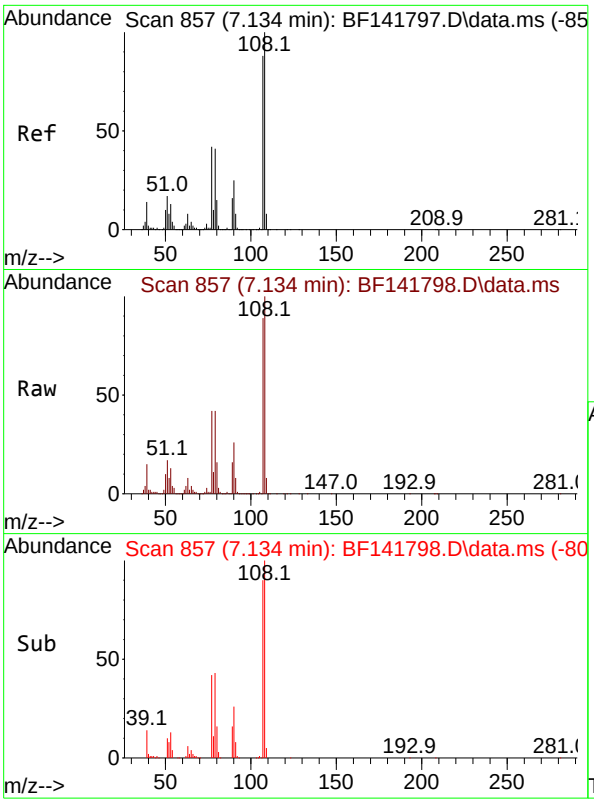


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.854 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



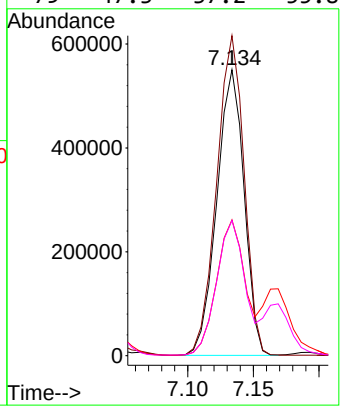


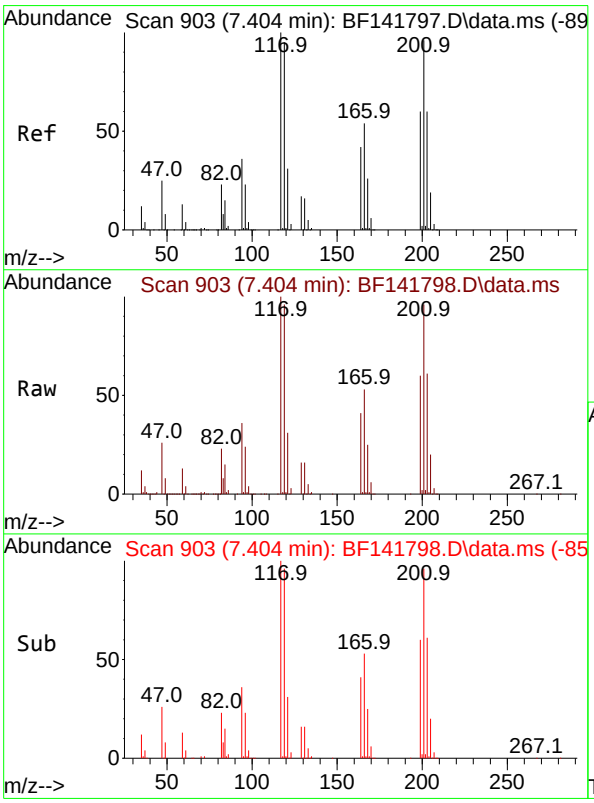
#17
2-Methylphenol
Concen: 48.240 ng
RT: 7.134 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

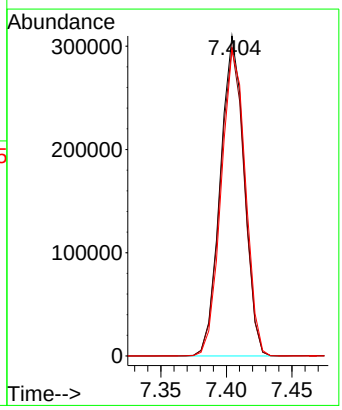


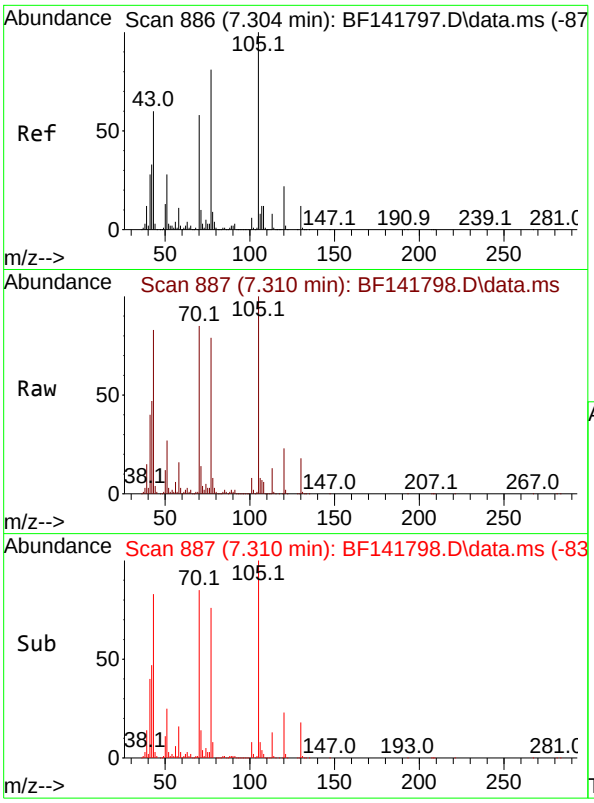


#18
Hexachloroethane
Concen: 48.741 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



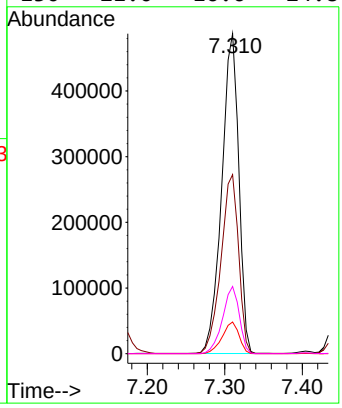


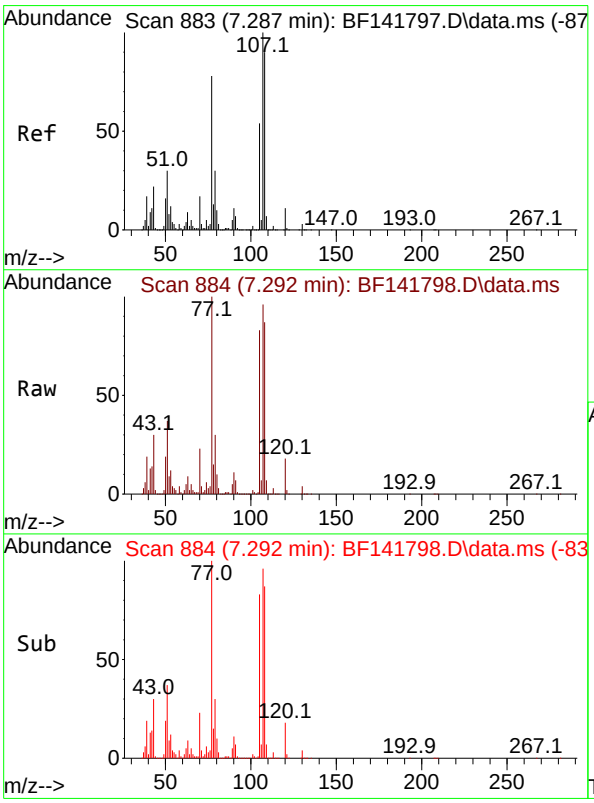
#19
n-Nitroso-di-n-propylamine
Concen: 47.090 ng
RT: 7.310 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

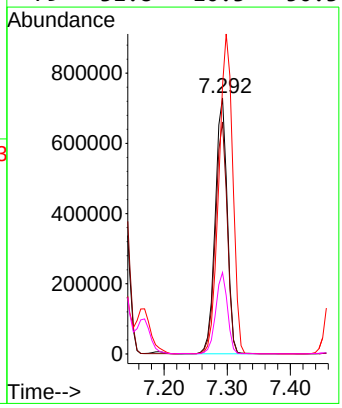


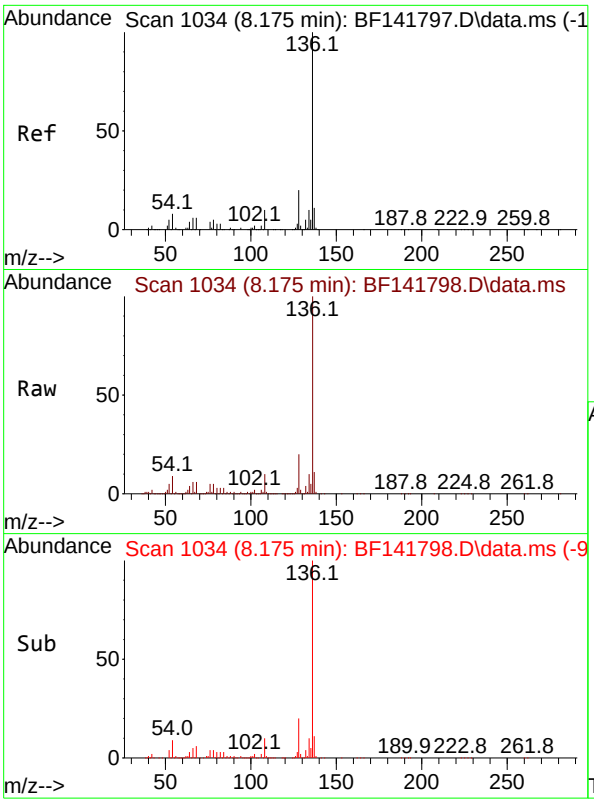


#20
3+4-Methylphenols
Concen: 46.825 ng
RT: 7.292 min Scan# 884
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



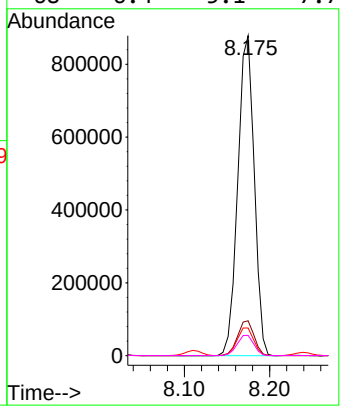


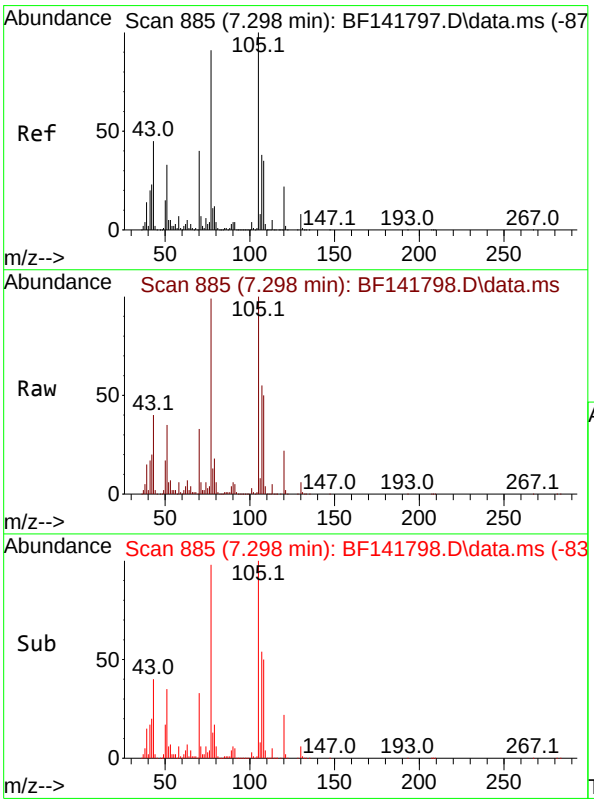
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

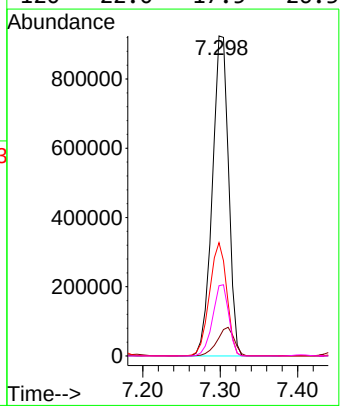


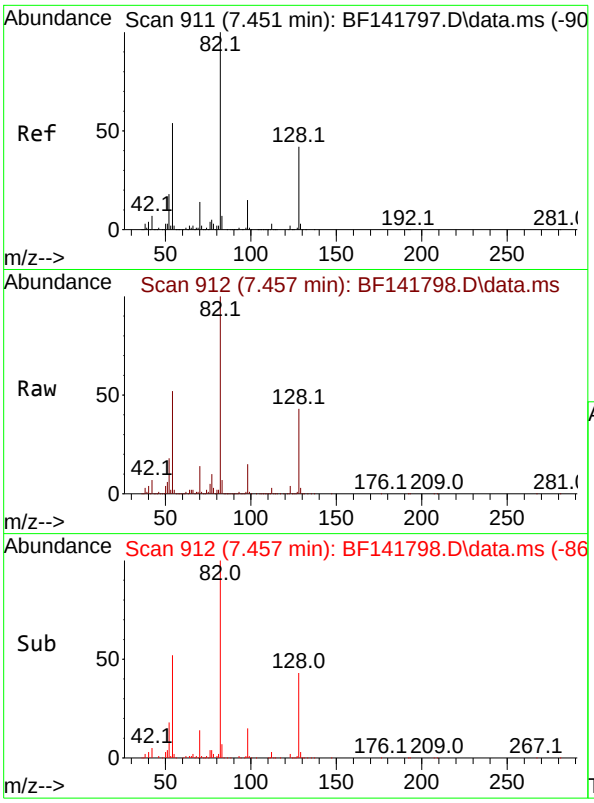


#22
Acetophenone
Concen: 46.798 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



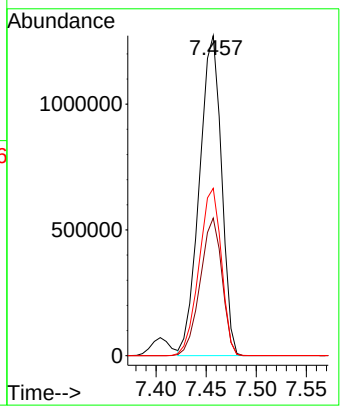


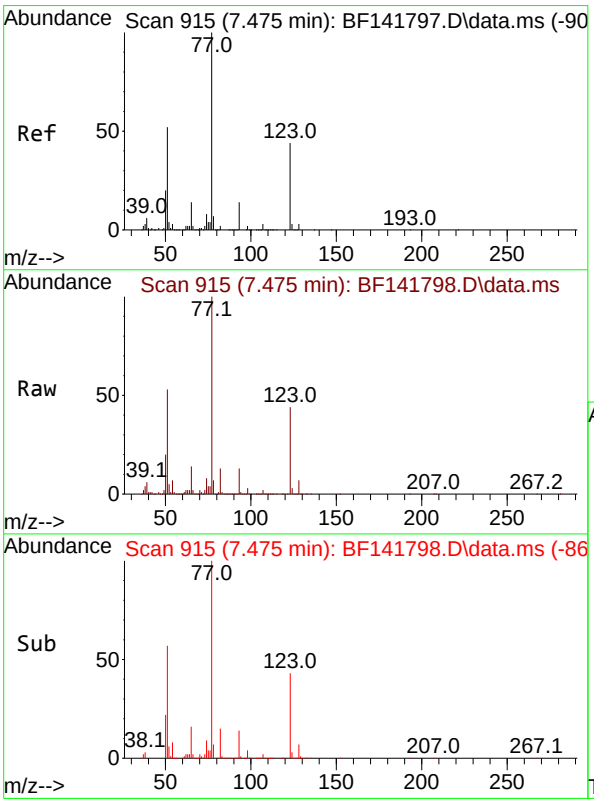
#23
Nitrobenzene-d5
Concen: 106.234 ng
RT: 7.457 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

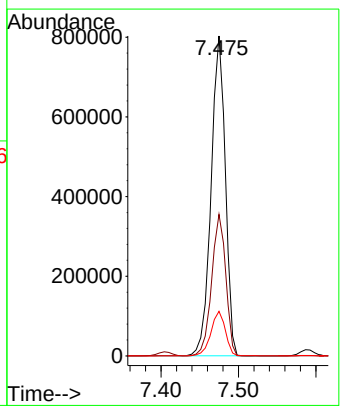


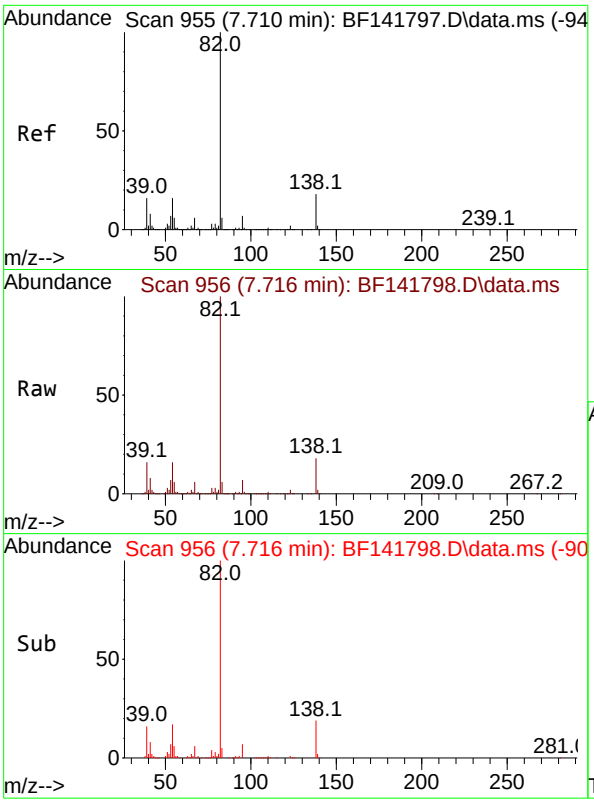


#24
Nitrobenzene
Concen: 52.073 ng
RT: 7.475 min Scan# 915
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



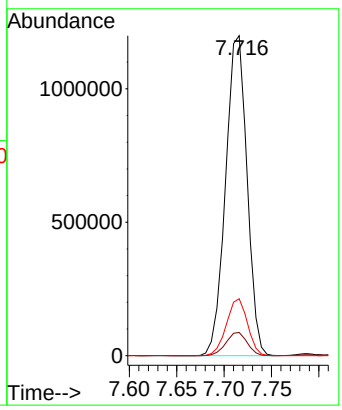


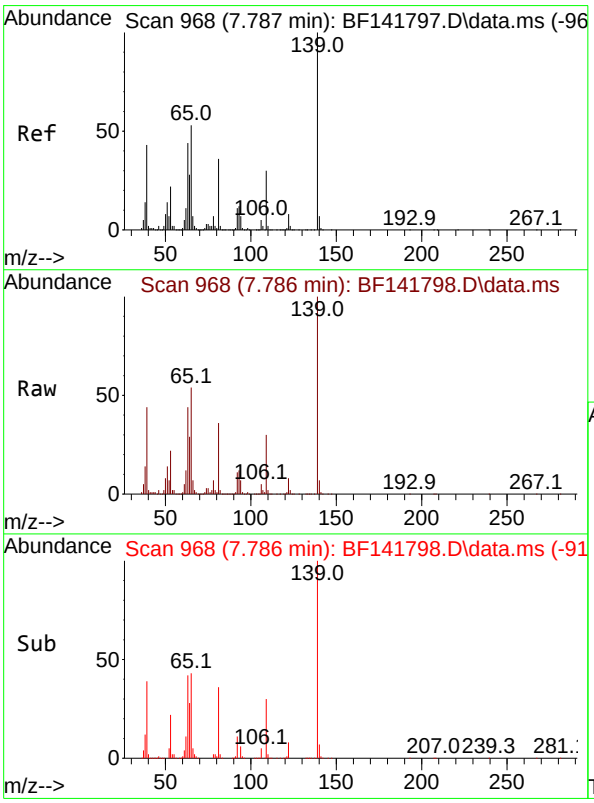
#25
Isophorone
Concen: 47.744 ng
RT: 7.716 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

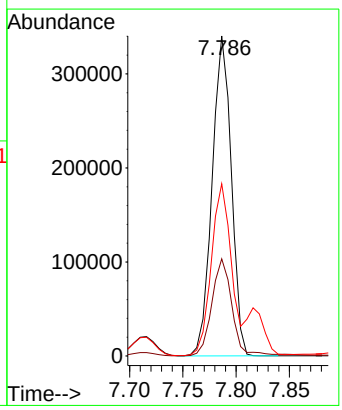


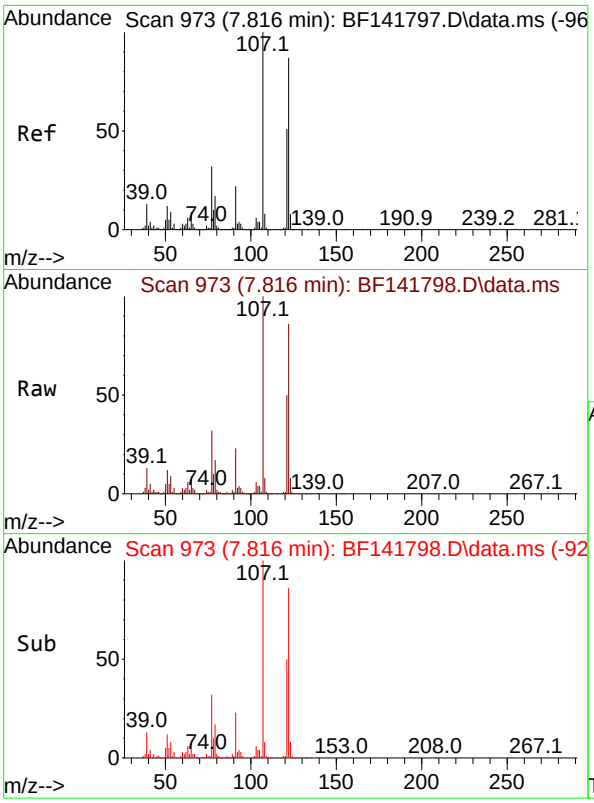


#26
2-Nitrophenol
Concen: 48.354 ng
RT: 7.786 min Scan# 968
Delta R.T. -0.001 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



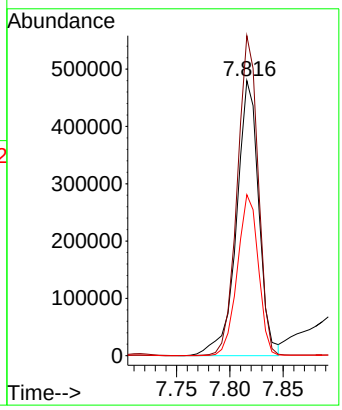


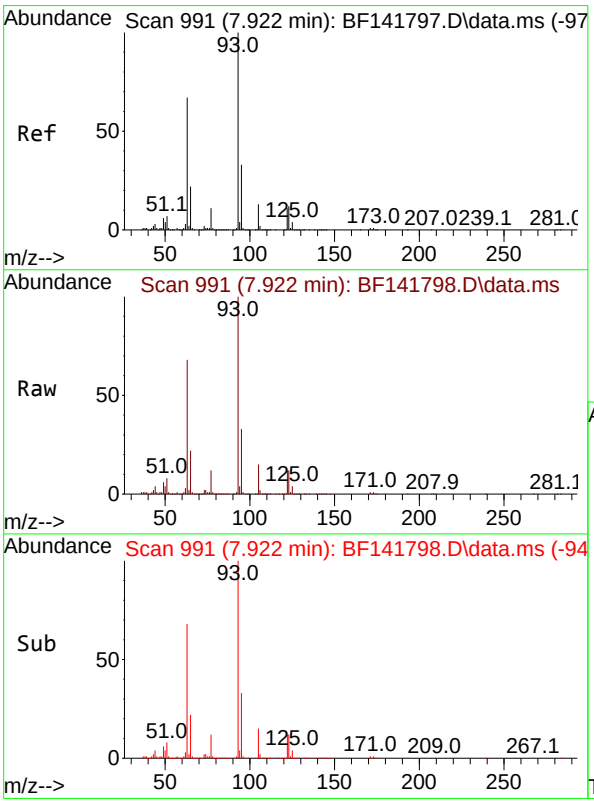
#27
2,4-Dimethylphenol
Concen: 48.082 ng
RT: 7.816 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

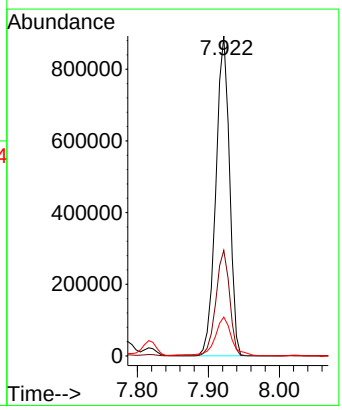


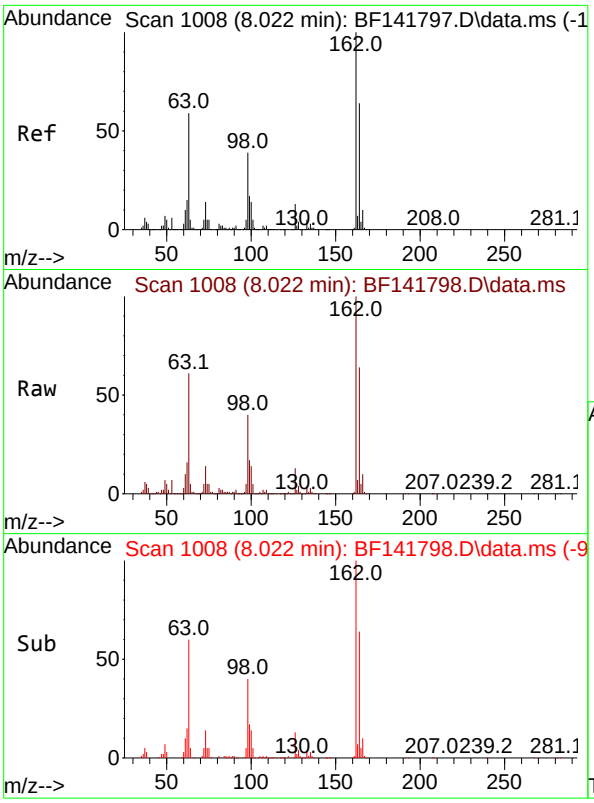


#28
bis(2-Chloroethoxy)methane
Concen: 47.060 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



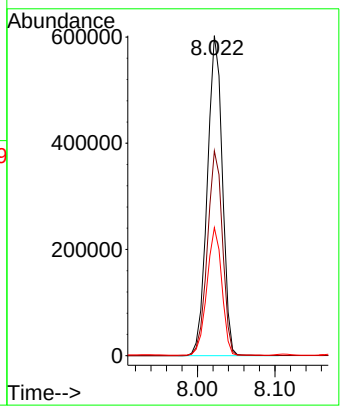


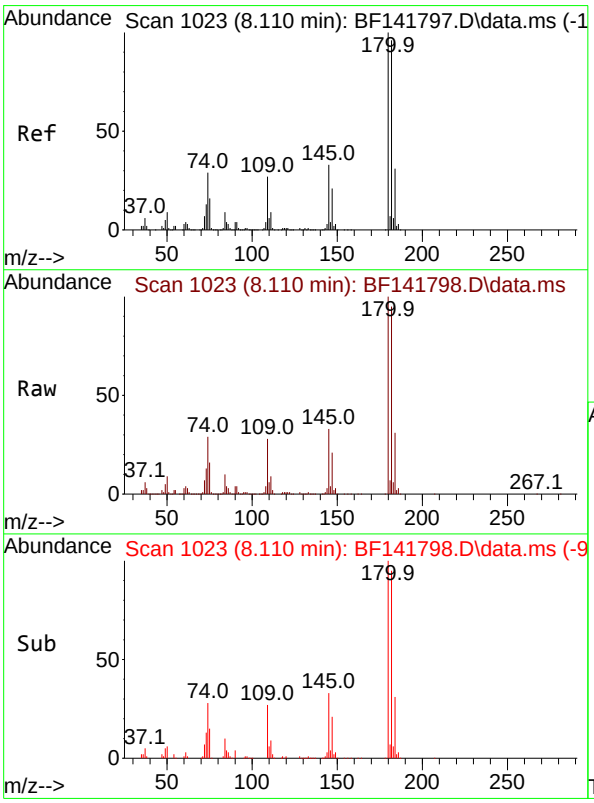
#29
2,4-Dichlorophenol
Concen: 48.527 ng
RT: 8.022 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

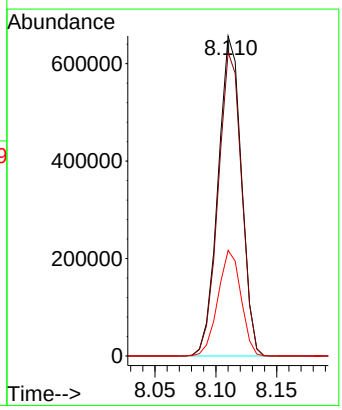


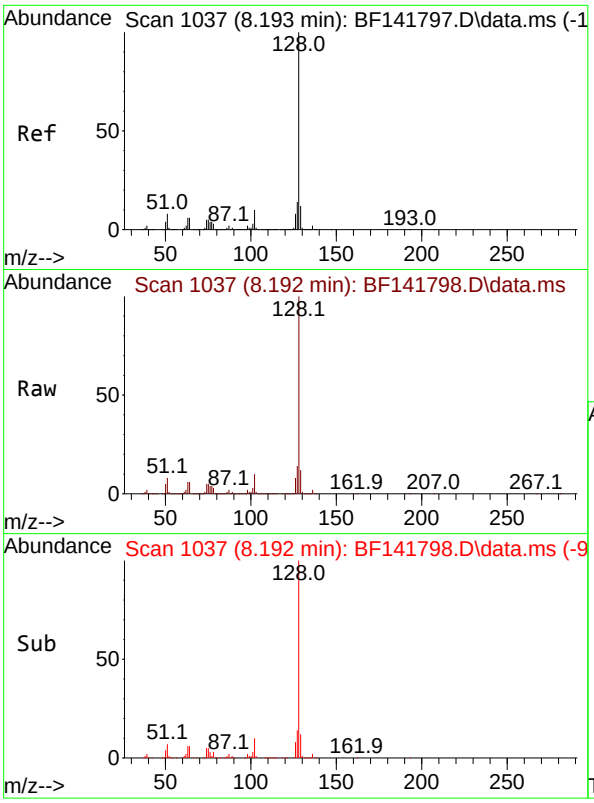


#30
1,2,4-Trichlorobenzene
Concen: 47.693 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



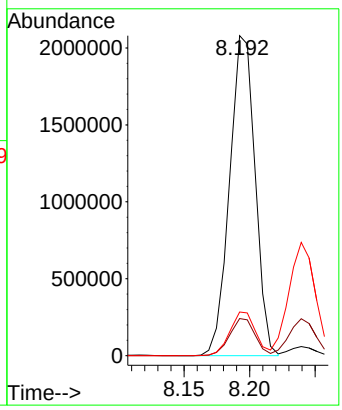


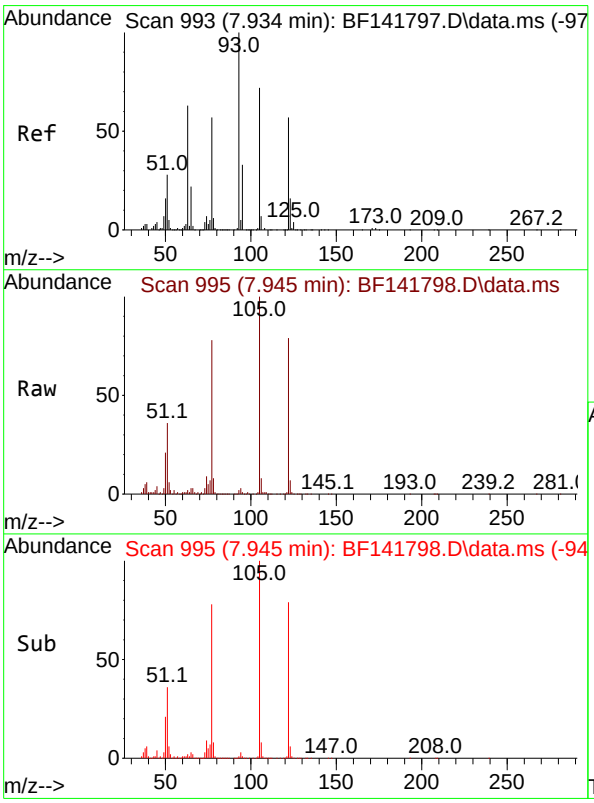
#31
Naphthalene
Concen: 46.685 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

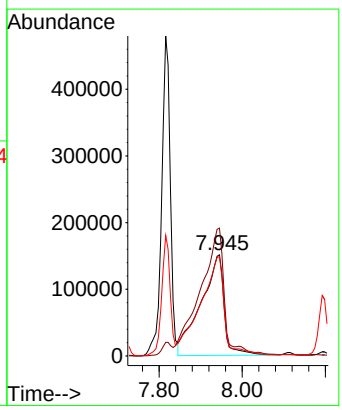


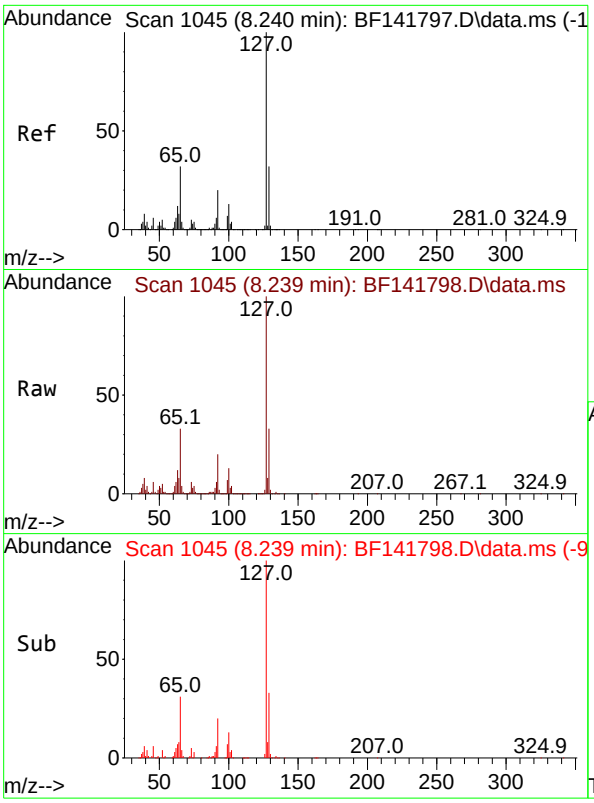


#32
Benzoic acid
Concen: 48.392 ng
RT: 7.945 min Scan# 995
Delta R.T. 0.011 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



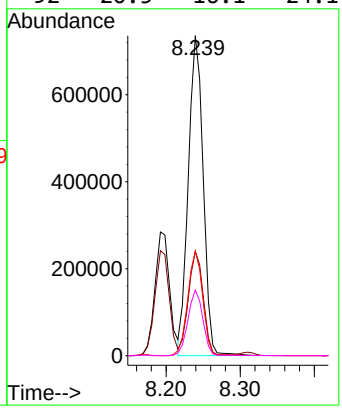


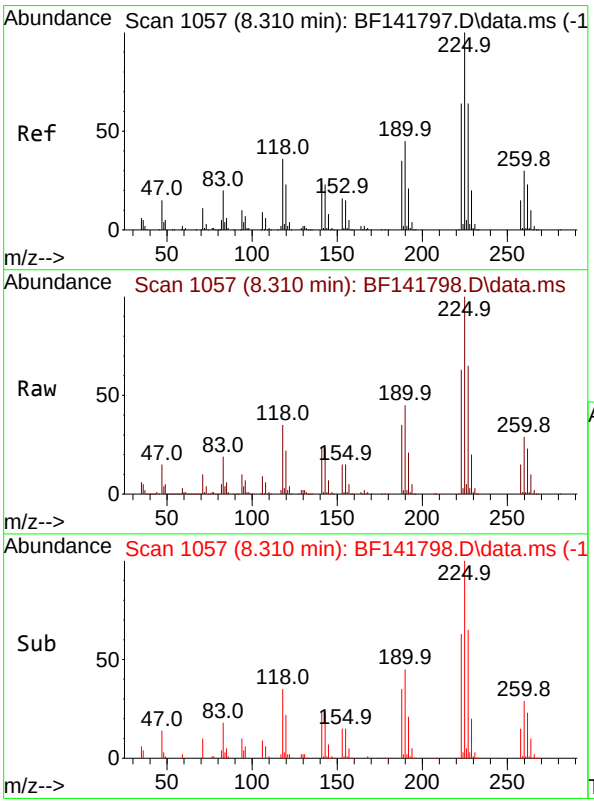
#33
4-Chloroaniline
Concen: 46.432 ng
RT: 8.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

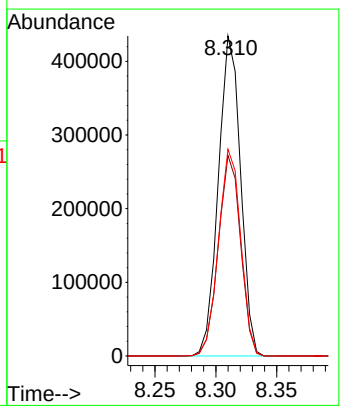


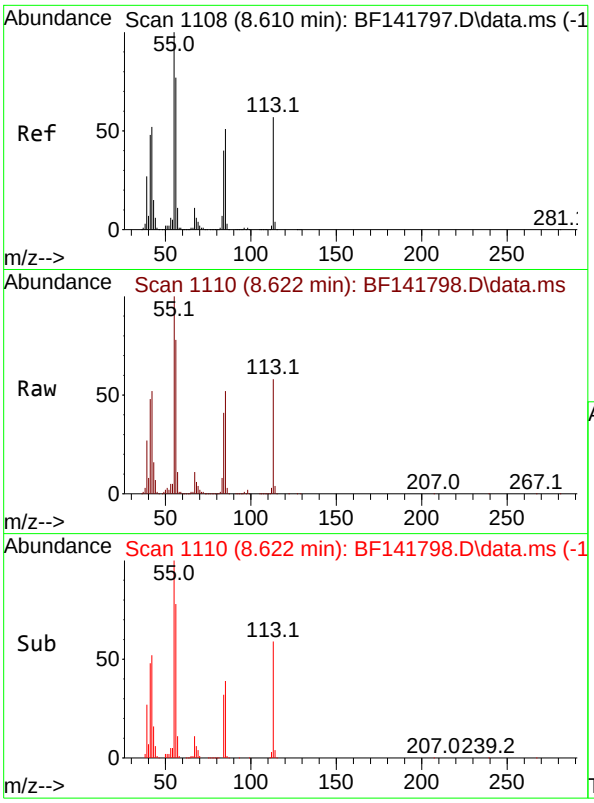


#34
Hexachlorobutadiene
Concen: 48.351 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



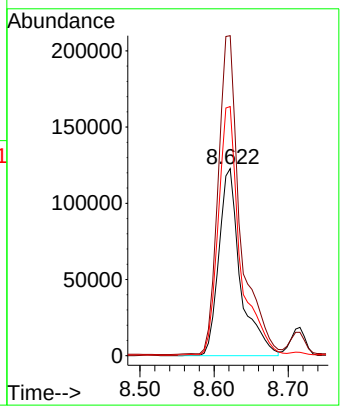


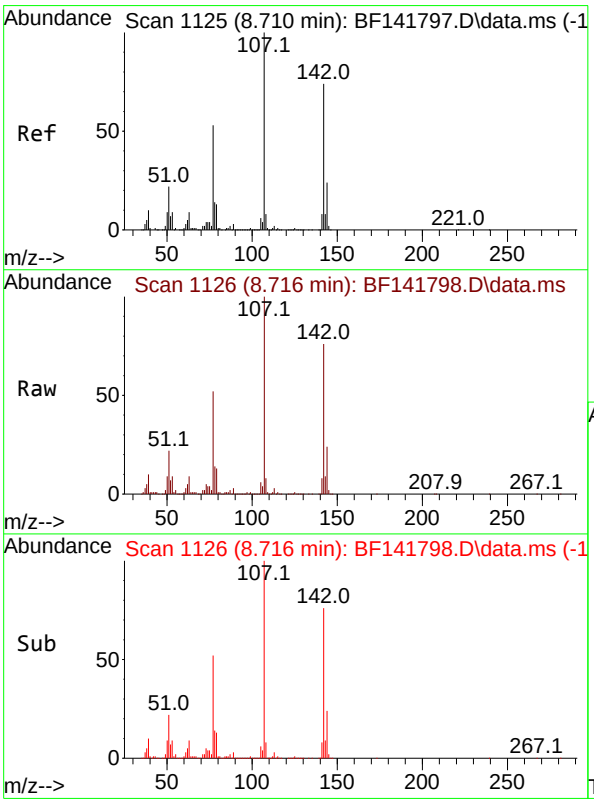
#35
Caprolactam
Concen: 48.241 ng
RT: 8.622 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

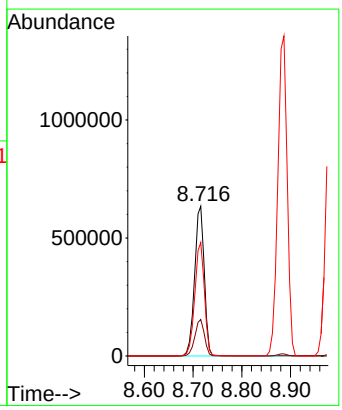


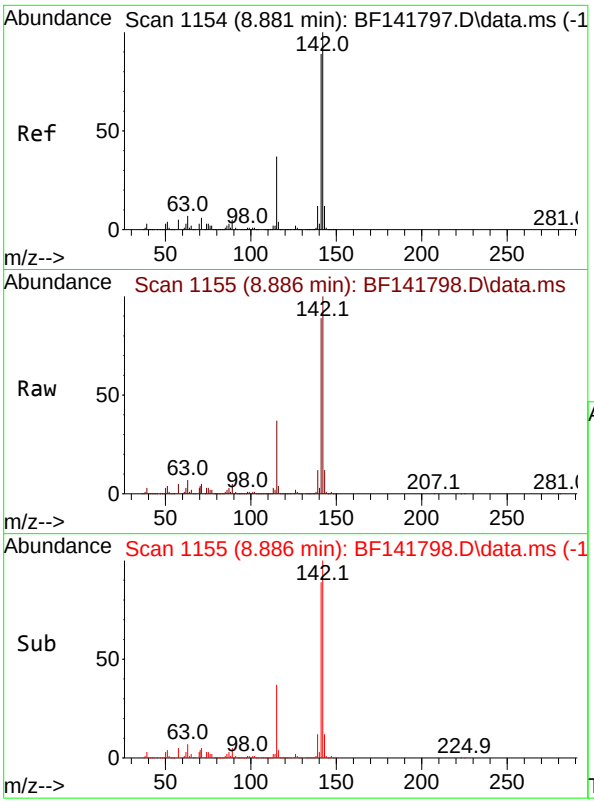


#36
4-Chloro-3-methylphenol
Concen: 47.314 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



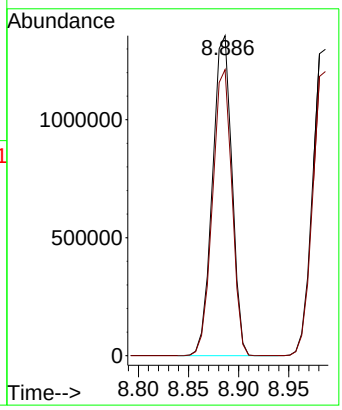


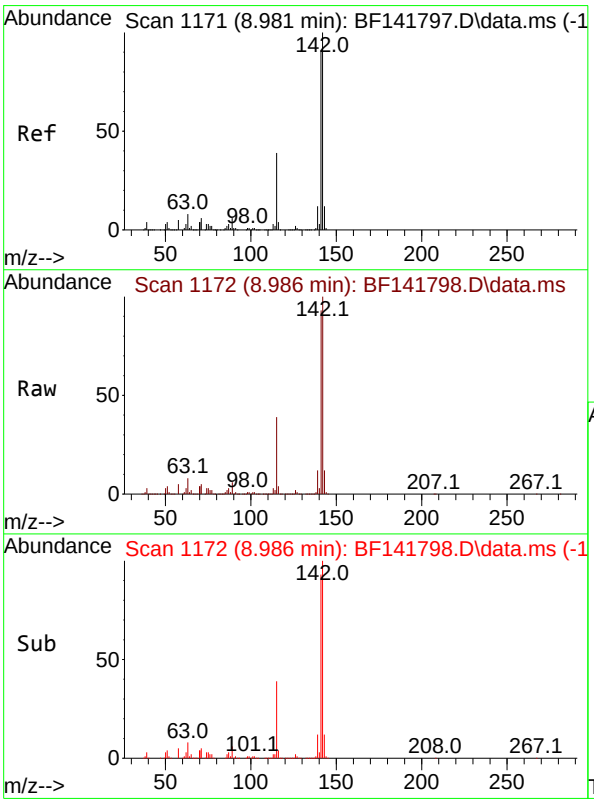
#37
2-Methylnaphthalene
Concen: 46.064 ng
RT: 8.886 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 1825639

Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.1	106.7

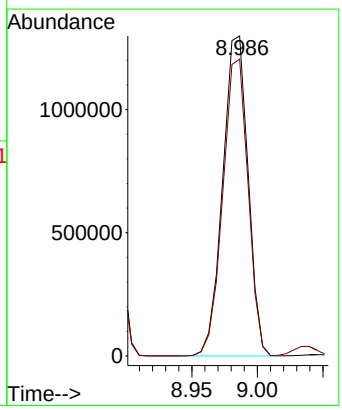


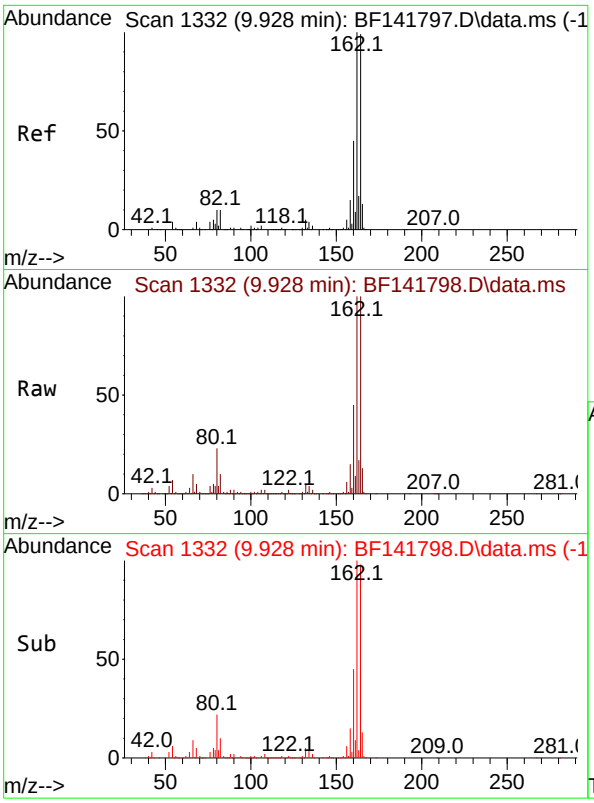


#38
1-Methylnaphthalene
Concen: 45.899 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:142 Resp: 1745465

Ion	Ratio	Lower	Upper
142	100		
141	92.7	73.1	109.7



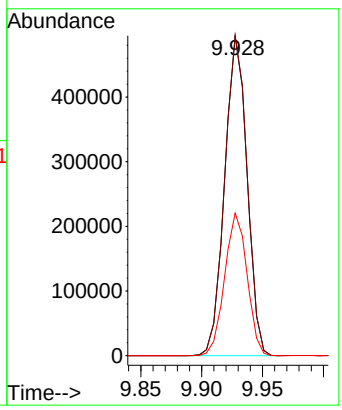


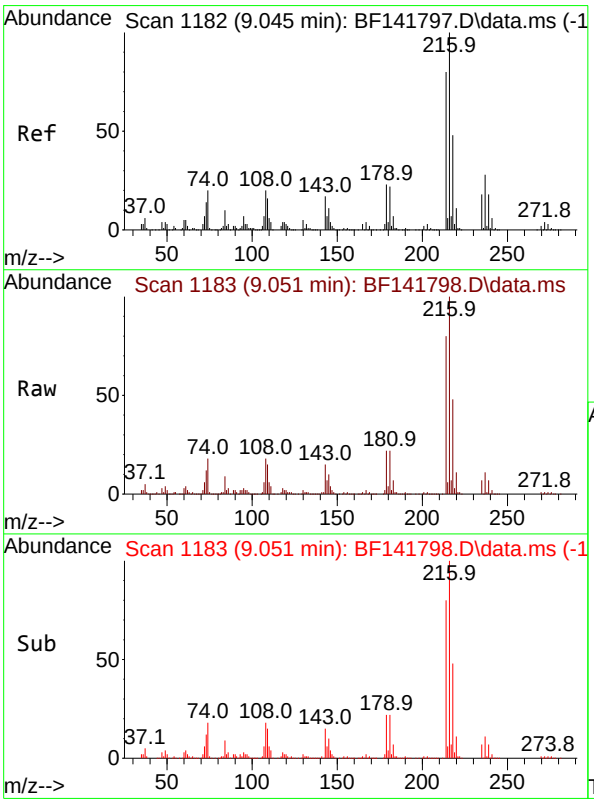
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

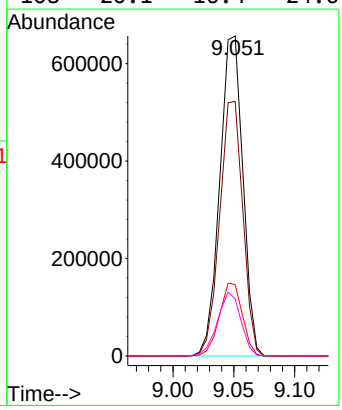


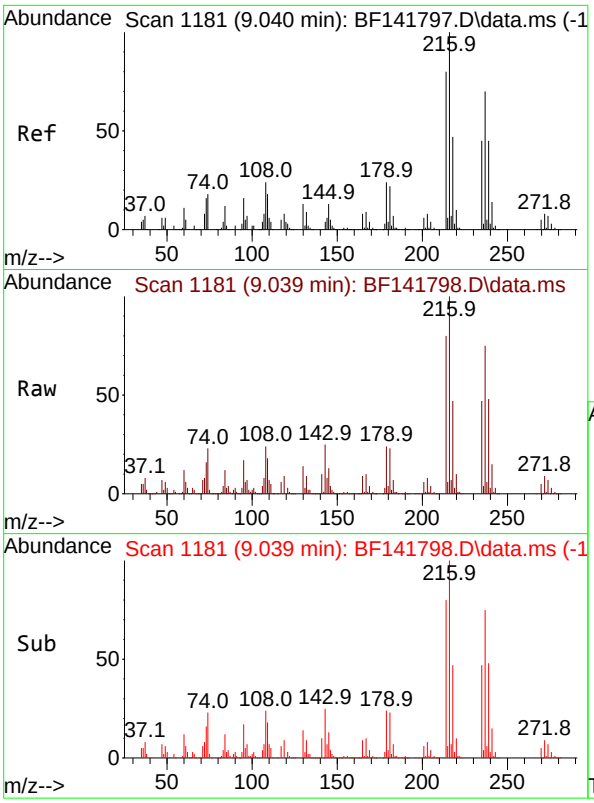


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.555 ng
RT: 9.051 min Scan# 1183
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



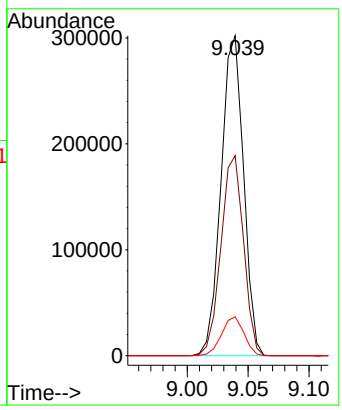


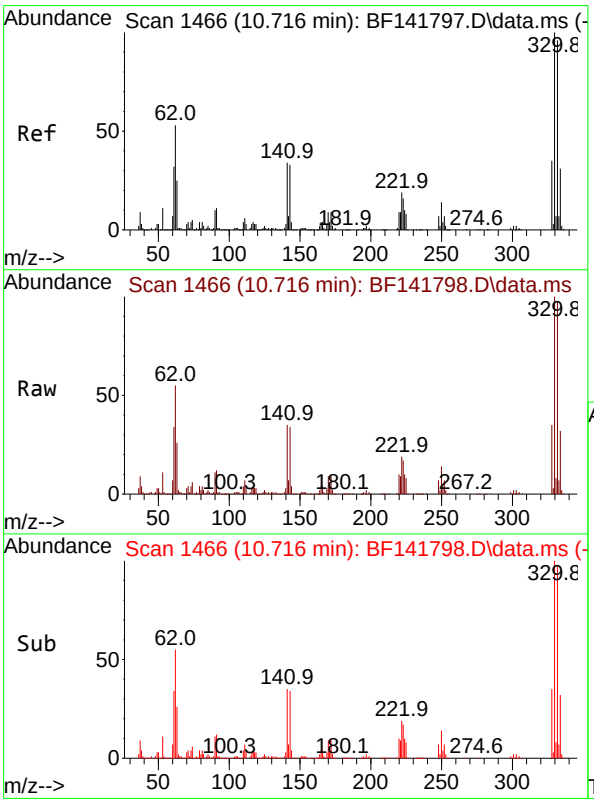
#41
Hexachlorocyclopentadiene
Concen: 50.930 ng
RT: 9.039 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

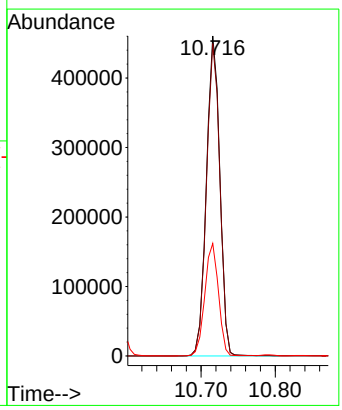


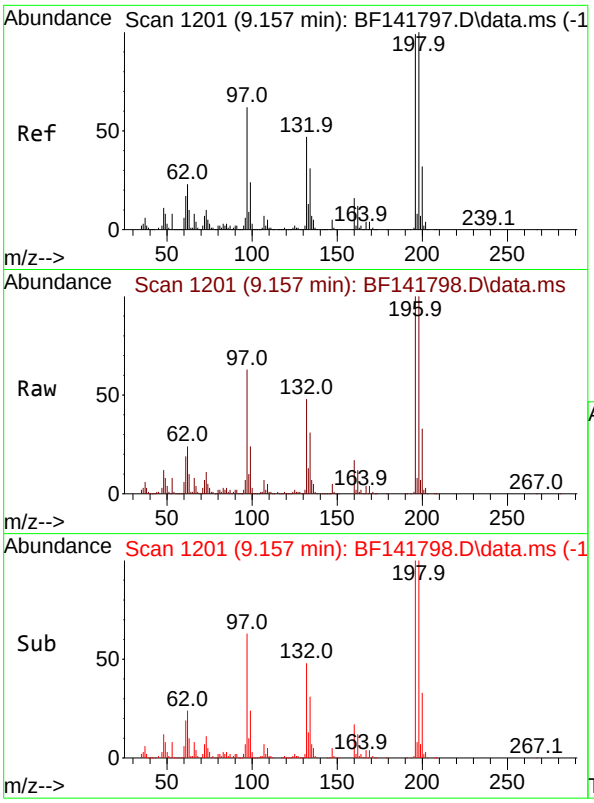


#42
2,4,6-Tribromophenol
Concen: 97.701 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



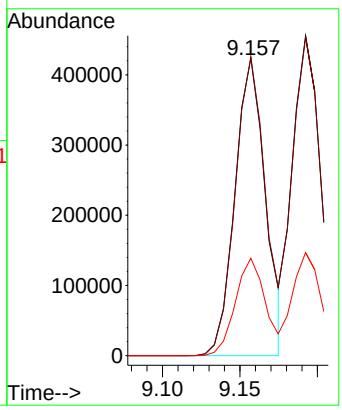


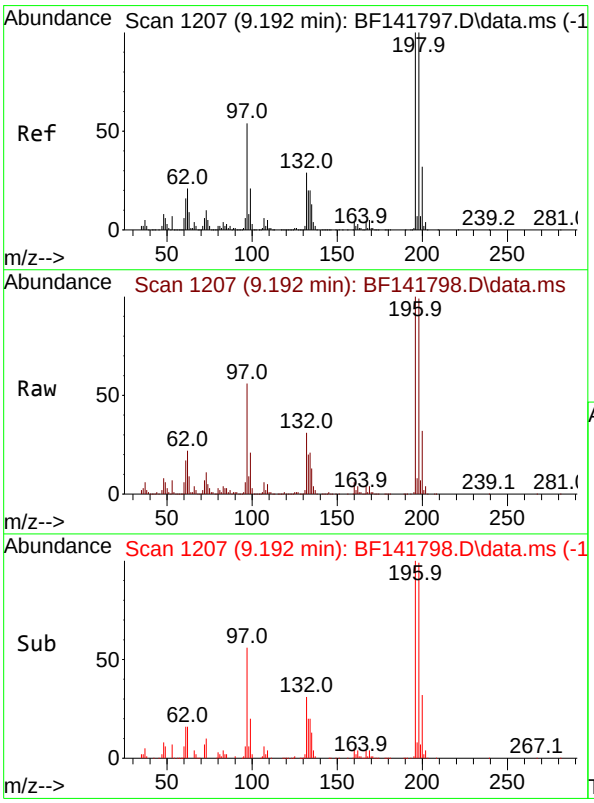
#43
2,4,6-Trichlorophenol
Concen: 49.010 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

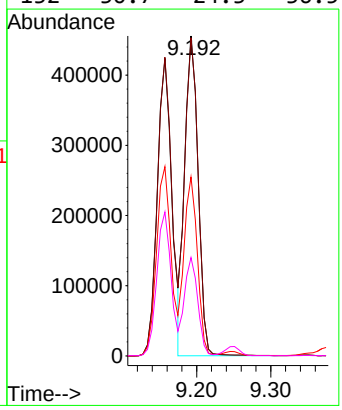


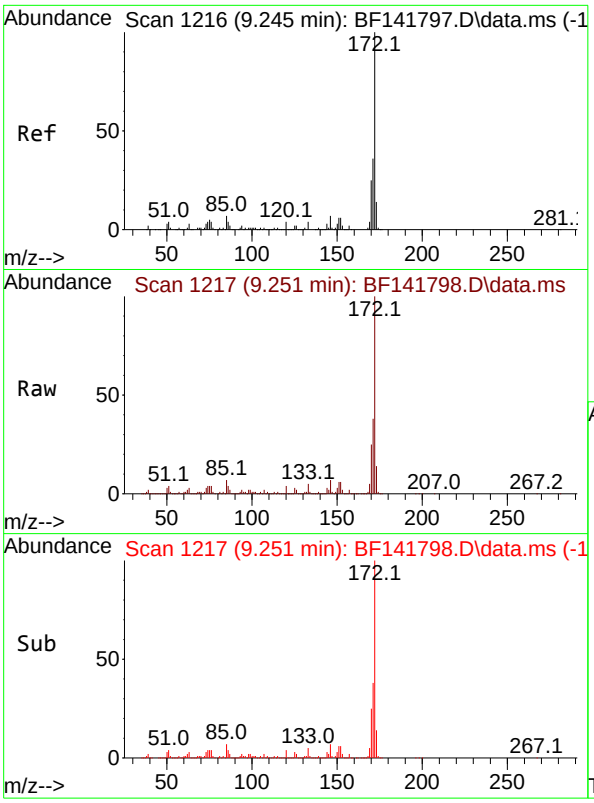


#44
2,4,5-Trichlorophenol
Concen: 49.213 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



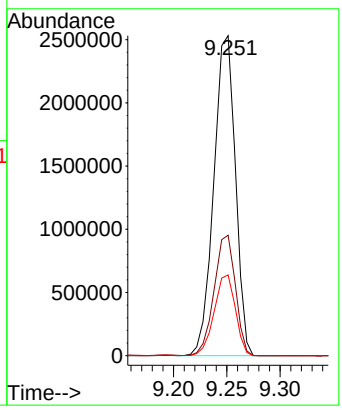


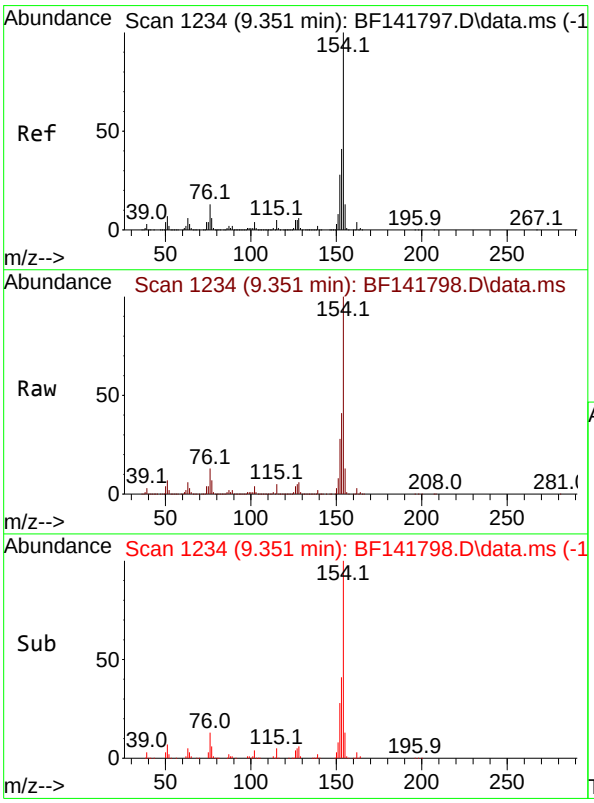
#45
2-Fluorobiphenyl
Concen: 90.435 ng
RT: 9.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

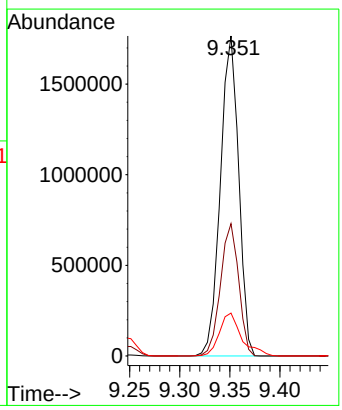


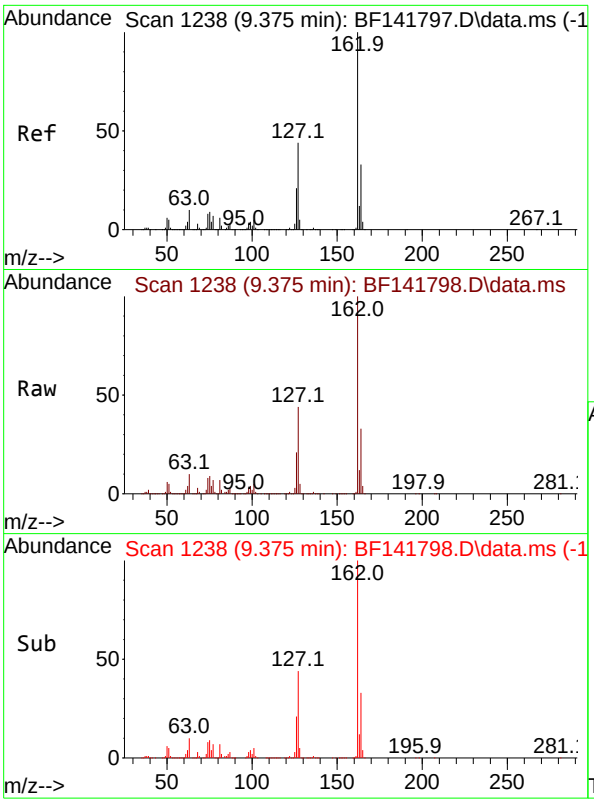


#46
1,1'-Biphenyl
Concen: 46.420 ng
RT: 9.351 min Scan# 1234
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



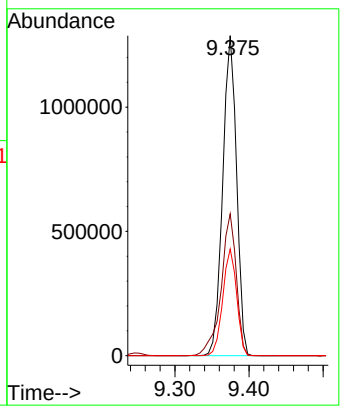


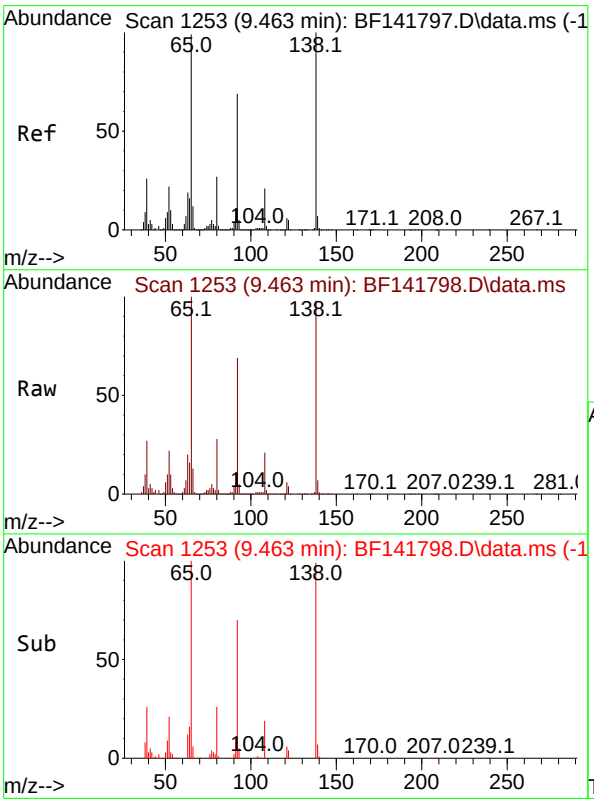
#47
2-Chloronaphthalene
Concen: 47.075 ng
RT: 9.375 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

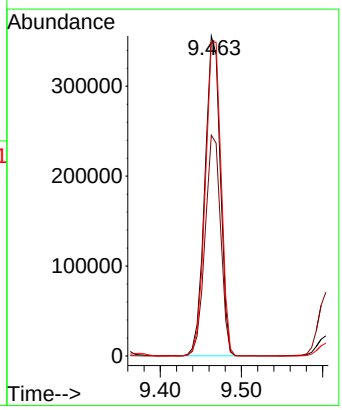


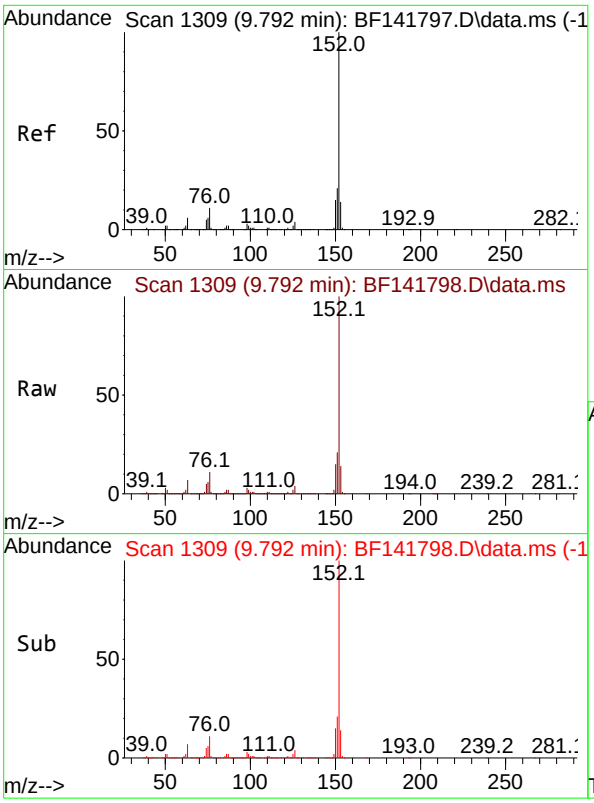


#48
2-Nitroaniline
Concen: 48.211 ng
RT: 9.463 min Scan# 1253
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



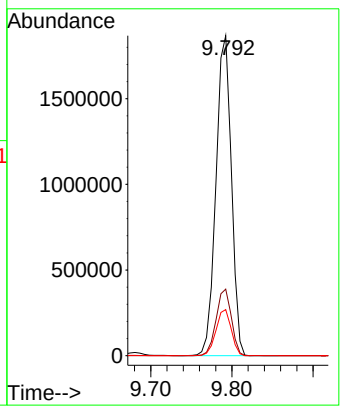


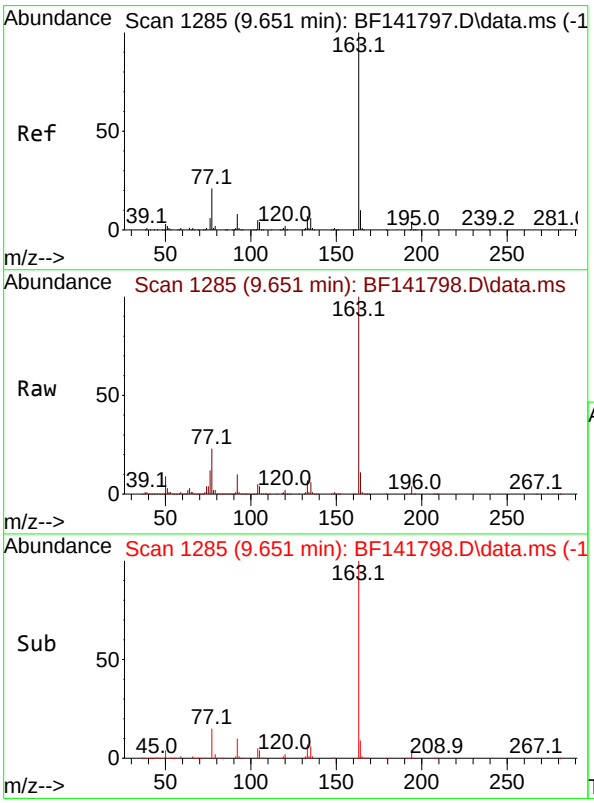
#49
Acenaphthylene
Concen: 46.294 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

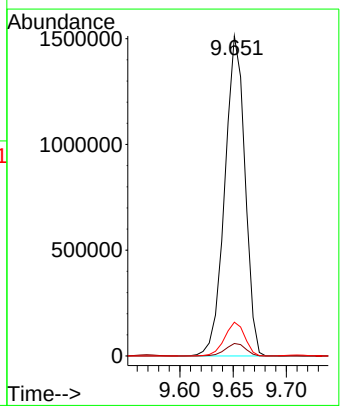


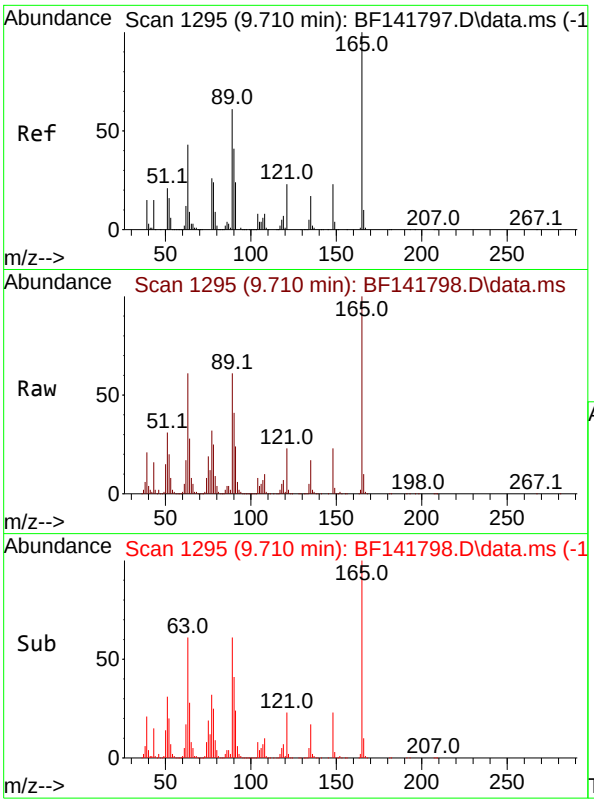


#50
Dimethylphthalate
Concen: 47.103 ng
RT: 9.651 min Scan# 1285
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



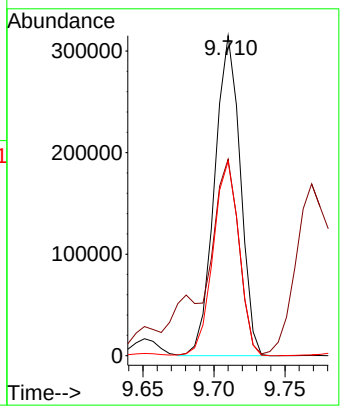


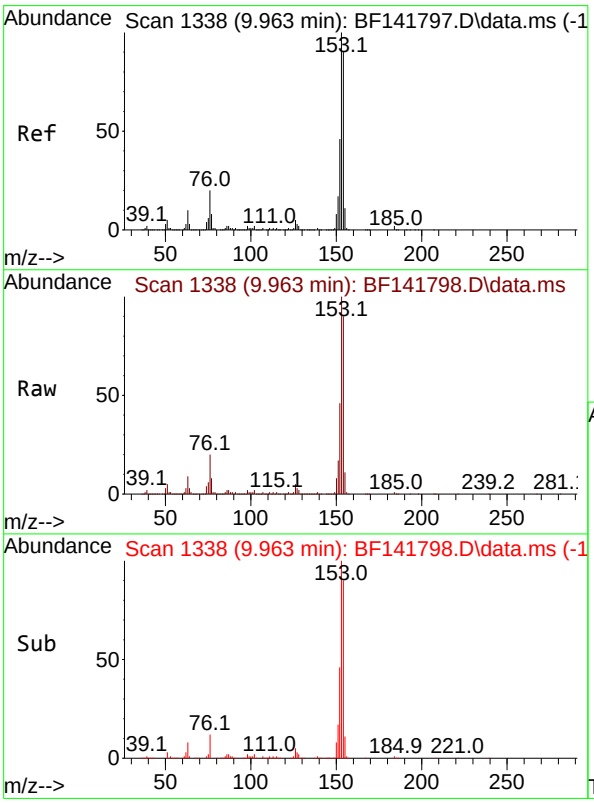
#51
2,6-Dinitrotoluene
Concen: 48.926 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

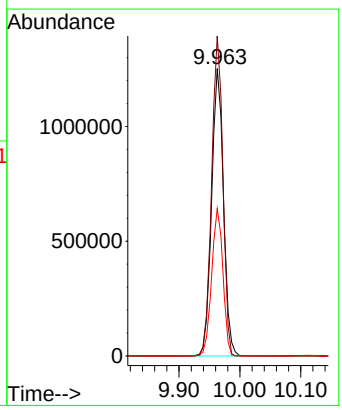


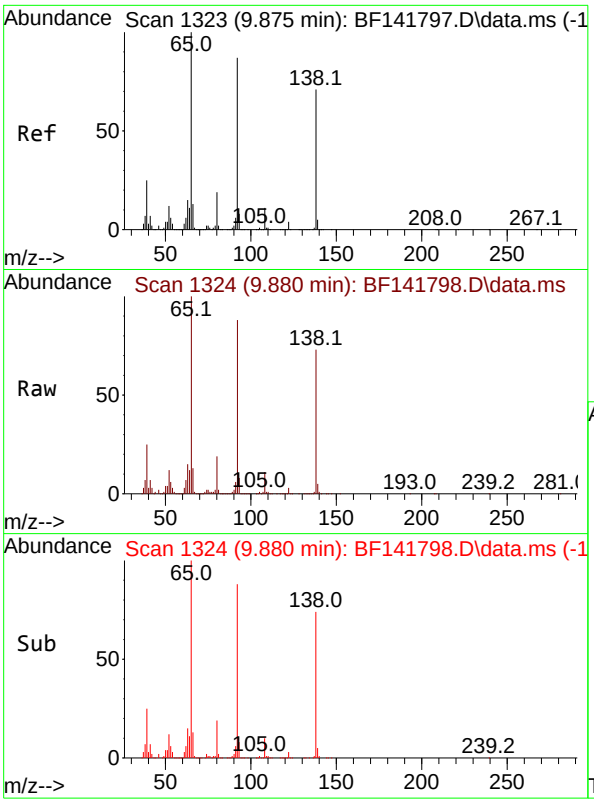


#52
Acenaphthene
Concen: 46.994 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



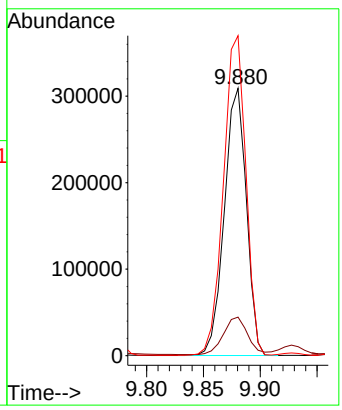


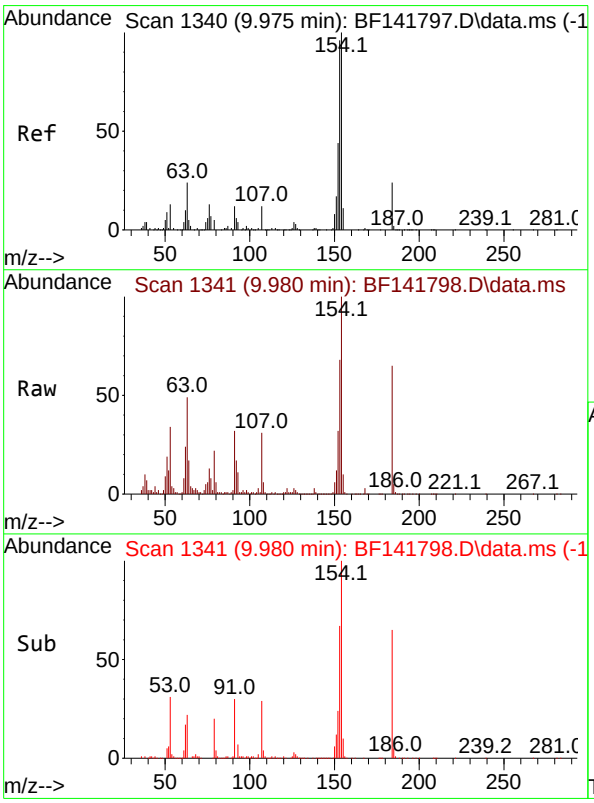
#53
3-Nitroaniline
Concen: 48.300 ng
RT: 9.880 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

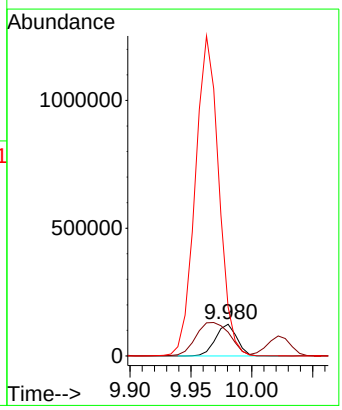


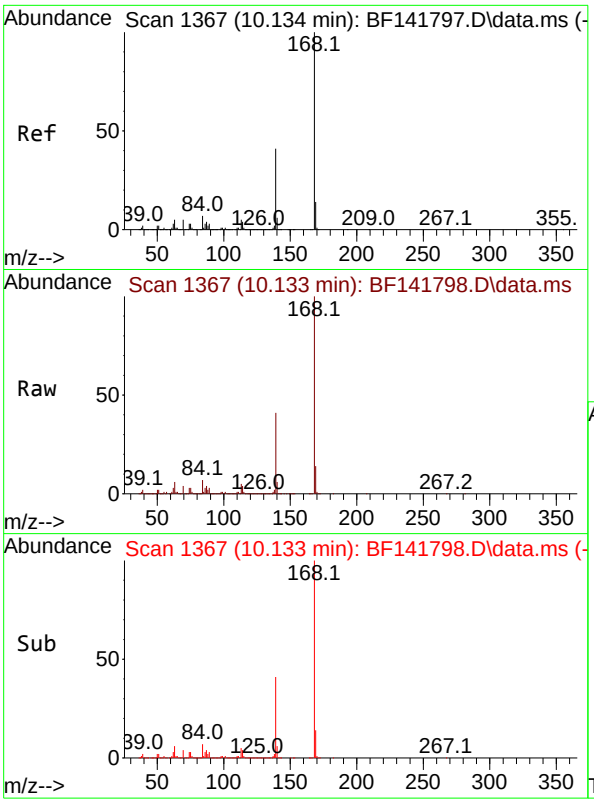


#54
2,4-Dinitrophenol
Concen: 48.388 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.005 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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#



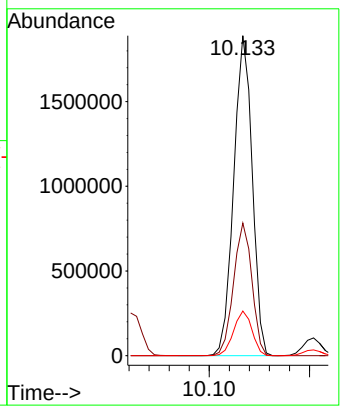


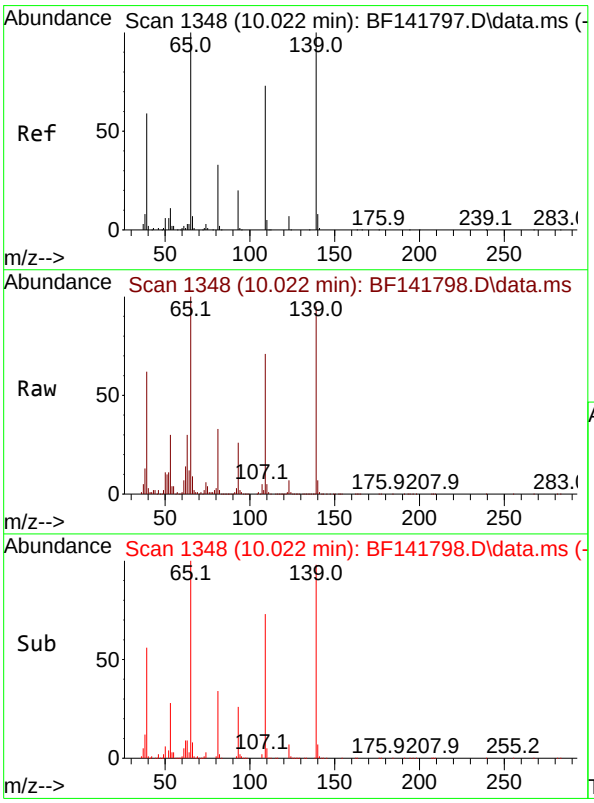
#55
Dibenzofuran
Concen: 46.312 ng
RT: 10.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

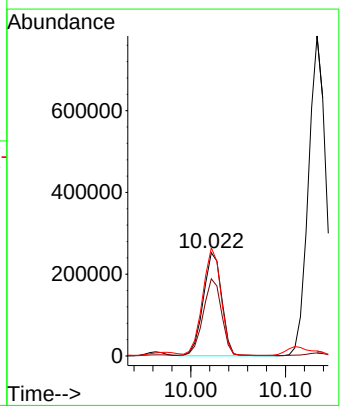


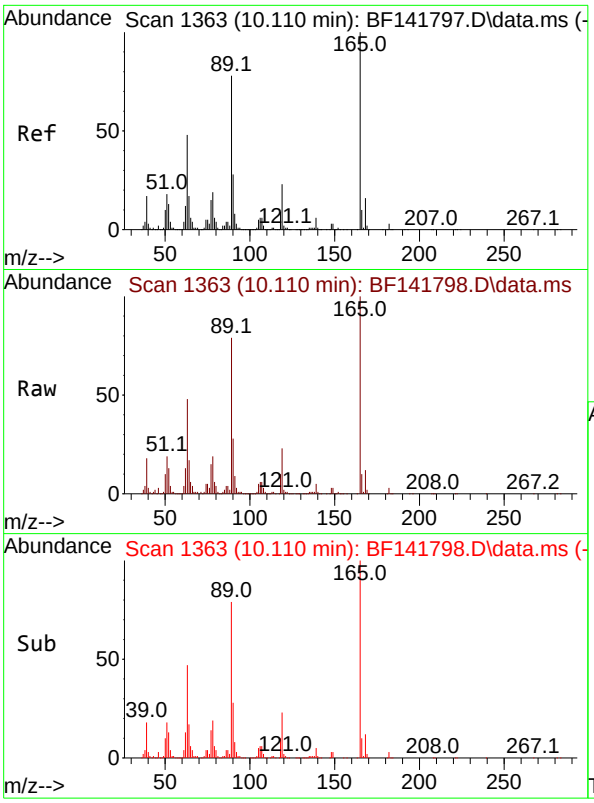


#56
4-Nitrophenol
Concen: 54.357 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



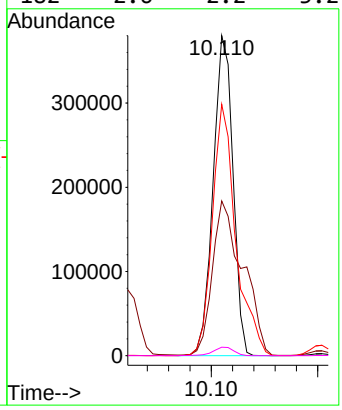


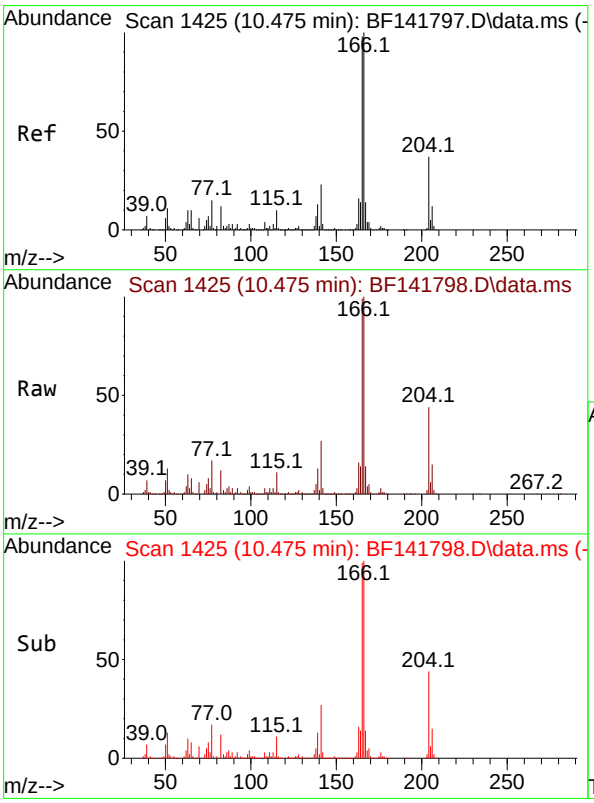
#57
2,4-Dinitrotoluene
Concen: 49.405 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

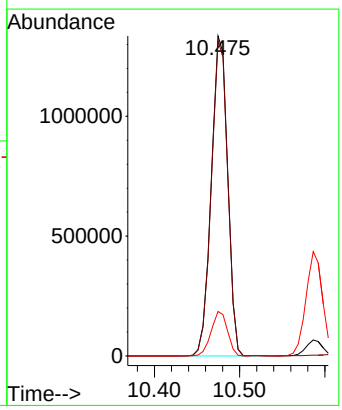


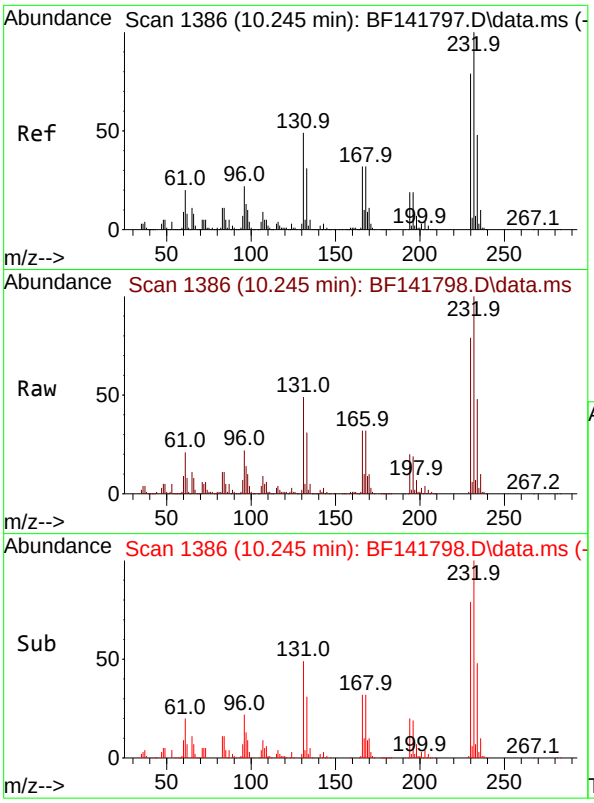


#58
Fluorene
Concen: 45.518 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



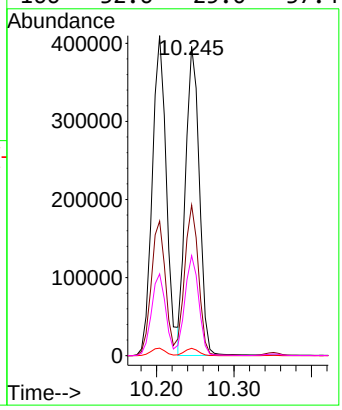


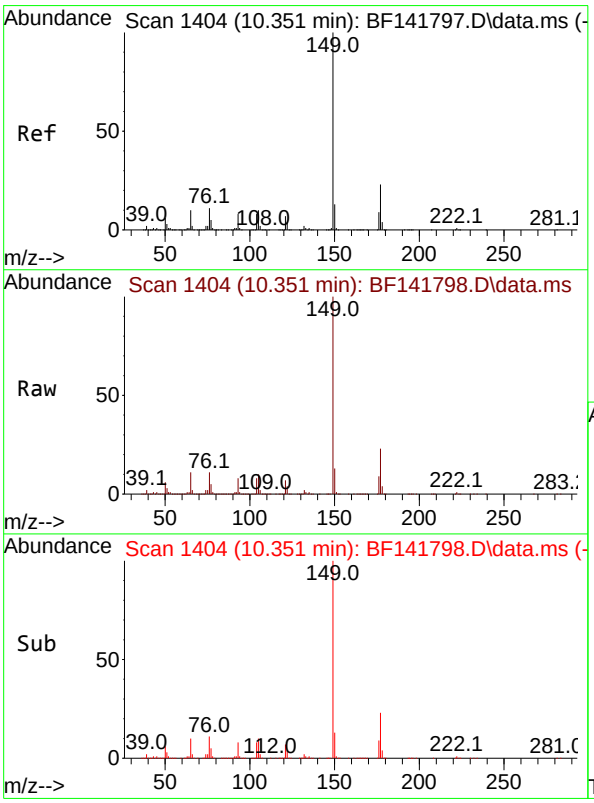
#59
2,3,4,6-Tetrachlorophenol
Concen: 48.140 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

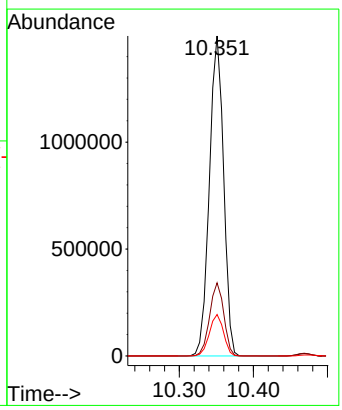


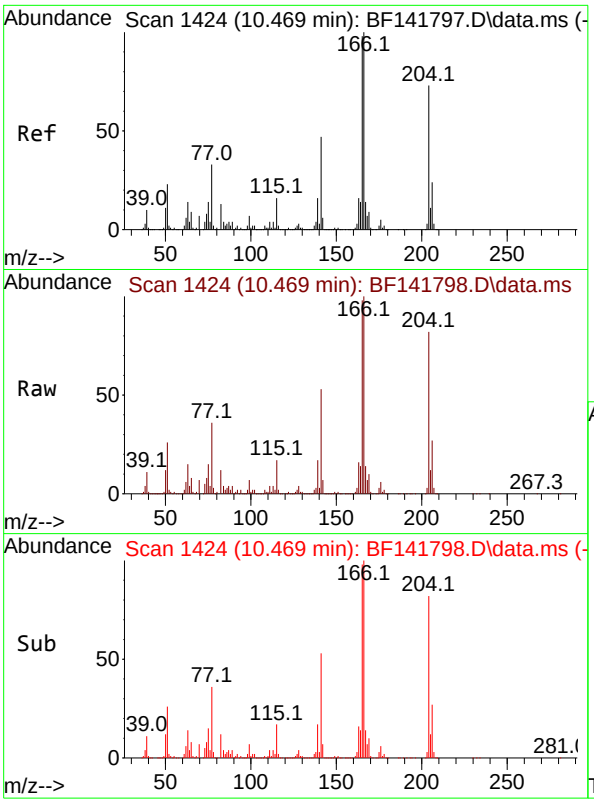


#60
Diethylphthalate
Concen: 46.896 ng
RT: 10.351 min Scan# 1404
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



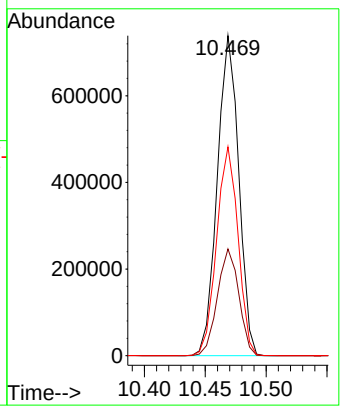


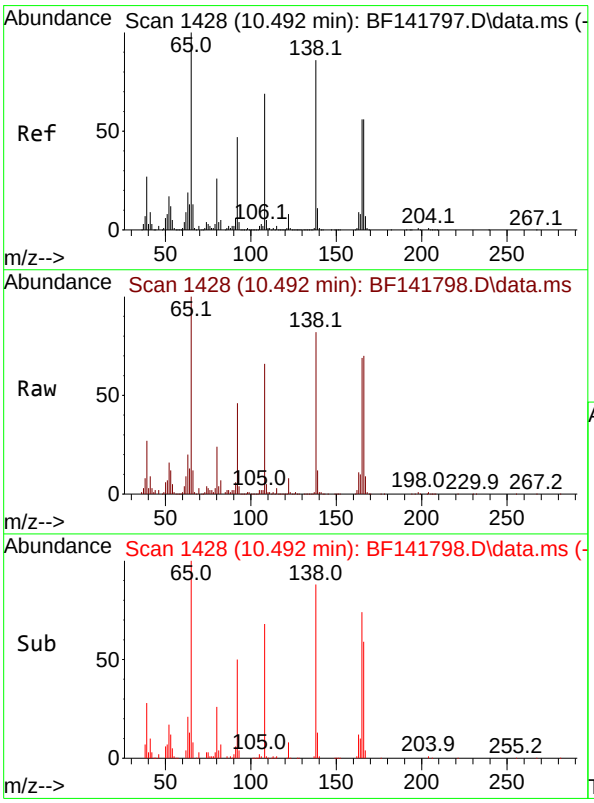
#61
4-Chlorophenyl-phenylether
Concen: 46.084 ng
RT: 10.469 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

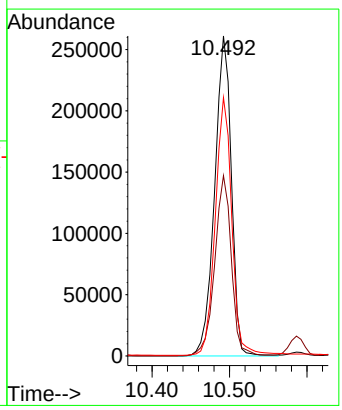


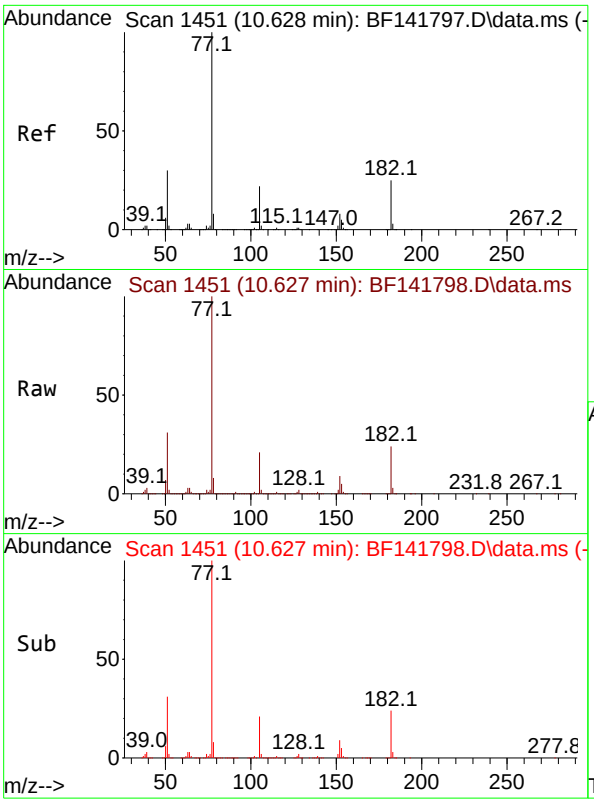


#62
4-Nitroaniline
Concen: 54.114 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



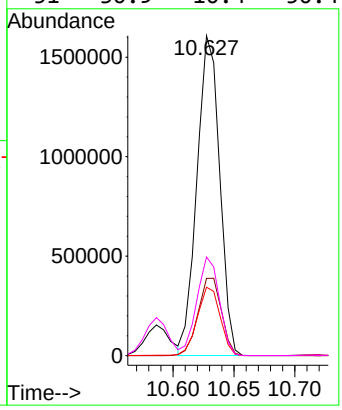


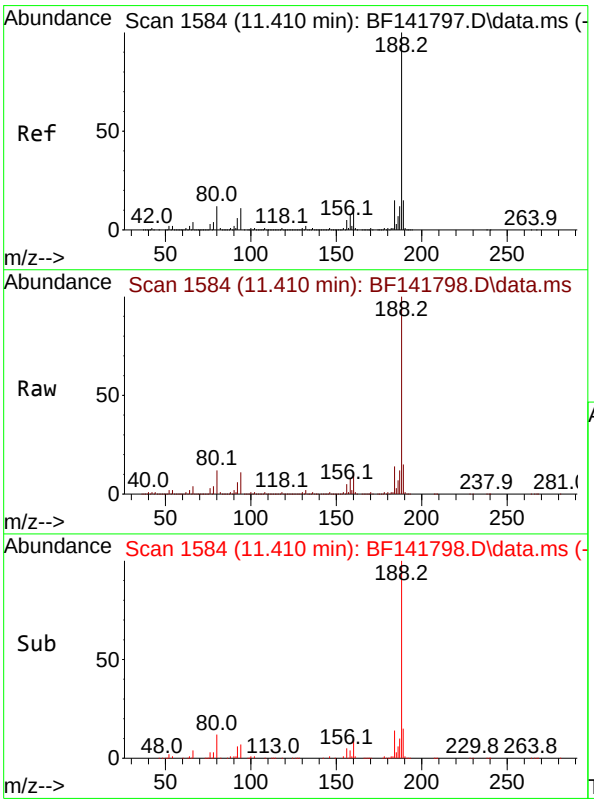
#63
Azobenzene
Concen: 46.687 ng
RT: 10.627 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

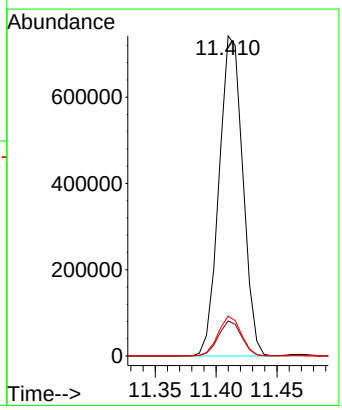


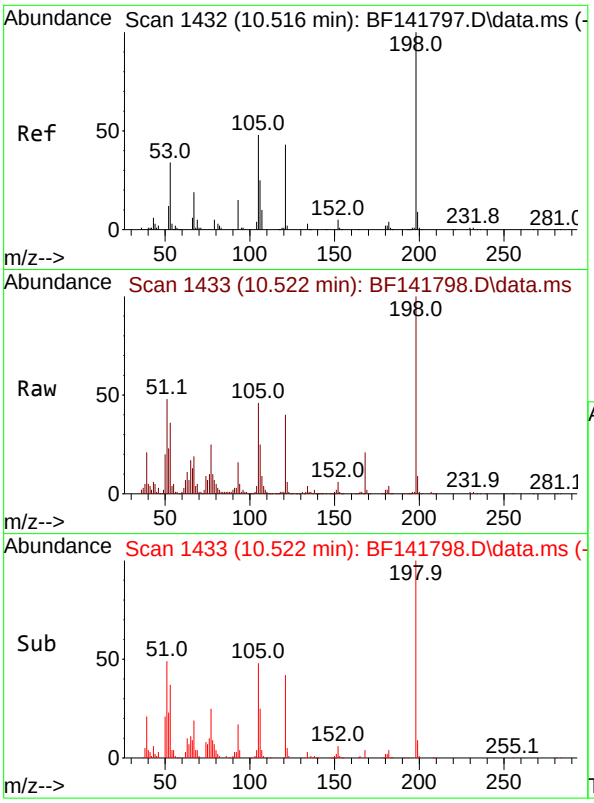


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



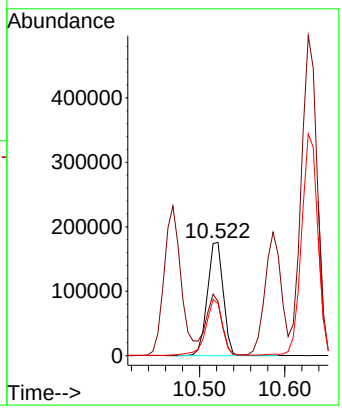


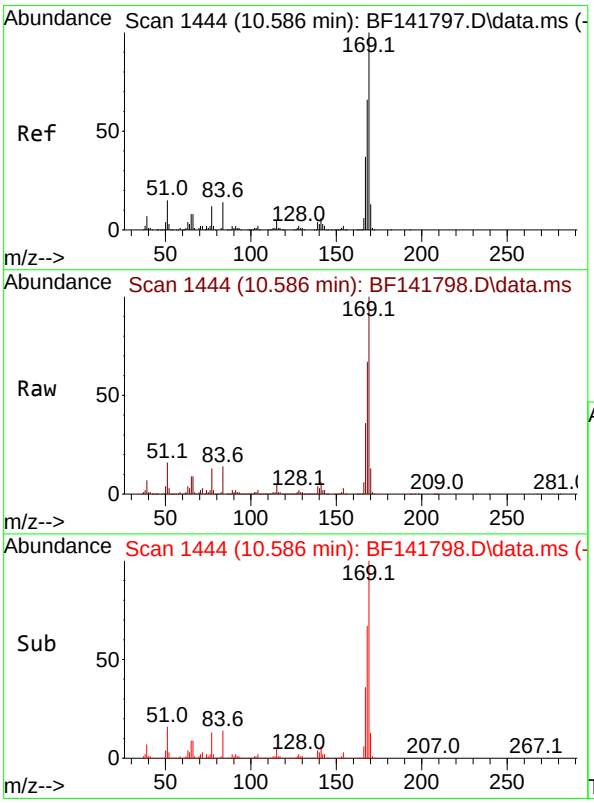
#65
4,6-Dinitro-2-methylphenol
Concen: 47.968 ng
RT: 10.522 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

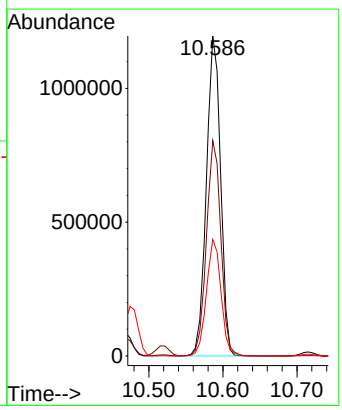


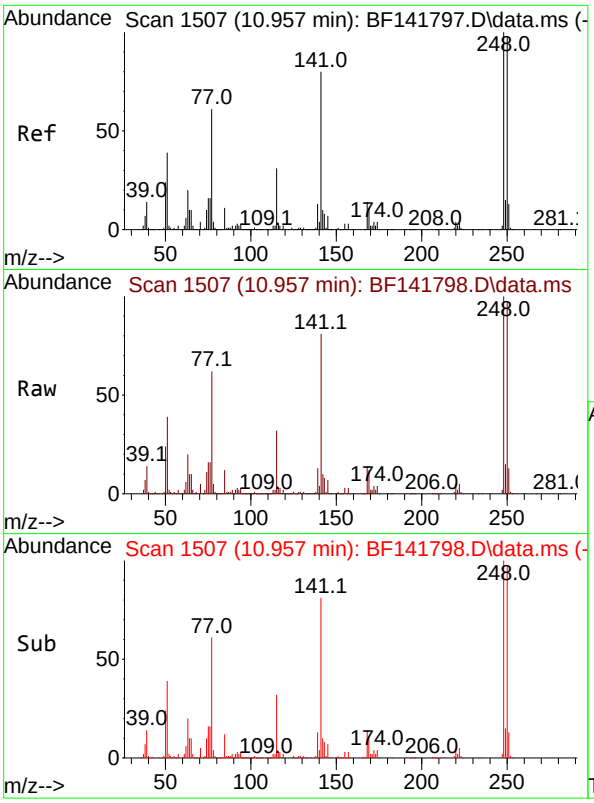


#66
n-Nitrosodiphenylamine
Concen: 48.041 ng
RT: 10.586 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



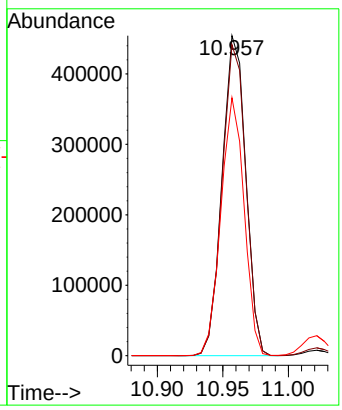


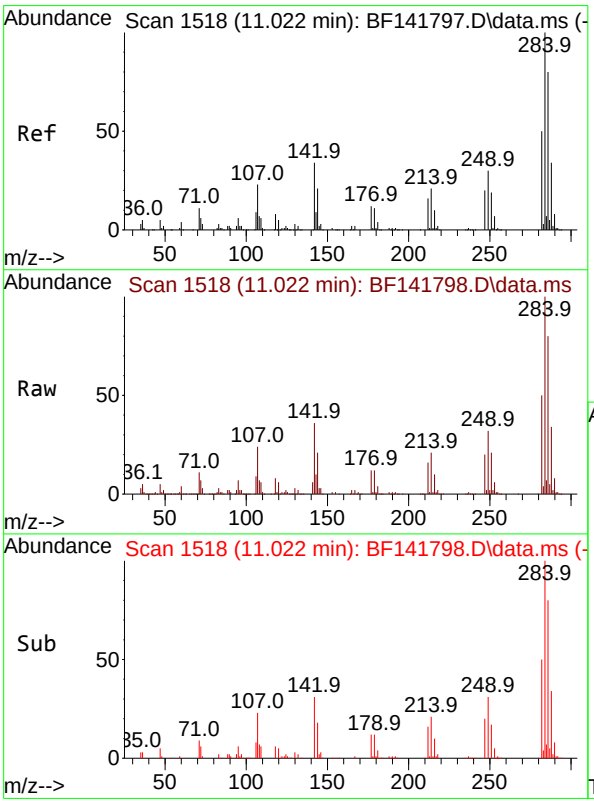
#67
4-Bromophenyl-phenylether
Concen: 48.631 ng
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

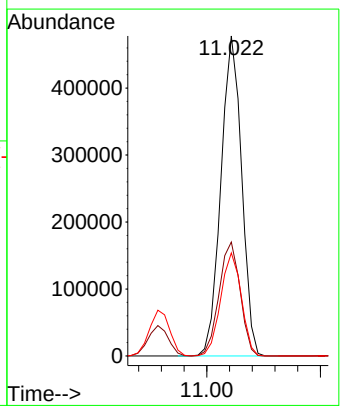


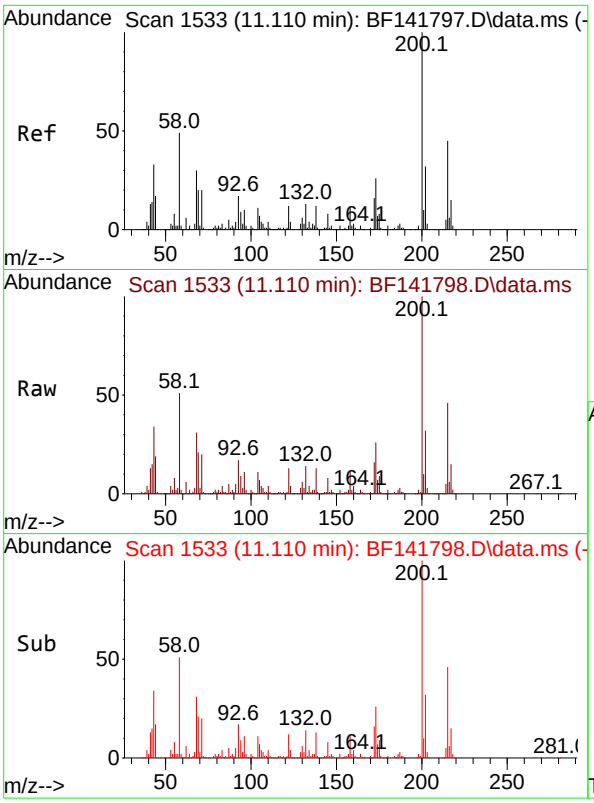


#68
Hexachlorobenzene
Concen: 48.705 ng
RT: 11.022 min Scan# 1518
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



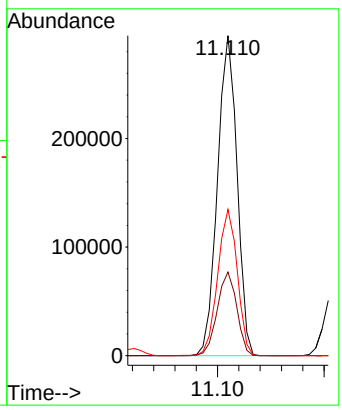


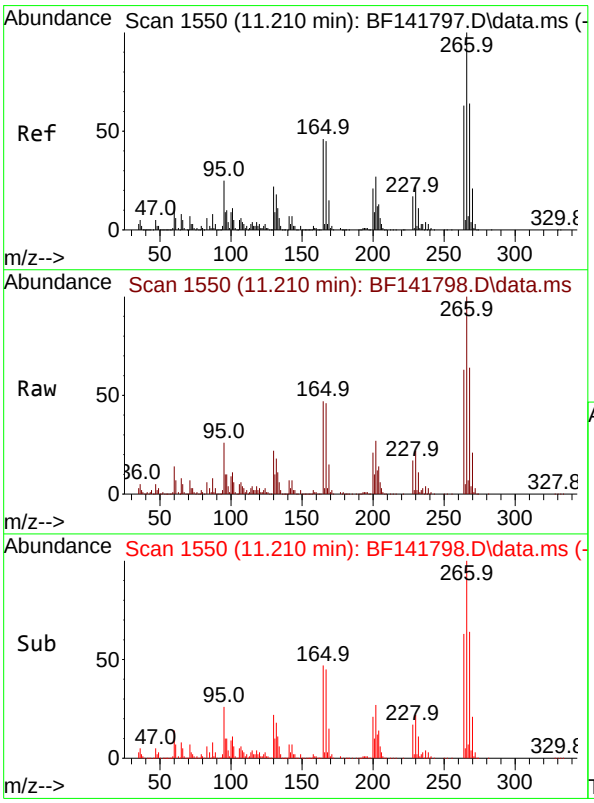
#69
Atrazine
Concen: 41.179 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

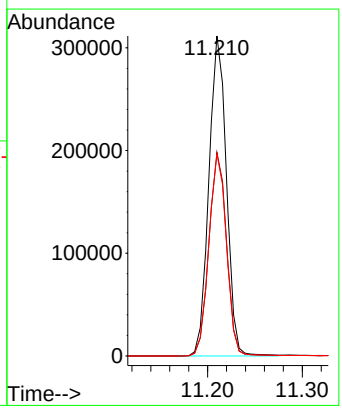


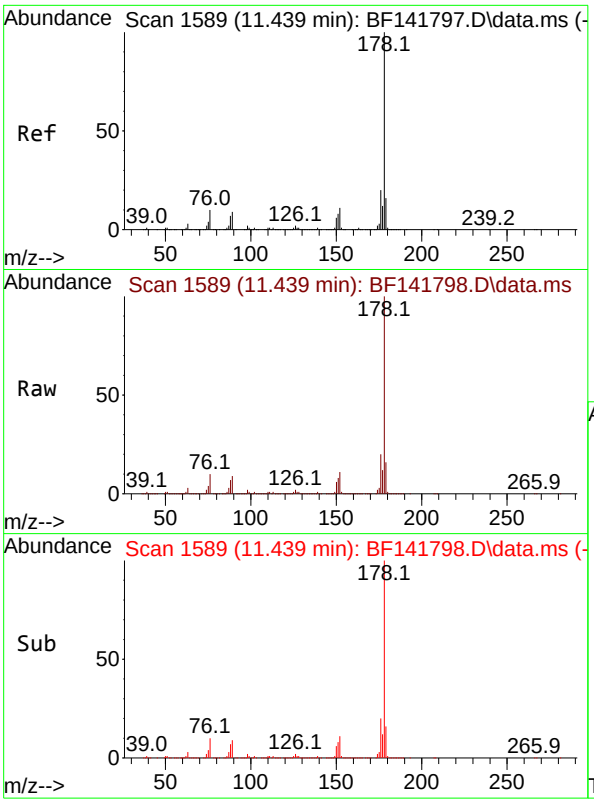


#70
Pentachlorophenol
Concen: 50.809 ng
RT: 11.210 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



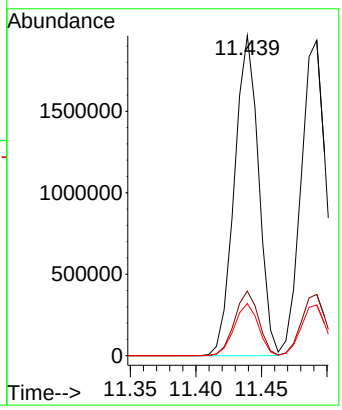


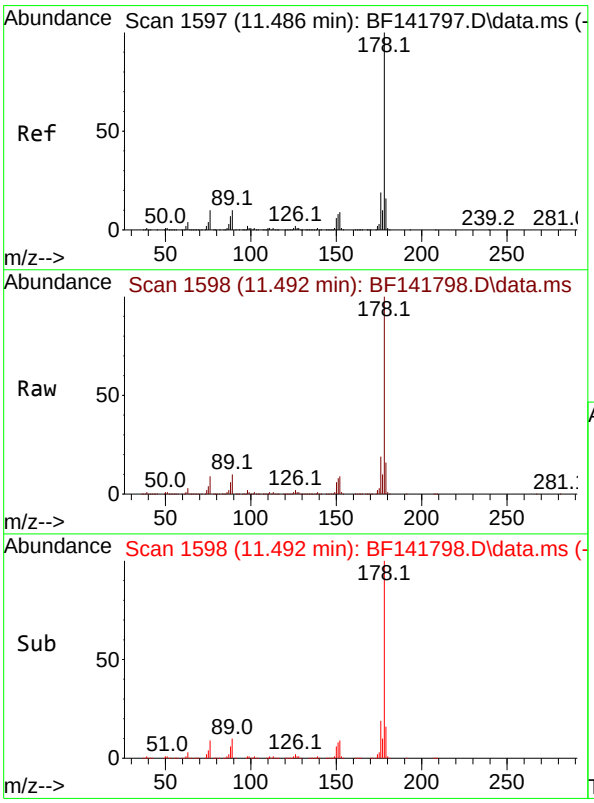
#71
Phenanthrene
Concen: 46.806 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

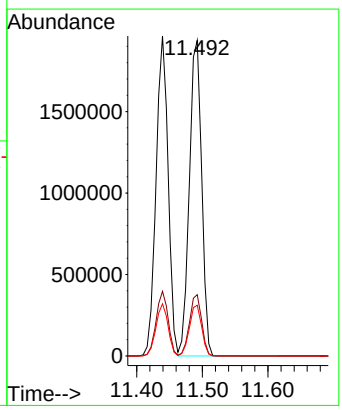


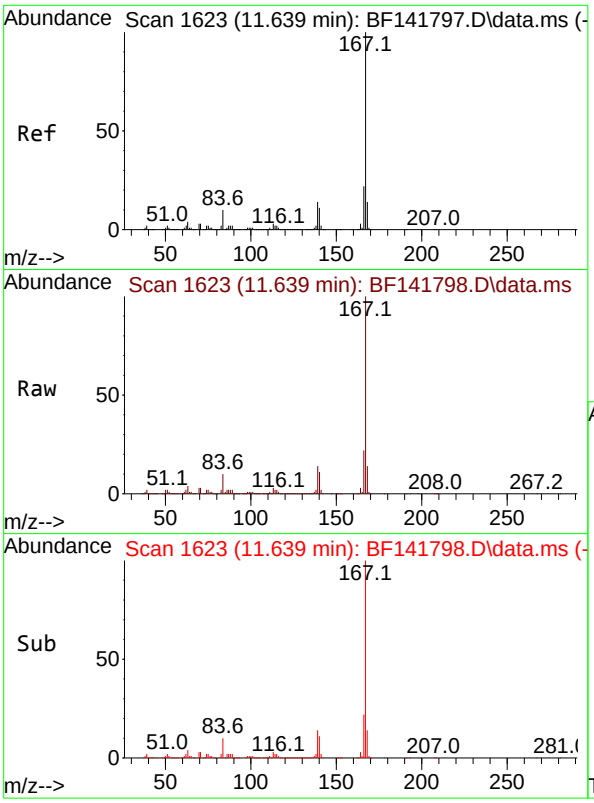


#72
Anthracene
Concen: 46.707 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



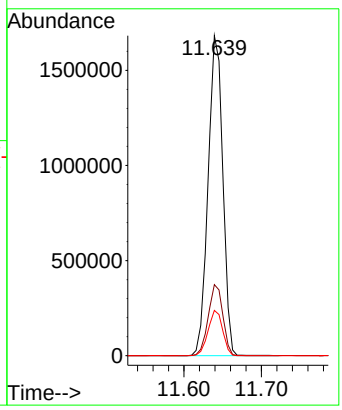


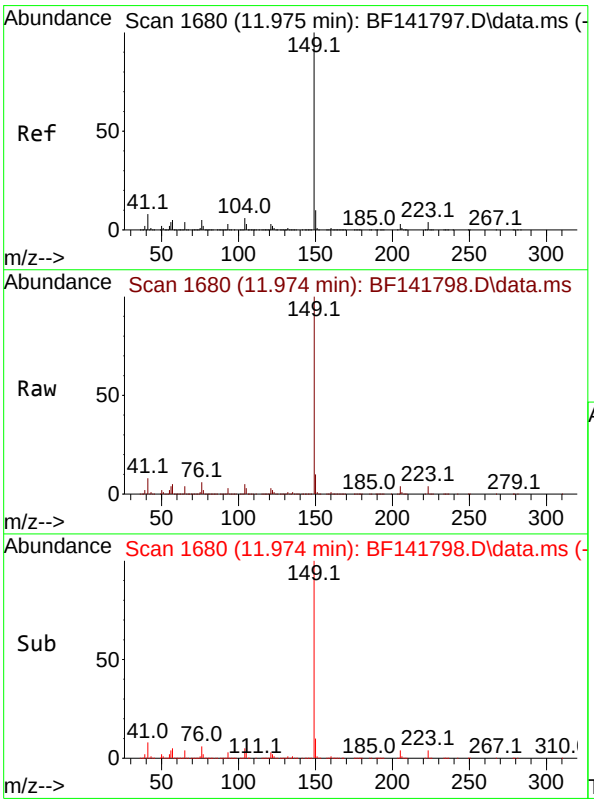
#73
Carbazole
Concen: 46.572 ng
RT: 11.639 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

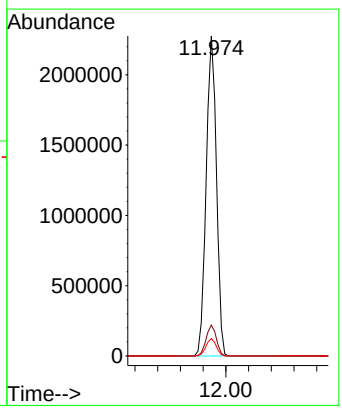


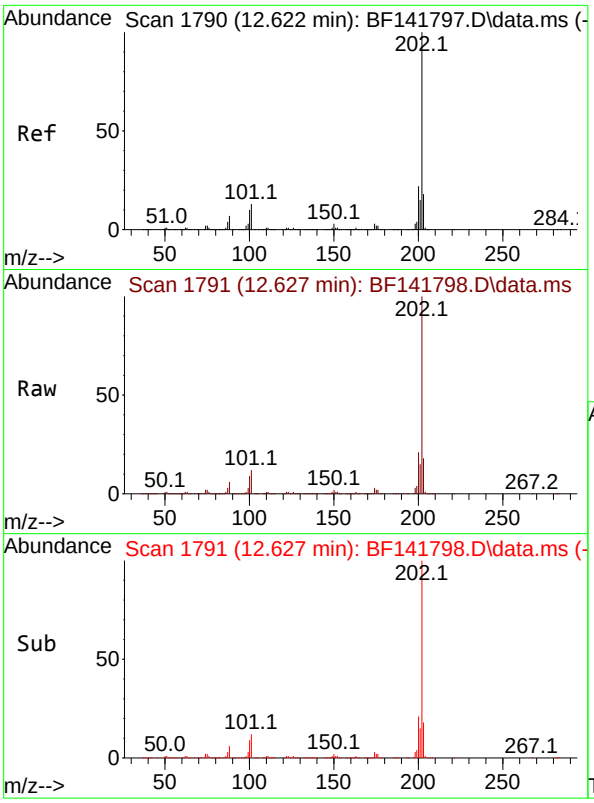


#74
Di-n-butylphthalate
Concen: 46.982 ng
RT: 11.974 min Scan# 1680
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



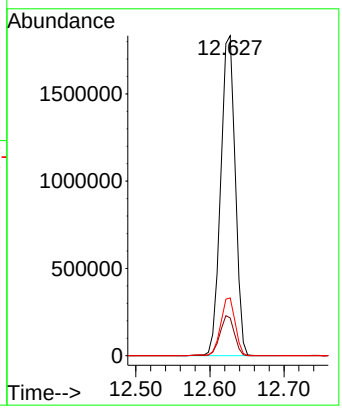


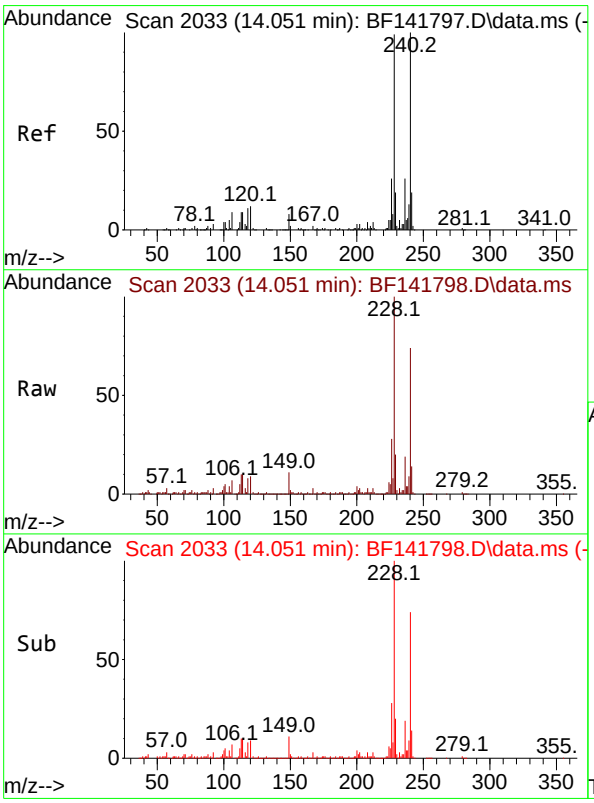
#75
Fluoranthene
Concen: 45.269 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

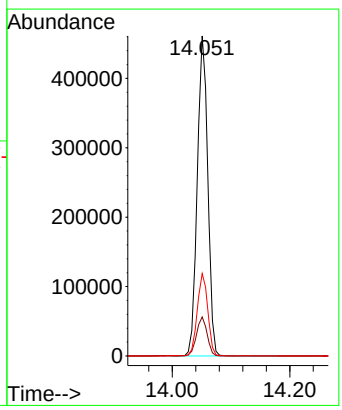


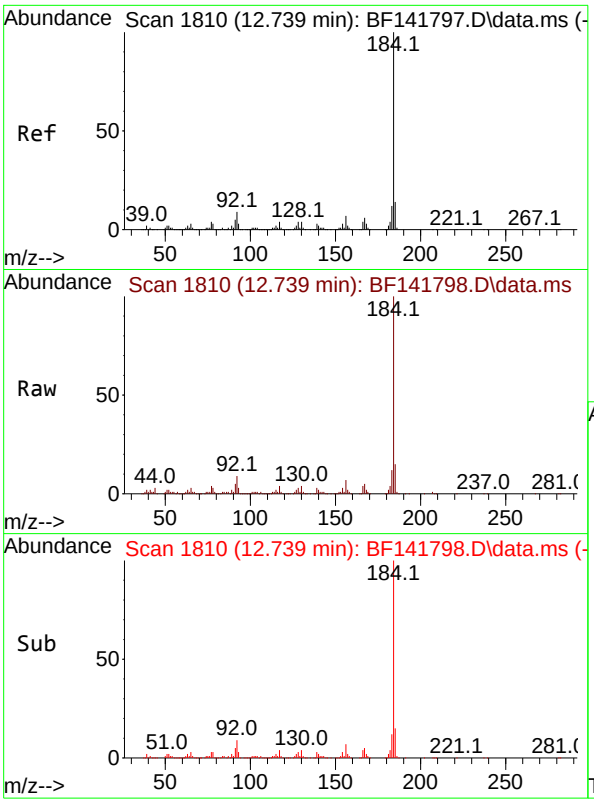


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



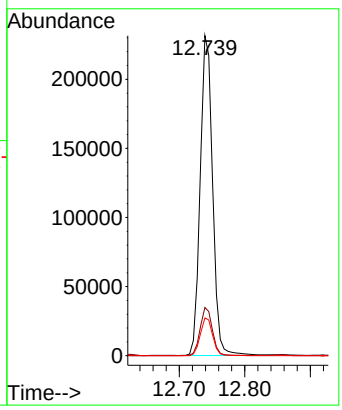


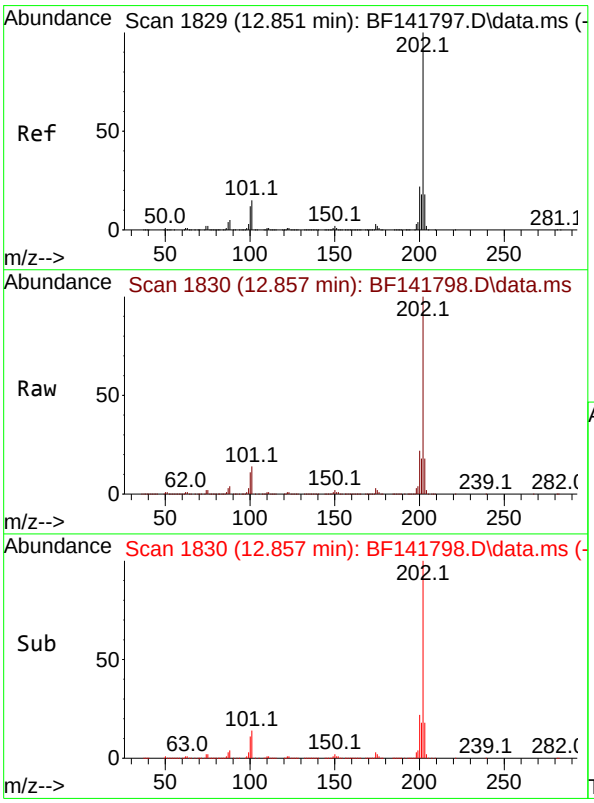
#77
Benzidine
Concen: 42.453 ng
RT: 12.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

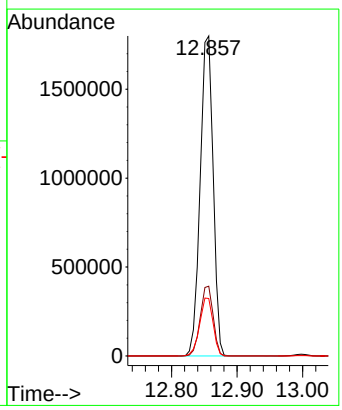


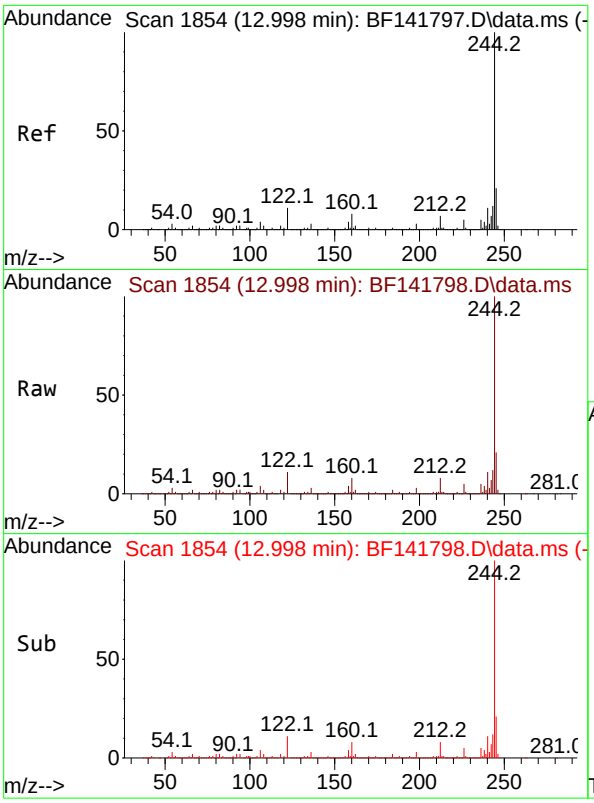


#78
Pyrene
Concen: 50.178 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



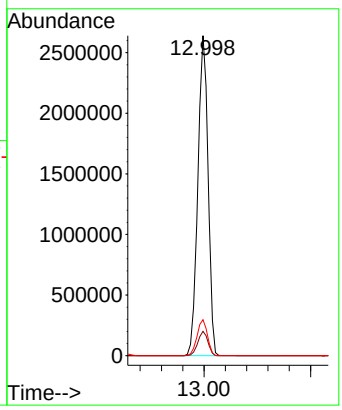


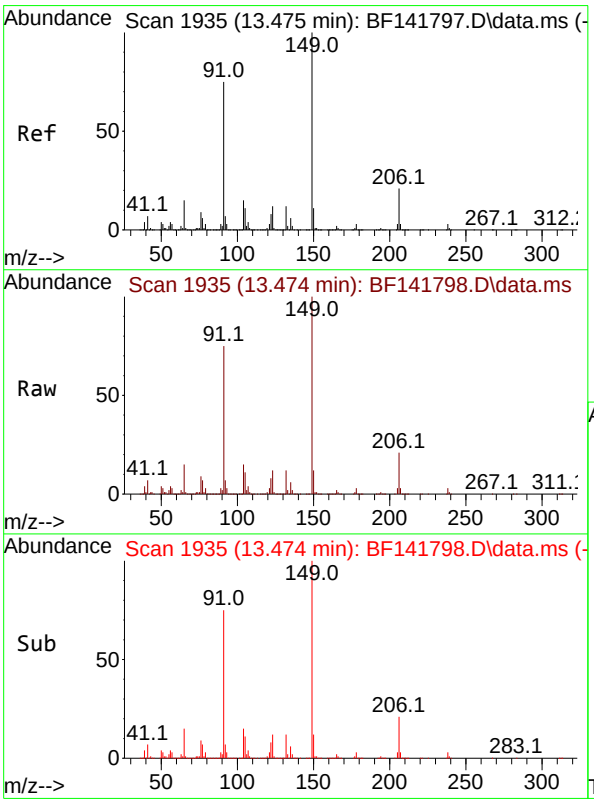
#79
Terphenyl-d14
Concen: 99.483 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

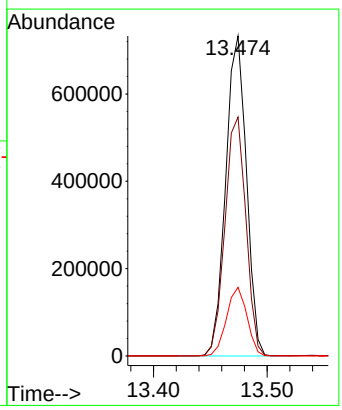


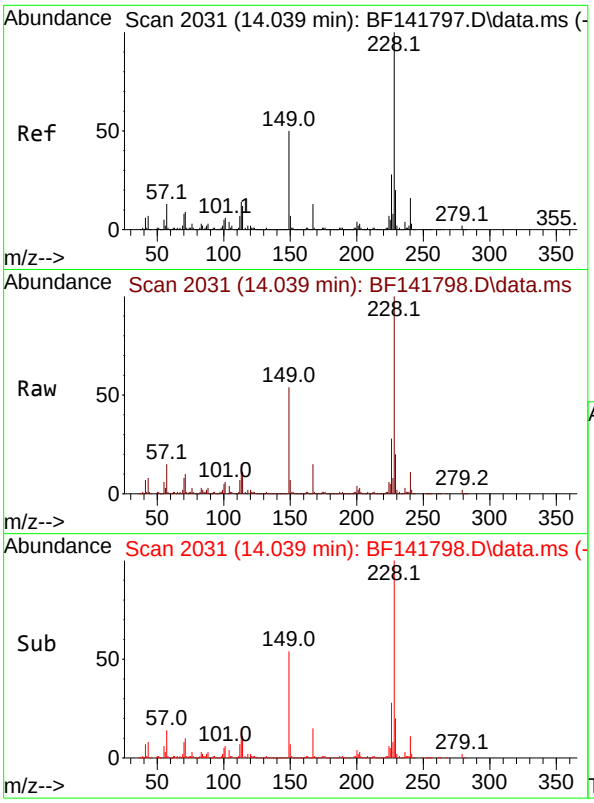


#80
Butylbenzylphthalate
Concen: 51.657 ng
RT: 13.474 min Scan# 1935
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



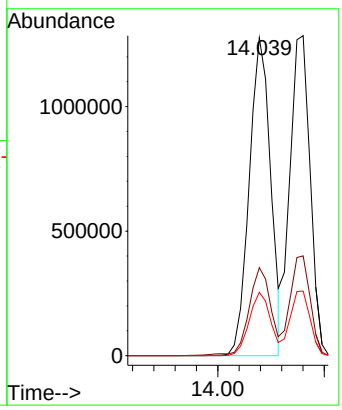


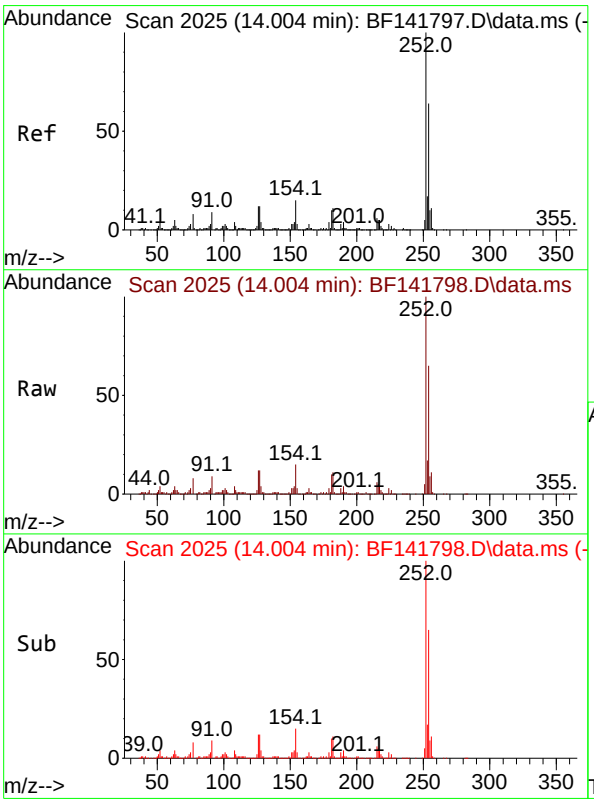
#81
Benzo(a)anthracene
Concen: 47.067 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

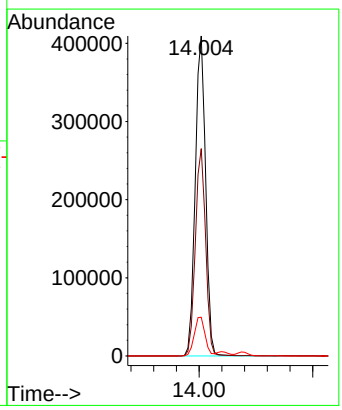


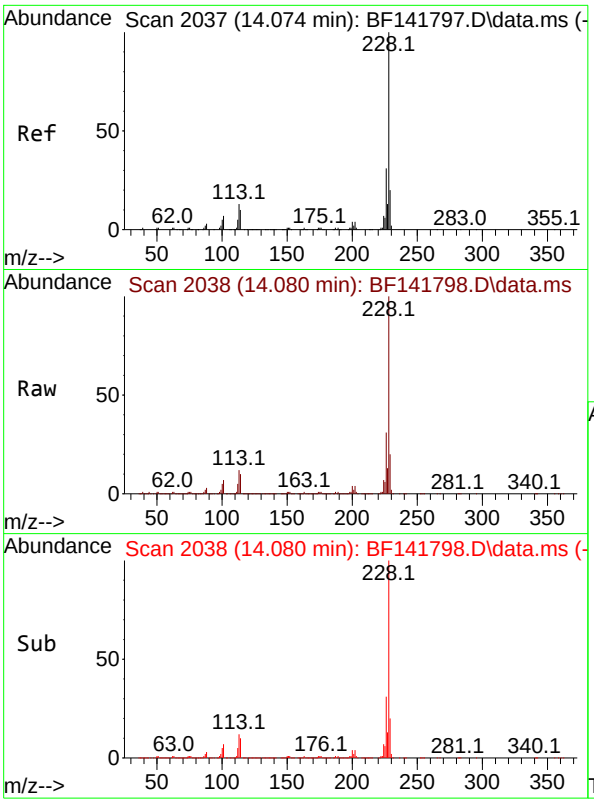


#82
3,3'-Dichlorobenzidine
Concen: 48.021 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



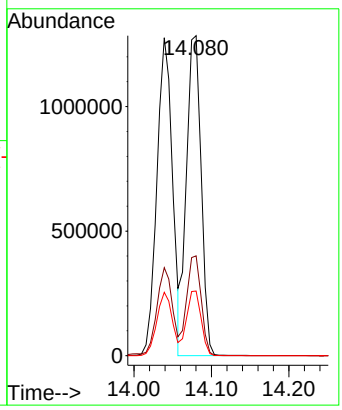


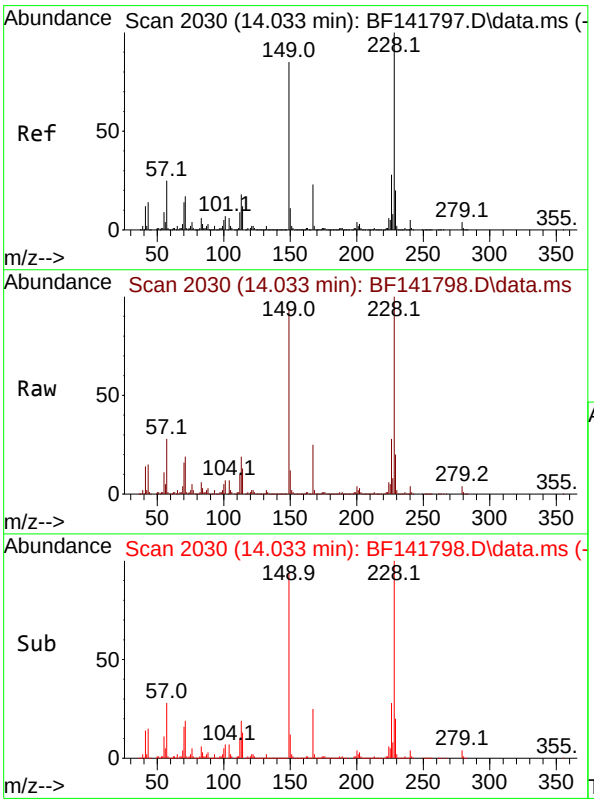
#83
Chrysene
Concen: 48.659 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

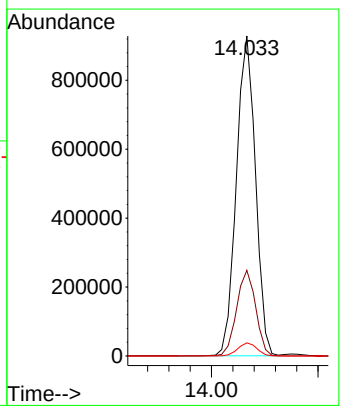


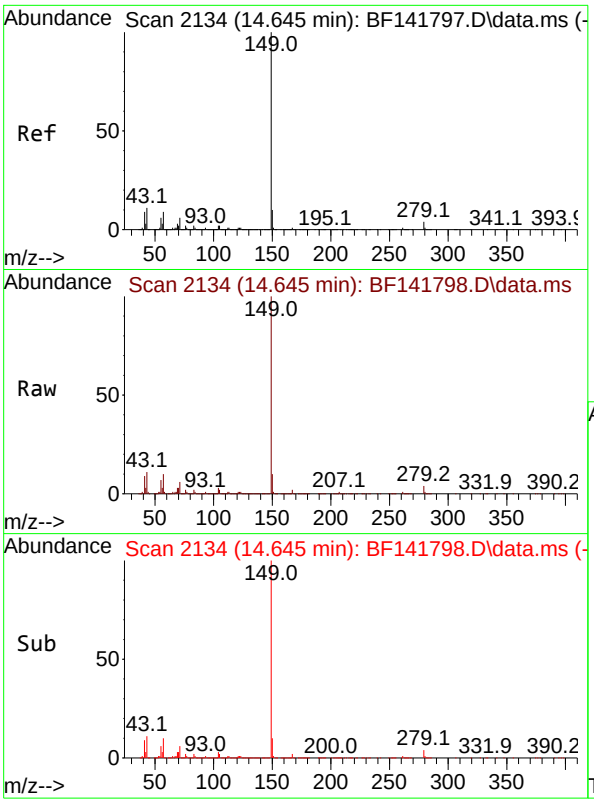


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.766 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



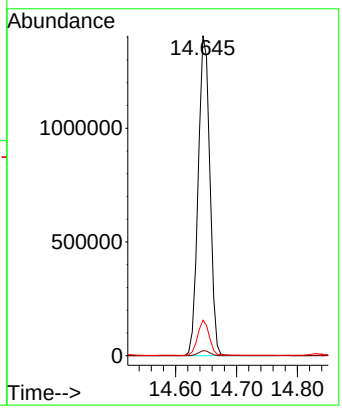


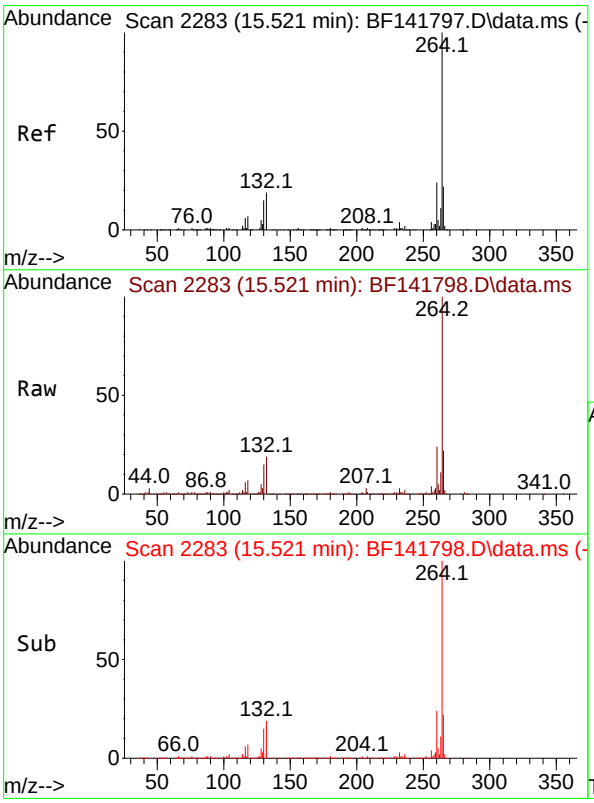
#85
Di-n-octyl phthalate
Concen: 55.606 ng
RT: 14.645 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

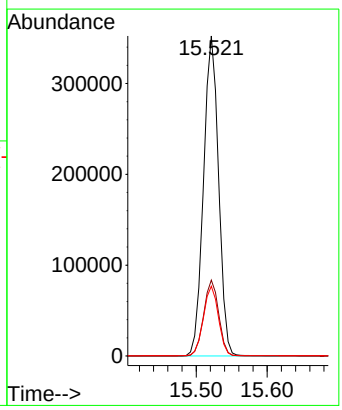


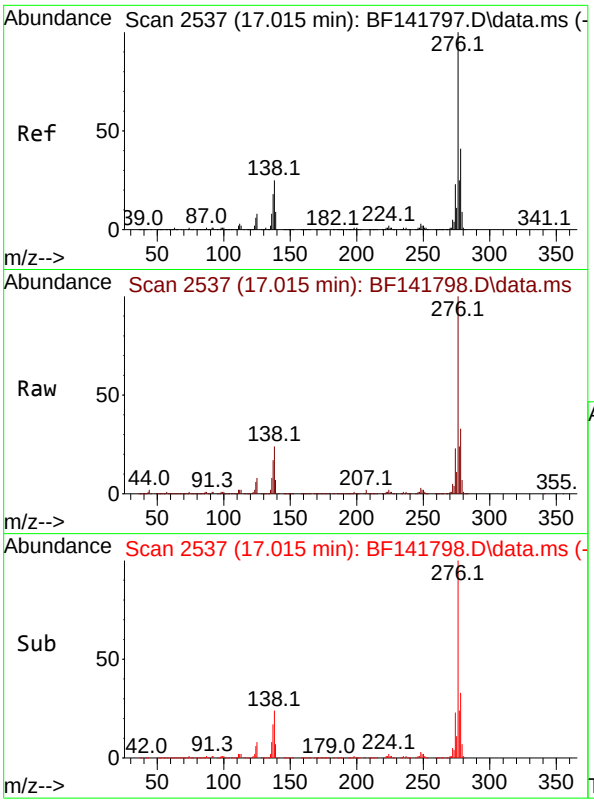


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



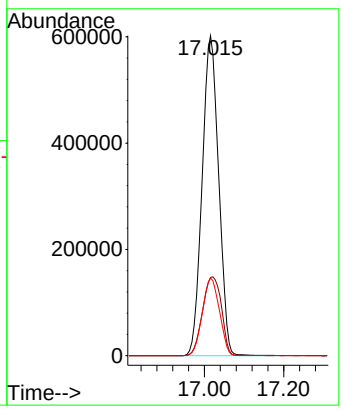


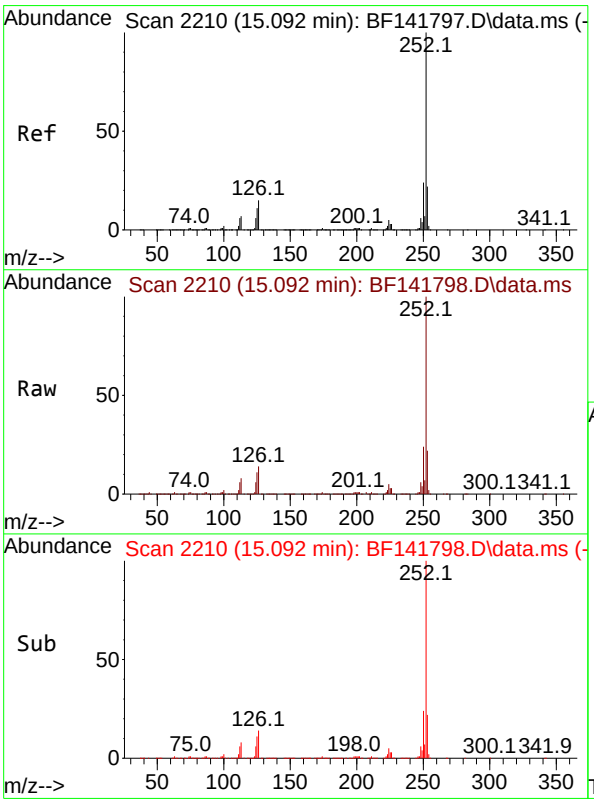
#87
Indeno(1,2,3-cd)pyrene
Concen: 52.510 ng
RT: 17.015 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

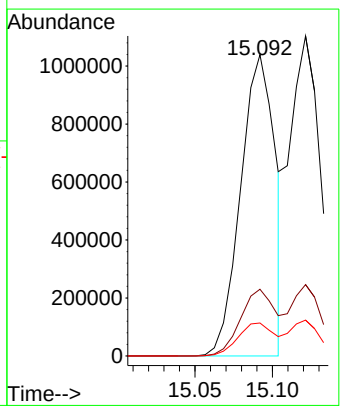


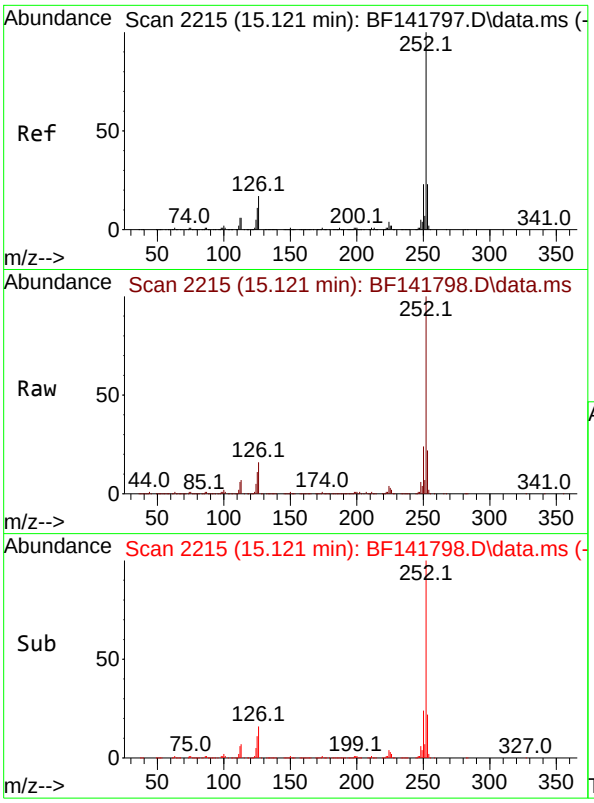


#88
Benzo(b)fluoranthene
Concen: 45.220 ng
RT: 15.092 min Scan# 2210
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



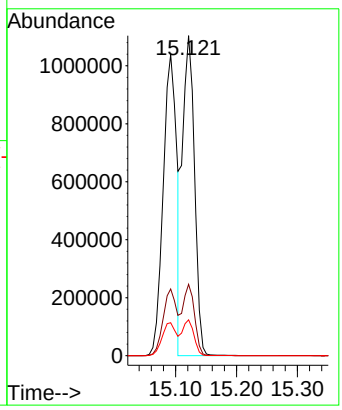


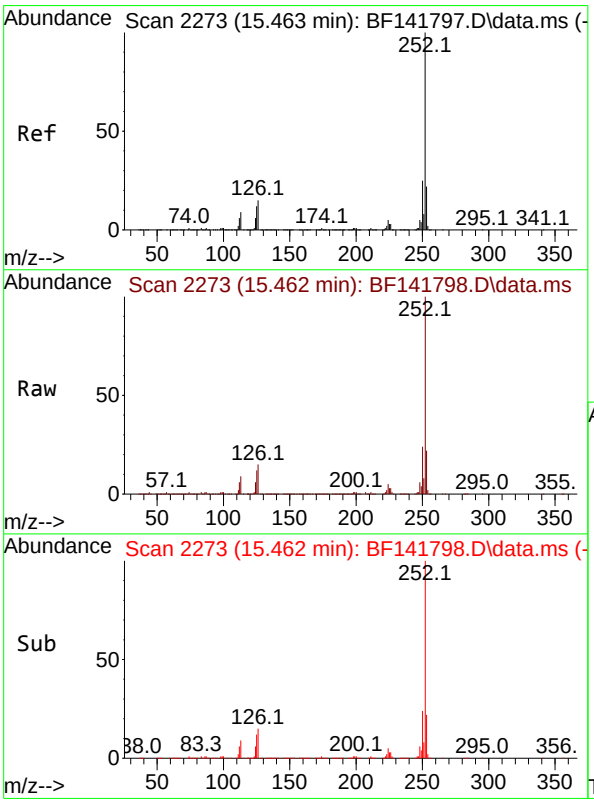
#89
Benzo(k)fluoranthene
Concen: 50.326 ng
RT: 15.121 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

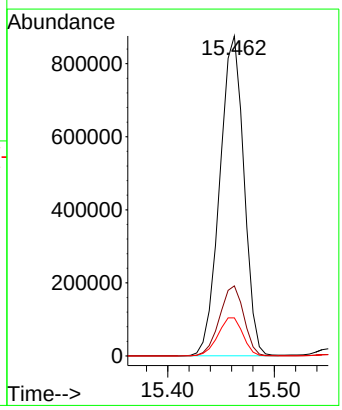


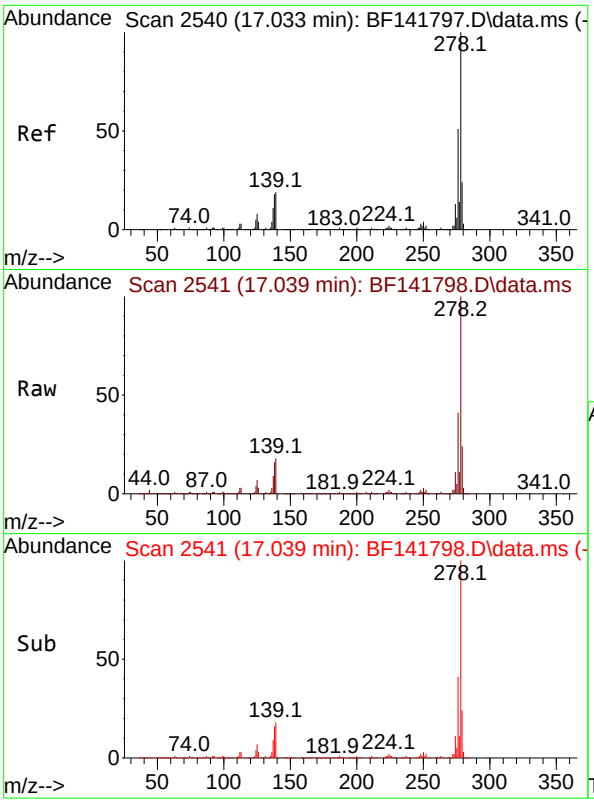


#90
Benzo(a)pyrene
Concen: 48.495 ng
RT: 15.462 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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



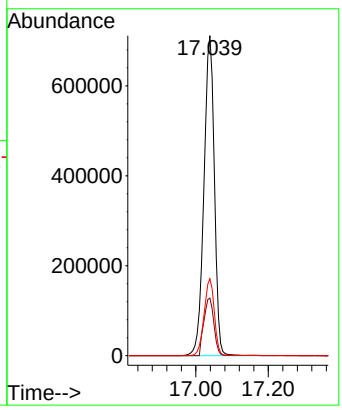


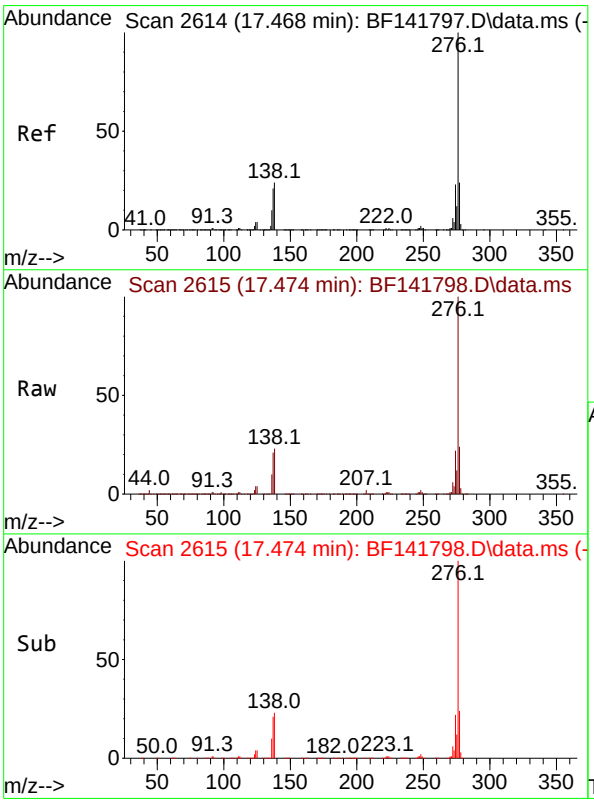
#91
Dibenzo(a,h)anthracene
Concen: 52.616 ng
RT: 17.039 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

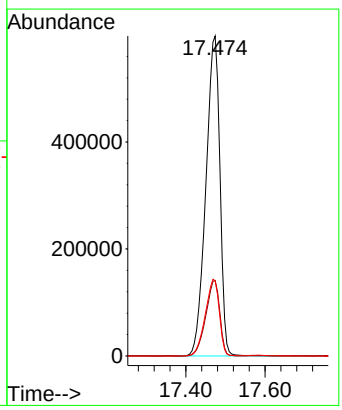




#92
Benzo(g,h,i)perylene
Concen: 53.005 ng
RT: 17.474 min Scan# 2615
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

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

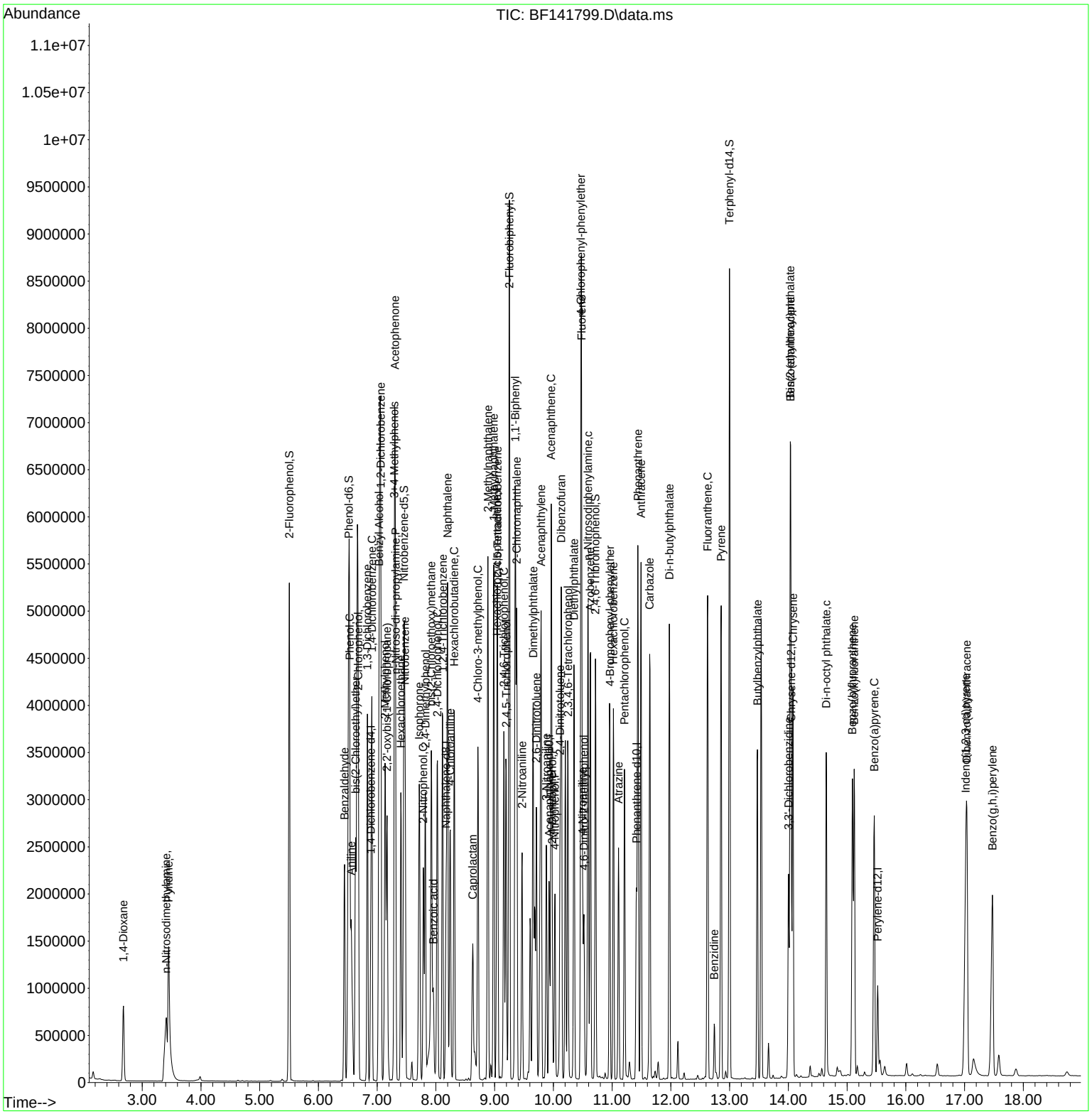
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	703662	61.725	ng		99
46) 1,1'-Biphenyl	9.351	154	2626139	55.911	ng		99
47) 2-Chloronaphthalene	9.375	162	1982513	57.187	ng		99
48) 2-Nitroaniline	9.469	65	590092	60.902	ng		98
49) Acenaphthylene	9.792	152	2954653	56.845	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

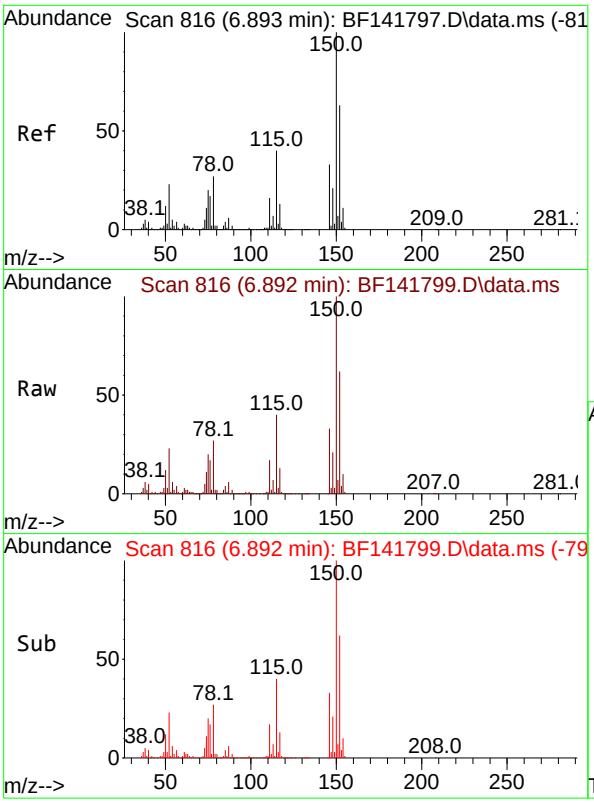
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



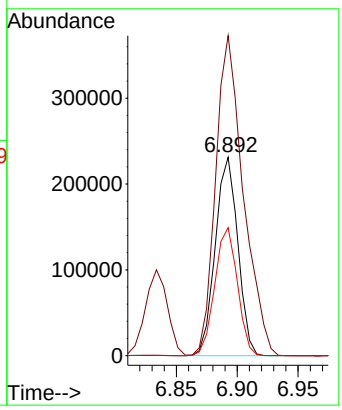


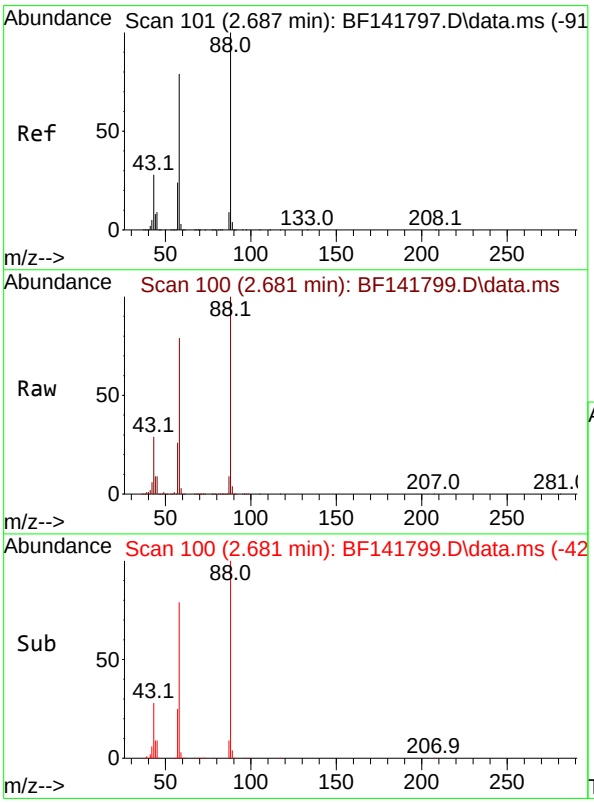
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

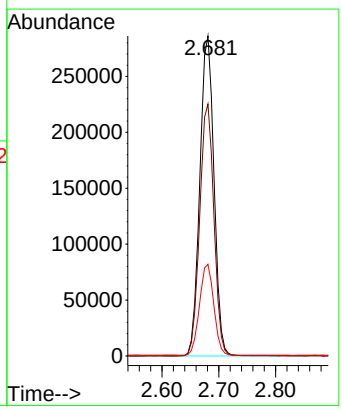


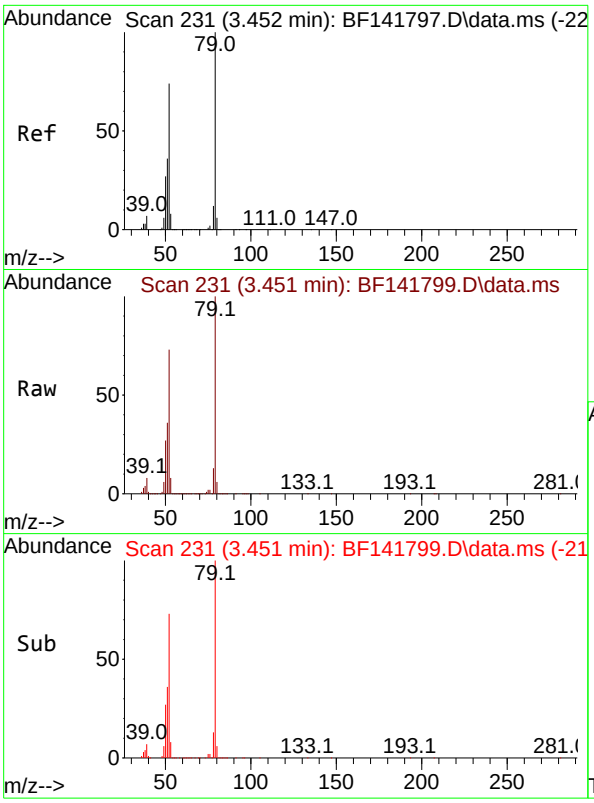


#2
1,4-Dioxane
Concen: 58.455 ng
RT: 2.681 min Scan# 100
Delta R.T. -0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



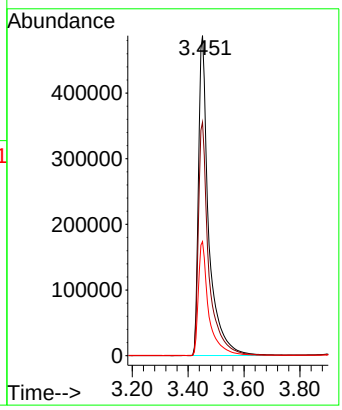


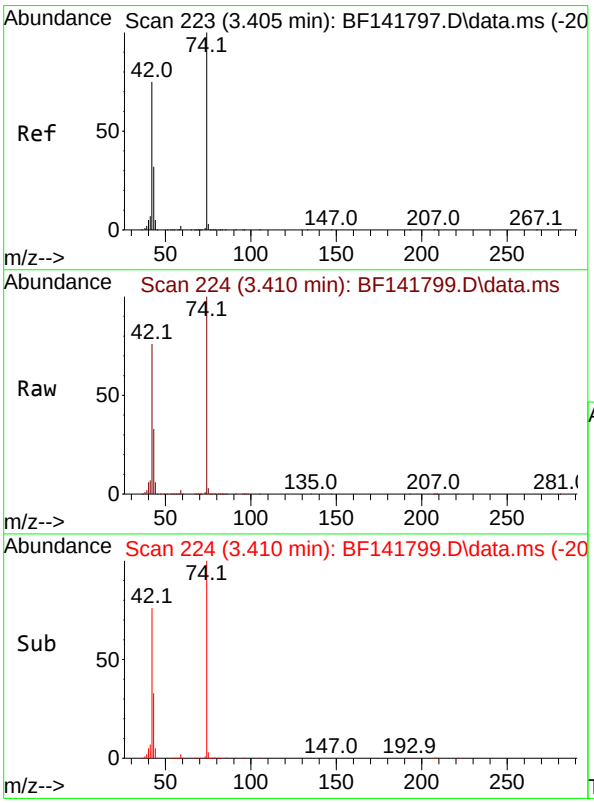
#3
Pyridine
Concen: 58.955 ng
RT: 3.451 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

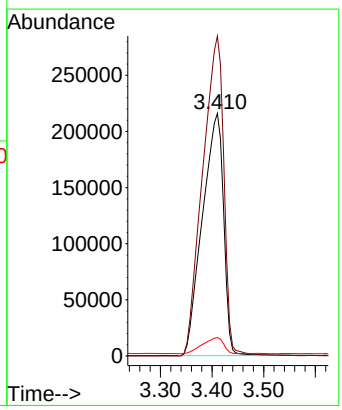


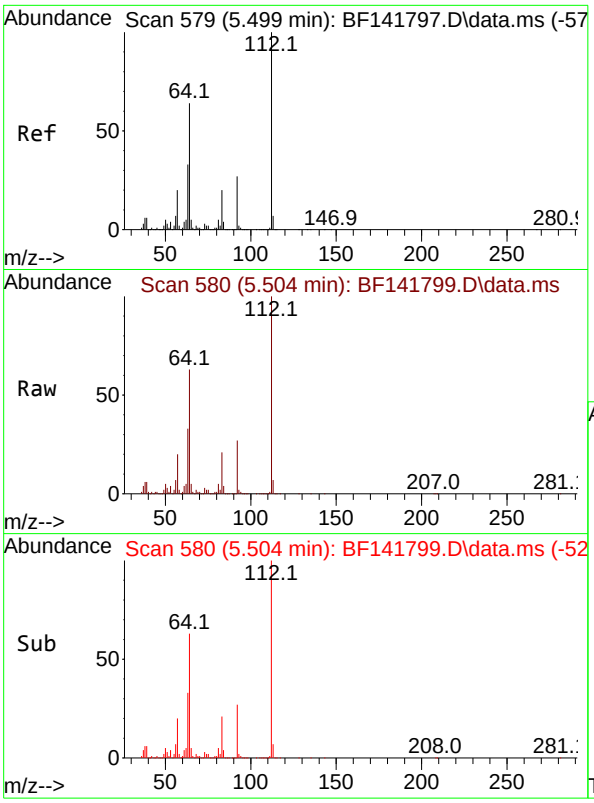


#4
n-Nitrosodimethylamine
Concen: 60.489 ng
RT: 3.410 min Scan# 224
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



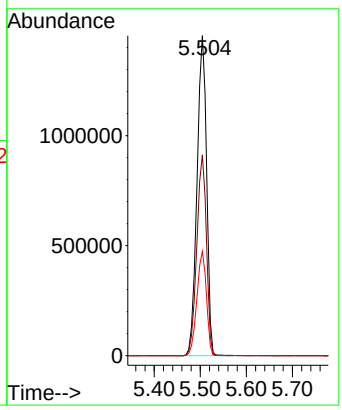


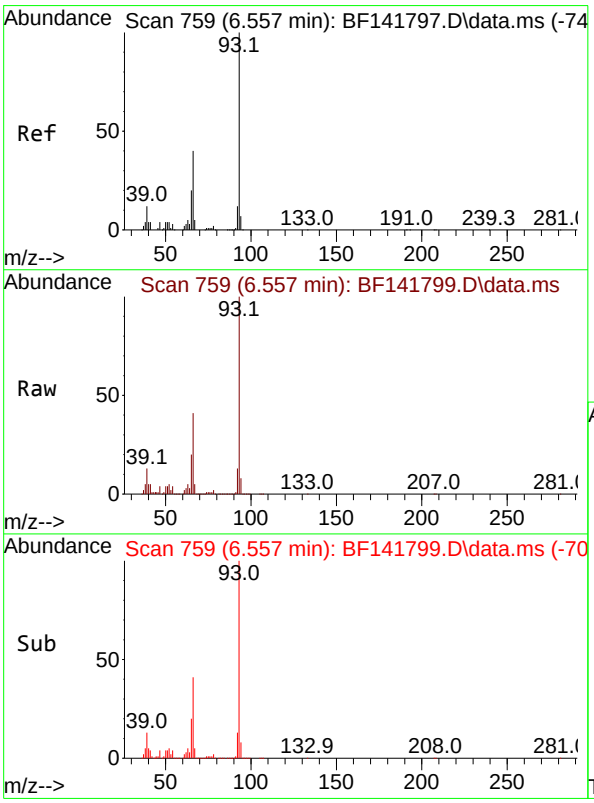
#5
2-Fluorophenol
Concen: 112.657 ng
RT: 5.504 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

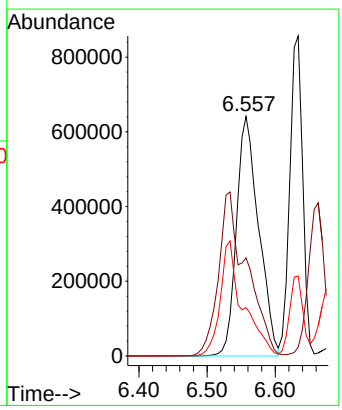


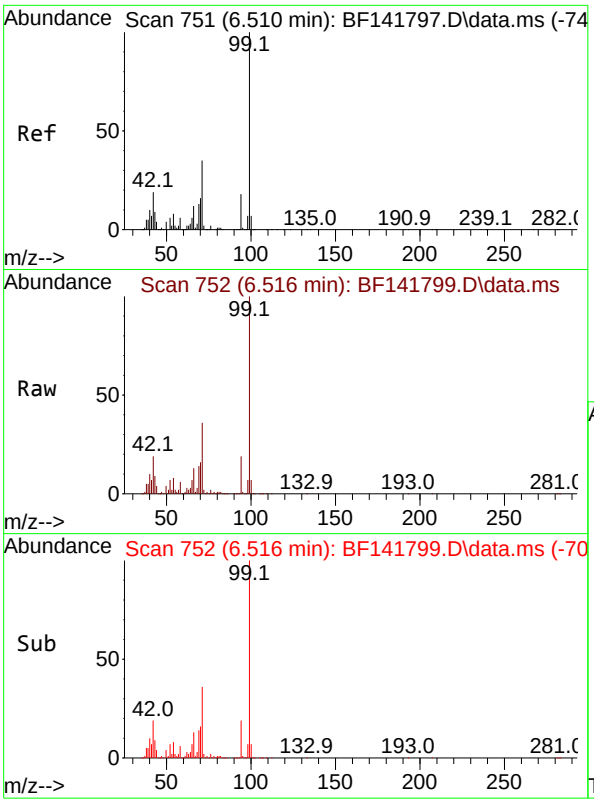


#6
Aniline
Concen: 57.840 ng
RT: 6.557 min Scan# 759
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



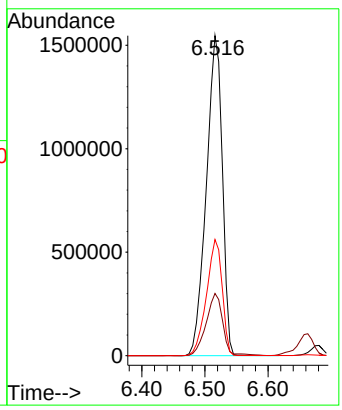


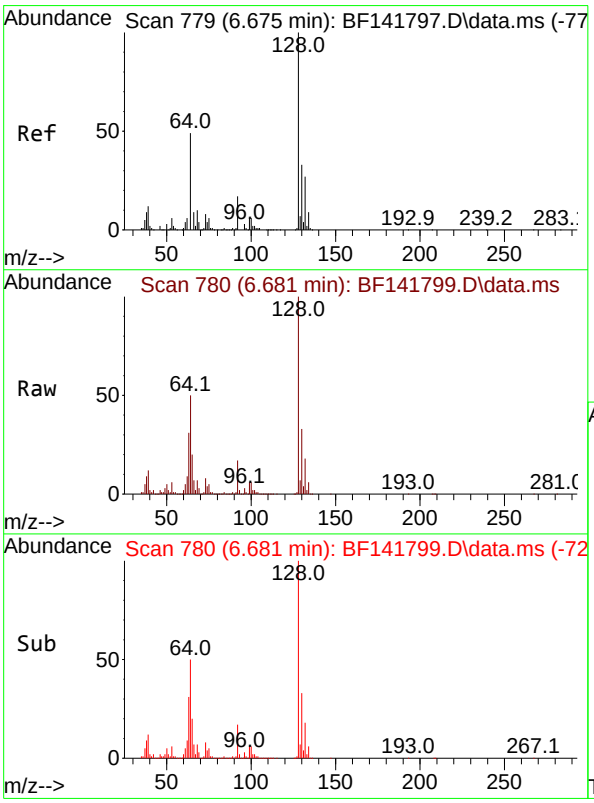
#7
Phenol-d6
Concen: 112.117 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

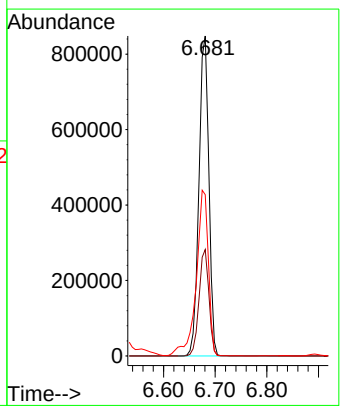


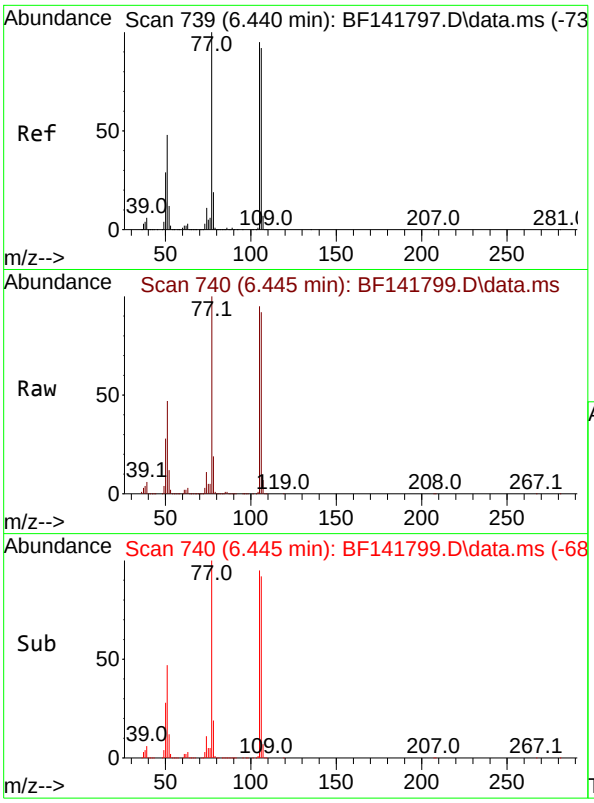


#8
2-Chlorophenol
Concen: 56.061 ng
RT: 6.681 min Scan# 780
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



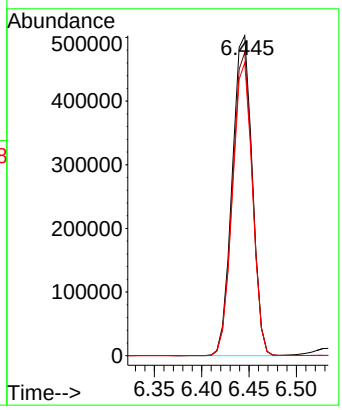


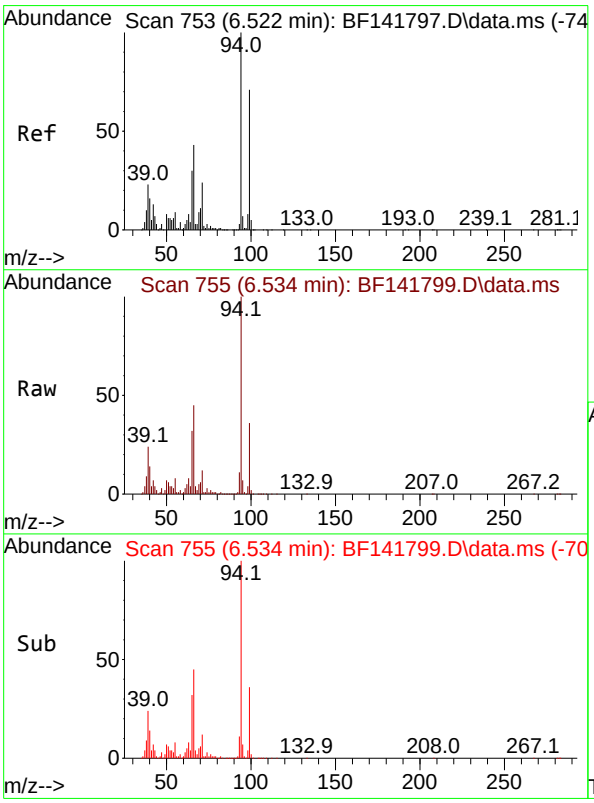
#9
Benzaldehyde
Concen: 52.156 ng
RT: 6.445 min Scan# 74
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

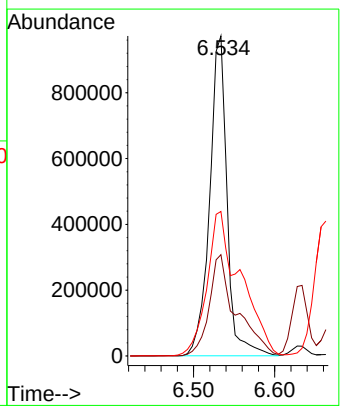


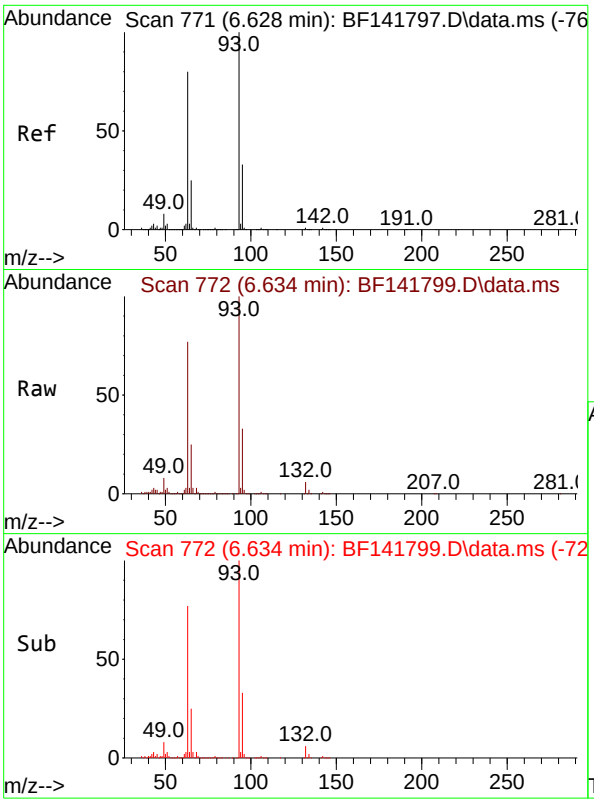


#10
Phenol
Concen: 56.130 ng
RT: 6.534 min Scan# 755
Delta R.T. 0.012 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



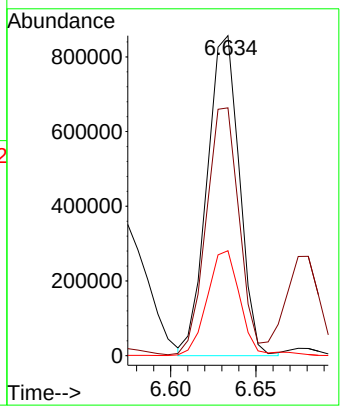


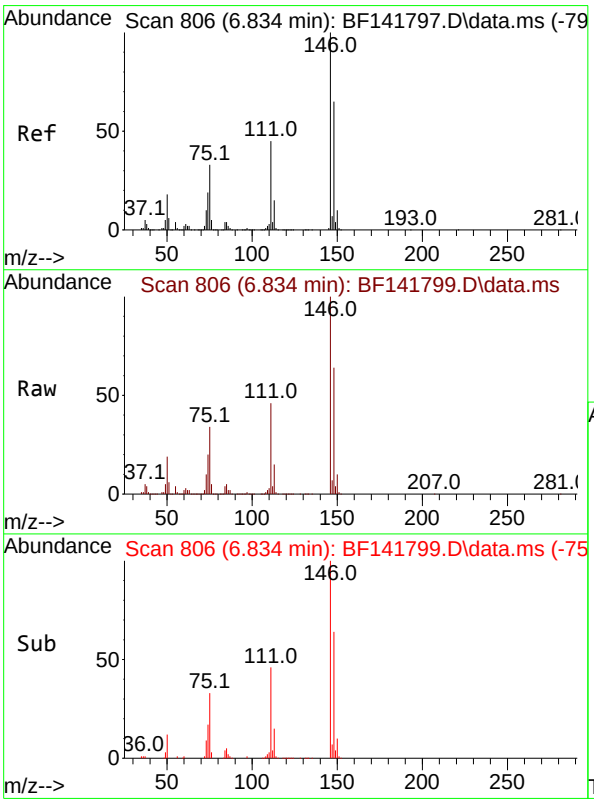
#11
bis(2-Chloroethyl)ether
Concen: 57.184 ng
RT: 6.634 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

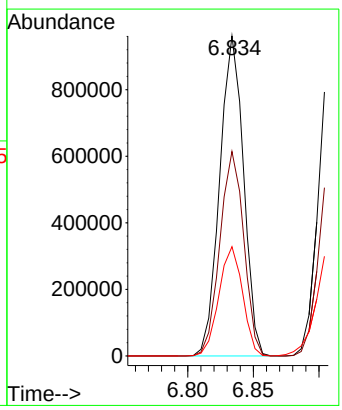


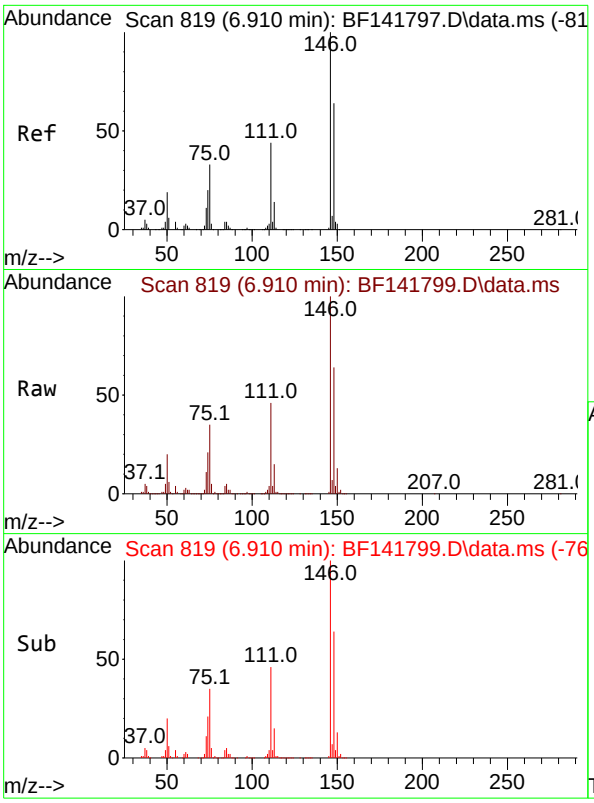


#12
1,3-Dichlorobenzene
Concen: 56.273 ng
RT: 6.834 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



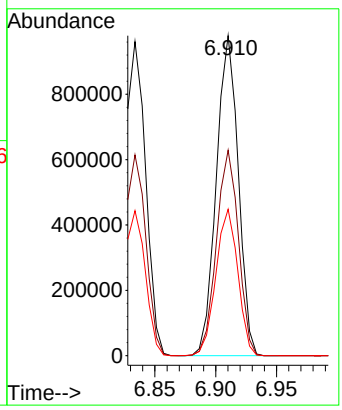


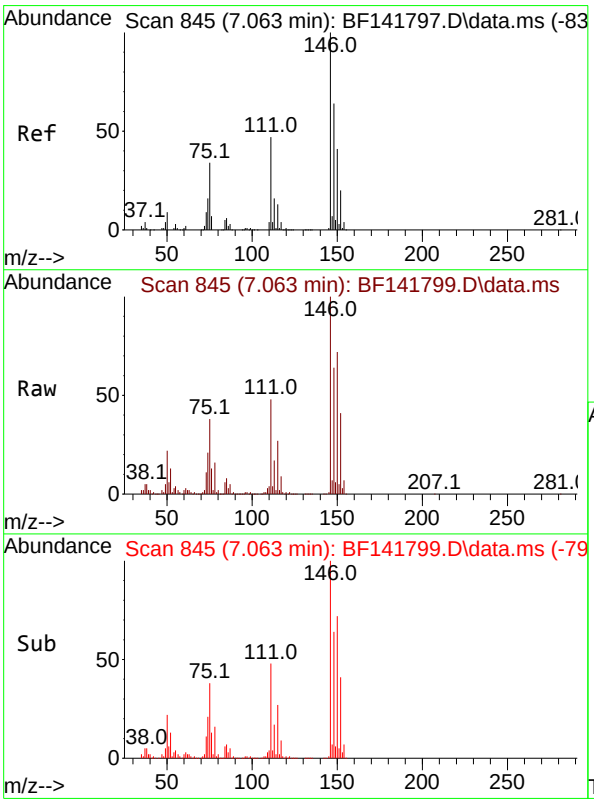
#13
1,4-Dichlorobenzene
Concen: 56.536 ng
RT: 6.910 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

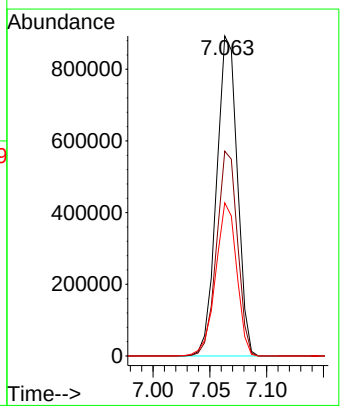


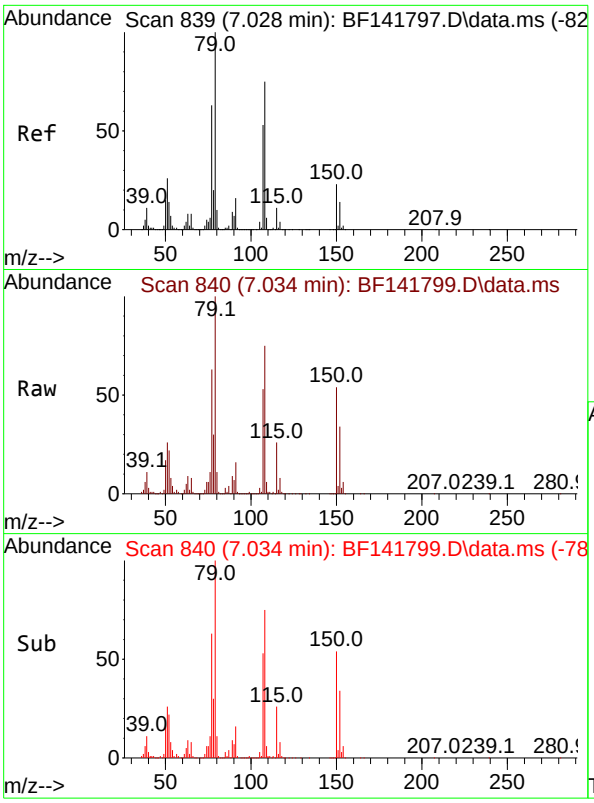


#14
1,2-Dichlorobenzene
Concen: 55.834 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



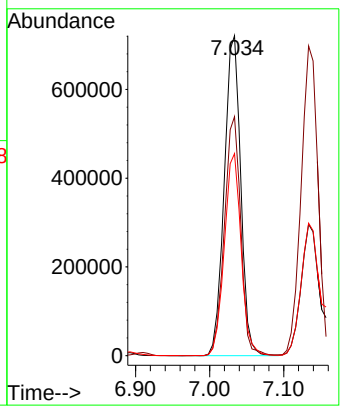


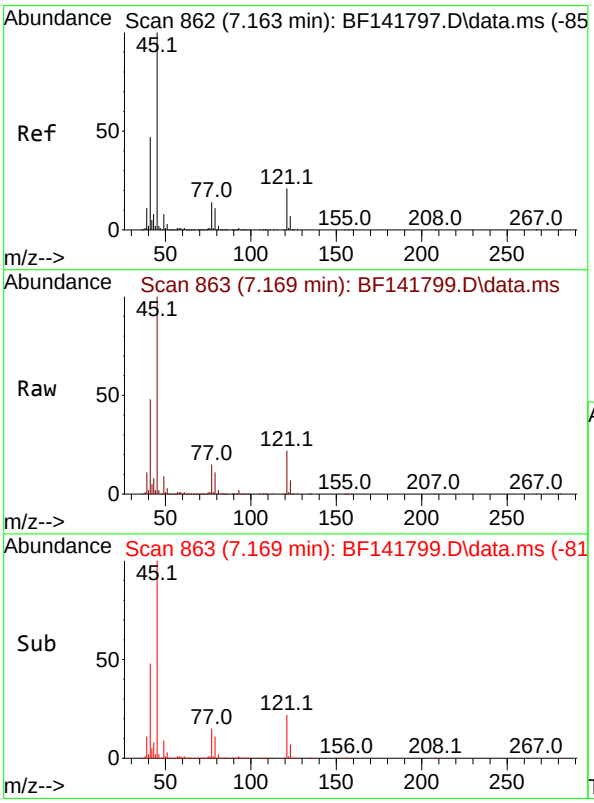
#15
Benzyl Alcohol
Concen: 57.170 ng
RT: 7.034 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

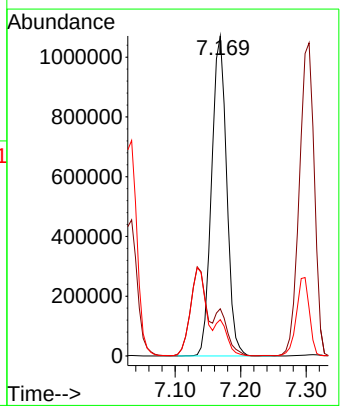


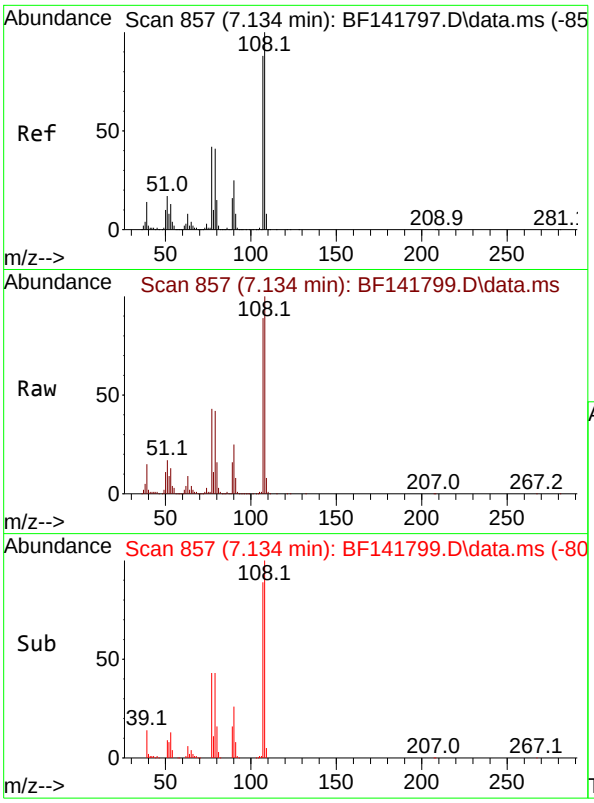


#16
2,2'-oxybis(1-Chloropropane)
Concen: 56.838 ng
RT: 7.169 min Scan# 863
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



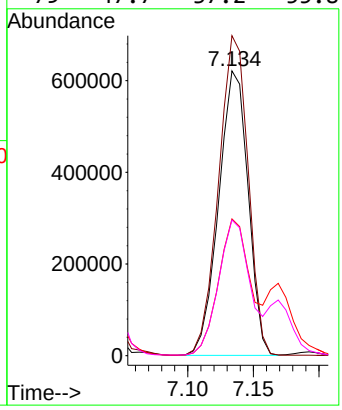


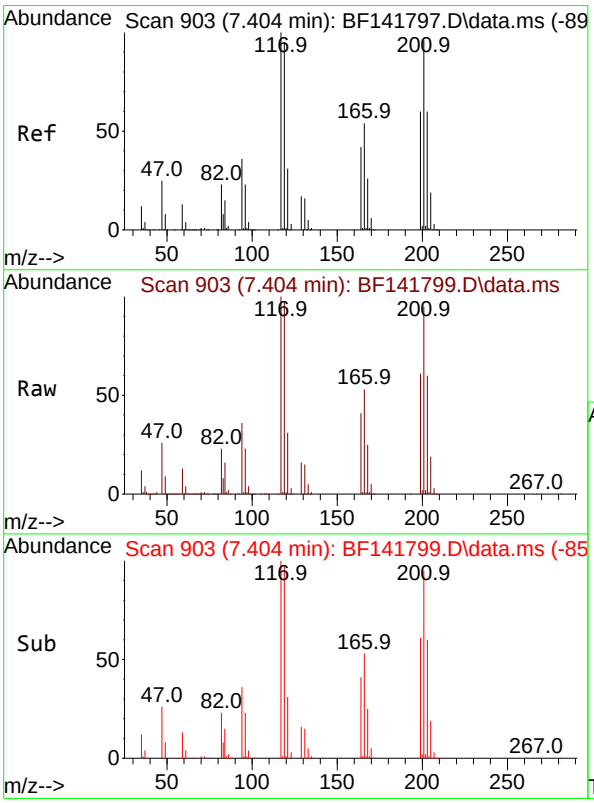
#17
2-Methylphenol
Concen: 58.177 ng
RT: 7.134 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

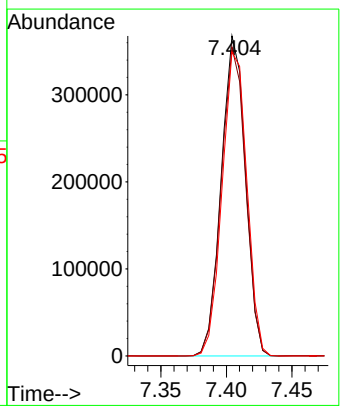


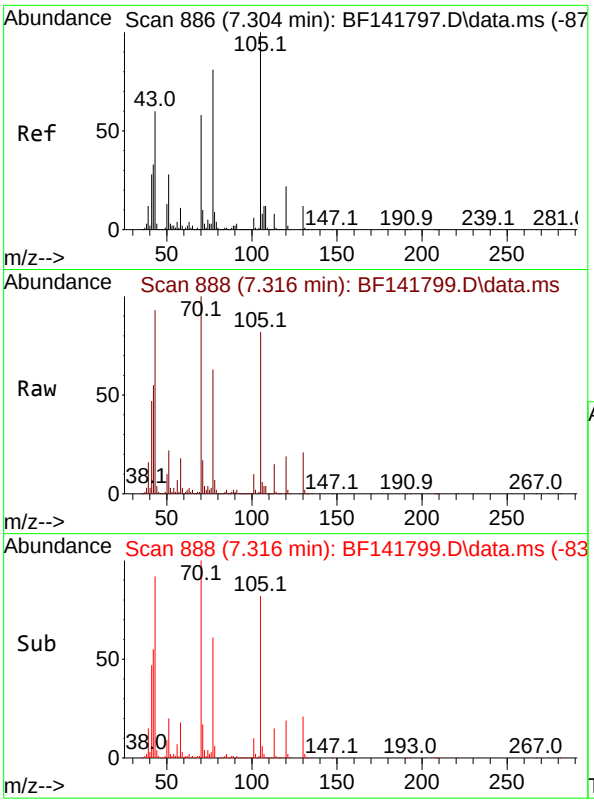


#18
Hexachloroethane
Concen: 58.163 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



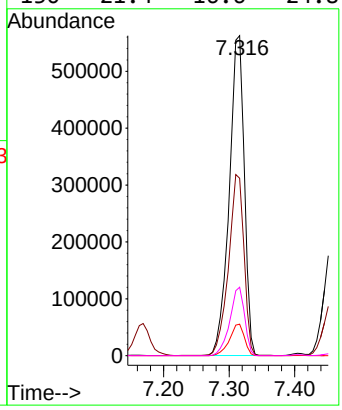


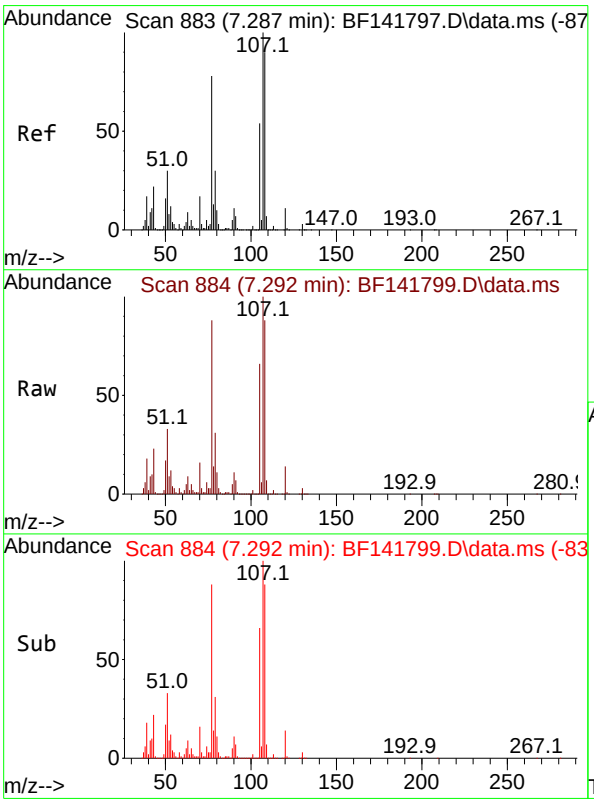
#19
n-Nitroso-di-n-propylamine
Concen: 56.387 ng
RT: 7.316 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

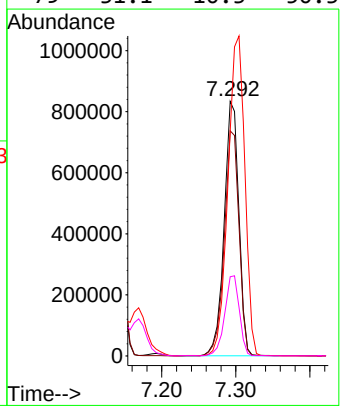


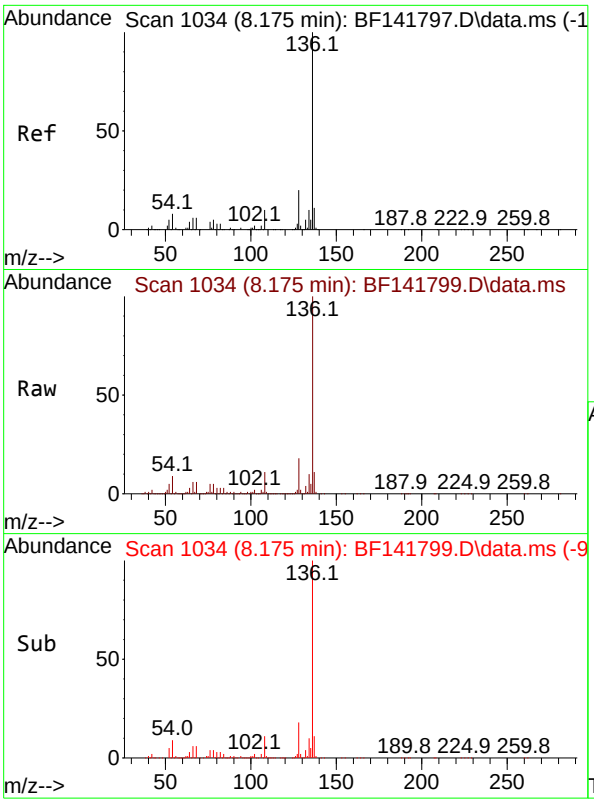


#20
3+4-Methylphenols
Concen: 55.188 ng
RT: 7.292 min Scan# 884
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



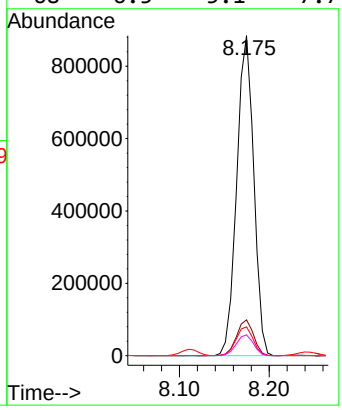


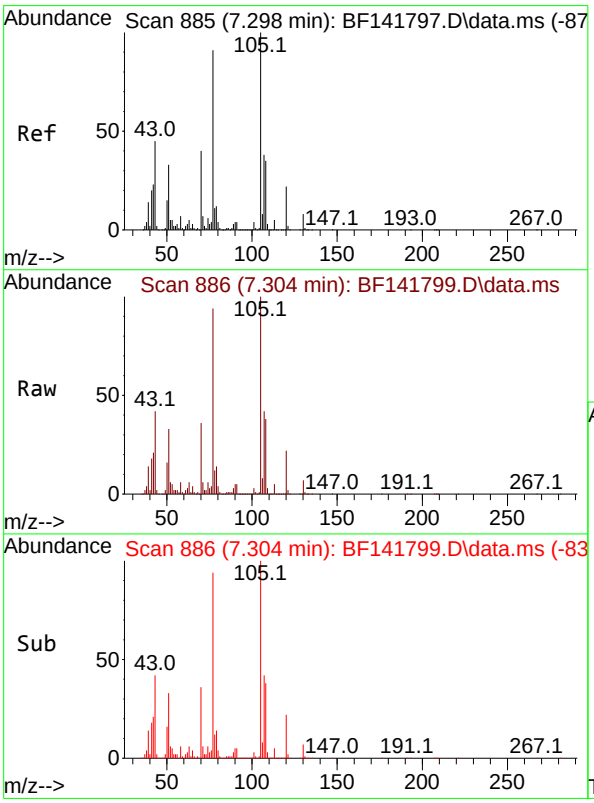
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

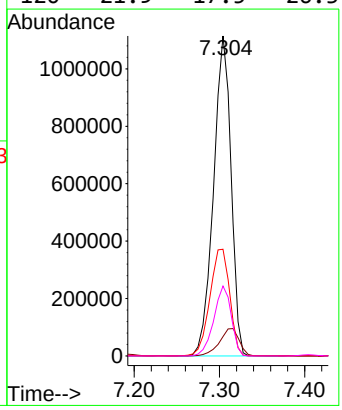


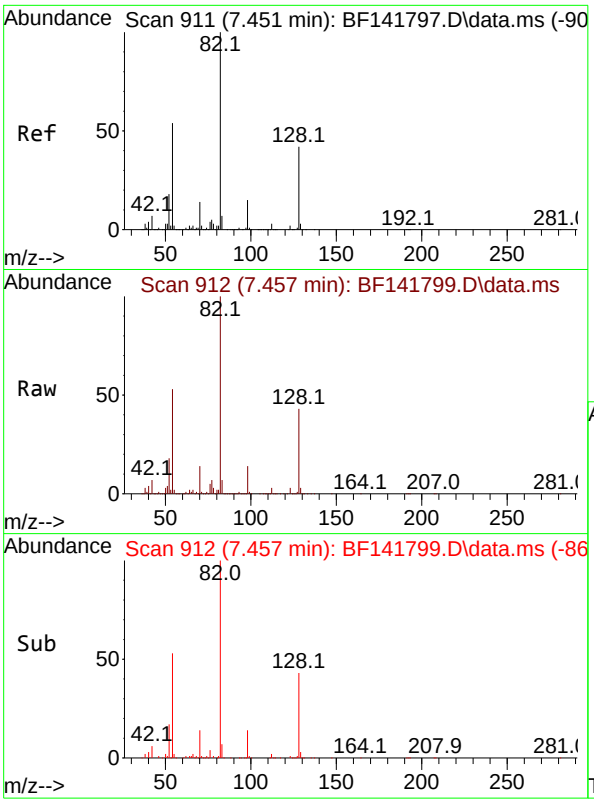


#22
Acetophenone
Concen: 56.070 ng
RT: 7.304 min Scan# 886
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



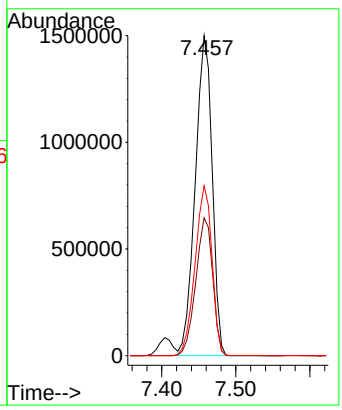


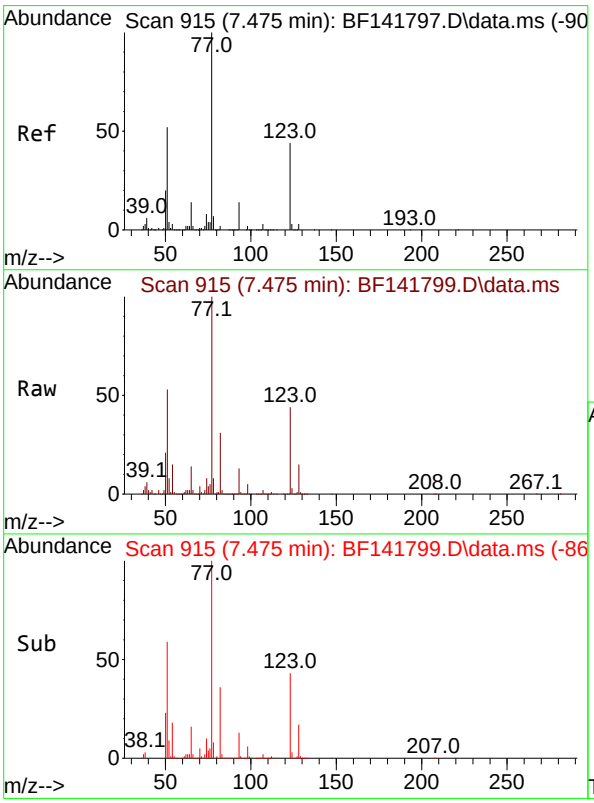
#23
Nitrobenzene-d5
Concen: 130.503 ng
RT: 7.457 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

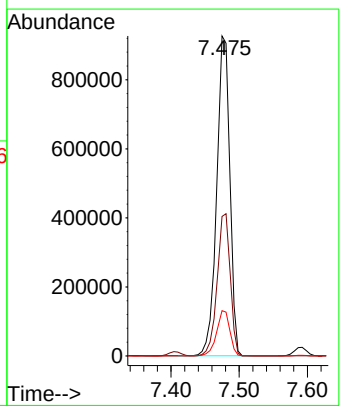


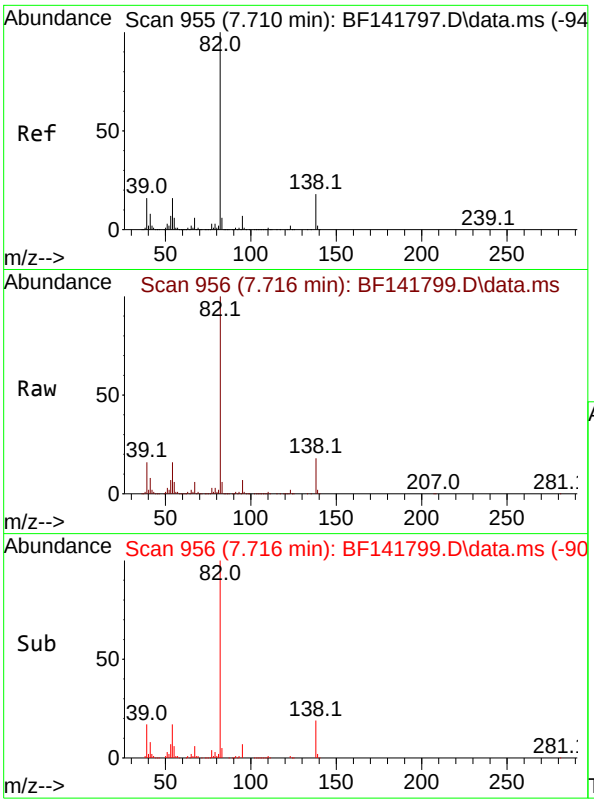


#24
Nitrobenzene
Concen: 63.867 ng
RT: 7.475 min Scan# 915
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



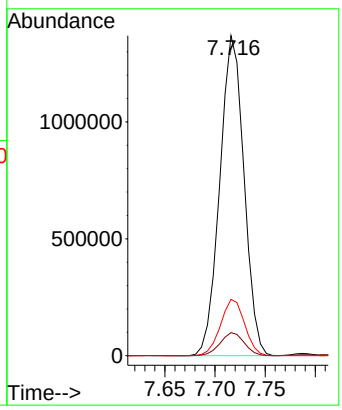


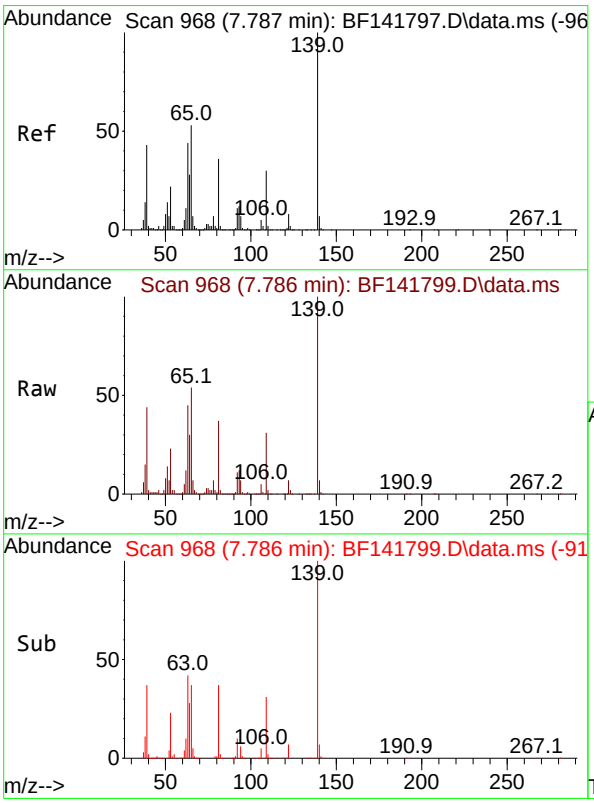
#25
Isophorone
Concen: 58.786 ng
RT: 7.716 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

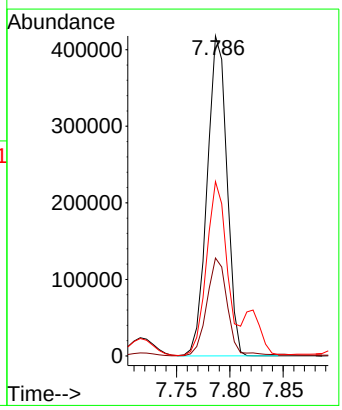


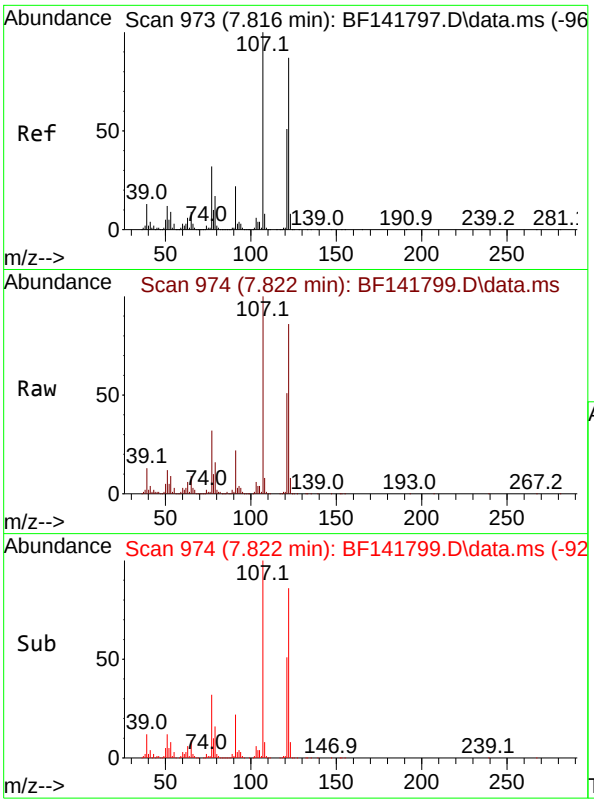


#26
2-Nitrophenol
Concen: 60.712 ng
RT: 7.786 min Scan# 968
Delta R.T. -0.001 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



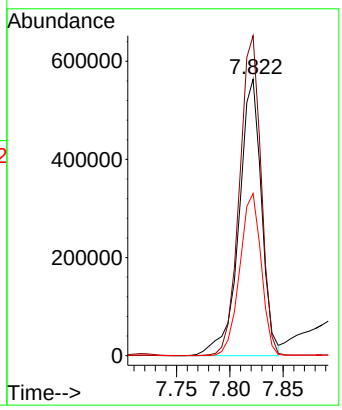


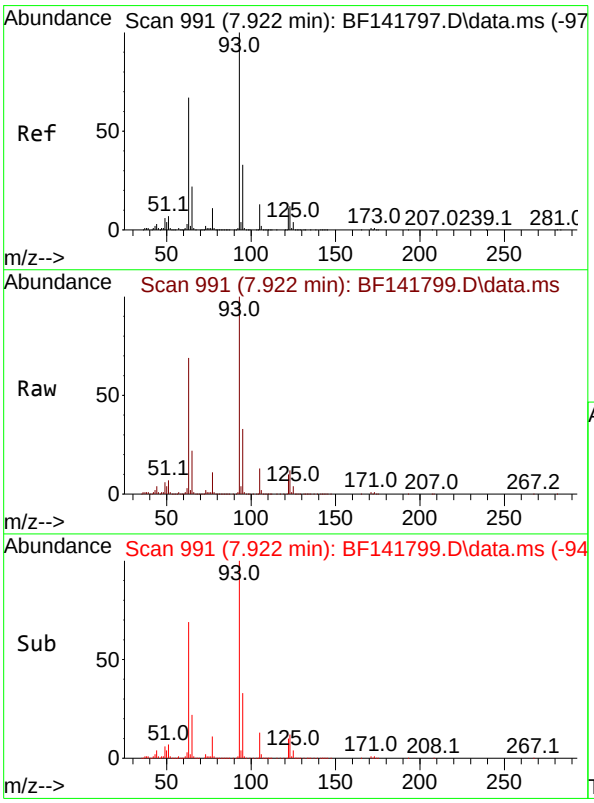
#27
2,4-Dimethylphenol
Concen: 57.912 ng
RT: 7.822 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

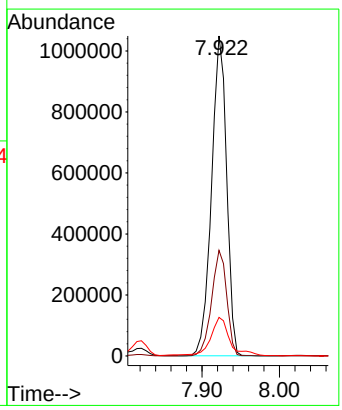


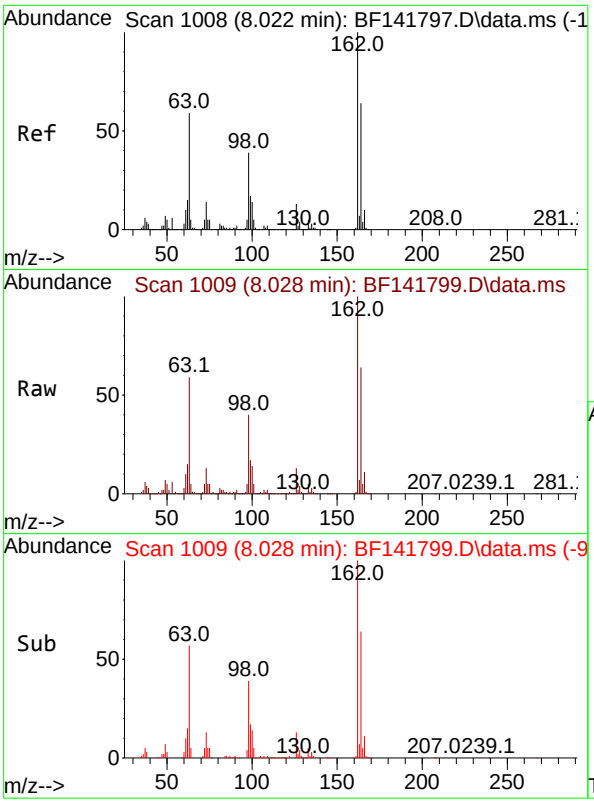


#28
bis(2-Chloroethoxy)methane
Concen: 57.094 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



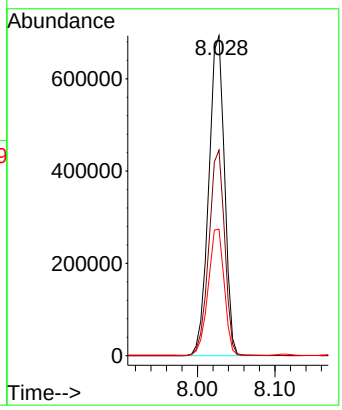


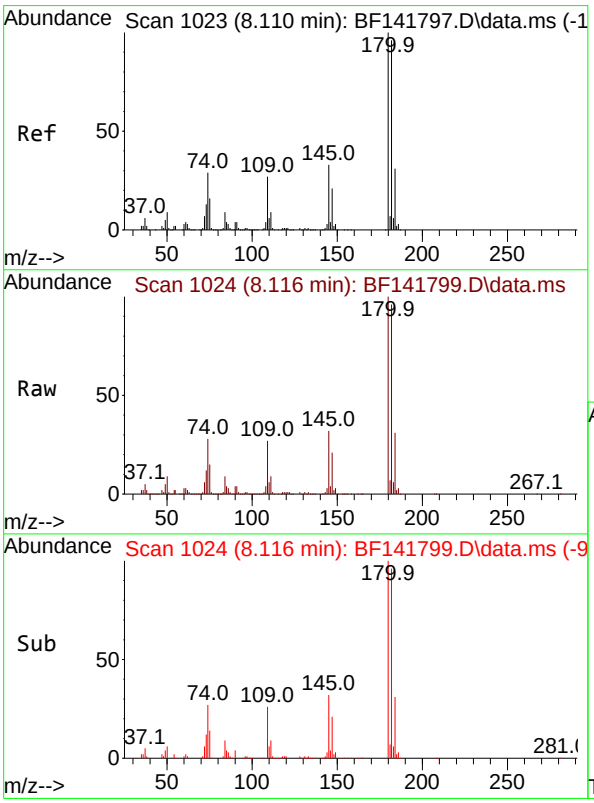
#29
2,4-Dichlorophenol
Concen: 59.211 ng
RT: 8.028 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

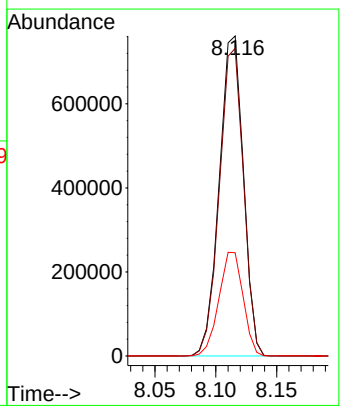


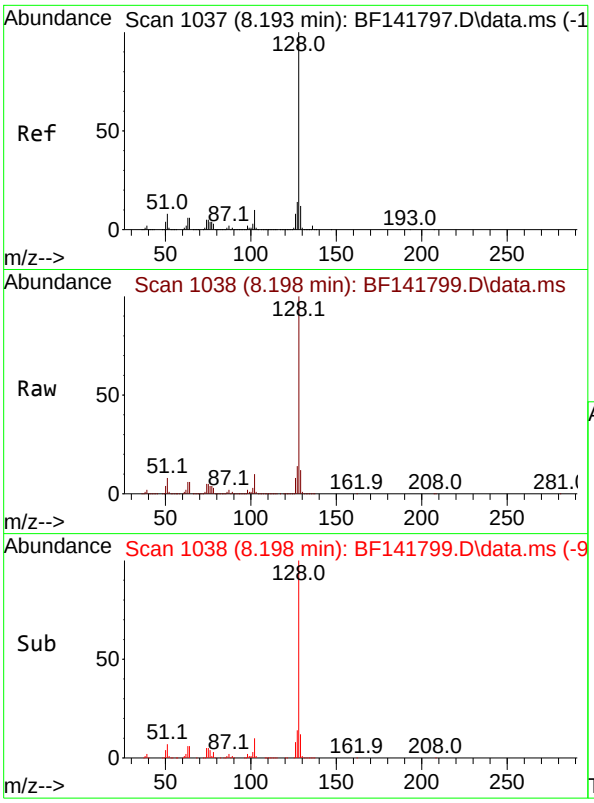


#30
1,2,4-Trichlorobenzene
Concen: 57.885 ng
RT: 8.116 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



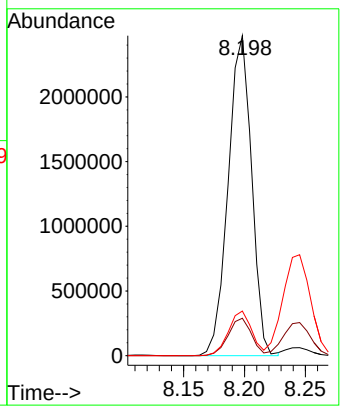


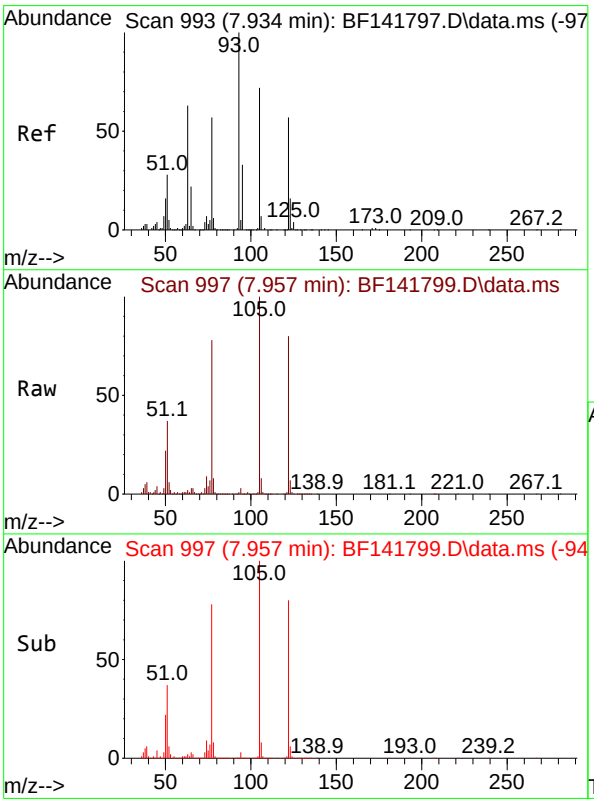
#31
Naphthalene
Concen: 55.427 ng
RT: 8.198 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

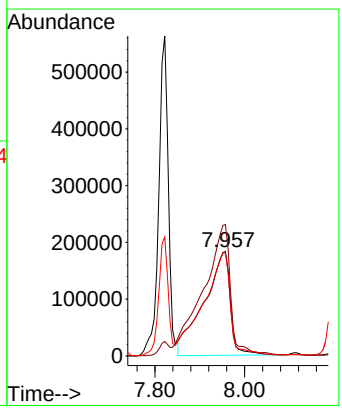


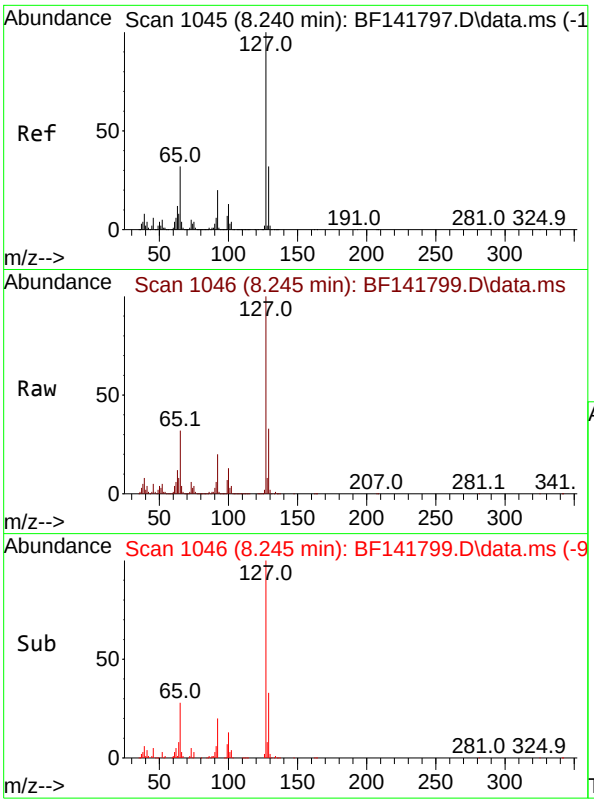


#32
Benzoic acid
Concen: 60.158 ng
RT: 7.957 min Scan# 997
Delta R.T. 0.023 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



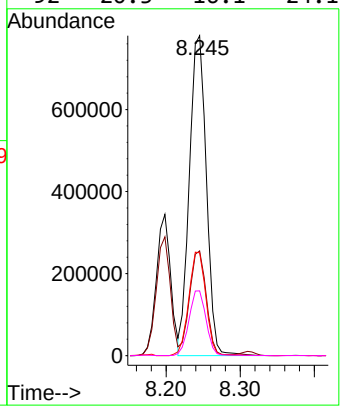


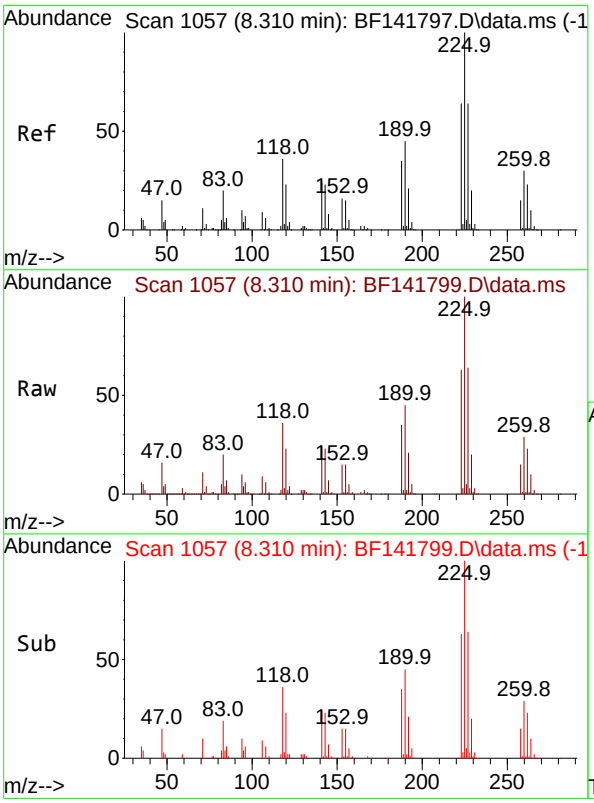
#33
4-Chloroaniline
Concen: 56.723 ng
RT: 8.245 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

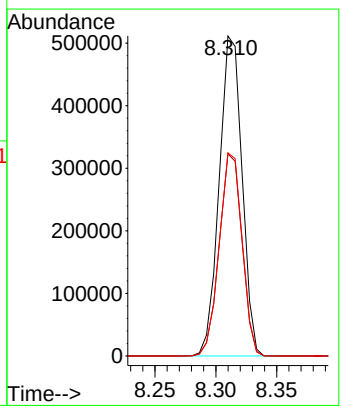


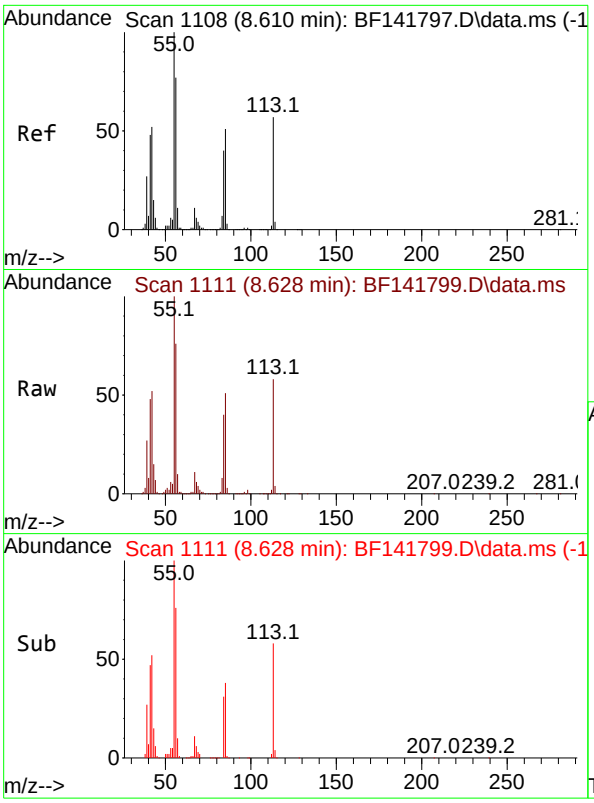


#34
Hexachlorobutadiene
Concen: 59.082 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



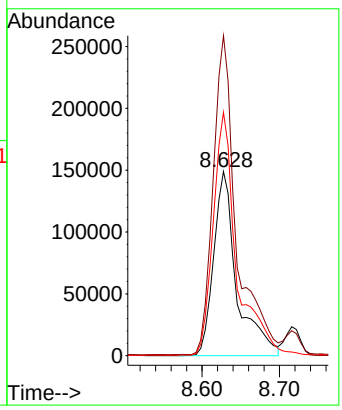


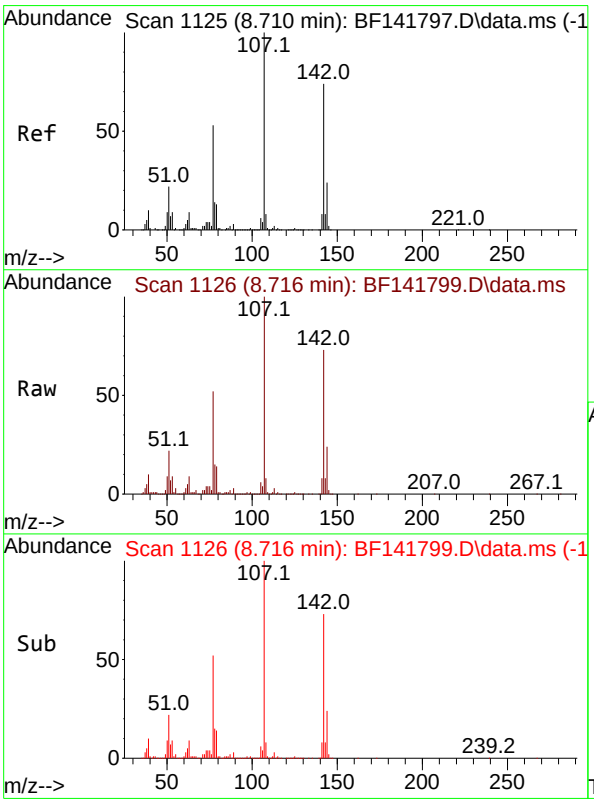
#35
Caprolactam
Concen: 60.671 ng
RT: 8.628 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

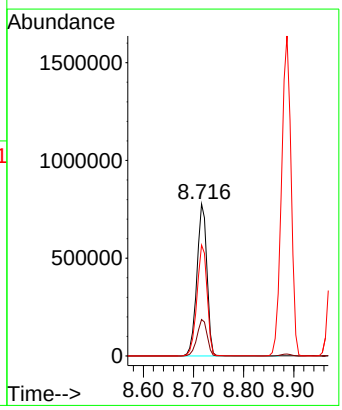


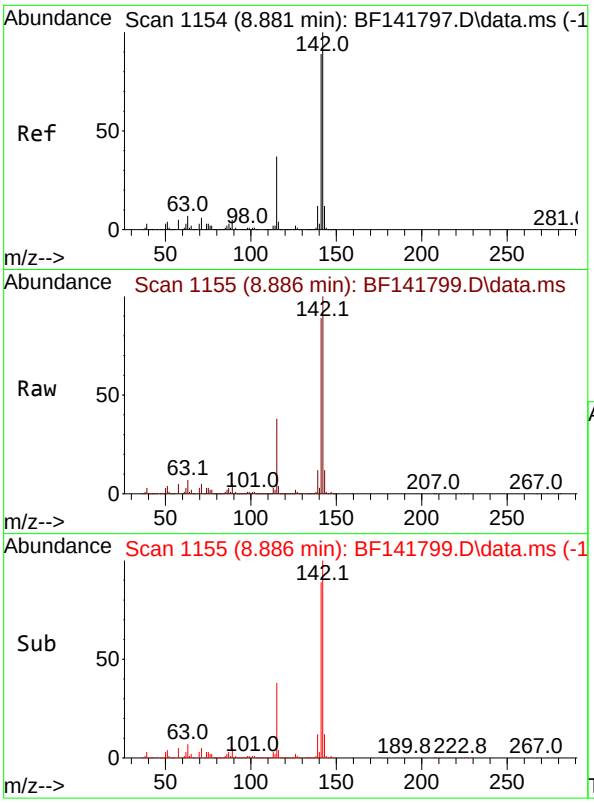


#36
4-Chloro-3-methylphenol
Concen: 58.783 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



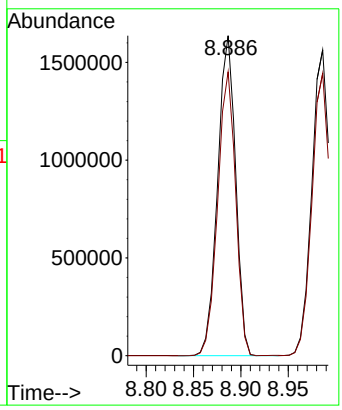


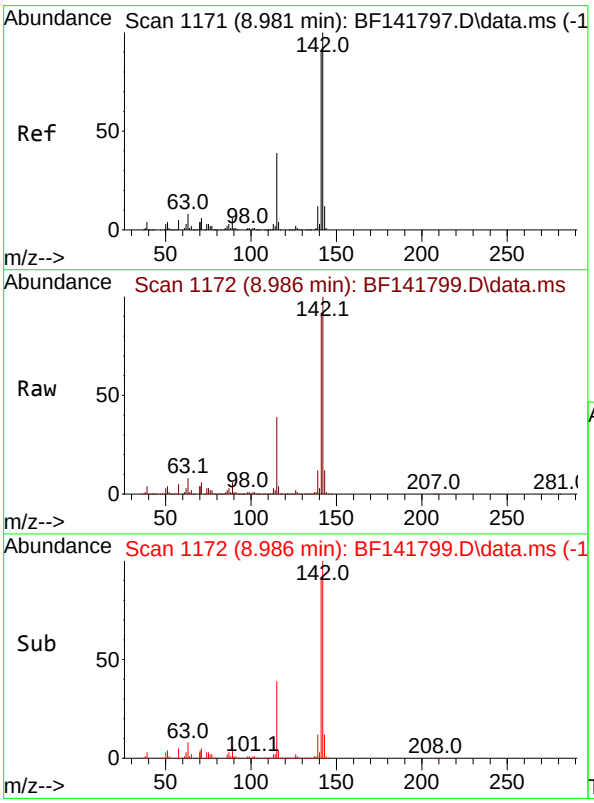
#37
2-Methylnaphthalene
Concen: 55.115 ng
RT: 8.886 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 2160902

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.1	106.7

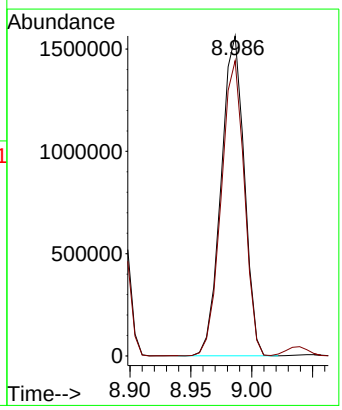


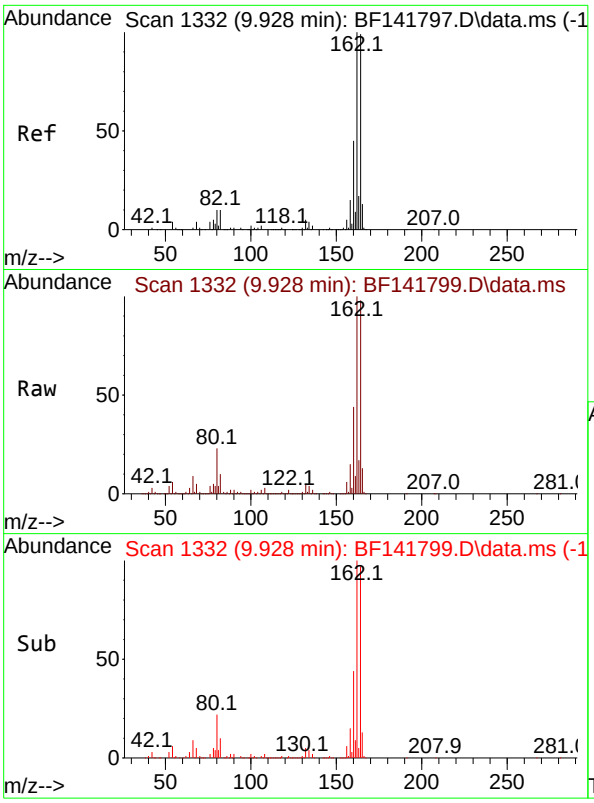


#38
1-Methylnaphthalene
Concen: 55.054 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:142 Resp: 2071154

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.1	109.7



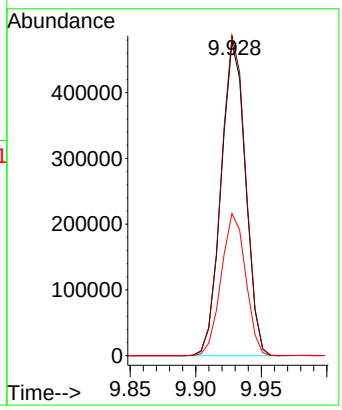


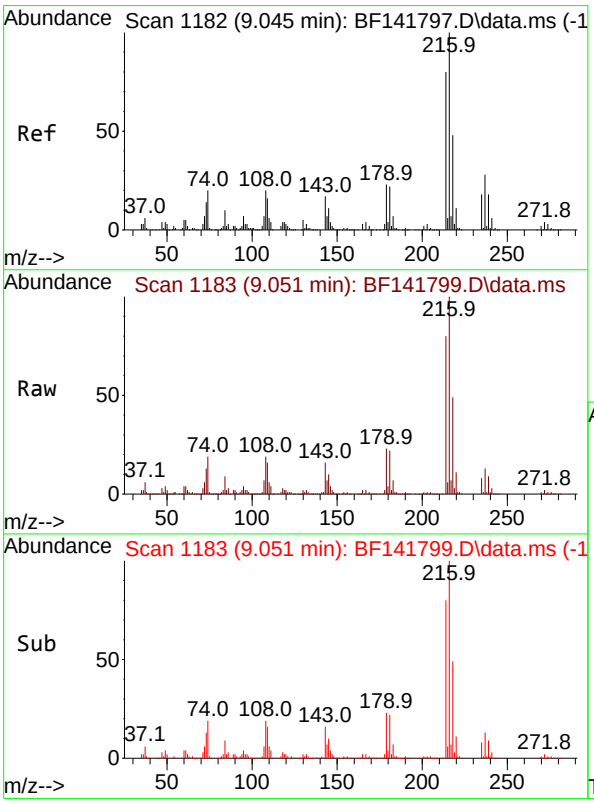
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

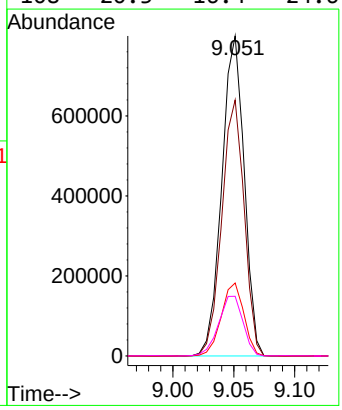


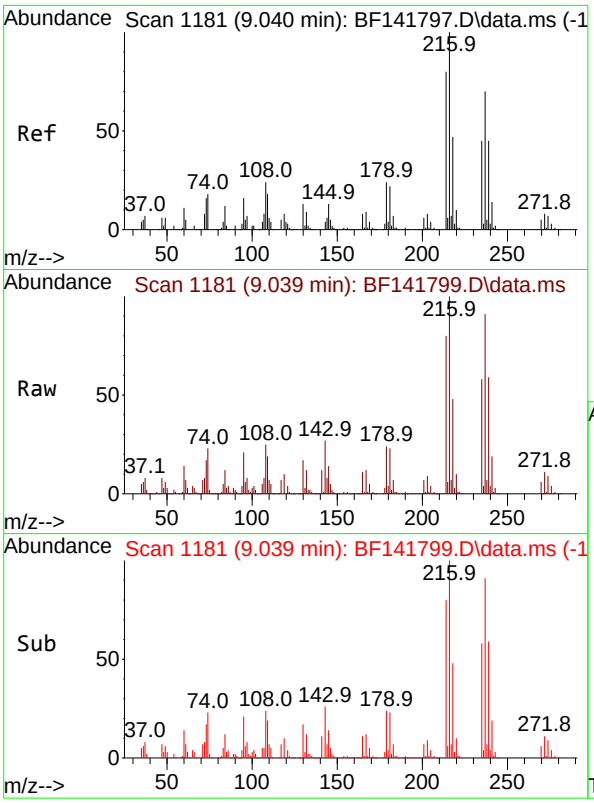


#40
1,2,4,5-Tetrachlorobenzene
Concen: 57.477 ng
RT: 9.051 min Scan# 1183
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



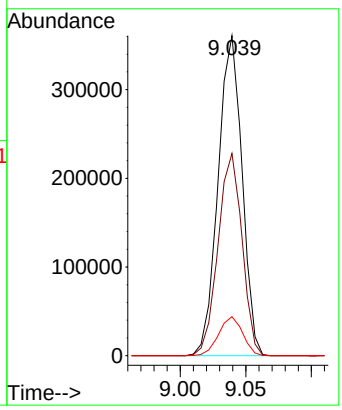


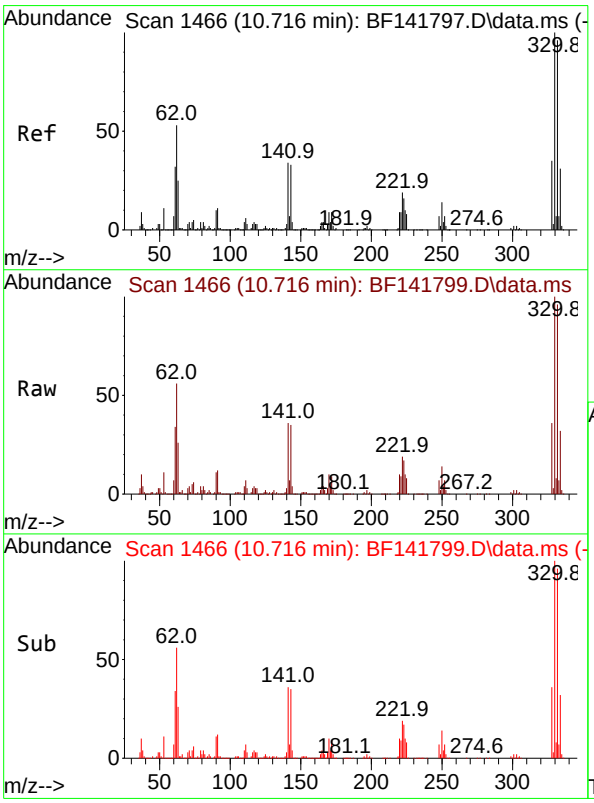
#41
Hexachlorocyclopentadiene
Concen: 61.586 ng
RT: 9.039 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

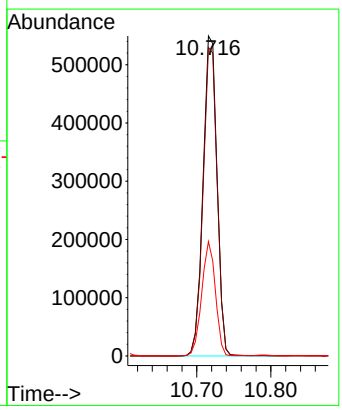


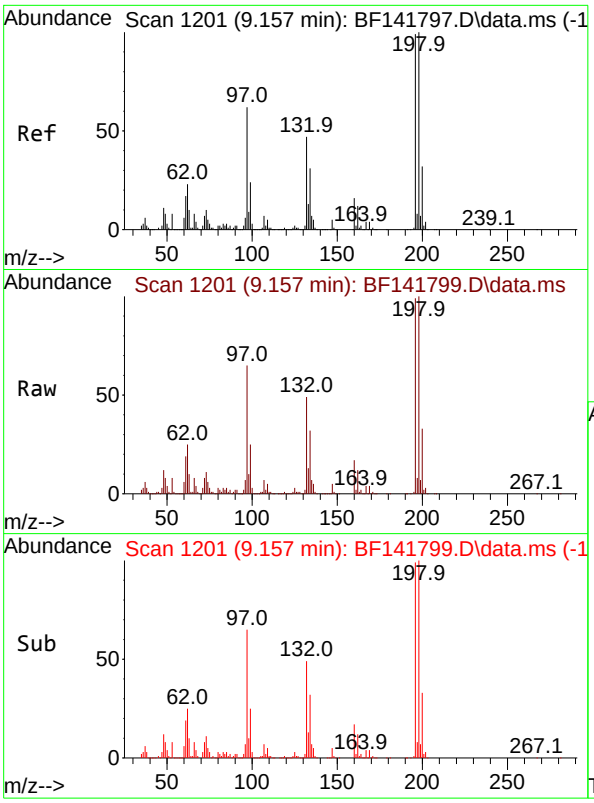


#42
2,4,6-Tribromophenol
Concen: 125.191 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



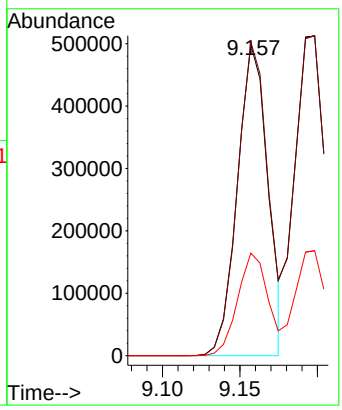


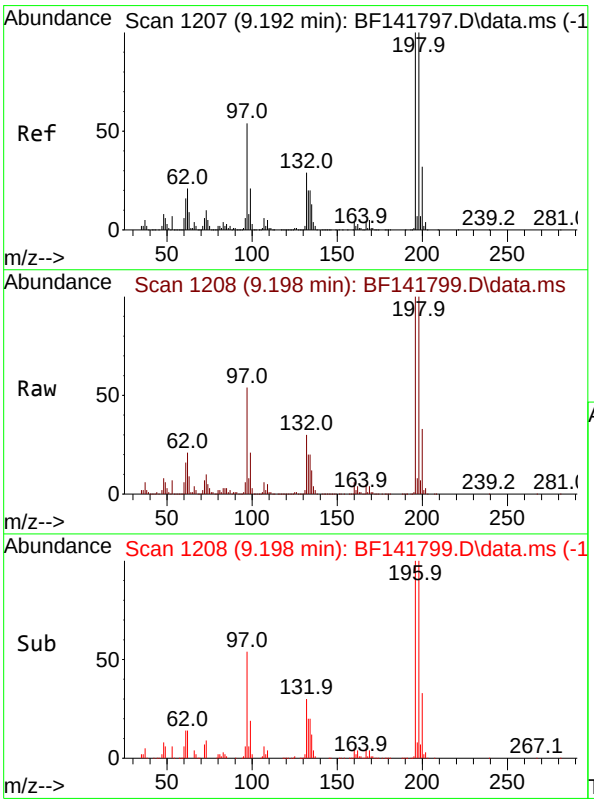
#43
2,4,6-Trichlorophenol
Concen: 59.220 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

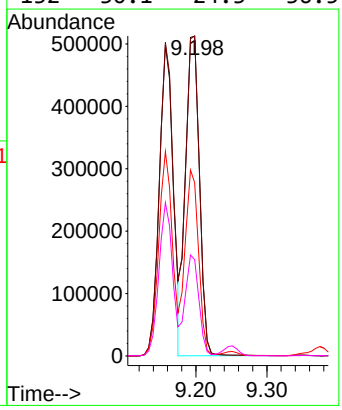


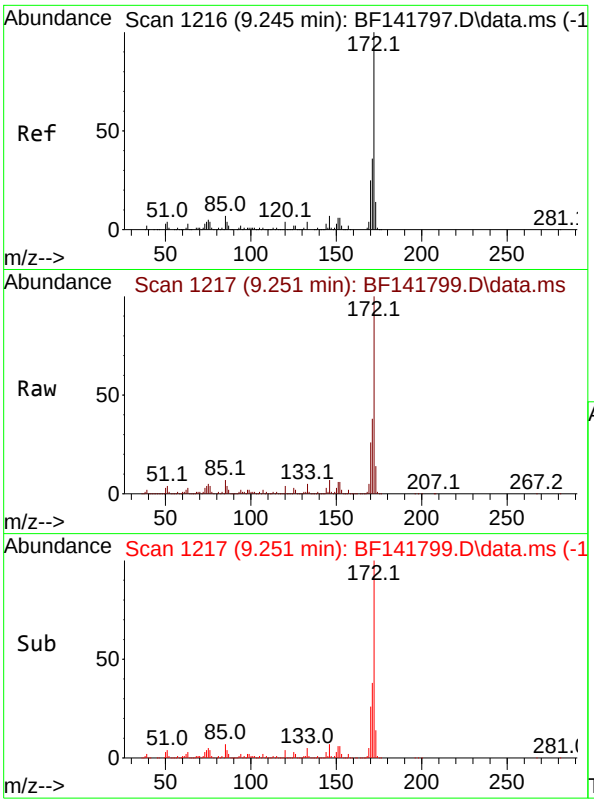


#44
2,4,5-Trichlorophenol
Concen: 61.725 ng
RT: 9.198 min Scan# 1208
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



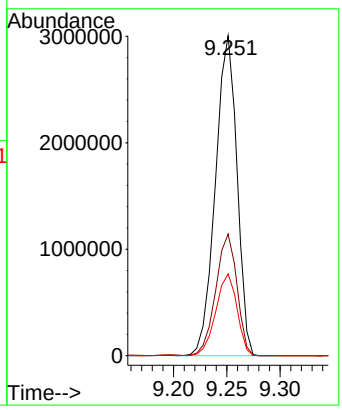


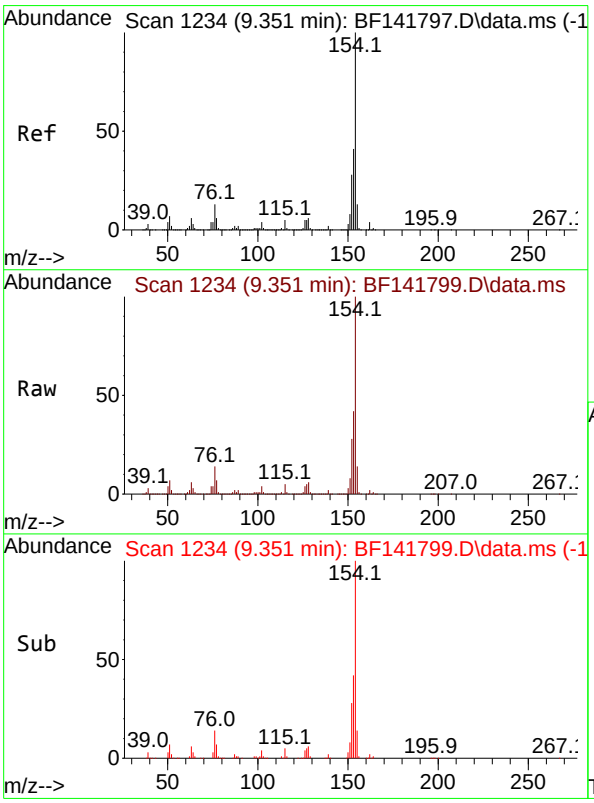
#45
2-Fluorobiphenyl
Concen: 109.742 ng
RT: 9.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

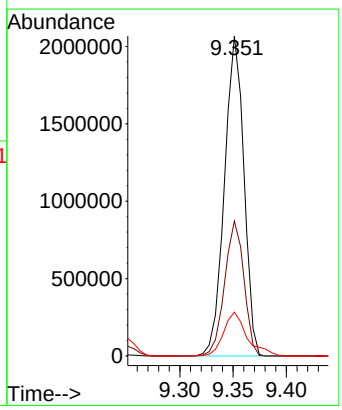


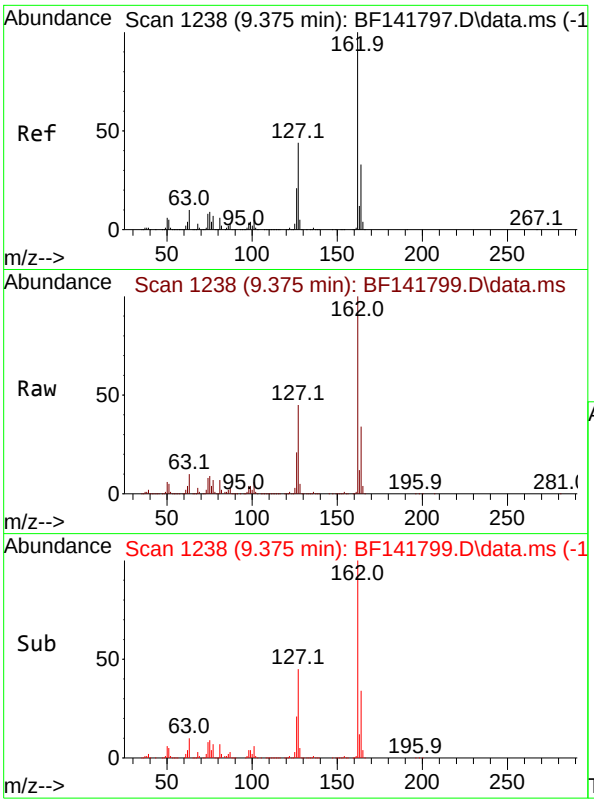


#46
1,1'-Biphenyl
Concen: 55.911 ng
RT: 9.351 min Scan# 1234
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



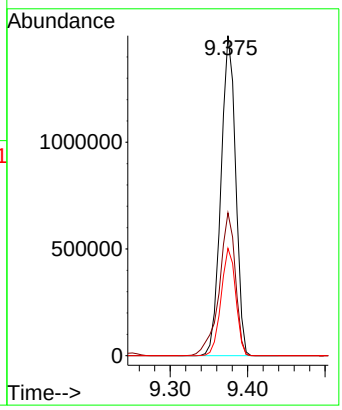


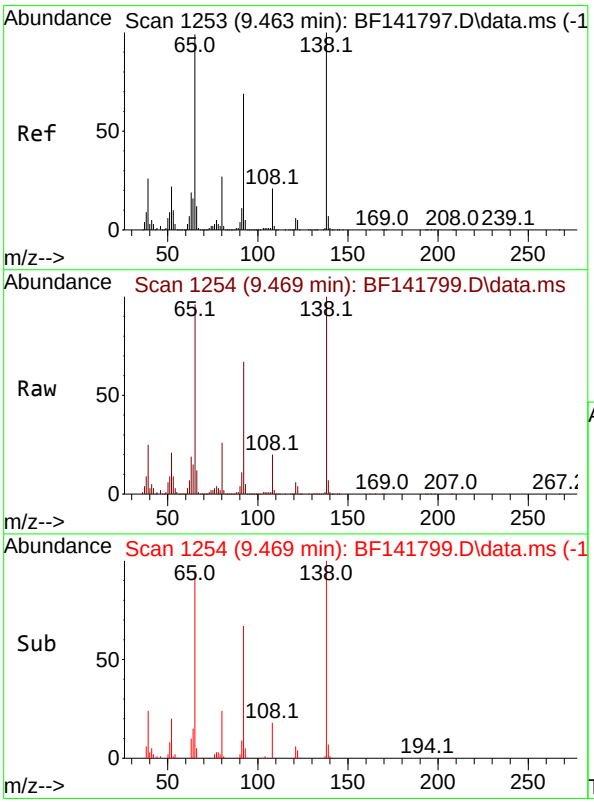
#47
2-Chloronaphthalene
Concen: 57.187 ng
RT: 9.375 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

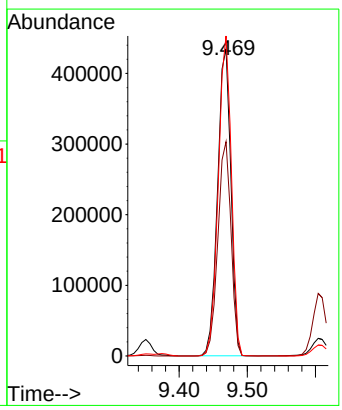


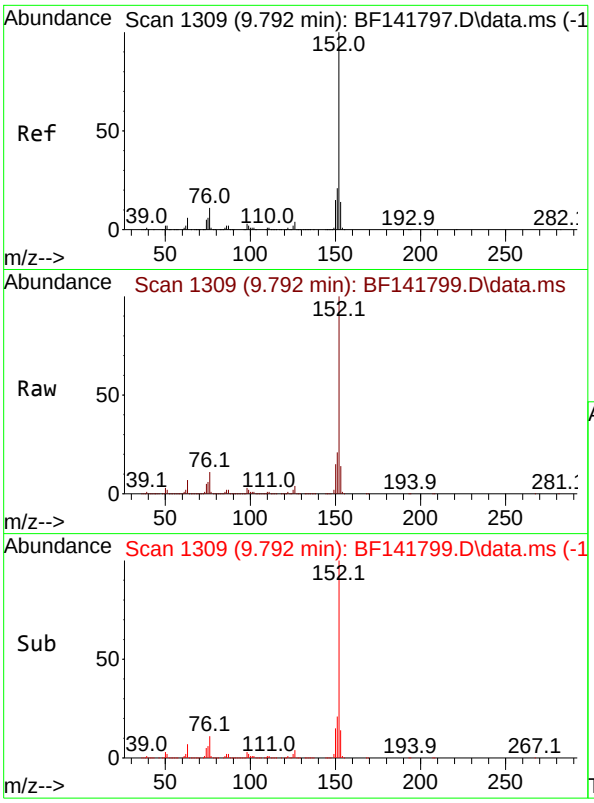


#48
2-Nitroaniline
Concen: 60.902 ng
RT: 9.469 min Scan# 1254
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



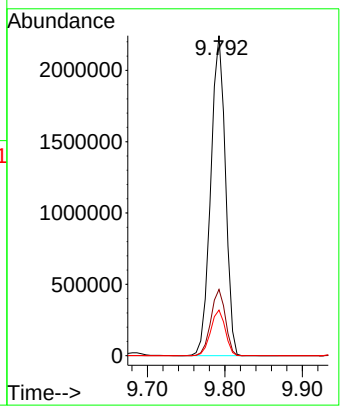


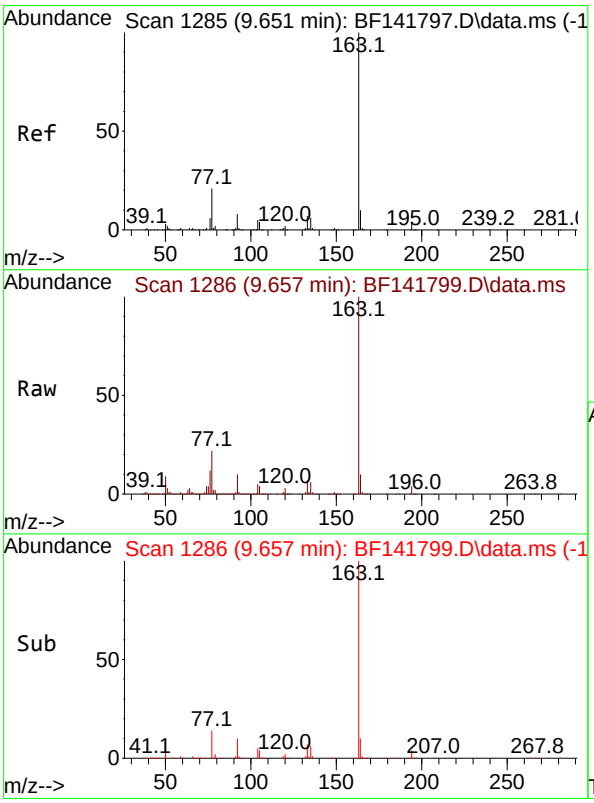
#49
Acenaphthylene
Concen: 56.845 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

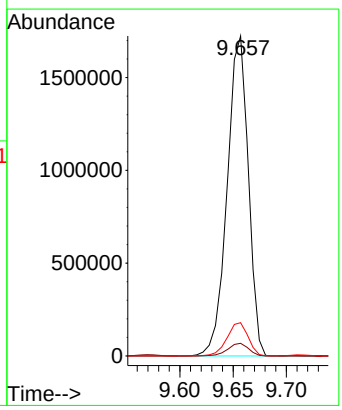


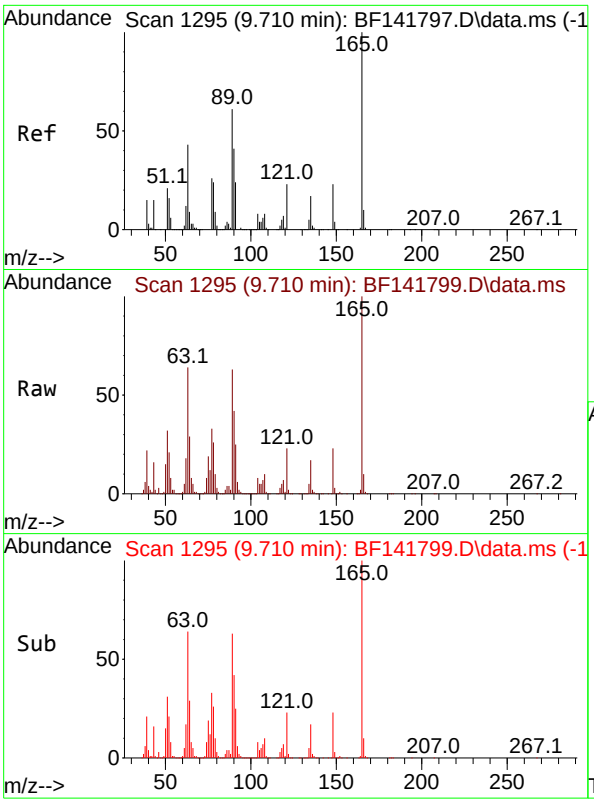


#50
Dimethylphthalate
Concen: 57.581 ng
RT: 9.657 min Scan# 1286
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



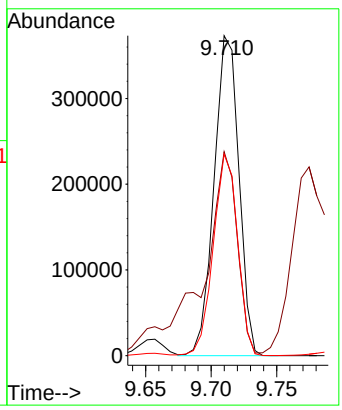


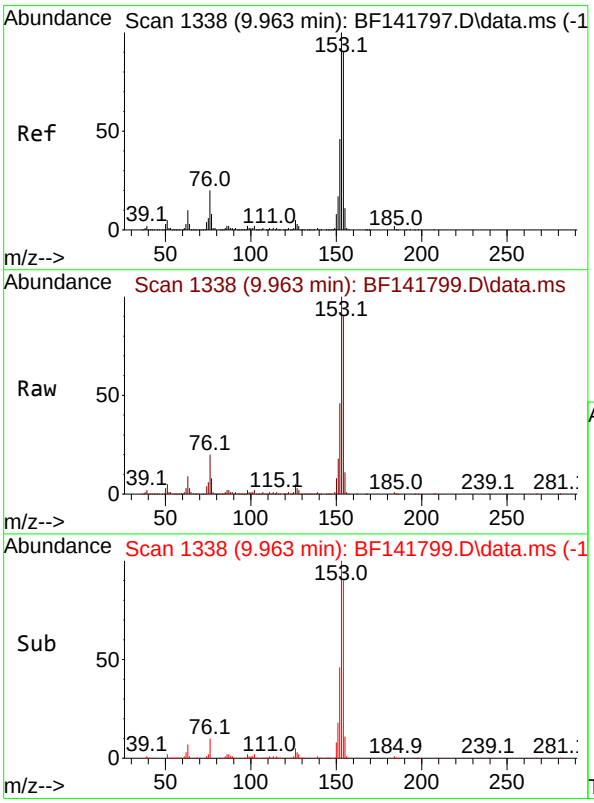
#51
2,6-Dinitrotoluene
Concen: 61.325 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

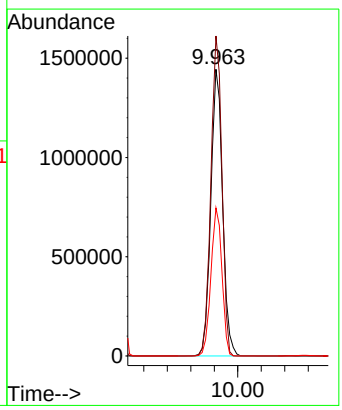


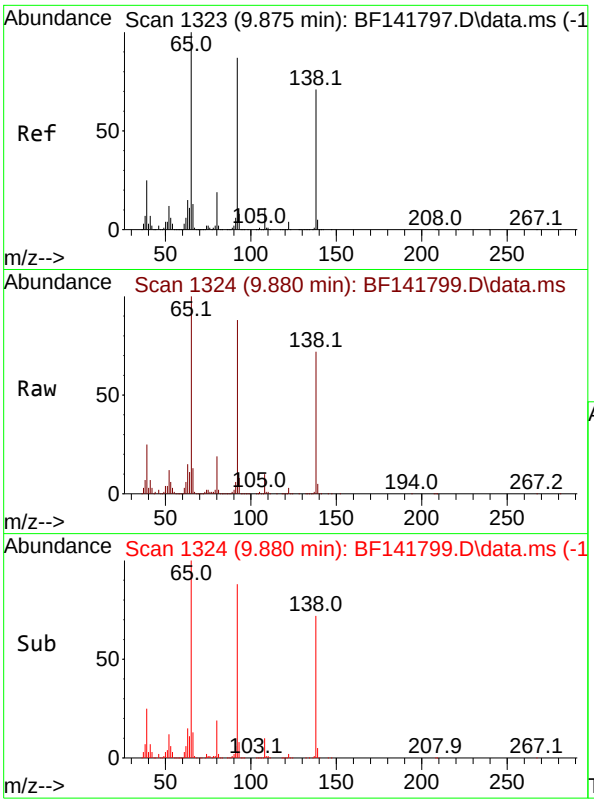


#52
Acenaphthene
Concen: 57.211 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



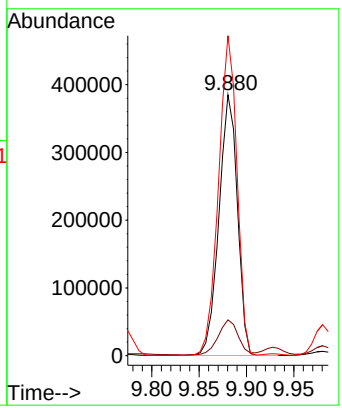


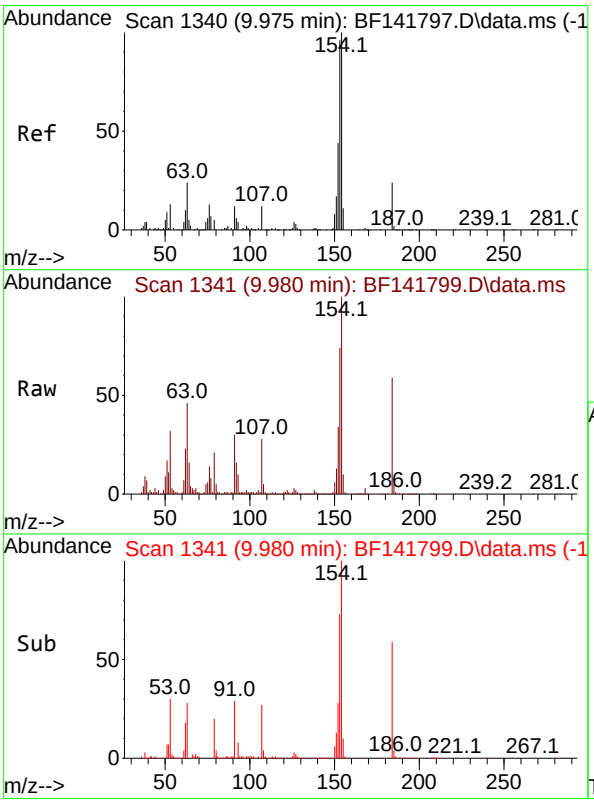
#53
3-Nitroaniline
Concen: 61.078 ng
RT: 9.880 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

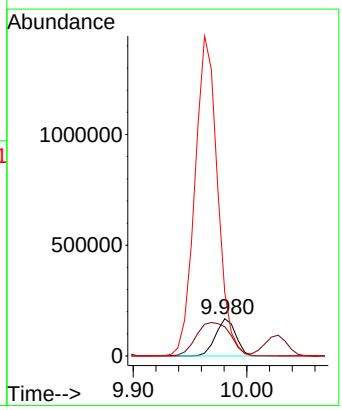


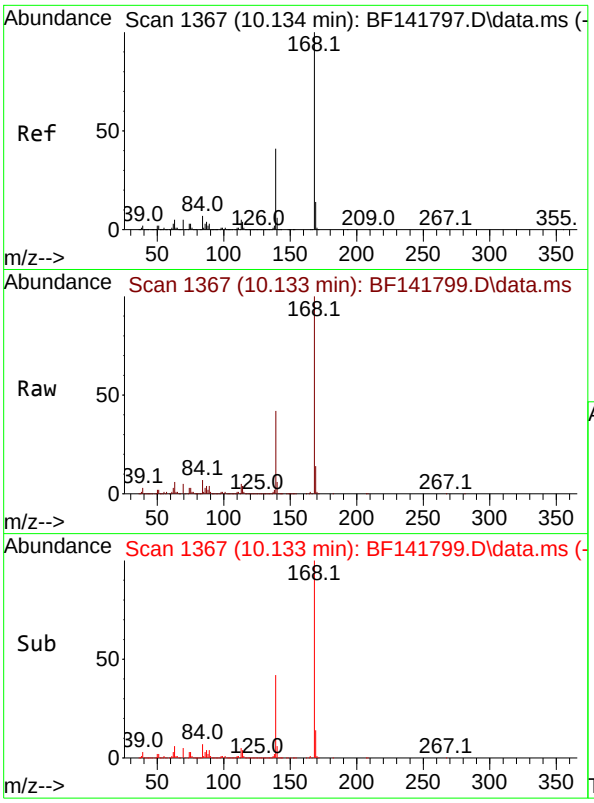


#54
2,4-Dinitrophenol
Concen: 62.312 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.005 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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#



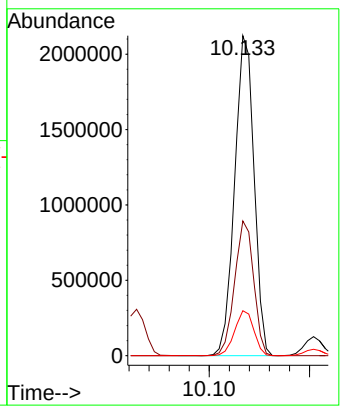


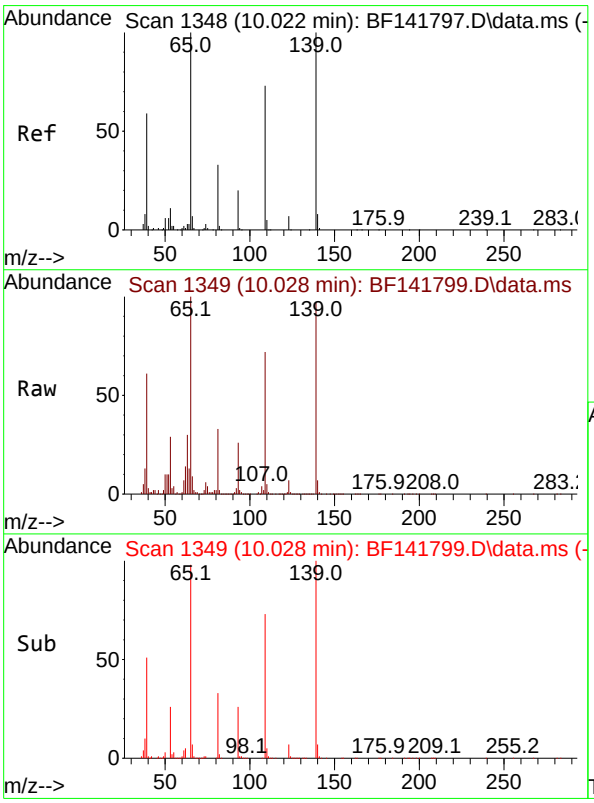
#55
Dibenzofuran
Concen: 55.911 ng
RT: 10.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

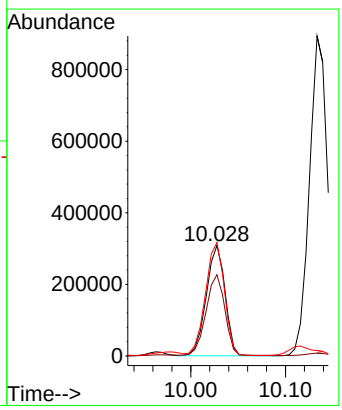


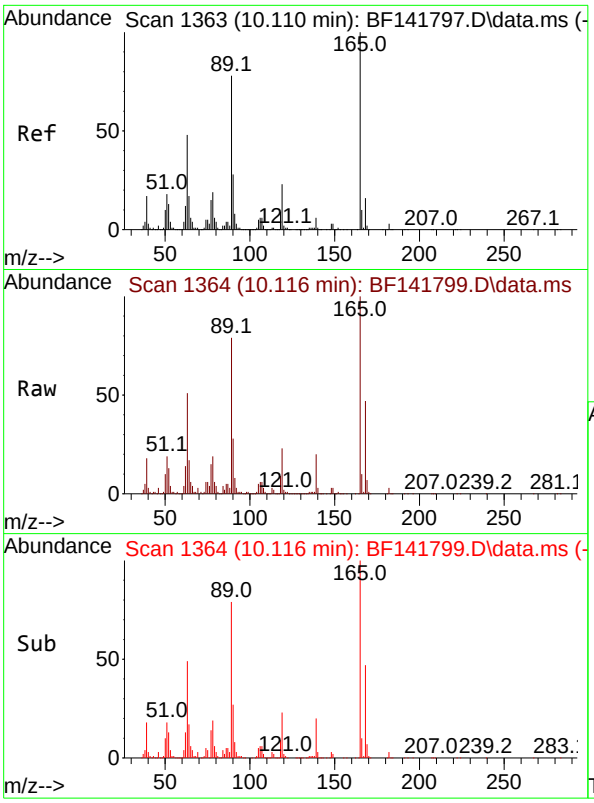


#56
4-Nitrophenol
Concen: 69.564 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



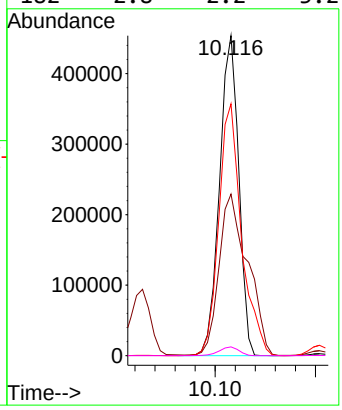


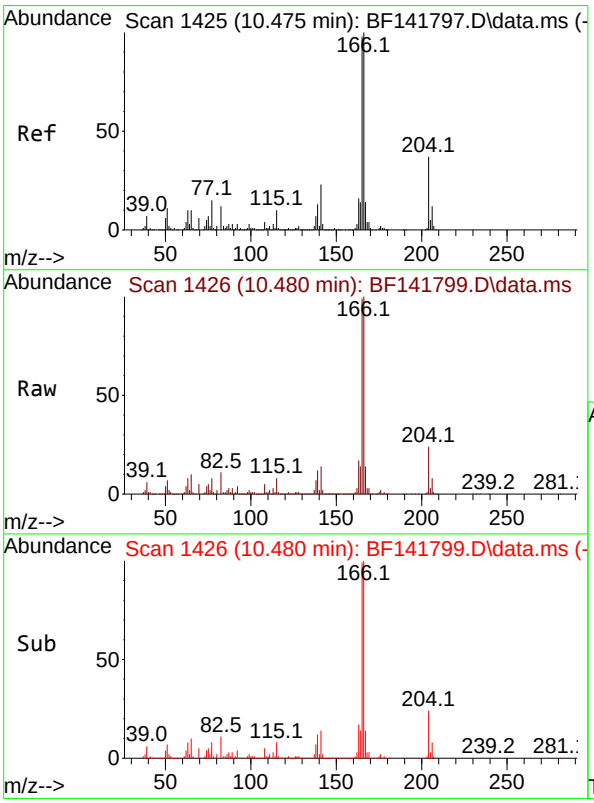
#57
2,4-Dinitrotoluene
Concen: 61.246 ng
RT: 10.116 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

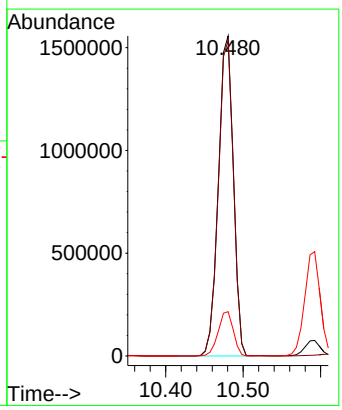


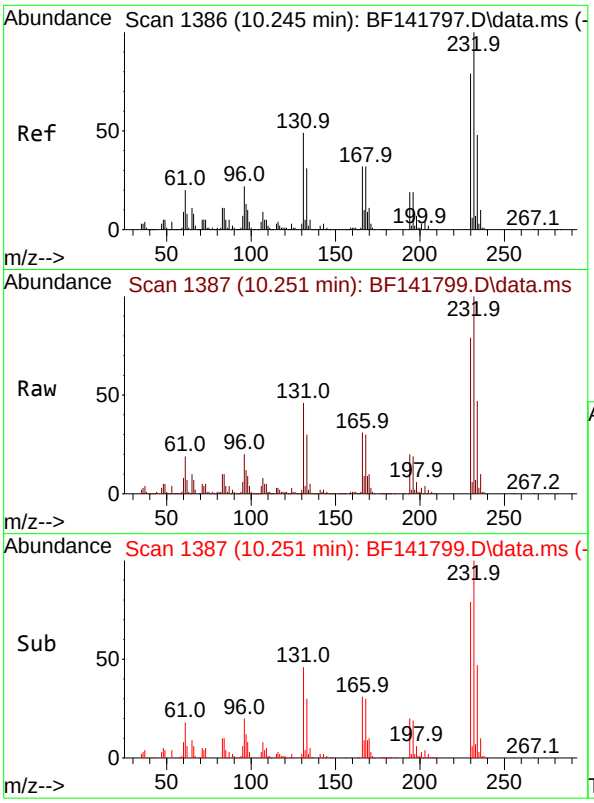


#58
Fluorene
Concen: 54.917 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



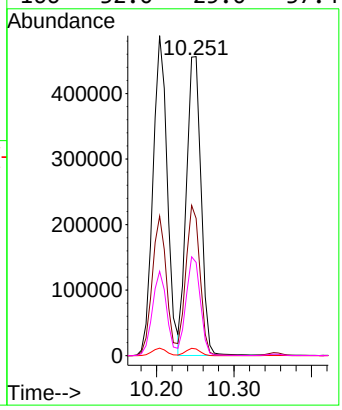


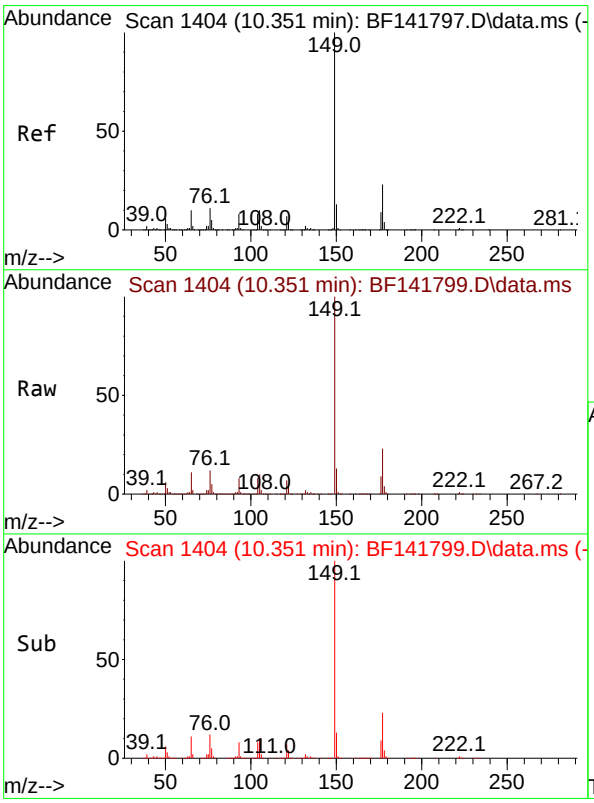
#59
2,3,4,6-Tetrachlorophenol
Concen: 60.159 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

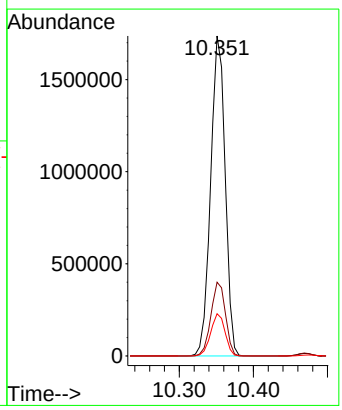


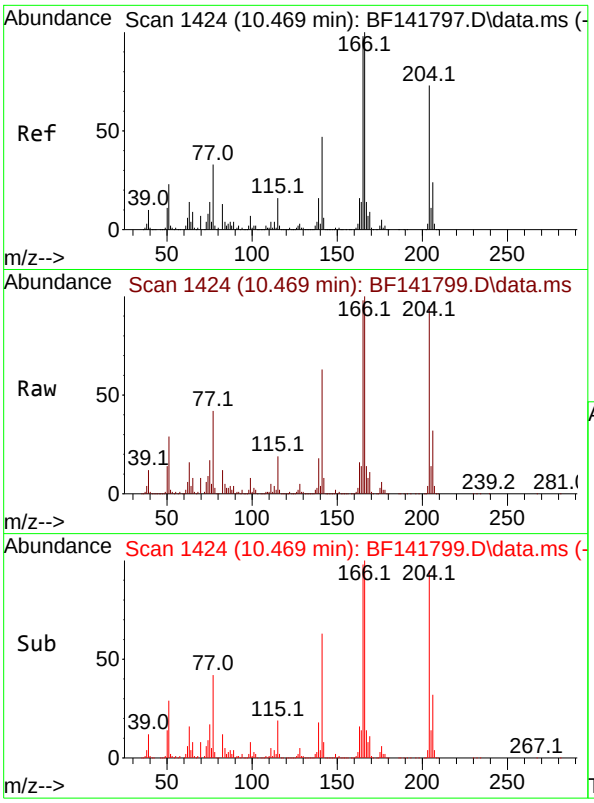


#60
Diethylphthalate
Concen: 56.972 ng
RT: 10.351 min Scan# 1404
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



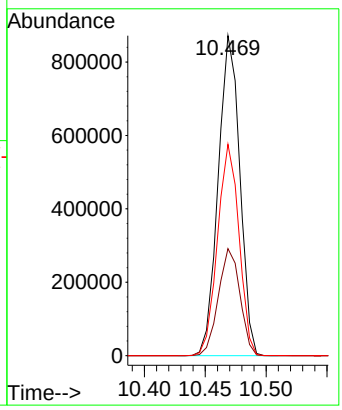


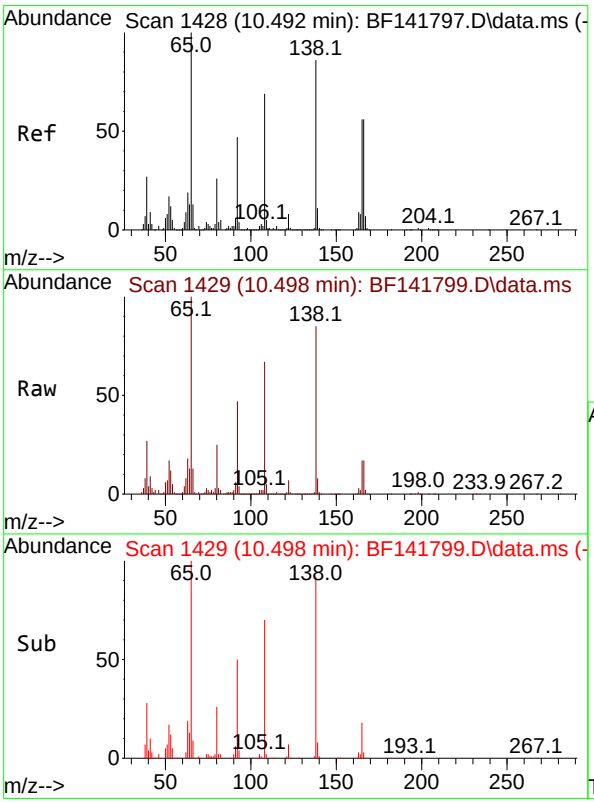
#61
4-Chlorophenyl-phenylether
Concen: 56.324 ng
RT: 10.469 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

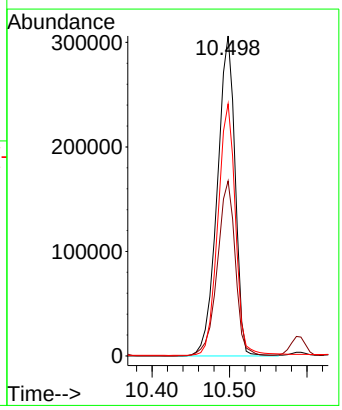


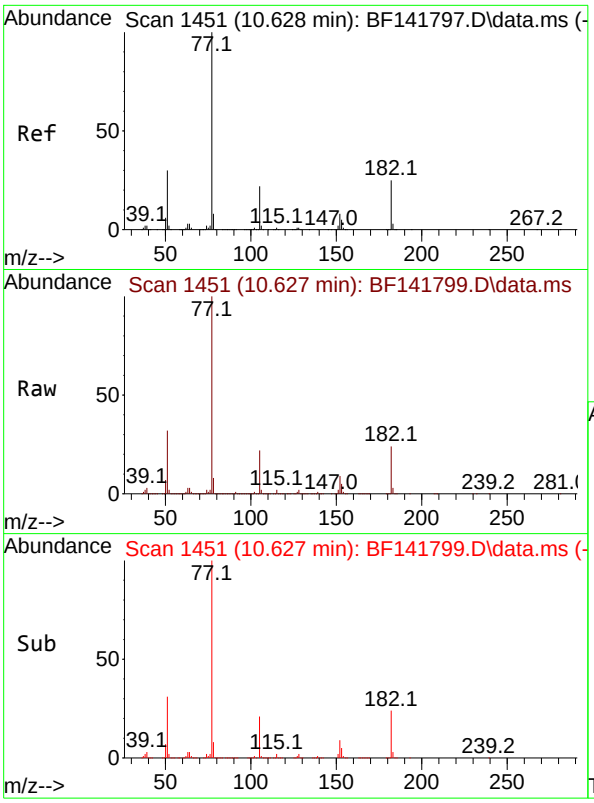


#62
4-Nitroaniline
Concen: 69.546 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



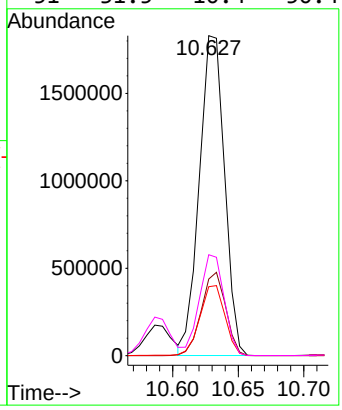


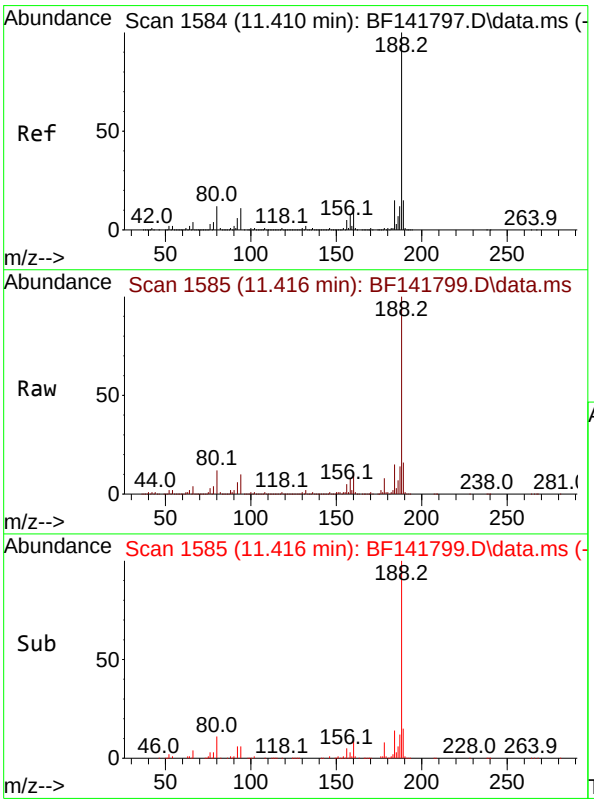
#63
Azobenzene
Concen: 56.242 ng
RT: 10.627 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

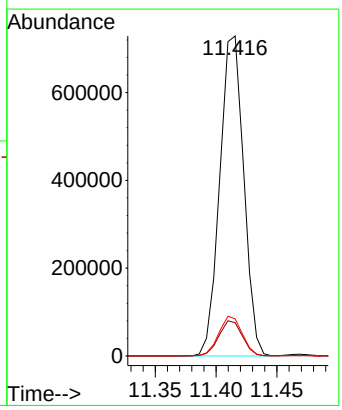


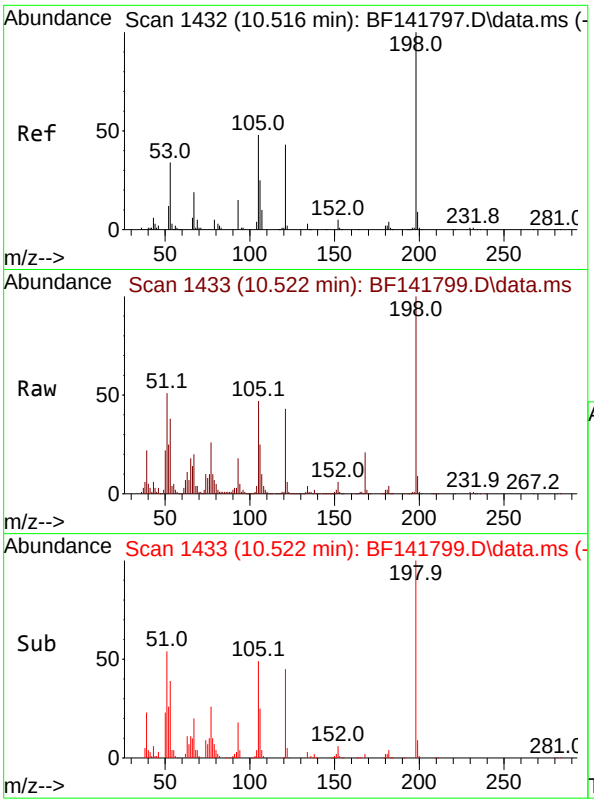


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



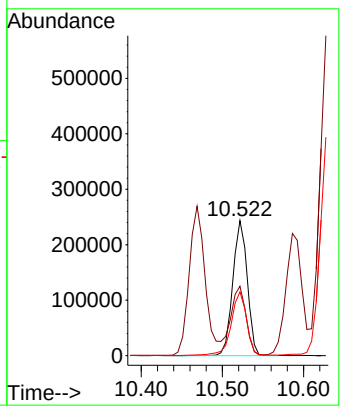


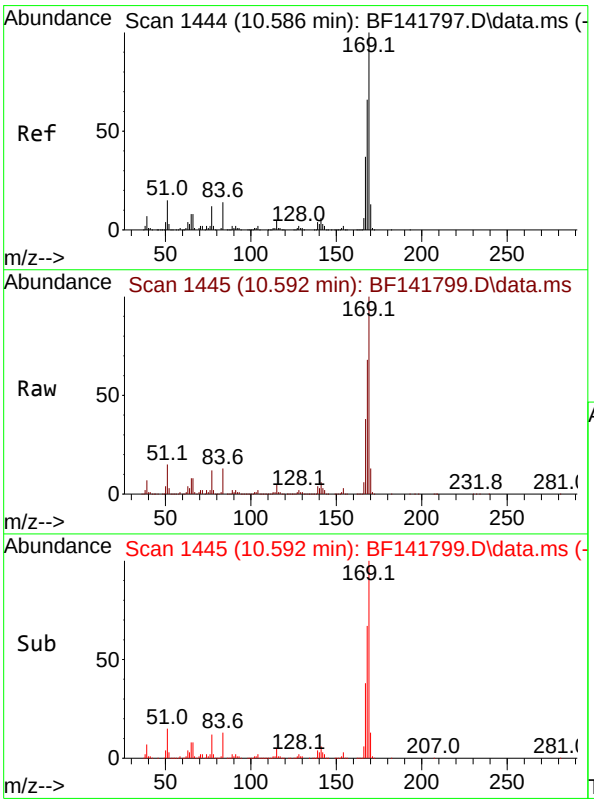
#65
4,6-Dinitro-2-methylphenol
Concen: 61.255 ng
RT: 10.522 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

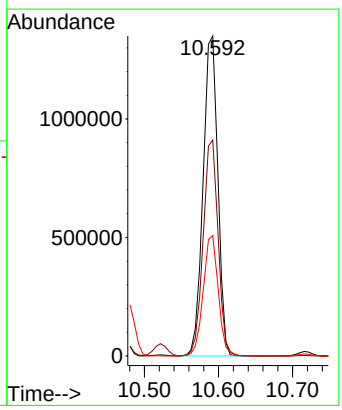


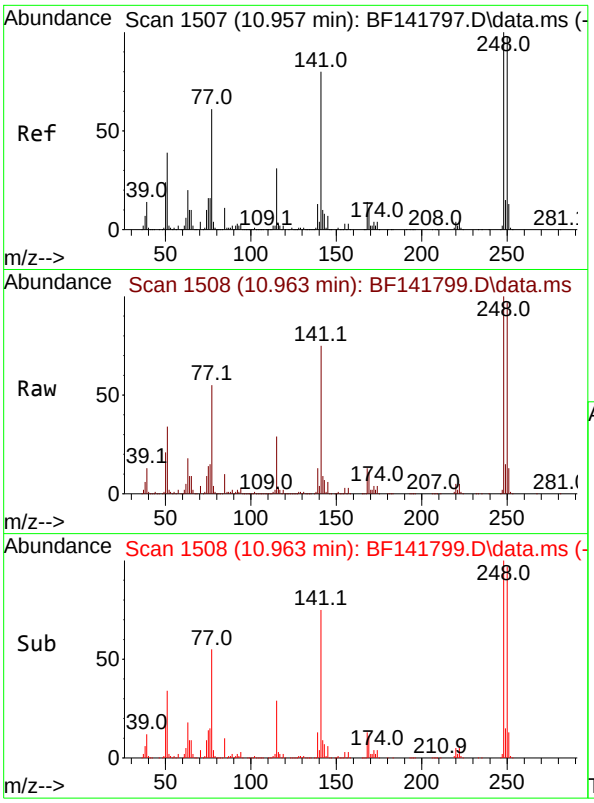


#66
n-Nitrosodiphenylamine
Concen: 56.913 ng
RT: 10.592 min Scan# 1445
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



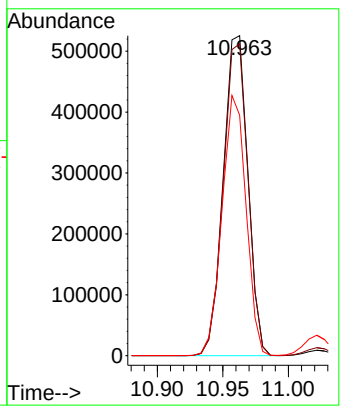


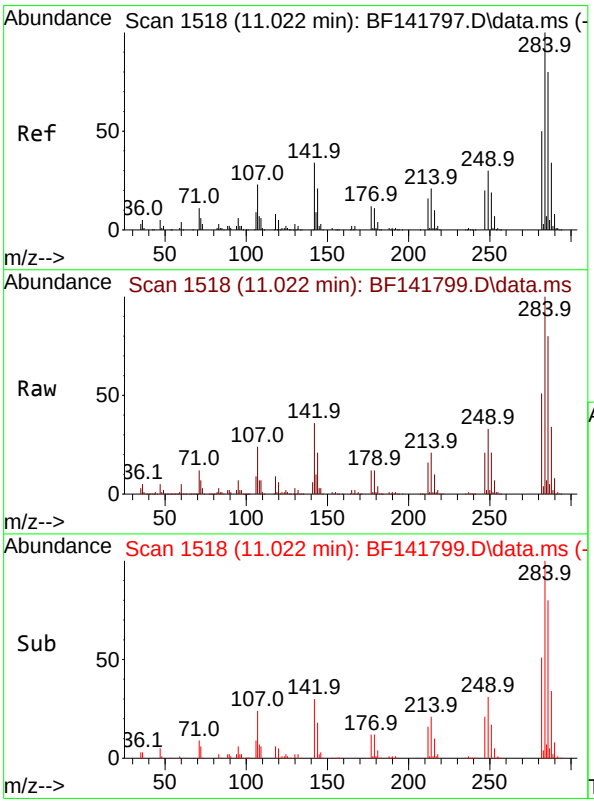
#67
4-Bromophenyl-phenylether
Concen: 59.012 ng
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

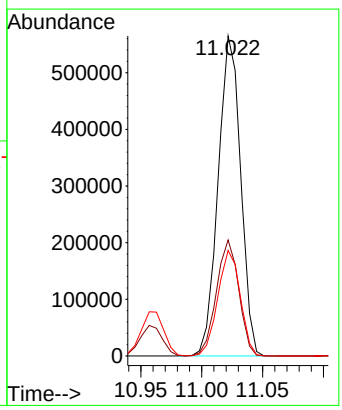


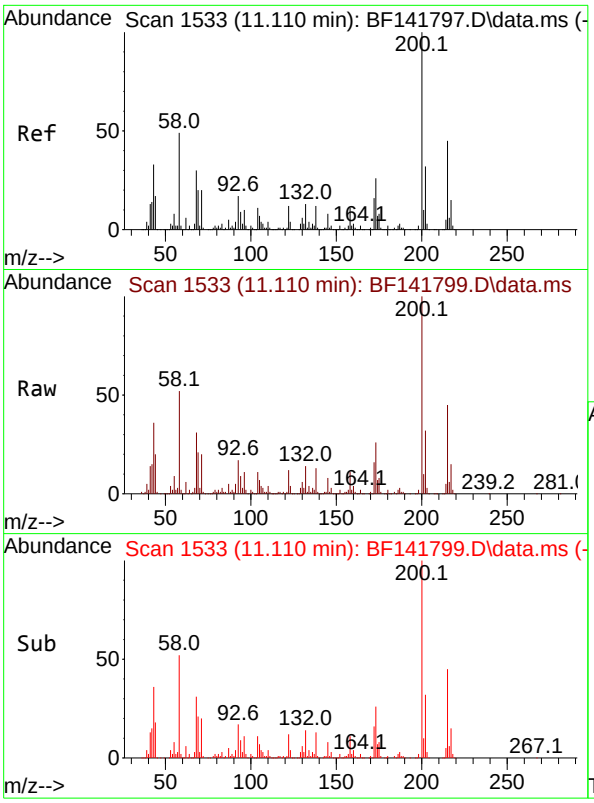


#68
Hexachlorobenzene
Concen: 58.945 ng
RT: 11.022 min Scan# 1518
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



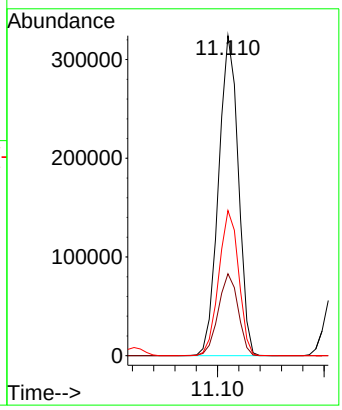


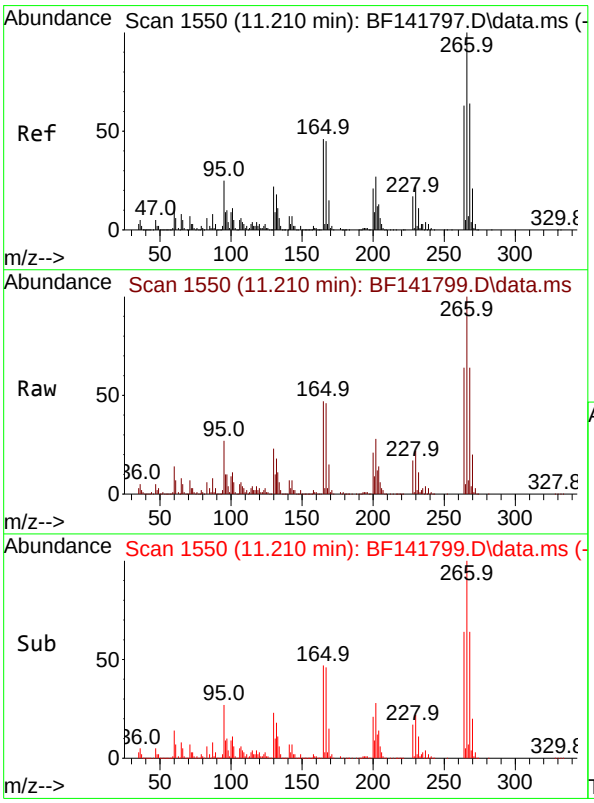
#69
Atrazine
Concen: 46.200 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

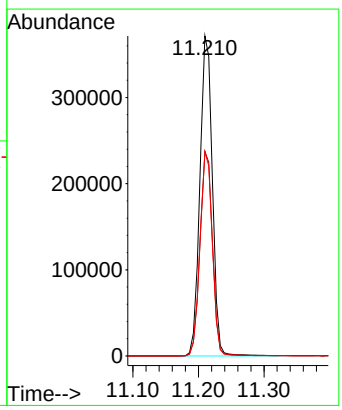


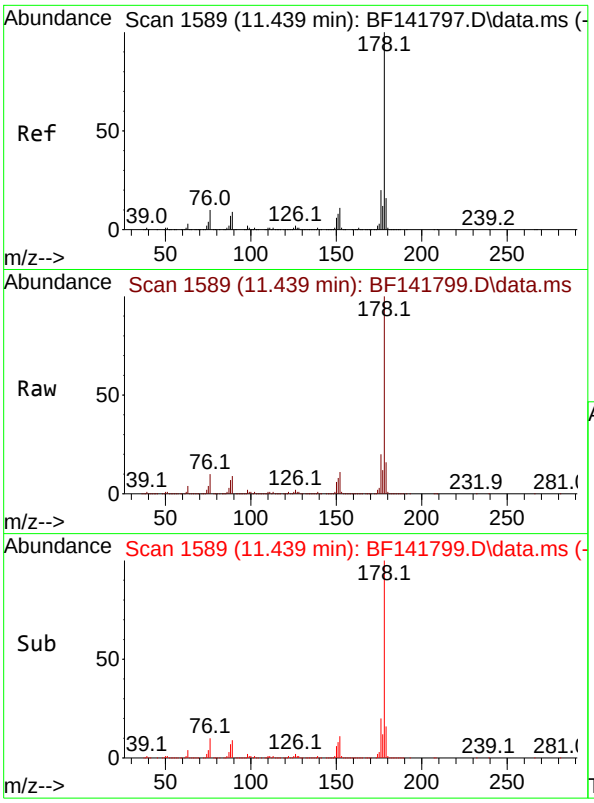


#70
Pentachlorophenol
Concen: 62.968 ng
RT: 11.210 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



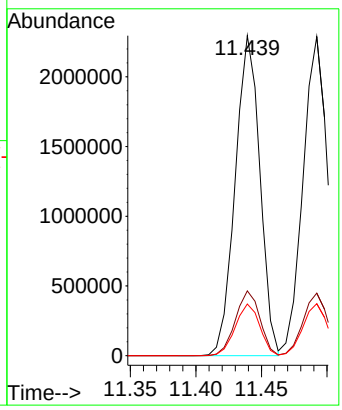


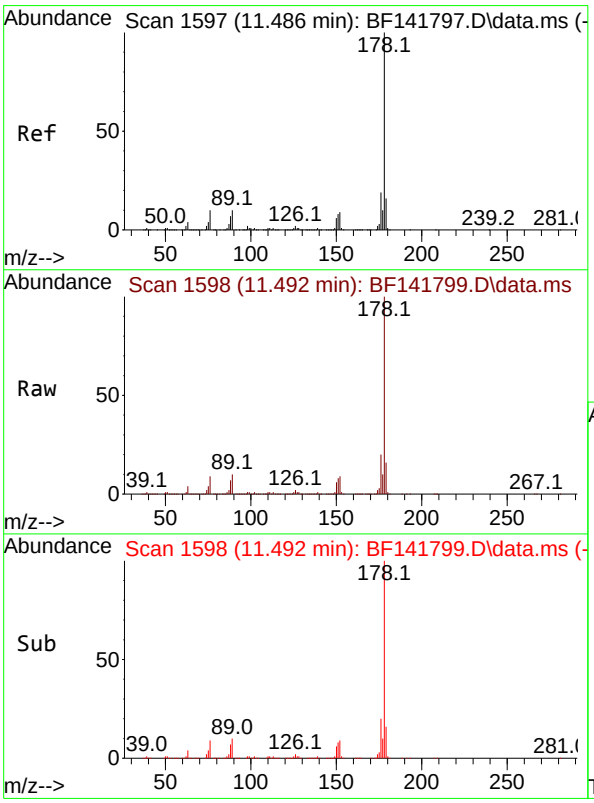
#71
Phenanthrene
Concen: 56.165 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

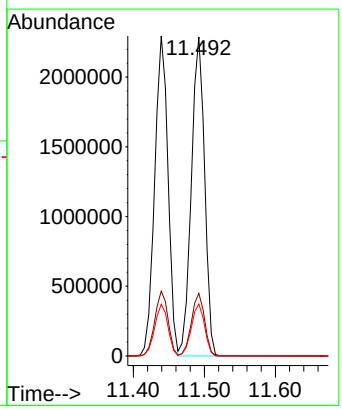


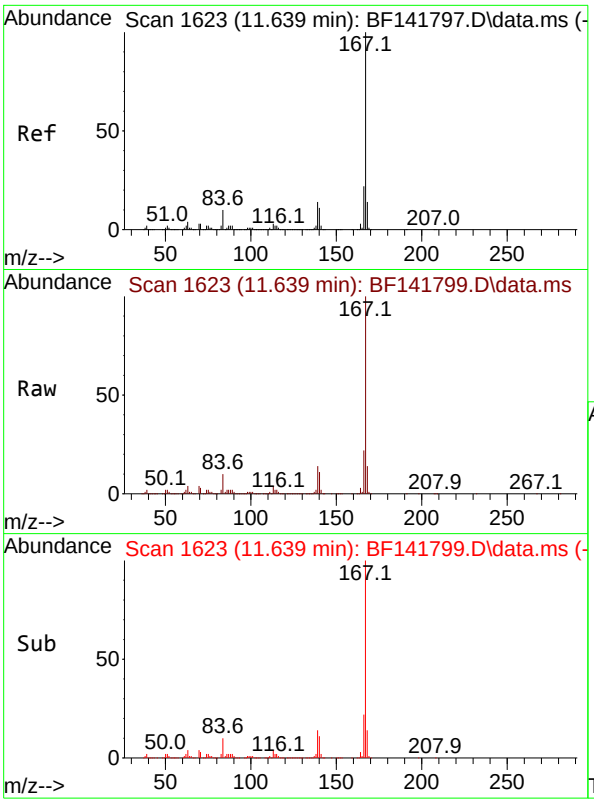


#72
Anthracene
Concen: 55.373 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



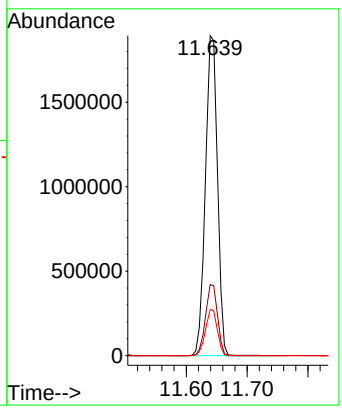


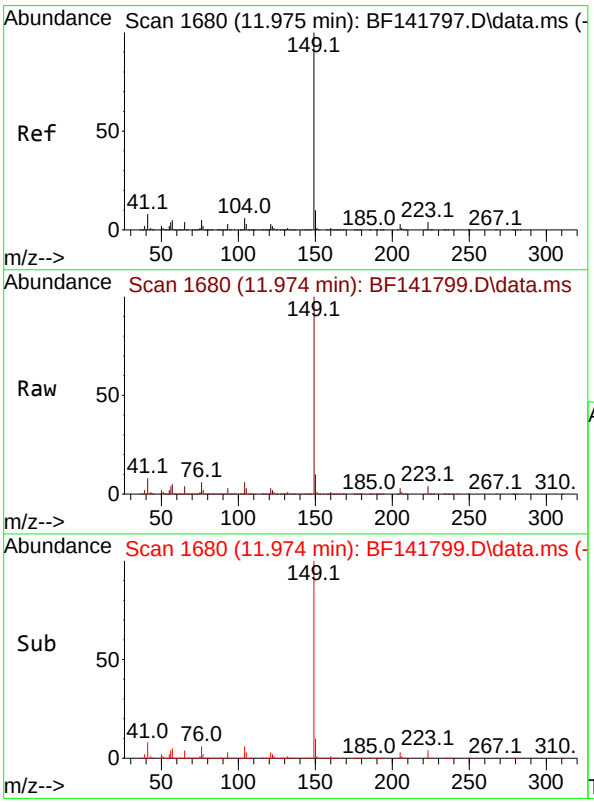
#73
Carbazole
Concen: 55.217 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

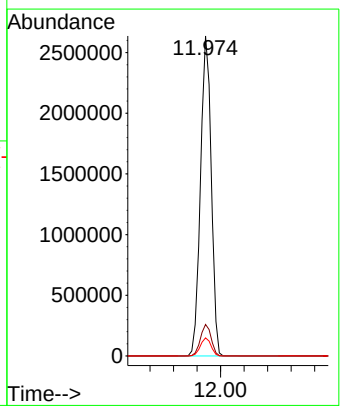


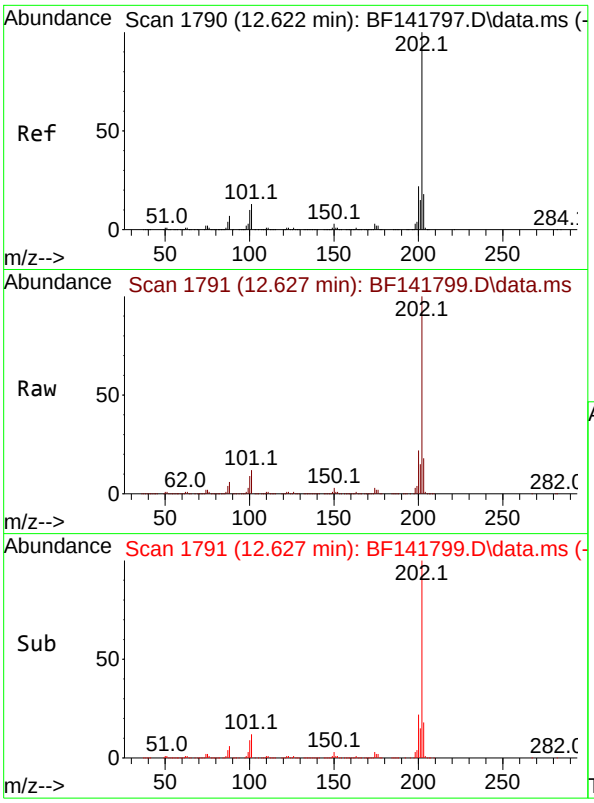


#74
Di-n-butylphthalate
Concen: 55.675 ng
RT: 11.974 min Scan# 1680
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



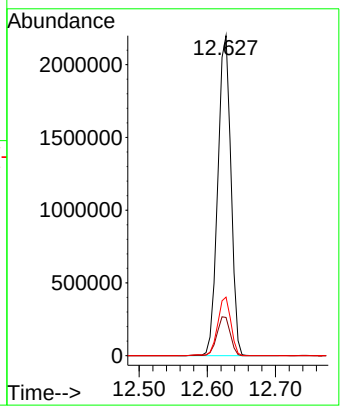


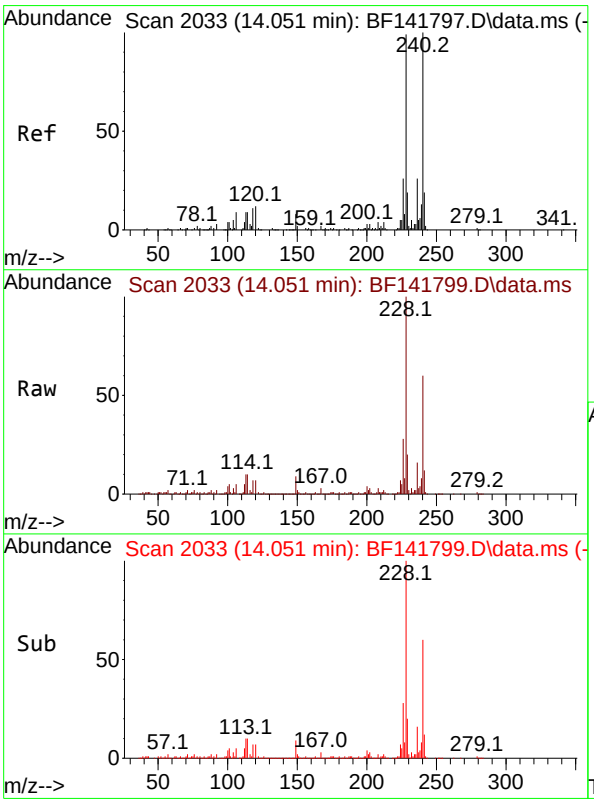
#75
Fluoranthene
Concen: 53.680 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

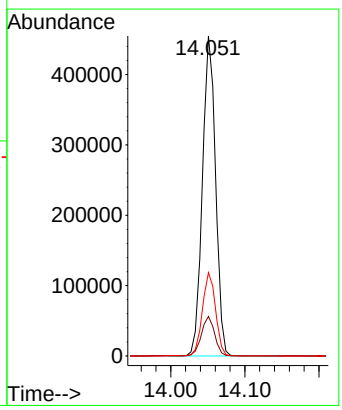


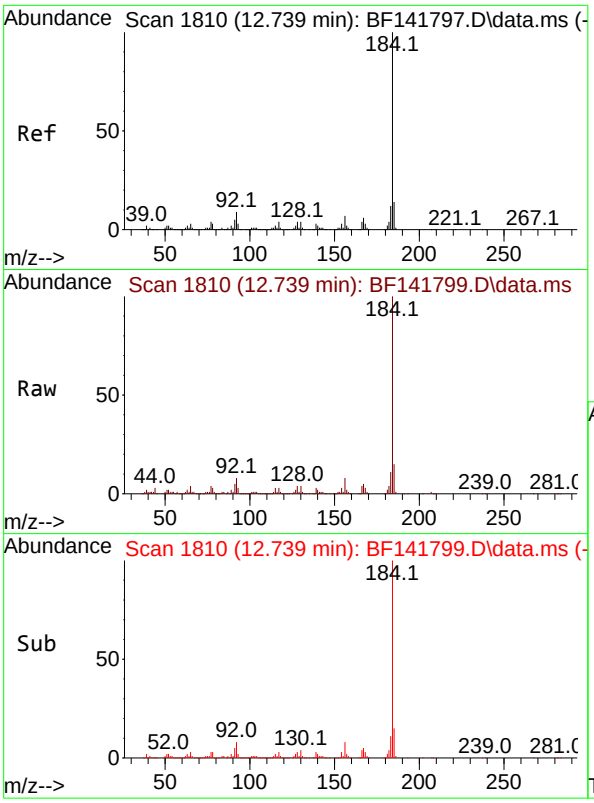


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



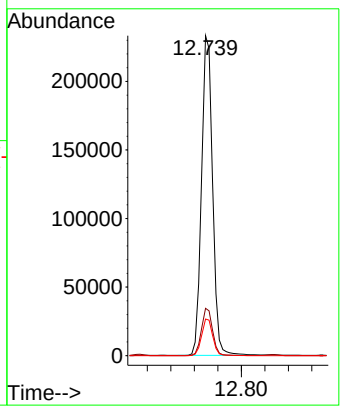


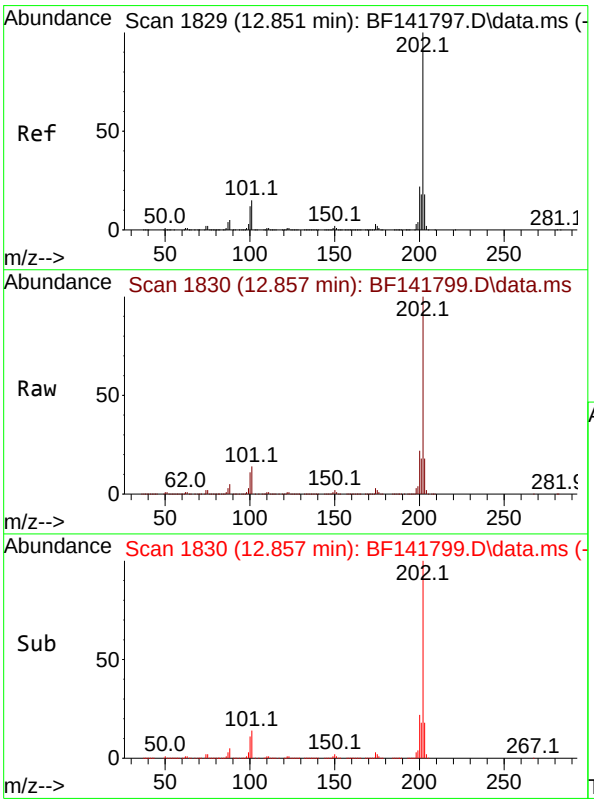
#77
Benzidine
Concen: 43.207 ng
RT: 12.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

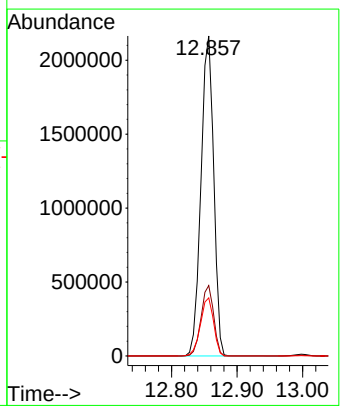


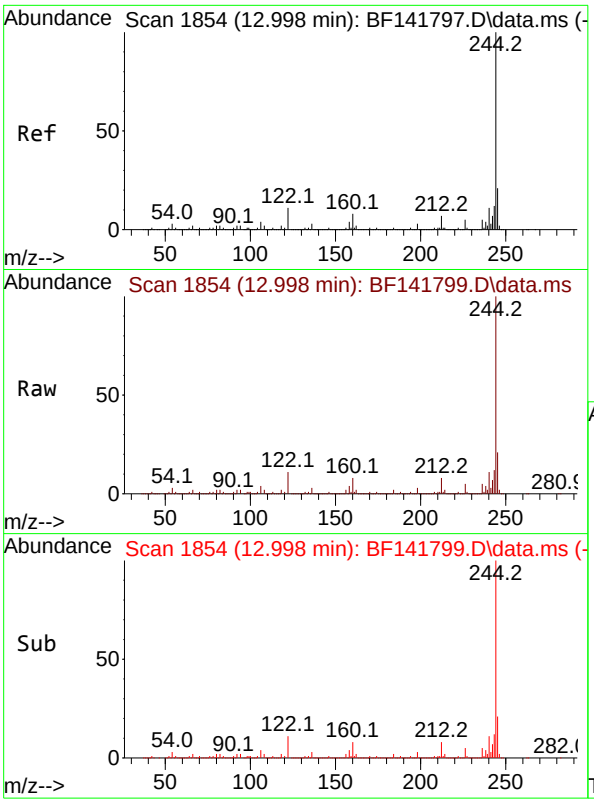


#78
Pyrene
Concen: 60.064 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



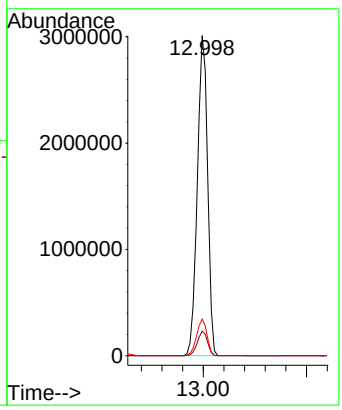


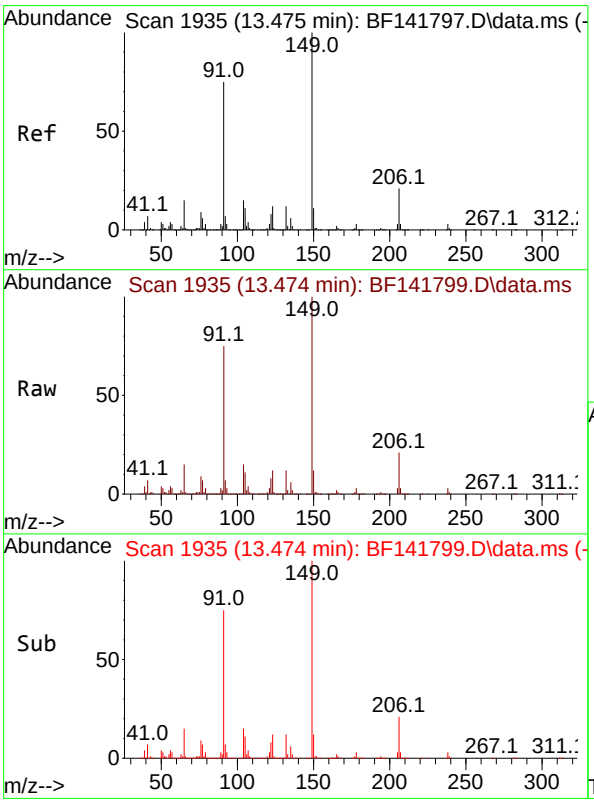
#79
Terphenyl-d14
Concen: 119.098 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

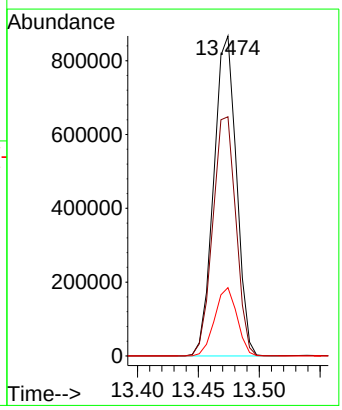


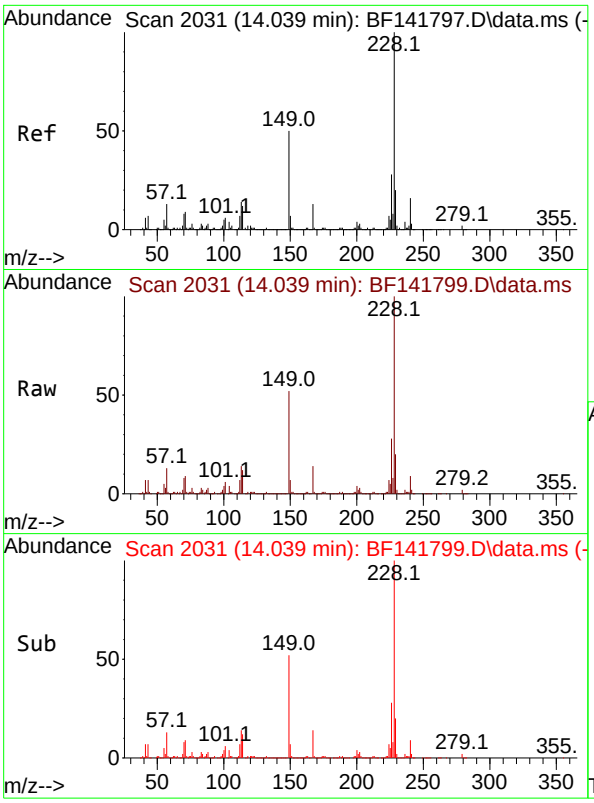


#80
Butylbenzylphthalate
Concen: 63.605 ng
RT: 13.474 min Scan# 1935
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



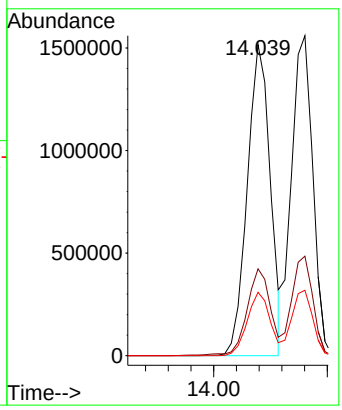


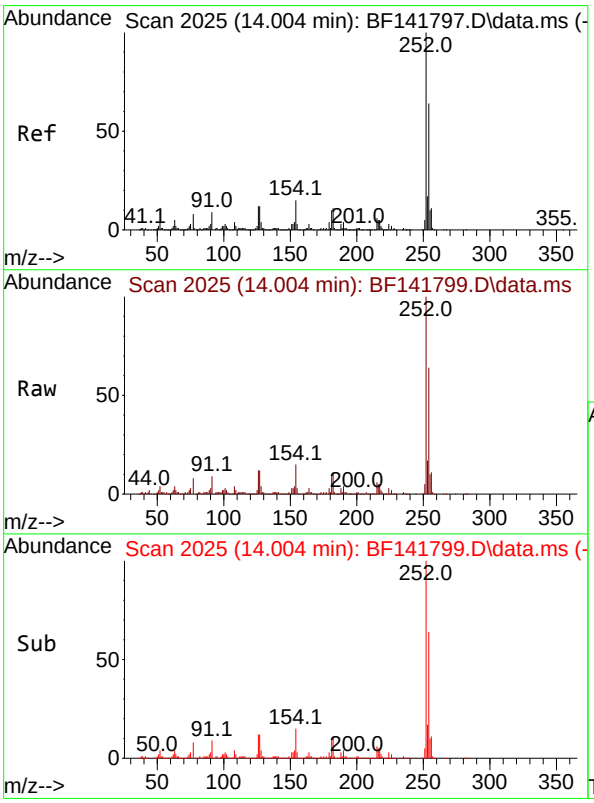
#81
Benzo(a)anthracene
Concen: 57.309 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

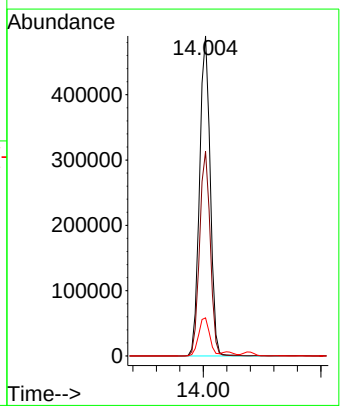


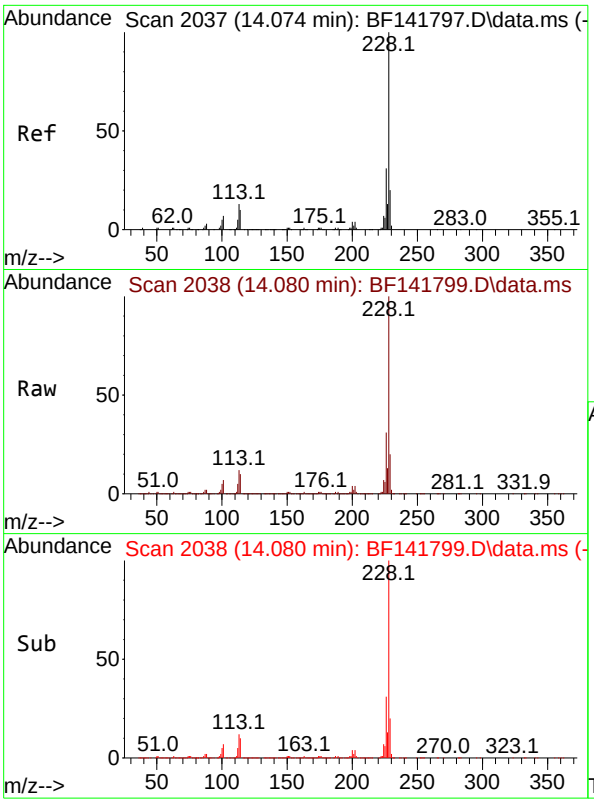


#82
3,3'-Dichlorobenzidine
Concen: 57.639 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



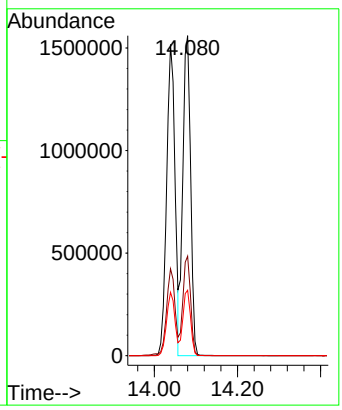


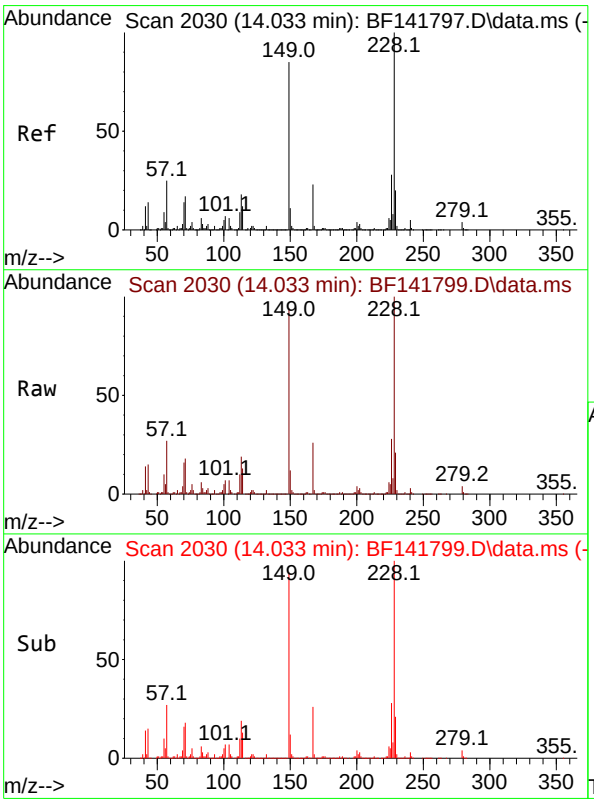
#83
Chrysene
Concen: 59.545 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

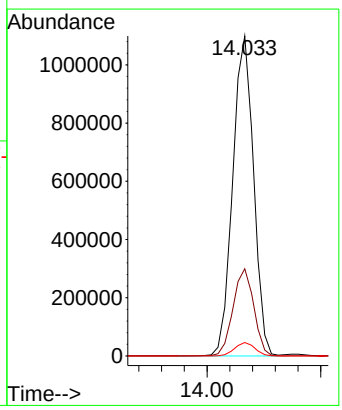


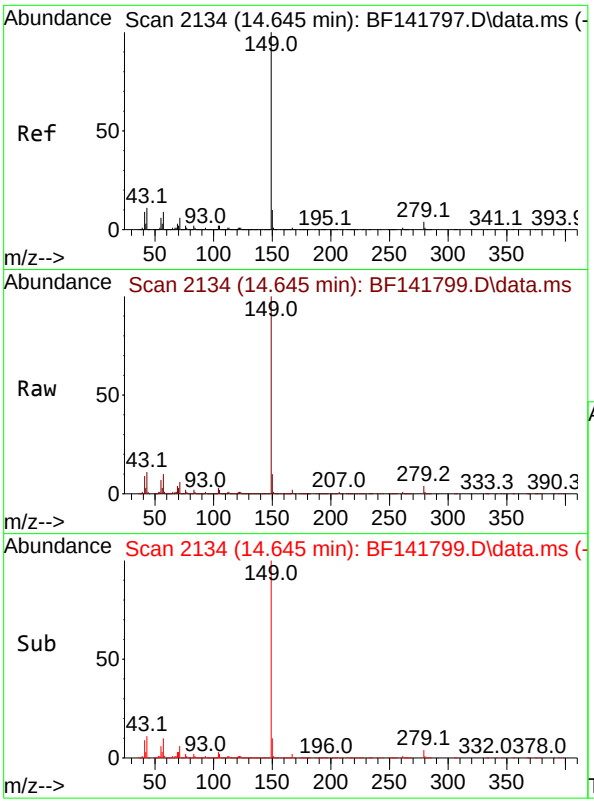


#84
Bis(2-ethylhexyl)phthalate
Concen: 63.421 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



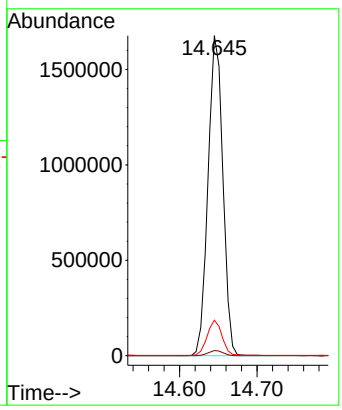


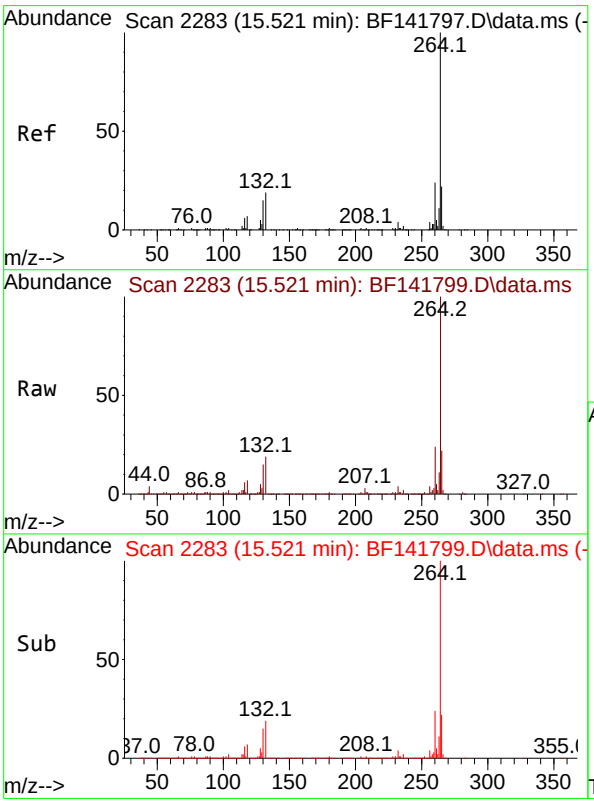
#85
Di-n-octyl phthalate
Concen: 67.411 ng
RT: 14.645 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

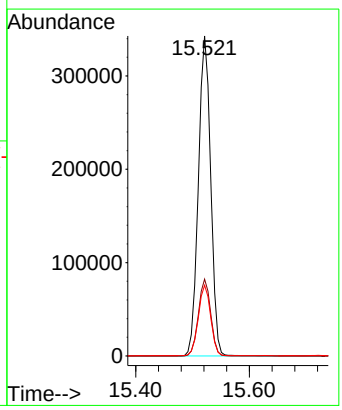


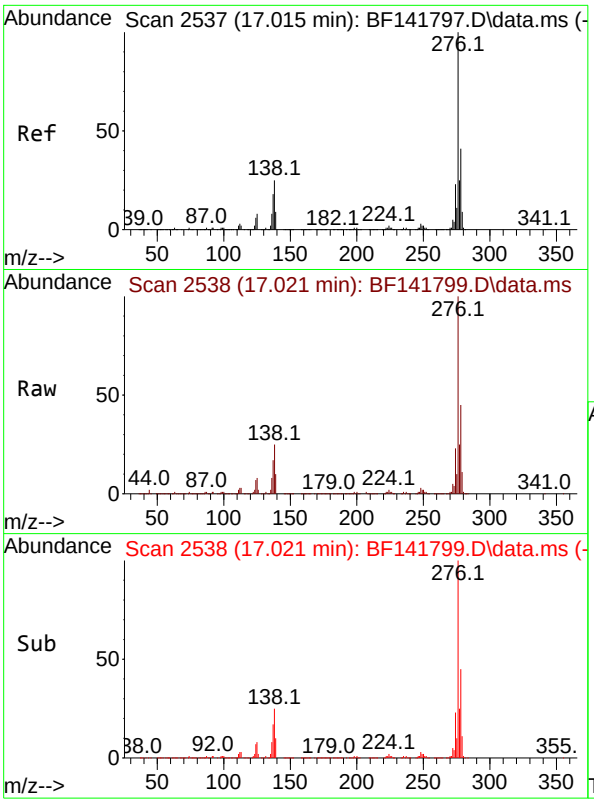


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



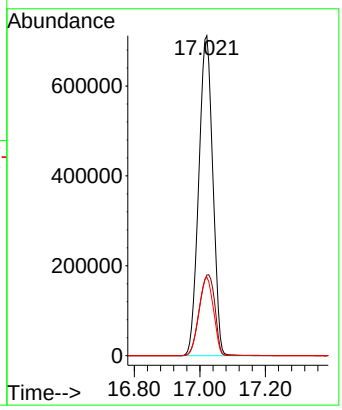


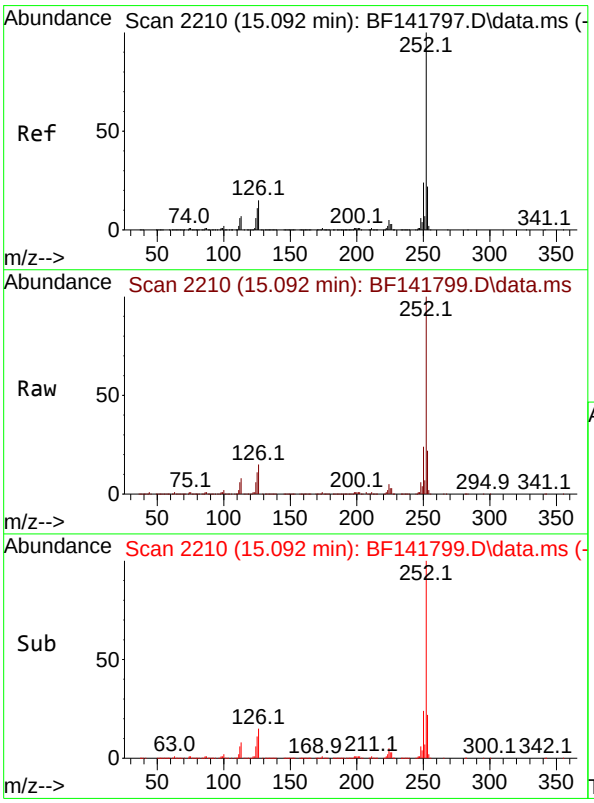
#87
Indeno(1,2,3-cd)pyrene
Concen: 64.589 ng
RT: 17.021 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

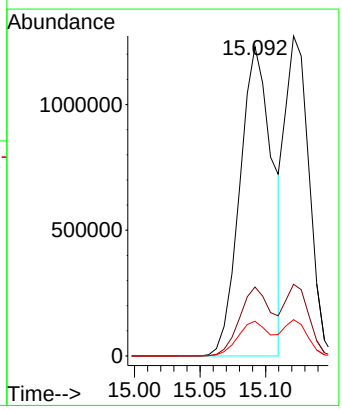


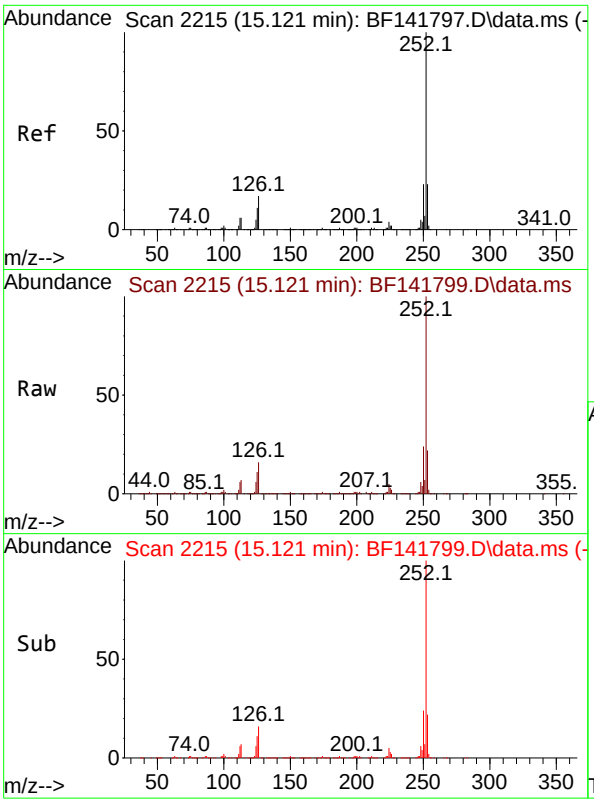


#88
Benzo(b)fluoranthene
Concen: 60.349 ng
RT: 15.092 min Scan# 2210
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



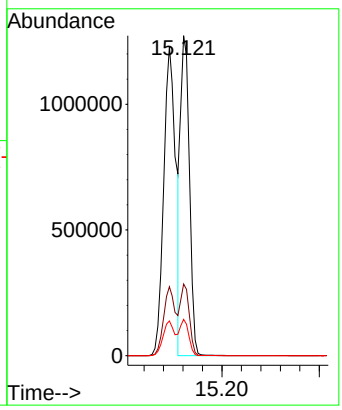


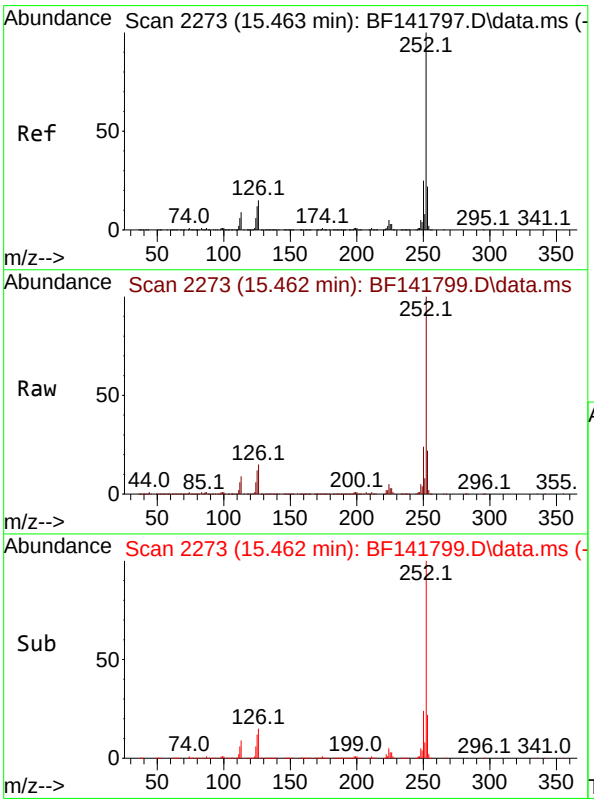
#89
Benzo(k)fluoranthene
Concen: 53.909 ng
RT: 15.121 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

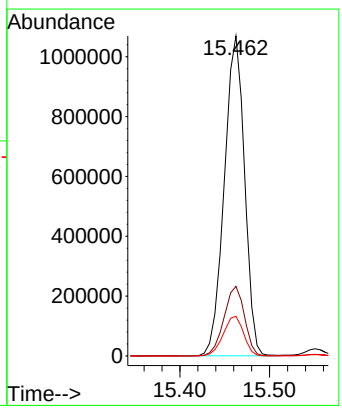


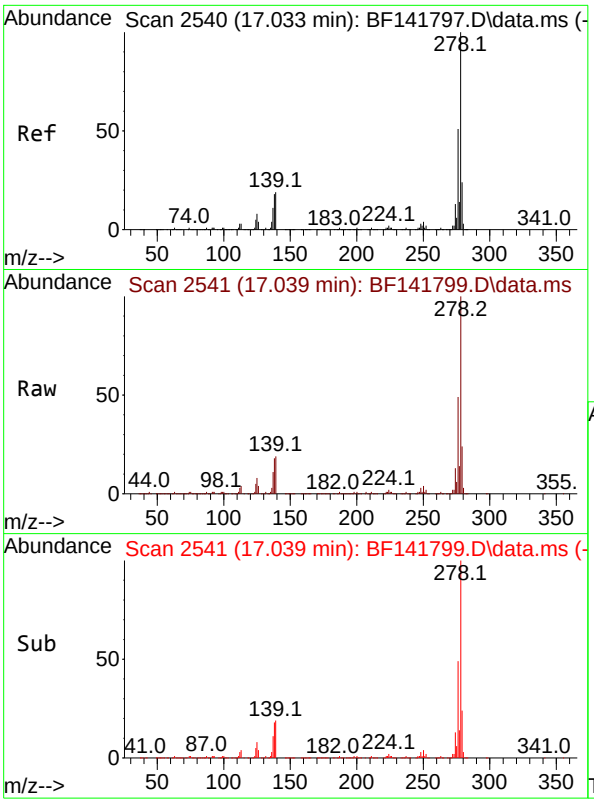


#90
Benzo(a)pyrene
Concen: 59.327 ng
RT: 15.462 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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



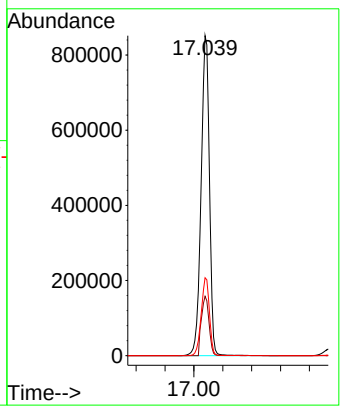


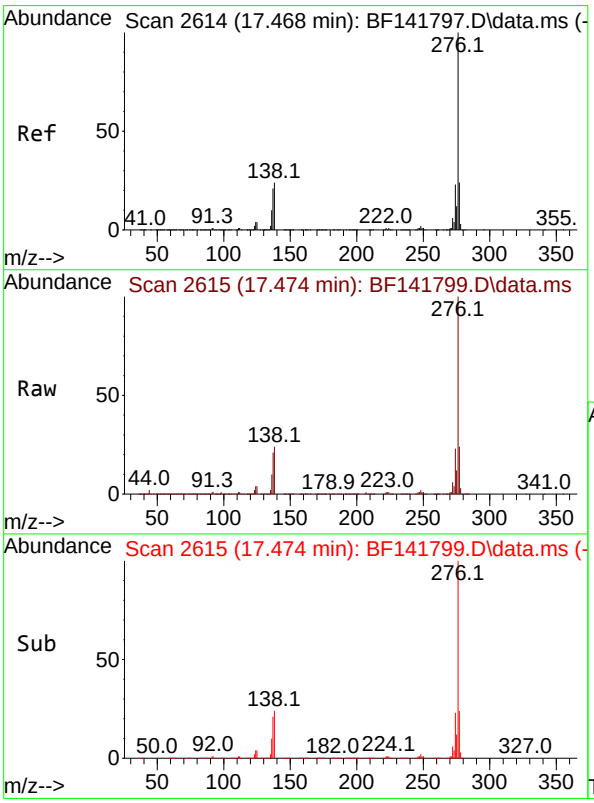
#91
Dibenzo(a,h)anthracene
Concen: 63.544 ng
RT: 17.039 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

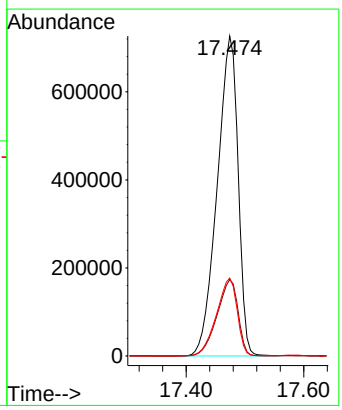




#92
Benzo(g,h,i)perylene
Concen: 65.105 ng
RT: 17.474 min Scan# 2615
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

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

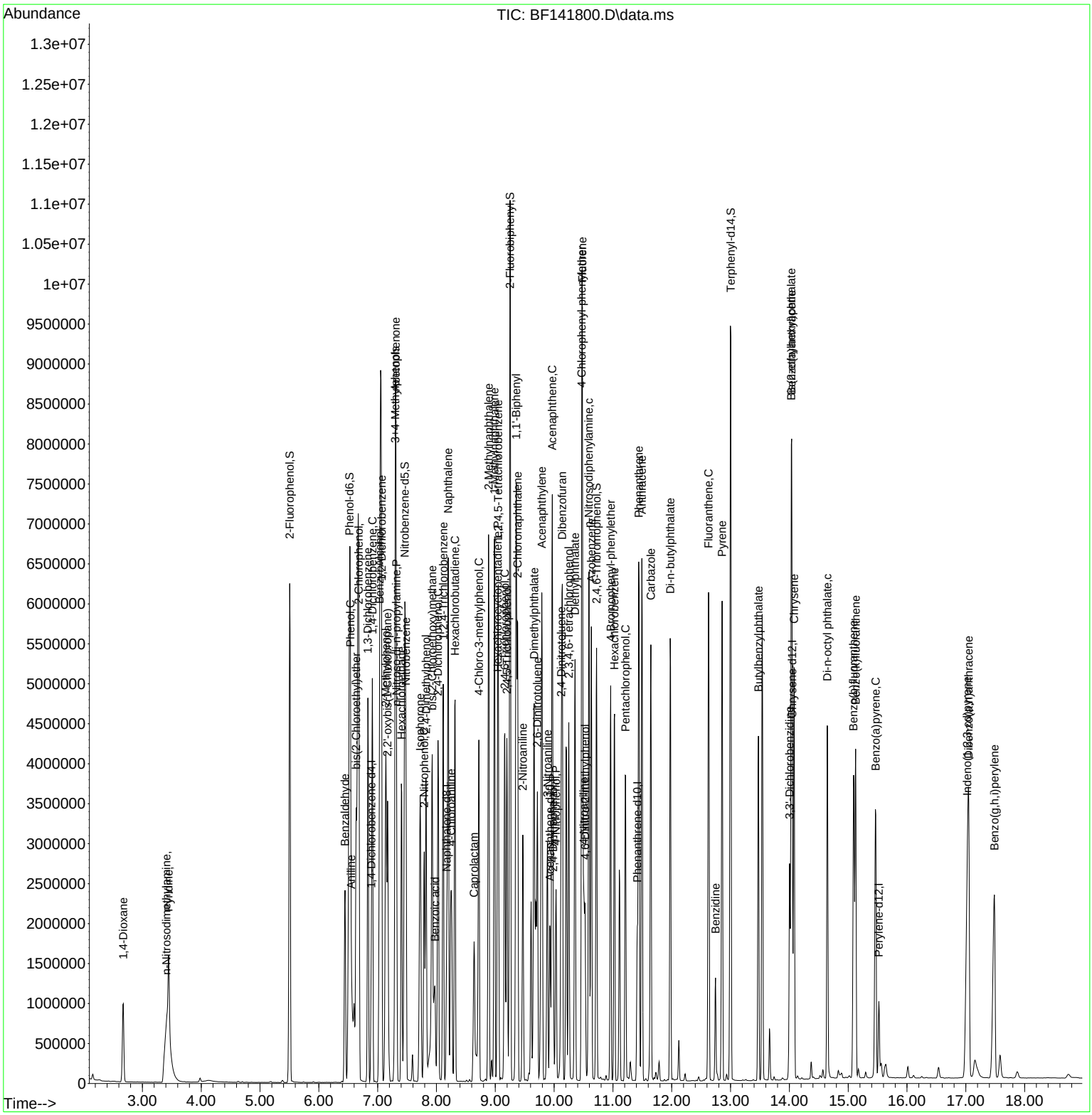
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141800.D
Acq On : 27 Feb 2025 18:45
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

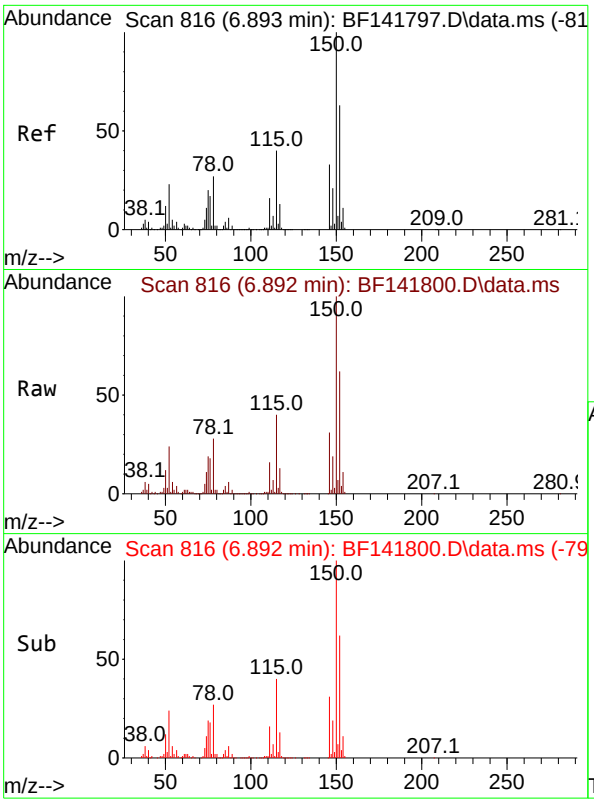
Quant Time: Feb 28 01:28:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

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

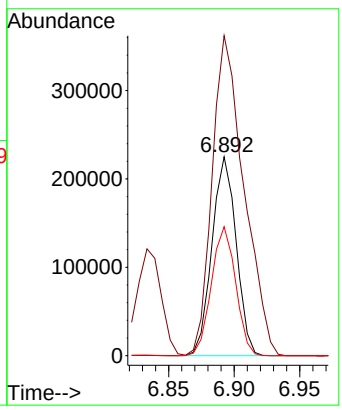




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 8
Delta R.T. -0.001 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:152 Resp: 28882

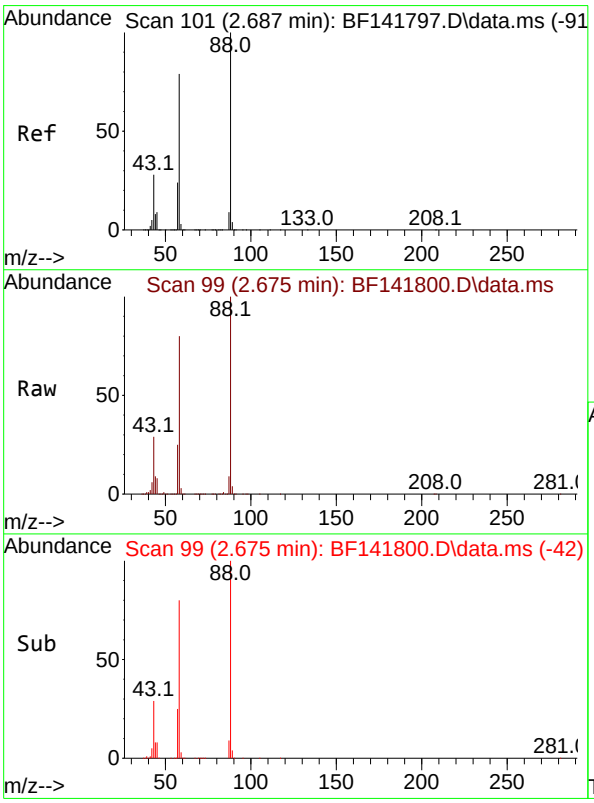
Ion	Ratio	Lower	Upper
152	100		
150	160.9	127.5	191.3
115	64.9	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

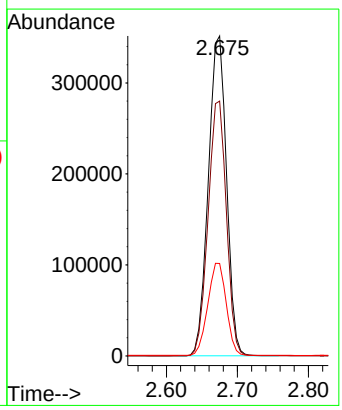
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

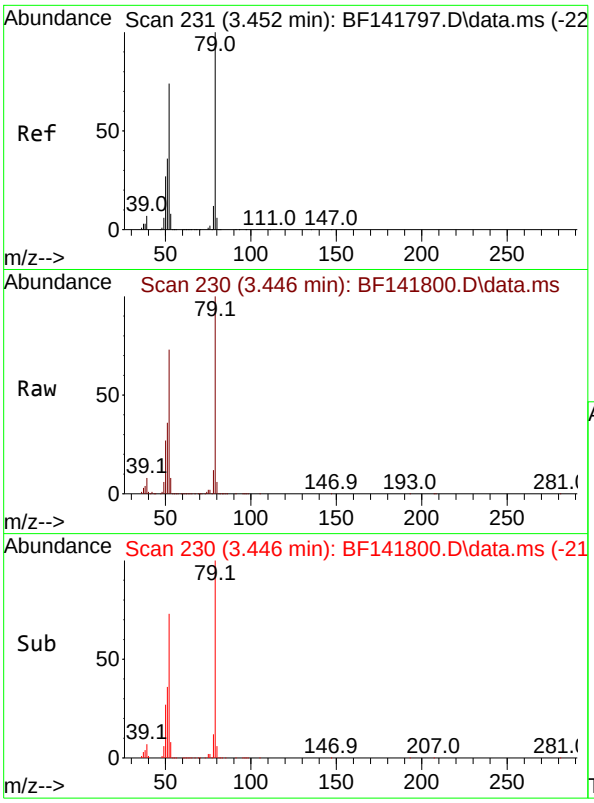


#2
1,4-Dioxane
Concen: 76.145 ng
RT: 2.675 min Scan# 99
Delta R.T. -0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

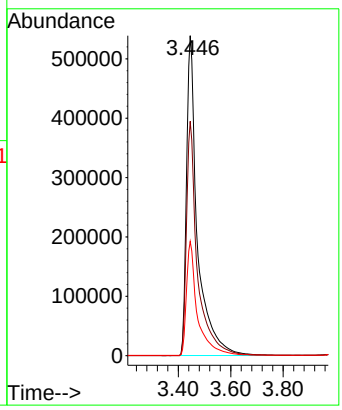




#3
Pyridine
Concen: 76.409 ng
RT: 3.446 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 79 Resp: 156013

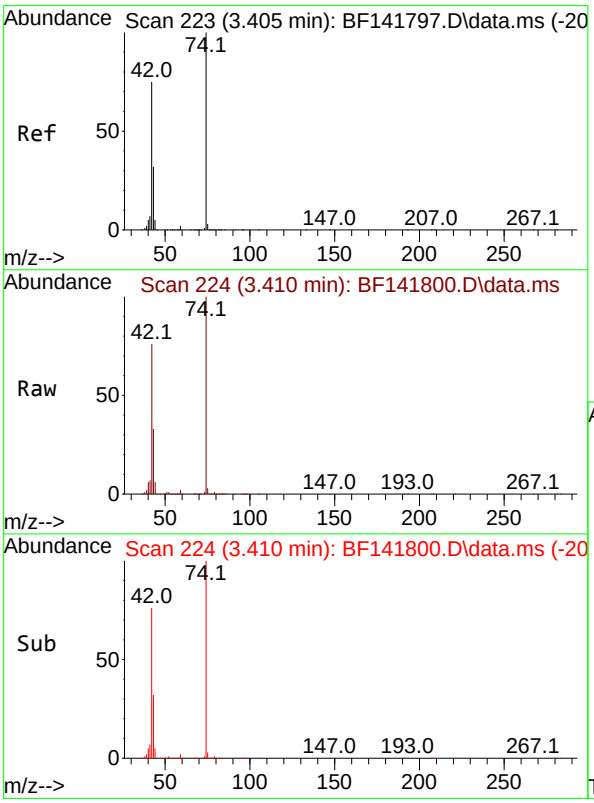
Ion	Ratio	Lower	Upper
79	100		
52	73.2	59.0	88.4
51	35.7	29.0	43.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

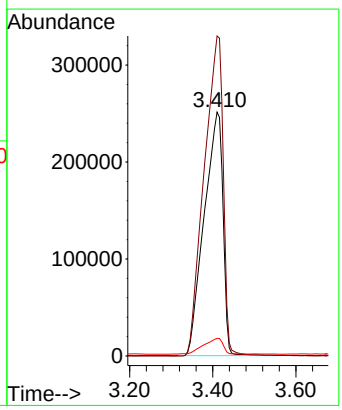
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

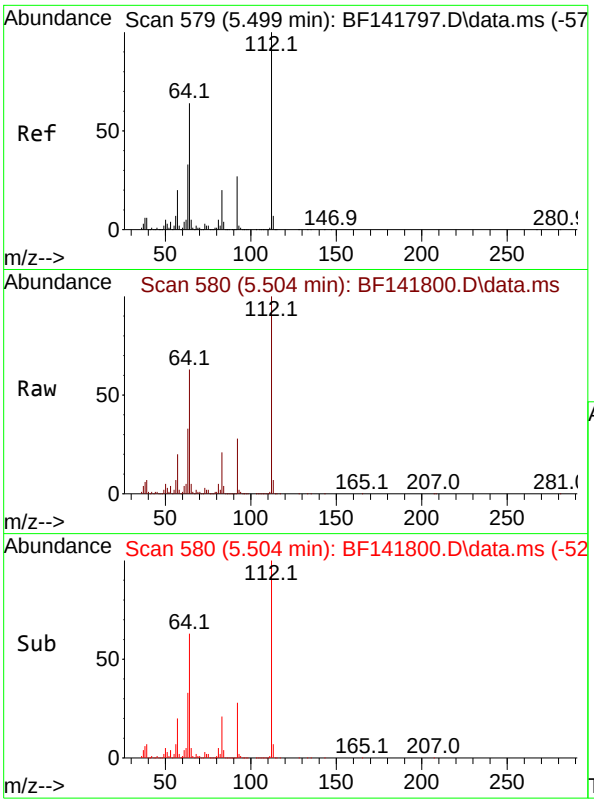


#4
n-Nitrosodimethylamine
Concen: 80.304 ng
RT: 3.410 min Scan# 224
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

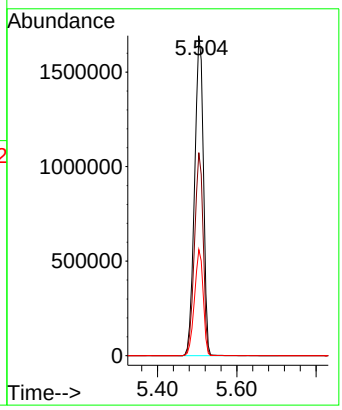
Tgt Ion:112 Resp: 261244

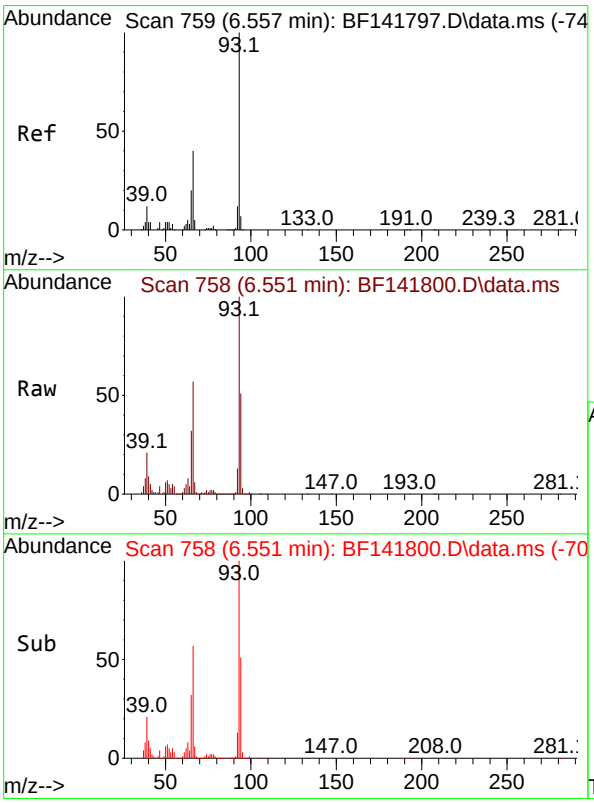
Ion	Ratio	Lower	Upper
112	100		
64	63.5	51.3	76.9
63	33.1	26.2	39.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

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

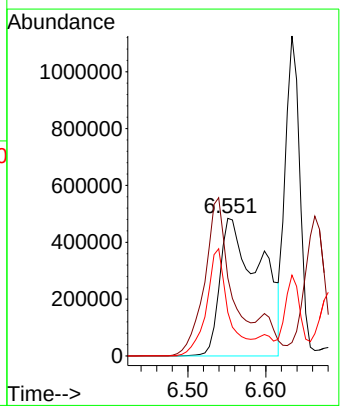


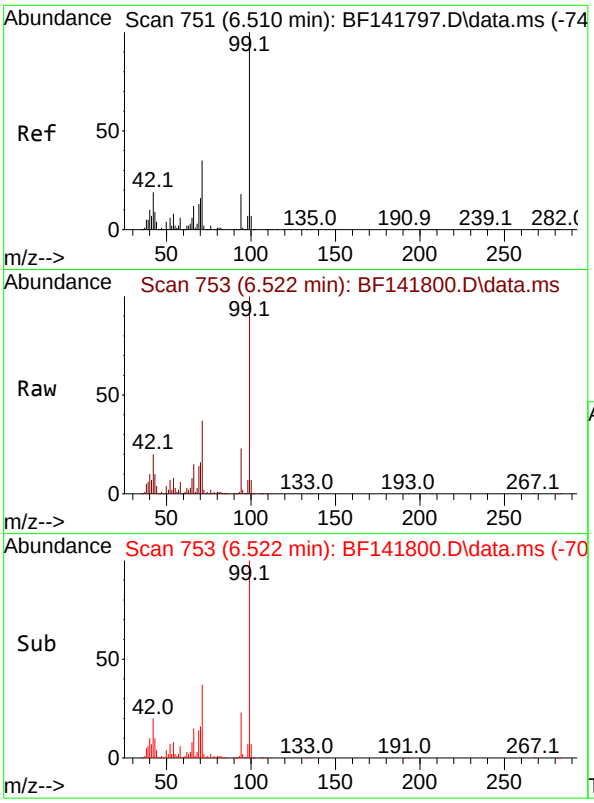


#6
Aniline
Concen: 71.624 ng m
RT: 6.551 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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#

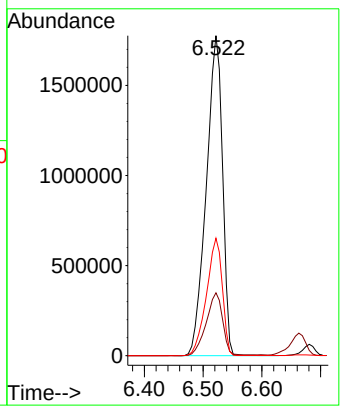




#7
Phenol-d6
Concen: 144.934 ng
RT: 6.522 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 99 Resp: 341177

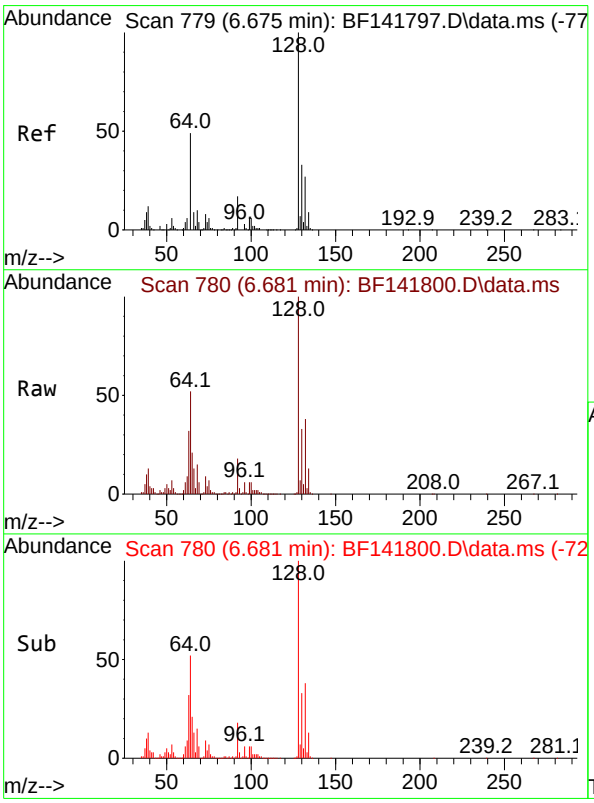
Ion	Ratio	Lower	Upper
99	100		
42	19.7	15.2	22.8
71	36.7	28.2	42.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

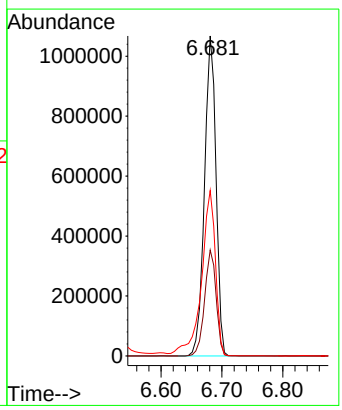
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

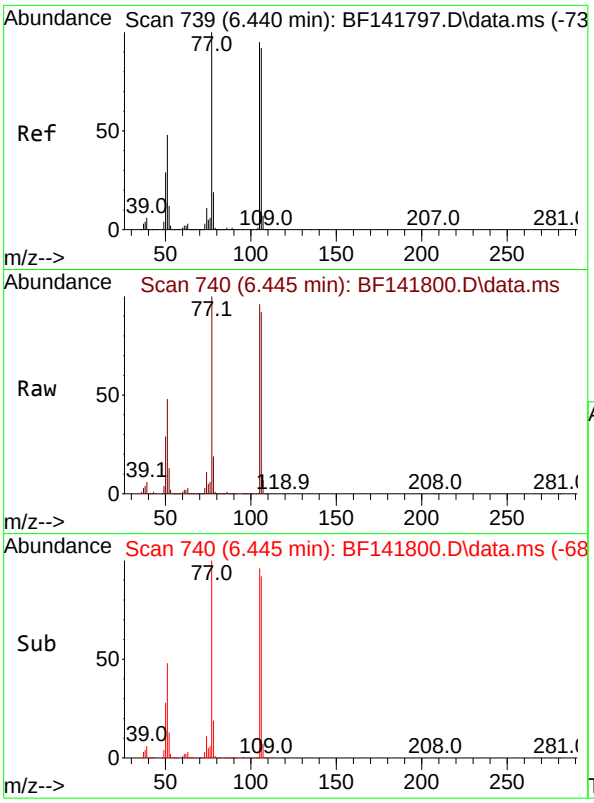


#8
2-Chlorophenol
Concen: 72.047 ng
RT: 6.681 min Scan# 780
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

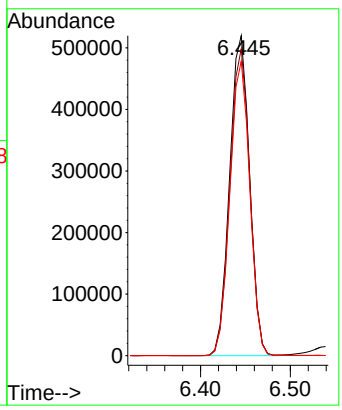




#9
Benzaldehyde
Concen: 58.556 ng
RT: 6.445 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 77 Resp: 80179

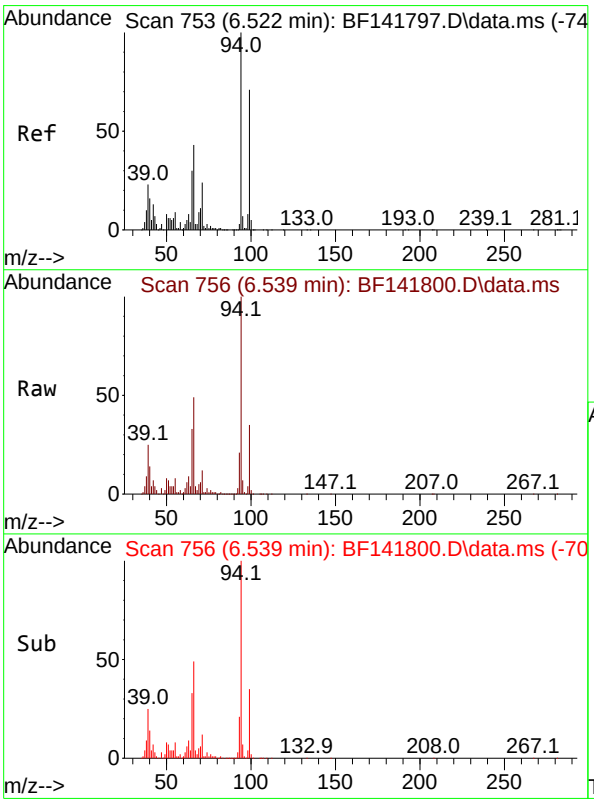
Ion	Ratio	Lower	Upper
77	100		
105	95.9	75.3	115.3
106	92.1	72.3	112.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

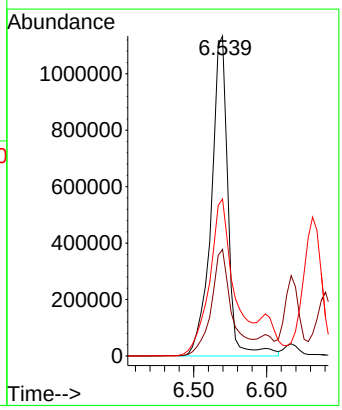
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

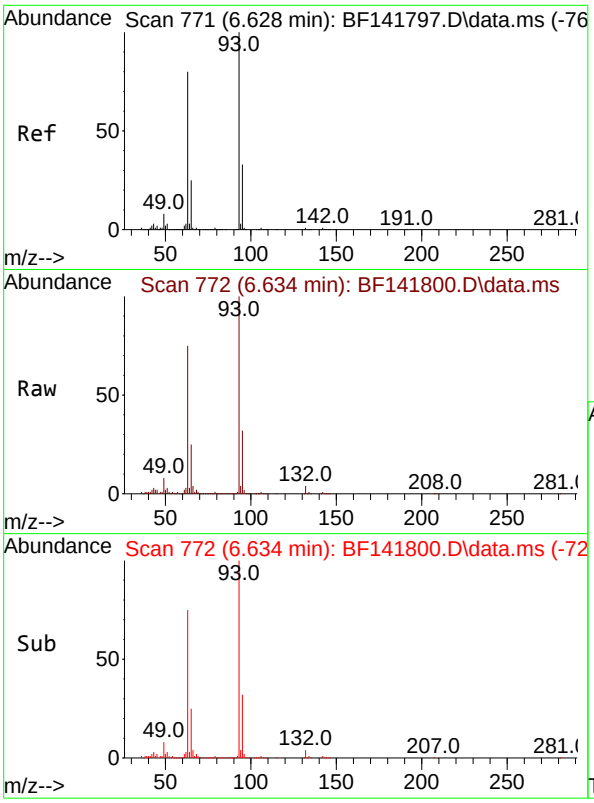


#10
Phenol
Concen: 72.063 ng m
RT: 6.539 min Scan# 756
Delta R.T. 0.017 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

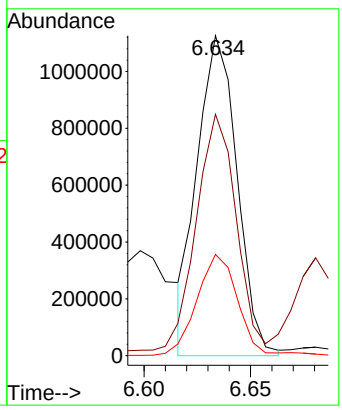




#11
bis(2-Chloroethyl)ether
Concen: 76.240 ng
RT: 6.634 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 93 Resp: 146186

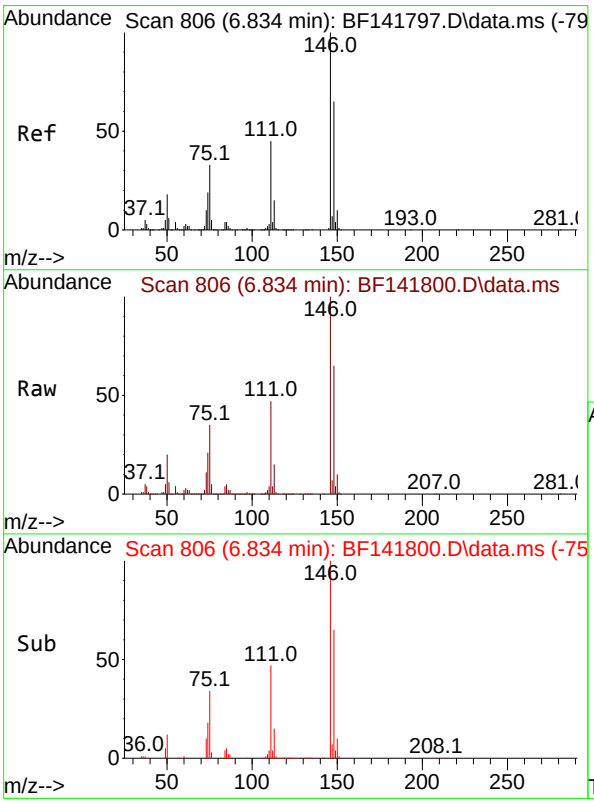
Ion	Ratio	Lower	Upper
93	100		
63	75.5	59.3	99.3
95	31.7	13.2	53.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

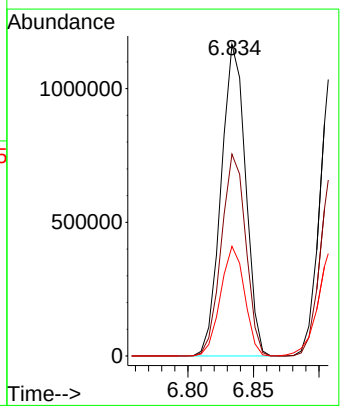
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

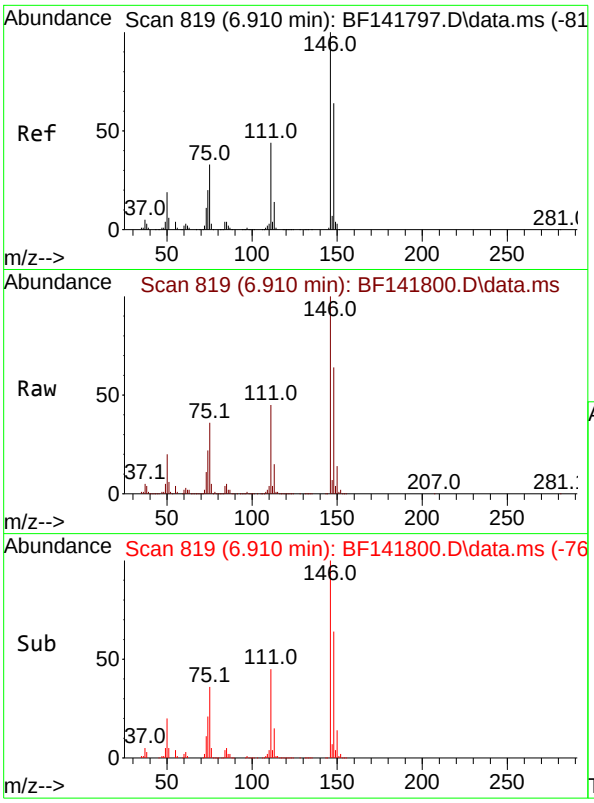


#12
1,3-Dichlorobenzene
Concen: 72.103 ng
RT: 6.834 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

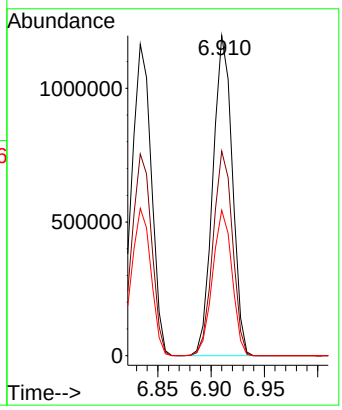




#13
1,4-Dichlorobenzene
Concen: 72.097 ng
RT: 6.910 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:146 Resp: 152204

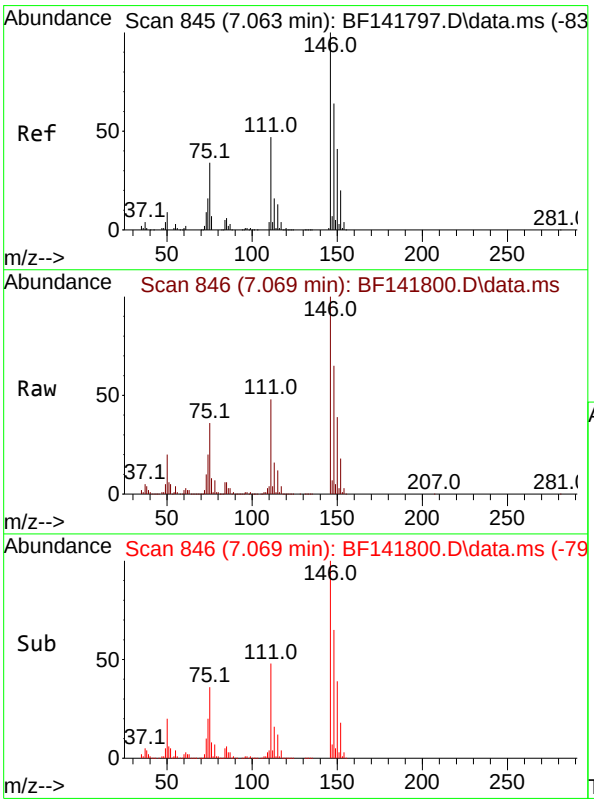
Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.4	77.2
111	45.5	35.5	53.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

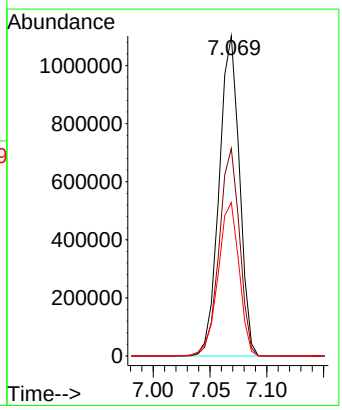
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

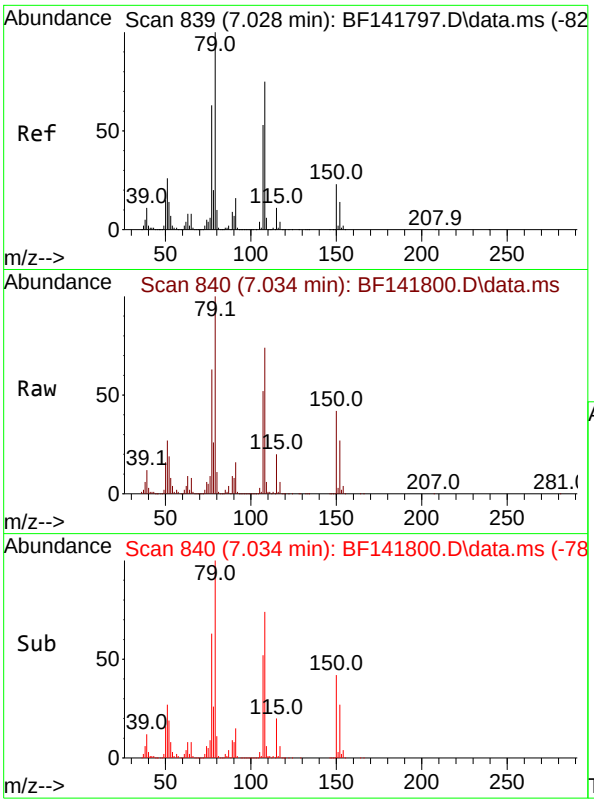


#14
1,2-Dichlorobenzene
Concen: 69.519 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

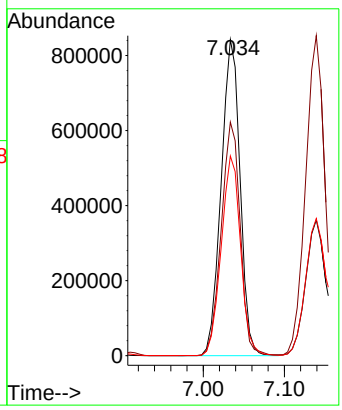
Tgt Ion: 79 Resp: 136309

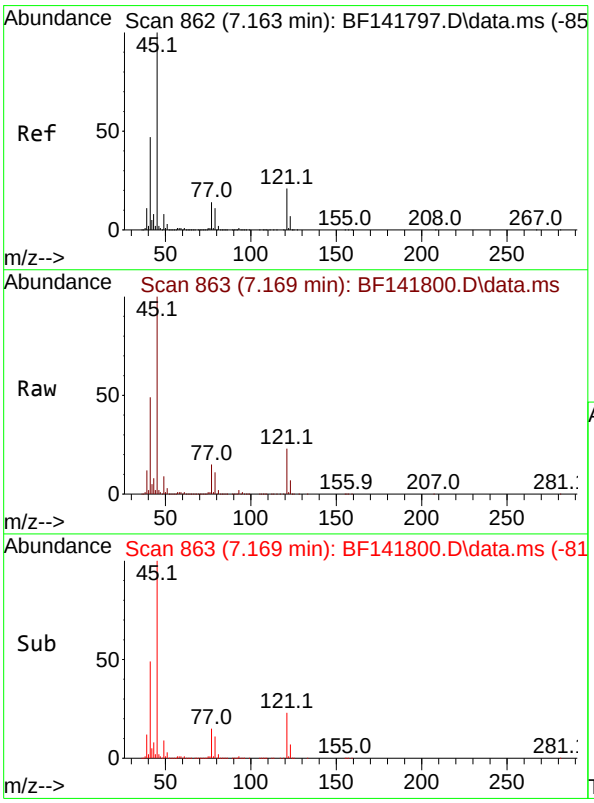
Ion	Ratio	Lower	Upper
79	100		
108	73.9	60.2	90.2
77	63.2	50.2	75.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

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

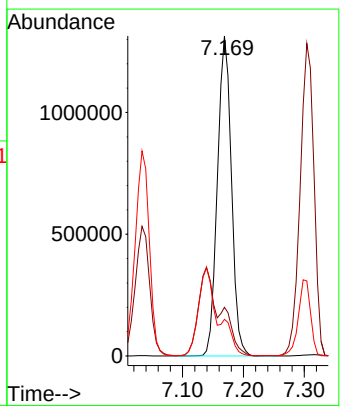


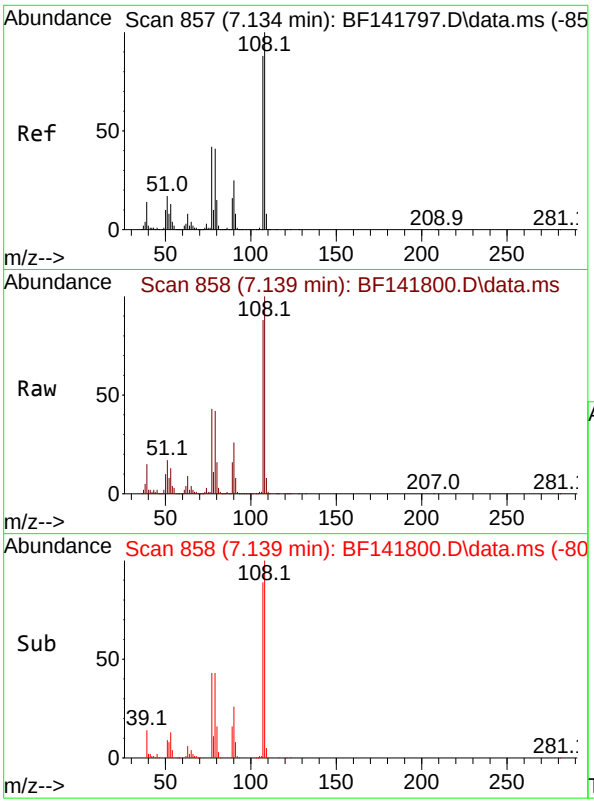


#16
2,2'-oxybis(1-Chloropropane)
Concen: 71.973 ng
RT: 7.169 min Scan# 863
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

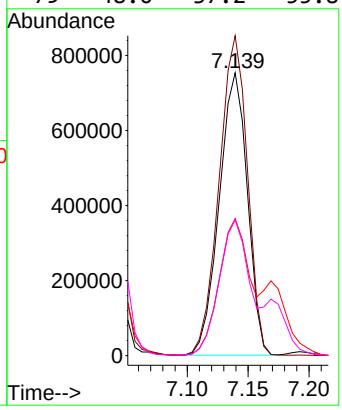




#17
2-Methylphenol
Concen: 75.016 ng
RT: 7.139 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:107 Resp: 121143

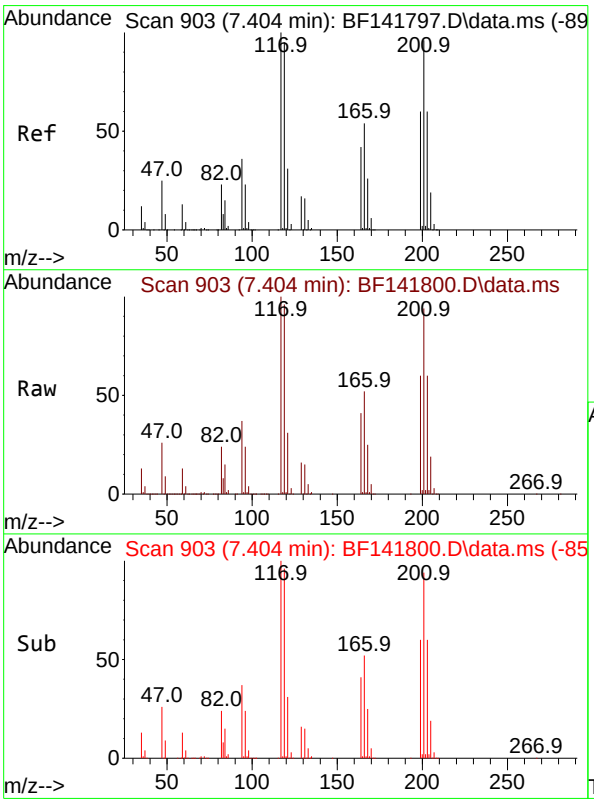
Ion	Ratio	Lower	Upper
107	100		
108	113.1	90.6	135.8
77	48.5	37.7	56.5
79	48.0	37.2	55.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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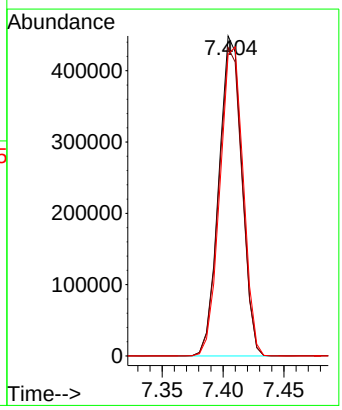
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

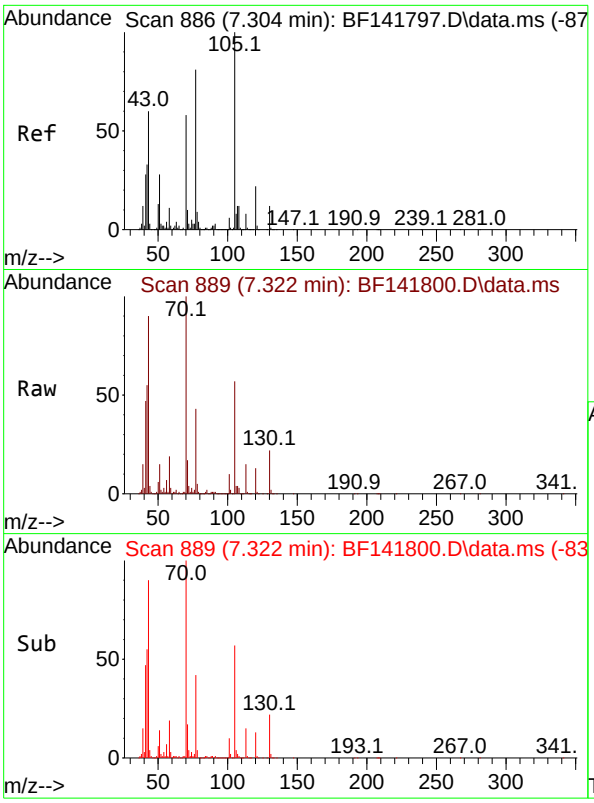


#18
Hexachloroethane
Concen: 75.056 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

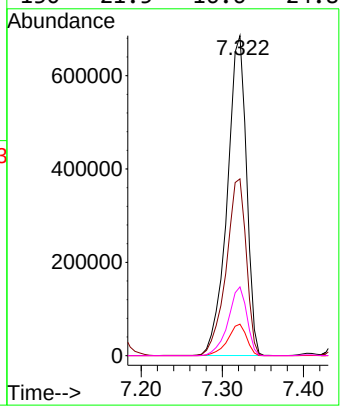




#19
n-Nitroso-di-n-propylamine
Concen: 72.793 ng
RT: 7.322 min Scan# 8
Delta R.T. 0.017 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 70 Resp: 112642

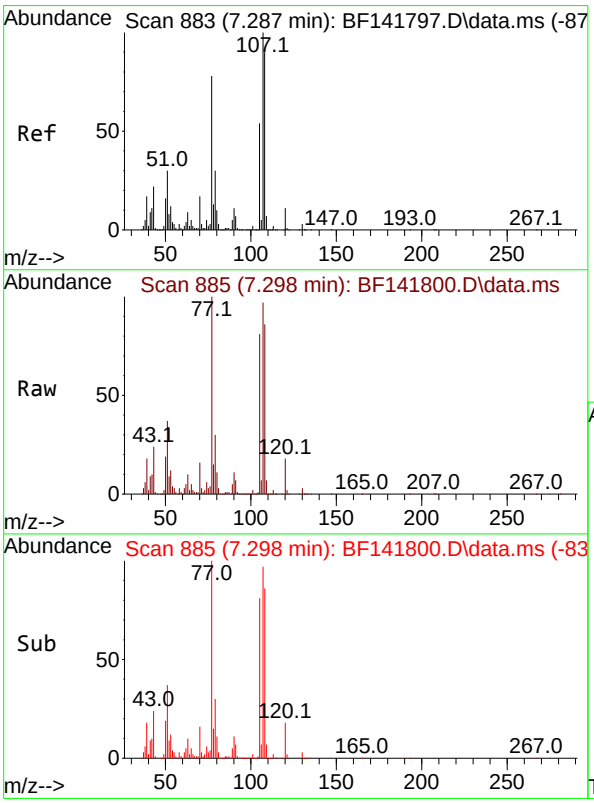
Ion	Ratio	Lower	Upper
70	100		
42	55.3	45.4	68.0
101	9.8	7.8	11.8
130	21.5	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

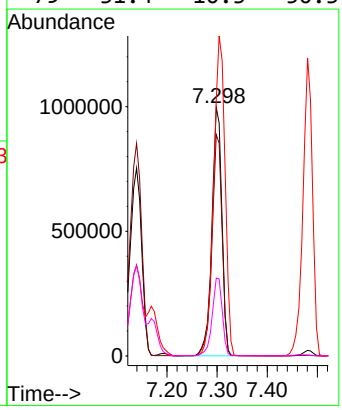
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

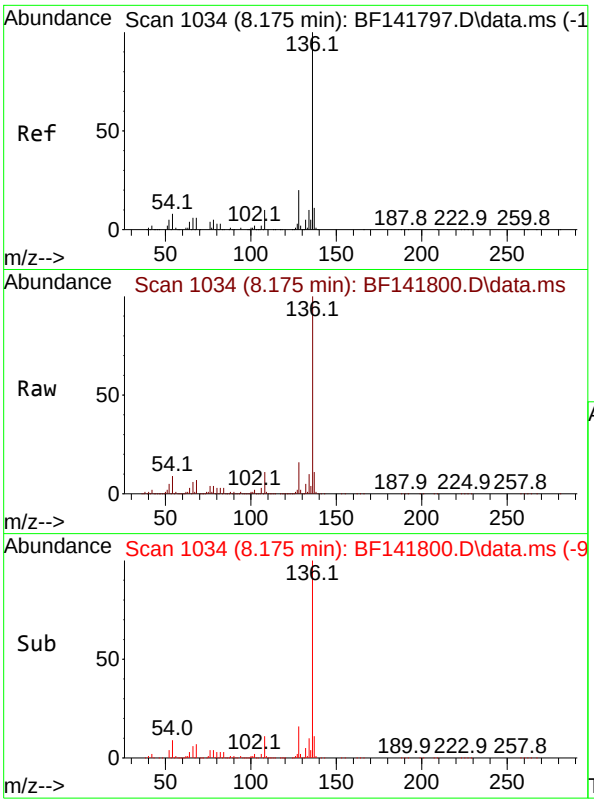


#20
3+4-Methylphenols
Concen: 68.816 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

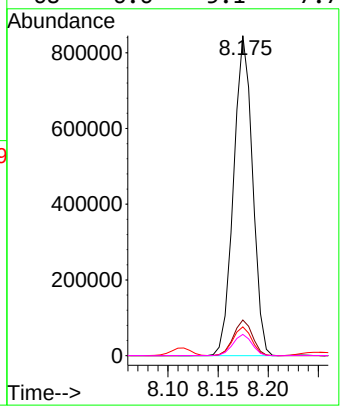




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:136 Resp: 111493

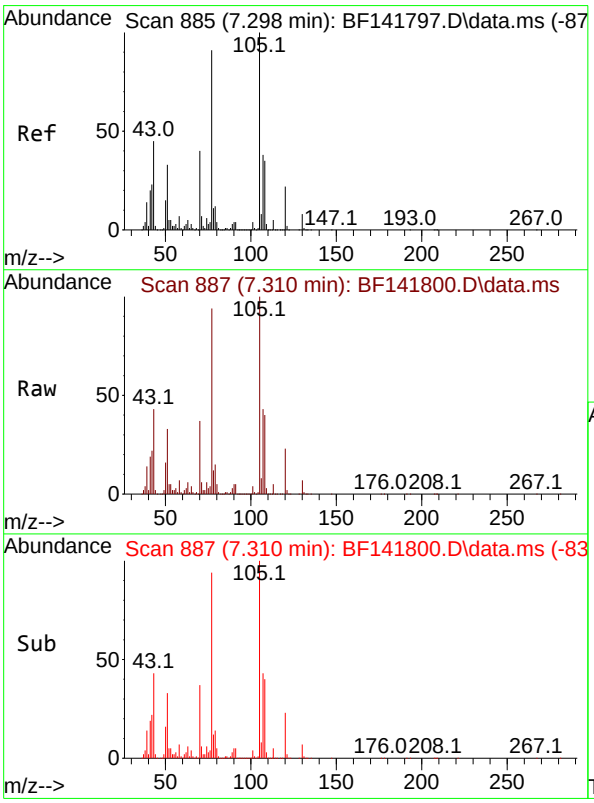
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	9.0	6.9	10.3
68	6.6	5.1	7.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

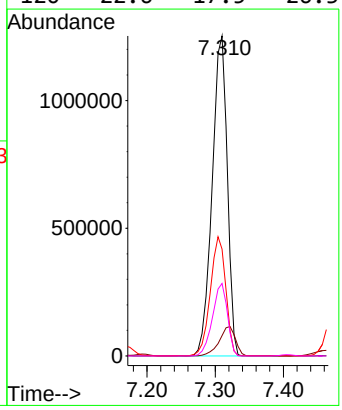
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

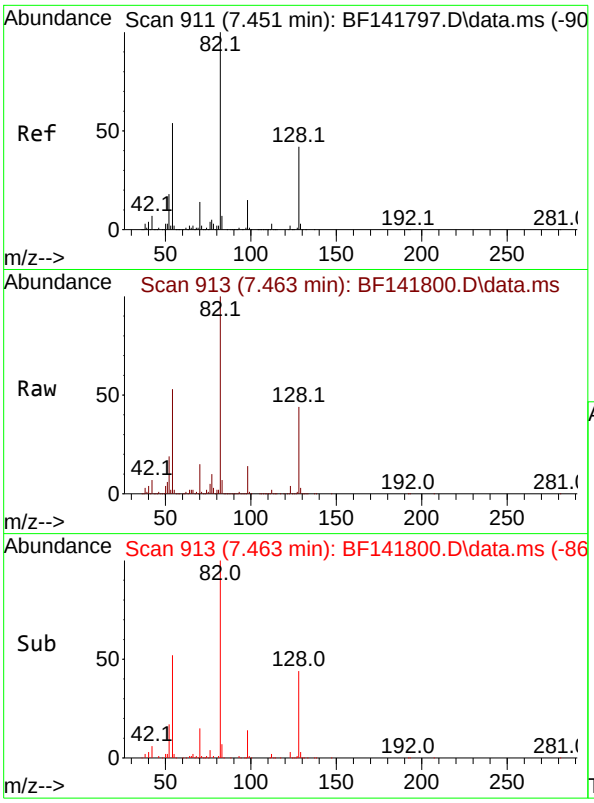


#22
Acetophenone
Concen: 71.209 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

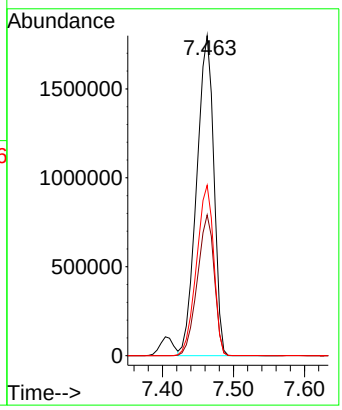




#23
Nitrobenzene-d5
Concen: 173.576 ng
RT: 7.463 min Scan# 9
Delta R.T. 0.011 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 82 Resp: 302761

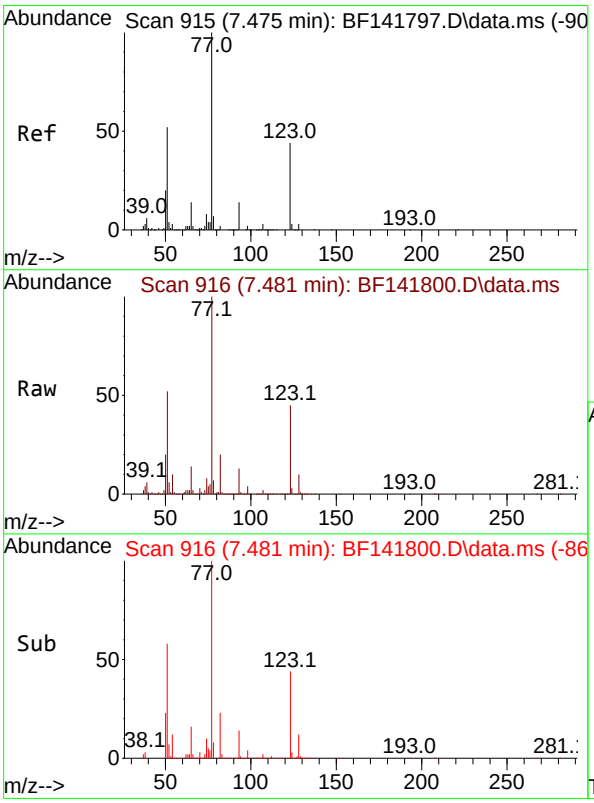
Ion	Ratio	Lower	Upper
82	100		
128	44.0	33.5	50.3
54	53.3	42.7	64.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

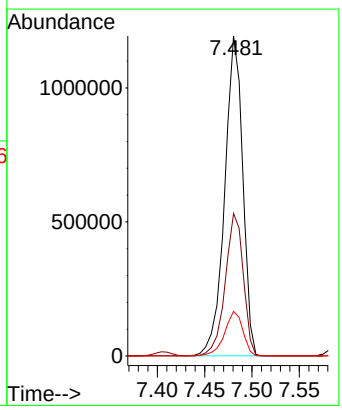
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

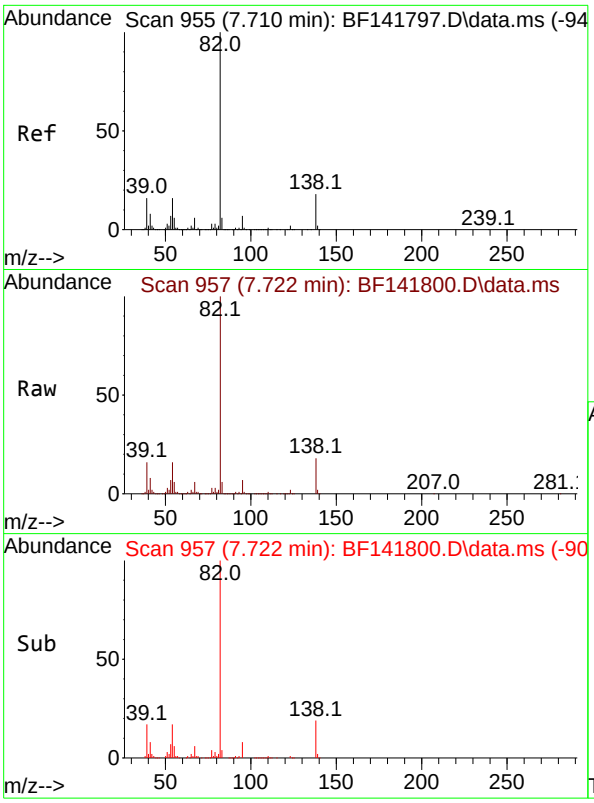


#24
Nitrobenzene
Concen: 84.587 ng
RT: 7.481 min Scan# 916
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

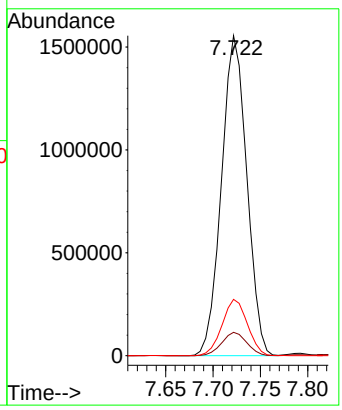




#25
Isophorone
Concen: 77.230 ng
RT: 7.722 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 82 Resp: 289404

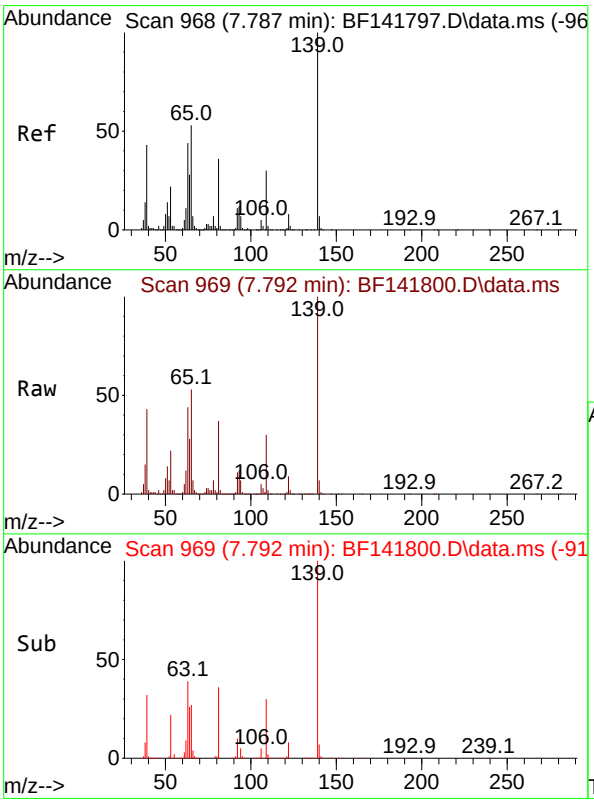
Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	17.6	14.0	21.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

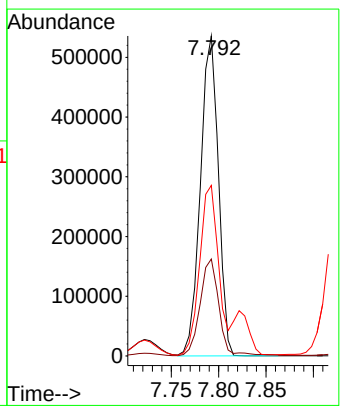
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

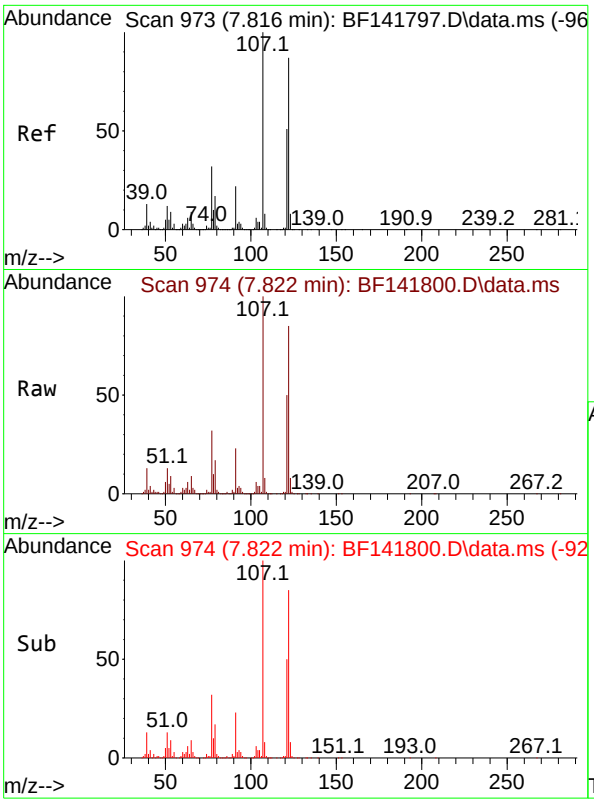


#26
2-Nitrophenol
Concen: 81.046 ng
RT: 7.792 min Scan# 969
Delta R.T. 0.005 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

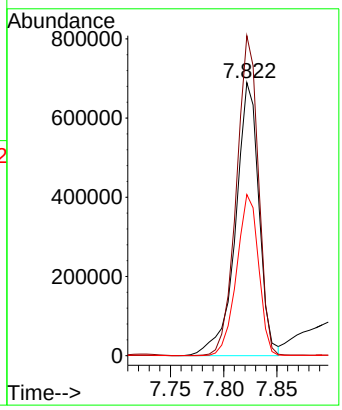




#27
2,4-Dimethylphenol
Concen: 76.304 ng
RT: 7.822 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:122 Resp: 105107

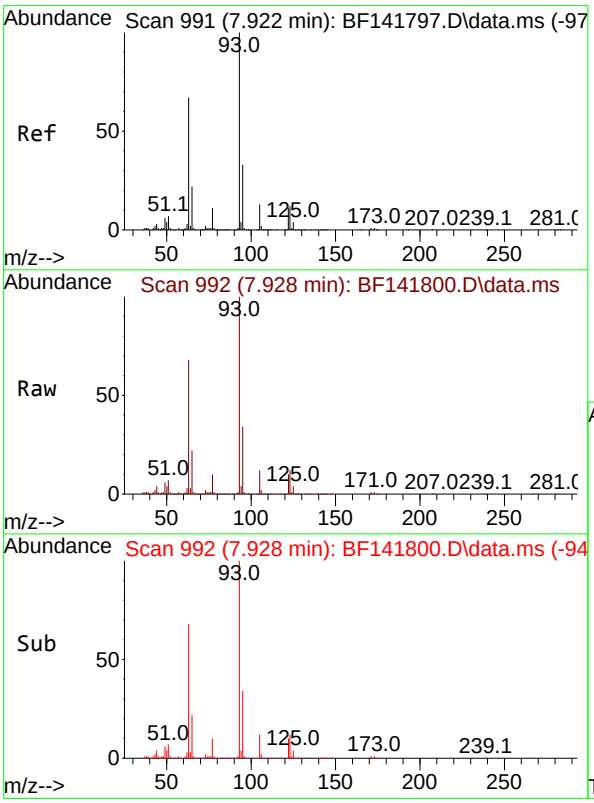
Ion	Ratio	Lower	Upper
122	100		
107	117.2	92.5	138.7
121	59.0	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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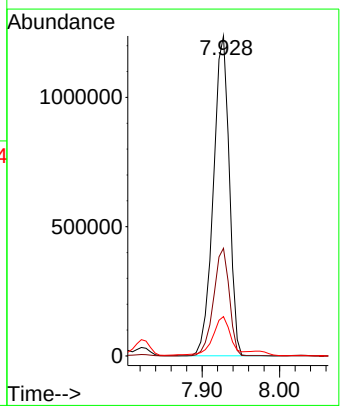
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

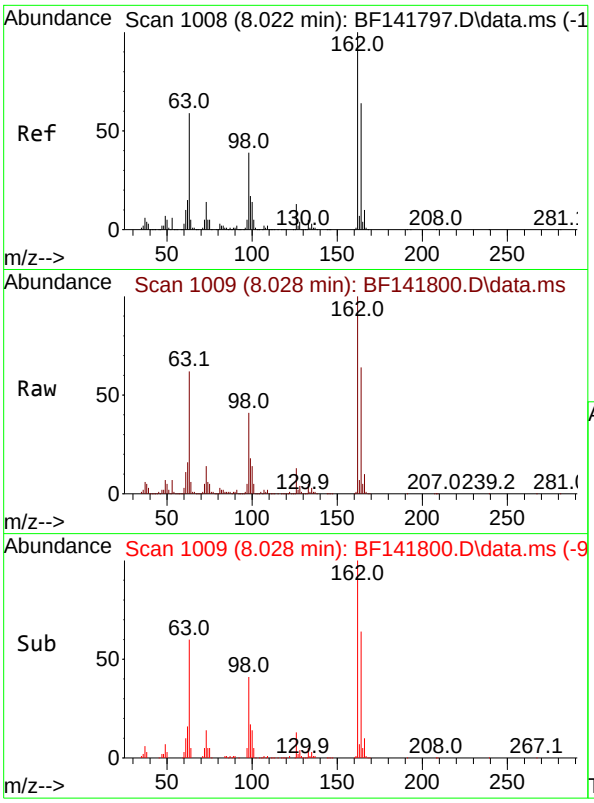


#28
bis(2-Chloroethoxy)methane
Concen: 73.596 ng
RT: 7.928 min Scan# 992
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

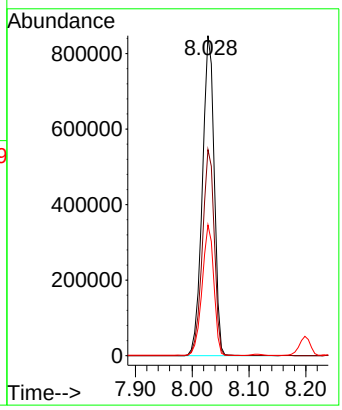
Tgt Ion:162 Resp: 122740

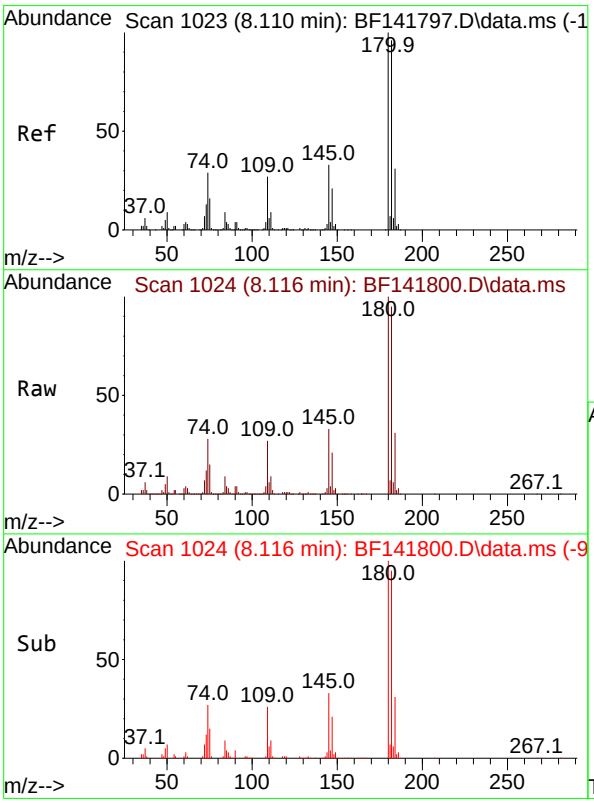
Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.3	84.3
98	40.8	19.6	59.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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

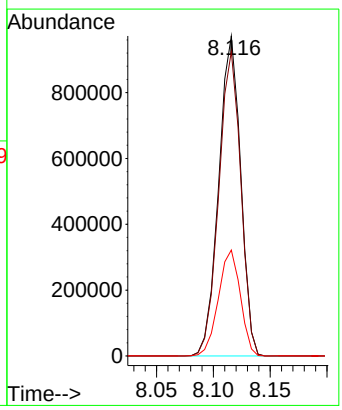


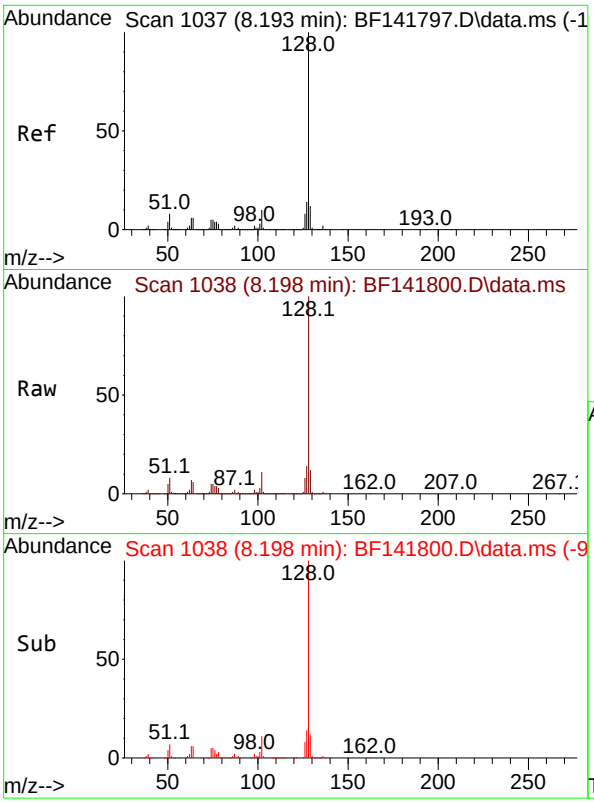


#30
1,2,4-Trichlorobenzene
Concen: 74.888 ng
RT: 8.116 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

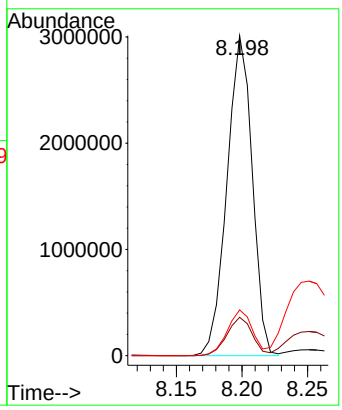
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

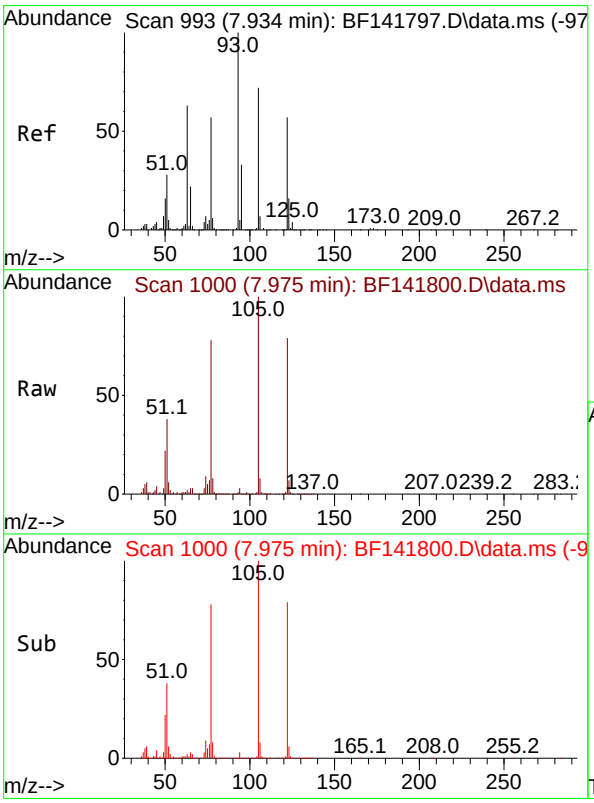
Tgt Ion:128 Resp: 404011

Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.2	13.8
127	14.3	11.0	16.4

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

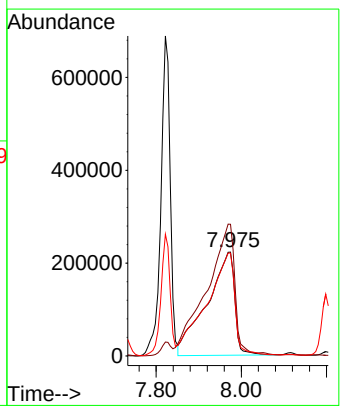


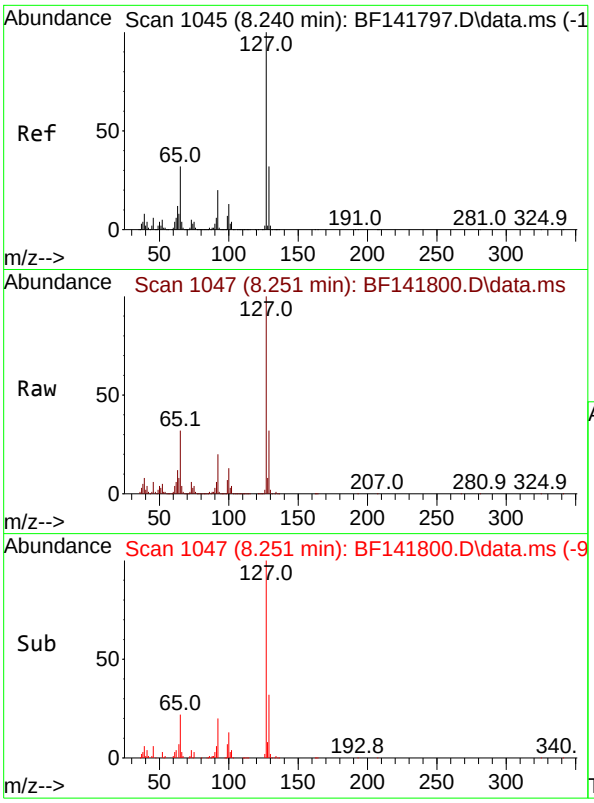


#32
Benzoic acid
Concen: 81.363 ng
RT: 7.975 min Scan# 1000
Delta R.T. 0.041 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

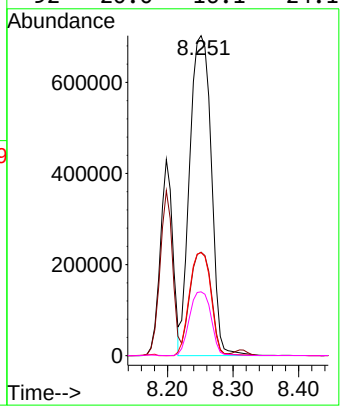




#33
4-Chloroaniline
Concen: 76.489 ng
RT: 8.251 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:127 Resp: 160709

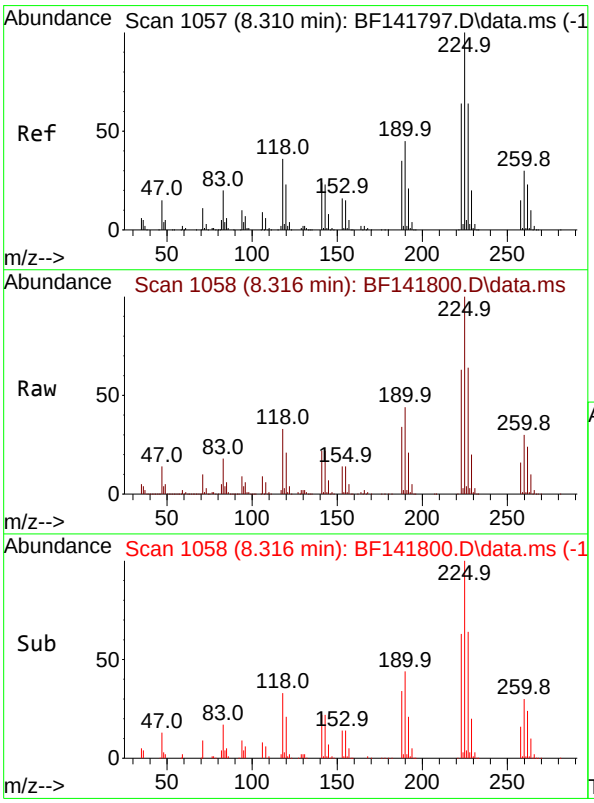
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.1	39.1
65	32.2	25.7	38.5
92	20.0	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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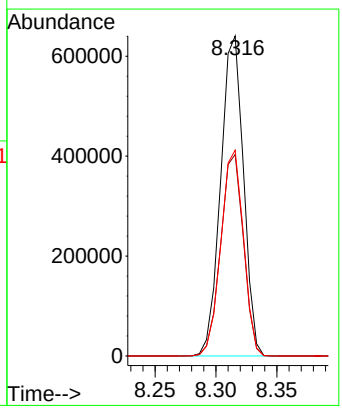
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

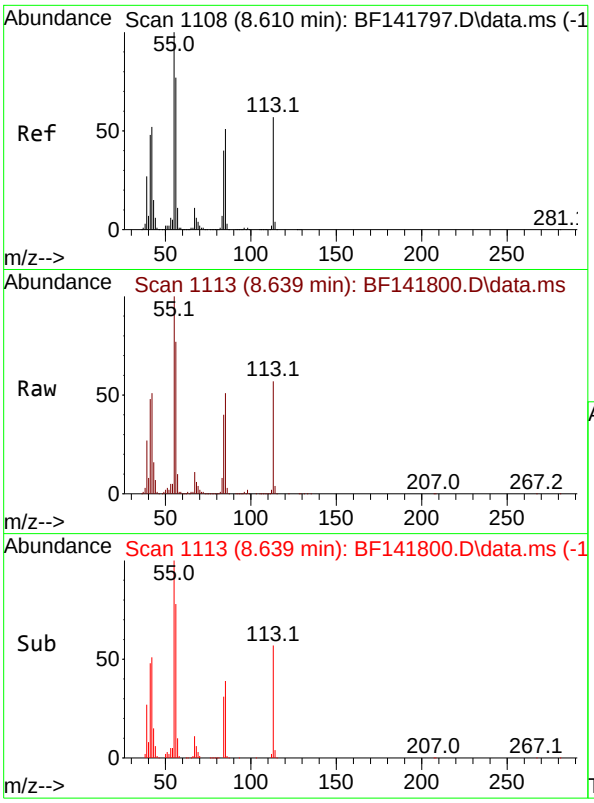


#34
Hexachlorobutadiene
Concen: 77.265 ng
RT: 8.316 min Scan# 1058
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

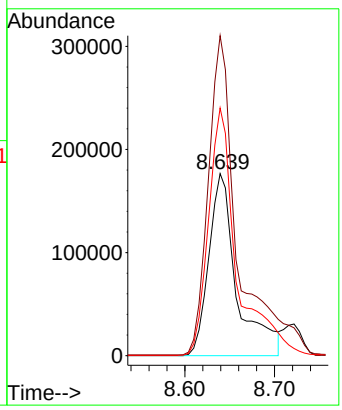
Tgt Ion:113 Resp: 38314

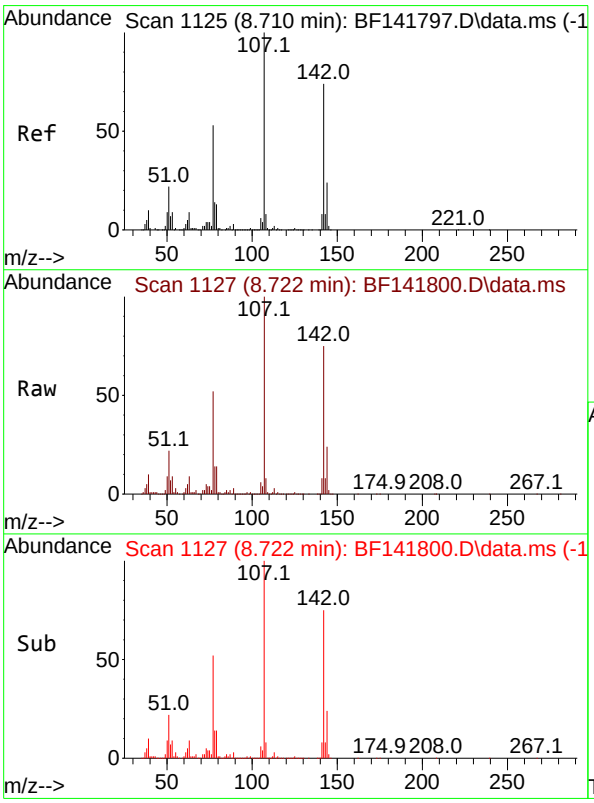
Ion	Ratio	Lower	Upper
113	100		
55	175.7	155.6	195.6
56	136.0	114.6	154.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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

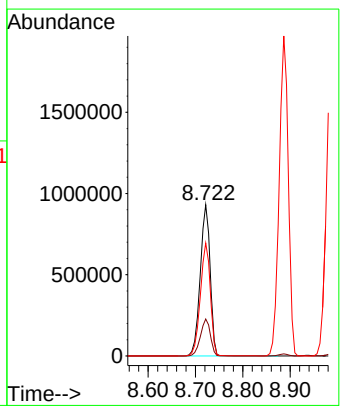


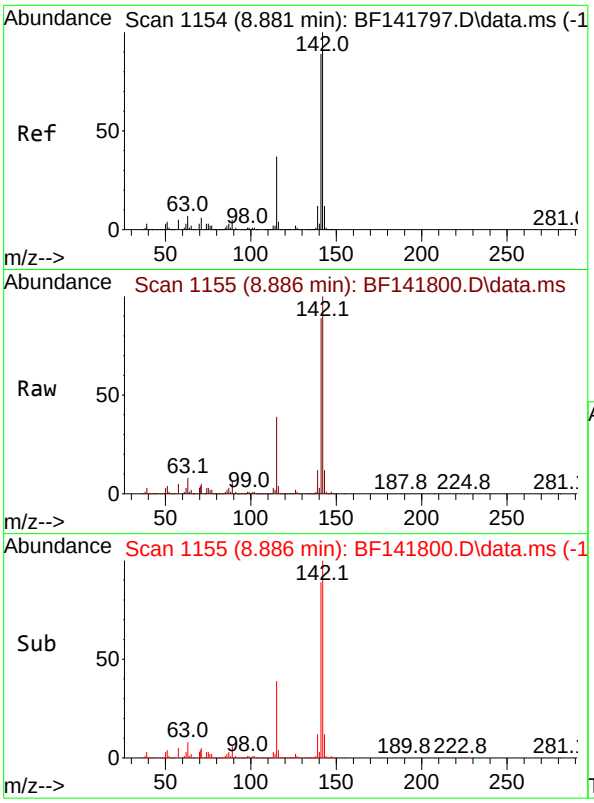


#36
4-Chloro-3-methylphenol
Concen: 76.431 ng
RT: 8.722 min Scan# 1127
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

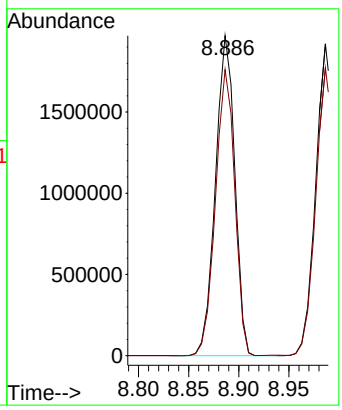




#37
2-Methylnaphthalene
Concen: 70.167 ng
RT: 8.886 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:142 Resp: 263730

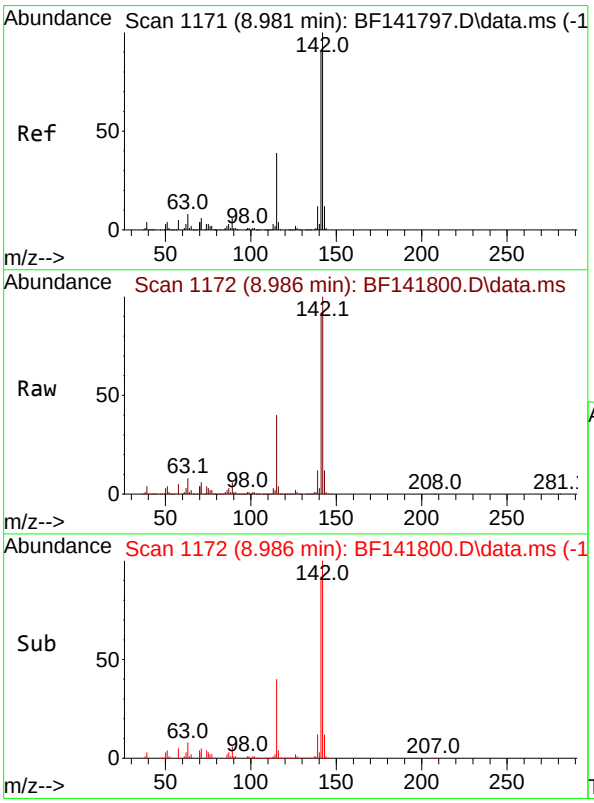
Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.1	106.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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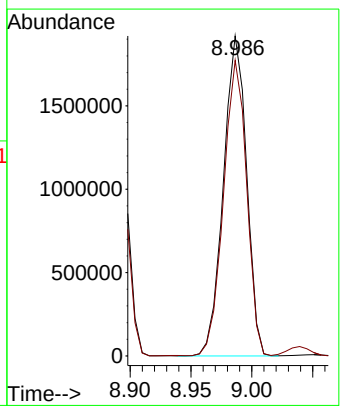
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

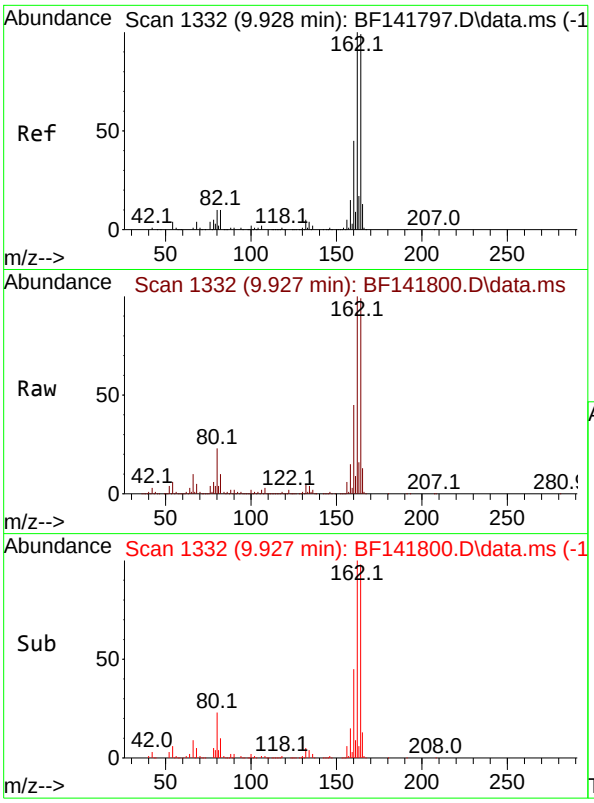


#38
1-Methylnaphthalene
Concen: 70.457 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:142 Resp: 2541019

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.1	109.7

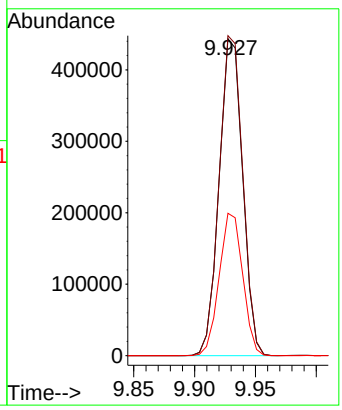




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:164 Resp: 59668

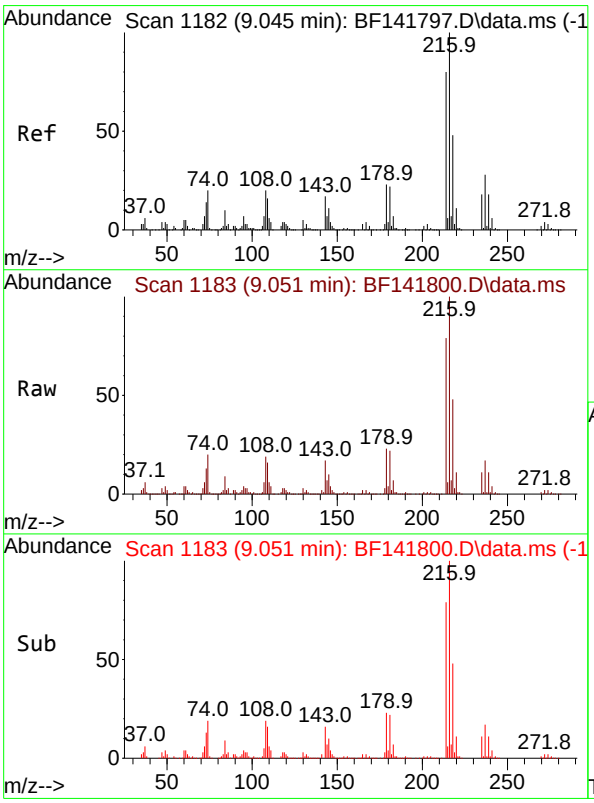
Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.6	120.8
160	44.9	36.3	54.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

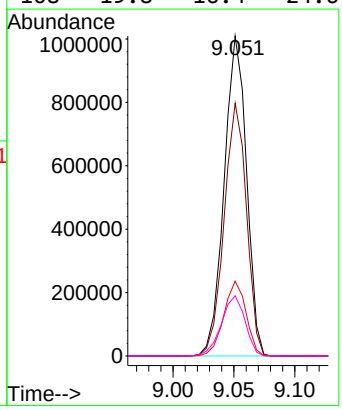
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

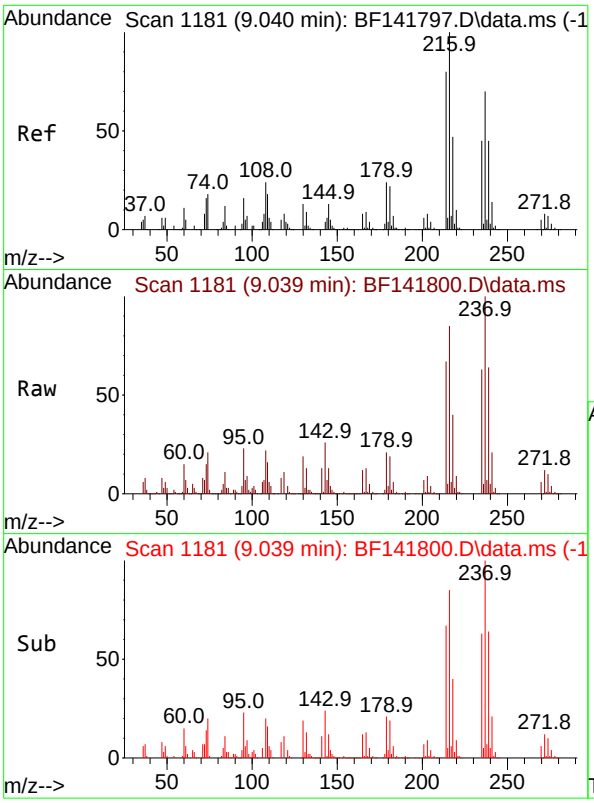


#40
1,2,4,5-Tetrachlorobenzene
Concen: 74.773 ng
RT: 9.051 min Scan# 1183
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

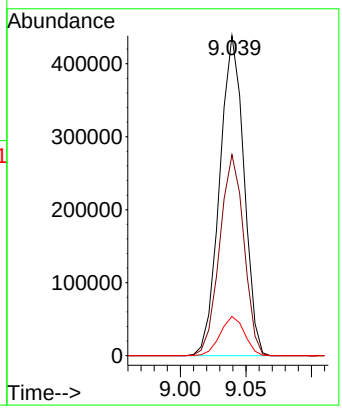
Tgt Ion:237 Resp: 56426

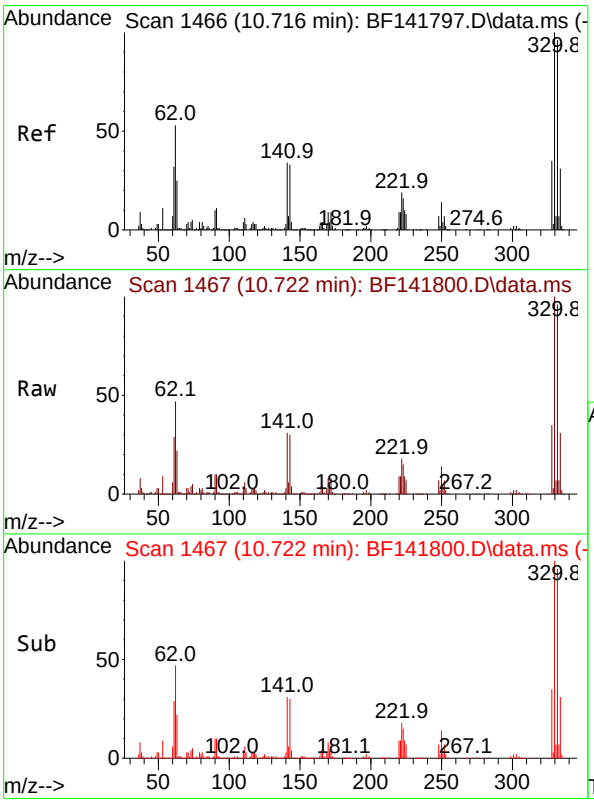
Ion	Ratio	Lower	Upper
237	100		
235	62.8	43.3	83.3
272	12.3	0.0	31.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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

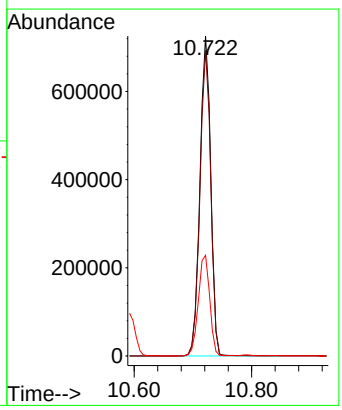


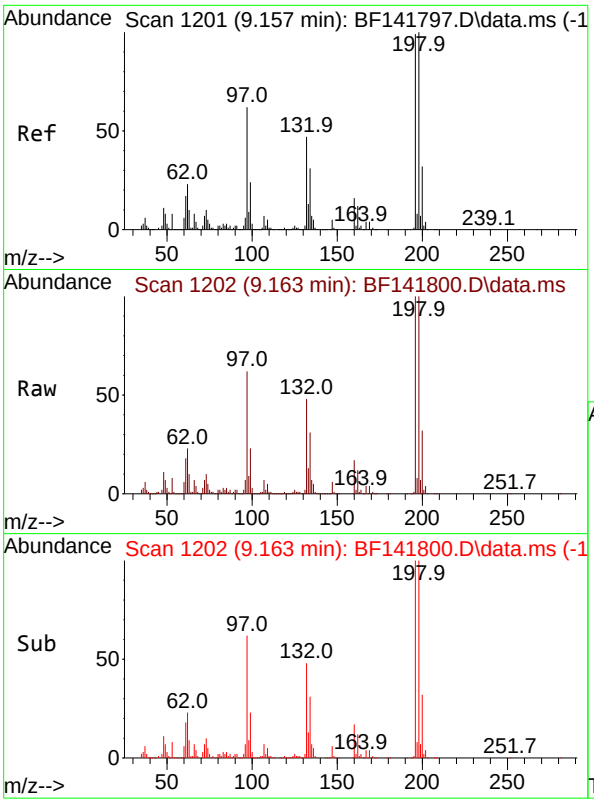


#42
2,4,6-Tribromophenol
Concen: 164.969 ng
RT: 10.722 min Scan# 1467
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

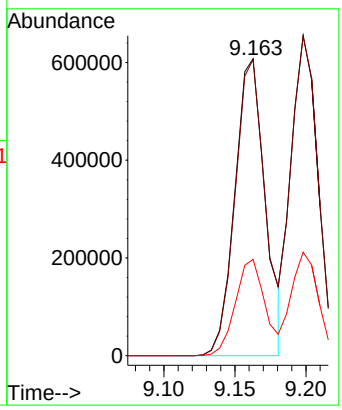




#43
2,4,6-Trichlorophenol
Concen: 80.742 ng
RT: 9.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:196 Resp: 89879

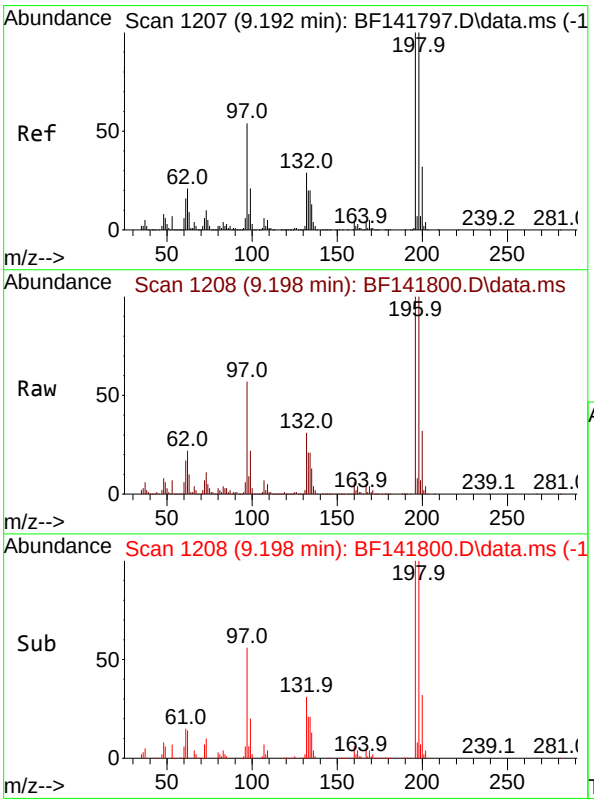
Ion	Ratio	Lower	Upper
196	100		
198	99.7	80.4	120.6
200	32.4	25.7	38.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

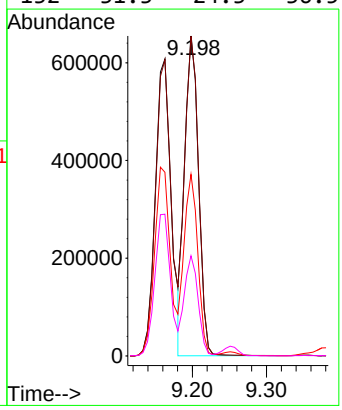
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

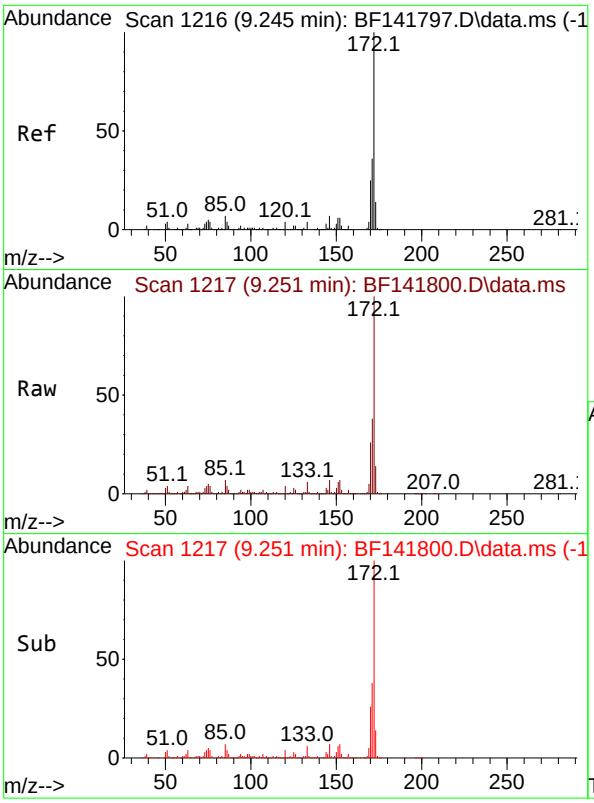


#44
2,4,5-Trichlorophenol
Concen: 77.984 ng
RT: 9.198 min Scan# 1208
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

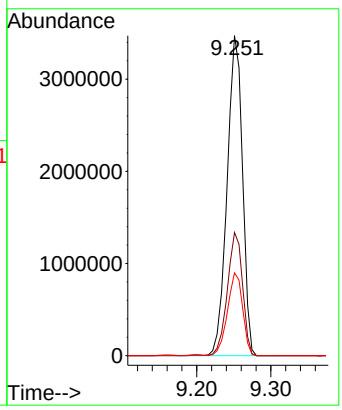




#45
2-Fluorobiphenyl
Concen: 134.541 ng
RT: 9.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:172 Resp: 500660

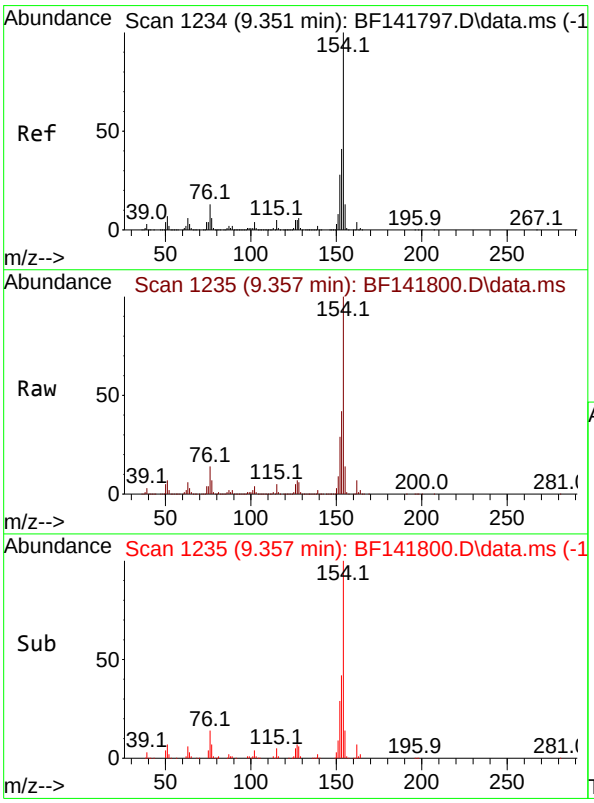
Ion	Ratio	Lower	Upper
172	100		
171	38.5	29.2	43.8
170	25.9	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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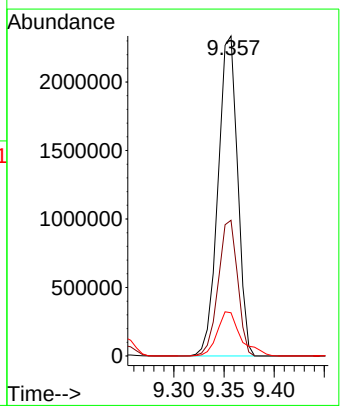
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

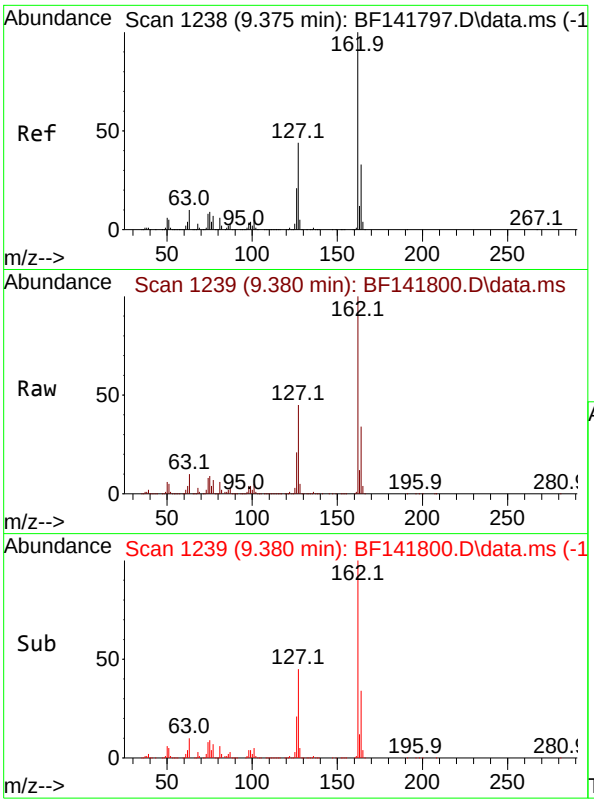


#46
1,1'-Biphenyl
Concen: 69.499 ng
RT: 9.357 min Scan# 1235
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

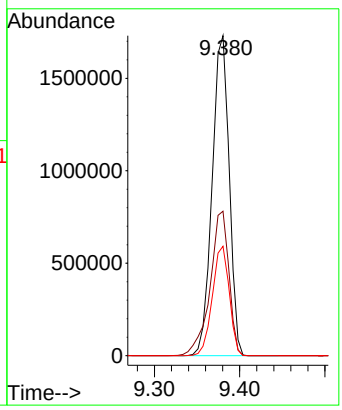




#47
2-Chloronaphthalene
Concen: 71.641 ng
RT: 9.380 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:162 Resp: 240146

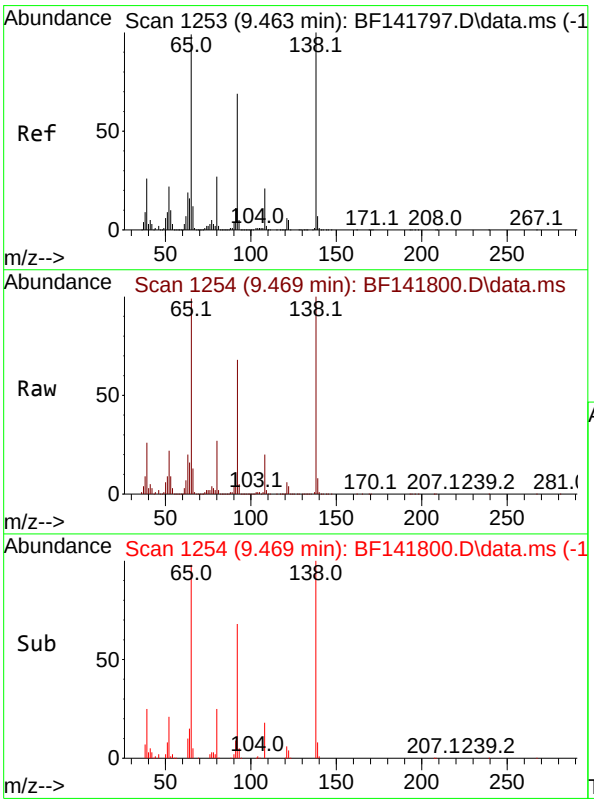
Ion	Ratio	Lower	Upper
162	100		
127	45.2	35.0	52.6
164	34.2	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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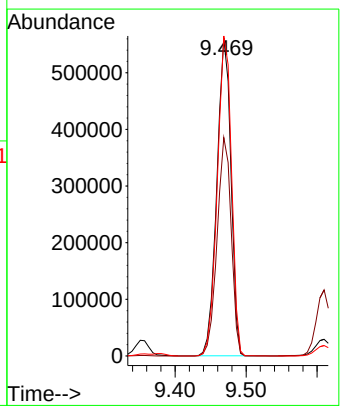
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

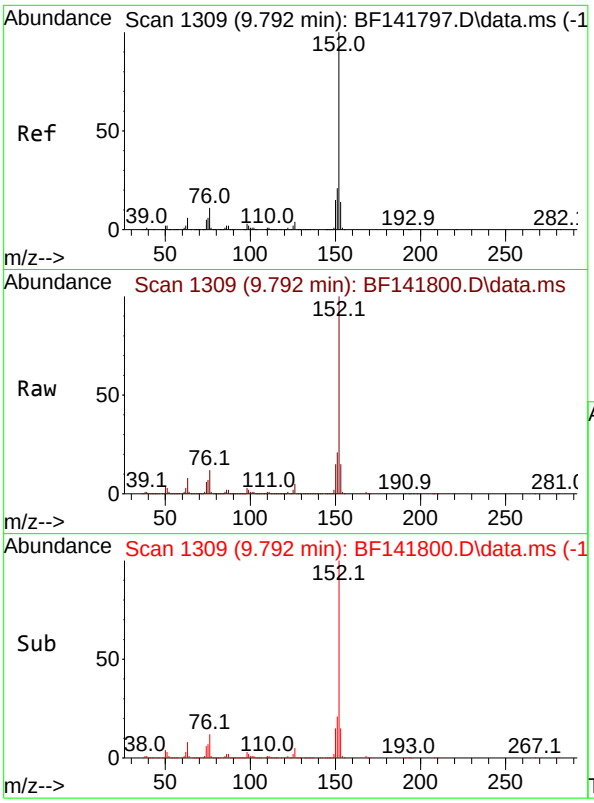


#48
2-Nitroaniline
Concen: 80.727 ng
RT: 9.469 min Scan# 1254
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

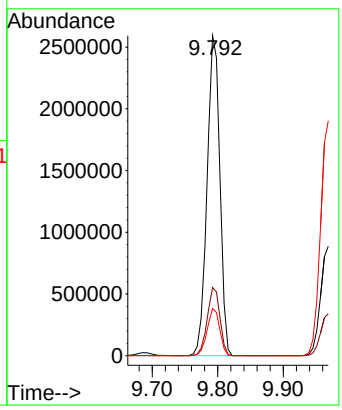




#49
Acenaphthylene
Concen: 69.880 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:152 Resp: 351207

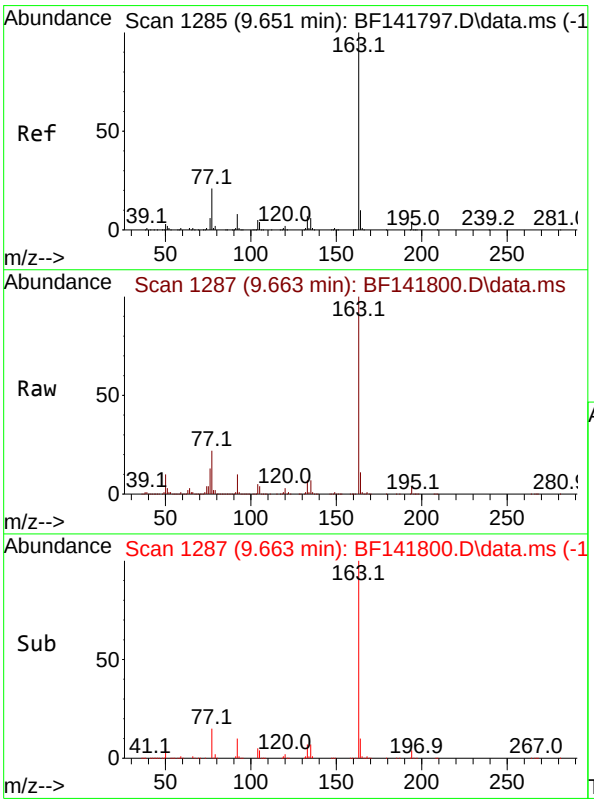
Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.6	24.8
153	14.7	11.2	16.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

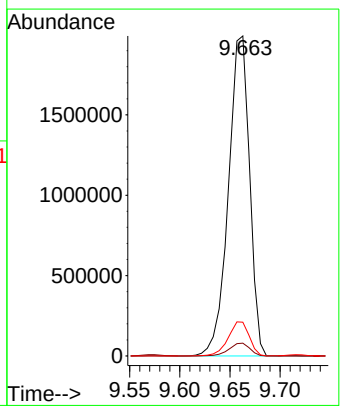
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

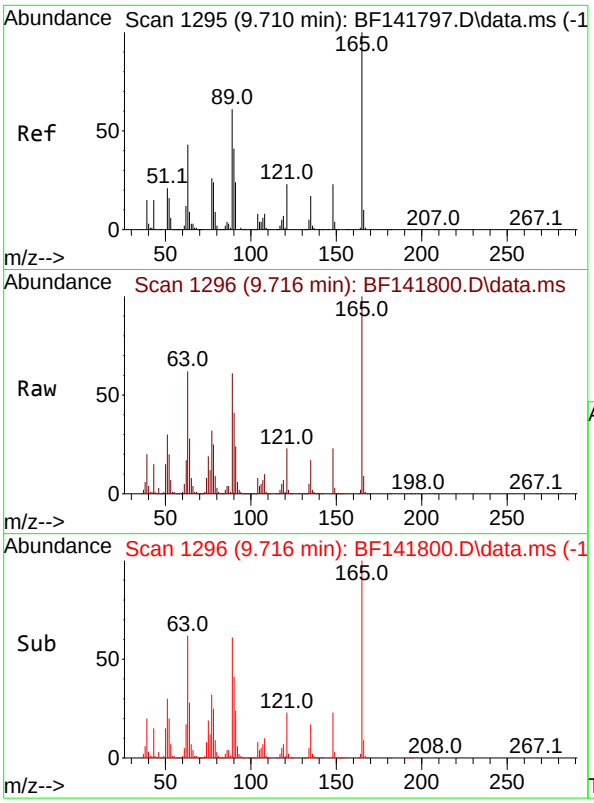


#50
Dimethylphthalate
Concen: 73.107 ng
RT: 9.663 min Scan# 1287
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

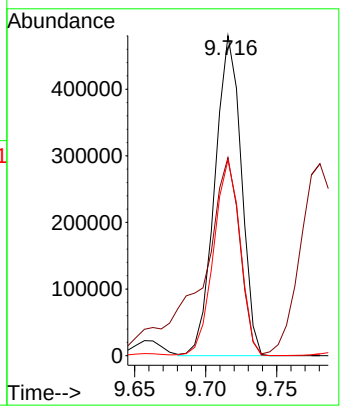
Tgt Ion:165 Resp: 62262

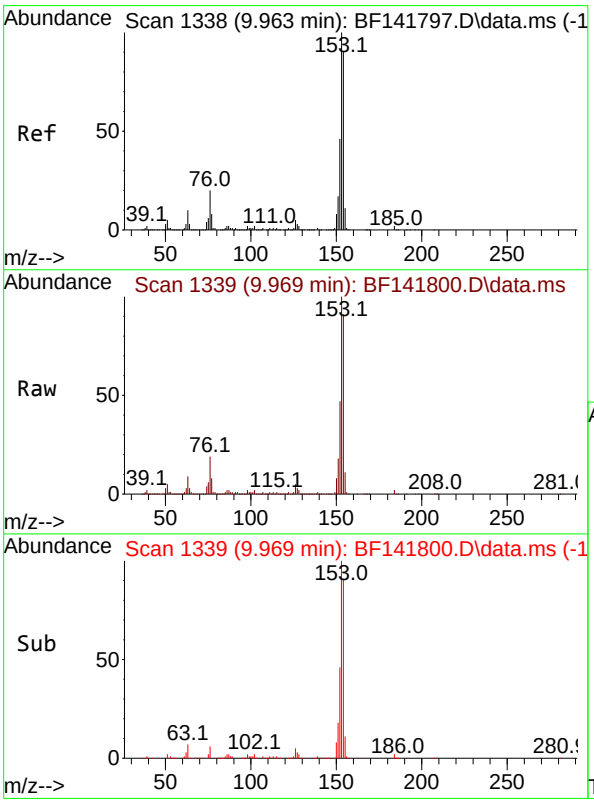
Ion	Ratio	Lower	Upper
165	100		
63	61.9	49.5	74.3
89	61.1	49.0	73.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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

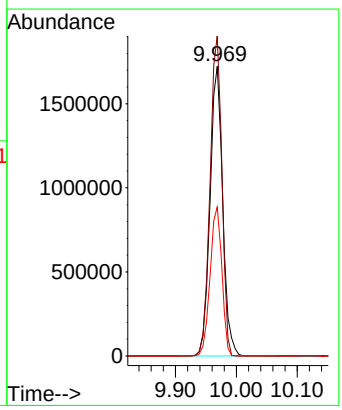


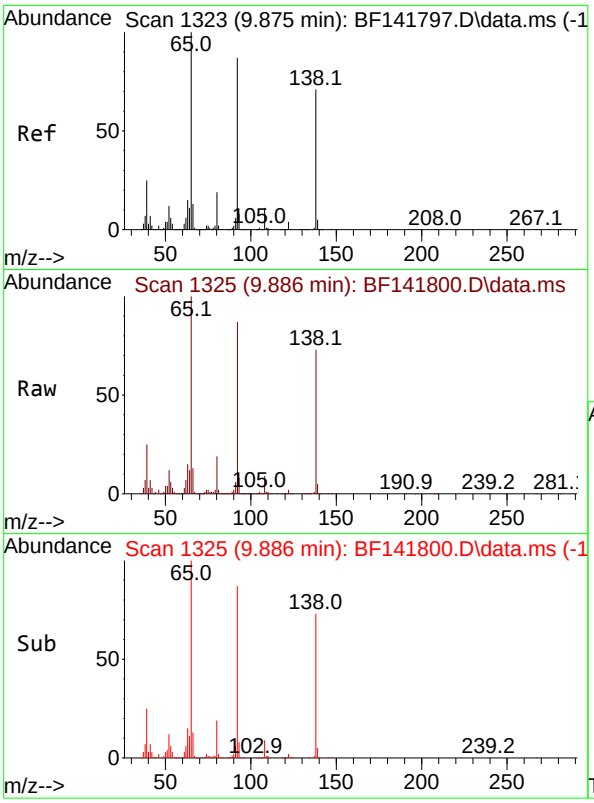


#52
Acenaphthene
Concen: 73.139 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

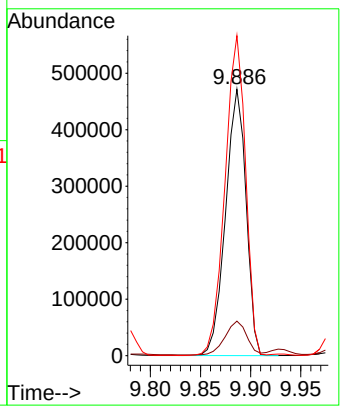
Tgt Ion:138 Resp: 66711

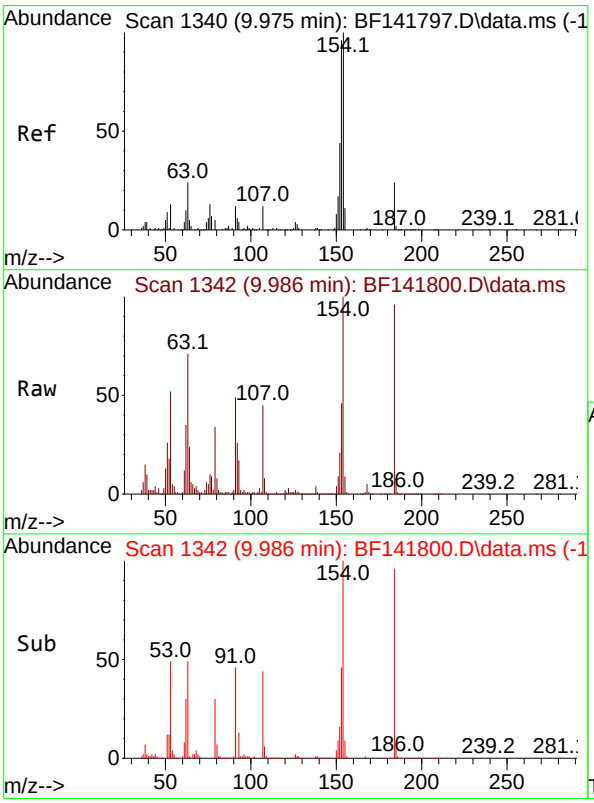
Ion	Ratio	Lower	Upper
138	100		
108	13.0	12.7	19.1
92	120.1	97.9	146.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

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

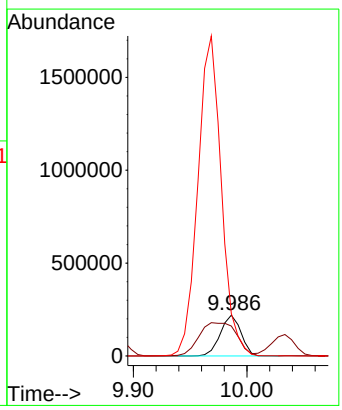


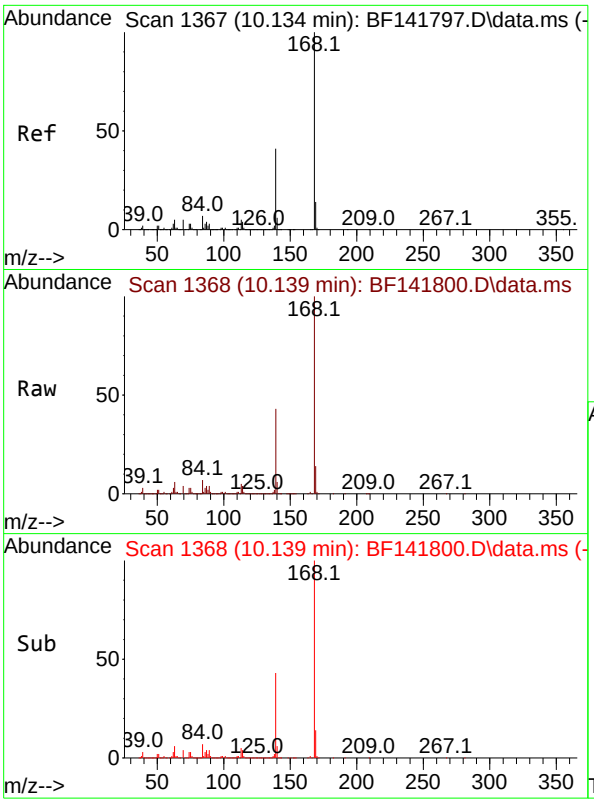


#54
2,4-Dinitrophenol
Concen: 79.409 ng
RT: 9.986 min Scan# 1342
Delta R.T. 0.011 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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#

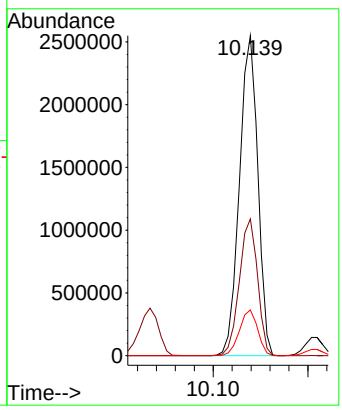




#55
Dibenzofuran
Concen: 69.448 ng
RT: 10.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:168 Resp: 342789

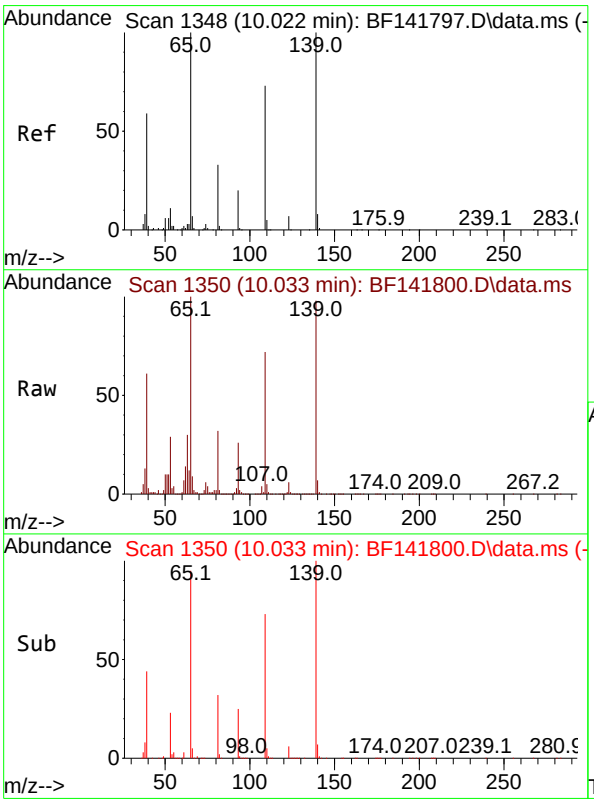
Ion	Ratio	Lower	Upper
168	100		
139	42.7	32.9	49.3
169	14.3	11.1	16.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

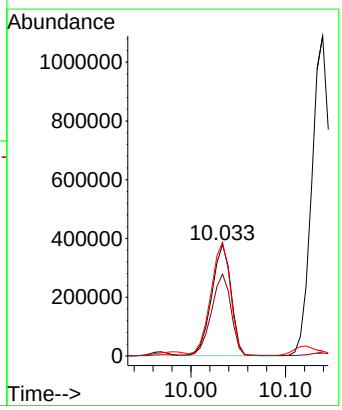
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

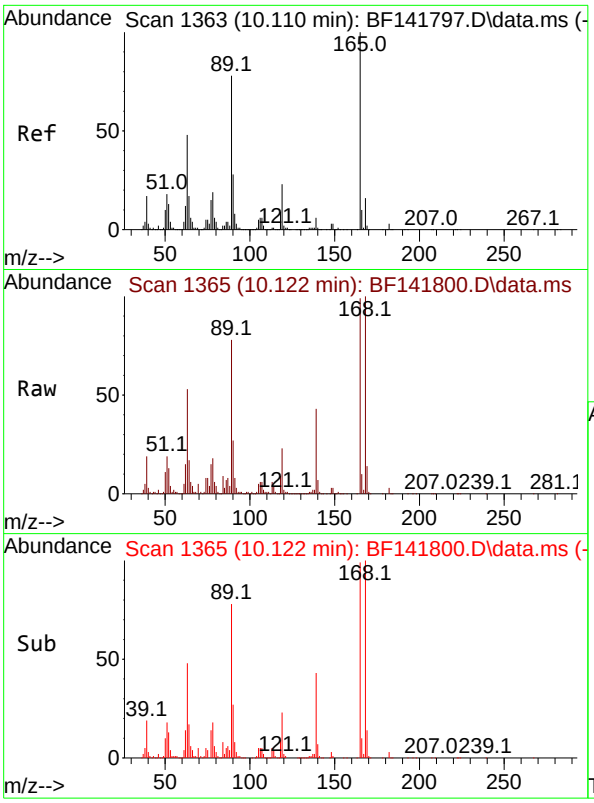


#56
4-Nitrophenol
Concen: 91.723 ng
RT: 10.033 min Scan# 1350
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

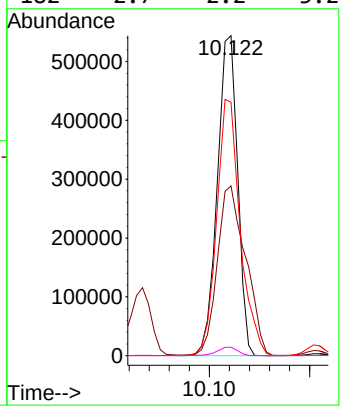




#57
2,4-Dinitrotoluene
Concen: 79.344 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:165 Resp: 76401

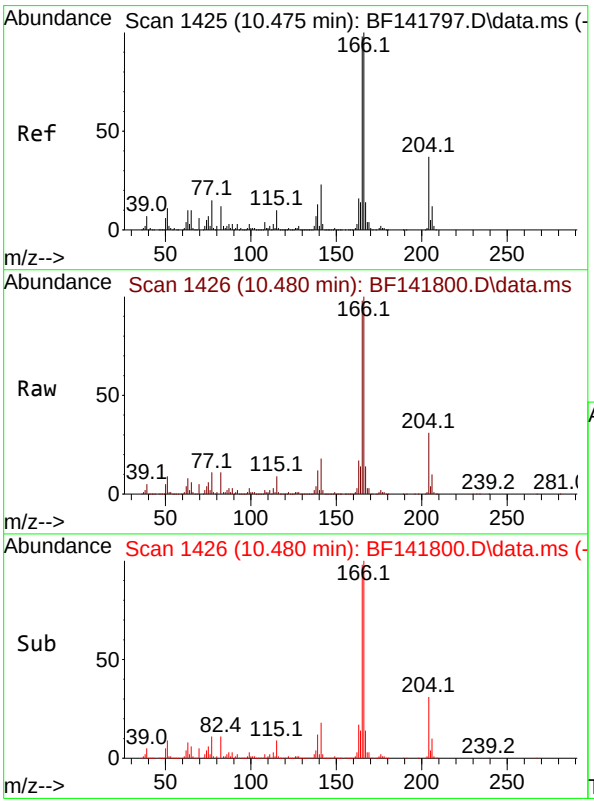
Ion	Ratio	Lower	Upper
165	100		
63	53.1	38.8	58.2
89	79.2	62.6	94.0
182	2.7	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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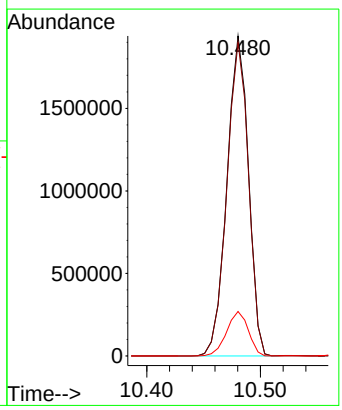
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

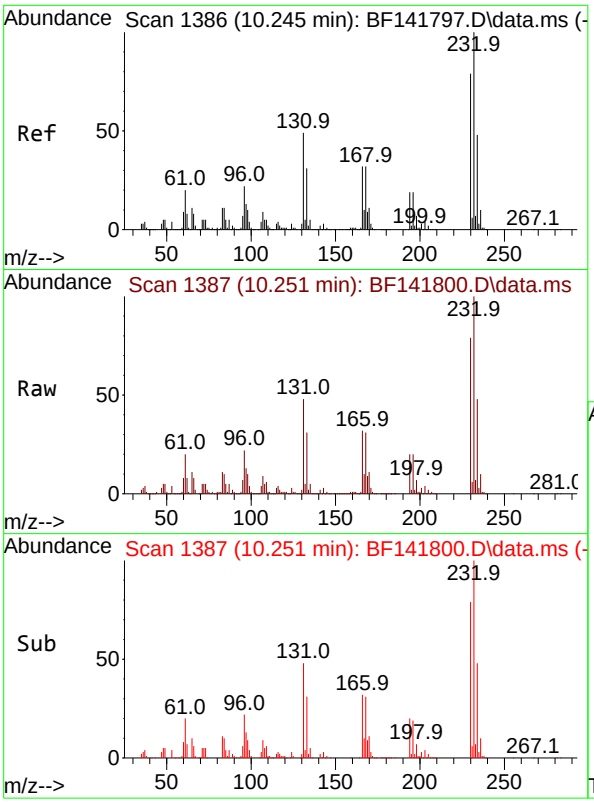


#58
Fluorene
Concen: 69.170 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

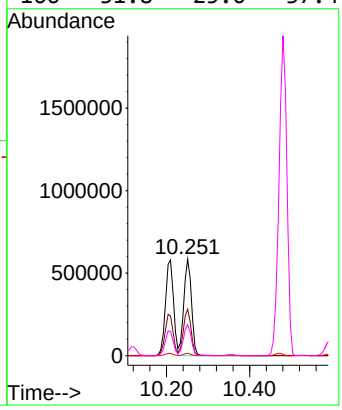




#59
2,3,4,6-Tetrachlorophenol
Concen: 78.537 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:232 Resp: 75291

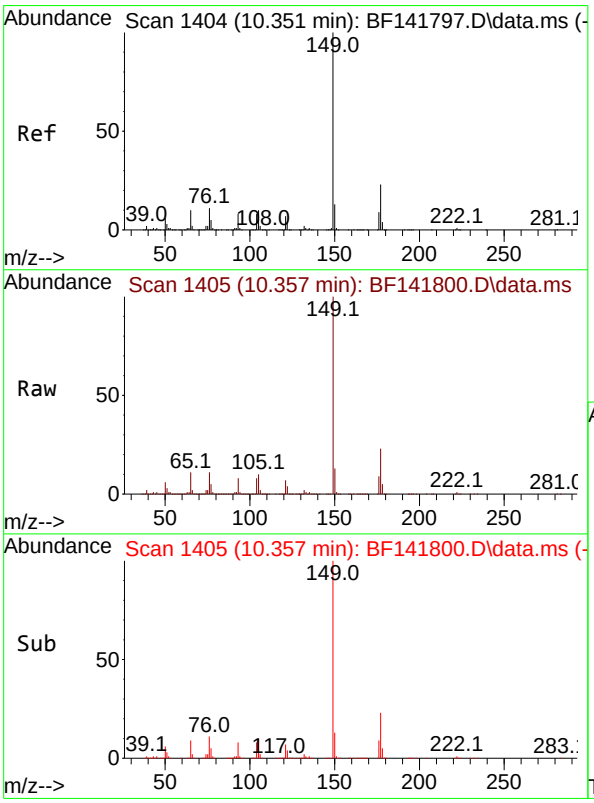
Ion	Ratio	Lower	Upper
232	100		
131	47.5	37.8	56.8
130	2.4	2.0	3.0
166	31.8	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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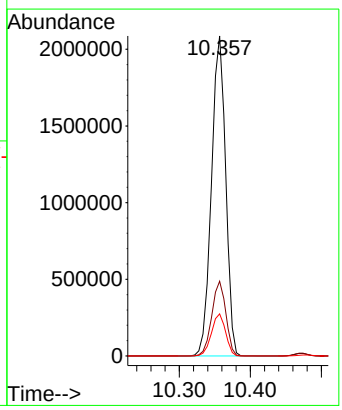
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

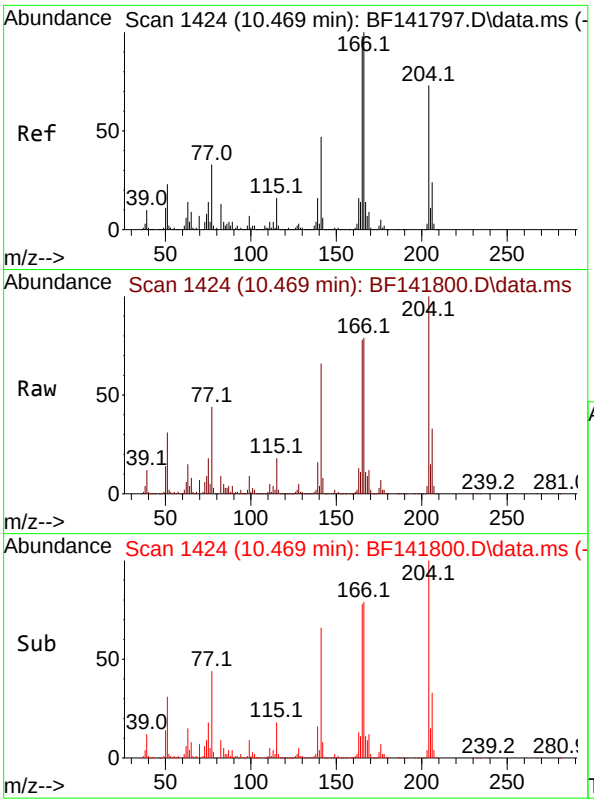


#60
Diethylphthalate
Concen: 72.232 ng
RT: 10.357 min Scan# 1405
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

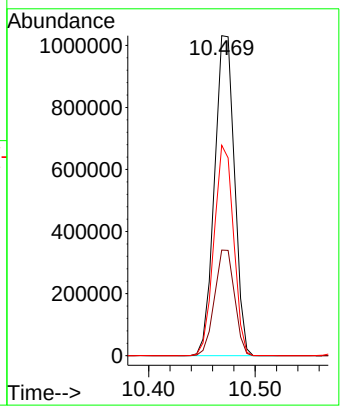
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

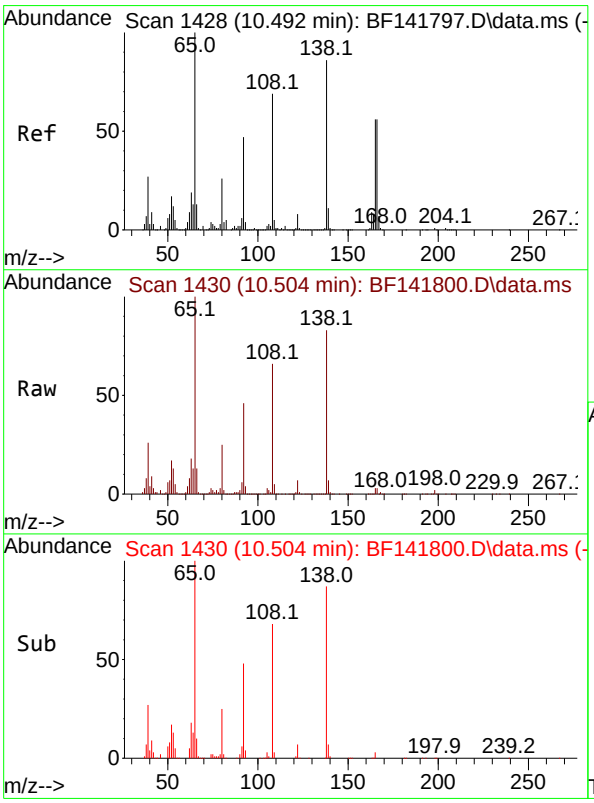
Tgt Ion:204 Resp: 134144

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.2	39.4
141	65.7	51.7	77.5

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

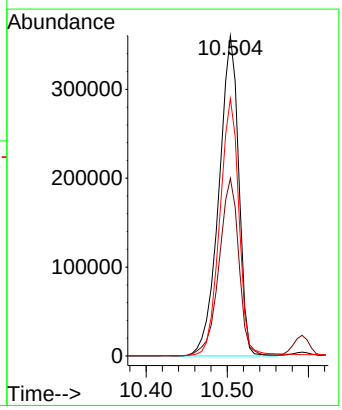


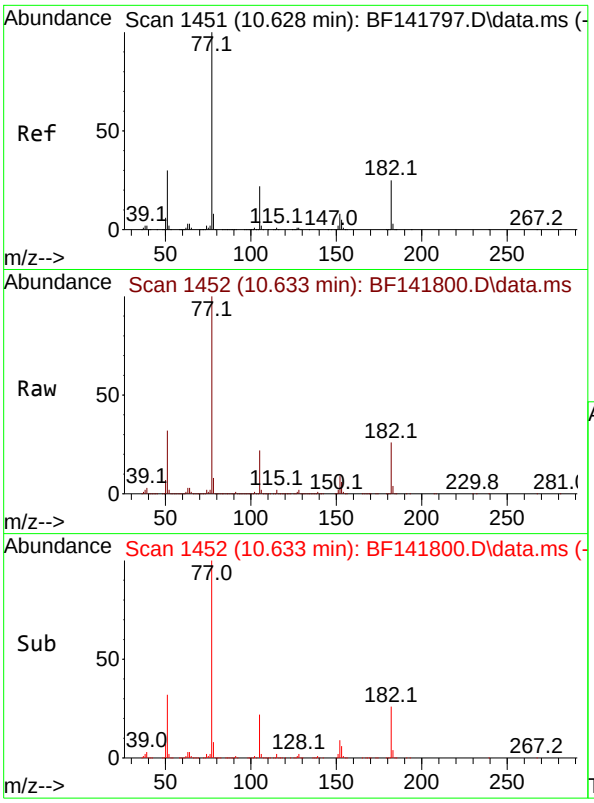


#62
4-Nitroaniline
Concen: 89.663 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

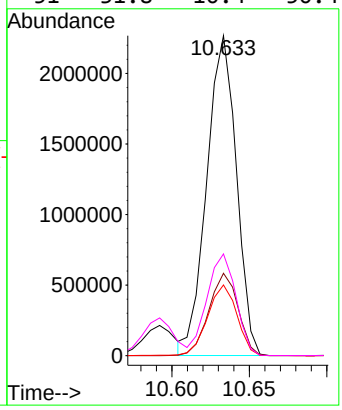




#63
Azobenzene
Concen: 71.441 ng
RT: 10.633 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 77 Resp: 301318

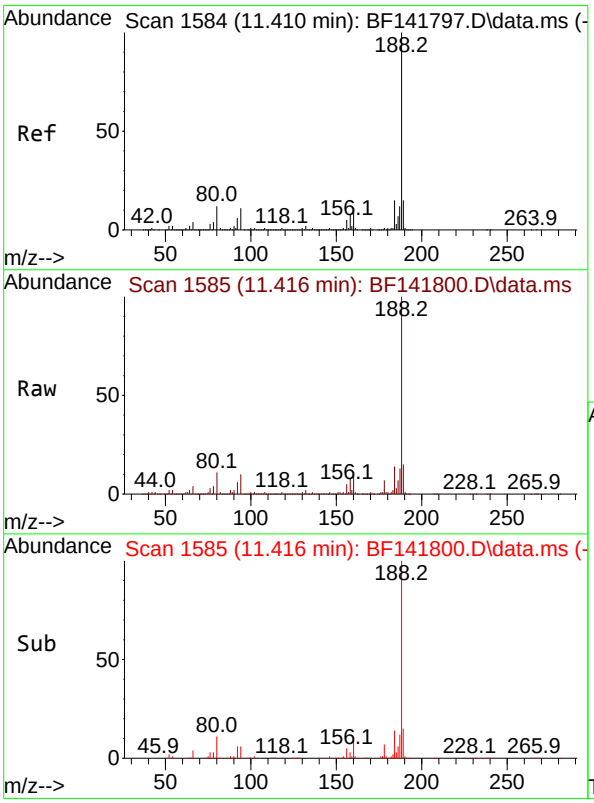
Ion	Ratio	Lower	Upper
77	100		
182	25.7	4.2	44.2
105	22.1	1.5	41.5
51	31.8	10.4	50.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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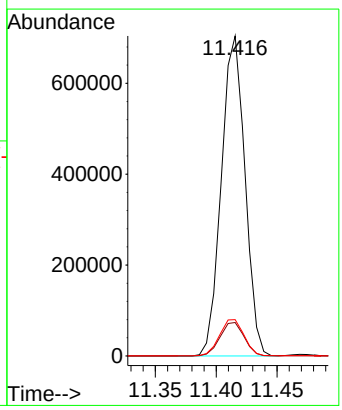
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

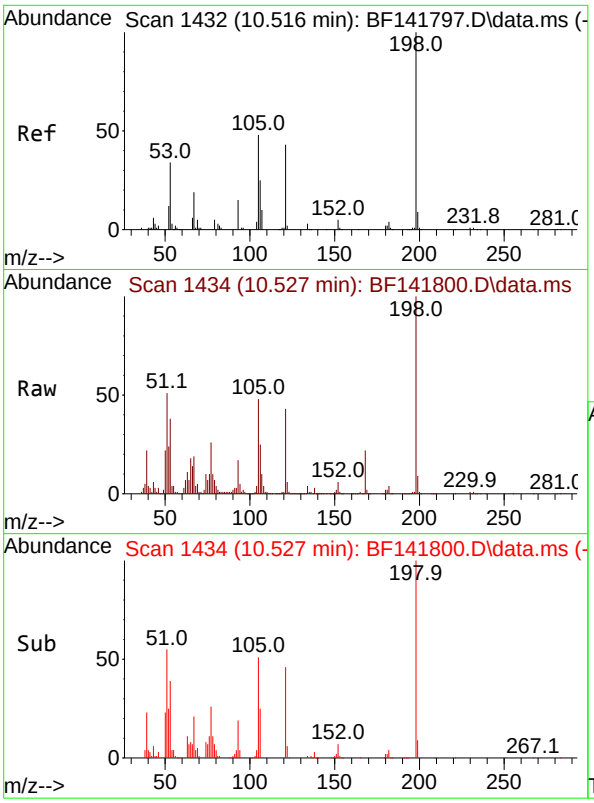


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

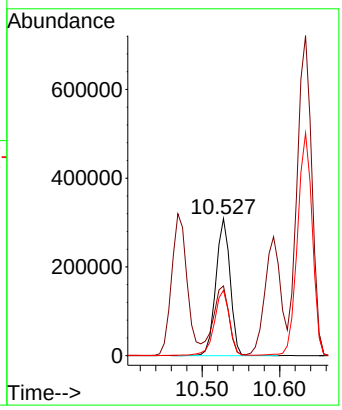
Tgt Ion:198 Resp: 39334

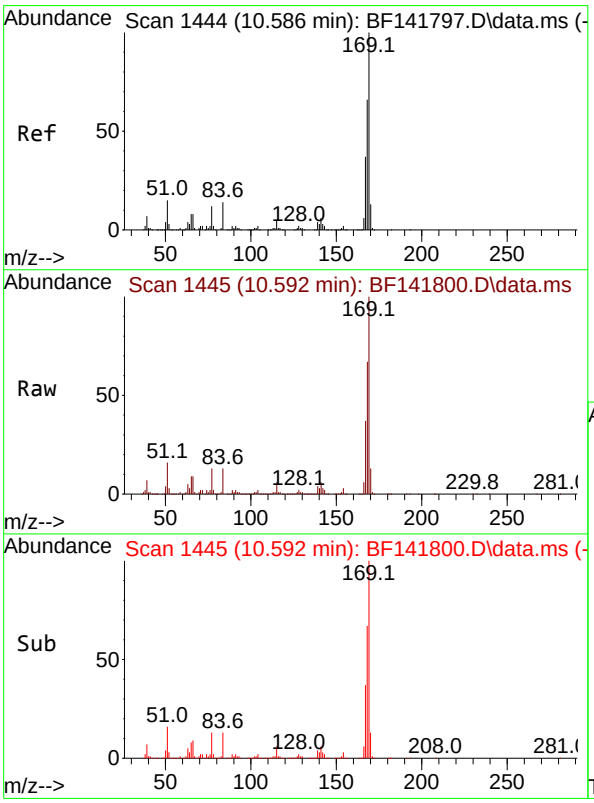
Ion	Ratio	Lower	Upper
198	100		
51	50.9	32.1	72.1
105	47.7	28.5	68.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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

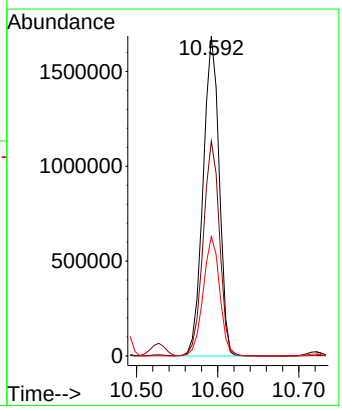


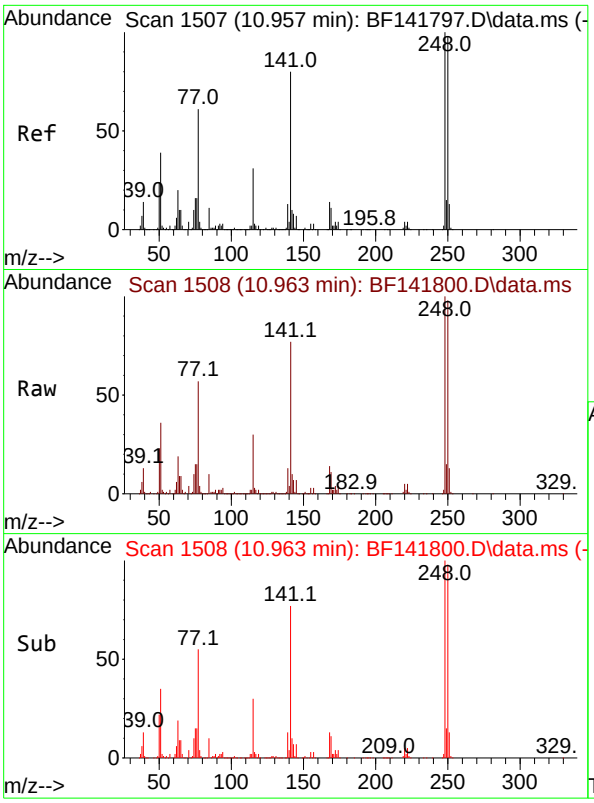


#66
n-Nitrosodiphenylamine
Concen: 73.923 ng
RT: 10.592 min Scan# 1445
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

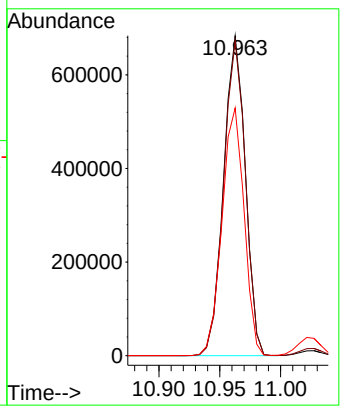




#67
4-Bromophenyl-phenylether
Concen: 76.550 ng
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:248 Resp: 85221

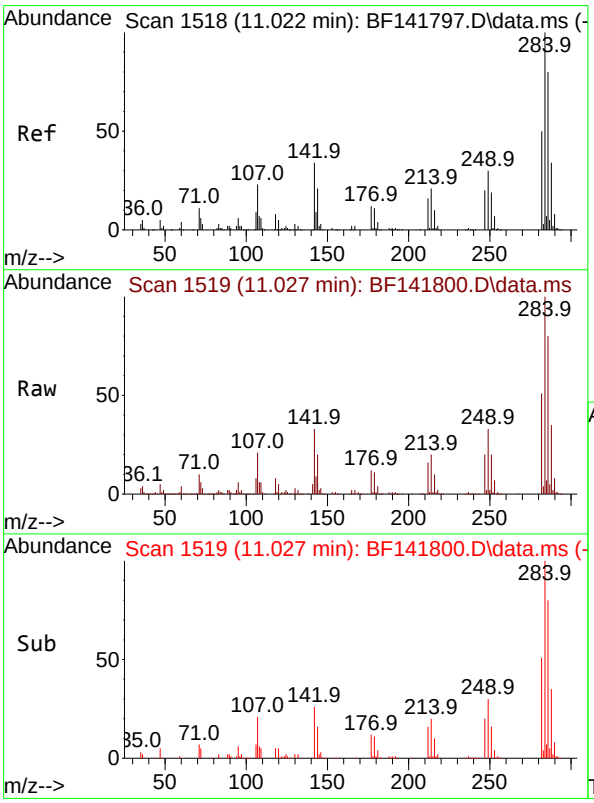
Ion	Ratio	Lower	Upper
248	100		
250	98.3	78.1	117.1
141	77.4	64.3	96.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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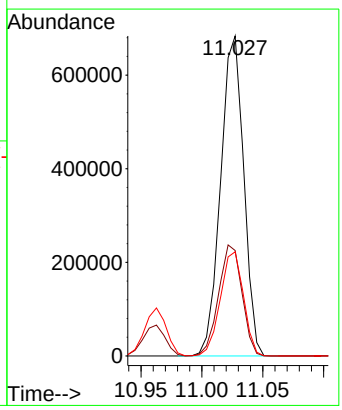
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

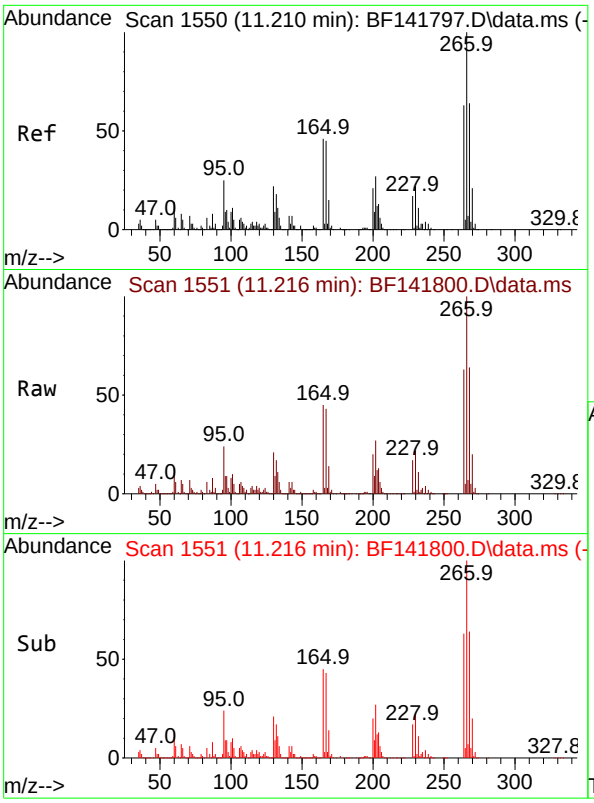


#68
Hexachlorobenzene
Concen: 76.782 ng
RT: 11.027 min Scan# 1519
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

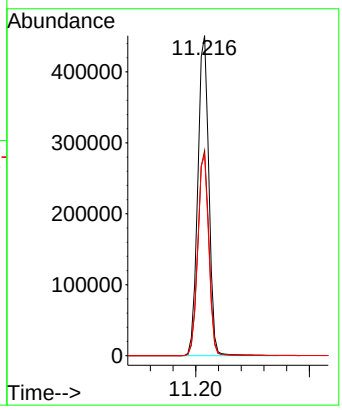




#70
Pentachlorophenol
Concen: 81.849 ng
RT: 11.216 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:266 Resp: 61026

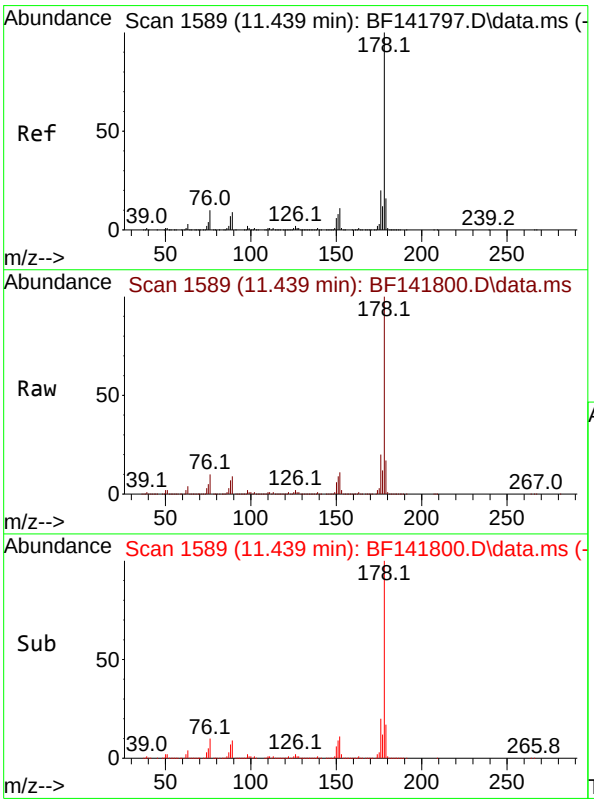
Ion	Ratio	Lower	Upper
266	100		
268	64.0	50.9	76.3
264	62.8	50.2	75.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

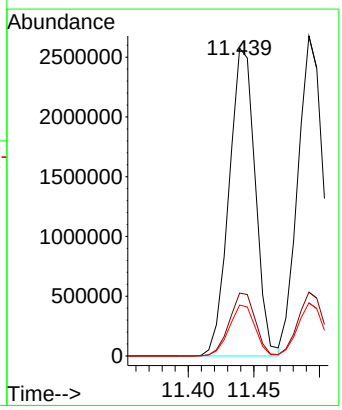
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

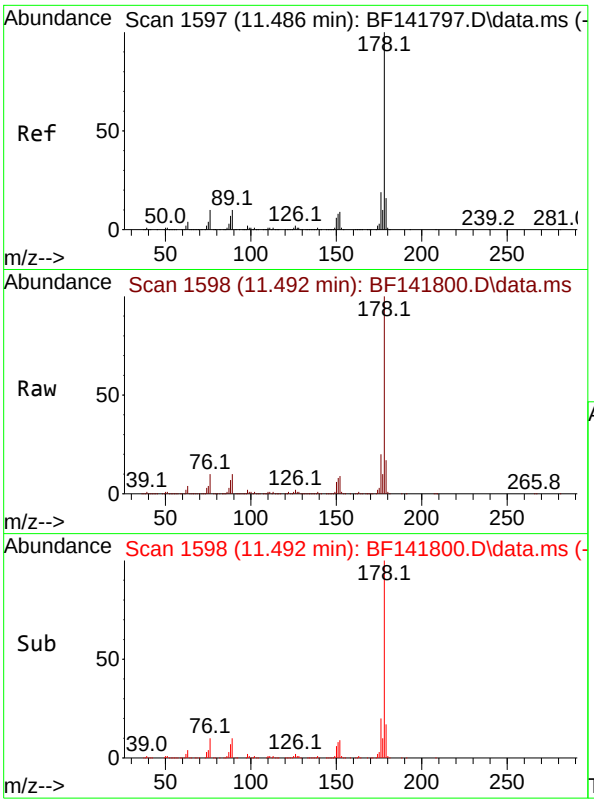


#71
Phenanthrene
Concen: 70.307 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

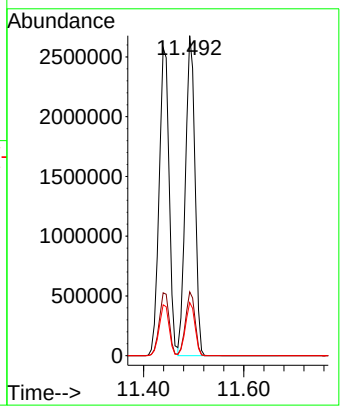




#72
Anthracene
Concen: 69.487 ng
RT: 11.492 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:178 Resp: 355048

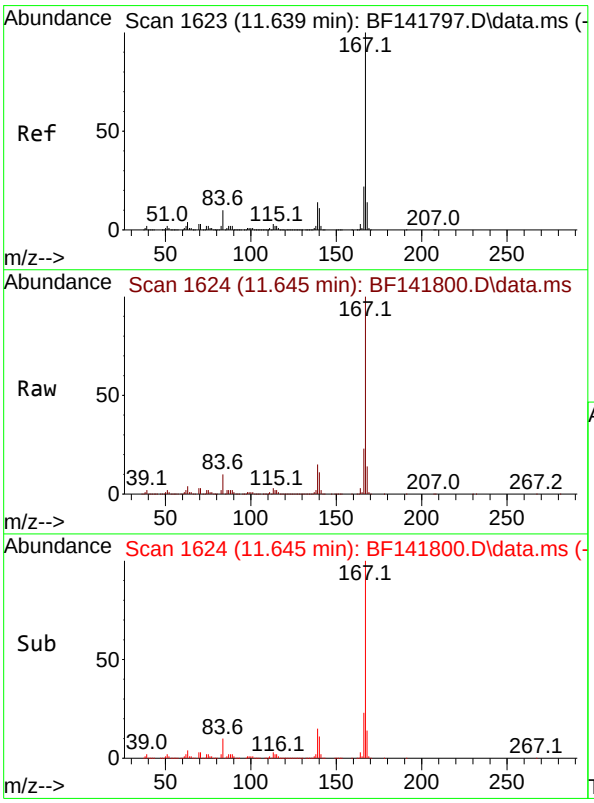
Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.4	23.0
179	16.6	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

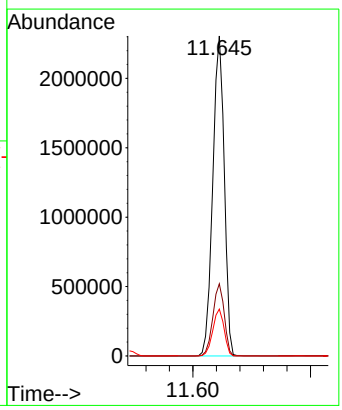
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

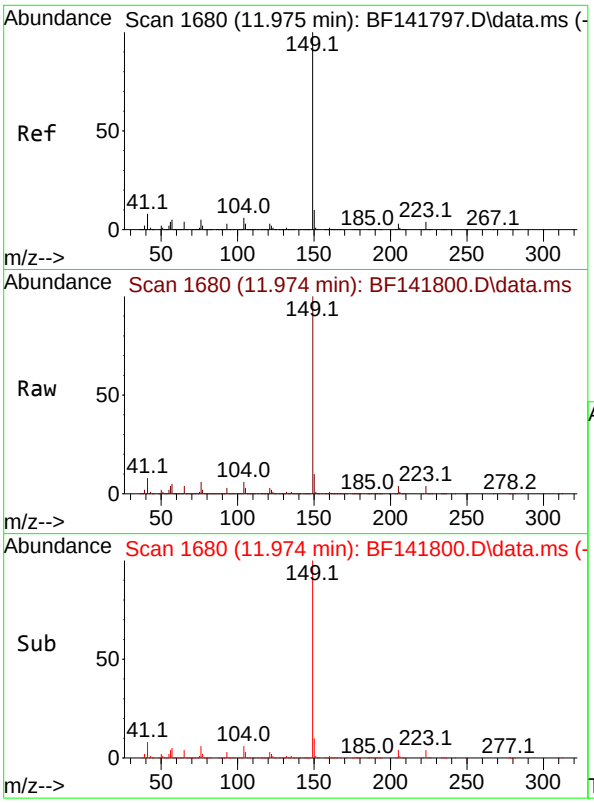


#73
Carbazole
Concen: 69.380 ng
RT: 11.645 min Scan# 1624
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

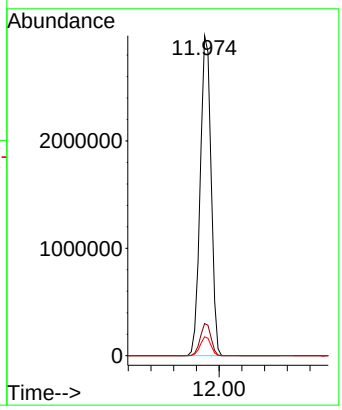




#74
Di-n-butylphthalate
Concen: 68.971 ng
RT: 11.974 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:149 Resp: 394481

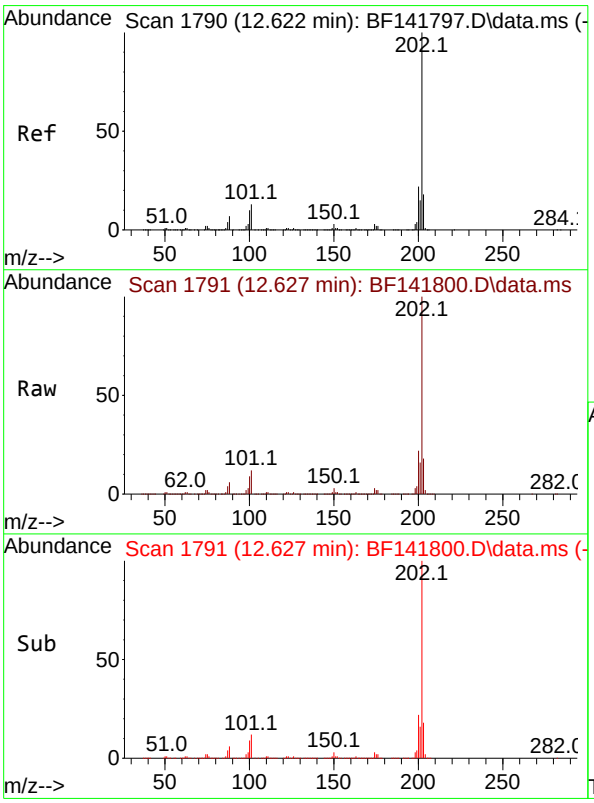
Ion	Ratio	Lower	Upper
149	100		
150	10.1	7.7	11.5
104	5.9	4.4	6.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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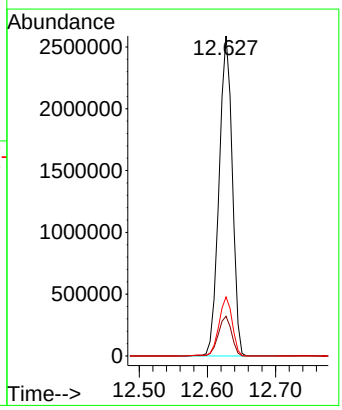
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

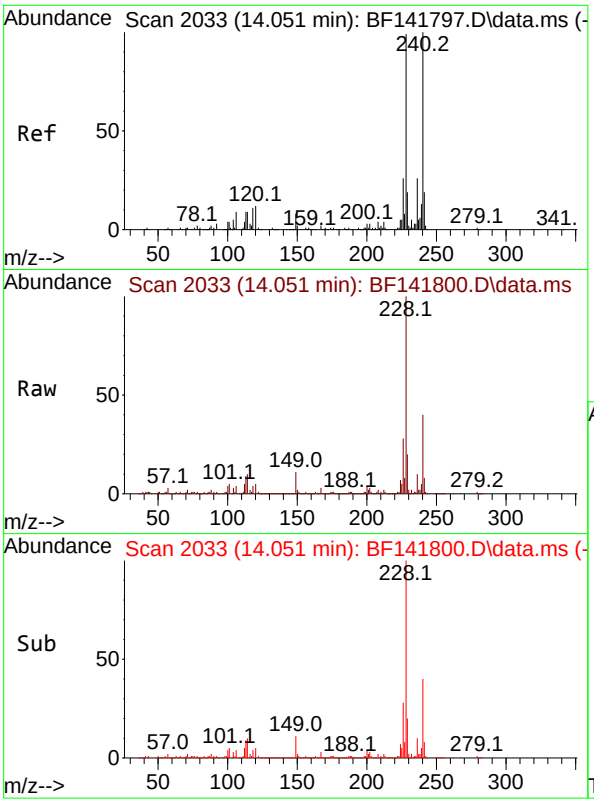


#75
Fluoranthene
Concen: 66.922 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

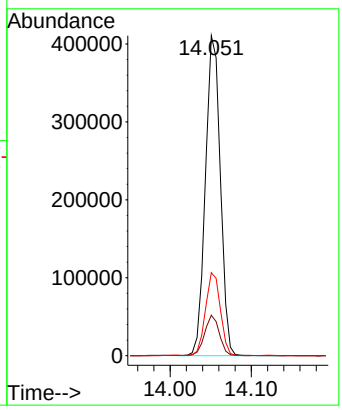




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:240 Resp: 52320

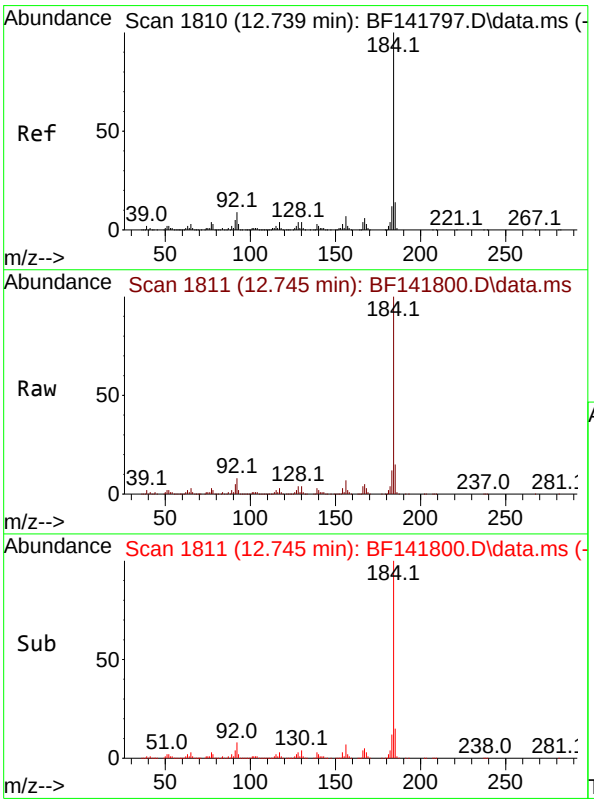
Ion	Ratio	Lower	Upper
240	100		
120	12.6	9.7	14.5
236	26.0	21.0	31.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

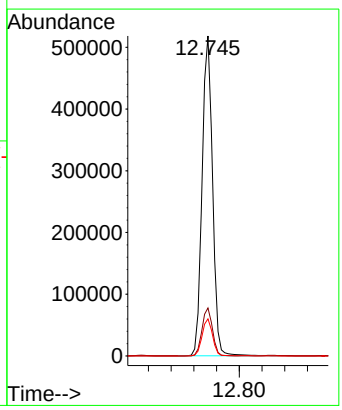
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

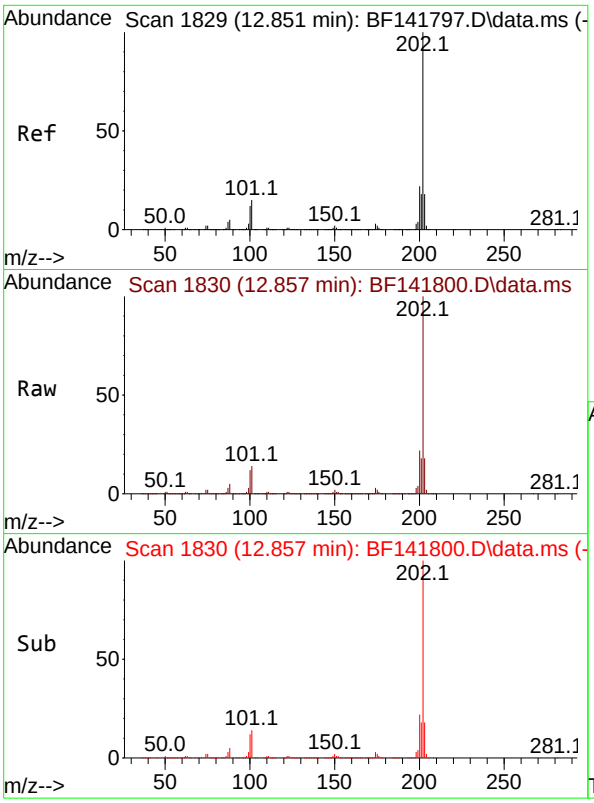


#77
Benzidine
Concen: 100.283 ng
RT: 12.745 min Scan# 1811
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

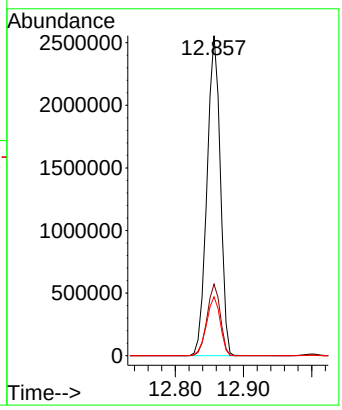




#78
Pyrene
Concen: 76.502 ng
RT: 12.857 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:202 Resp: 346603

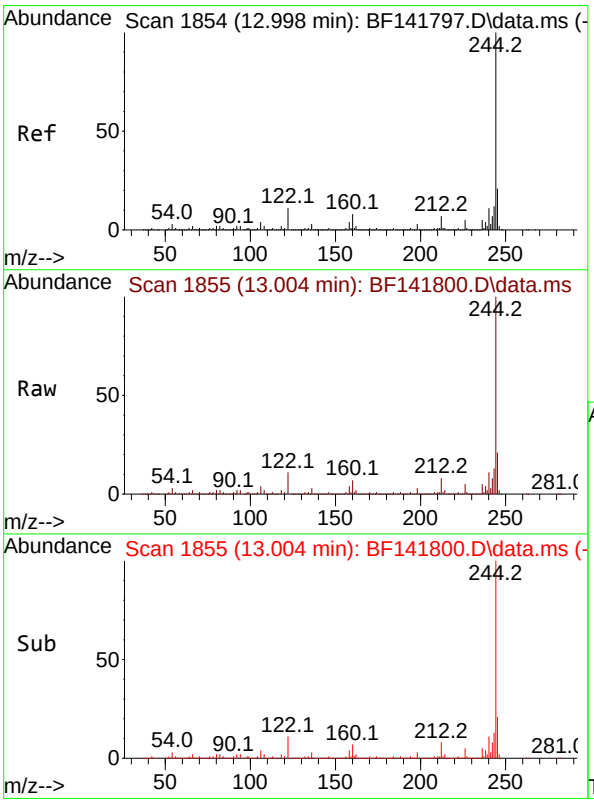
Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.4	26.0
203	18.4	14.6	22.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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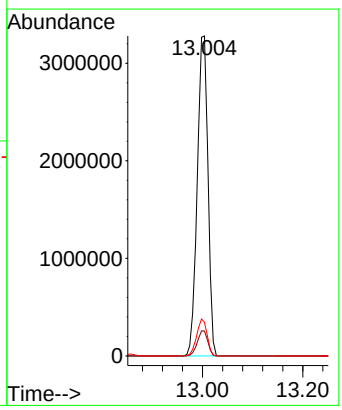
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

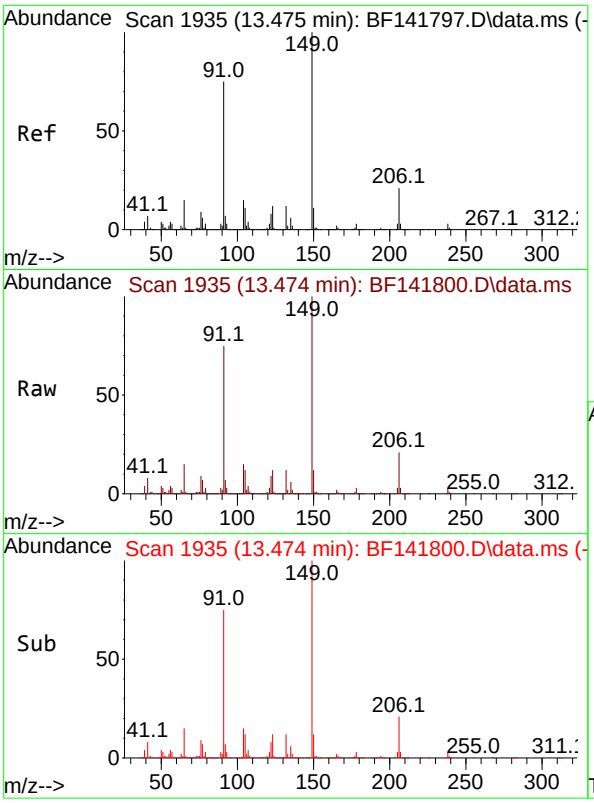


#79
Terphenyl-d14
Concen: 149.765 ng
RT: 13.004 min Scan# 1855
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

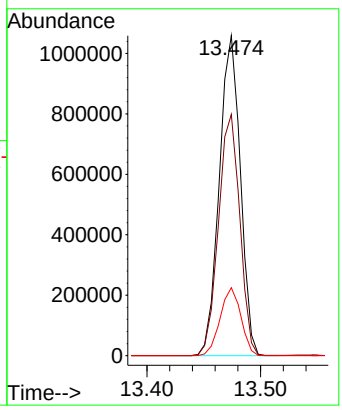




#80
Butylbenzylphthalate
Concen: 82.887 ng
RT: 13.474 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:149 Resp: 136438

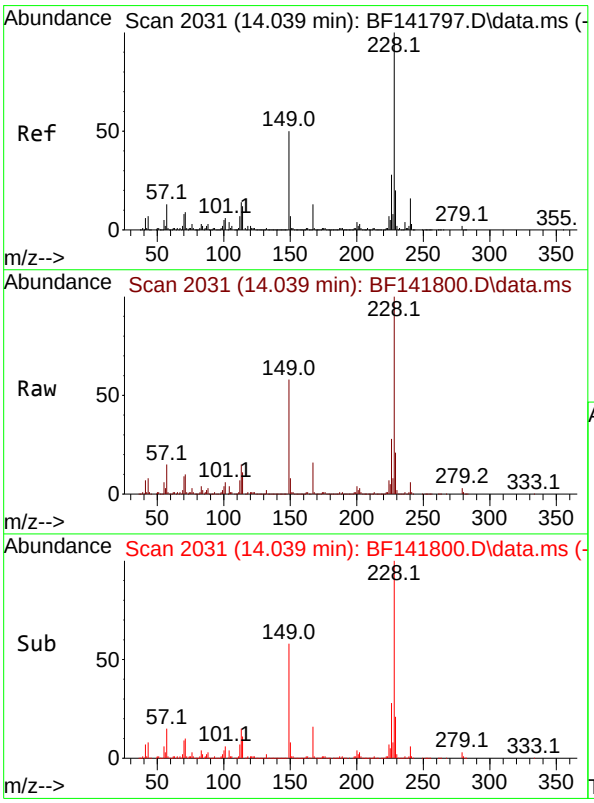
Ion	Ratio	Lower	Upper
149	100		
91	75.4	60.1	90.1
206	21.2	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

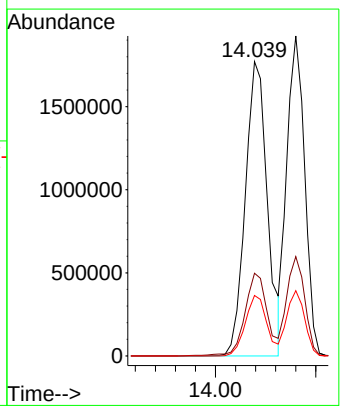
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

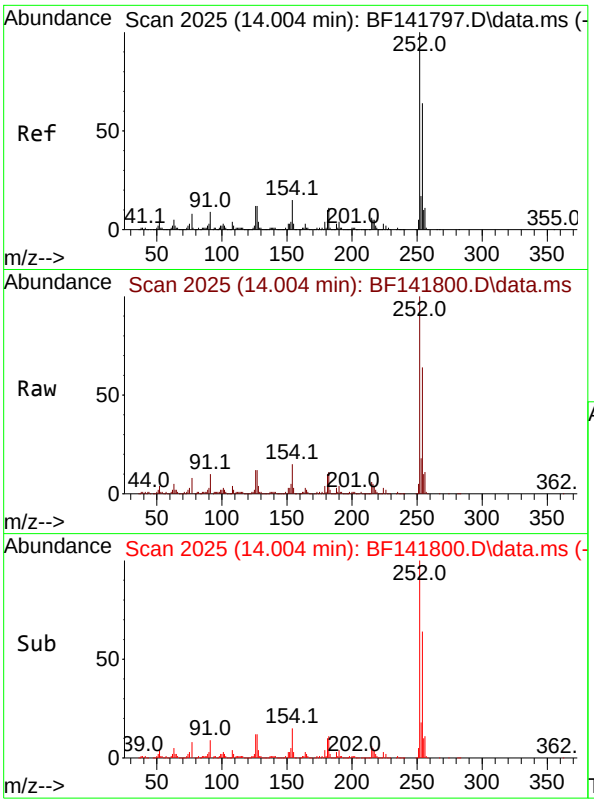


#81
Benzo(a)anthracene
Concen: 78.217 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

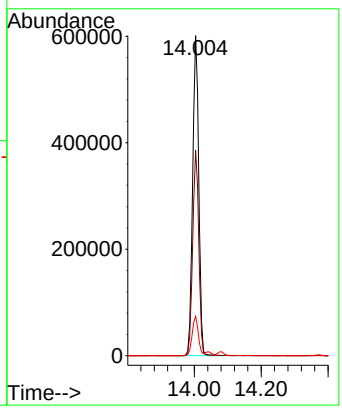




#82
3,3'-Dichlorobenzidine
Concen: 76.939 ng
RT: 14.004 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:252 Resp: 76285

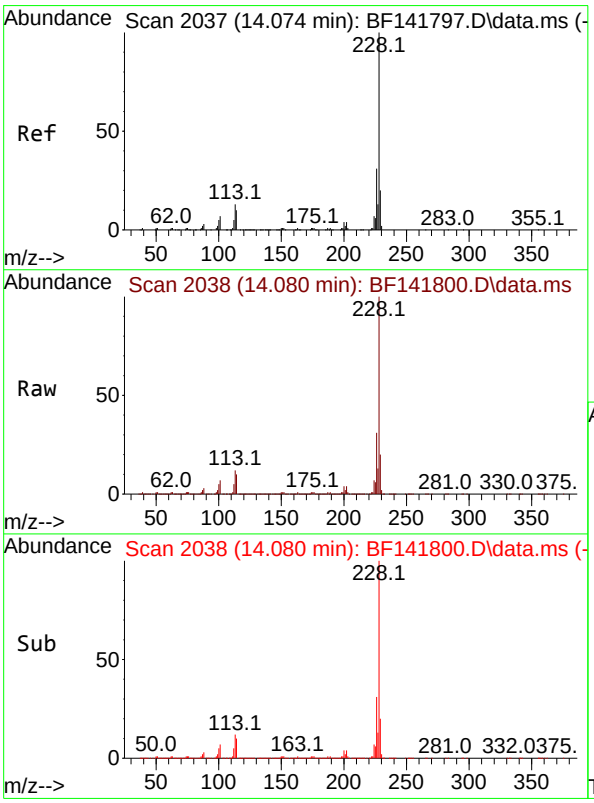
Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.4	77.0
126	12.3	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

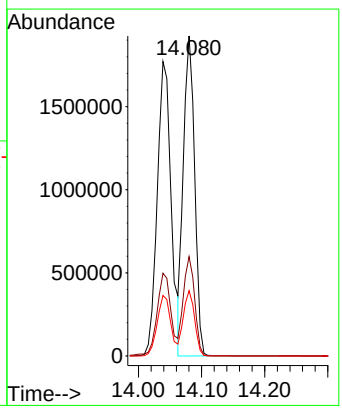
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

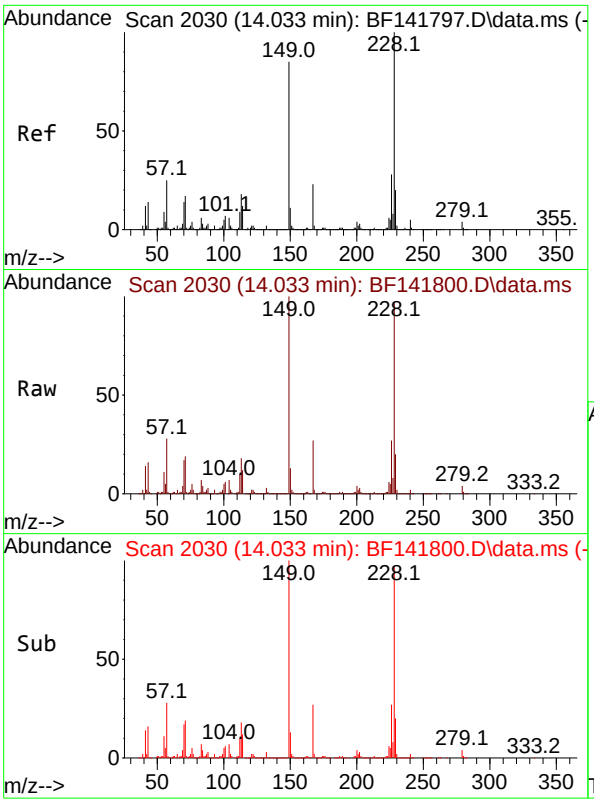


#83
Chrysene
Concen: 75.176 ng
RT: 14.080 min Scan# 2038
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

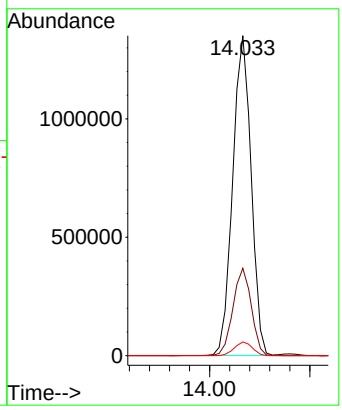
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

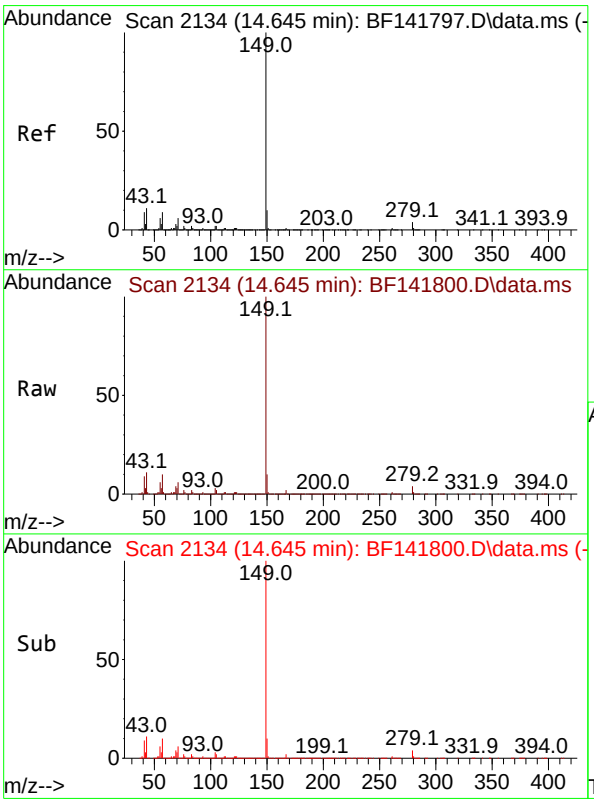
Tgt Ion:149 Resp: 173041

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.2	31.8
279	4.3	3.3	4.9

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

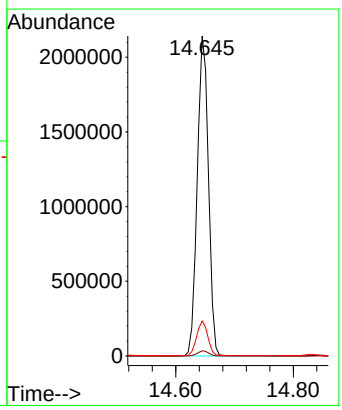


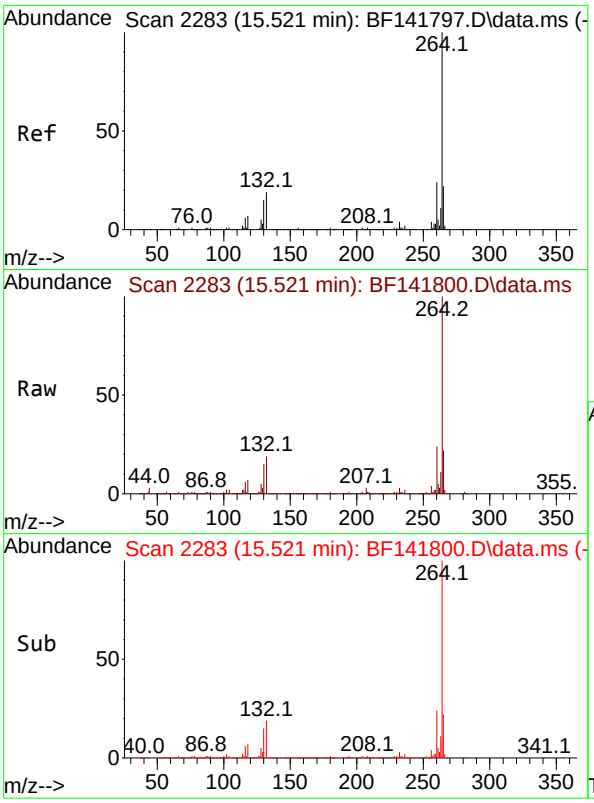


#85
Di-n-octyl phthalate
Concen: 91.958 ng
RT: 14.645 min Scan# 2134
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

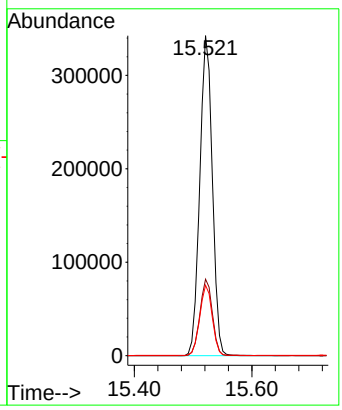




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:264 Resp: 50861

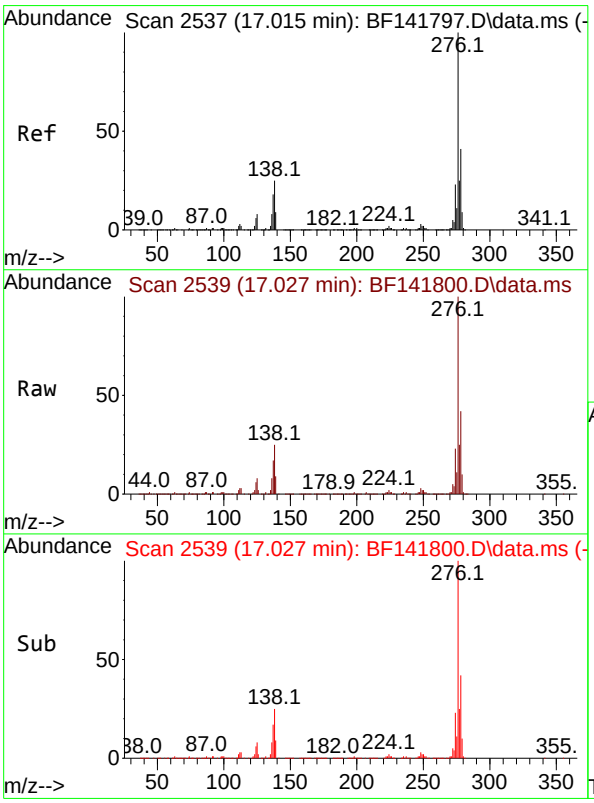
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.9	28.3
265	22.0	17.4	26.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

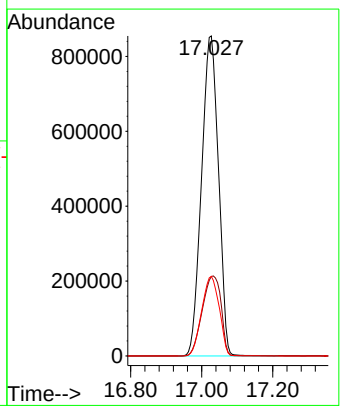
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

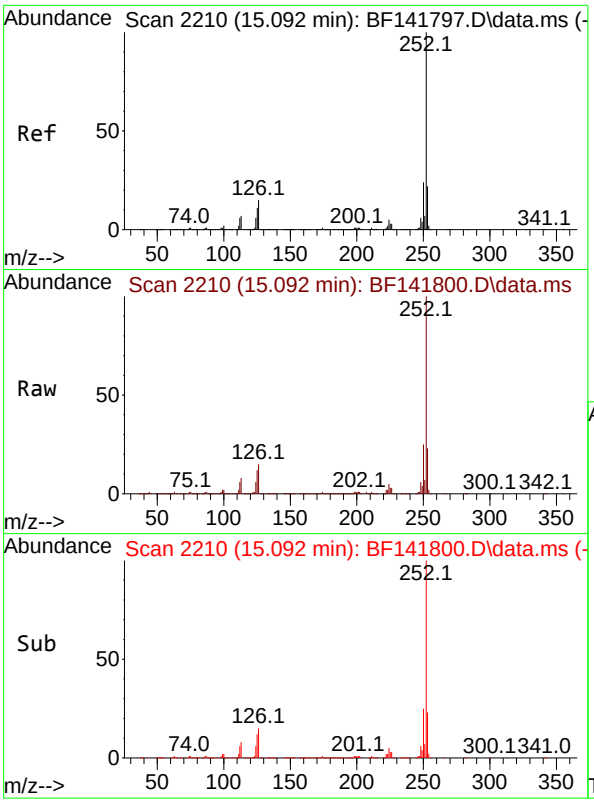


#87
Indeno(1,2,3-cd)pyrene
Concen: 87.778 ng
RT: 17.027 min Scan# 2539
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

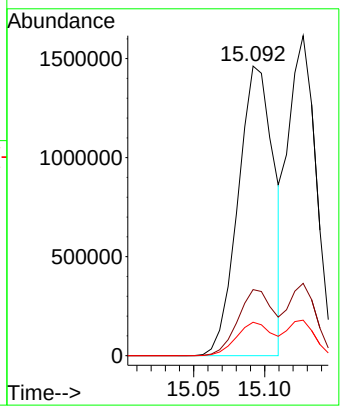




#88
Benzo(b)fluoranthene
Concen: 73.777 ng
RT: 15.092 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:252 Resp: 255601

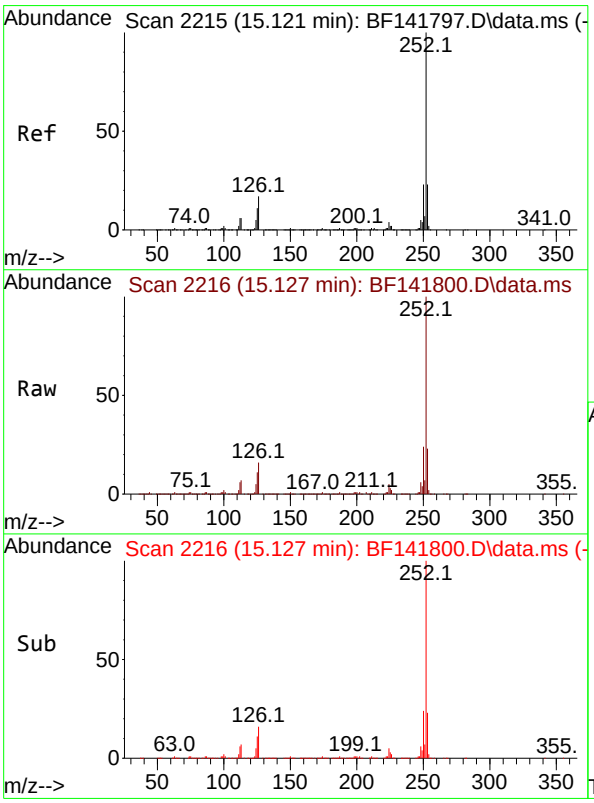
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	11.6	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

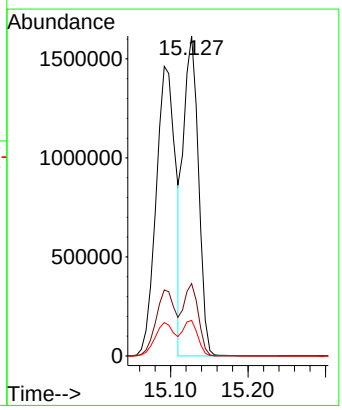
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

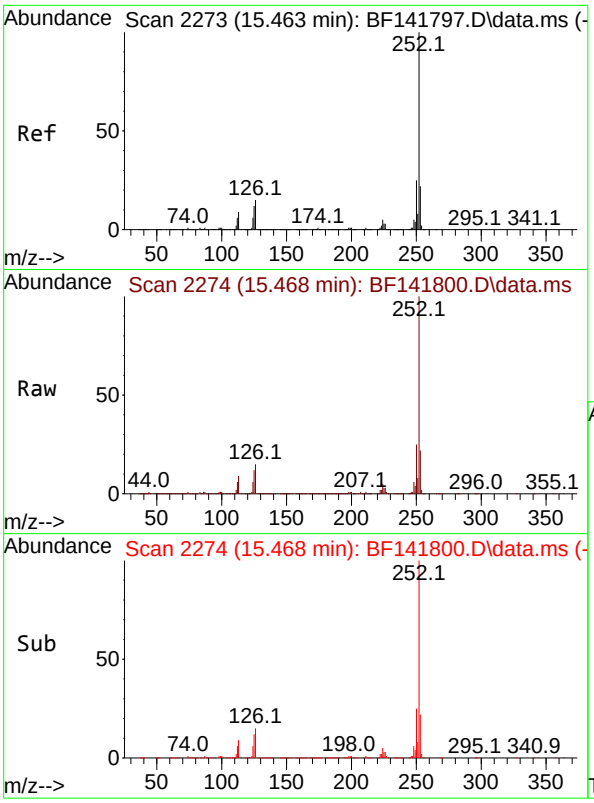


#89
Benzo(k)fluoranthene
Concen: 74.176 ng
RT: 15.127 min Scan# 2216
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

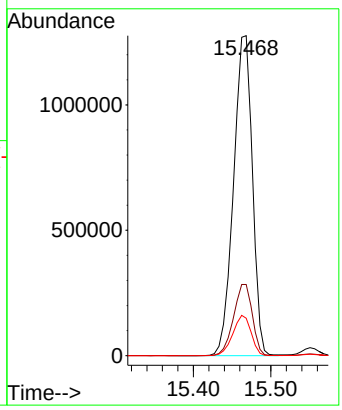
Tgt Ion:252 Resp: 215658

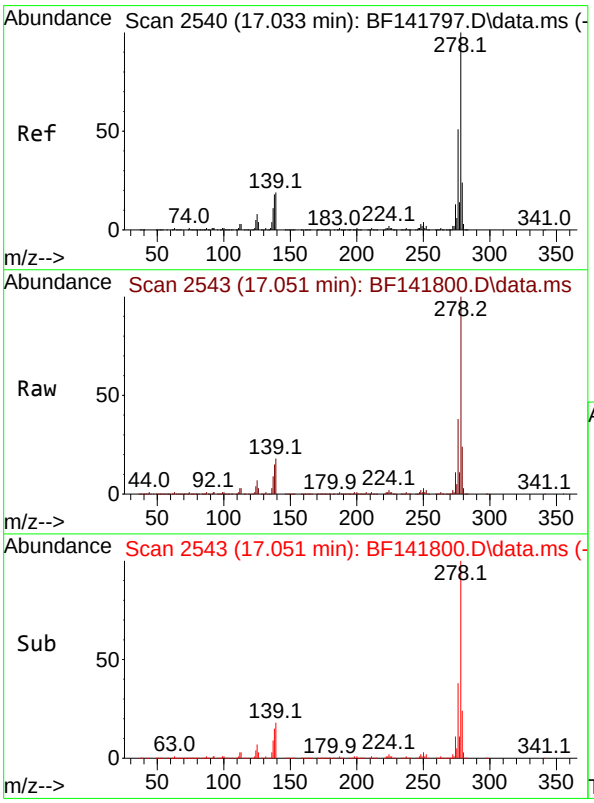
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	11.7	9.4	14.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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

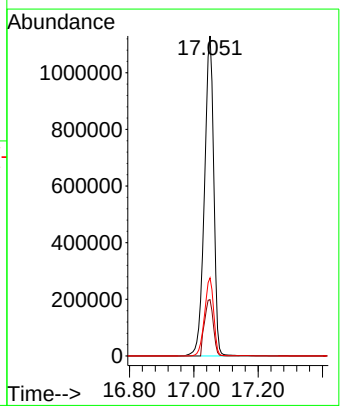


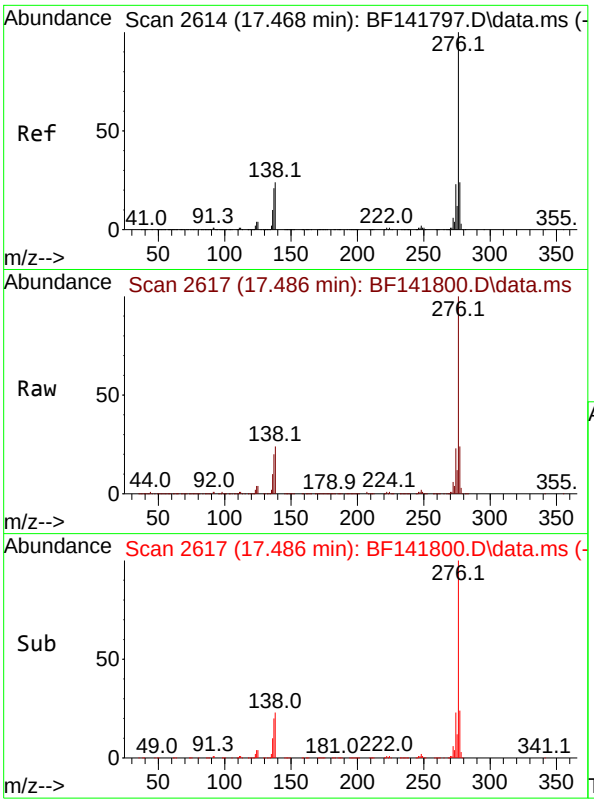


#91
Dibenzo(a,h)anthracene
Concen: 85.844 ng
RT: 17.051 min Scan# 2543
Delta R.T. 0.017 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

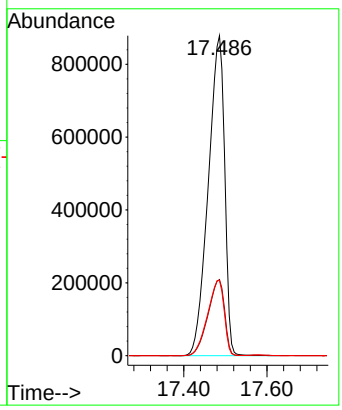




#92
Benzo(g,h,i)perylene
Concen: 88.534 ng
RT: 17.486 min Scan# 2
Delta R.T. 0.017 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

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

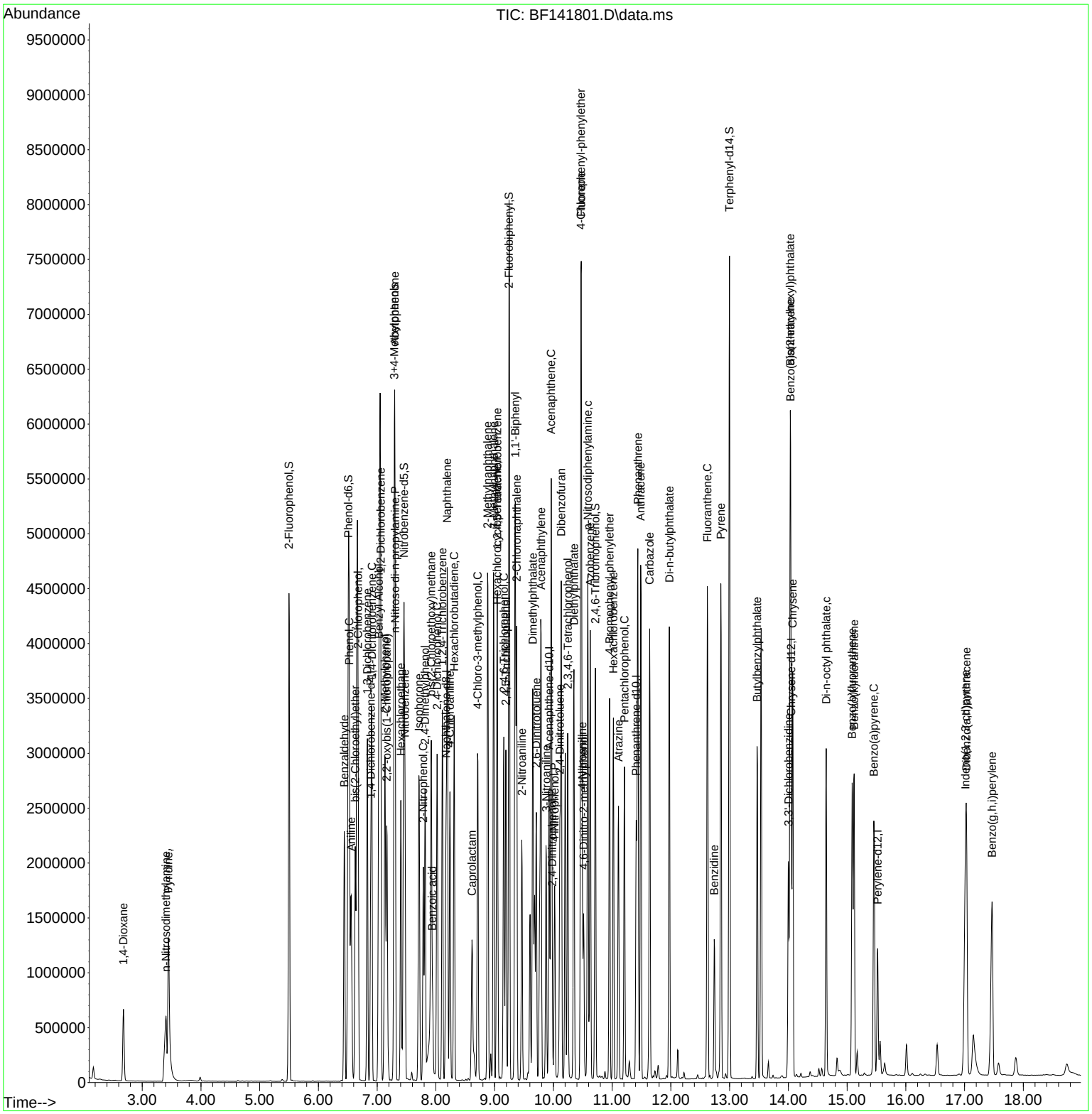
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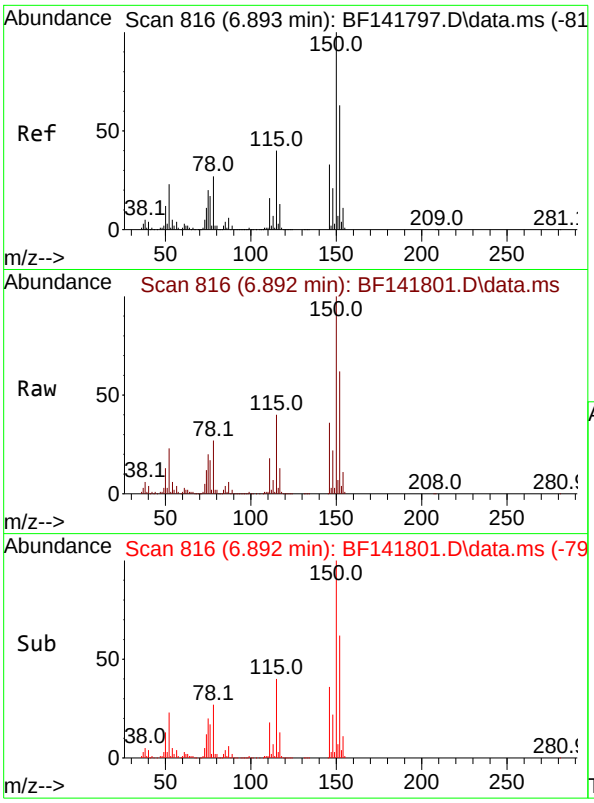
ICAL Form

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



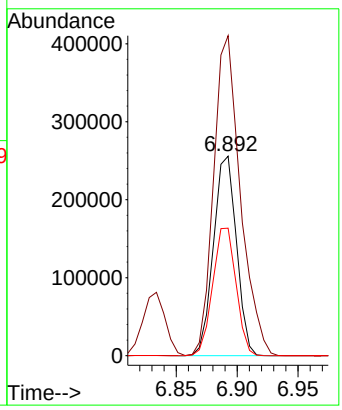


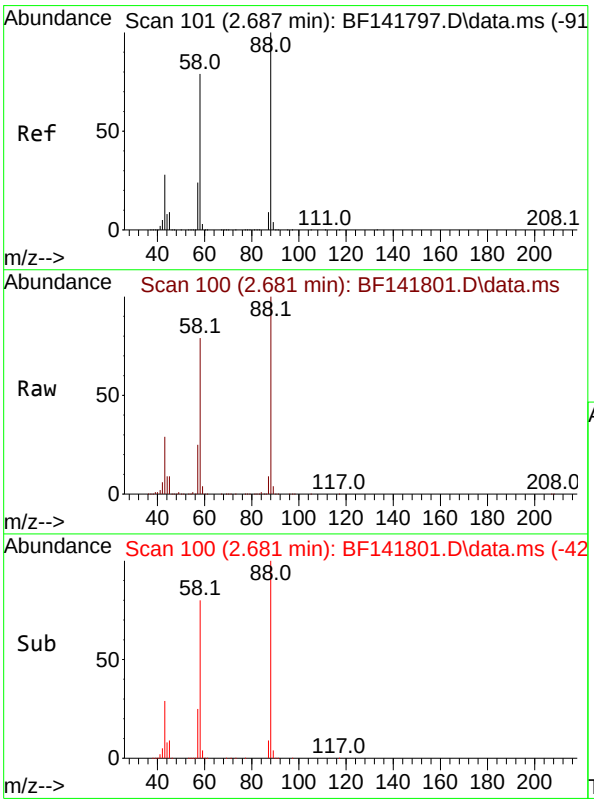
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 8
Delta R.T. -0.001 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

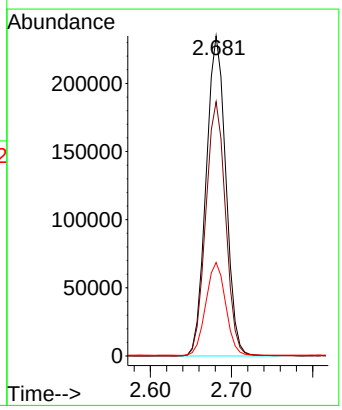


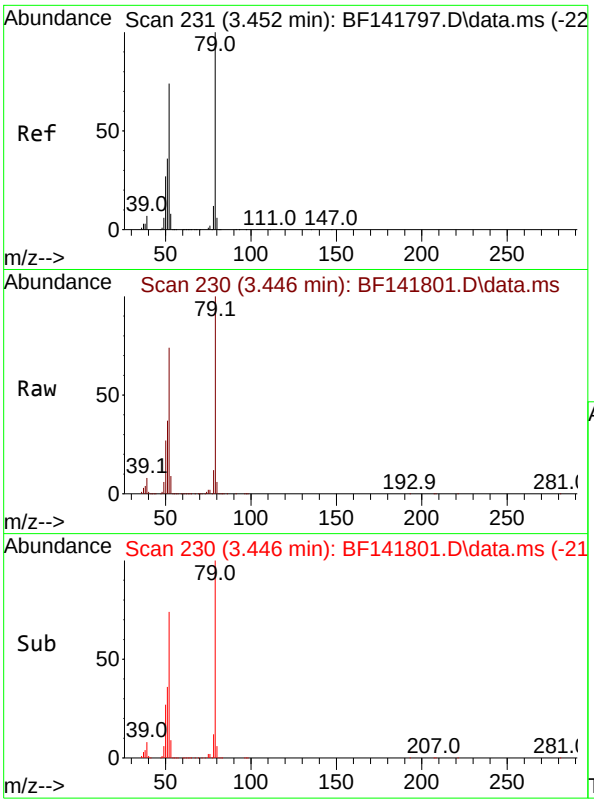


#2
1,4-Dioxane
Concen: 41.486 ng
RT: 2.681 min Scan# 100
Delta R.T. -0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



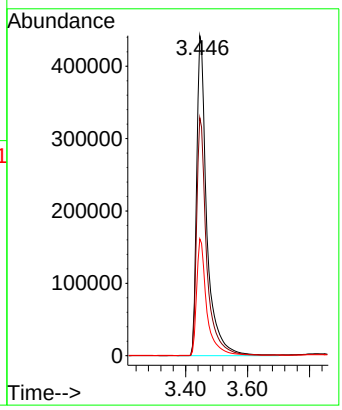


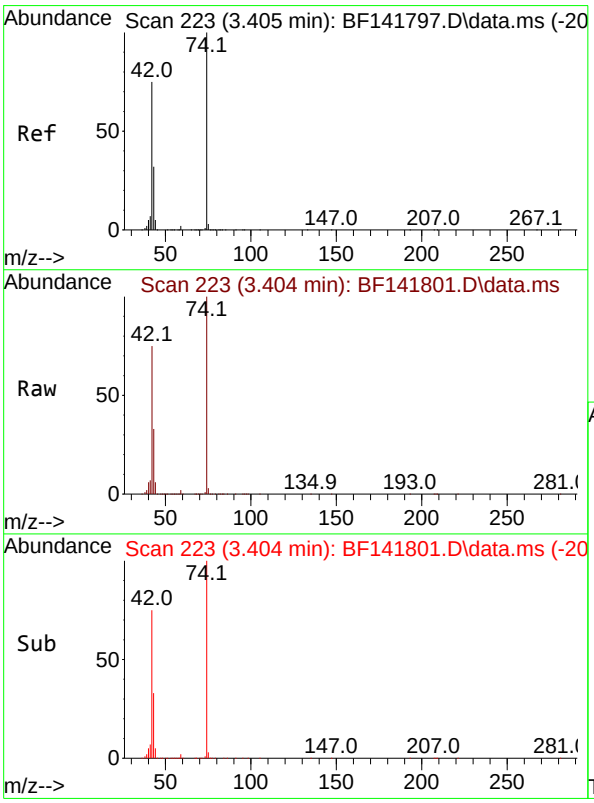
#3
Pyridine
Concen: 42.572 ng
RT: 3.446 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

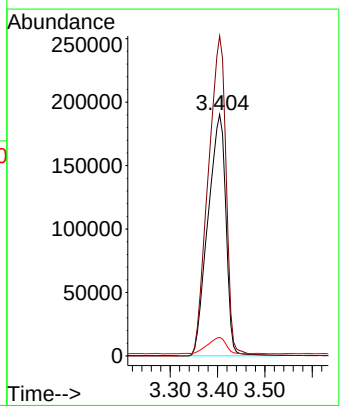


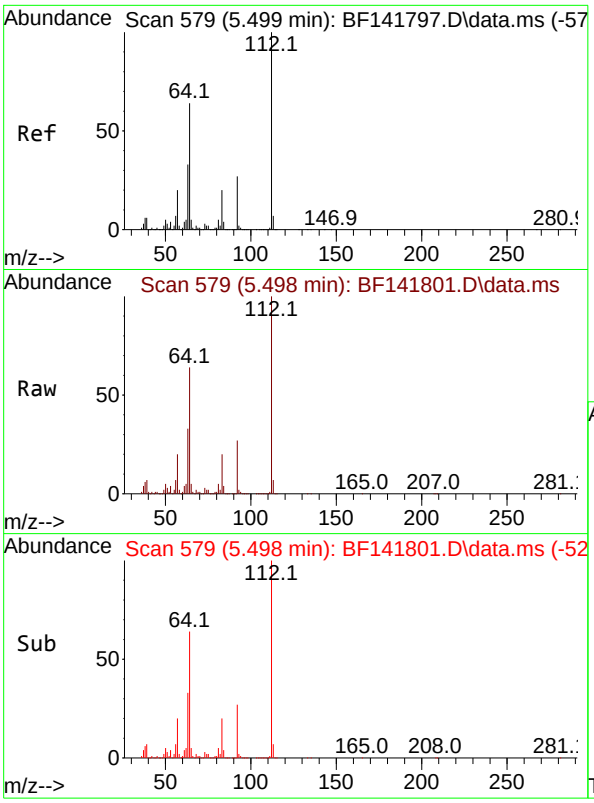


#4
n-Nitrosodimethylamine
Concen: 43.575 ng
RT: 3.404 min Scan# 223
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



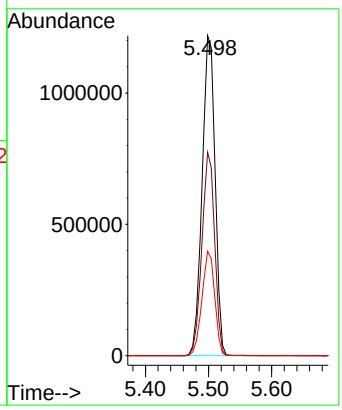


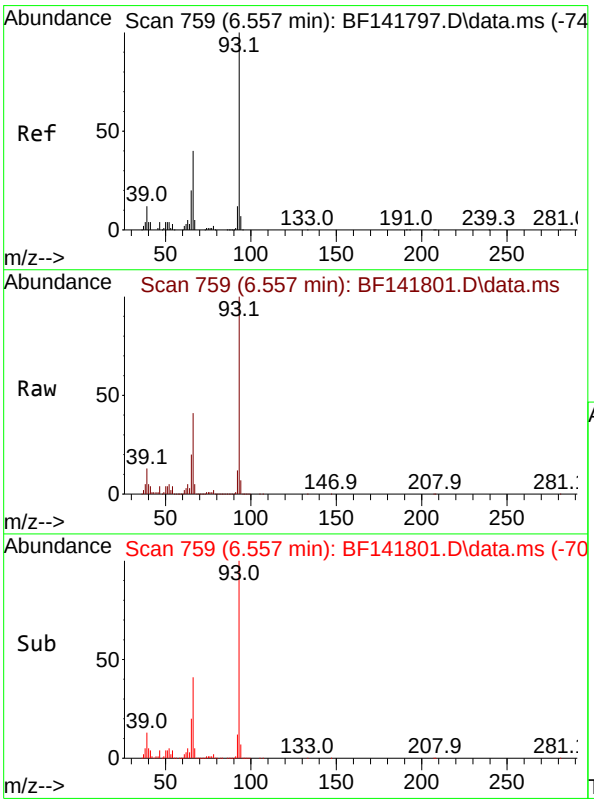
#5
2-Fluorophenol
Concen: 82.443 ng
RT: 5.498 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

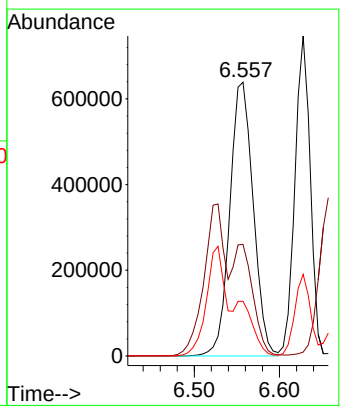




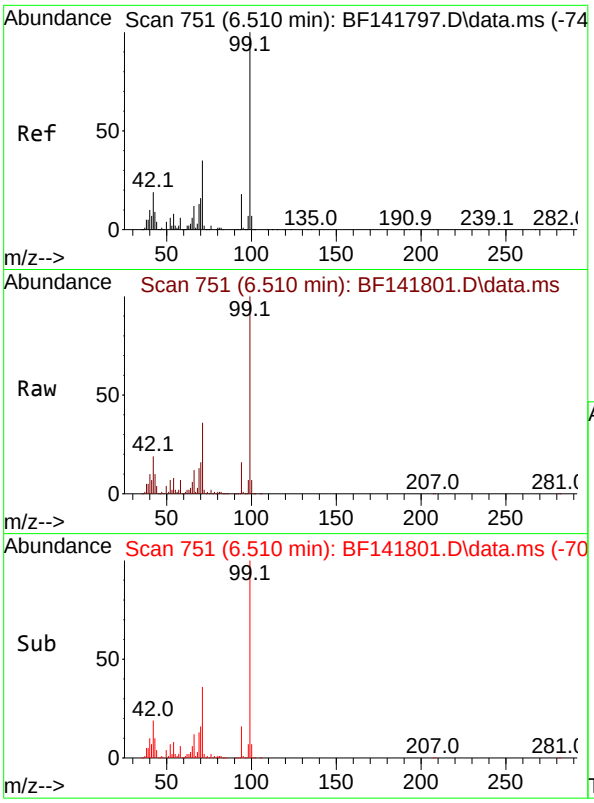
#6
Aniline
Concen: 42.857 ng
RT: 6.557 min Scan# 759
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



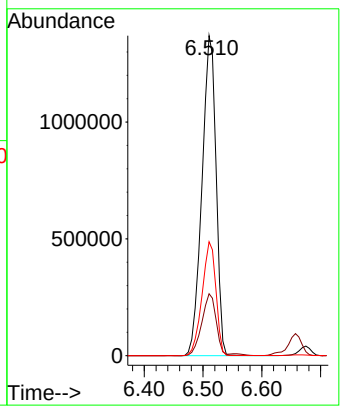
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

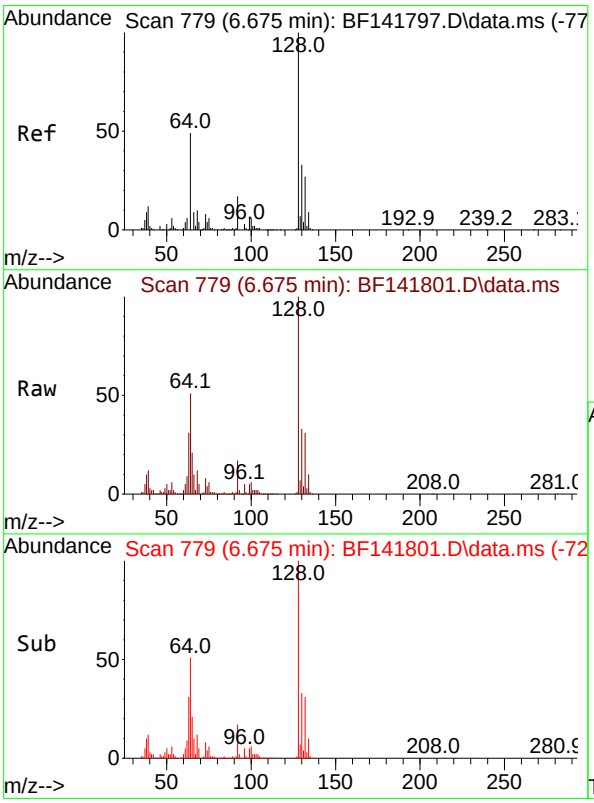


#7
Phenol-d6
Concen: 83.039 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

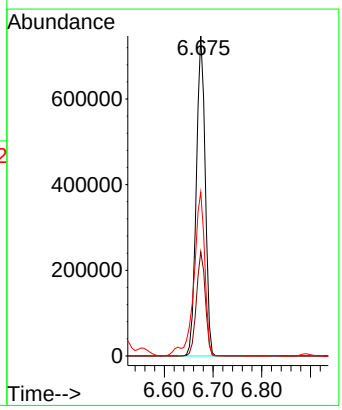


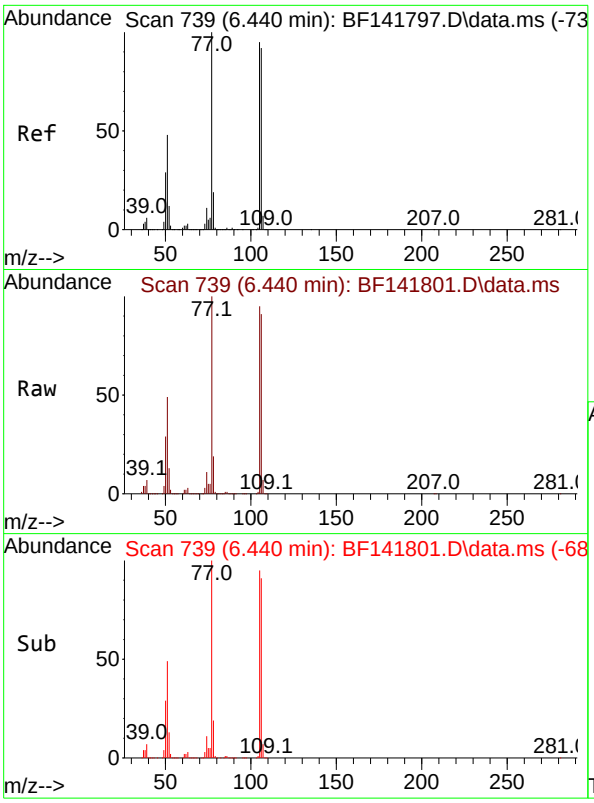


#8
2-Chlorophenol
Concen: 42.011 ng
RT: 6.675 min Scan# 779
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



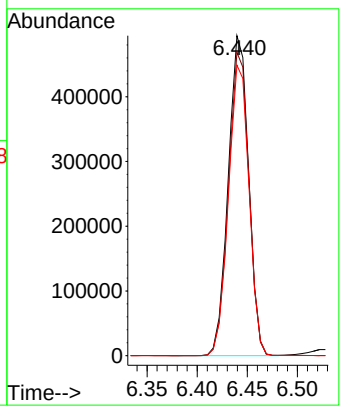


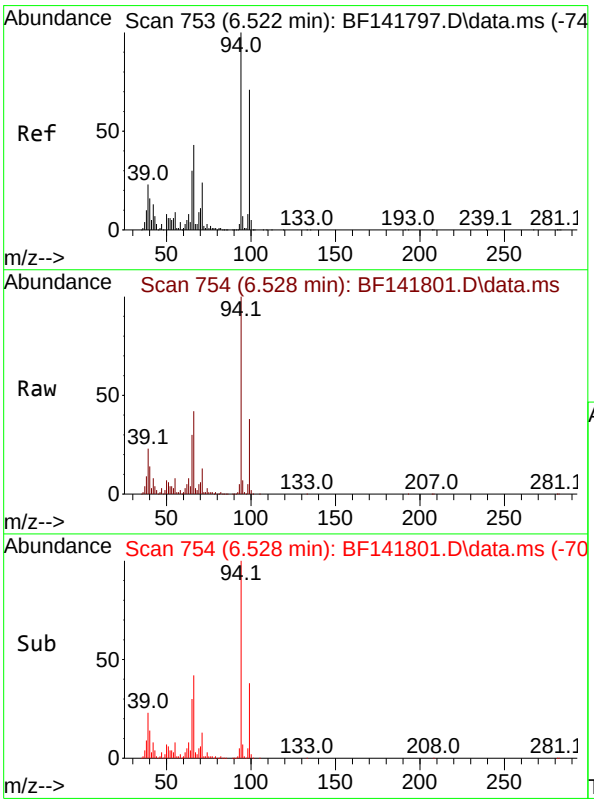
#9
Benzaldehyde
Concen: 43.684 ng
RT: 6.440 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

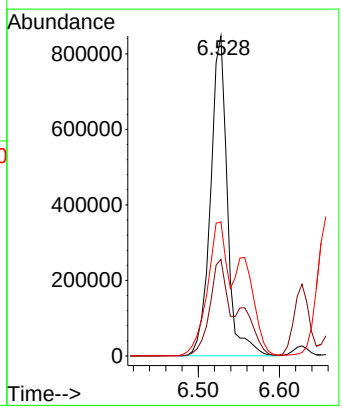


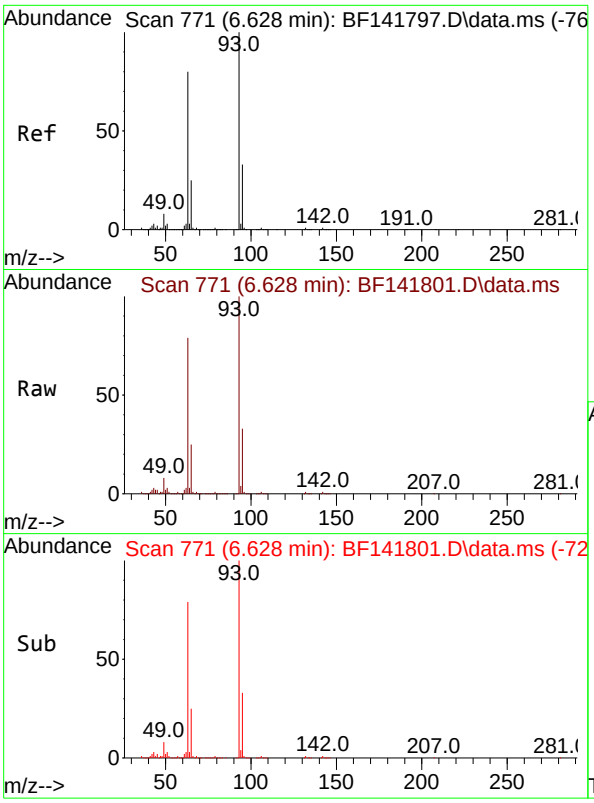


#10
Phenol
Concen: 41.614 ng
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



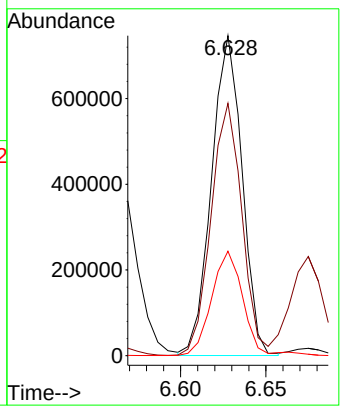


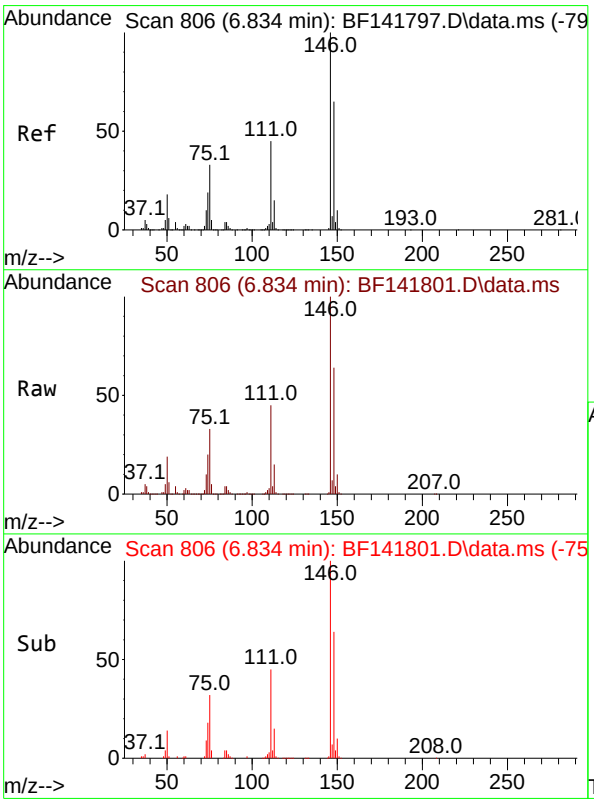
#11
bis(2-Chloroethyl)ether
Concen: 41.763 ng
RT: 6.628 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

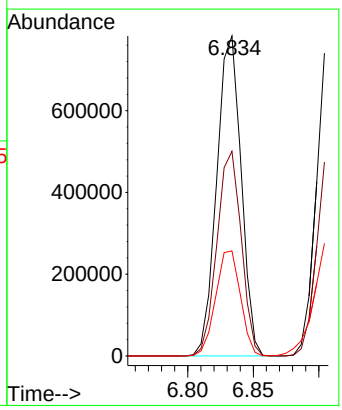


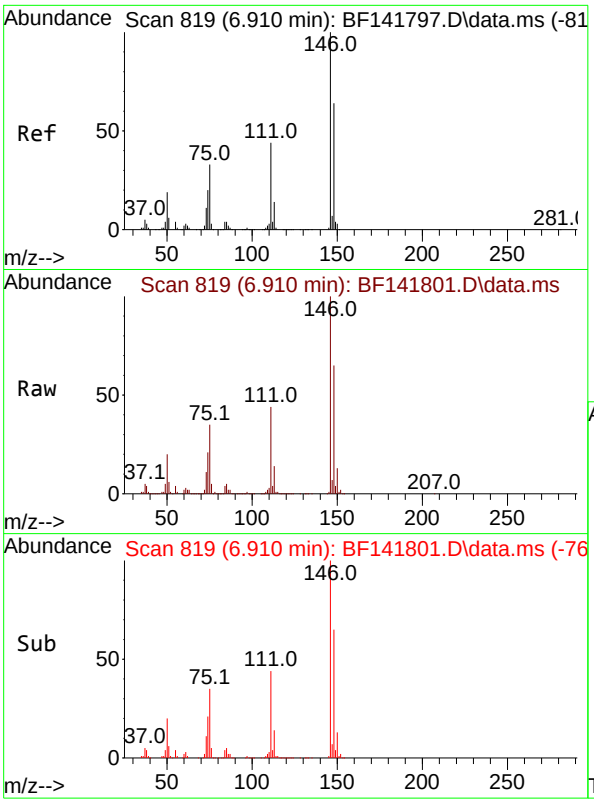


#12
1,3-Dichlorobenzene
Concen: 41.498 ng
RT: 6.834 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



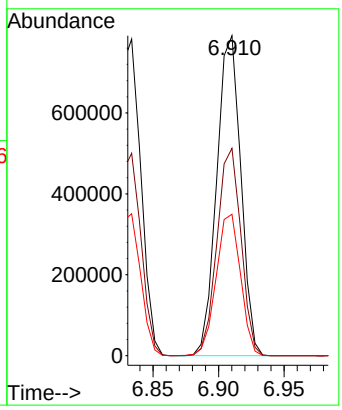


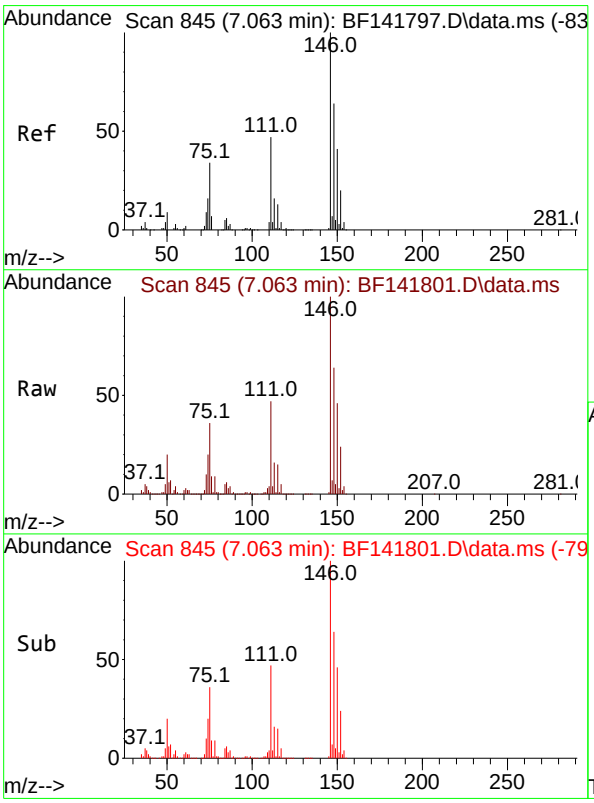
#13
1,4-Dichlorobenzene
Concen: 41.066 ng
RT: 6.910 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

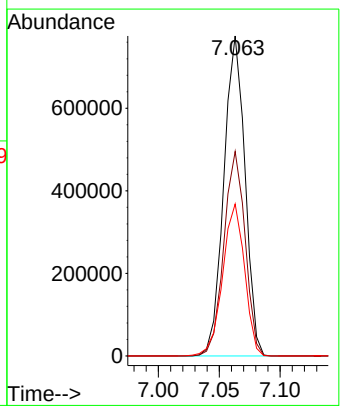


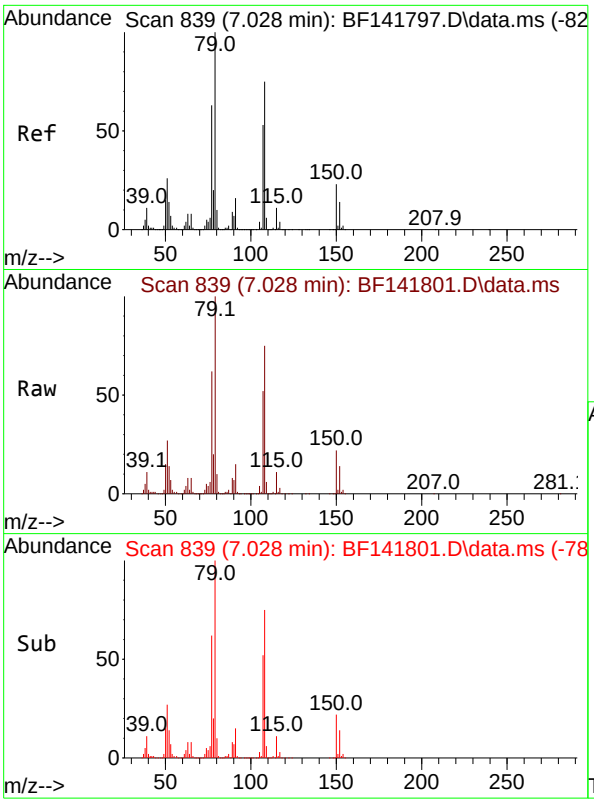


#14
1,2-Dichlorobenzene
Concen: 40.857 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



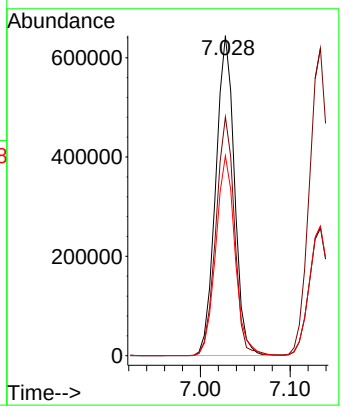


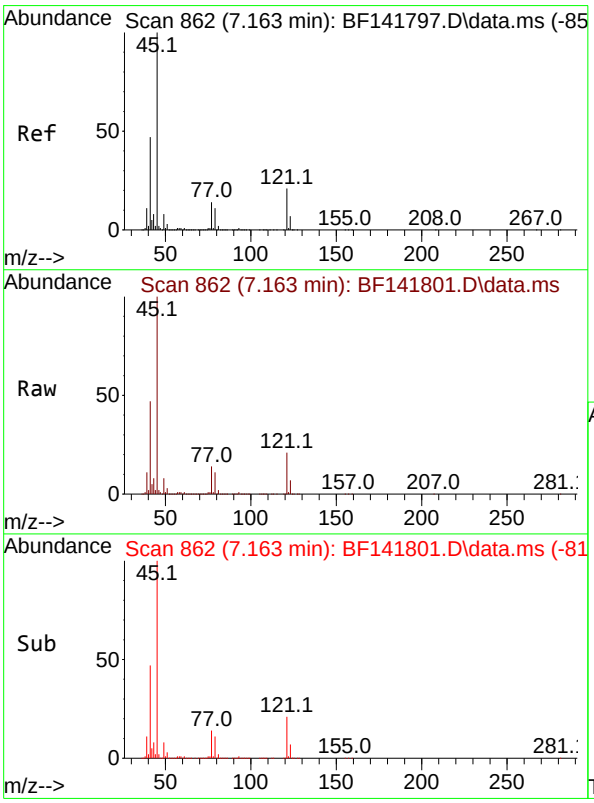
#15
Benzyl Alcohol
Concen: 42.564 ng
RT: 7.028 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

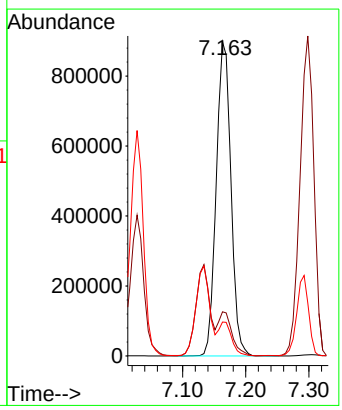


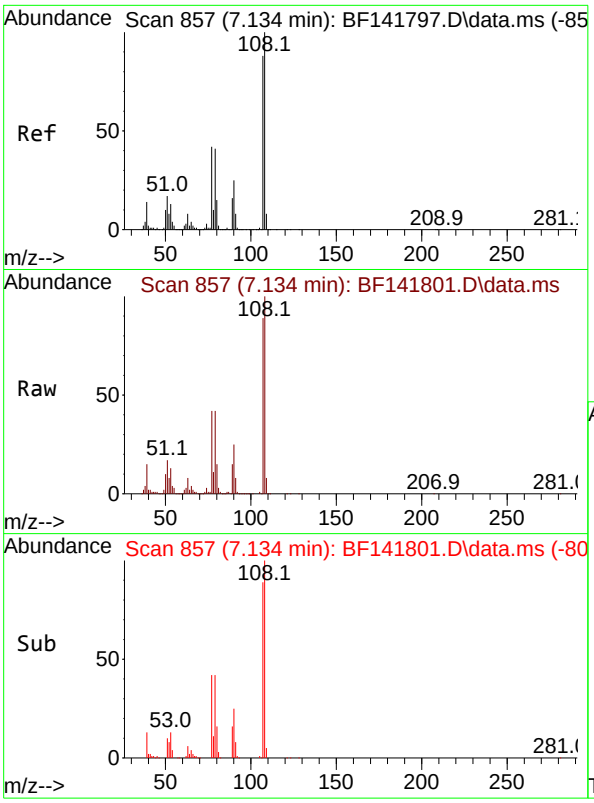


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.679 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



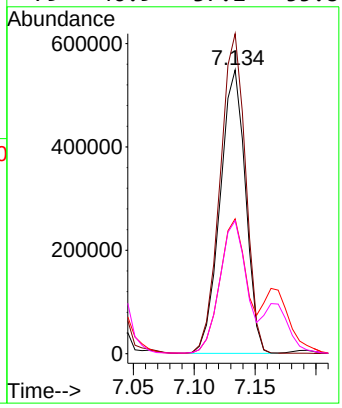


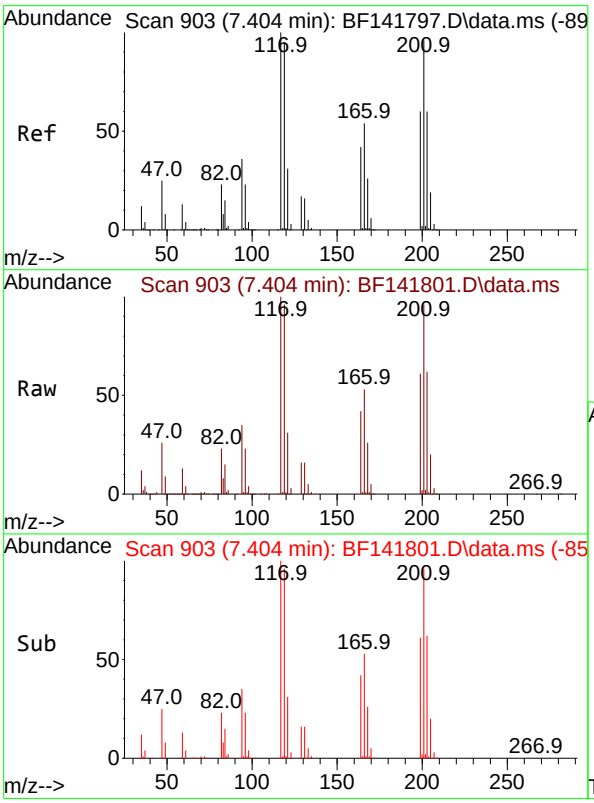
#17
2-Methylphenol
Concen: 42.365 ng
RT: 7.134 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

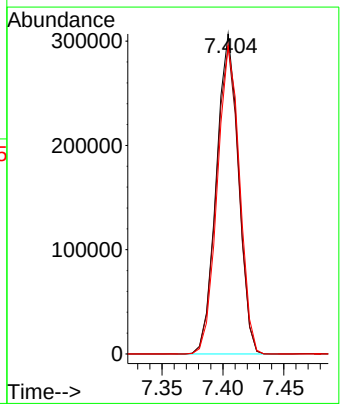


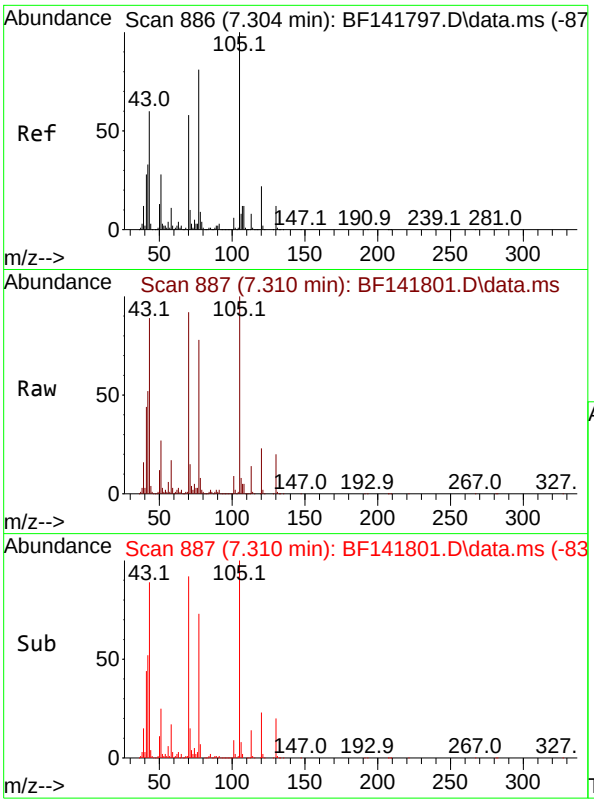


#18
Hexachloroethane
Concen: 42.366 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



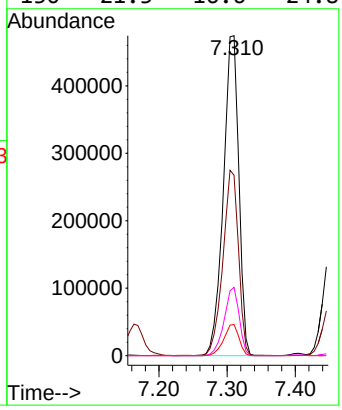


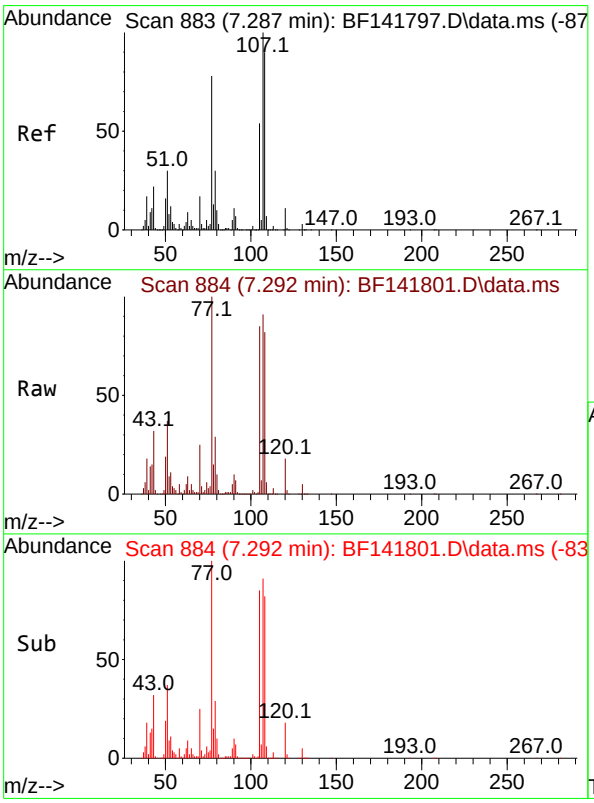
#19
n-Nitroso-di-n-propylamine
Concen: 41.525 ng
RT: 7.310 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

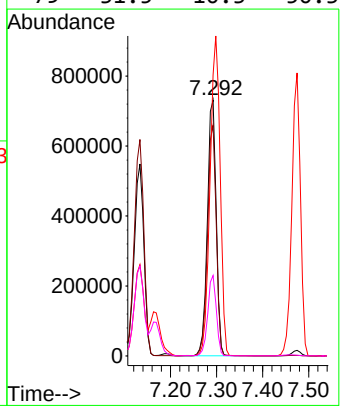


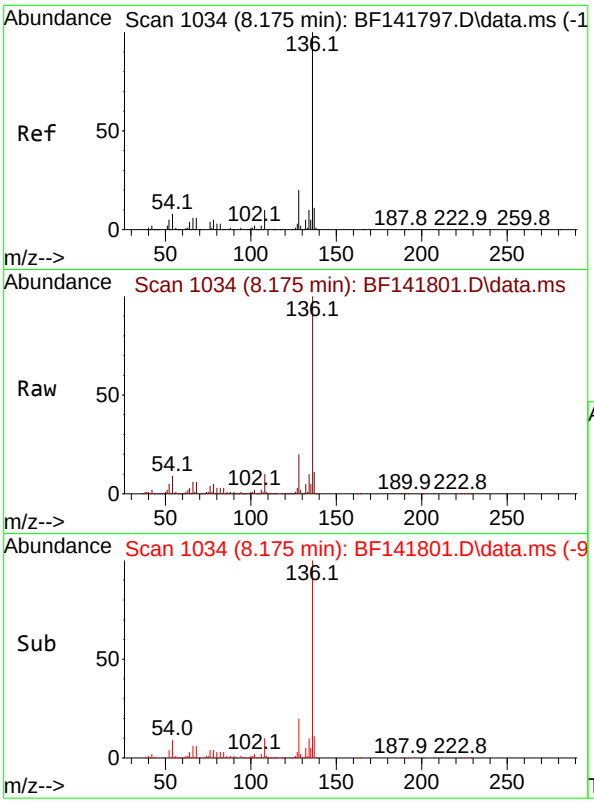


#20
3+4-Methylphenols
Concen: 41.840 ng
RT: 7.292 min Scan# 884
Delta R.T. 0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



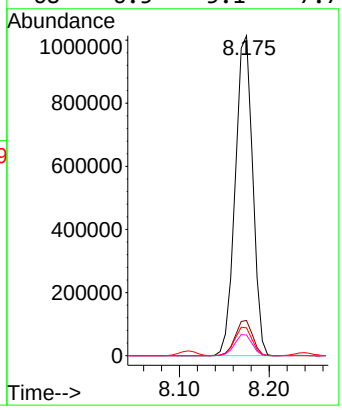


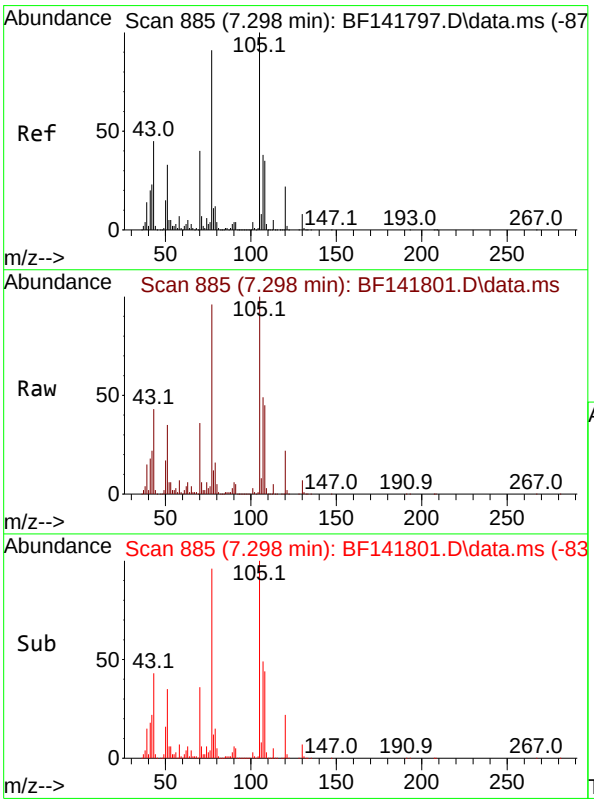
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

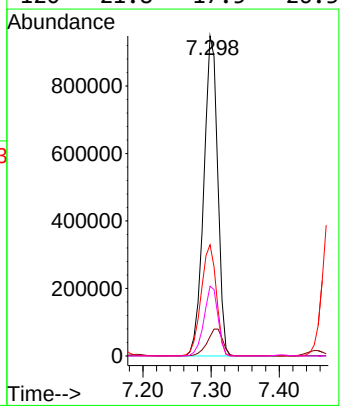


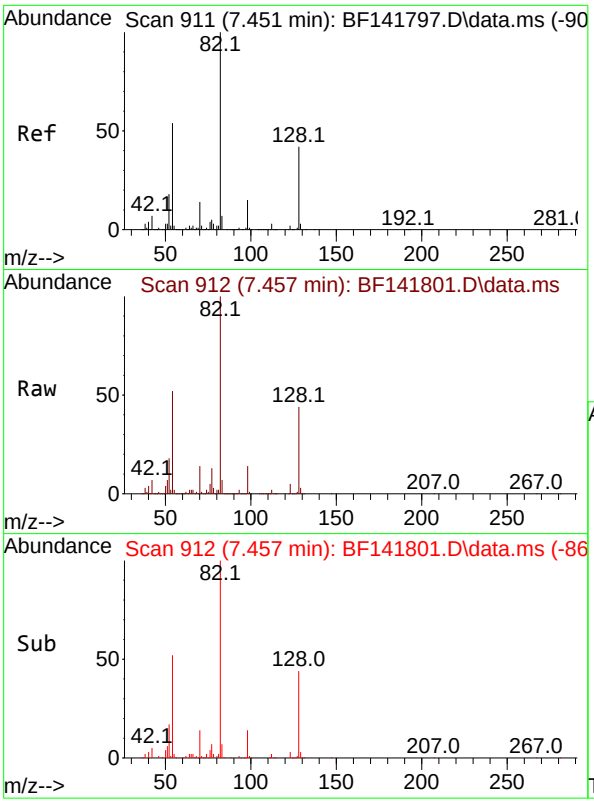


#22
Acetophenone
Concen: 40.417 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



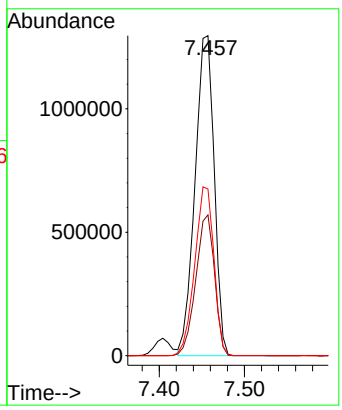


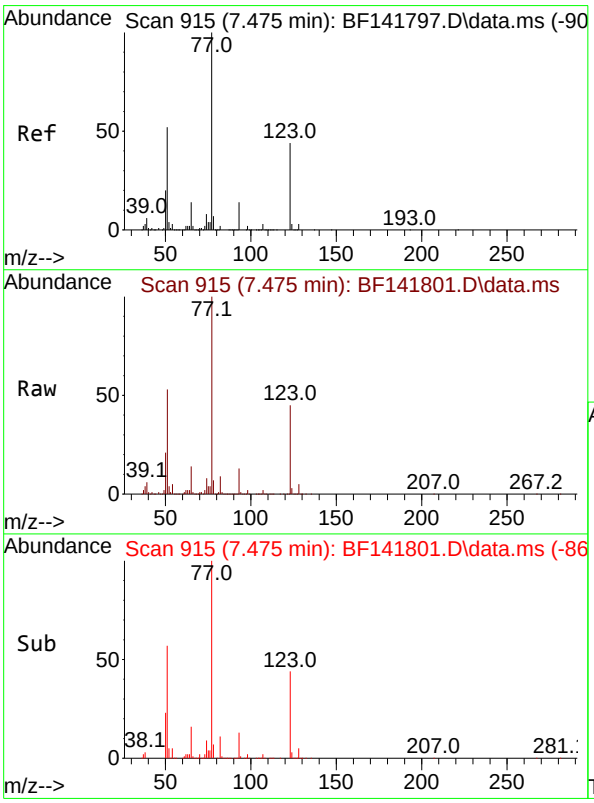
#23
Nitrobenzene-d5
Concen: 94.707 ng
RT: 7.457 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

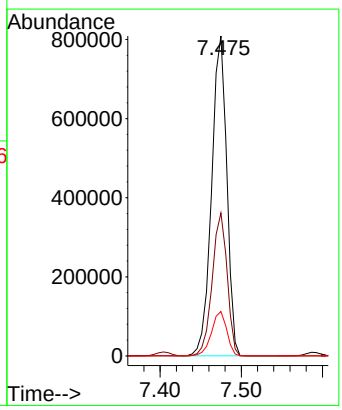


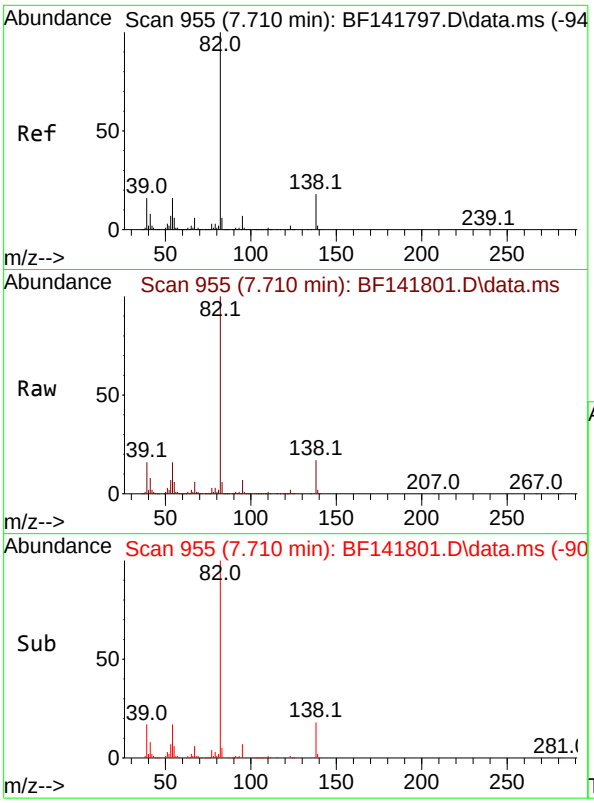


#24
Nitrobenzene
Concen: 45.751 ng
RT: 7.475 min Scan# 915
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



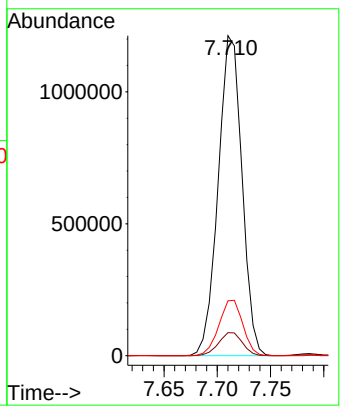


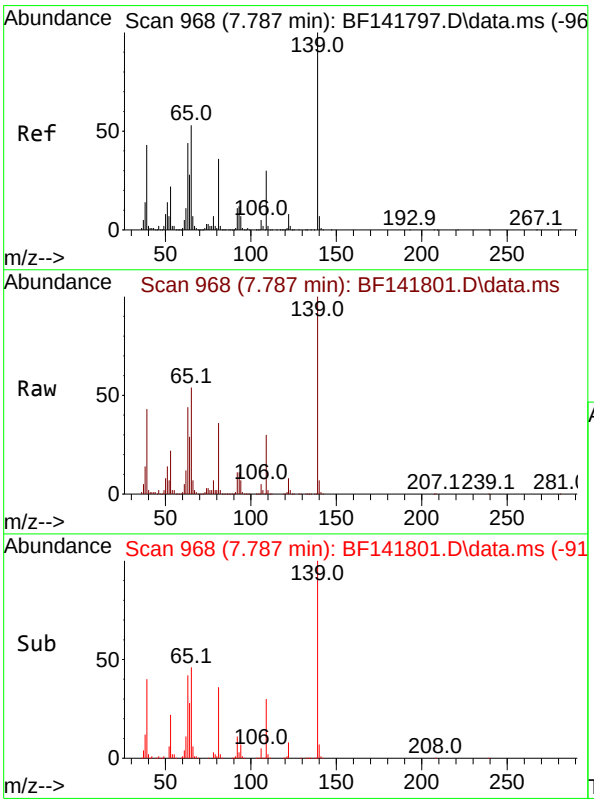
#25
Isophorone
Concen: 40.944 ng
RT: 7.710 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

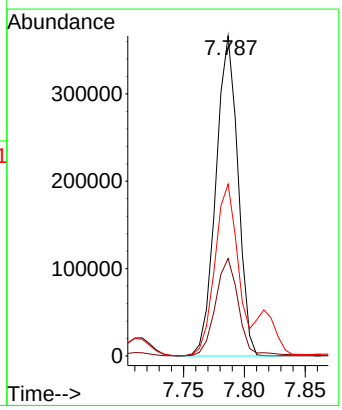


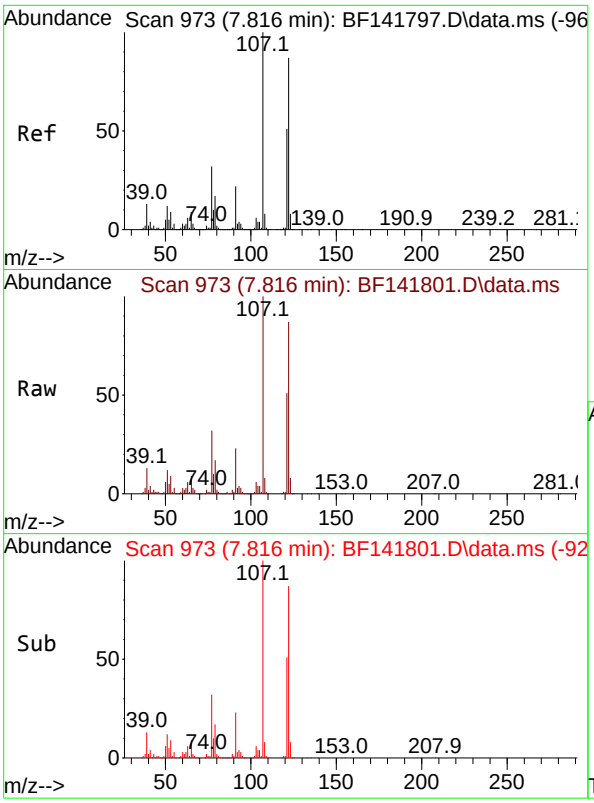


#26
2-Nitrophenol
Concen: 45.447 ng
RT: 7.787 min Scan# 968
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



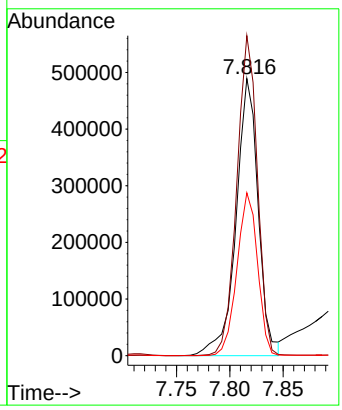


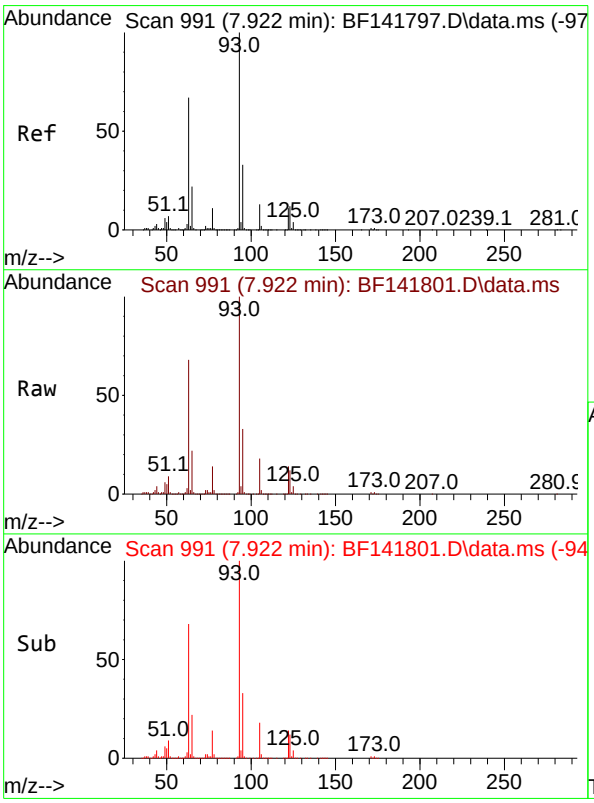
#27
2,4-Dimethylphenol
Concen: 41.931 ng
RT: 7.816 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

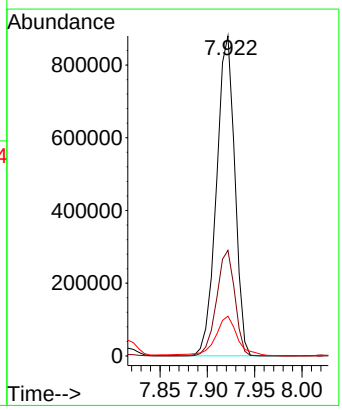


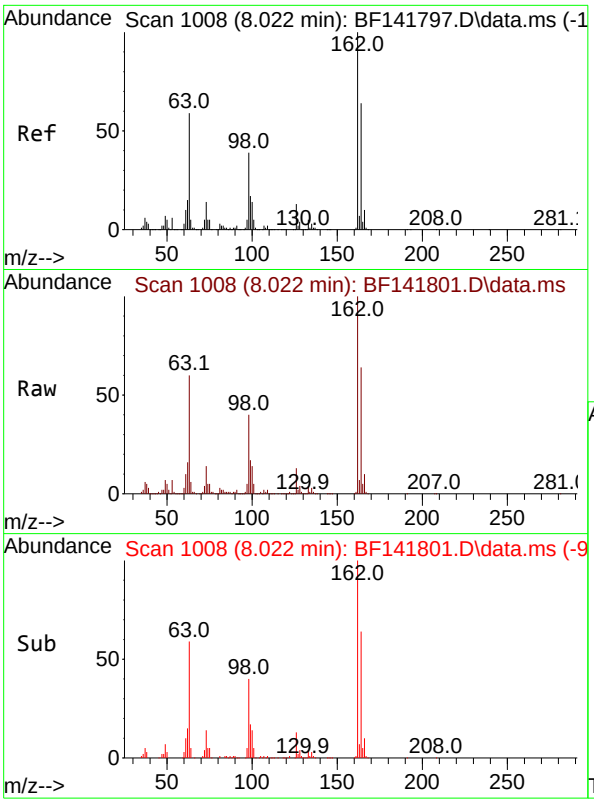


#28
bis(2-Chloroethoxy)methane
Concen: 40.357 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



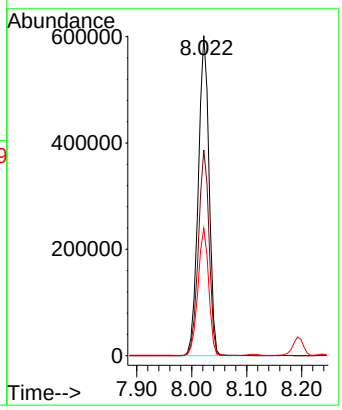


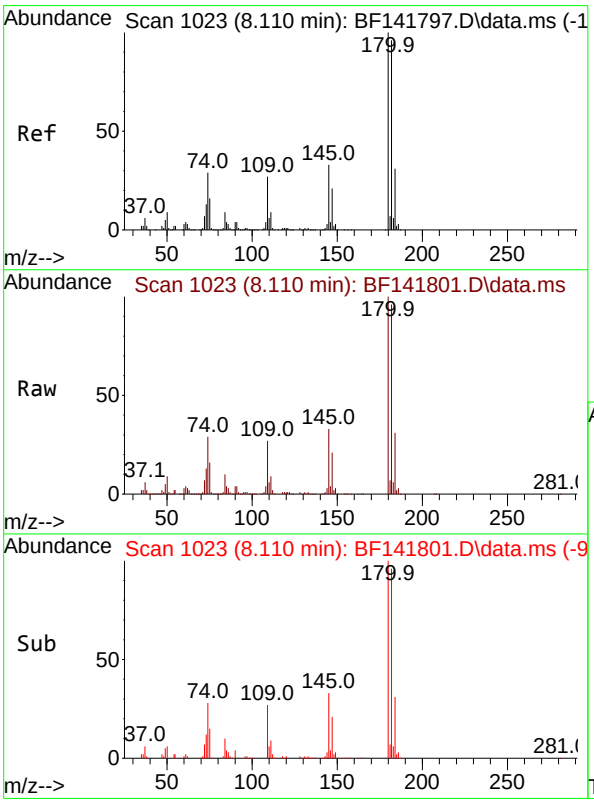
#29
2,4-Dichlorophenol
Concen: 42.157 ng
RT: 8.022 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

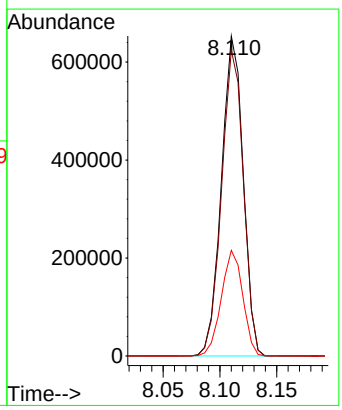


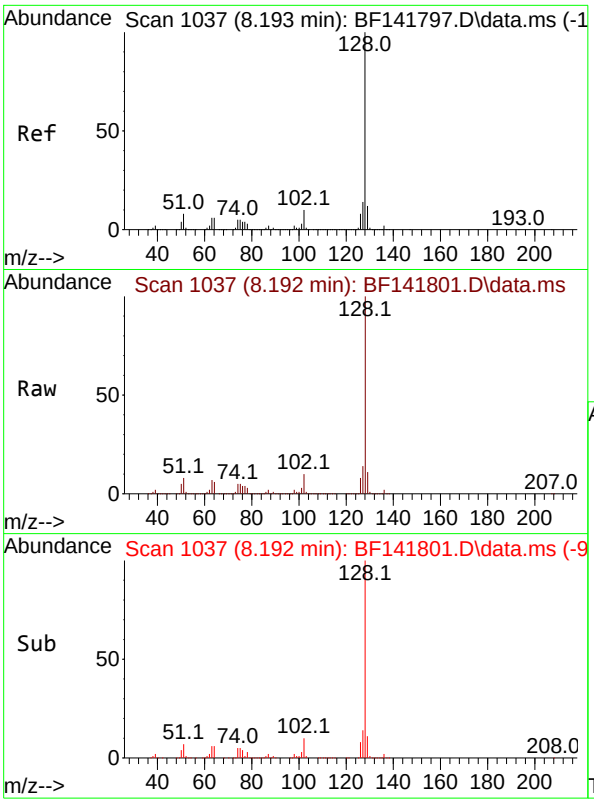


#30
1,2,4-Trichlorobenzene
Concen: 40.757 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



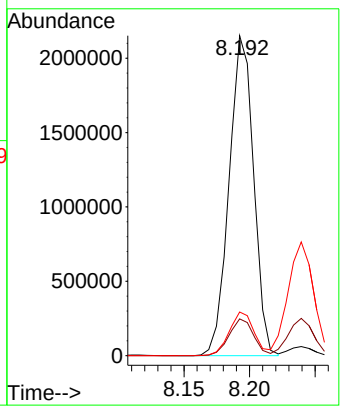


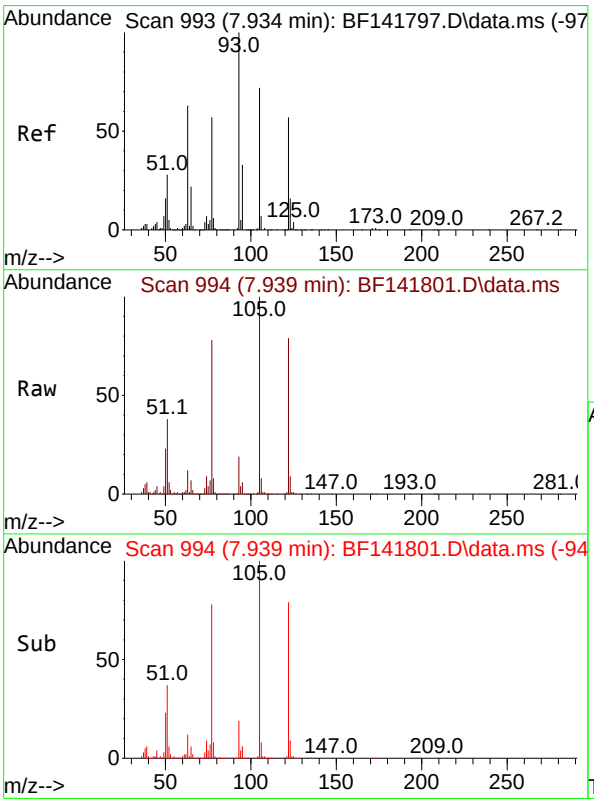
#31
Naphthalene
Concen: 39.854 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

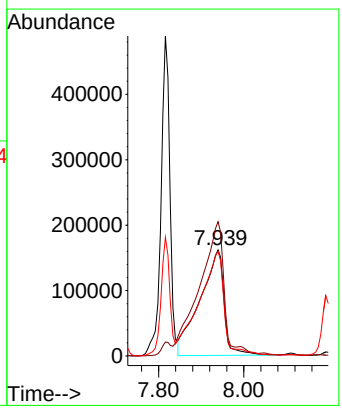


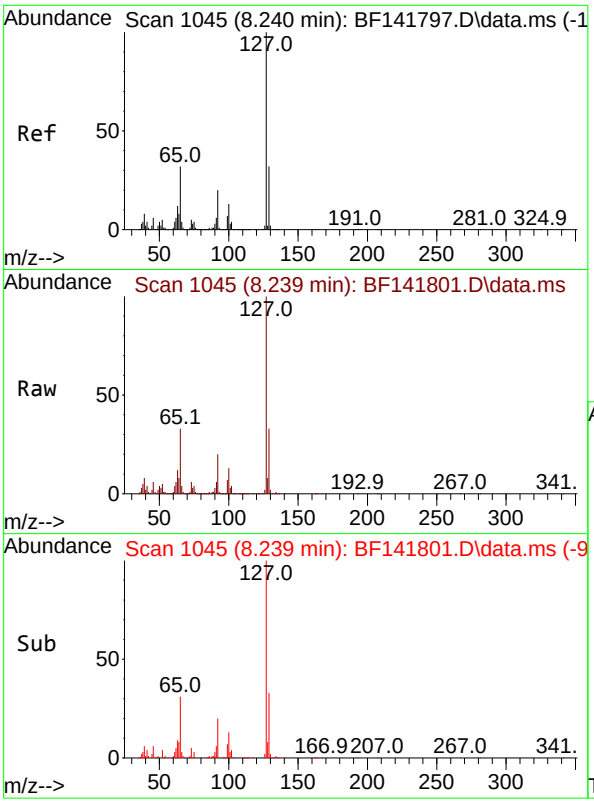


#32
Benzoic acid
Concen: 45.545 ng
RT: 7.939 min Scan# 994
Delta R.T. 0.005 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



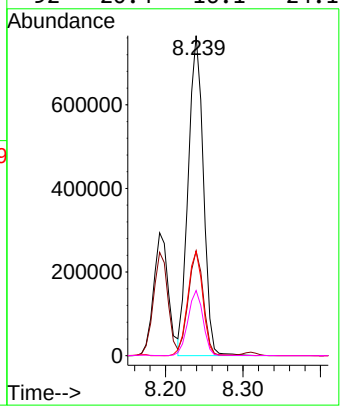


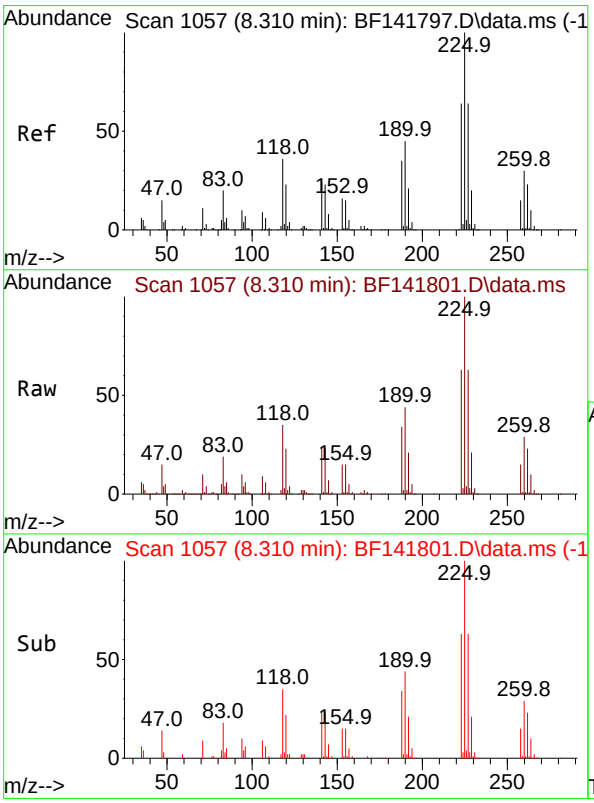
#33
4-Chloroaniline
Concen: 40.096 ng
RT: 8.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

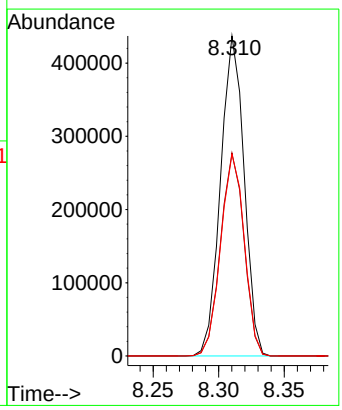


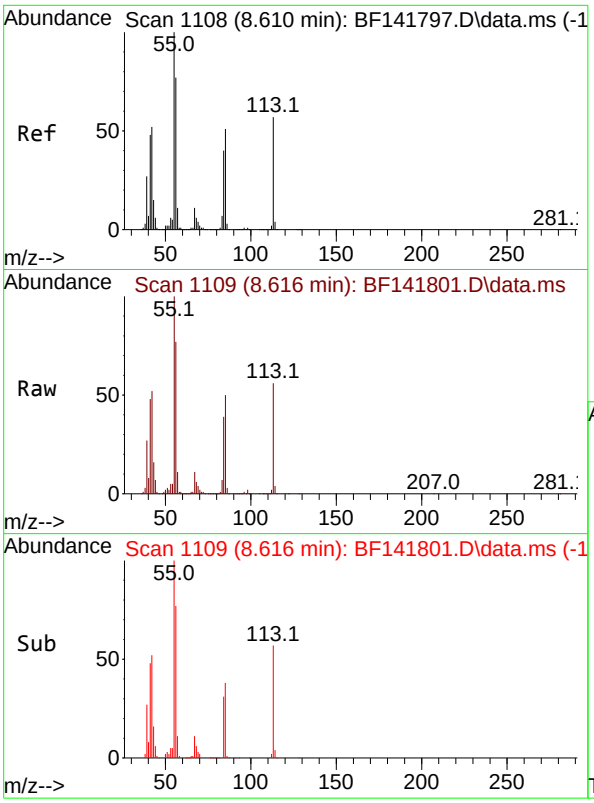


#34
Hexachlorobutadiene
Concen: 41.042 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



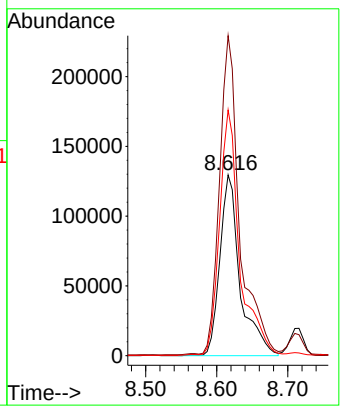


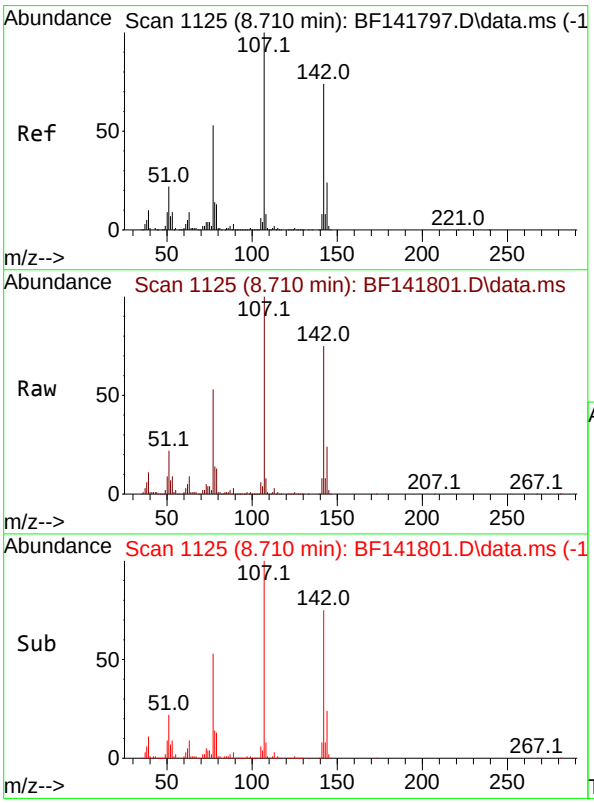
#35
Caprolactam
Concen: 42.737 ng
RT: 8.616 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

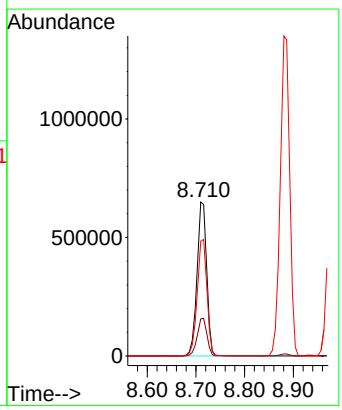


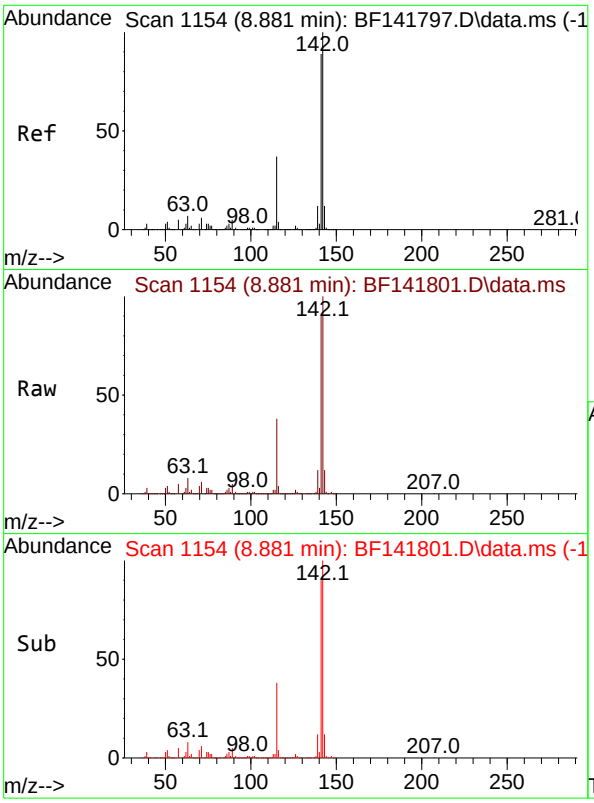


#36
4-Chloro-3-methylphenol
Concen: 41.844 ng
RT: 8.710 min Scan# 1125
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



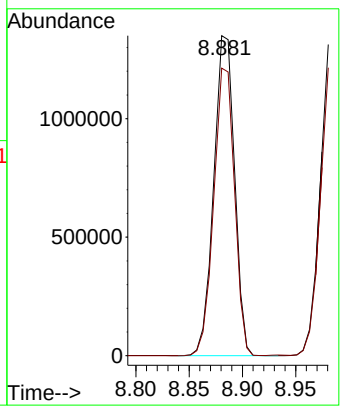


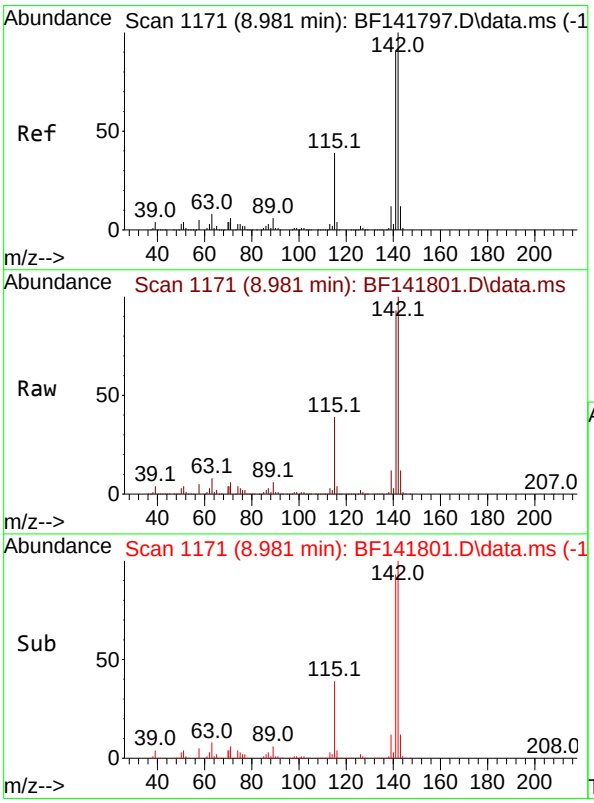
#37
2-Methylnaphthalene
Concen: 39.710 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:142 Resp: 1830313

Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.1	106.7

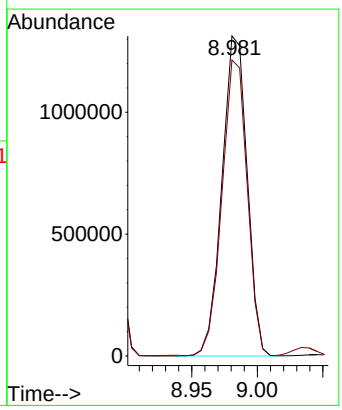


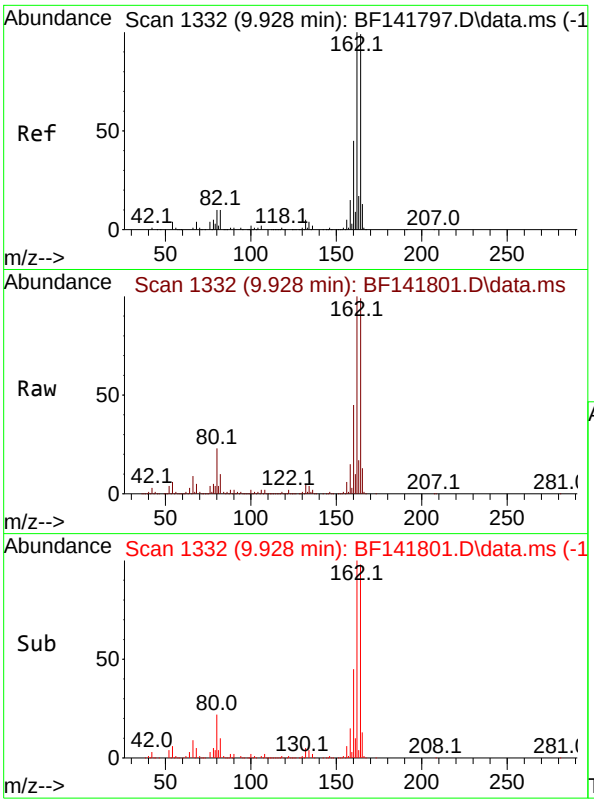


#38
1-Methylnaphthalene
Concen: 39.635 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:142 Resp: 1752937

Ion	Ratio	Lower	Upper
142	100		
141	92.5	73.1	109.7



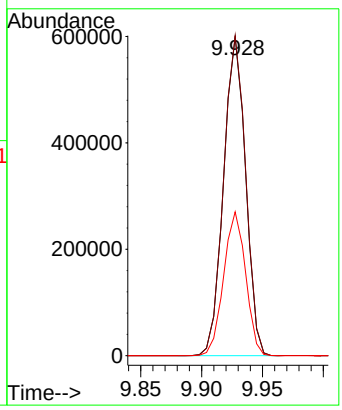


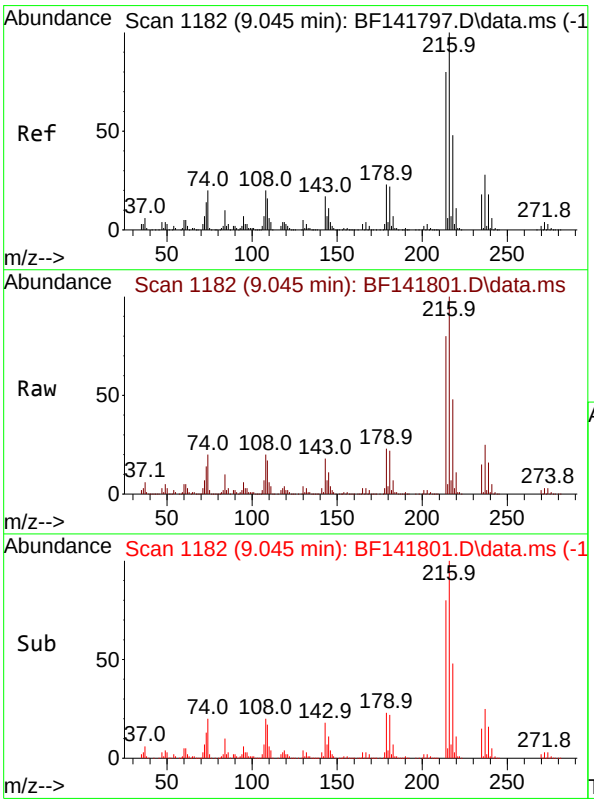
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

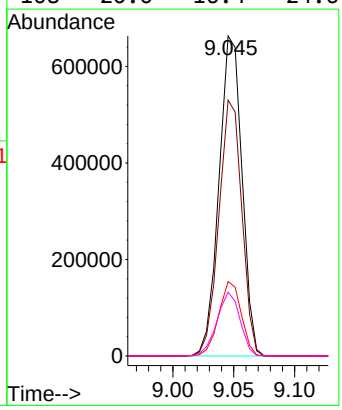


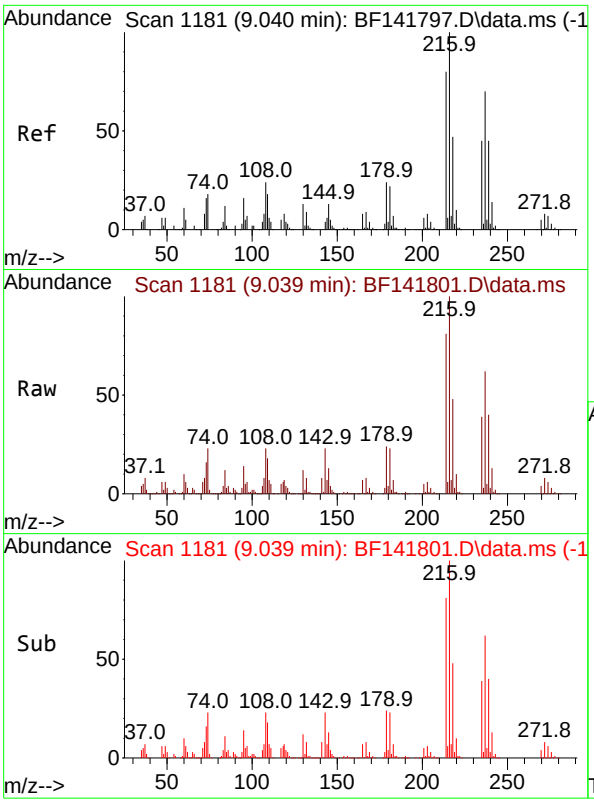


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.086 ng
RT: 9.045 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



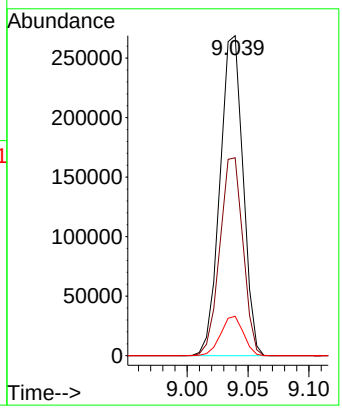


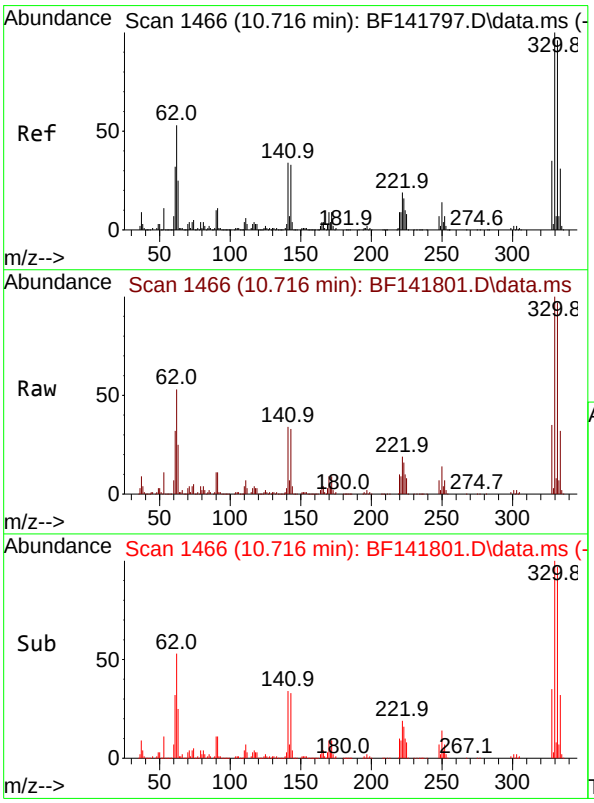
#41
Hexachlorocyclopentadiene
Concen: 38.975 ng
RT: 9.039 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

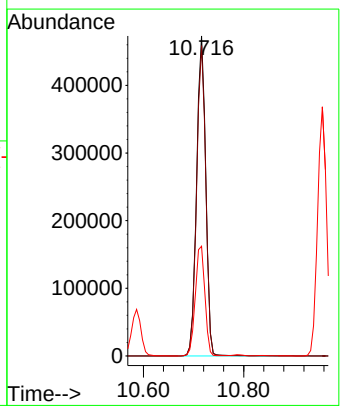


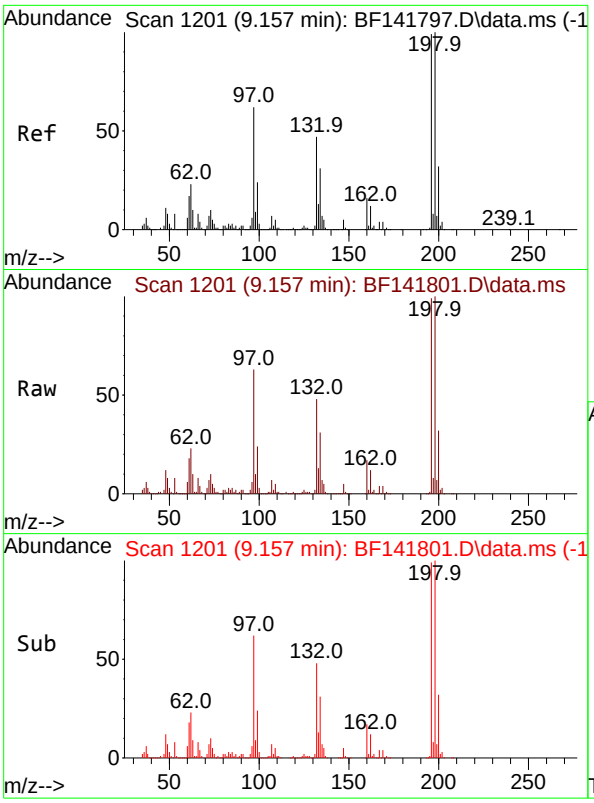


#42
2,4,6-Tribromophenol
Concen: 84.321 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



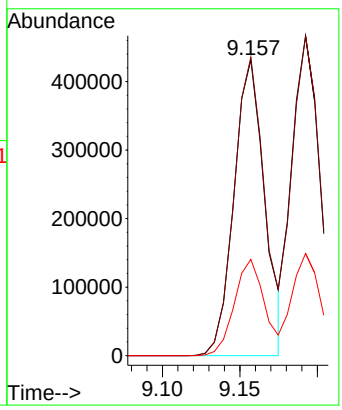


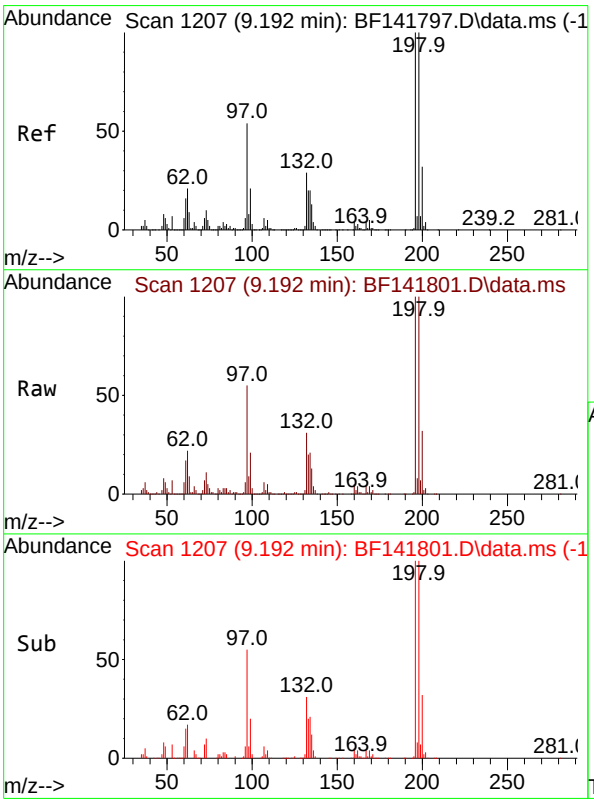
#43
2,4,6-Trichlorophenol
Concen: 42.156 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

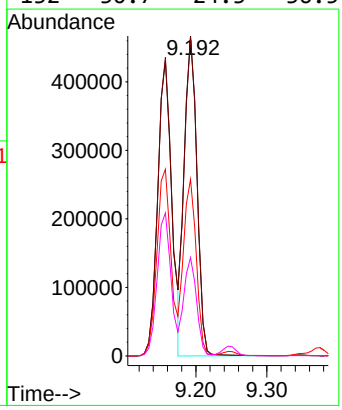


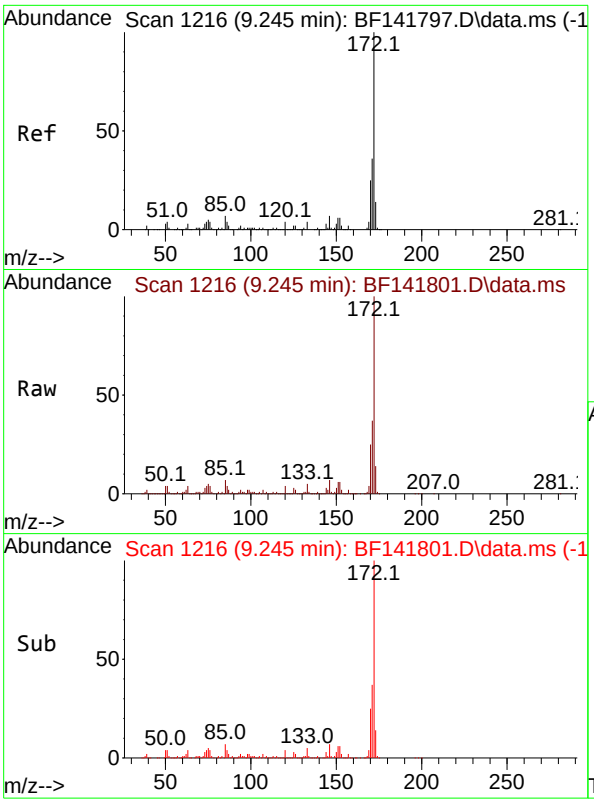


#44
2,4,5-Trichlorophenol
Concen: 41.806 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



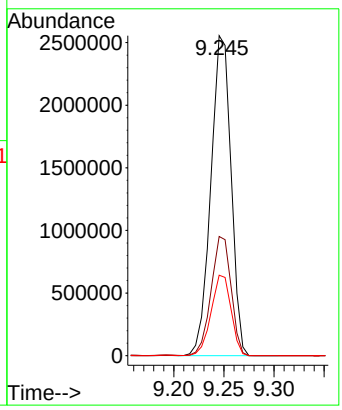


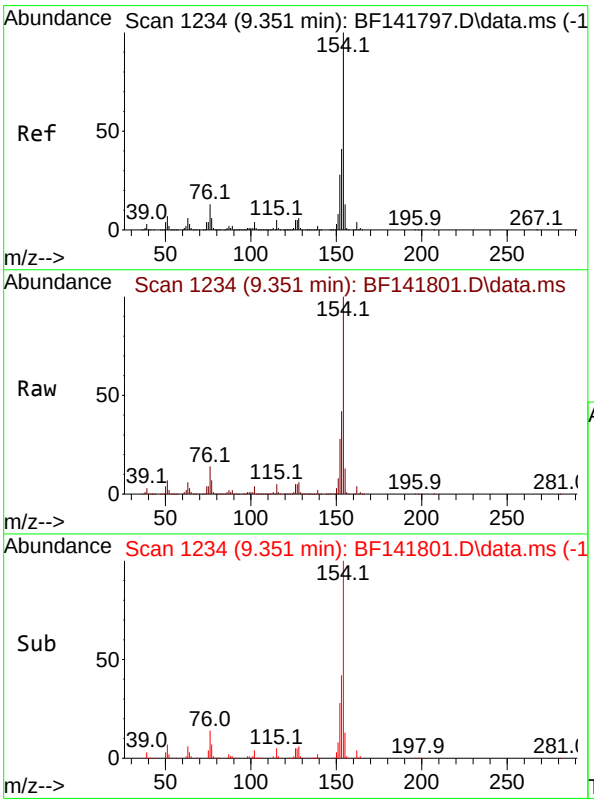
#45
2-Fluorobiphenyl
Concen: 75.957 ng
RT: 9.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

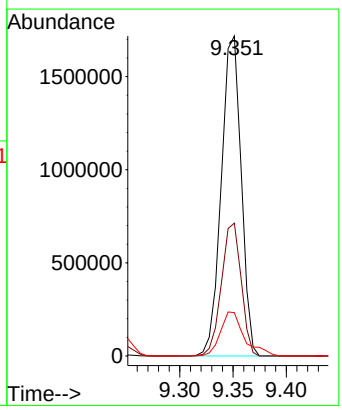


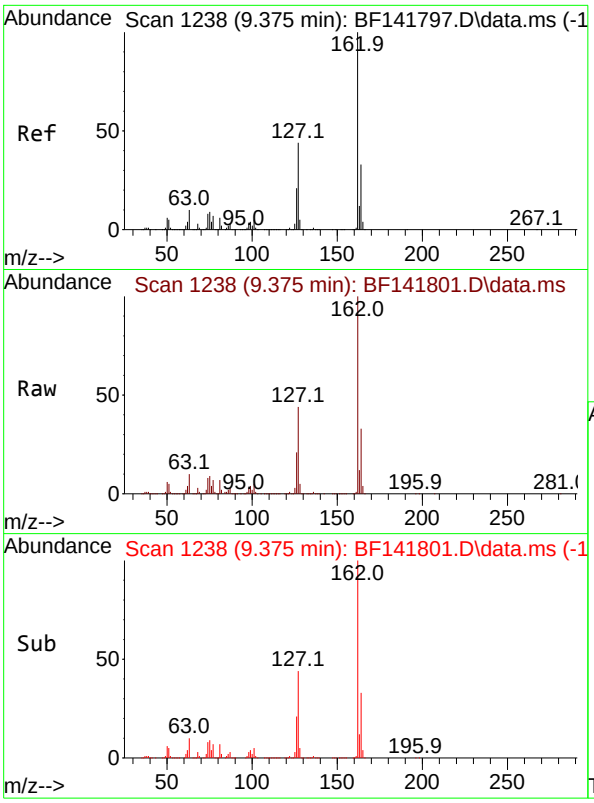


#46
1,1'-Biphenyl
Concen: 38.864 ng
RT: 9.351 min Scan# 1234
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



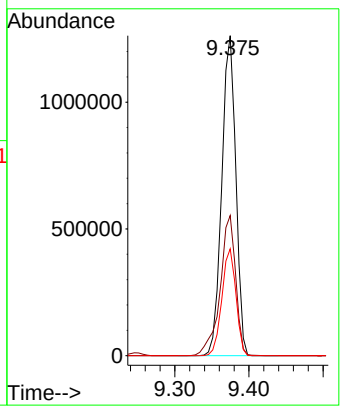


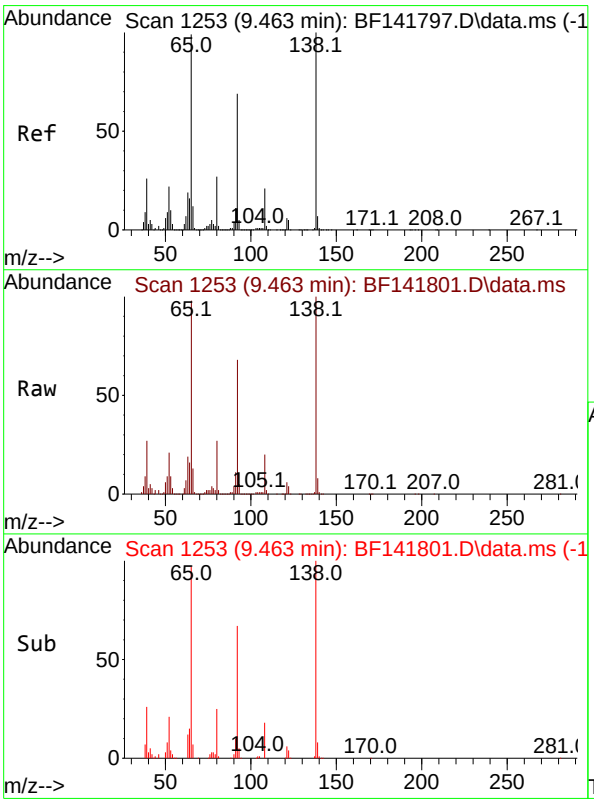
#47
2-Chloronaphthalene
Concen: 39.288 ng
RT: 9.375 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

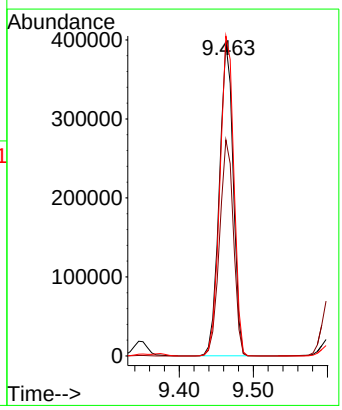


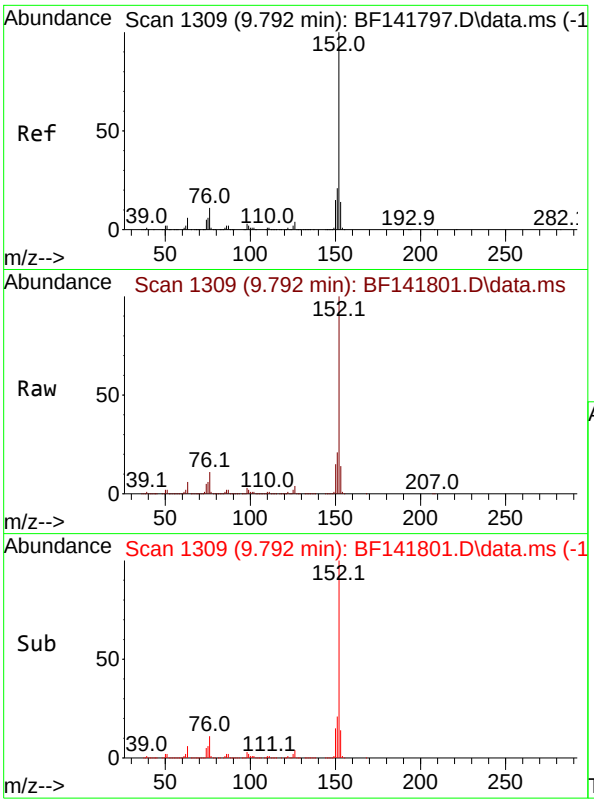


#48
2-Nitroaniline
Concen: 44.684 ng
RT: 9.463 min Scan# 1253
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



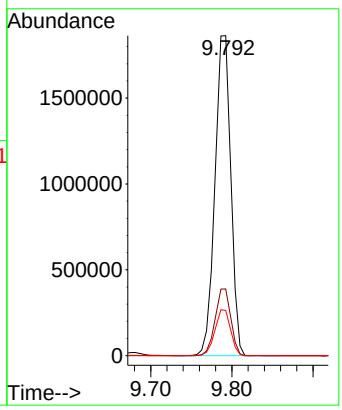


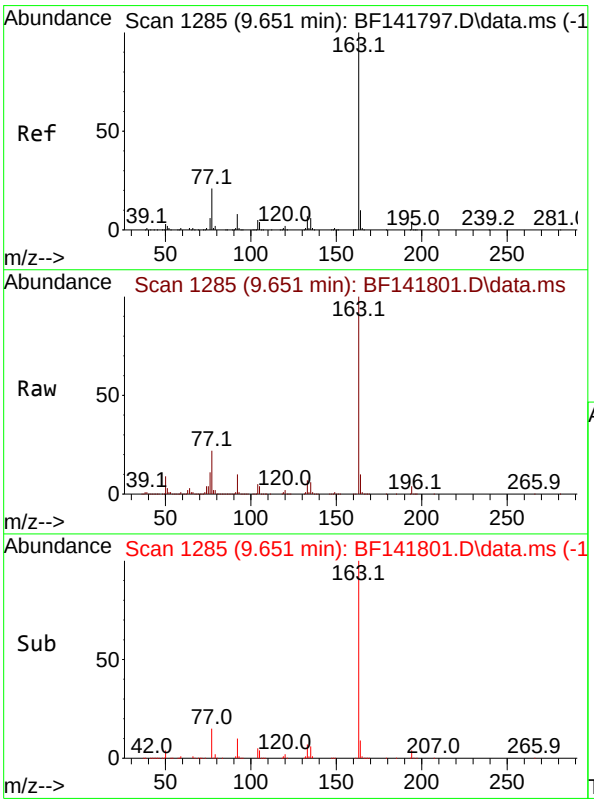
#49
Acenaphthylene
Concen: 39.907 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

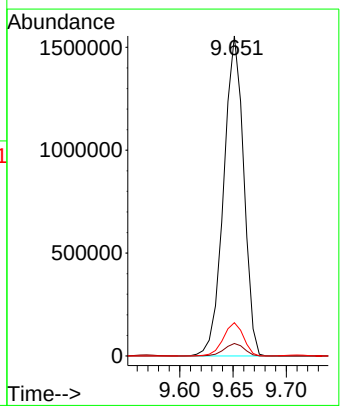


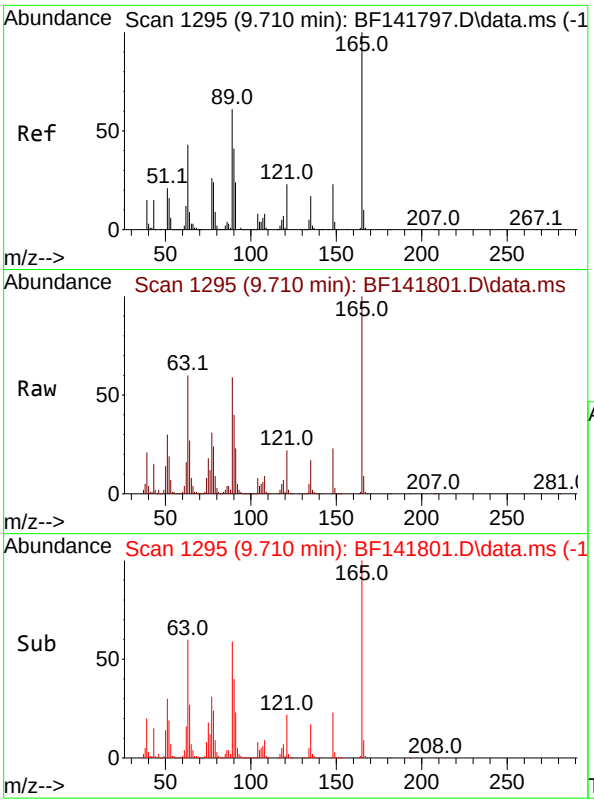


#50
Dimethylphthalate
Concen: 40.250 ng
RT: 9.651 min Scan# 1285
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



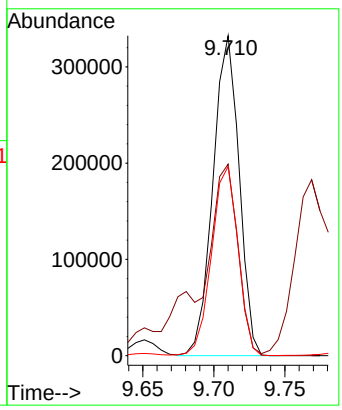


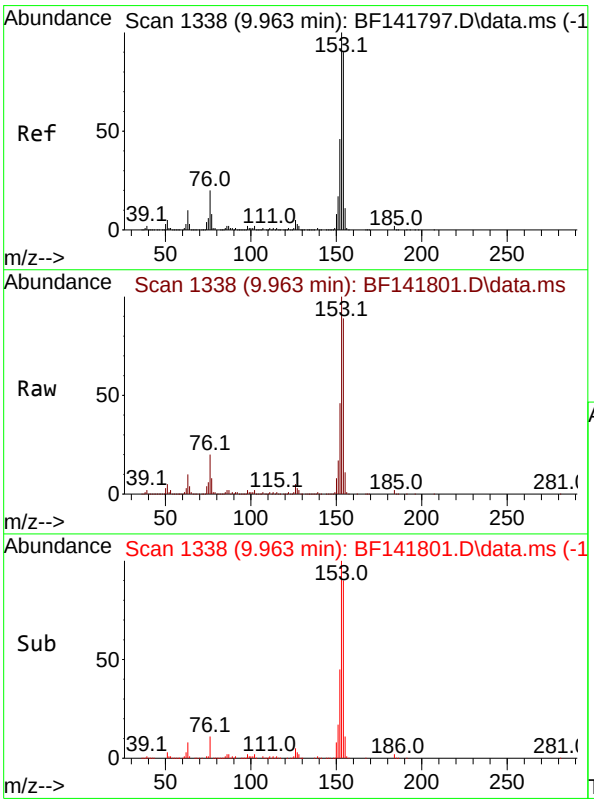
#51
2,6-Dinitrotoluene
Concen: 44.292 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

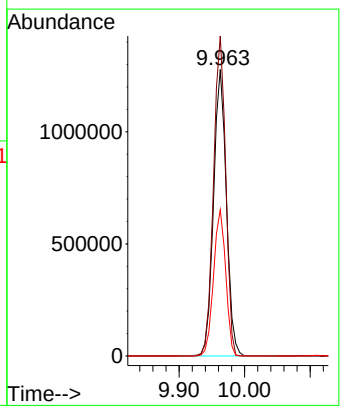


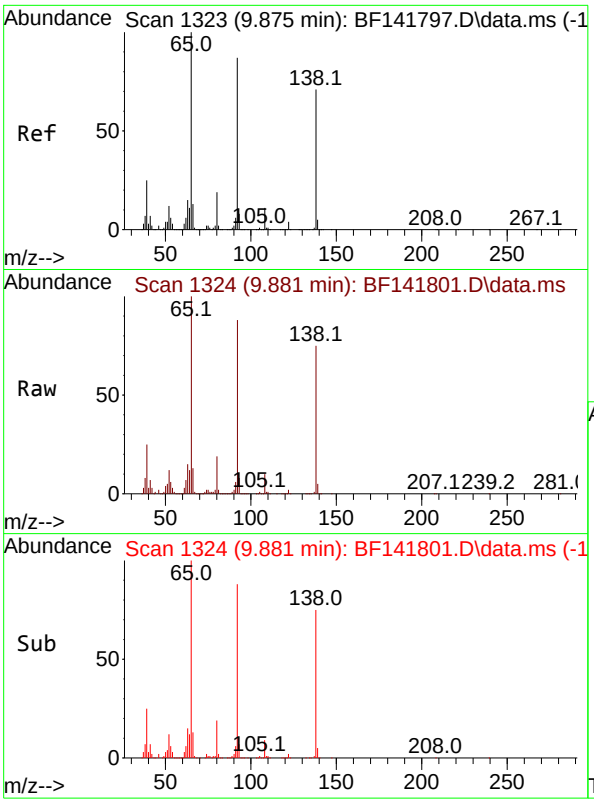


#52
Acenaphthene
Concen: 40.488 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



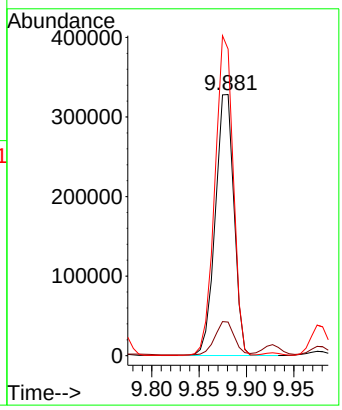


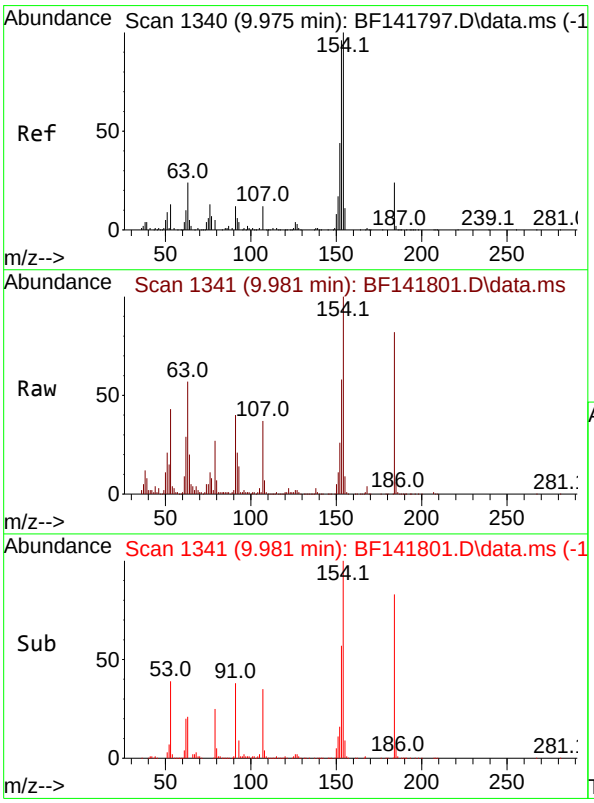
#53
3-Nitroaniline
Concen: 43.938 ng
RT: 9.881 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

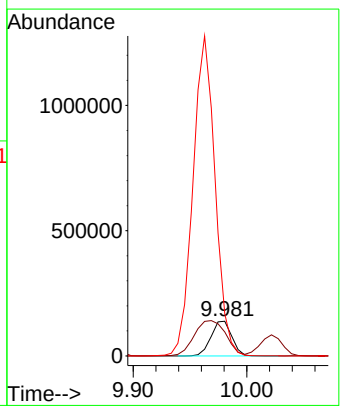


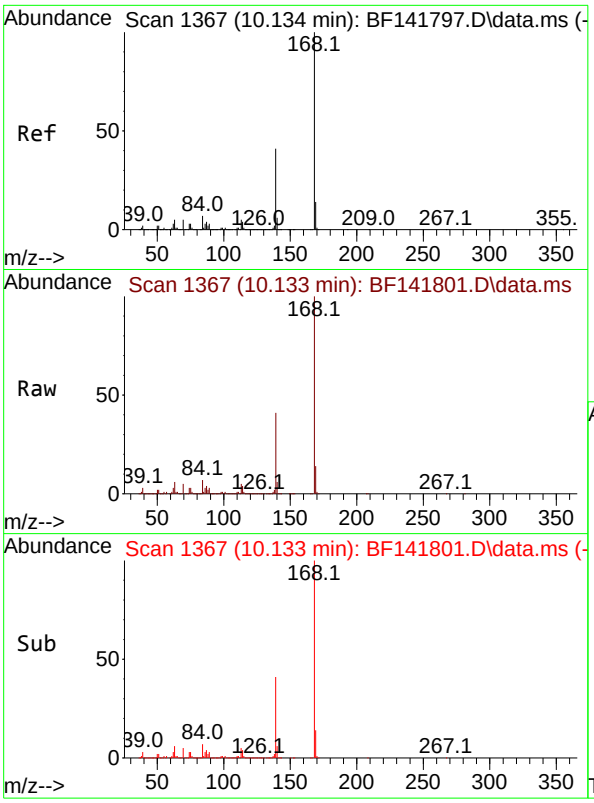


#54
2,4-Dinitrophenol
Concen: 47.494 ng
RT: 9.981 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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#



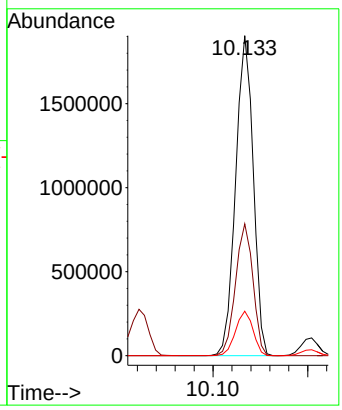


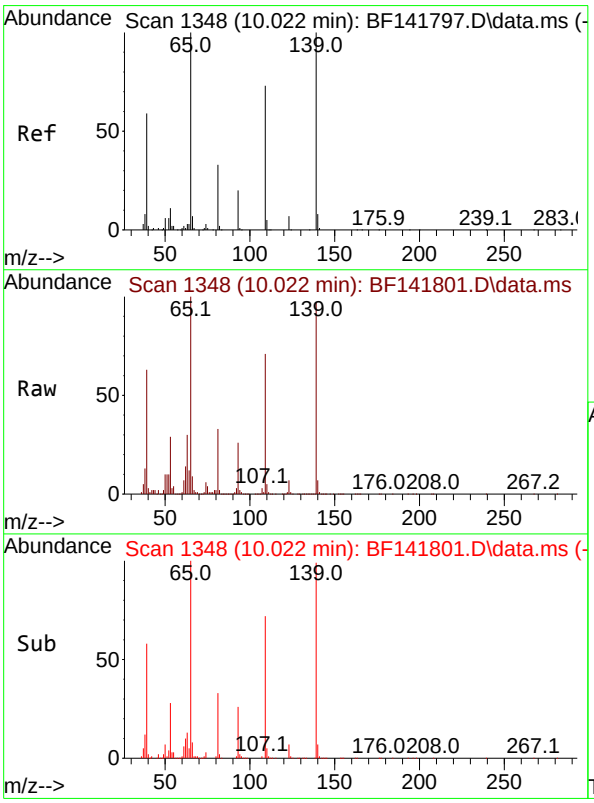
#55
Dibenzofuran
Concen: 39.391 ng
RT: 10.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

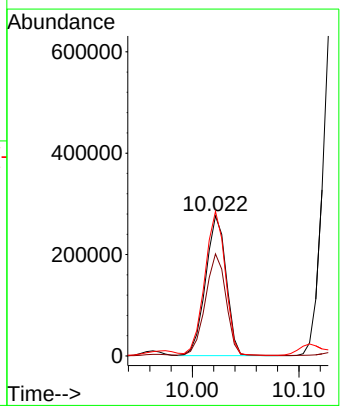


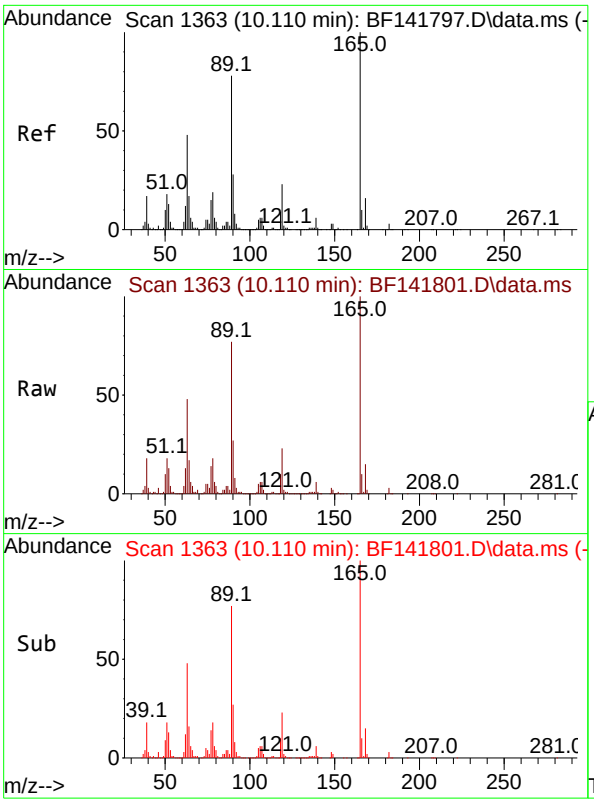


#56
4-Nitrophenol
Concen: 49.725 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



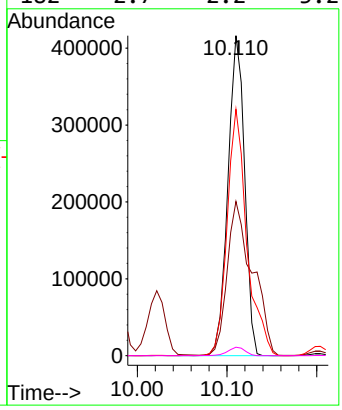


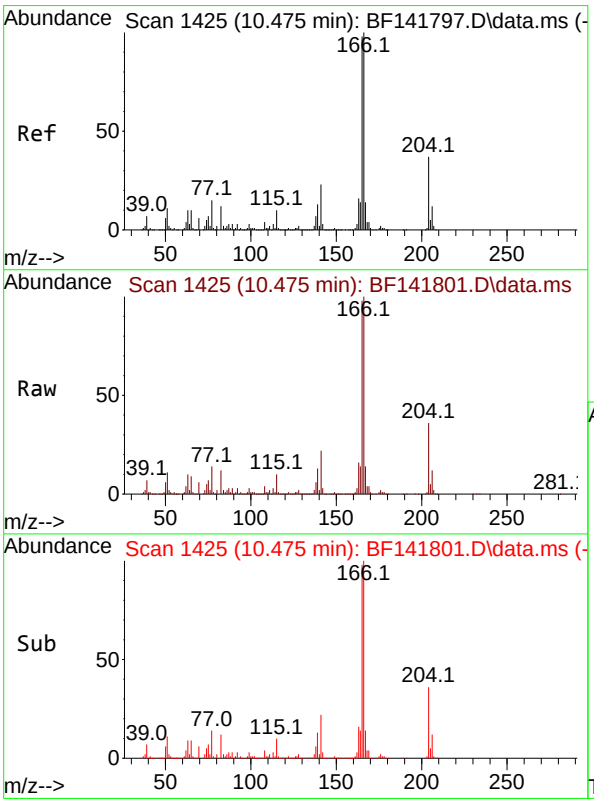
#57
2,4-Dinitrotoluene
Concen: 45.704 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

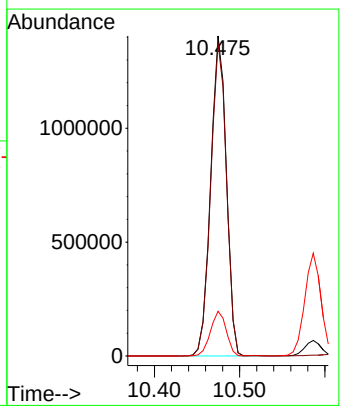


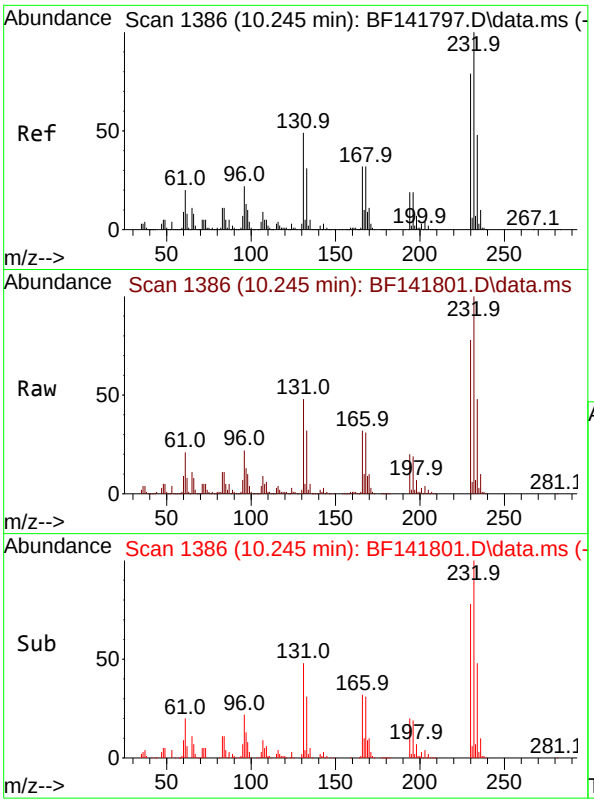


#58
Fluorene
Concen: 38.547 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



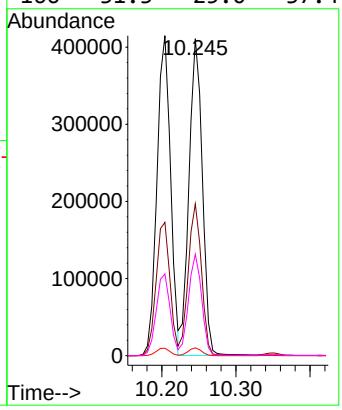


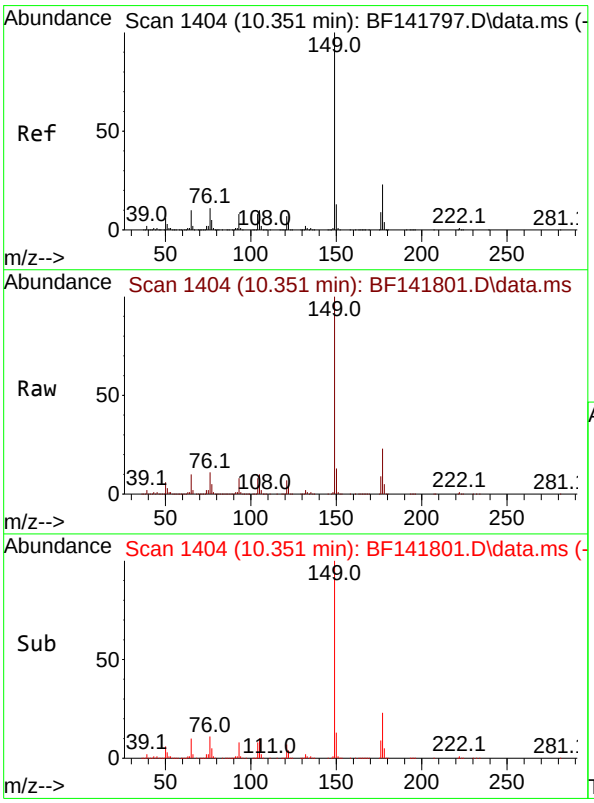
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.607 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

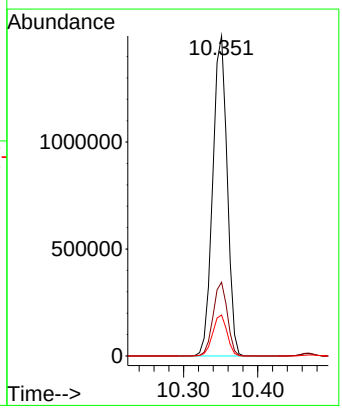


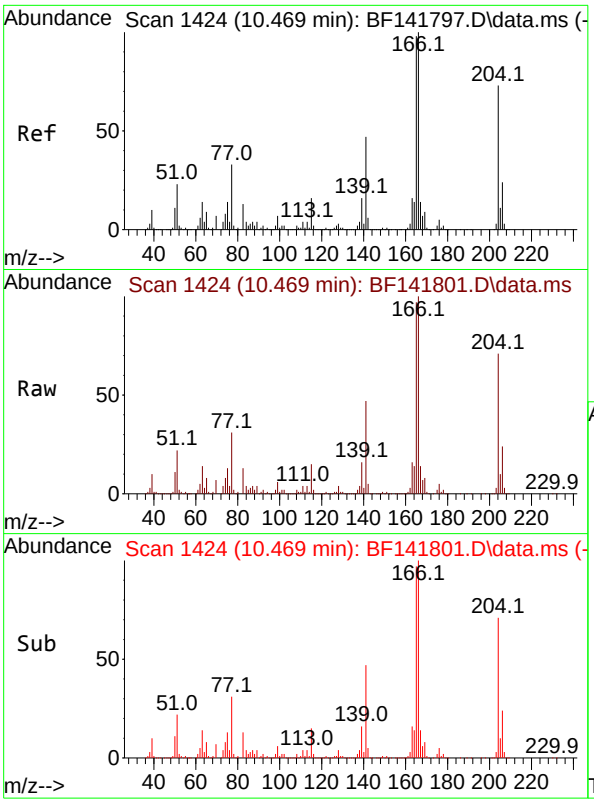


#60
Diethylphthalate
Concen: 39.896 ng
RT: 10.351 min Scan# 1404
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



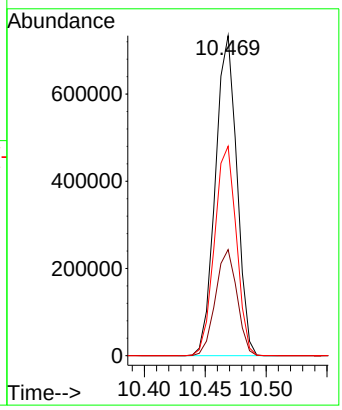


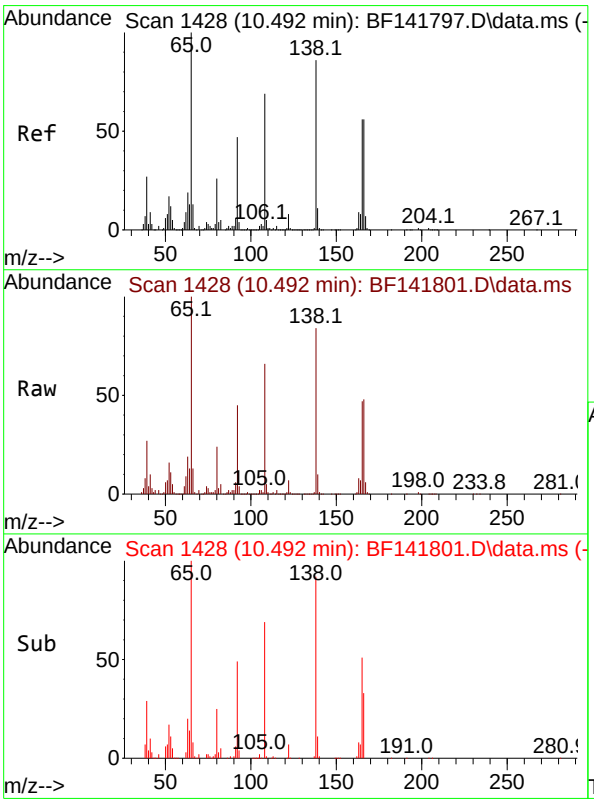
#61
4-Chlorophenyl-phenylether
Concen: 38.546 ng
RT: 10.469 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

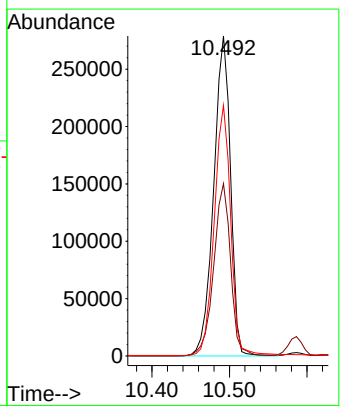


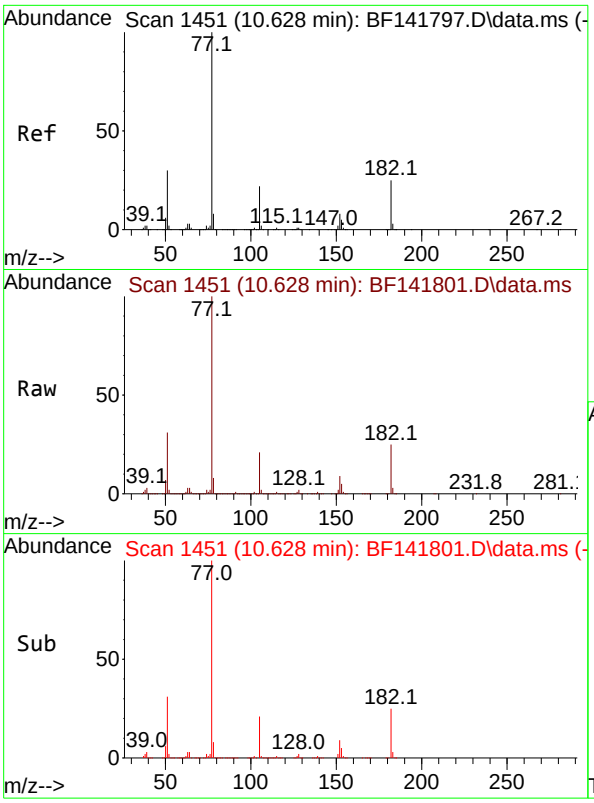


#62
4-Nitroaniline
Concen: 48.866 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



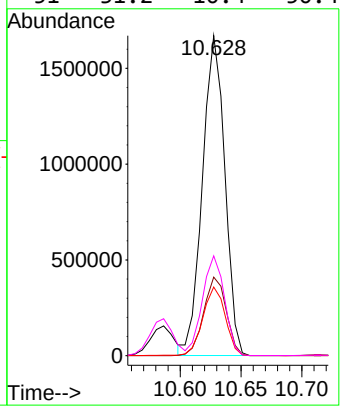


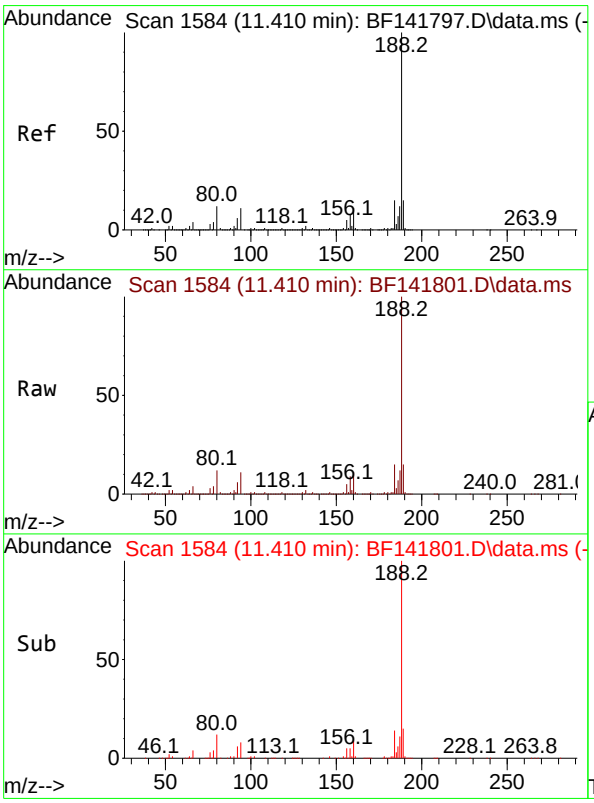
#63
Azobenzene
Concen: 40.188 ng
RT: 10.628 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

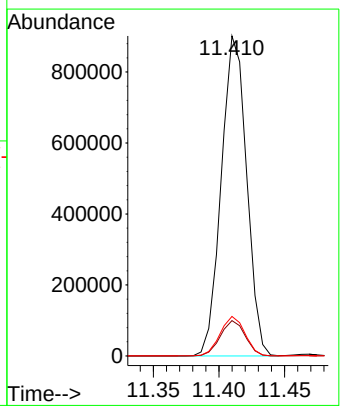


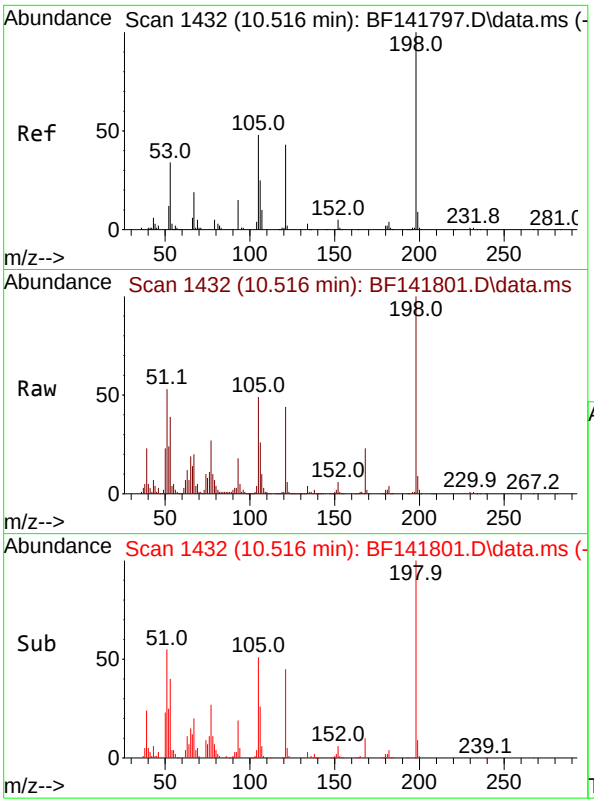


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



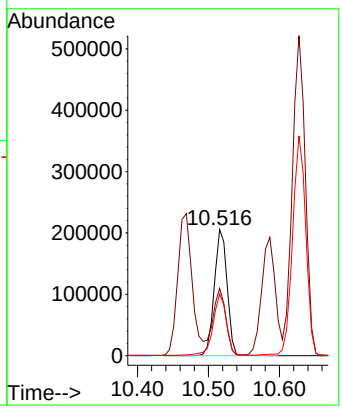


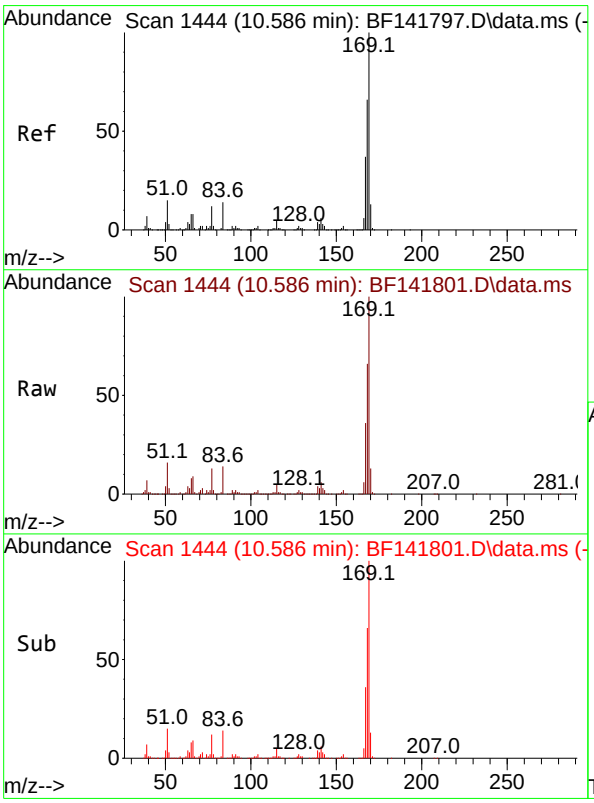
#65
4,6-Dinitro-2-methylphenol
Concen: 45.441 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

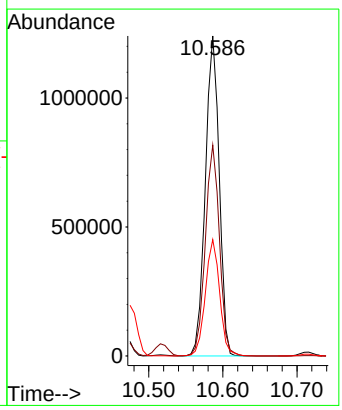


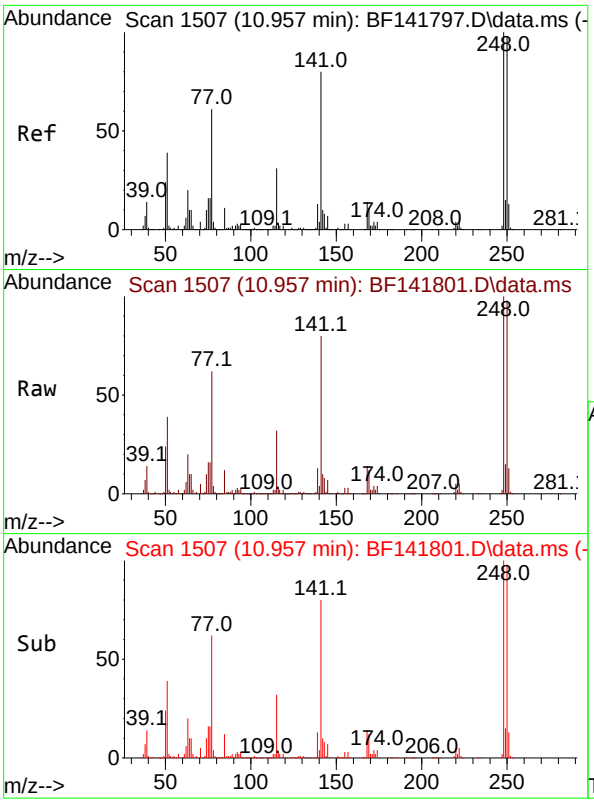


#66
n-Nitrosodiphenylamine
Concen: 40.431 ng
RT: 10.586 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



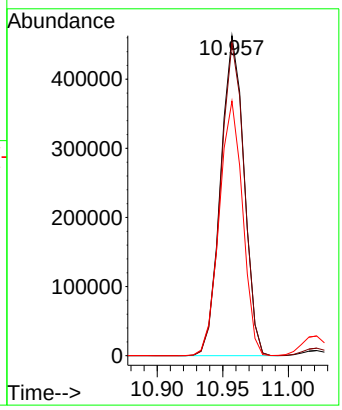


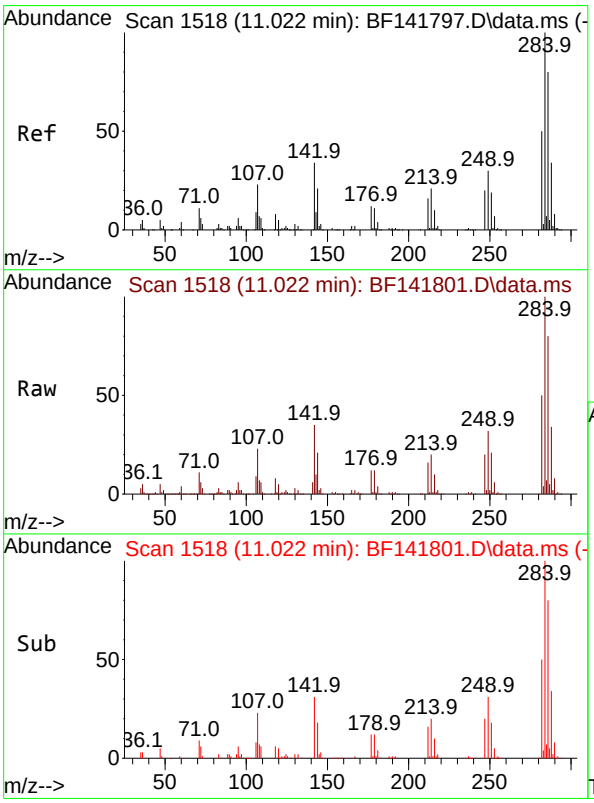
#67
4-Bromophenyl-phenylether
Concen: 40.614 ng
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

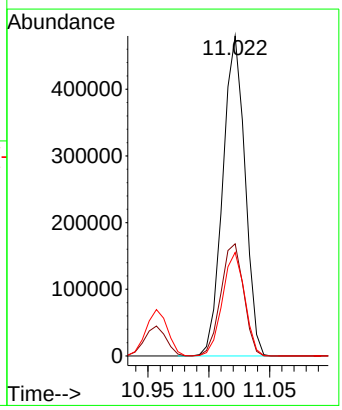


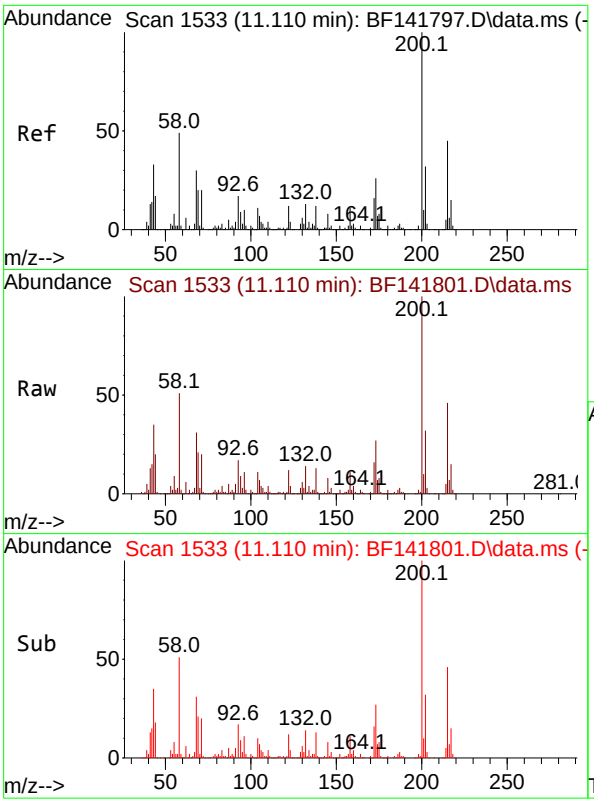


#68
Hexachlorobenzene
Concen: 40.697 ng
RT: 11.022 min Scan# 1518
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



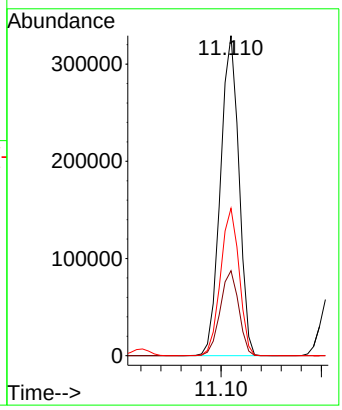


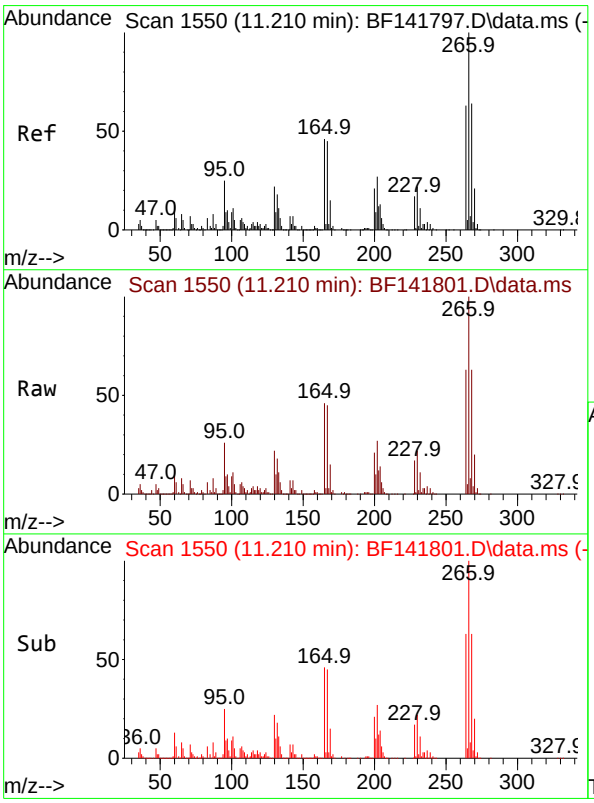
#69
Atrazine
Concen: 38.463 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

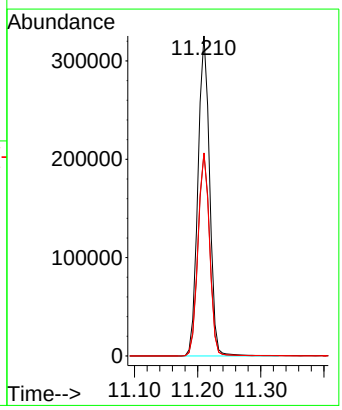


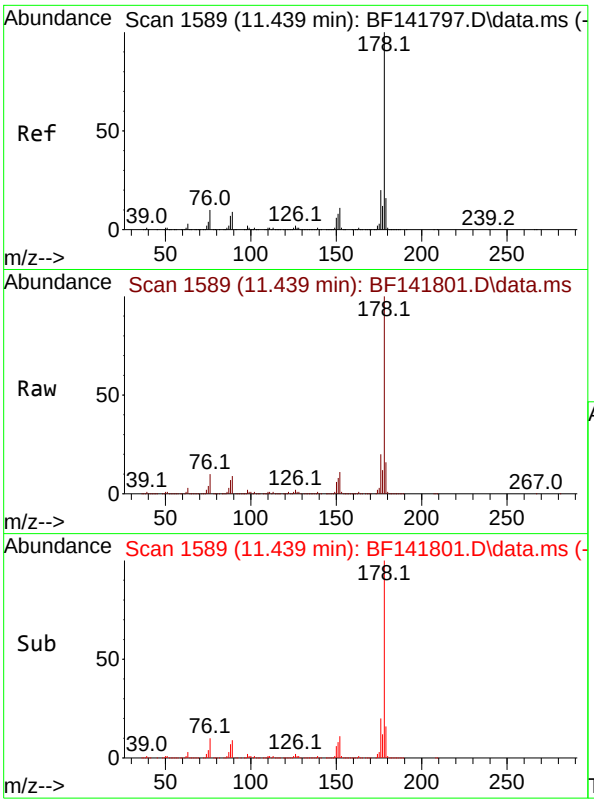


#70
Pentachlorophenol
Concen: 44.032 ng
RT: 11.210 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



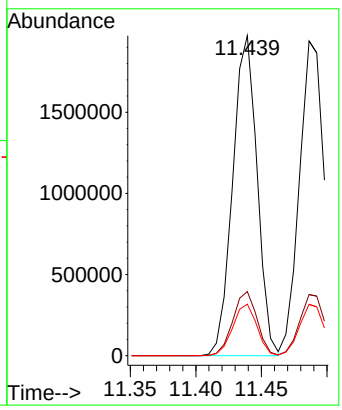


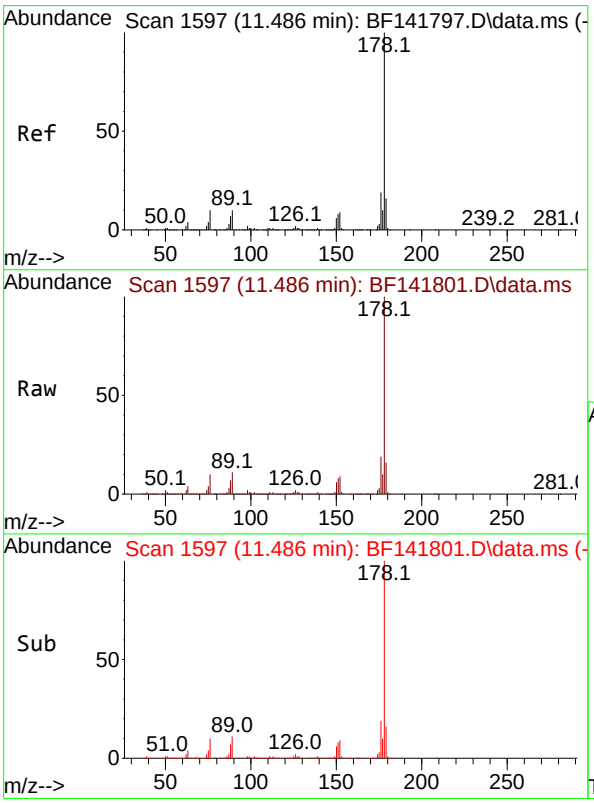
#71
Phenanthrene
Concen: 39.475 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

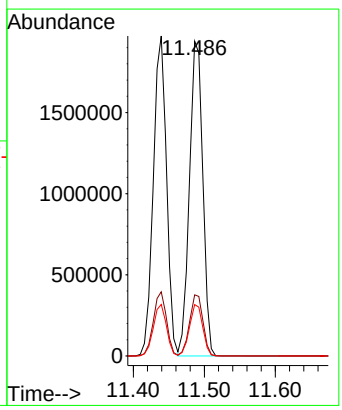


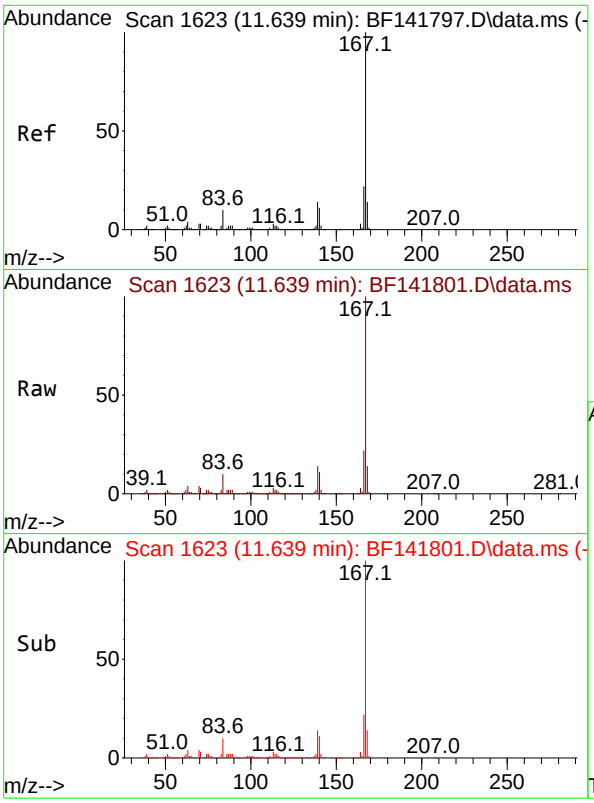


#72
Anthracene
Concen: 39.126 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



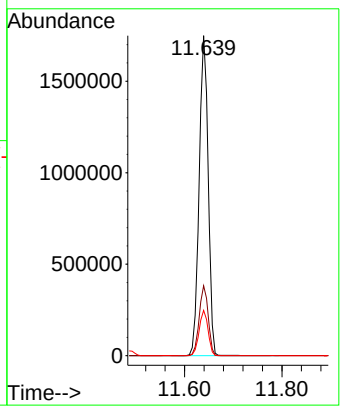


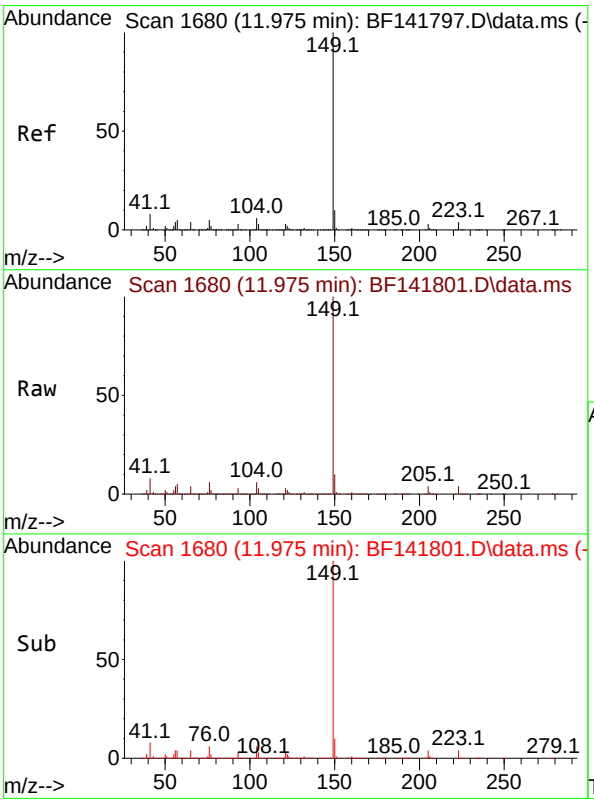
#73
Carbazole
Concen: 39.317 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

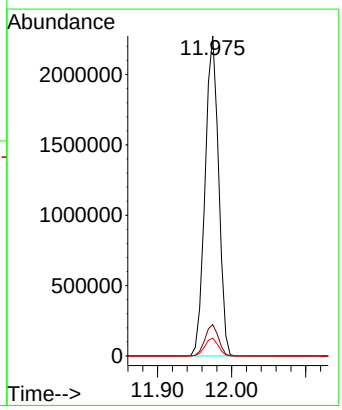


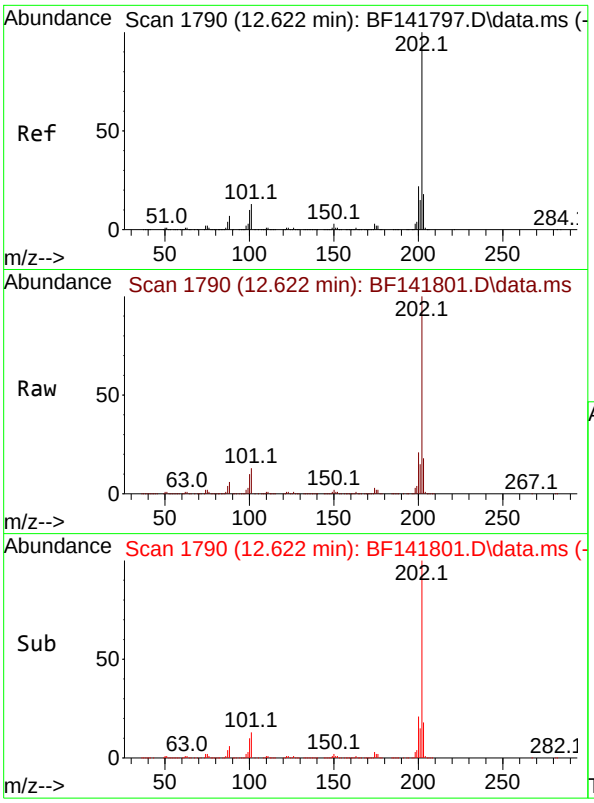


#74
Di-n-butylphthalate
Concen: 39.540 ng
RT: 11.975 min Scan# 1680
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



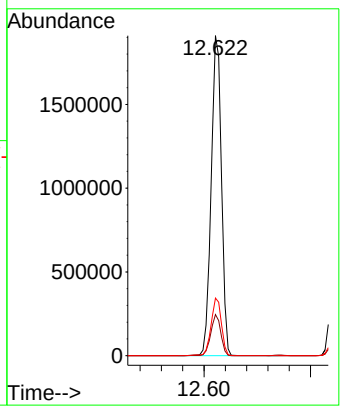


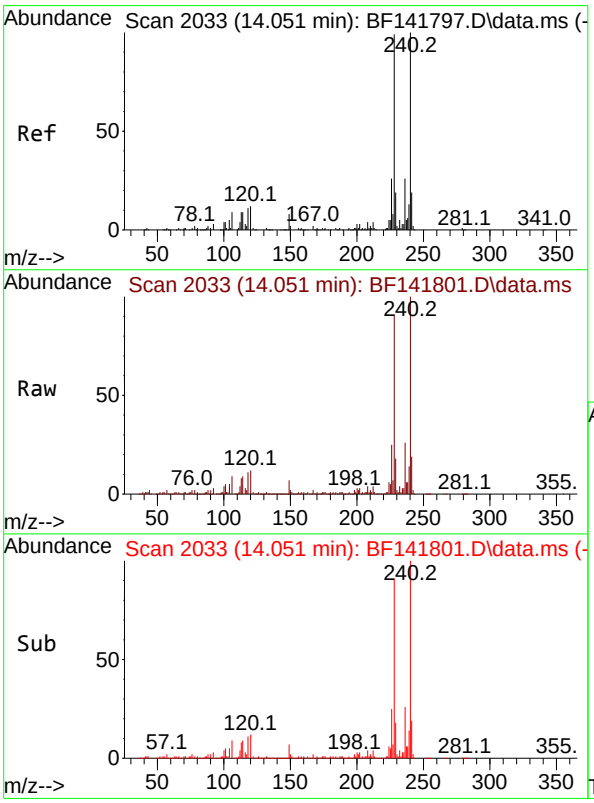
#75
Fluoranthene
Concen: 38.448 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

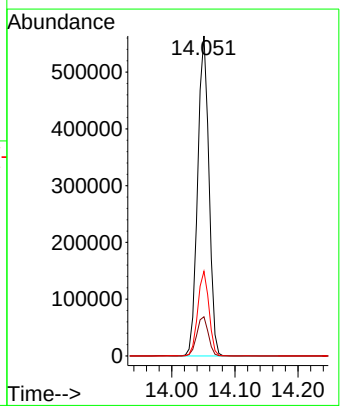


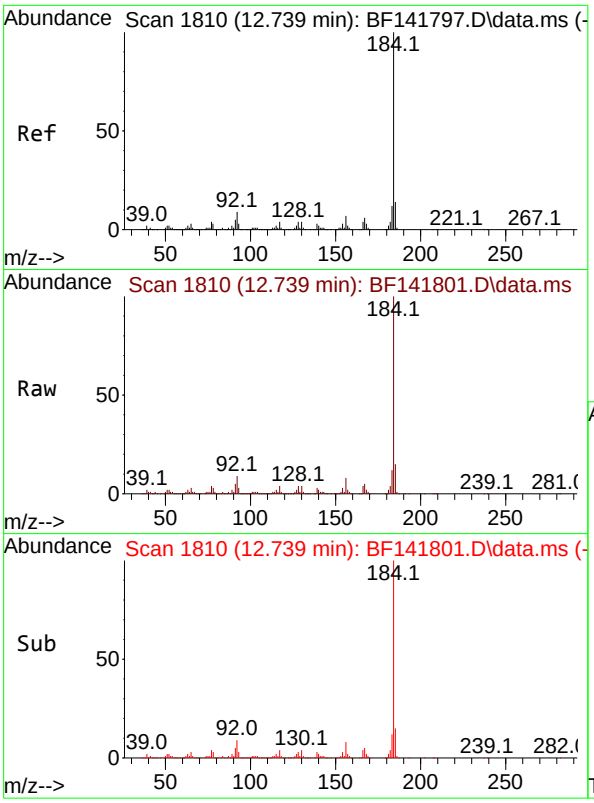


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



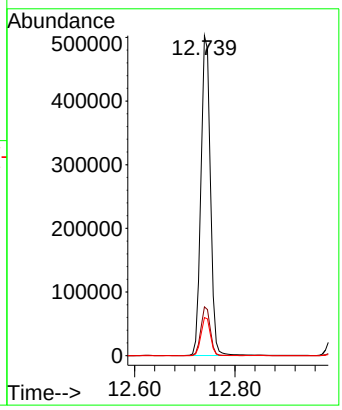


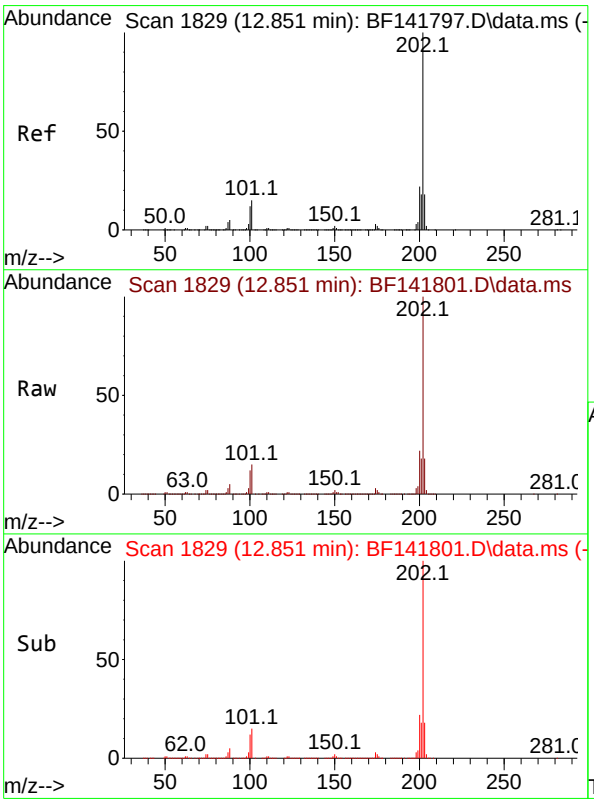
#77
Benzidine
Concen: 74.959 ng
RT: 12.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

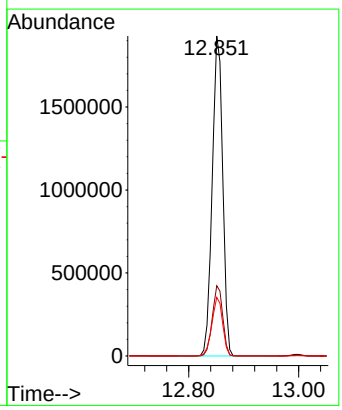


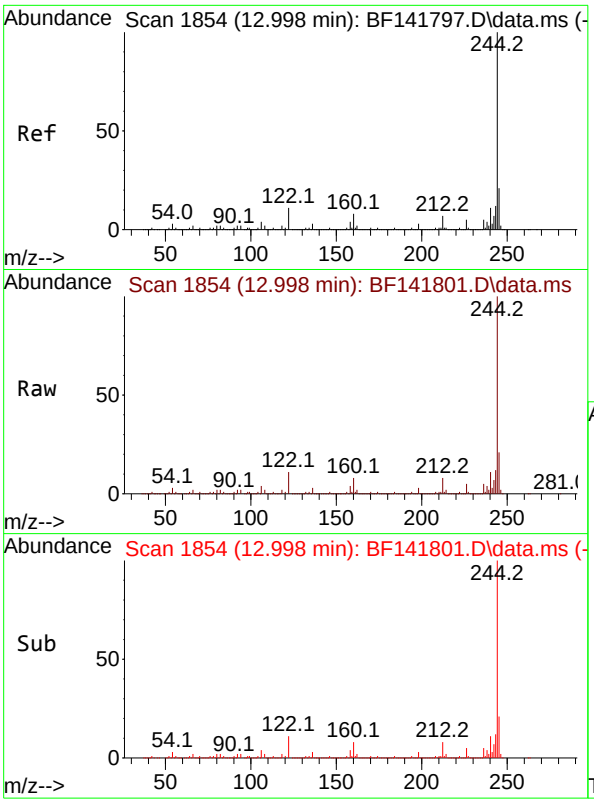


#78
Pyrene
Concen: 42.307 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



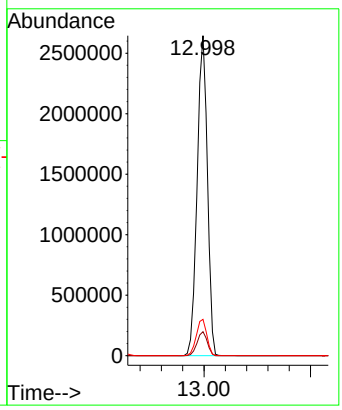


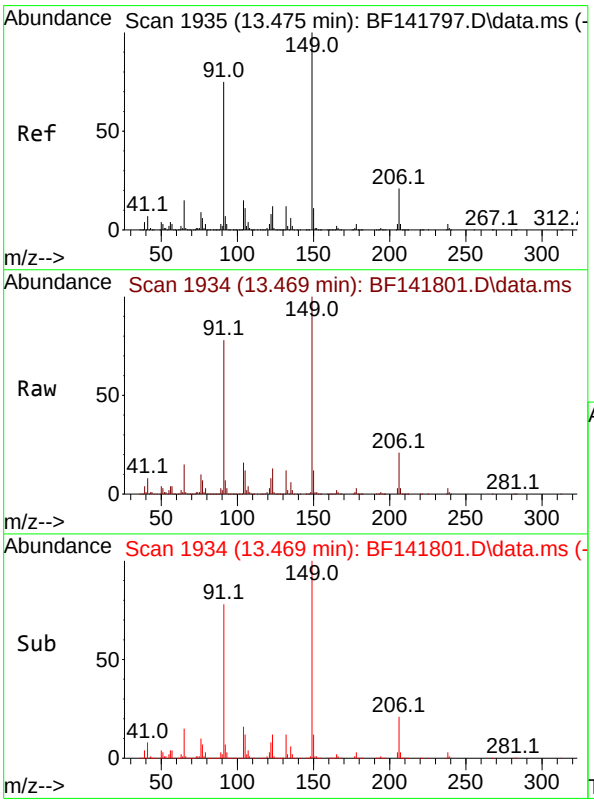
#79
Terphenyl-d14
Concen: 82.060 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

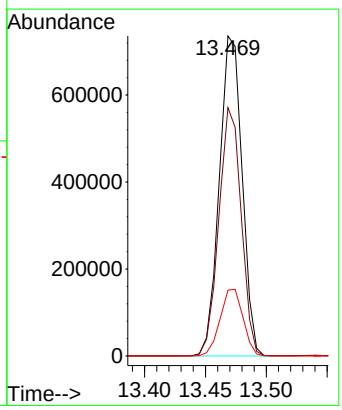


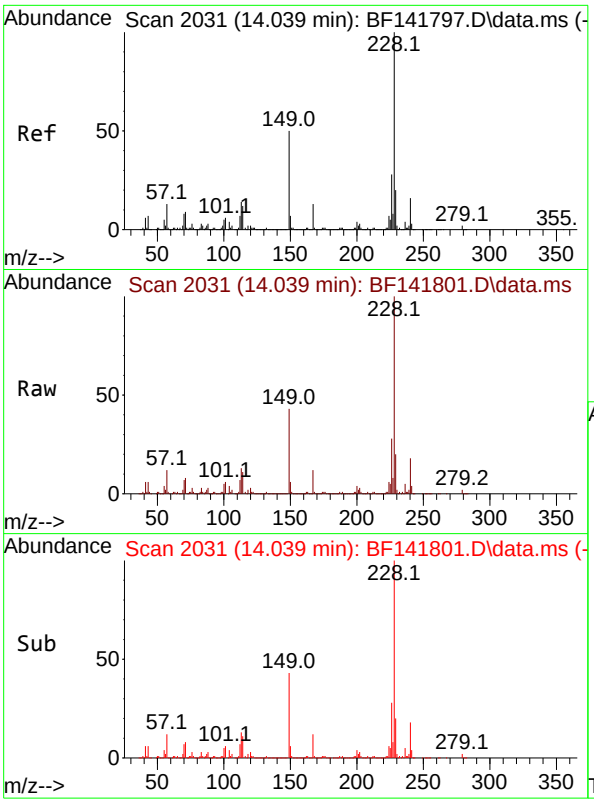


#80
Butylbenzylphthalate
Concen: 43.655 ng
RT: 13.469 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



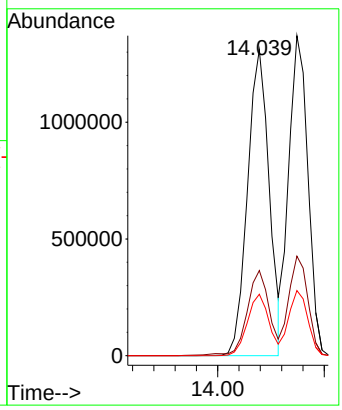


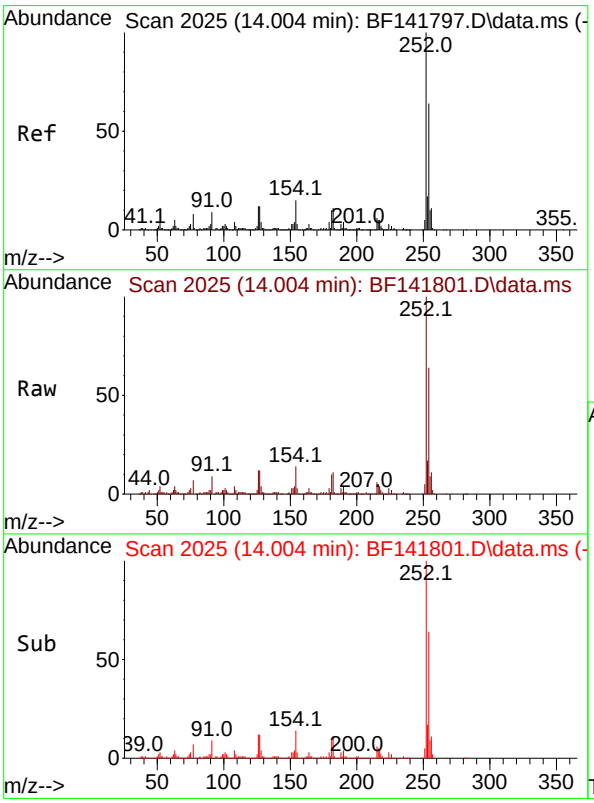
#81
Benzo(a)anthracene
Concen: 40.236 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

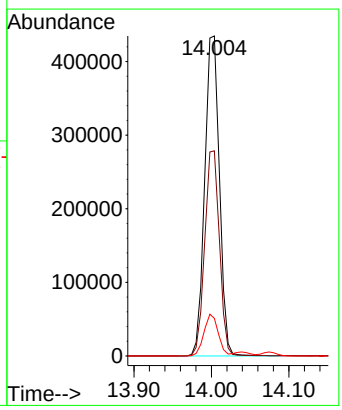


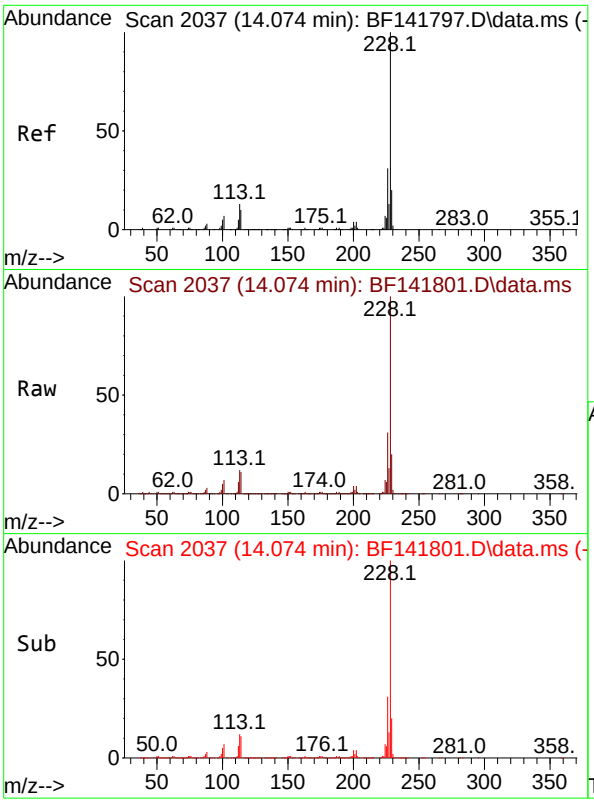


#82
3,3'-Dichlorobenzidine
Concen: 43.392 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



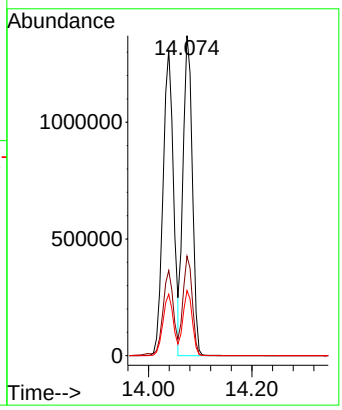


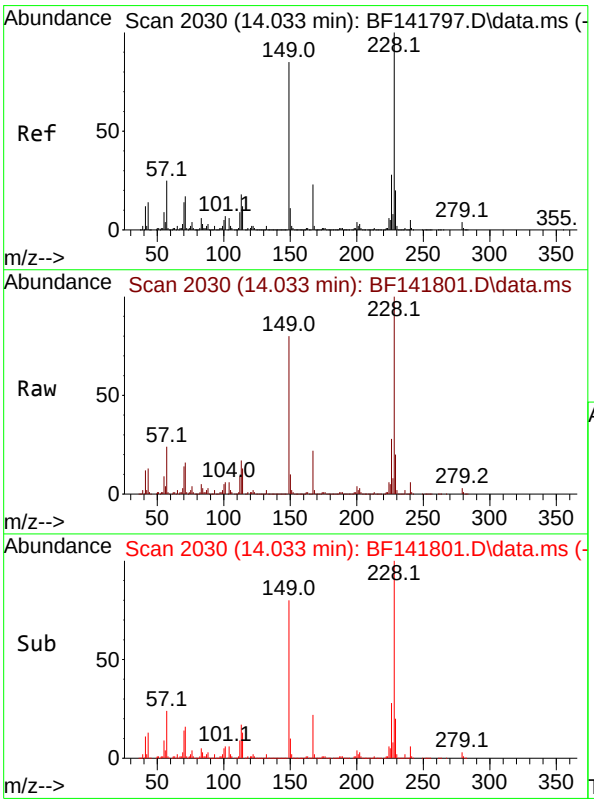
#83
Chrysene
Concen: 40.491 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

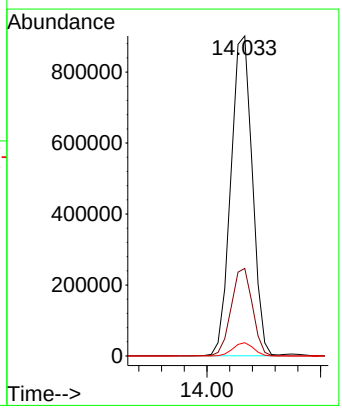


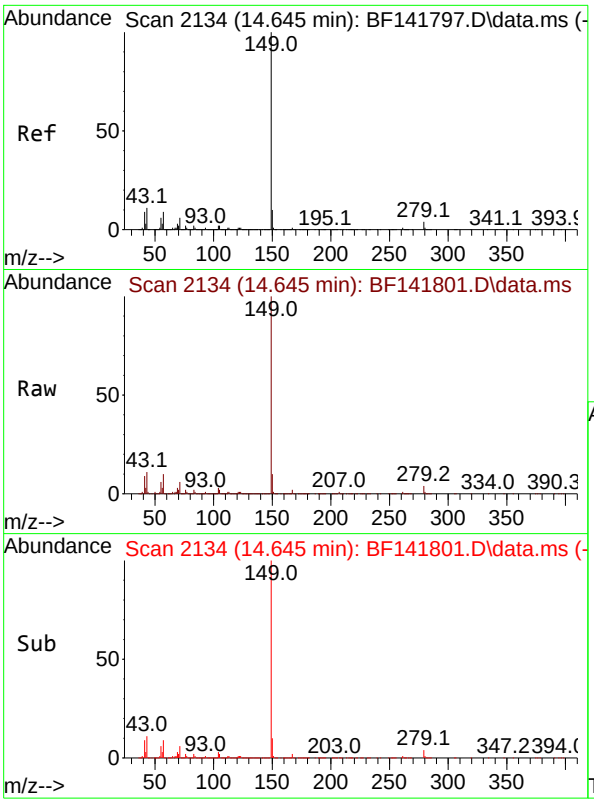


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.350 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



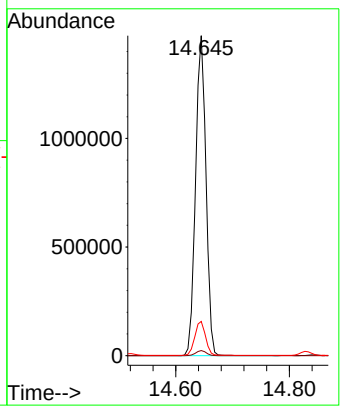


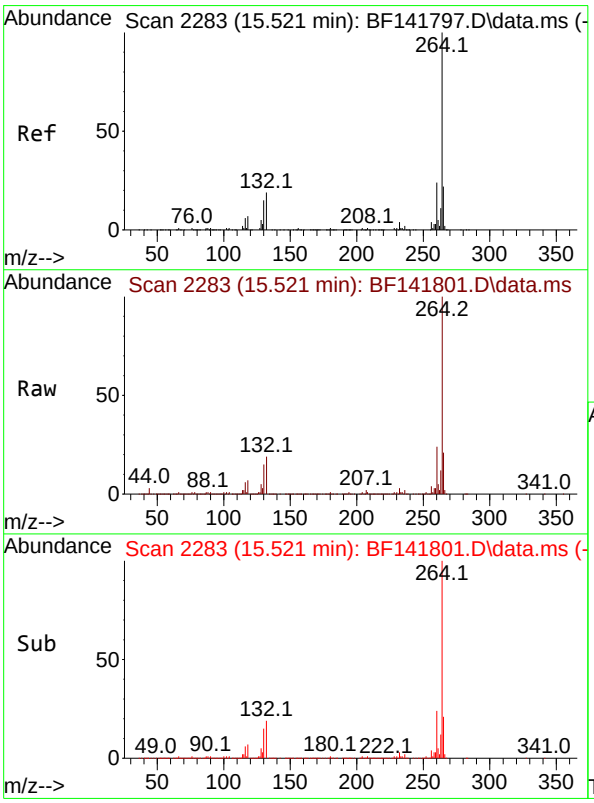
#85
Di-n-octyl phthalate
Concen: 46.033 ng
RT: 14.645 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

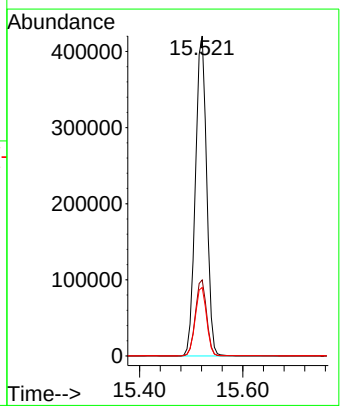


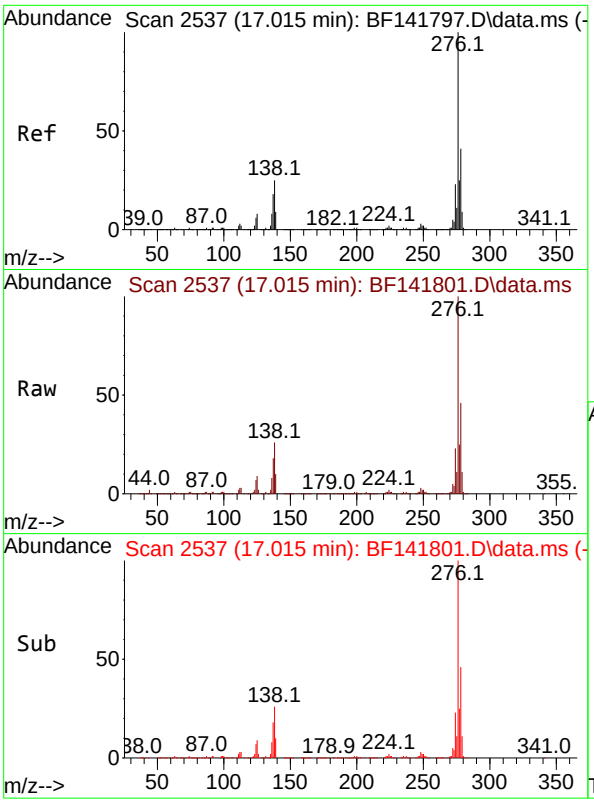


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



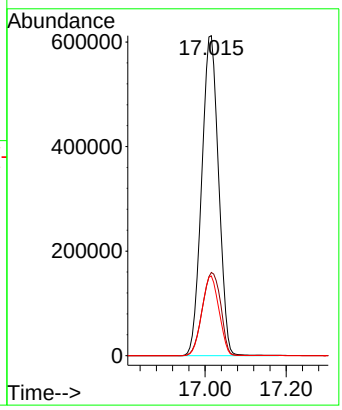


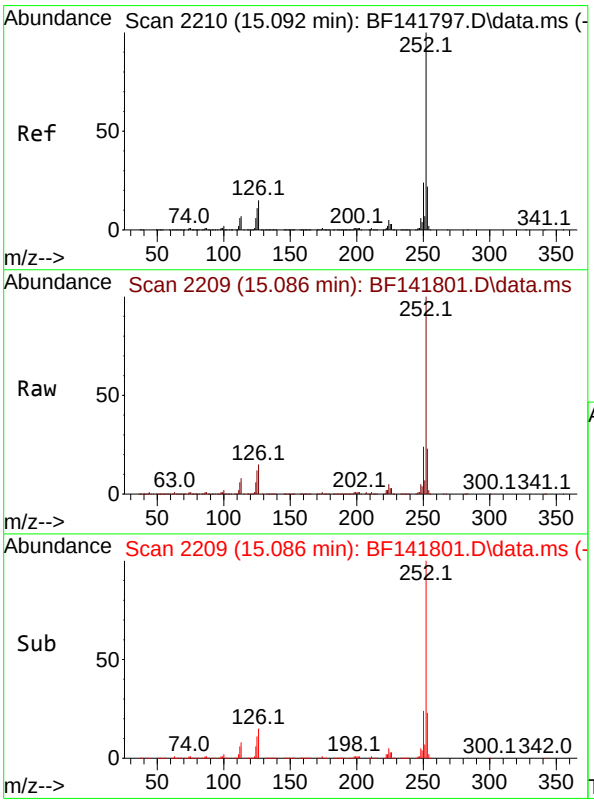
#87
Indeno(1,2,3-cd)pyrene
Concen: 43.754 ng
RT: 17.015 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

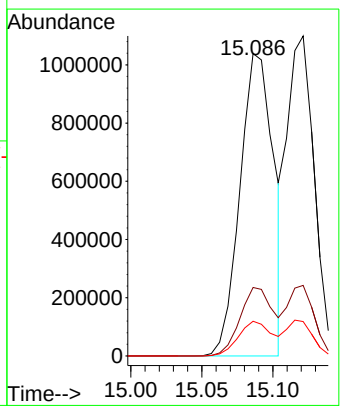


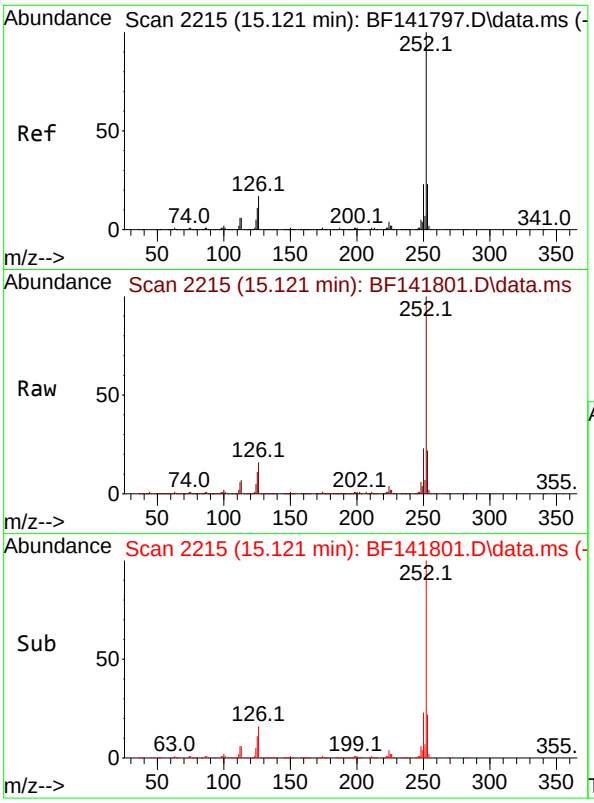


#88
Benzo(b)fluoranthene
Concen: 39.602 ng
RT: 15.086 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



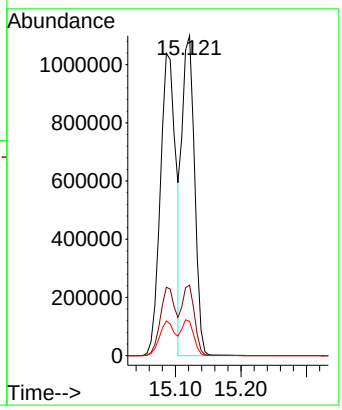


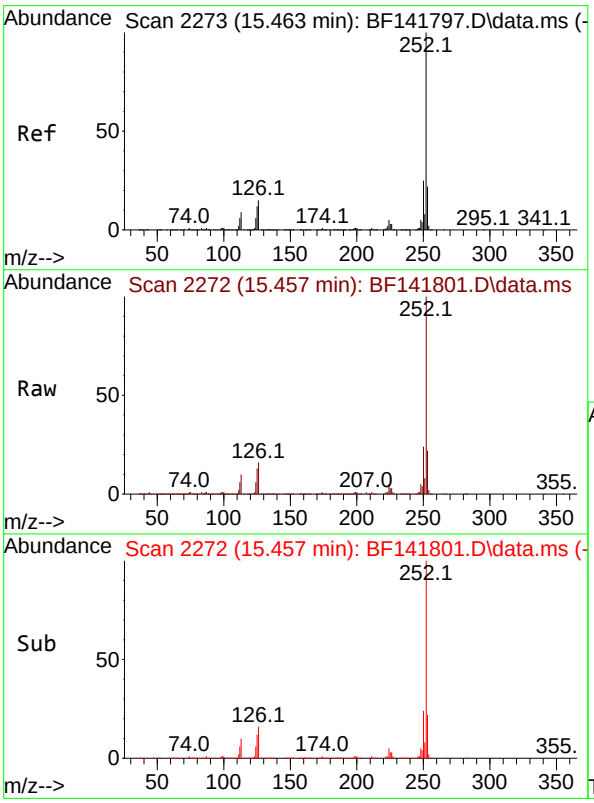
#89
Benzo(k)fluoranthene
Concen: 39.608 ng
RT: 15.121 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

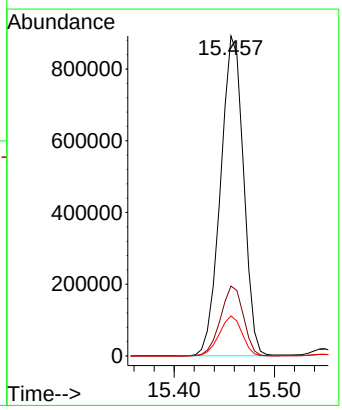


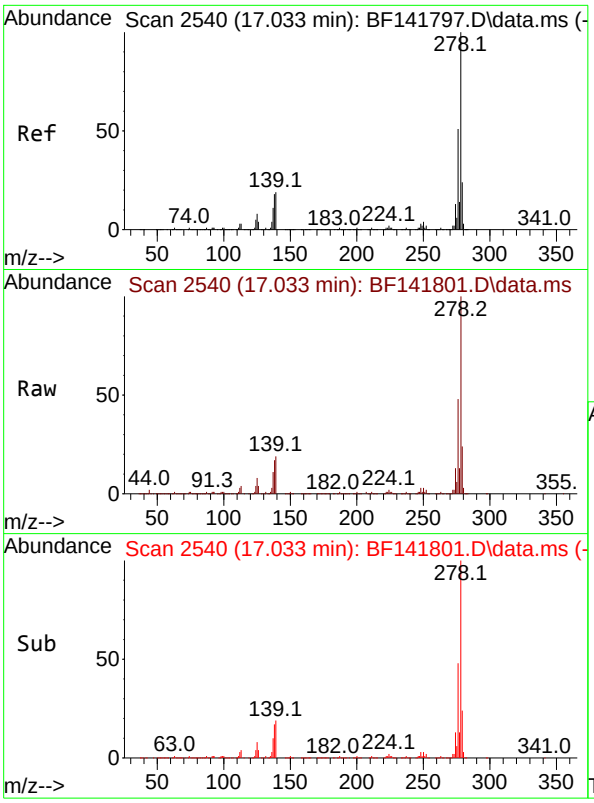


#90
Benzo(a)pyrene
Concen: 40.891 ng
RT: 15.457 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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



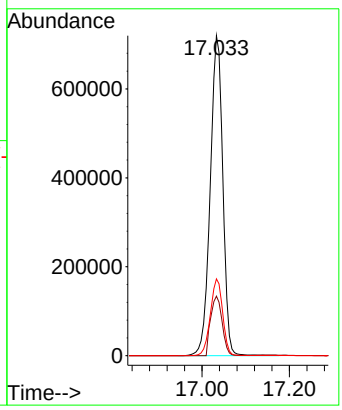


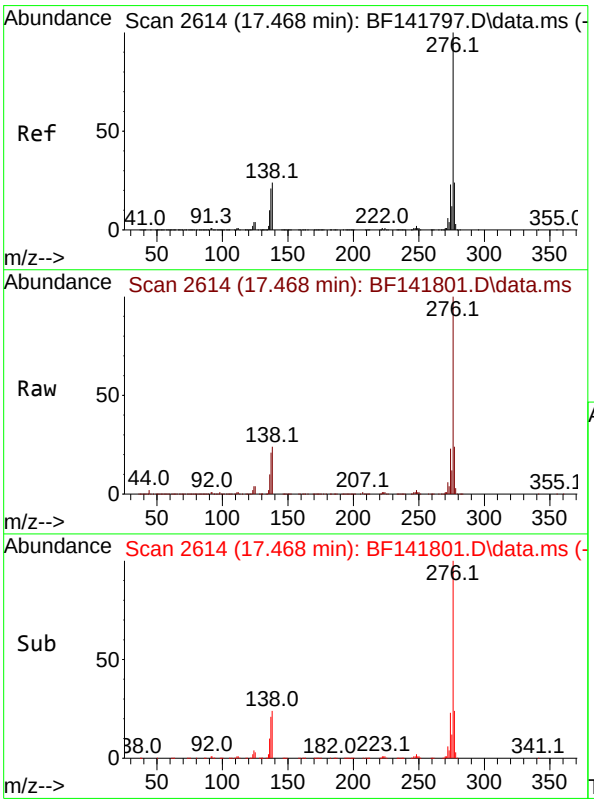
#91
Dibenzo(a,h)anthracene
Concen: 43.693 ng
RT: 17.033 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

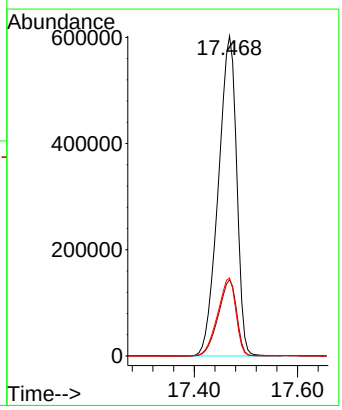




#92
Benzo(g,h,i)perylene
Concen: 43.969 ng
RT: 17.468 min Scan# 2614
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

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: GENV01

Lab Code: CHEM Case No.: Q1492 SAS No.: Q1492 SDG No.: Q1492

Instrument ID: BNA_F Calibration Date(s): 03/10/2025 03/10/2025

Calibration Time(s): 11:01 15:20

LAB FILE ID: RRF2.5 = BF141897.D RRF005 = BF141898.D RRF010 = BF141899.D
RRF020 = BF141900.D RRF040 = BF141901.D RRF060 = BF141903.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF060	RRF	% RSD
2-Fluorophenol		1.267	1.243	1.298	1.148	1.146	1.198	5.8
Phenol-d6		1.623	1.593	1.644	1.442	1.471	1.526	6.0
Nitrobenzene-d5		0.345	0.356	0.379	0.348	0.363	0.355	3.5
Naphthalene		1.104	1.075	1.101	0.984	0.973	1.027	6.2
2-Fluorobiphenyl		1.430	1.379	1.379	1.254	1.246	1.315	5.9
Acenaphthylene		1.765	1.740	1.778	1.635	1.595	1.681	4.7
Acenaphthene		1.236	1.195	1.231	1.146	1.165	1.181	3.4
Fluorene		1.443	1.361	1.381	1.229	1.234	1.302	7.0
2,4,6-Tribromophenol		0.234	0.236	0.259	0.250	0.265	0.254	5.7
Phenanthrene		1.155	1.151	1.138	1.038	1.032	1.080	5.9
Anthracene		1.173	1.139	1.139	1.046	1.036	1.084	5.9
Fluoranthene		1.234	1.226	1.228	1.108	1.059	1.146	7.7
Pyrene		1.695	1.651	1.727	1.611	1.823	1.730	5.4
Terphenyl-d14		1.343	1.309	1.360	1.276	1.417	1.353	3.6
Benzo(a)anthracene		1.370	1.304	1.334	1.273	1.317	1.312	2.4
Chrysene		1.143	1.194	1.260	1.136	1.213	1.190	3.5
Benzo(b)fluoranthene		1.420	1.310	1.485	1.210	1.390	1.371	6.6
Benzo(k)fluoranthene		1.162	1.268	1.197	1.205	1.210	1.173	6.2
Benzo(a)pyrene		1.040	1.042	1.123	1.036	1.083	1.073	3.2
Indeno(1,2,3-cd)pyrene		1.097	1.142	1.308	1.287	1.472	1.294	10.6
Dibenzo(a,h)anthracene		0.910	0.953	1.073	1.068	1.195	1.067	9.9
Benzo(g,h,i)perylene		0.912	0.949	1.061	1.065	1.167	1.055	9.2

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-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Mar 10 15:46:22 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF141897.D 5 =BF141898.D 10 =BF141899.D 20 =BF141900.D 40 =BF141901.D 50 =BF141905.D 60 =BF141903.D 80 =BF1419
04.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.490	0.482	0.536	0.504	0.495	0.501	0.508	0.502	3.43
3)		Pyridine		1.217	1.204	1.334	1.221	1.203	1.209	1.233	1.232	3.77
4)		n-Nitrosodimet...		0.554	0.556	0.621	0.583	0.595	0.594	0.607	0.587	4.26
5)	S	2-Fluorophenol		1.267	1.243	1.298	1.148	1.162	1.146	1.124	1.198	5.79
6)		Aniline		1.599	1.602	1.640	1.465	1.443	1.435	1.351	1.505	7.20
7)	S	Phenol-d6		1.623	1.593	1.644	1.442	1.483	1.471	1.424	1.526	5.99
8)		2-Chlorophenol		1.421	1.354	1.434	1.259	1.295	1.284	1.256	1.329	5.63
9)		Benzaldehyde			1.021	0.975	0.778	0.778	0.716		0.853	15.85
10)	C	Phenol		1.708	1.675	1.747	1.536	1.542	1.532	1.496	1.605	6.30
11)		bis(2-Chloroet...		1.287	1.246	1.281	1.144	1.175	1.176	1.127	1.205	5.43
12)		1,3-Dichlorobe...		1.475	1.489	1.538	1.373	1.401	1.401	1.367	1.435	4.59
13)	C	1,4-Dichlorobe...		1.514	1.503	1.548	1.393	1.408	1.420	1.376	1.452	4.71
14)		1,2-Dichlorobe...		1.461	1.417	1.460	1.303	1.315	1.343	1.273	1.367	5.69
15)		Benzyl Alcohol		1.236	1.252	1.322	1.185	1.214	1.246	1.180	1.233	3.91
16)		2,2'-oxybis(1-...		1.591	1.525	1.534	1.363	1.387	1.472	1.313	1.455	7.07
17)		2-Methylphenol		1.080	1.050	1.122	1.008	1.038	1.079	1.021	1.057	3.73
18)		Hexachloroethane		0.545	0.551	0.576	0.517	0.540	0.560	0.522	0.544	3.76
19)	P	n-Nitroso-di-n...	1.020	1.024	1.000	1.043	0.913	0.940	0.991	0.912	0.980	5.29
20)		3+4-Methylphenols		1.449	1.394	1.470	1.294	1.311	1.334	1.223	1.354	6.55
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.514	0.493	0.513	0.460	0.450	0.469	0.453	0.479	5.76
23)	S	Nitrobenzene-d5		0.345	0.356	0.379	0.348	0.344	0.363	0.353	0.355	3.47
24)		Nitrobenzene		0.347	0.351	0.375	0.346	0.343	0.359	0.352	0.353	3.07
25)		Isophorone		0.647	0.620	0.655	0.600	0.605	0.648	0.622	0.628	3.49
26)	C	2-Nitrophenol		0.150	0.159	0.182	0.175	0.179	0.188	0.181	0.173	7.88
27)		2,4-Dimethylph...		0.247	0.234	0.251	0.231	0.233	0.244	0.232	0.239	3.45
28)		bis(2-Chloroet...		0.411	0.406	0.416	0.372	0.377	0.397	0.378	0.394	4.63
29)	C	2,4-Dichloroph...		0.292	0.295	0.309	0.286	0.295	0.303	0.294	0.296	2.54
30)		1,2,4-Trichlor...		0.337	0.325	0.342	0.310	0.318	0.333	0.322	0.327	3.50
31)		Naphthalene		1.104	1.075	1.101	0.984	1.001	0.973	0.954	1.027	6.22
32)		Benzoic acid			0.149	0.191	0.208	0.228	0.242	0.241	0.210	17.07
33)		4-Chloroaniline		0.383	0.378	0.393	0.351	0.354	0.352	0.329	0.363	6.14
34)	C	Hexachlorobuta...		0.211	0.211	0.221	0.203	0.214	0.214	0.216	0.213	2.52
35)		Caprolactam		0.092	0.089	0.094	0.084	0.088	0.090	0.094	0.090	4.00
36)	C	4-Chloro-3-met...		0.334	0.331	0.349	0.318	0.329	0.334	0.320	0.331	3.13
37)		2-Methylnaphth...		0.746	0.709	0.733	0.653	0.655	0.667	0.645	0.687	6.09
38)		1-Methylnaphth...		0.717	0.691	0.721	0.623	0.619	0.647	0.620	0.663	6.95

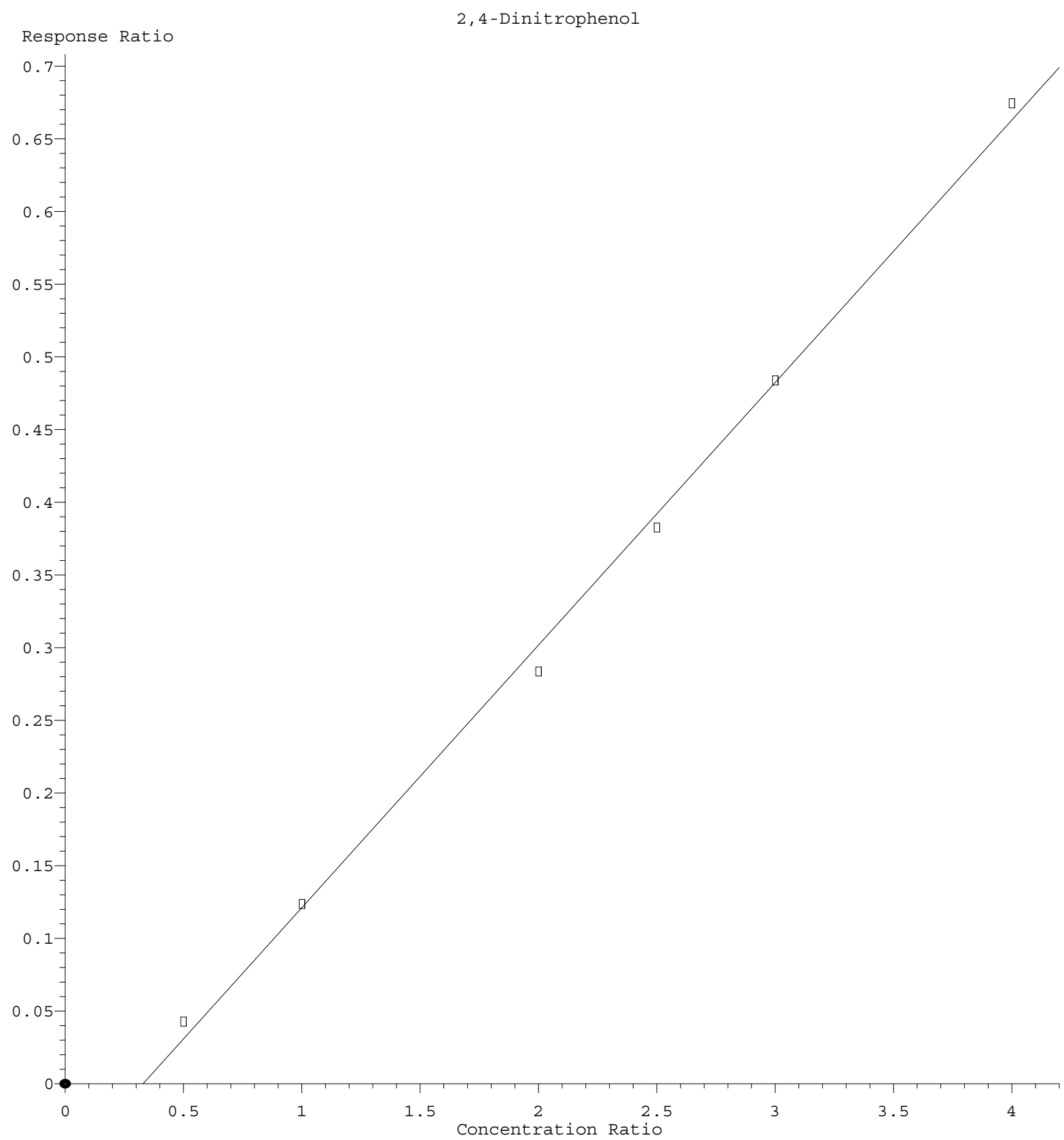
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF031025.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.615	0.604	0.626	0.592	0.597	0.606	0.623	0.609	2.11
41)	P	Hexachlorocycl...	0.204	0.221	0.249	0.250	0.237	0.252	0.256	0.238	8.03
42)	S	2,4,6-Tribromo...	0.234	0.236	0.259	0.250	0.259	0.265	0.272	0.254	5.67
43)	C	2,4,6-Trichlor...	0.388	0.389	0.402	0.398	0.400	0.401	0.409	0.398	1.91
44)		2,4,5-Trichlor...	0.396	0.391	0.422	0.389	0.400	0.415	0.407	0.403	3.05
45)	S	2-Fluorobiphenyl	1.430	1.379	1.379	1.254	1.272	1.246	1.246	1.315	5.95
46)		1,1'-Biphenyl	1.636	1.573	1.591	1.454	1.502	1.431	1.450	1.520	5.29
47)		2-Chloronaphth...	1.197	1.141	1.181	1.091	1.129	1.090	1.100	1.133	3.82
48)		2-Nitroaniline	0.296	0.314	0.346	0.322	0.356	0.332	0.330	0.328	6.08
49)		Acenaphthylene	1.765	1.740	1.778	1.635	1.664	1.595	1.589	1.681	4.74
50)		Dimethylphthalate	1.481	1.414	1.469	1.329	1.425	1.345	1.341	1.401	4.47
51)		2,6-Dinitrotol...	0.277	0.279	0.305	0.285	0.307	0.296	0.292	0.292	4.11
52)	C	Acenaphthene	1.236	1.195	1.231	1.146	1.144	1.165	1.152	1.181	3.37
53)		3-Nitroaniline	0.291	0.295	0.316	0.293	0.283	0.301	0.291	0.296	3.61
54)	P	2,4-Dinitrophenol		0.085	0.124	0.142	0.153	0.161	0.169	0.139	22.02
55)		Dibenzofuran	1.849	1.787	1.791	1.614	1.607	1.596	1.570	1.688	6.87
56)	P	4-Nitrophenol	0.192	0.216	0.234	0.230	0.229	0.230	0.230	0.223	6.60
57)		2,4-Dinitrotol...	0.365	0.382	0.402	0.375	0.383	0.383	0.376	0.381	2.95
58)		Fluorene	1.443	1.361	1.381	1.229	1.243	1.234	1.220	1.302	7.01
59)		2,3,4,6-Tetrac...	0.355	0.365	0.390	0.359	0.364	0.366	0.369	0.367	3.05
60)		Diethylphthalate	1.475	1.471	1.497	1.336	1.357	1.338	1.302	1.397	5.80
61)		4-Chlorophenyl...	0.730	0.688	0.702	0.643	0.664	0.656	0.667	0.679	4.41
62)		4-Nitroaniline	0.284	0.288	0.304	0.288	0.287	0.286	0.278	0.288	2.73
63)		Azobenzene	1.392	1.363	1.404	1.245	1.261	1.226	1.197	1.298	6.57
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.083	0.111	0.121	0.130	0.133	0.137	0.119	16.61
66)	c	n-Nitrosodiphe...	0.675	0.651	0.671	0.620	0.638	0.638	0.637	0.647	3.03
67)		4-Bromophenyl-...	0.240	0.249	0.255	0.244	0.263	0.245	0.262	0.251	3.55
68)		Hexachlorobenzene	0.262	0.267	0.284	0.269	0.283	0.271	0.292	0.275	3.92
69)		Atrazine	0.216	0.213	0.193	0.164	0.206			0.198	10.72
70)	C	Pentachlorophenol	0.130	0.151	0.172	0.177	0.180	0.186	0.191	0.170	12.66
71)		Phenanthrene	1.155	1.151	1.138	1.038	1.026	1.032	1.023	1.080	5.90
72)		Anthracene	1.173	1.139	1.139	1.046	1.026	1.036	1.026	1.084	5.89
73)		Carbazole	0.996	0.994	0.985	0.908	0.903	0.892	0.864	0.935	5.91
74)		Di-n-butylphth...	1.320	1.321	1.319	1.177	1.238	1.175	1.132	1.240	6.50
75)	C	Fluoranthene	1.234	1.226	1.228	1.108	1.148	1.059	1.017	1.146	7.66
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.347	0.309	0.190	0.360	0.220	0.275	0.252	0.279	22.73
78)		Pyrene	1.695	1.651	1.727	1.611	1.877	1.823	1.726	1.730	5.38
79)	S	Terphenyl-d14	1.343	1.309	1.360	1.276	1.380	1.417	1.384	1.353	3.56
80)		Butylbenzylpht...	0.629	0.656	0.702	0.655	0.703	0.717	0.677	0.677	4.72
81)		Benzo(a)anthra...	1.370	1.304	1.334	1.273	1.294	1.317	1.294	1.312	2.41
82)		3,3'-Dichlorob...	0.370	0.389	0.380	0.372	0.365	0.394	0.384	0.379	2.78
83)		Chrysene	1.143	1.194	1.260	1.136	1.192	1.213	1.189	1.190	3.53
84)		Bis(2-ethylhex...	0.897	0.912	0.966	0.904	0.978	0.952	0.927	0.934	3.43
85)	c	Di-n-octyl pht...	1.145	1.219	1.338	1.265	1.376	1.390	1.361	1.299	7.10

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF031025.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.097	1.142	1.308	1.287	1.322	1.472	1.429	1.294	10.60
88)		Benzo(b)fluora...	1.420	1.310	1.485	1.210	1.346	1.390	1.434	1.371	6.65
89)		Benzo(k)fluora...	1.162	1.268	1.197	1.205	1.129	1.210	1.041	1.173	6.16
90)	C	Benzo(a)pyrene	1.040	1.042	1.123	1.036	1.083	1.083	1.101	1.073	3.16
91)		Dibenzo(a,h)an...	0.910	0.953	1.073	1.068	1.095	1.195	1.178	1.067	9.91
92)		Benzo(g,h,i)pe...	0.912	0.949	1.061	1.065	1.064	1.167	1.167	1.055	9.24

(#) = Out of Range



Response = 1.805e-001 * Amt - 5.933e-002
Coef of Det (r^2) = 0.997436 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF031025.M
Calibration Table Last Updated: Mon Mar 10 15:46:22 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141897.D
Acq On : 10 Mar 2025 11:01
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Mar 10 15:31:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	218163	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	918034	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	548310	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	1010378	20.000	ng	0.00
76) Chrysene-d12	14.033	240	740344	20.000	ng	0.00
86) Perylene-d12	15.509	264	520745	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...	7.275	70	27816	2.599	ng	94

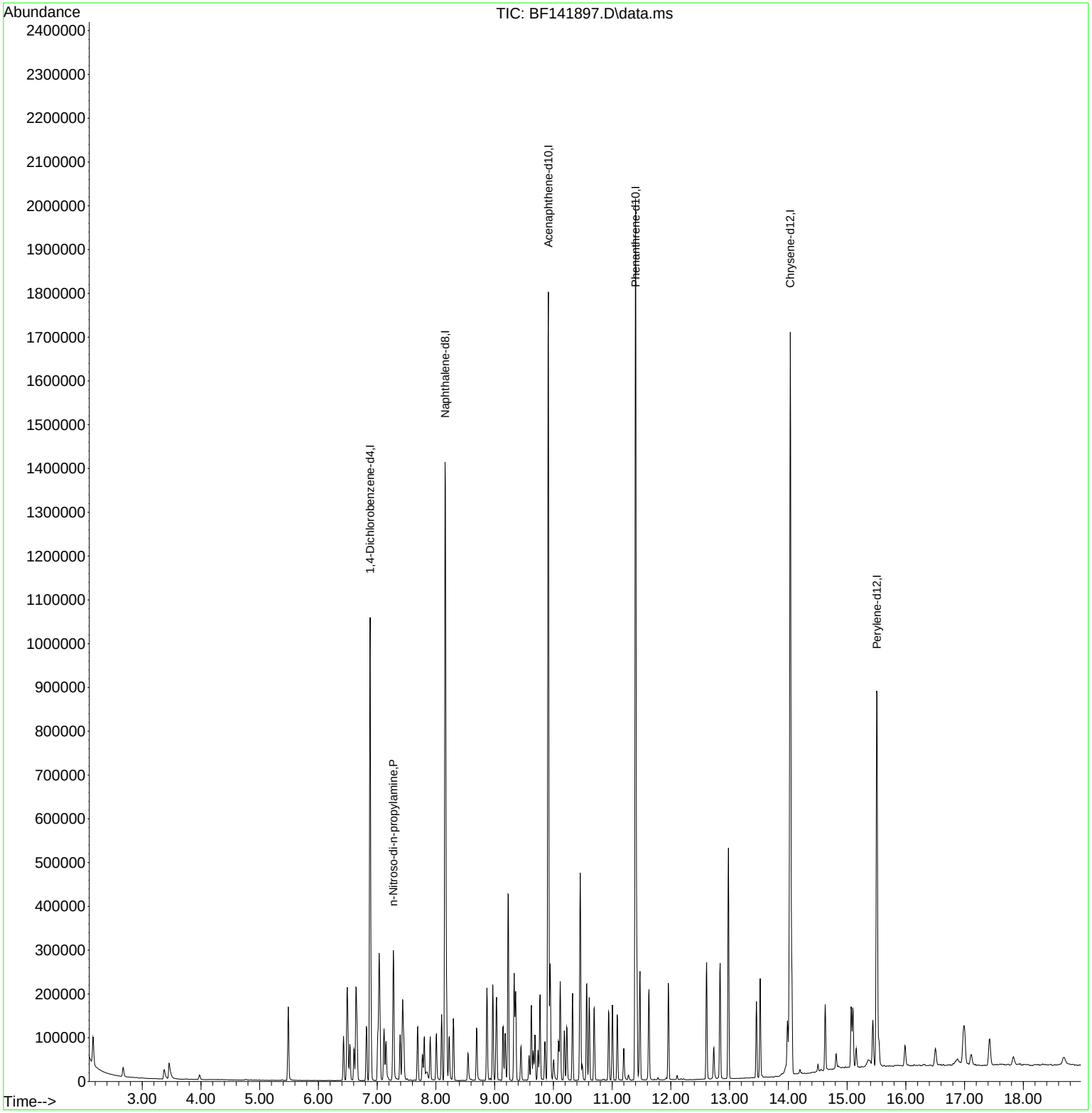
(#) = qualifier out of range (m) = manual integration (+) = signals summed

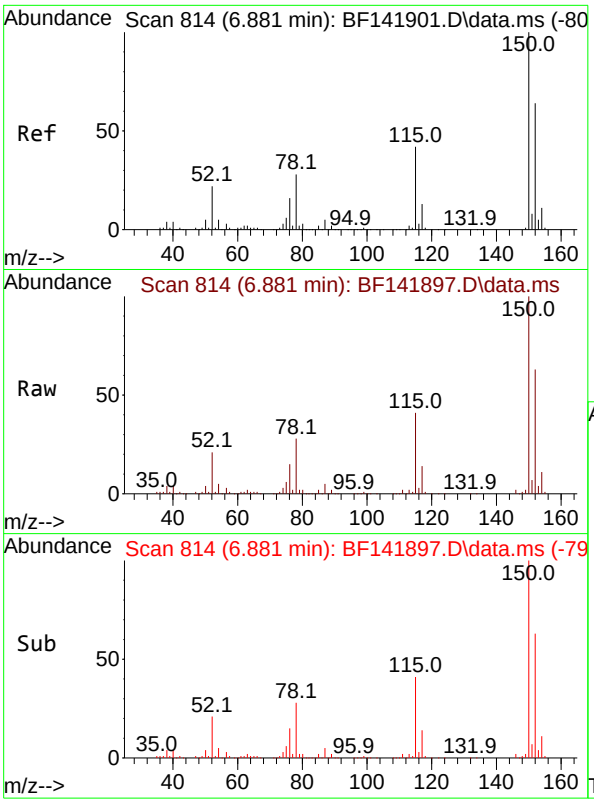
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141897.D
Acq On : 10 Mar 2025 11:01
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Mar 10 15:31:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



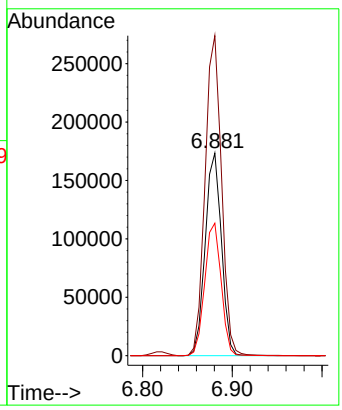


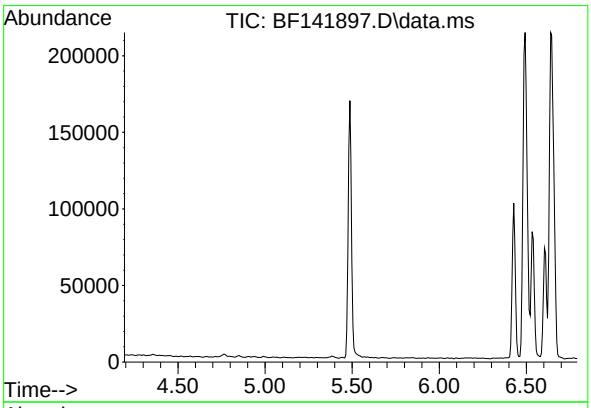
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 218163

Ion	Ratio	Lower	Upper
152	100		
150	158.0	127.4	191.2
115	65.4	51.9	77.9



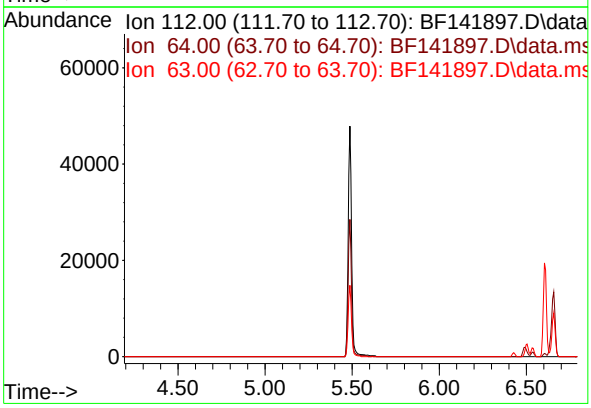


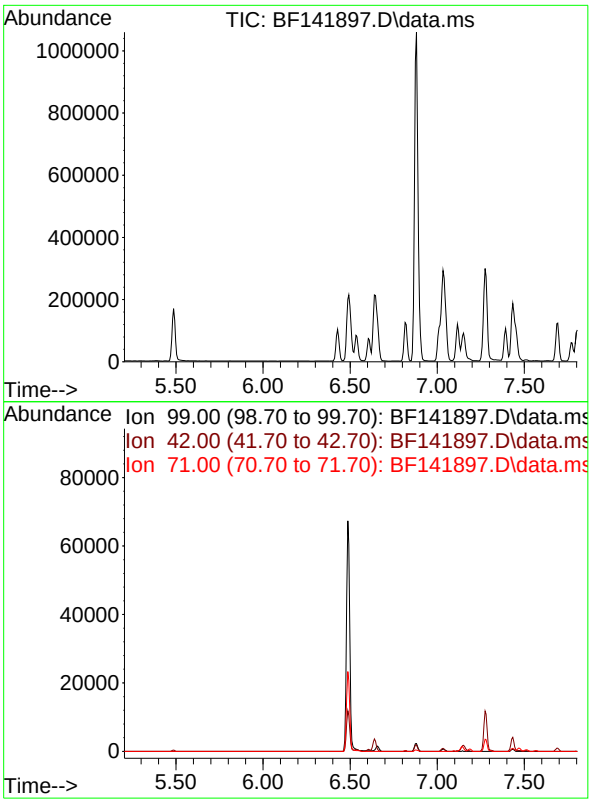
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.49 min

Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	58.1
63	31.8





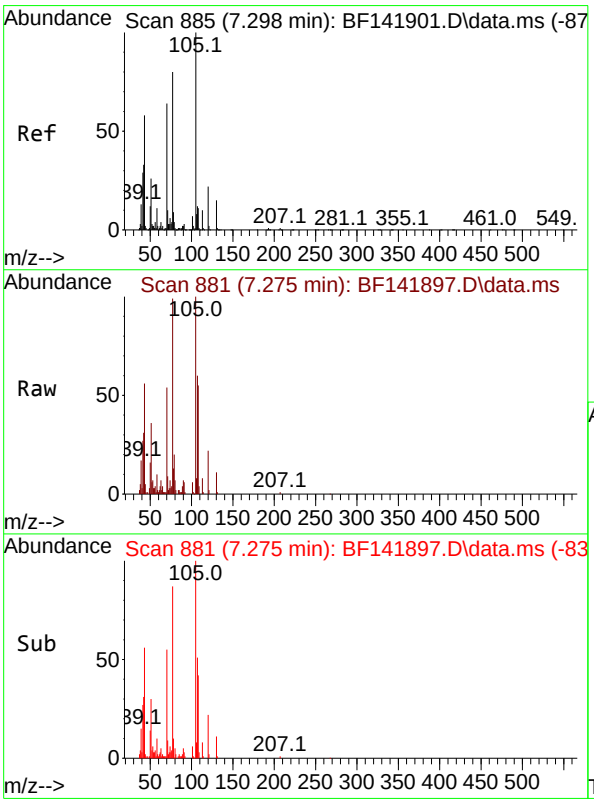
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.50 min

Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

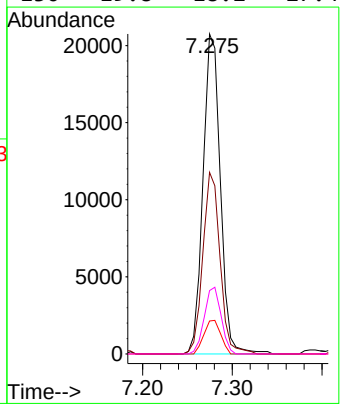
Sig	Exp Ratio
99	100
42	18.2
71	38.5

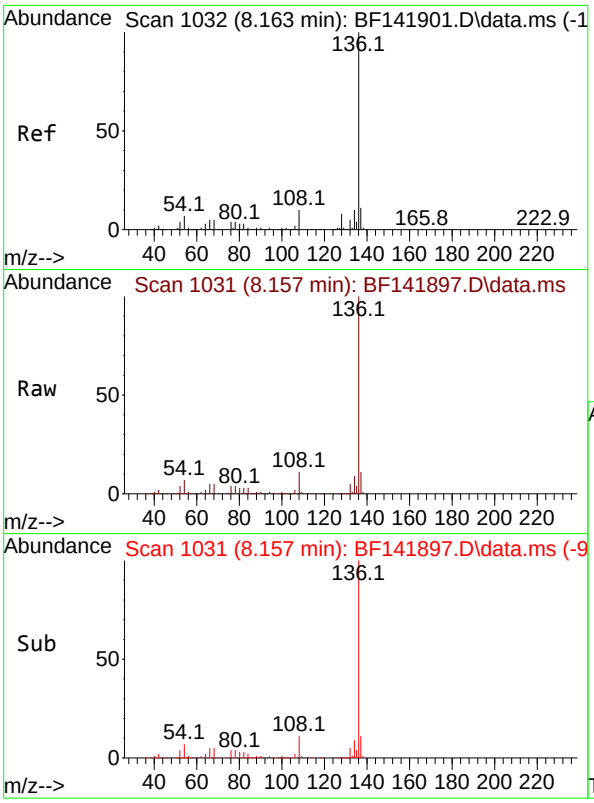


#19
n-Nitroso-di-n-propylamine
Concen: 2.599 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.024 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Tgt Ion: 70 Resp: 27816

Ion	Ratio	Lower	Upper
70	100		
42	56.8	41.4	62.0
101	10.3	8.2	12.2
130	19.8	18.2	27.4



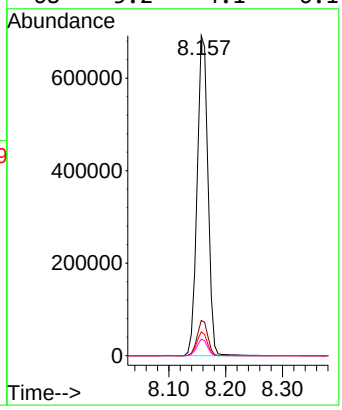


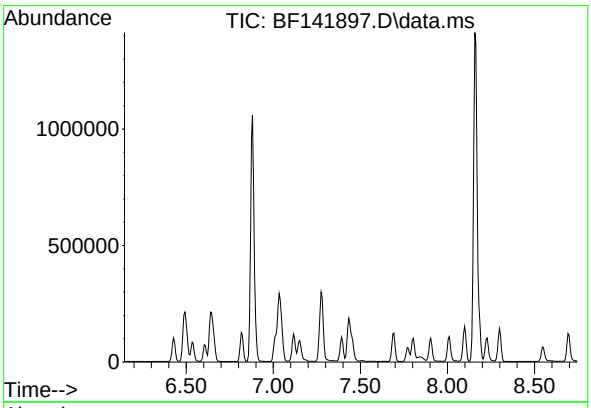
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 918034

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.5	5.8	8.8
68	5.2	4.1	6.1



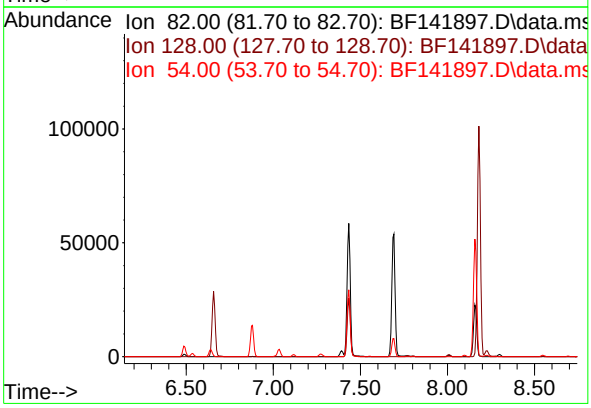


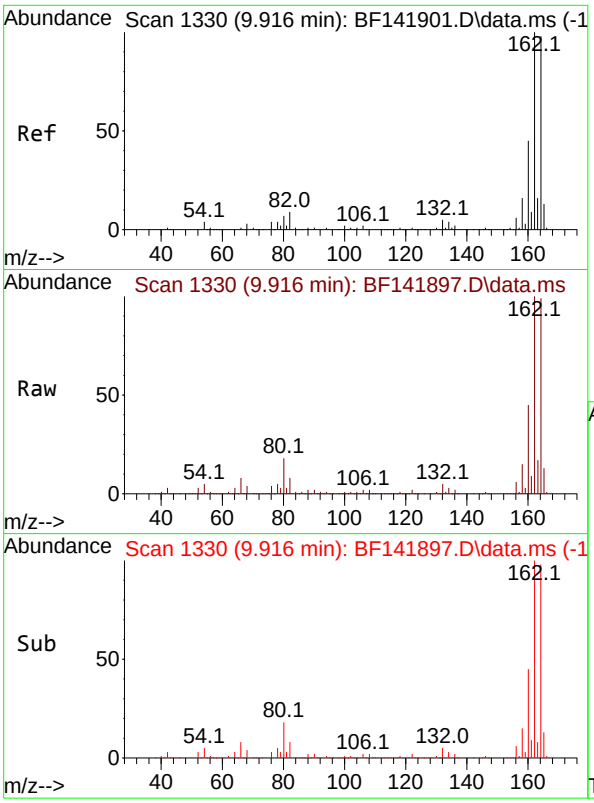
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.45 min

Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	45.0
54	49.5



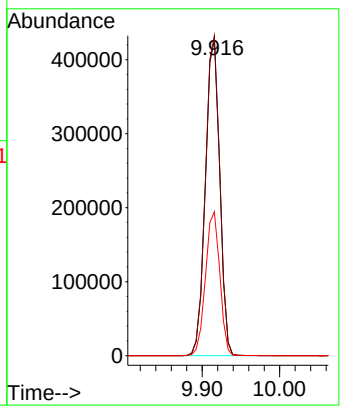


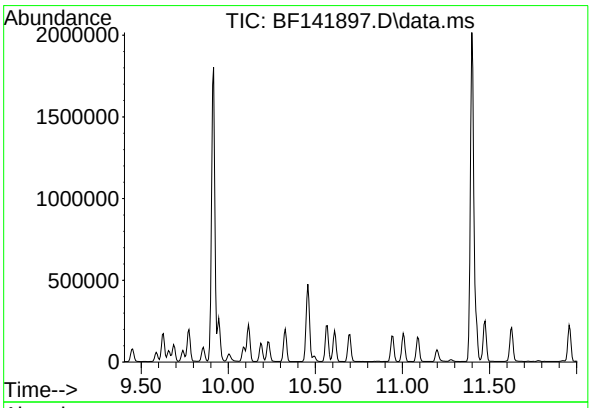
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 548310

Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.8	122.6
160	45.5	36.7	55.1



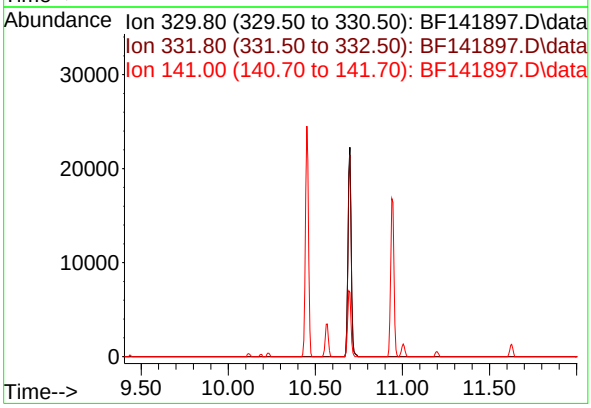


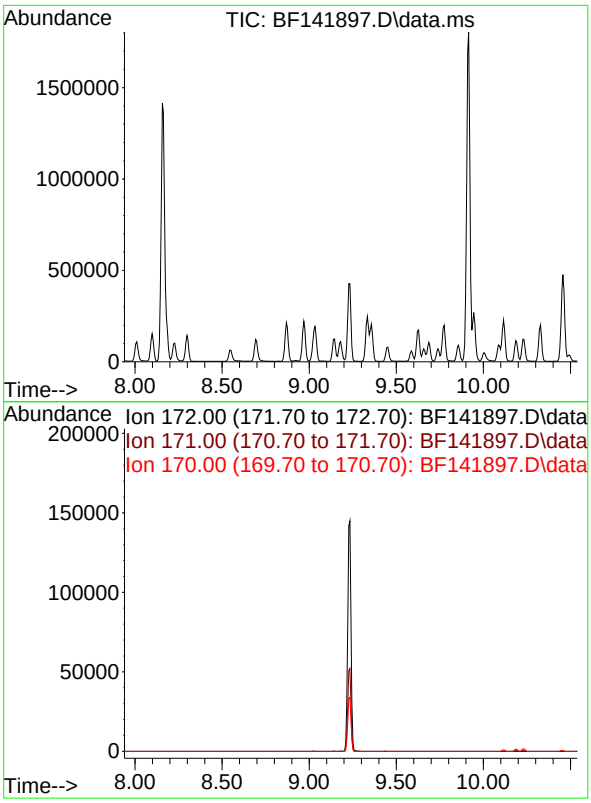
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.70 min

Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.0
141	30.9





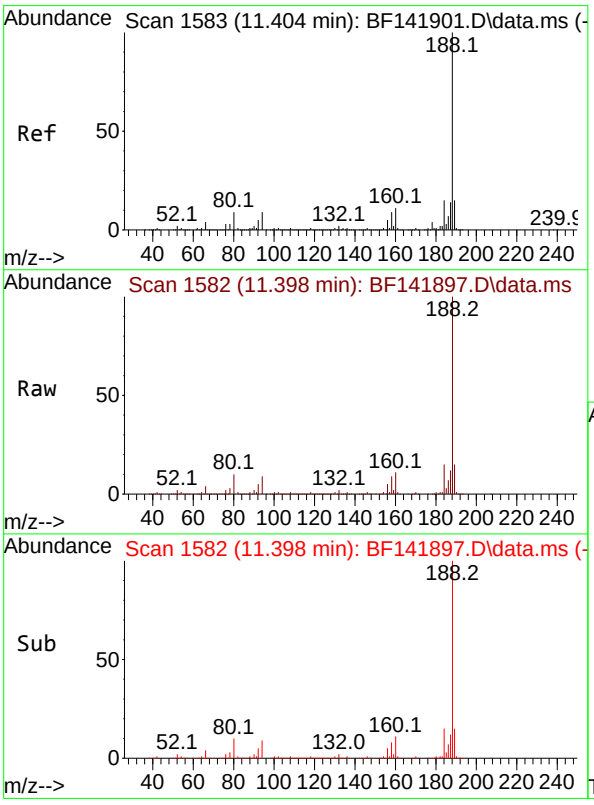
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.24 min

Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

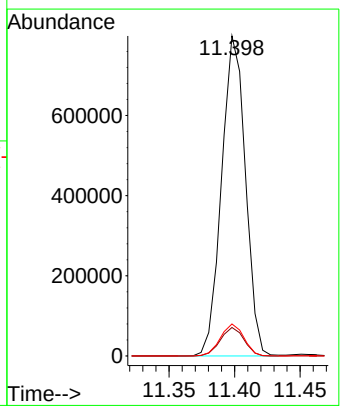
Sig	Exp Ratio
172	100
171	36.6
170	24.2

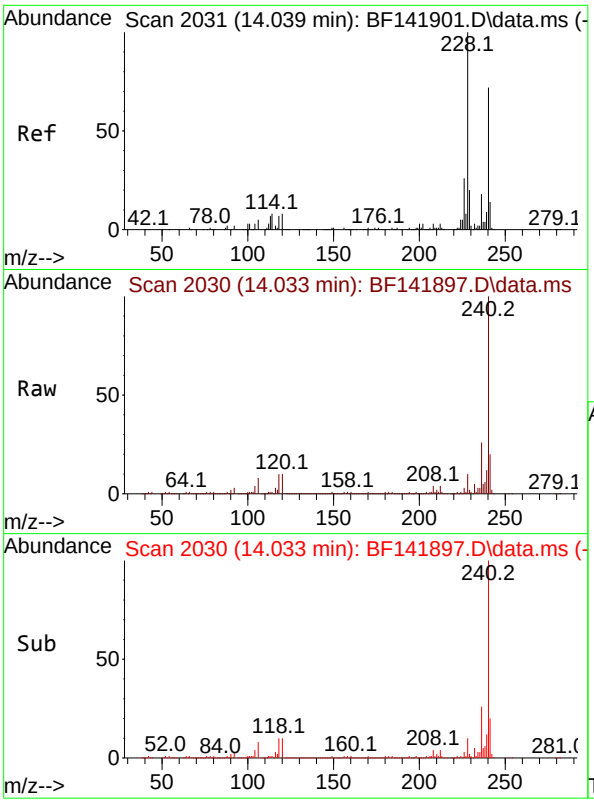


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Tgt Ion:188 Resp: 1010378

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.8	10.2
80	10.0	7.6	11.4



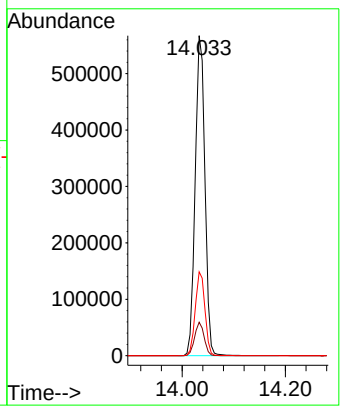


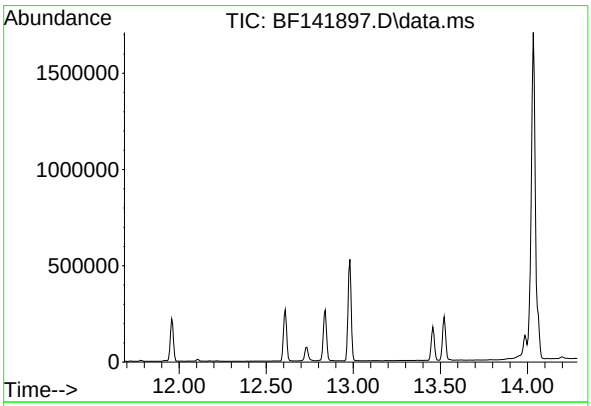
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 740344

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.4	12.6
236	26.2	20.5	30.7



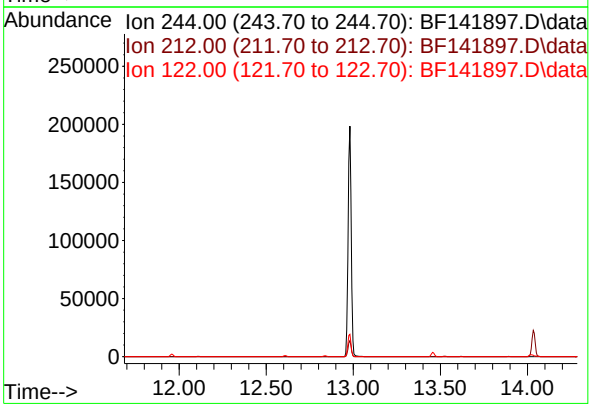


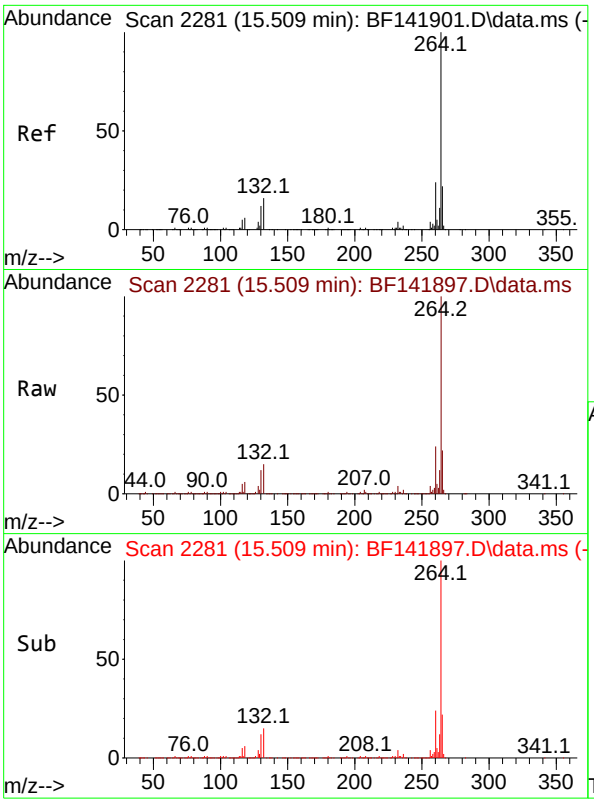
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 12.99 min

Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.5
122	9.6



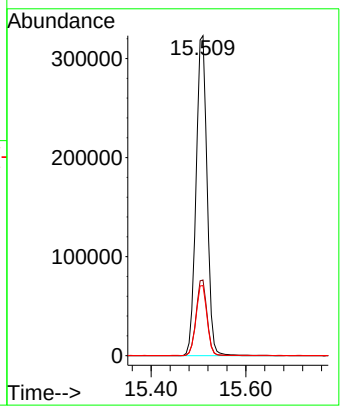


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 520745

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.1	28.7
265	21.9	17.5	26.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141898.D
Acq On : 10 Mar 2025 11:30
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Mar 10 15:32:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	230406	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	926118	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	546702	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	1002901	20.000	ng		0.00
76) Chrysene-d12	14.033	240	745624	20.000	ng		0.00
86) Perylene-d12	15.504	264	527129	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	145959	10.570	ng		0.00
7) Phenol-d6	6.486	99	186951	10.630	ng		-0.02
23) Nitrobenzene-d5	7.433	82	159777	9.670	ng		-0.01
42) 2,4,6-Tribromophenol	10.698	330	63996	9.238	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	390913	10.888	ng		0.00
79) Terphenyl-d14	12.980	244	500607	9.924	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.675	88	28210	4.874	ng		99
3) Pyridine	3.451	79	70090	4.928	ng		99
4) n-Nitrosodimethylamine	3.369	42	31893	4.717	ng	#	99
6) Aniline	6.534	93	92116	5.305	ng		100
8) 2-Chlorophenol	6.657	128	81845	5.347	ng		98
10) Phenol	6.504	94	98369	5.301	ng		96
11) bis(2-Chloroethyl)ether	6.604	93	74158	5.334	ng		98
12) 1,3-Dichlorobenzene	6.816	146	84952	5.136	ng		100
13) 1,4-Dichlorobenzene	6.898	146	87237	5.213	ng		98
14) 1,2-Dichlorobenzene	7.045	146	84183	5.342	ng		99
15) Benzyl Alcohol	7.010	79	71182	5.000	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	91659	5.470	ng		97
17) 2-Methylphenol	7.116	107	62211	5.114	ng		99
18) Hexachloroethane	7.392	117	31373	5.000	ng		96
19) n-Nitroso-di-n-propyla...	7.281	70	58981	5.218	ng		98
20) 3+4-Methylphenols	7.269	107	83461	5.349	ng		97
22) Acetophenone	7.281	105	119040	5.358	ng		99
24) Nitrobenzene	7.451	77	80338	4.904	ng		99
25) Isophorone	7.692	82	149807	5.135	ng		99
26) 2-Nitrophenol	7.775	139	34757	4.329	ng		98
27) 2,4-Dimethylphenol	7.804	122	57106	5.164	ng		96
28) bis(2-Chloroethoxy)met...	7.904	93	95214	5.210	ng		97
29) 2,4-Dichlorophenol	8.010	162	67710	4.934	ng		99
30) 1,2,4-Trichlorobenzene	8.098	180	78127	5.160	ng		98
31) Naphthalene	8.180	128	255632	5.388	ng		98
33) 4-Chloroaniline	8.228	127	88635	5.294	ng		99
34) Hexachlorobutadiene	8.298	225	48885	4.966	ng		99
35) Caprolactam	8.557	113	21358	5.118	ng		94
36) 4-Chloro-3-methylphenol	8.692	107	77370	5.070	ng		99
37) 2-Methylnaphthalene	8.869	142	172734	5.427	ng		99
38) 1-Methylnaphthalene	8.969	142	166050	5.387	ng		99
40) 1,2,4,5-Tetrachloroben...	9.033	216	84034	5.041	ng		99
41) Hexachlorocyclopentadiene	9.022	237	27931	4.246	ng		96
43) 2,4,6-Trichlorophenol	9.145	196	52998	4.877	ng		99
44) 2,4,5-Trichlorophenol	9.180	196	54111	4.901	ng		97
46) 1,1'-Biphenyl	9.333	154	223637	5.395	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141898.D
Acq On : 10 Mar 2025 11:30
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Mar 10 15:32:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

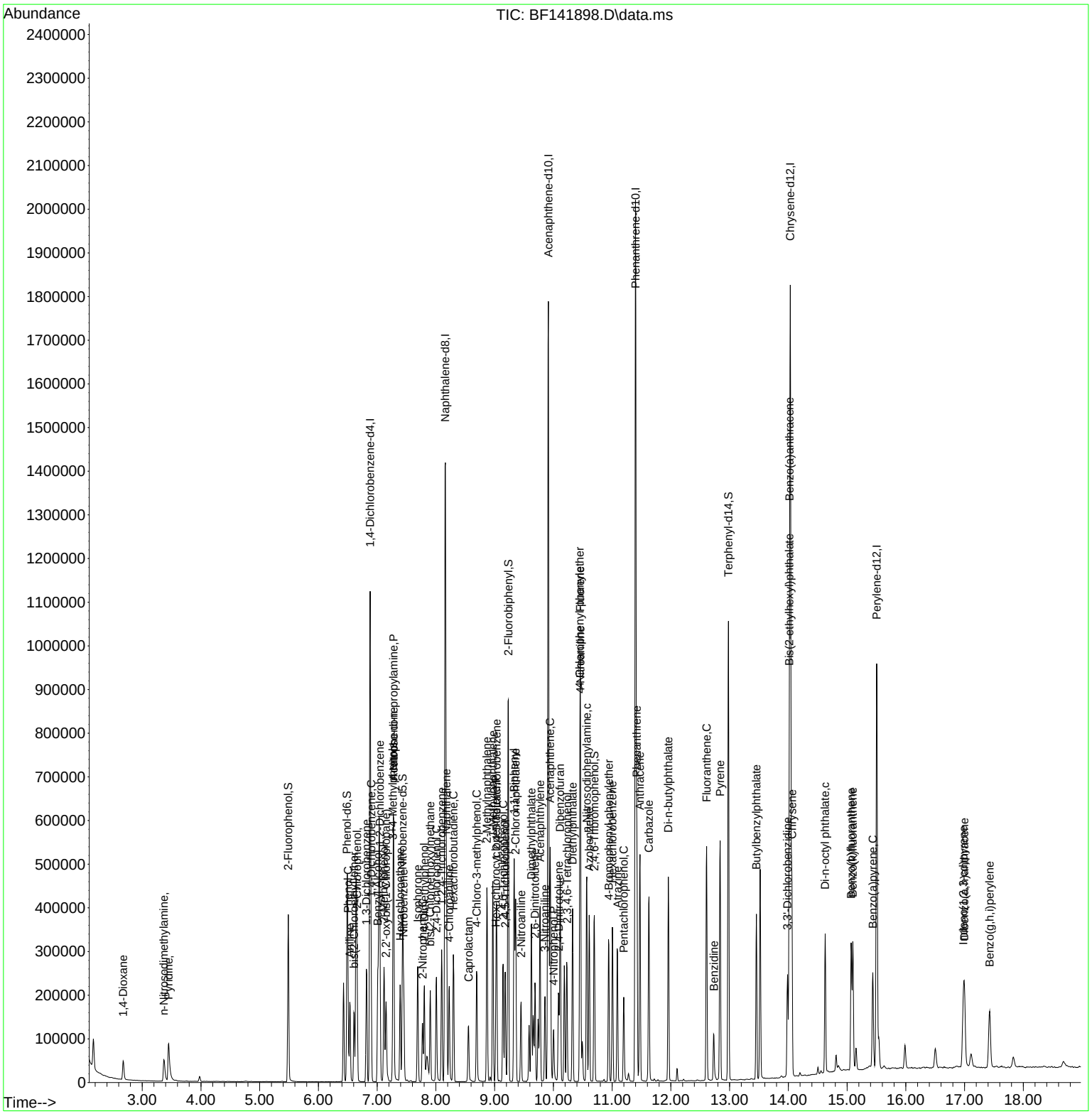
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	9.357	162	163642	5.298	ng	97
48) 2-Nitroaniline	9.451	65	40475	4.561	ng	98
49) Acenaphthylene	9.774	152	241253	5.268	ng	99
50) Dimethylphthalate	9.627	163	202373	5.328	ng	100
51) 2,6-Dinitrotoluene	9.686	165	37796	4.785	ng	99
52) Acenaphthene	9.945	154	168975	5.225	ng	98
53) 3-Nitroaniline	9.857	138	39761	4.902	ng	98
55) Dibenzofuran	10.116	168	252715	5.481	ng	97
56) 4-Nitrophenol	10.004	139	26252	4.309	ng	99
57) 2,4-Dinitrotoluene	10.092	165	49913	4.800	ng	98
58) Fluorene	10.457	166	197266	5.542	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	48472	4.839	ng	98
60) Diethylphthalate	10.327	149	201554	5.286	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	99747	5.380	ng	98
62) 4-Nitroaniline	10.463	138	38863	4.945	ng	94
63) Azobenzene	10.610	77	190233	5.370	ng	98
66) n-Nitrosodiphenylamine	10.569	169	169225	5.223	ng	98
67) 4-Bromophenyl-phenylether	10.945	248	60238	4.823	ng	98
68) Hexachlorobenzene	11.004	284	65620	4.753	ng	98
69) Atrazine	11.092	200	54251	6.867	ng	98
70) Pentachlorophenol	11.198	266	32716	3.843	ng	100
71) Phenanthrene	11.421	178	289580	5.340	ng	98
72) Anthracene	11.474	178	294198	5.407	ng	98
73) Carbazole	11.627	167	249634	5.329	ng	99
74) Di-n-butylphthalate	11.957	149	330999	5.352	ng	99
75) Fluoranthene	12.610	202	309273	5.432	ng	99
77) Benzidine	12.733	184	64673	6.138	ng	99
78) Pyrene	12.839	202	315969	4.941	ng	99
80) Butylbenzylphthalate	13.457	149	117256	4.653	ng	99
81) Benzo(a)anthracene	14.021	228	255308	5.205	ng	100
82) 3,3'-Dichlorobenzidine	13.986	252	68969	4.865	ng	100
83) Chrysene	14.062	228	213144	4.837	ng	99
84) Bis(2-ethylhexyl)phtha...	14.015	149	167165	4.836	ng	99
85) Di-n-octyl phthalate	14.627	149	213395	4.435	ng	99
87) Indeno(1,2,3-cd)pyrene	16.980	276	144536	4.228	ng	99
88) Benzo(b)fluoranthene	15.068	252	187154	5.234	ng	99
89) Benzo(k)fluoranthene	15.098	252	153142	4.903	ng	99
90) Benzo(a)pyrene	15.439	252	137043	4.860	ng	99
91) Dibenzo(a,h)anthracene	16.998	278	119937	4.252	ng	99
92) Benzo(g,h,i)perylene	17.427	276	120142	4.294	ng	99

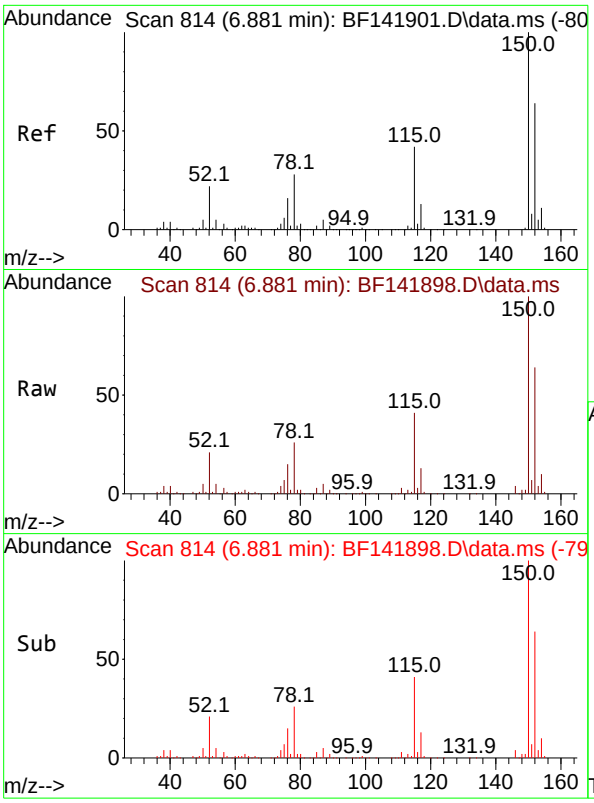
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141898.D
Acq On : 10 Mar 2025 11:30
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Mar 10 15:32:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



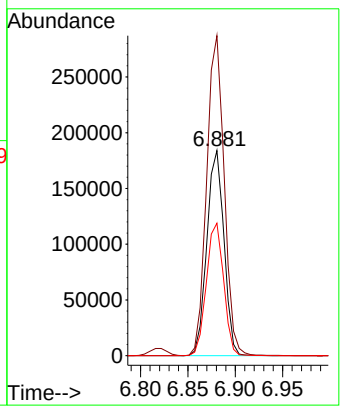


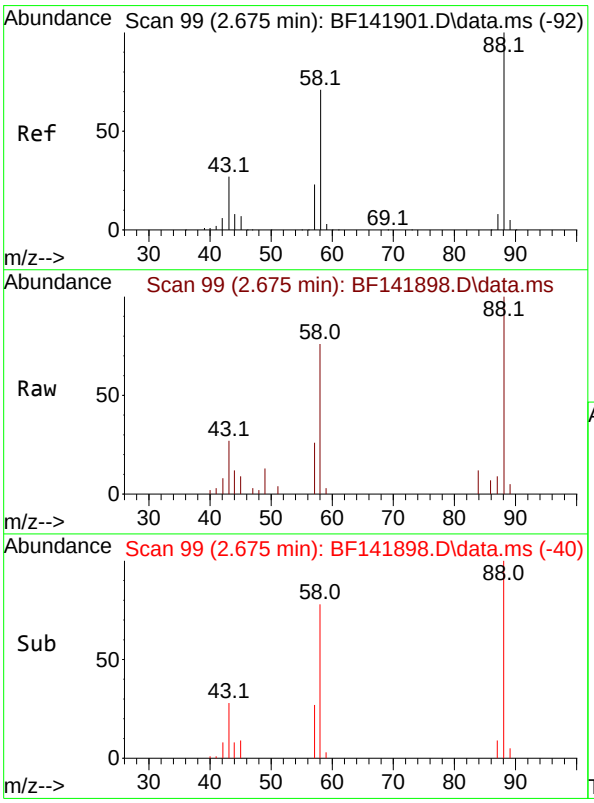
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 230406

Ion	Ratio	Lower	Upper
152	100		
150	155.9	127.4	191.2
115	64.6	51.9	77.9

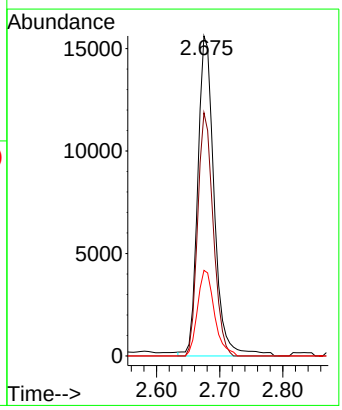


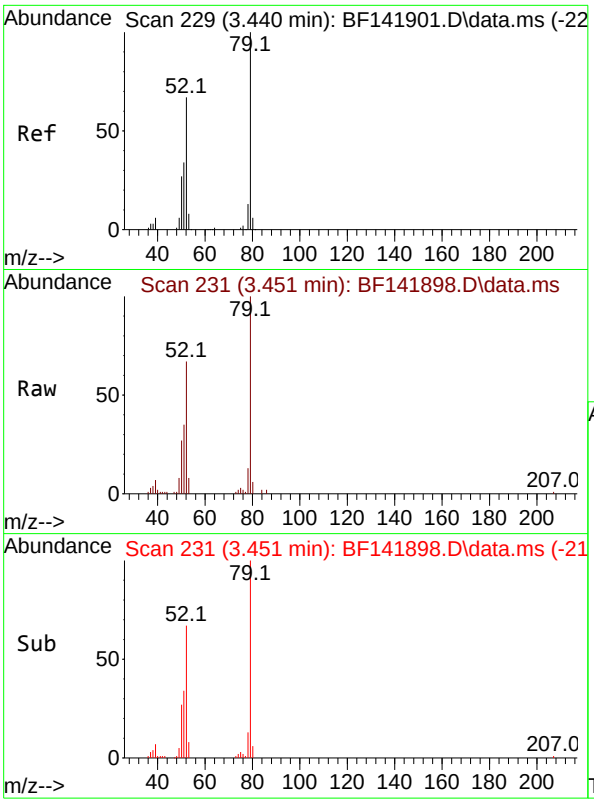


#2
1,4-Dioxane
Concen: 4.874 ng
RT: 2.675 min Scan# 99
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 88 Resp: 28210

Ion	Ratio	Lower	Upper
88	100		
58	71.4	57.4	86.2
43	27.5	21.5	32.3



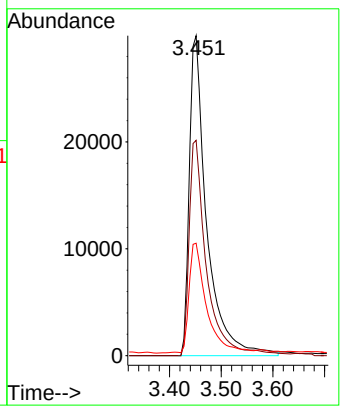


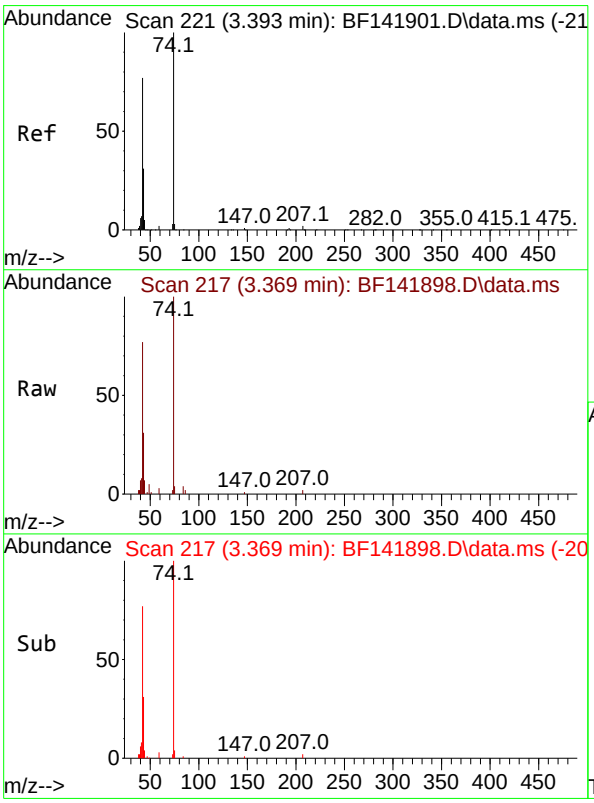
#3
Pyridine
Concen: 4.928 ng
RT: 3.451 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 70090

Ion	Ratio	Lower	Upper
79	100		
52	67.3	53.3	79.9
51	35.2	27.6	41.4

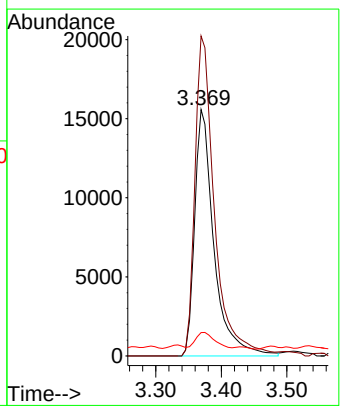


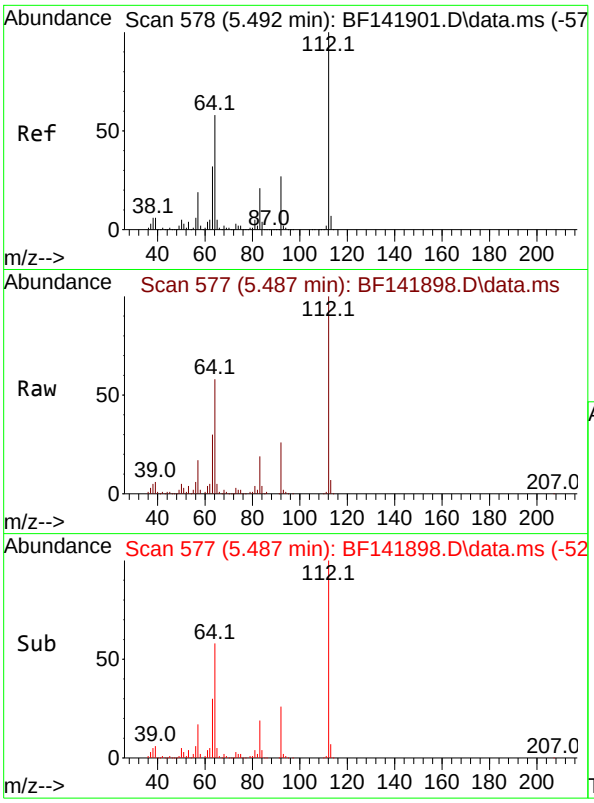


#4
n-Nitrosodimethylamine
Concen: 4.717 ng
RT: 3.369 min Scan# 217
Delta R.T. -0.024 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 42 Resp: 31893

Ion	Ratio	Lower	Upper
42	100		
74	129.9	103.4	155.0
44	9.5	5.0	7.4#



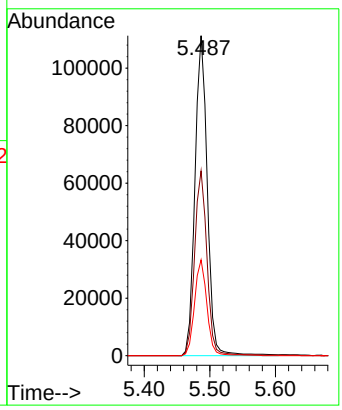


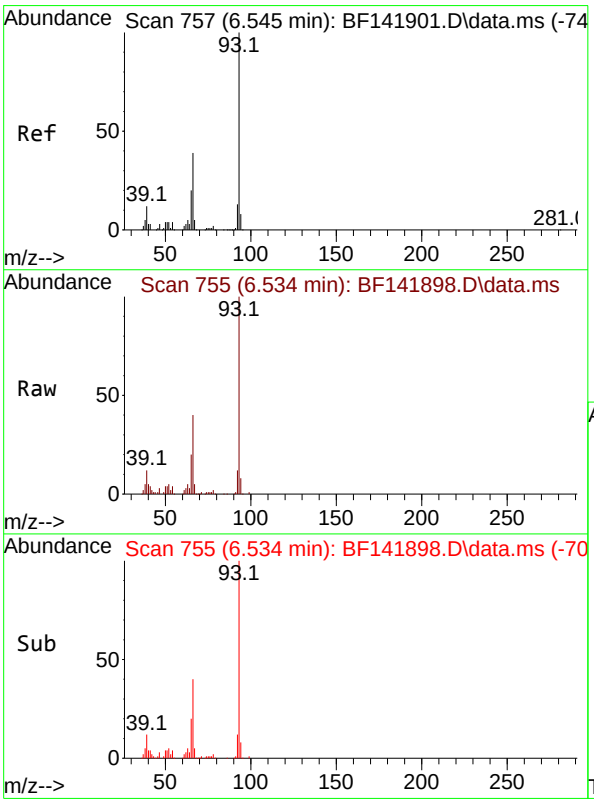
#5
2-Fluorophenol
Concen: 10.570 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 145959

Ion	Ratio	Lower	Upper
112	100		
64	57.8	46.5	69.7
63	29.9	25.4	38.2

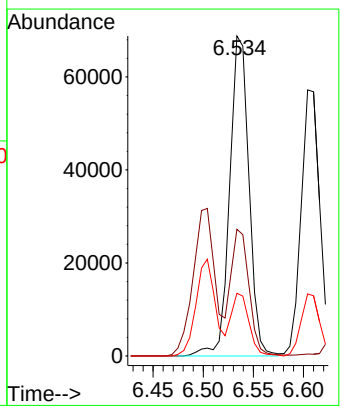


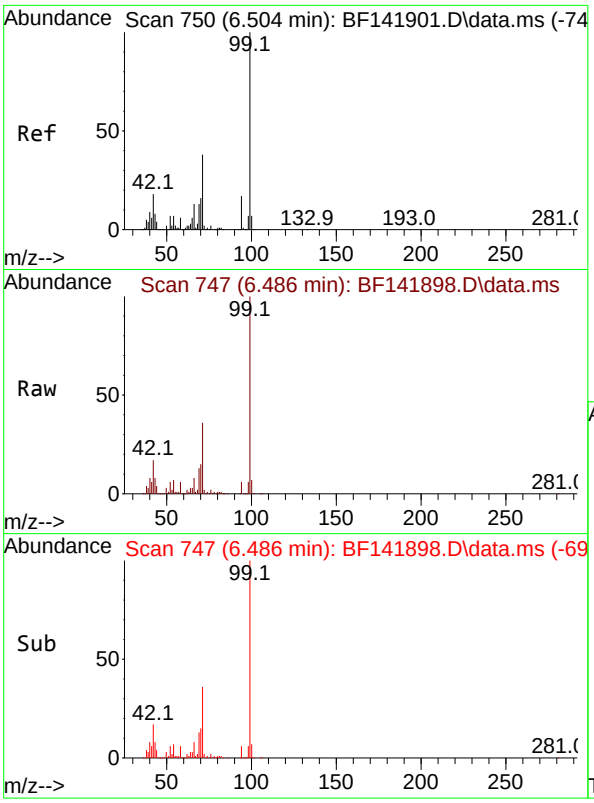


#6
Aniline
Concen: 5.305 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 93 Resp: 92116

Ion	Ratio	Lower	Upper
93	100		
66	39.6	31.9	47.9
65	19.6	15.8	23.6



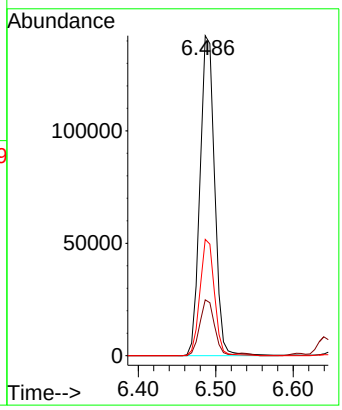


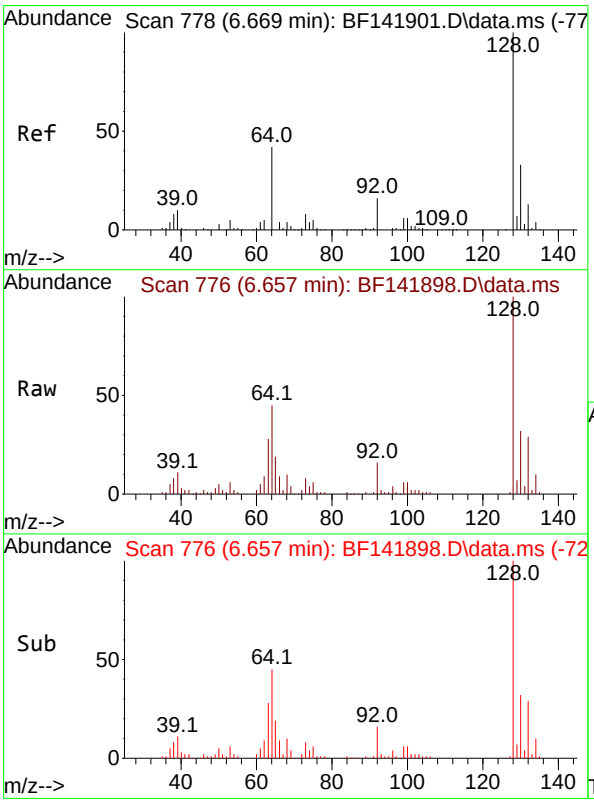
#7
Phenol-d6
Concen: 10.630 ng
RT: 6.486 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 186951

Ion	Ratio	Lower	Upper
99	100		
42	17.5	14.6	21.8
71	36.4	30.8	46.2

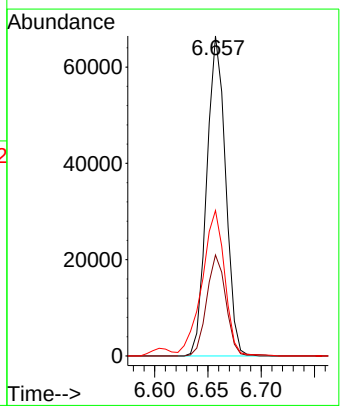


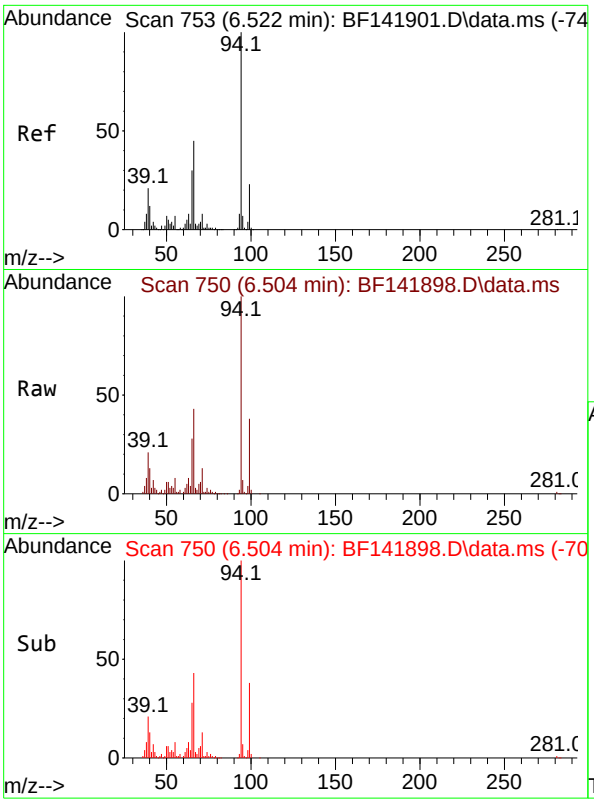


#8
2-Chlorophenol
Concen: 5.347 ng
RT: 6.657 min Scan# 776
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:128 Resp: 81845

Ion	Ratio	Lower	Upper
128	100		
130	31.5	12.8	52.8
64	45.5	24.4	64.4



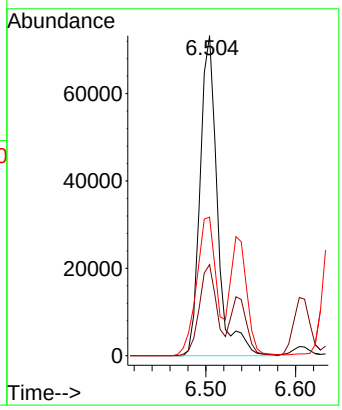


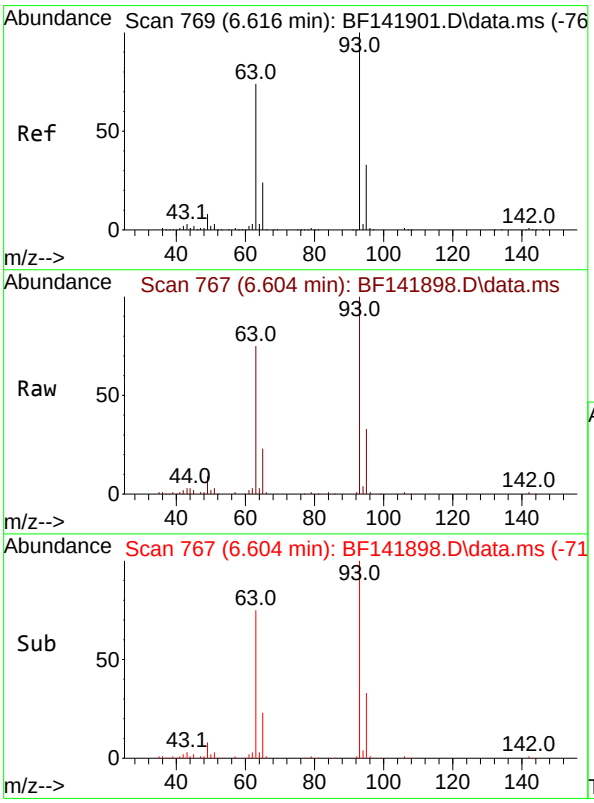
#10
Phenol
Concen: 5.301 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 94 Resp: 98369

Ion	Ratio	Lower	Upper
94	100		
65	28.4	10.5	50.5
66	43.3	25.8	65.8

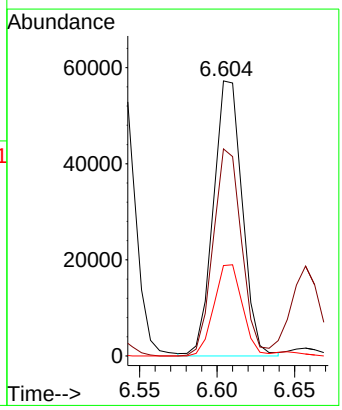


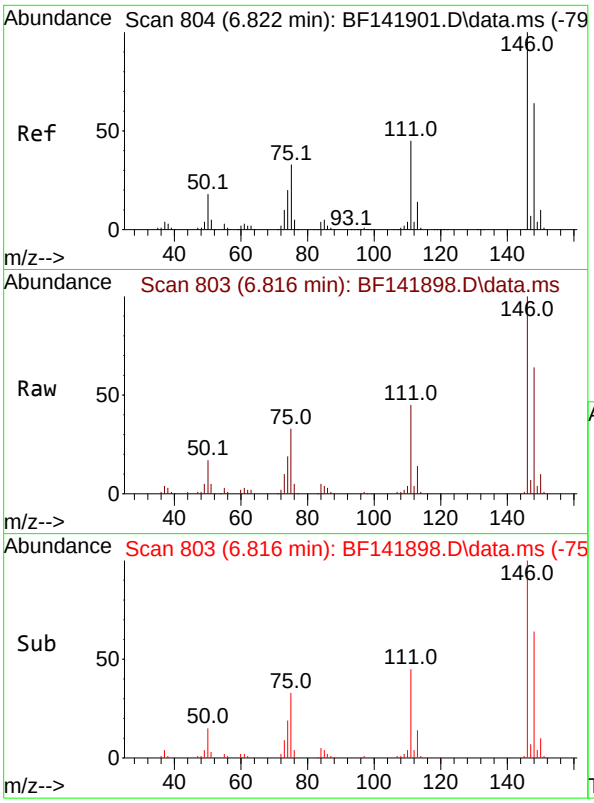


#11
bis(2-Chloroethyl)ether
Concen: 5.334 ng
RT: 6.604 min Scan# 767
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 93 Resp: 74158

Ion	Ratio	Lower	Upper
93	100		
63	75.3	53.0	93.0
95	32.9	12.9	52.9



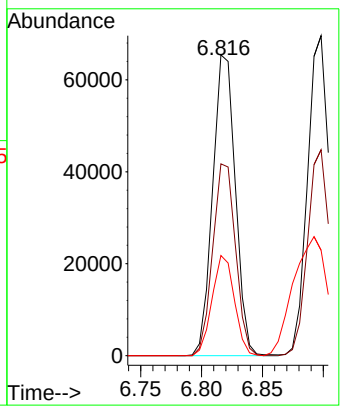


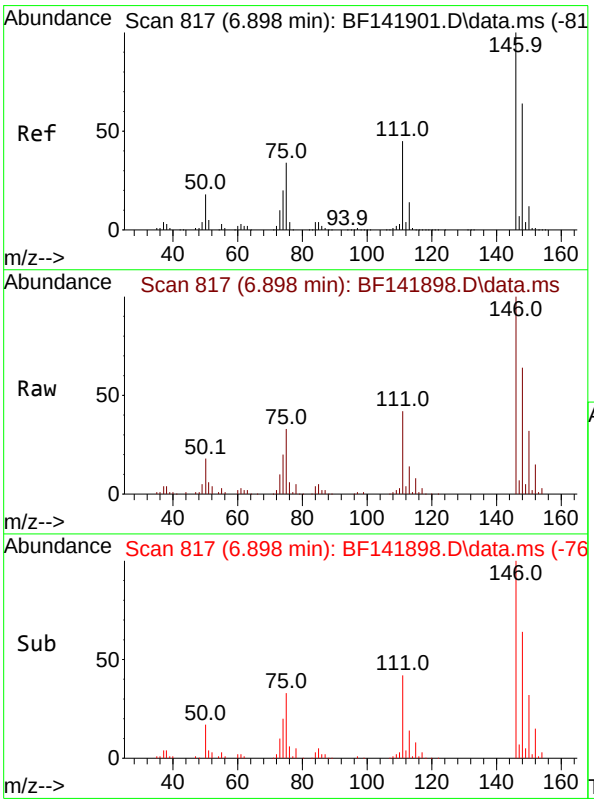
#12
1,3-Dichlorobenzene
Concen: 5.136 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 84952

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.3	76.9
75	33.3	26.6	40.0

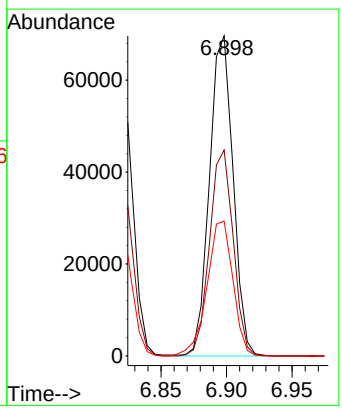


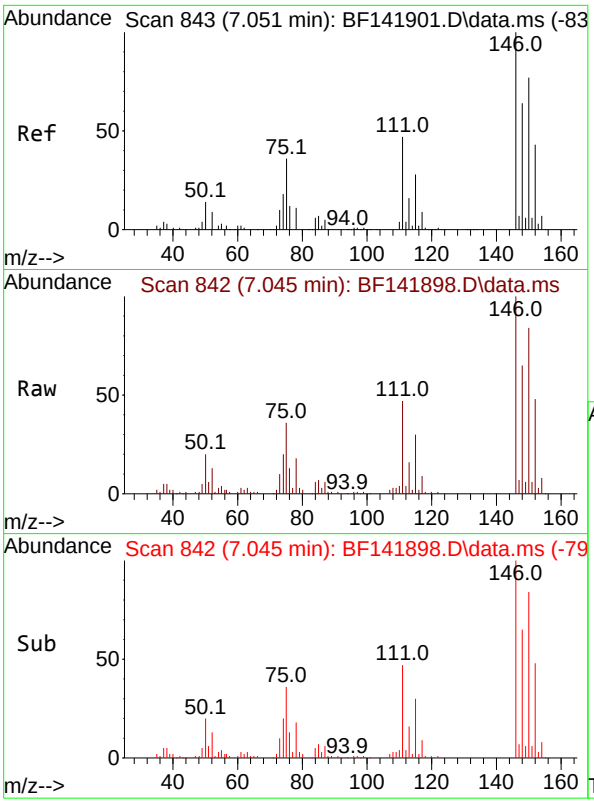


#13
1,4-Dichlorobenzene
Concen: 5.213 ng
RT: 6.898 min Scan# 817
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:146 Resp: 87237

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.0	76.6
111	42.2	35.7	53.5



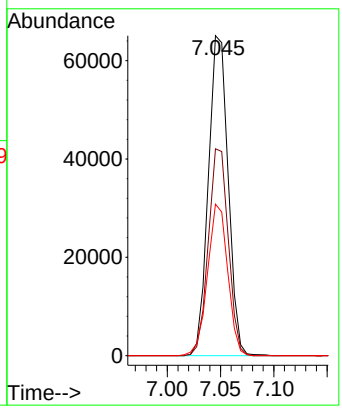


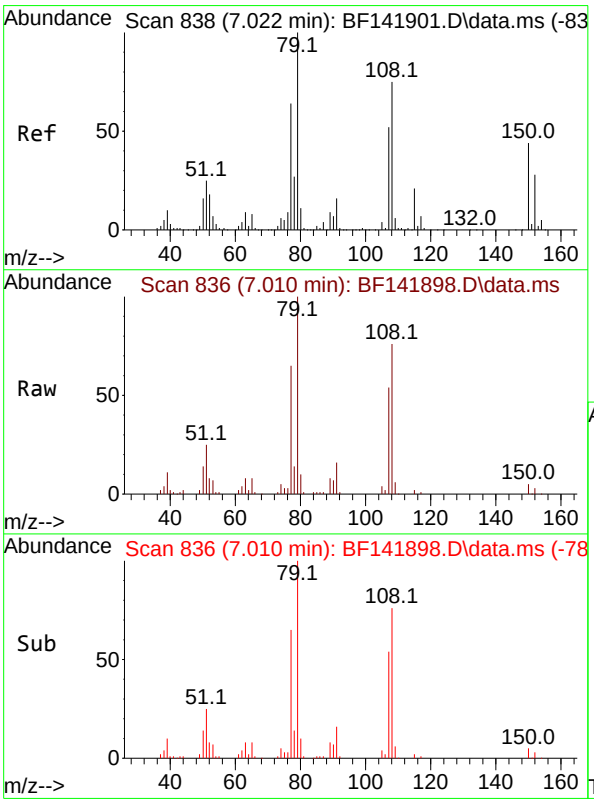
#14
1,2-Dichlorobenzene
Concen: 5.342 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 84183

Ion	Ratio	Lower	Upper
146	100		
148	64.7	50.8	76.2
111	47.4	38.0	57.0

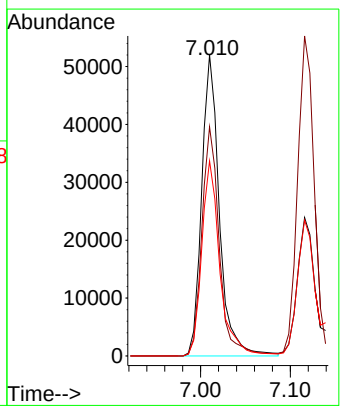


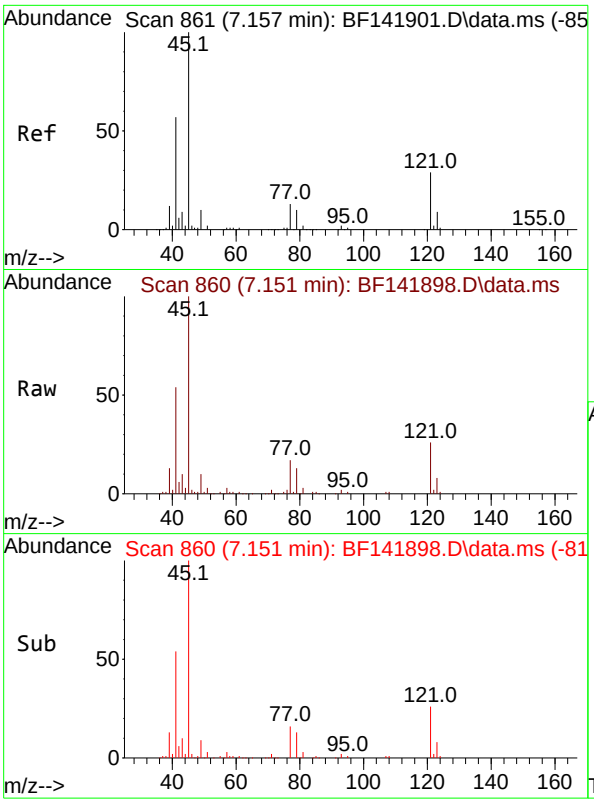


#15
Benzyl Alcohol
Concen: 5.000 ng
RT: 7.010 min Scan# 836
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 79 Resp: 71182

Ion	Ratio	Lower	Upper
79	100		
108	76.1	59.7	89.5
77	64.8	51.0	76.6



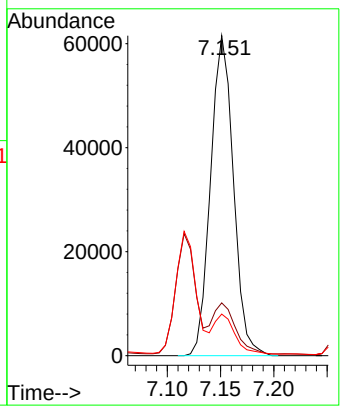


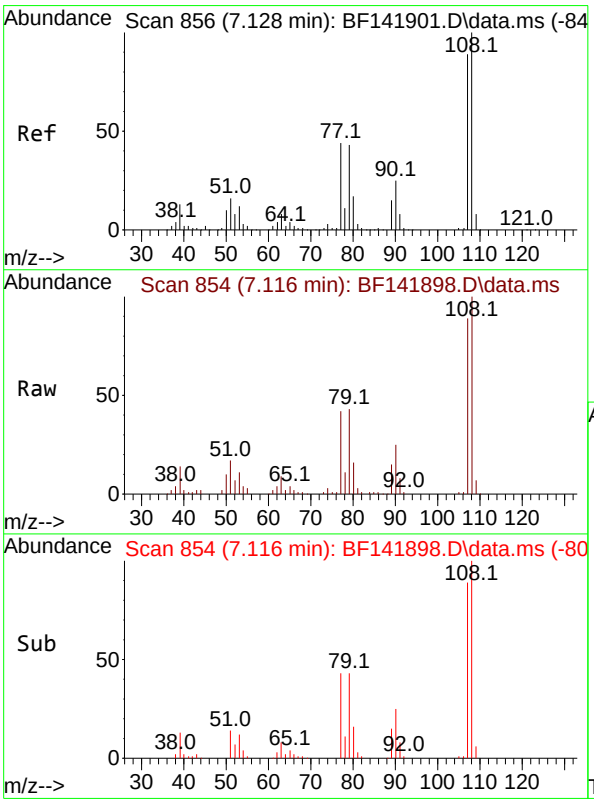
#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.470 ng
RT: 7.151 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 45 Resp: 91659

Ion	Ratio	Lower	Upper
45	100		
77	16.5	0.0	37.8
79	13.0	0.0	34.2

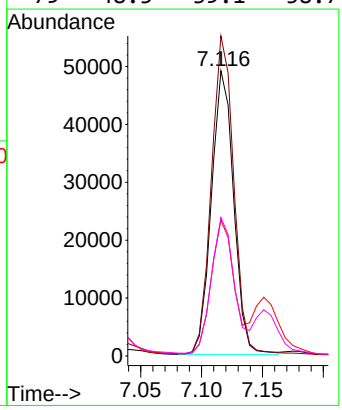


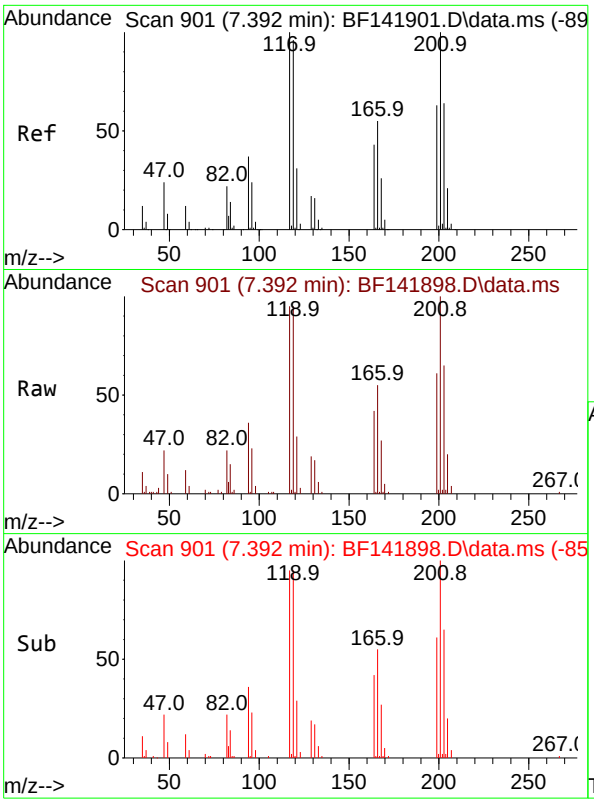


#17
2-Methylphenol
Concen: 5.114 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:107 Resp: 62211

Ion	Ratio	Lower	Upper
107	100		
108	112.2	90.2	135.2
77	47.6	39.6	59.4
79	48.5	39.1	58.7



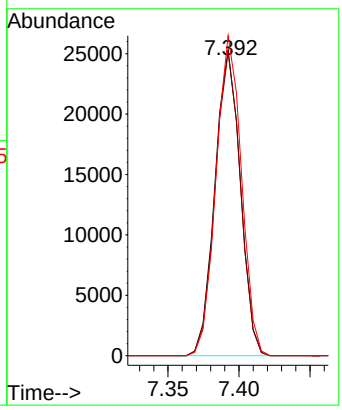


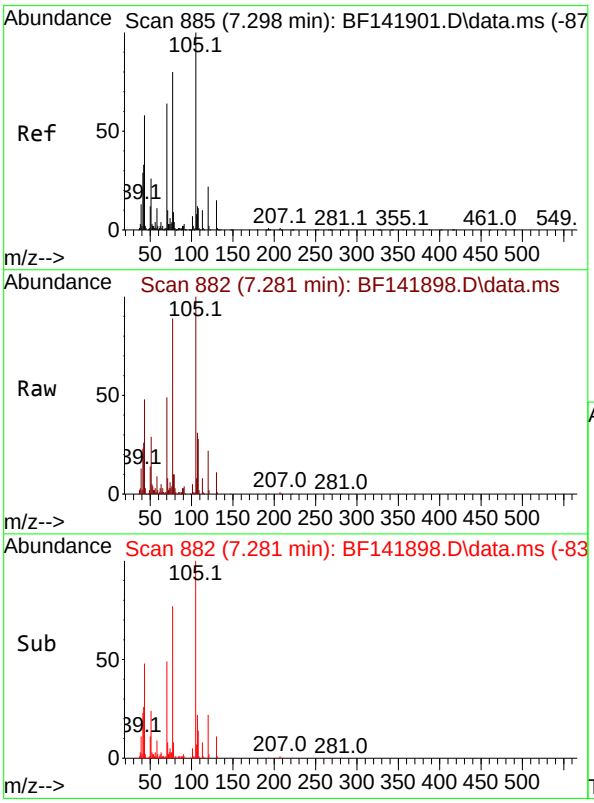
#18
Hexachloroethane
Concen: 5.000 ng
RT: 7.392 min Scan# 9(
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:117 Resp: 31373

Ion	Ratio	Lower	Upper
117	100		
119	99.3	76.9	115.3
201	104.7	79.9	119.9

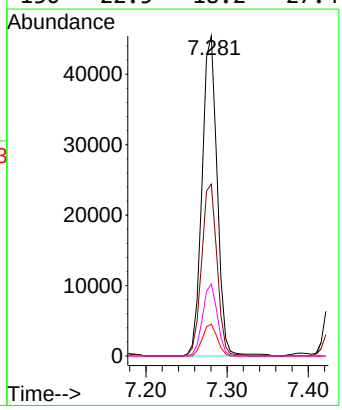


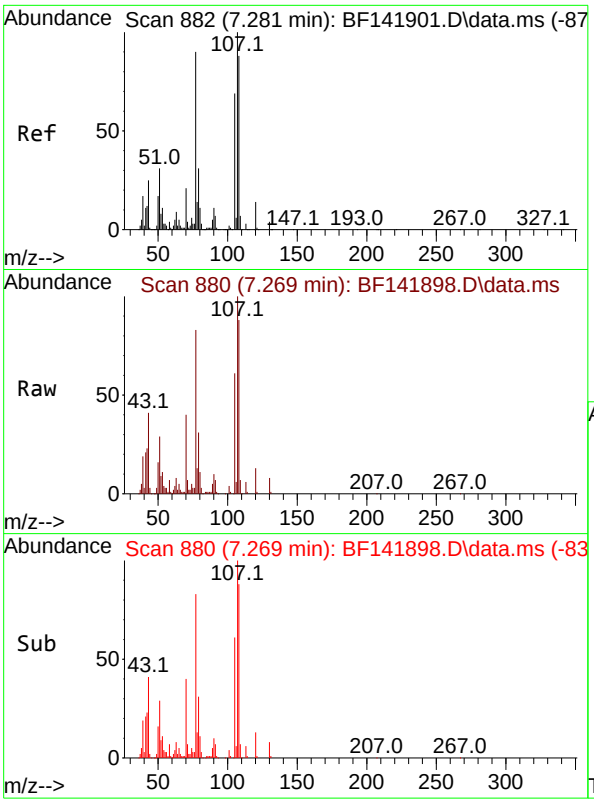


#19
n-Nitroso-di-n-propylamine
Concen: 5.218 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.018 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 70 Resp: 58981

Ion	Ratio	Lower	Upper
70	100		
42	53.7	41.4	62.0
101	9.9	8.2	12.2
130	22.5	18.2	27.4



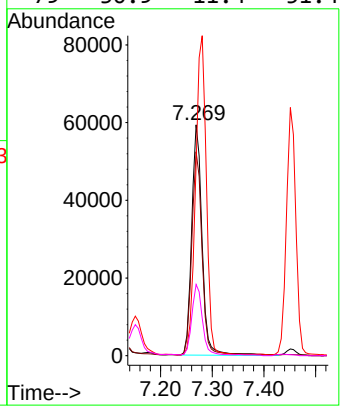


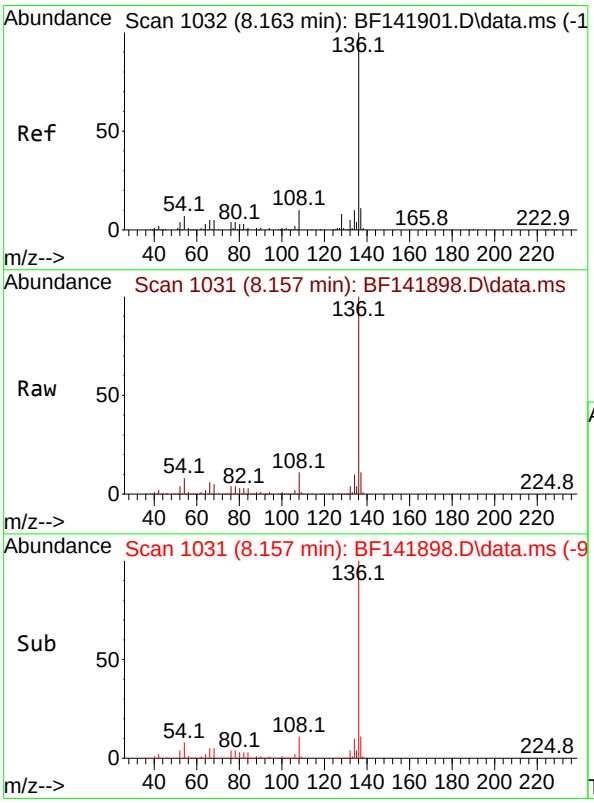
#20
3+4-Methylphenols
Concen: 5.349 ng
RT: 7.269 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 83461

Ion	Ratio	Lower	Upper
107	100		
108	88.4	68.4	108.4
77	83.1	69.7	109.7
79	30.9	11.4	51.4

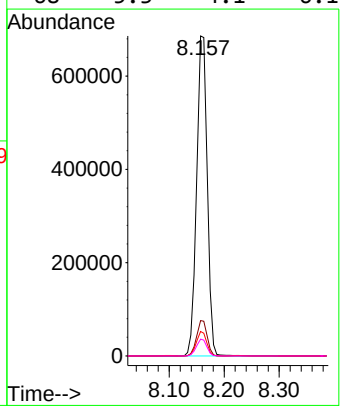


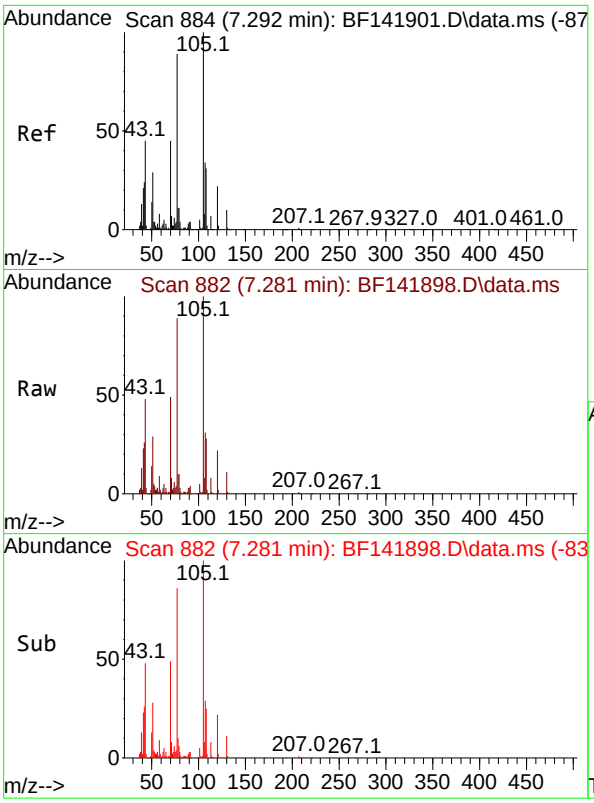


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:136 Resp: 926118

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.7	5.8	8.8
68	5.3	4.1	6.1



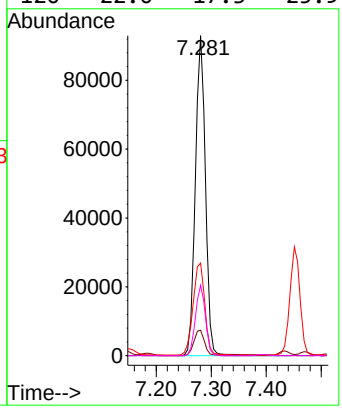


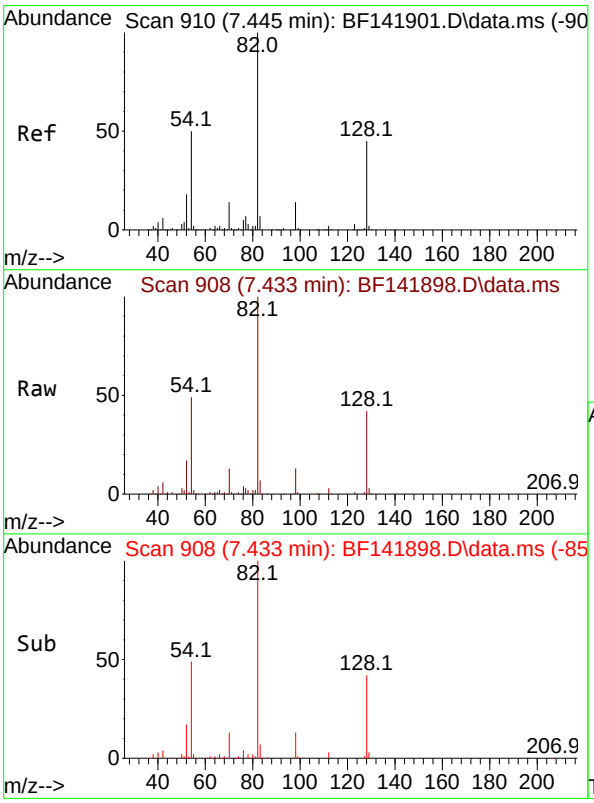
#22
Acetophenone
Concen: 5.358 ng
RT: 7.281 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:105 Resp: 119040

Ion	Ratio	Lower	Upper
105	100		
71	8.0	5.8	8.8
51	29.0	23.4	35.0
120	22.0	17.3	25.9

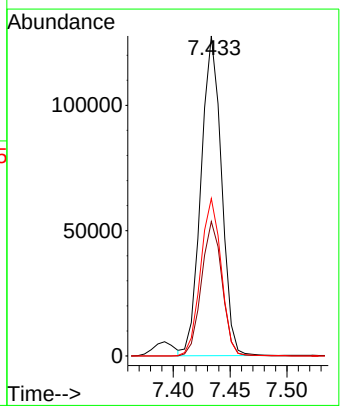


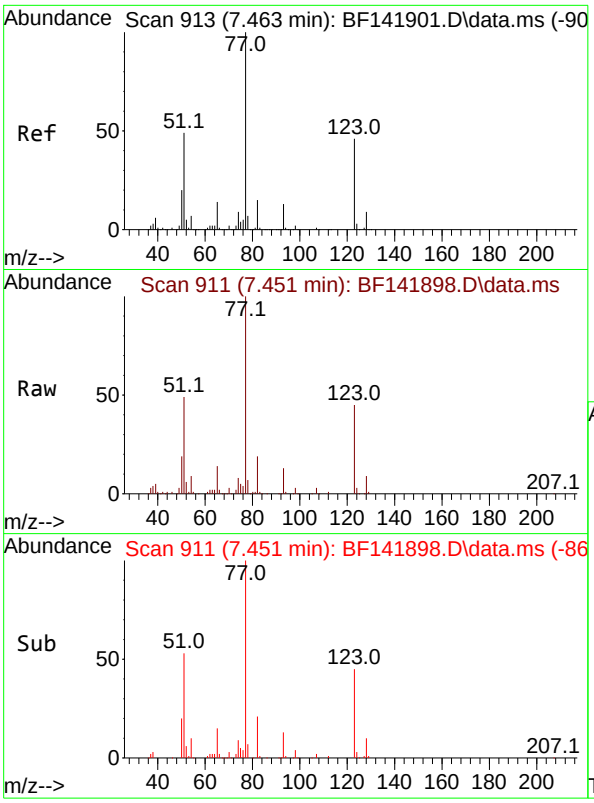


#23
Nitrobenzene-d5
Concen: 9.670 ng
RT: 7.433 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 82 Resp: 159777

Ion	Ratio	Lower	Upper
82	100		
128	42.0	36.0	54.0
54	49.2	39.6	59.4



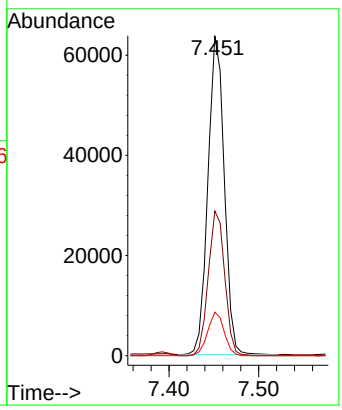


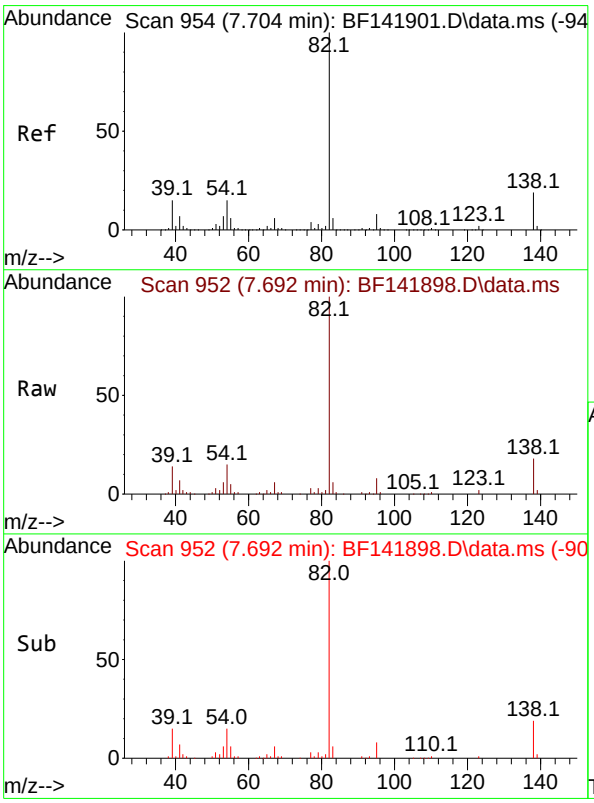
#24
Nitrobenzene
Concen: 4.904 ng
RT: 7.451 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 80338

Ion	Ratio	Lower	Upper
77	100		
123	45.2	37.0	55.4
65	13.6	11.3	16.9

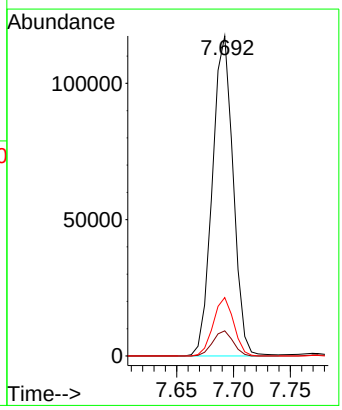


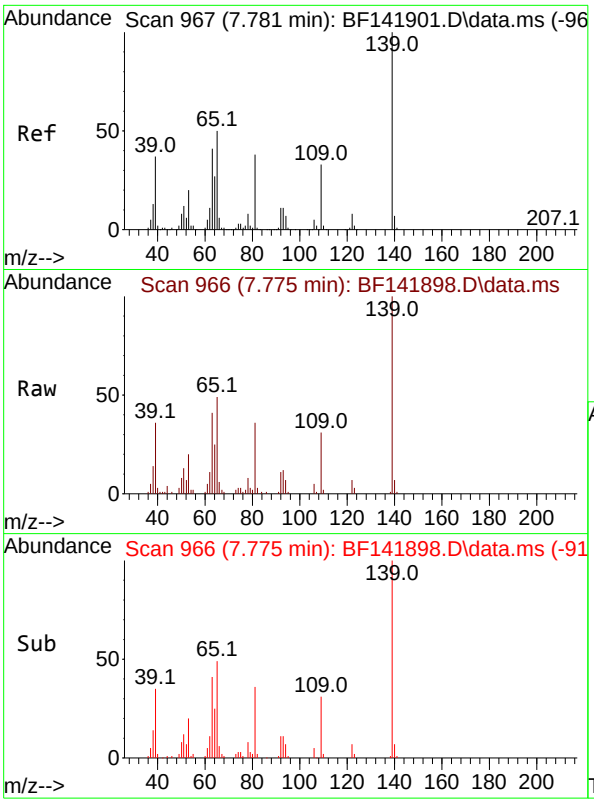


#25
Isophorone
Concen: 5.135 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 82 Resp: 149807

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	18.3	14.9	22.3



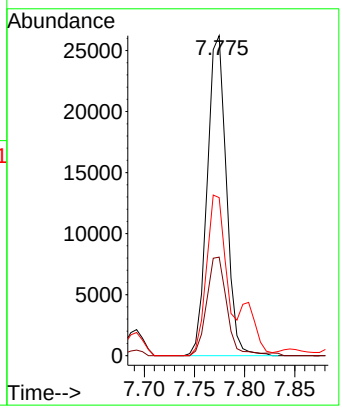


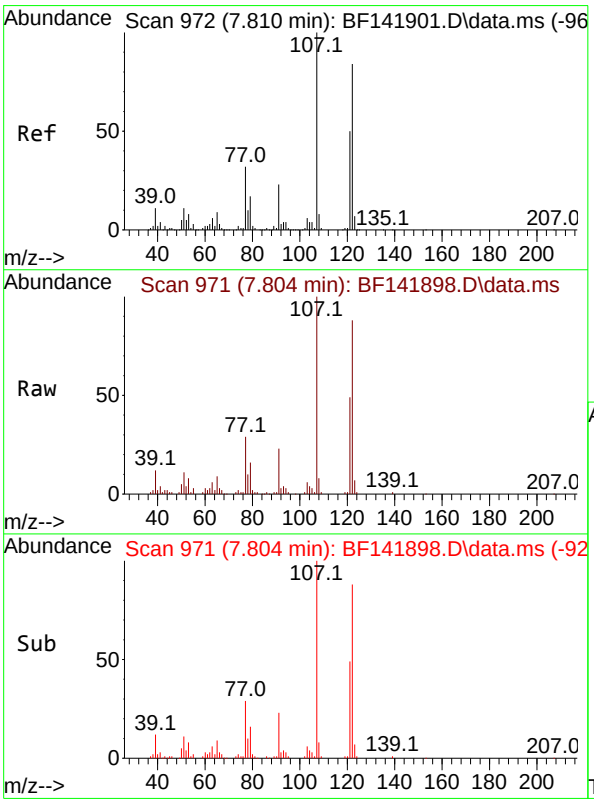
#26
2-Nitrophenol
Concen: 4.329 ng
RT: 7.775 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:139 Resp: 34757

Ion	Ratio	Lower	Upper
139	100		
109	30.8	26.5	39.7
65	49.4	40.3	60.5

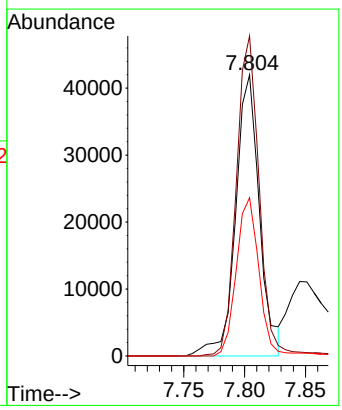


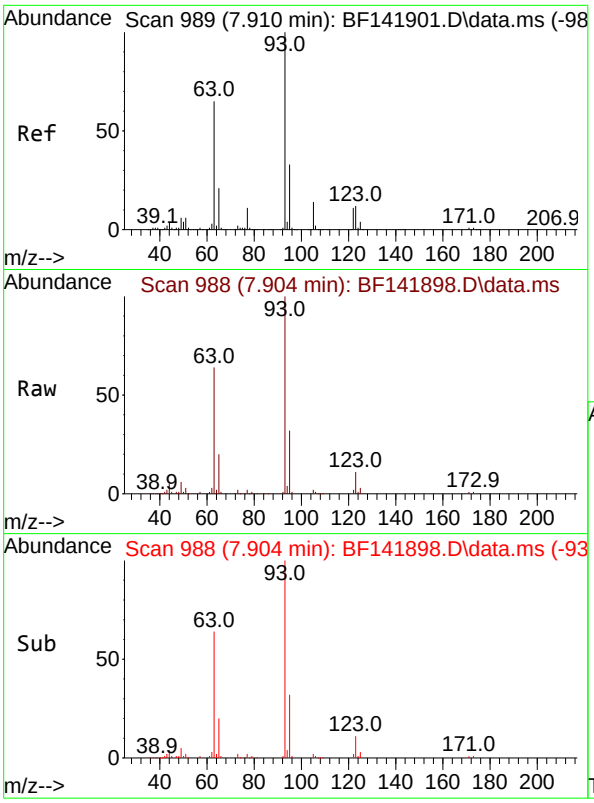


#27
2,4-Dimethylphenol
Concen: 5.164 ng
RT: 7.804 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:122 Resp: 57106

Ion	Ratio	Lower	Upper
122	100		
107	113.8	94.8	142.2
121	56.3	47.8	71.6



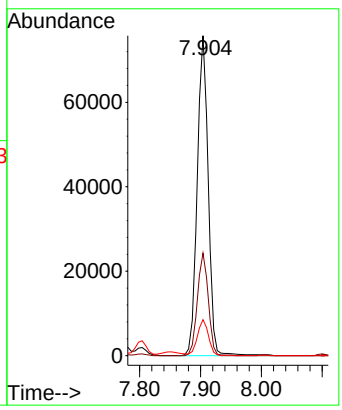


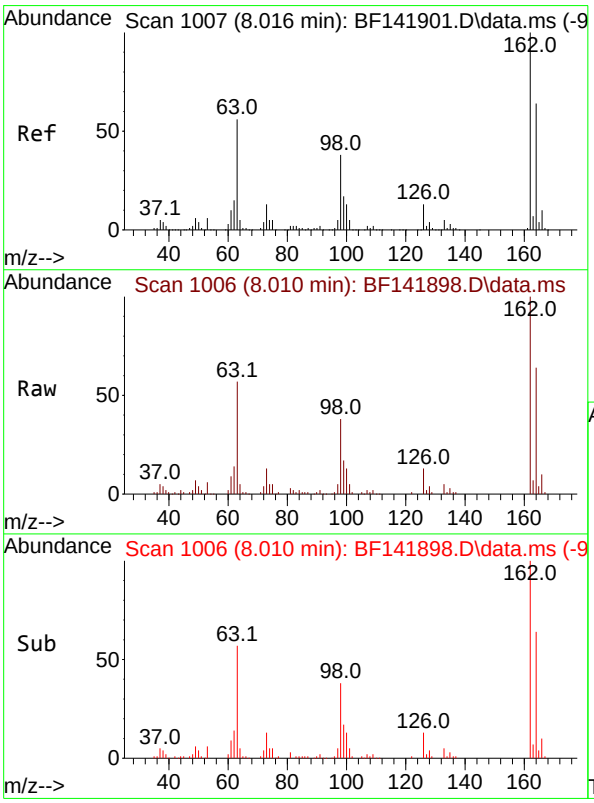
#28
bis(2-Chloroethoxy)methane
Concen: 5.210 ng
RT: 7.904 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 95214

Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.6	40.0
123	11.3	10.2	15.4

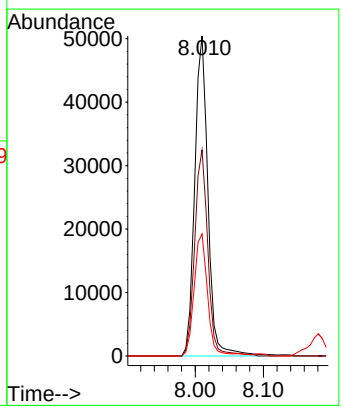


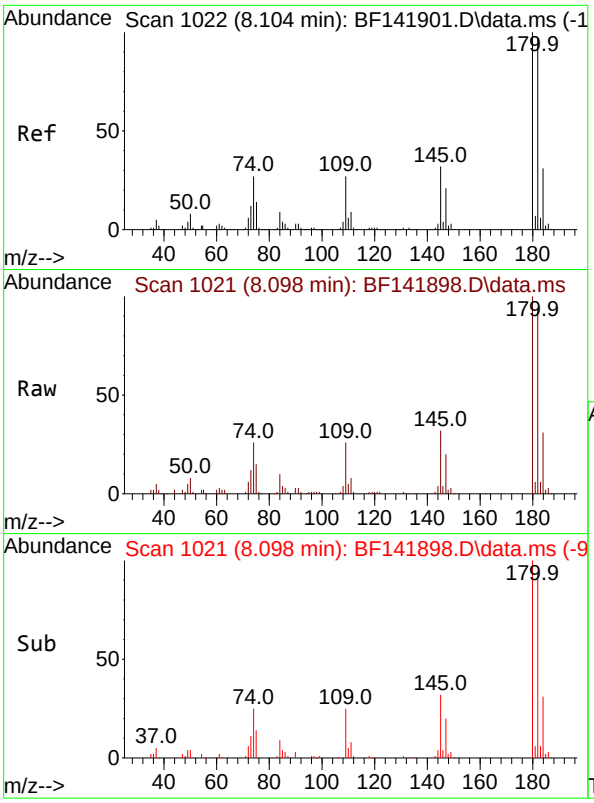


#29
2,4-Dichlorophenol
Concen: 4.934 ng
RT: 8.010 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:162 Resp: 67710

Ion	Ratio	Lower	Upper
162	100		
164	64.4	43.8	83.8
98	38.2	18.1	58.1



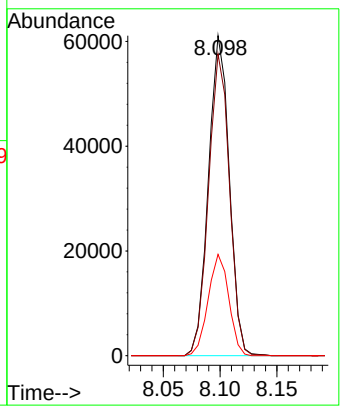


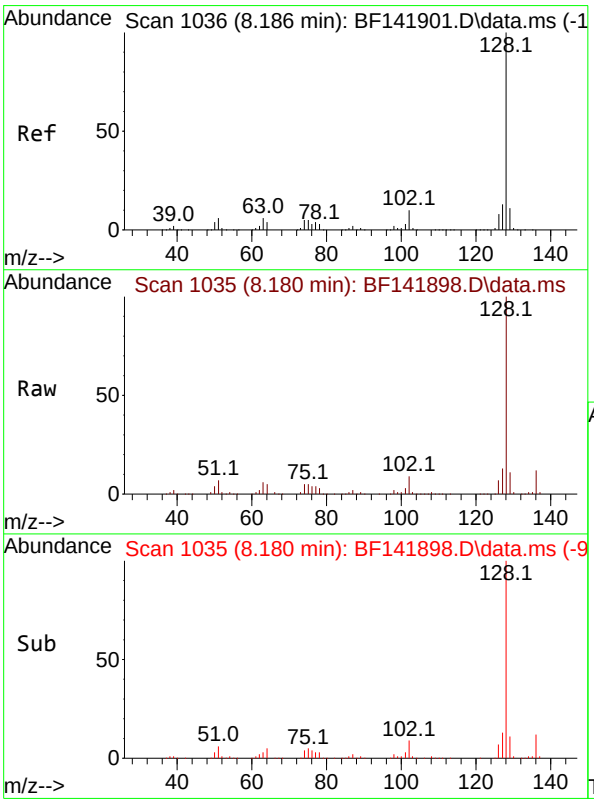
#30
1,2,4-Trichlorobenzene
Concen: 5.160 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:180 Resp: 78127

Ion	Ratio	Lower	Upper
180	100		
182	94.3	77.5	116.3
145	31.6	25.8	38.6

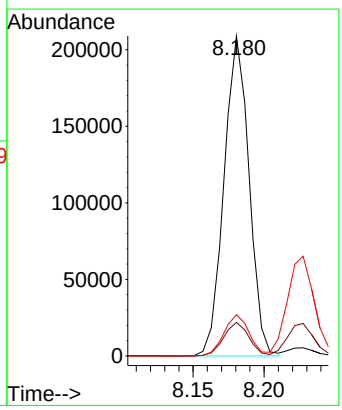


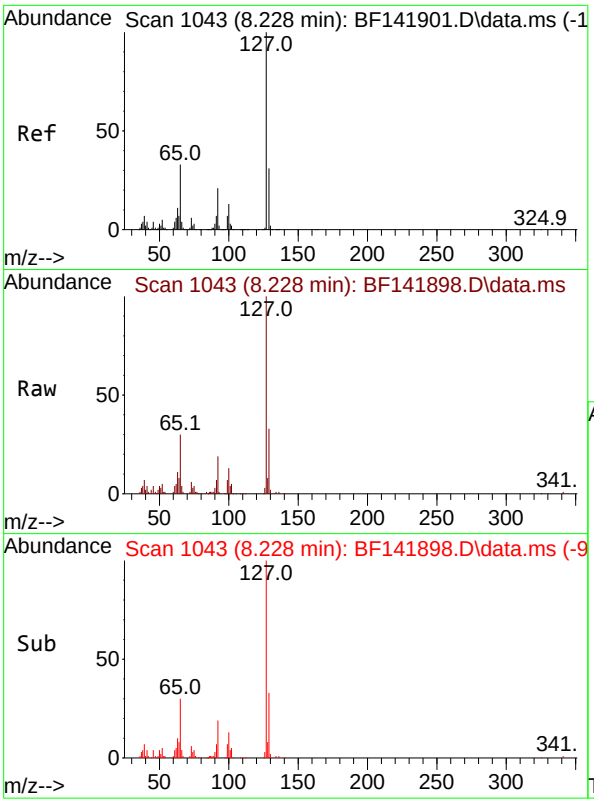


#31
Naphthalene
Concen: 5.388 ng
RT: 8.180 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:128 Resp: 255632

Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.0	13.6
127	12.9	10.8	16.2



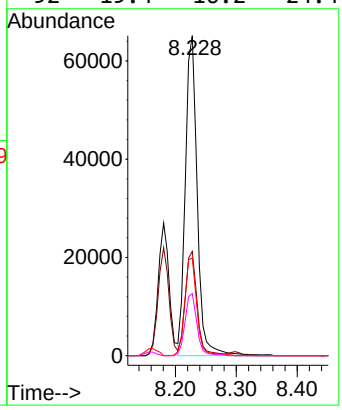


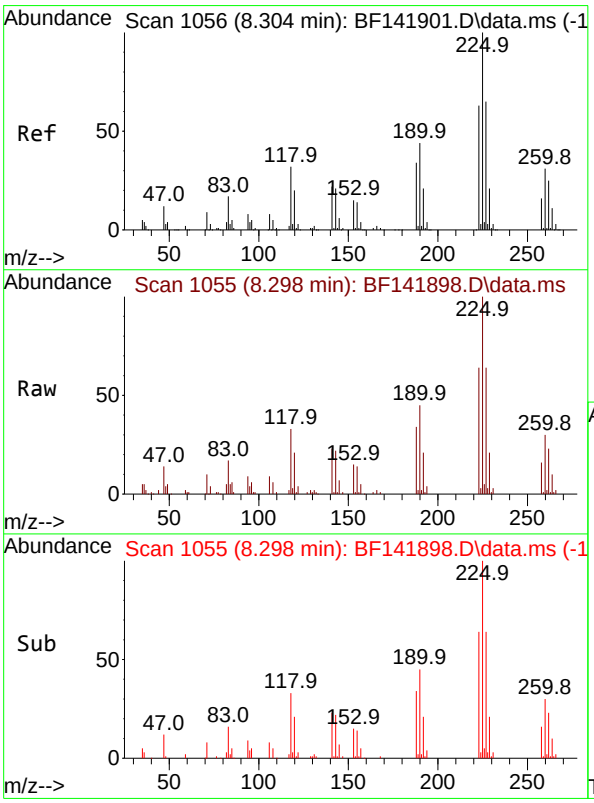
#33
4-Chloroaniline
Concen: 5.294 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:127 Resp: 88635

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.2	39.4
65	30.5	25.4	38.2
92	19.4	16.2	24.4

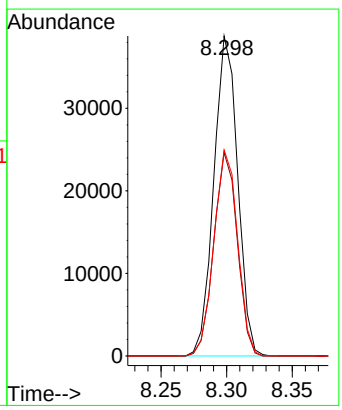


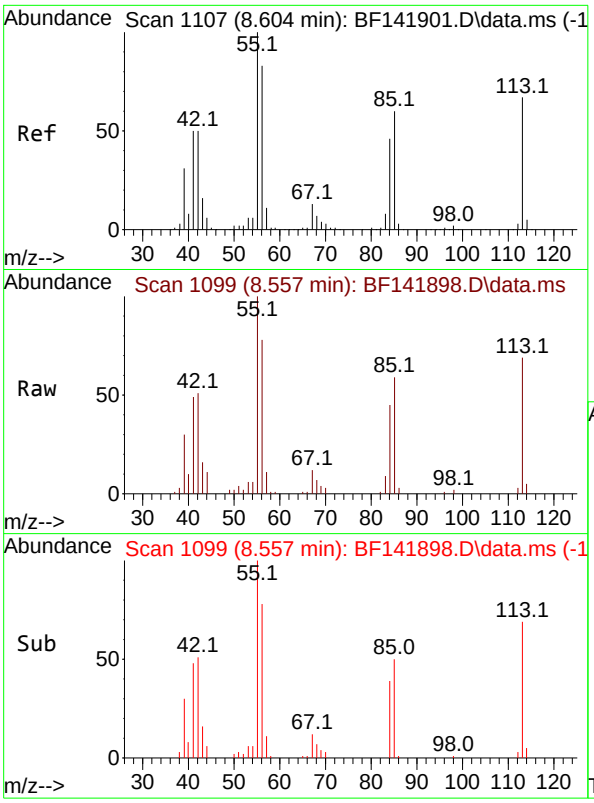


#34
Hexachlorobutadiene
Concen: 4.966 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:225 Resp: 48885

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.6	75.8
227	64.4	52.2	78.2



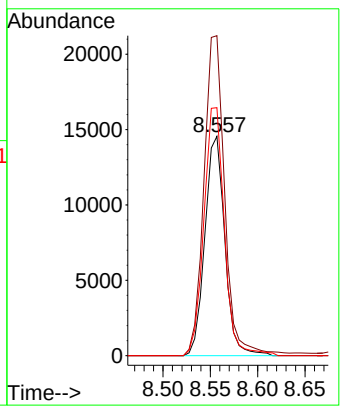


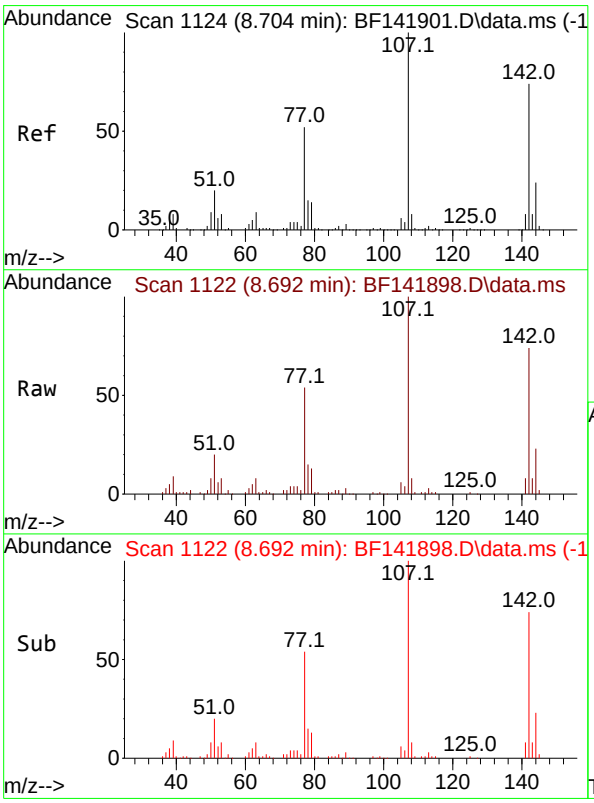
#35
Caprolactam
Concen: 5.118 ng
RT: 8.557 min Scan# 1
Delta R.T. -0.047 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:113 Resp: 21358

Ion	Ratio	Lower	Upper
113	100		
55	145.9	129.6	169.6
56	113.1	104.0	144.0

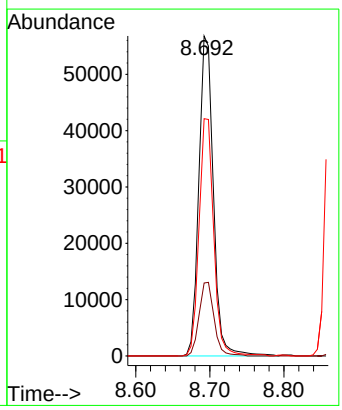


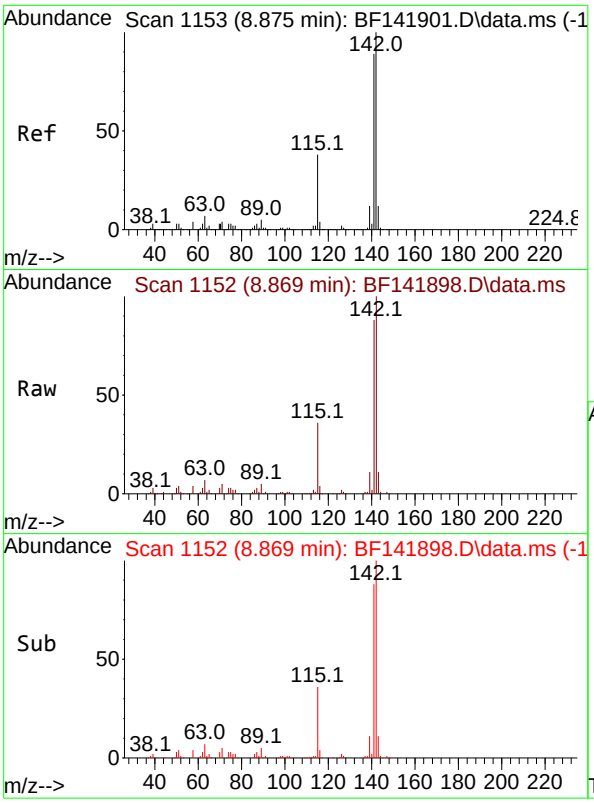


#36
4-Chloro-3-methylphenol
Concen: 5.070 ng
RT: 8.692 min Scan# 1122
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:107 Resp: 77370

Ion	Ratio	Lower	Upper
107	100		
144	22.8	19.0	28.6
142	74.2	59.2	88.8



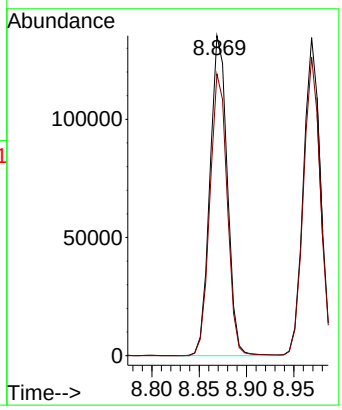


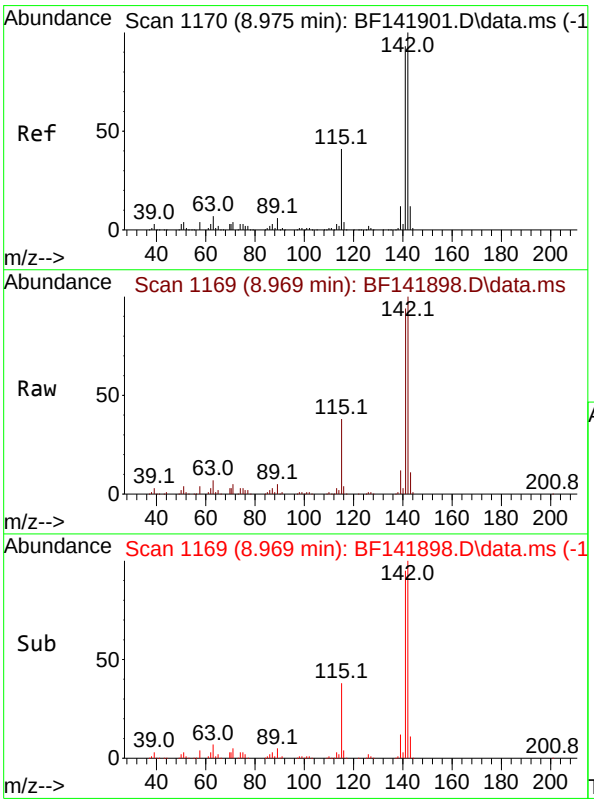
#37
2-Methylnaphthalene
Concen: 5.427 ng
RT: 8.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 172734

Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.2	106.8

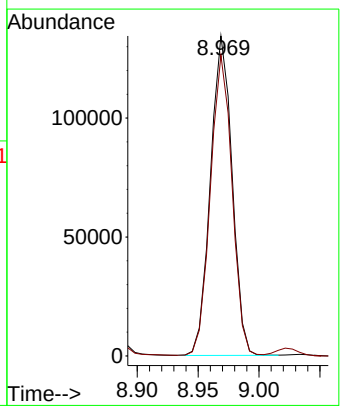


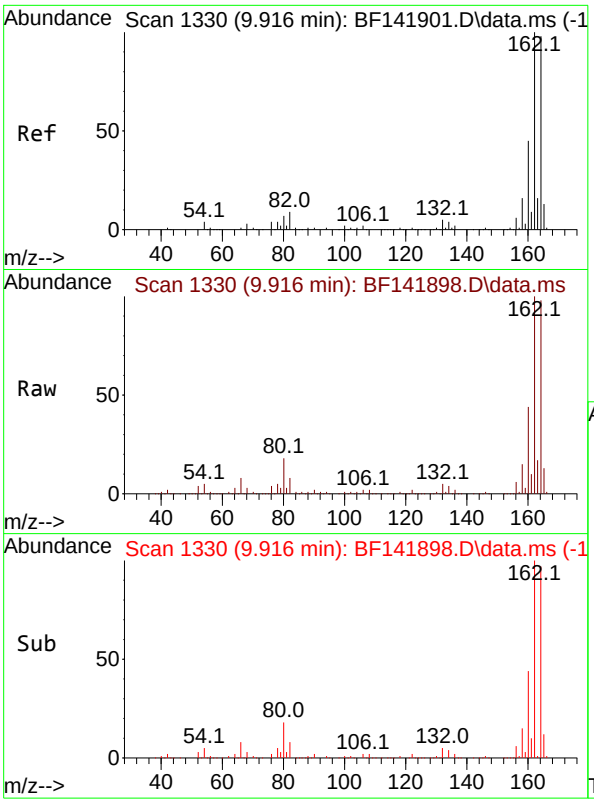


#38
1-Methylnaphthalene
Concen: 5.387 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:142 Resp: 166050

Ion	Ratio	Lower	Upper
142	100		
141	93.9	74.2	111.4



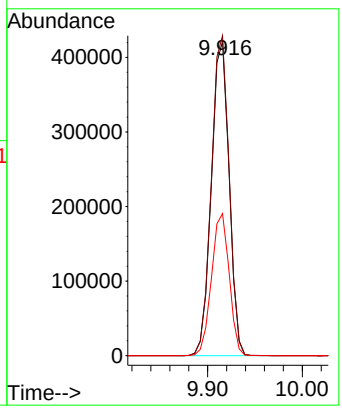


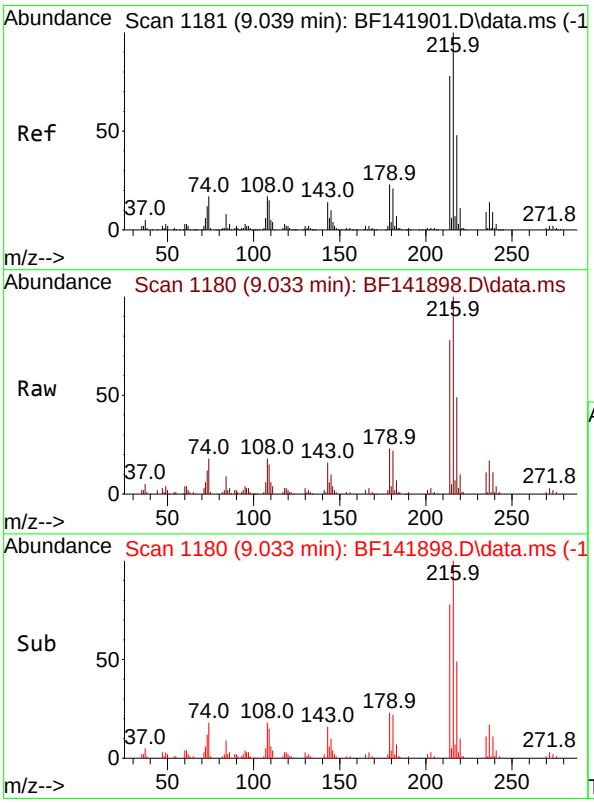
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 546702

Ion	Ratio	Lower	Upper
164	100		
162	101.8	81.8	122.6
160	45.2	36.7	55.1

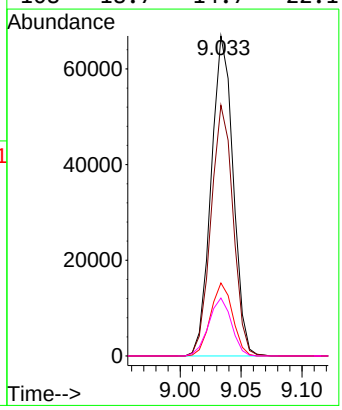


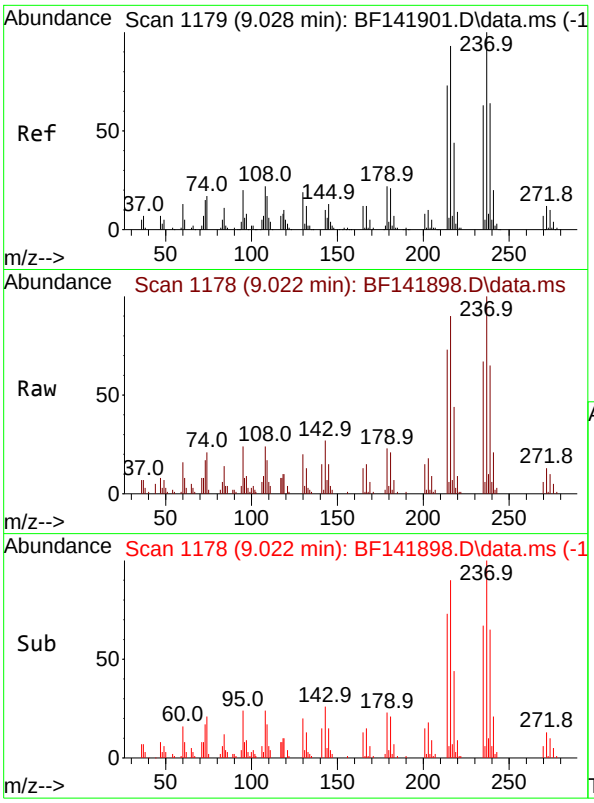


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.041 ng
RT: 9.033 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:216 Resp: 84034

Ion	Ratio	Lower	Upper
216	100		
214	78.6	61.9	92.9
179	22.8	18.1	27.1
108	18.7	14.7	22.1



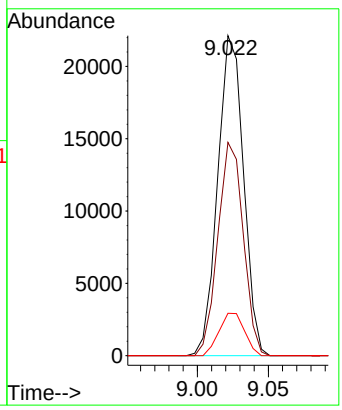


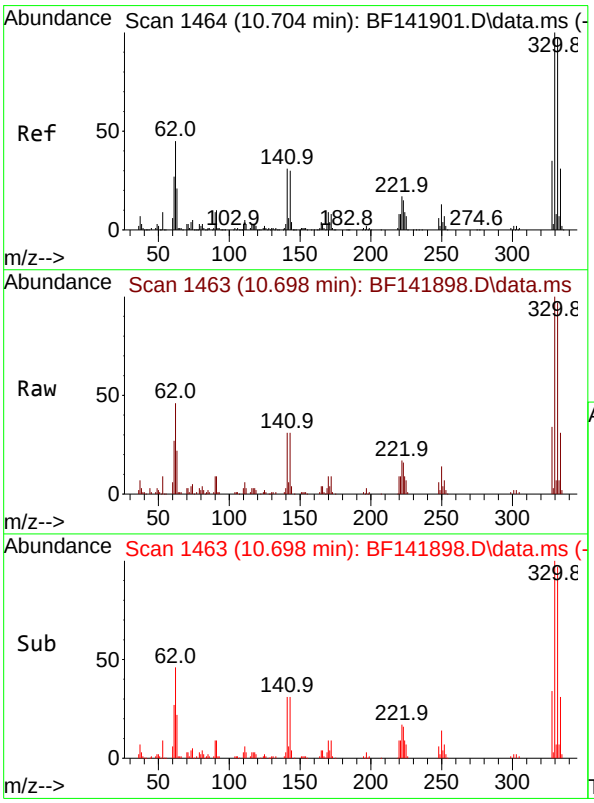
#41
Hexachlorocyclopentadiene
Concen: 4.246 ng
RT: 9.022 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:237 Resp: 27931

Ion	Ratio	Lower	Upper
237	100		
235	66.6	43.1	83.1
272	13.2	0.0	32.0

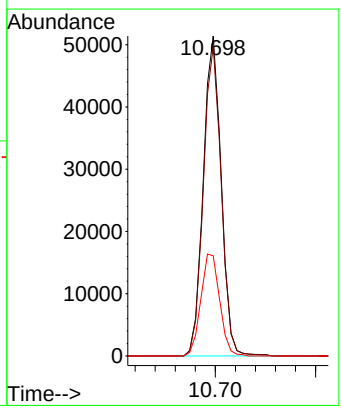


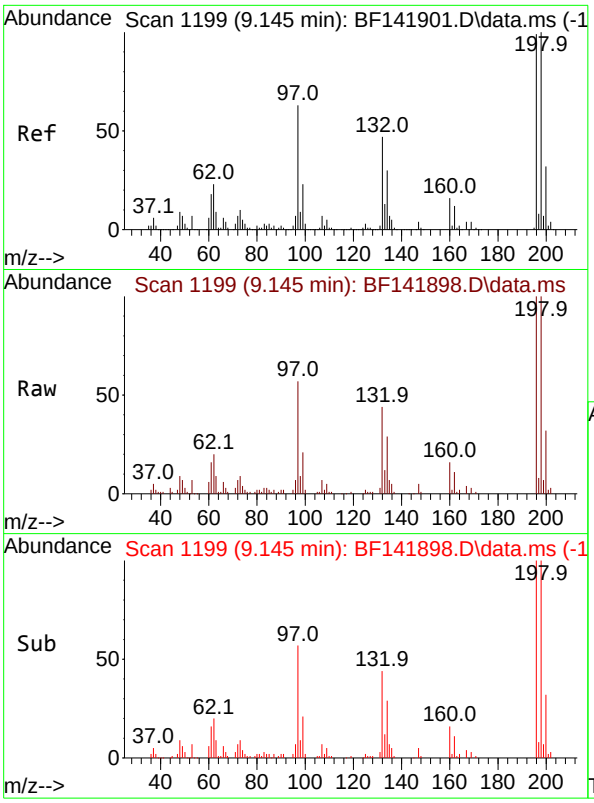


#42
2,4,6-Tribromophenol
Concen: 9.238 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:330 Resp: 63996

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.6	116.4
141	33.4	24.7	37.1



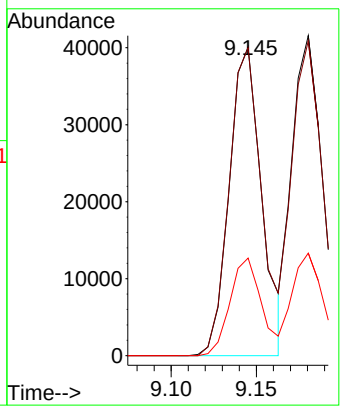


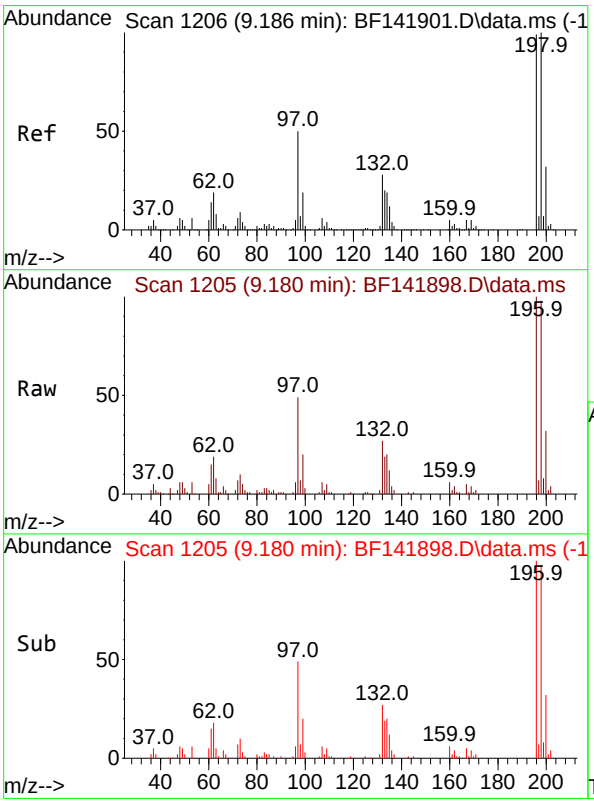
#43
2,4,6-Trichlorophenol
Concen: 4.877 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 52998

Ion	Ratio	Lower	Upper
196	100		
198	99.7	80.6	121.0
200	31.6	25.8	38.6

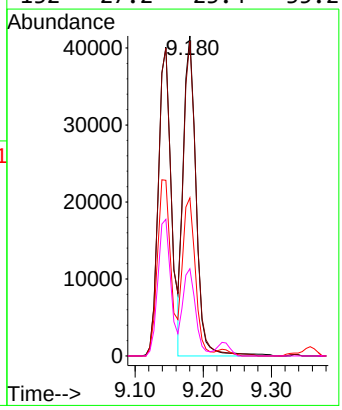


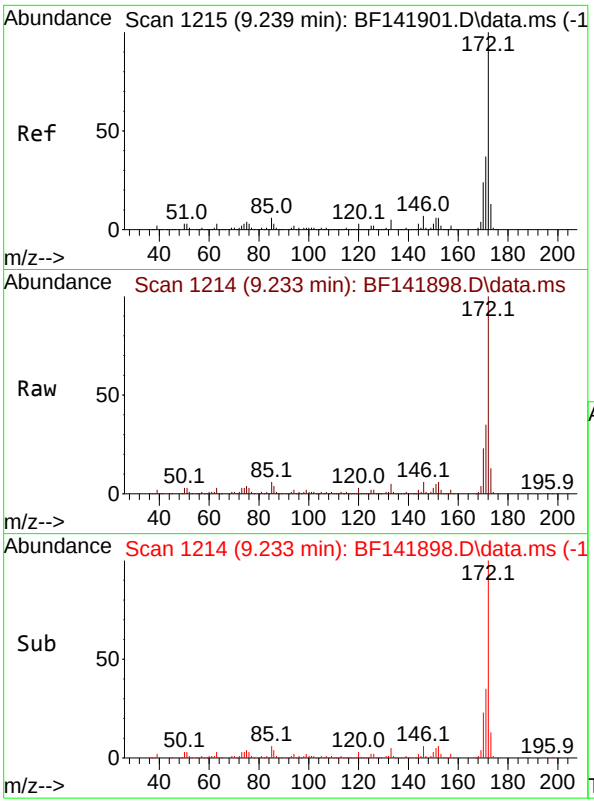


#44
2,4,5-Trichlorophenol
Concen: 4.901 ng
RT: 9.180 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:196 Resp: 54111

Ion	Ratio	Lower	Upper
196	100		
198	98.4	80.7	121.1
97	49.4	42.1	63.1
132	27.2	23.4	35.2



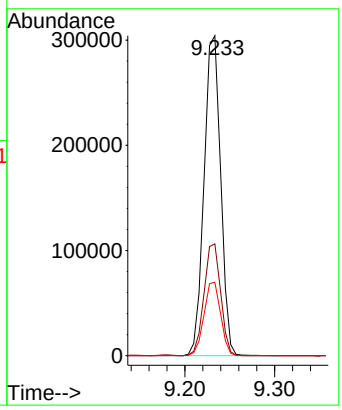


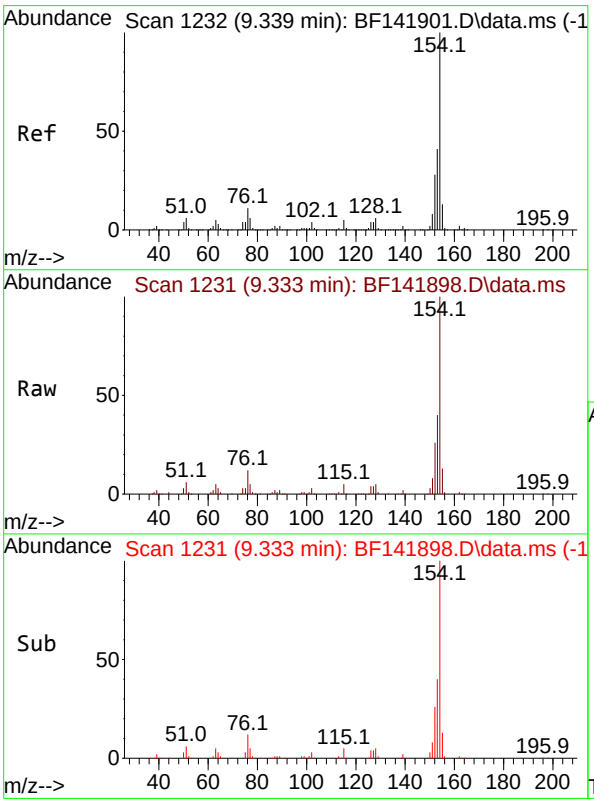
#45
2-Fluorobiphenyl
Concen: 10.888 ng
RT: 9.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:172 Resp: 390913

Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.3	43.9
170	23.0	19.4	29.0

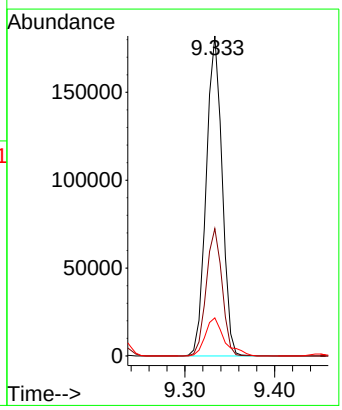


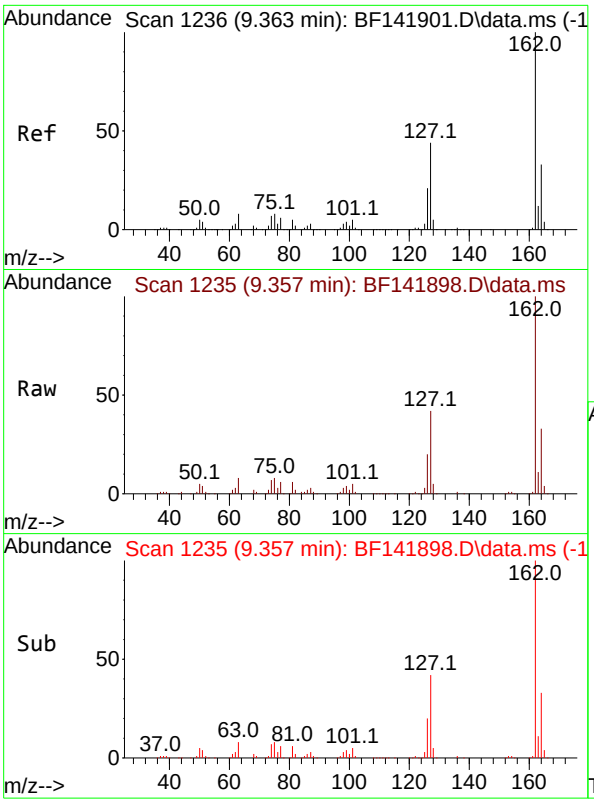


#46
1,1'-Biphenyl
Concen: 5.395 ng
RT: 9.333 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:154 Resp: 223637

Ion	Ratio	Lower	Upper
154	100		
153	39.8	21.1	61.1
76	11.9	0.0	31.3



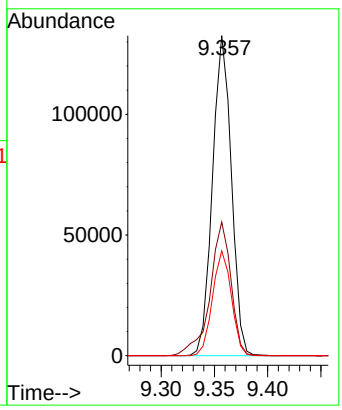


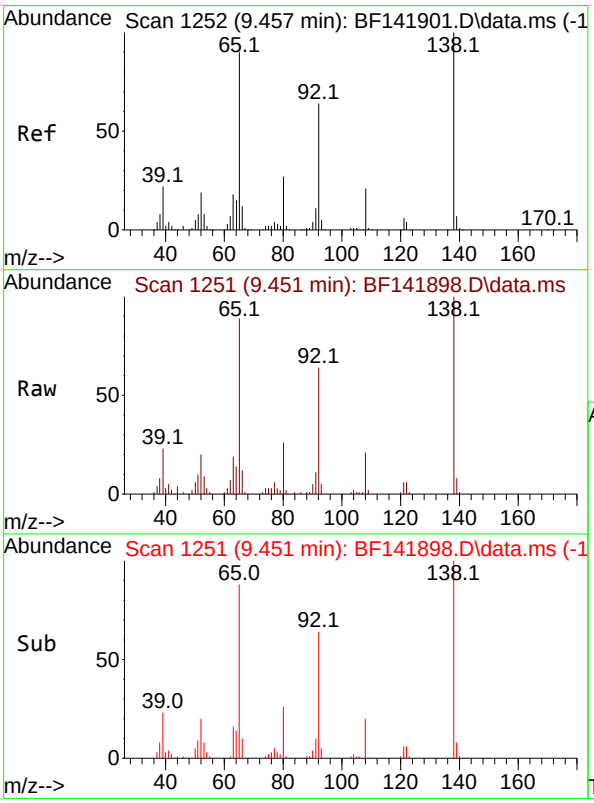
#47
2-Chloronaphthalene
Concen: 5.298 ng
RT: 9.357 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 163642

Ion	Ratio	Lower	Upper
162	100		
127	41.7	35.5	53.3
164	32.8	26.6	40.0

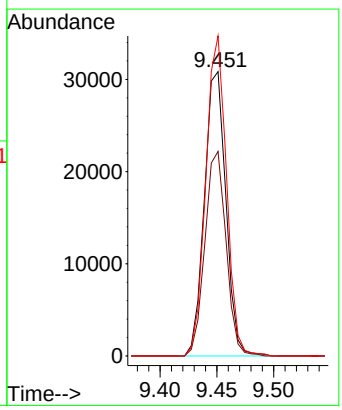


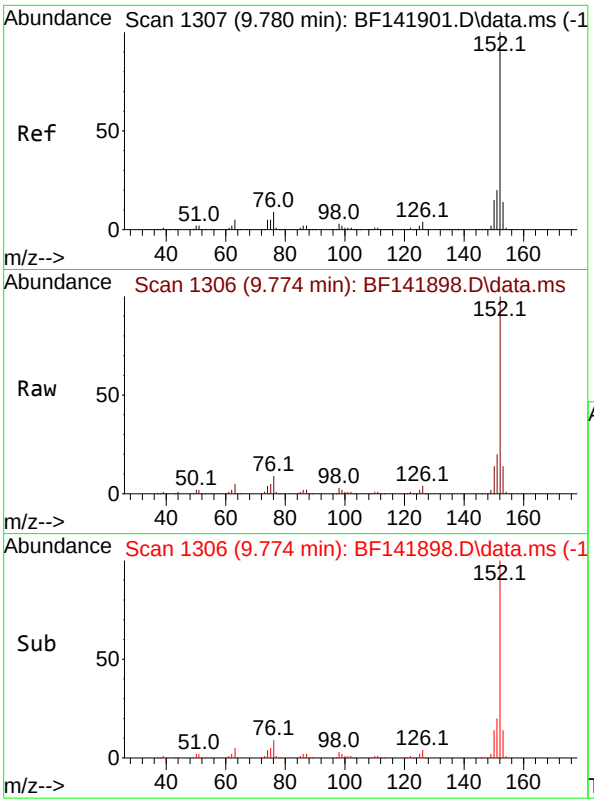


#48
2-Nitroaniline
Concen: 4.561 ng
RT: 9.451 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 65 Resp: 40475

Ion	Ratio	Lower	Upper
65	100		
92	71.9	56.6	84.8
138	112.5	88.6	133.0



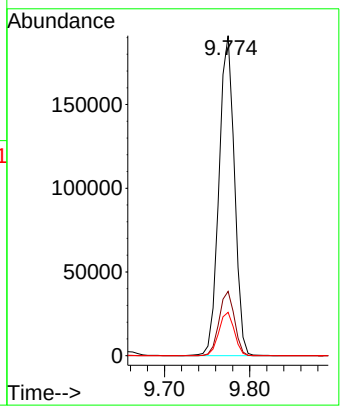


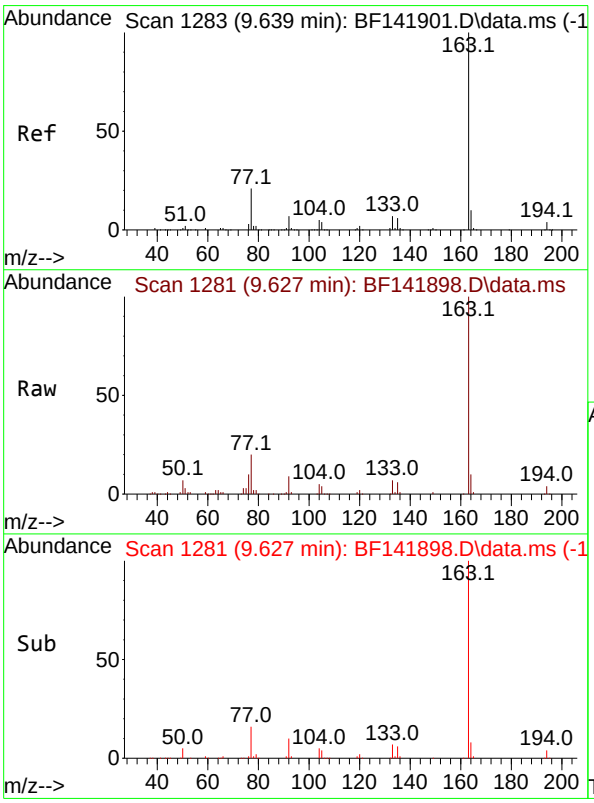
#49
Acenaphthylene
Concen: 5.268 ng
RT: 9.774 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 241253

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.3	24.5
153	13.6	11.1	16.7

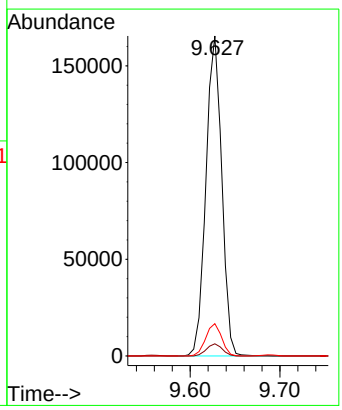


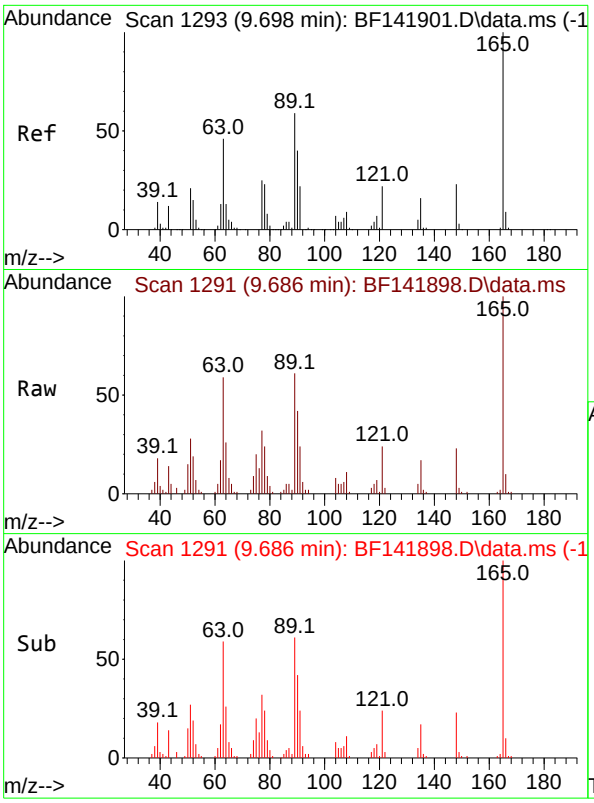


#50
Dimethylphthalate
Concen: 5.328 ng
RT: 9.627 min Scan# 1281
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:163 Resp: 202373

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.1	8.2	12.4



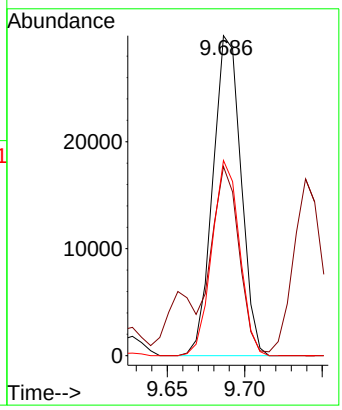


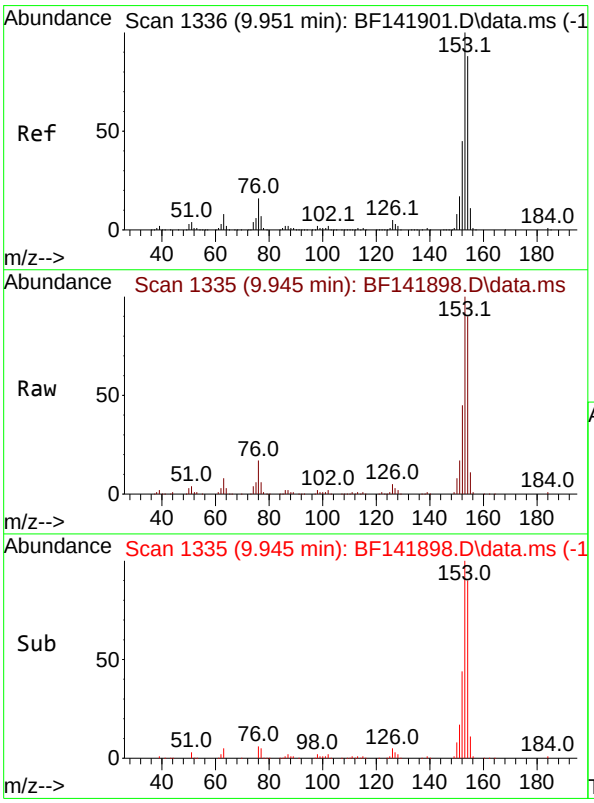
#51
2,6-Dinitrotoluene
Concen: 4.785 ng
RT: 9.686 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 37796

Ion	Ratio	Lower	Upper
165	100		
63	59.1	47.0	70.4
89	61.0	47.4	71.2

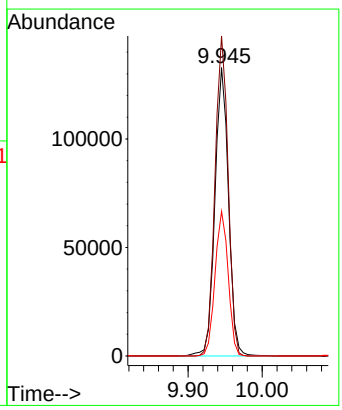


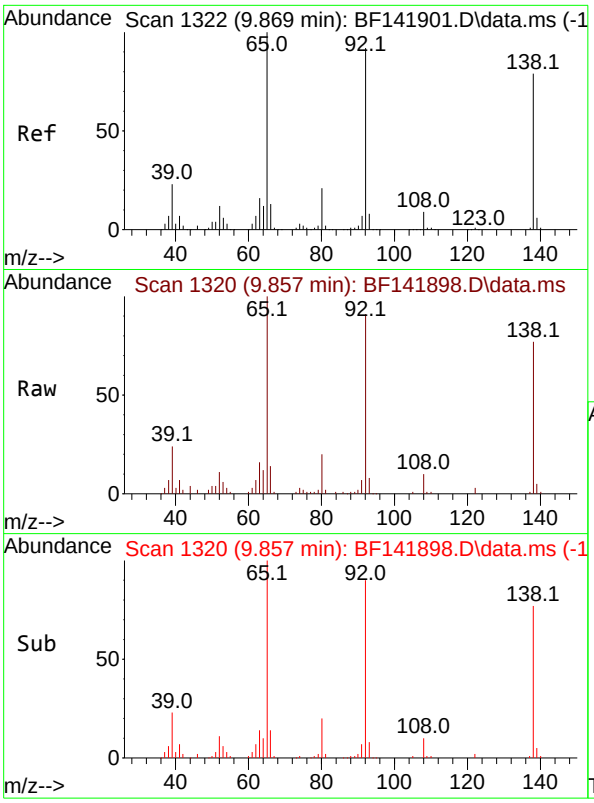


#52
Acenaphthene
Concen: 5.225 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:154 Resp: 168975

Ion	Ratio	Lower	Upper
154	100		
153	111.0	90.7	136.1
152	50.2	41.1	61.7



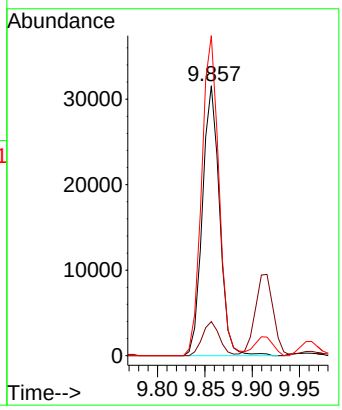


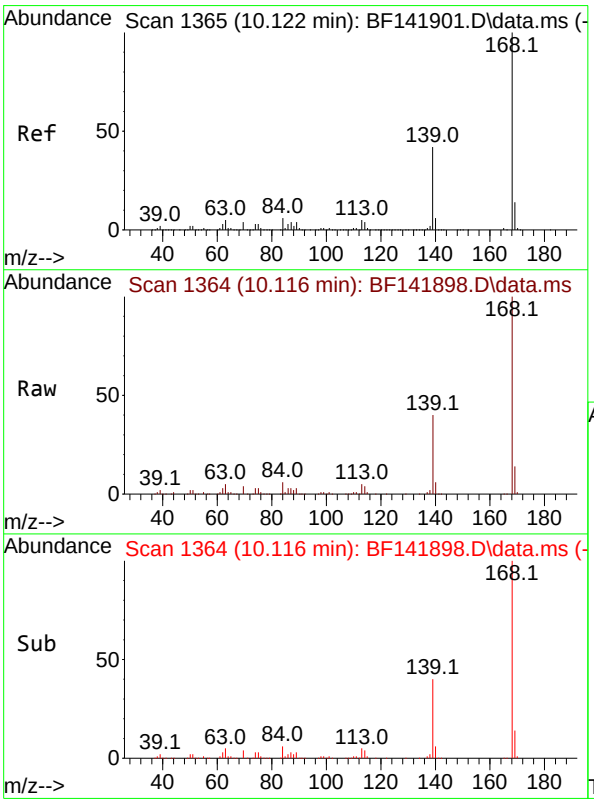
#53
3-Nitroaniline
Concen: 4.902 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 39761

Ion	Ratio	Lower	Upper
138	100		
108	12.6	9.3	13.9
92	118.6	93.5	140.3

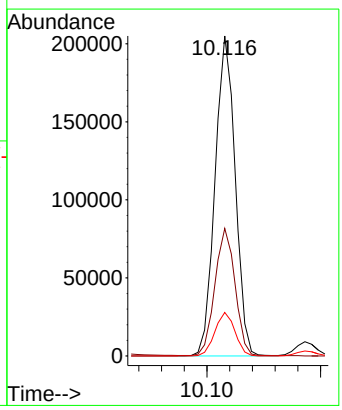


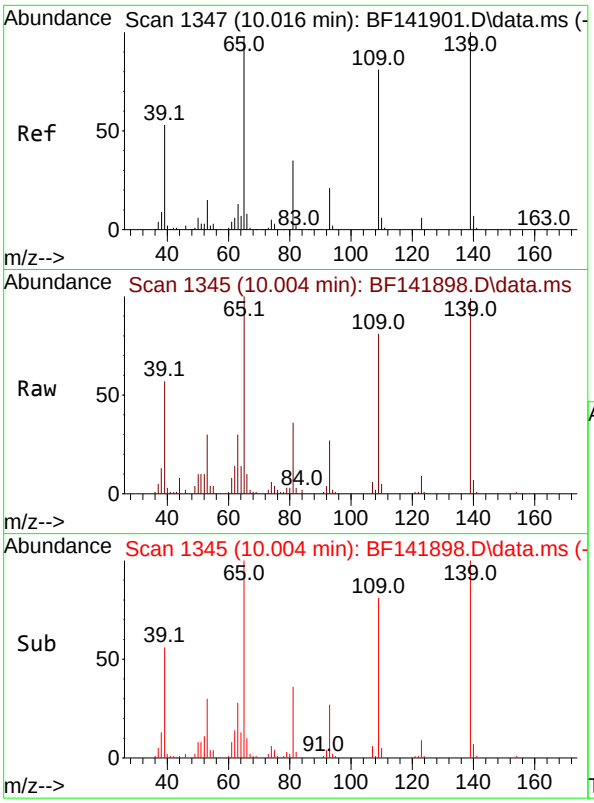


#55
Dibenzofuran
Concen: 5.481 ng
RT: 10.116 min Scan# 1364
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:168 Resp: 252715

Ion	Ratio	Lower	Upper
168	100		
139	39.8	33.9	50.9
169	13.6	11.0	16.4



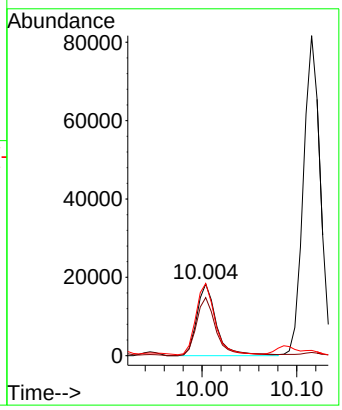


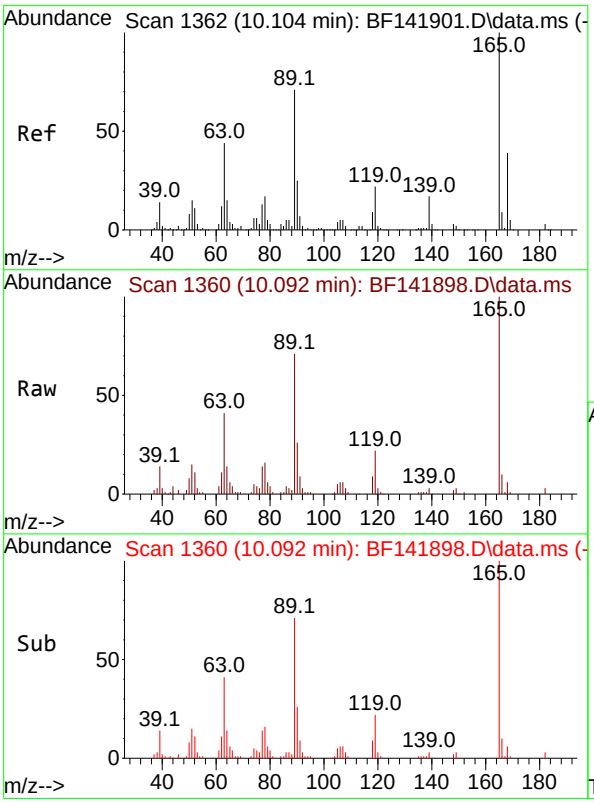
#56
4-Nitrophenol
Concen: 4.309 ng
RT: 10.004 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:139 Resp: 26252

Ion	Ratio	Lower	Upper
139	100		
109	81.1	61.6	101.6
65	100.7	79.4	119.4

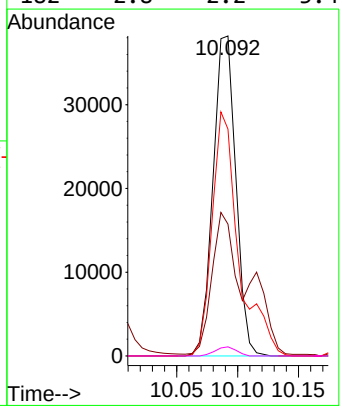


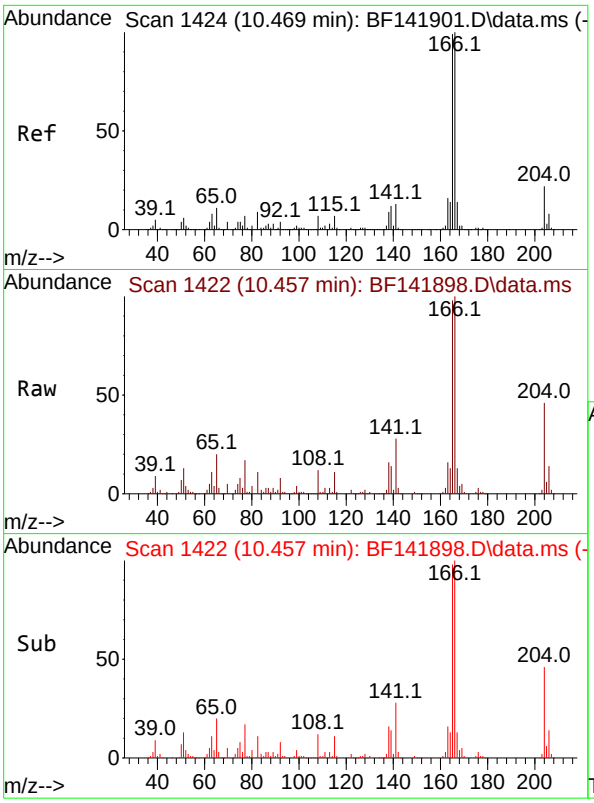


#57
2,4-Dinitrotoluene
Concen: 4.800 ng
RT: 10.092 min Scan# 1360
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:165 Resp: 49913

Ion	Ratio	Lower	Upper
165	100		
63	41.2	35.4	53.2
89	70.9	56.6	84.8
182	2.8	2.2	3.4



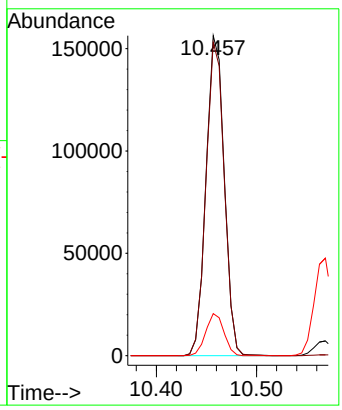


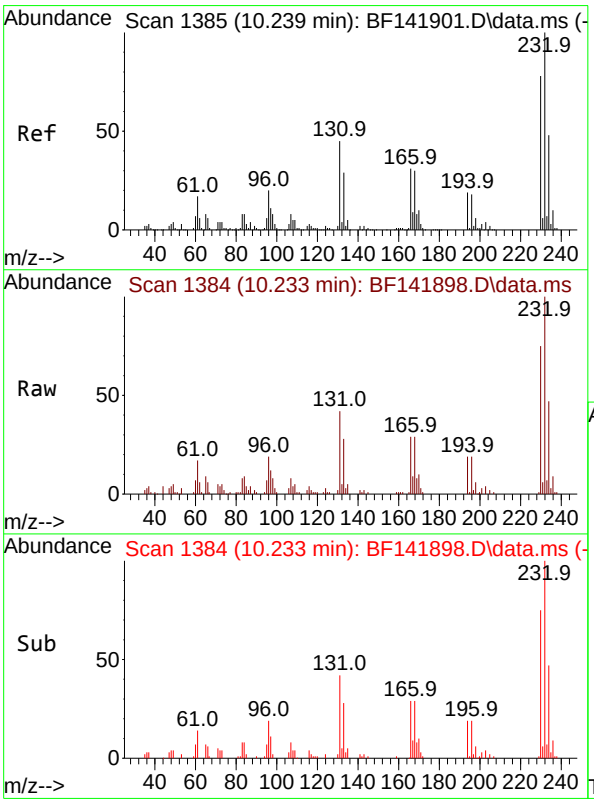
#58
Fluorene
Concen: 5.542 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:166 Resp: 197266

Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.0	118.4
167	13.2	11.0	16.4

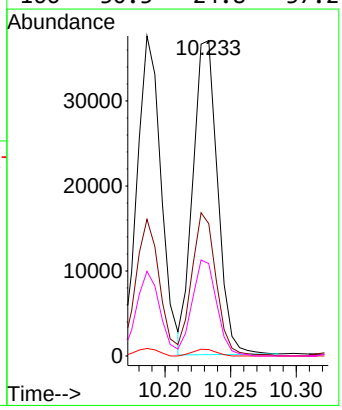


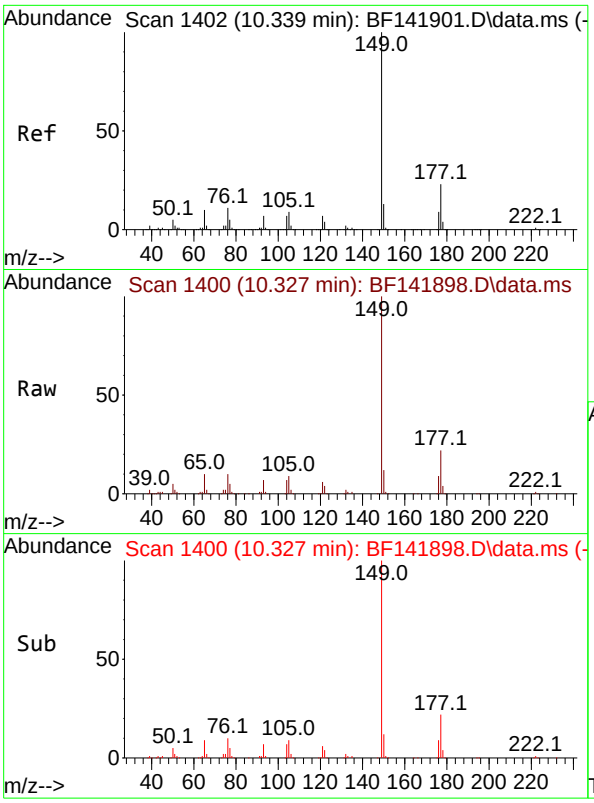


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.839 ng
RT: 10.233 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:232 Resp: 48472

Ion	Ratio	Lower	Upper
232	100		
131	44.9	37.3	55.9
130	2.1	1.9	2.9
166	30.3	24.8	37.2



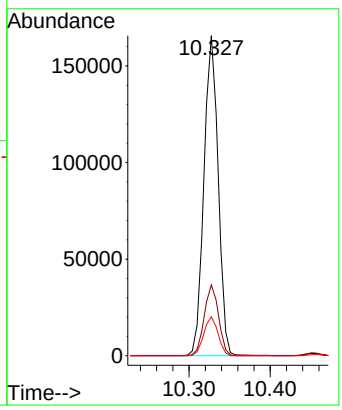


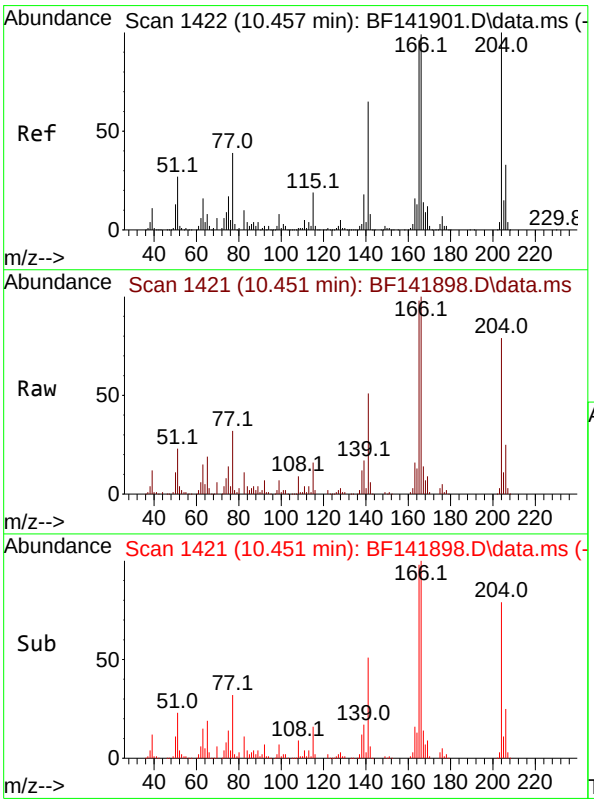
#60
Diethylphthalate
Concen: 5.286 ng
RT: 10.327 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 201554

Ion	Ratio	Lower	Upper
149	100		
177	22.1	18.0	27.0
150	12.1	10.2	15.4

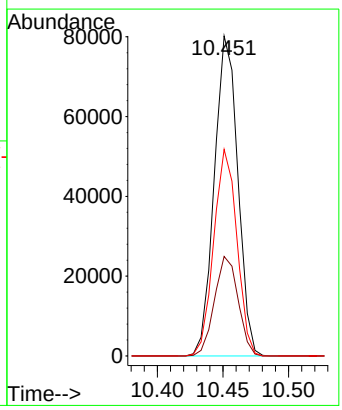


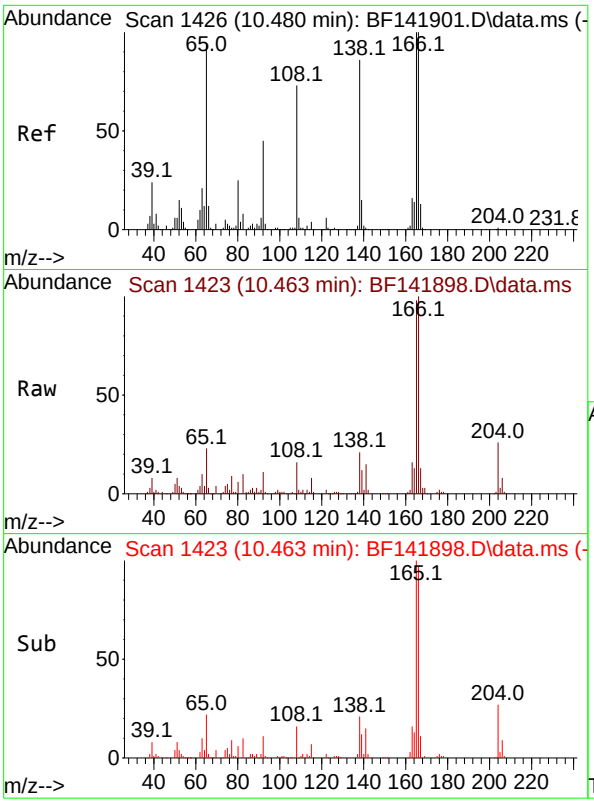


#61
4-Chlorophenyl-phenylether
Concen: 5.380 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:204 Resp: 99747

Ion	Ratio	Lower	Upper
204	100		
206	31.1	26.8	40.2
141	64.5	52.4	78.6



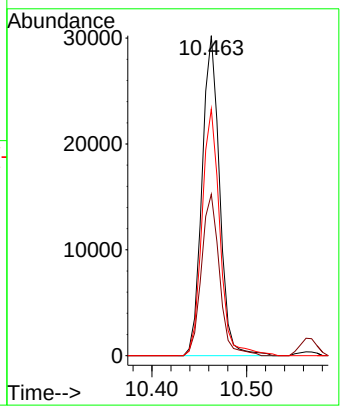


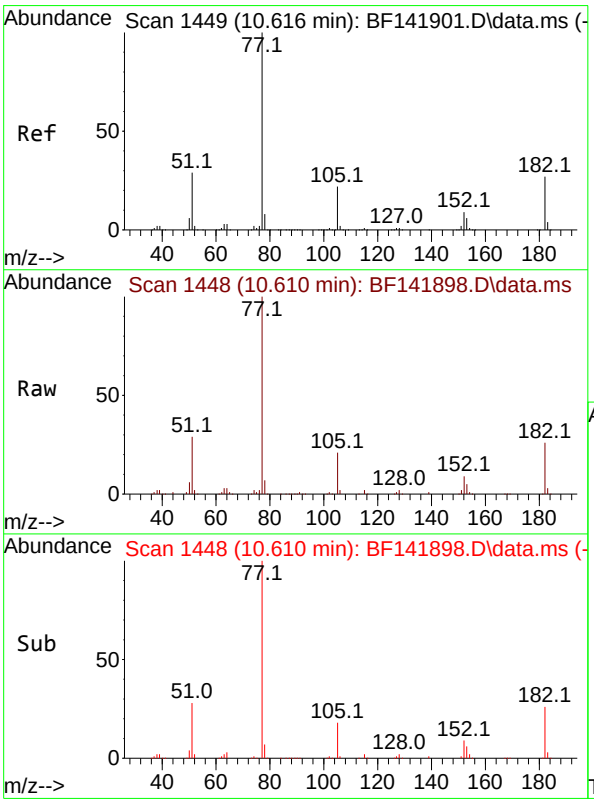
#62
4-Nitroaniline
Concen: 4.945 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 38863

Ion	Ratio	Lower	Upper
138	100		
92	50.5	32.6	72.6
108	77.1	65.0	105.0

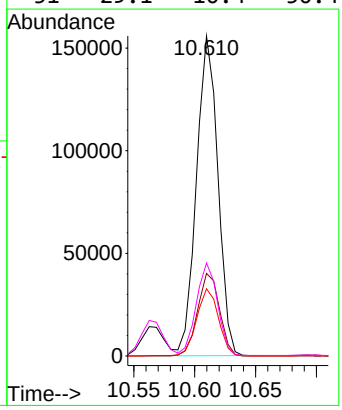


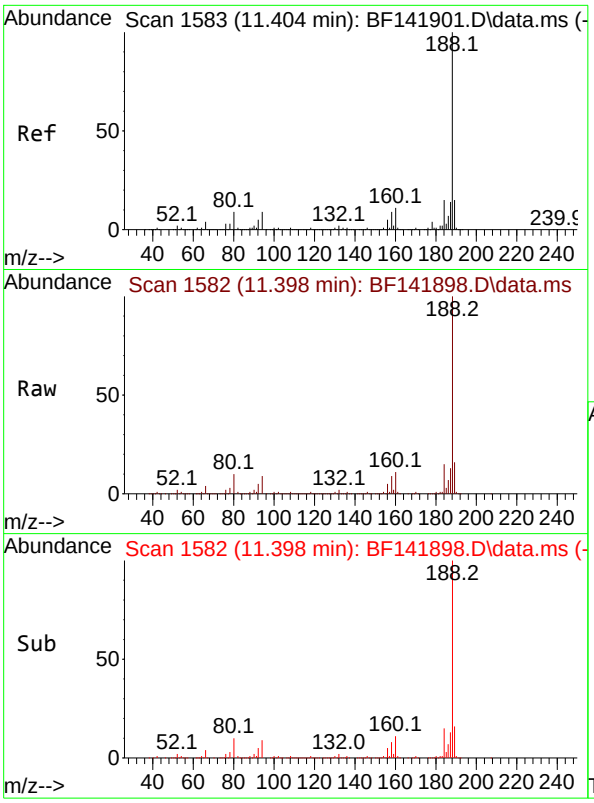


#63
Azobenzene
Concen: 5.370 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 77 Resp: 190233

Ion	Ratio	Lower	Upper
77	100		
182	25.8	6.6	46.6
105	21.0	1.3	41.3
51	29.1	10.4	50.4



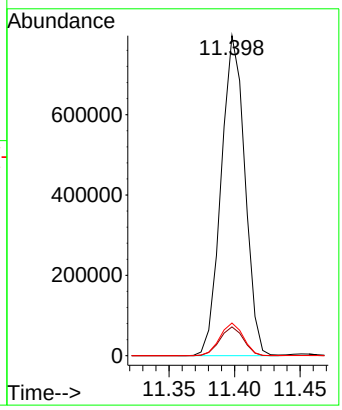


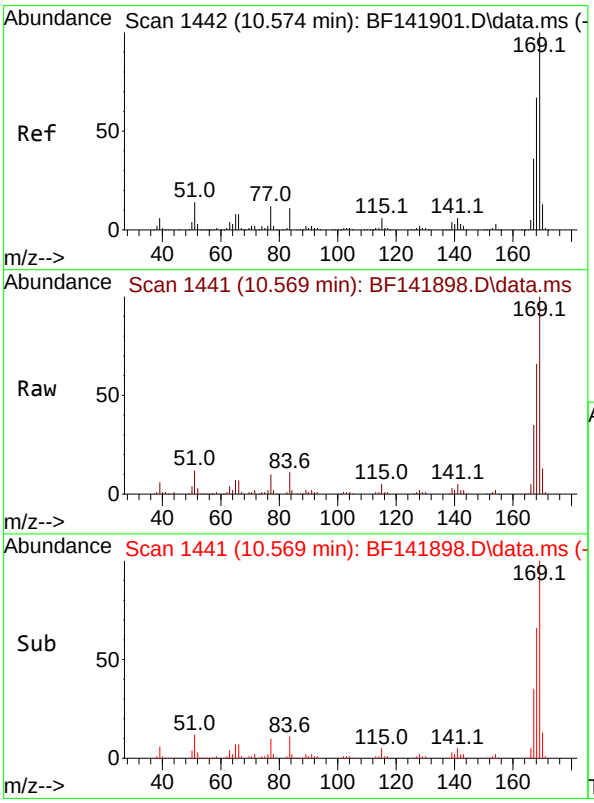
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:188 Resp: 1002901

Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.8	10.2
80	10.2	7.6	11.4

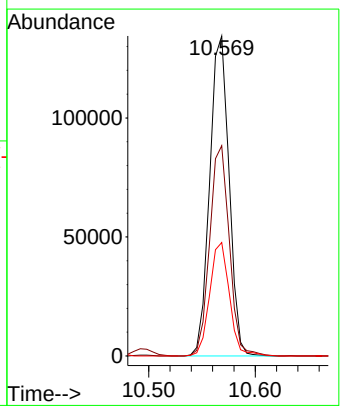


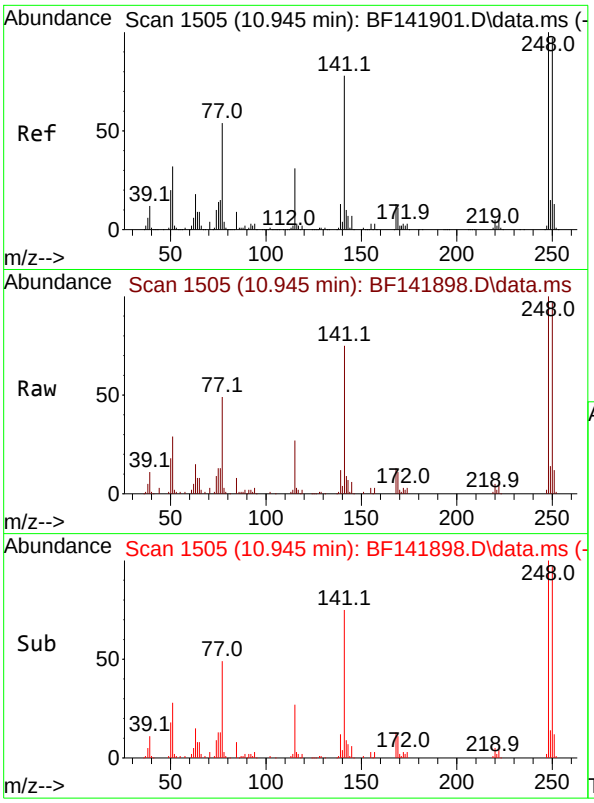


#66
n-Nitrosodiphenylamine
Concen: 5.223 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:169 Resp: 169225

Ion	Ratio	Lower	Upper
169	100		
168	65.7	53.7	80.5
167	35.5	29.2	43.8



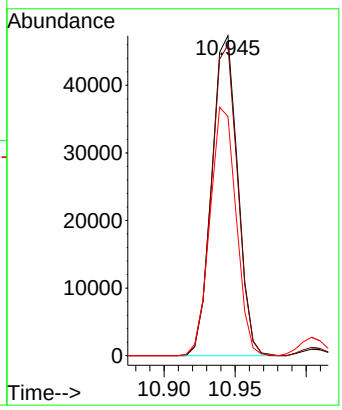


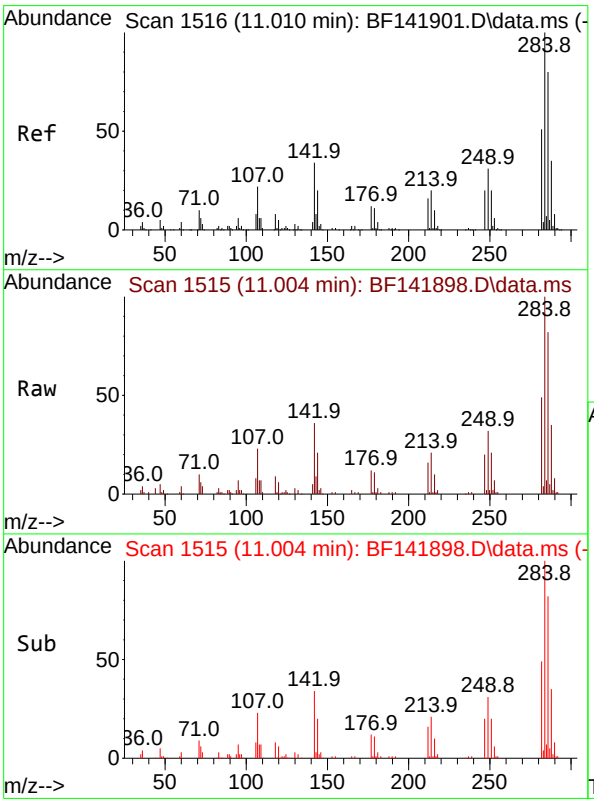
#67
4-Bromophenyl-phenylether
Concen: 4.823 ng
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:248 Resp: 60238

Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.8	116.8
141	74.7	62.6	93.8

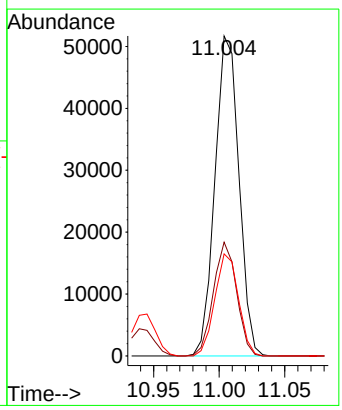


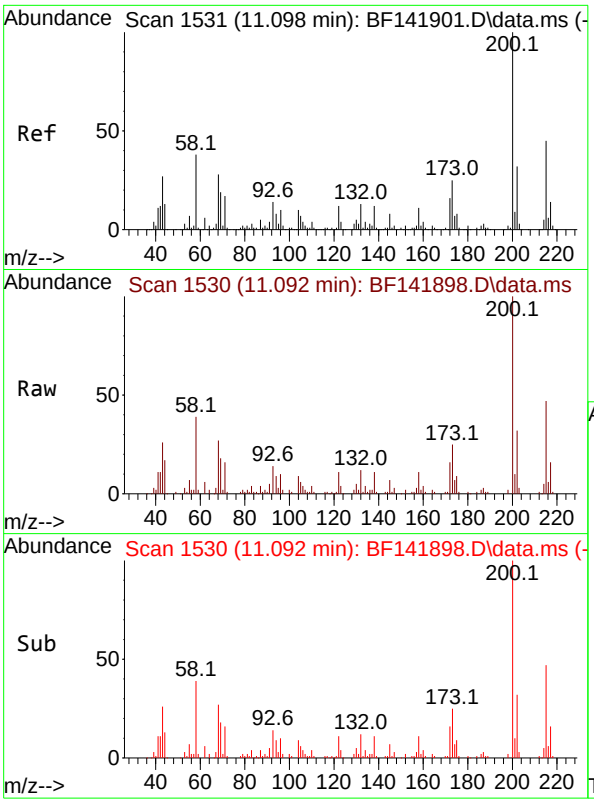


#68
Hexachlorobenzene
Concen: 4.753 ng
RT: 11.004 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:284 Resp: 65620

Ion	Ratio	Lower	Upper
284	100		
142	35.6	27.0	40.6
249	31.9	25.2	37.8



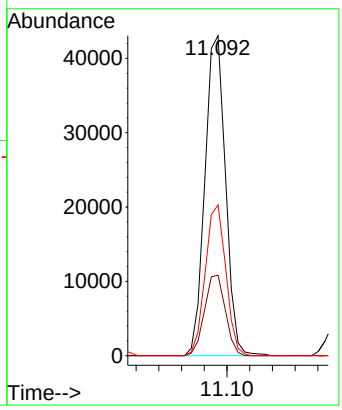


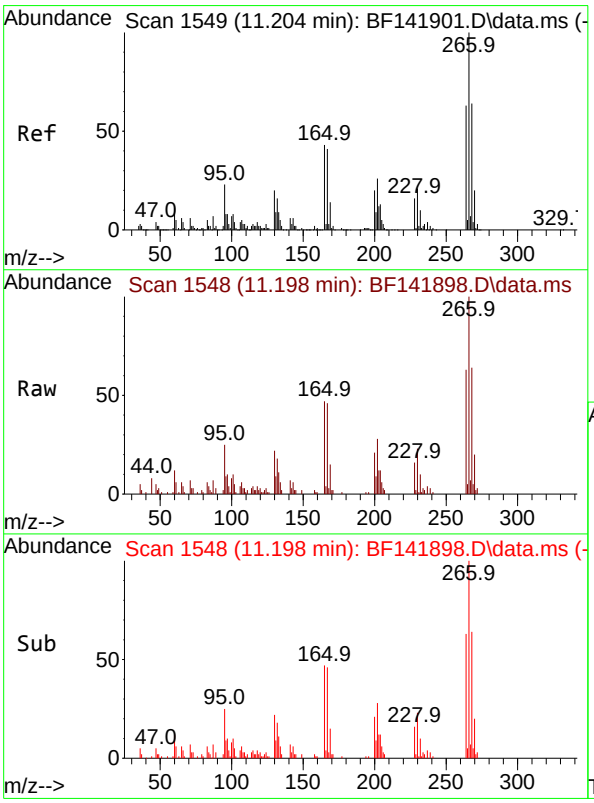
#69
Atrazine
Concen: 6.867 ng
RT: 11.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:200 Resp: 54251

Ion	Ratio	Lower	Upper
200	100		
173	25.1	4.7	44.7
215	47.1	25.4	65.4

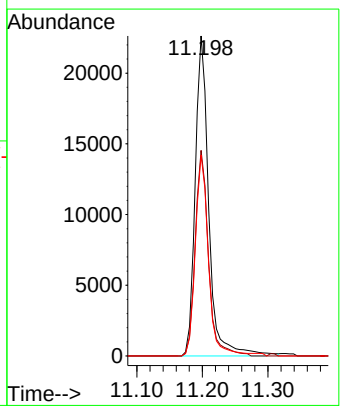


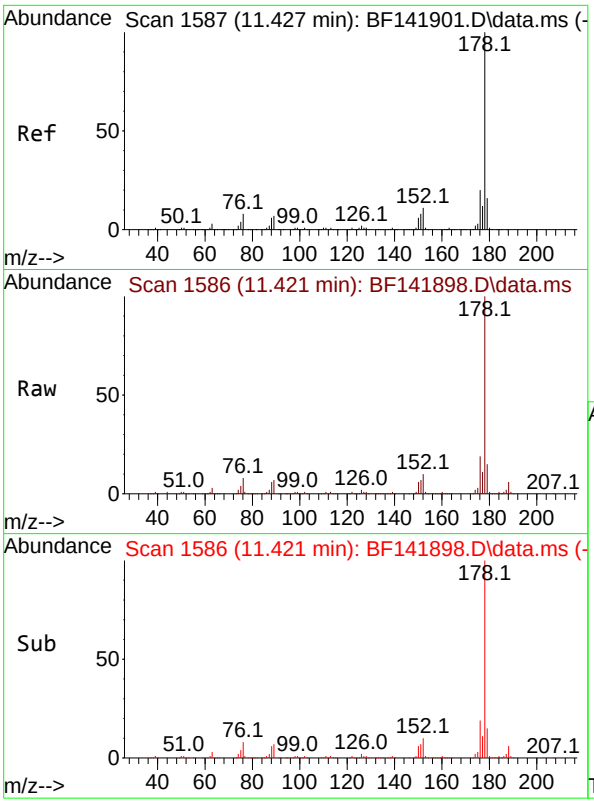


#70
Pentachlorophenol
Concen: 3.843 ng
RT: 11.198 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:266 Resp: 32716

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.0	76.6
264	62.8	50.2	75.2



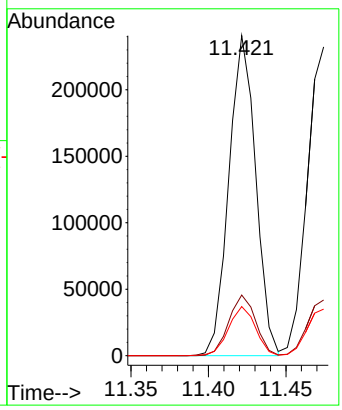


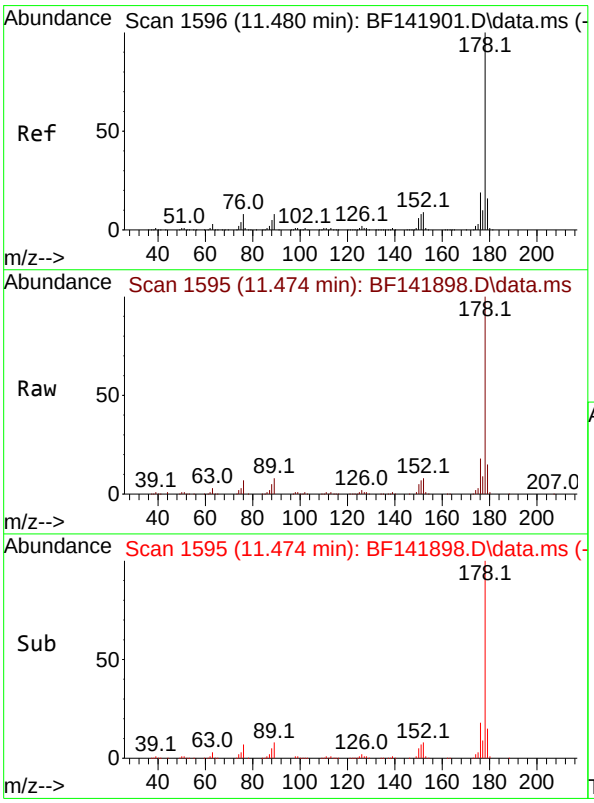
#71
Phenanthrene
Concen: 5.340 ng
RT: 11.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 289580

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.3	12.6	19.0

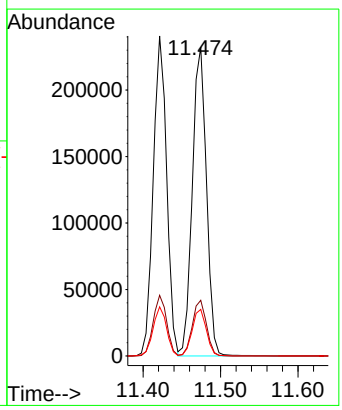


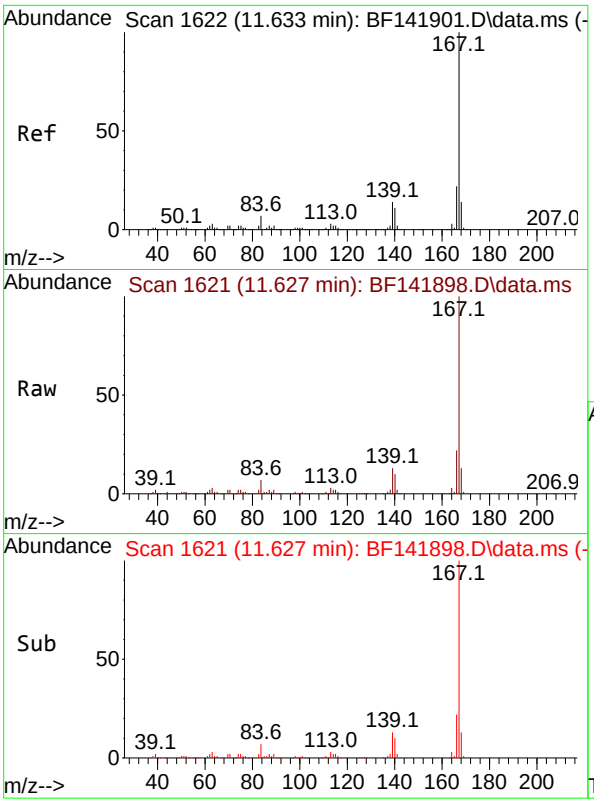


#72
Anthracene
Concen: 5.407 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:178 Resp: 294198

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.1	22.7
179	15.1	12.6	19.0



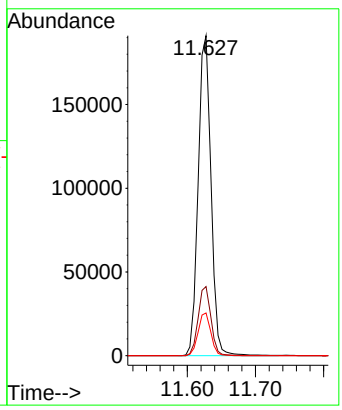


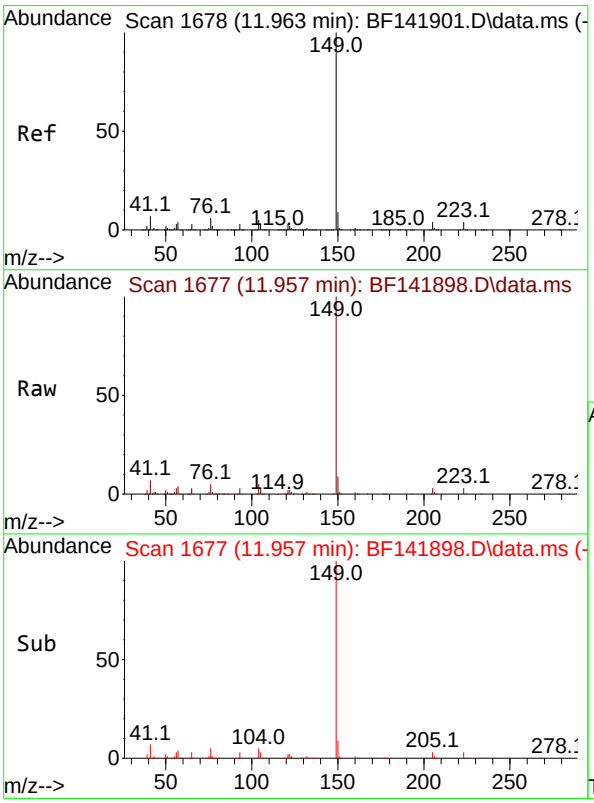
#73
Carbazole
Concen: 5.329 ng
RT: 11.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:167 Resp: 249634

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.4	26.2
139	13.3	11.0	16.6

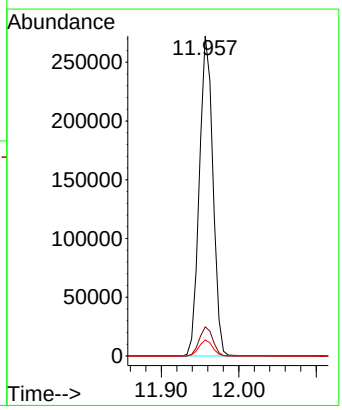


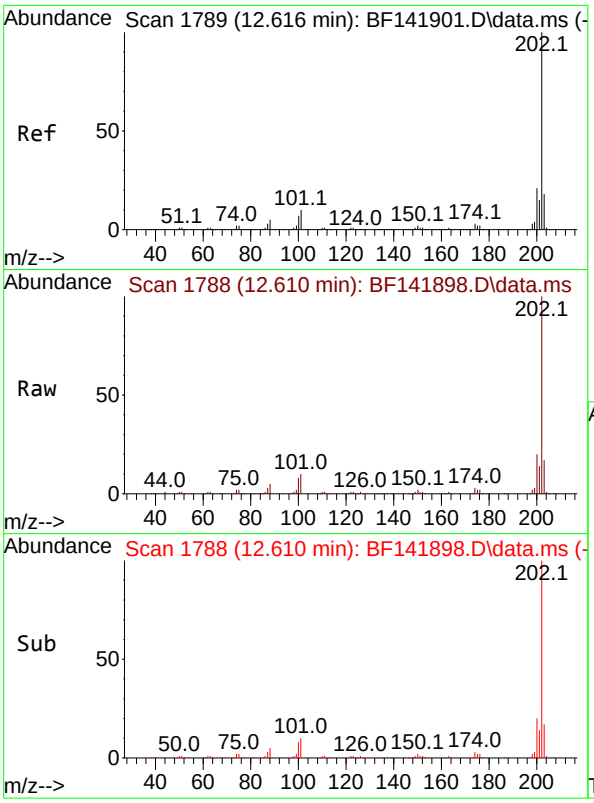


#74
Di-n-butylphthalate
Concen: 5.352 ng
RT: 11.957 min Scan# 1677
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:149 Resp: 330999

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.6	11.4
104	5.0	4.4	6.6



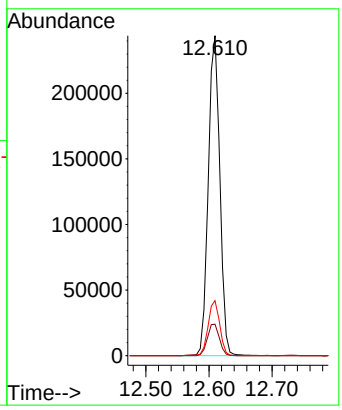


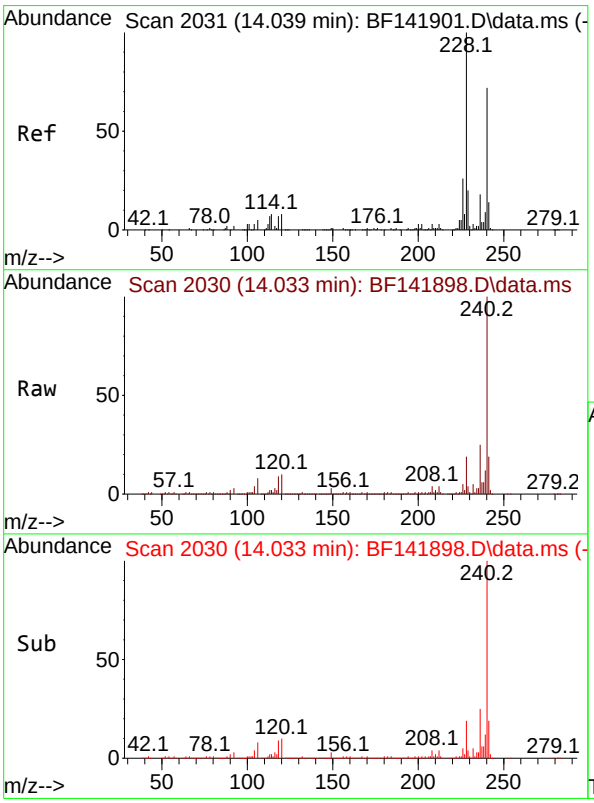
#75
Fluoranthene
Concen: 5.432 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 309273

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	29.7
203	17.2	0.0	37.8

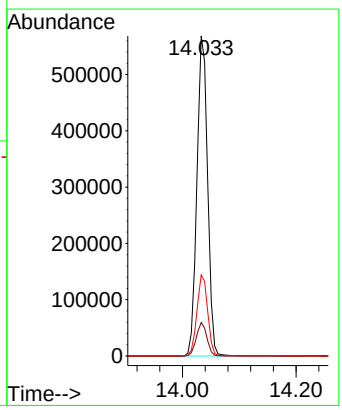


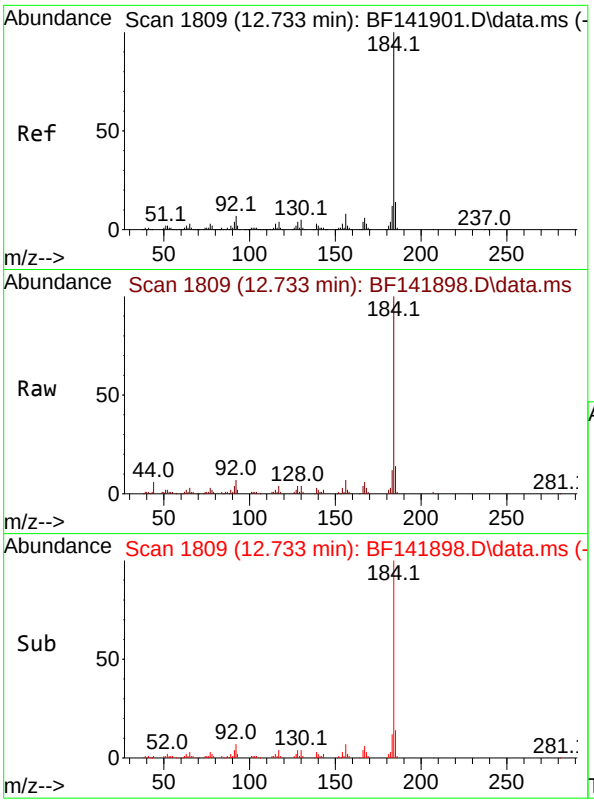


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:240 Resp: 745624

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.4	12.6
236	25.3	20.5	30.7



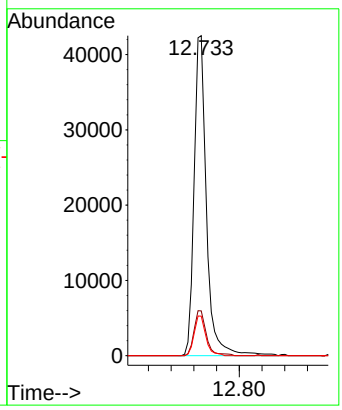


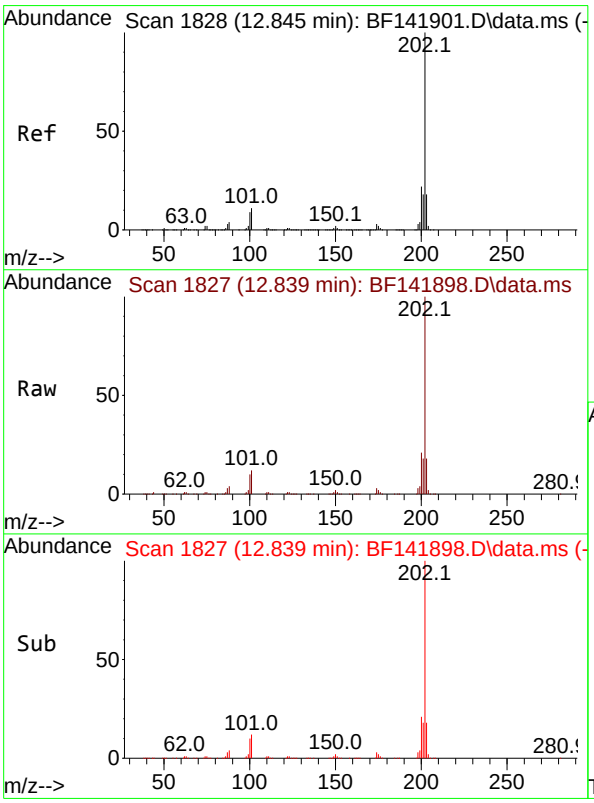
#77
Benzidine
Concen: 6.138 ng
RT: 12.733 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:184 Resp: 64673

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.5	17.3
183	12.3	9.7	14.5

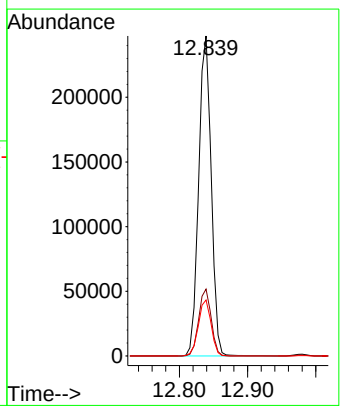


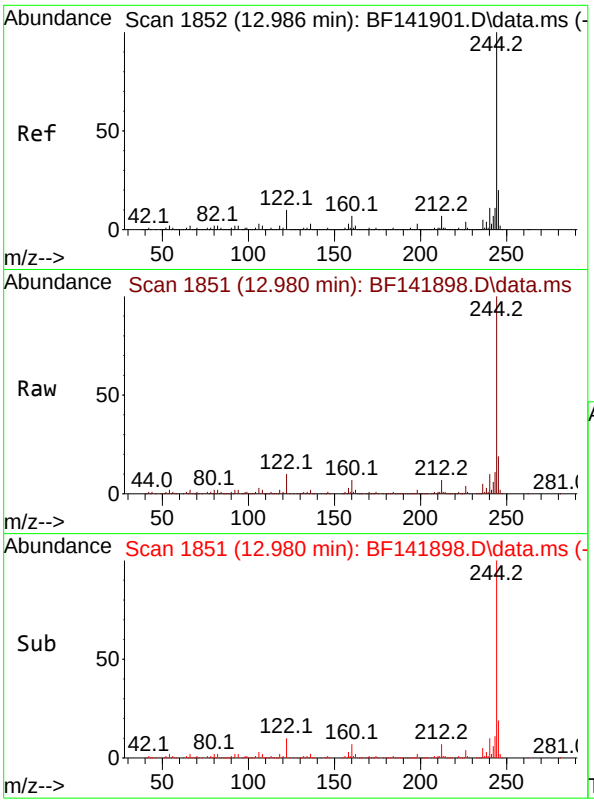


#78
Pyrene
Concen: 4.941 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:202 Resp: 315969

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.3	25.9
203	17.5	14.4	21.6



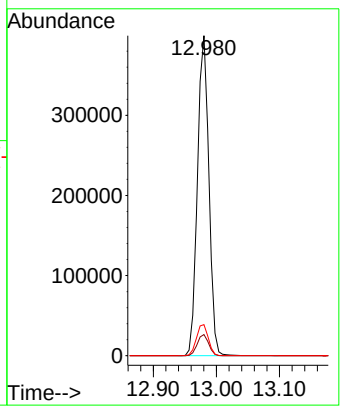


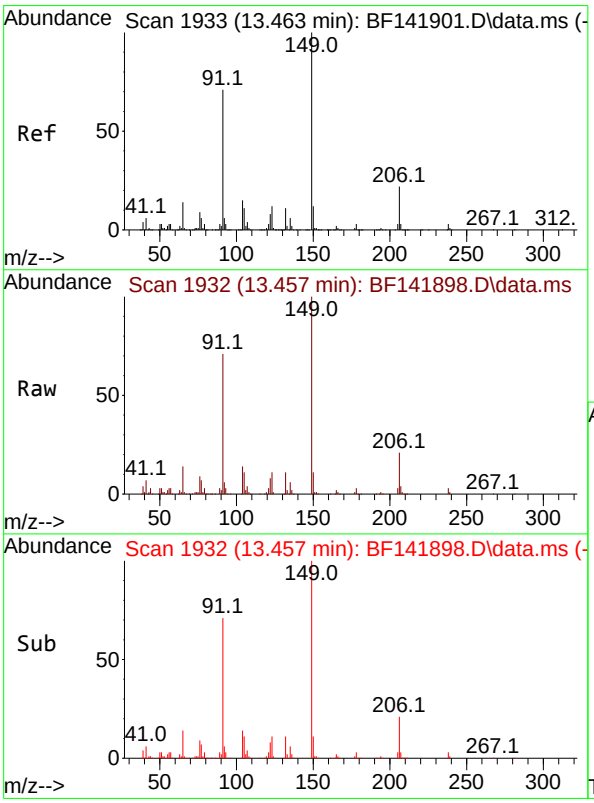
#79
Terphenyl-d14
Concen: 9.924 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:244 Resp: 500607

Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	9.7	7.7	11.5

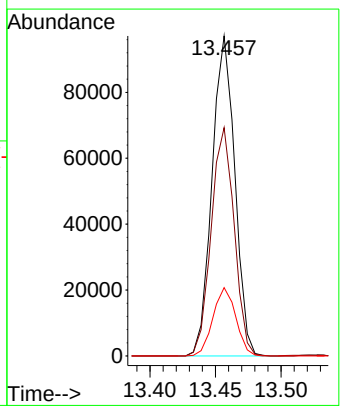


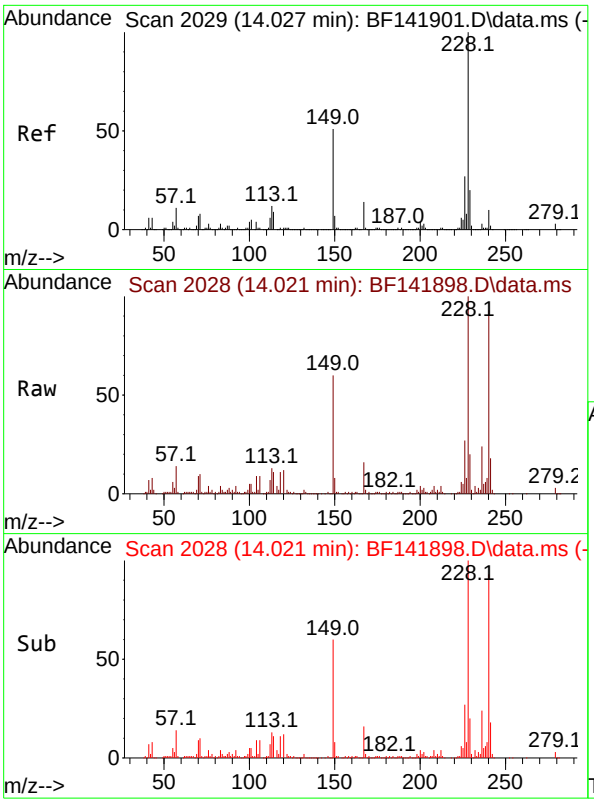


#80
Butylbenzylphthalate
Concen: 4.653 ng
RT: 13.457 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:149 Resp: 117256

Ion	Ratio	Lower	Upper
149	100		
91	71.4	56.5	84.7
206	21.4	17.3	25.9



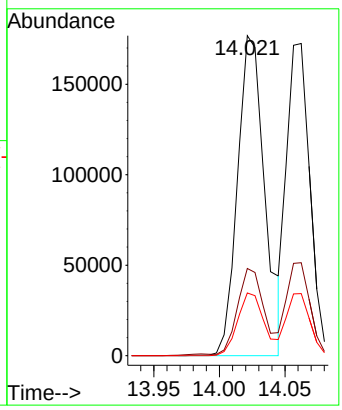


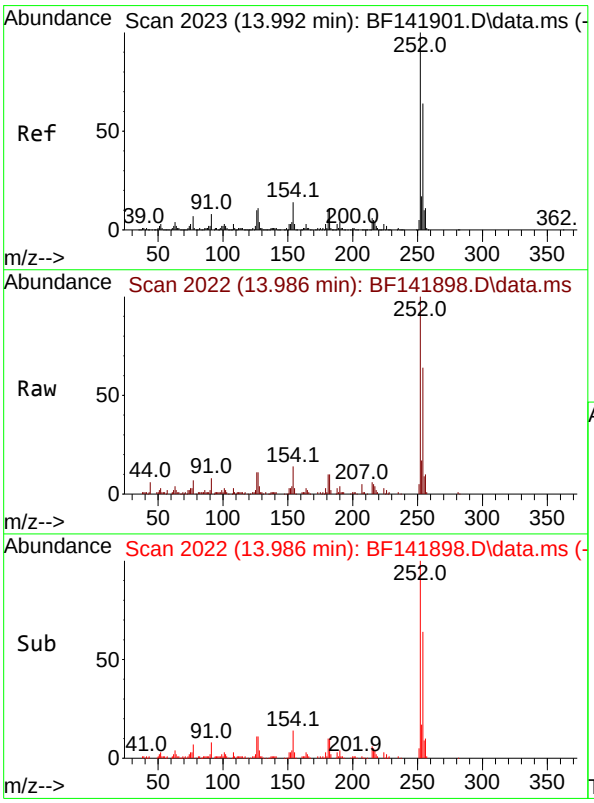
#81
Benzo(a)anthracene
Concen: 5.205 ng
RT: 14.021 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 255308

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.6	16.0	24.0

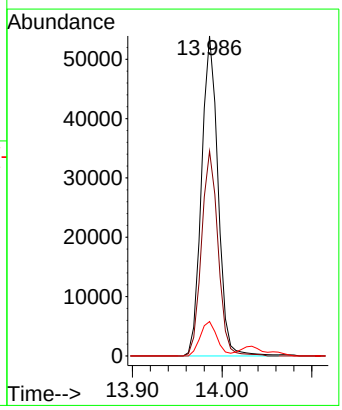


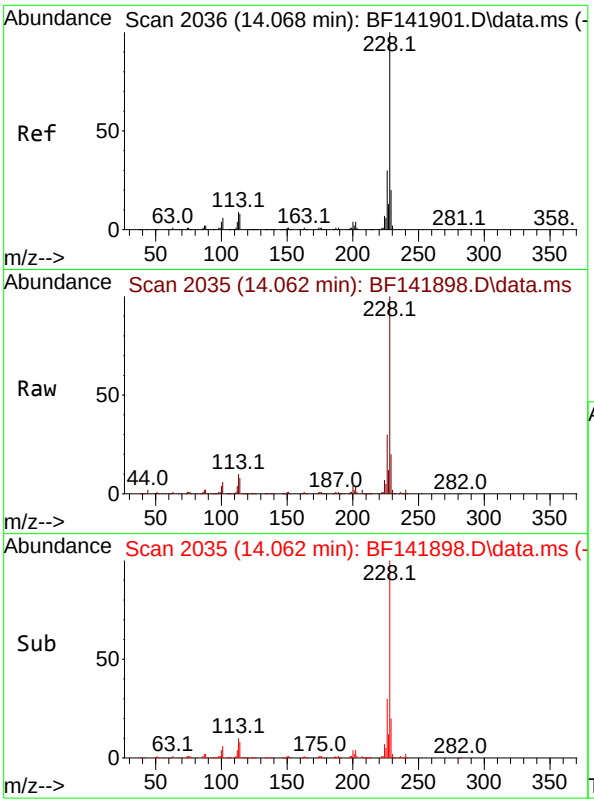


#82
3,3'-Dichlorobenzidine
Concen: 4.865 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:252 Resp: 68969

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.0	76.6
126	10.7	8.4	12.6



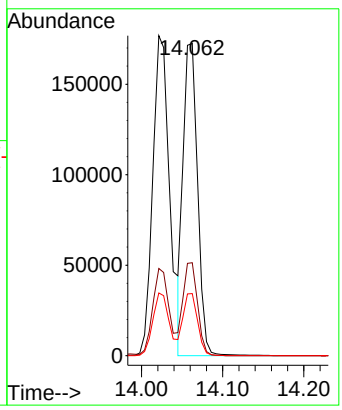


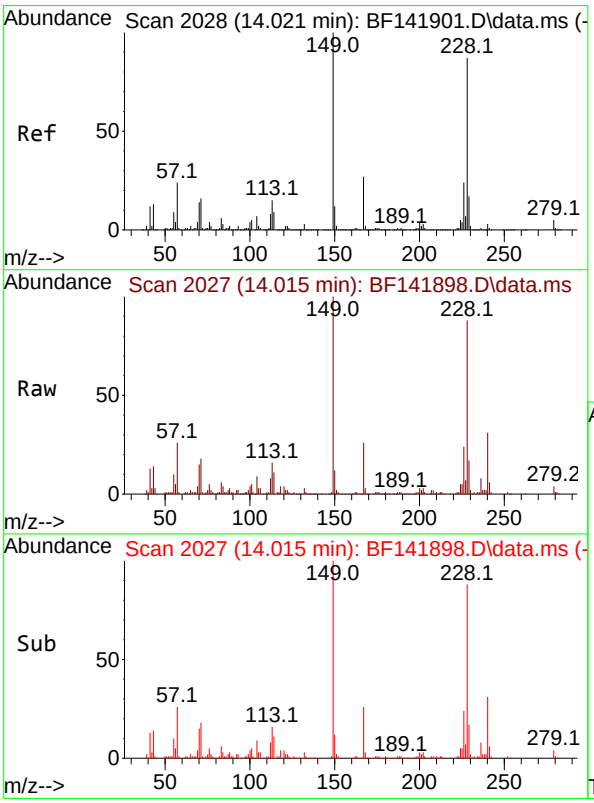
#83
Chrysene
Concen: 4.837 ng
RT: 14.062 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 213144

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.1	36.1
229	19.9	15.7	23.5

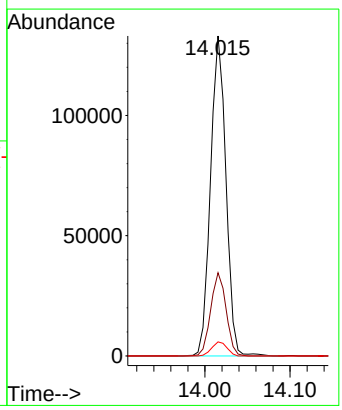


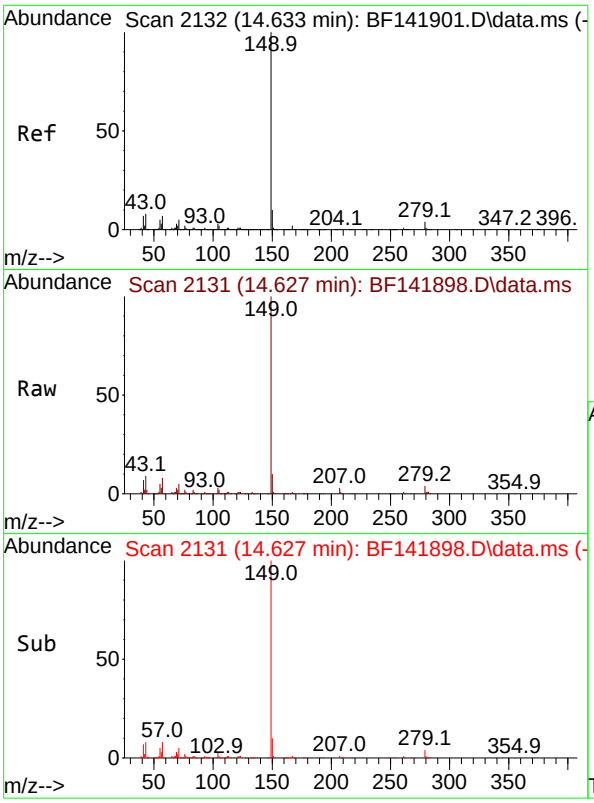


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.836 ng
RT: 14.015 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:149 Resp: 167165

Ion	Ratio	Lower	Upper
149	100		
167	26.0	21.4	32.0
279	4.4	3.8	5.6



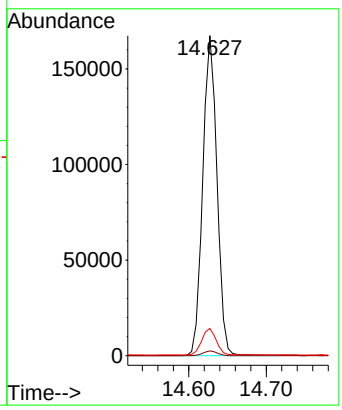


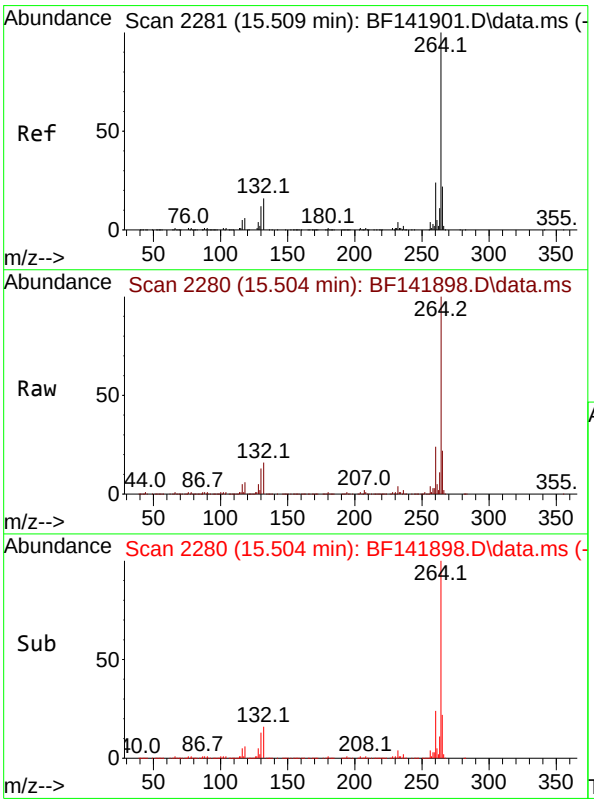
#85
Di-n-octyl phthalate
Concen: 4.435 ng
RT: 14.627 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 213395

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.4	6.9	10.3

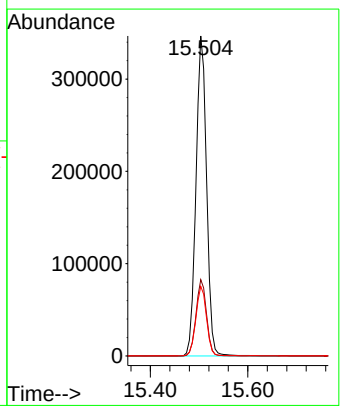


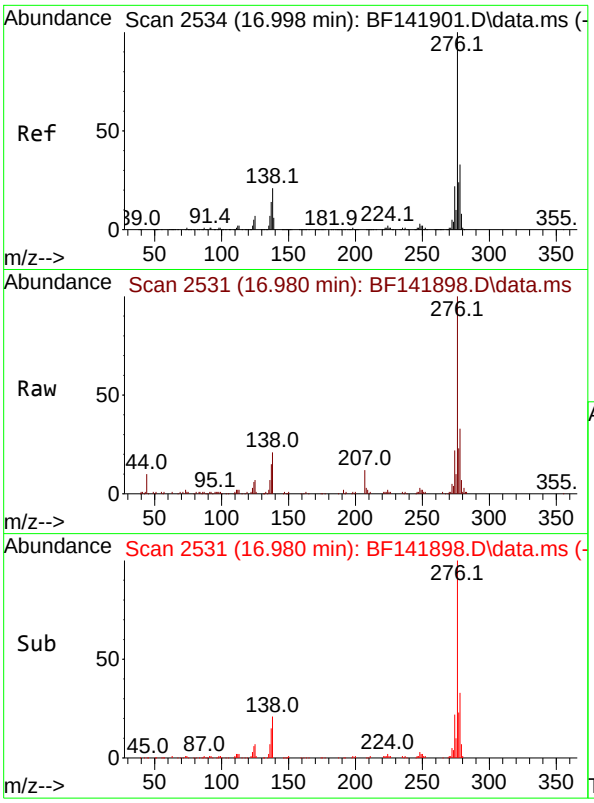


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:264 Resp: 527129

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	21.7	17.5	26.3



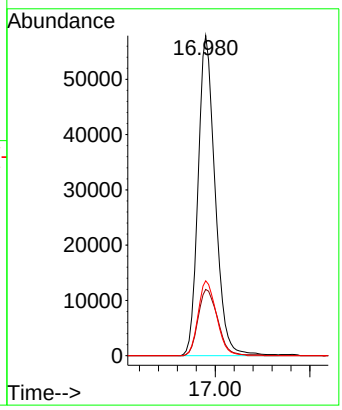


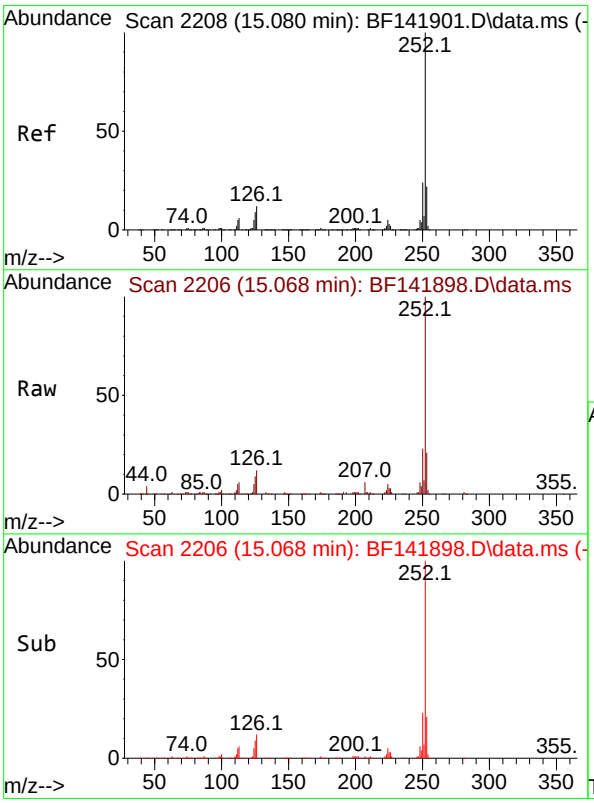
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.228 ng
RT: 16.980 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 144536

Ion	Ratio	Lower	Upper
276	100		
138	23.7	18.4	27.6
277	25.1	20.3	30.5

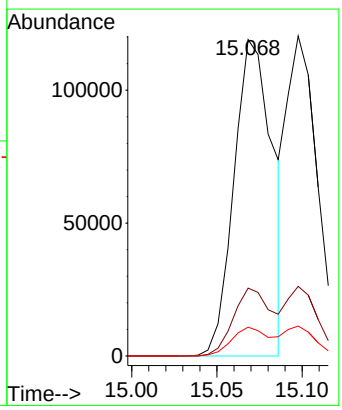


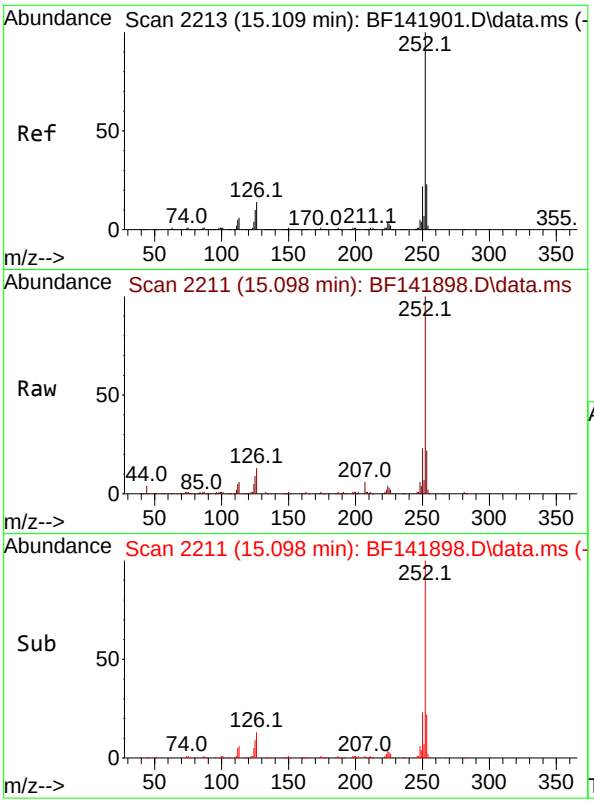


#88
Benzo(b)fluoranthene
Concen: 5.234 ng
RT: 15.068 min Scan# 2206
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:252 Resp: 187154

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	9.1	7.0	10.4



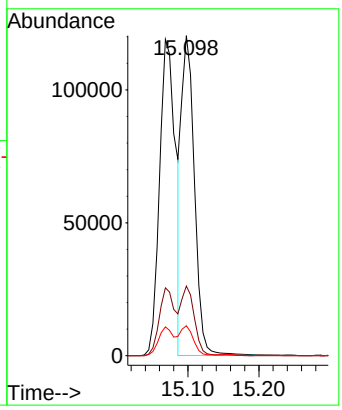


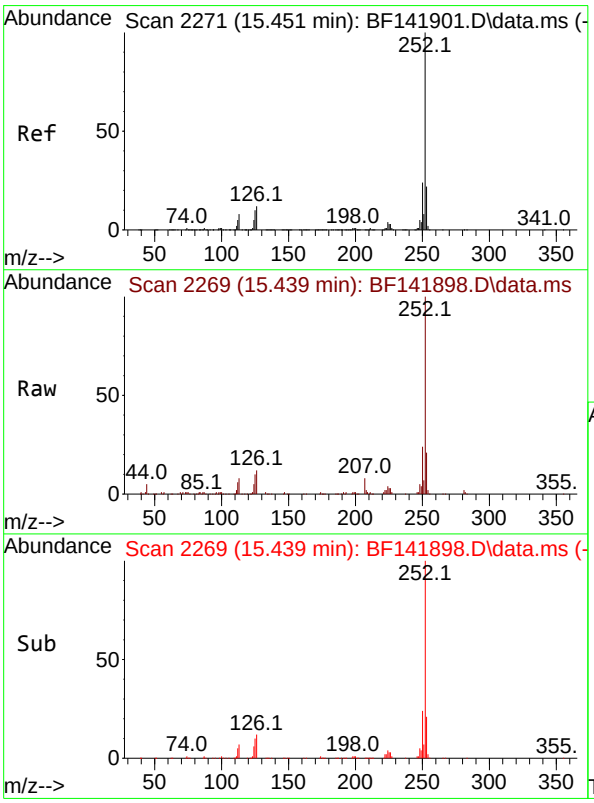
#89
Benzo(k)fluoranthene
Concen: 4.903 ng
RT: 15.098 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 153142

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	9.4	7.2	10.8

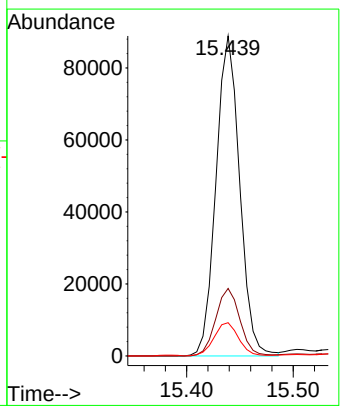


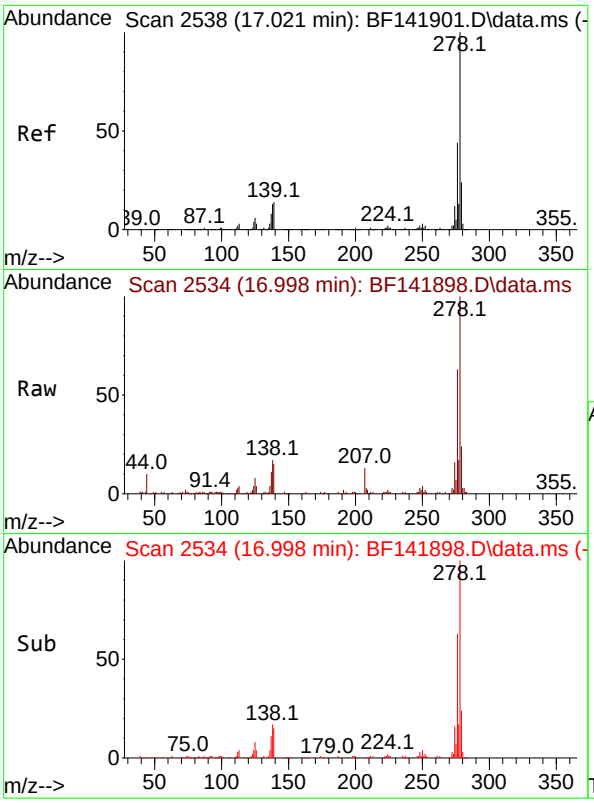


#90
Benzo(a)pyrene
Concen: 4.860 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:252 Resp: 137043

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.4	26.0
125	10.4	7.8	11.8



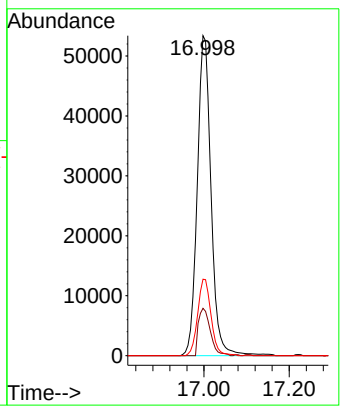


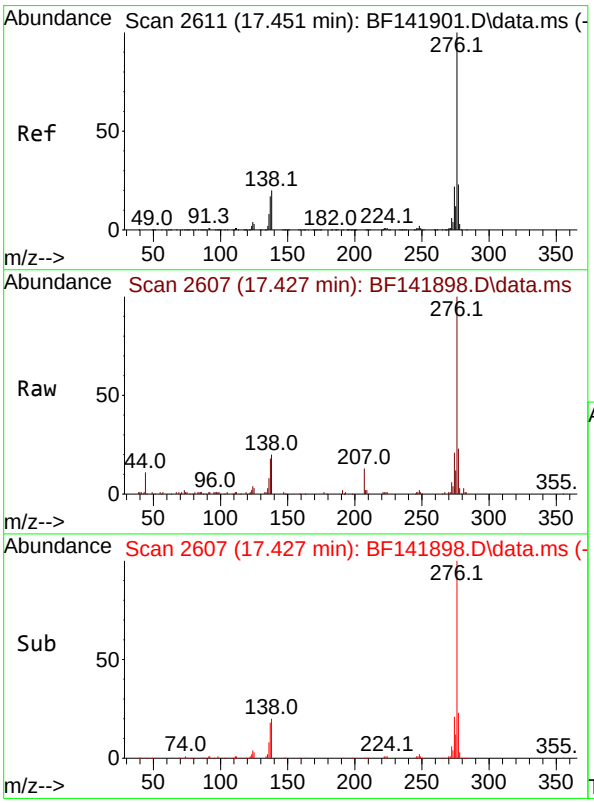
#91
Dibenzo(a,h)anthracene
Concen: 4.252 ng
RT: 16.998 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 119937

Ion	Ratio	Lower	Upper
278	100		
139	14.8	11.4	17.2
279	23.9	18.8	28.2

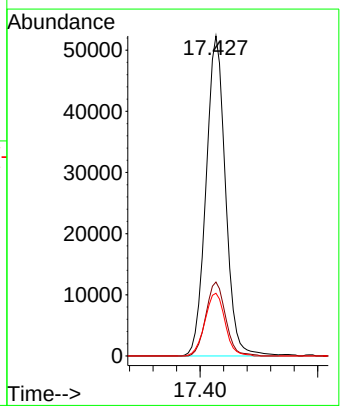




#92
Benzo(g,h,i)perylene
Concen: 4.294 ng
RT: 17.427 min Scan# 2607
Delta R.T. -0.024 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:276 Resp: 120142

Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.7	28.1
138	19.6	15.8	23.8



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141899.D
Acq On : 10 Mar 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Mar 10 15:33:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	224499	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	921725	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	541295	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	966771	20.000	ng		0.00
76) Chrysene-d12	14.039	240	703100	20.000	ng		0.00
86) Perylene-d12	15.510	264	510790	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	279139	20.746	ng		0.00
7) Phenol-d6	6.493	99	357672	20.872	ng		-0.01
23) Nitrobenzene-d5	7.434	82	328098	19.951	ng		-0.01
42) 2,4,6-Tribromophenol	10.698	330	127785	18.630	ng		0.00
45) 2-Fluorobiphenyl	9.234	172	746589	21.003	ng		0.00
79) Terphenyl-d14	12.980	244	920159	19.345	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.675	88	54068	9.588	ng		98
3) Pyridine	3.440	79	135148	9.752	ng		99
4) n-Nitrosodimethylamine	3.369	42	62411	9.474	ng	#	98
6) Aniline	6.540	93	179854	10.631	ng		99
8) 2-Chlorophenol	6.657	128	151998	10.192	ng		97
9) Benzaldehyde	6.428	77	114586	11.963	ng		99
10) Phenol	6.504	94	187967	10.396	ng		98
11) bis(2-Chloroethyl)ether	6.610	93	139813	10.321	ng		99
12) 1,3-Dichlorobenzene	6.822	146	167192	10.374	ng		98
13) 1,4-Dichlorobenzene	6.898	146	168717	10.347	ng		98
14) 1,2-Dichlorobenzene	7.051	146	159032	10.357	ng		98
15) Benzyl Alcohol	7.010	79	140530	10.132	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	171225	10.487	ng		98
17) 2-Methylphenol	7.116	107	117869	9.945	ng		99
18) Hexachloroethane	7.392	117	61809	10.111	ng		100
19) n-Nitroso-di-n-propyla...	7.281	70	112281	10.194	ng		97
20) 3+4-Methylphenols	7.269	107	156526	10.296	ng		92
22) Acetophenone	7.281	105	227350	10.282	ng		99
24) Nitrobenzene	7.457	77	161777	9.922	ng		99
25) Isophorone	7.692	82	285760	9.842	ng		99
26) 2-Nitrophenol	7.775	139	73301	9.174	ng		98
27) 2,4-Dimethylphenol	7.804	122	107669	9.784	ng		99
28) bis(2-Chloroethoxy)met...	7.904	93	187307	10.298	ng		98
29) 2,4-Dichlorophenol	8.010	162	135772	9.941	ng		98
30) 1,2,4-Trichlorobenzene	8.098	180	149790	9.941	ng		99
31) Naphthalene	8.181	128	495470	10.493	ng		99
32) Benzoic acid	7.869	122	68640	7.136	ng		98
33) 4-Chloroaniline	8.228	127	173977	10.441	ng		98
34) Hexachlorobutadiene	8.298	225	97298	9.931	ng		98
35) Caprolactam	8.563	113	41208	9.922	ng		97
36) 4-Chloro-3-methylphenol	8.698	107	152340	10.029	ng		96
37) 2-Methylnaphthalene	8.869	142	326733	10.313	ng		99
38) 1-Methylnaphthalene	8.969	142	318324	10.376	ng		98
40) 1,2,4,5-Tetrachloroben...	9.034	216	163481	9.905	ng		99
41) Hexachlorocyclopentadiene	9.022	237	59769	9.177	ng		99
43) 2,4,6-Trichlorophenol	9.145	196	105191	9.777	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141899.D
Acq On : 10 Mar 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Mar 10 15:33:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	105943	9.692	ng		99
46) 1,1'-Biphenyl	9.334	154	425640	10.372	ng		98
47) 2-Chloronaphthalene	9.357	162	308729	10.094	ng		98
48) 2-Nitroaniline	9.451	65	84854	9.658	ng		98
49) Acenaphthylene	9.775	152	470801	10.383	ng		99
50) Dimethylphthalate	9.628	163	382722	10.176	ng		100
51) 2,6-Dinitrotoluene	9.692	165	75577	9.663	ng		97
52) Acenaphthene	9.945	154	323406	10.101	ng		100
53) 3-Nitroaniline	9.857	138	79944	9.955	ng		96
54) 2,4-Dinitrophenol	9.963	184	23121	11.386	ng	#	71
55) Dibenzofuran	10.116	168	483596	10.593	ng		98
56) 4-Nitrophenol	10.004	139	58549	9.706	ng		98
57) 2,4-Dinitrotoluene	10.092	165	103313	10.035	ng		98
58) Fluorene	10.463	166	368370	10.452	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	98725	9.954	ng		99
60) Diethylphthalate	10.328	149	398003	10.542	ng		100
61) 4-Chlorophenyl-phenyle...	10.451	204	186237	10.145	ng		99
62) 4-Nitroaniline	10.463	138	78048	10.030	ng		97
63) Azobenzene	10.610	77	368982	10.521	ng		99
65) 4,6-Dinitro-2-methylph...	10.498	198	40348	7.040	ng		99
66) n-Nitrosodiphenylamine	10.569	169	314758	10.078	ng		99
67) 4-Bromophenyl-phenylether	10.945	248	120534	10.011	ng		97
68) Hexachlorobenzene	11.010	284	129242	9.712	ng		98
69) Atrazine	11.092	200	102822	13.502	ng		99
70) Pentachlorophenol	11.198	266	73112	8.909	ng		99
71) Phenanthrene	11.422	178	556546	10.646	ng		98
72) Anthracene	11.475	178	550767	10.501	ng		100
73) Carbazole	11.628	167	480520	10.641	ng		99
74) Di-n-butylphthalate	11.957	149	638429	10.708	ng		99
75) Fluoranthene	12.610	202	592806	10.801	ng		99
77) Benzidine	12.733	184	108761	10.946	ng		99
78) Pyrene	12.839	202	580442	9.626	ng		99
80) Butylbenzylphthalate	13.457	149	230714	9.710	ng		98
81) Benzo(a)anthracene	14.027	228	458422	9.911	ng		99
82) 3,3'-Dichlorobenzidine	13.986	252	136843	10.236	ng		99
83) Chrysene	14.063	228	419687	10.100	ng		99
84) Bis(2-ethylhexyl)phtha...	14.016	149	320536	9.833	ng		99
85) Di-n-octyl phthalate	14.627	149	428377	9.442	ng		100
87) Indeno(1,2,3-cd)pyrene	16.986	276	291723	8.807	ng		99
88) Benzo(b)fluoranthene	15.074	252	334664	9.659	ng		99
89) Benzo(k)fluoranthene	15.104	252	323772	10.698	ng		99
90) Benzo(a)pyrene	15.439	252	266149	9.740	ng		99
91) Dibenzo(a,h)anthracene	17.004	278	243443	8.907	ng		98
92) Benzo(g,h,i)perylene	17.433	276	242380	8.941	ng		99

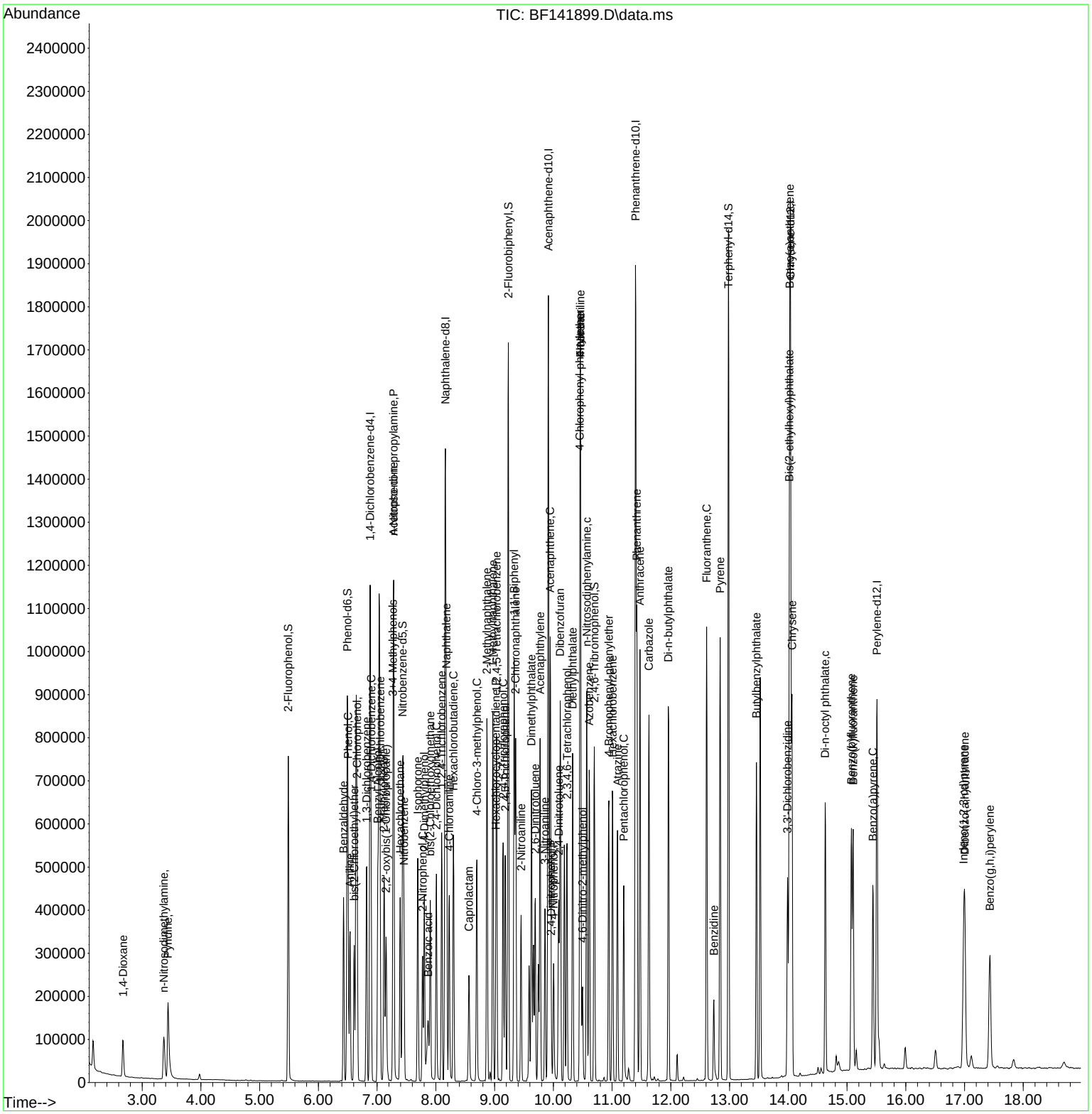
(#) = qualifier out of range (m) = manual integration (+) = signals summed

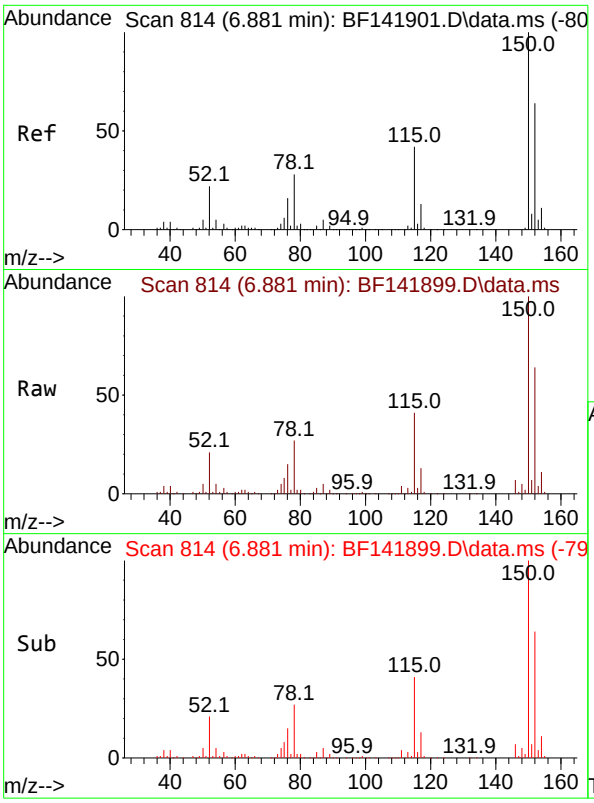
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141899.D
Acq On : 10 Mar 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Mar 10 15:33:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



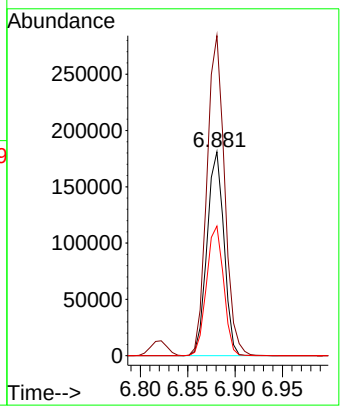


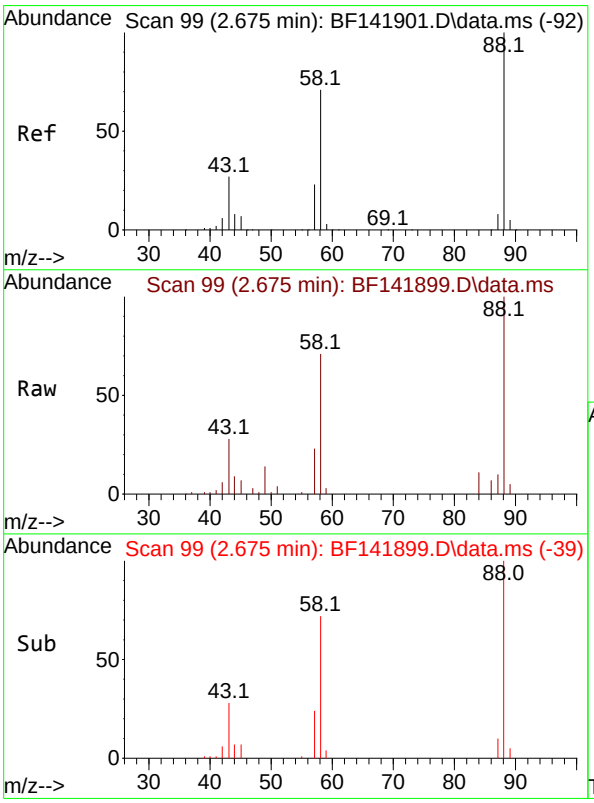
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 224499

Ion	Ratio	Lower	Upper
152	100		
150	157.0	127.4	191.2
115	63.6	51.9	77.9

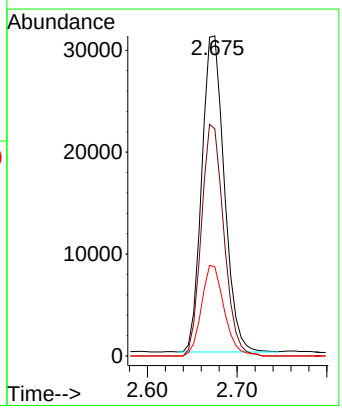


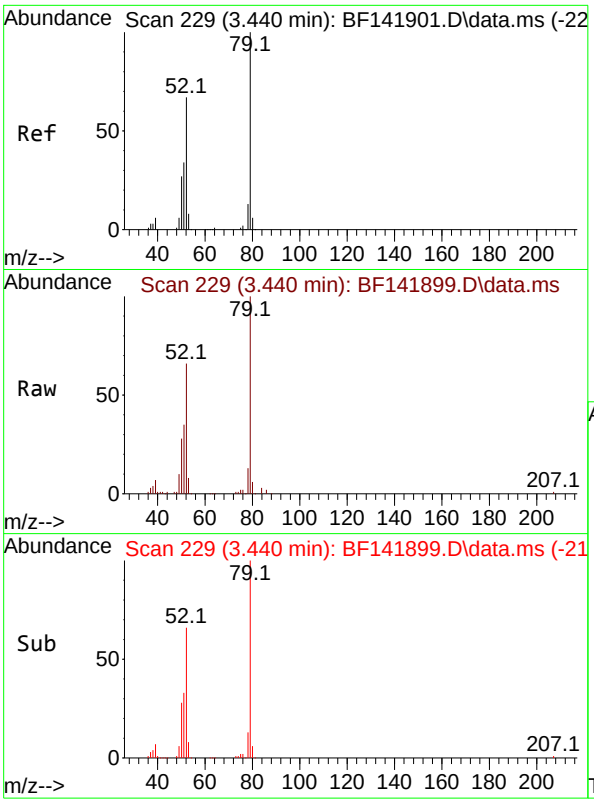


#2
1,4-Dioxane
Concen: 9.588 ng
RT: 2.675 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 88 Resp: 54068

Ion	Ratio	Lower	Upper
88	100		
58	72.9	57.4	86.2
43	28.8	21.5	32.3



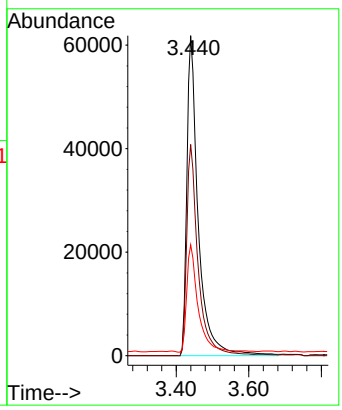


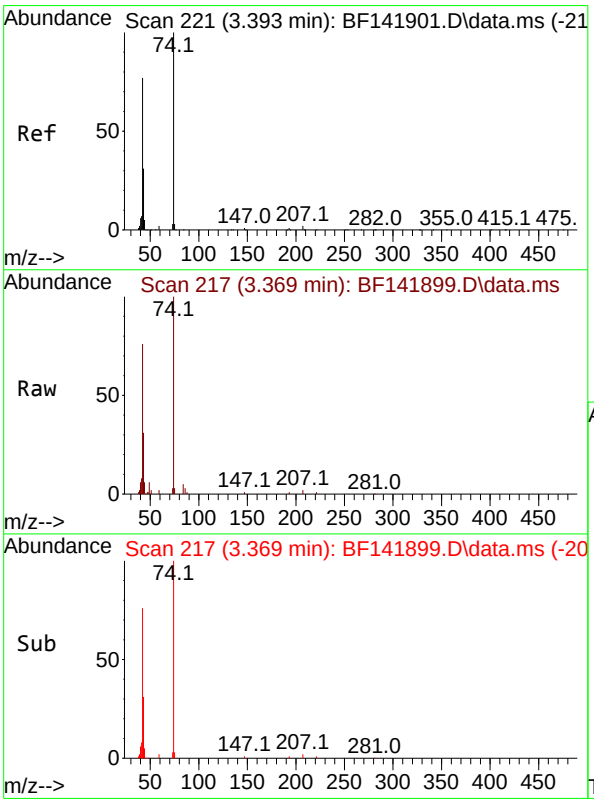
#3
Pyridine
Concen: 9.752 ng
RT: 3.440 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 135148

Ion	Ratio	Lower	Upper
79	100		
52	66.0	53.3	79.9
51	34.7	27.6	41.4

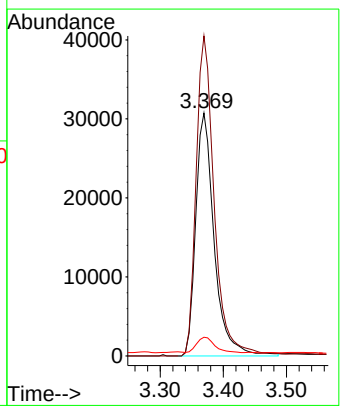


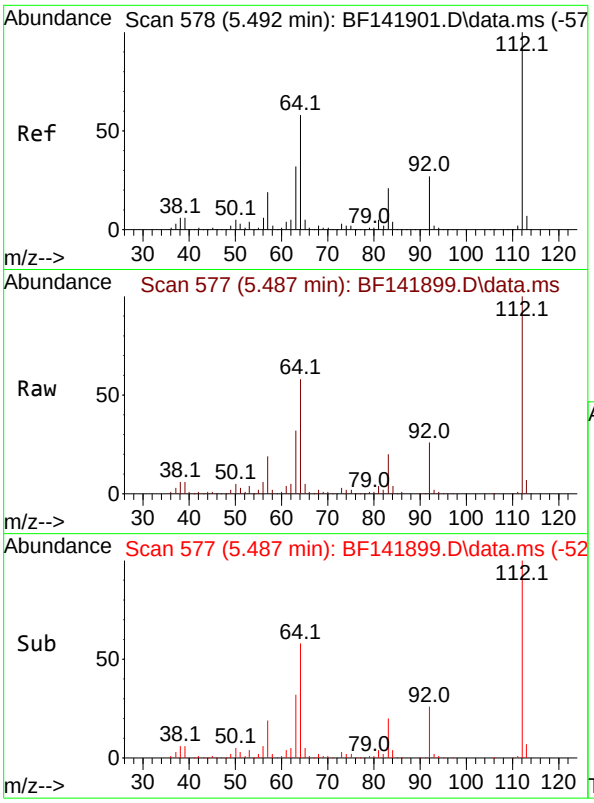


#4
n-Nitrosodimethylamine
Concen: 9.474 ng
RT: 3.369 min Scan# 217
Delta R.T. -0.023 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 42 Resp: 62411

Ion	Ratio	Lower	Upper
42	100		
74	131.7	103.4	155.0
44	7.7	5.0	7.4#



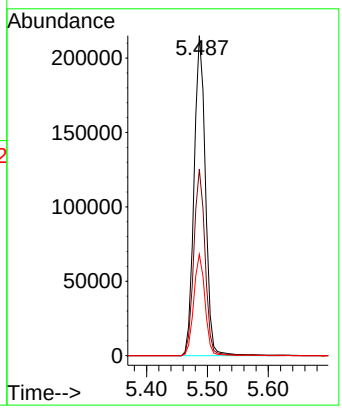


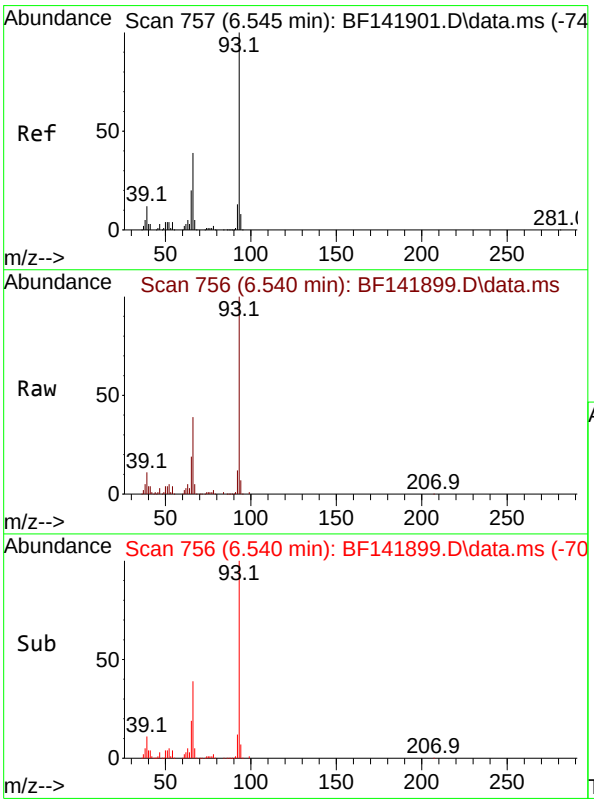
#5
2-Fluorophenol
Concen: 20.746 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 279139

Ion	Ratio	Lower	Upper
112	100		
64	58.3	46.5	69.7
63	31.6	25.4	38.2

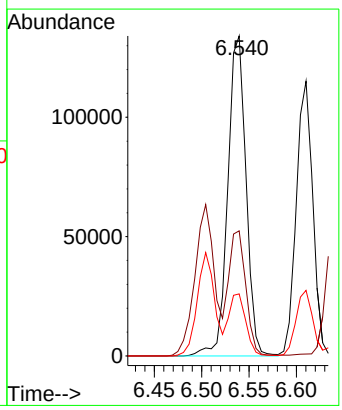


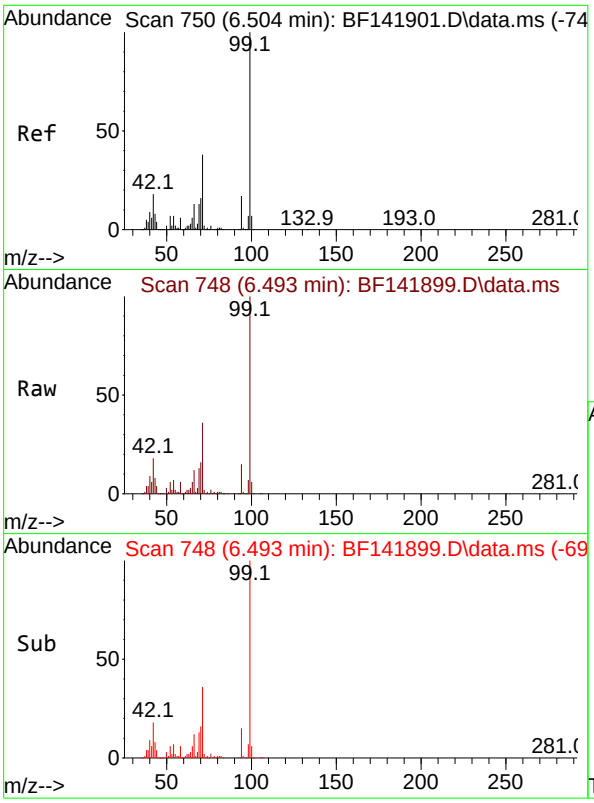


#6
Aniline
Concen: 10.631 ng
RT: 6.540 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 93 Resp: 179854

Ion	Ratio	Lower	Upper
93	100		
66	39.1	31.9	47.9
65	19.4	15.8	23.6



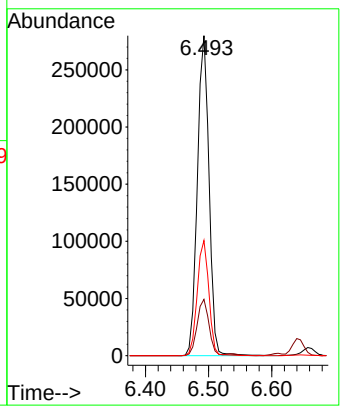


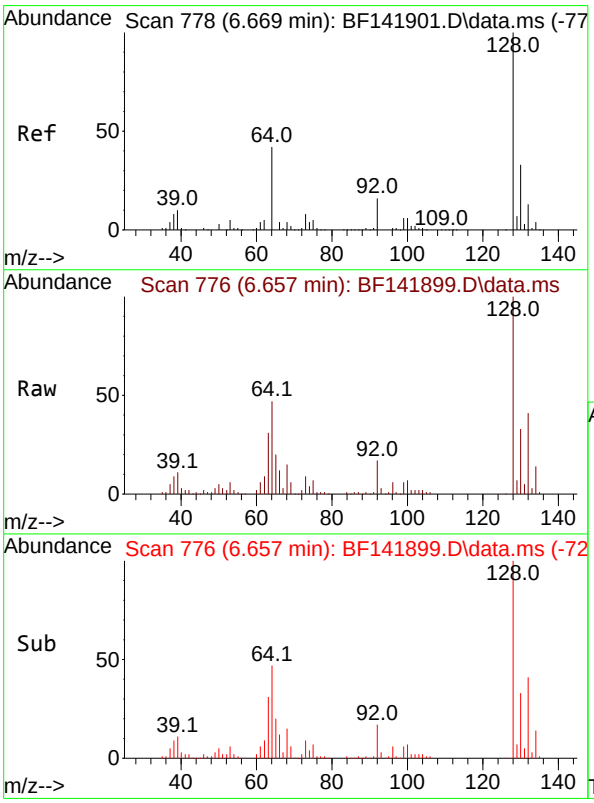
#7
Phenol-d6
Concen: 20.872 ng
RT: 6.493 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 357672

Ion	Ratio	Lower	Upper
99	100		
42	17.6	14.6	21.8
71	36.0	30.8	46.2

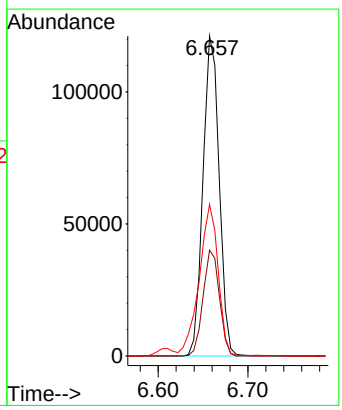


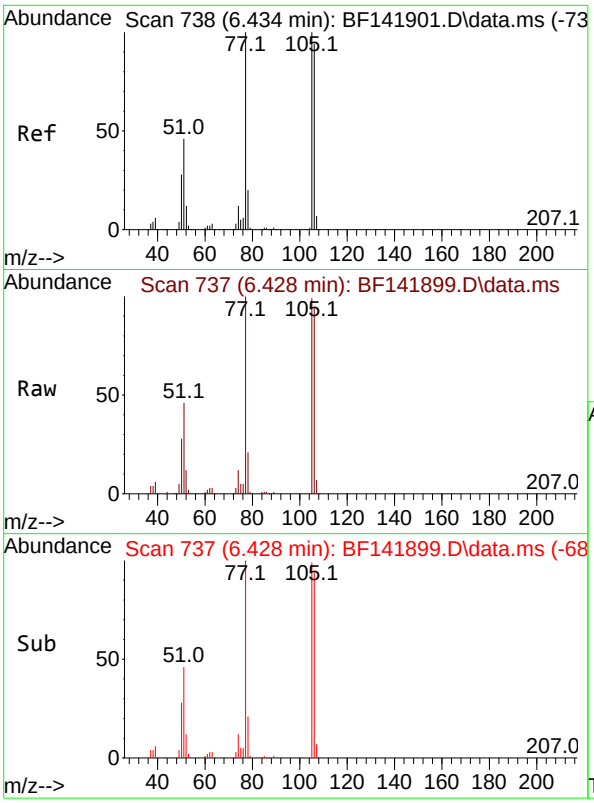


#8
2-Chlorophenol
Concen: 10.192 ng
RT: 6.657 min Scan# 776
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:128 Resp: 151998

Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.8	52.8
64	47.3	24.4	64.4



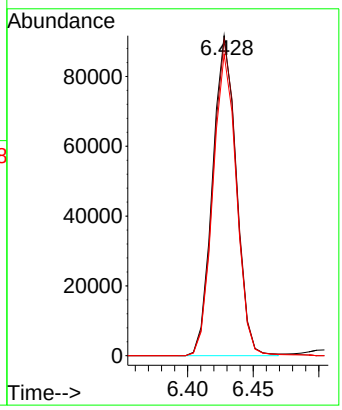


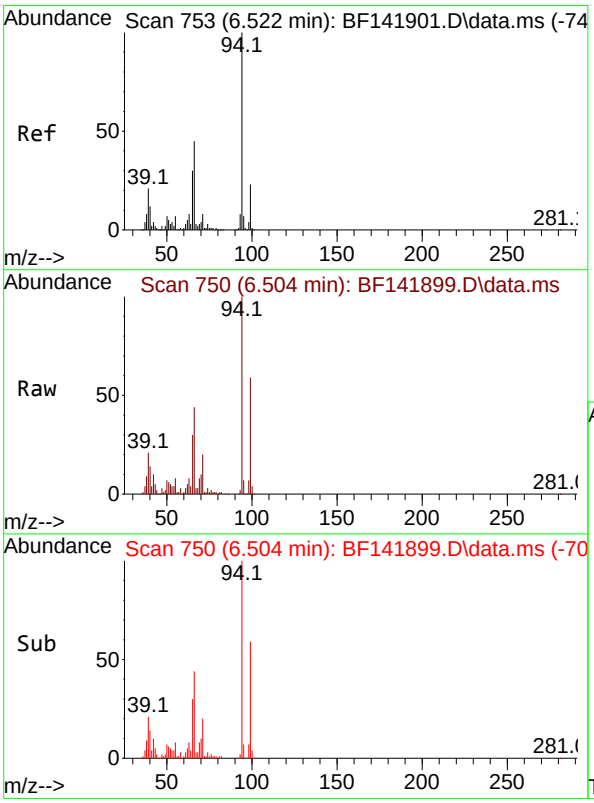
#9
Benzaldehyde
Concen: 11.963 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 114586

Ion	Ratio	Lower	Upper
77	100		
105	98.6	80.0	120.0
106	94.3	74.5	114.5

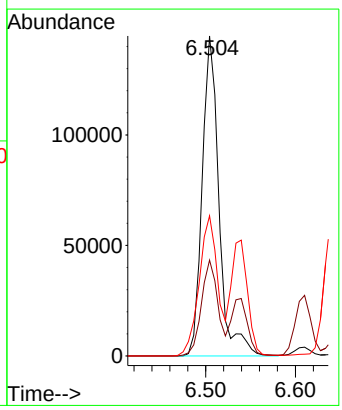


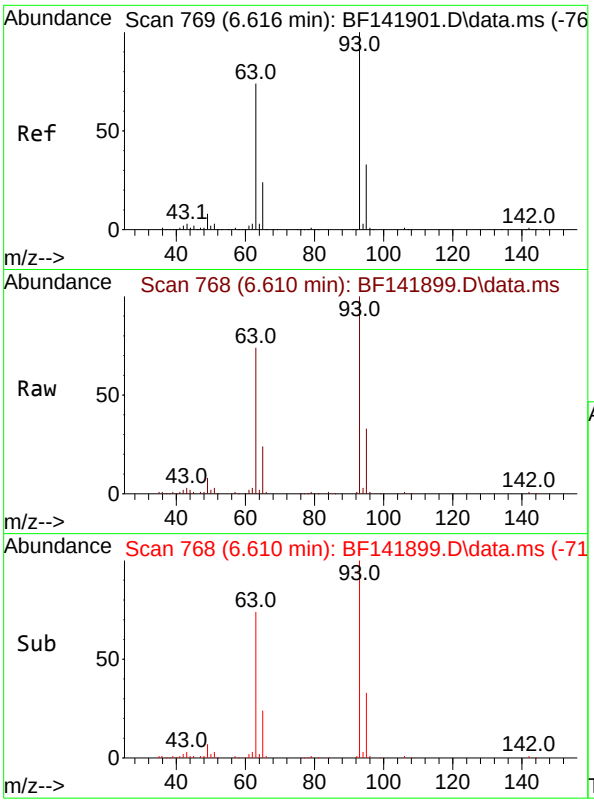


#10
Phenol
Concen: 10.396 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.017 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 94 Resp: 187967

Ion	Ratio	Lower	Upper
94	100		
65	29.9	10.5	50.5
66	43.8	25.8	65.8



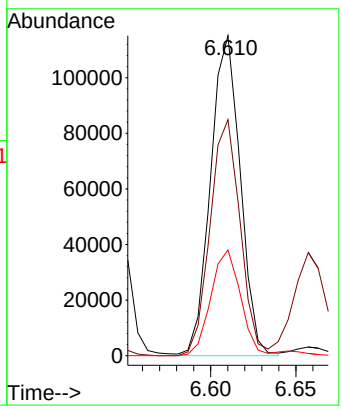


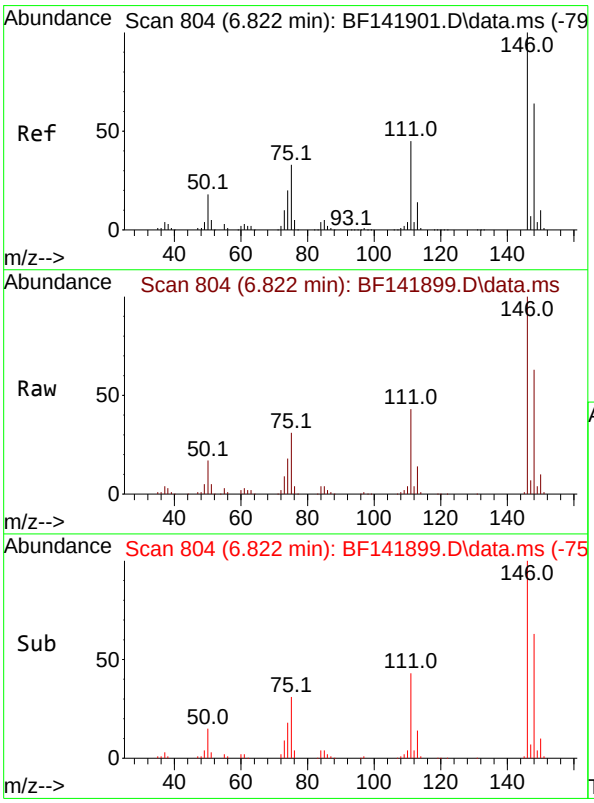
#11
bis(2-Chloroethyl)ether
Concen: 10.321 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 139813

Ion	Ratio	Lower	Upper
93	100		
63	73.7	53.0	93.0
95	33.0	12.9	52.9

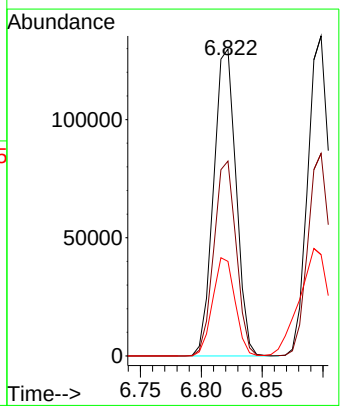


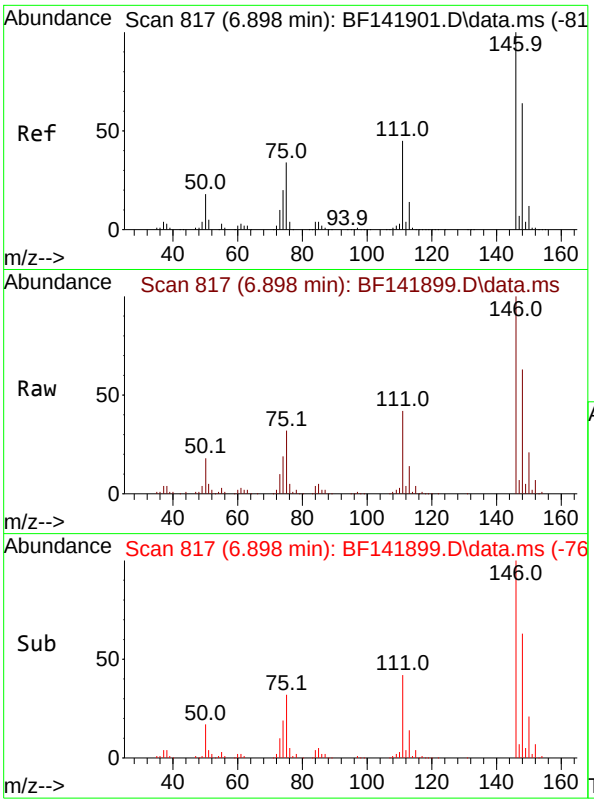


#12
1,3-Dichlorobenzene
Concen: 10.374 ng
RT: 6.822 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:146 Resp: 167192

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.3	76.9
75	30.8	26.6	40.0



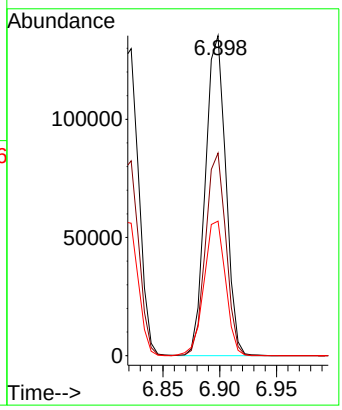


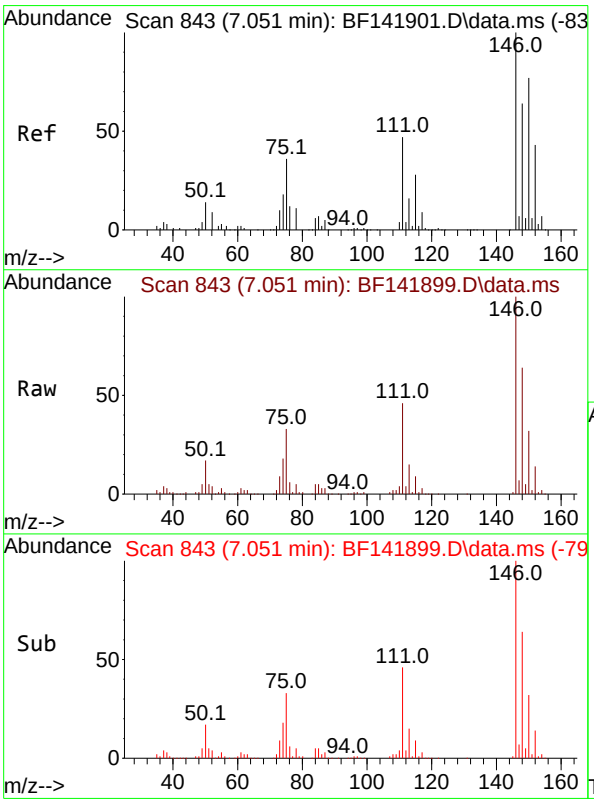
#13
1,4-Dichlorobenzene
Concen: 10.347 ng
RT: 6.898 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 168717

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.0	76.6
111	42.1	35.7	53.5

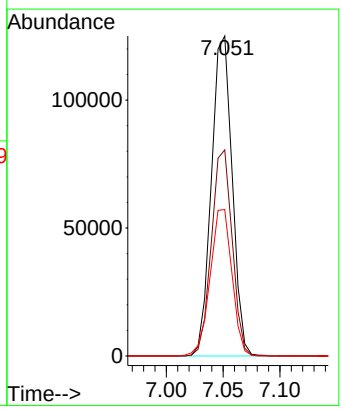


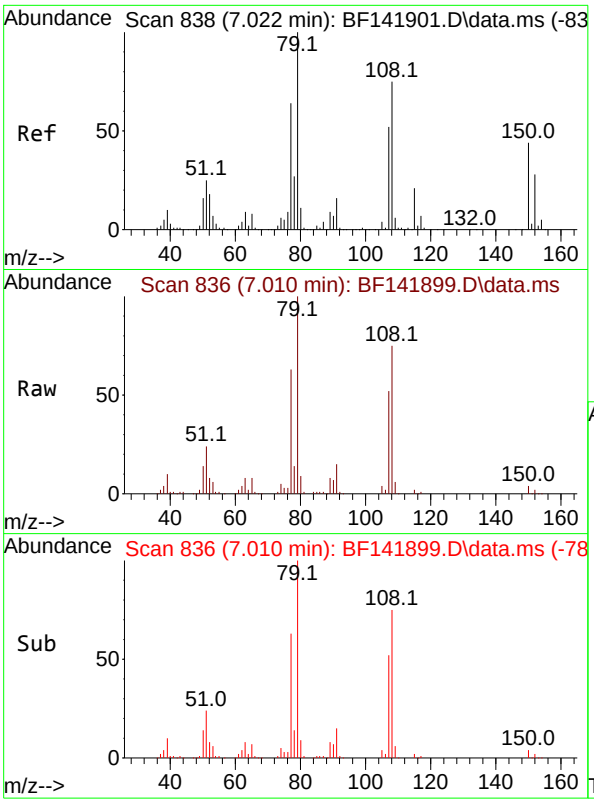


#14
1,2-Dichlorobenzene
Concen: 10.357 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:146 Resp: 159032

Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.8	76.2
111	45.8	38.0	57.0



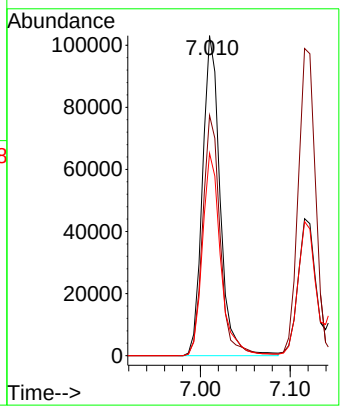


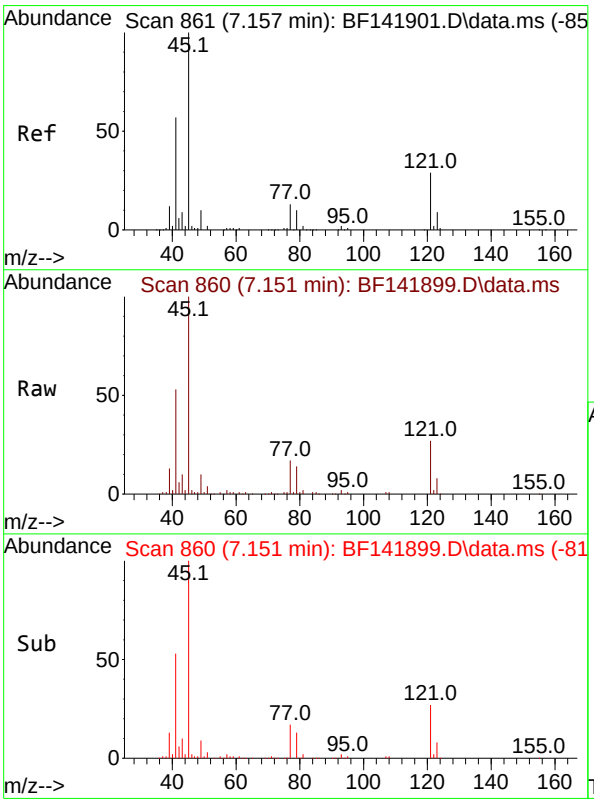
#15
Benzyl Alcohol
Concen: 10.132 ng
RT: 7.010 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 140530

Ion	Ratio	Lower	Upper
79	100		
108	75.1	59.7	89.5
77	63.3	51.0	76.6

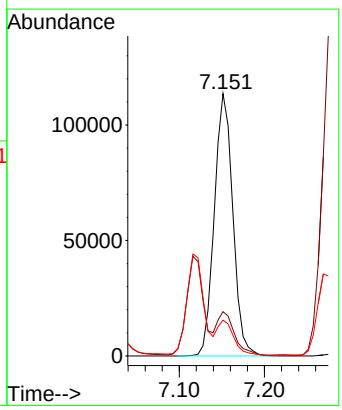


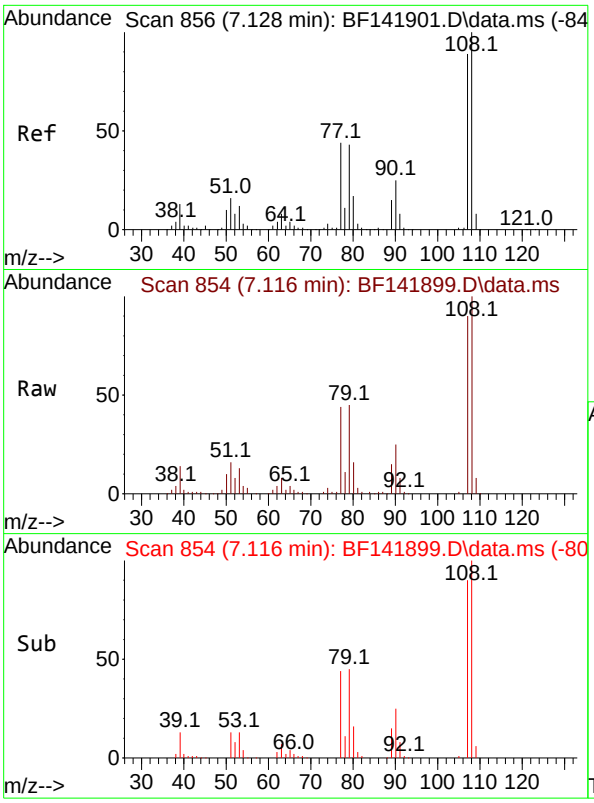


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.487 ng
RT: 7.151 min Scan# 860
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 45 Resp: 171225

Ion	Ratio	Lower	Upper
45	100		
77	16.9	0.0	37.8
79	13.7	0.0	34.2



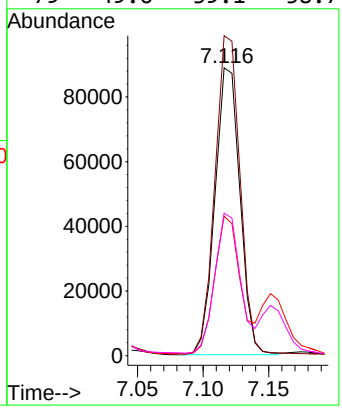


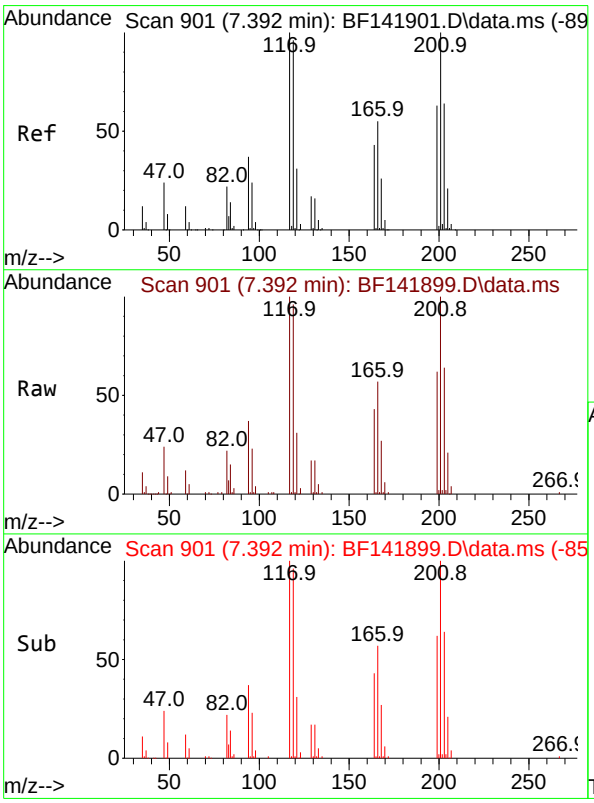
#17
2-Methylphenol
Concen: 9.945 ng
RT: 7.116 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 117869

Ion	Ratio	Lower	Upper
107	100		
108	111.2	90.2	135.2
77	48.5	39.6	59.4
79	49.6	39.1	58.7

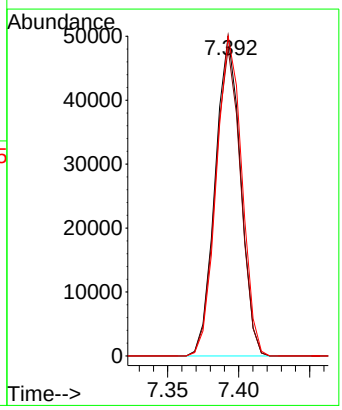


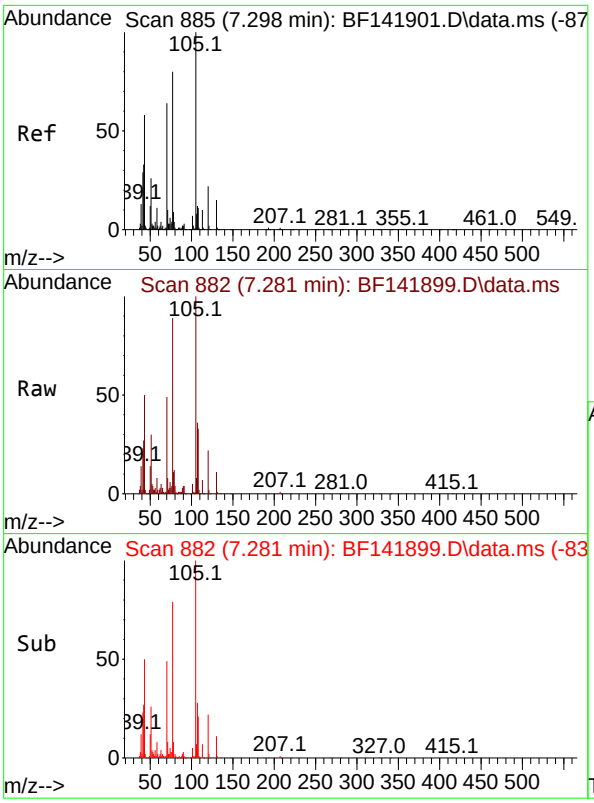


#18
Hexachloroethane
Concen: 10.111 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:117 Resp: 61809

Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.9	115.3
201	99.9	79.9	119.9



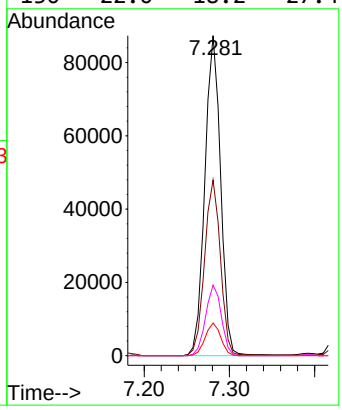


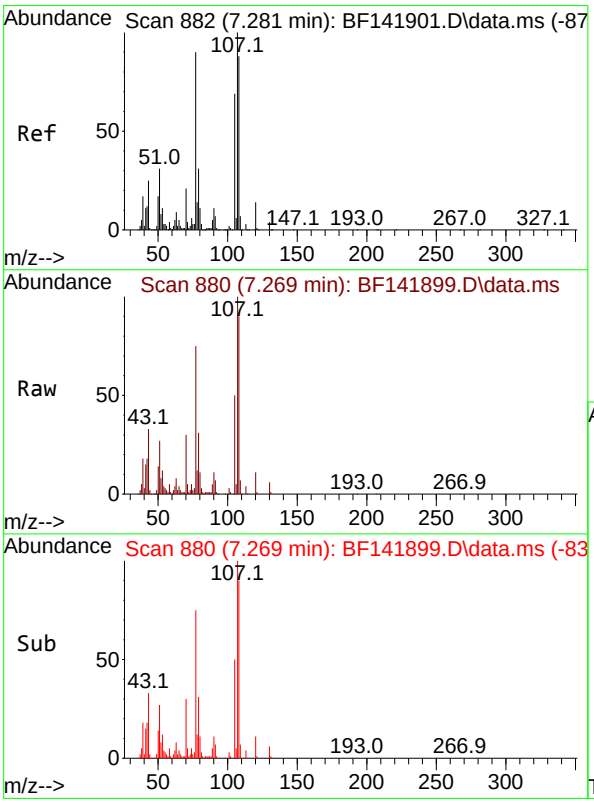
#19
n-Nitroso-di-n-propylamine
Concen: 10.194 ng
RT: 7.281 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 112281

Ion	Ratio	Lower	Upper
70	100		
42	54.9	41.4	62.0
101	10.2	8.2	12.2
130	22.0	18.2	27.4

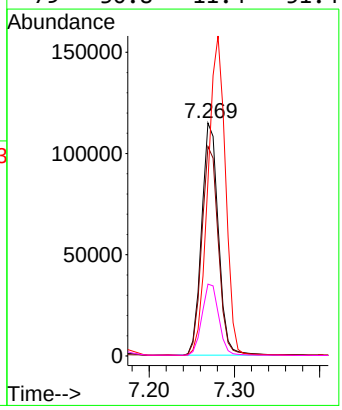


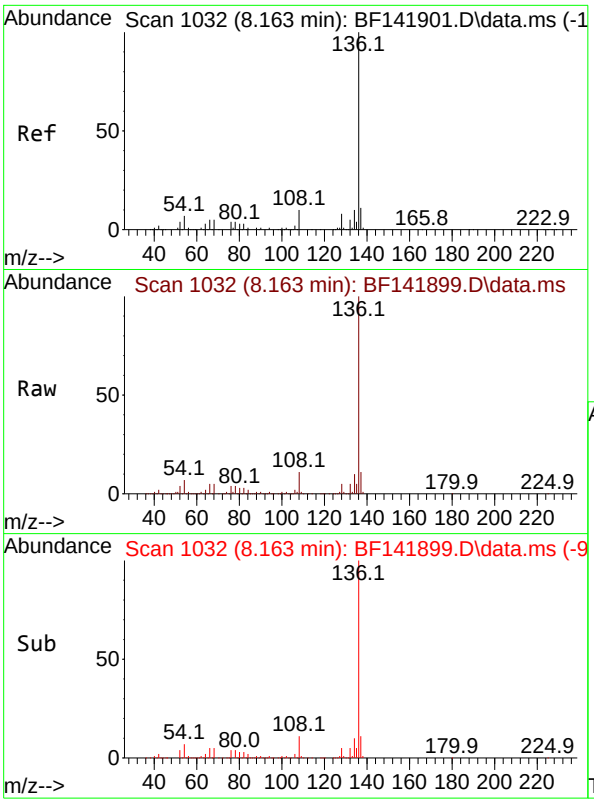


#20
3+4-Methylphenols
Concen: 10.296 ng
RT: 7.269 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:107 Resp: 156526

Ion	Ratio	Lower	Upper
107	100		
108	89.9	68.4	108.4
77	75.0	69.7	109.7
79	30.8	11.4	51.4



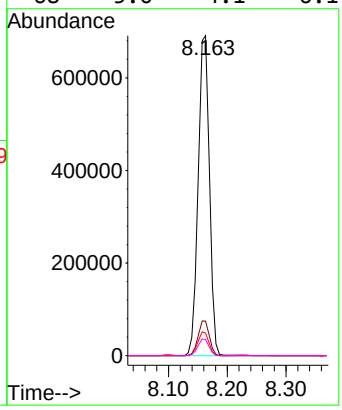


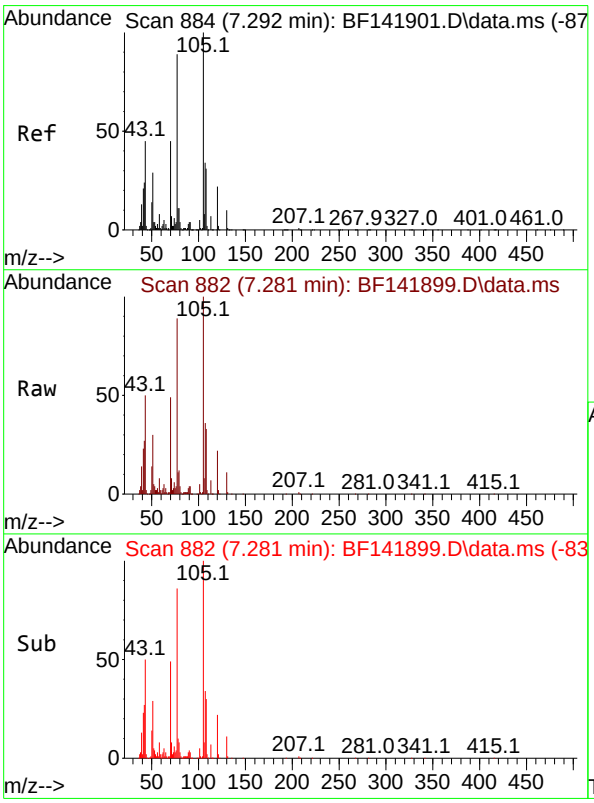
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 921725

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.0	5.8	8.8
68	5.0	4.1	6.1

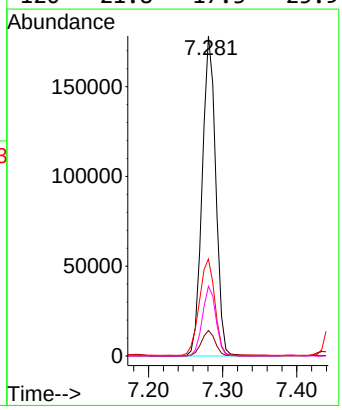


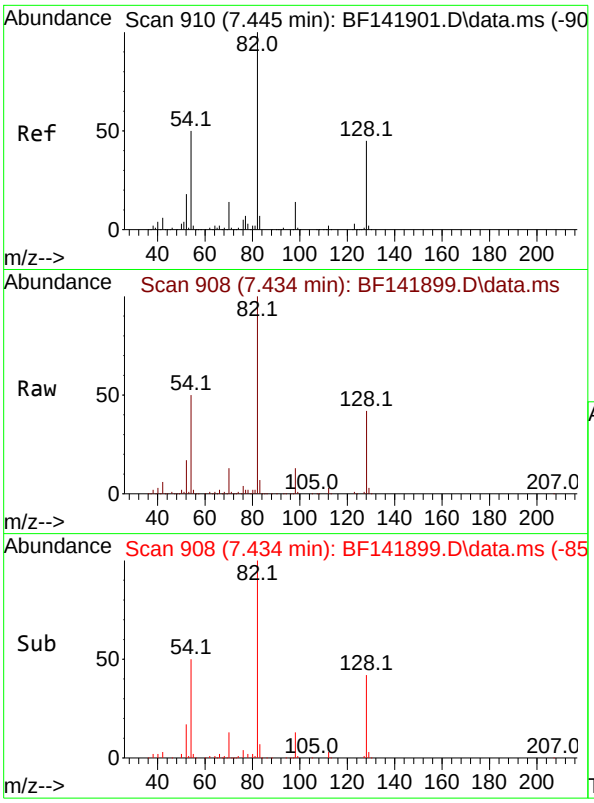


#22
Acetophenone
Concen: 10.282 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:105 Resp: 227350

Ion	Ratio	Lower	Upper
105	100		
71	8.0	5.8	8.8
51	30.3	23.4	35.0
120	21.8	17.3	25.9



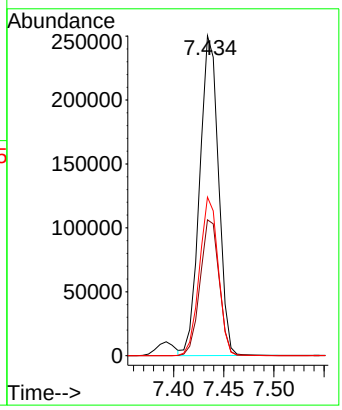


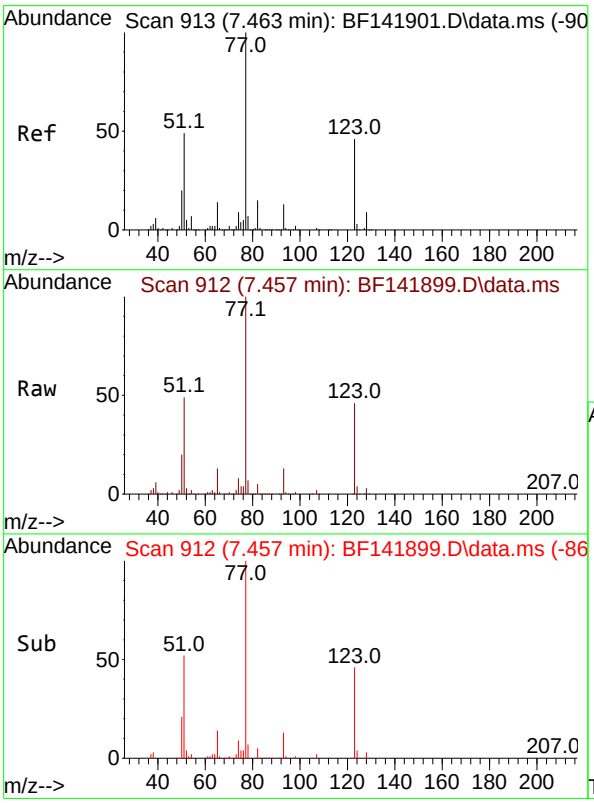
#23
Nitrobenzene-d5
Concen: 19.951 ng
RT: 7.434 min Scan# 9(
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 328098

Ion	Ratio	Lower	Upper
82	100		
128	42.5	36.0	54.0
54	49.6	39.6	59.4

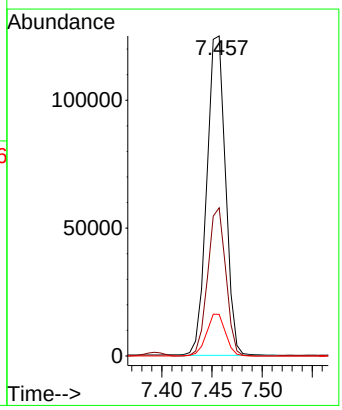


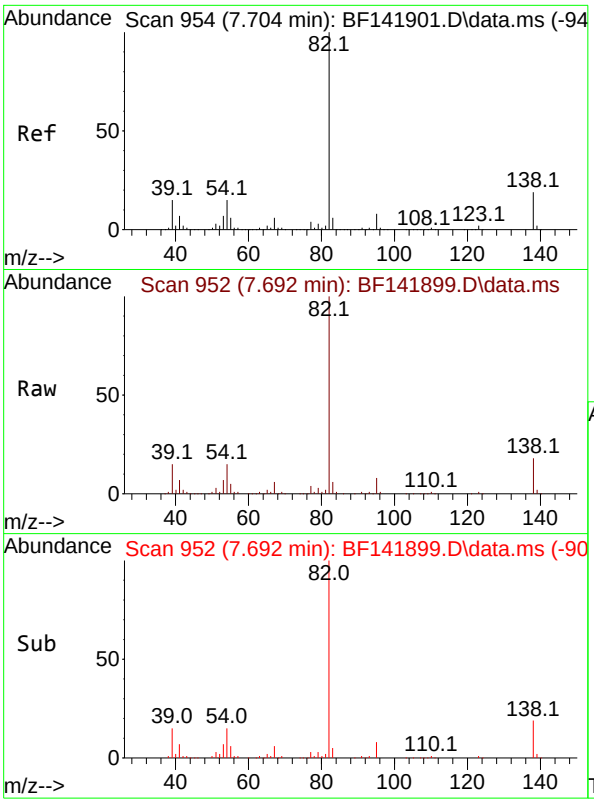


#24
Nitrobenzene
Concen: 9.922 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 77 Resp: 161777

Ion	Ratio	Lower	Upper
77	100		
123	46.3	37.0	55.4
65	13.0	11.3	16.9



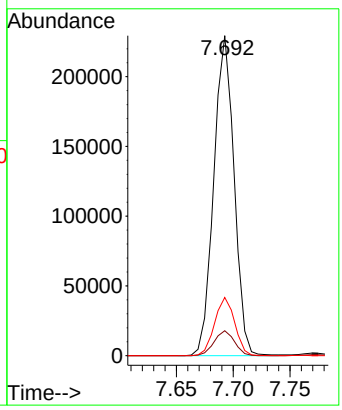


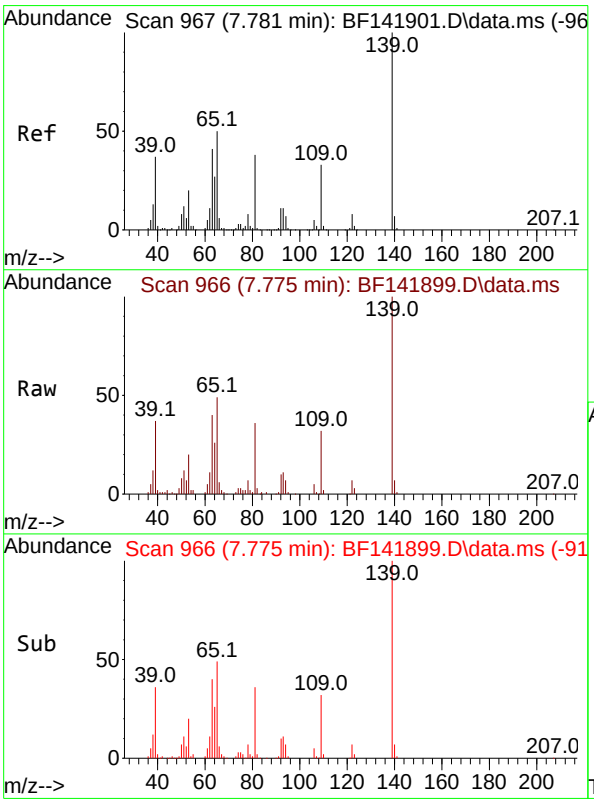
#25
Isophorone
Concen: 9.842 ng
RT: 7.692 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 285760

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	18.2	14.9	22.3

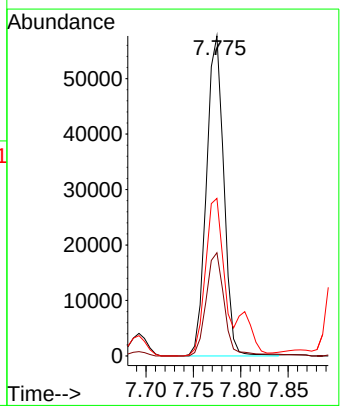


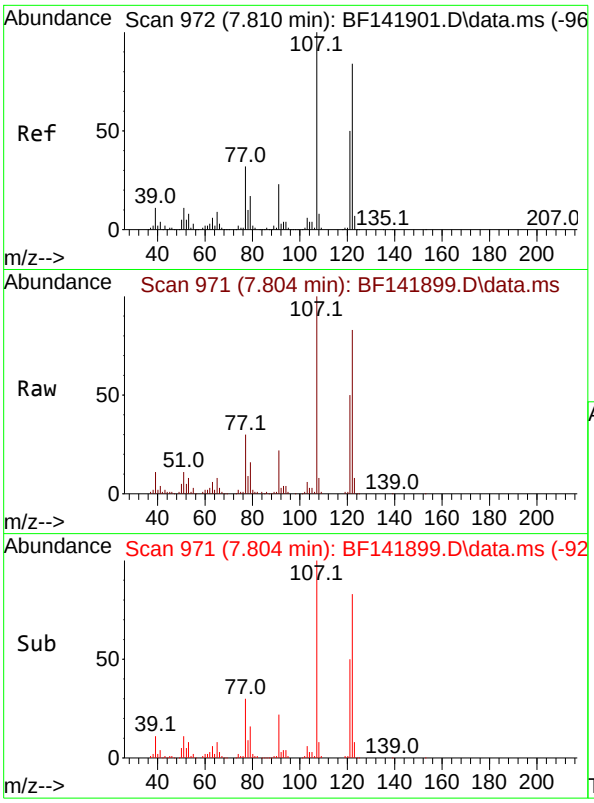


#26
2-Nitrophenol
Concen: 9.174 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:139 Resp: 73301

Ion	Ratio	Lower	Upper
139	100		
109	32.2	26.5	39.7
65	49.3	40.3	60.5



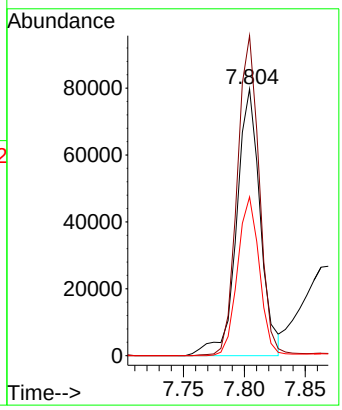


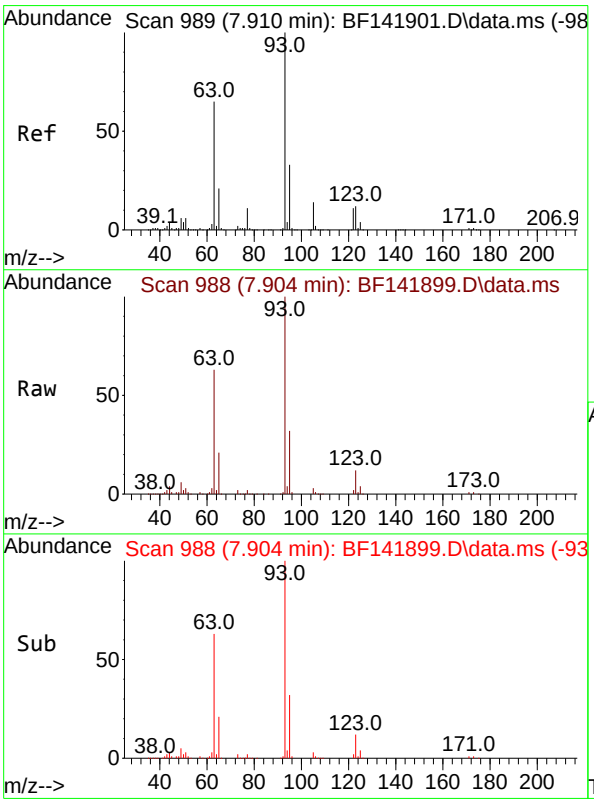
#27
2,4-Dimethylphenol
Concen: 9.784 ng
RT: 7.804 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 107669

Ion	Ratio	Lower	Upper
122	100		
107	120.0	94.8	142.2
121	59.5	47.8	71.6

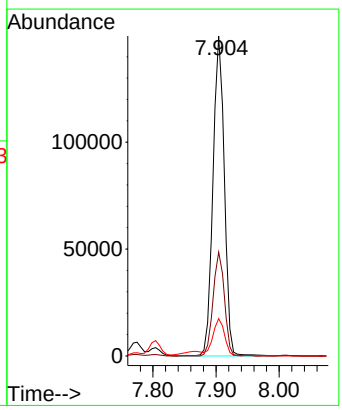


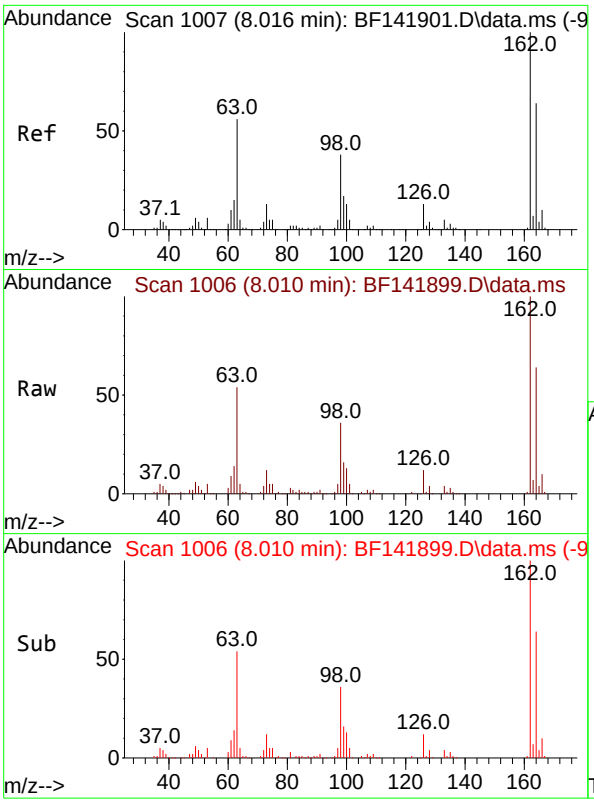


#28
bis(2-Chloroethoxy)methane
Concen: 10.298 ng
RT: 7.904 min Scan# 988
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 93 Resp: 187307

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.6	40.0
123	11.6	10.2	15.4



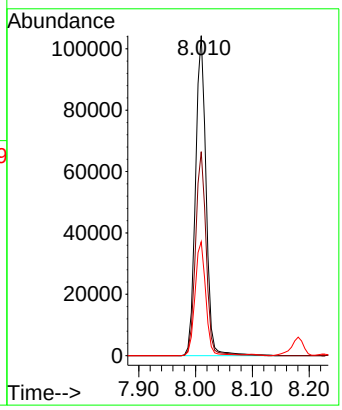


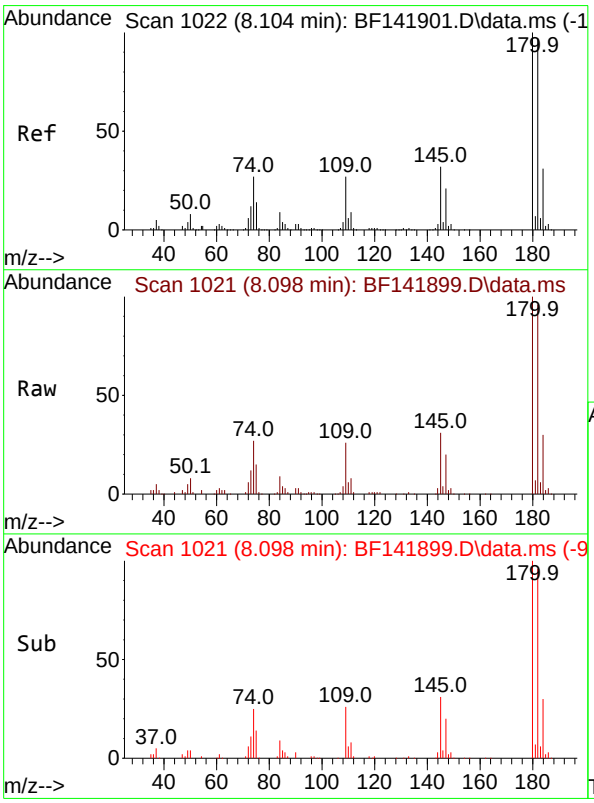
#29
2,4-Dichlorophenol
Concen: 9.941 ng
RT: 8.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 135772

Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.8	83.8
98	35.6	18.1	58.1

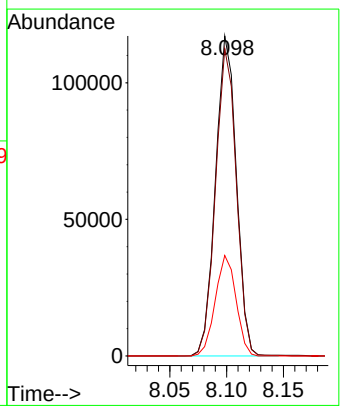


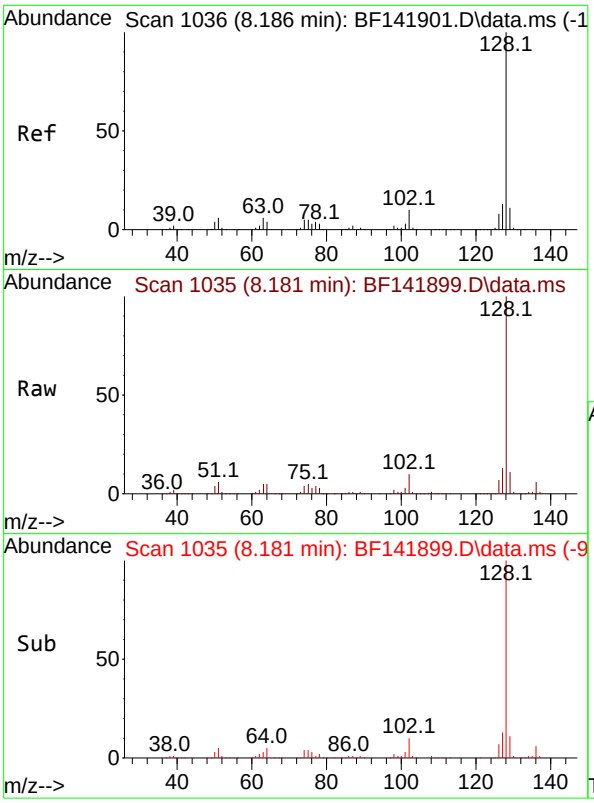


#30
1,2,4-Trichlorobenzene
Concen: 9.941 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:180 Resp: 149790

Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.5	116.3
145	31.4	25.8	38.6



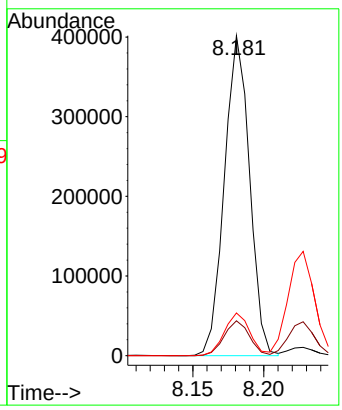


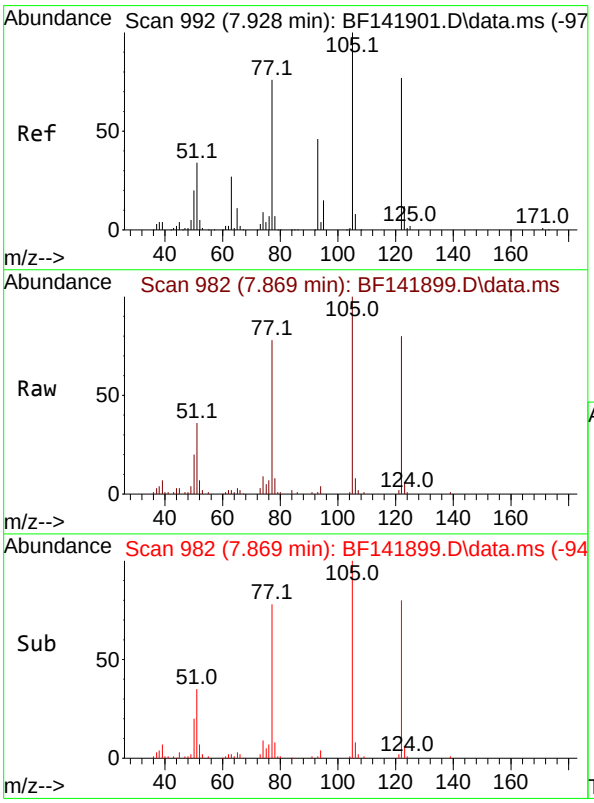
#31
Naphthalene
Concen: 10.493 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 495470

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.0	13.6
127	13.4	10.8	16.2

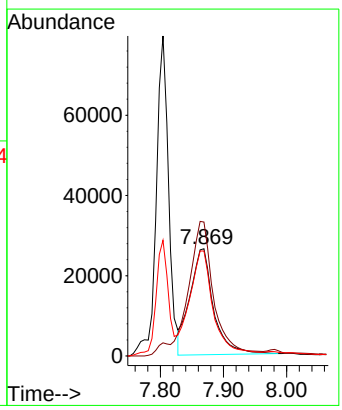


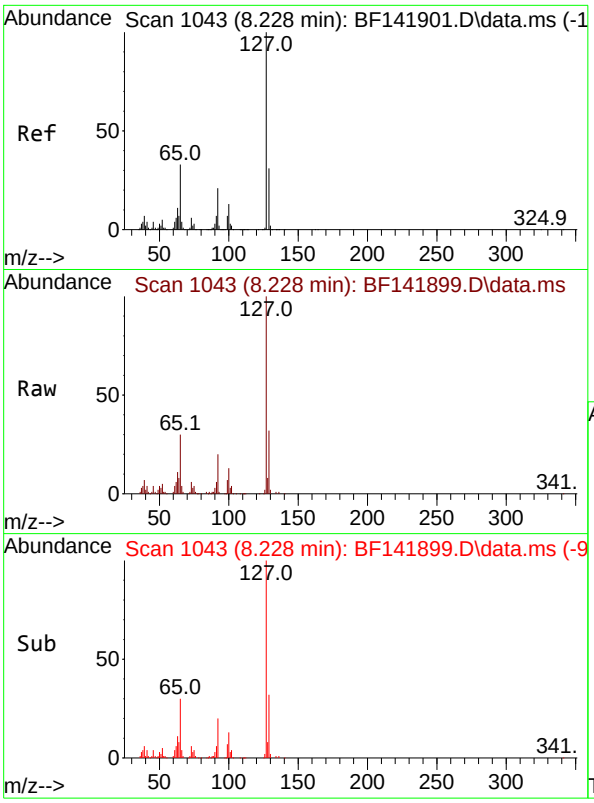


#32
Benzoic acid
Concen: 7.136 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.059 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:122 Resp: 68640

Ion	Ratio	Lower	Upper
122	100		
105	124.8	107.9	147.9
77	97.8	79.0	119.0



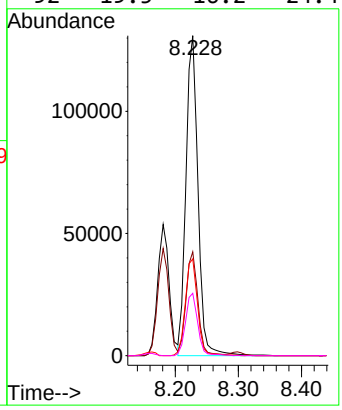


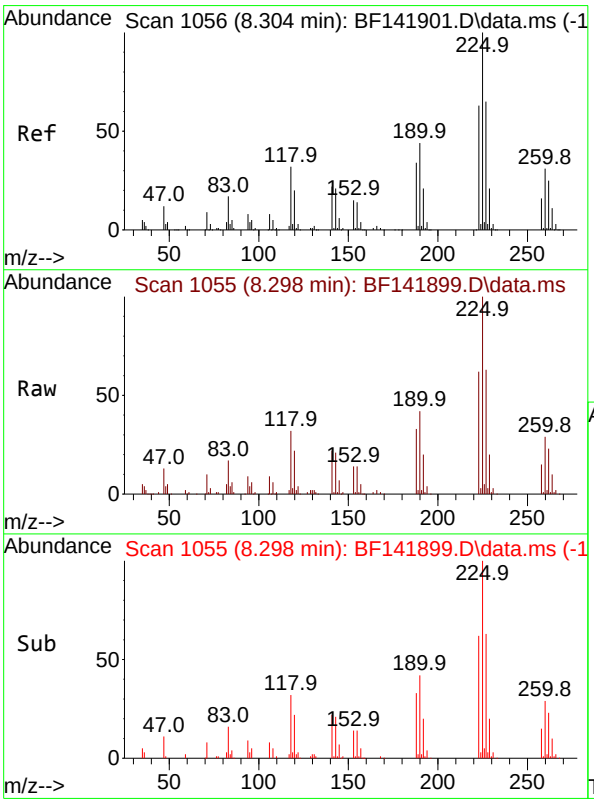
#33
4-Chloroaniline
Concen: 10.441 ng
RT: 8.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 173977

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.2	39.4
65	30.3	25.4	38.2
92	19.5	16.2	24.4

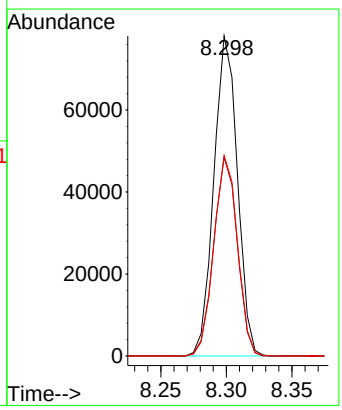


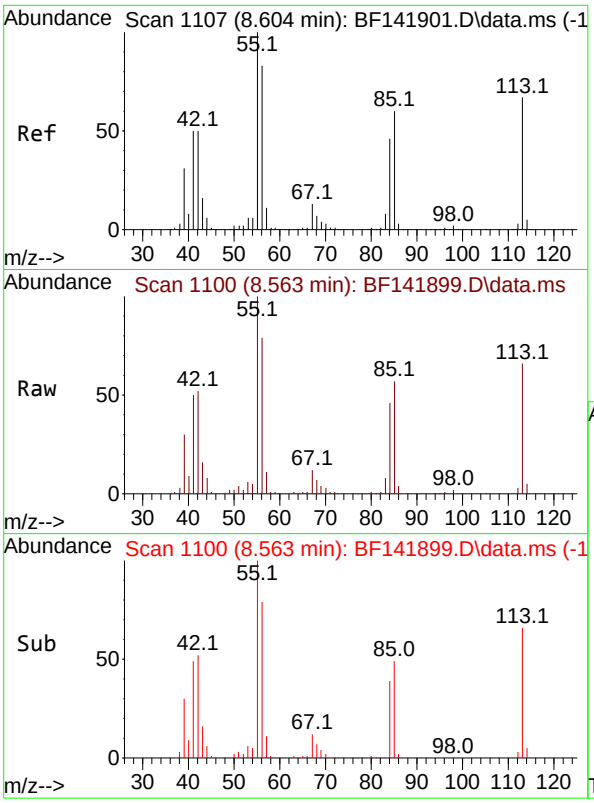


#34
Hexachlorobutadiene
Concen: 9.931 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:225 Resp: 97298

Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.6	75.8
227	62.7	52.2	78.2



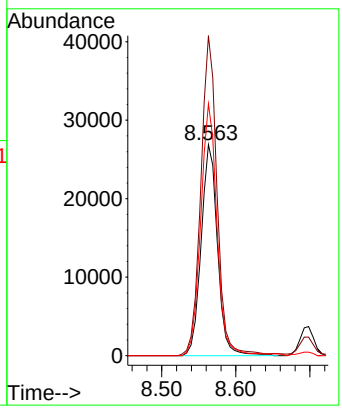


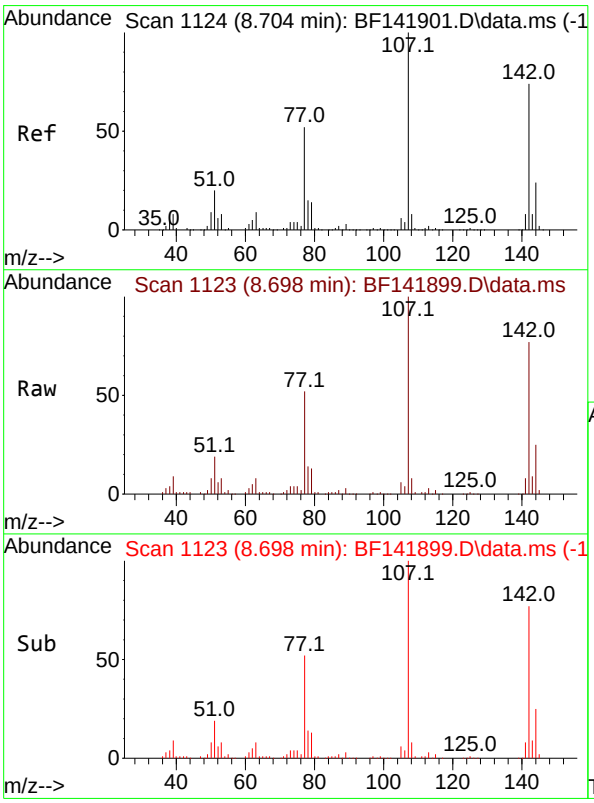
#35
Caprolactam
Concen: 9.922 ng
RT: 8.563 min Scan# 11
Delta R.T. -0.041 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 41208

Ion	Ratio	Lower	Upper
113	100		
55	151.6	129.6	169.6
56	119.3	104.0	144.0

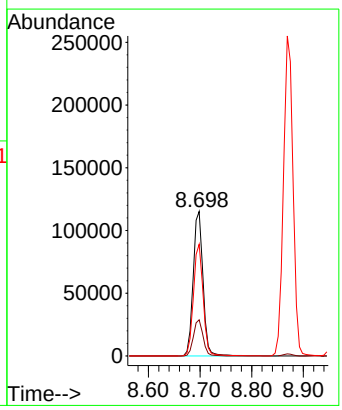


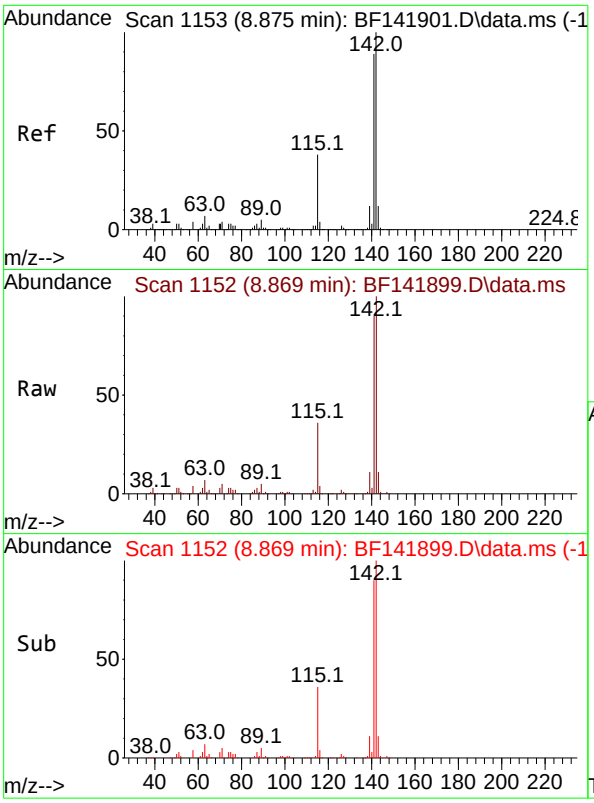


#36
4-Chloro-3-methylphenol
Concen: 10.029 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:107 Resp: 152340

Ion	Ratio	Lower	Upper
107	100		
144	25.1	19.0	28.6
142	77.3	59.2	88.8



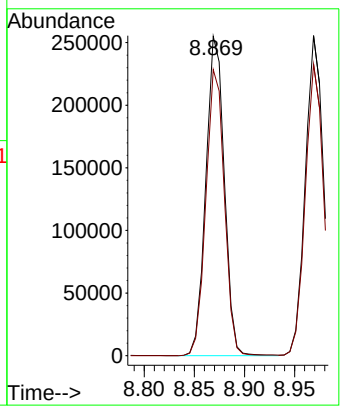


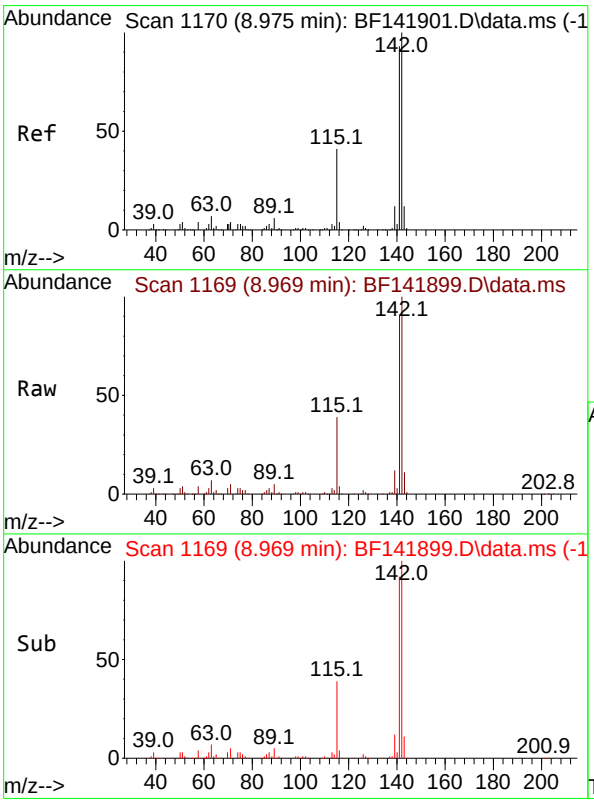
#37
2-Methylnaphthalene
Concen: 10.313 ng
RT: 8.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 326733

Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.2	106.8

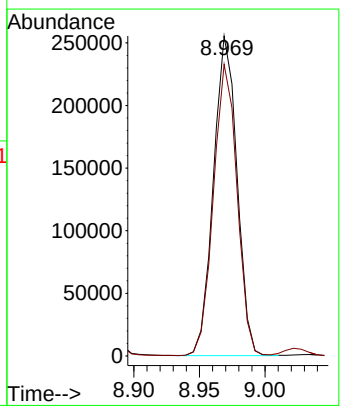


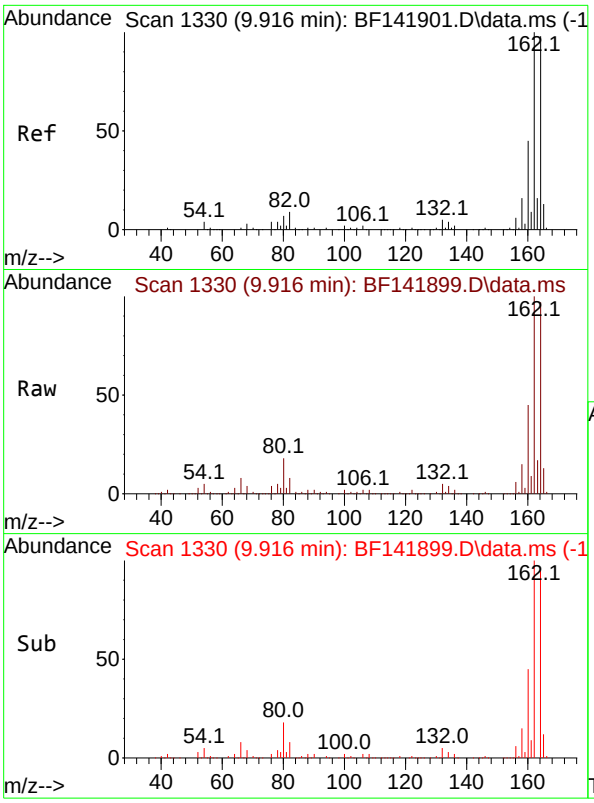


#38
1-Methylnaphthalene
Concen: 10.376 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:142 Resp: 318324

Ion	Ratio	Lower	Upper
142	100		
141	91.1	74.2	111.4



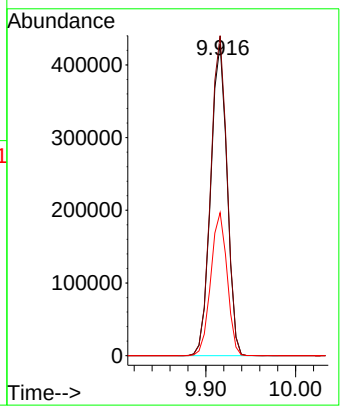


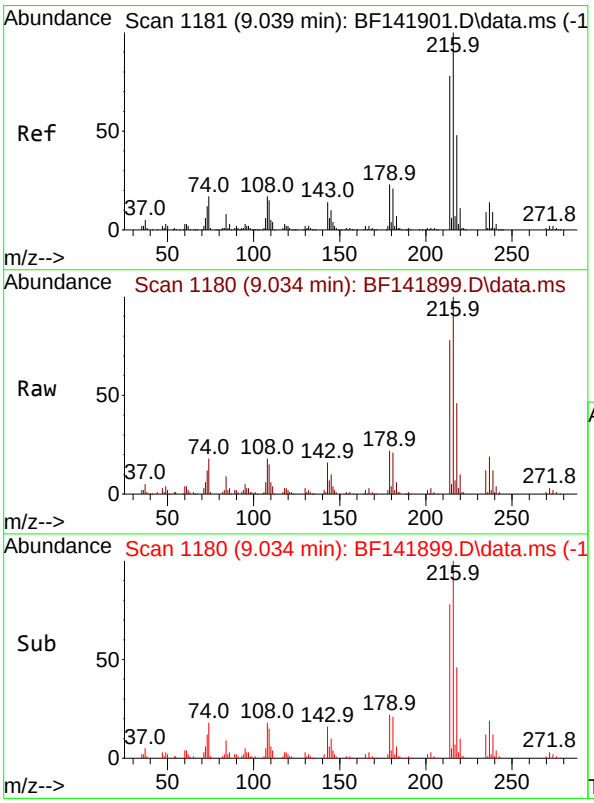
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 541295

Ion	Ratio	Lower	Upper
164	100		
162	102.7	81.8	122.6
160	45.9	36.7	55.1

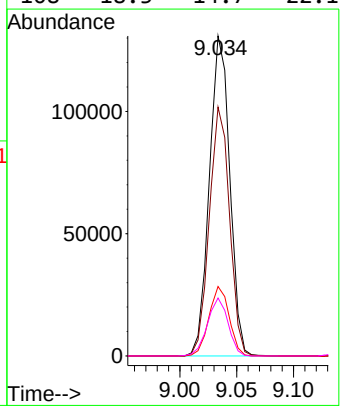


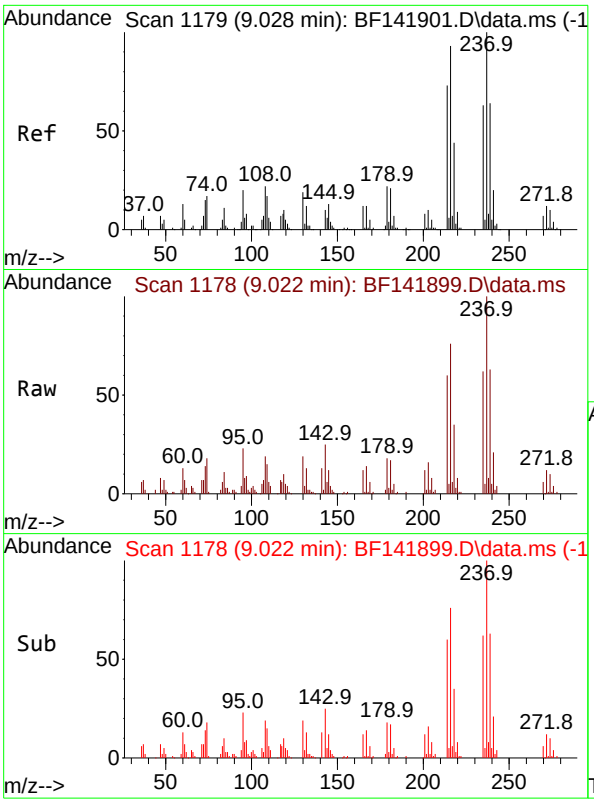


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.905 ng
RT: 9.034 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:216 Resp: 163481

Ion	Ratio	Lower	Upper
216	100		
214	77.1	61.9	92.9
179	21.5	18.1	27.1
108	18.3	14.7	22.1



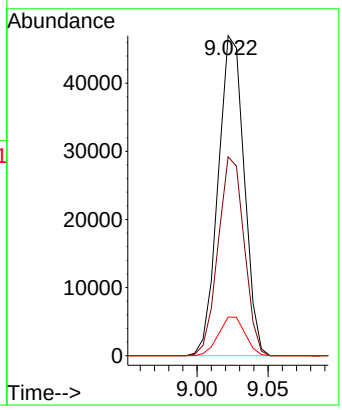


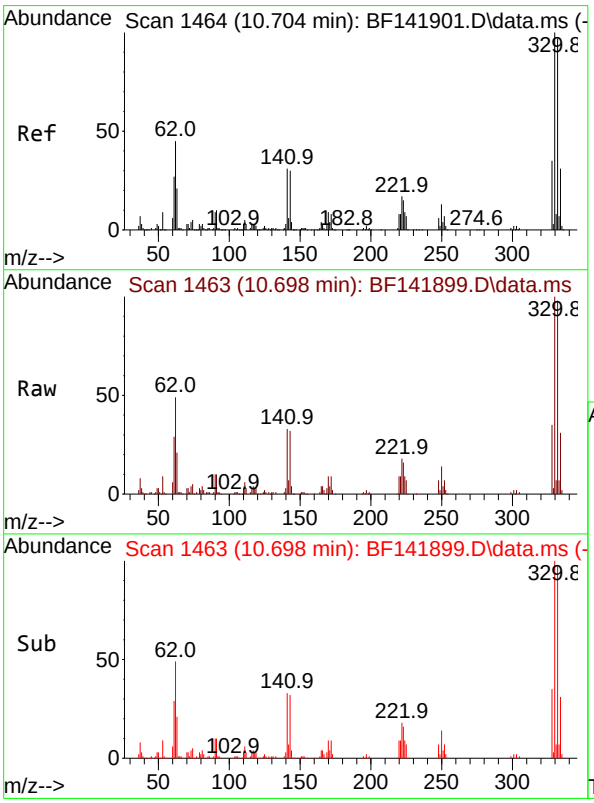
#41
Hexachlorocyclopentadiene
Concen: 9.177 ng
RT: 9.022 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 59769

Ion	Ratio	Lower	Upper
237	100		
235	62.1	43.1	83.1
272	12.0	0.0	32.0

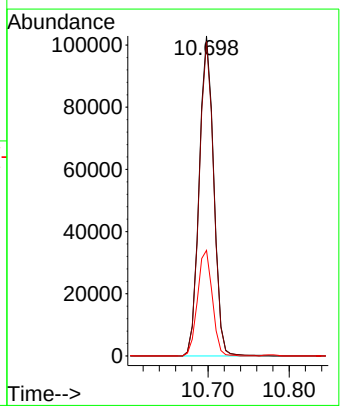


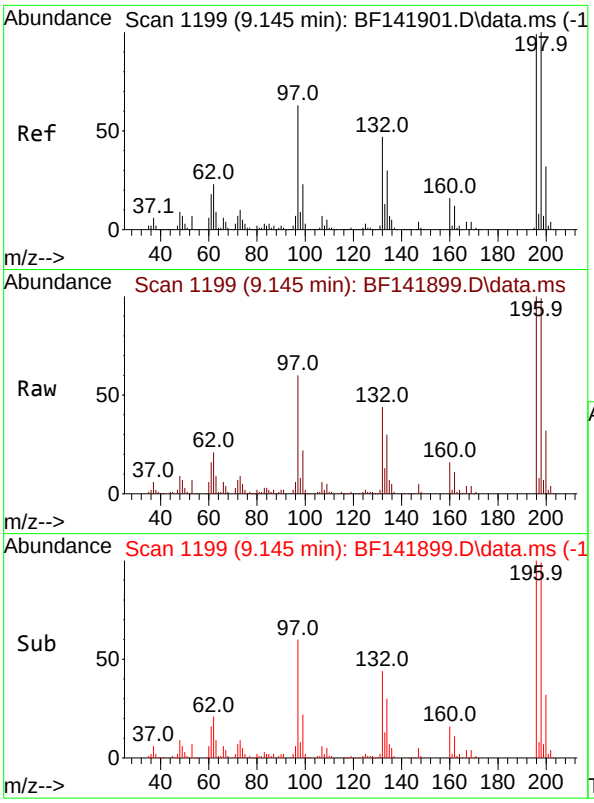


#42
2,4,6-Tribromophenol
Concen: 18.630 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:330 Resp: 127785

Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.6	116.4
141	33.6	24.7	37.1



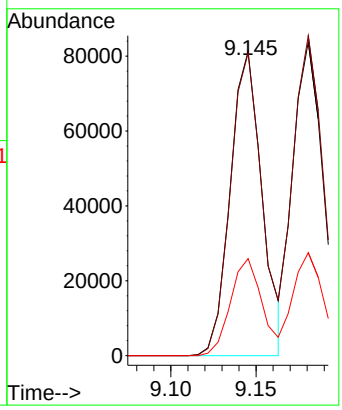


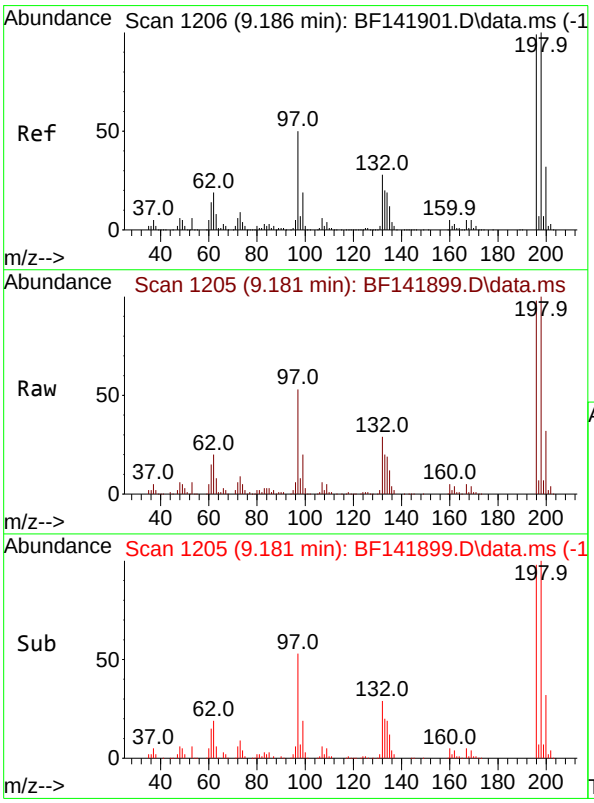
#43
2,4,6-Trichlorophenol
Concen: 9.777 ng
RT: 9.145 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 105191

Ion	Ratio	Lower	Upper
196	100		
198	99.4	80.6	121.0
200	31.9	25.8	38.6

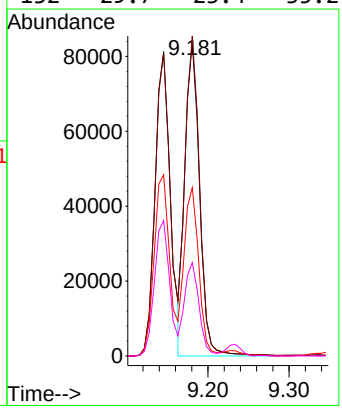


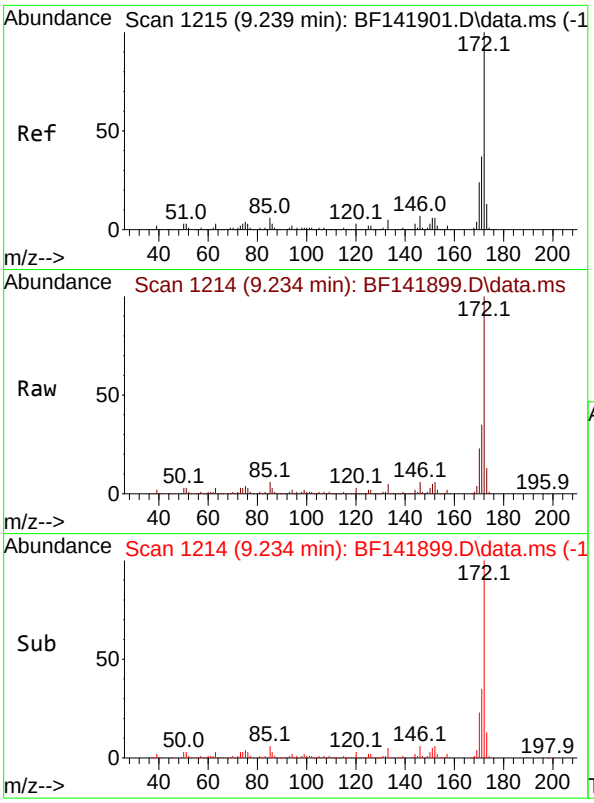


#44
2,4,5-Trichlorophenol
Concen: 9.692 ng
RT: 9.181 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:196 Resp: 105943

Ion	Ratio	Lower	Upper
196	100		
198	102.0	80.7	121.1
97	53.7	42.1	63.1
132	29.7	23.4	35.2



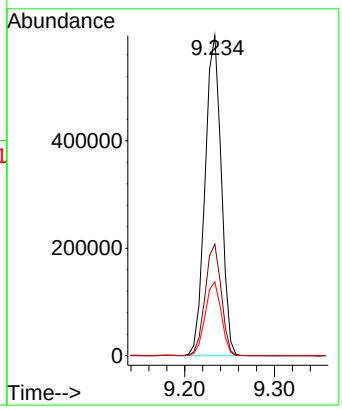


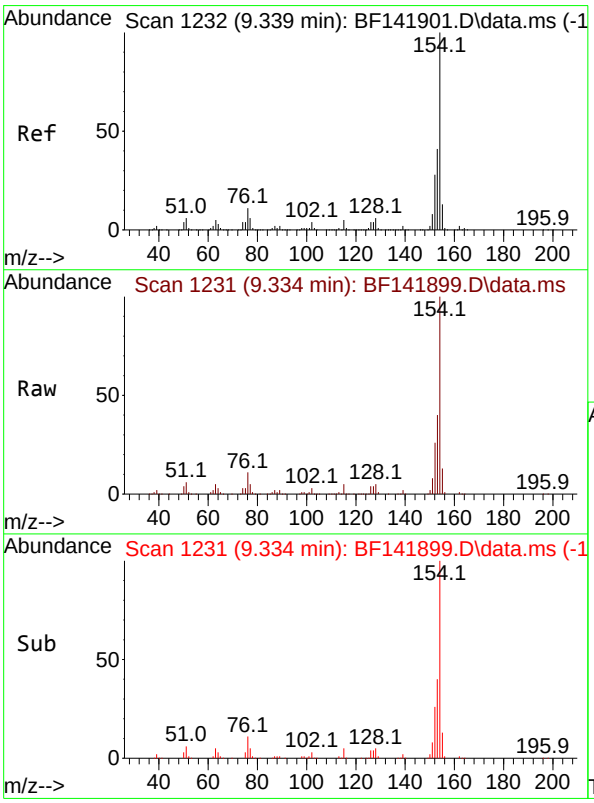
#45
2-Fluorobiphenyl
Concen: 21.003 ng
RT: 9.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 746589

Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.3	43.9
170	23.1	19.4	29.0

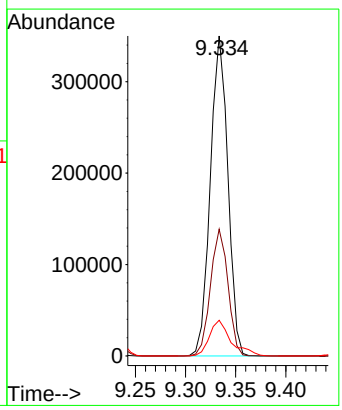


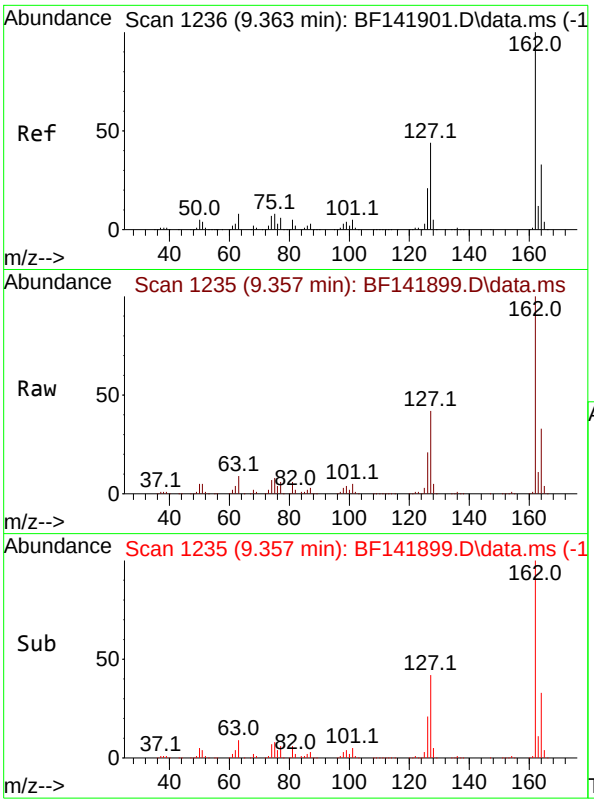


#46
1,1'-Biphenyl
Concen: 10.372 ng
RT: 9.334 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:154 Resp: 425640

Ion	Ratio	Lower	Upper
154	100		
153	39.6	21.1	61.1
76	11.1	0.0	31.3



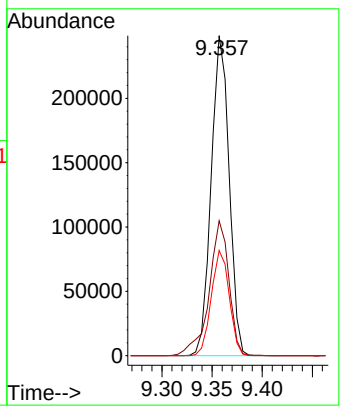


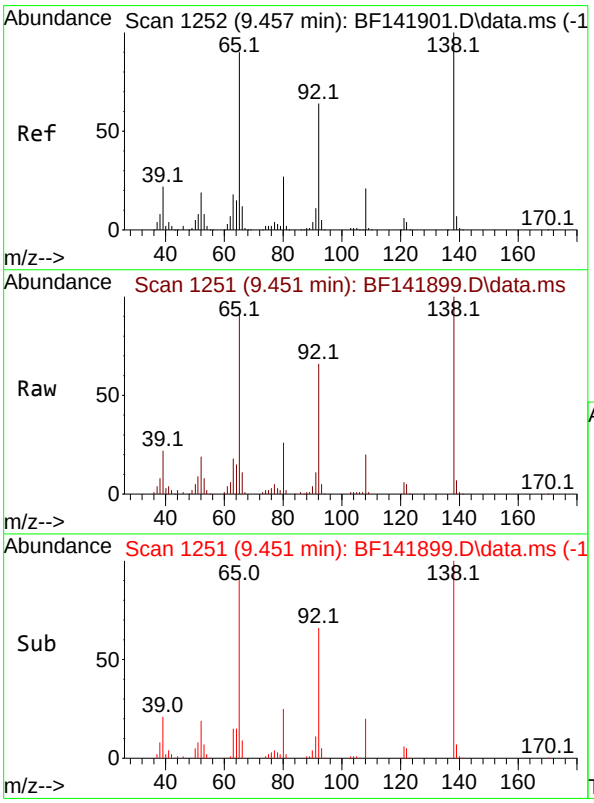
#47
2-Chloronaphthalene
Concen: 10.094 ng
RT: 9.357 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 308729

Ion	Ratio	Lower	Upper
162	100		
127	42.1	35.5	53.3
164	32.9	26.6	40.0

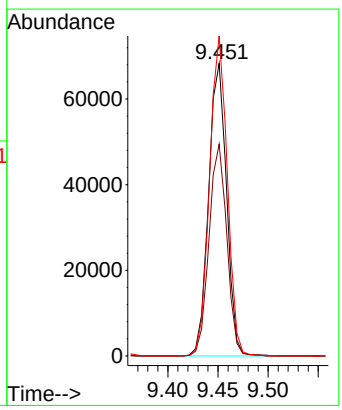


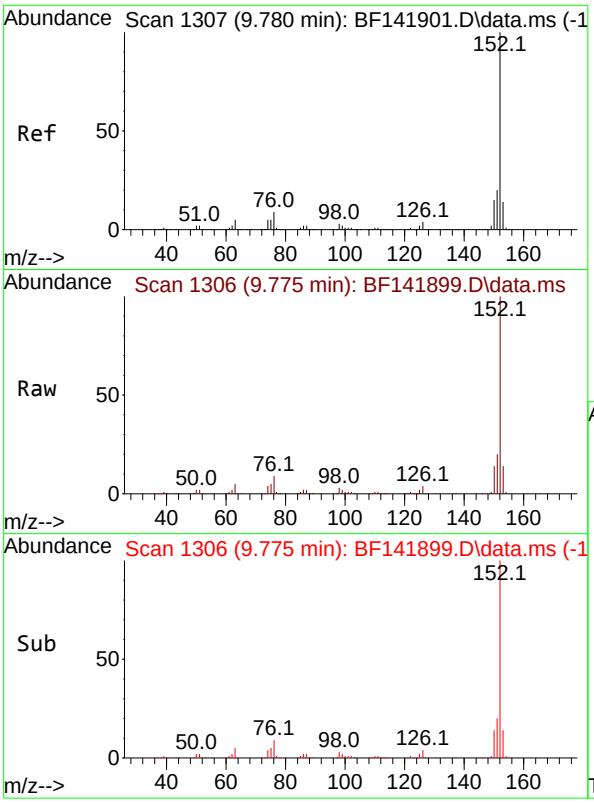


#48
2-Nitroaniline
Concen: 9.658 ng
RT: 9.451 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 65 Resp: 84854

Ion	Ratio	Lower	Upper
65	100		
92	72.5	56.6	84.8
138	109.4	88.6	133.0



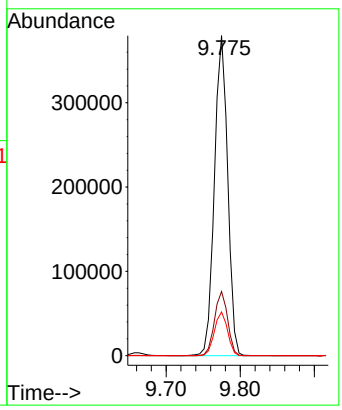


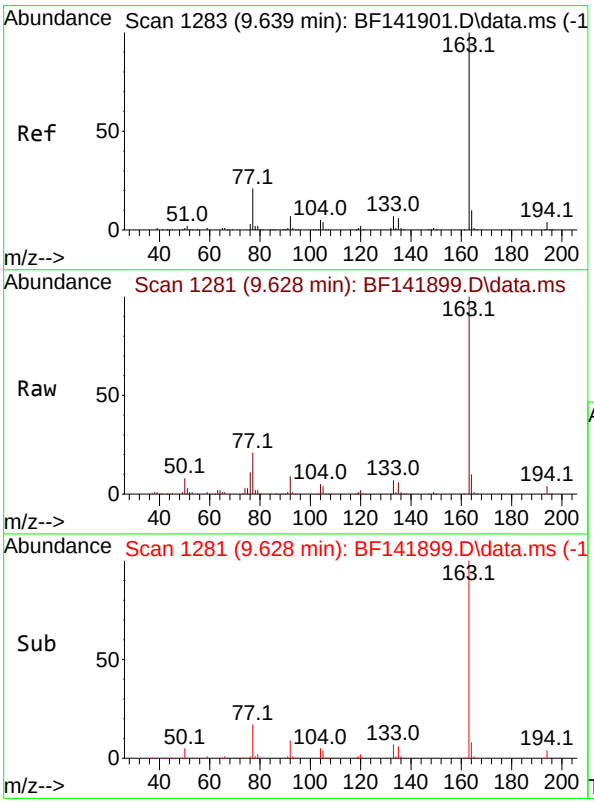
#49
Acenaphthylene
Concen: 10.383 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 470801

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	13.7	11.1	16.7

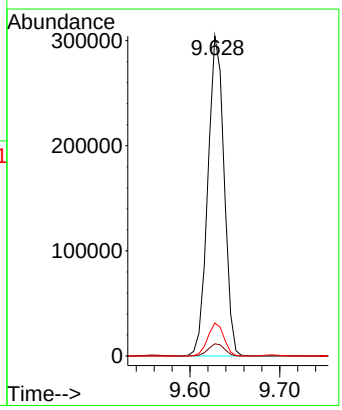


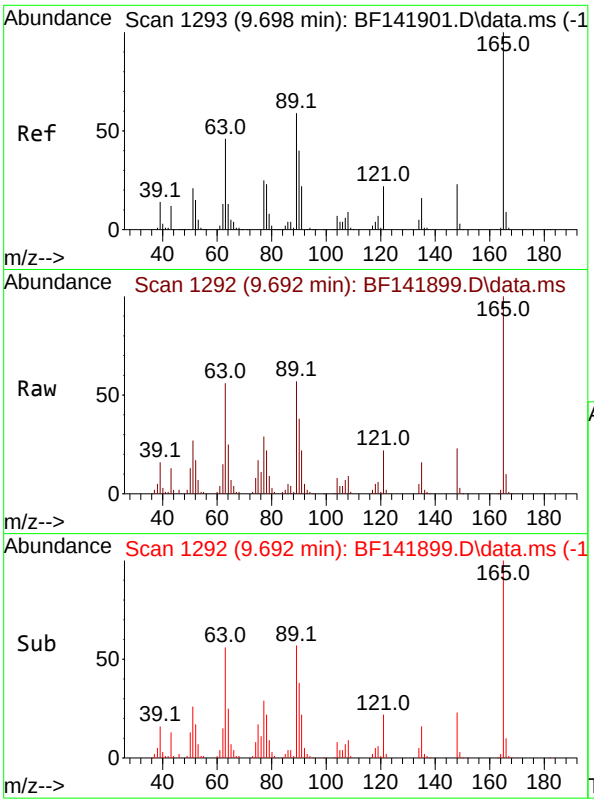


#50
Dimethylphthalate
Concen: 10.176 ng
RT: 9.628 min Scan# 1281
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:163 Resp: 382722

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.3	8.2	12.4



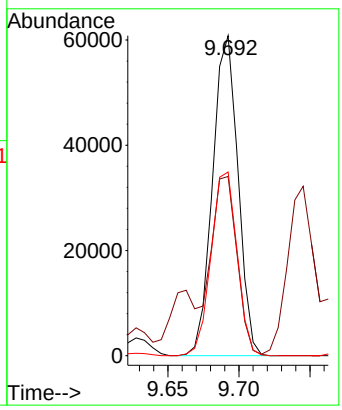


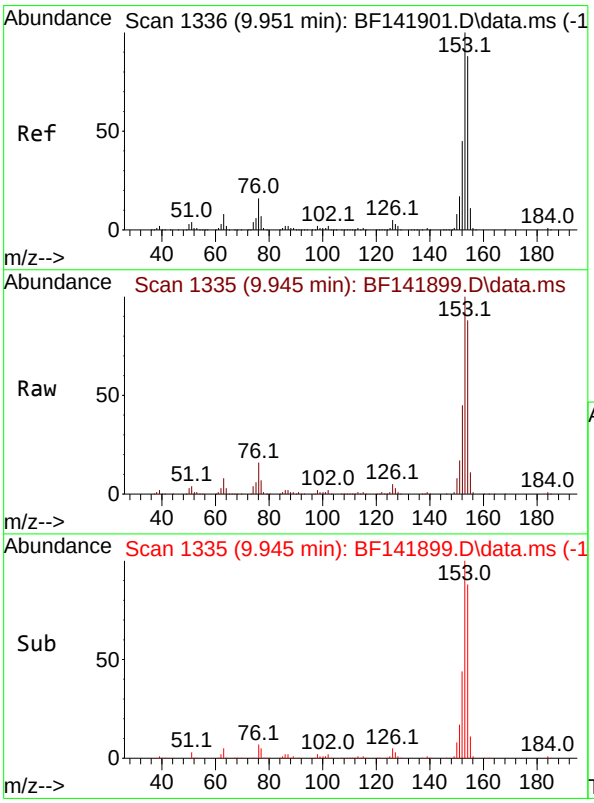
#51
2,6-Dinitrotoluene
Concen: 9.663 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 75577

Ion	Ratio	Lower	Upper
165	100		
63	56.0	47.0	70.4
89	57.4	47.4	71.2

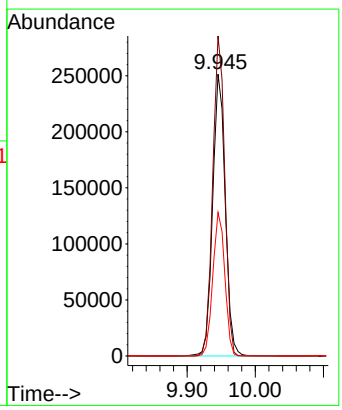


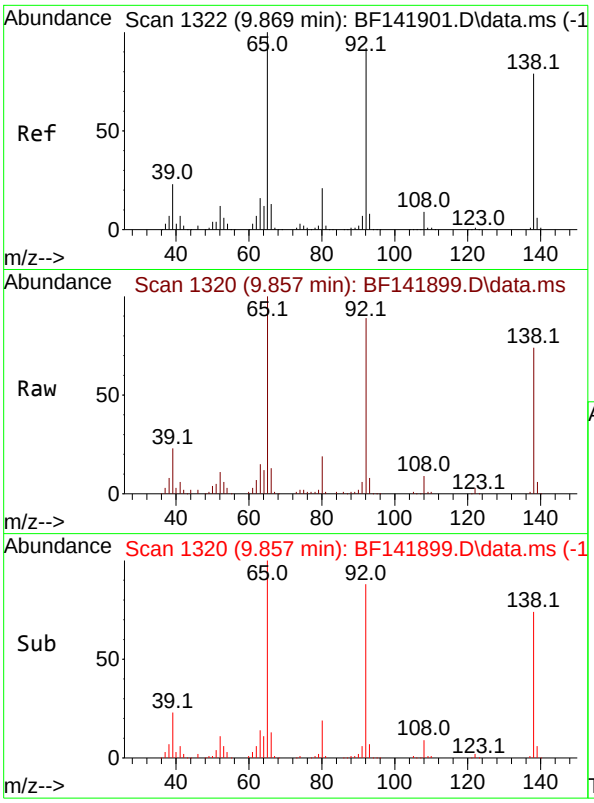


#52
Acenaphthene
Concen: 10.101 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:154 Resp: 323406

Ion	Ratio	Lower	Upper
154	100		
153	113.6	90.7	136.1
152	50.9	41.1	61.7



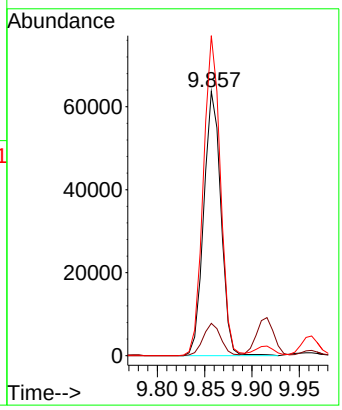


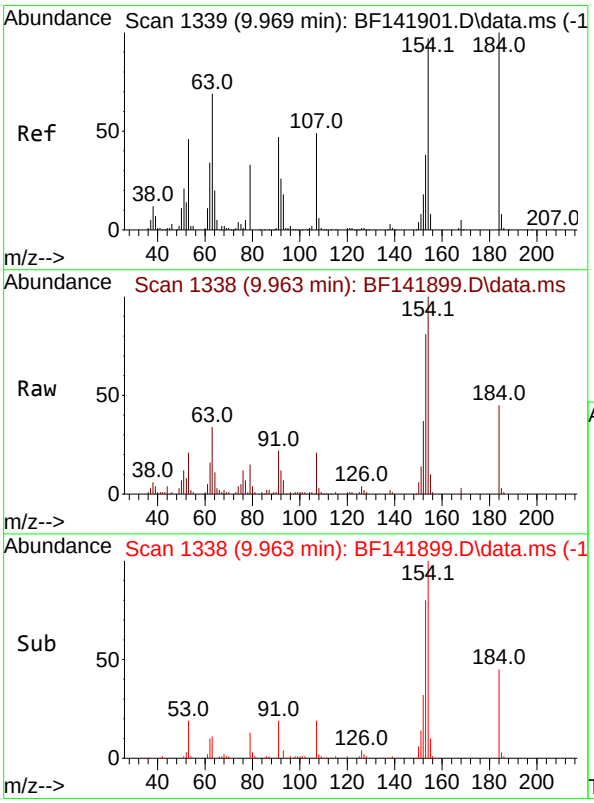
#53
3-Nitroaniline
Concen: 9.955 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 79944

Ion	Ratio	Lower	Upper
138	100		
108	12.2	9.3	13.9
92	121.1	93.5	140.3

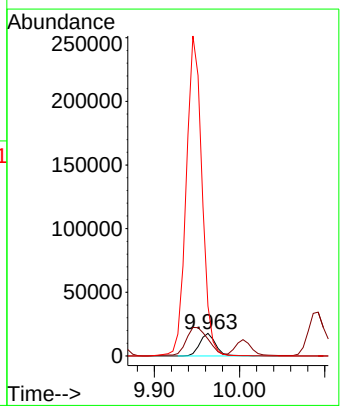


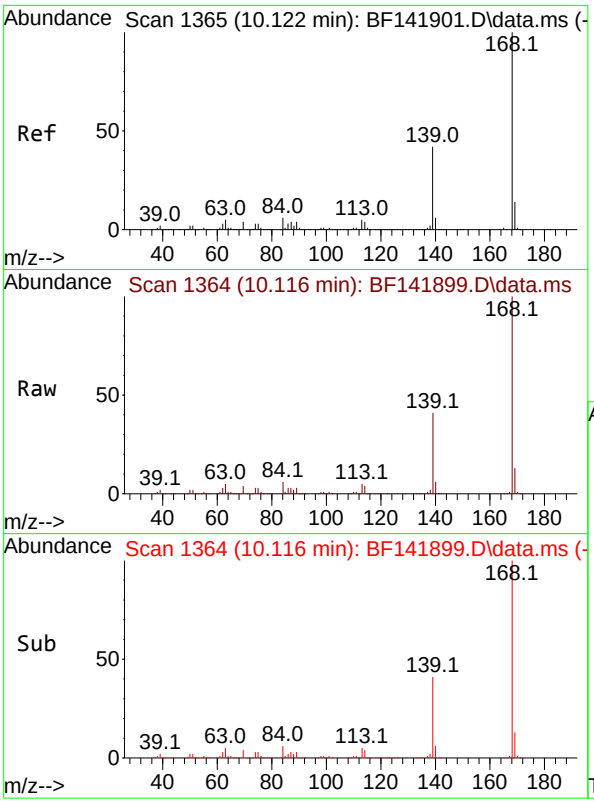


#54
2,4-Dinitrophenol
Concen: 11.386 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:184 Resp: 23121

Ion	Ratio	Lower	Upper
184	100		
63	75.2	60.2	90.4
154	222.1	132.9	199.3#



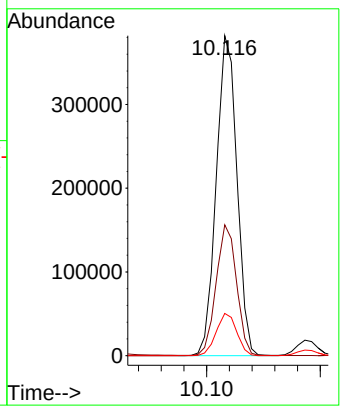


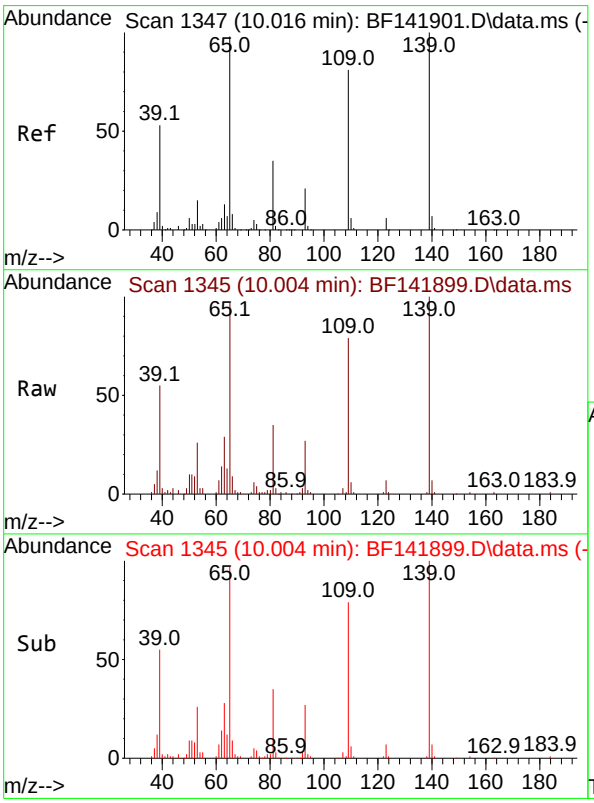
#55
Dibenzofuran
Concen: 10.593 ng
RT: 10.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 483596

Ion	Ratio	Lower	Upper
168	100		
139	40.9	33.9	50.9
169	13.2	11.0	16.4

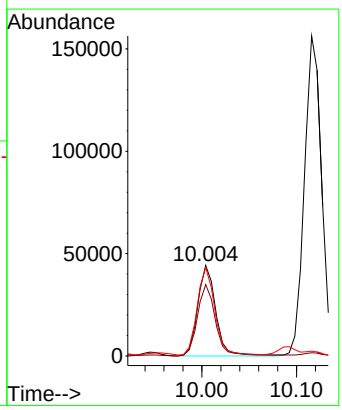


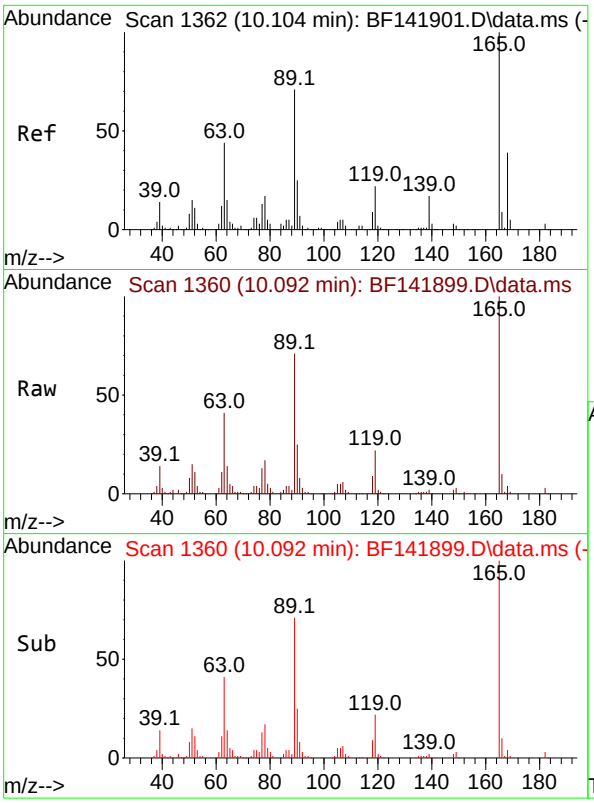


#56
4-Nitrophenol
Concen: 9.706 ng
RT: 10.004 min Scan# 1345
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:139 Resp: 58549

Ion	Ratio	Lower	Upper
139	100		
109	78.8	61.6	101.6
65	97.5	79.4	119.4



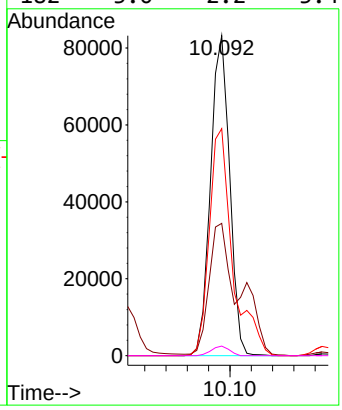


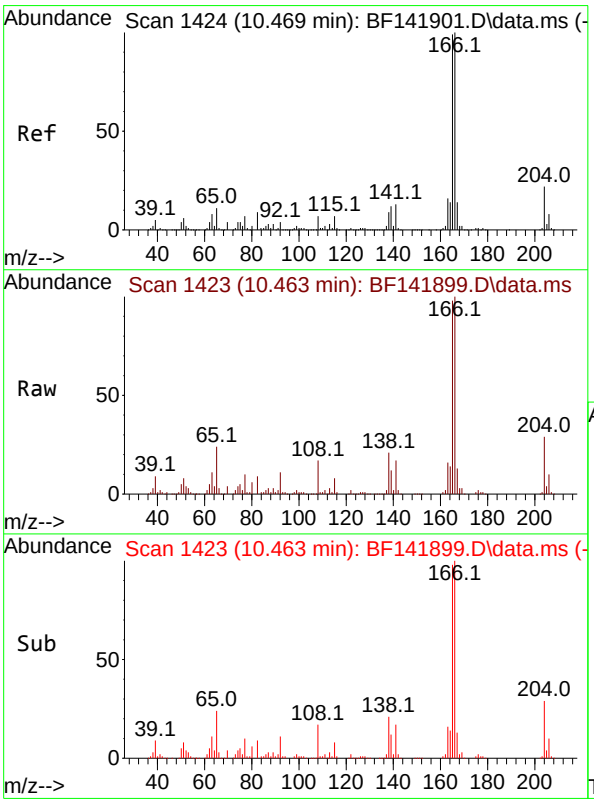
#57
2,4-Dinitrotoluene
Concen: 10.035 ng
RT: 10.092 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 103313

Ion	Ratio	Lower	Upper
165	100		
63	41.3	35.4	53.2
89	70.9	56.6	84.8
182	3.0	2.2	3.4

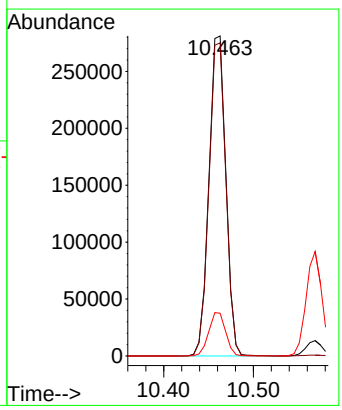


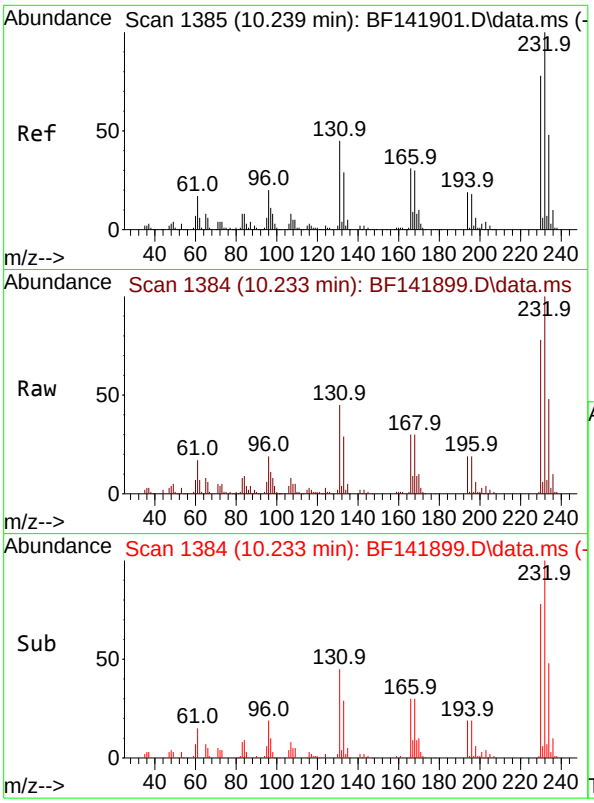


#58
Fluorene
Concen: 10.452 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:166 Resp: 368370

Ion	Ratio	Lower	Upper
166	100		
165	97.8	79.0	118.4
167	13.3	11.0	16.4



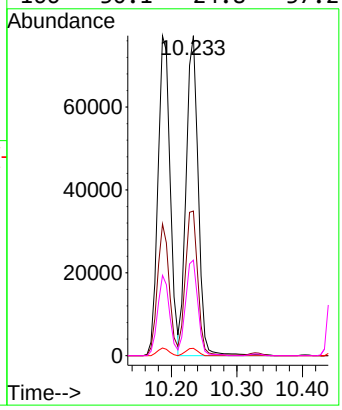


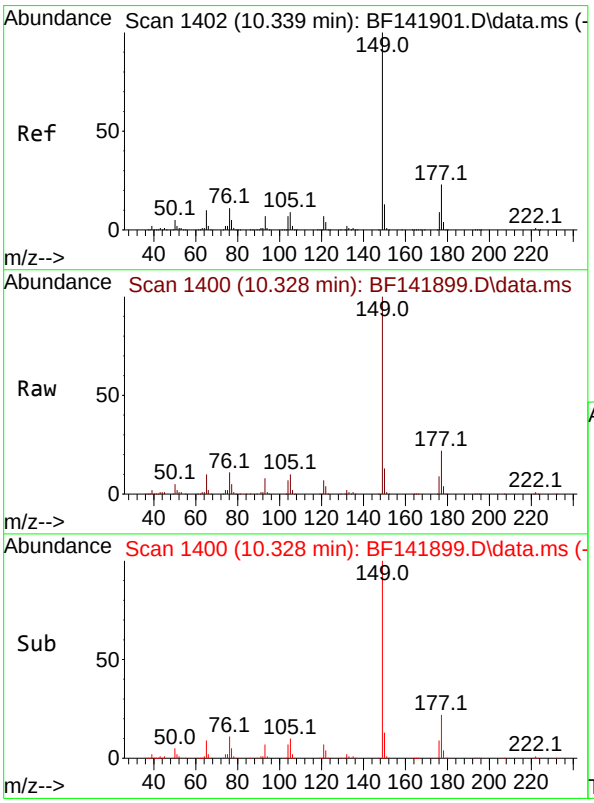
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.954 ng
RT: 10.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 98725

Ion	Ratio	Lower	Upper
232	100		
131	46.2	37.3	55.9
130	2.3	1.9	2.9
166	30.1	24.8	37.2

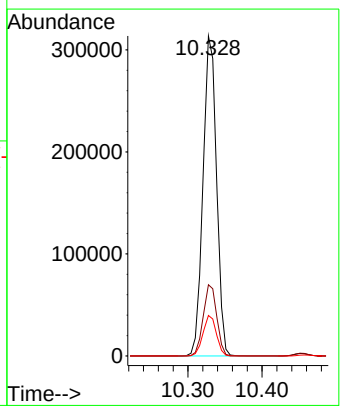


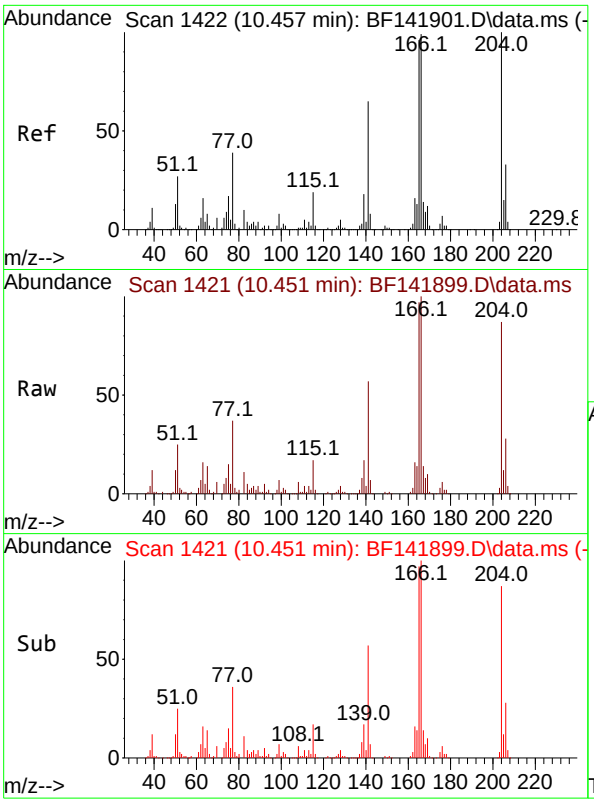


#60
Diethylphthalate
Concen: 10.542 ng
RT: 10.328 min Scan# 1400
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:149 Resp: 398003

Ion	Ratio	Lower	Upper
149	100		
177	22.2	18.0	27.0
150	12.7	10.2	15.4



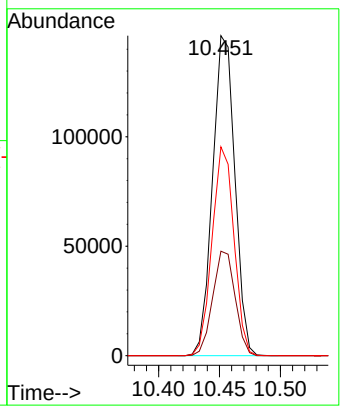


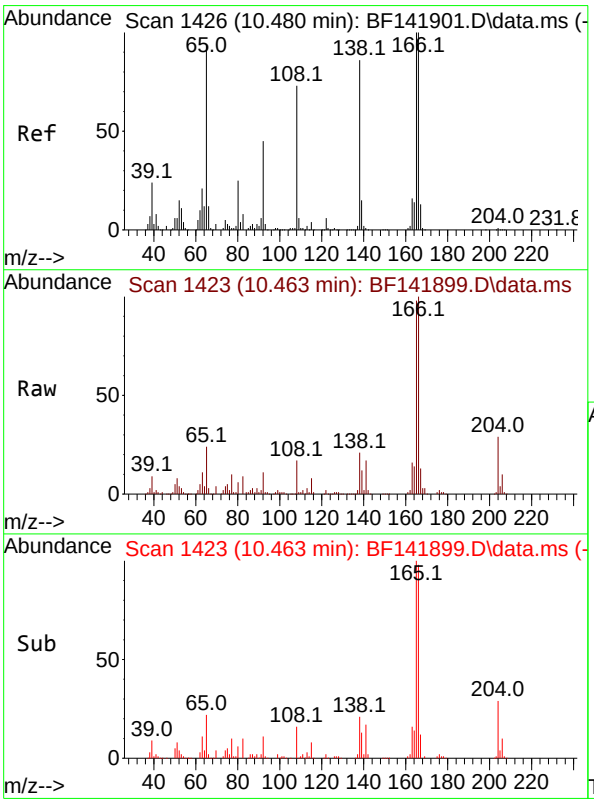
#61
4-Chlorophenyl-phenylether
Concen: 10.145 ng
RT: 10.451 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 186237

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.8	40.2
141	65.3	52.4	78.6

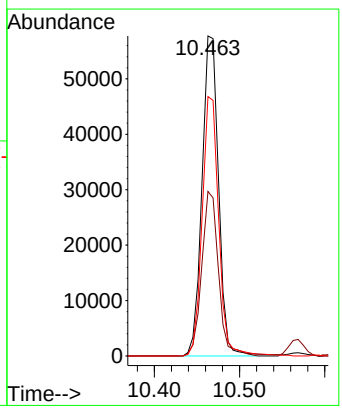


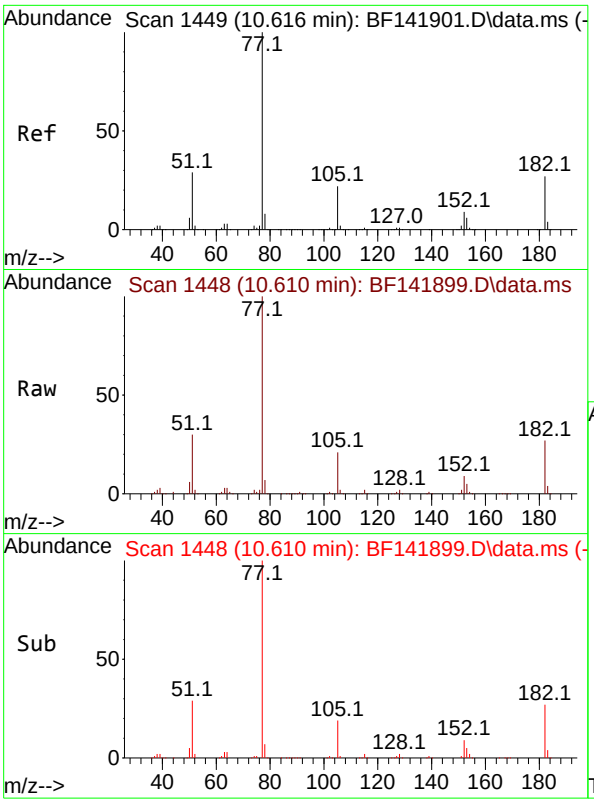


#62
4-Nitroaniline
Concen: 10.030 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.017 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:138 Resp: 78048

Ion	Ratio	Lower	Upper
138	100		
92	51.4	32.6	72.6
108	81.1	65.0	105.0



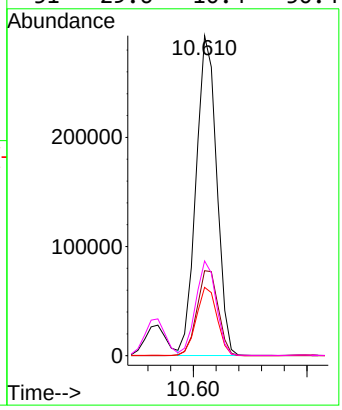


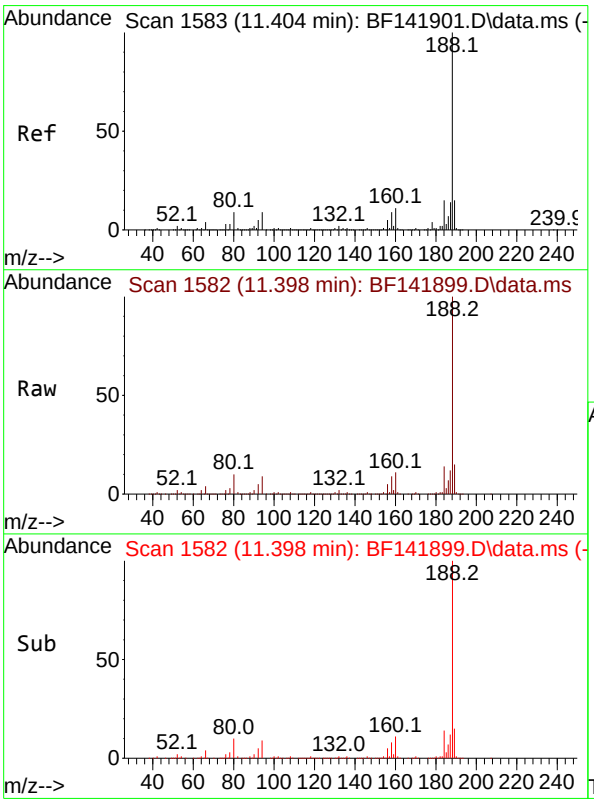
#63
Azobenzene
Concen: 10.521 ng
RT: 10.610 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 368982

Ion	Ratio	Lower	Upper
77	100		
182	26.6	6.6	46.6
105	21.3	1.3	41.3
51	29.6	10.4	50.4

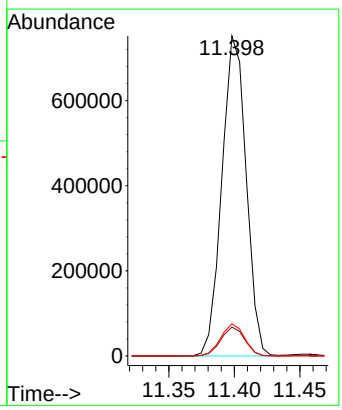


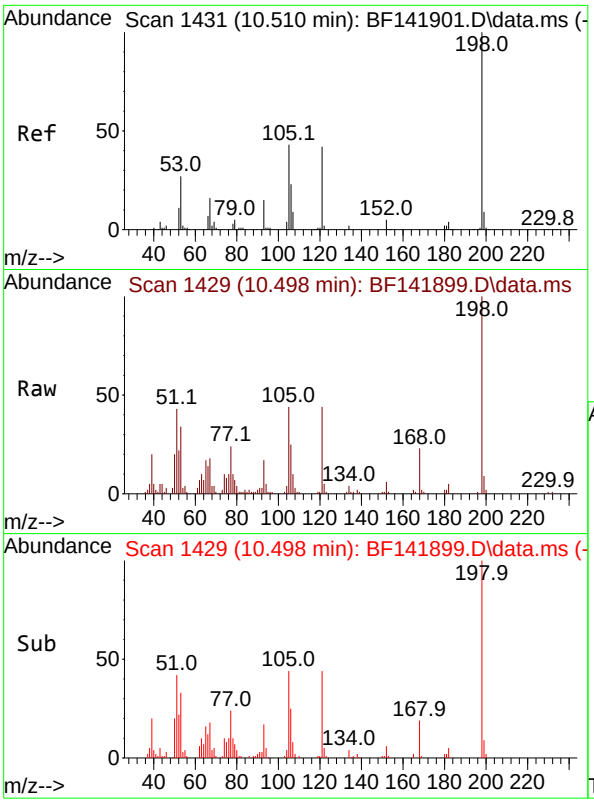


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:188 Resp: 966771

Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.8	10.2
80	10.0	7.6	11.4



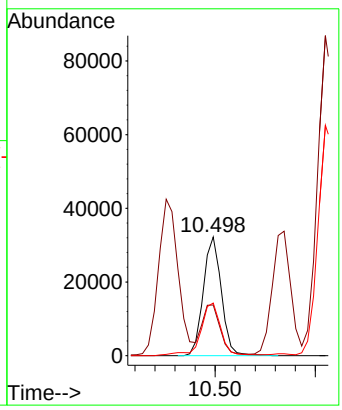


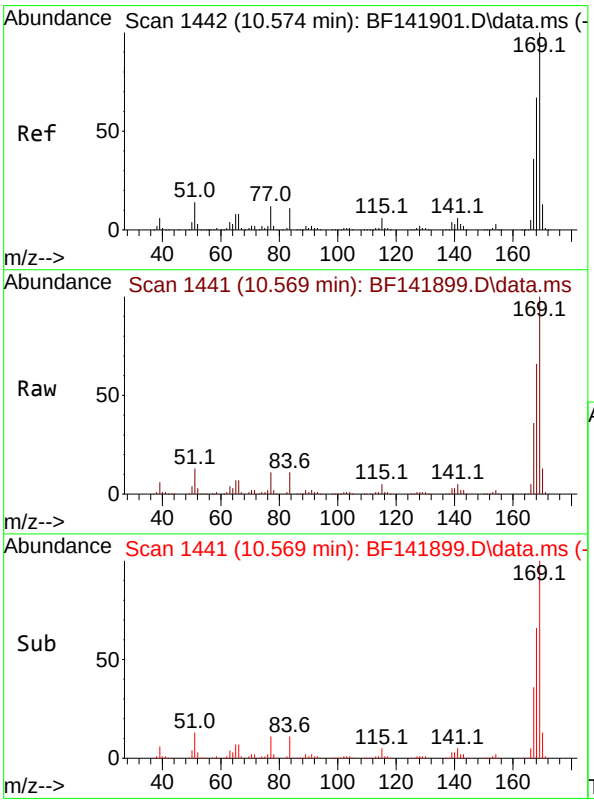
#65
4,6-Dinitro-2-methylphenol
Concen: 7.040 ng
RT: 10.498 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 40348

Ion	Ratio	Lower	Upper
198	100		
51	42.7	22.3	62.3
105	44.3	23.0	63.0

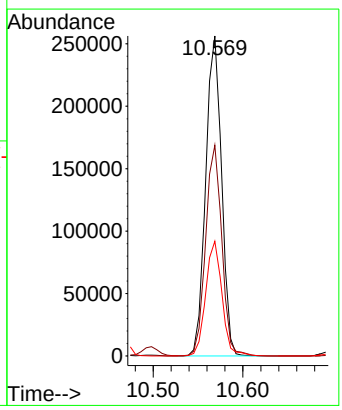


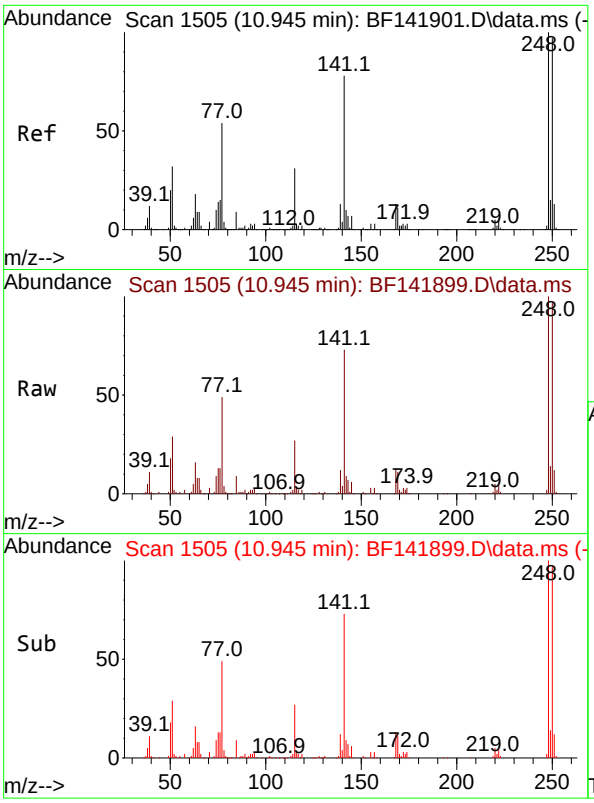


#66
n-Nitrosodiphenylamine
Concen: 10.078 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:169 Resp: 314758

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.7	80.5
167	35.8	29.2	43.8



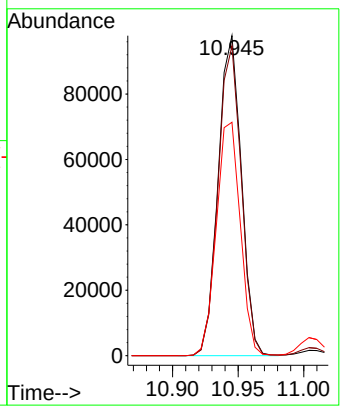


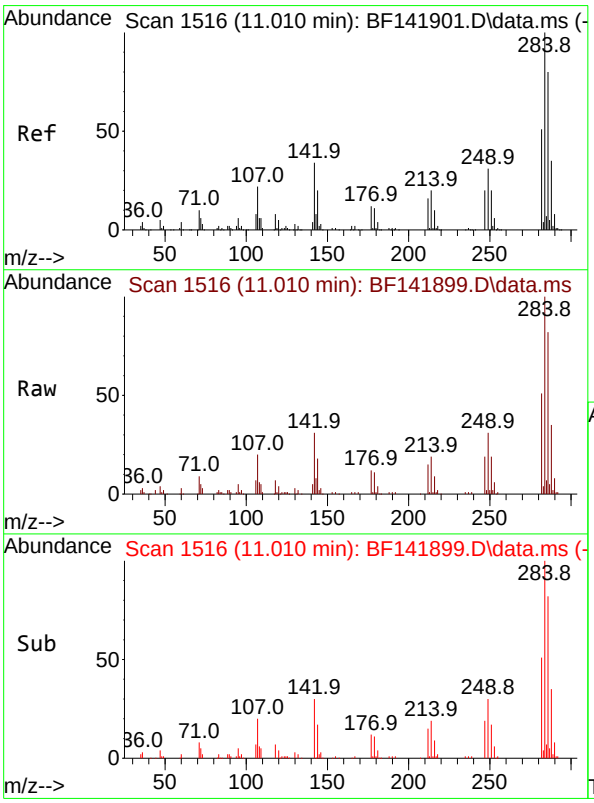
#67
4-Bromophenyl-phenylether
Concen: 10.011 ng
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 120534

Ion	Ratio	Lower	Upper
248	100		
250	96.8	77.8	116.8
141	72.9	62.6	93.8

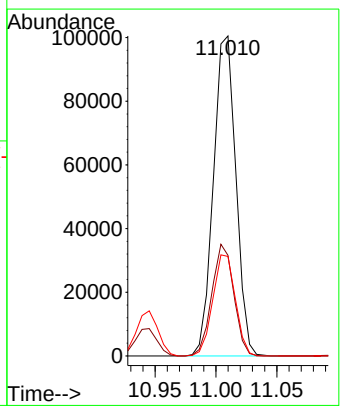


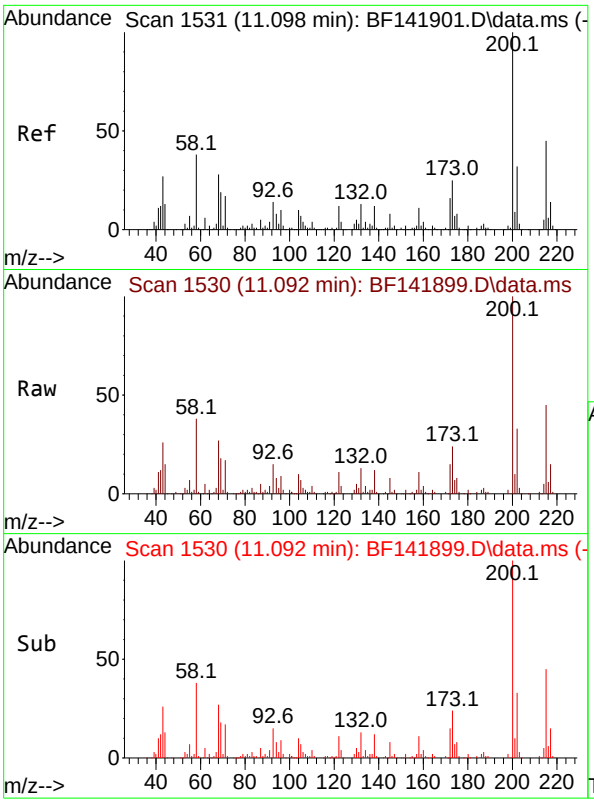


#68
Hexachlorobenzene
Concen: 9.712 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:284 Resp: 129242

Ion	Ratio	Lower	Upper
284	100		
142	31.4	27.0	40.6
249	31.1	25.2	37.8



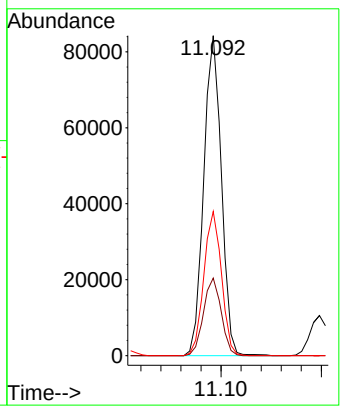


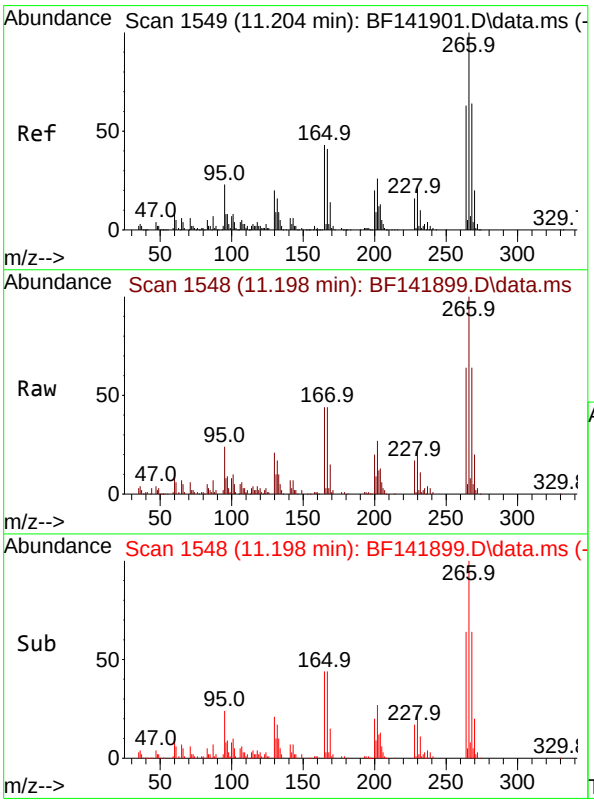
#69
Atrazine
Concen: 13.502 ng
RT: 11.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 102822

Ion	Ratio	Lower	Upper
200	100		
173	24.3	4.7	44.7
215	45.0	25.4	65.4

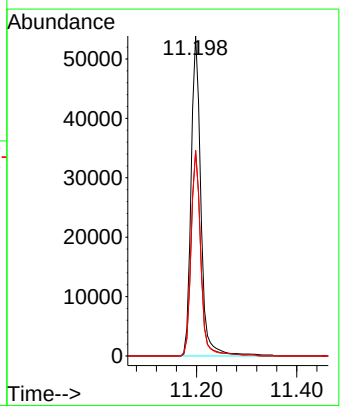


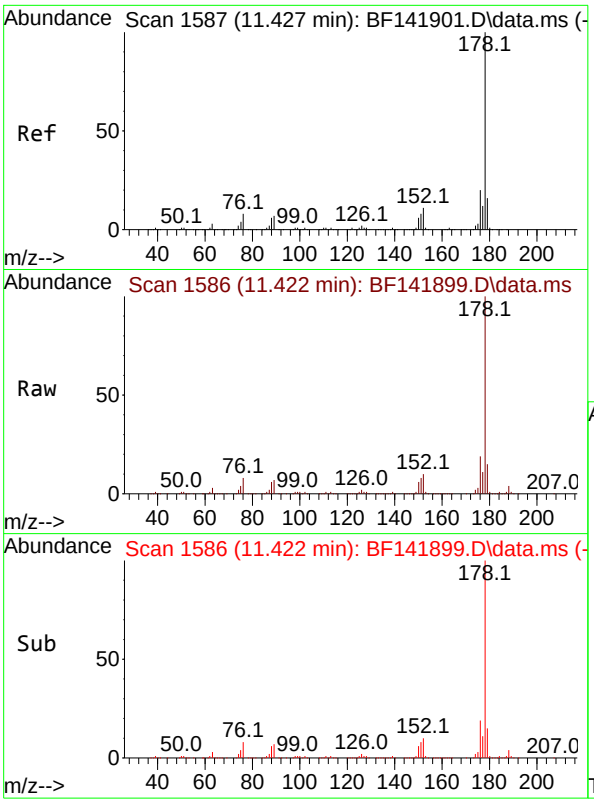


#70
Pentachlorophenol
Concen: 8.909 ng
RT: 11.198 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:266 Resp: 73112

Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.0	76.6
264	64.3	50.2	75.2



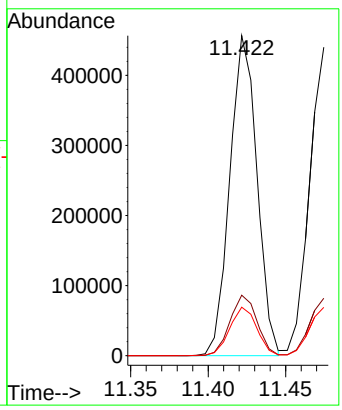


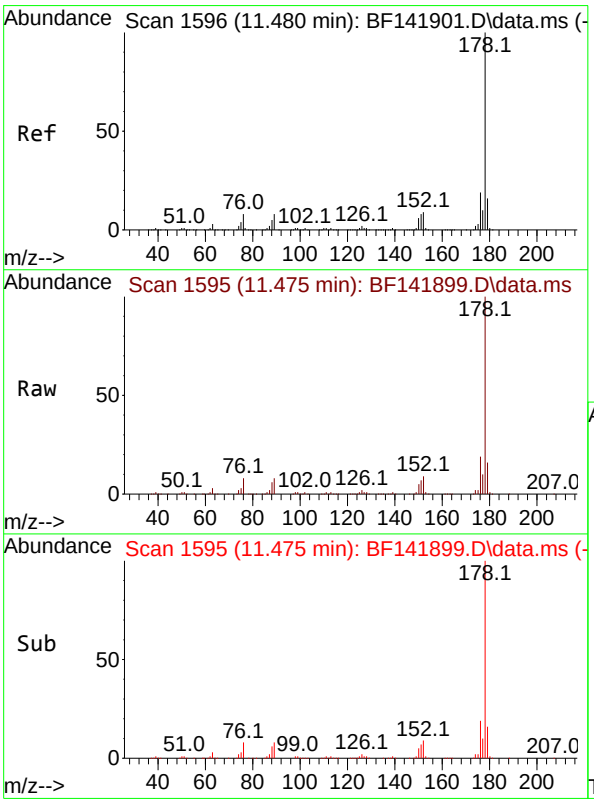
#71
Phenanthrene
Concen: 10.646 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 556546

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.2	12.6	19.0

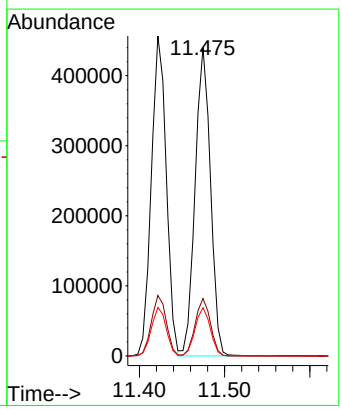


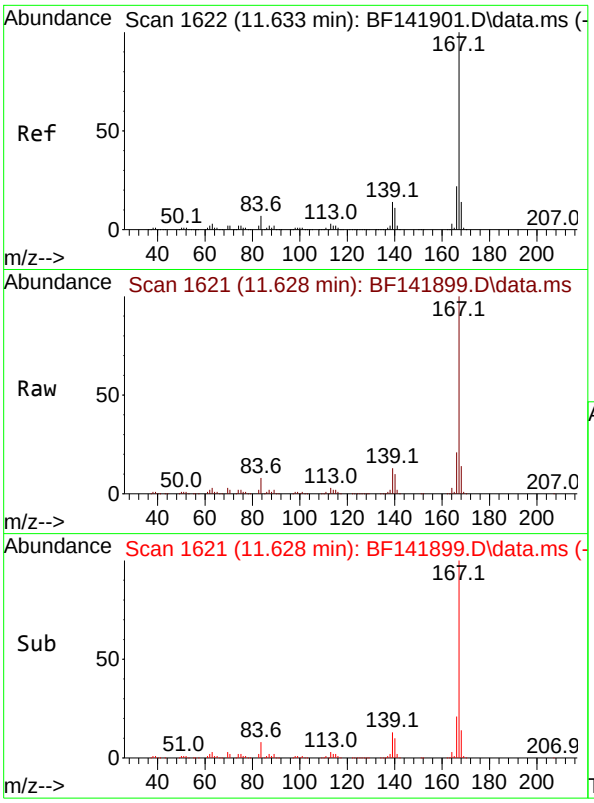


#72
Anthracene
Concen: 10.501 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:178 Resp: 550767

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	15.7	12.6	19.0



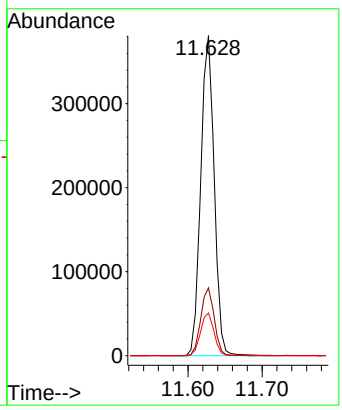


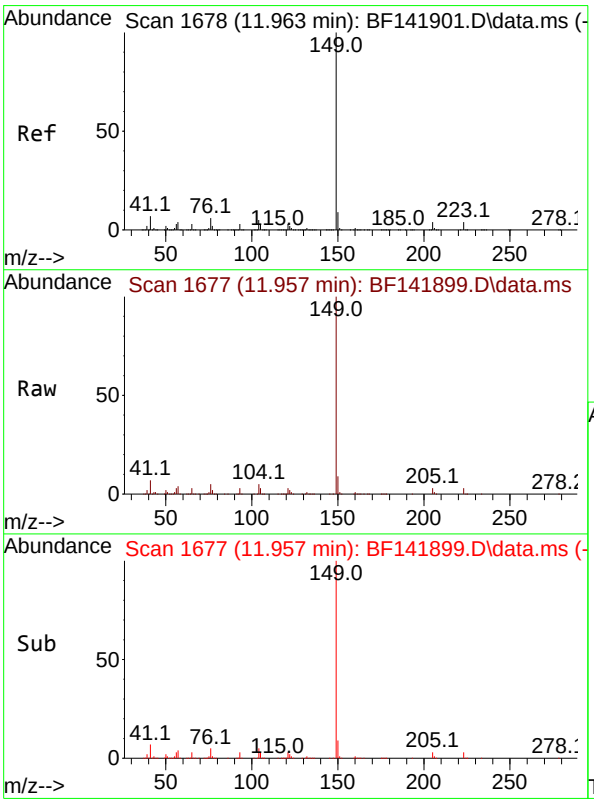
#73
Carbazole
Concen: 10.641 ng
RT: 11.628 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 480520

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.4	26.2
139	13.3	11.0	16.6

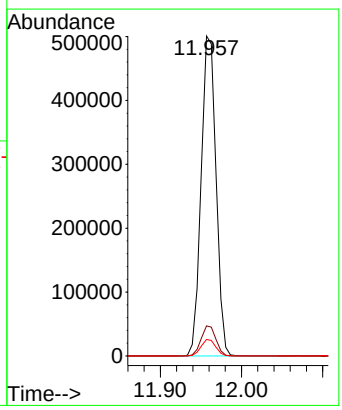


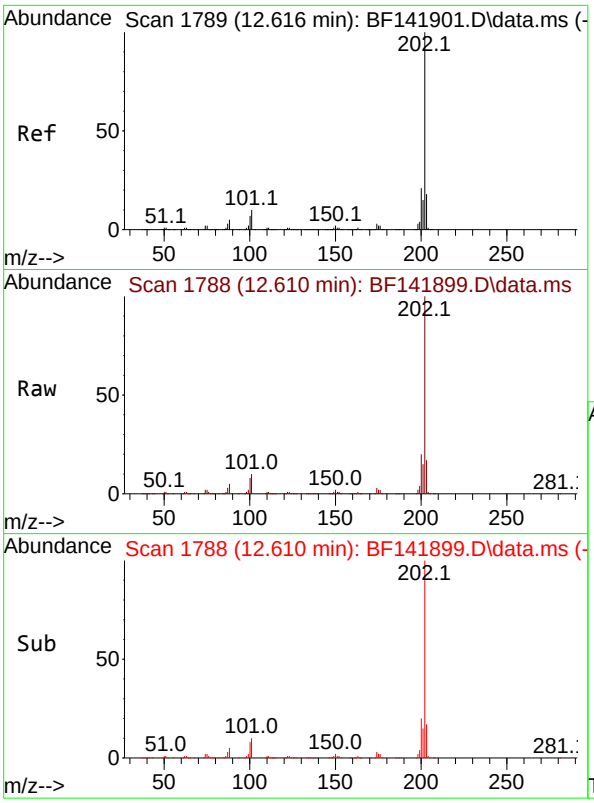


#74
Di-n-butylphthalate
Concen: 10.708 ng
RT: 11.957 min Scan# 1677
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:149 Resp: 638429

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.6	11.4
104	5.2	4.4	6.6



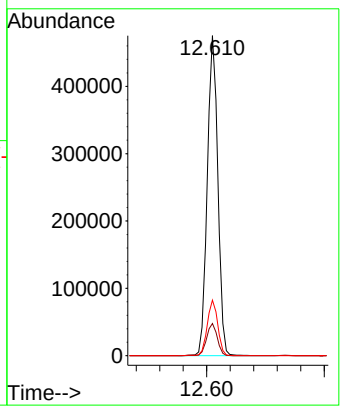


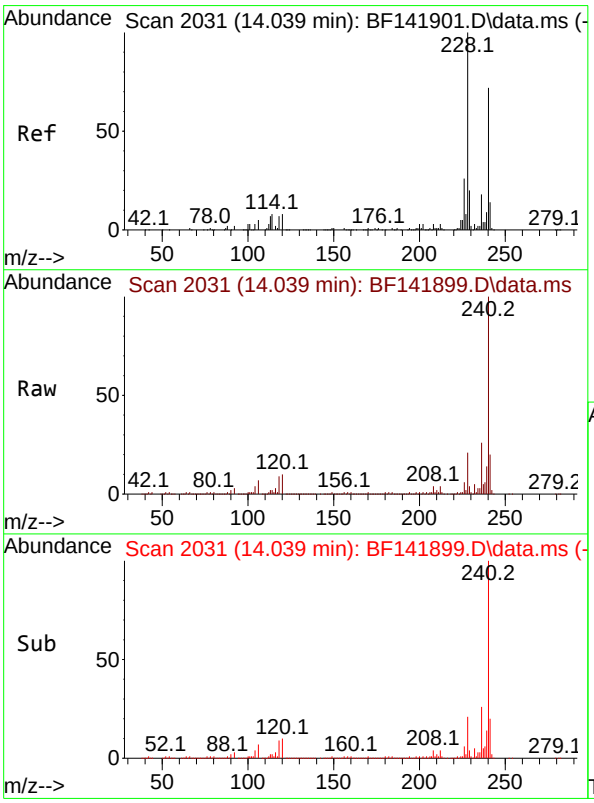
#75
Fluoranthene
Concen: 10.801 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 592806

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	29.7
203	17.4	0.0	37.8

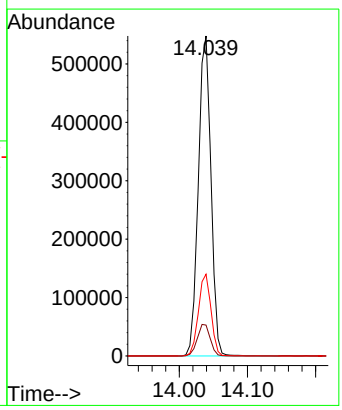


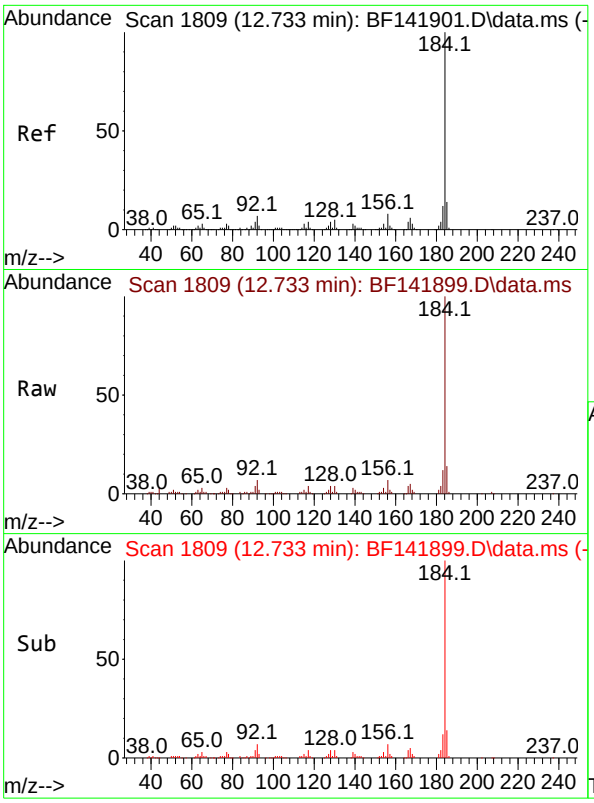


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:240 Resp: 703100

Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.4	12.6
236	25.5	20.5	30.7



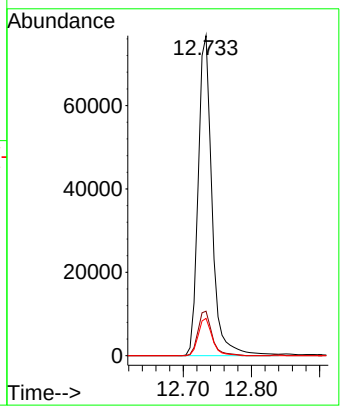


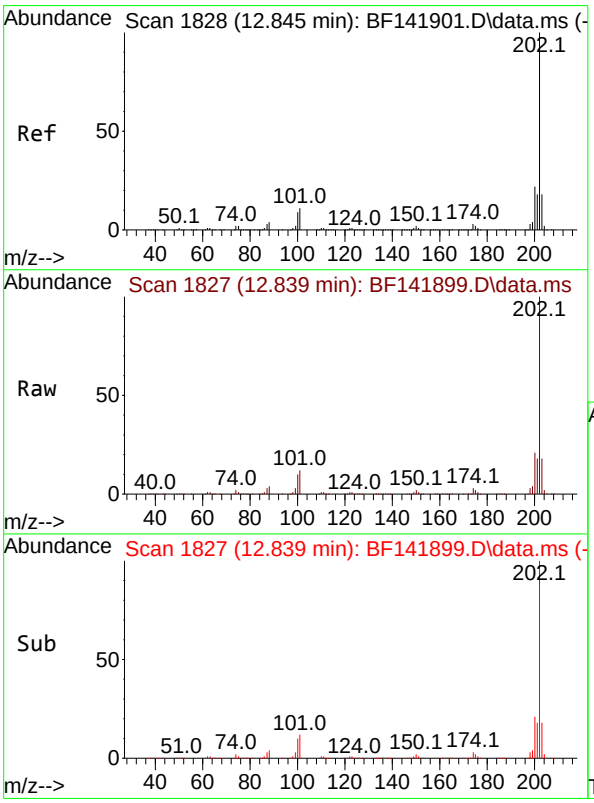
#77
Benzidine
Concen: 10.946 ng
RT: 12.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 108761

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.5	17.3
183	11.6	9.7	14.5

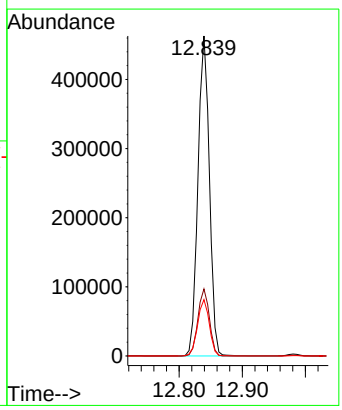


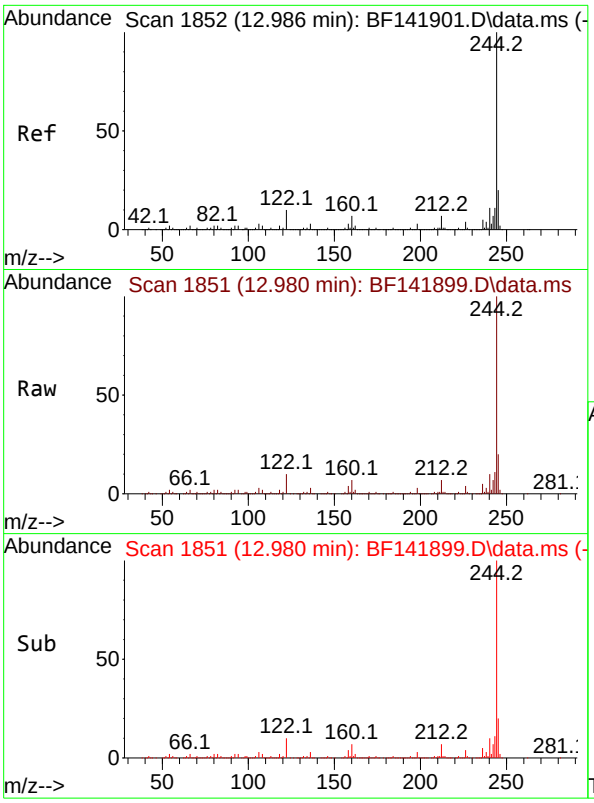


#78
Pyrene
Concen: 9.626 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:202 Resp: 580442

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.3	25.9
203	17.6	14.4	21.6



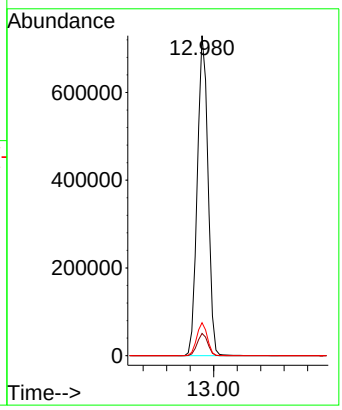


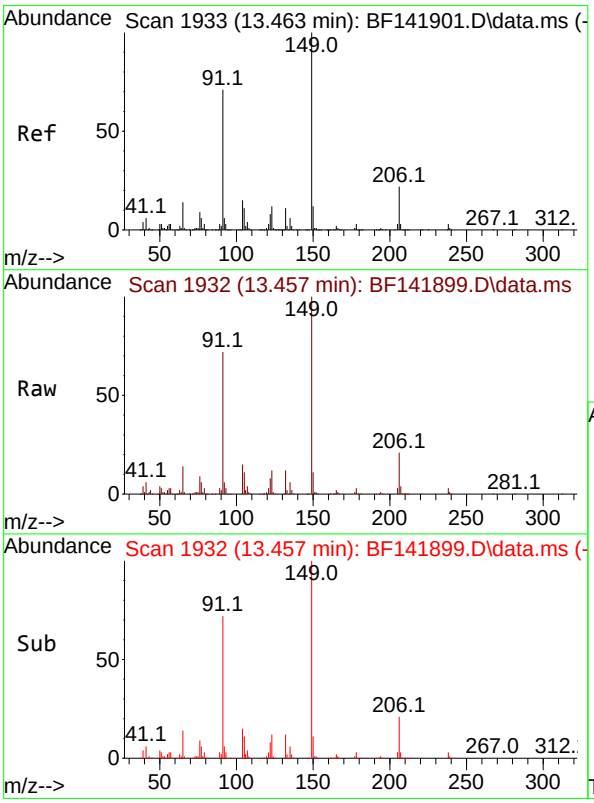
#79
Terphenyl-d14
Concen: 19.345 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 920159

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	10.3	7.7	11.5

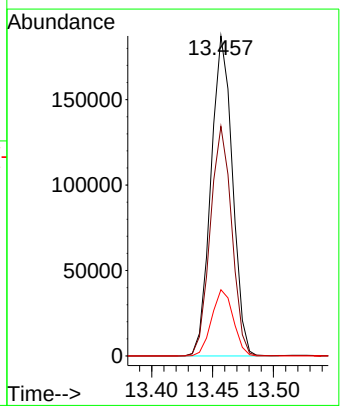


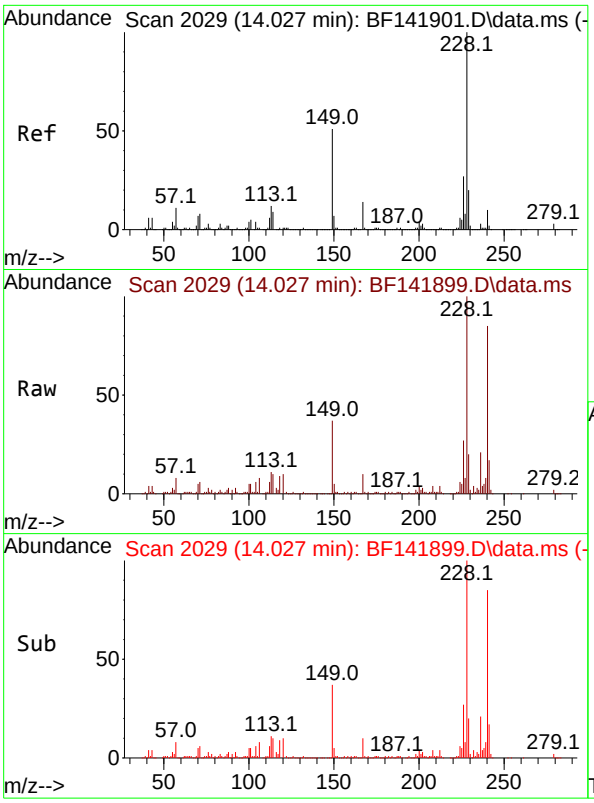


#80
Butylbenzylphthalate
Concen: 9.710 ng
RT: 13.457 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:149 Resp: 230714

Ion	Ratio	Lower	Upper
149	100		
91	71.8	56.5	84.7
206	20.7	17.3	25.9



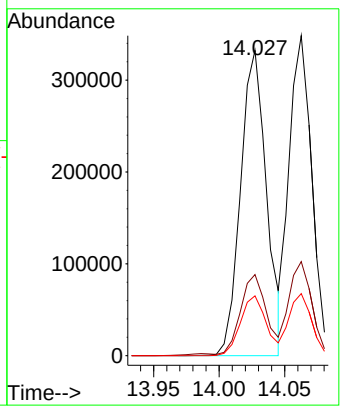


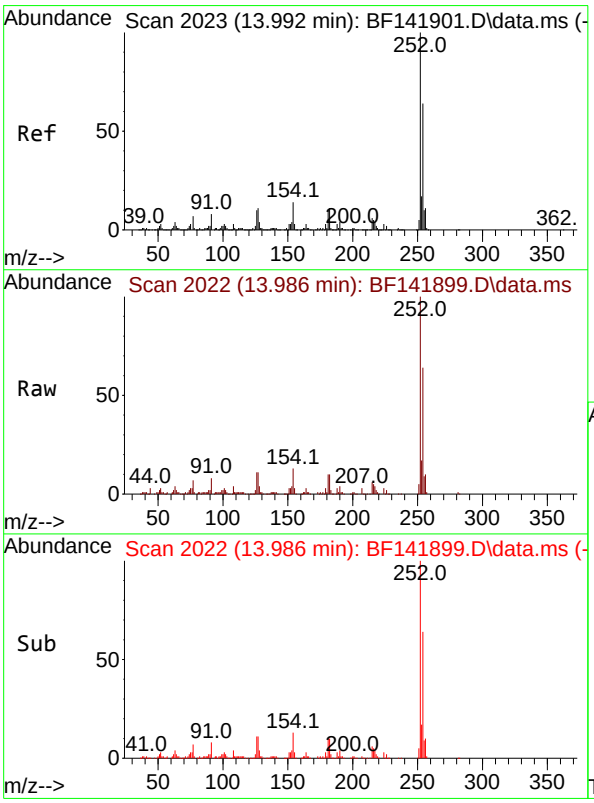
#81
Benzo(a)anthracene
Concen: 9.911 ng
RT: 14.027 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 458422

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.8	32.8
229	19.6	16.0	24.0

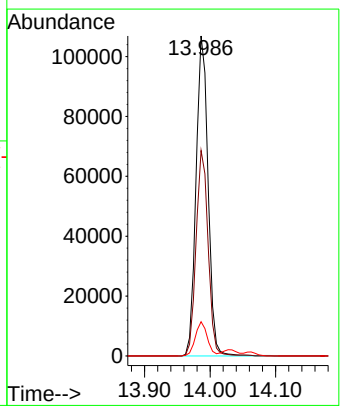


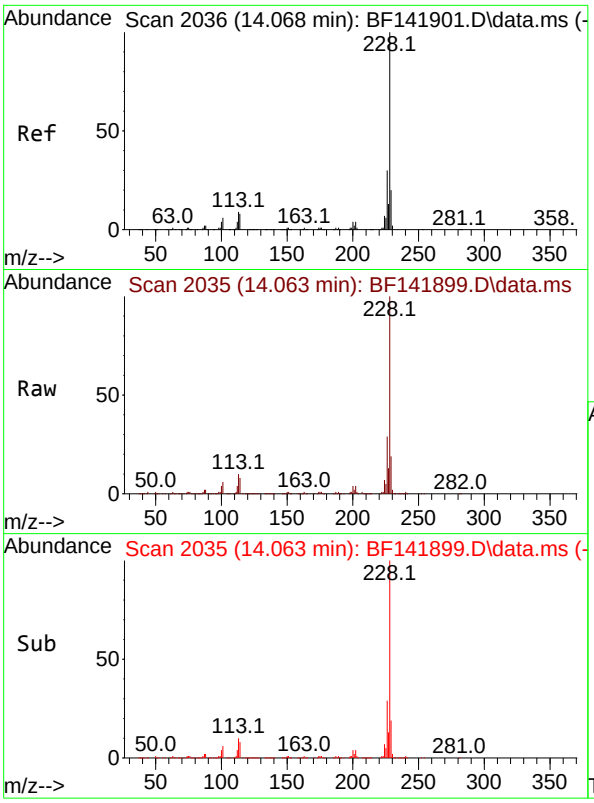


#82
3,3'-Dichlorobenzidine
Concen: 10.236 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:252 Resp: 136843

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.0	76.6
126	10.7	8.4	12.6



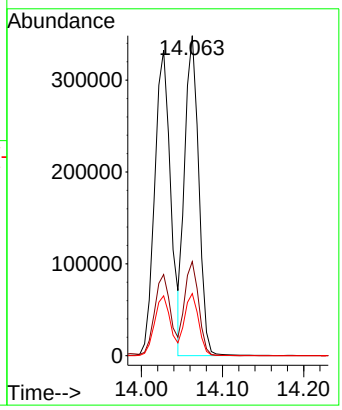


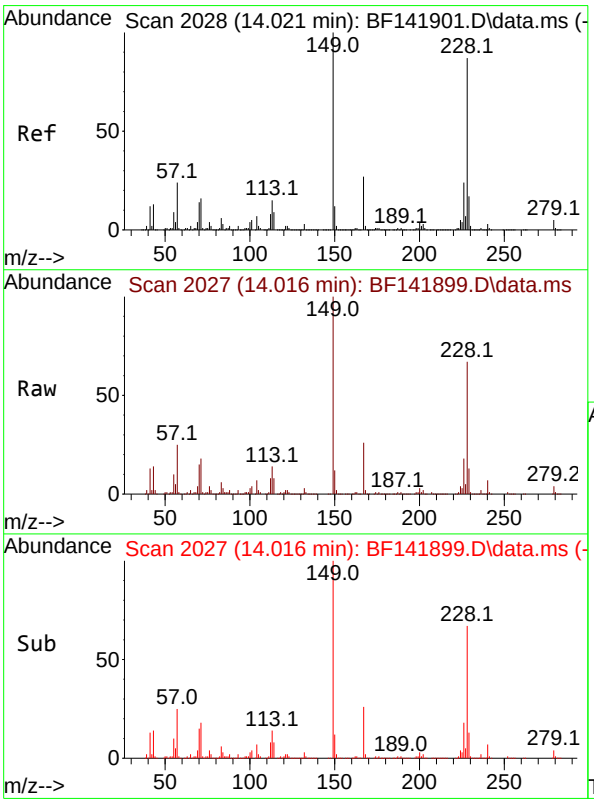
#83
Chrysene
Concen: 10.100 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 419687

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.1	36.1
229	19.4	15.7	23.5

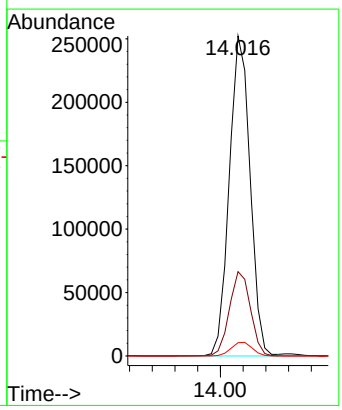


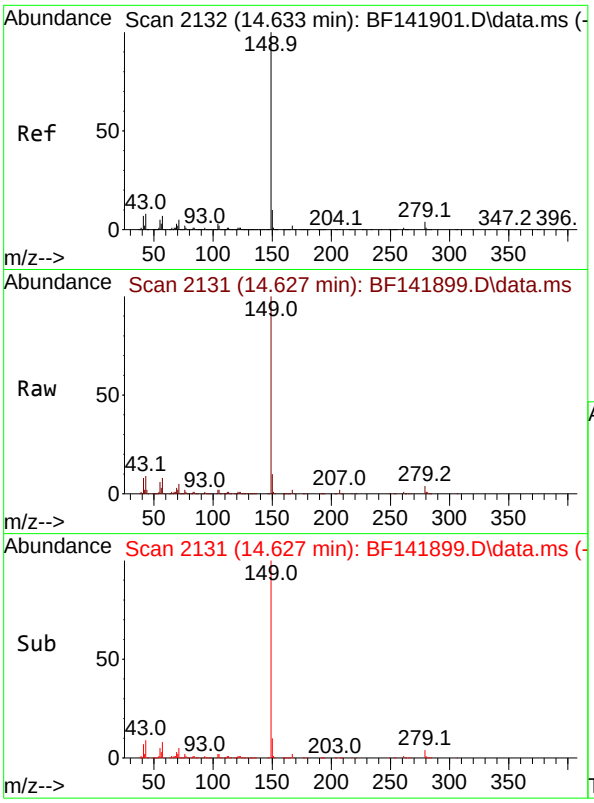


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.833 ng
RT: 14.016 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:149 Resp: 320536

Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.4	32.0
279	4.1	3.8	5.6



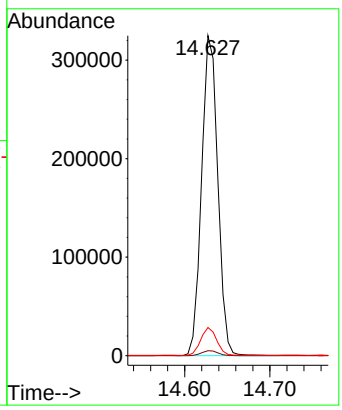


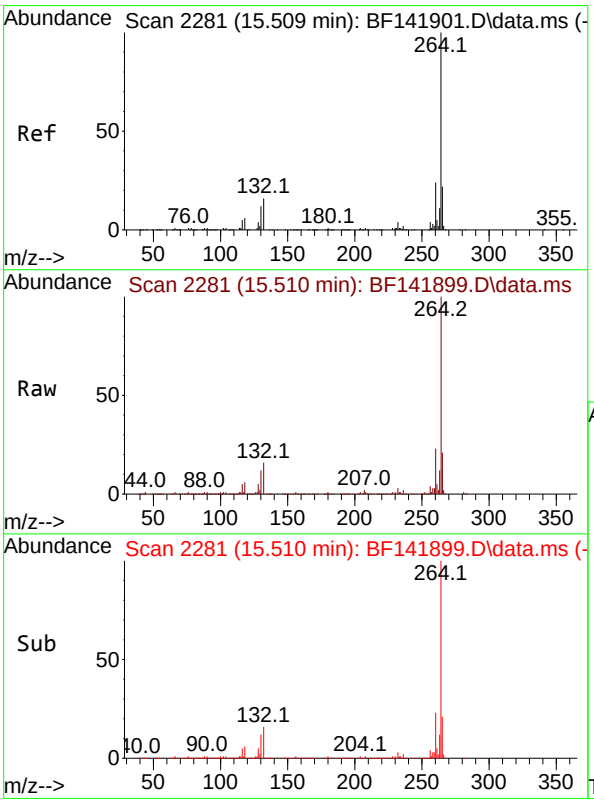
#85
Di-n-octyl phthalate
Concen: 9.442 ng
RT: 14.627 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 428377

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.6	6.9	10.3

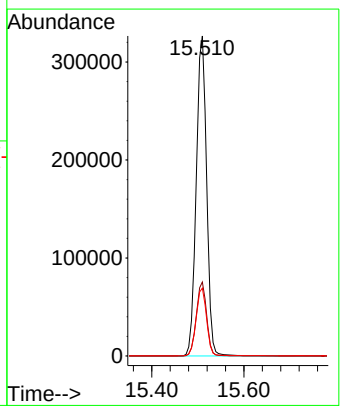


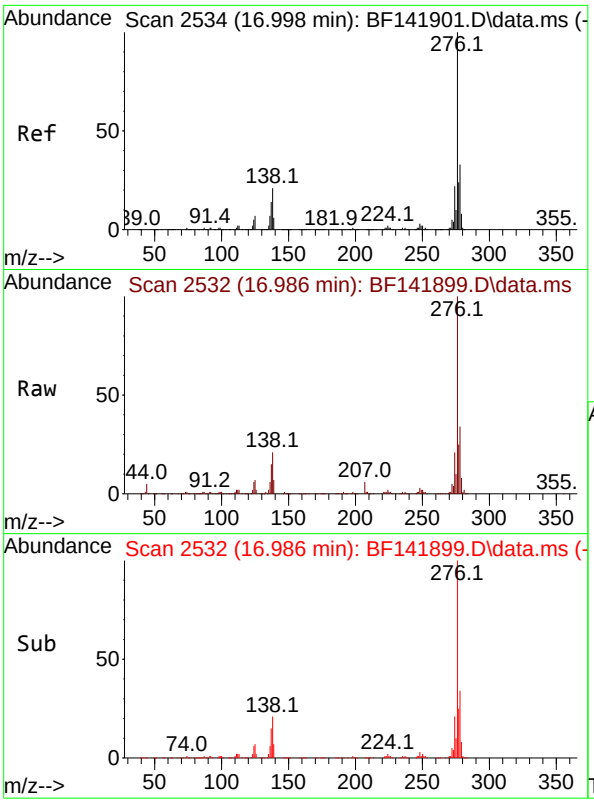


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:264 Resp: 510790

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.1	28.7
265	21.2	17.5	26.3



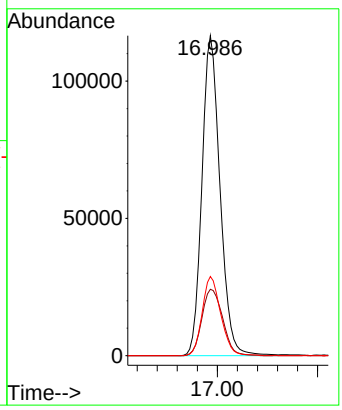


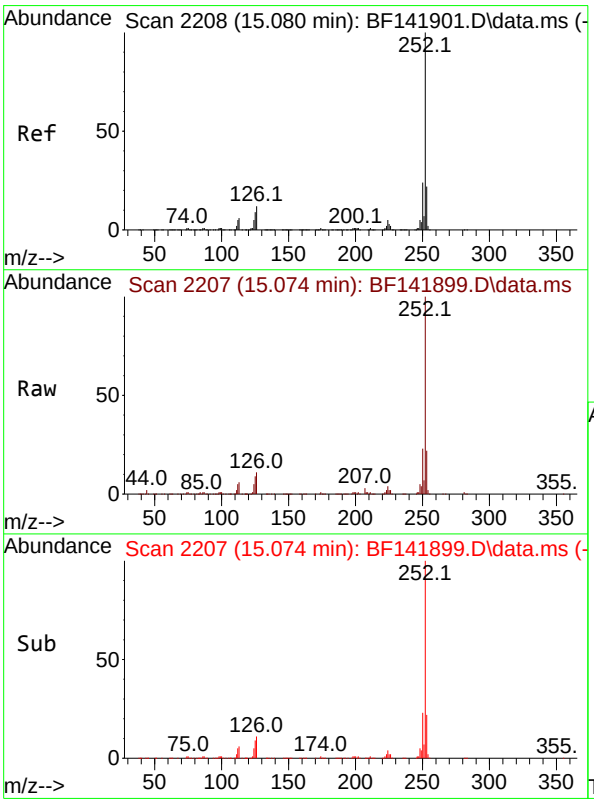
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.807 ng
RT: 16.986 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 291723

Ion	Ratio	Lower	Upper
276	100		
138	23.8	18.4	27.6
277	25.3	20.3	30.5

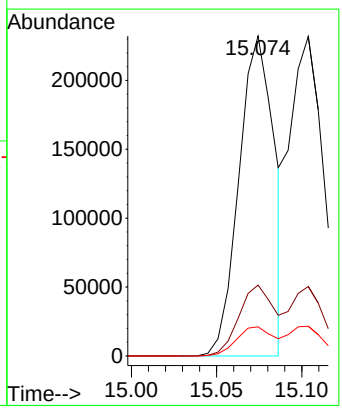


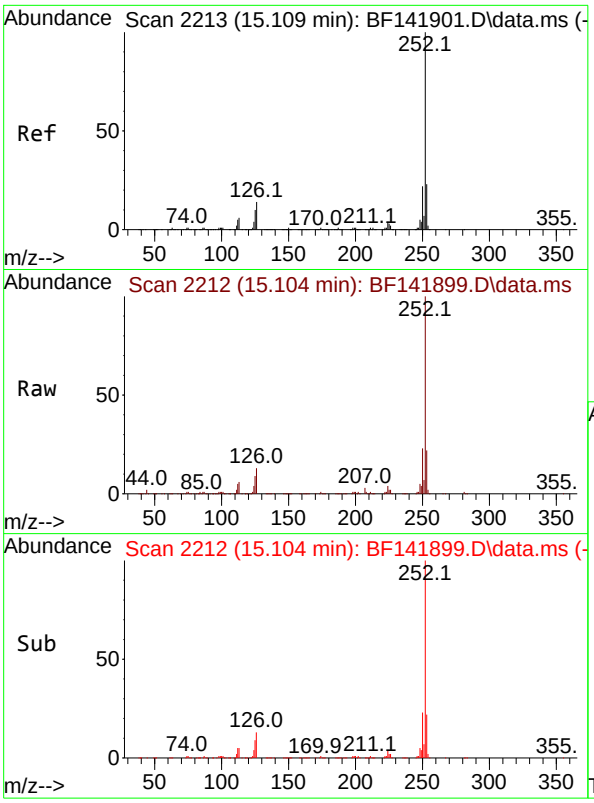


#88
Benzo(b)fluoranthene
Concen: 9.659 ng
RT: 15.074 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:252 Resp: 334664

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	9.1	7.0	10.4



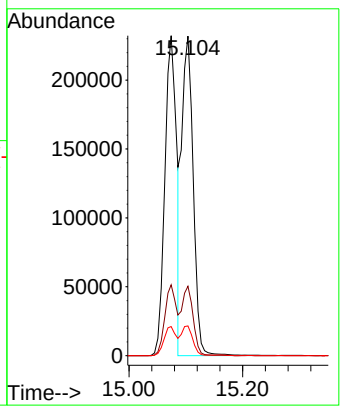


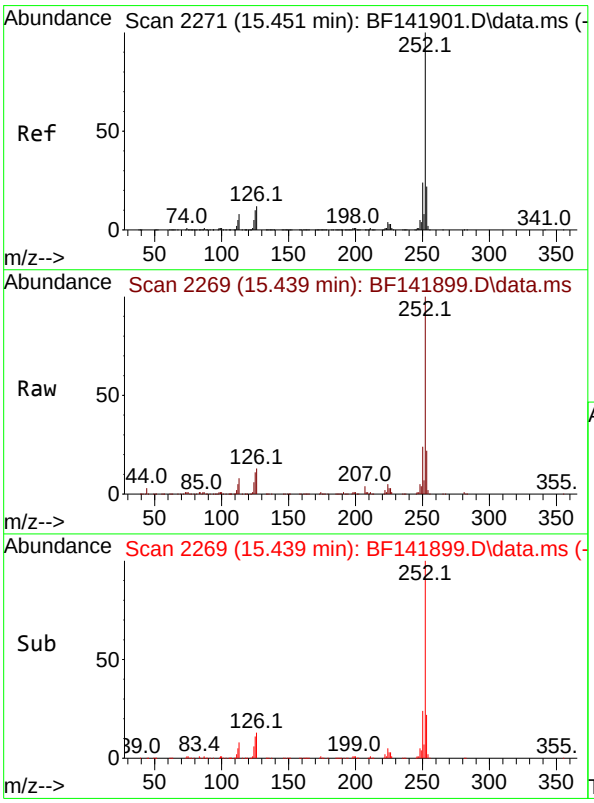
#89
Benzo(k)fluoranthene
Concen: 10.698 ng
RT: 15.104 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 323772

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	9.3	7.2	10.8

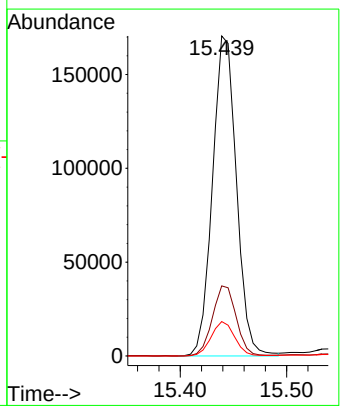


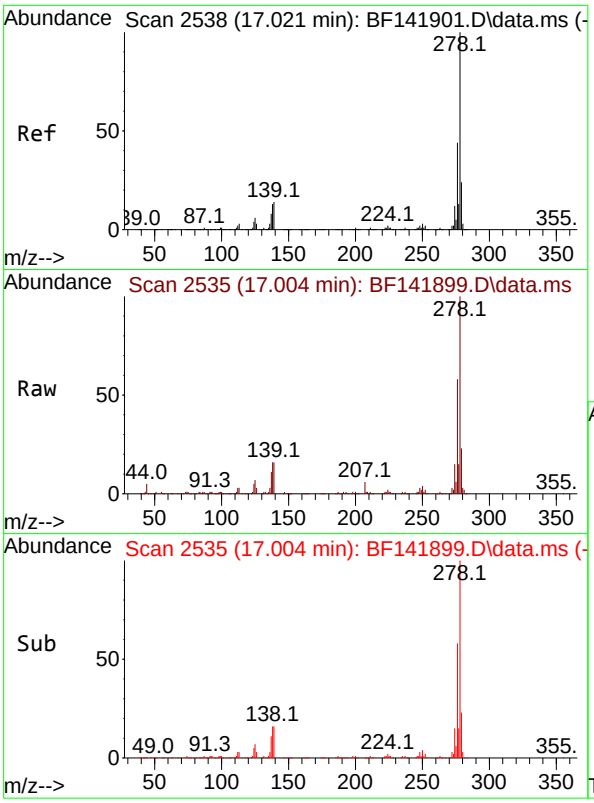


#90
Benzo(a)pyrene
Concen: 9.740 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:252 Resp: 266149

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	10.7	7.8	11.8



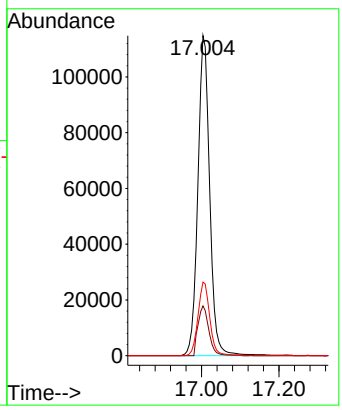


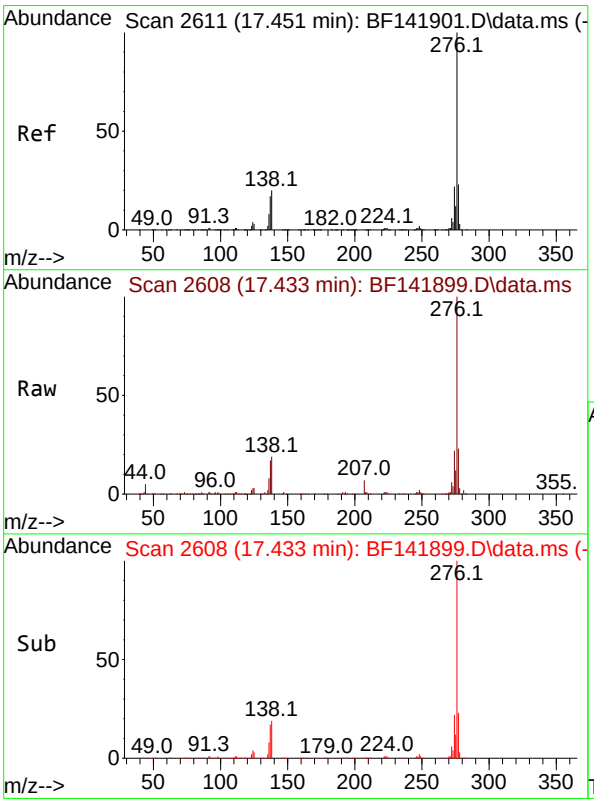
#91
Dibenzo(a,h)anthracene
Concen: 8.907 ng
RT: 17.004 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 243443

Ion	Ratio	Lower	Upper
278	100		
139	15.5	11.4	17.2
279	23.0	18.8	28.2

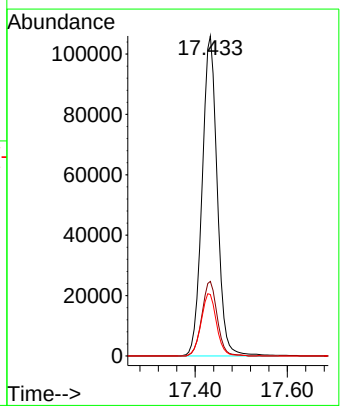




#92
Benzo(g,h,i)perylene
Concen: 8.941 ng
RT: 17.433 min Scan# 2608
Delta R.T. -0.018 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:276 Resp: 242380

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.7	28.1
138	19.2	15.8	23.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141900.D
Acq On : 10 Mar 2025 12:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Mar 10 15:34:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	198053	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	797548	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	470833	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	826085	20.000	ng	0.00
76) Chrysene-d12	14.039	240	581591	20.000	ng	0.00
86) Perylene-d12	15.509	264	428960	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	514189	43.318	ng	0.00
7) Phenol-d6	6.498	99	651272	43.079	ng	0.00
23) Nitrobenzene-d5	7.439	82	604270	42.465	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	243832	40.869	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1298709	42.002	ng	0.00
79) Terphenyl-d14	12.986	244	1582373	40.218	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.669	88	106079	21.323	ng	99
3) Pyridine	3.434	79	264229	21.612	ng	100
4) n-Nitrosodimethylamine	3.375	42	122948	21.155	ng	99
6) Aniline	6.539	93	324802	21.763	ng	99
8) 2-Chlorophenol	6.663	128	284082	21.592	ng	99
9) Benzaldehyde	6.428	77	193024	22.843	ng	98
10) Phenol	6.510	94	346008	21.692	ng	97
11) bis(2-Chloroethyl)ether	6.610	93	253793	21.236	ng	98
12) 1,3-Dichlorobenzene	6.822	146	304632	21.426	ng	98
13) 1,4-Dichlorobenzene	6.898	146	306665	21.319	ng	100
14) 1,2-Dichlorobenzene	7.051	146	289199	21.349	ng	99
15) Benzyl Alcohol	7.016	79	261893	21.402	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	303847	21.095	ng	99
17) 2-Methylphenol	7.122	107	222173	21.248	ng	97
18) Hexachloroethane	7.392	117	114019	21.141	ng	99
19) n-Nitroso-di-n-propyla...	7.286	70	206654	21.268	ng	97
20) 3+4-Methylphenols	7.275	107	291065	21.702	ng	99
22) Acetophenone	7.286	105	409149	21.385	ng	99
24) Nitrobenzene	7.457	77	299046	21.196	ng	99
25) Isophorone	7.698	82	522239	20.788	ng	100
26) 2-Nitrophenol	7.775	139	144979	20.970	ng	99
27) 2,4-Dimethylphenol	7.804	122	200058	21.009	ng	100
28) bis(2-Chloroethoxy)met...	7.904	93	331966	21.093	ng	99
29) 2,4-Dichlorophenol	8.010	162	246810	20.884	ng	100
30) 1,2,4-Trichlorobenzene	8.098	180	272773	20.922	ng	97
31) Naphthalene	8.181	128	877897	21.487	ng	99
32) Benzoic acid	7.892	122	152420	18.313	ng	99
33) 4-Chloroaniline	8.228	127	313249	21.726	ng	98
34) Hexachlorobutadiene	8.298	225	176253	20.791	ng	99
35) Caprolactam	8.580	113	75048	20.884	ng	99
36) 4-Chloro-3-methylphenol	8.698	107	278207	21.168	ng	100
37) 2-Methylnaphthalene	8.875	142	584552	21.324	ng	99
38) 1-Methylnaphthalene	8.975	142	575428	21.677	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	294845	20.538	ng	99
41) Hexachlorocyclopentadiene	9.028	237	117174	20.685	ng	100
43) 2,4,6-Trichlorophenol	9.145	196	189069	20.203	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141900.D
Acq On : 10 Mar 2025 12:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Mar 10 15:34:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

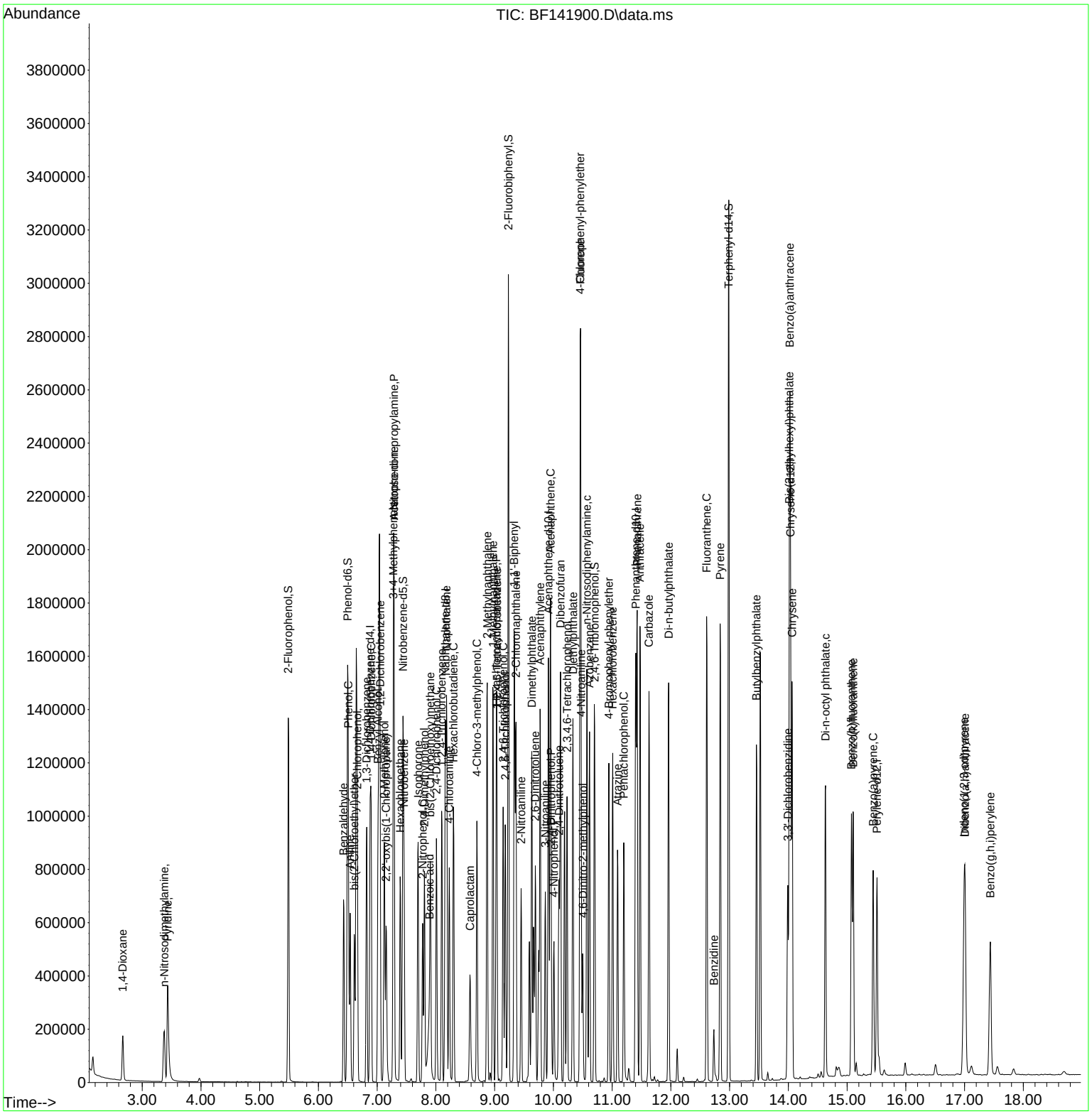
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.180	196	198841	20.912	ng		99
46) 1,1'-Biphenyl	9.333	154	749087	20.985	ng		100
47) 2-Chloronaphthalene	9.363	162	555946	20.898	ng		98
48) 2-Nitroaniline	9.451	65	162790	21.302	ng		97
49) Acenaphthylene	9.775	152	837016	21.222	ng		99
50) Dimethylphthalate	9.633	163	691454	21.137	ng		100
51) 2,6-Dinitrotoluene	9.692	165	143513	21.096	ng		100
52) Acenaphthene	9.951	154	579623	20.813	ng		98
53) 3-Nitroaniline	9.863	138	148977	21.327	ng		98
54) 2,4-Dinitrophenol	9.963	184	58223	20.368	ng	#	33
55) Dibenzofuran	10.122	168	843359	21.238	ng		98
56) 4-Nitrophenol	10.010	139	109958	20.955	ng		100
57) 2,4-Dinitrotoluene	10.098	165	189234	21.132	ng		98
58) Fluorene	10.463	166	650245	21.211	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	183513	21.272	ng		99
60) Diethylphthalate	10.333	149	704993	21.468	ng		100
61) 4-Chlorophenyl-phenyle...	10.457	204	330489	20.698	ng		99
62) 4-Nitroaniline	10.474	138	142995	21.125	ng		99
63) Azobenzene	10.616	77	660935	21.665	ng		99
65) 4,6-Dinitro-2-methylph...	10.504	198	91852	18.755	ng		98
66) n-Nitrosodiphenylamine	10.569	169	553905	20.756	ng		99
67) 4-Bromophenyl-phenylether	10.945	248	210241	20.436	ng		100
68) Hexachlorobenzene	11.010	284	234399	20.613	ng		99
69) Atrazine	11.092	200	159306	24.481	ng		99
70) Pentachlorophenol	11.198	266	141842	20.227	ng		100
71) Phenanthrene	11.427	178	939782	21.038	ng		99
72) Anthracene	11.474	178	940875	20.993	ng		99
73) Carbazole	11.627	167	813998	21.096	ng		100
74) Di-n-butylphthalate	11.963	149	1089304	21.382	ng		99
75) Fluoranthene	12.610	202	1014464	21.632	ng		100
77) Benzidine	12.733	184	110648	13.463	ng		99
78) Pyrene	12.839	202	1004157	20.133	ng		99
80) Butylbenzylphthalate	13.457	149	408044	20.761	ng		98
81) Benzo(a)anthracene	14.027	228	776120	20.285	ng		99
82) 3,3'-Dichlorobenzidine	13.992	252	221168	19.999	ng		99
83) Chrysene	14.062	228	732966	21.325	ng		100
84) Bis(2-ethylhexyl)phtha...	14.015	149	562062	20.845	ng		99
85) Di-n-octyl phthalate	14.633	149	778373	20.740	ng		100
87) Indeno(1,2,3-cd)pyrene	16.992	276	560913	20.163	ng		99
88) Benzo(b)fluoranthene	15.074	252	636808	21.886	ng		100
89) Benzo(k)fluoranthene	15.104	252	513311	20.196	ng		99
90) Benzo(a)pyrene	15.445	252	481683	20.991	ng		100
91) Dibenzo(a,h)anthracene	17.009	278	460109	20.046	ng		99
92) Benzo(g,h,i)perylene	17.439	276	455034	19.987	ng		99

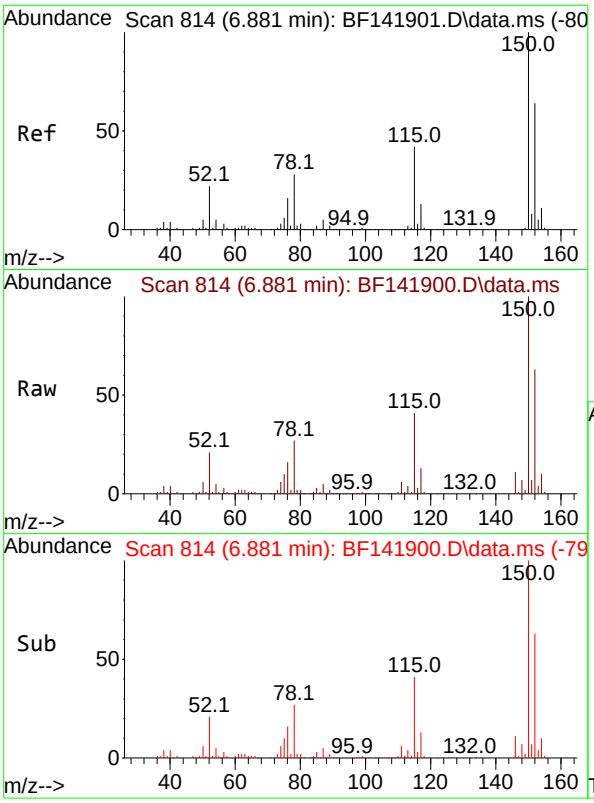
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF141900.D
Acq On : 10 Mar 2025 12:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Mar 10 15:34:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



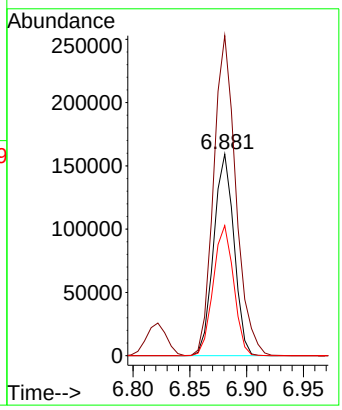


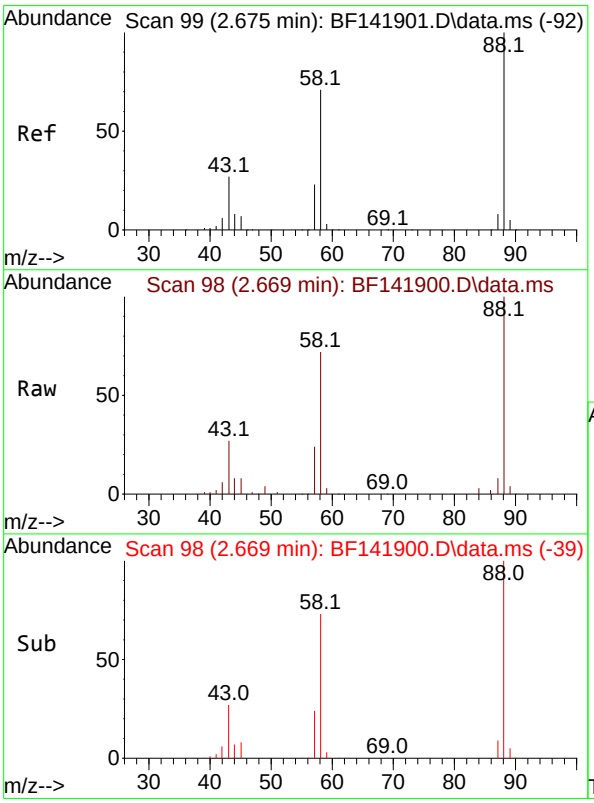
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 198053

Ion	Ratio	Lower	Upper
152	100		
150	158.7	127.4	191.2
115	64.5	51.9	77.9

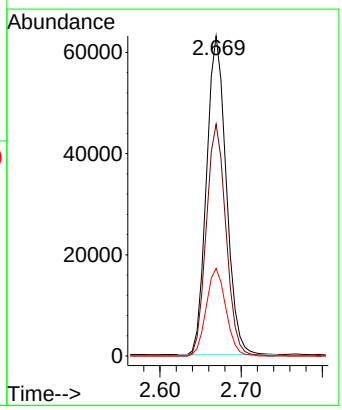


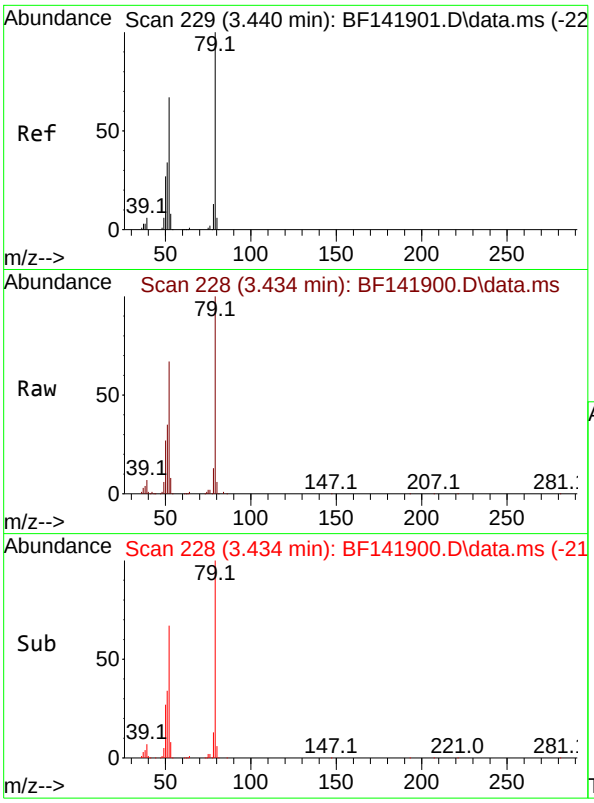


#2
1,4-Dioxane
Concen: 21.323 ng
RT: 2.669 min Scan# 98
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 88 Resp: 106079

Ion	Ratio	Lower	Upper
88	100		
58	72.3	57.4	86.2
43	27.4	21.5	32.3



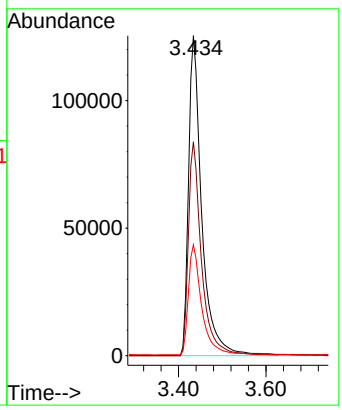


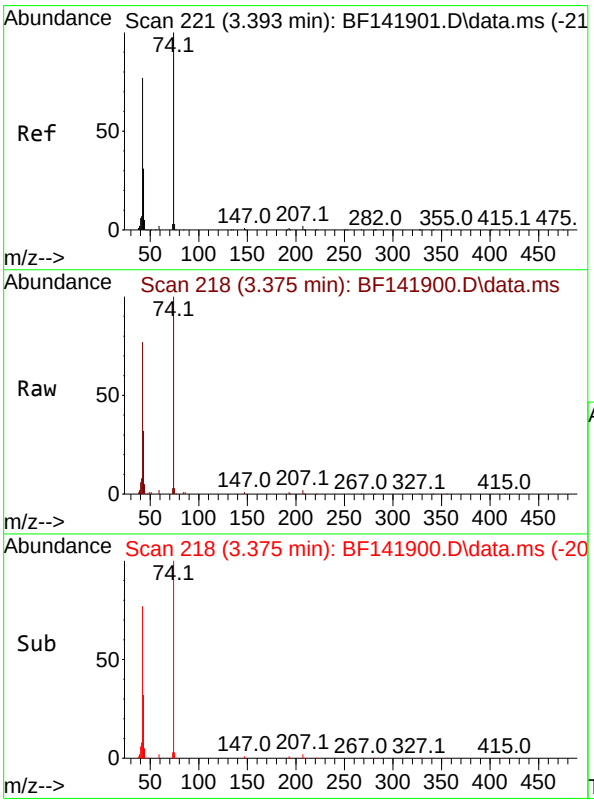
#3
Pyridine
Concen: 21.612 ng
RT: 3.434 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 264229

Ion	Ratio	Lower	Upper
79	100		
52	66.8	53.3	79.9
51	34.7	27.6	41.4

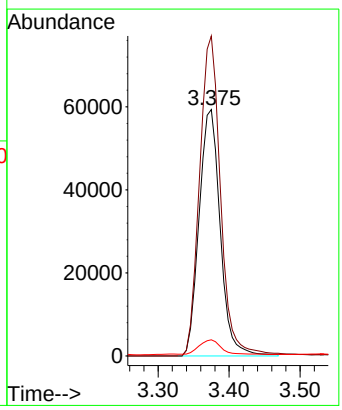


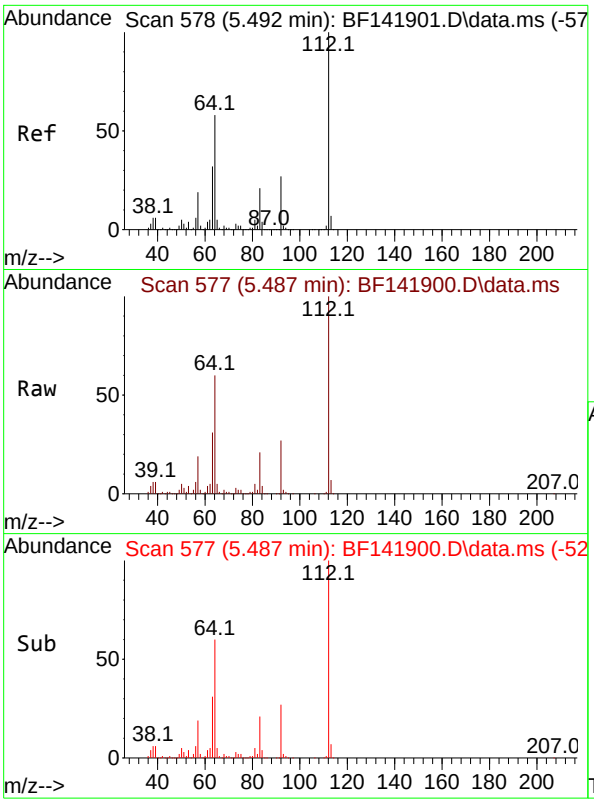


#4
n-Nitrosodimethylamine
Concen: 21.155 ng
RT: 3.375 min Scan# 218
Delta R.T. -0.018 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 42 Resp: 122948

Ion	Ratio	Lower	Upper
42	100		
74	129.9	103.4	155.0
44	6.5	5.0	7.4



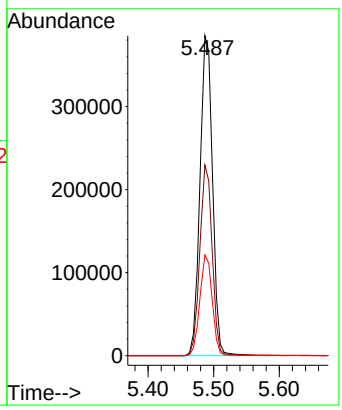


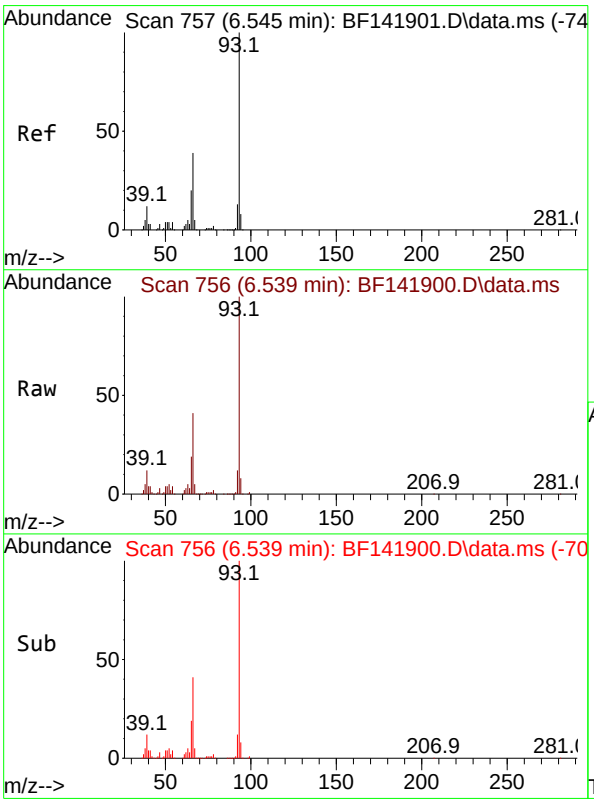
#5
2-Fluorophenol
Concen: 43.318 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 514189

Ion	Ratio	Lower	Upper
112	100		
64	59.5	46.5	69.7
63	31.4	25.4	38.2

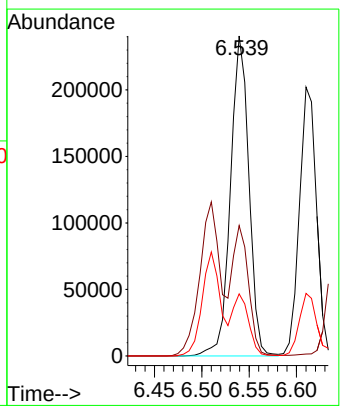


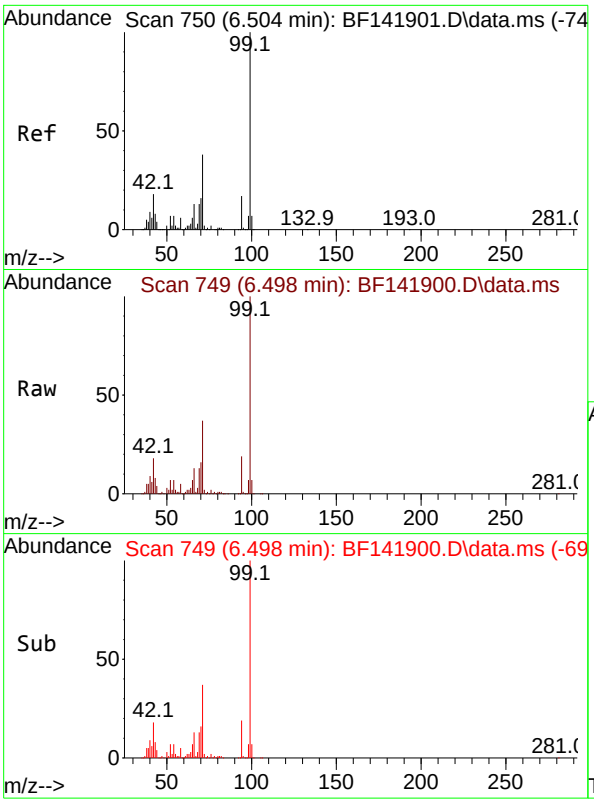


#6
Aniline
Concen: 21.763 ng
RT: 6.539 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 93 Resp: 324802

Ion	Ratio	Lower	Upper
93	100		
66	40.8	31.9	47.9
65	19.4	15.8	23.6



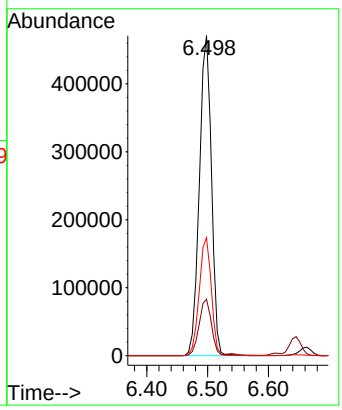


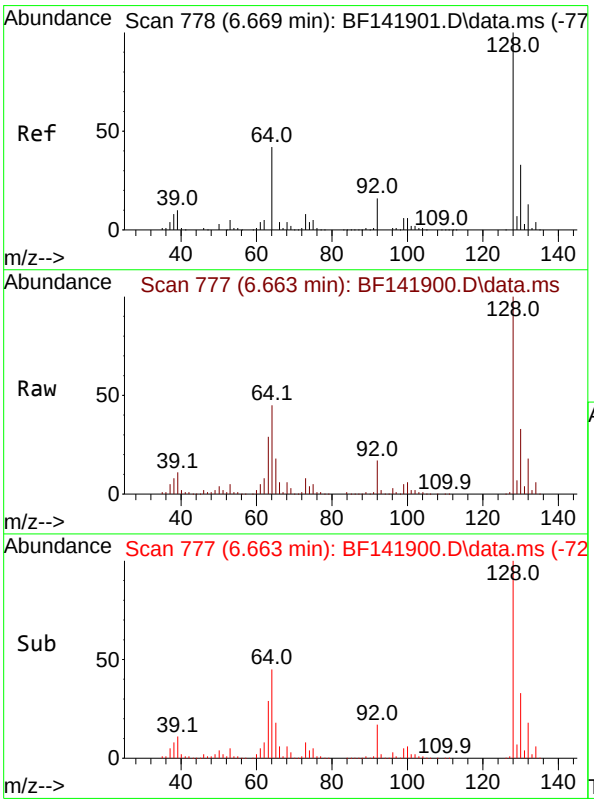
#7
Phenol-d6
Concen: 43.079 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 651272

Ion	Ratio	Lower	Upper
99	100		
42	17.6	14.6	21.8
71	36.9	30.8	46.2

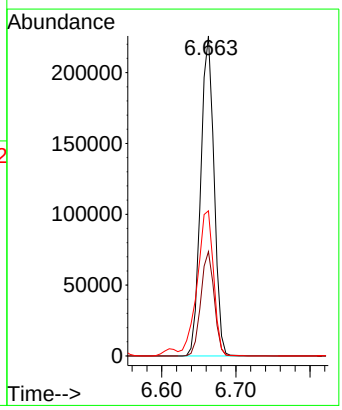


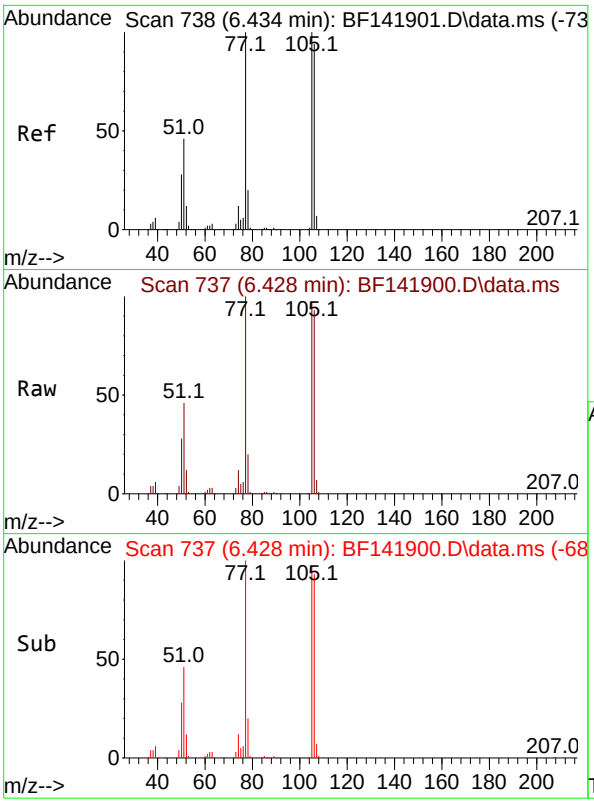


#8
2-Chlorophenol
Concen: 21.592 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:128 Resp: 284082

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.8	52.8
64	45.4	24.4	64.4



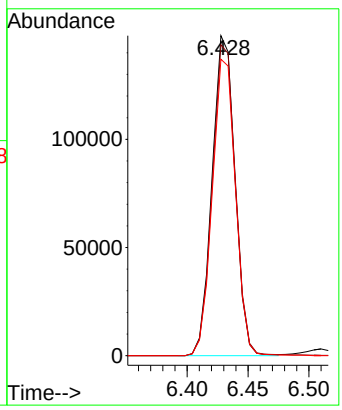


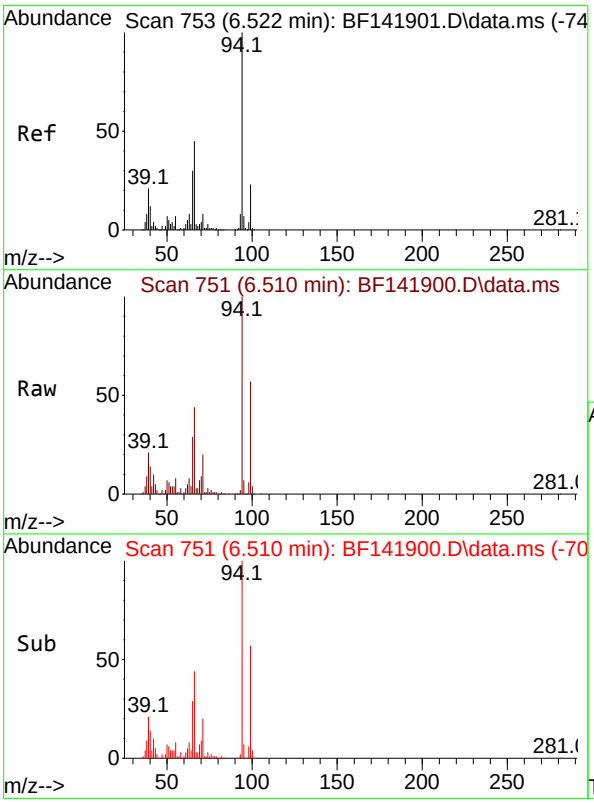
#9
Benzaldehyde
Concen: 22.843 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 193024

Ion	Ratio	Lower	Upper
77	100		
105	97.1	80.0	120.0
106	92.6	74.5	114.5

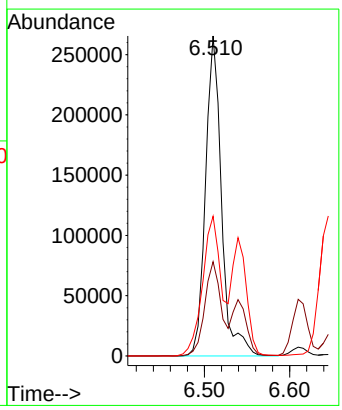


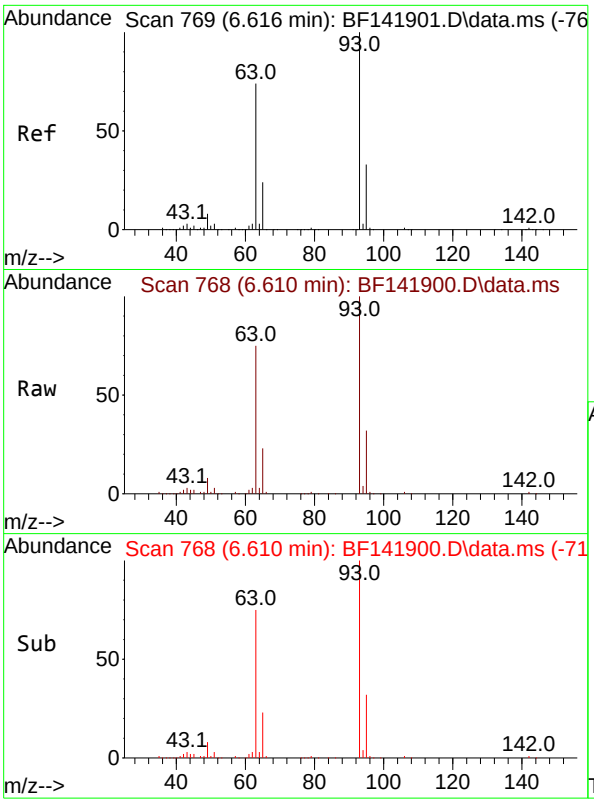


#10
Phenol
Concen: 21.692 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.012 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 94 Resp: 346008

Ion	Ratio	Lower	Upper
94	100		
65	29.5	10.5	50.5
66	43.6	25.8	65.8



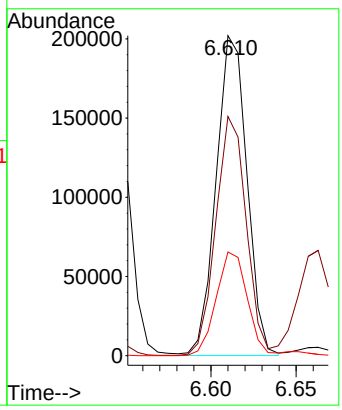


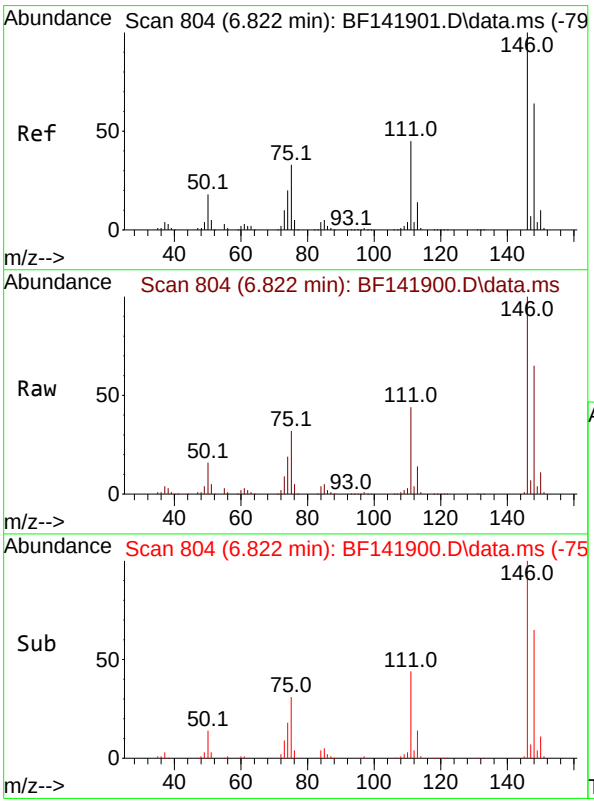
#11
bis(2-Chloroethyl)ether
Concen: 21.236 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 253793

Ion	Ratio	Lower	Upper
93	100		
63	74.8	53.0	93.0
95	32.4	12.9	52.9

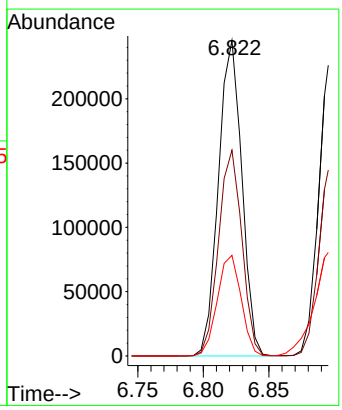


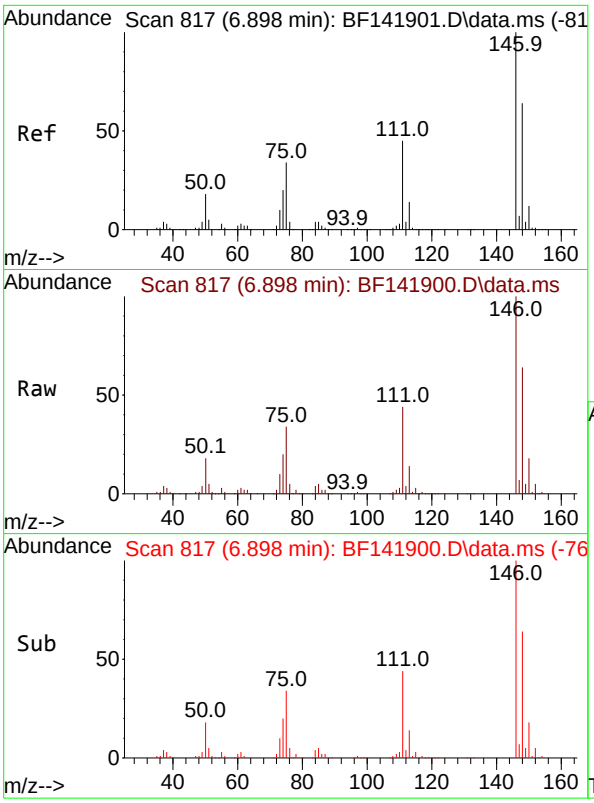


#12
1,3-Dichlorobenzene
Concen: 21.426 ng
RT: 6.822 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:146 Resp: 304632

Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.3	76.9
75	31.9	26.6	40.0



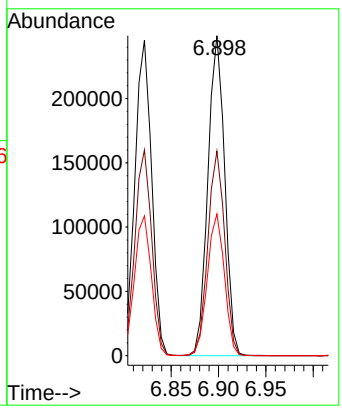


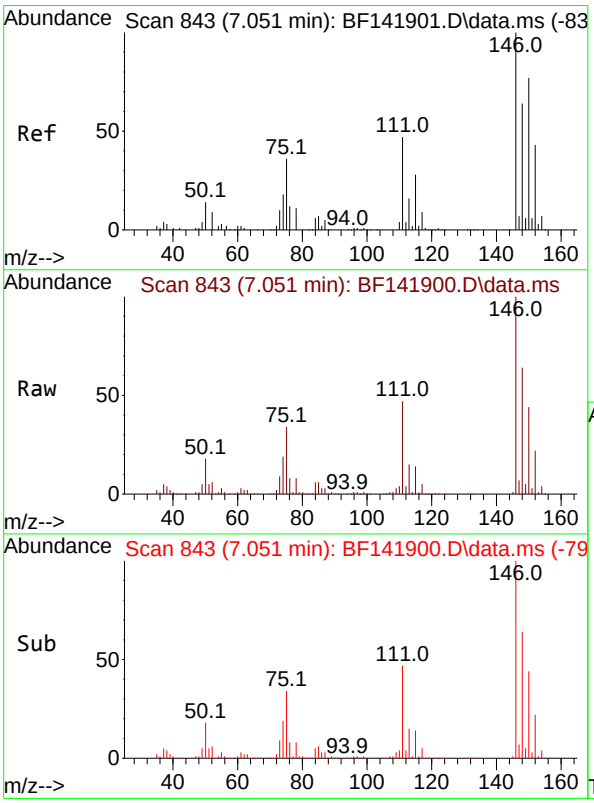
#13
1,4-Dichlorobenzene
Concen: 21.319 ng
RT: 6.898 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 306665

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.0	76.6
111	44.3	35.7	53.5

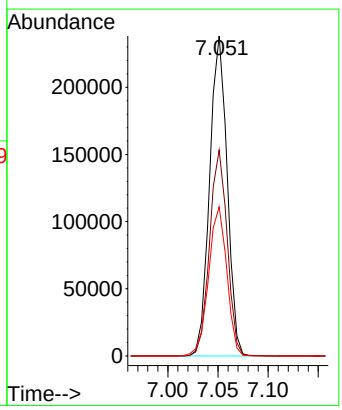


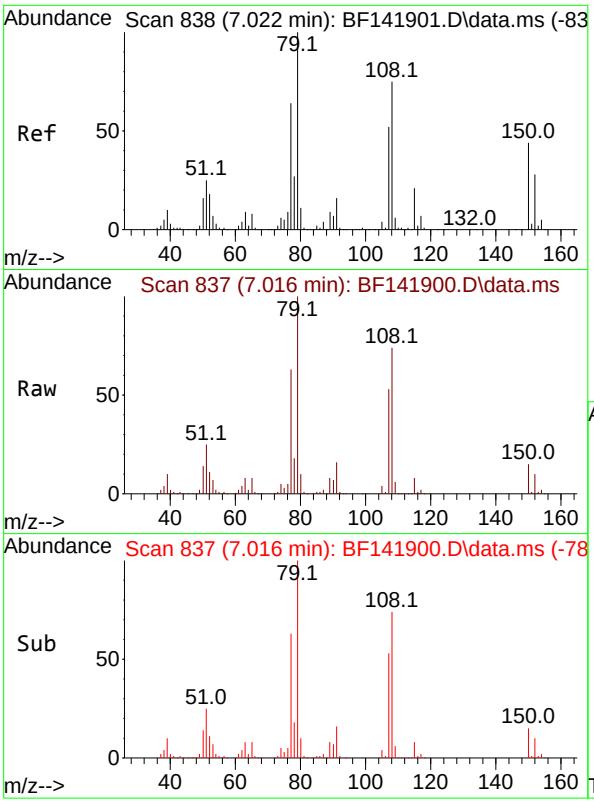


#14
1,2-Dichlorobenzene
Concen: 21.349 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:146 Resp: 289199

Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.8	76.2
111	46.6	38.0	57.0



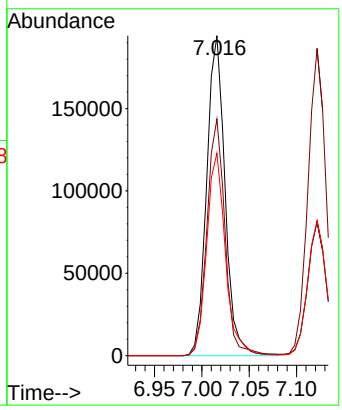


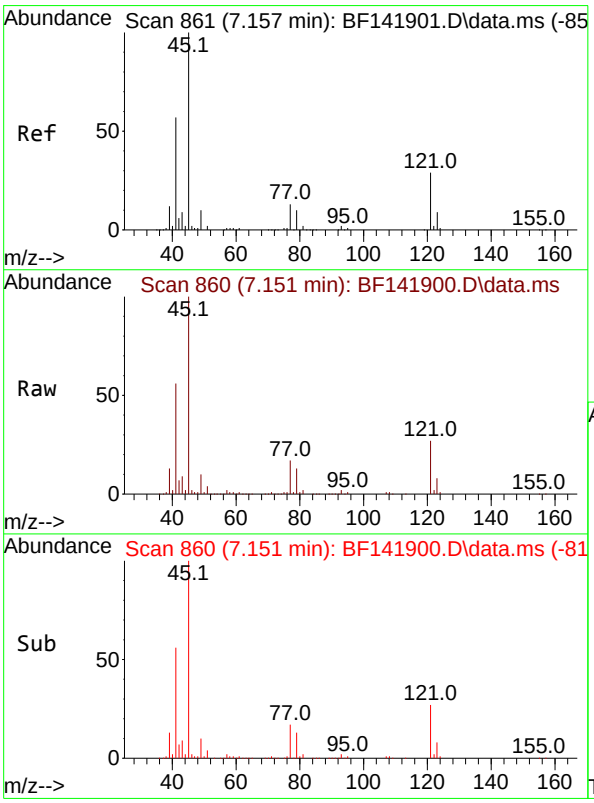
#15
Benzyl Alcohol
Concen: 21.402 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 261893

Ion	Ratio	Lower	Upper
79	100		
108	73.9	59.7	89.5
77	63.3	51.0	76.6

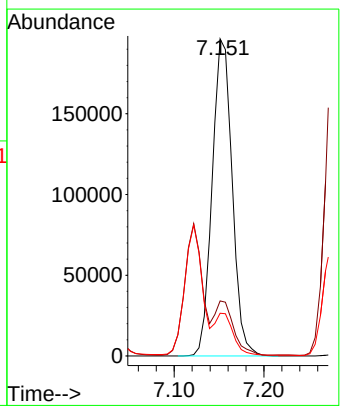


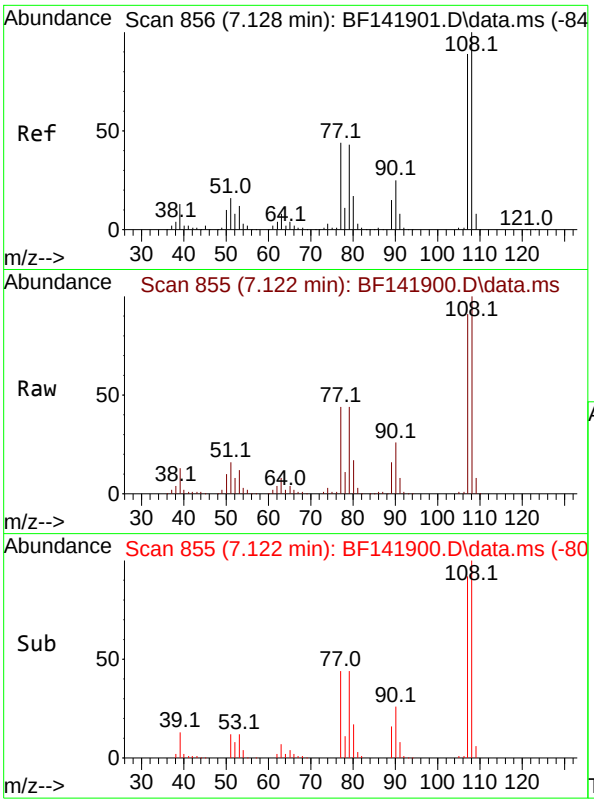


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.095 ng
RT: 7.151 min Scan# 860
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 45 Resp: 303847

Ion	Ratio	Lower	Upper
45	100		
77	17.3	0.0	37.8
79	13.5	0.0	34.2



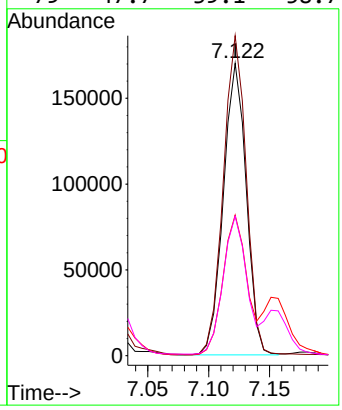


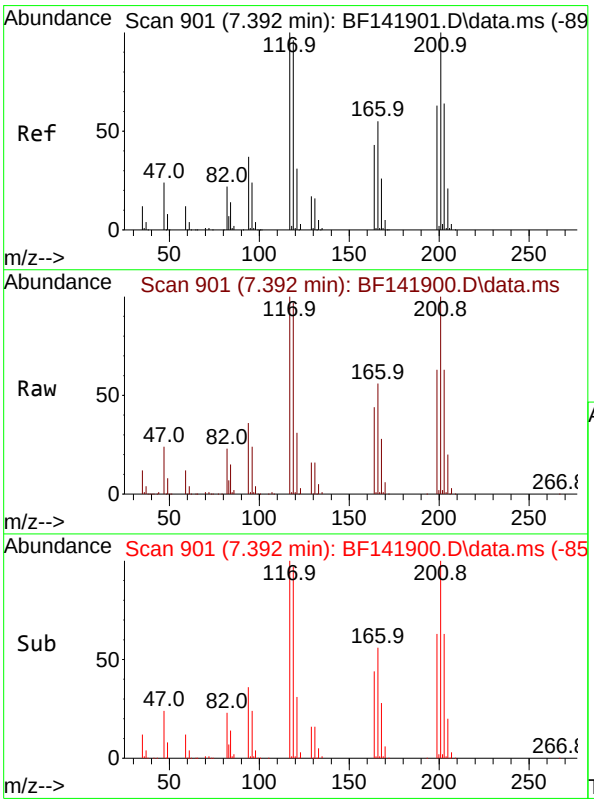
#17
2-Methylphenol
Concen: 21.248 ng
RT: 7.122 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 222173

Ion	Ratio	Lower	Upper
107	100		
108	109.5	90.2	135.2
77	48.1	39.6	59.4
79	47.7	39.1	58.7

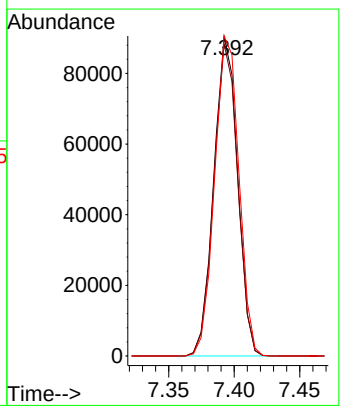


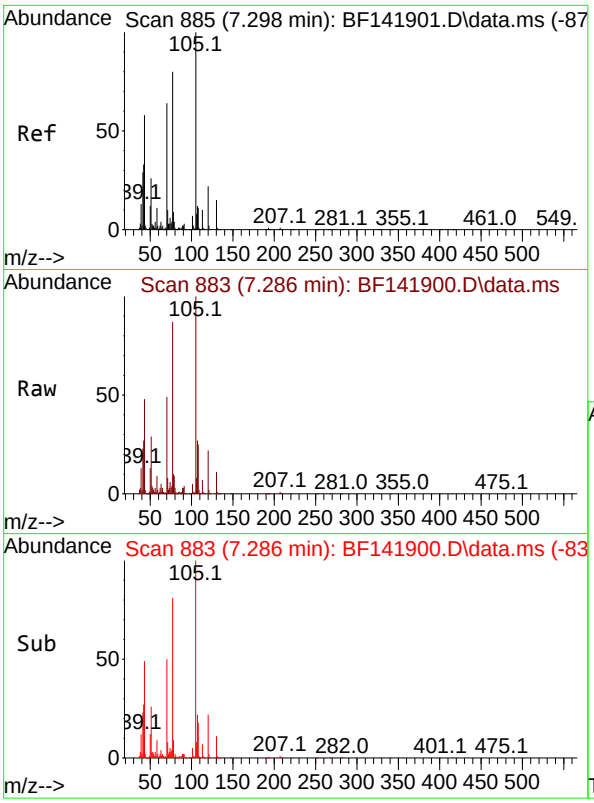


#18
Hexachloroethane
Concen: 21.141 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:117 Resp: 114019

Ion	Ratio	Lower	Upper
117	100		
119	97.8	76.9	115.3
201	100.3	79.9	119.9



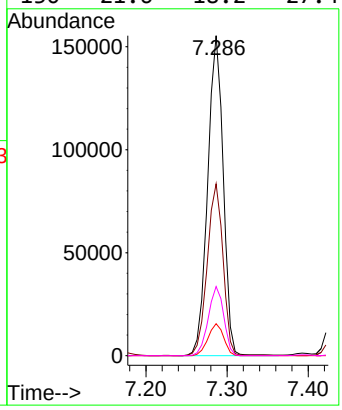


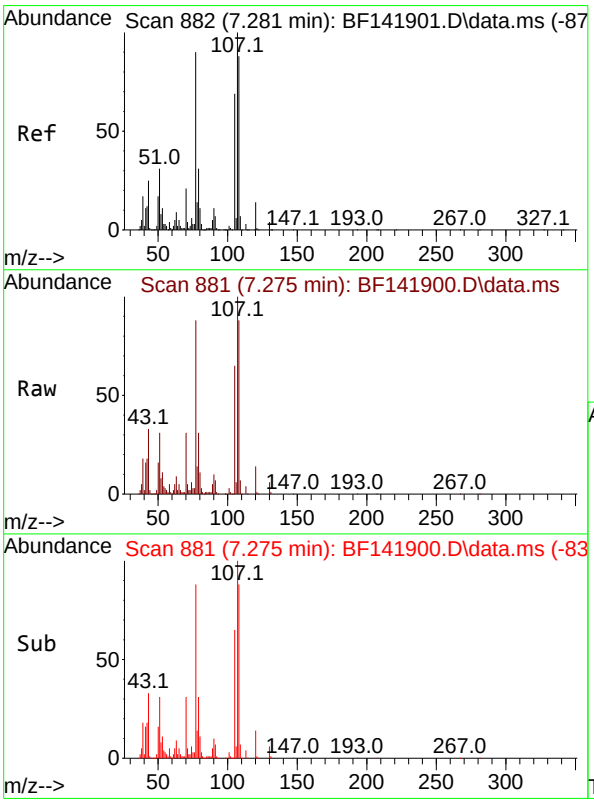
#19
n-Nitroso-di-n-propylamine
Concen: 21.268 ng
RT: 7.286 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 206654

Ion	Ratio	Lower	Upper
70	100		
42	53.7	41.4	62.0
101	10.0	8.2	12.2
130	21.6	18.2	27.4

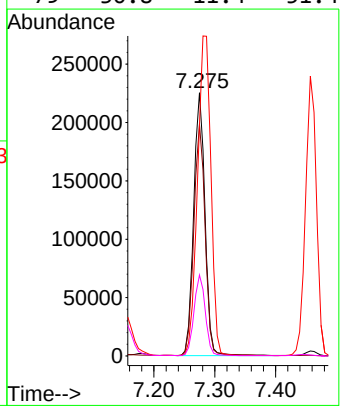


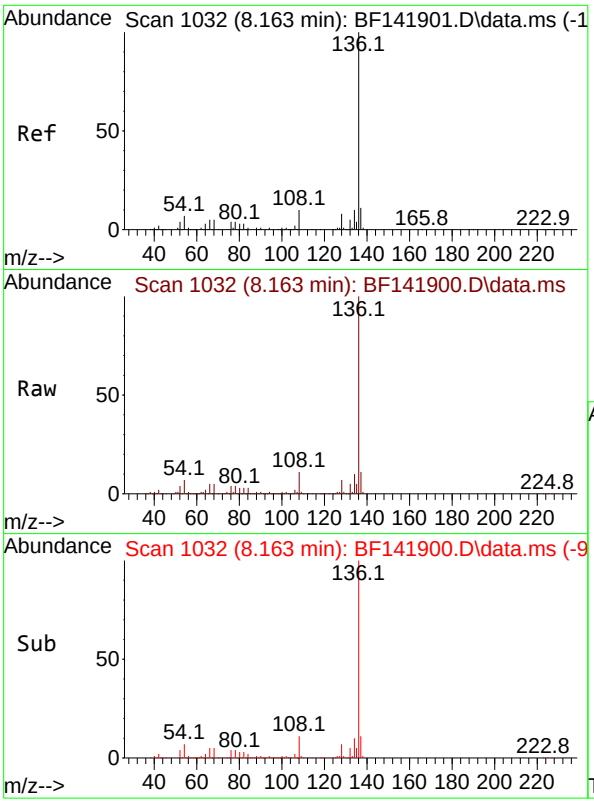


#20
3+4-Methylphenols
Concen: 21.702 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:107 Resp: 291065

Ion	Ratio	Lower	Upper
107	100		
108	88.1	68.4	108.4
77	87.9	69.7	109.7
79	30.8	11.4	51.4



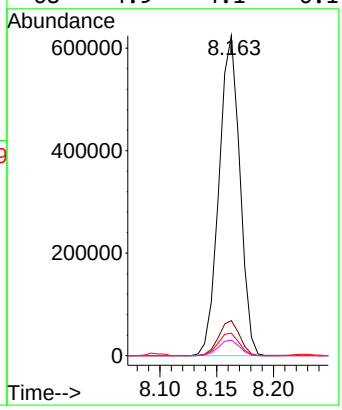


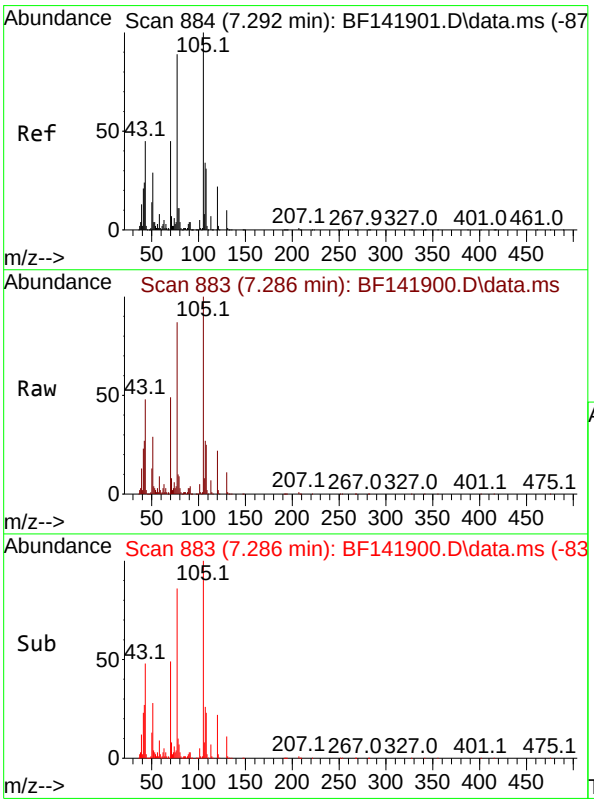
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 797548

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.1	5.8	8.8
68	4.9	4.1	6.1

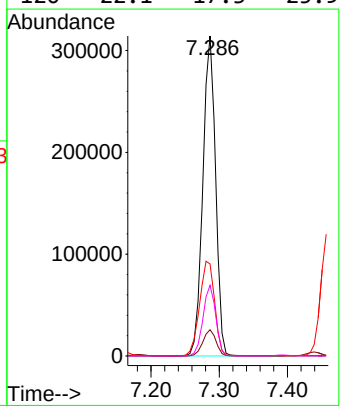


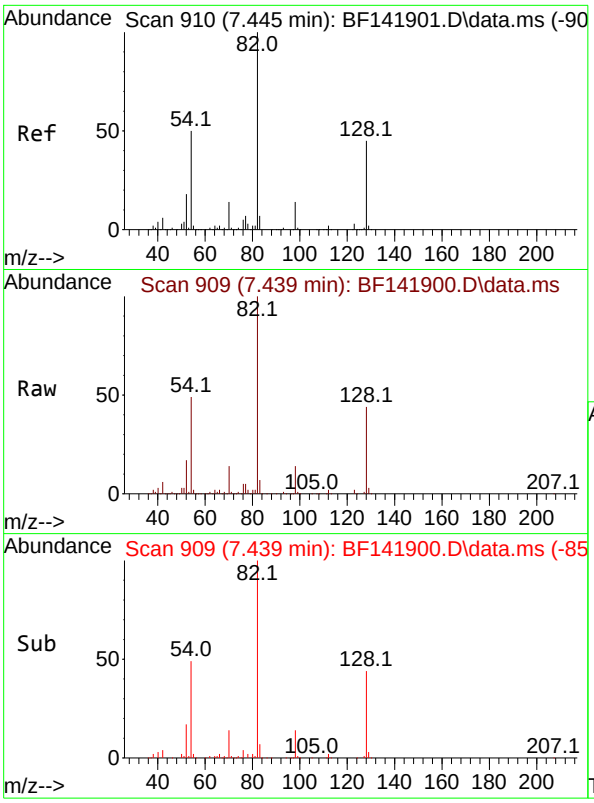


#22
Acetophenone
Concen: 21.385 ng
RT: 7.286 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:105 Resp: 409149

Ion	Ratio	Lower	Upper
105	100		
71	8.2	5.8	8.8
51	28.8	23.4	35.0
120	22.1	17.3	25.9



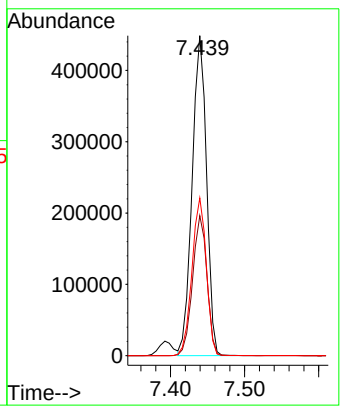


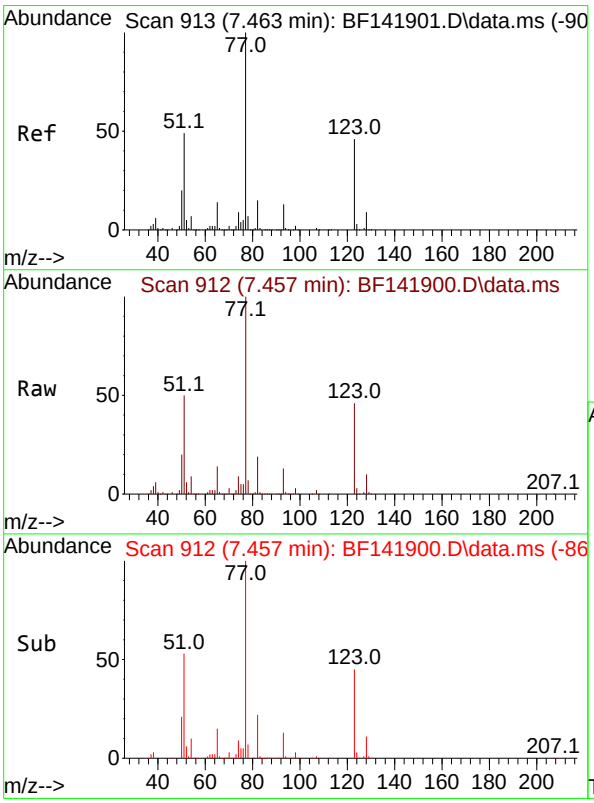
#23
Nitrobenzene-d5
Concen: 42.465 ng
RT: 7.439 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 604270

Ion	Ratio	Lower	Upper
82	100		
128	43.8	36.0	54.0
54	49.3	39.6	59.4

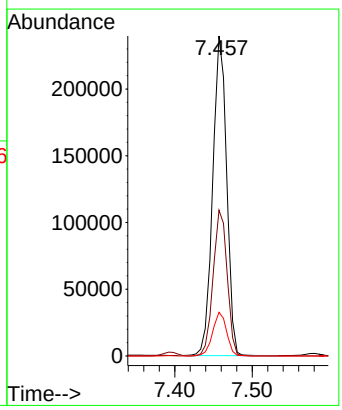


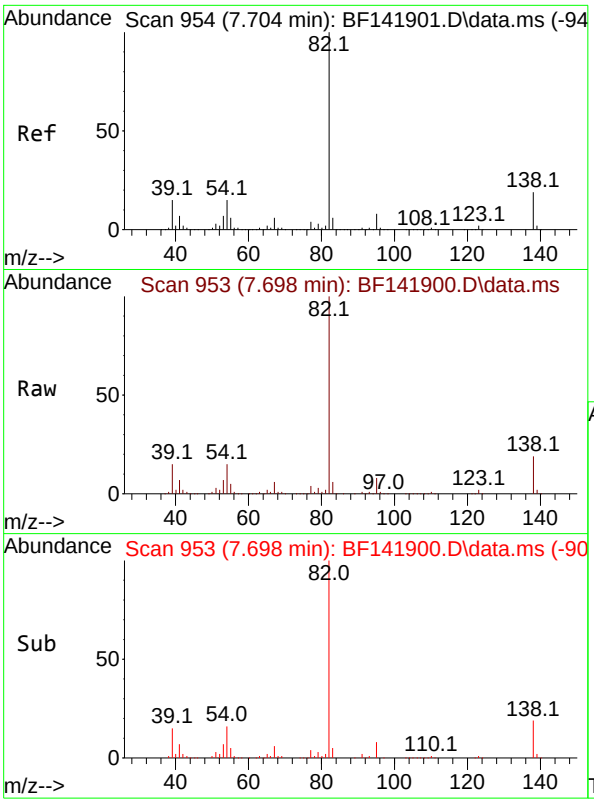


#24
Nitrobenzene
Concen: 21.196 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 77 Resp: 299046

Ion	Ratio	Lower	Upper
77	100		
123	45.6	37.0	55.4
65	13.7	11.3	16.9



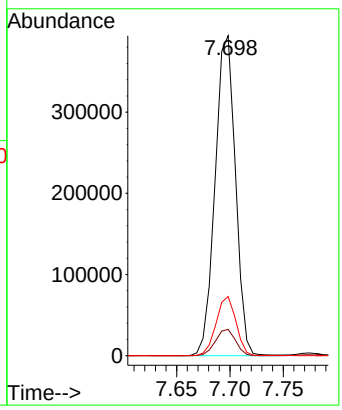


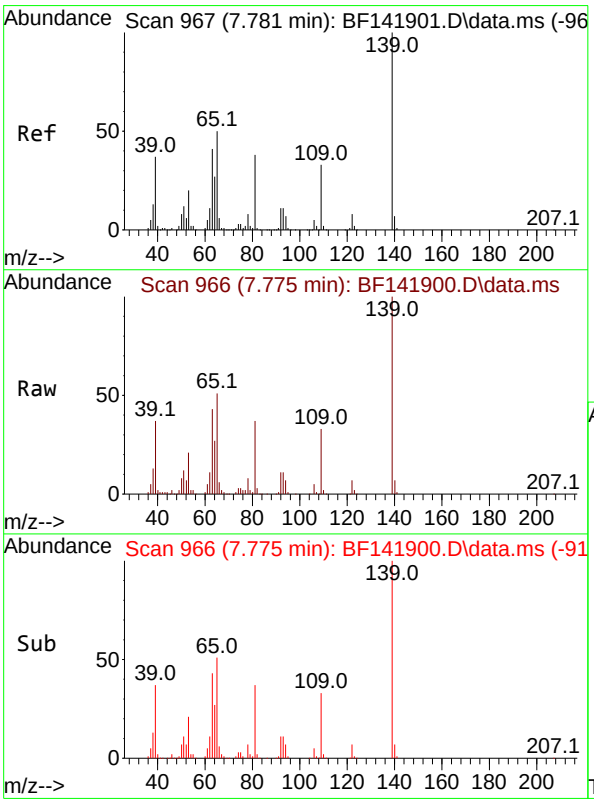
#25
Isophorone
Concen: 20.788 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 522239

Ion	Ratio	Lower	Upper
82	100		
95	8.2	6.4	9.6
138	18.5	14.9	22.3

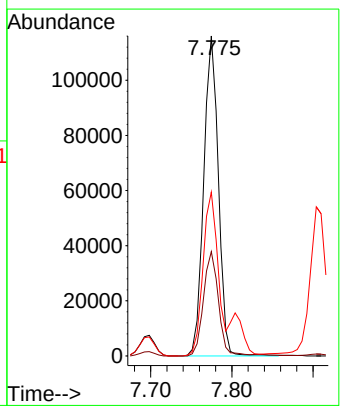


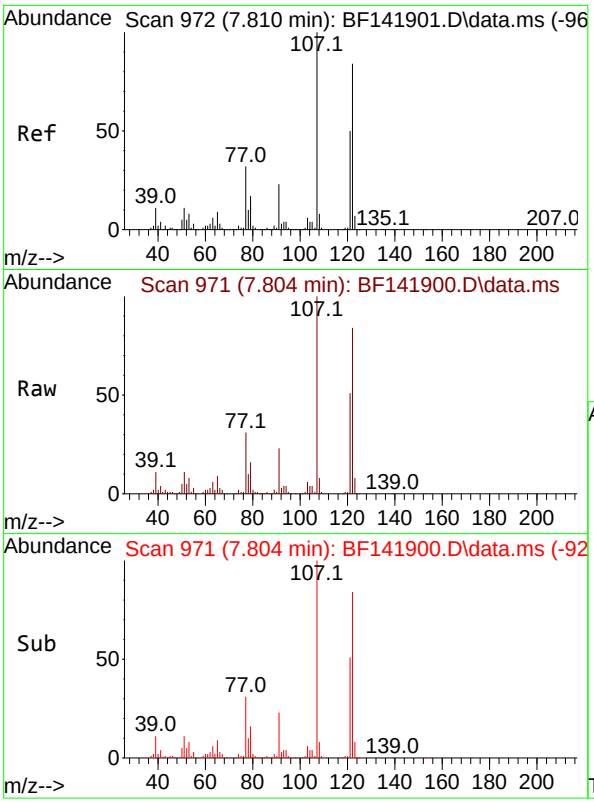


#26
2-Nitrophenol
Concen: 20.970 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:139 Resp: 144979

Ion	Ratio	Lower	Upper
139	100		
109	32.6	26.5	39.7
65	51.2	40.3	60.5



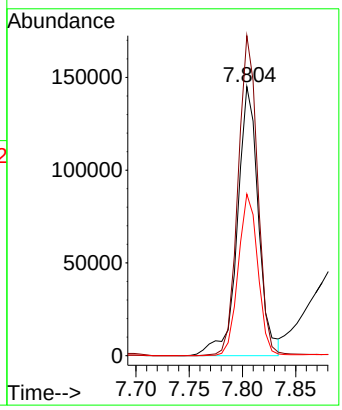


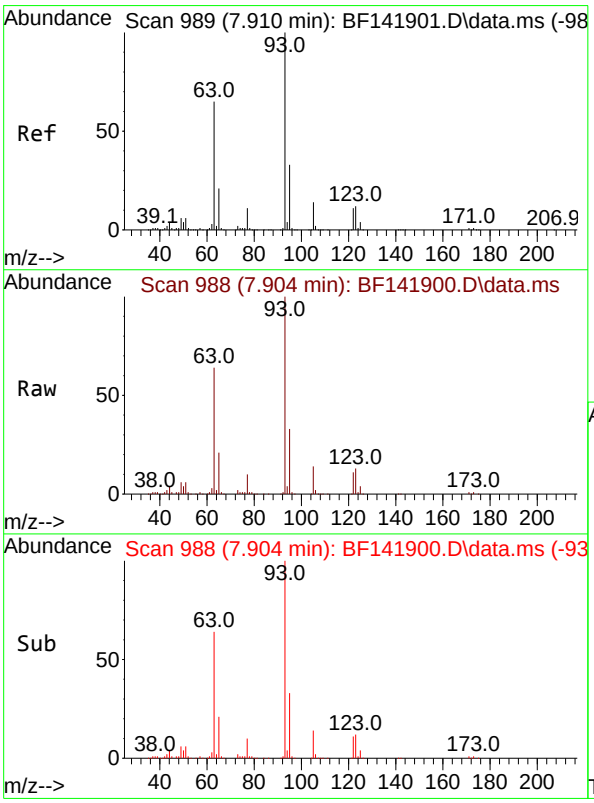
#27
2,4-Dimethylphenol
Concen: 21.009 ng
RT: 7.804 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 200058

Ion	Ratio	Lower	Upper
122	100		
107	118.9	94.8	142.2
121	60.1	47.8	71.6

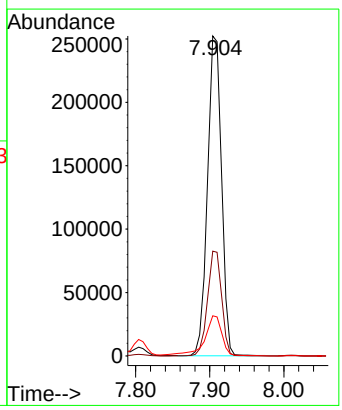


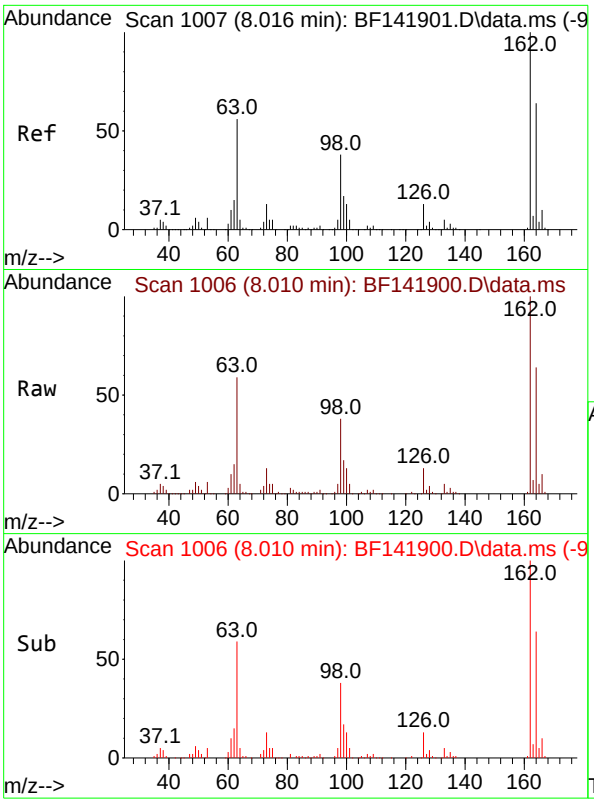


#28
bis(2-Chloroethoxy)methane
Concen: 21.093 ng
RT: 7.904 min Scan# 988
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 93 Resp: 331966

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.6	40.0
123	12.6	10.2	15.4



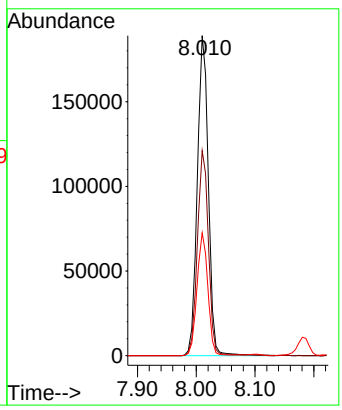


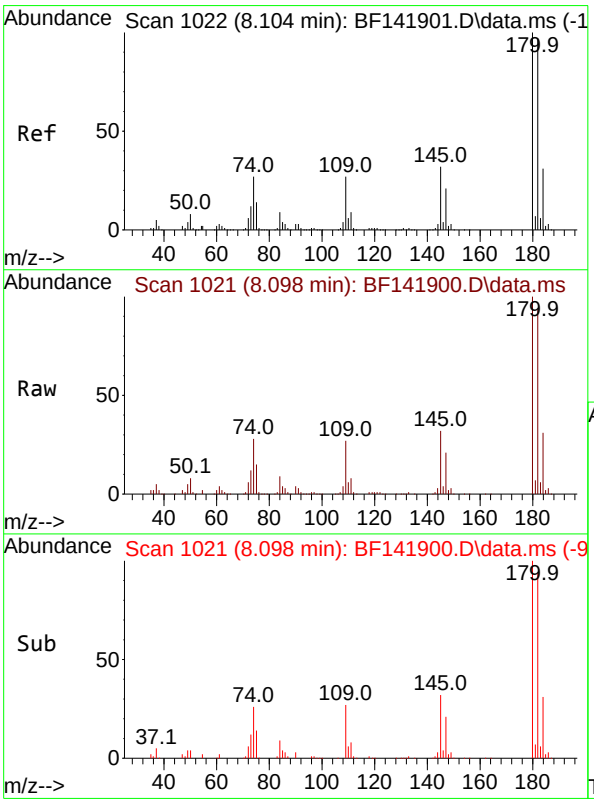
#29
2,4-Dichlorophenol
Concen: 20.884 ng
RT: 8.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 246810

Ion	Ratio	Lower	Upper
162	100		
164	64.0	43.8	83.8
98	38.4	18.1	58.1

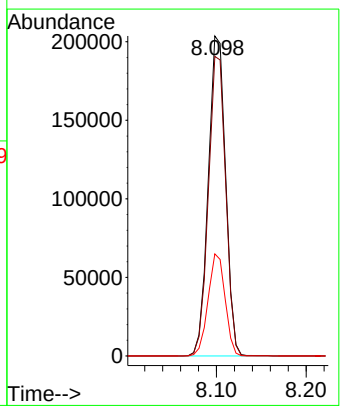


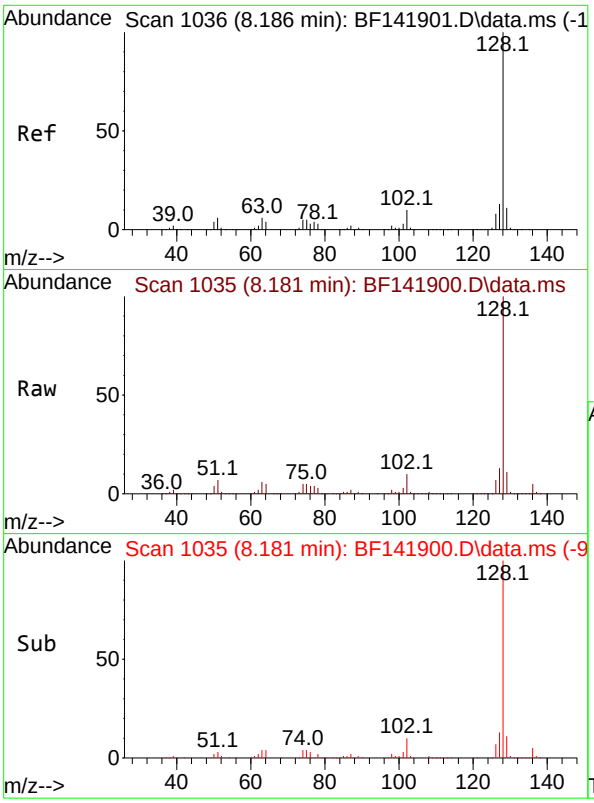


#30
1,2,4-Trichlorobenzene
Concen: 20.922 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:180 Resp: 272773

Ion	Ratio	Lower	Upper
180	100		
182	93.6	77.5	116.3
145	31.9	25.8	38.6



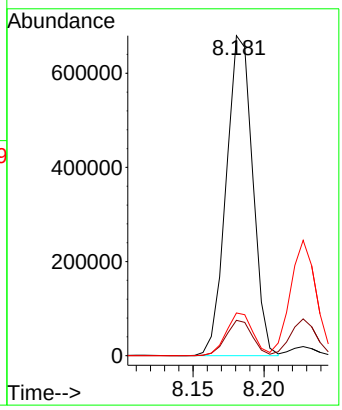


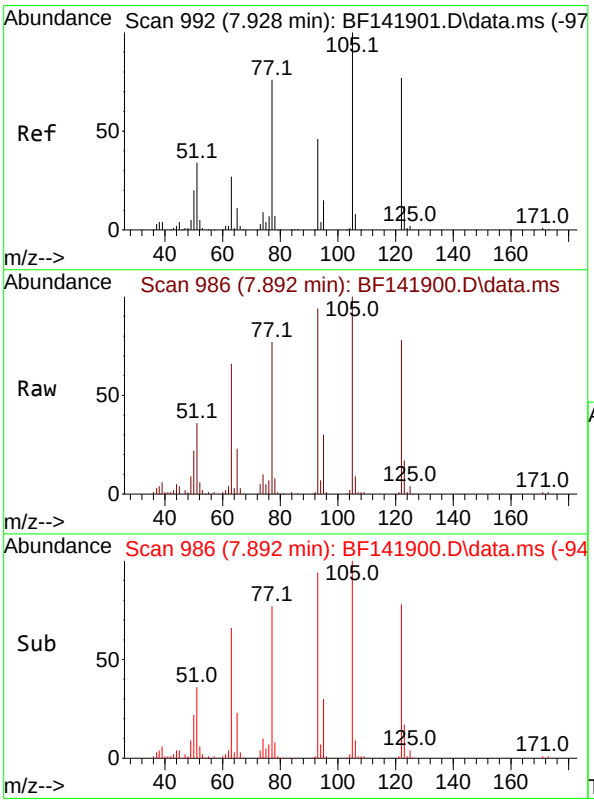
#31
Naphthalene
Concen: 21.487 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 877897

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	13.4	10.8	16.2

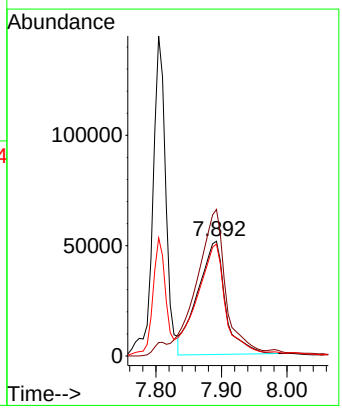


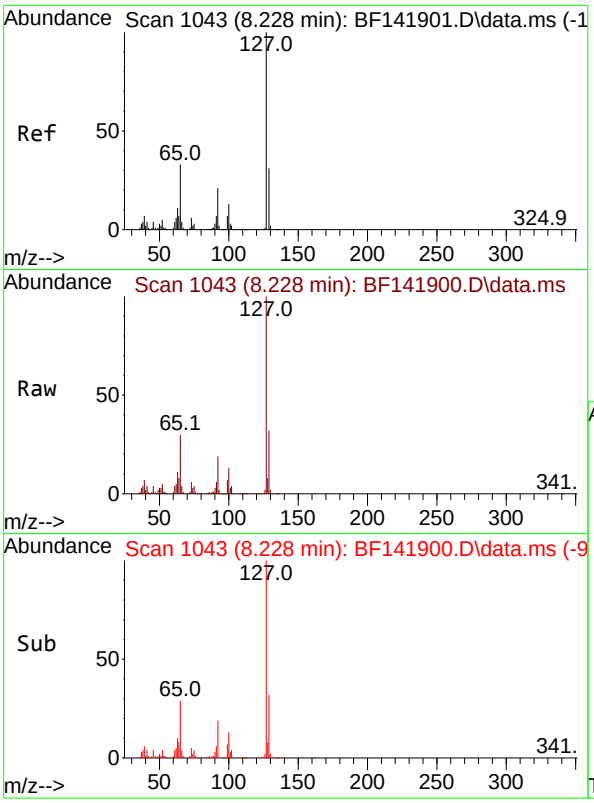


#32
Benzoic acid
Concen: 18.313 ng
RT: 7.892 min Scan# 986
Delta R.T. -0.036 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:122 Resp: 152420

Ion	Ratio	Lower	Upper
122	100		
105	127.6	107.9	147.9
77	97.6	79.0	119.0



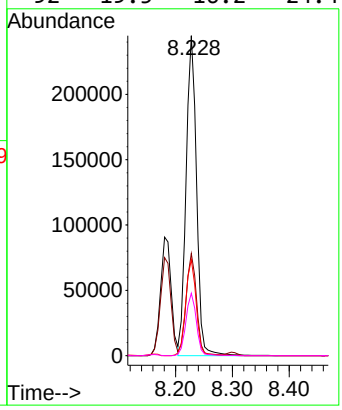


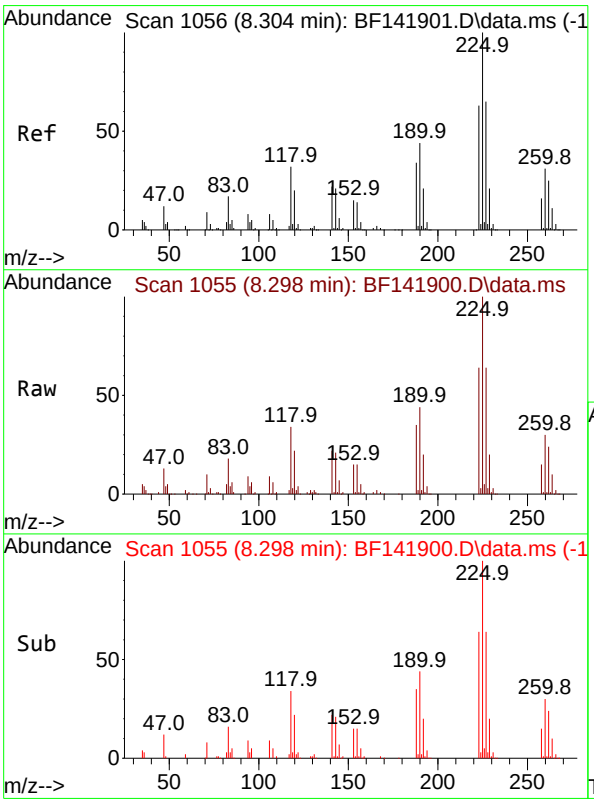
#33
4-Chloroaniline
Concen: 21.726 ng
RT: 8.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 313249

Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.2	39.4
65	30.0	25.4	38.2
92	19.5	16.2	24.4

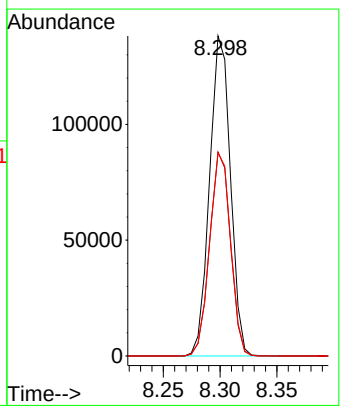


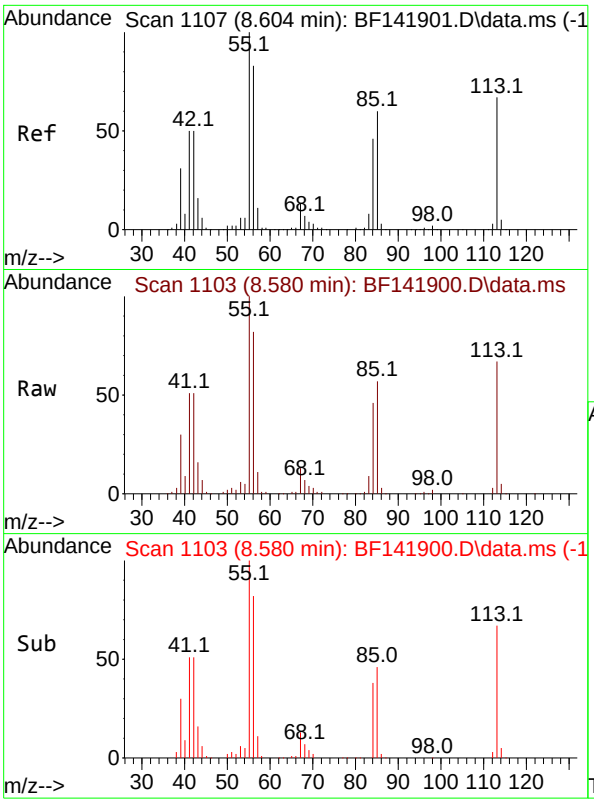


#34
Hexachlorobutadiene
Concen: 20.791 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:225 Resp: 176253

Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.6	75.8
227	63.5	52.2	78.2



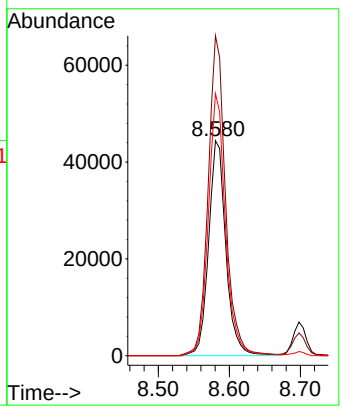


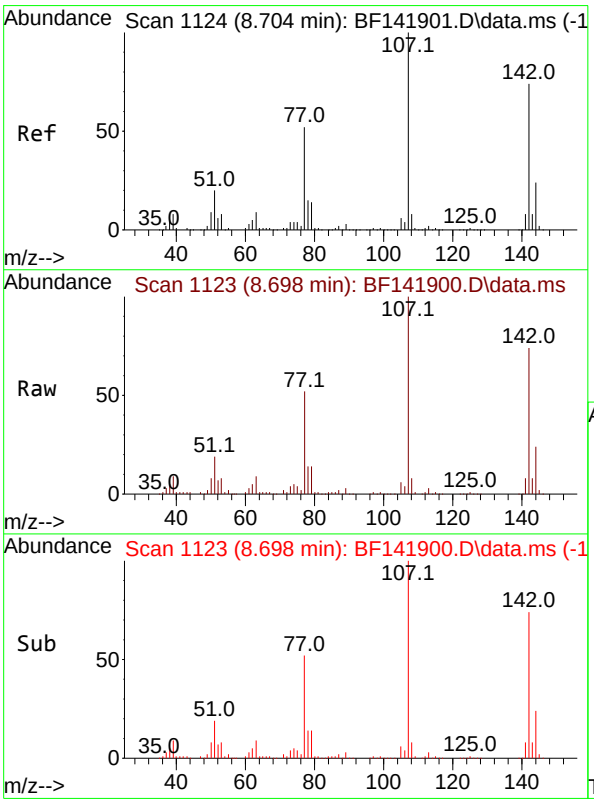
#35
Caprolactam
Concen: 20.884 ng
RT: 8.580 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 75048

Ion	Ratio	Lower	Upper
113	100		
55	148.8	129.6	169.6
56	121.8	104.0	144.0

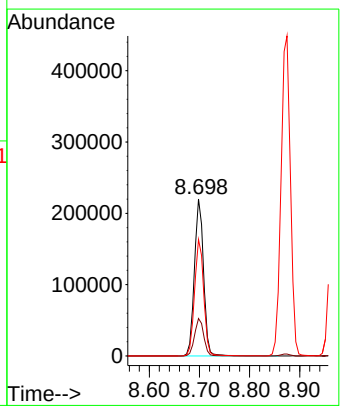


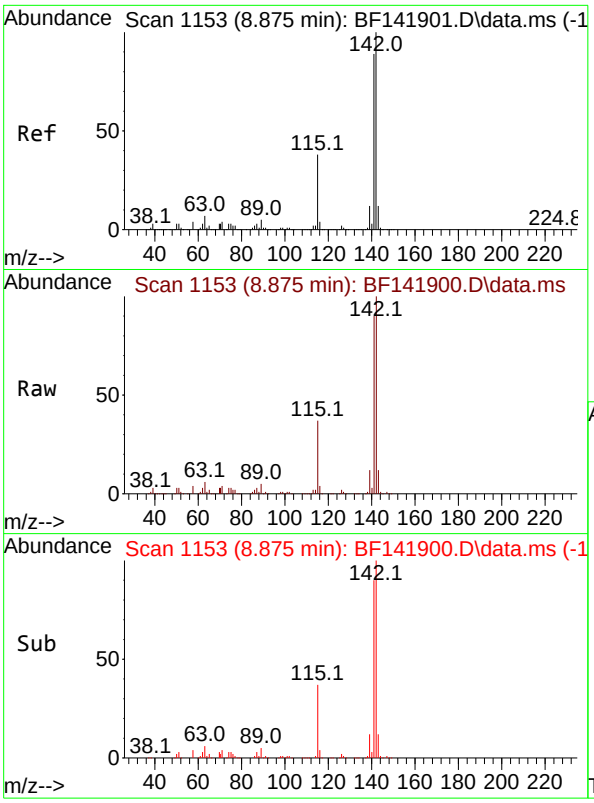


#36
4-Chloro-3-methylphenol
Concen: 21.168 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:107 Resp: 278207

Ion	Ratio	Lower	Upper
107	100		
144	23.9	19.0	28.6
142	74.3	59.2	88.8



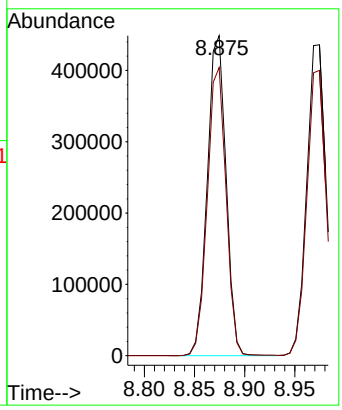


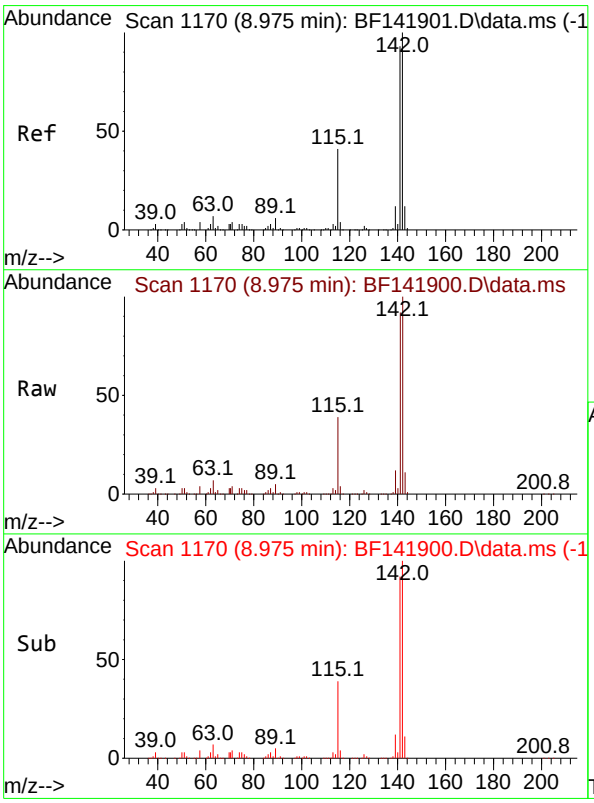
#37
2-Methylnaphthalene
Concen: 21.324 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 584552

Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.2	106.8

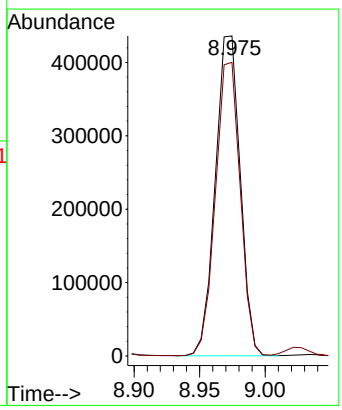


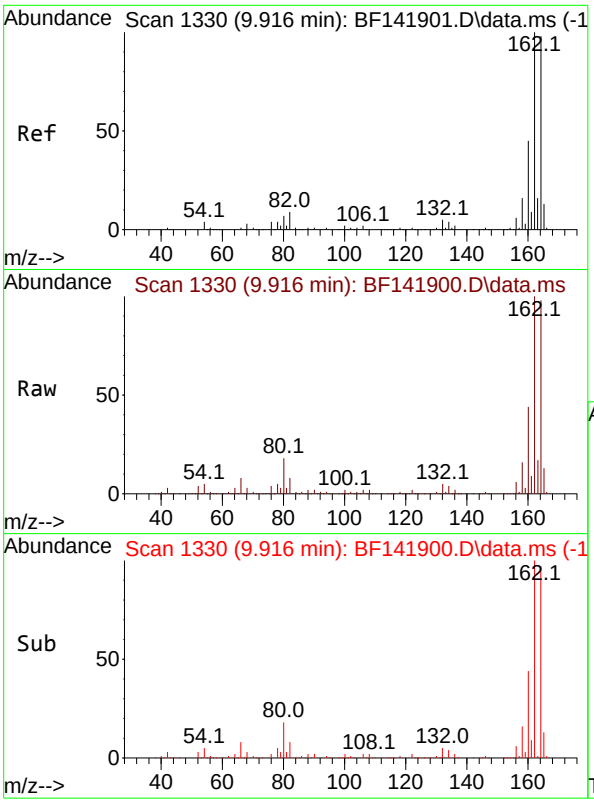


#38
1-Methylnaphthalene
Concen: 21.677 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:142 Resp: 575428

Ion	Ratio	Lower	Upper
142	100		
141	91.8	74.2	111.4



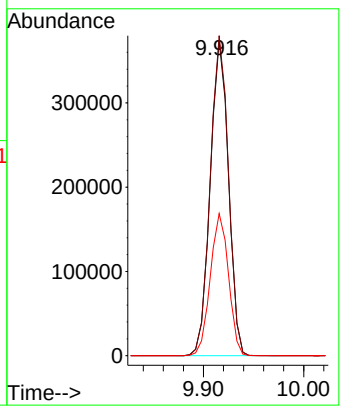


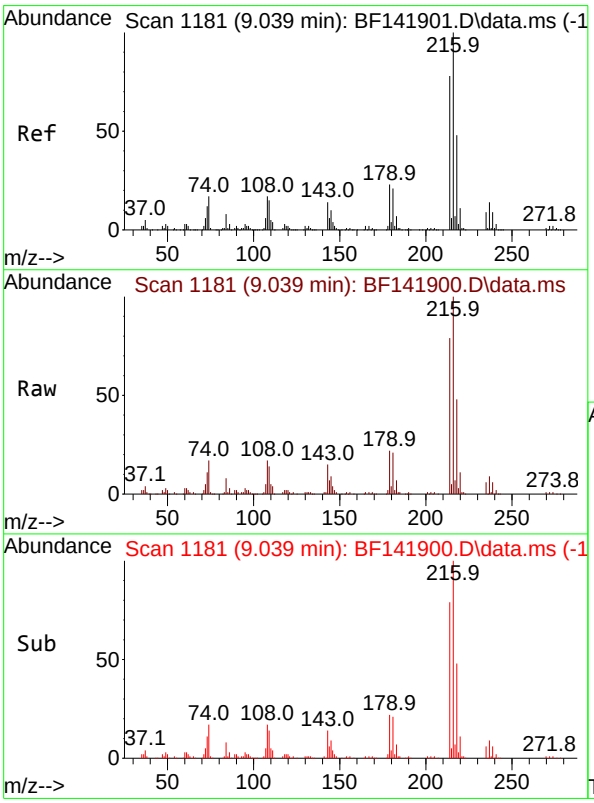
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 470833

Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.8	122.6
160	45.1	36.7	55.1

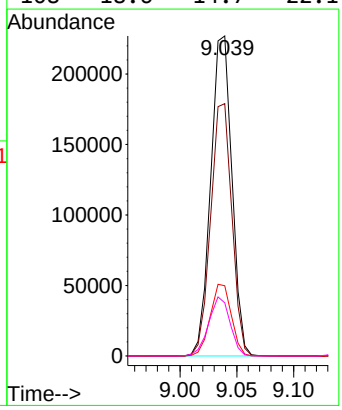


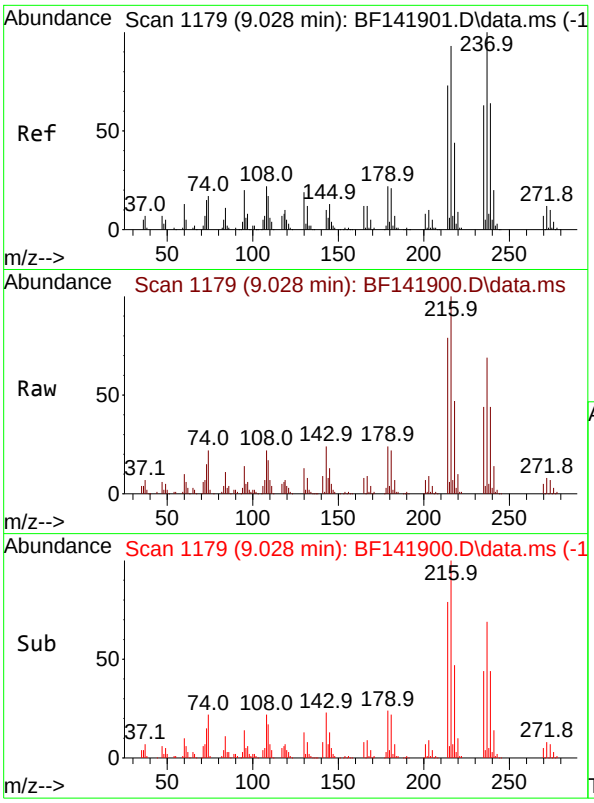


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.538 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:216 Resp: 294845

Ion	Ratio	Lower	Upper
216	100		
214	78.7	61.9	92.9
179	22.3	18.1	27.1
108	18.6	14.7	22.1



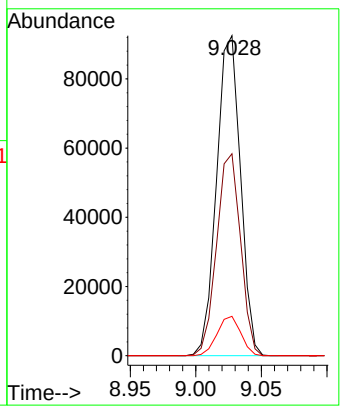


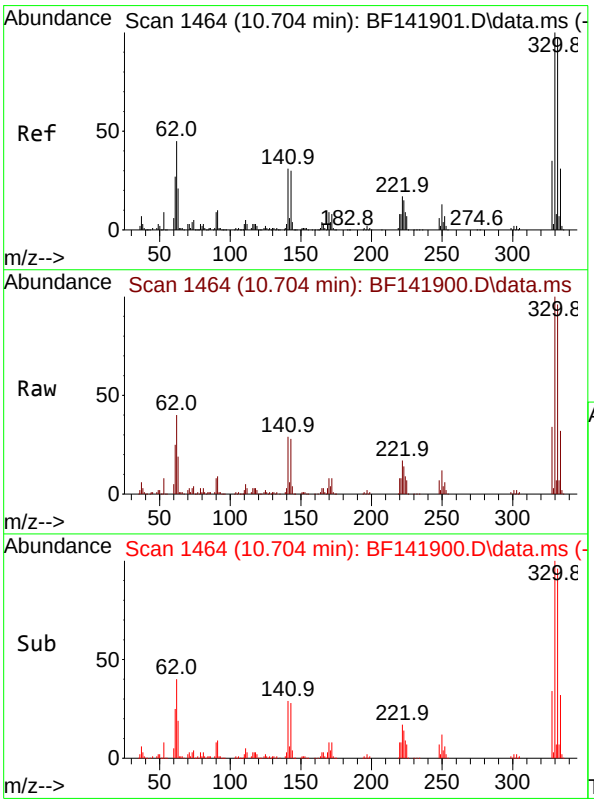
#41
Hexachlorocyclopentadiene
Concen: 20.685 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 117174

Ion	Ratio	Lower	Upper
237	100		
235	63.1	43.1	83.1
272	12.3	0.0	32.0

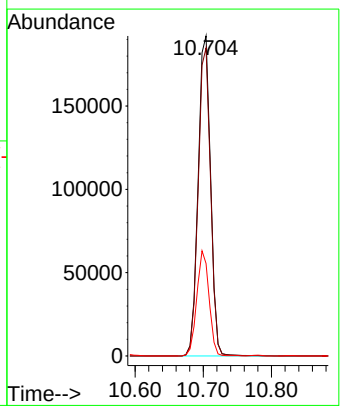


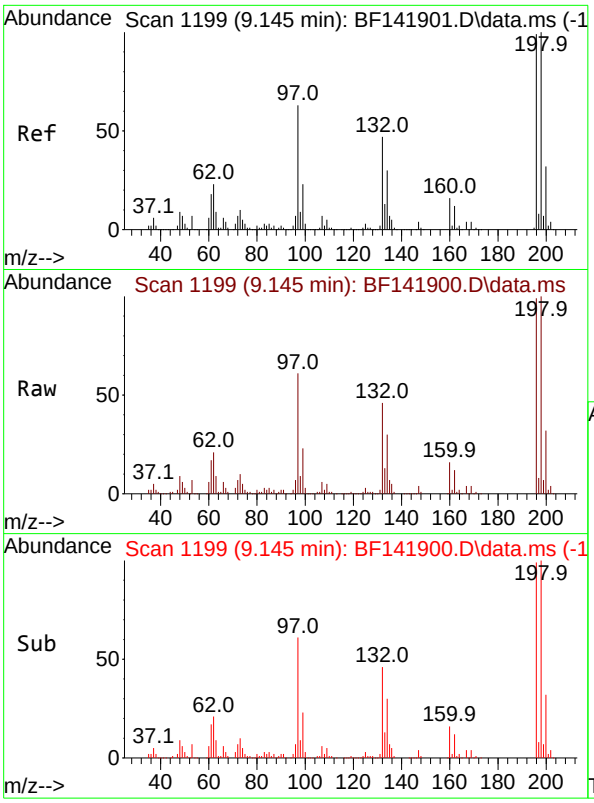


#42
2,4,6-Tribromophenol
Concen: 40.869 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:330 Resp: 243832

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.6	116.4
141	32.4	24.7	37.1



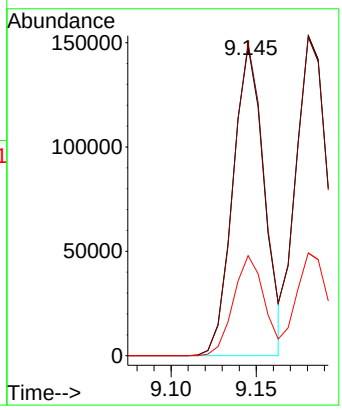


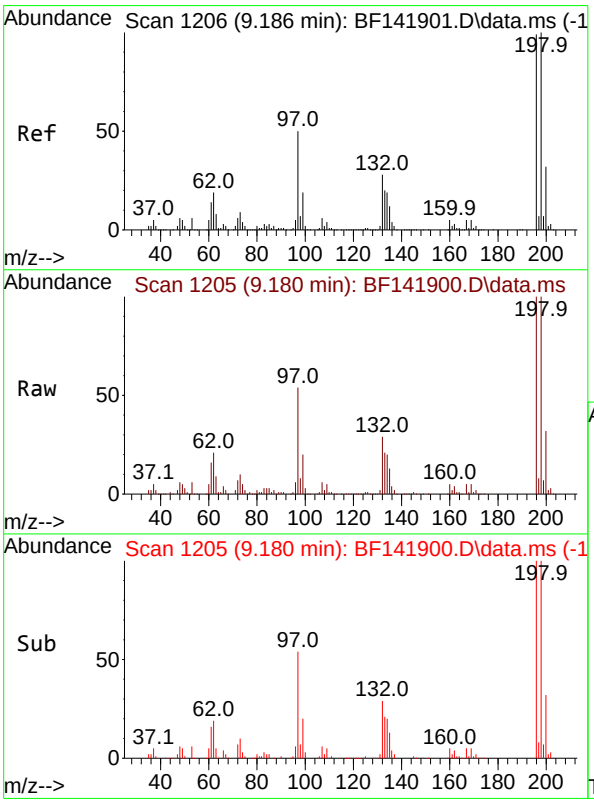
#43
2,4,6-Trichlorophenol
Concen: 20.203 ng
RT: 9.145 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 189069

Ion	Ratio	Lower	Upper
196	100		
198	100.9	80.6	121.0
200	32.3	25.8	38.6

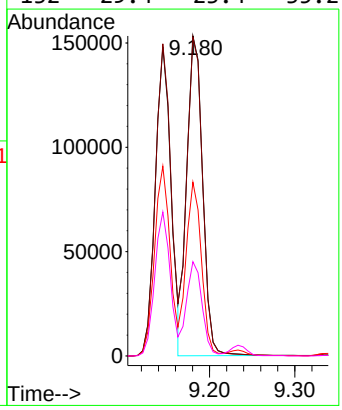


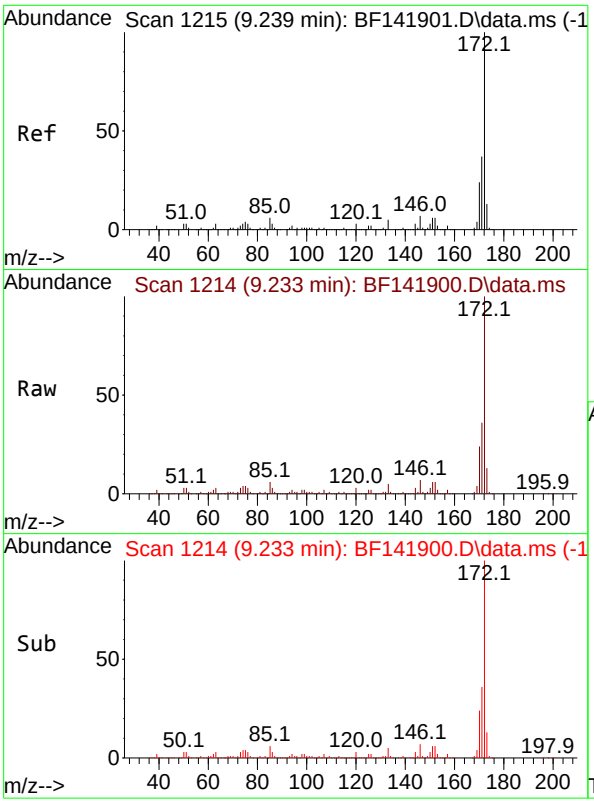


#44
2,4,5-Trichlorophenol
Concen: 20.912 ng
RT: 9.180 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:196 Resp: 198841

Ion	Ratio	Lower	Upper
196	100		
198	99.6	80.7	121.1
97	54.3	42.1	63.1
132	29.4	23.4	35.2



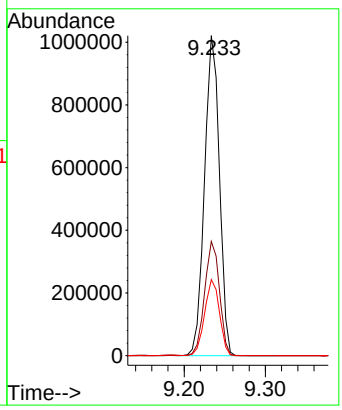


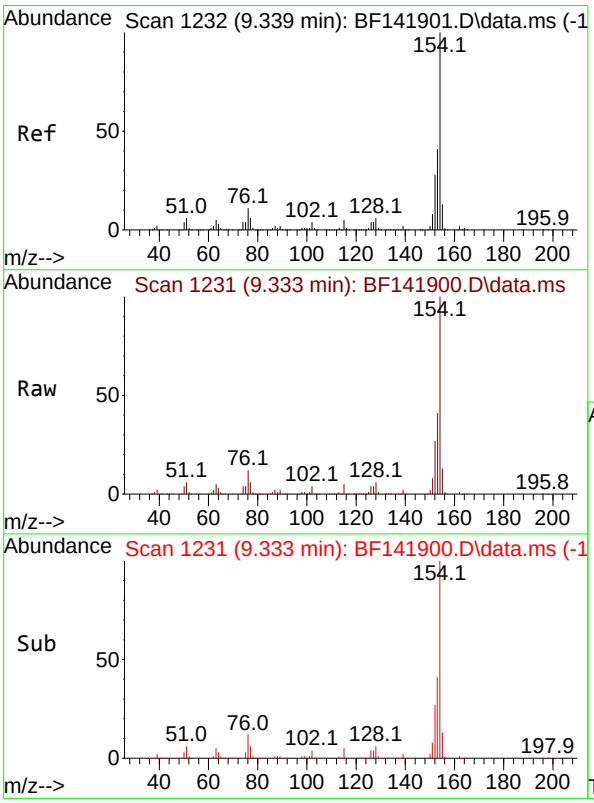
#45
2-Fluorobiphenyl
Concen: 42.002 ng
RT: 9.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 1298709

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.3	43.9
170	23.7	19.4	29.0

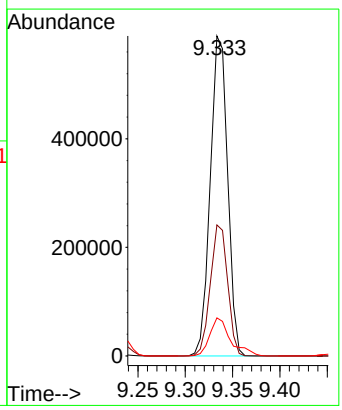


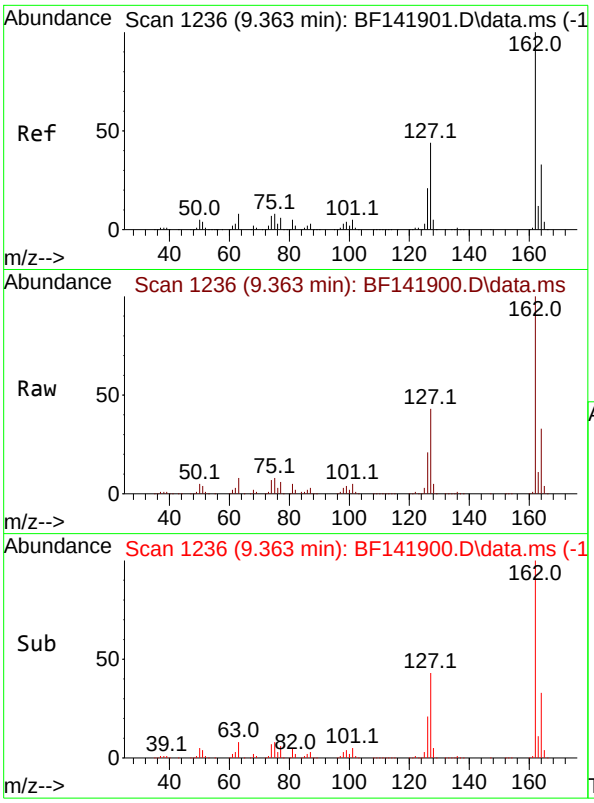


#46
1,1'-Biphenyl
Concen: 20.985 ng
RT: 9.333 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:154 Resp: 749087

Ion	Ratio	Lower	Upper
154	100		
153	41.0	21.1	61.1
76	11.9	0.0	31.3



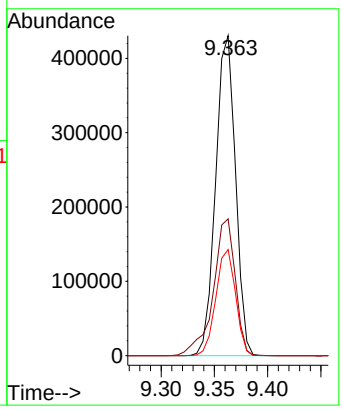


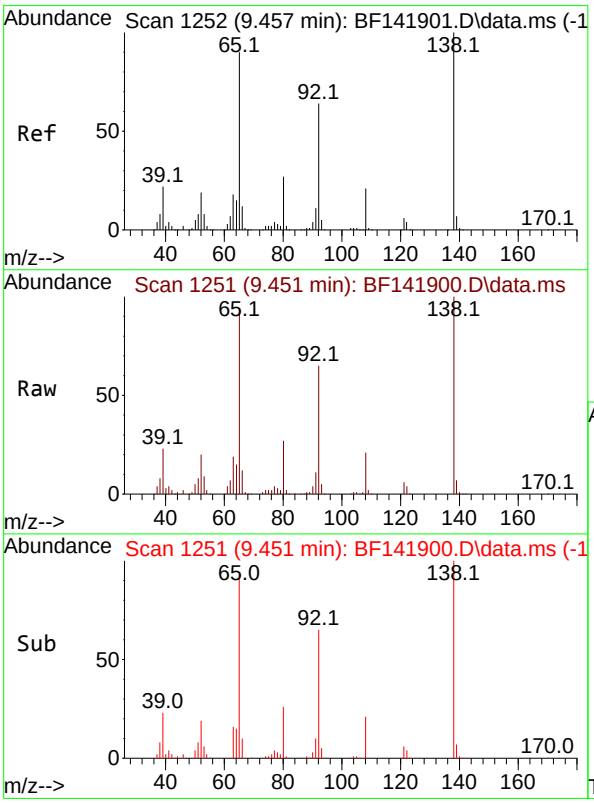
#47
2-Chloronaphthalene
Concen: 20.898 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 555946

Ion	Ratio	Lower	Upper
162	100		
127	42.8	35.5	53.3
164	33.1	26.6	40.0

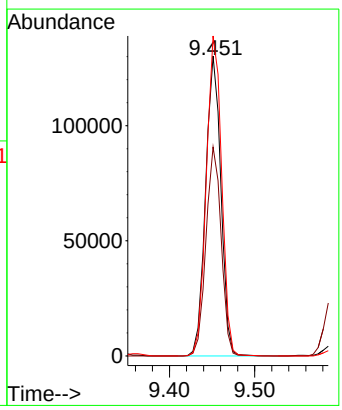


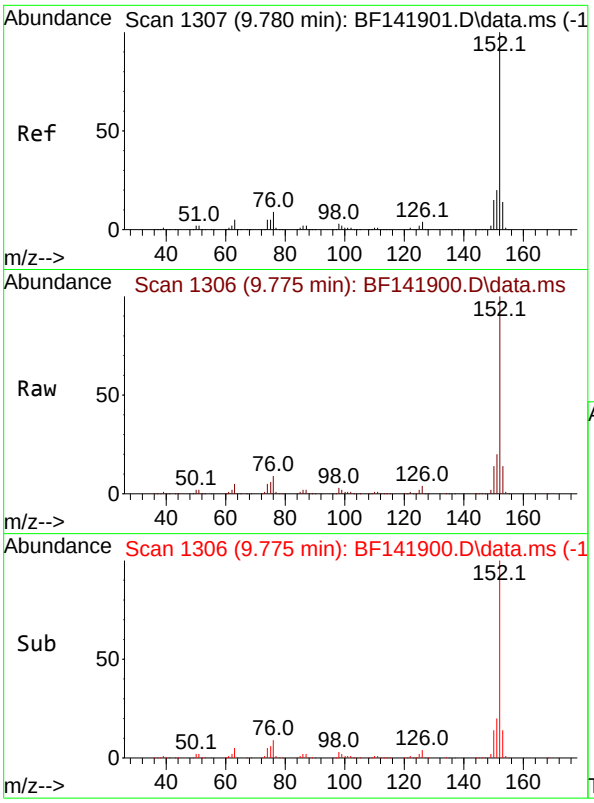


#48
2-Nitroaniline
Concen: 21.302 ng
RT: 9.451 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 65 Resp: 162790

Ion	Ratio	Lower	Upper
65	100		
92	69.7	56.6	84.8
138	106.7	88.6	133.0



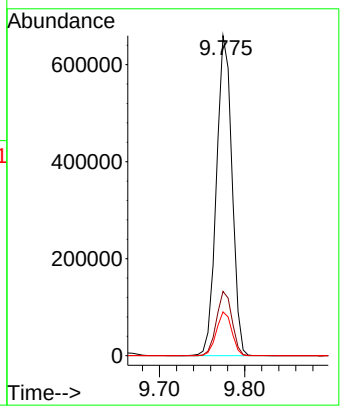


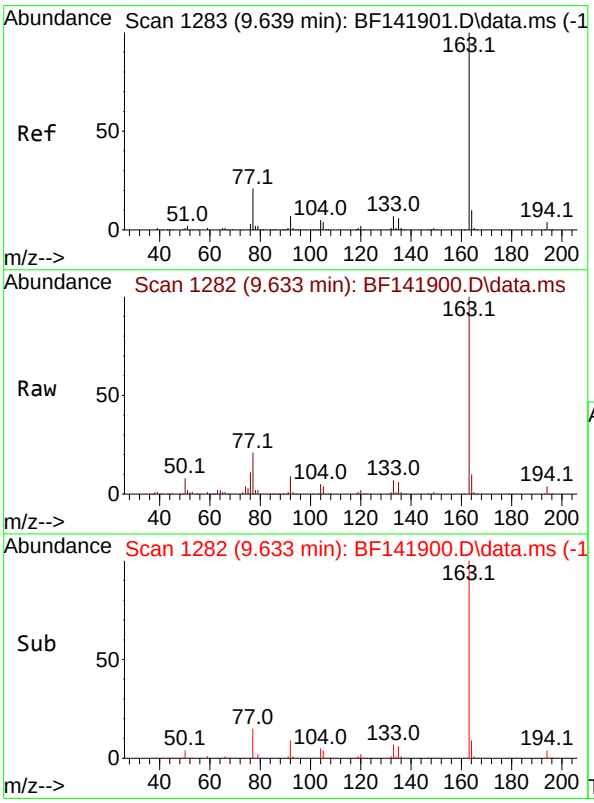
#49
Acenaphthylene
Concen: 21.222 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 837016

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.3	24.5
153	13.7	11.1	16.7

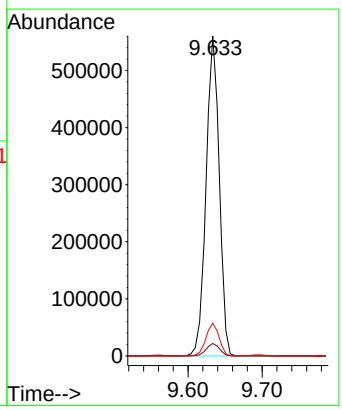


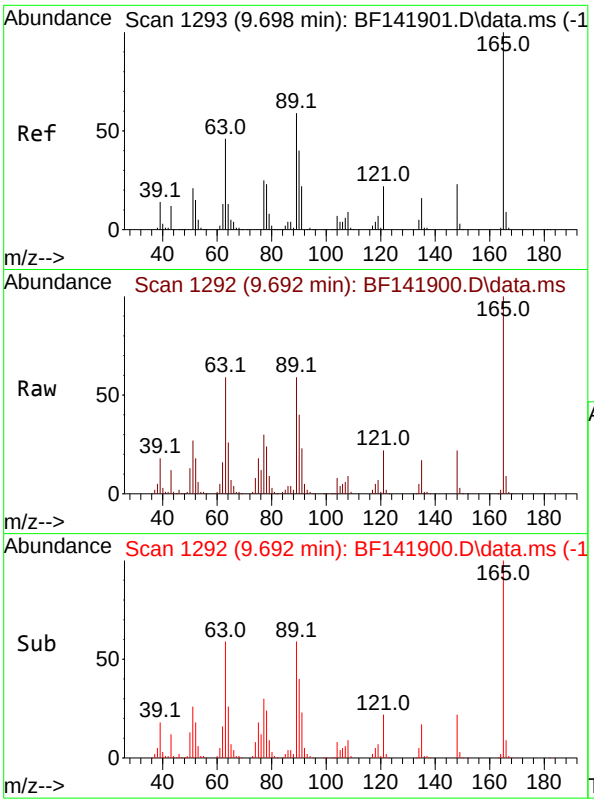


#50
Dimethylphthalate
Concen: 21.137 ng
RT: 9.633 min Scan# 1282
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:163 Resp: 691454

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.3	8.2	12.4



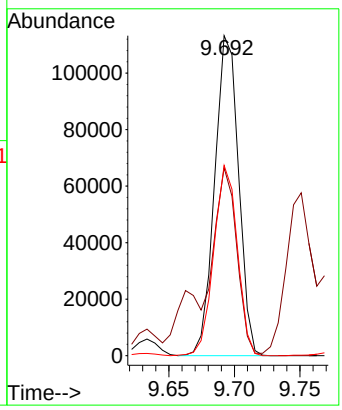


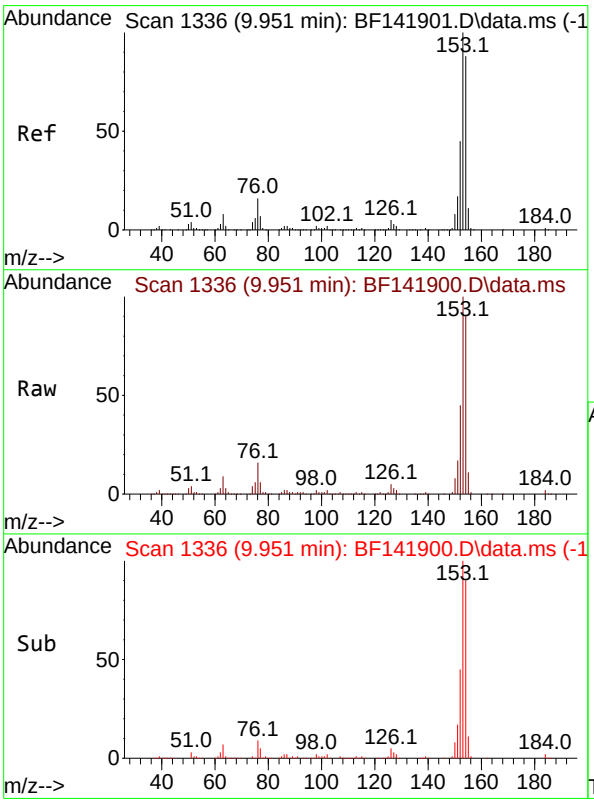
#51
2,6-Dinitrotoluene
Concen: 21.096 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 143513

Ion	Ratio	Lower	Upper
165	100		
63	58.7	47.0	70.4
89	59.5	47.4	71.2

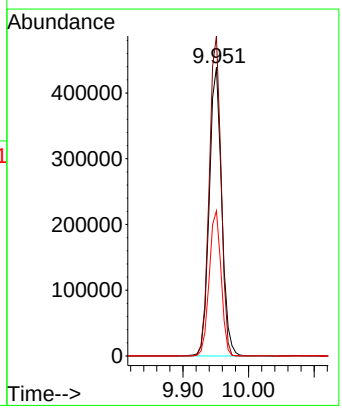


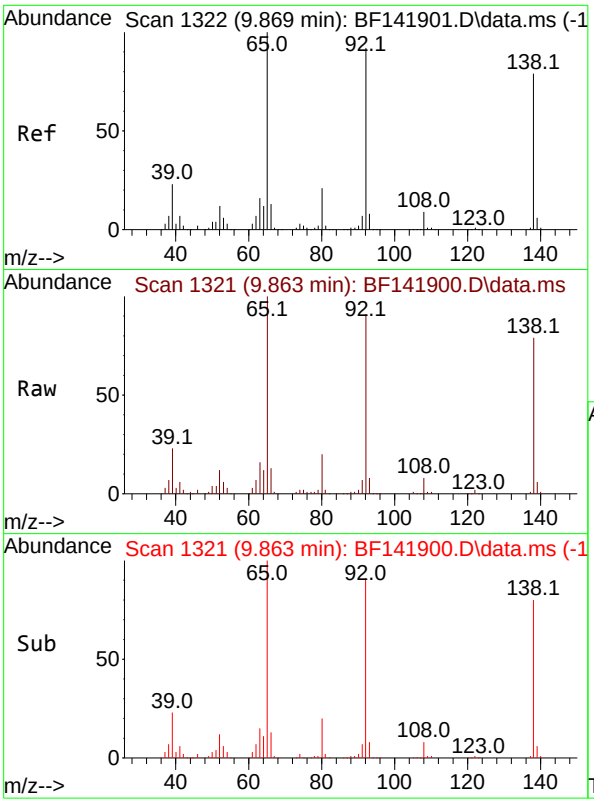


#52
Acenaphthene
Concen: 20.813 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:154 Resp: 579623

Ion	Ratio	Lower	Upper
154	100		
153	110.9	90.7	136.1
152	50.3	41.1	61.7



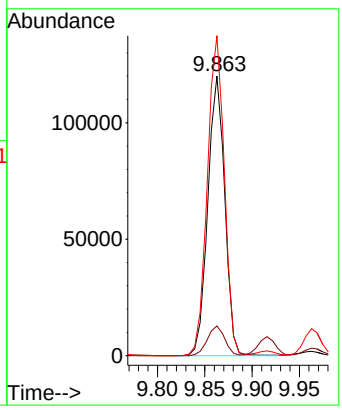


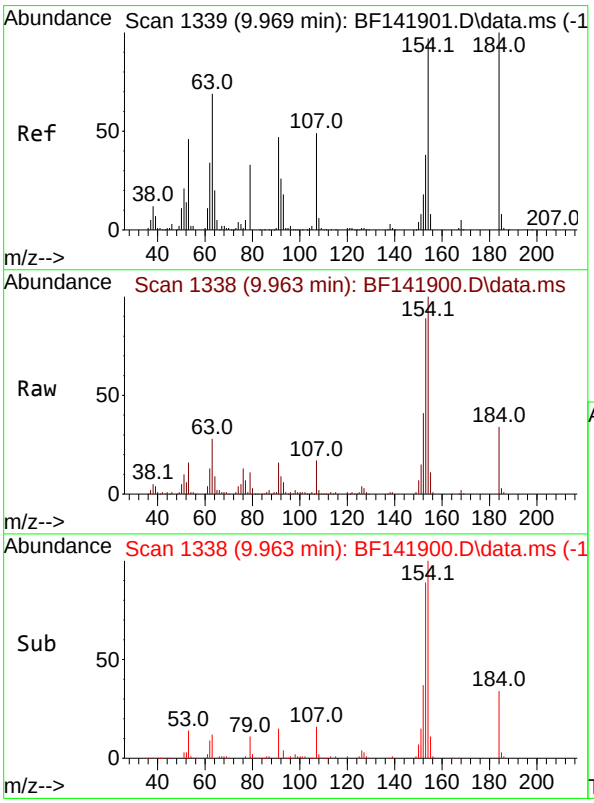
#53
3-Nitroaniline
Concen: 21.327 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 148977

Ion	Ratio	Lower	Upper
138	100		
108	10.6	9.3	13.9
92	114.5	93.5	140.3

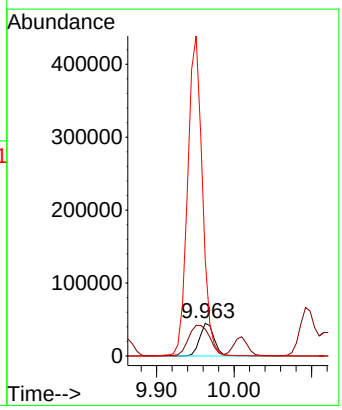


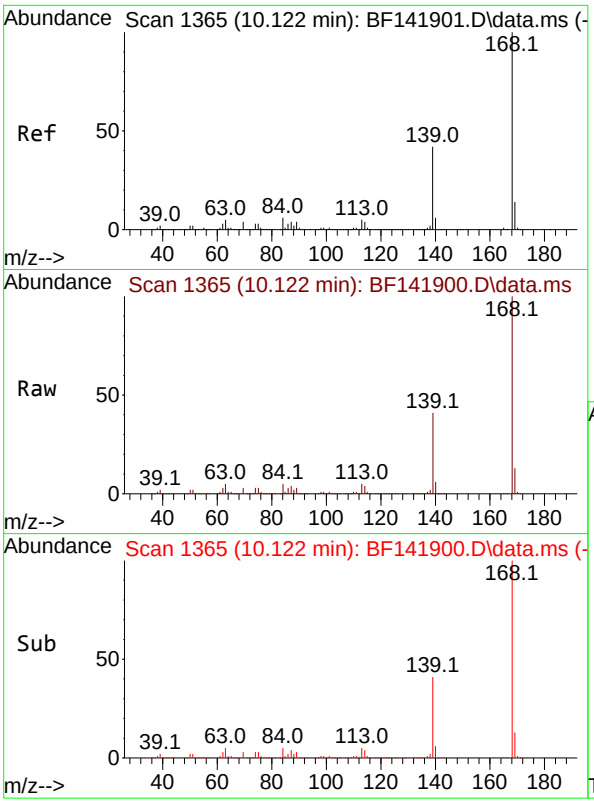


#54
2,4-Dinitrophenol
Concen: 20.368 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:184 Resp: 58223

Ion	Ratio	Lower	Upper
184	100		
63	82.2	60.2	90.4
154	293.5	132.9	199.3#



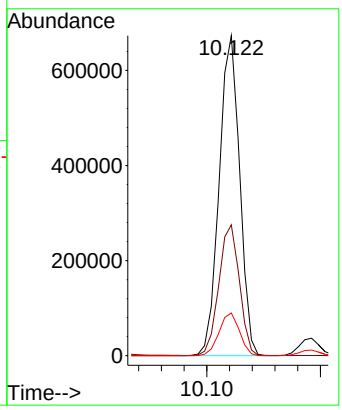


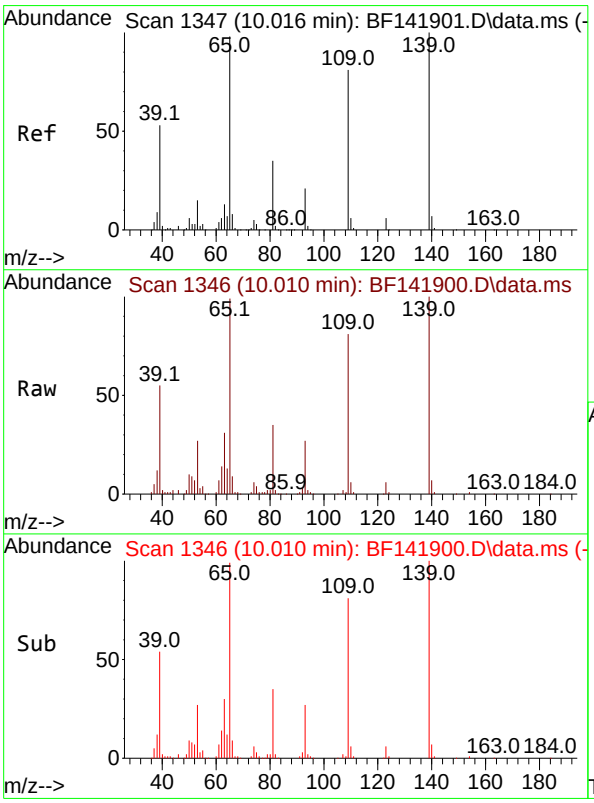
#55
Dibenzofuran
Concen: 21.238 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 843359

Ion	Ratio	Lower	Upper
168	100		
139	40.9	33.9	50.9
169	13.3	11.0	16.4

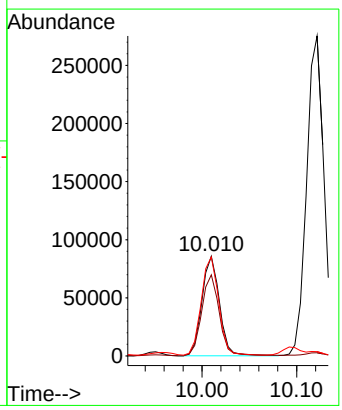


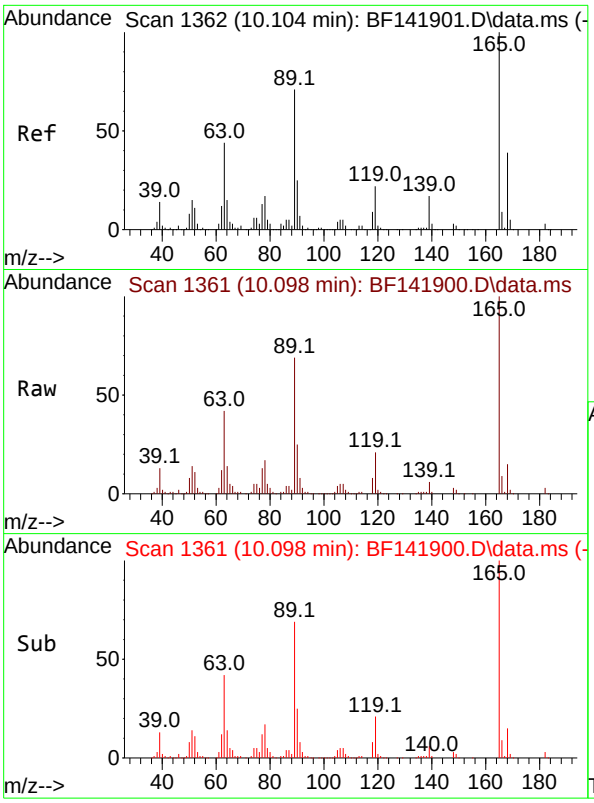


#56
4-Nitrophenol
Concen: 20.955 ng
RT: 10.010 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:139 Resp: 109958

Ion	Ratio	Lower	Upper
139	100		
109	81.5	61.6	101.6
65	99.4	79.4	119.4



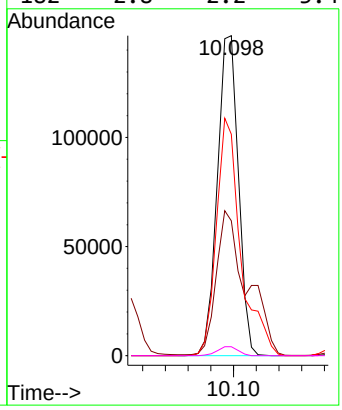


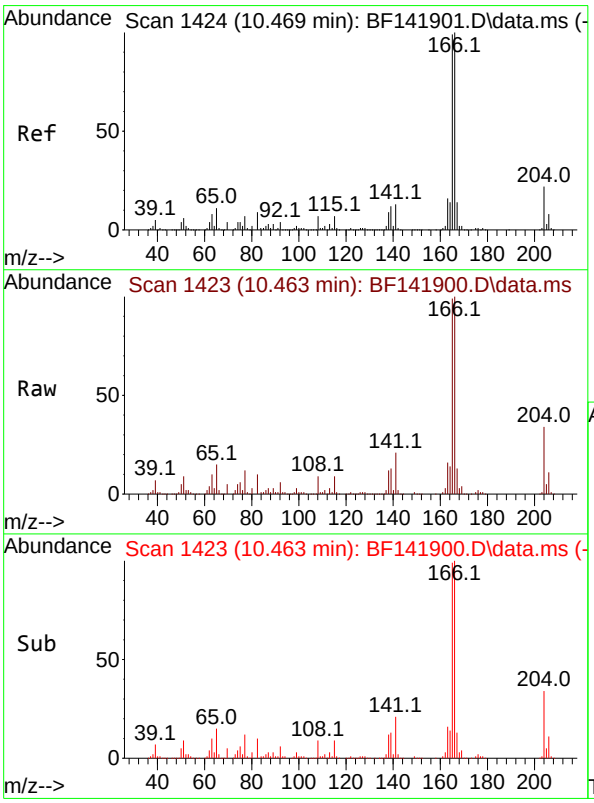
#57
2,4-Dinitrotoluene
Concen: 21.132 ng
RT: 10.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 189234

Ion	Ratio	Lower	Upper
165	100		
63	42.1	35.4	53.2
89	69.2	56.6	84.8
182	2.8	2.2	3.4

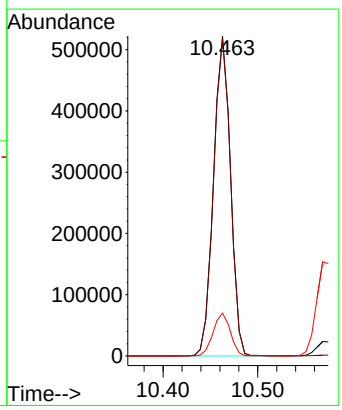


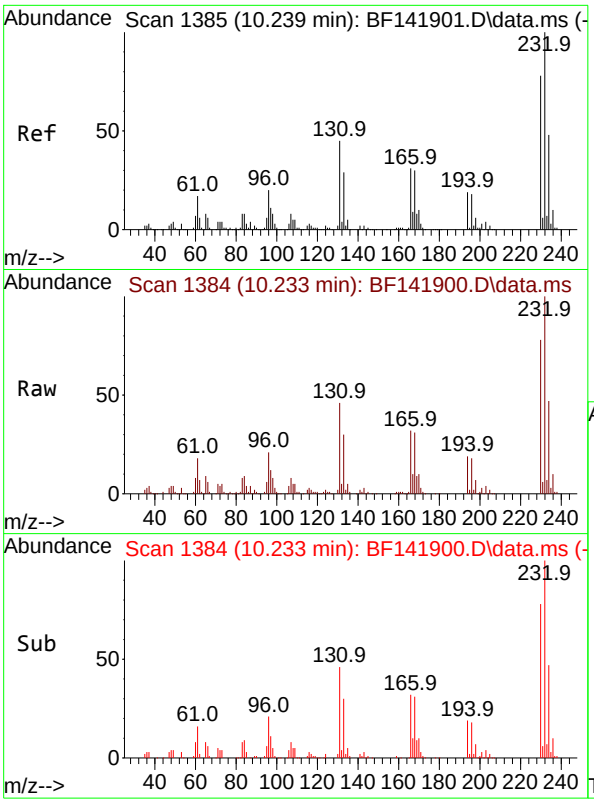


#58
Fluorene
Concen: 21.211 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:166 Resp: 650245

Ion	Ratio	Lower	Upper
166	100		
165	99.2	79.0	118.4
167	13.4	11.0	16.4



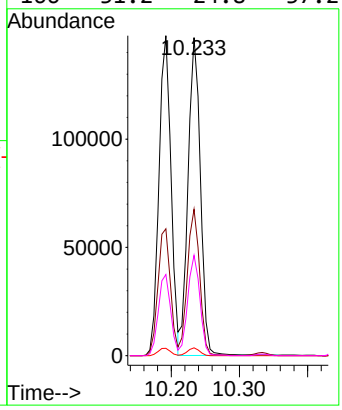


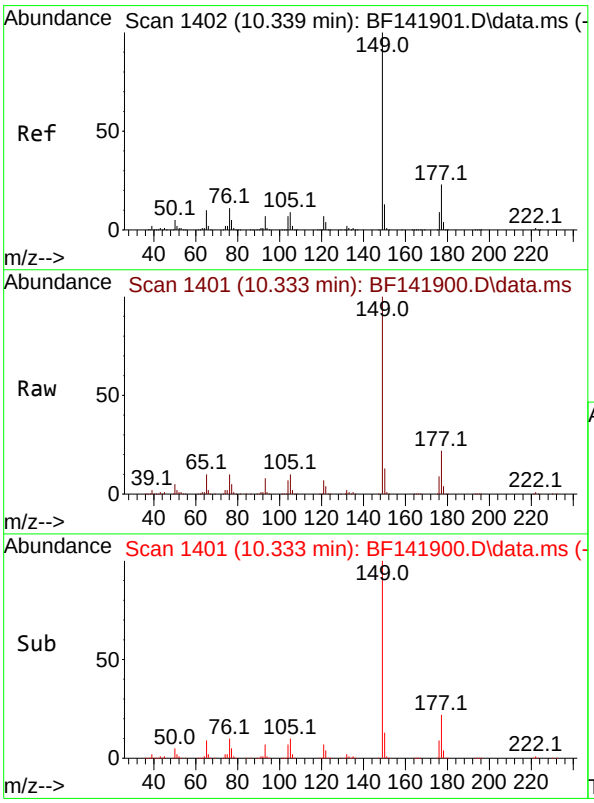
#59
2,3,4,6-Tetrachlorophenol
Concen: 21.272 ng
RT: 10.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 183513

Ion	Ratio	Lower	Upper
232	100		
131	46.0	37.3	55.9
130	2.4	1.9	2.9
166	31.2	24.8	37.2

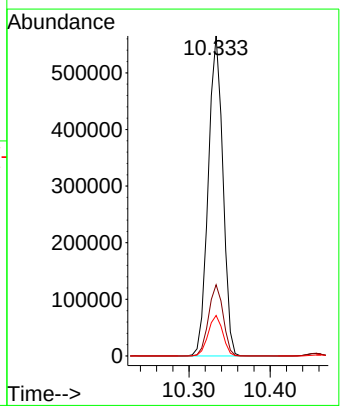


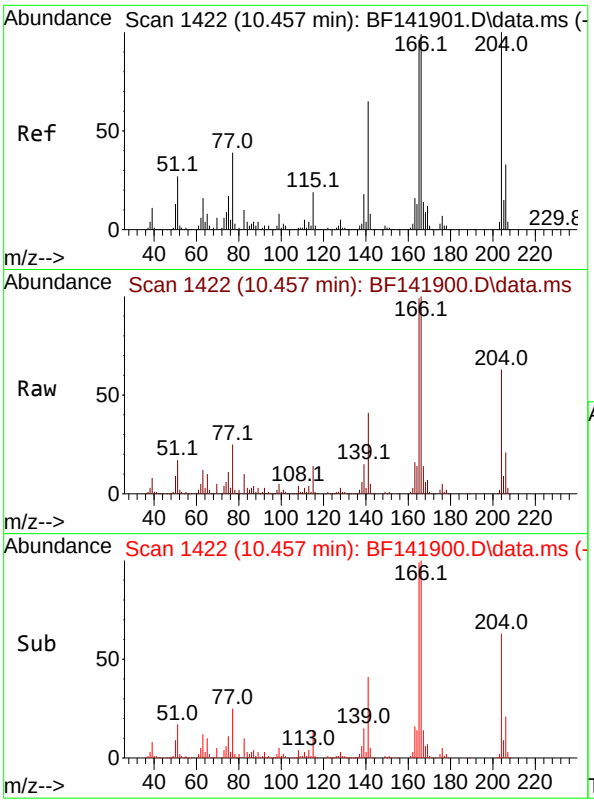


#60
Diethylphthalate
Concen: 21.468 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:149 Resp: 704993

Ion	Ratio	Lower	Upper
149	100		
177	22.3	18.0	27.0
150	12.6	10.2	15.4



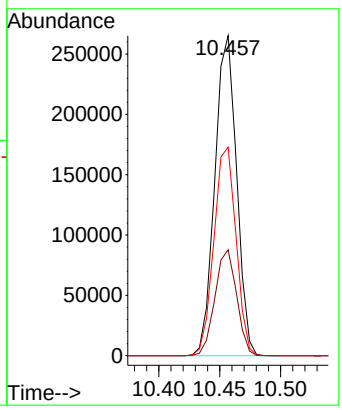


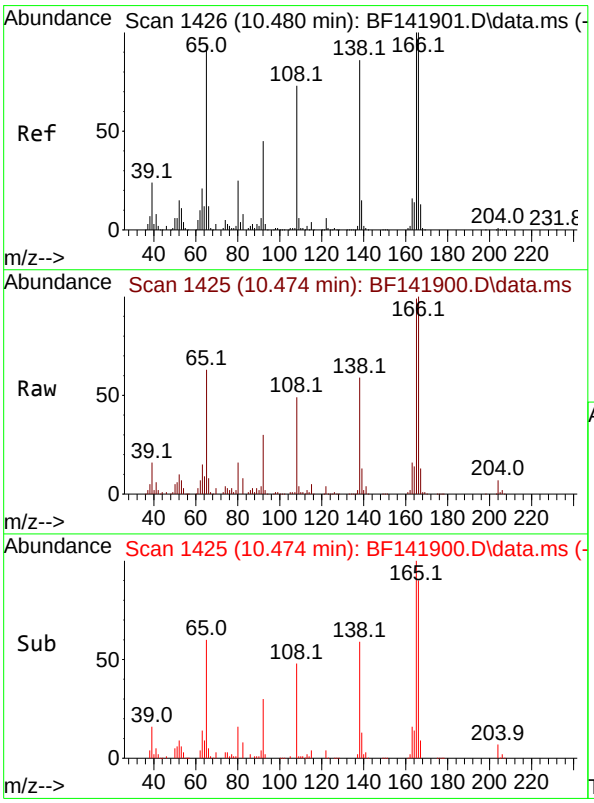
#61
4-Chlorophenyl-phenylether
Concen: 20.698 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 330489

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.8	40.2
141	65.1	52.4	78.6

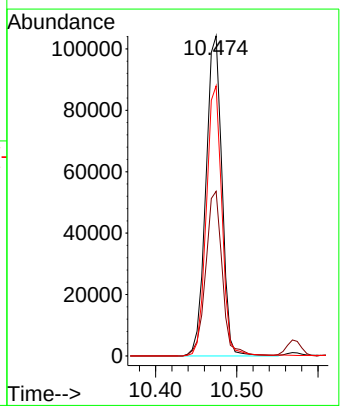


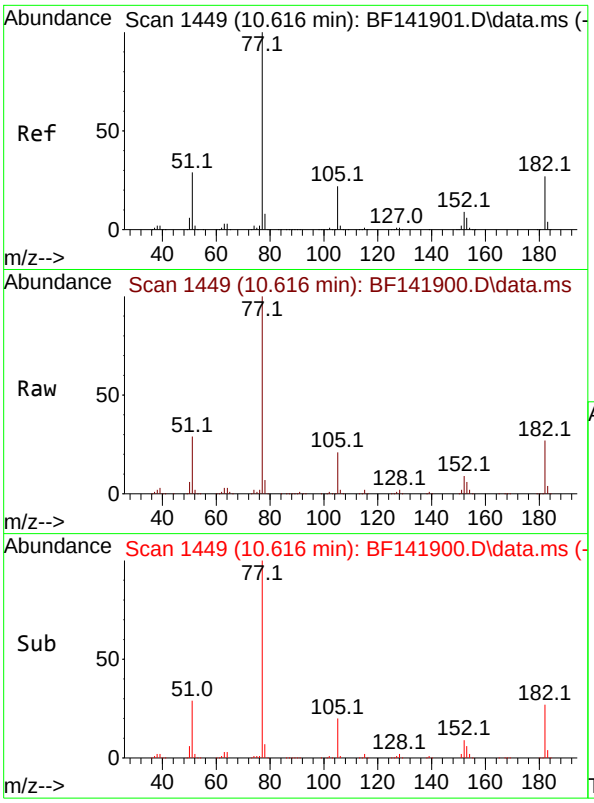


#62
4-Nitroaniline
Concen: 21.125 ng
RT: 10.474 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:138 Resp: 142995

Ion	Ratio	Lower	Upper
138	100		
92	51.4	32.6	72.6
108	84.4	65.0	105.0



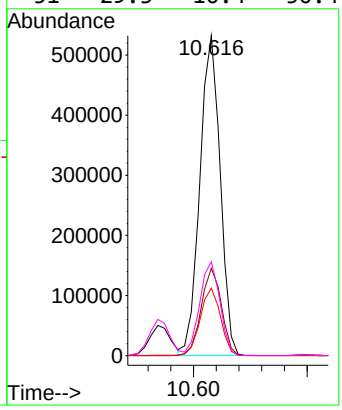


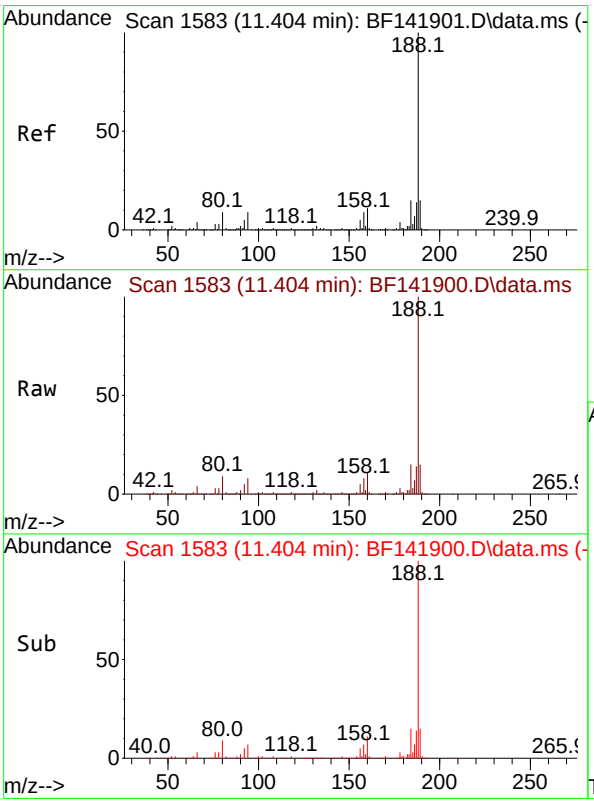
#63
Azobenzene
Concen: 21.665 ng
RT: 10.616 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 660935

Ion	Ratio	Lower	Upper
77	100		
182	27.3	6.6	46.6
105	21.2	1.3	41.3
51	29.3	10.4	50.4

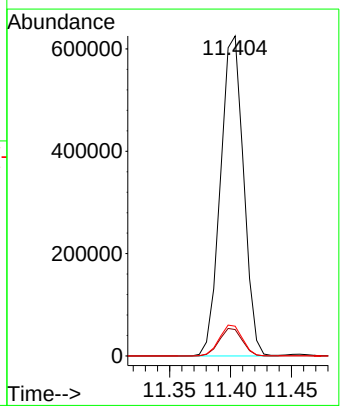


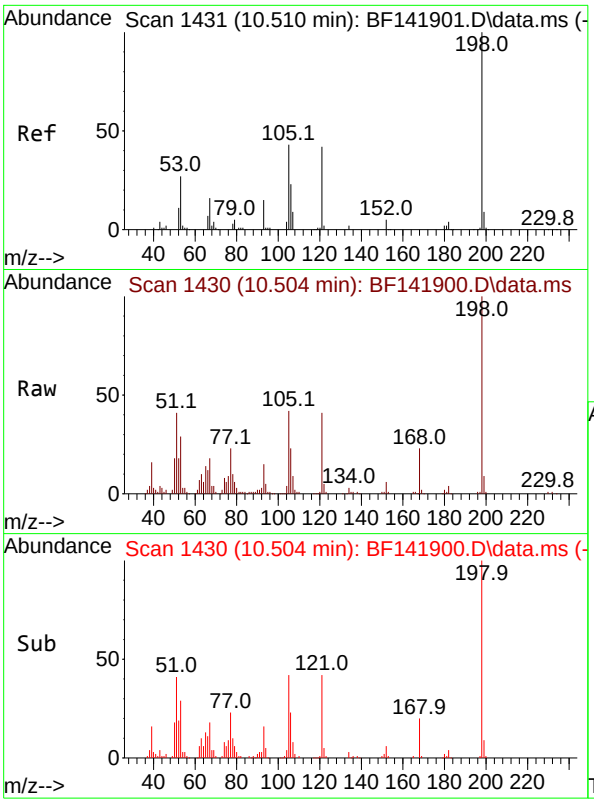


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:188 Resp: 826085

Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.8	10.2
80	9.3	7.6	11.4



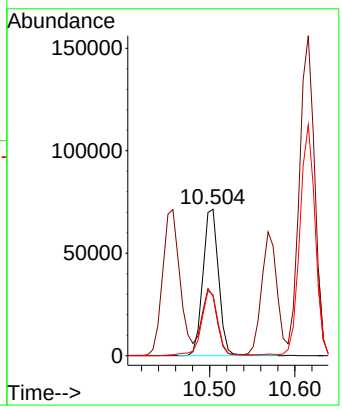


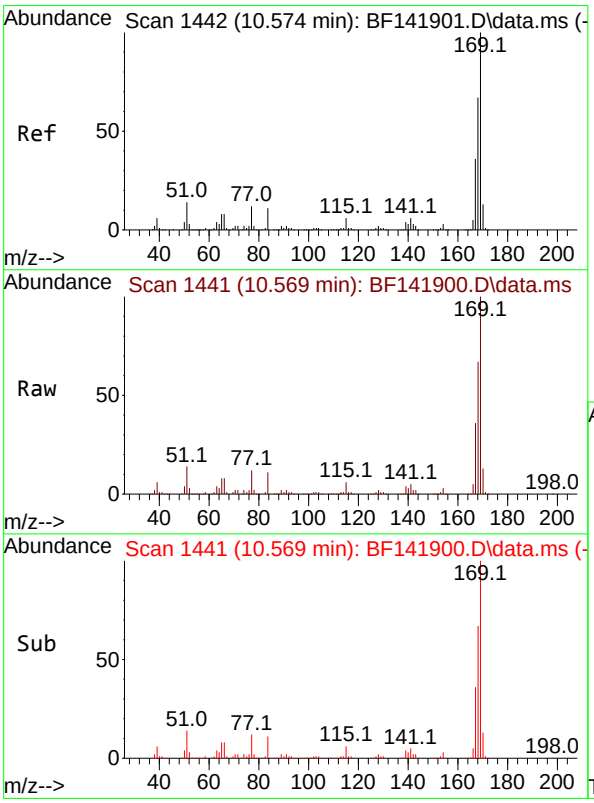
#65
4,6-Dinitro-2-methylphenol
Concen: 18.755 ng
RT: 10.504 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 91852

Ion	Ratio	Lower	Upper
198	100		
51	40.7	22.3	62.3
105	41.6	23.0	63.0

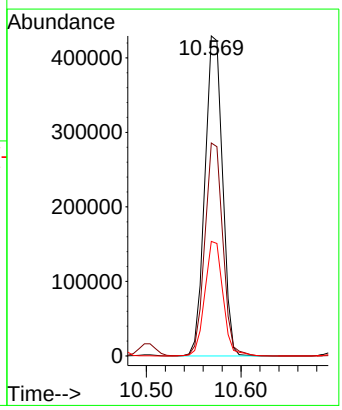


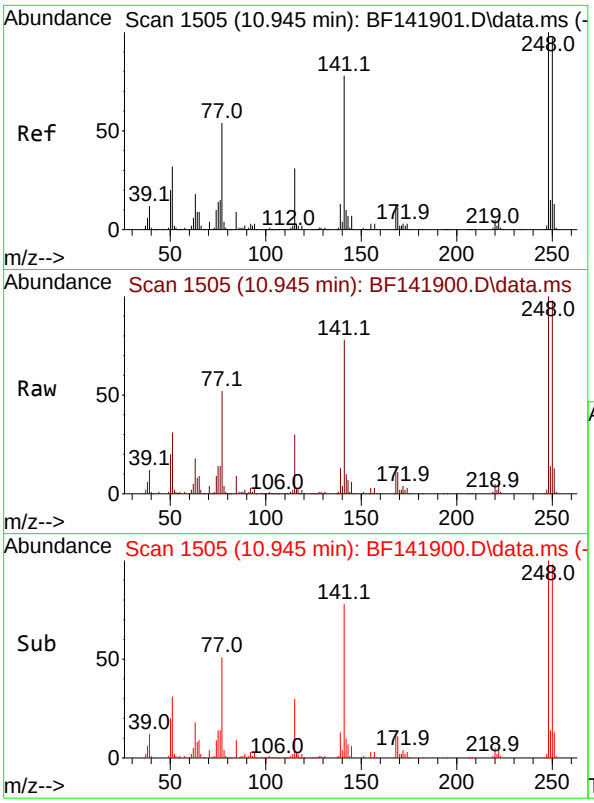


#66
n-Nitrosodiphenylamine
Concen: 20.756 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:169 Resp: 553905

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.7	80.5
167	35.8	29.2	43.8



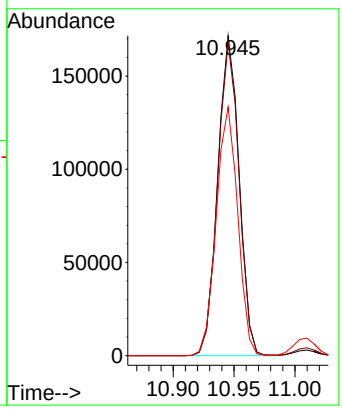


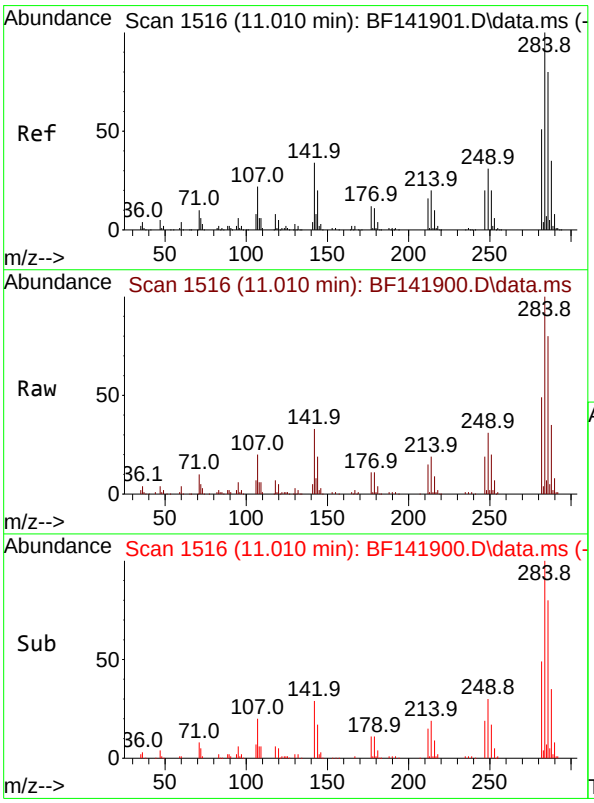
#67
4-Bromophenyl-phenylether
Concen: 20.436 ng
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 210241

Ion	Ratio	Lower	Upper
248	100		
250	97.7	77.8	116.8
141	77.7	62.6	93.8

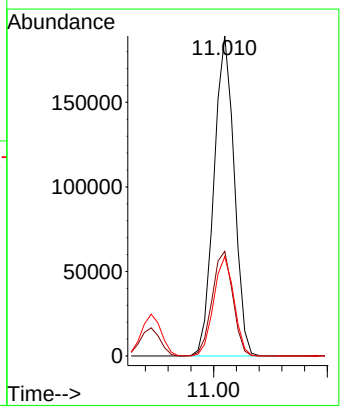


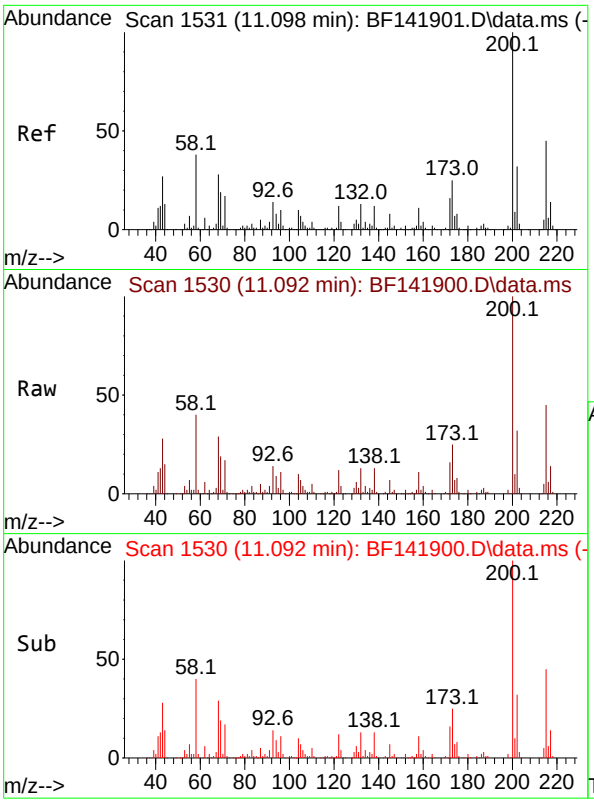


#68
Hexachlorobenzene
Concen: 20.613 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:284 Resp: 234399

Ion	Ratio	Lower	Upper
284	100		
142	32.7	27.0	40.6
249	31.1	25.2	37.8



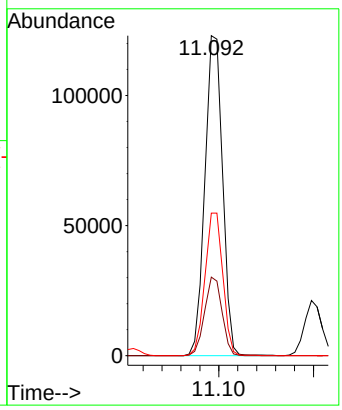


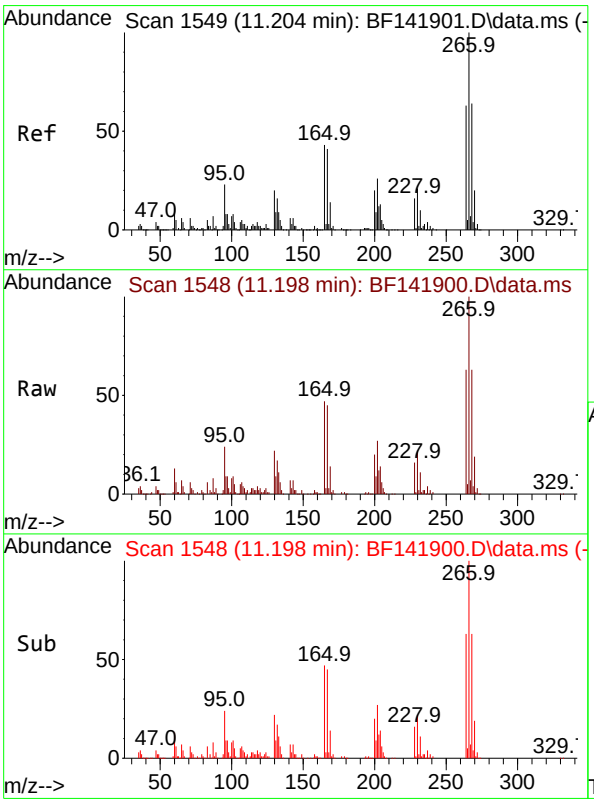
#69
Atrazine
Concen: 24.481 ng
RT: 11.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 159306

Ion	Ratio	Lower	Upper
200	100		
173	24.6	4.7	44.7
215	44.5	25.4	65.4

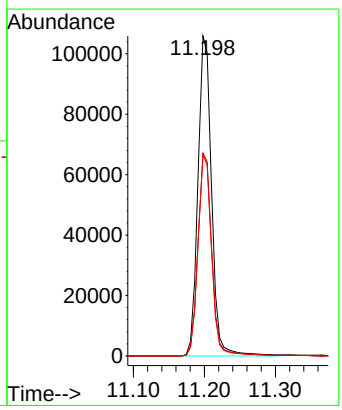


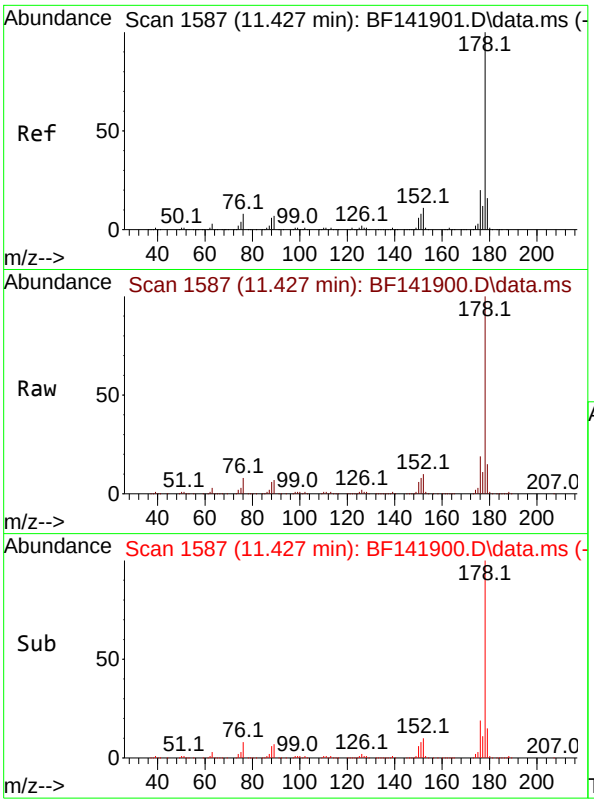


#70
Pentachlorophenol
Concen: 20.227 ng
RT: 11.198 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:266 Resp: 141842

Ion	Ratio	Lower	Upper
266	100		
268	63.4	51.0	76.6
264	62.9	50.2	75.2



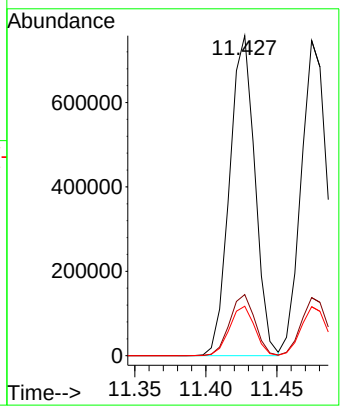


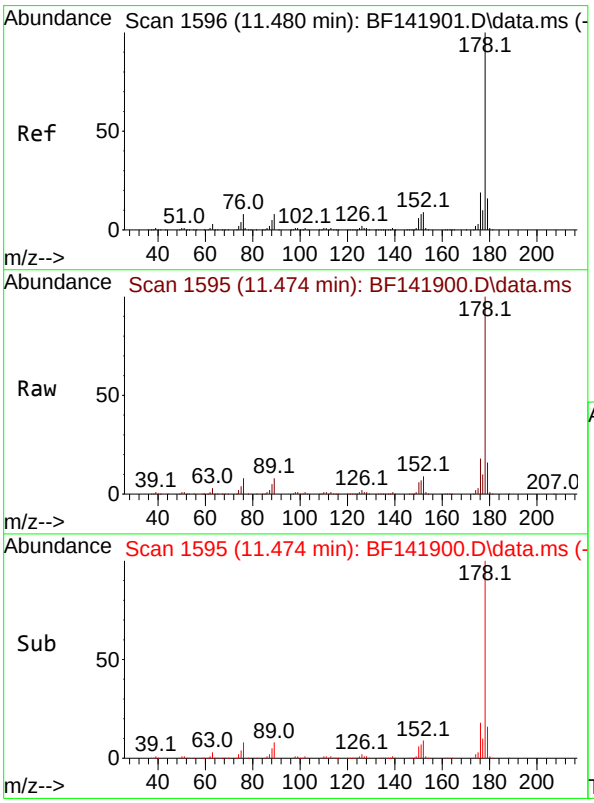
#71
Phenanthrene
Concen: 21.038 ng
RT: 11.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 939782

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.5	12.6	19.0

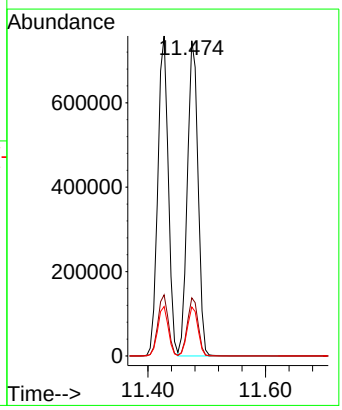


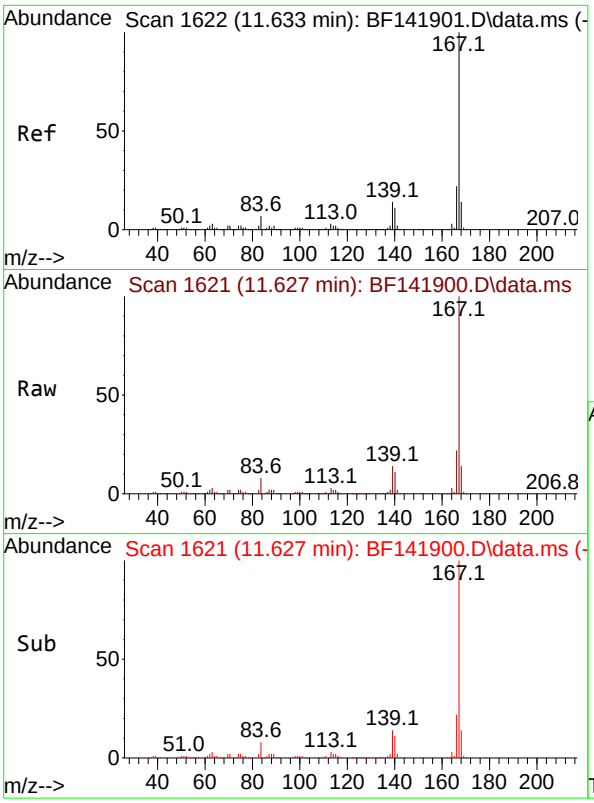


#72
Anthracene
Concen: 20.993 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:178 Resp: 940875

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.1	22.7
179	15.5	12.6	19.0



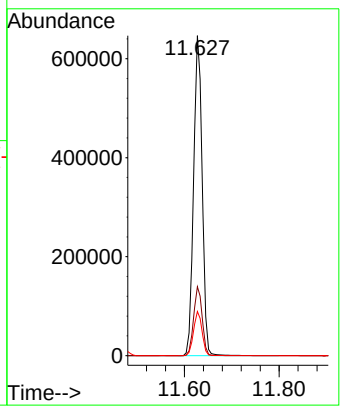


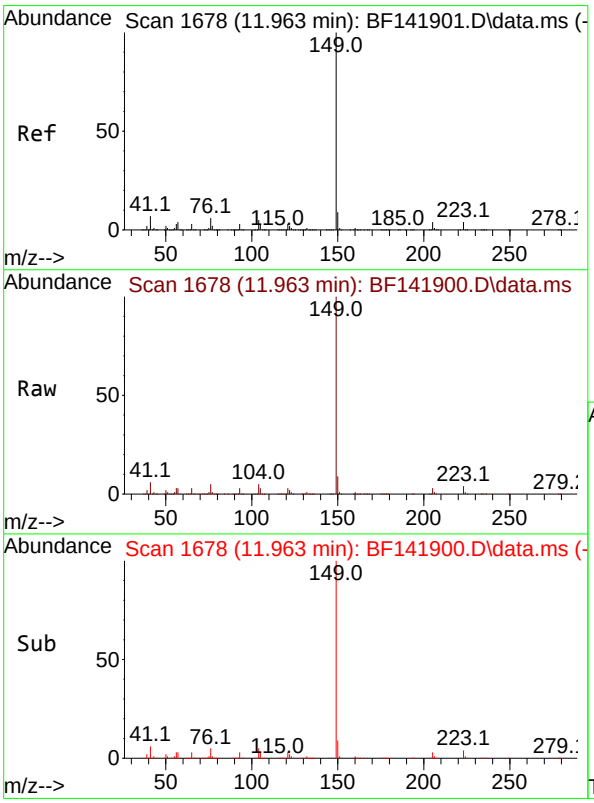
#73
Carbazole
Concen: 21.096 ng
RT: 11.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 813998

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.4	26.2
139	13.8	11.0	16.6

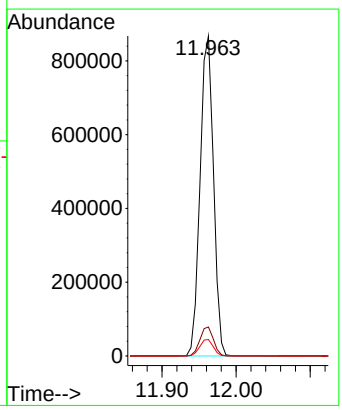


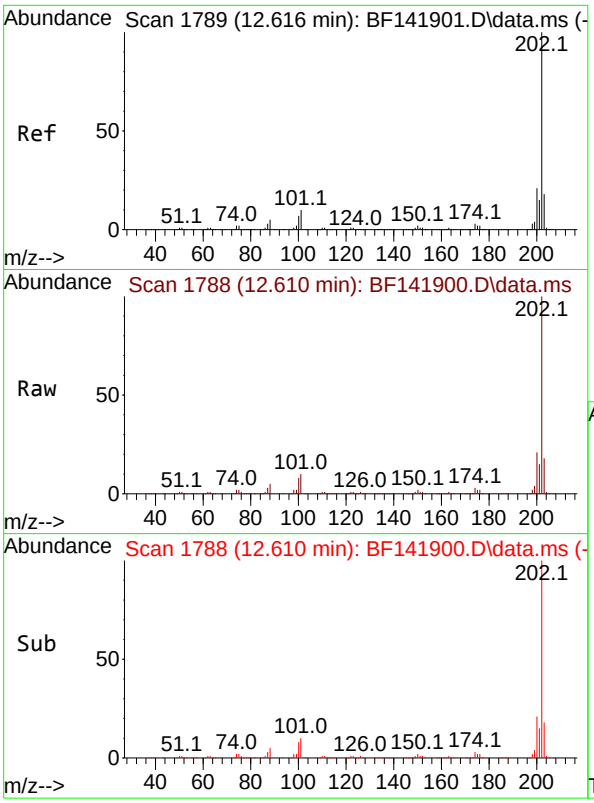


#74
Di-n-butylphthalate
Concen: 21.382 ng
RT: 11.963 min Scan# 1678
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:149 Resp: 1089304

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.6	11.4
104	5.2	4.4	6.6



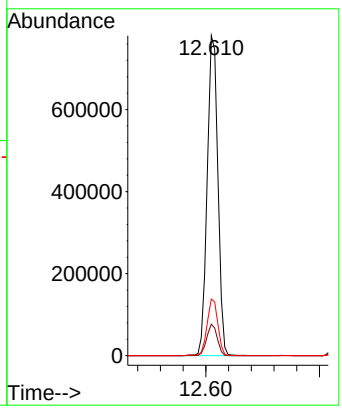


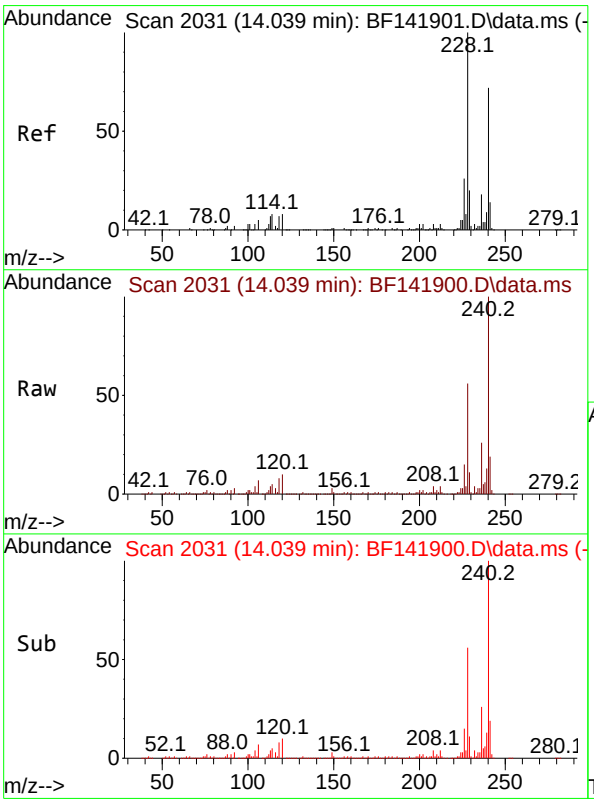
#75
Fluoranthene
Concen: 21.632 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 1014464

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	29.7
203	17.7	0.0	37.8

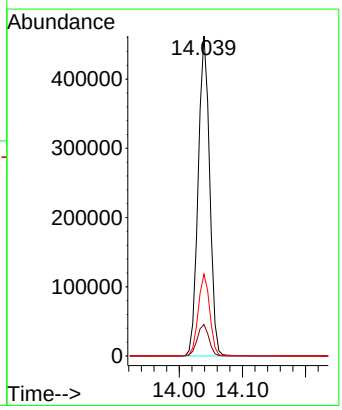


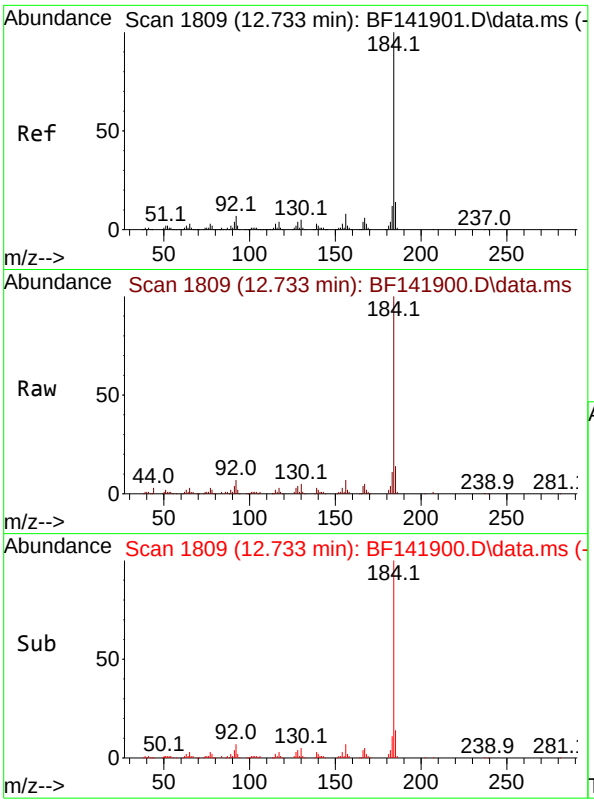


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:240 Resp: 581591

Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.4	12.6
236	25.6	20.5	30.7



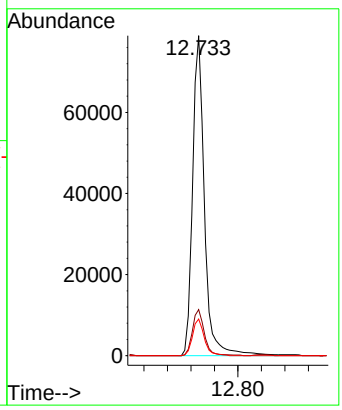


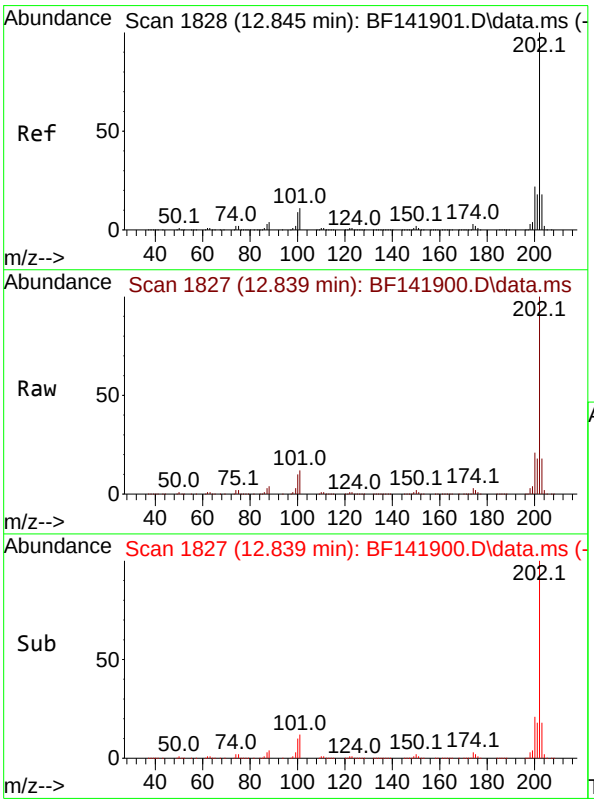
#77
Benzidine
Concen: 13.463 ng
RT: 12.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 110648

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	11.5	9.7	14.5

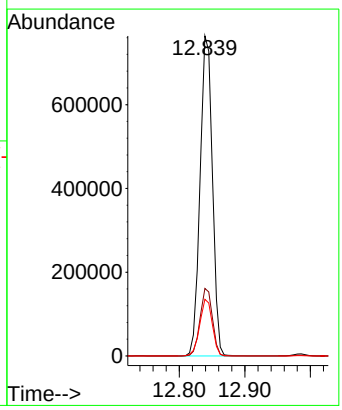


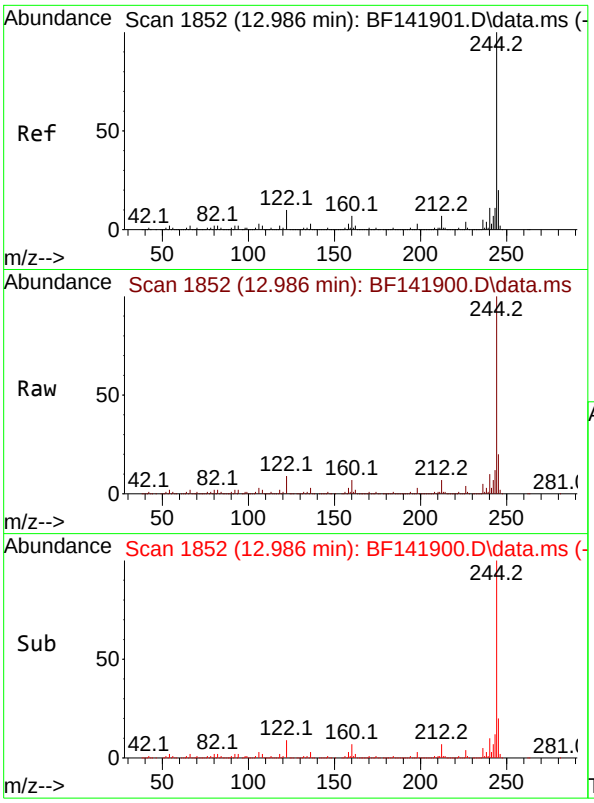


#78
Pyrene
Concen: 20.133 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:202 Resp: 1004157

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.3	25.9
203	17.7	14.4	21.6



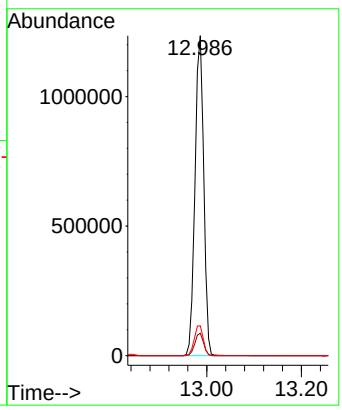


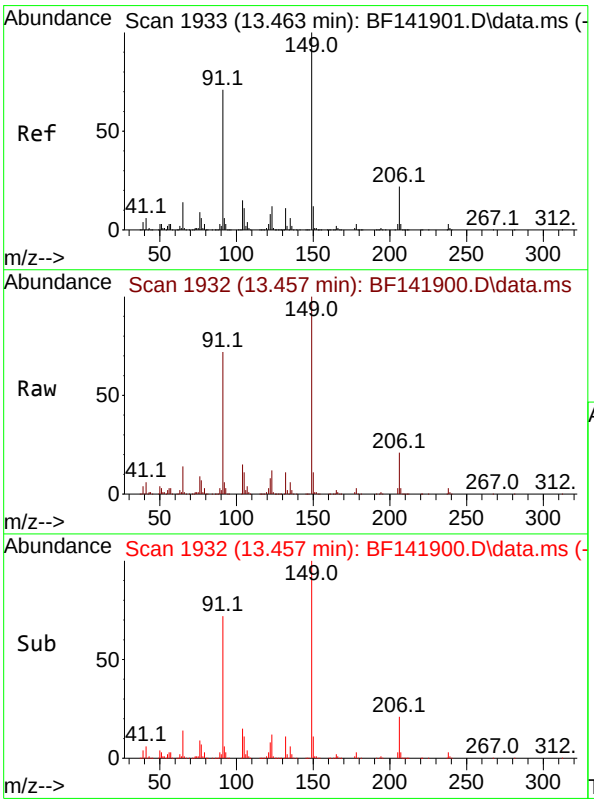
#79
Terphenyl-d14
Concen: 40.218 ng
RT: 12.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 1582373

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	9.4	7.7	11.5

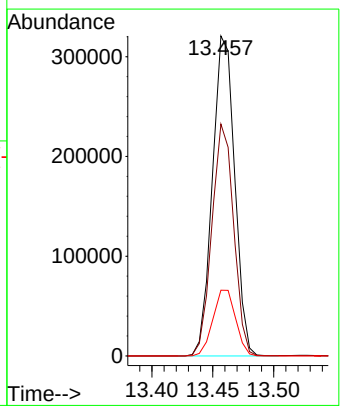


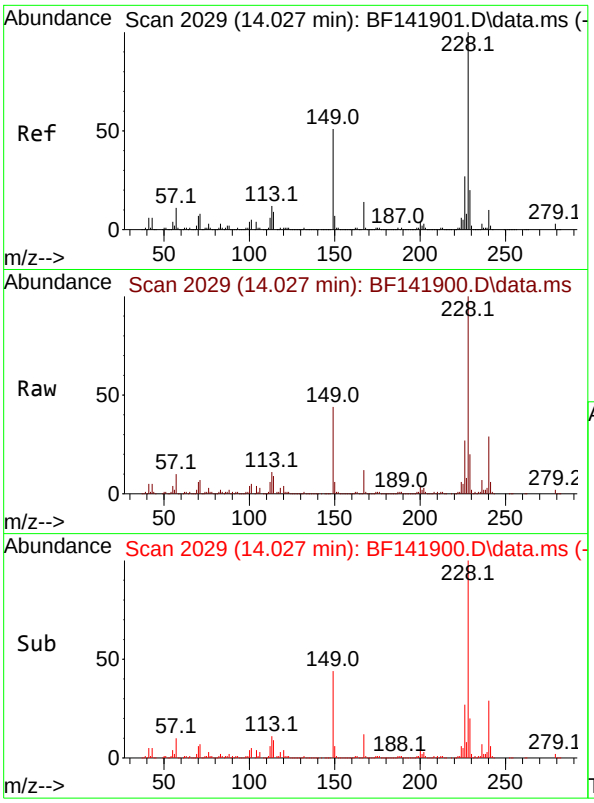


#80
Butylbenzylphthalate
Concen: 20.761 ng
RT: 13.457 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:149 Resp: 408044

Ion	Ratio	Lower	Upper
149	100		
91	72.5	56.5	84.7
206	20.5	17.3	25.9



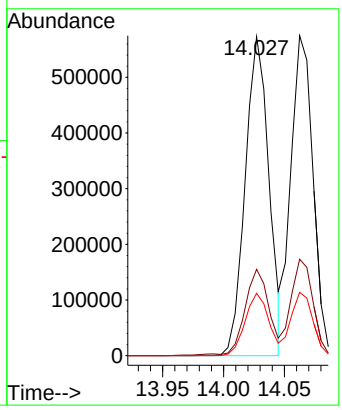


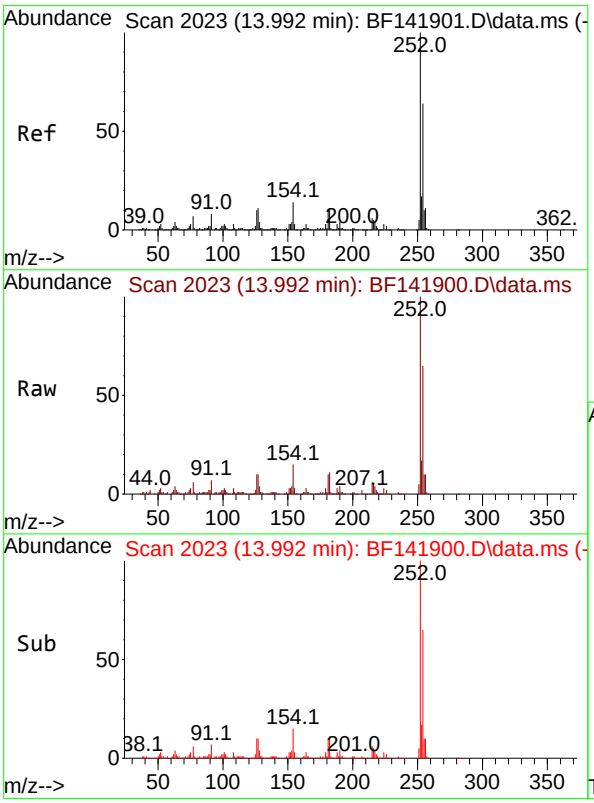
#81
Benzo(a)anthracene
Concen: 20.285 ng
RT: 14.027 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 776120

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.8
229	19.6	16.0	24.0

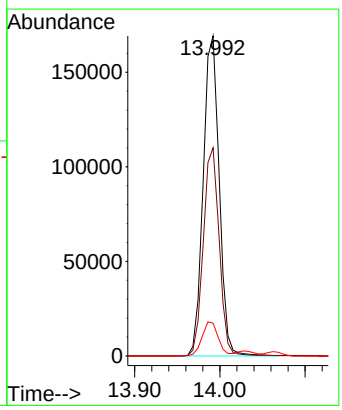


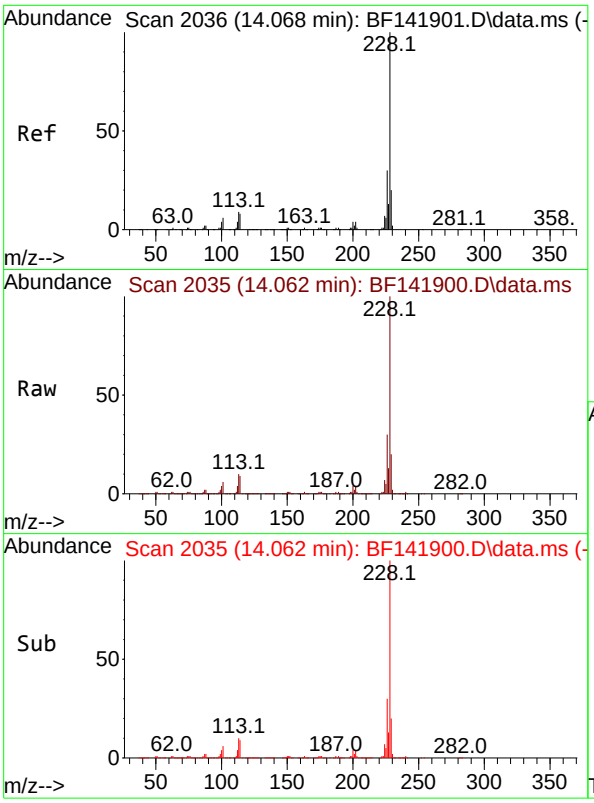


#82
3,3'-Dichlorobenzidine
Concen: 19.999 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:252 Resp: 221168

Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.0	76.6
126	10.2	8.4	12.6



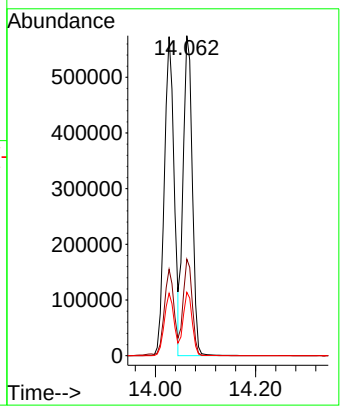


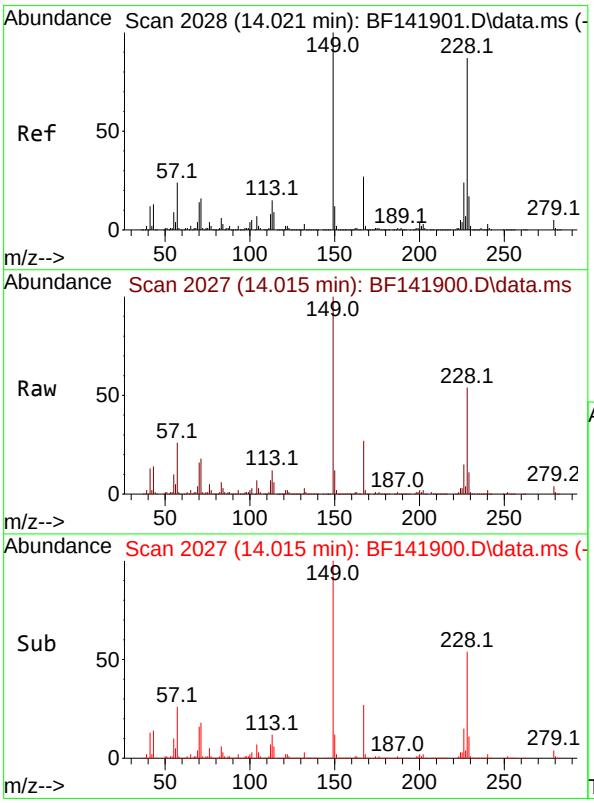
#83
Chrysene
Concen: 21.325 ng
RT: 14.062 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 732966

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.8	15.7	23.5

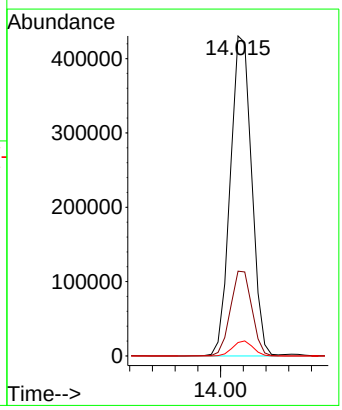


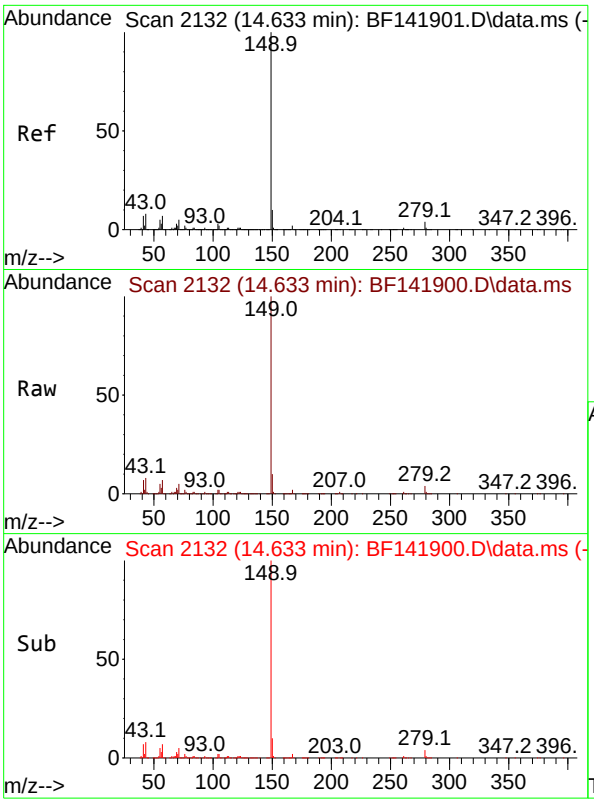


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.845 ng
RT: 14.015 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:149 Resp: 562062

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.4	32.0
279	4.2	3.8	5.6



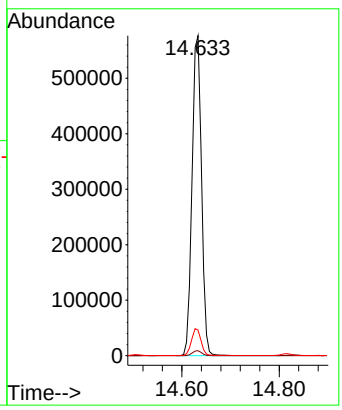


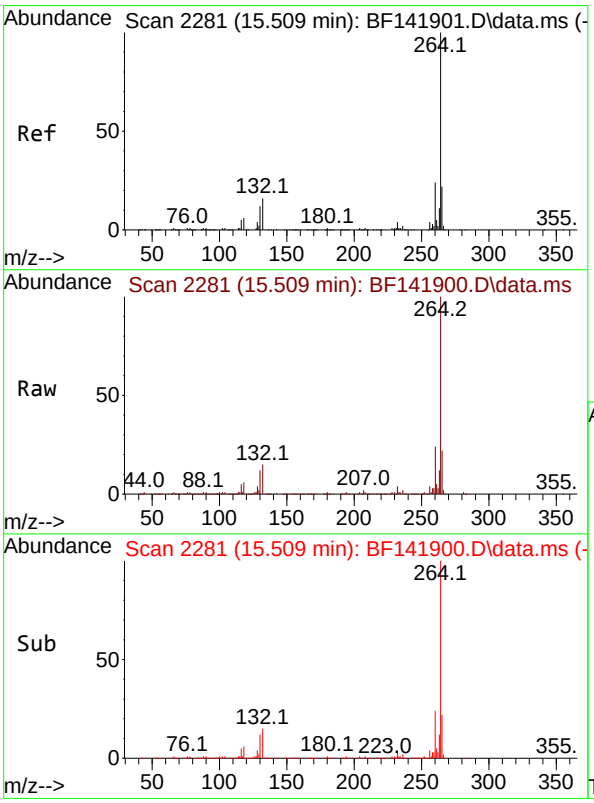
#85
Di-n-octyl phthalate
Concen: 20.740 ng
RT: 14.633 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 778373

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.5	6.9	10.3

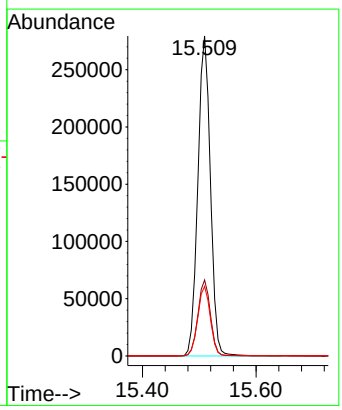


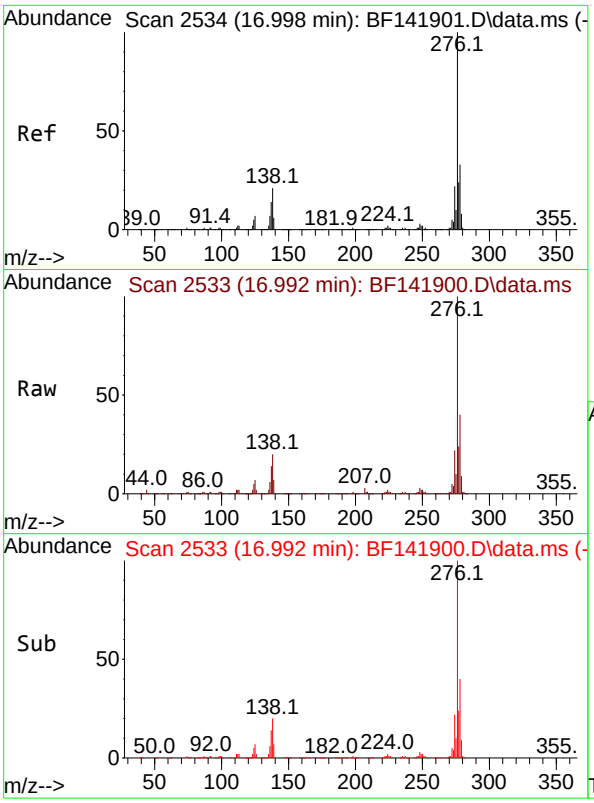


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:264 Resp: 428960

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.1	28.7
265	21.7	17.5	26.3



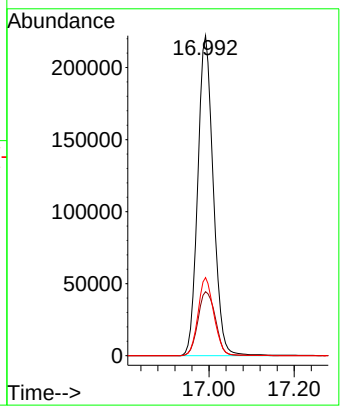


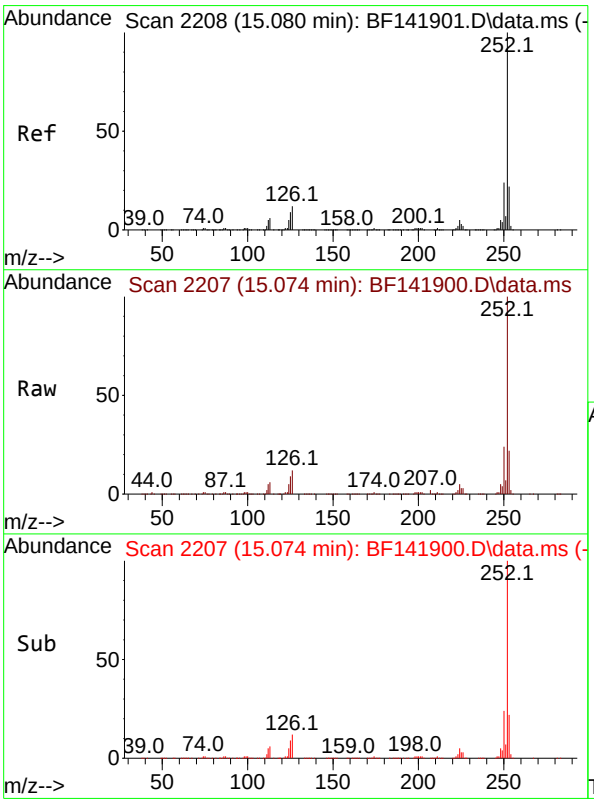
#87
Indeno(1,2,3-cd)pyrene
Concen: 20.163 ng
RT: 16.992 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 560913

Ion	Ratio	Lower	Upper
276	100		
138	22.6	18.4	27.6
277	24.9	20.3	30.5

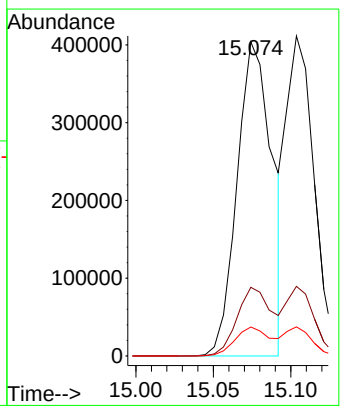


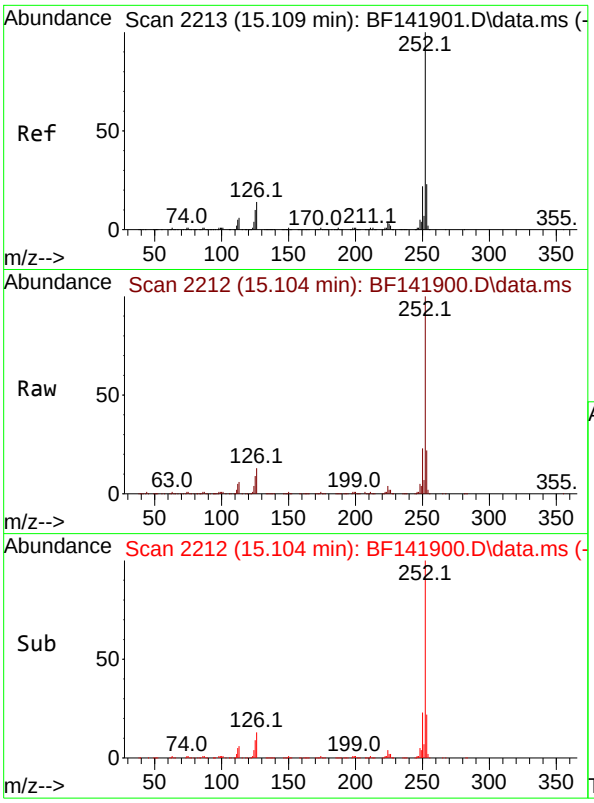


#88
Benzo(b)fluoranthene
Concen: 21.886 ng
RT: 15.074 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:252 Resp: 636808

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.2	7.0	10.4



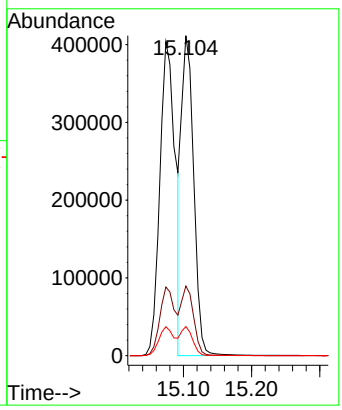


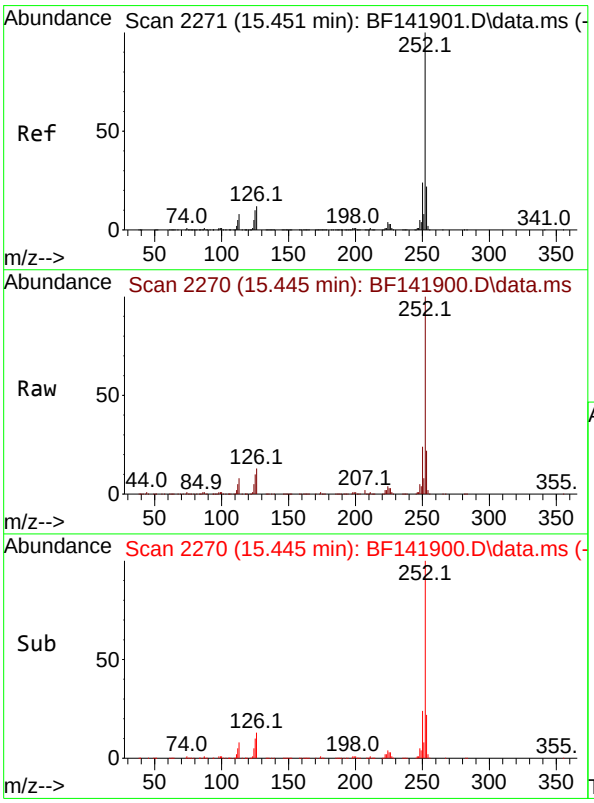
#89
Benzo(k)fluoranthene
Concen: 20.196 ng
RT: 15.104 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 513311

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	9.1	7.2	10.8

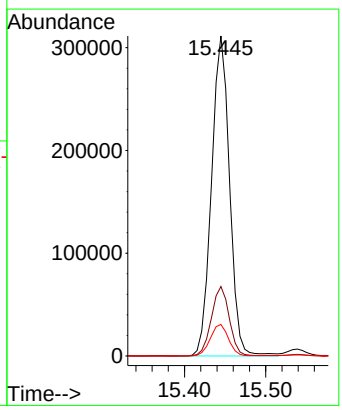


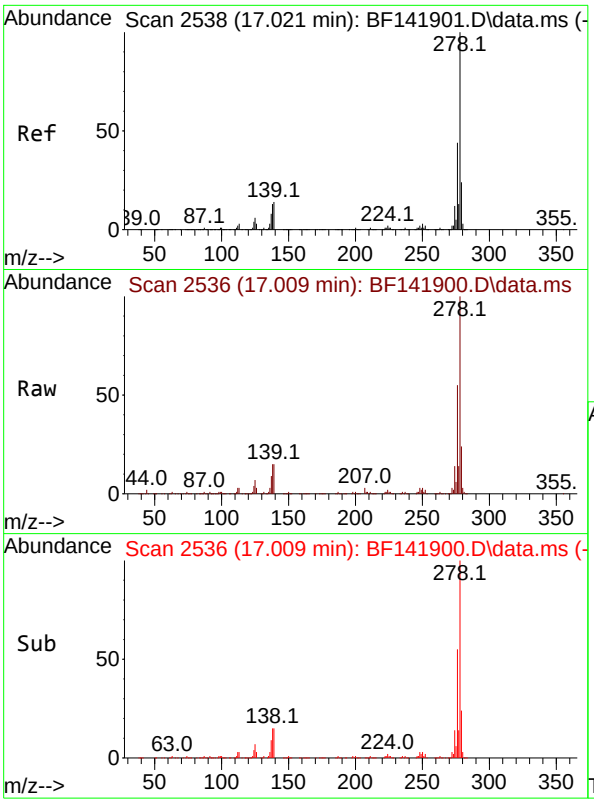


#90
Benzo(a)pyrene
Concen: 20.991 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:252 Resp: 481683

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	9.8	7.8	11.8



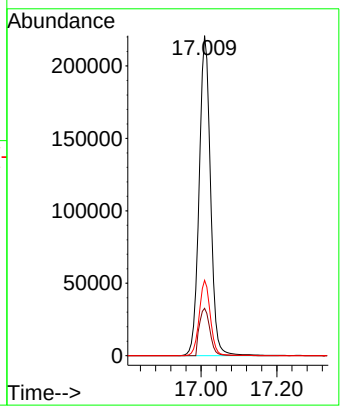


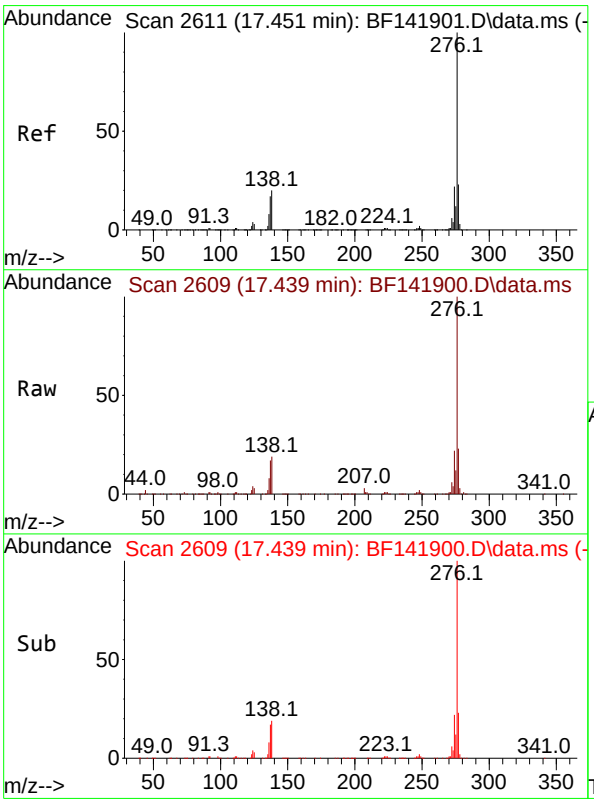
#91
Dibenzo(a,h)anthracene
Concen: 20.046 ng
RT: 17.009 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 460109

Ion	Ratio	Lower	Upper
278	100		
139	14.8	11.4	17.2
279	23.6	18.8	28.2

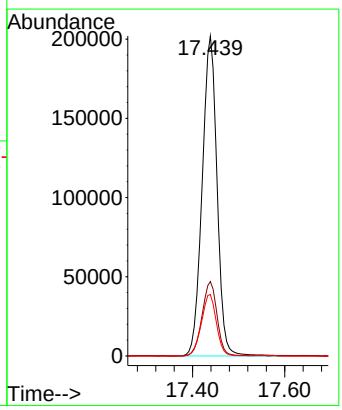




#92
Benzo(g,h,i)perylene
Concen: 19.987 ng
RT: 17.439 min Scan# 2609
Delta R.T. -0.012 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:276 Resp: 455034

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.7	28.1
138	19.2	15.8	23.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141901.D
Acq On : 10 Mar 2025 12:58
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Mar 10 15:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	222904	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	874166	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	493744	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	839154	20.000	ng	0.00
76) Chrysene-d12	14.039	240	569865	20.000	ng	0.00
86) Perylene-d12	15.509	264	469286	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	1023722	76.628	ng	0.00
7) Phenol-d6	6.504	99	1285980	75.580	ng	0.00
23) Nitrobenzene-d5	7.445	82	1216280	77.983	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	493945	78.949	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2475837	76.357	ng	0.00
79) Terphenyl-d14	12.986	244	2908357	75.440	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.675	88	224795	40.148	ng	100
3) Pyridine	3.440	79	544434	39.565	ng	100
4) n-Nitrosodimethylamine	3.393	42	259739	39.710	ng	100
6) Aniline	6.545	93	653060	38.879	ng	100
8) 2-Chlorophenol	6.669	128	561230	37.902	ng	100
9) Benzaldehyde	6.434	77	346818	36.467	ng	100
10) Phenol	6.522	94	684724	38.141	ng	100
11) bis(2-Chloroethyl)ether	6.616	93	510214	37.932	ng	100
12) 1,3-Dichlorobenzene	6.822	146	611938	38.242	ng	100
13) 1,4-Dichlorobenzene	6.898	146	620951	38.355	ng	100
14) 1,2-Dichlorobenzene	7.051	146	581043	38.111	ng	100
15) Benzyl Alcohol	7.022	79	528444	38.371	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.157	45	607522	37.476	ng	100
17) 2-Methylphenol	7.128	107	449433	38.190	ng	100
18) Hexachloroethane	7.392	117	230613	37.993	ng	100
19) n-Nitroso-di-n-propyla...	7.298	70	407069	37.223	ng	100
20) 3+4-Methylphenols	7.281	107	576902	38.219	ng	100
22) Acetophenone	7.292	105	804747	38.376	ng	100
24) Nitrobenzene	7.463	77	604738	39.106	ng	100
25) Isophorone	7.704	82	1049049	38.097	ng	100
26) 2-Nitrophenol	7.781	139	305349	40.295	ng	100
27) 2,4-Dimethylphenol	7.810	122	403621	38.671	ng	100
28) bis(2-Chloroethoxy)met...	7.910	93	650344	37.702	ng	100
29) 2,4-Dichlorophenol	8.016	162	500239	38.619	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	541182	37.870	ng	100
31) Naphthalene	8.186	128	1719643	38.400	ng	100
32) Benzoic acid	7.928	122	363328	39.827	ng	100
33) 4-Chloroaniline	8.228	127	613535	38.824	ng	100
34) Hexachlorobutadiene	8.304	225	355740	38.285	ng	100
35) Caprolactam	8.604	113	147056	37.335	ng	100
36) 4-Chloro-3-methylphenol	8.704	107	555328	38.549	ng	100
37) 2-Methylnaphthalene	8.875	142	1141228	37.983	ng	100
38) 1-Methylnaphthalene	8.975	142	1089576	37.447	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	584322	38.814	ng	100
41) Hexachlorocyclopentadiene	9.028	237	246666	41.523	ng	100
43) 2,4,6-Trichlorophenol	9.145	196	392696	40.014	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141901.D
Acq On : 10 Mar 2025 12:58
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Mar 10 15:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	384539	38.566	ng	100
46) 1,1'-Biphenyl	9.339	154	1436040	38.362	ng	100
47) 2-Chloronaphthalene	9.363	162	1077099	38.609	ng	100
48) 2-Nitroaniline	9.457	65	318068	39.690	ng	100
49) Acenaphthylene	9.780	152	1614250	39.029	ng	100
50) Dimethylphthalate	9.639	163	1312856	38.270	ng	100
51) 2,6-Dinitrotoluene	9.698	165	281695	39.486	ng	100
52) Acenaphthene	9.951	154	1132087	38.764	ng	100
53) 3-Nitroaniline	9.869	138	289208	39.481	ng	100
54) 2,4-Dinitrophenol	9.969	184	140024	38.116	ng	100
55) Dibenzofuran	10.122	168	1593454	38.266	ng	100
56) 4-Nitrophenol	10.016	139	227070	41.266	ng	100
57) 2,4-Dinitrotoluene	10.104	165	370337	39.437	ng	100
58) Fluorene	10.469	166	1213316	37.742	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	354863	39.225	ng	100
60) Diethylphthalate	10.339	149	1319116	38.304	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	635445	37.950	ng	100
62) 4-Nitroaniline	10.480	138	284615	40.097	ng	100
63) Azobenzene	10.616	77	1229473	38.432	ng	100
65) 4,6-Dinitro-2-methylph...	10.510	198	203106	40.827	ng	100
66) n-Nitrosodiphenylamine	10.574	169	1041349	38.415	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	409602	39.195	ng	100
68) Hexachlorobenzene	11.010	284	452189	39.146	ng	100
69) Atrazine	11.098	200	275084	41.614	ng	100
70) Pentachlorophenol	11.204	266	297893	41.818	ng	100
71) Phenanthrene	11.427	178	1741309	38.373	ng	100
72) Anthracene	11.480	178	1756035	38.571	ng	100
73) Carbazole	11.633	167	1524663	38.898	ng	100
74) Di-n-butylphthalate	11.963	149	1975625	38.175	ng	100
75) Fluoranthene	12.616	202	1860202	39.049	ng	100
77) Benzidine	12.733	184	410026	50.915	ng	100
78) Pyrene	12.845	202	1835917	37.567	ng	100
80) Butylbenzylphthalate	13.463	149	746613	38.769	ng	100
81) Benzo(a)anthracene	14.027	228	1451332	38.713	ng	100
82) 3,3'-Dichlorobenzidine	13.992	252	423835	39.114	ng	100
83) Chrysene	14.068	228	1294538	38.439	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	1029987	38.985	ng	100
85) Di-n-octyl phthalate	14.633	149	1441248	39.193	ng	100
87) Indeno(1,2,3-cd)pyrene	16.998	276	1207616	39.681	ng	100
88) Benzo(b)fluoranthene	15.080	252	1135547	35.673	ng	100
89) Benzo(k)fluoranthene	15.109	252	1130615	40.661	ng	100
90) Benzo(a)pyrene	15.451	252	972220	38.727	ng	100
91) Dibenzo(a,h)anthracene	17.021	278	1002747	39.933	ng	100
92) Benzo(g,h,i)perylene	17.451	276	999947	40.149	ng	100

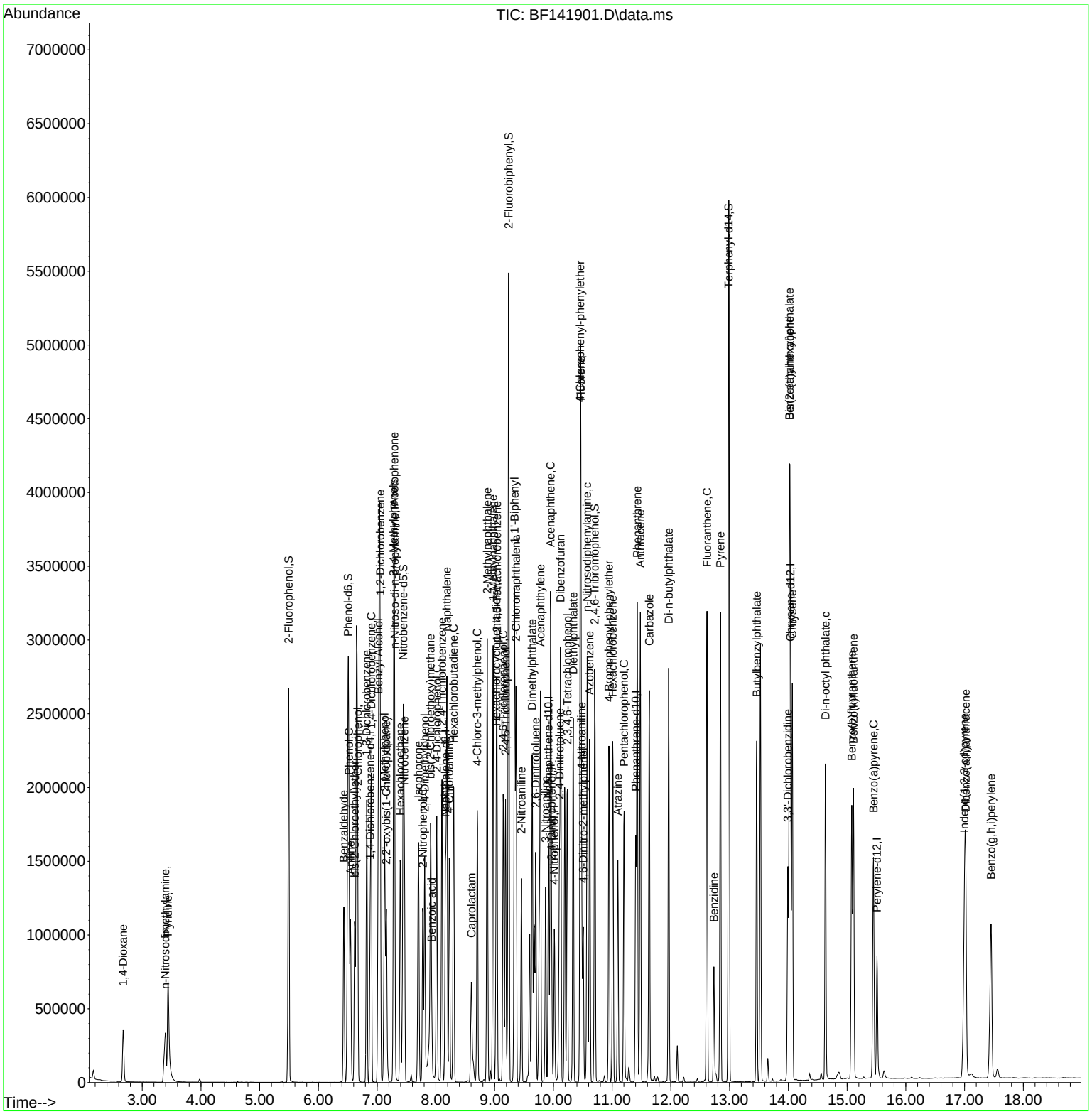
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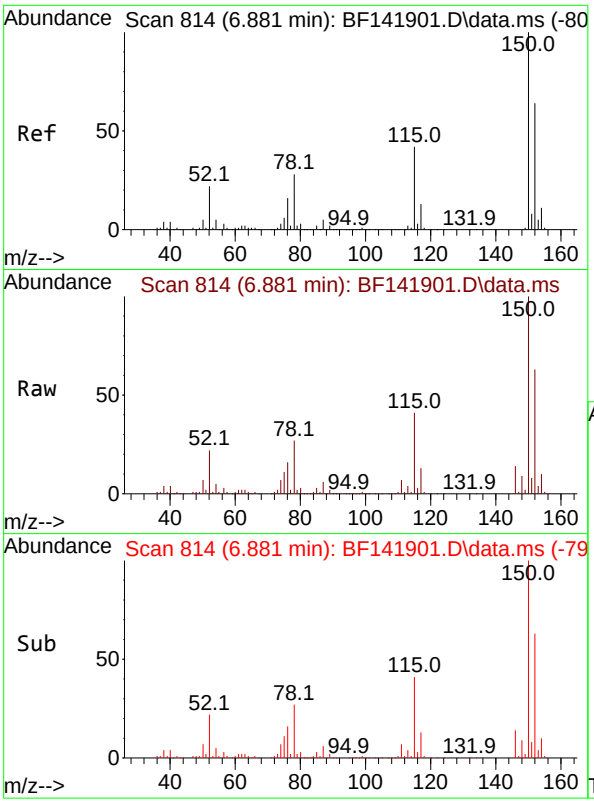
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141901.D
Acq On : 10 Mar 2025 12:58
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Mar 10 15:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



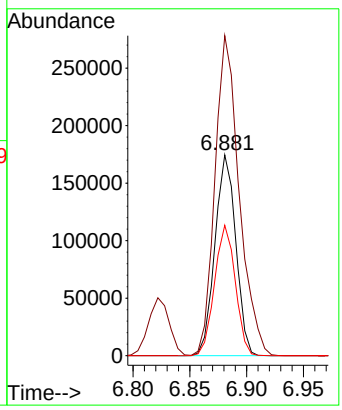


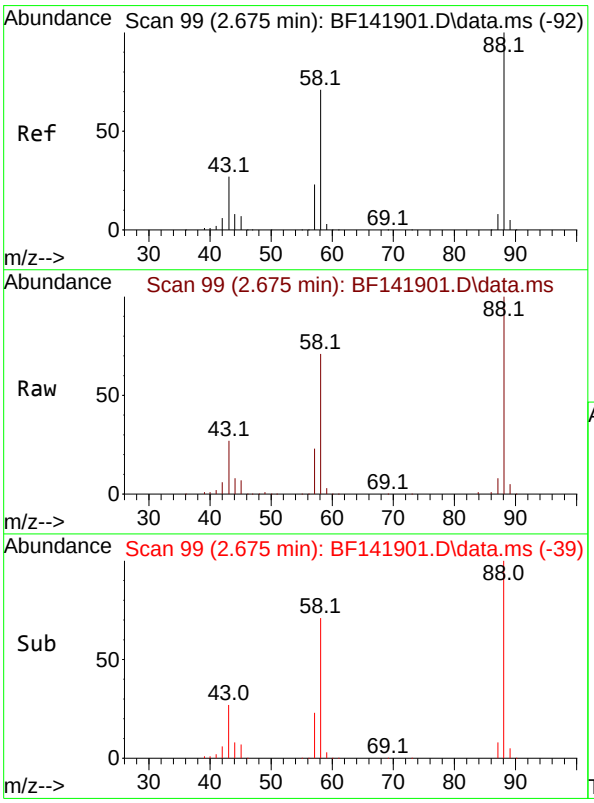
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 222904

Ion	Ratio	Lower	Upper
152	100		
150	159.3	127.4	191.2
115	64.9	51.9	77.9

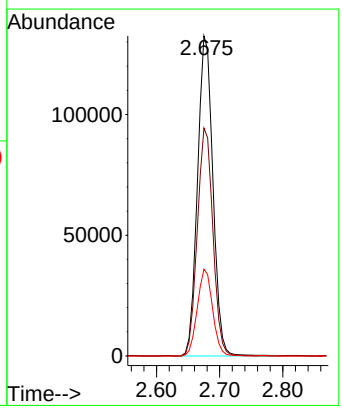


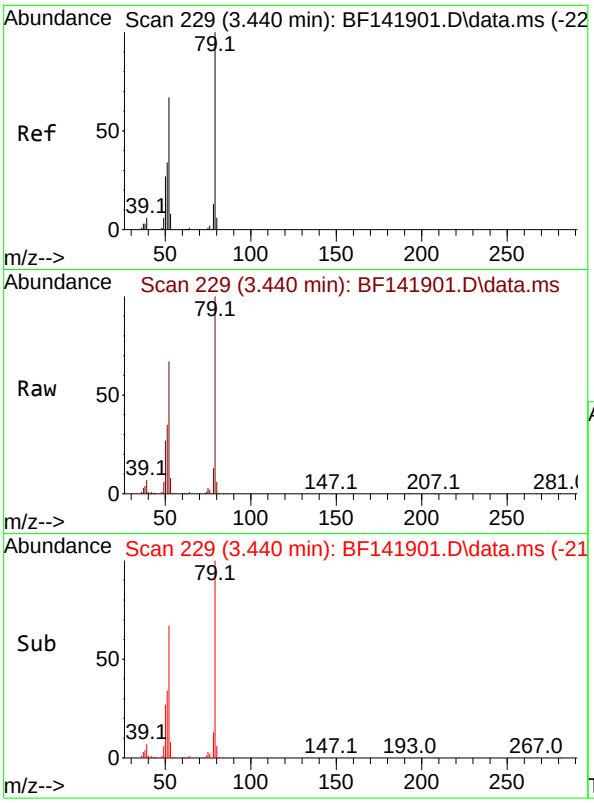


#2
1,4-Dioxane
Concen: 40.148 ng
RT: 2.675 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 88 Resp: 224795

Ion	Ratio	Lower	Upper
88	100		
58	71.8	57.4	86.2
43	26.9	21.5	32.3



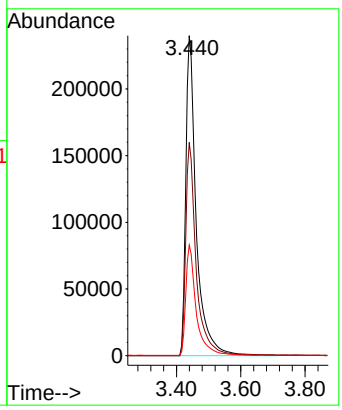


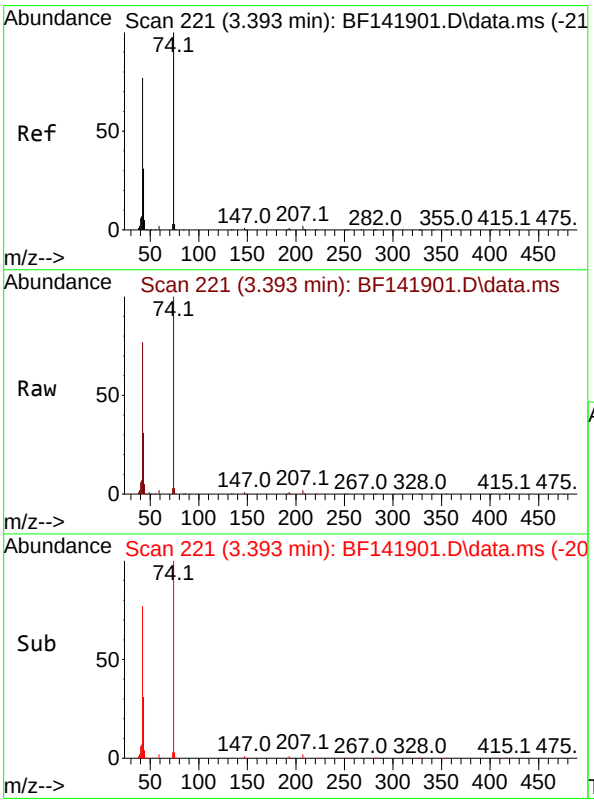
#3
Pyridine
Concen: 39.565 ng
RT: 3.440 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 544434

Ion	Ratio	Lower	Upper
79	100		
52	66.6	53.3	79.9
51	34.5	27.6	41.4

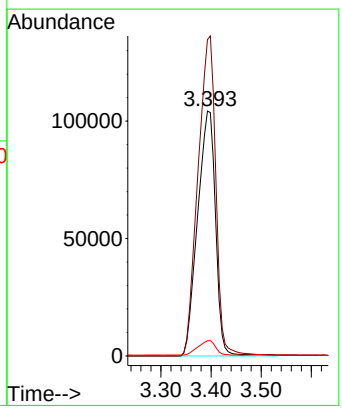


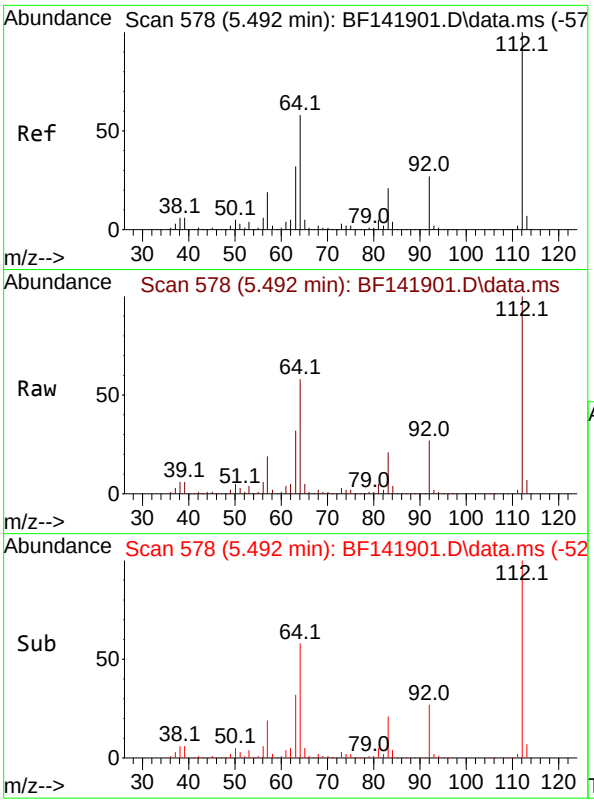


#4
n-Nitrosodimethylamine
Concen: 39.710 ng
RT: 3.393 min Scan# 221
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 42 Resp: 259739

Ion	Ratio	Lower	Upper
42	100		
74	129.2	103.4	155.0
44	6.2	5.0	7.4



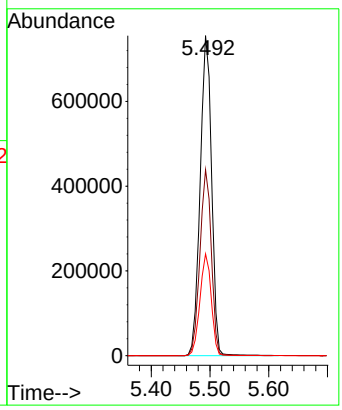


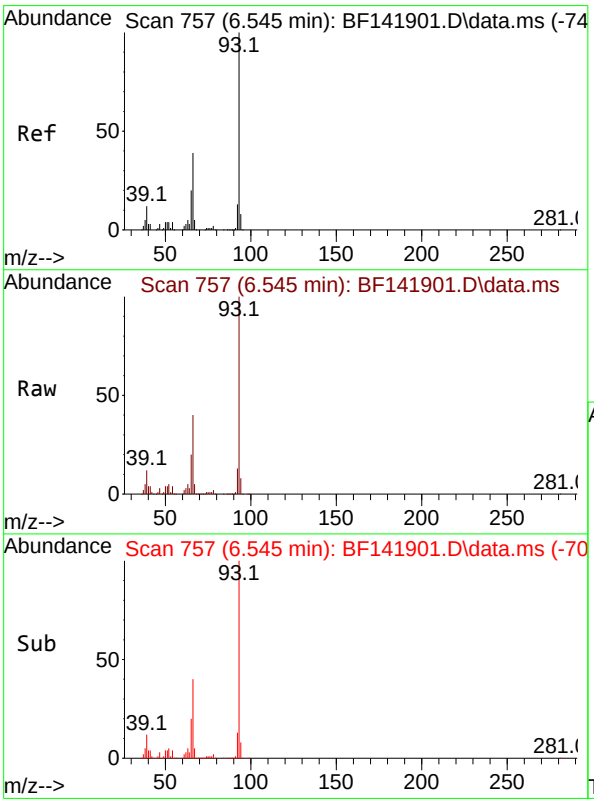
#5
2-Fluorophenol
Concen: 76.628 ng
RT: 5.492 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 1023722

Ion	Ratio	Lower	Upper
112	100		
64	58.1	46.5	69.7
63	31.8	25.4	38.2

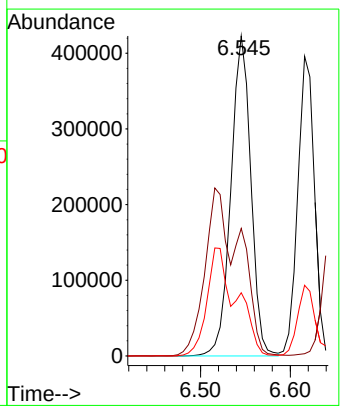


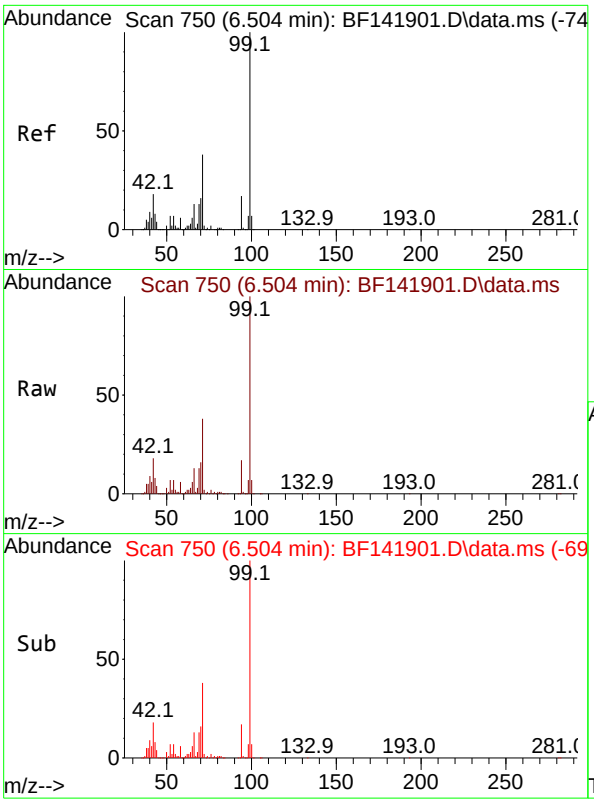


#6
Aniline
Concen: 38.879 ng
RT: 6.545 min Scan# 757
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 93 Resp: 653060

Ion	Ratio	Lower	Upper
93	100		
66	39.9	31.9	47.9
65	19.7	15.8	23.6



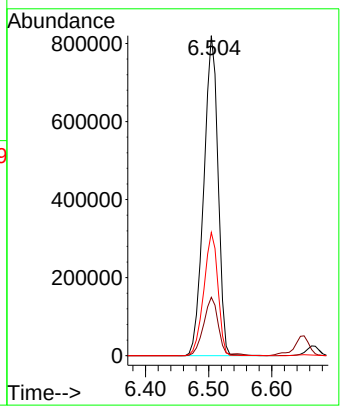


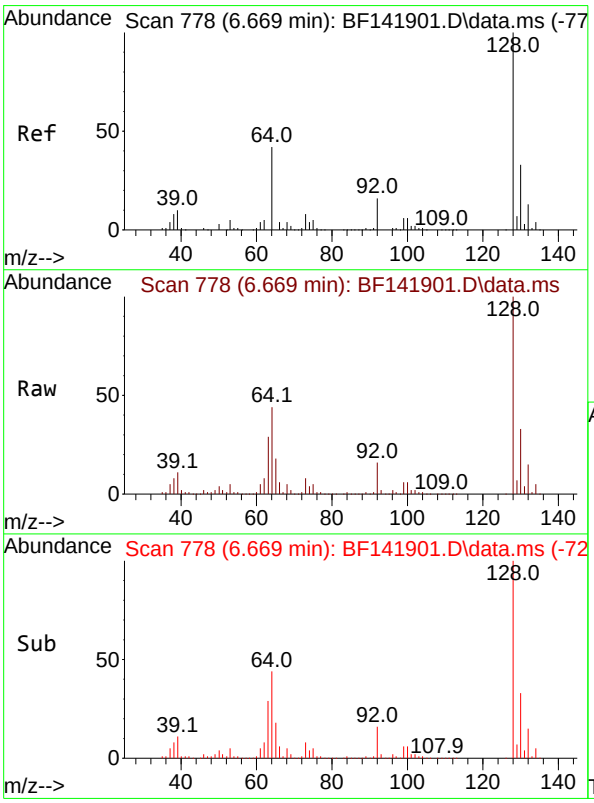
#7
Phenol-d6
Concen: 75.580 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 1285980

Ion	Ratio	Lower	Upper
99	100		
42	18.2	14.6	21.8
71	38.5	30.8	46.2

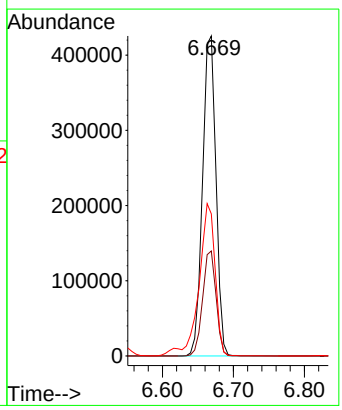


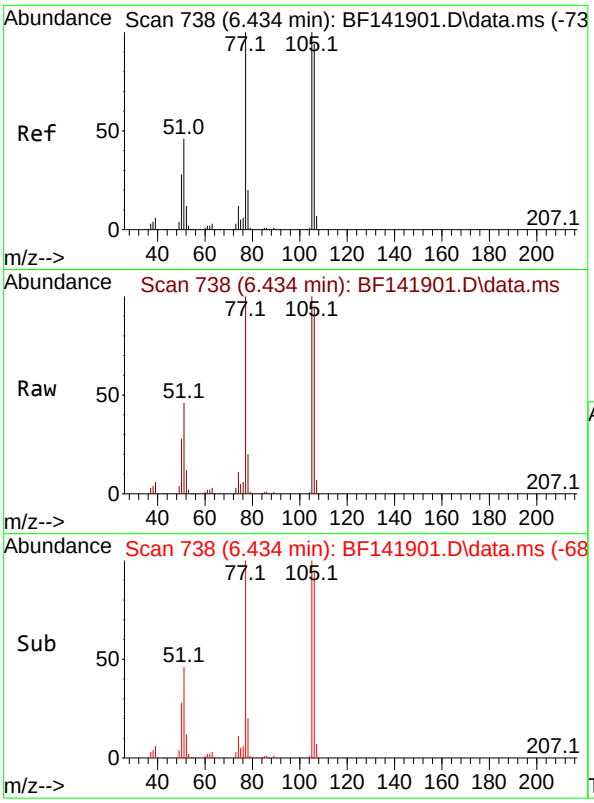


#8
2-Chlorophenol
Concen: 37.902 ng
RT: 6.669 min Scan# 778
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:128 Resp: 561230

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.8	52.8
64	44.4	24.4	64.4



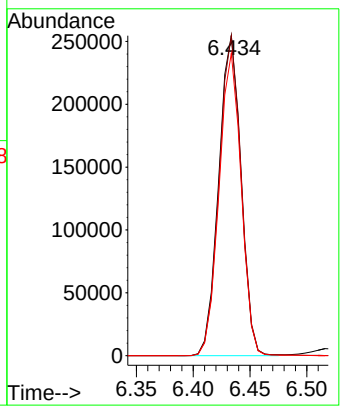


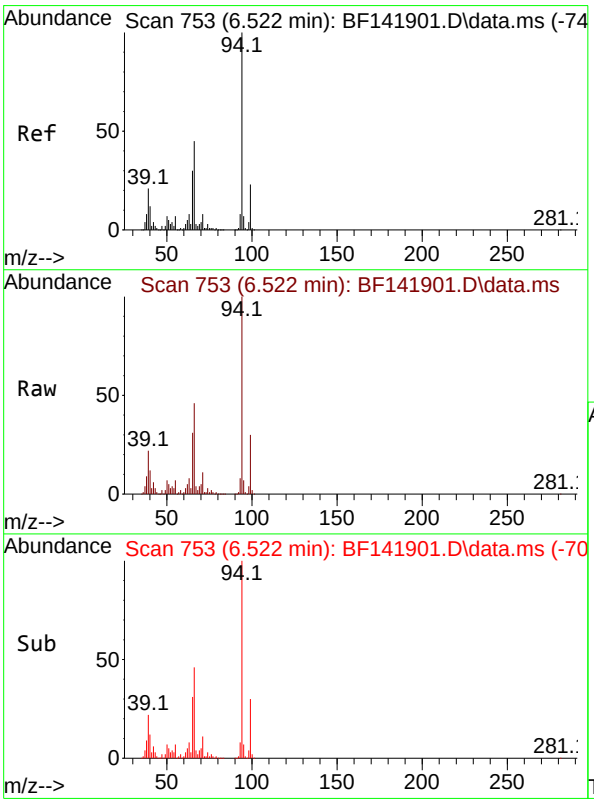
#9
Benzaldehyde
Concen: 36.467 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 346818

Ion	Ratio	Lower	Upper
77	100		
105	100.0	80.0	120.0
106	94.5	74.5	114.5

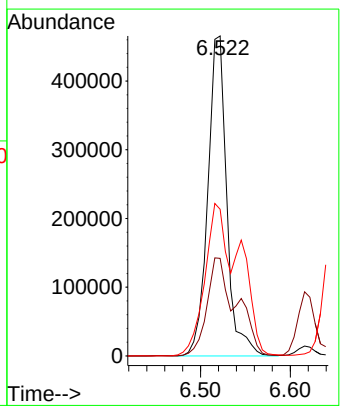


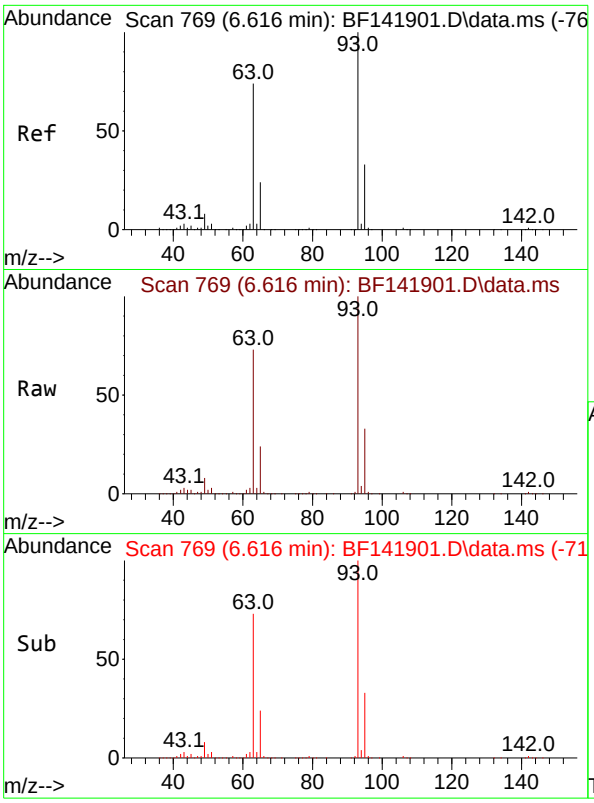


#10
Phenol
Concen: 38.141 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 94 Resp: 684724

Ion	Ratio	Lower	Upper
94	100		
65	30.5	10.5	50.5
66	45.8	25.8	65.8



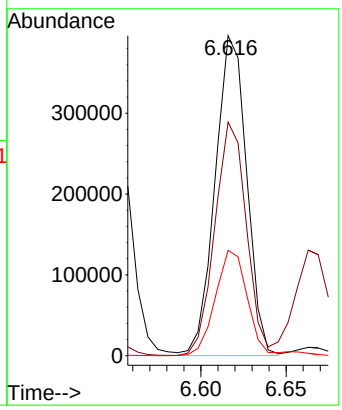


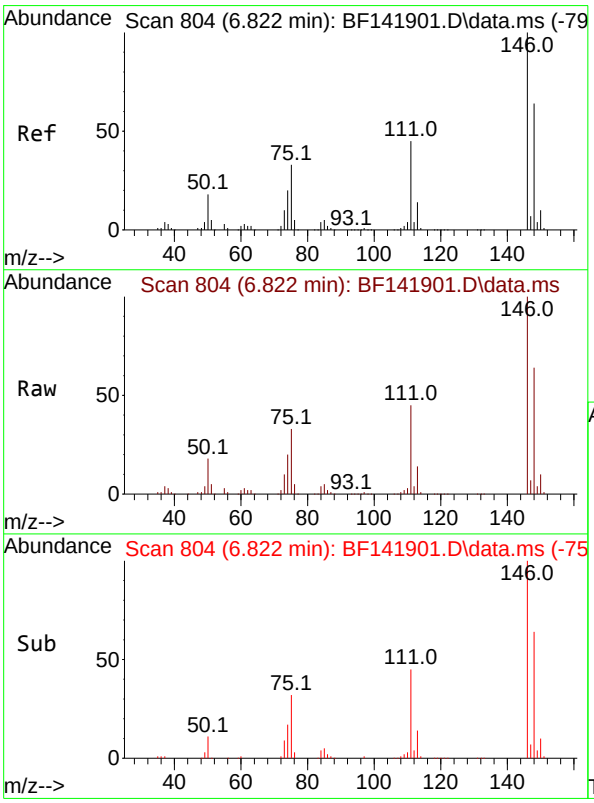
#11
bis(2-Chloroethyl)ether
Concen: 37.932 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 510214

Ion	Ratio	Lower	Upper
93	100		
63	73.0	53.0	93.0
95	32.9	12.9	52.9

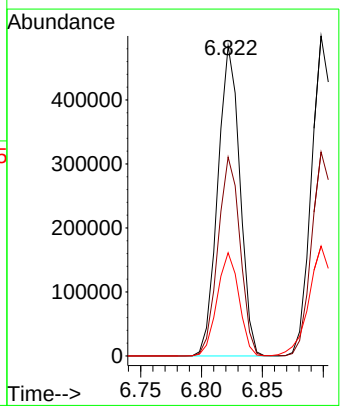


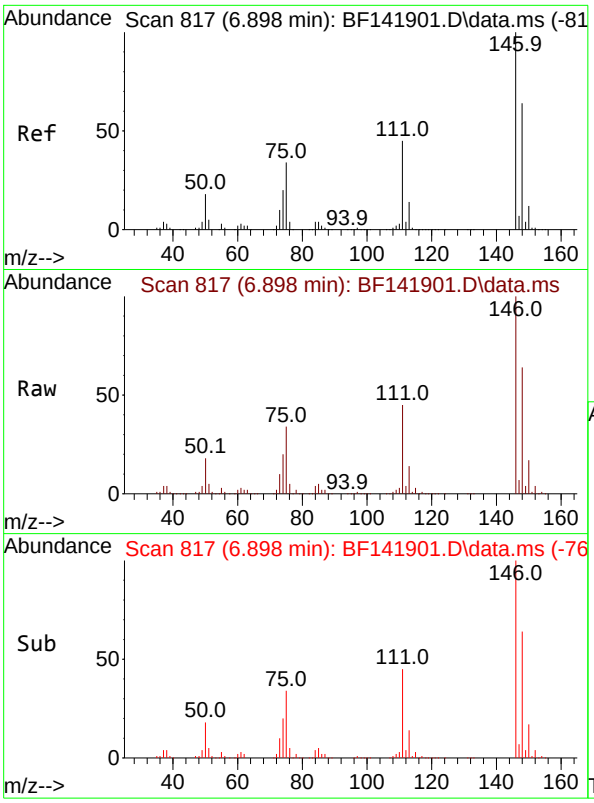


#12
1,3-Dichlorobenzene
Concen: 38.242 ng
RT: 6.822 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:146 Resp: 611938

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.3	76.9
75	33.3	26.6	40.0



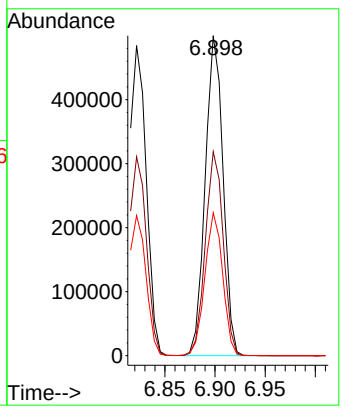


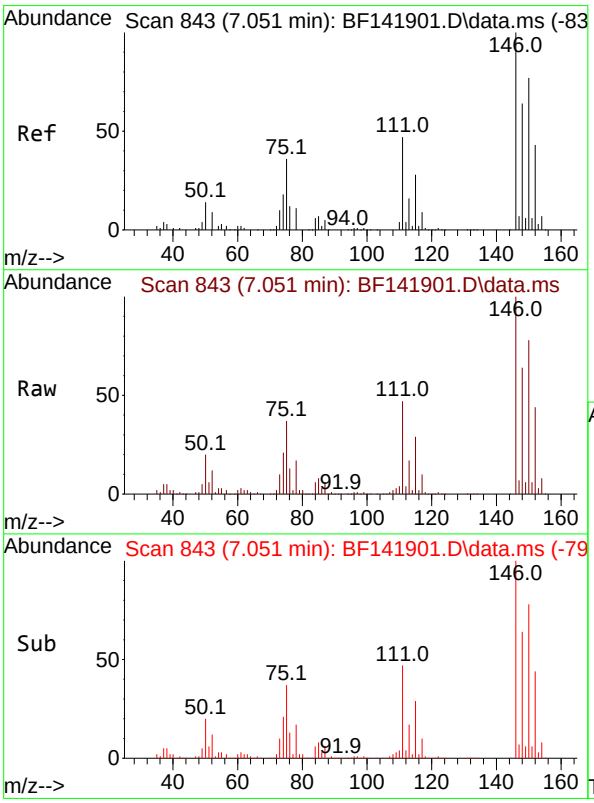
#13
1,4-Dichlorobenzene
Concen: 38.355 ng
RT: 6.898 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 620951

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.6
111	44.6	35.7	53.5

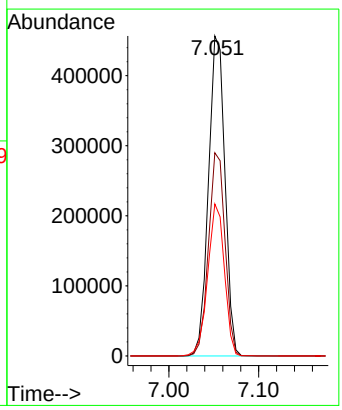


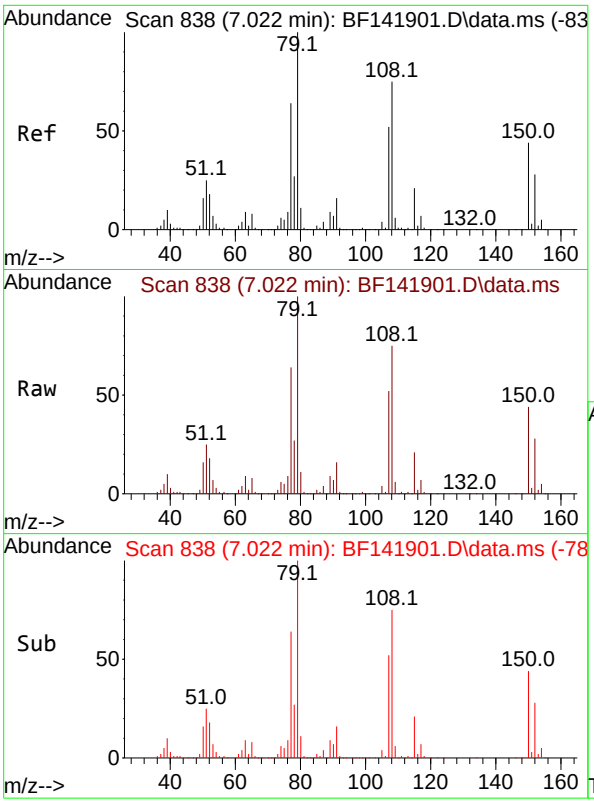


#14
1,2-Dichlorobenzene
Concen: 38.111 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:146 Resp: 581043

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.8	76.2
111	47.5	38.0	57.0



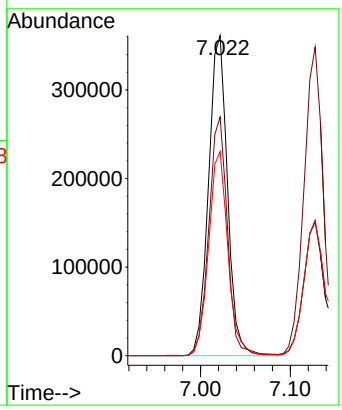


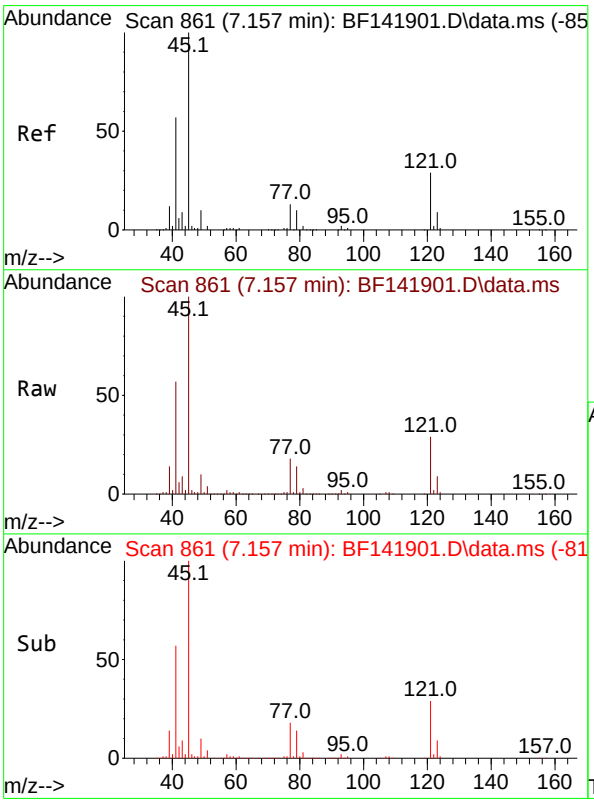
#15
Benzyl Alcohol
Concen: 38.371 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 528444

Ion	Ratio	Lower	Upper
79	100		
108	74.6	59.7	89.5
77	63.8	51.0	76.6

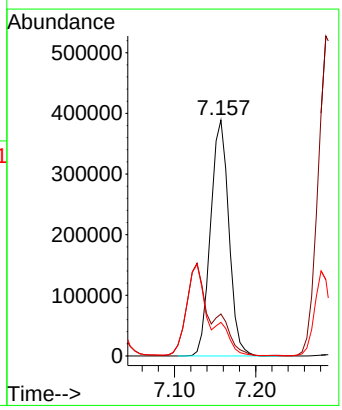


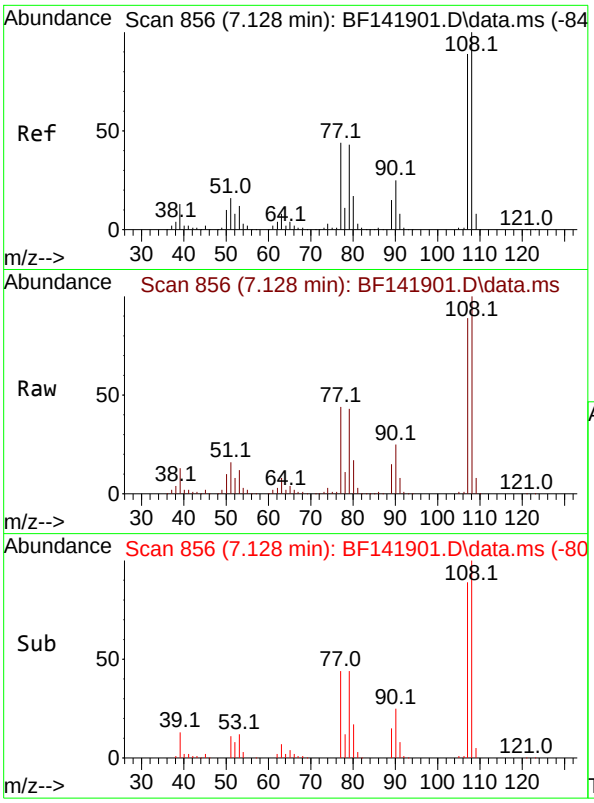


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.476 ng
RT: 7.157 min Scan# 861
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 45 Resp: 607522

Ion	Ratio	Lower	Upper
45	100		
77	17.8	0.0	37.8
79	14.2	0.0	34.2



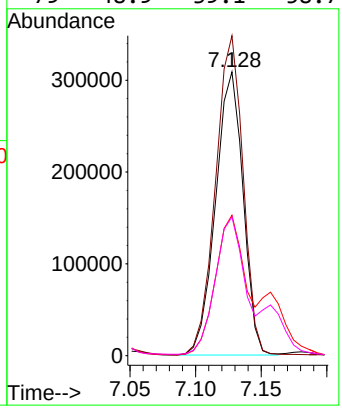


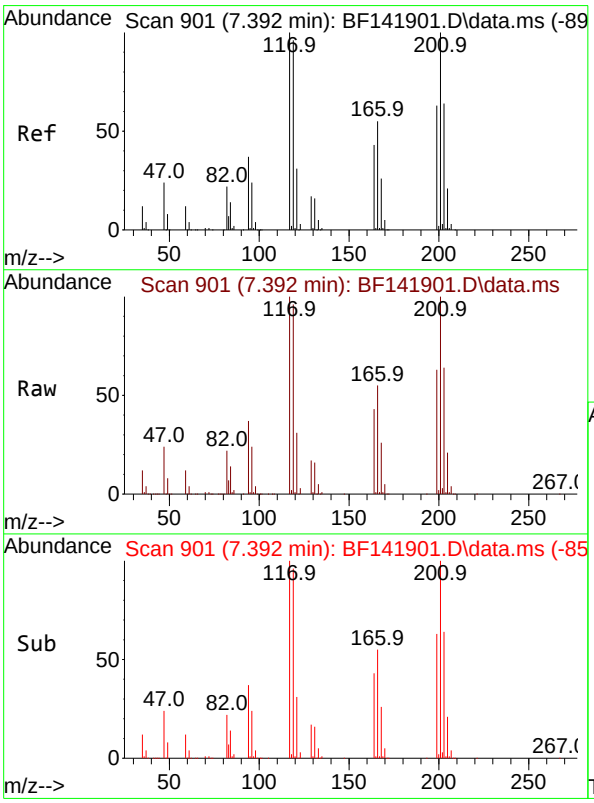
#17
2-Methylphenol
Concen: 38.190 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 449433

Ion	Ratio	Lower	Upper
107	100		
108	112.7	90.2	135.2
77	49.5	39.6	59.4
79	48.9	39.1	58.7

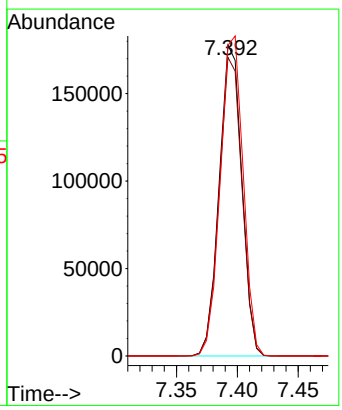


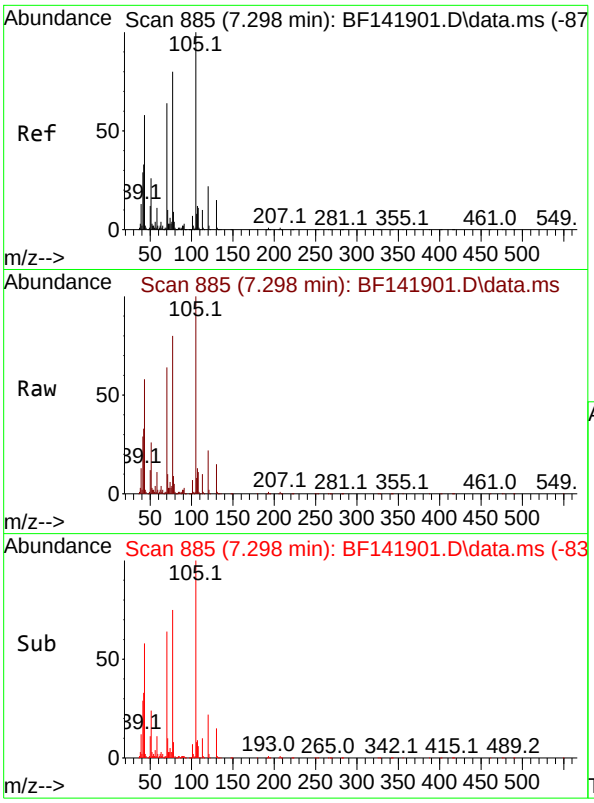


#18
Hexachloroethane
Concen: 37.993 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:117 Resp: 230613

Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.9	115.3
201	99.9	79.9	119.9



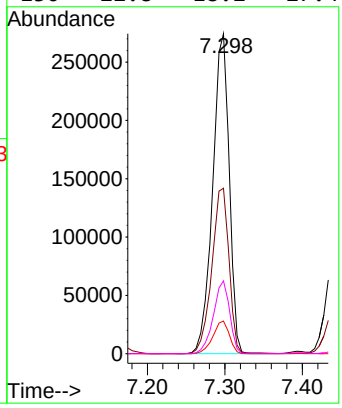


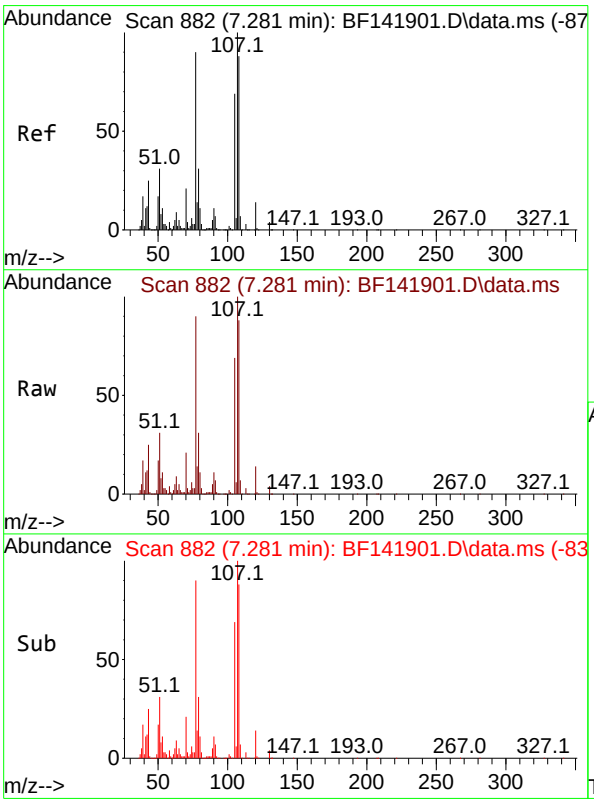
#19
n-Nitroso-di-n-propylamine
Concen: 37.223 ng
RT: 7.298 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 407069

Ion	Ratio	Lower	Upper
70	100		
42	51.7	41.4	62.0
101	10.2	8.2	12.2
130	22.8	18.2	27.4

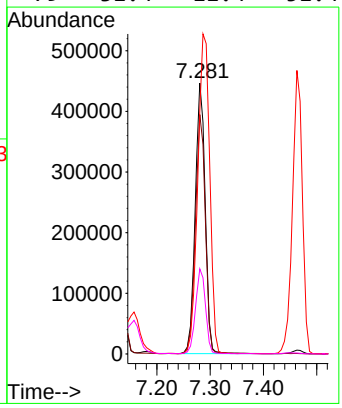


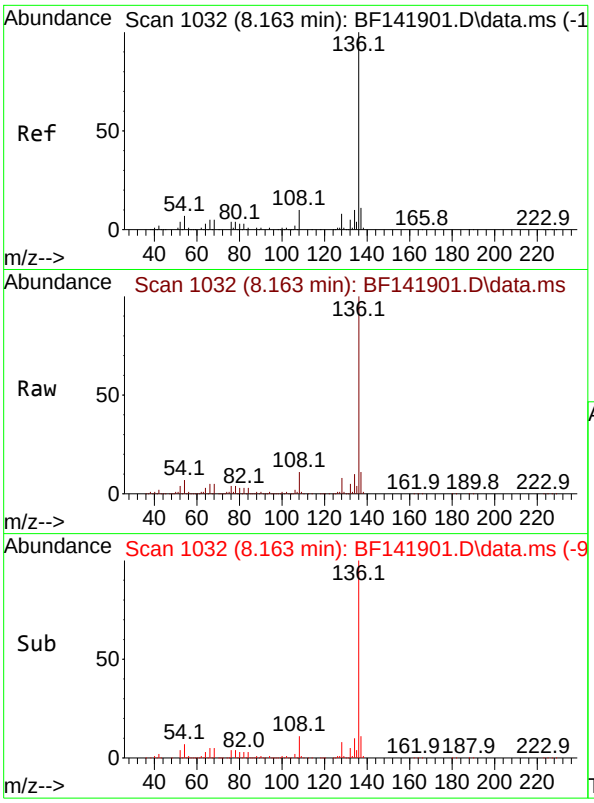


#20
3+4-Methylphenols
Concen: 38.219 ng
RT: 7.281 min Scan# 882
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:107 Resp: 576902

Ion	Ratio	Lower	Upper
107	100		
108	88.4	68.4	108.4
77	89.7	69.7	109.7
79	31.4	11.4	51.4



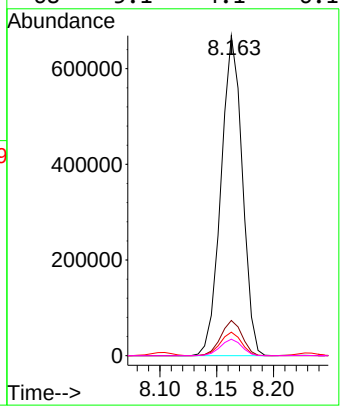


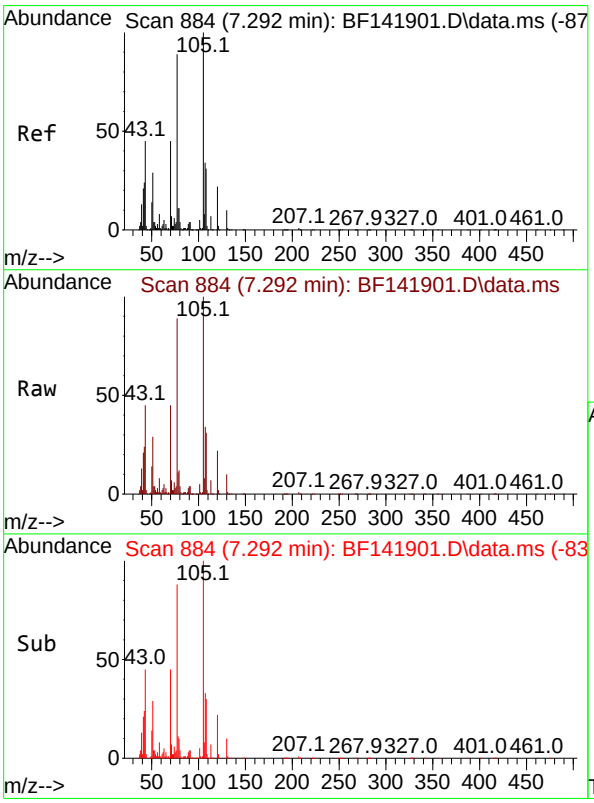
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 874166

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.3	5.8	8.8
68	5.1	4.1	6.1

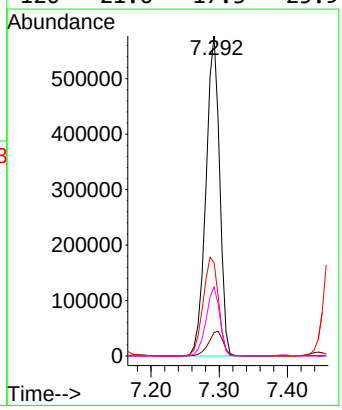


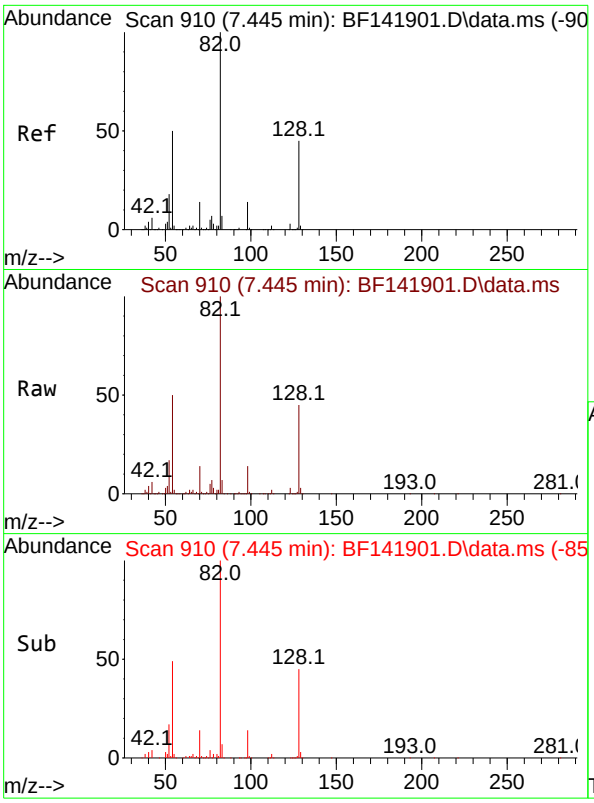


#22
Acetophenone
Concen: 38.376 ng
RT: 7.292 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:105 Resp: 804747

Ion	Ratio	Lower	Upper
105	100		
71	7.3	5.8	8.8
51	29.2	23.4	35.0
120	21.6	17.3	25.9



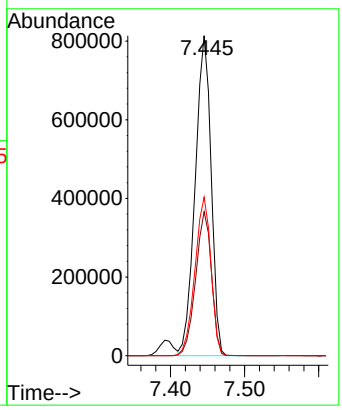


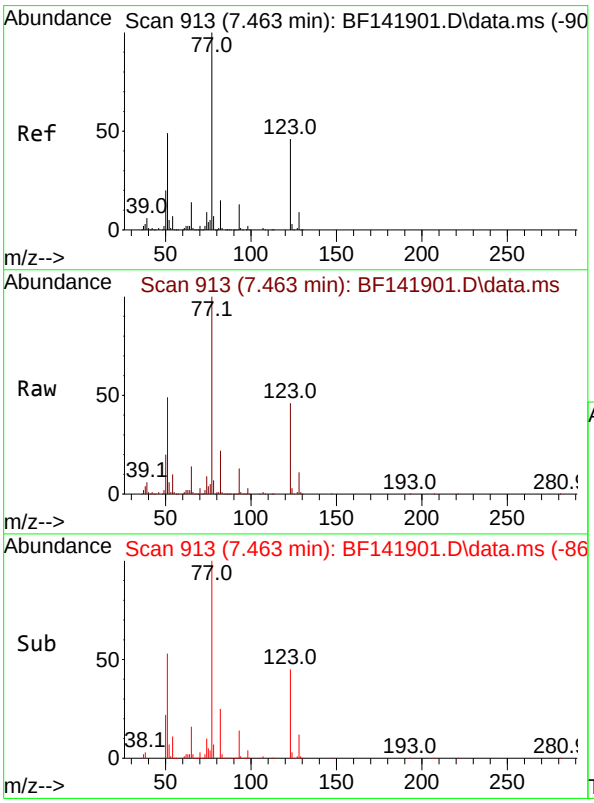
#23
Nitrobenzene-d5
Concen: 77.983 ng
RT: 7.445 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1216280

Ion	Ratio	Lower	Upper
82	100		
128	45.0	36.0	54.0
54	49.5	39.6	59.4

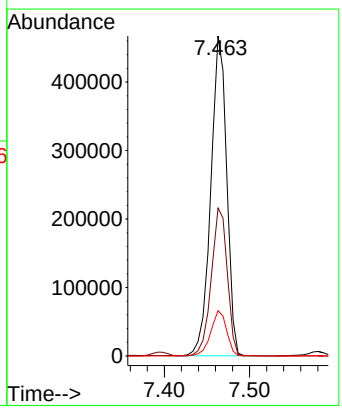


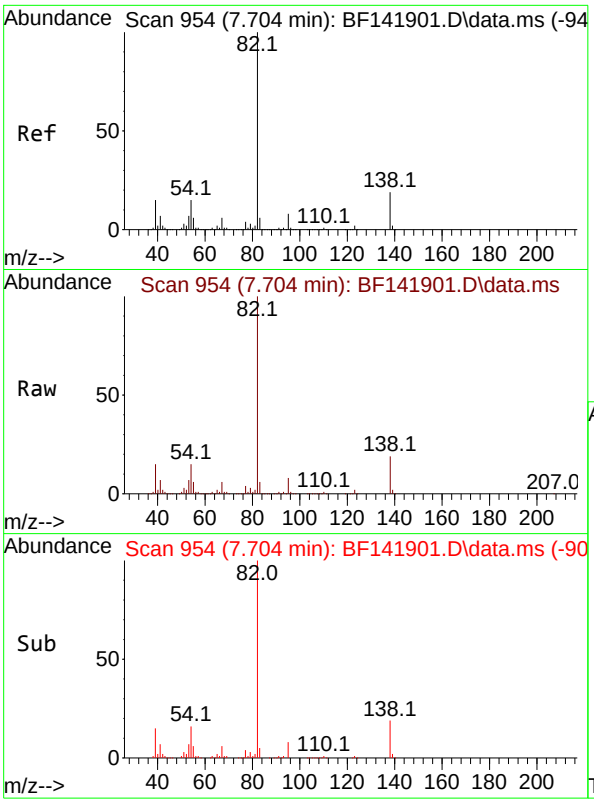


#24
Nitrobenzene
Concen: 39.106 ng
RT: 7.463 min Scan# 913
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 77 Resp: 604738

Ion	Ratio	Lower	Upper
77	100		
123	46.2	37.0	55.4
65	14.1	11.3	16.9



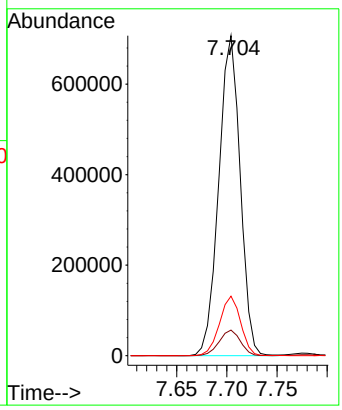


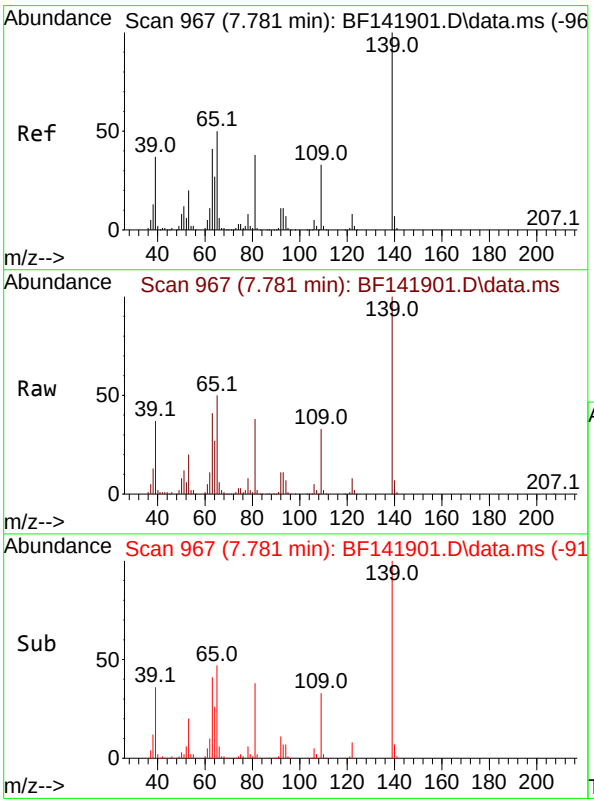
#25
Isophorone
Concen: 38.097 ng
RT: 7.704 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1049049

Ion	Ratio	Lower	Upper
82	100		
95	8.0	6.4	9.6
138	18.6	14.9	22.3

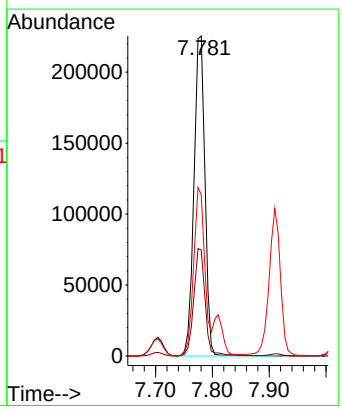


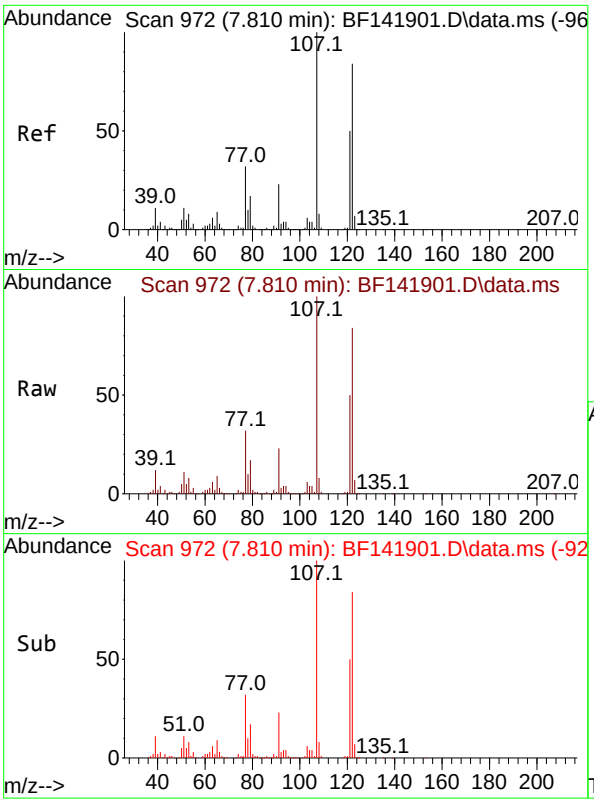


#26
2-Nitrophenol
Concen: 40.295 ng
RT: 7.781 min Scan# 967
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:139 Resp: 305349

Ion	Ratio	Lower	Upper
139	100		
109	33.1	26.5	39.7
65	50.4	40.3	60.5



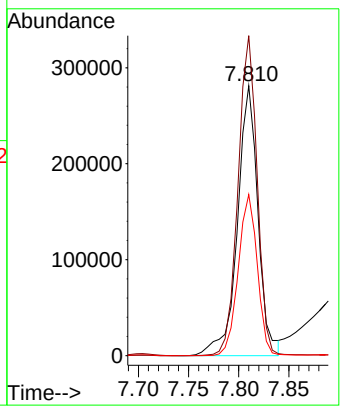


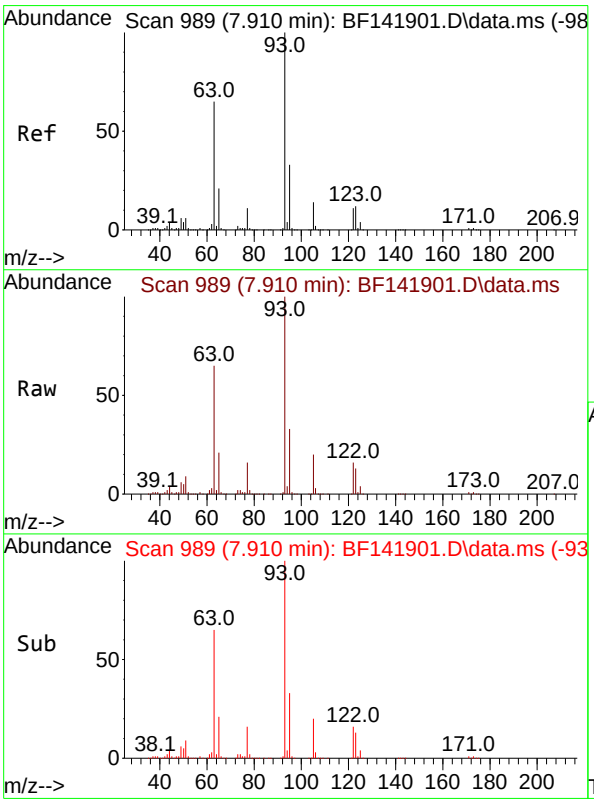
#27
2,4-Dimethylphenol
Concen: 38.671 ng
RT: 7.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 403621

Ion	Ratio	Lower	Upper
122	100		
107	118.5	94.8	142.2
121	59.7	47.8	71.6

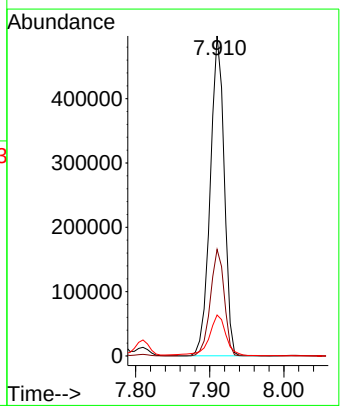


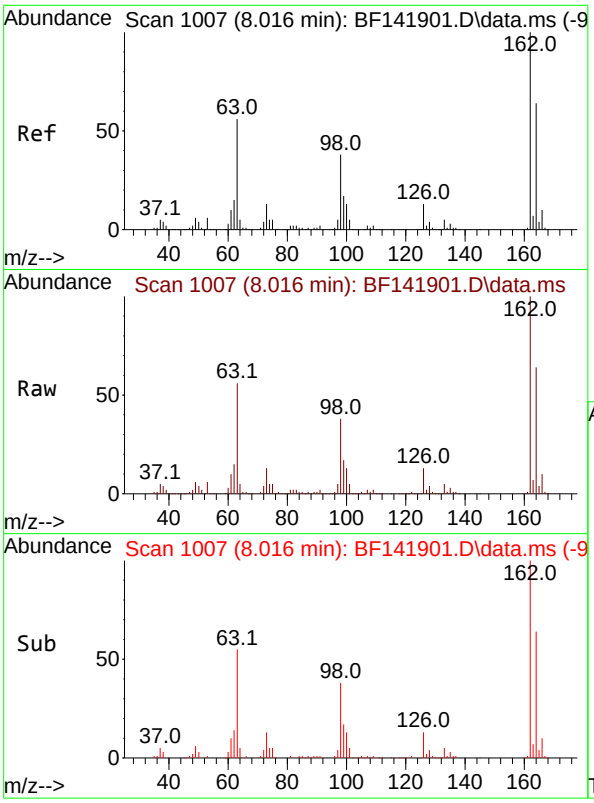


#28
bis(2-Chloroethoxy)methane
Concen: 37.702 ng
RT: 7.910 min Scan# 989
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 93 Resp: 650344

Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.6	40.0
123	12.8	10.2	15.4



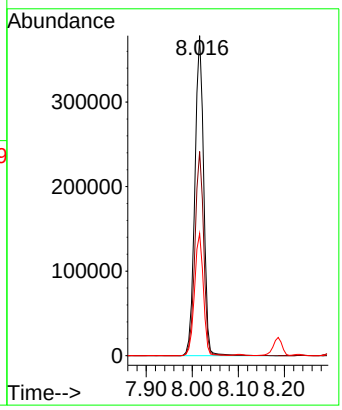


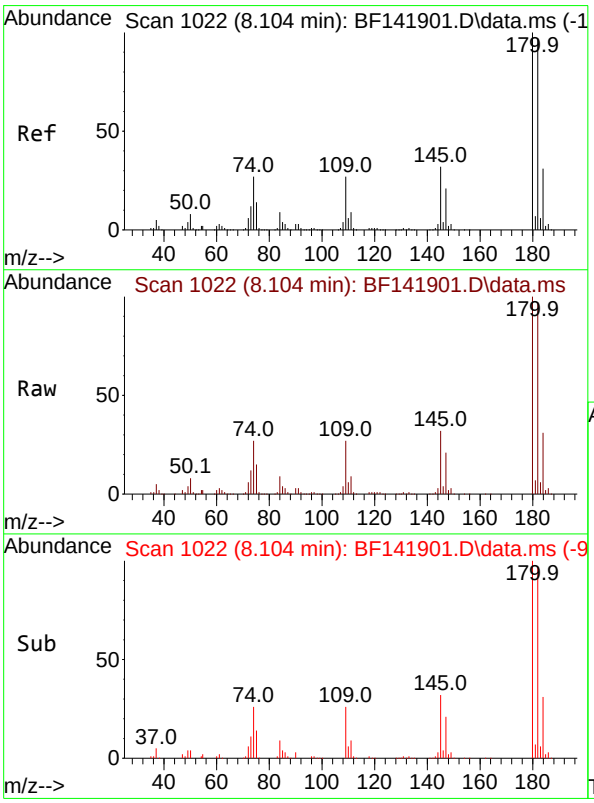
#29
2,4-Dichlorophenol
Concen: 38.619 ng
RT: 8.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 500239

Ion	Ratio	Lower	Upper
162	100		
164	63.8	43.8	83.8
98	38.1	18.1	58.1

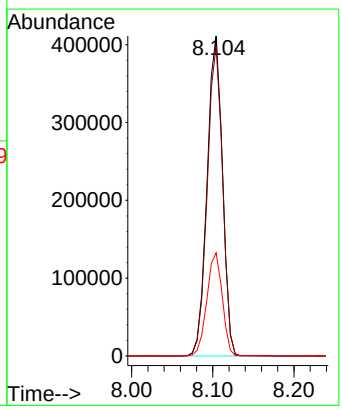


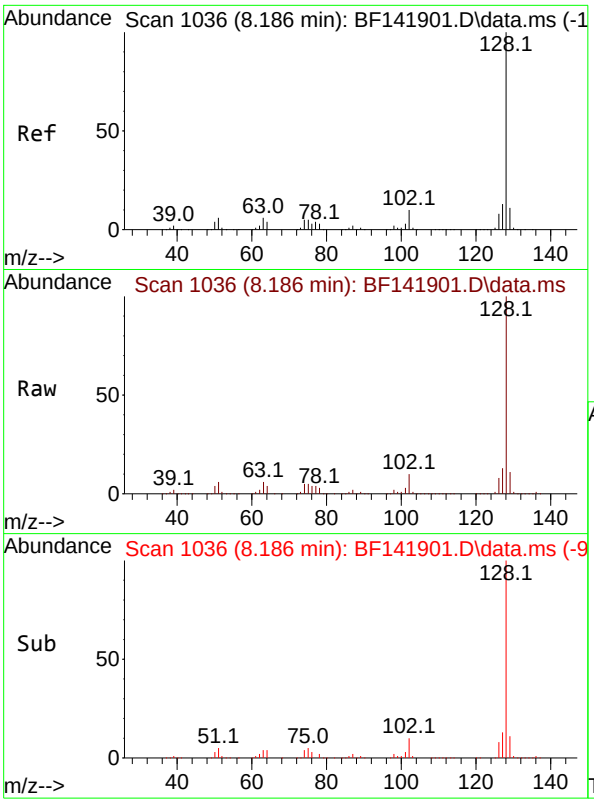


#30
1,2,4-Trichlorobenzene
Concen: 37.870 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:180 Resp: 541182

Ion	Ratio	Lower	Upper
180	100		
182	96.9	77.5	116.3
145	32.2	25.8	38.6



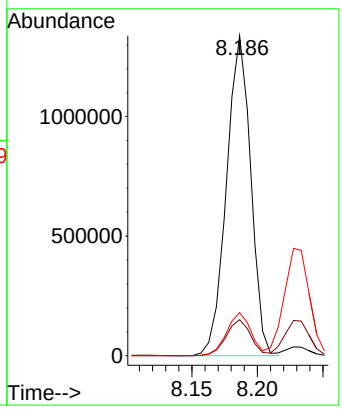


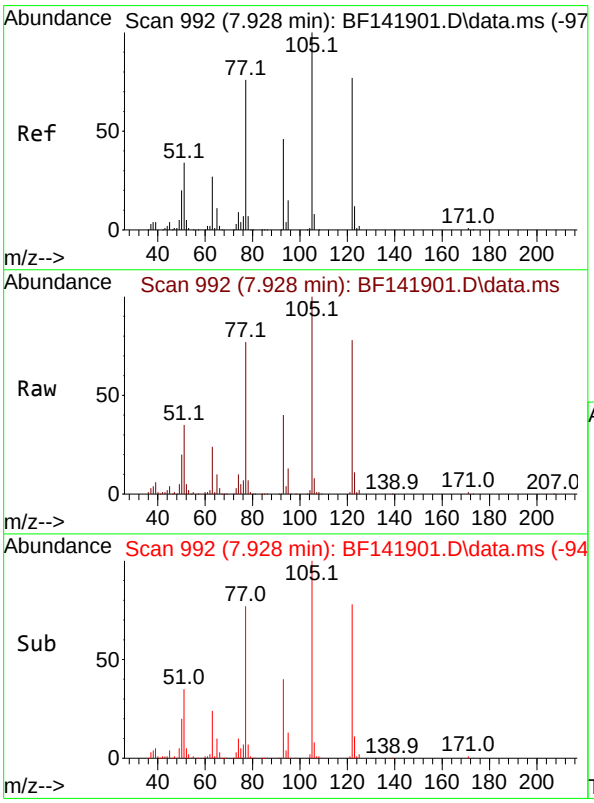
#31
Naphthalene
Concen: 38.400 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 1719643

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	13.5	10.8	16.2

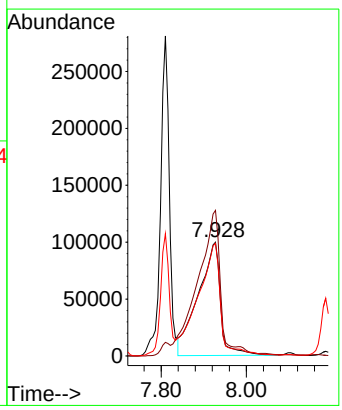


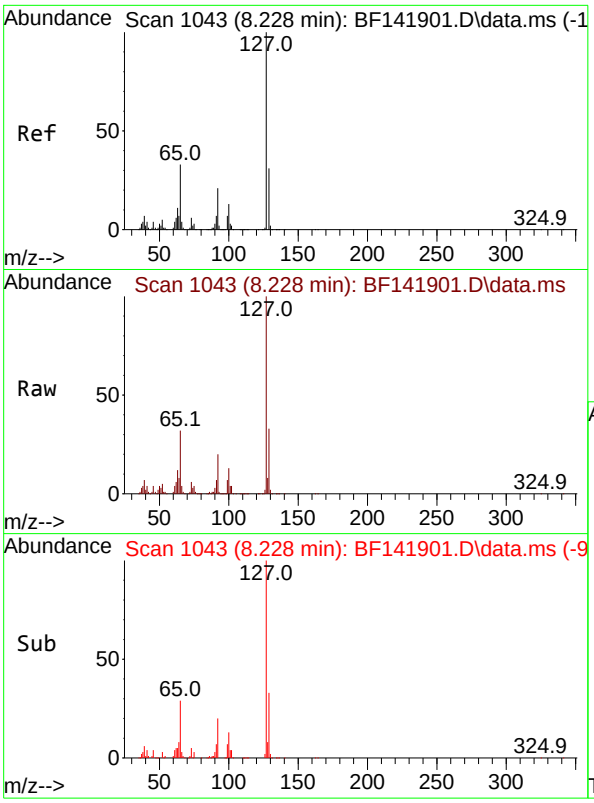


#32
Benzoic acid
Concen: 39.827 ng
RT: 7.928 min Scan# 992
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:122 Resp: 363328

Ion	Ratio	Lower	Upper
122	100		
105	127.9	107.9	147.9
77	99.0	79.0	119.0



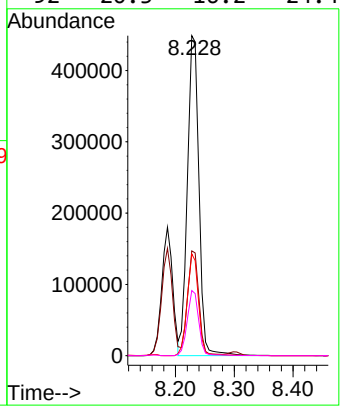


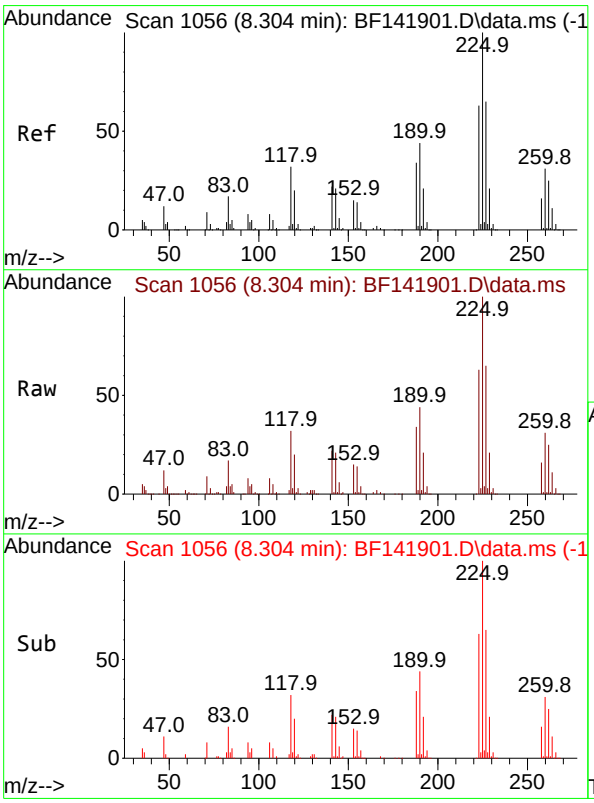
#33
4-Chloroaniline
Concen: 38.824 ng
RT: 8.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 613535

Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.2	39.4
65	31.8	25.4	38.2
92	20.3	16.2	24.4

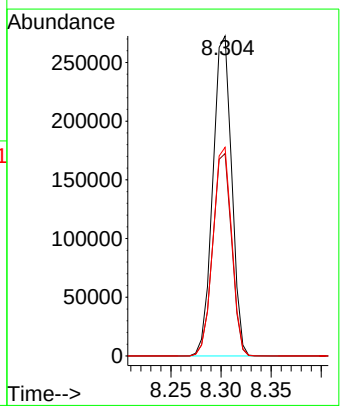


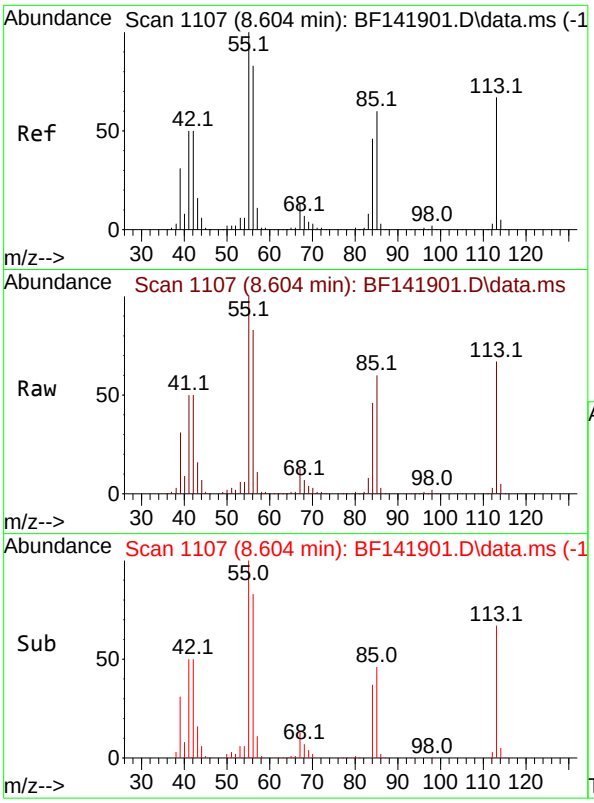


#34
Hexachlorobutadiene
Concen: 38.285 ng
RT: 8.304 min Scan# 1056
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:225 Resp: 355740

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	75.8
227	65.2	52.2	78.2



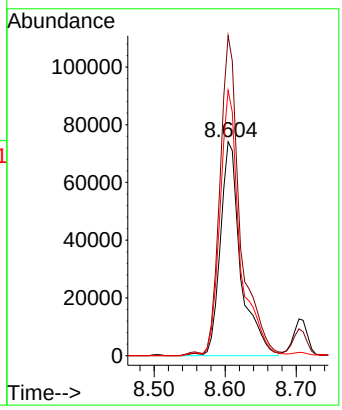


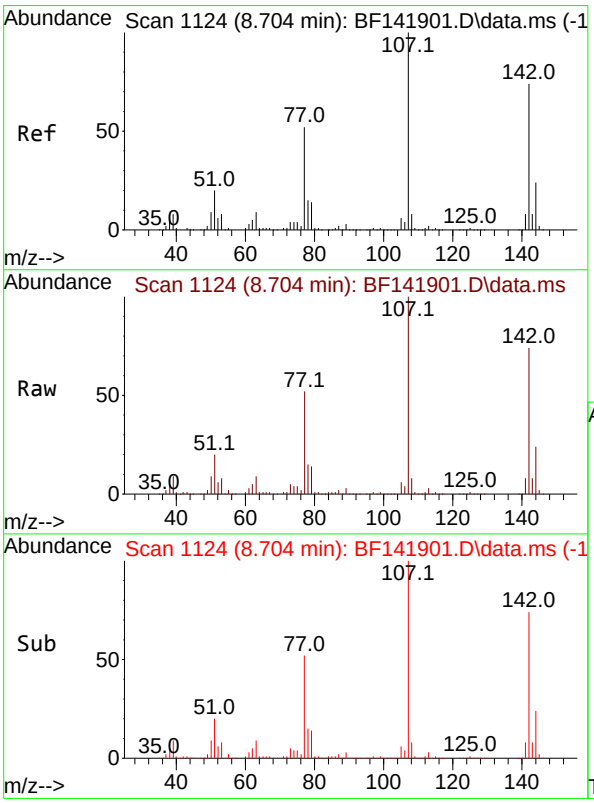
#35
Caprolactam
Concen: 37.335 ng
RT: 8.604 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 147056

Ion	Ratio	Lower	Upper
113	100		
55	149.6	129.6	169.6
56	124.0	104.0	144.0

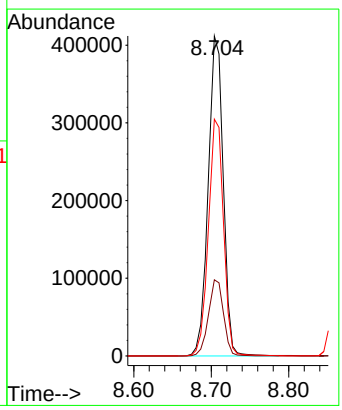


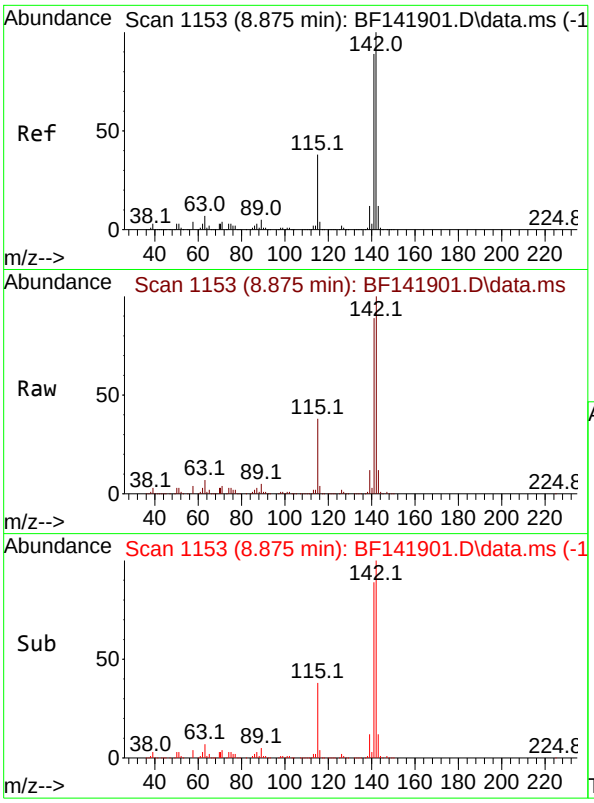


#36
4-Chloro-3-methylphenol
Concen: 38.549 ng
RT: 8.704 min Scan# 1124
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:107 Resp: 555328

Ion	Ratio	Lower	Upper
107	100		
144	23.8	19.0	28.6
142	74.0	59.2	88.8



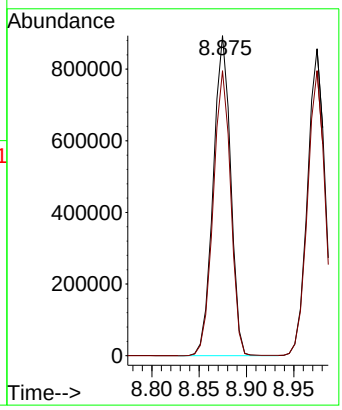


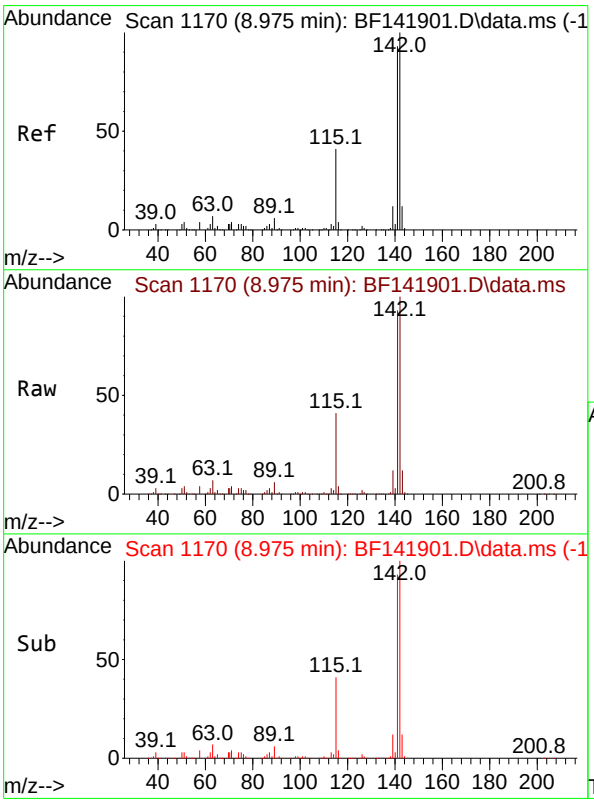
#37
2-Methylnaphthalene
Concen: 37.983 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 1141228

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.2	106.8

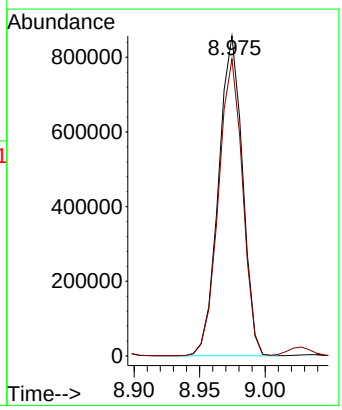


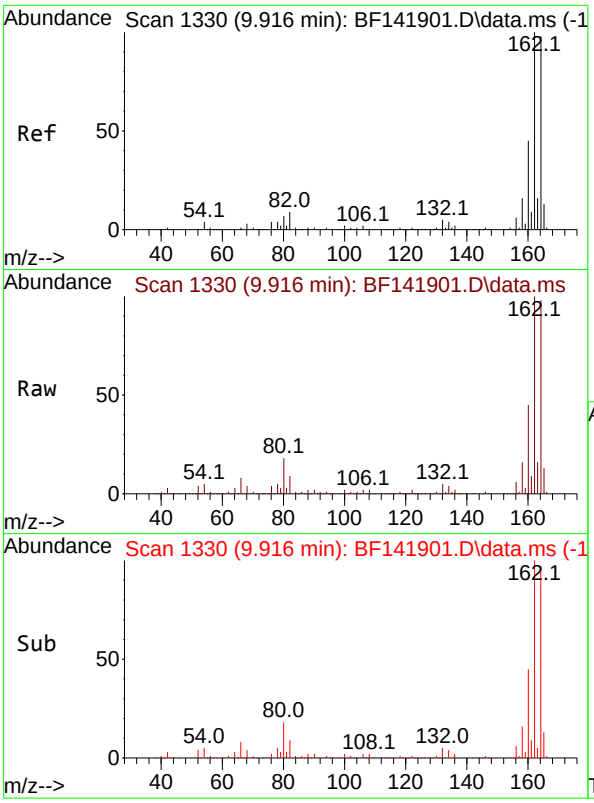


#38
1-Methylnaphthalene
Concen: 37.447 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:142 Resp: 1089576

Ion	Ratio	Lower	Upper
142	100		
141	92.8	74.2	111.4



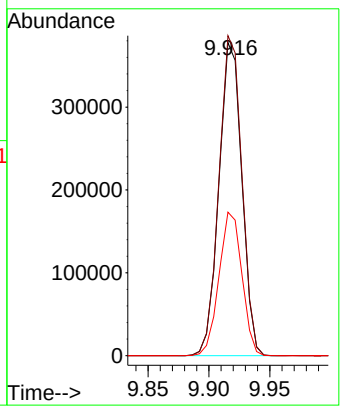


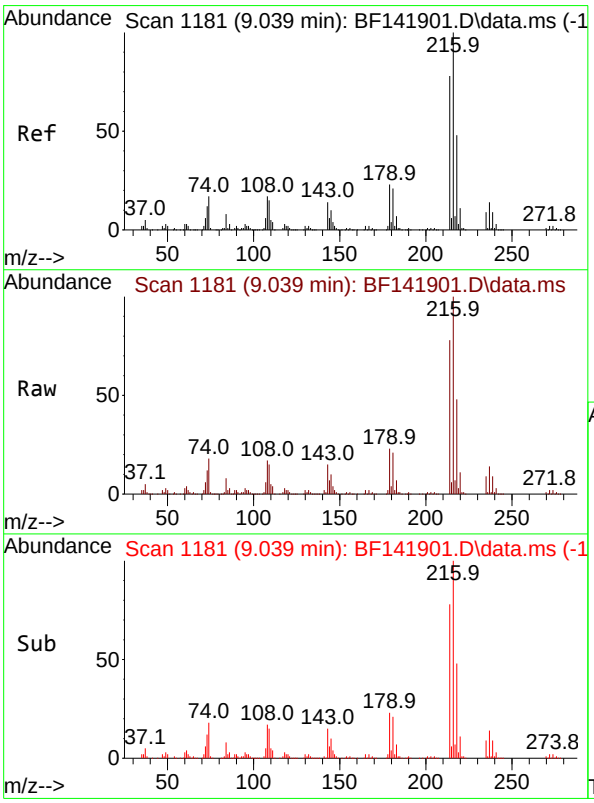
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 493744

Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.8	122.6
160	45.9	36.7	55.1

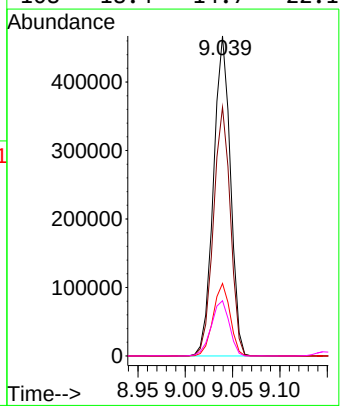


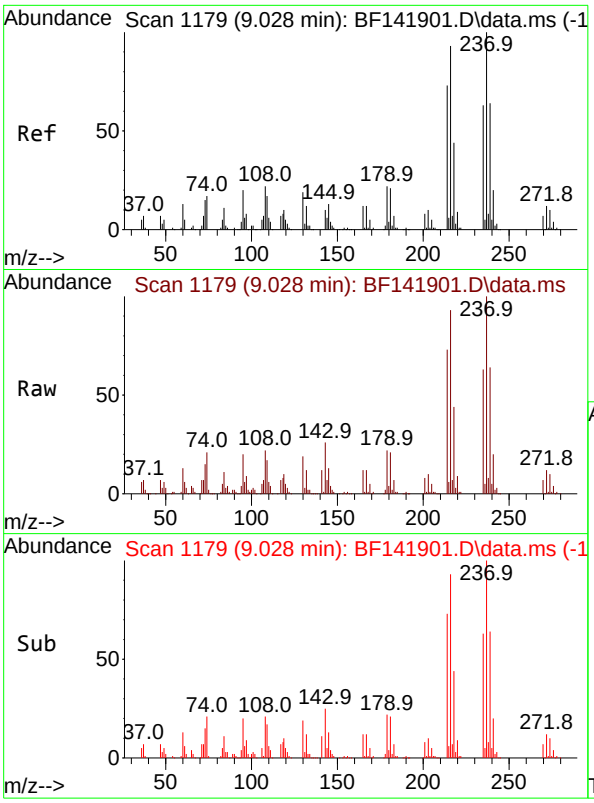


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.814 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:216 Resp: 584322

Ion	Ratio	Lower	Upper
216	100		
214	77.4	61.9	92.9
179	22.6	18.1	27.1
108	18.4	14.7	22.1



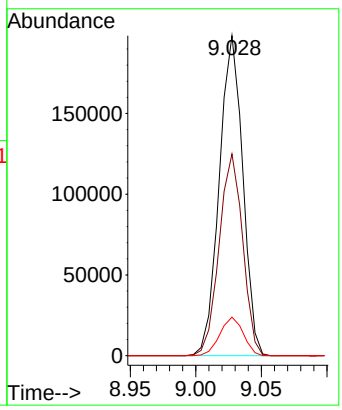


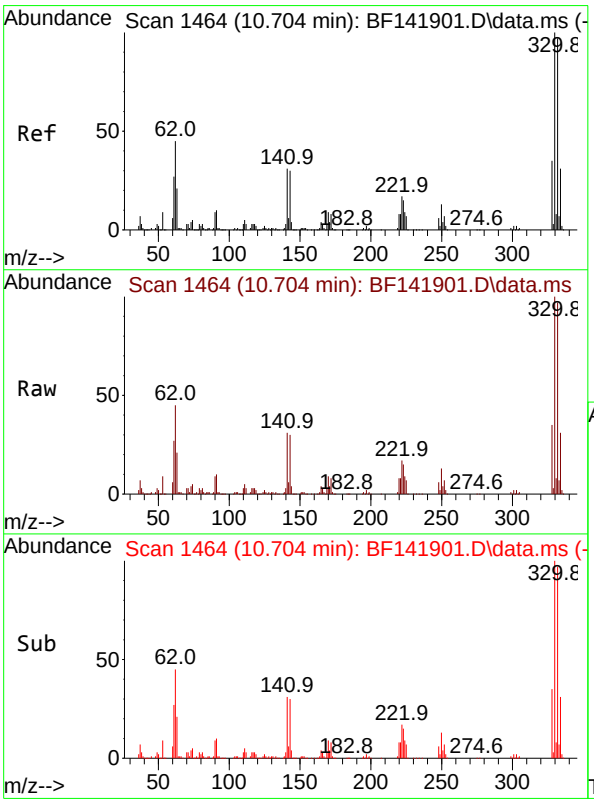
#41
Hexachlorocyclopentadiene
Concen: 41.523 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 246666

Ion	Ratio	Lower	Upper
237	100		
235	63.1	43.1	83.1
272	12.0	0.0	32.0

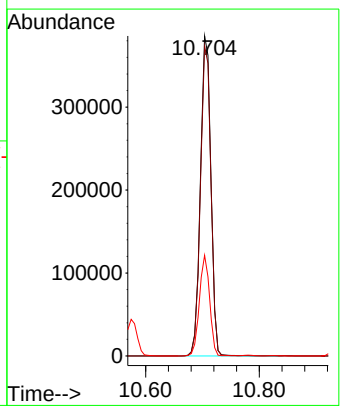


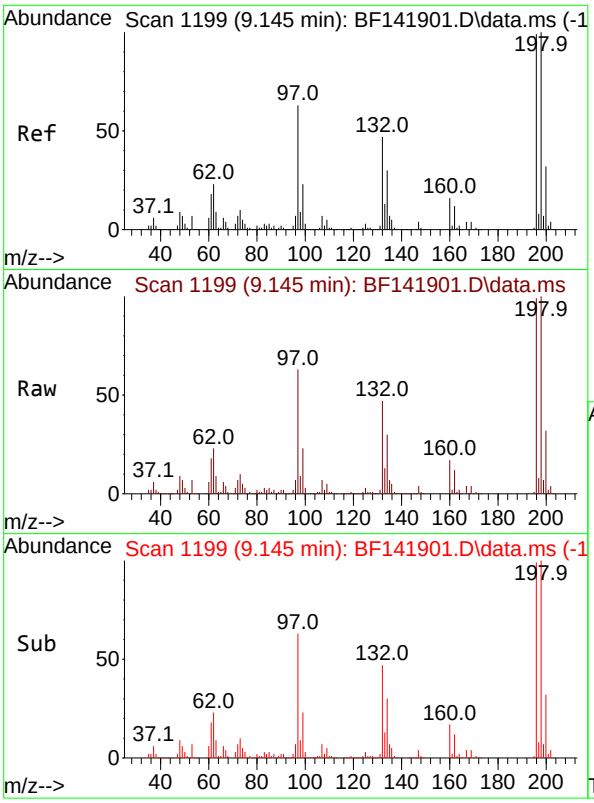


#42
2,4,6-Tribromophenol
Concen: 78.949 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:330 Resp: 493945

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.6	116.4
141	30.9	24.7	37.1



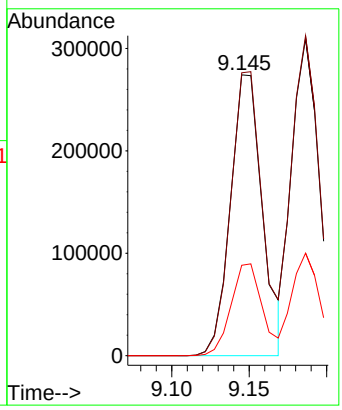


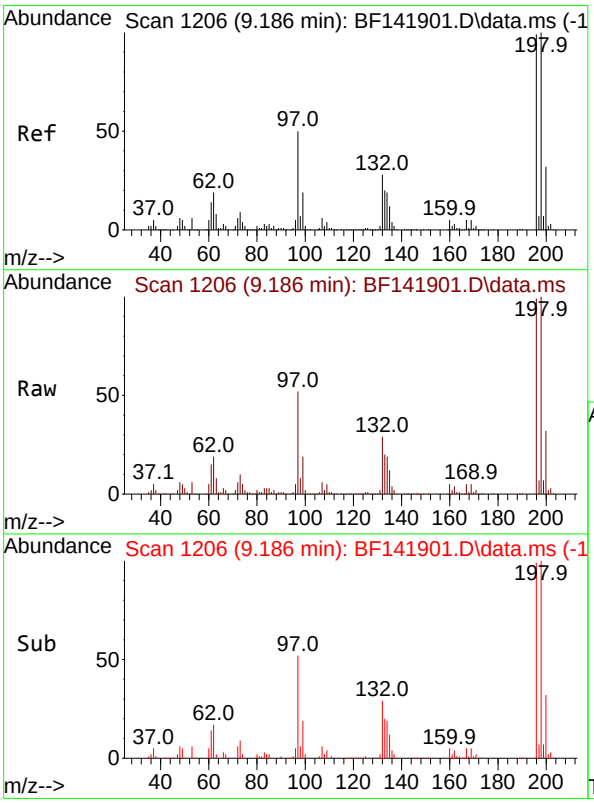
#43
2,4,6-Trichlorophenol
Concen: 40.014 ng
RT: 9.145 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 392696

Ion	Ratio	Lower	Upper
196	100		
198	100.8	80.6	121.0
200	32.2	25.8	38.6

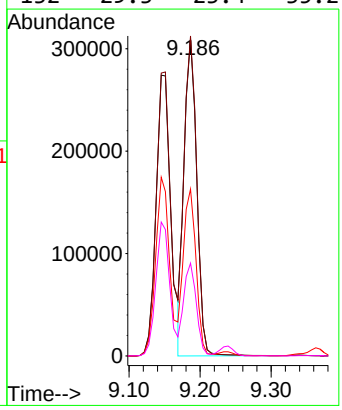


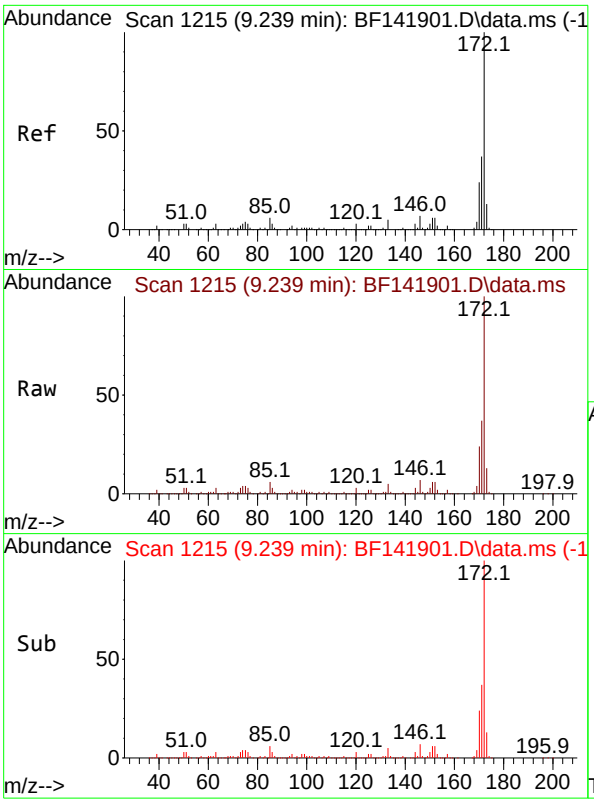


#44
2,4,5-Trichlorophenol
Concen: 38.566 ng
RT: 9.186 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:196 Resp: 384539

Ion	Ratio	Lower	Upper
196	100		
198	100.9	80.7	121.1
97	52.6	42.1	63.1
132	29.3	23.4	35.2



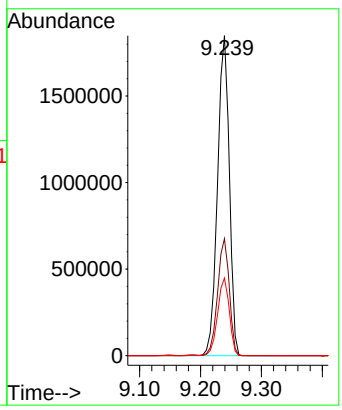


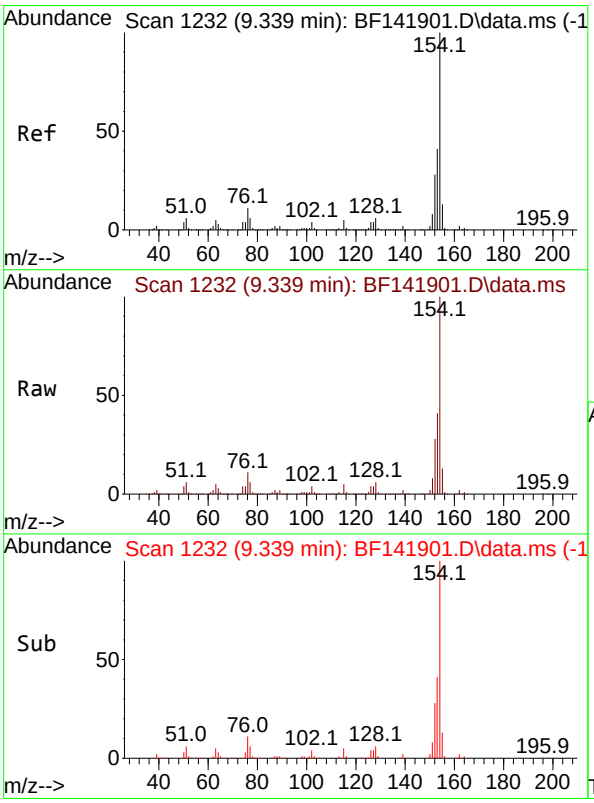
#45
2-Fluorobiphenyl
Concen: 76.357 ng
RT: 9.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 2475837

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.3	43.9
170	24.2	19.4	29.0

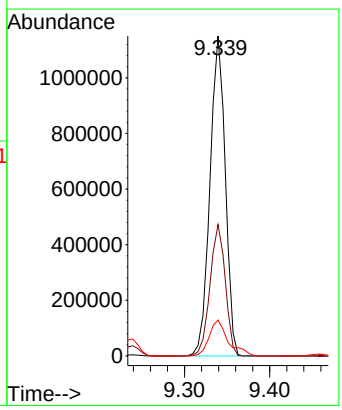


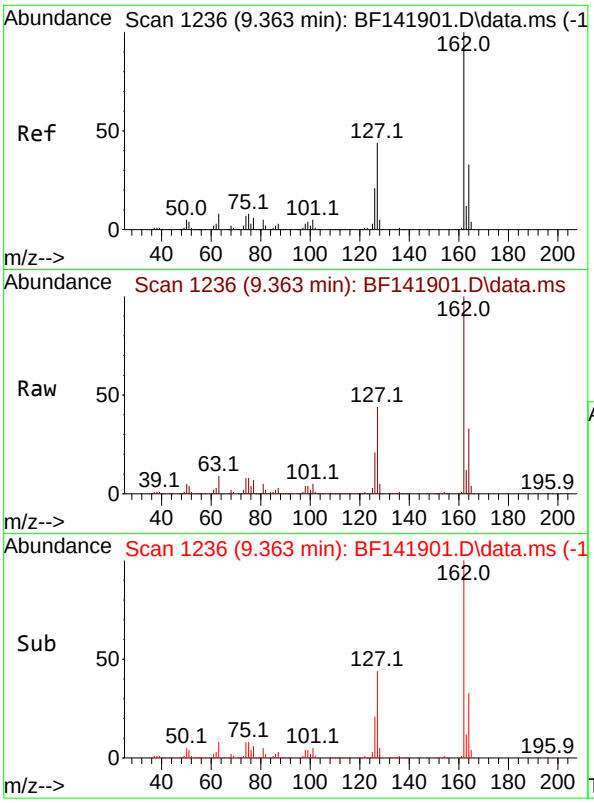


#46
1,1'-Biphenyl
Concen: 38.362 ng
RT: 9.339 min Scan# 1232
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:154 Resp: 1436040

Ion	Ratio	Lower	Upper
154	100		
153	41.1	21.1	61.1
76	11.3	0.0	31.3



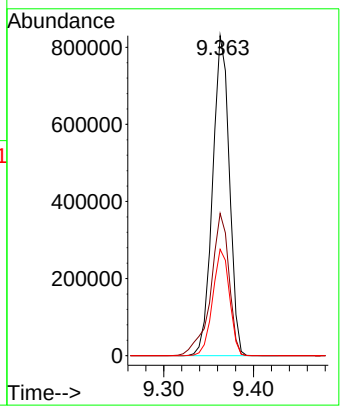


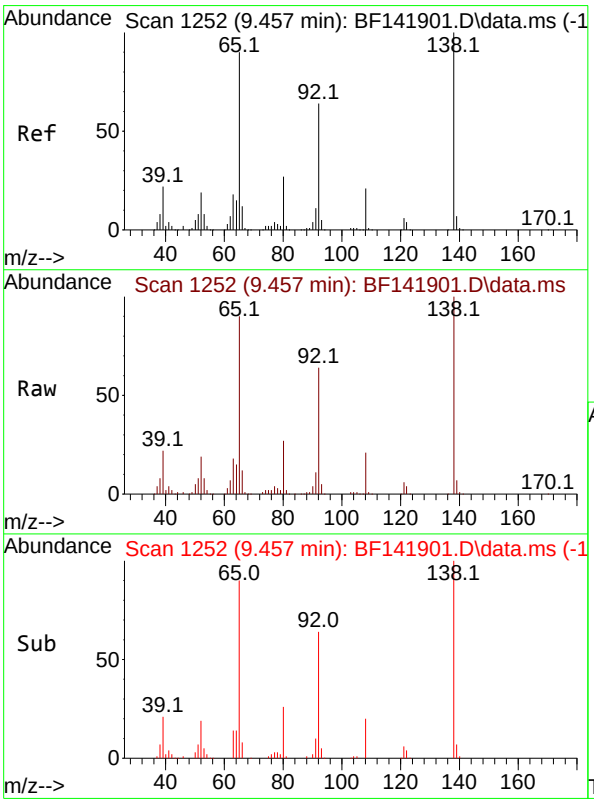
#47
2-Chloronaphthalene
Concen: 38.609 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 1077099

Ion	Ratio	Lower	Upper
162	100		
127	44.4	35.5	53.3
164	33.3	26.6	40.0

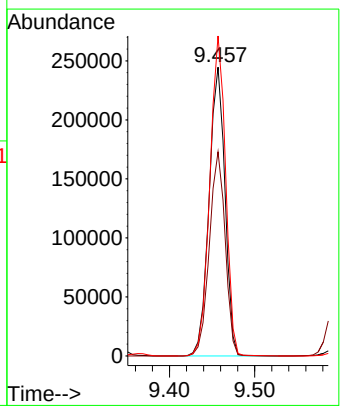


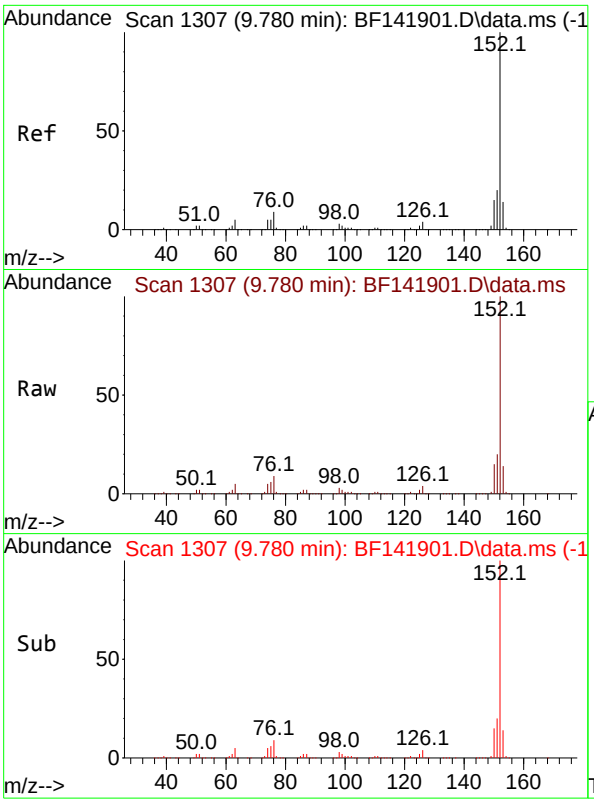


#48
2-Nitroaniline
Concen: 39.690 ng
RT: 9.457 min Scan# 1252
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 65 Resp: 318068

Ion	Ratio	Lower	Upper
65	100		
92	70.7	56.6	84.8
138	110.8	88.6	133.0



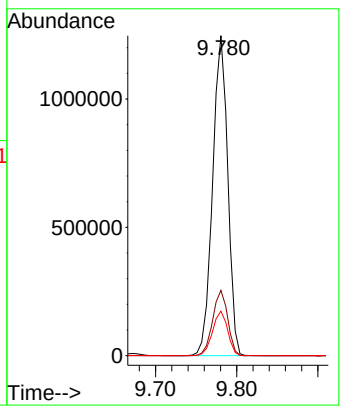


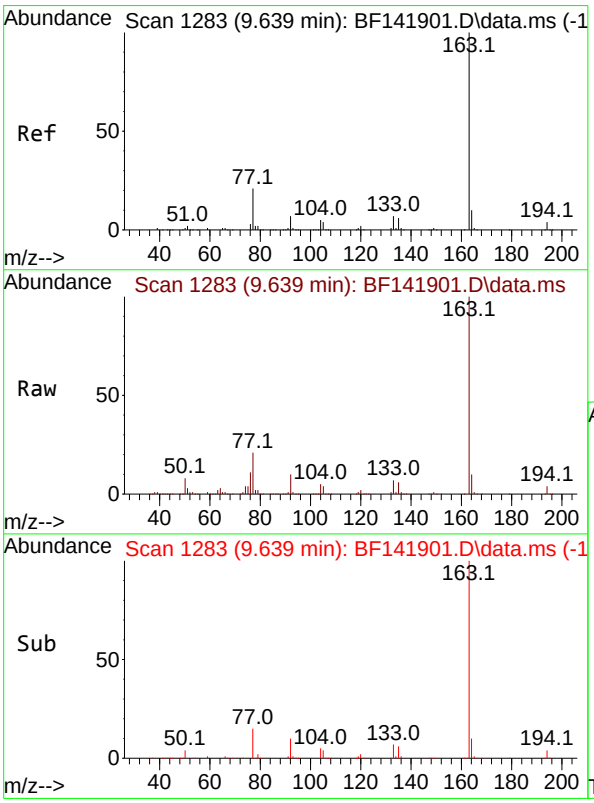
#49
Acenaphthylene
Concen: 39.029 ng
RT: 9.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 1614250

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	13.9	11.1	16.7

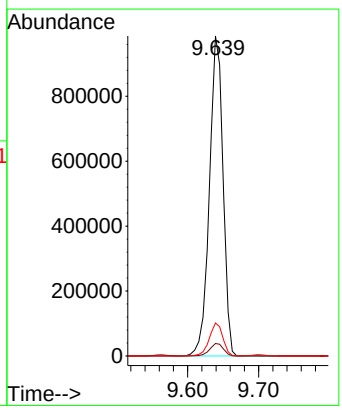


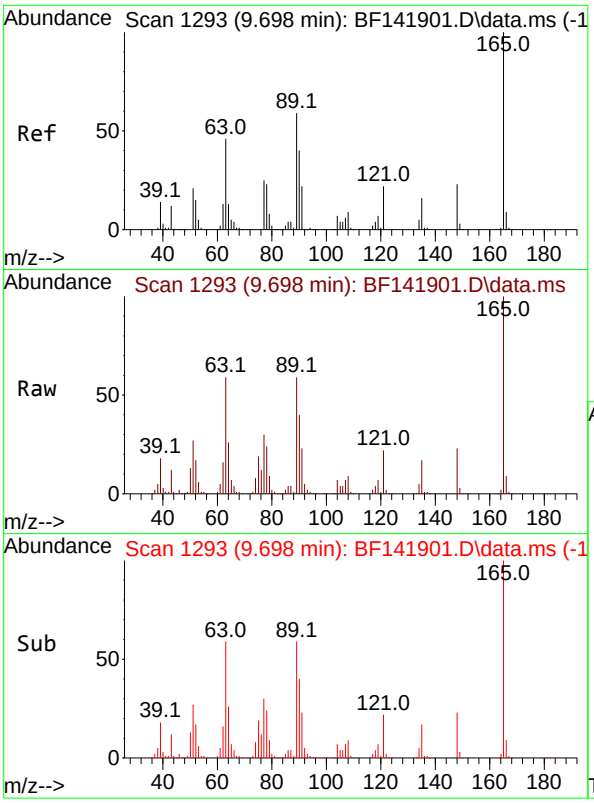


#50
Dimethylphthalate
Concen: 38.270 ng
RT: 9.639 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:163 Resp: 1312856

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.3	8.2	12.4



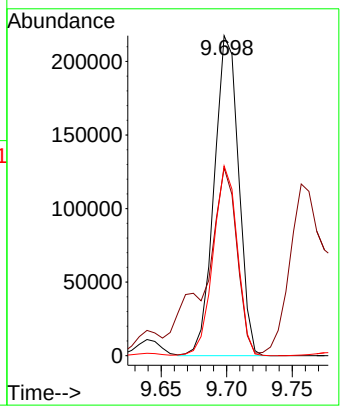


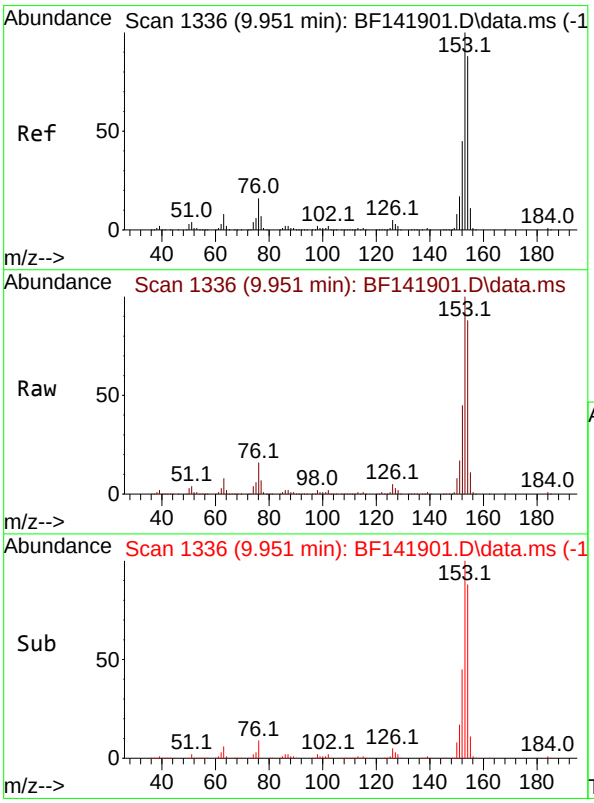
#51
2,6-Dinitrotoluene
Concen: 39.486 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 281695

Ion	Ratio	Lower	Upper
165	100		
63	58.7	47.0	70.4
89	59.3	47.4	71.2

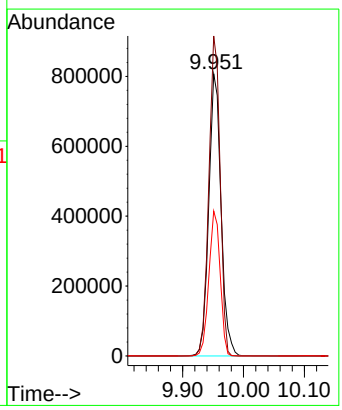


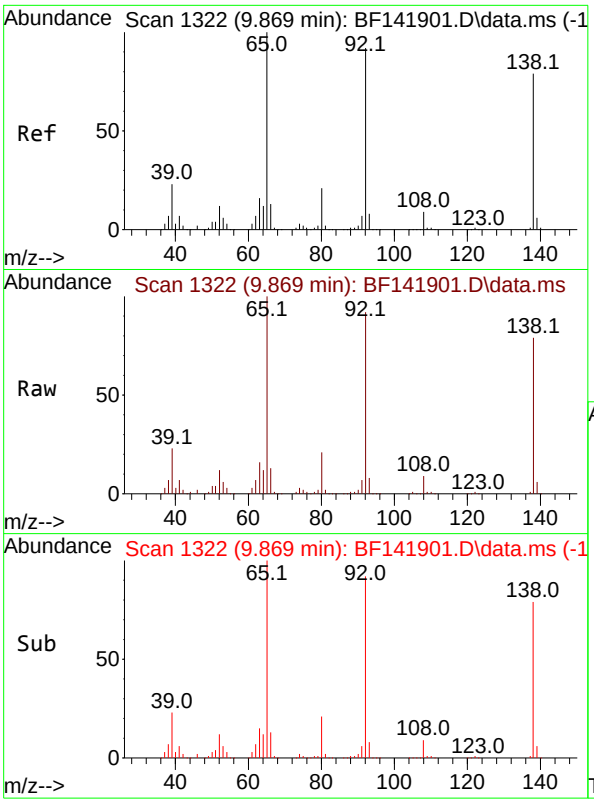


#52
Acenaphthene
Concen: 38.764 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:154 Resp: 1132087

Ion	Ratio	Lower	Upper
154	100		
153	113.4	90.7	136.1
152	51.4	41.1	61.7



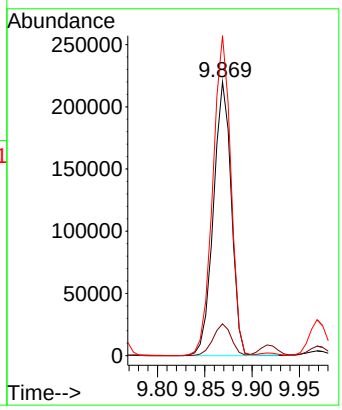


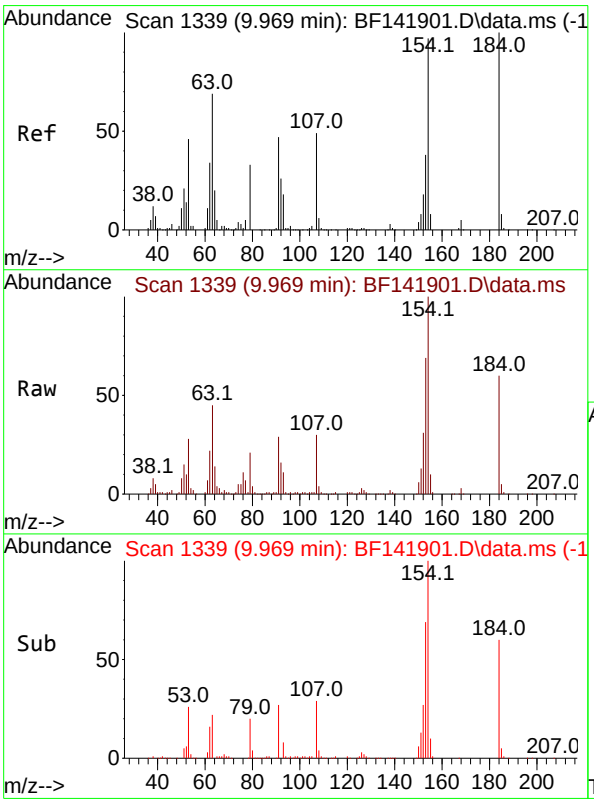
#53
3-Nitroaniline
Concen: 39.481 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 289208

Ion	Ratio	Lower	Upper
138	100		
108	11.6	9.3	13.9
92	116.9	93.5	140.3

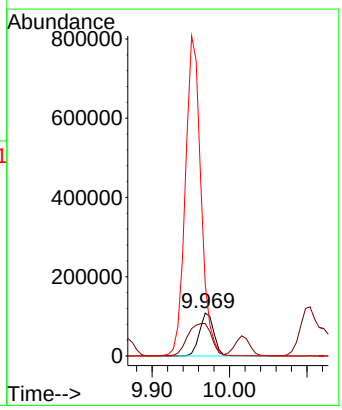


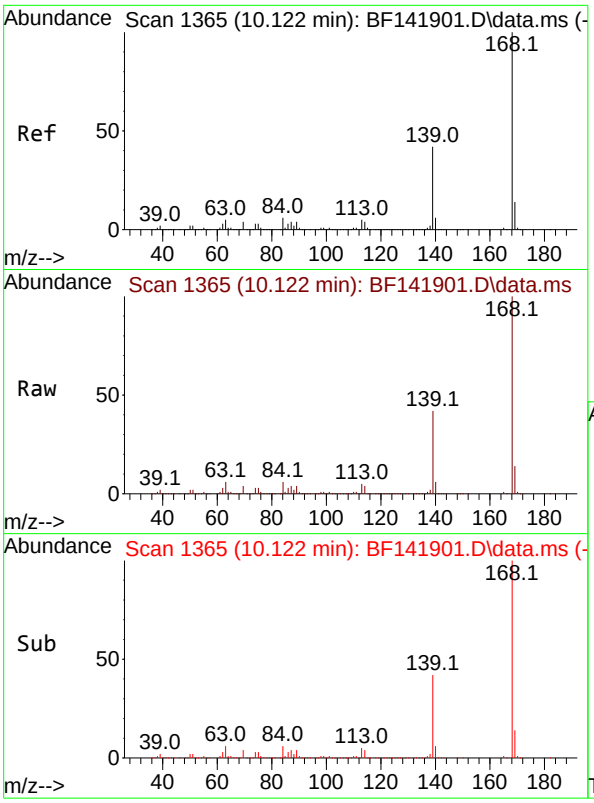


#54
2,4-Dinitrophenol
Concen: 38.116 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:184 Resp: 140024

Ion	Ratio	Lower	Upper
184	100		
63	75.3	60.2	90.4
154	166.1	132.9	199.3



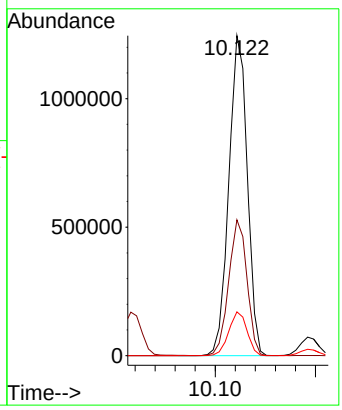


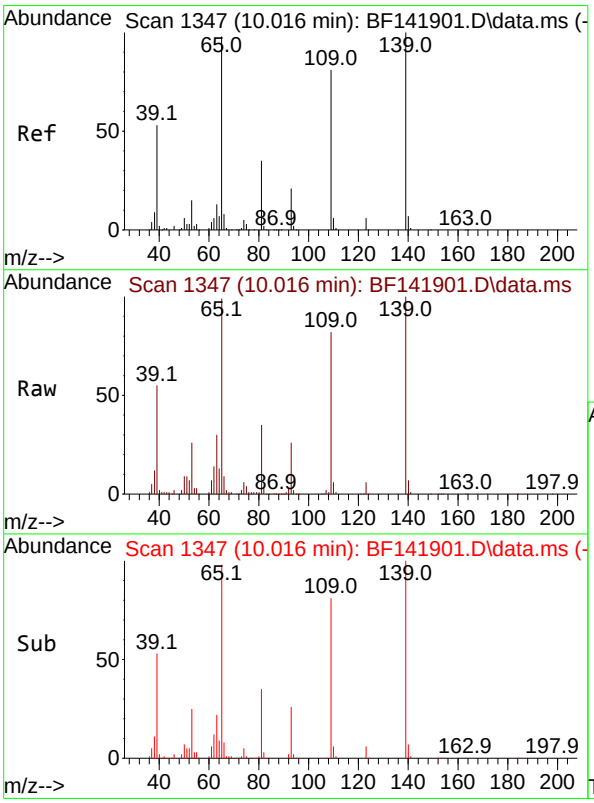
#55
Dibenzofuran
Concen: 38.266 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 1593454

Ion	Ratio	Lower	Upper
168	100		
139	42.4	33.9	50.9
169	13.7	11.0	16.4

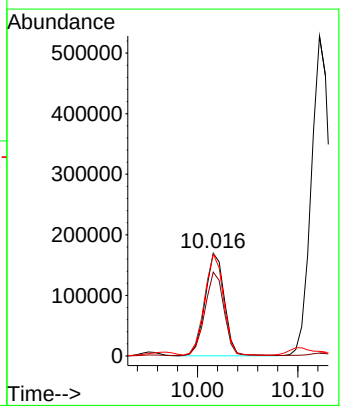


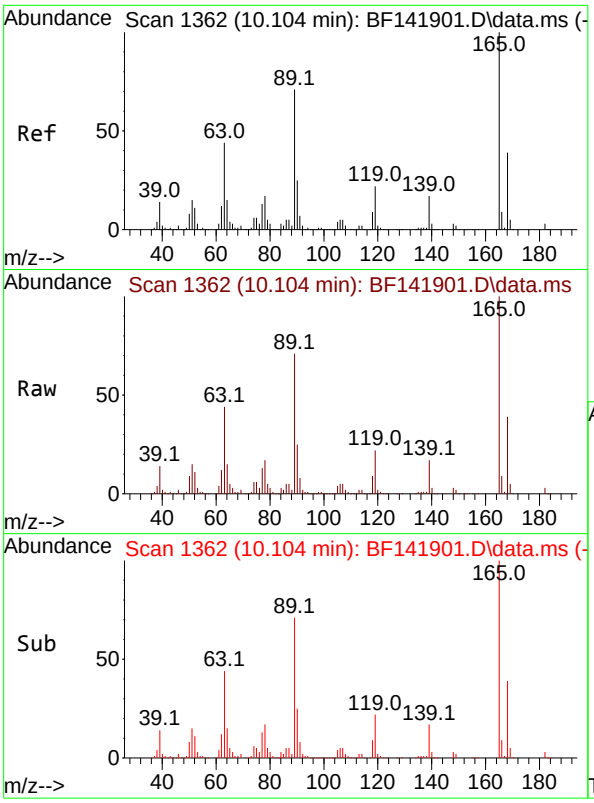


#56
4-Nitrophenol
Concen: 41.266 ng
RT: 10.016 min Scan# 1347
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:139 Resp: 227070

Ion	Ratio	Lower	Upper
139	100		
109	81.6	61.6	101.6
65	99.4	79.4	119.4



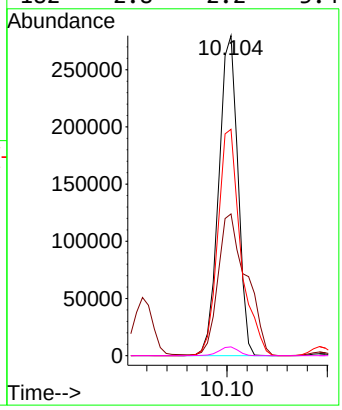


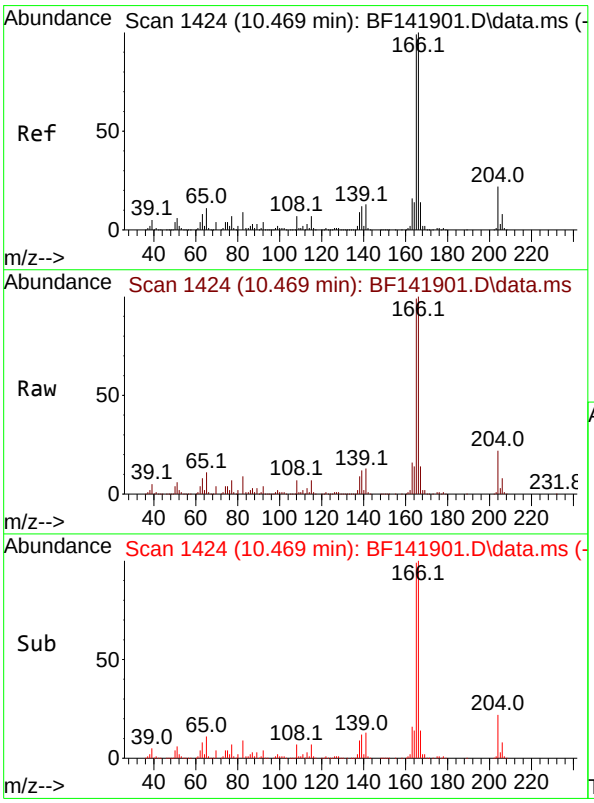
#57
2,4-Dinitrotoluene
Concen: 39.437 ng
RT: 10.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 370337

Ion	Ratio	Lower	Upper
165	100		
63	44.3	35.4	53.2
89	70.7	56.6	84.8
182	2.8	2.2	3.4

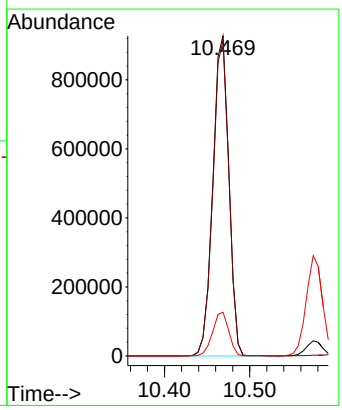


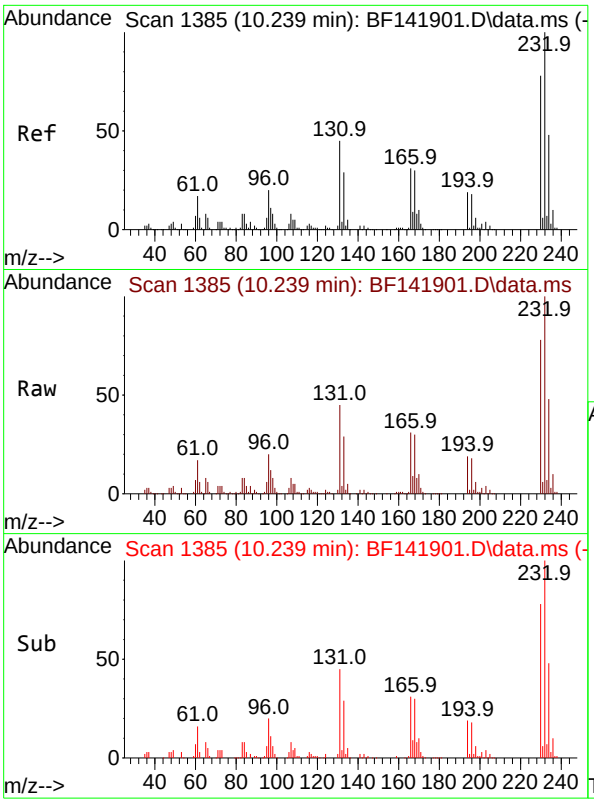


#58
Fluorene
Concen: 37.742 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:166 Resp: 1213316

Ion	Ratio	Lower	Upper
166	100		
165	98.7	79.0	118.4
167	13.7	11.0	16.4



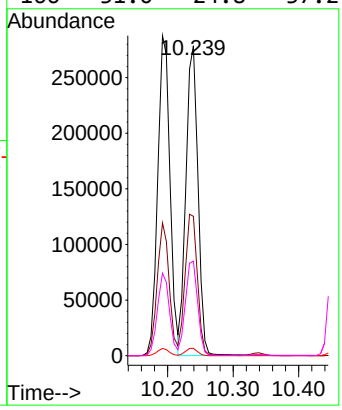


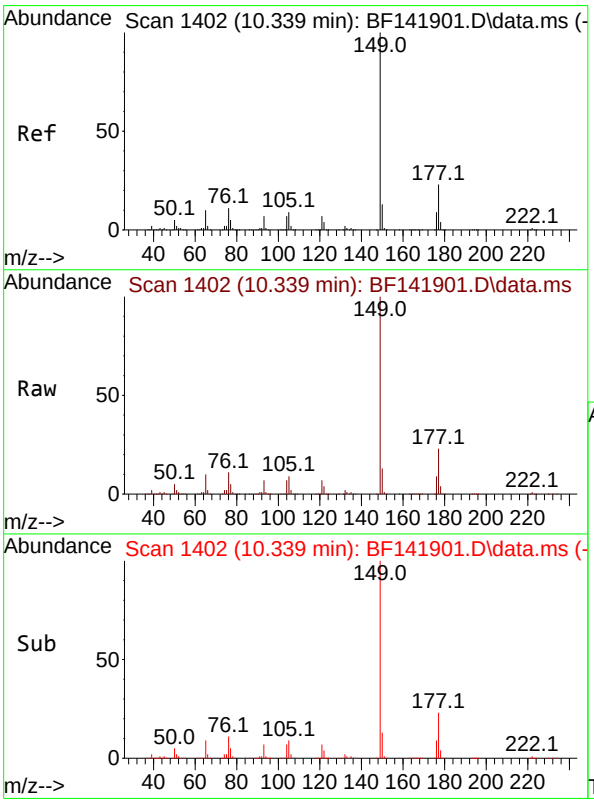
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.225 ng
RT: 10.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 354863

Ion	Ratio	Lower	Upper
232	100		
131	46.6	37.3	55.9
130	2.4	1.9	2.9
166	31.0	24.8	37.2

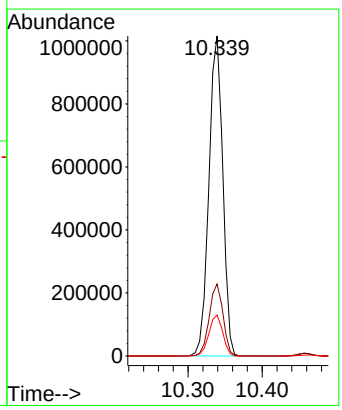


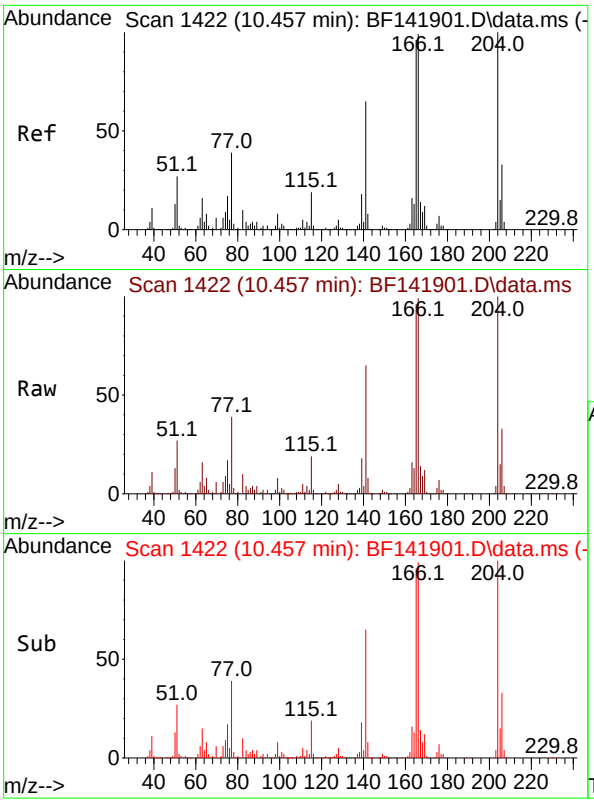


#60
Diethylphthalate
Concen: 38.304 ng
RT: 10.339 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:149 Resp: 1319116

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.0	27.0
150	12.8	10.2	15.4



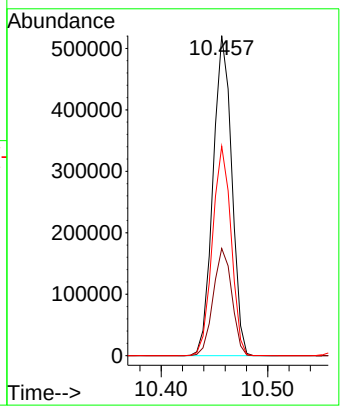


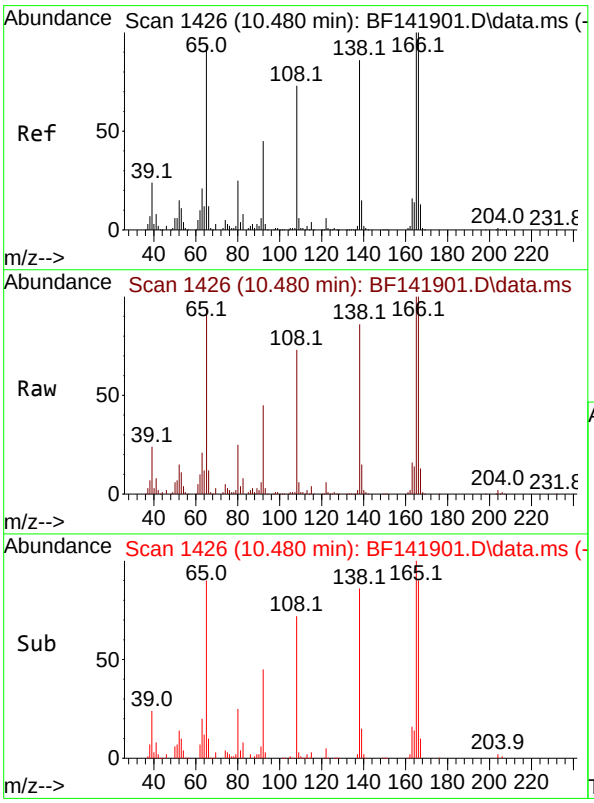
#61
4-Chlorophenyl-phenylether
Concen: 37.950 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 635445

Ion	Ratio	Lower	Upper
204	100		
206	33.5	26.8	40.2
141	65.5	52.4	78.6

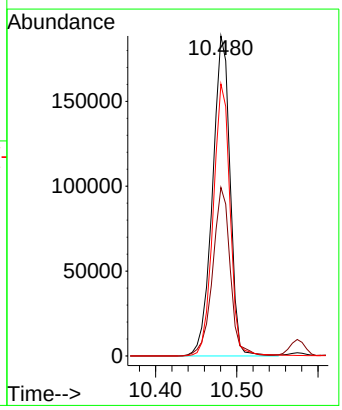


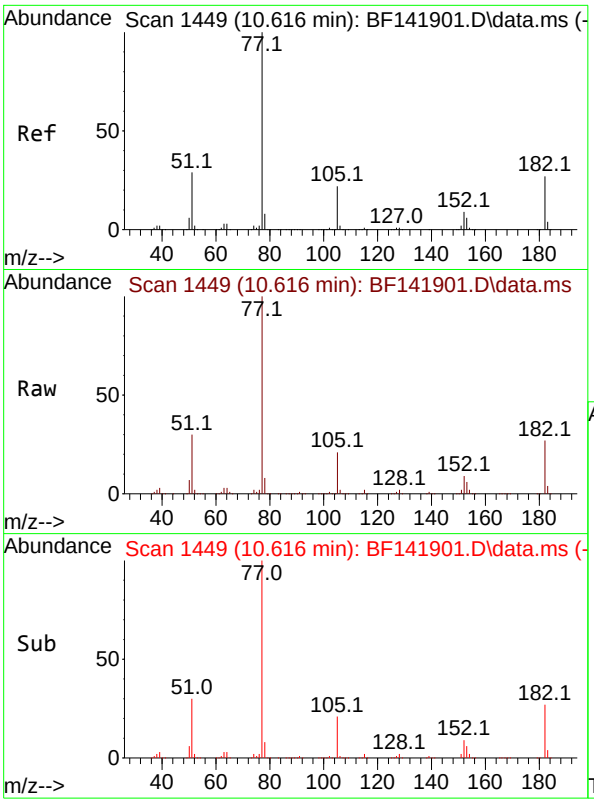


#62
4-Nitroaniline
Concen: 40.097 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:138 Resp: 284615

Ion	Ratio	Lower	Upper
138	100		
92	52.6	32.6	72.6
108	85.0	65.0	105.0



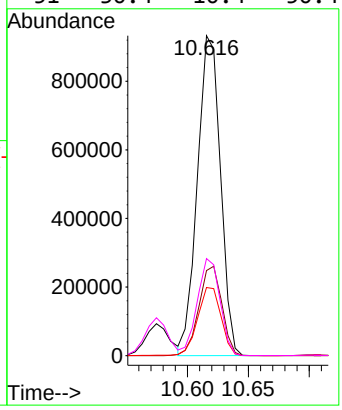


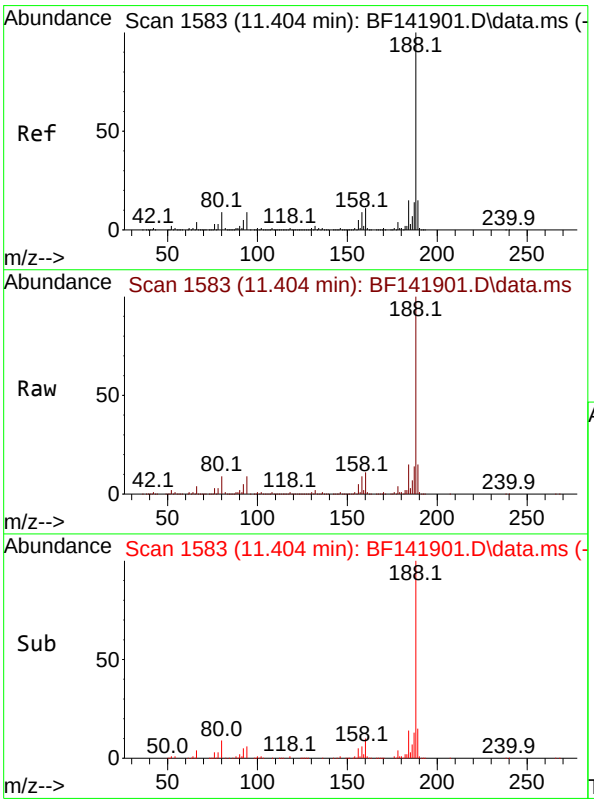
#63
Azobenzene
Concen: 38.432 ng
RT: 10.616 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 1229473

Ion	Ratio	Lower	Upper
77	100		
182	26.6	6.6	46.6
105	21.3	1.3	41.3
51	30.4	10.4	50.4

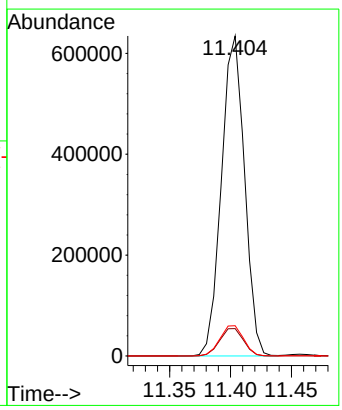


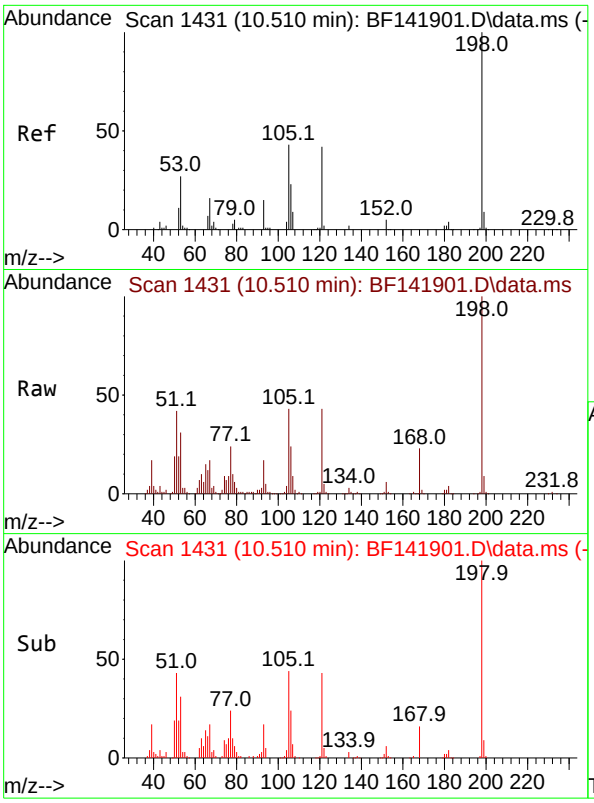


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:188 Resp: 839154

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.8	10.2
80	9.5	7.6	11.4



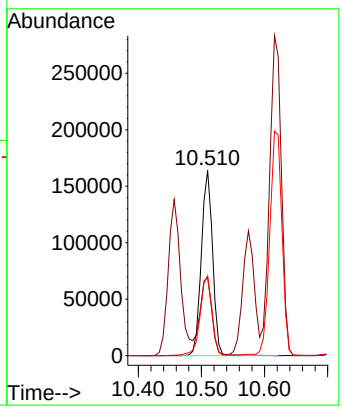


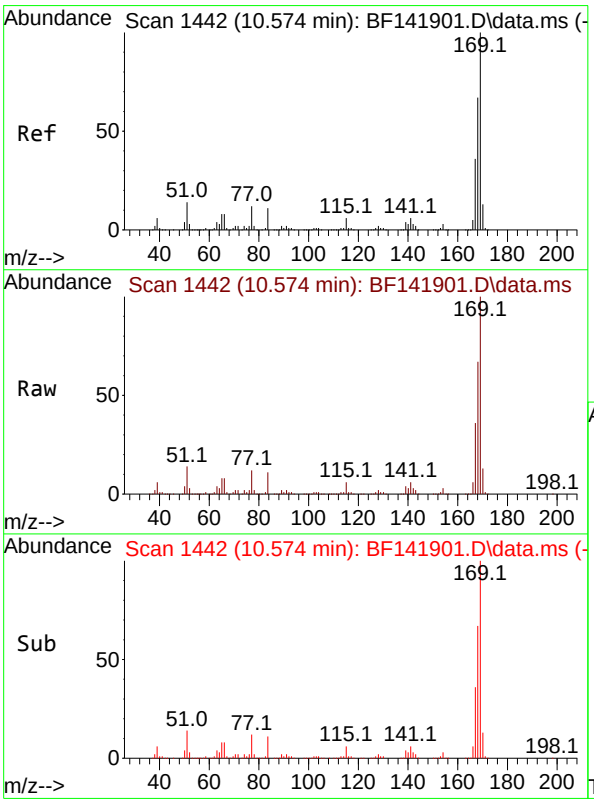
#65
4,6-Dinitro-2-methylphenol
Concen: 40.827 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 203106

Ion	Ratio	Lower	Upper
198	100		
51	42.3	22.3	62.3
105	43.0	23.0	63.0

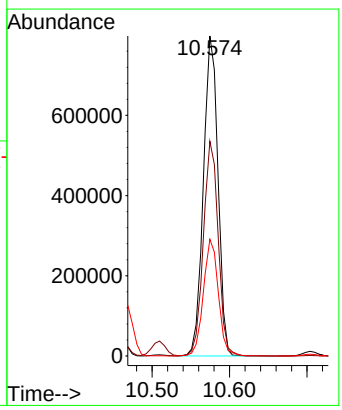


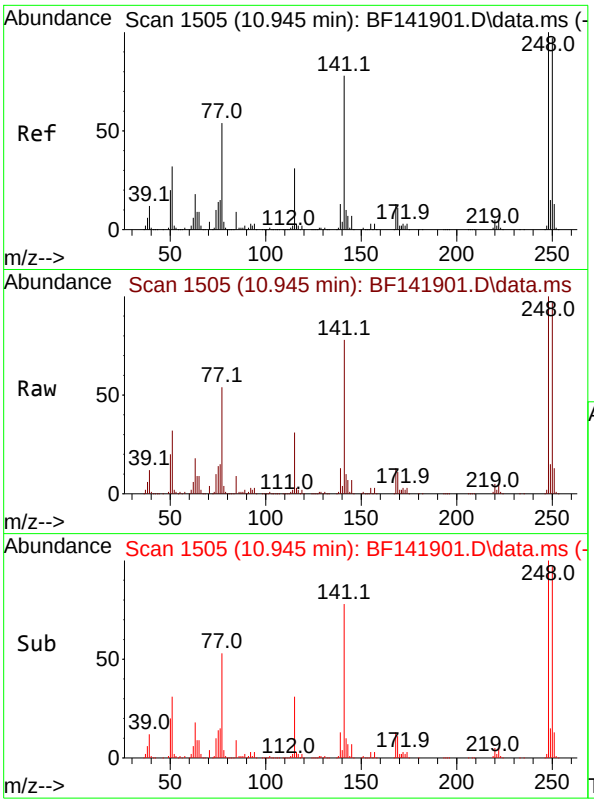


#66
n-Nitrosodiphenylamine
Concen: 38.415 ng
RT: 10.574 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:169 Resp: 1041349

Ion	Ratio	Lower	Upper
169	100		
168	67.1	53.7	80.5
167	36.5	29.2	43.8



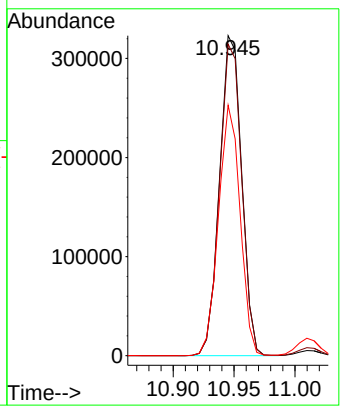


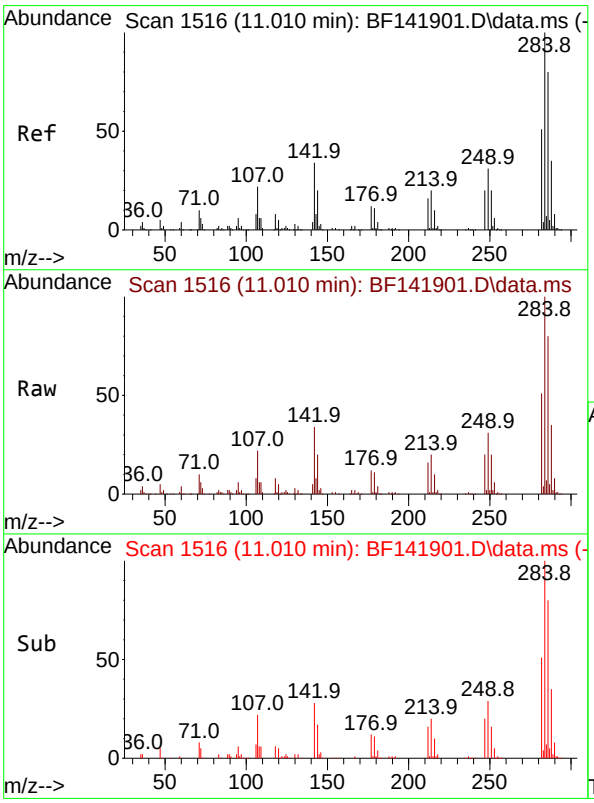
#67
4-Bromophenyl-phenylether
Concen: 39.195 ng
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 409602

Ion	Ratio	Lower	Upper
248	100		
250	97.3	77.8	116.8
141	78.2	62.6	93.8

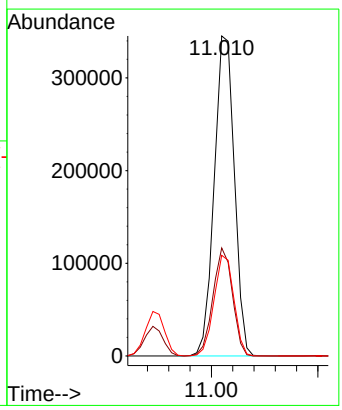


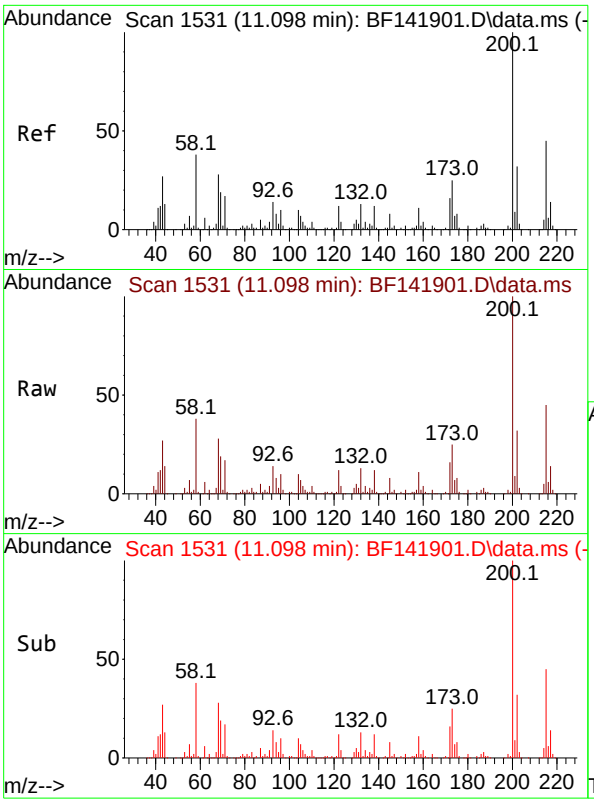


#68
Hexachlorobenzene
Concen: 39.146 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:284 Resp: 452189

Ion	Ratio	Lower	Upper
284	100		
142	33.8	27.0	40.6
249	31.5	25.2	37.8



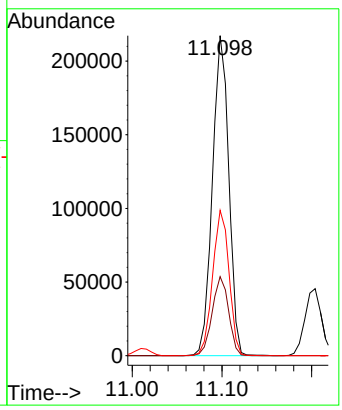


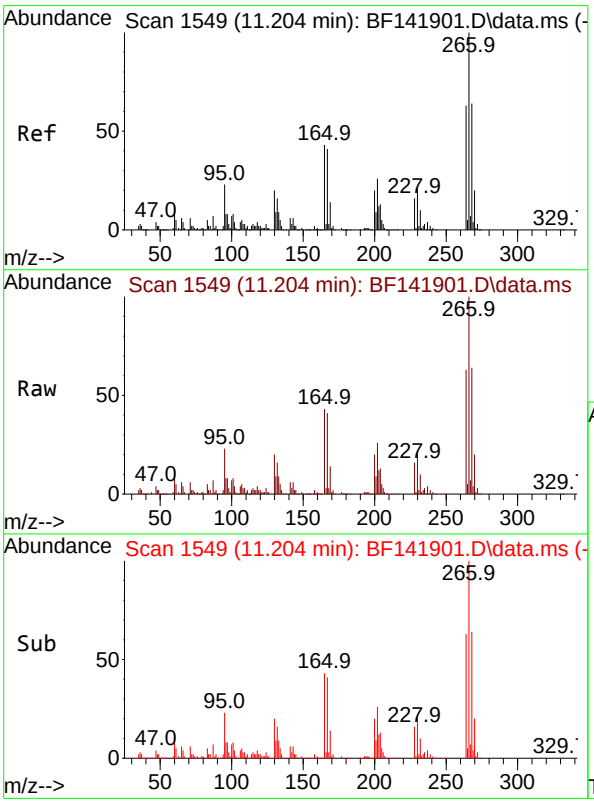
#69
Atrazine
Concen: 41.614 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 275084

Ion	Ratio	Lower	Upper
200	100		
173	24.7	4.7	44.7
215	45.4	25.4	65.4

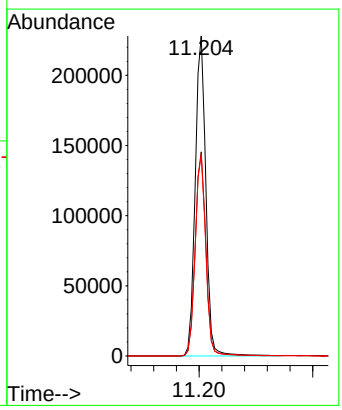


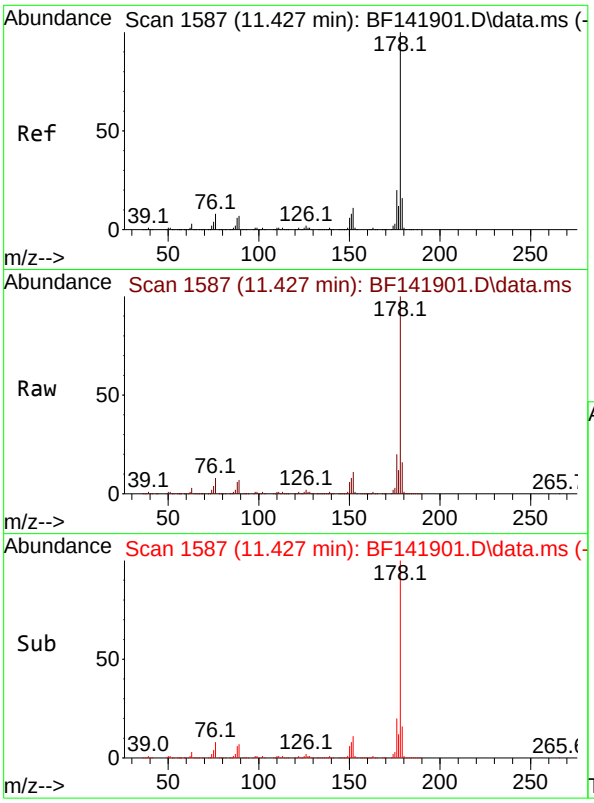


#70
Pentachlorophenol
Concen: 41.818 ng
RT: 11.204 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:266 Resp: 297893

Ion	Ratio	Lower	Upper
266	100		
268	63.8	51.0	76.6
264	62.7	50.2	75.2



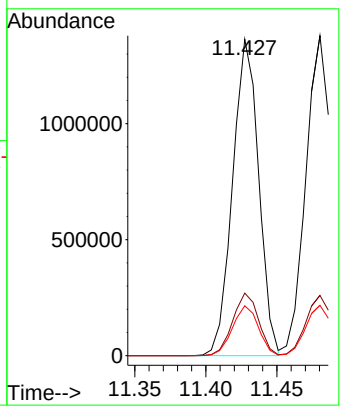


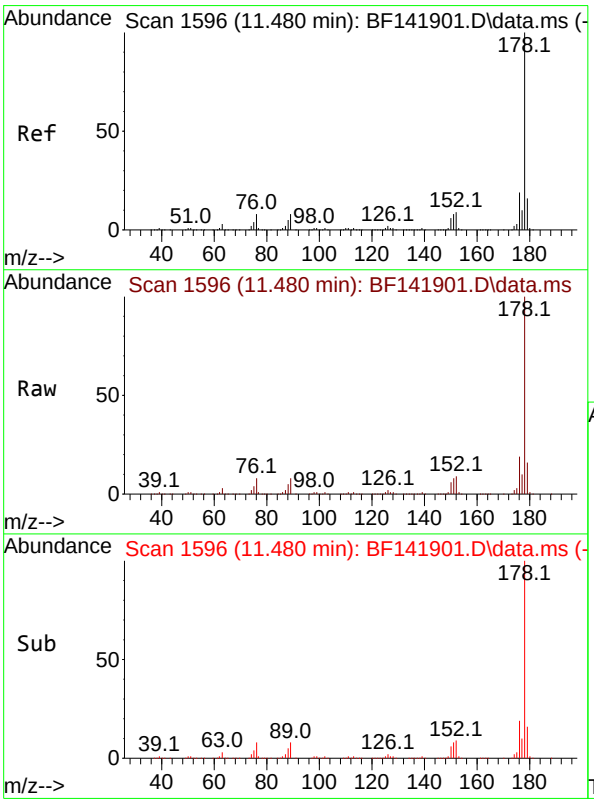
#71
Phenanthrene
Concen: 38.373 ng
RT: 11.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 1741309

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.8	12.6	19.0

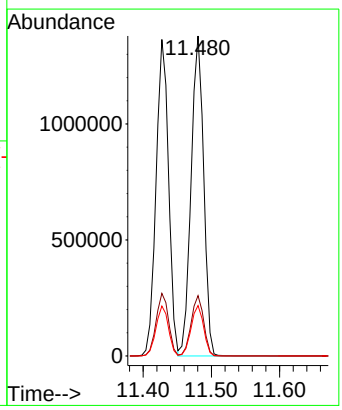


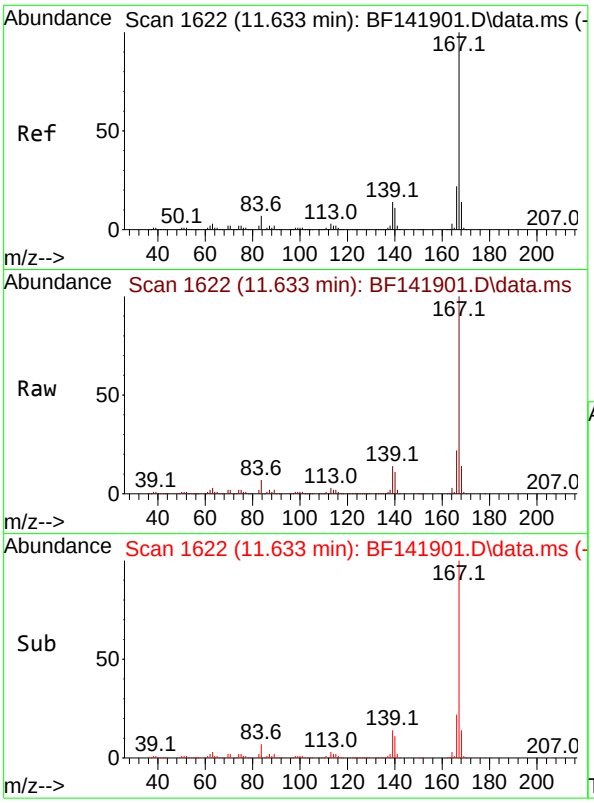


#72
Anthracene
Concen: 38.571 ng
RT: 11.480 min Scan# 1596
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:178 Resp: 1756035

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.8	12.6	19.0



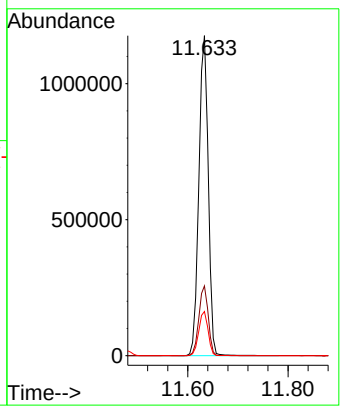


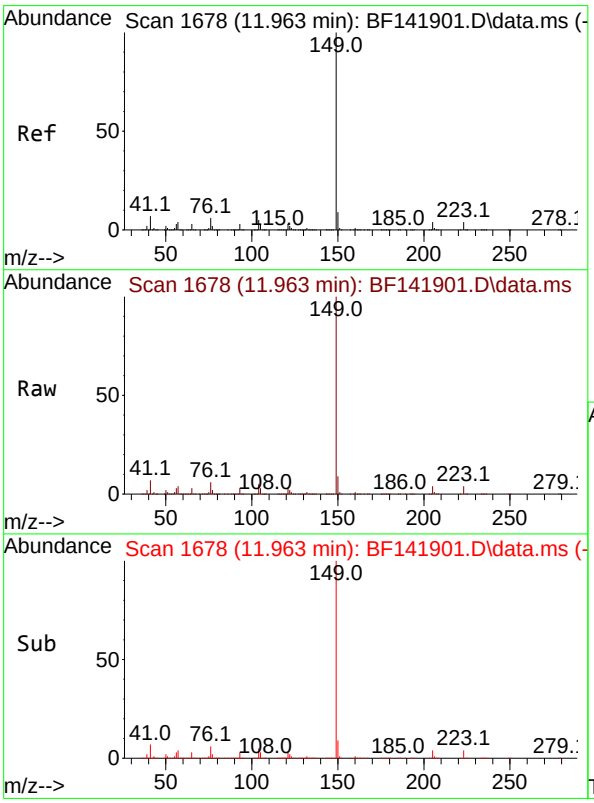
#73
Carbazole
Concen: 38.898 ng
RT: 11.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 1524663

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.4	26.2
139	13.8	11.0	16.6

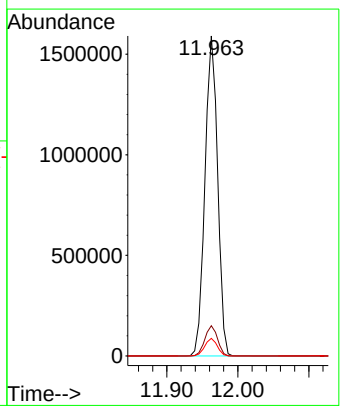


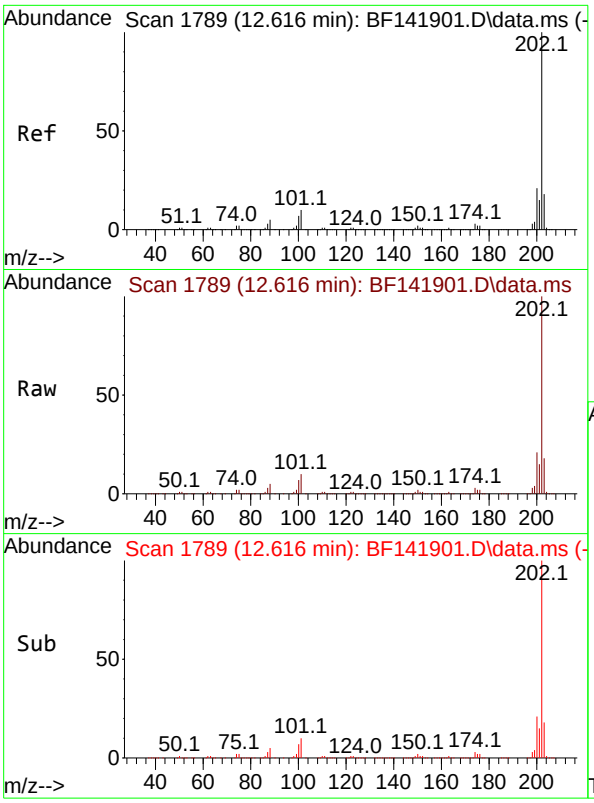


#74
Di-n-butylphthalate
Concen: 38.175 ng
RT: 11.963 min Scan# 1678
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:149 Resp: 1975625

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.6	11.4
104	5.5	4.4	6.6



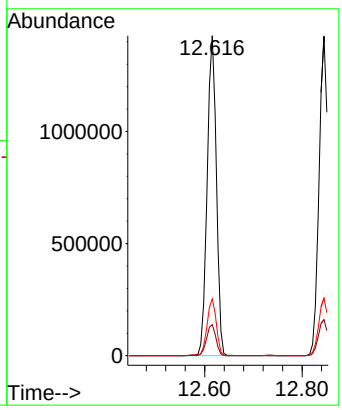


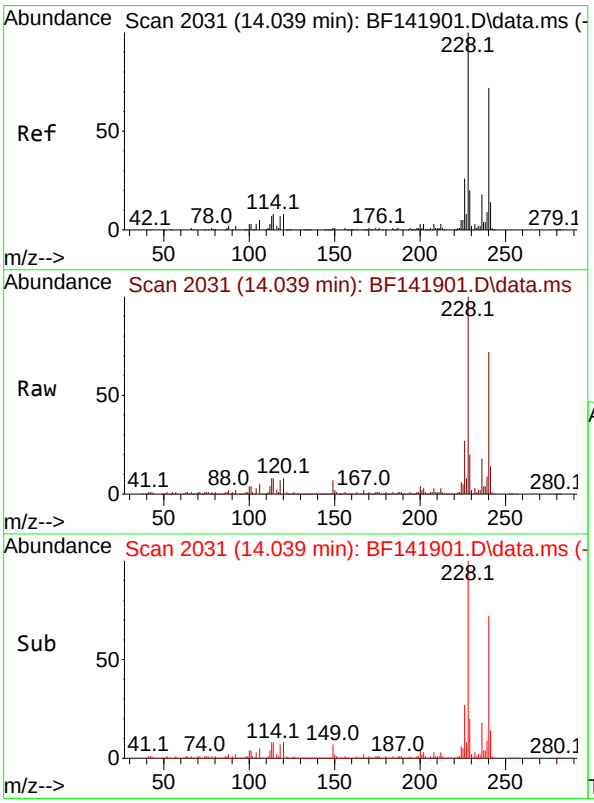
#75
Fluoranthene
Concen: 39.049 ng
RT: 12.616 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 1860202

Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	29.7
203	17.8	0.0	37.8

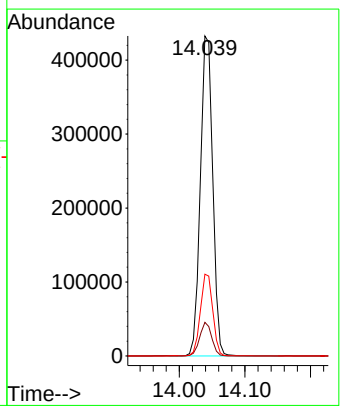


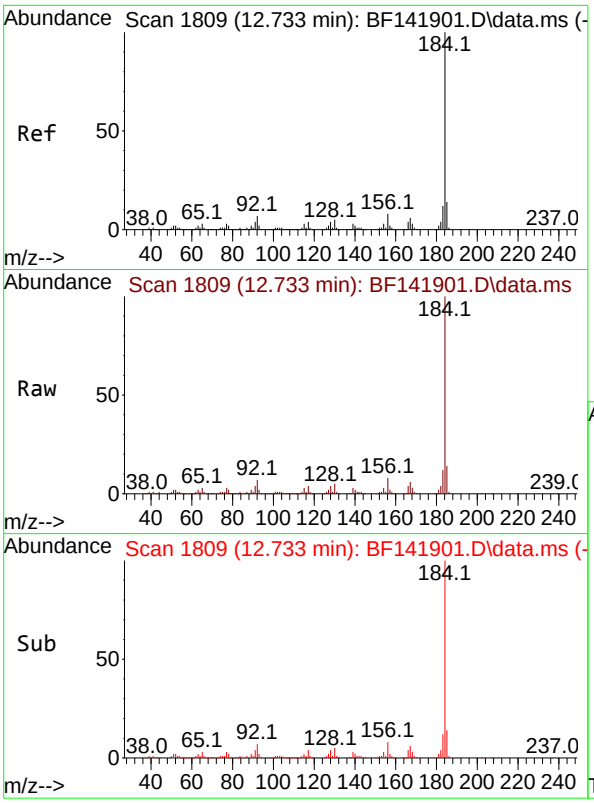


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:240 Resp: 569865

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.4	12.6
236	25.6	20.5	30.7



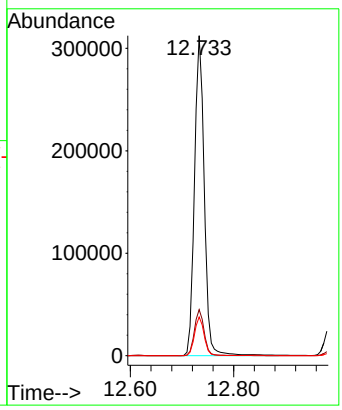


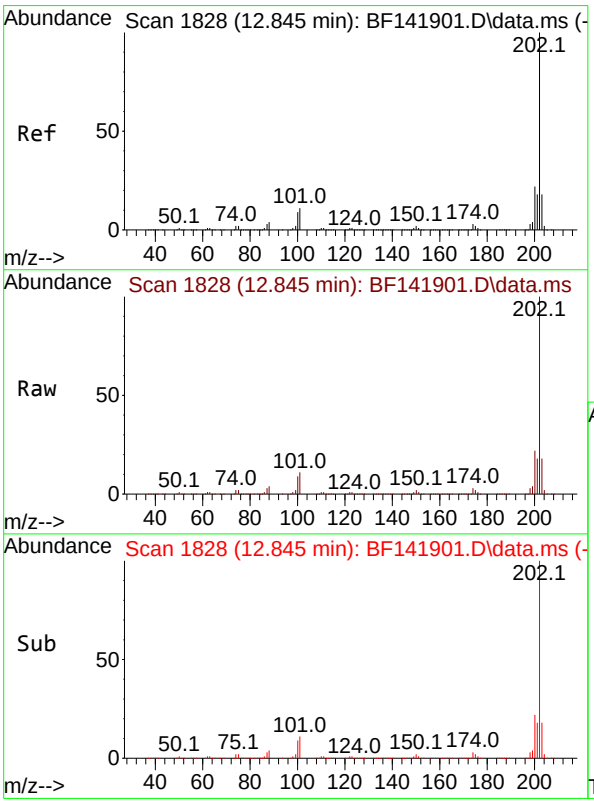
#77
Benzidine
Concen: 50.915 ng
RT: 12.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 410026

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	12.1	9.7	14.5

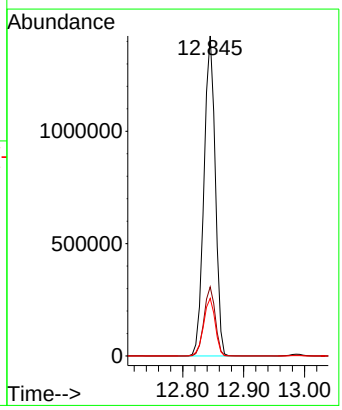


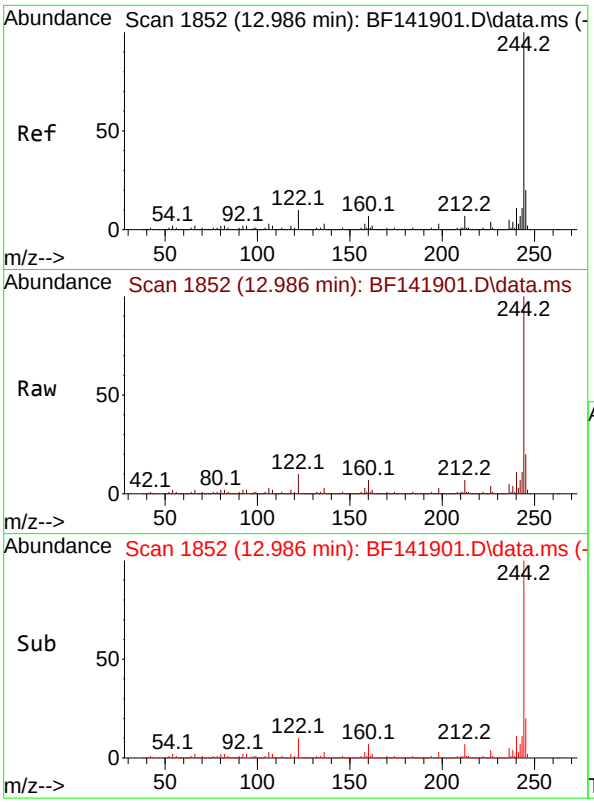


#78
Pyrene
Concen: 37.567 ng
RT: 12.845 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:202 Resp: 1835917

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.3	25.9
203	18.0	14.4	21.6



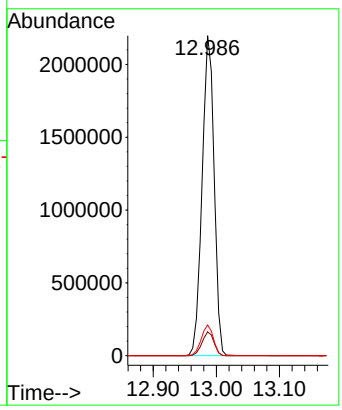


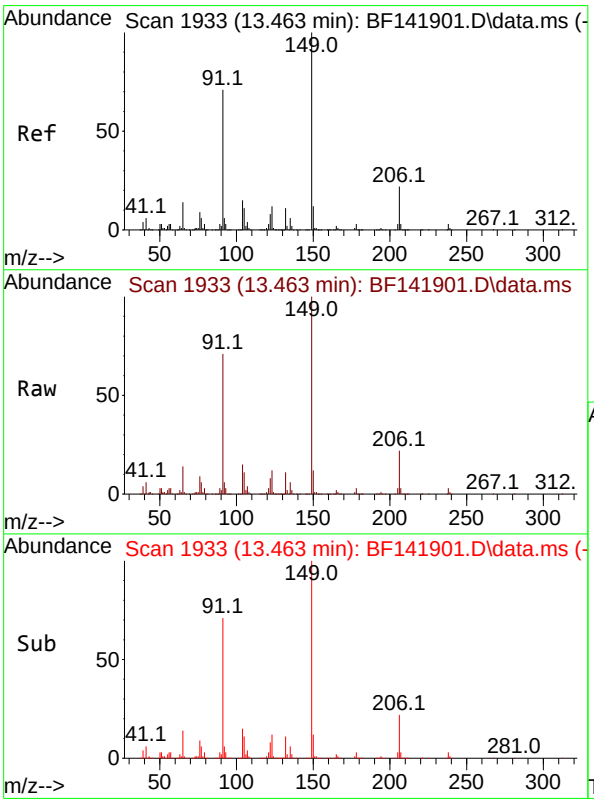
#79
Terphenyl-d14
Concen: 75.440 ng
RT: 12.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 2908357

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	9.6	7.7	11.5

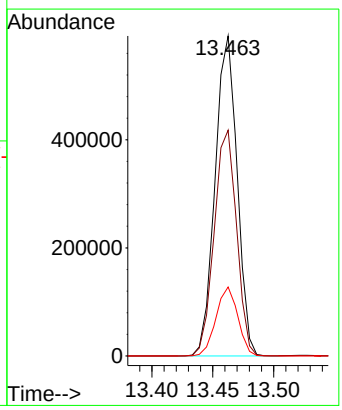


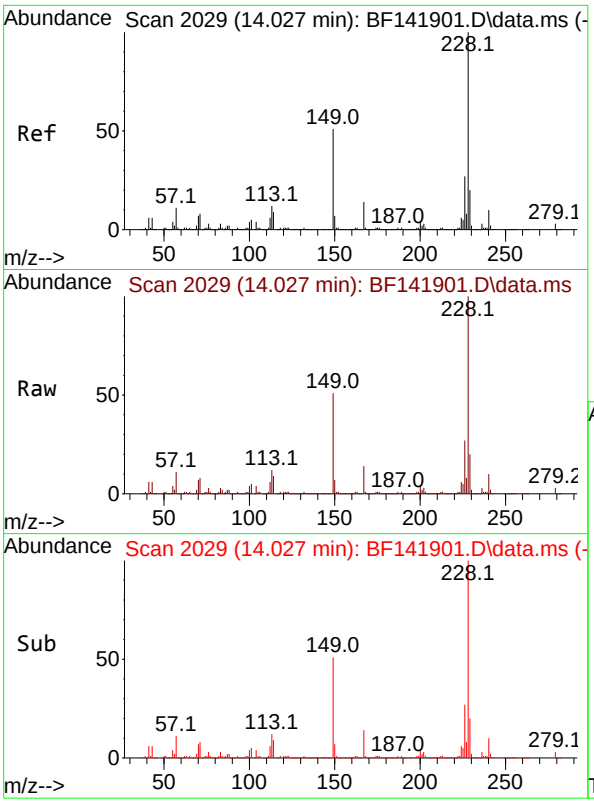


#80
Butylbenzylphthalate
Concen: 38.769 ng
RT: 13.463 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:149 Resp: 746613

Ion	Ratio	Lower	Upper
149	100		
91	70.6	56.5	84.7
206	21.6	17.3	25.9



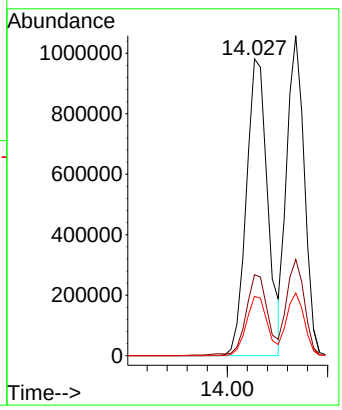


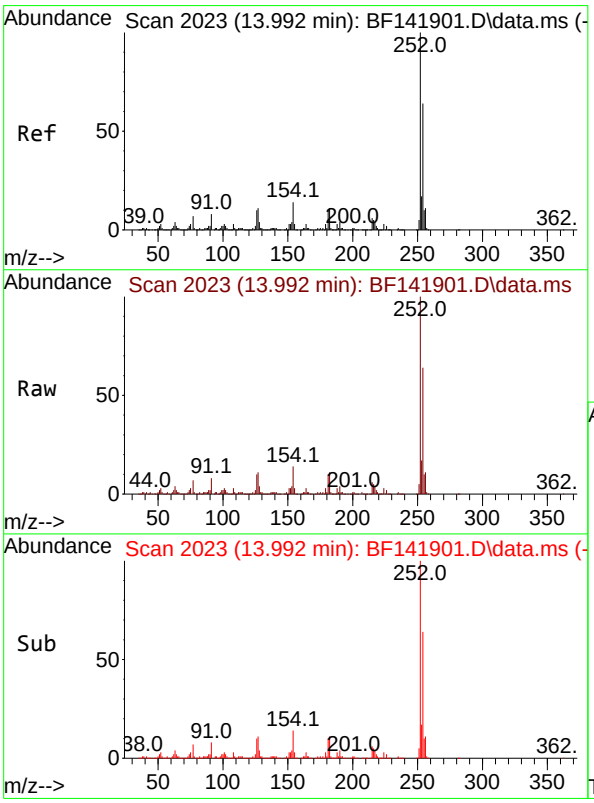
#81
Benzo(a)anthracene
Concen: 38.713 ng
RT: 14.027 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 1451332

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	20.0	16.0	24.0

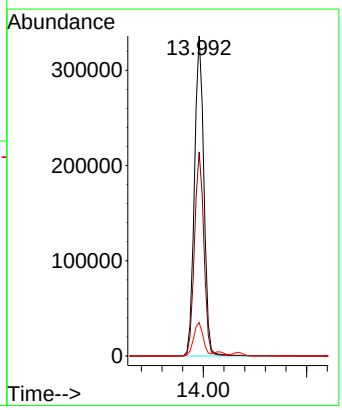


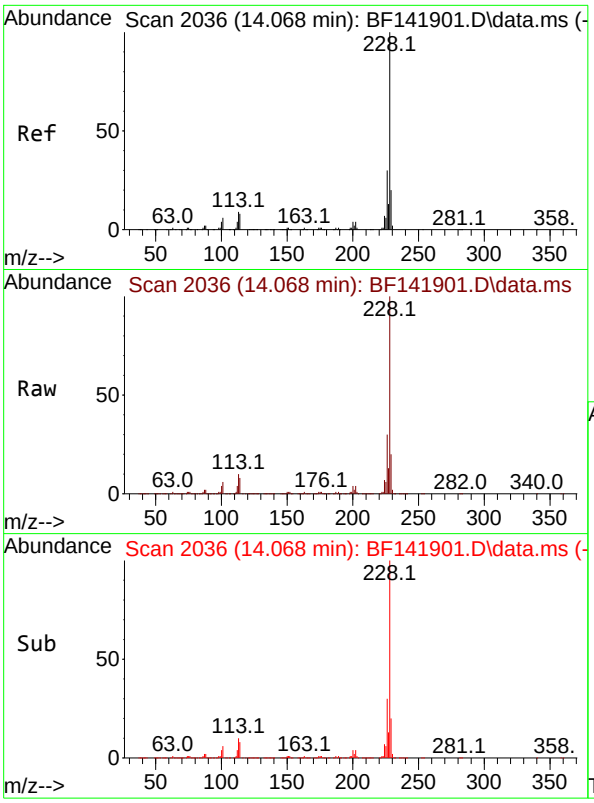


#82
3,3'-Dichlorobenzidine
Concen: 39.114 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:252 Resp: 423835

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.0	76.6
126	10.5	8.4	12.6



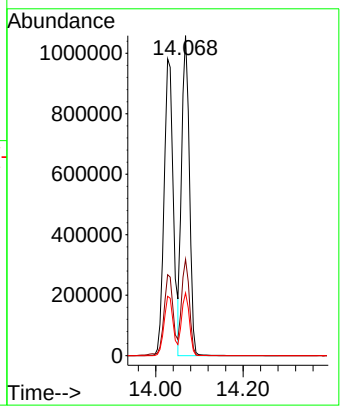


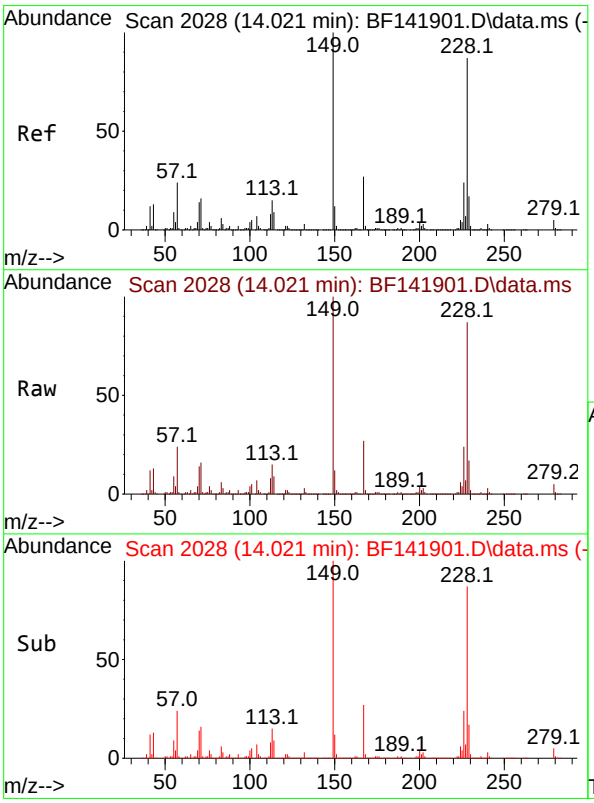
#83
Chrysene
Concen: 38.439 ng
RT: 14.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 1294538

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.6	15.7	23.5

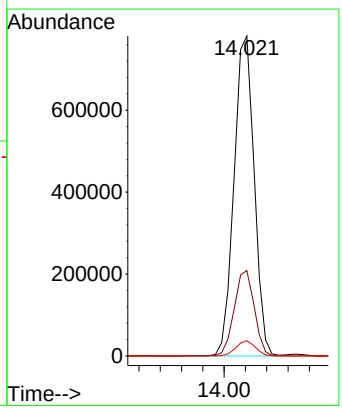


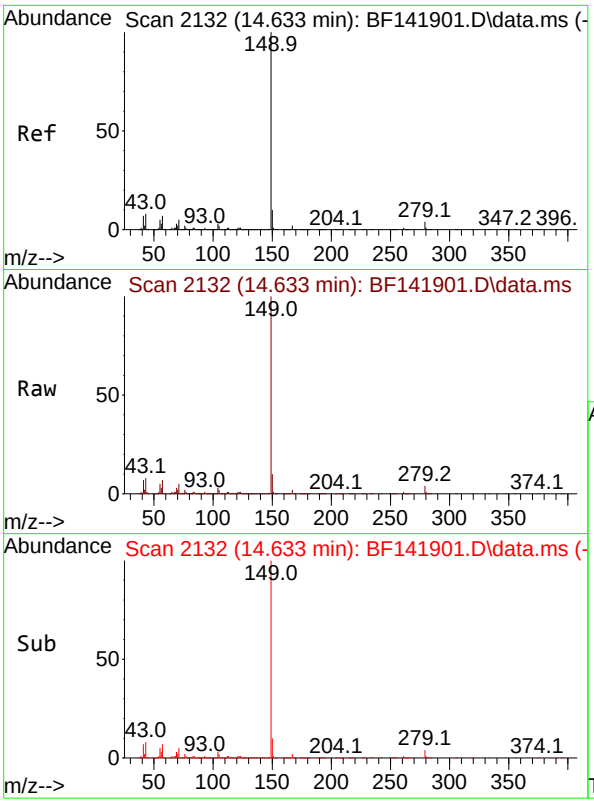


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.985 ng
RT: 14.021 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:149 Resp: 1029987

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.4	32.0
279	4.7	3.8	5.6



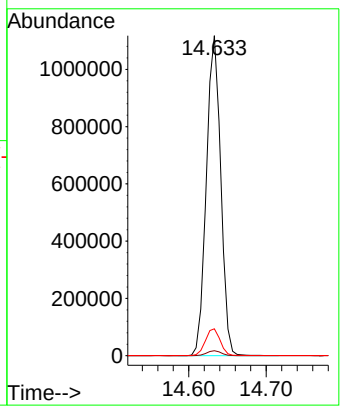


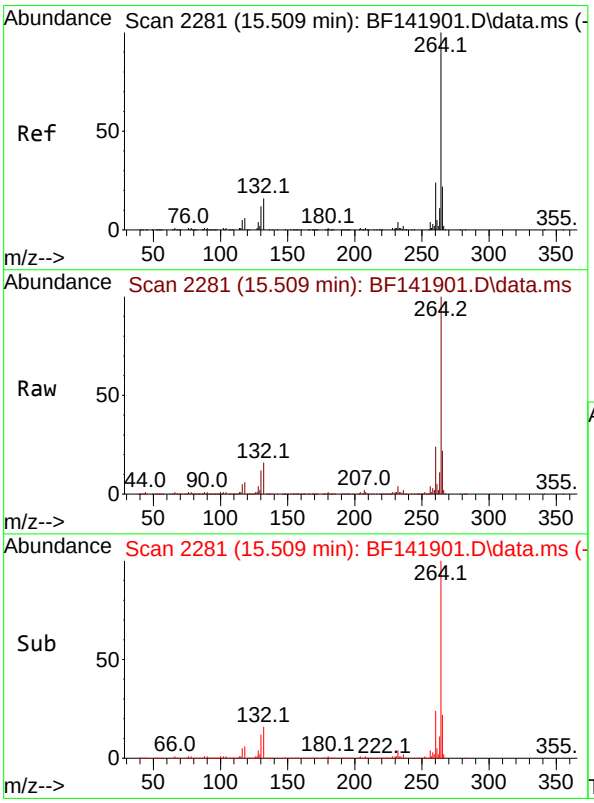
#85
Di-n-octyl phthalate
Concen: 39.193 ng
RT: 14.633 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 1441248

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.6	6.9	10.3

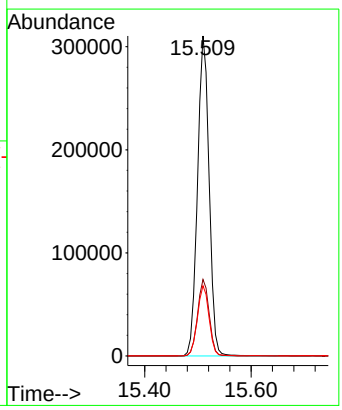


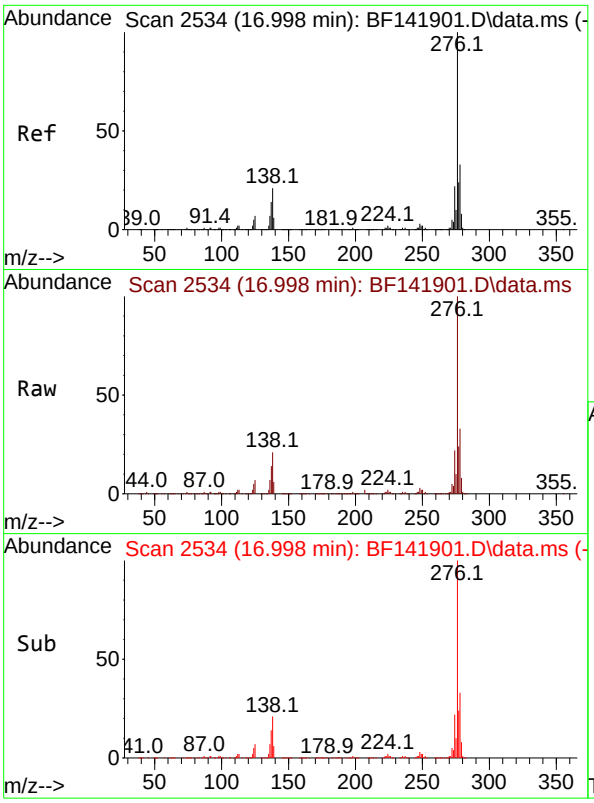


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:264 Resp: 469286

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	21.9	17.5	26.3



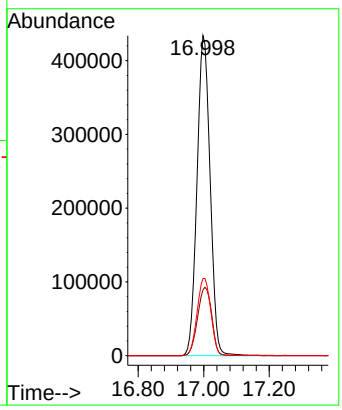


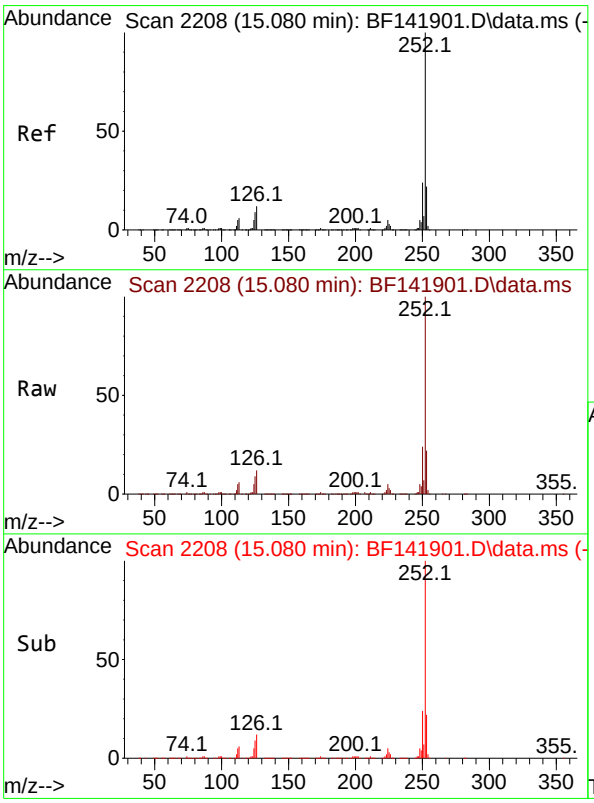
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.681 ng
RT: 16.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 1207616

Ion	Ratio	Lower	Upper
276	100		
138	23.0	18.4	27.6
277	25.4	20.3	30.5

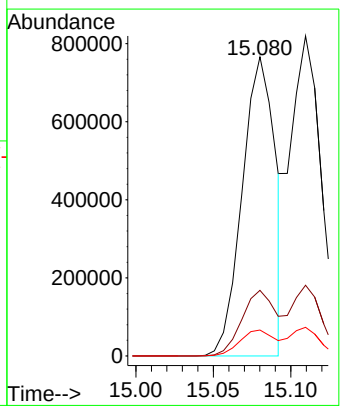


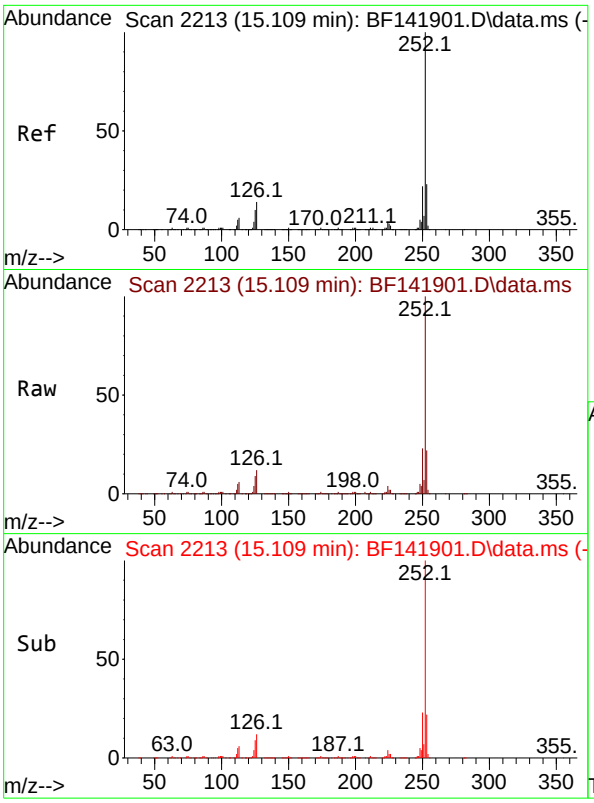


#88
Benzo(b)fluoranthene
Concen: 35.673 ng
RT: 15.080 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:252 Resp: 1135547

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	8.7	7.0	10.4



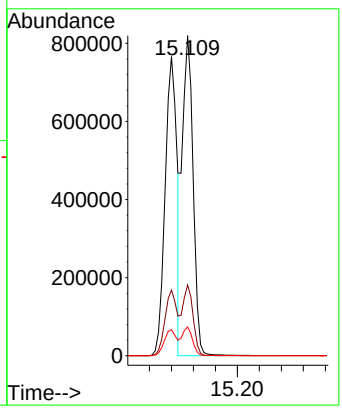


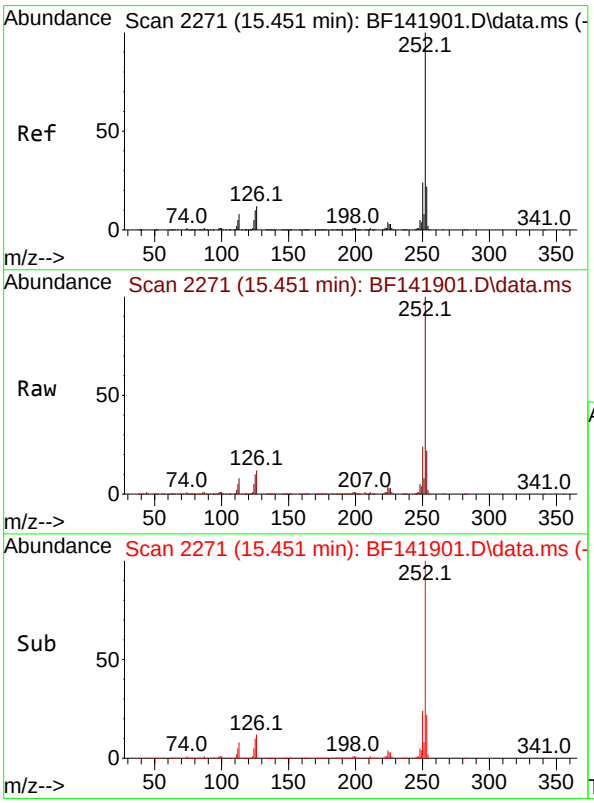
#89
Benzo(k)fluoranthene
Concen: 40.661 ng
RT: 15.109 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 1130615

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.0	7.2	10.8

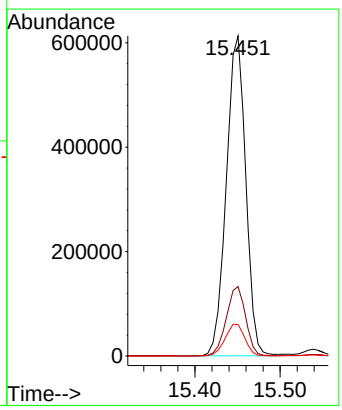


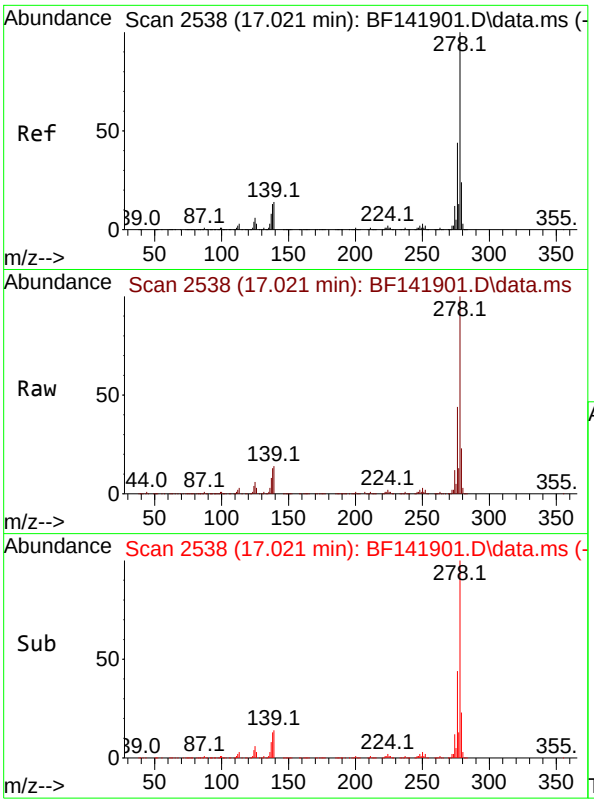


#90
Benzo(a)pyrene
Concen: 38.727 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:252 Resp: 972220

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	9.8	7.8	11.8



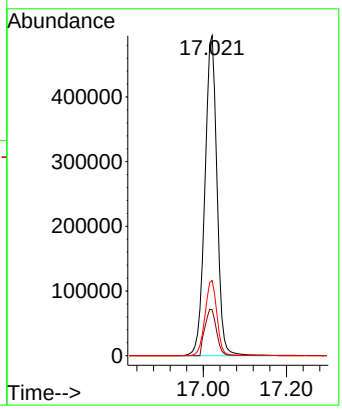


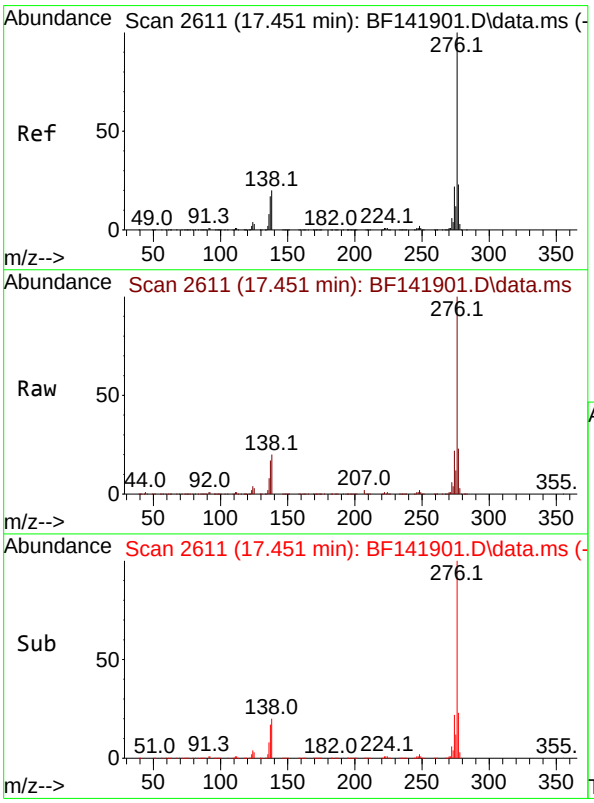
#91
Dibenzo(a,h)anthracene
Concen: 39.933 ng
RT: 17.021 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 1002747

Ion	Ratio	Lower	Upper
278	100		
139	14.3	11.4	17.2
279	23.5	18.8	28.2

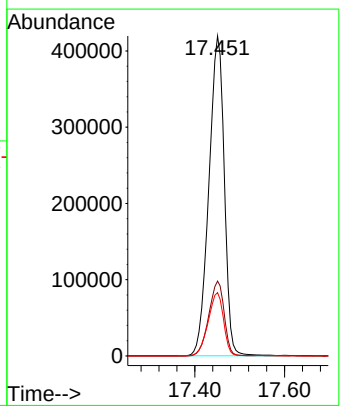




#92
Benzo(g,h,i)perylene
Concen: 40.149 ng
RT: 17.451 min Scan# 2611
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:276 Resp: 999947

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.7	28.1
138	19.8	15.8	23.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141903.D
Acq On : 10 Mar 2025 13:57
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Mar 10 15:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	216861	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	872222	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	497194	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	827202	20.000	ng		0.00
76) Chrysene-d12	14.045	240	468454	20.000	ng		0.00
86) Perylene-d12	15.509	264	407346	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	1490872	114.705	ng		0.00
7) Phenol-d6	6.510	99	1913610	115.601	ng		0.00
23) Nitrobenzene-d5	7.451	82	1899726	122.074	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	791365	125.609	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	3716590	113.827	ng		0.00
79) Terphenyl-d14	12.992	244	3982780	125.675	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.669	88	325927	59.832	ng		99
3) Pyridine	3.440	79	786537	58.753	ng		99
4) n-Nitrosodimethylamine	3.404	42	386646	60.759	ng		100
6) Aniline	6.551	93	933875	57.146	ng		99
8) 2-Chlorophenol	6.669	128	835549	58.000	ng		97
9) Benzaldehyde	6.434	77	465511	50.311	ng		100
10) Phenol	6.528	94	996848	57.074	ng		95
11) bis(2-Chloroethyl)ether	6.622	93	765071	58.464	ng		99
12) 1,3-Dichlorobenzene	6.828	146	911340	58.540	ng		99
13) 1,4-Dichlorobenzene	6.904	146	923545	58.635	ng		99
14) 1,2-Dichlorobenzene	7.057	146	873604	58.898	ng		99
15) Benzyl Alcohol	7.028	79	810347	60.480	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	957808	60.730	ng		99
17) 2-Methylphenol	7.134	107	701676	61.285	ng		99
18) Hexachloroethane	7.398	117	364561	61.734	ng		96
19) n-Nitroso-di-n-propyla...	7.304	70	644501	60.576	ng		99
20) 3+4-Methylphenols	7.292	107	868157	59.116	ng	#	81
22) Acetophenone	7.298	105	1226859	58.635	ng		97
24) Nitrobenzene	7.469	77	939508	60.889	ng		100
25) Isophorone	7.710	82	1695749	61.720	ng		100
26) 2-Nitrophenol	7.781	139	491301	64.978	ng		98
27) 2,4-Dimethylphenol	7.816	122	639505	61.408	ng		99
28) bis(2-Chloroethoxy)met...	7.916	93	1039951	60.422	ng		99
29) 2,4-Dichlorophenol	8.022	162	791904	61.272	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	870403	61.044	ng		99
31) Naphthalene	8.186	128	2545181	56.961	ng		99
32) Benzoic acid	7.951	122	634105	69.664	ng		99
33) 4-Chloroaniline	8.233	127	920015	58.348	ng		99
34) Hexachlorobutadiene	8.304	225	559955	60.397	ng		99
35) Caprolactam	8.628	113	235861	60.015	ng		95
36) 4-Chloro-3-methylphenol	8.716	107	874022	60.807	ng		98
37) 2-Methylnaphthalene	8.875	142	1744374	58.187	ng		99
38) 1-Methylnaphthalene	8.975	142	1692113	58.285	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	903928	59.627	ng		99
41) Hexachlorocyclopentadiene	9.028	237	375919	62.842	ng		100
43) 2,4,6-Trichlorophenol	9.151	196	597686	60.479	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141903.D
Acq On : 10 Mar 2025 13:57
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Mar 10 15:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	618930	61.642	ng		99
46) 1,1'-Biphenyl	9.345	154	2134829	56.634	ng		99
47) 2-Chloronaphthalene	9.369	162	1625973	57.879	ng		100
48) 2-Nitroaniline	9.463	65	495229	61.368	ng		99
49) Acenaphthylene	9.786	152	2379216	57.125	ng		99
50) Dimethylphthalate	9.651	163	2006480	58.083	ng		100
51) 2,6-Dinitrotoluene	9.704	165	441383	61.441	ng		99
52) Acenaphthene	9.957	154	1737049	59.065	ng		99
53) 3-Nitroaniline	9.875	138	449553	60.945	ng		100
54) 2,4-Dinitrophenol	9.975	184	240530	60.329	ng	#	74
55) Dibenzofuran	10.127	168	2380973	56.781	ng		100
56) 4-Nitrophenol	10.027	139	343657	62.021	ng		98
57) 2,4-Dinitrotoluene	10.110	165	571731	60.461	ng		98
58) Fluorene	10.469	166	1840654	56.859	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	546621	60.002	ng		100
60) Diethylphthalate	10.345	149	1995827	57.552	ng		99
61) 4-Chlorophenyl-phenyle...	10.463	204	977819	57.993	ng		97
62) 4-Nitroaniline	10.492	138	426741	59.702	ng		100
63) Azobenzene	10.622	77	1829282	56.784	ng		98
65) 4,6-Dinitro-2-methylph...	10.516	198	330315	67.356	ng		98
66) n-Nitrosodiphenylamine	10.580	169	1583832	59.270	ng		100
67) 4-Bromophenyl-phenylether	10.951	248	608246	59.044	ng		98
68) Hexachlorobenzene	11.016	284	673465	59.144	ng		97
70) Pentachlorophenol	11.204	266	462709	65.893	ng		100
71) Phenanthrene	11.433	178	2560092	57.232	ng		100
72) Anthracene	11.486	178	2570717	57.281	ng		100
73) Carbazole	11.633	167	2213331	57.284	ng		99
74) Di-n-butylphthalate	11.963	149	2916048	57.161	ng		99
75) Fluoranthene	12.616	202	2628993	55.984	ng		99
77) Benzidine	12.733	184	386007	58.309	ng		99
78) Pyrene	12.845	202	2562337	63.781	ng		99
80) Butylbenzylphthalate	13.463	149	1008043	63.676	ng		100
81) Benzo(a)anthracene	14.033	228	1850347	60.040	ng		100
82) 3,3'-Dichlorobenzidine	13.992	252	553078	62.091	ng		100
83) Chrysene	14.068	228	1705257	61.596	ng		99
84) Bis(2-ethylhexyl)phtha...	14.021	149	1337474	61.582	ng		99
85) Di-n-octyl phthalate	14.633	149	1953184	64.613	ng		99
87) Indeno(1,2,3-cd)pyrene	17.009	276	1799372	68.115	ng		100
88) Benzo(b)fluoranthene	15.080	252	1698744	61.481	ng		99
89) Benzo(k)fluoranthene	15.115	252	1478389	61.253	ng		100
90) Benzo(a)pyrene	15.451	252	1323726	60.747	ng		99
91) Dibenzo(a,h)anthracene	17.027	278	1459934	66.981	ng		99
92) Benzo(g,h,i)perylene	17.462	276	1425582	65.942	ng		99

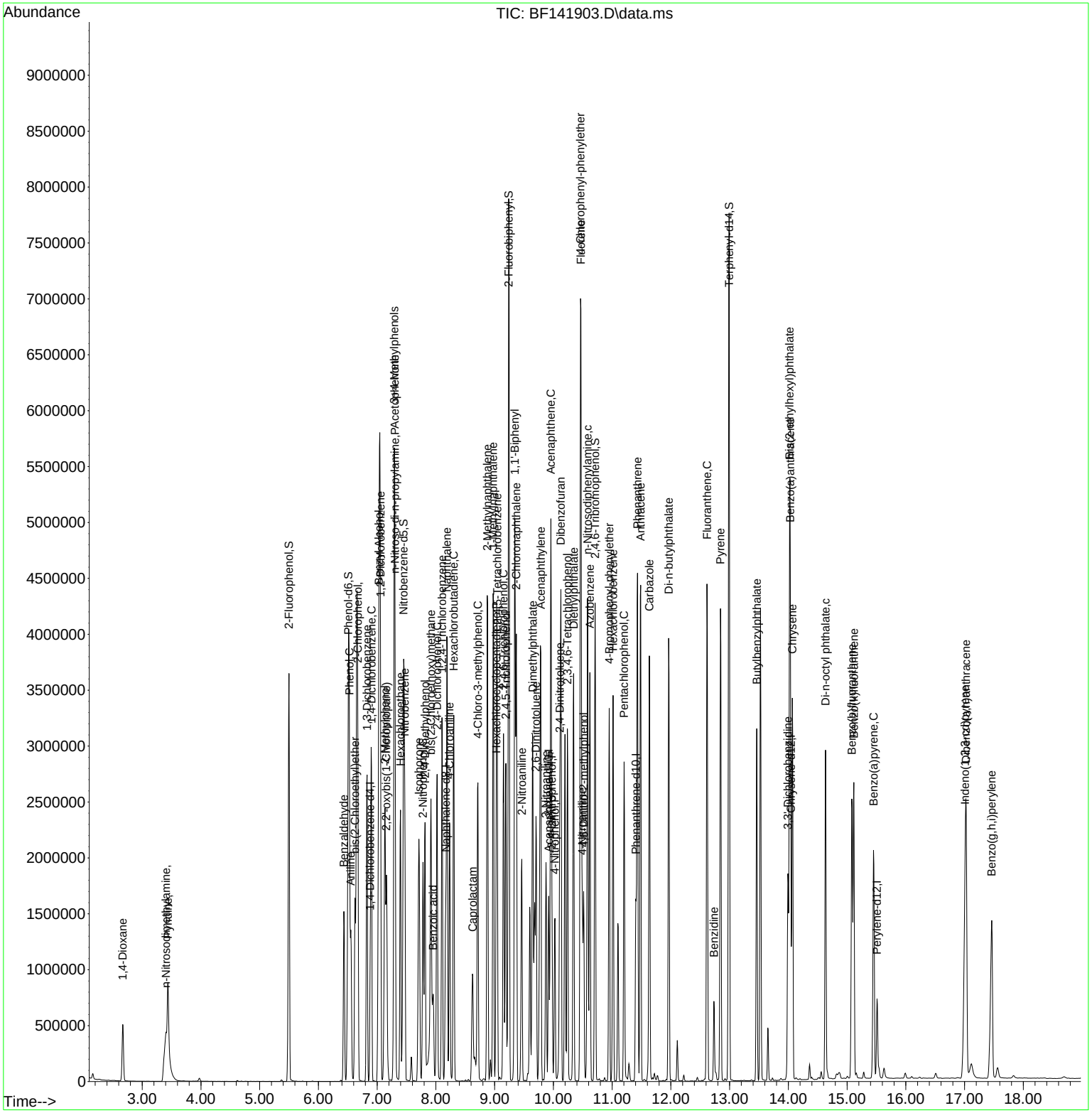
(#) = qualifier out of range (m) = manual integration (+) = signals summed

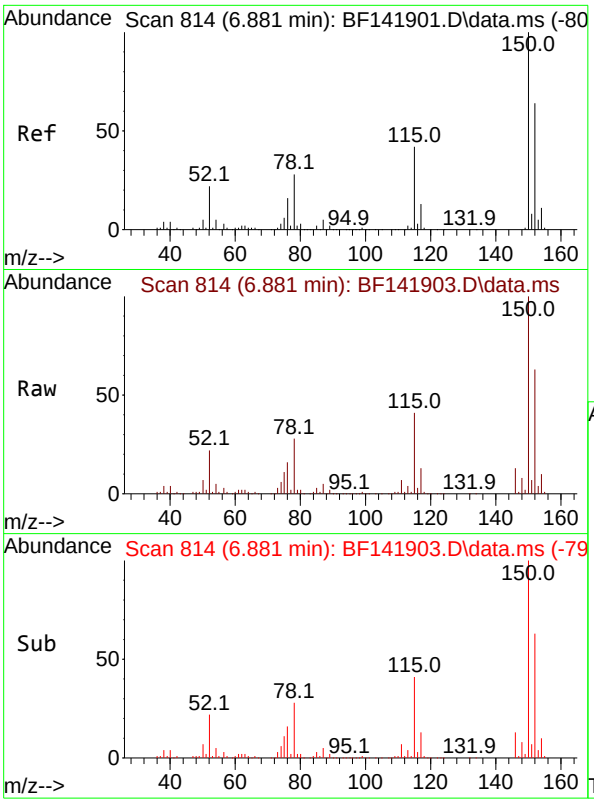
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141903.D
Acq On : 10 Mar 2025 13:57
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Mar 10 15:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



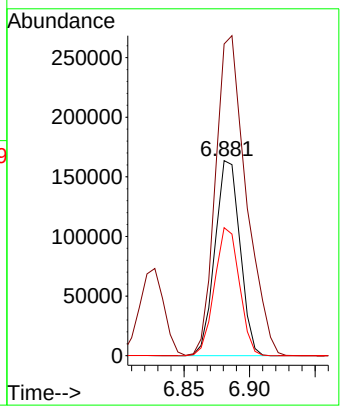


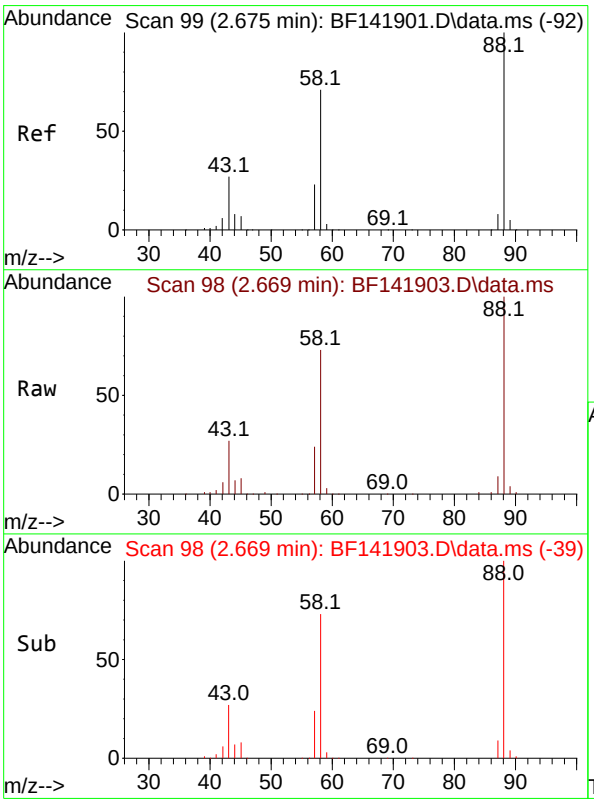
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 216861

Ion	Ratio	Lower	Upper
152	100		
150	159.8	127.4	191.2
115	65.7	51.9	77.9

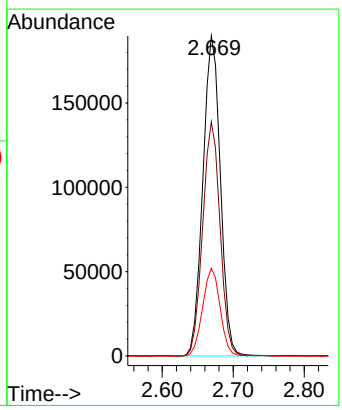


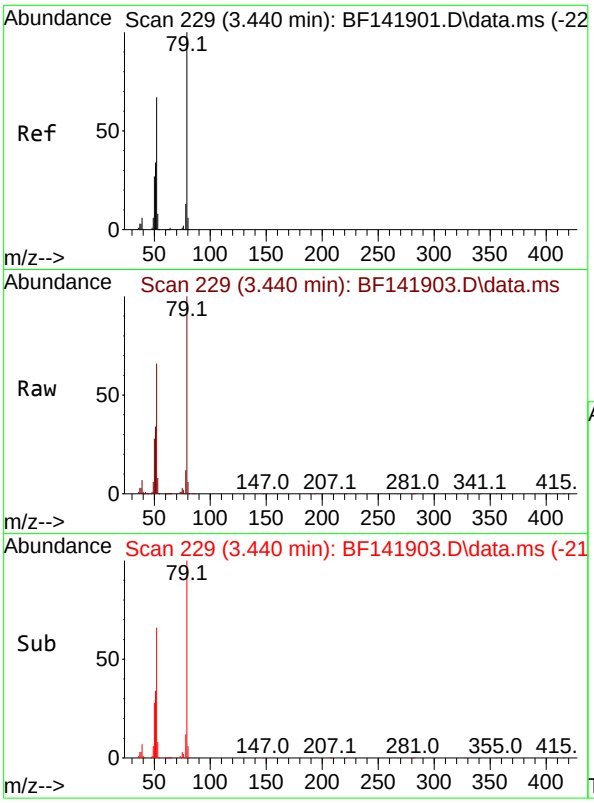


#2
1,4-Dioxane
Concen: 59.832 ng
RT: 2.669 min Scan# 98
Delta R.T. -0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 88 Resp: 325927

Ion	Ratio	Lower	Upper
88	100		
58	72.5	57.4	86.2
43	27.4	21.5	32.3



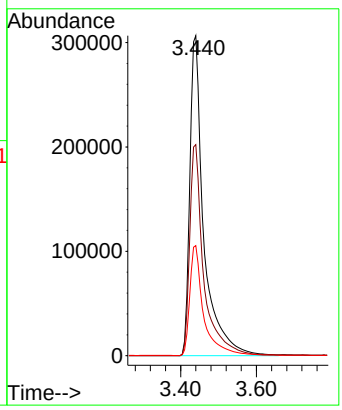


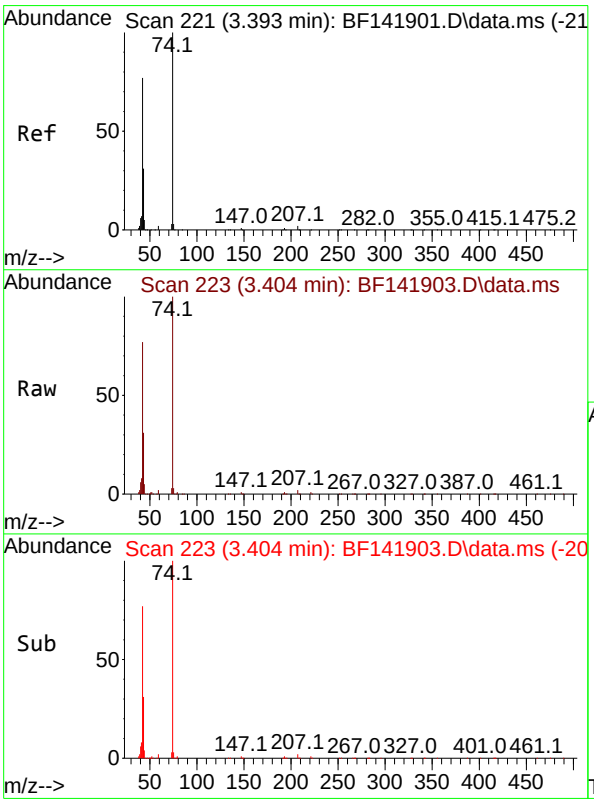
#3
Pyridine
Concen: 58.753 ng
RT: 3.440 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 786537

Ion	Ratio	Lower	Upper
79	100		
52	65.9	53.3	79.9
51	34.4	27.6	41.4

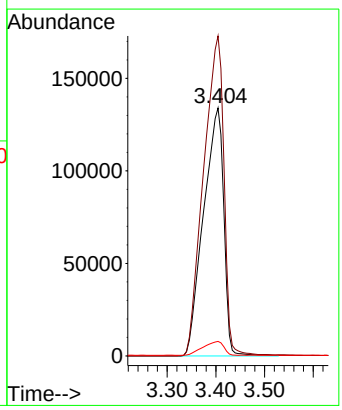


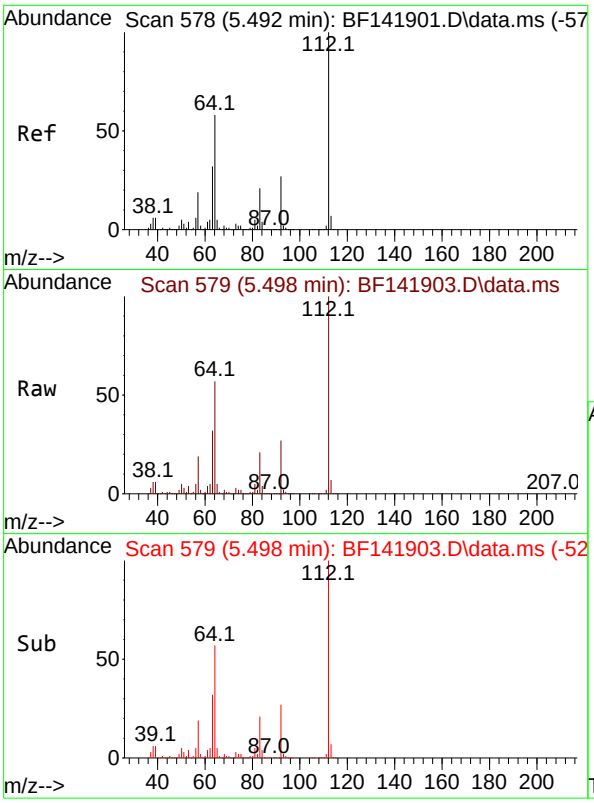


#4
n-Nitrosodimethylamine
Concen: 60.759 ng
RT: 3.404 min Scan# 223
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 42 Resp: 386646

Ion	Ratio	Lower	Upper
42	100		
74	129.0	103.4	155.0
44	5.8	5.0	7.4



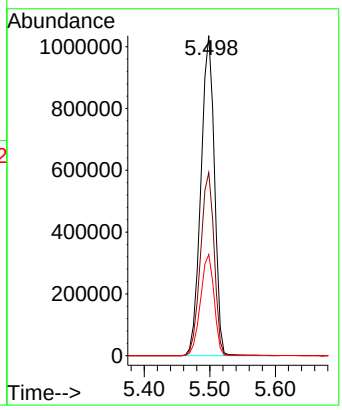


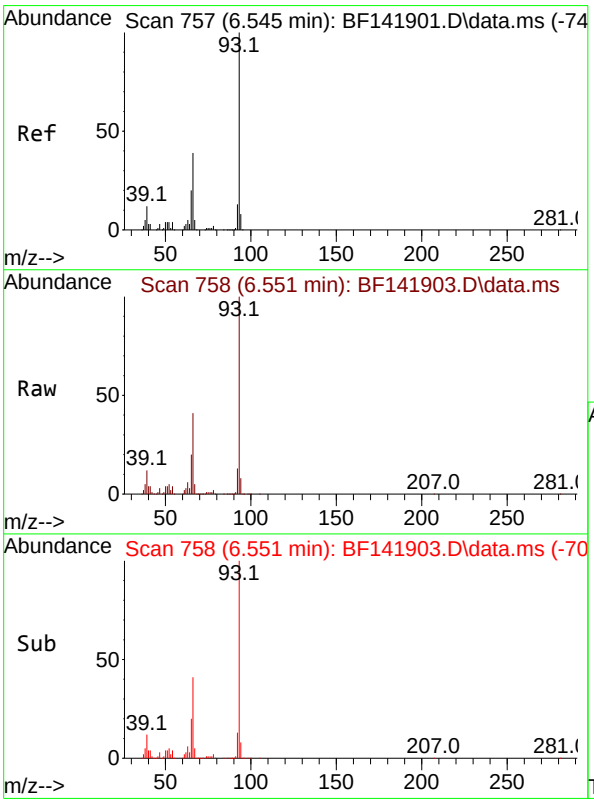
#5
2-Fluorophenol
Concen: 114.705 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 1490872

Ion	Ratio	Lower	Upper
112	100		
64	57.2	46.5	69.7
63	31.6	25.4	38.2

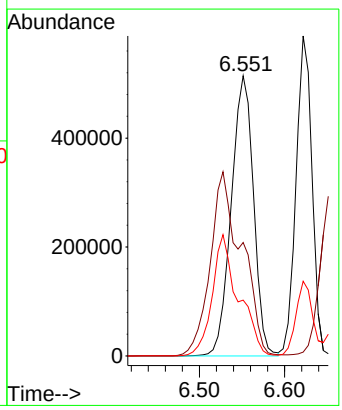


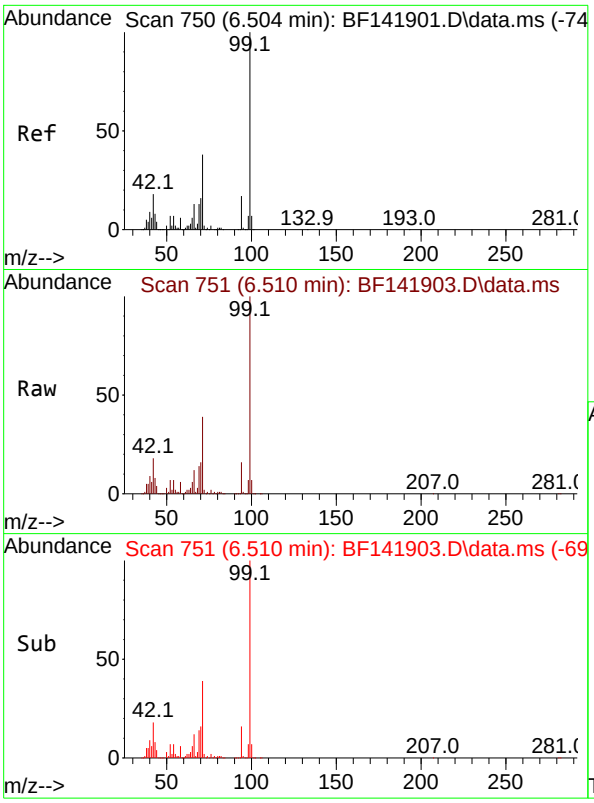


#6
Aniline
Concen: 57.146 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 93 Resp: 933875

Ion	Ratio	Lower	Upper
93	100		
66	40.5	31.9	47.9
65	19.9	15.8	23.6



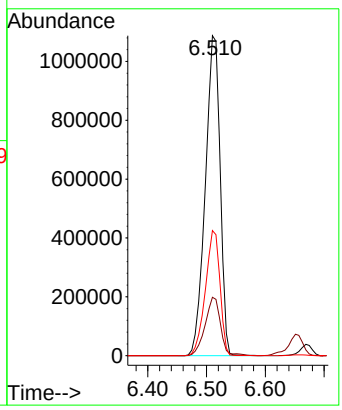


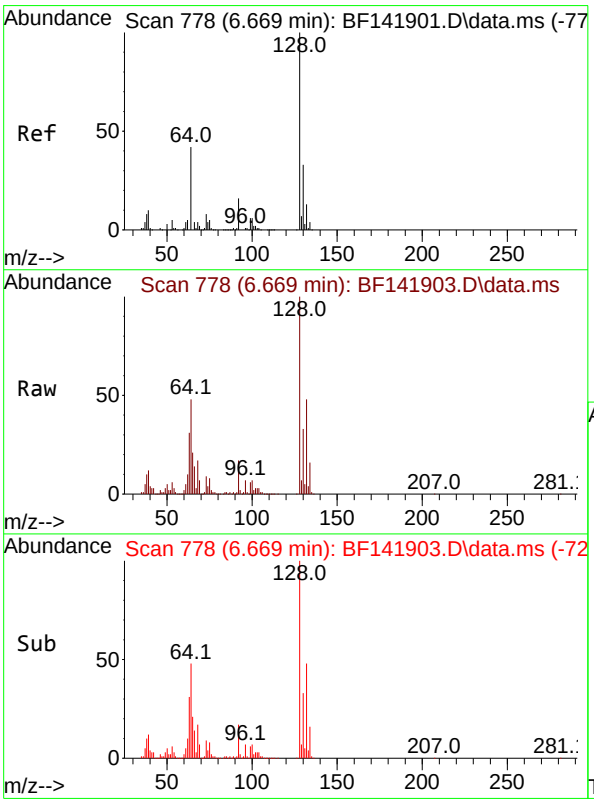
#7
Phenol-d6
Concen: 115.601 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 1913610

Ion	Ratio	Lower	Upper
99	100		
42	18.2	14.6	21.8
71	39.1	30.8	46.2

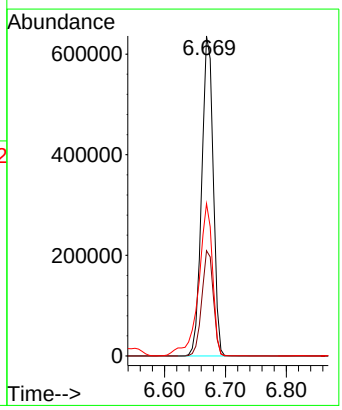


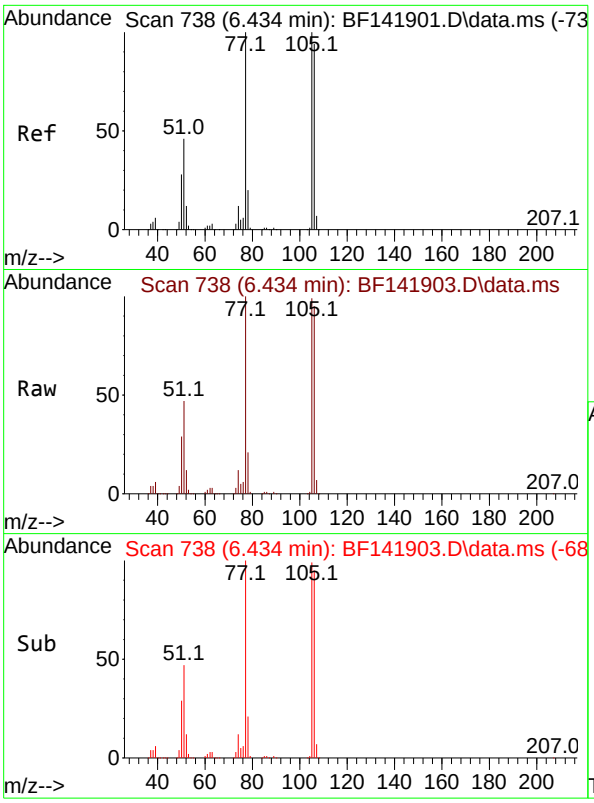


#8
2-Chlorophenol
Concen: 58.000 ng
RT: 6.669 min Scan# 778
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:128 Resp: 835549

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.8	52.8
64	47.6	24.4	64.4



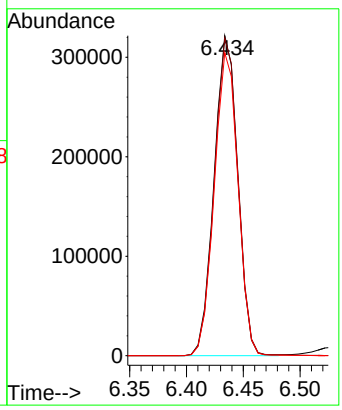


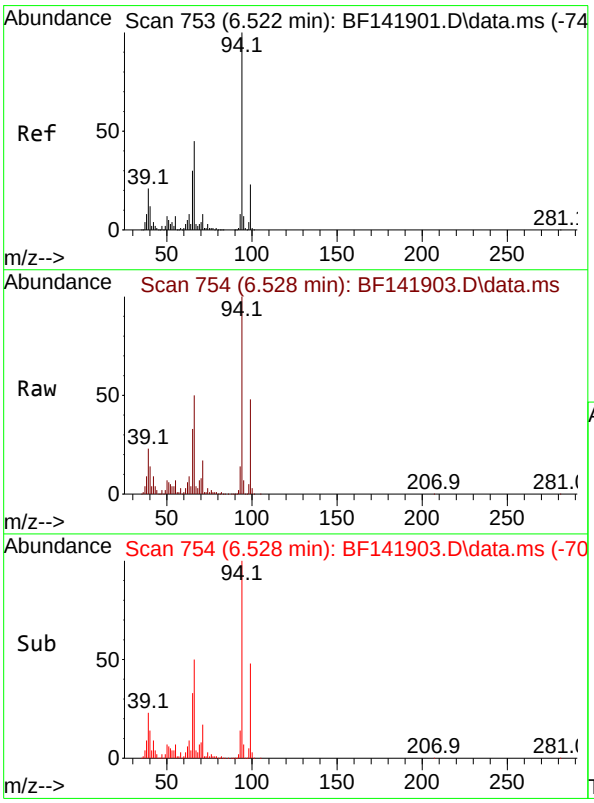
#9
Benzaldehyde
Concen: 50.311 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 465511

Ion	Ratio	Lower	Upper
77	100		
105	99.3	80.0	120.0
106	94.7	74.5	114.5

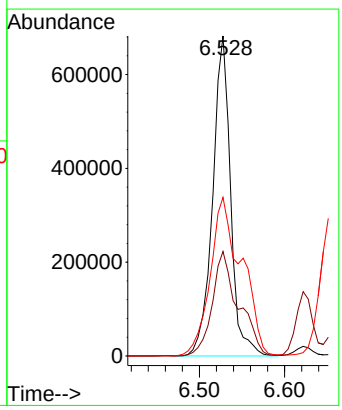


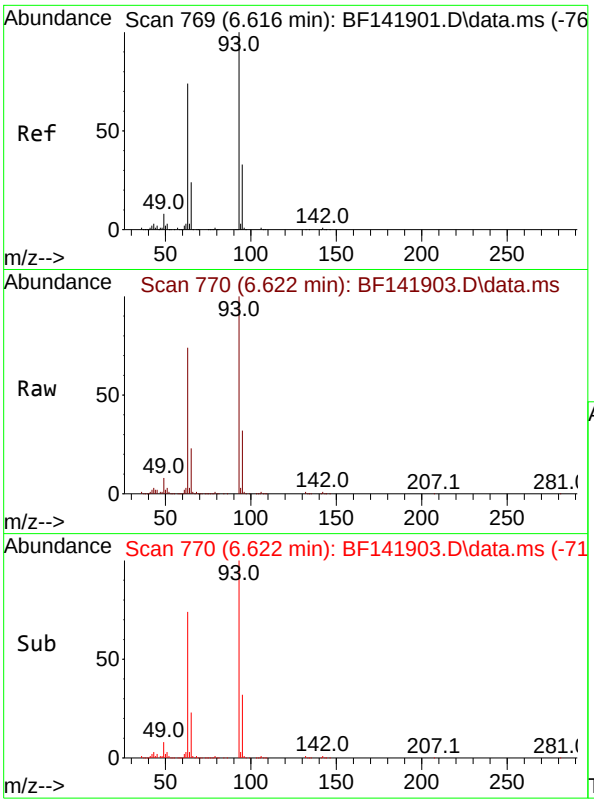


#10
Phenol
Concen: 57.074 ng
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 94 Resp: 996848

Ion	Ratio	Lower	Upper
94	100		
65	32.6	10.5	50.5
66	49.5	25.8	65.8



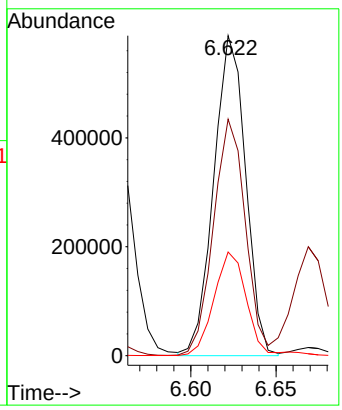


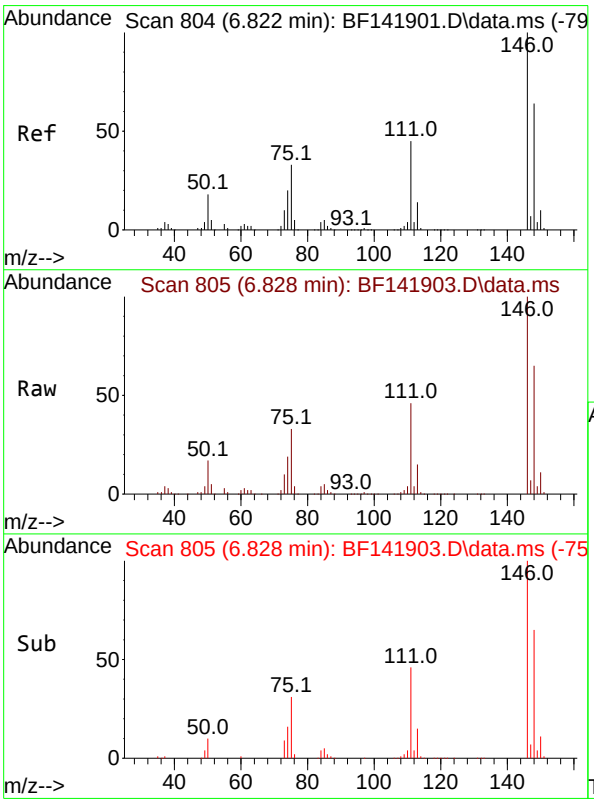
#11
bis(2-Chloroethyl)ether
Concen: 58.464 ng
RT: 6.622 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 765071

Ion	Ratio	Lower	Upper
93	100		
63	73.9	53.0	93.0
95	32.4	12.9	52.9

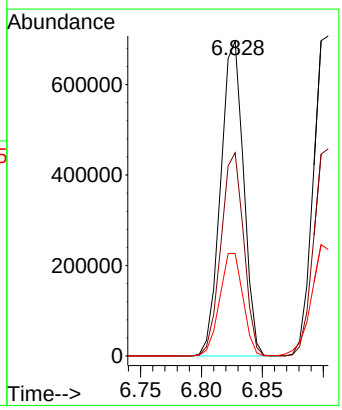


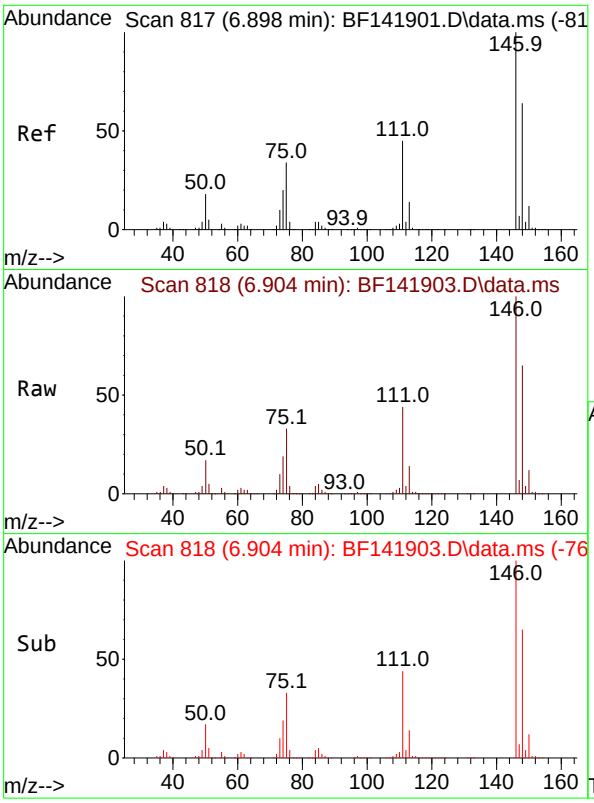


#12
1,3-Dichlorobenzene
Concen: 58.540 ng
RT: 6.828 min Scan# 805
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:146 Resp: 911340

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.3	76.9
75	32.6	26.6	40.0



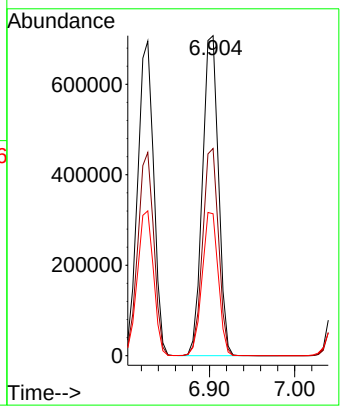


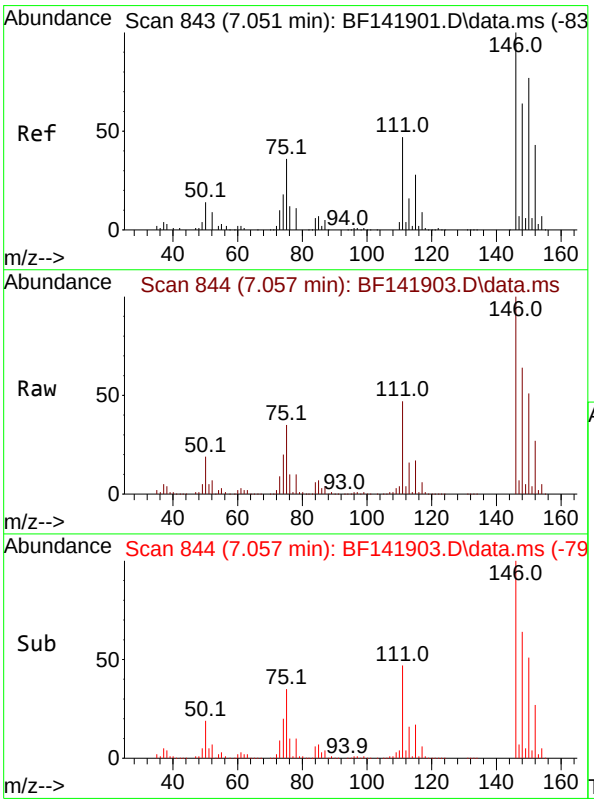
#13
1,4-Dichlorobenzene
Concen: 58.635 ng
RT: 6.904 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 923545

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.0	76.6
111	44.4	35.7	53.5

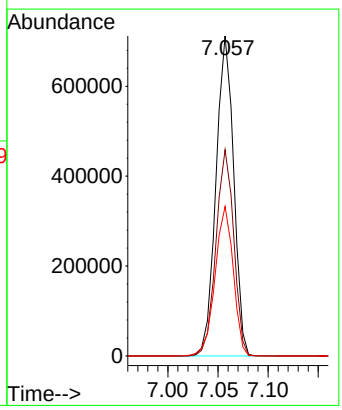


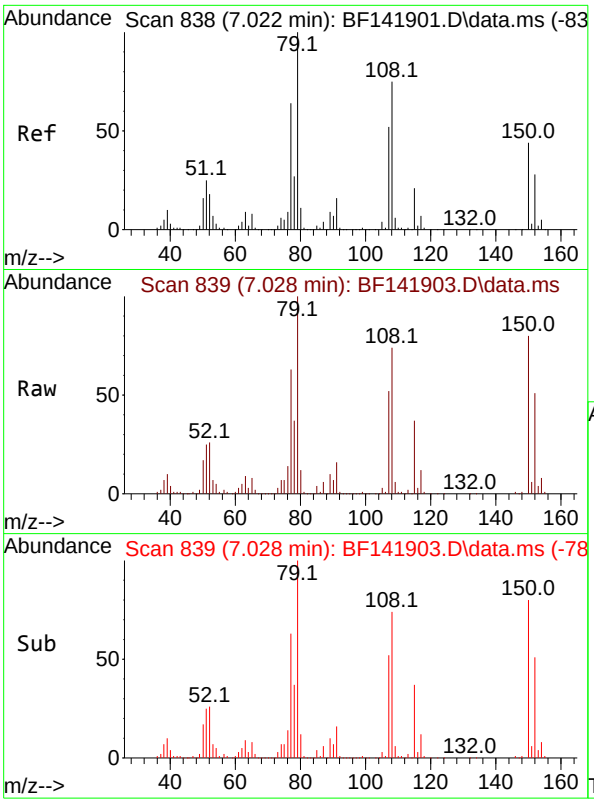


#14
1,2-Dichlorobenzene
Concen: 58.898 ng
RT: 7.057 min Scan# 844
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:146 Resp: 873604

Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.8	76.2
111	46.7	38.0	57.0



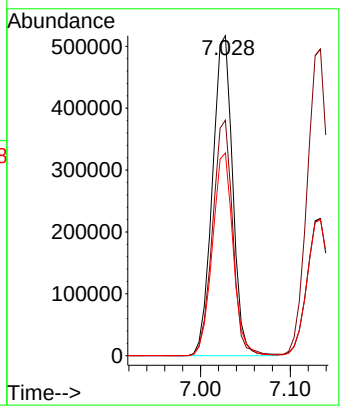


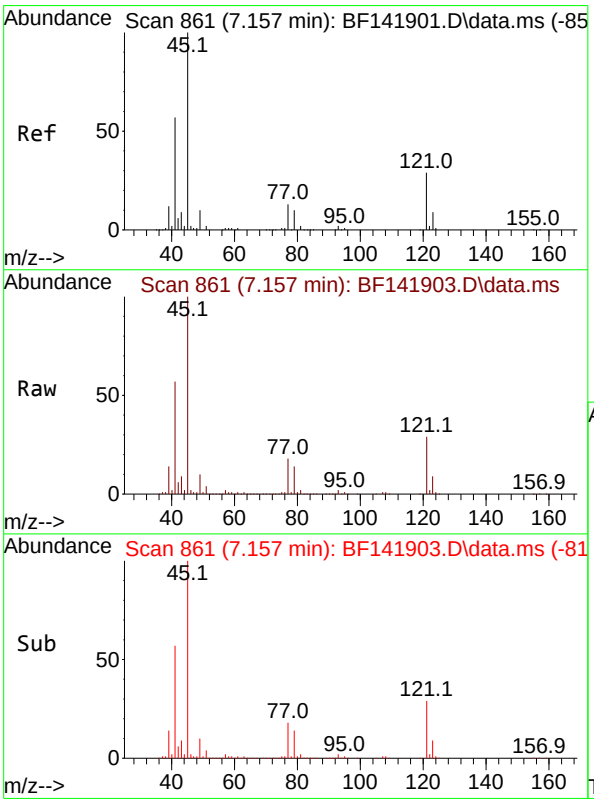
#15
Benzyl Alcohol
Concen: 60.480 ng
RT: 7.028 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 810347

Ion	Ratio	Lower	Upper
79	100		
108	73.6	59.7	89.5
77	63.4	51.0	76.6

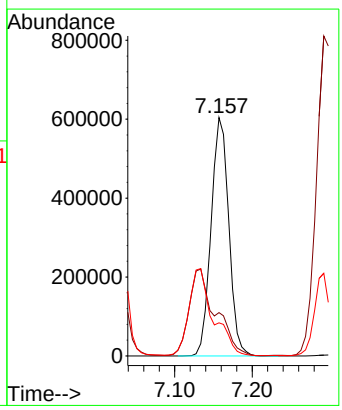


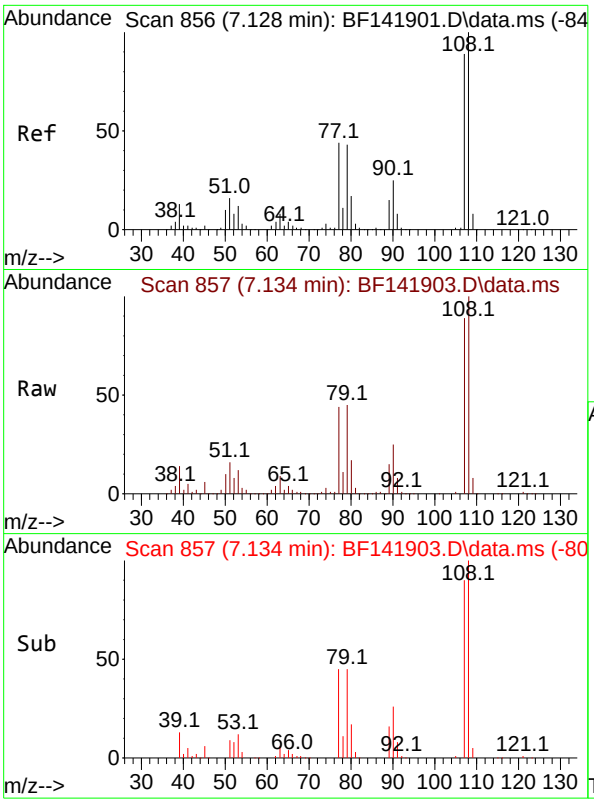


#16
2,2'-oxybis(1-Chloropropane)
Concen: 60.730 ng
RT: 7.157 min Scan# 861
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 45 Resp: 957808

Ion	Ratio	Lower	Upper
45	100		
77	18.2	0.0	37.8
79	13.9	0.0	34.2



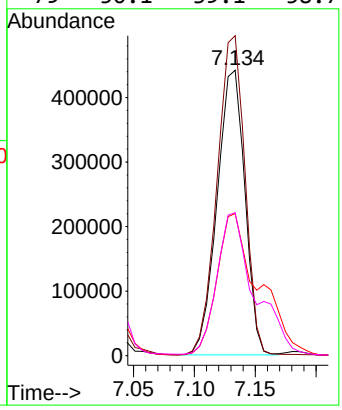


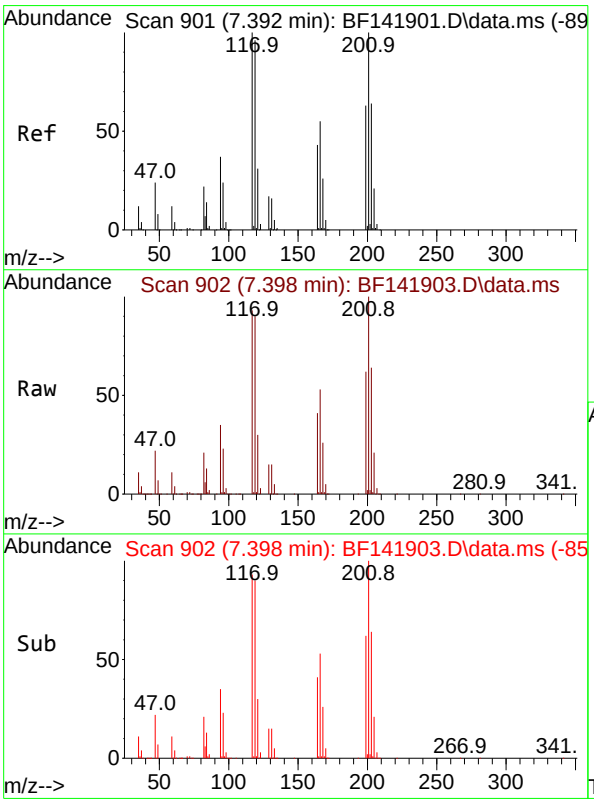
#17
2-Methylphenol
Concen: 61.285 ng
RT: 7.134 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 701676

Ion	Ratio	Lower	Upper
107	100		
108	112.1	90.2	135.2
77	49.8	39.6	59.4
79	50.1	39.1	58.7

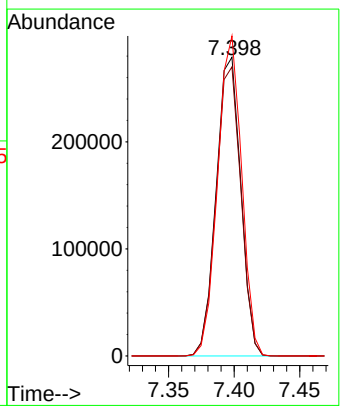


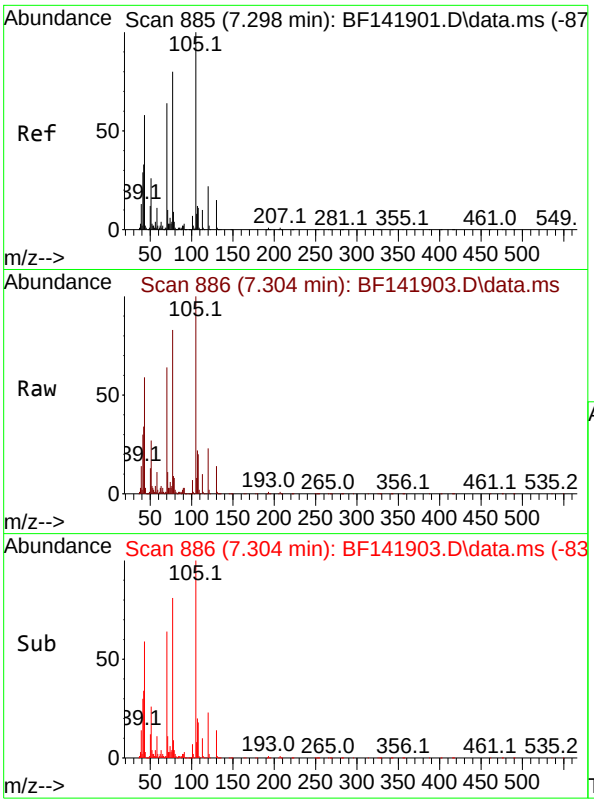


#18
Hexachloroethane
Concen: 61.734 ng
RT: 7.398 min Scan# 902
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:117 Resp: 364561

Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.9	115.3
201	107.1	79.9	119.9



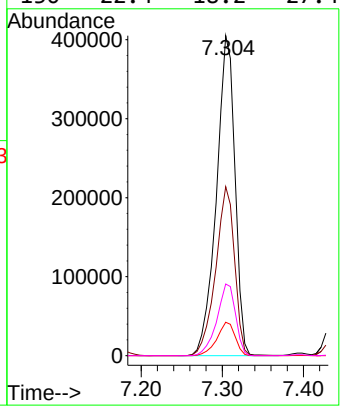


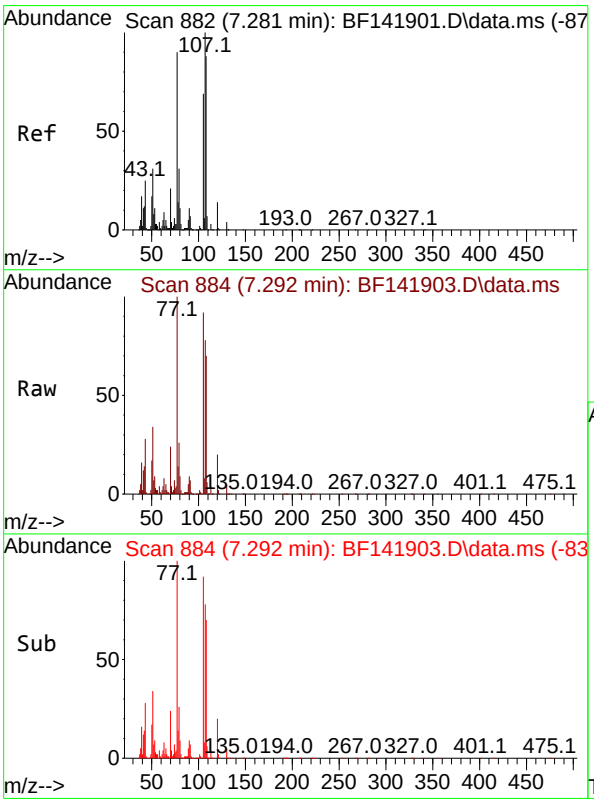
#19
n-Nitroso-di-n-propylamine
Concen: 60.576 ng
RT: 7.304 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 644501

Ion	Ratio	Lower	Upper
70	100		
42	52.8	41.4	62.0
101	10.4	8.2	12.2
130	22.4	18.2	27.4

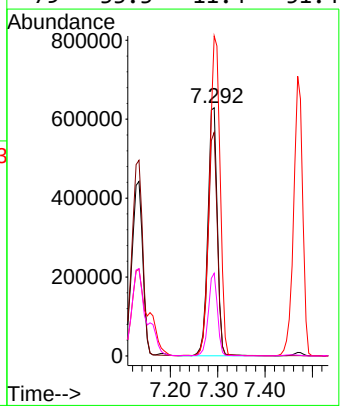


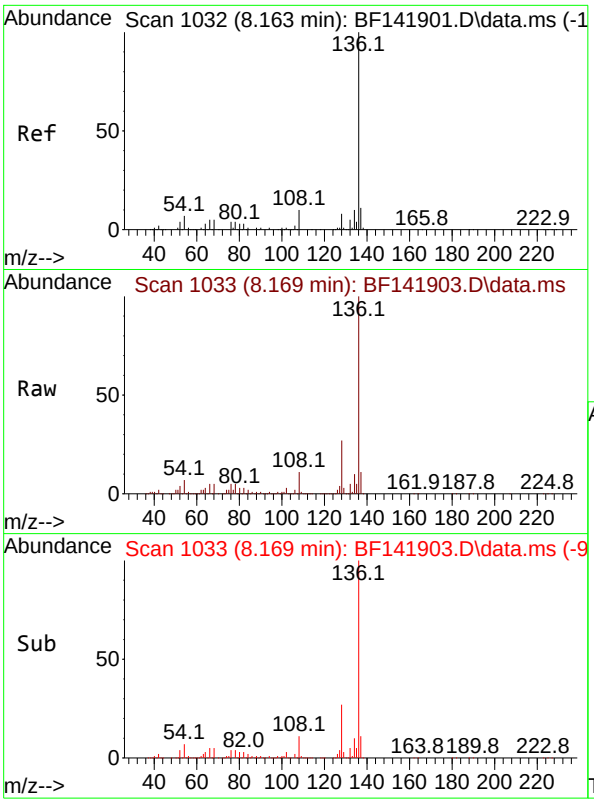


#20
3+4-Methylphenols
Concen: 59.116 ng
RT: 7.292 min Scan# 884
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:107 Resp: 868157

Ion	Ratio	Lower	Upper
107	100		
108	90.1	68.4	108.4
77	128.9	69.7	109.7#
79	33.3	11.4	51.4



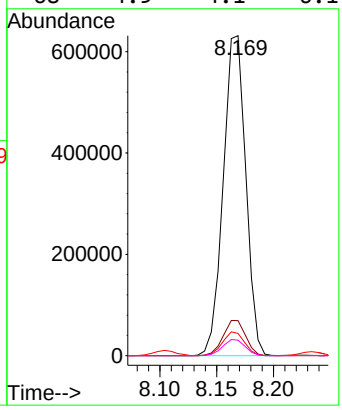


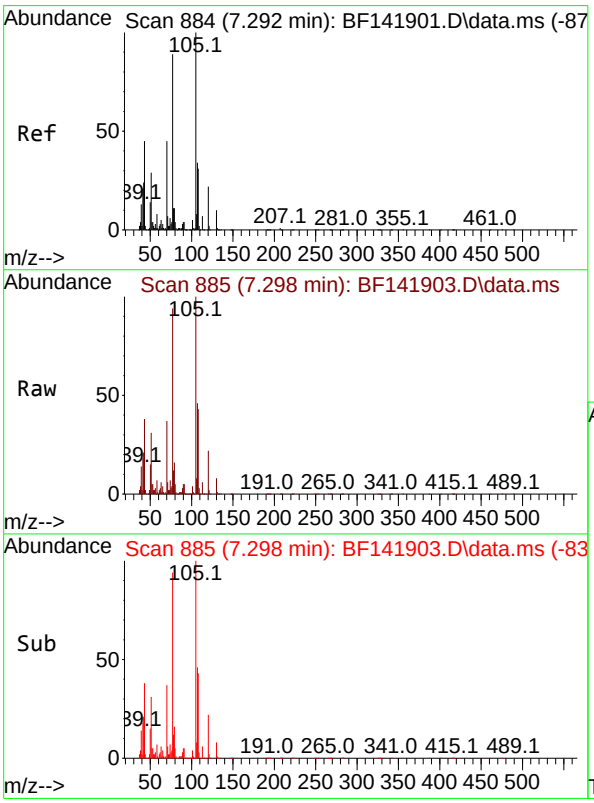
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 872222

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.0	5.8	8.8
68	4.9	4.1	6.1

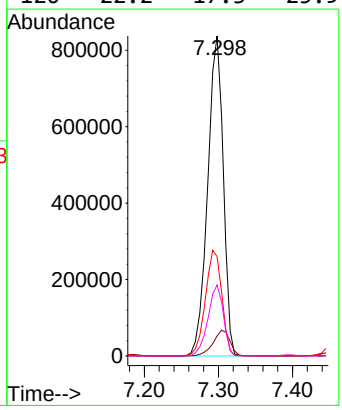


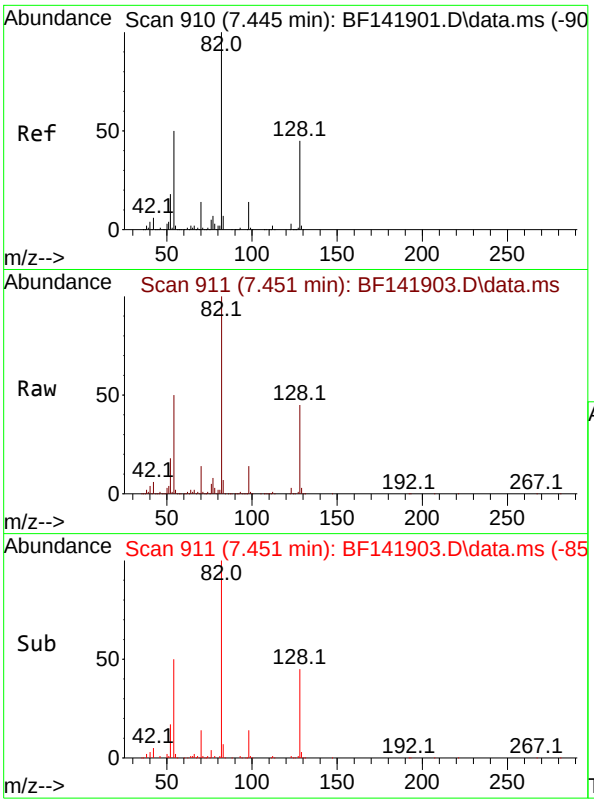


#22
Acetophenone
Concen: 58.635 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:105 Resp: 1226859

Ion	Ratio	Lower	Upper
105	100		
71	6.2	5.8	8.8
51	31.1	23.4	35.0
120	22.2	17.3	25.9



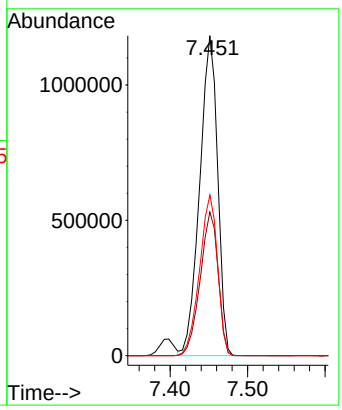


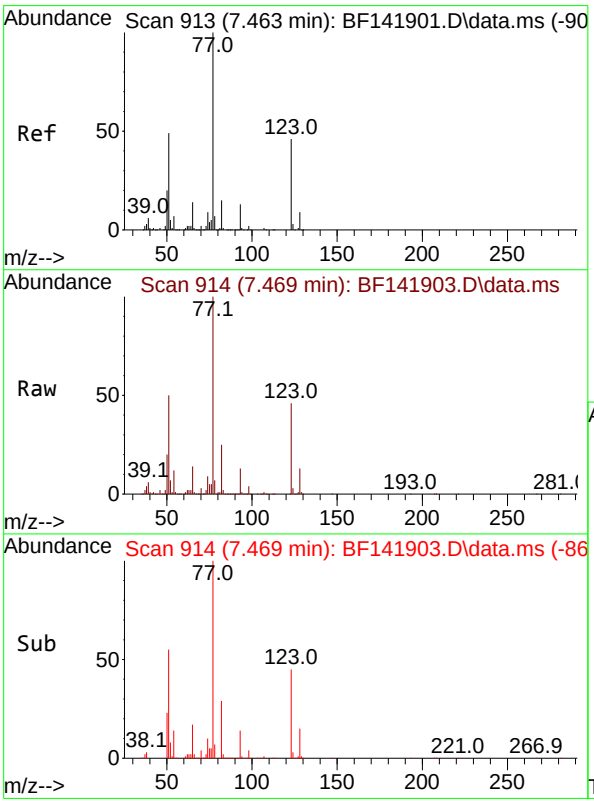
#23
Nitrobenzene-d5
Concen: 122.074 ng
RT: 7.451 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1899726

Ion	Ratio	Lower	Upper
82	100		
128	44.9	36.0	54.0
54	50.3	39.6	59.4

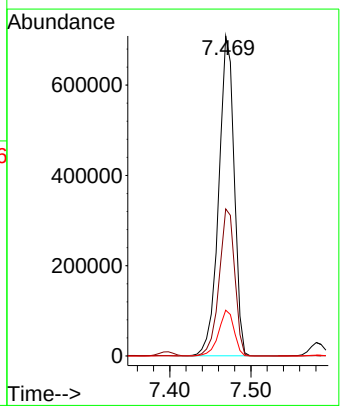


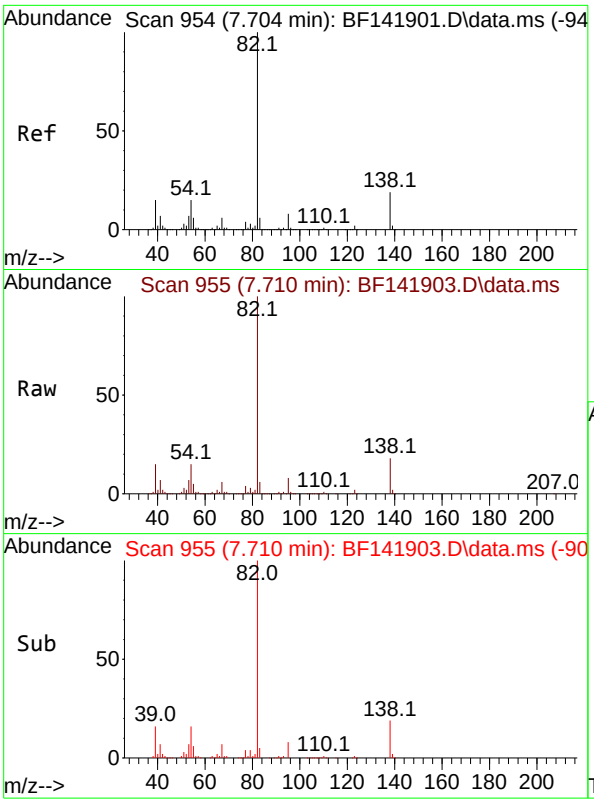


#24
Nitrobenzene
Concen: 60.889 ng
RT: 7.469 min Scan# 914
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 77 Resp: 939508

Ion	Ratio	Lower	Upper
77	100		
123	45.9	37.0	55.4
65	14.3	11.3	16.9



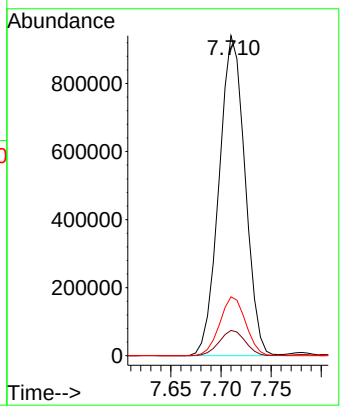


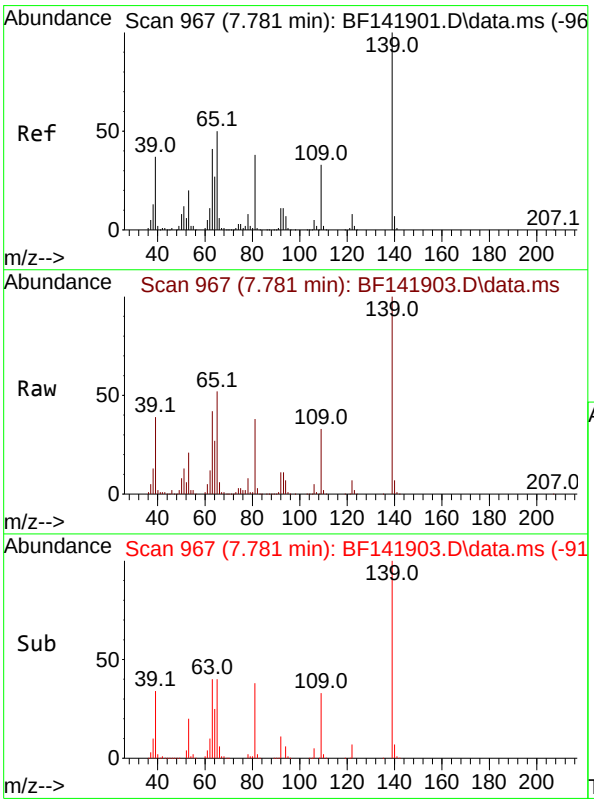
#25
Isophorone
Concen: 61.720 ng
RT: 7.710 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1695749

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.4	9.6
138	18.4	14.9	22.3

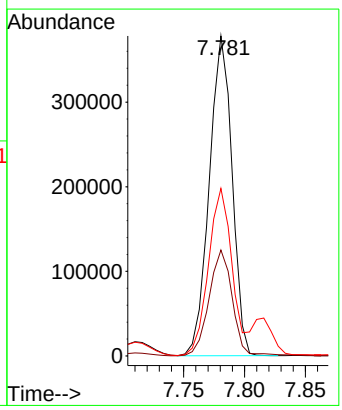


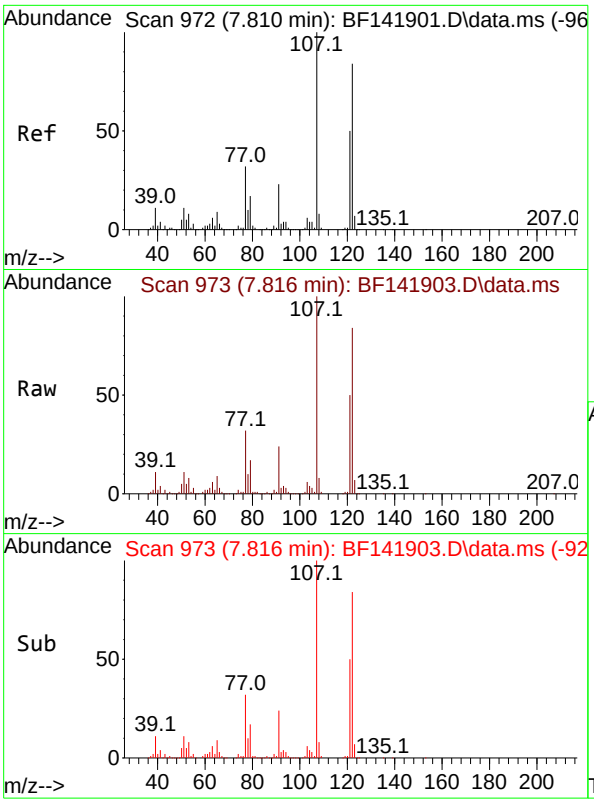


#26
2-Nitrophenol
Concen: 64.978 ng
RT: 7.781 min Scan# 967
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:139 Resp: 491301

Ion	Ratio	Lower	Upper
139	100		
109	33.1	26.5	39.7
65	52.3	40.3	60.5



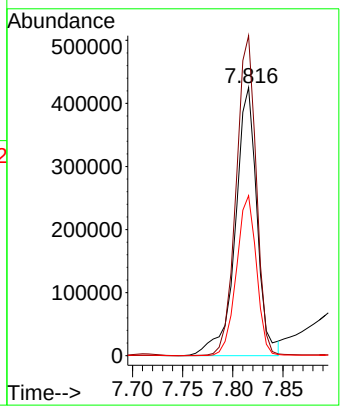


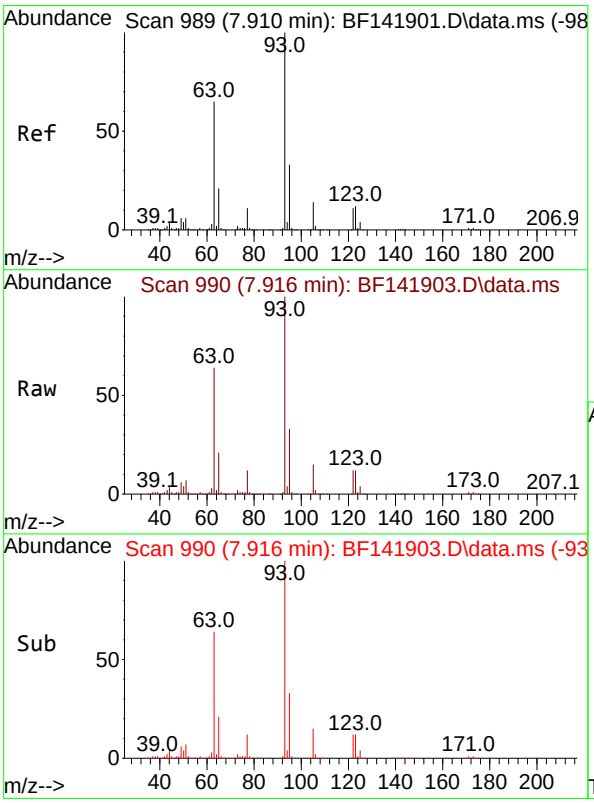
#27
2,4-Dimethylphenol
Concen: 61.408 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 639505

Ion	Ratio	Lower	Upper
122	100		
107	119.4	94.8	142.2
121	59.7	47.8	71.6

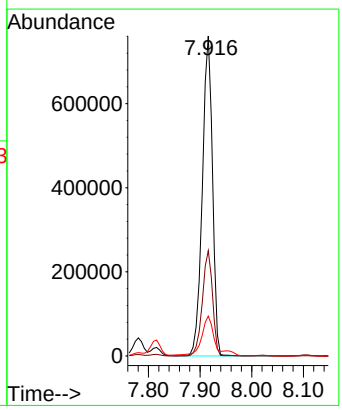


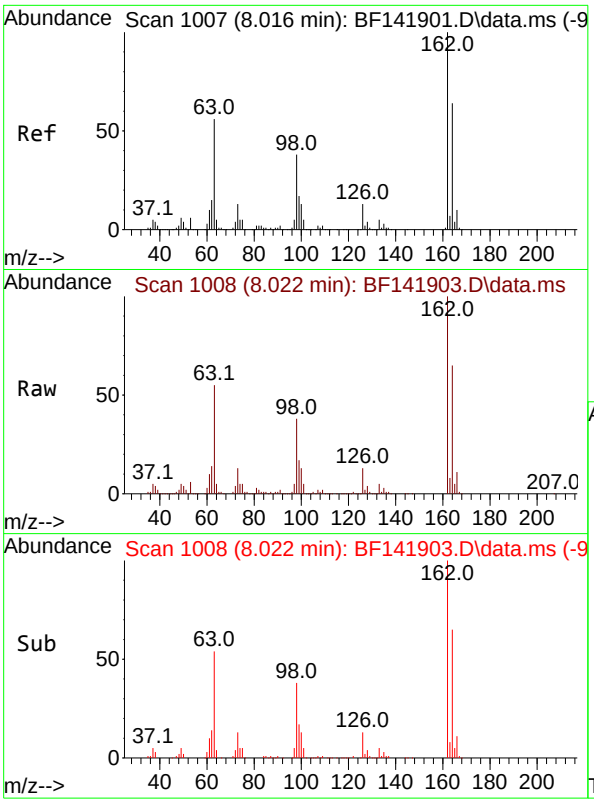


#28
bis(2-Chloroethoxy)methane
Concen: 60.422 ng
RT: 7.916 min Scan# 990
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 93 Resp: 1039951

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.6	40.0
123	12.5	10.2	15.4



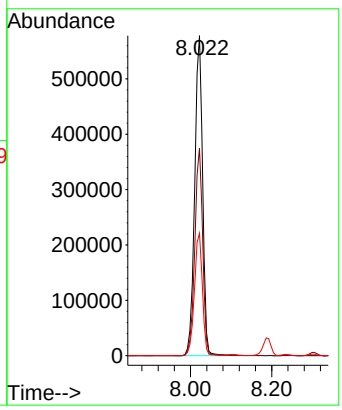


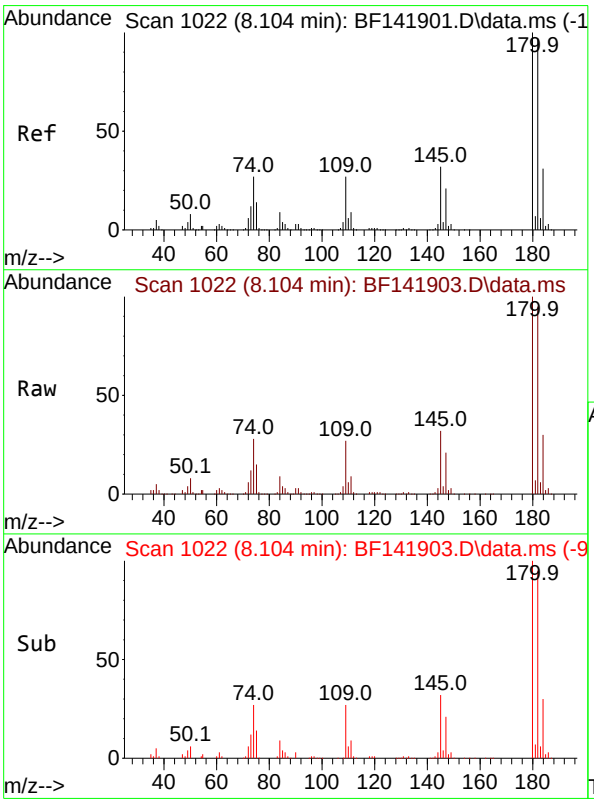
#29
2,4-Dichlorophenol
Concen: 61.272 ng
RT: 8.022 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 791904

Ion	Ratio	Lower	Upper
162	100		
164	64.9	43.8	83.8
98	38.3	18.1	58.1

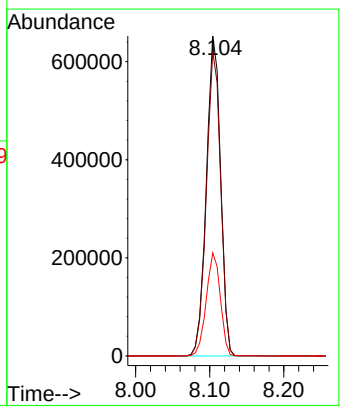


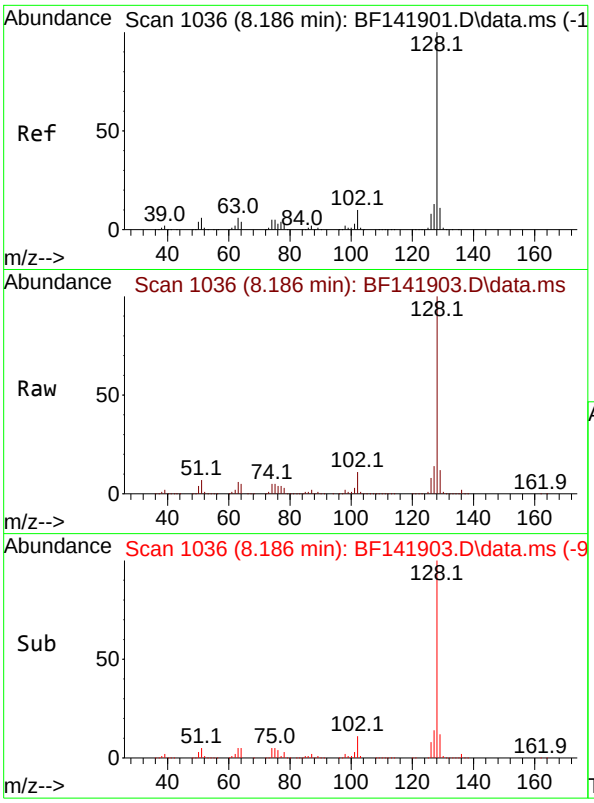


#30
1,2,4-Trichlorobenzene
Concen: 61.044 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:180 Resp: 870403

Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.5	116.3
145	32.2	25.8	38.6



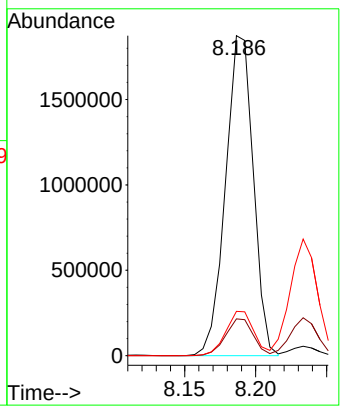


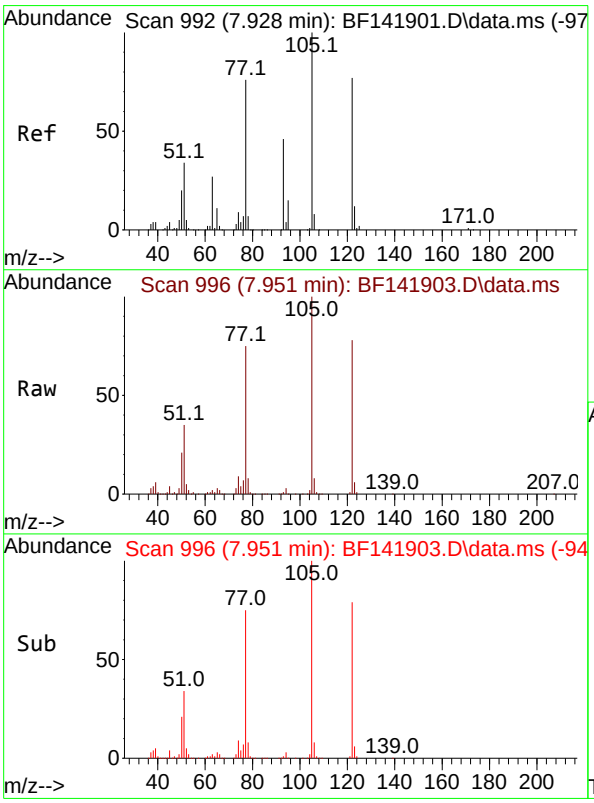
#31
Naphthalene
Concen: 56.961 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 2545181

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.0	13.6
127	13.8	10.8	16.2

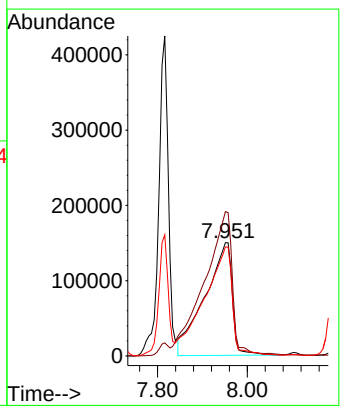


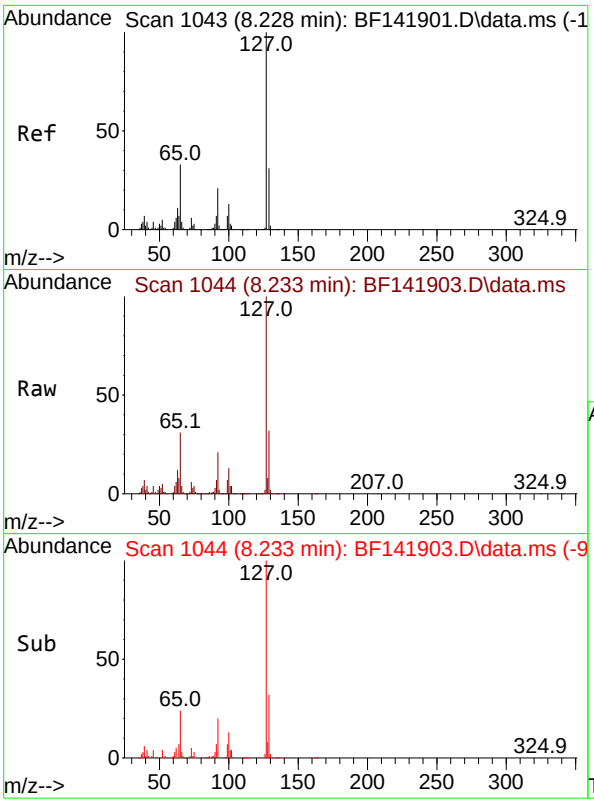


#32
Benzoic acid
Concen: 69.664 ng
RT: 7.951 min Scan# 996
Delta R.T. 0.023 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:122 Resp: 634105

Ion	Ratio	Lower	Upper
122	100		
105	127.5	107.9	147.9
77	96.2	79.0	119.0



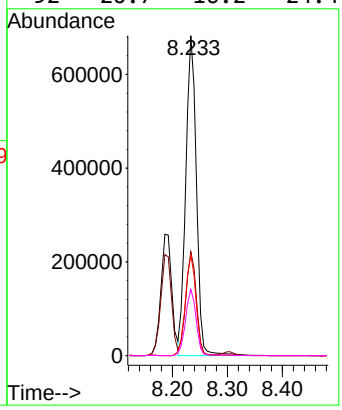


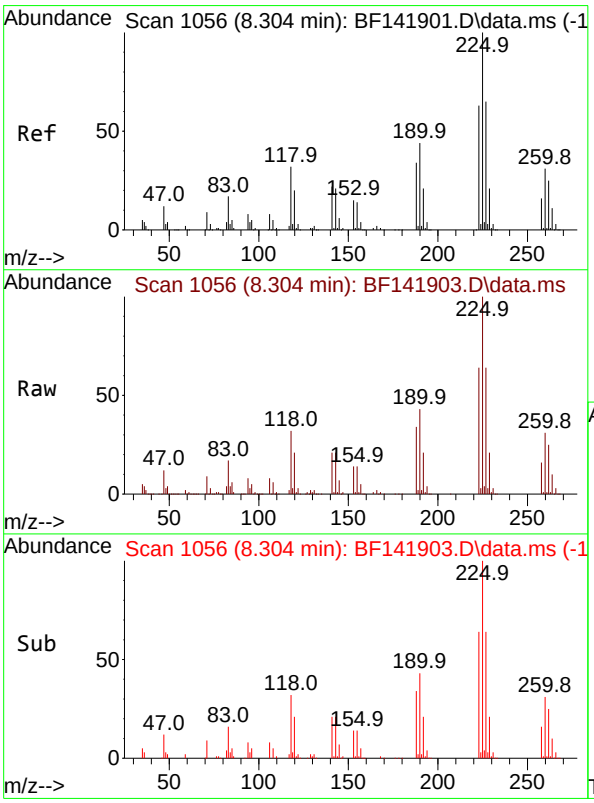
#33
4-Chloroaniline
Concen: 58.348 ng
RT: 8.233 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 920015

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.2	39.4
65	31.5	25.4	38.2
92	20.7	16.2	24.4

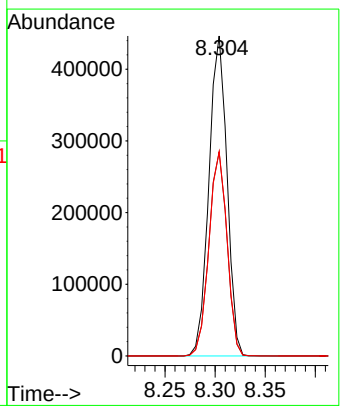


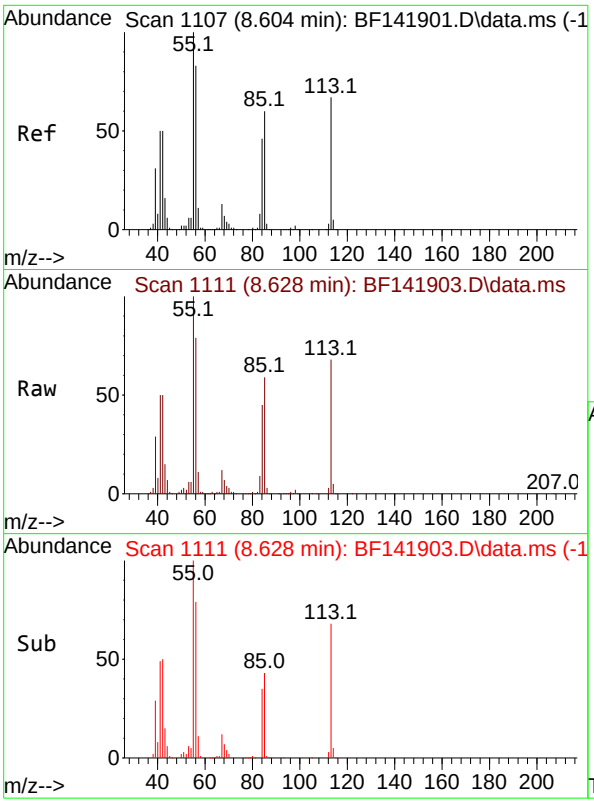


#34
Hexachlorobutadiene
Concen: 60.397 ng
RT: 8.304 min Scan# 1056
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:225 Resp: 559955

Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.6	75.8
227	63.8	52.2	78.2



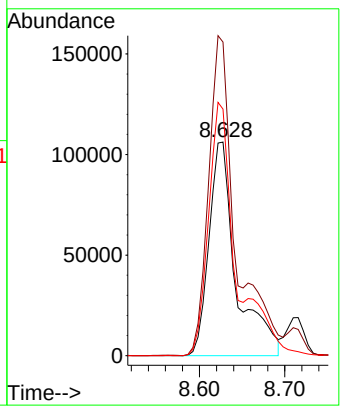


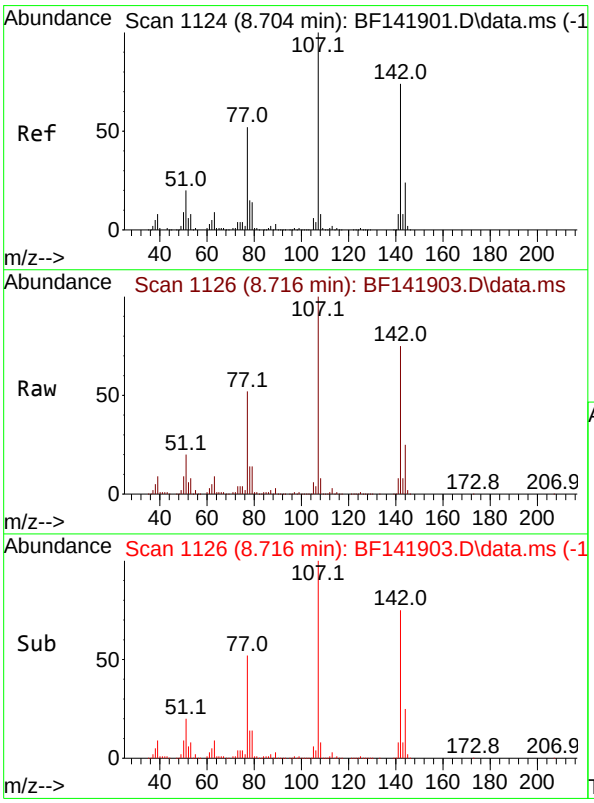
#35
Caprolactam
Concen: 60.015 ng
RT: 8.628 min Scan# 11
Delta R.T. 0.024 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 235861

Ion	Ratio	Lower	Upper
113	100		
55	146.7	129.6	169.6
56	115.4	104.0	144.0

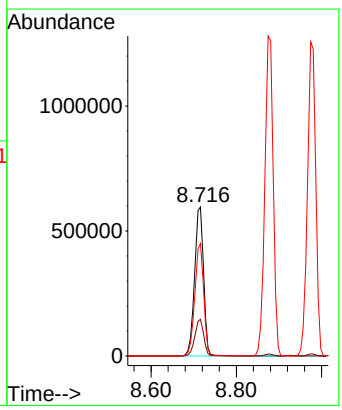


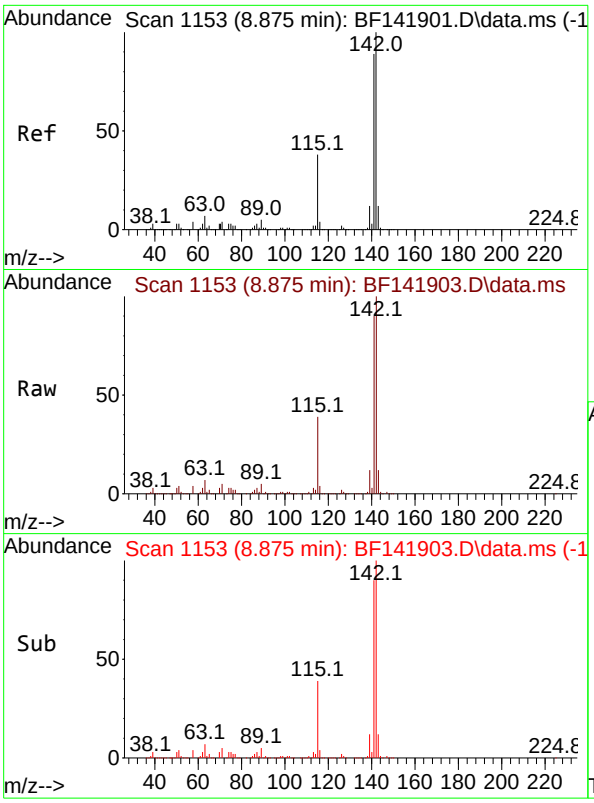


#36
4-Chloro-3-methylphenol
Concen: 60.807 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:107 Resp: 874022

Ion	Ratio	Lower	Upper
107	100		
144	24.6	19.0	28.6
142	75.4	59.2	88.8



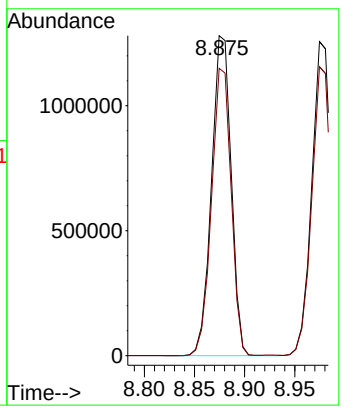


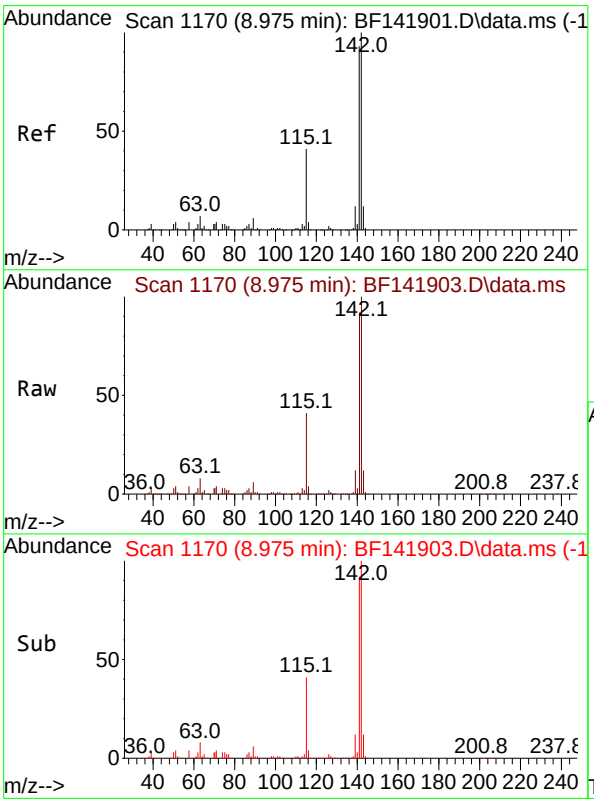
#37
2-Methylnaphthalene
Concen: 58.187 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 1744374

Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.2	106.8

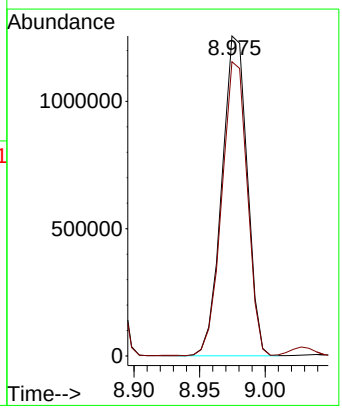


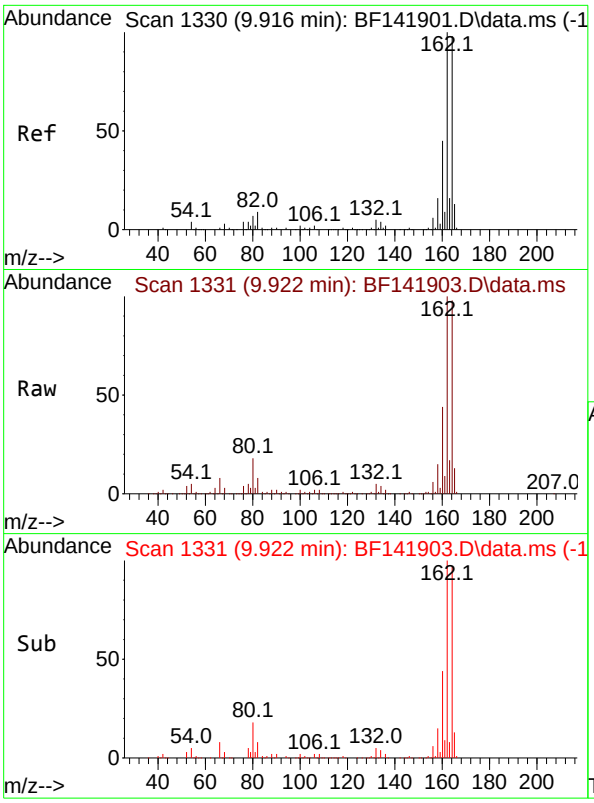


#38
1-Methylnaphthalene
Concen: 58.285 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:142 Resp: 1692113

Ion	Ratio	Lower	Upper
142	100		
141	92.0	74.2	111.4



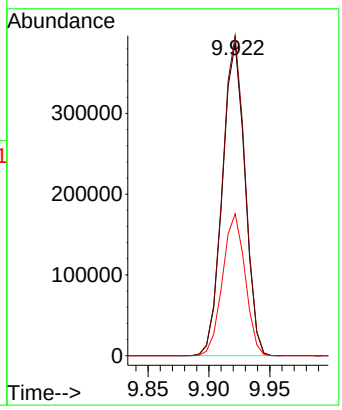


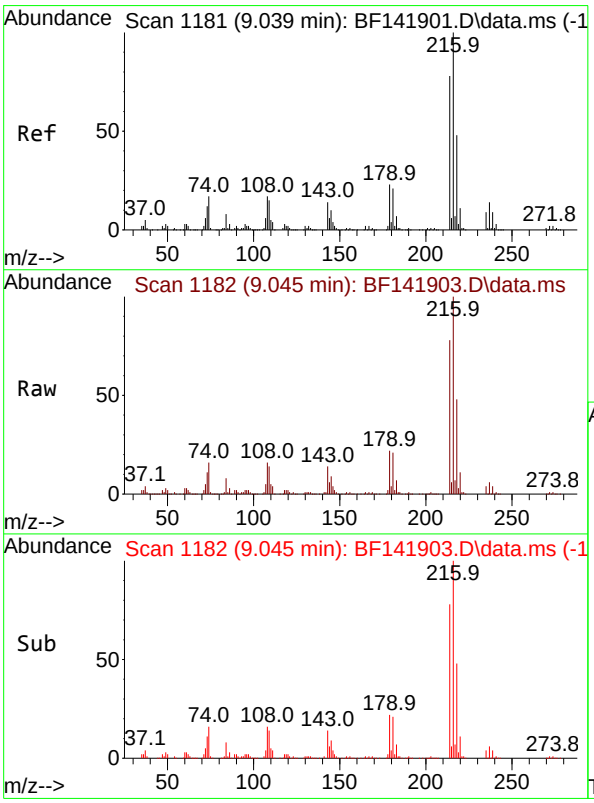
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 497194

Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.8	122.6
160	45.4	36.7	55.1

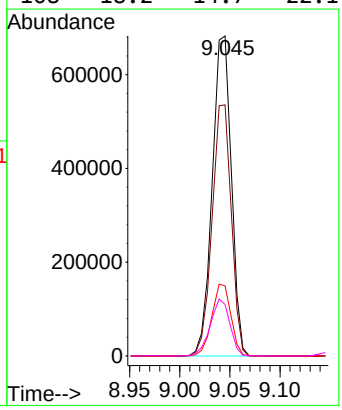


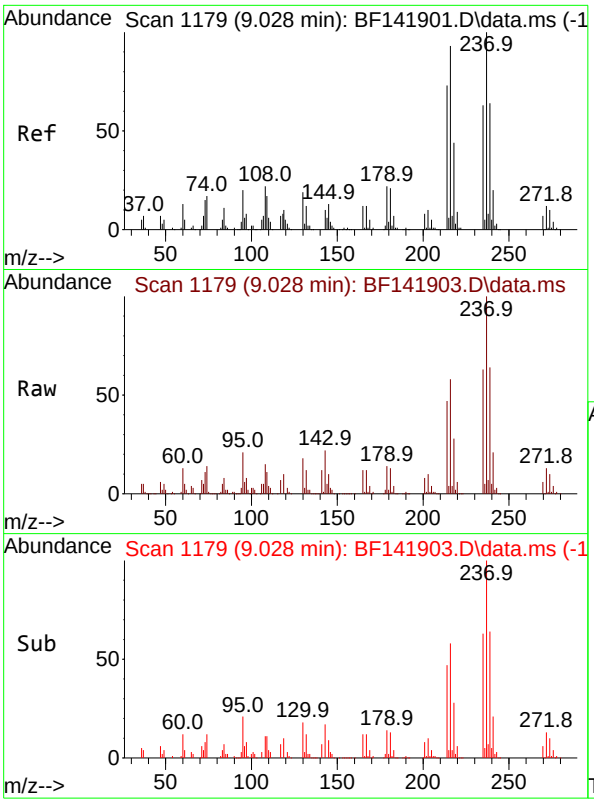


#40
1,2,4,5-Tetrachlorobenzene
Concen: 59.627 ng
RT: 9.045 min Scan# 1182
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:216 Resp: 903928

Ion	Ratio	Lower	Upper
216	100		
214	78.9	61.9	92.9
179	22.3	18.1	27.1
108	18.2	14.7	22.1



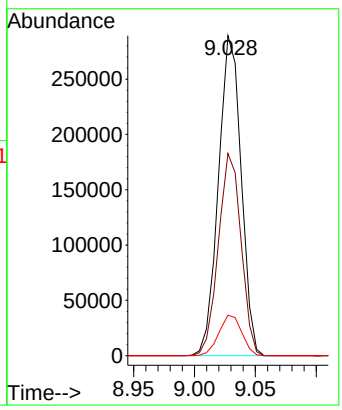


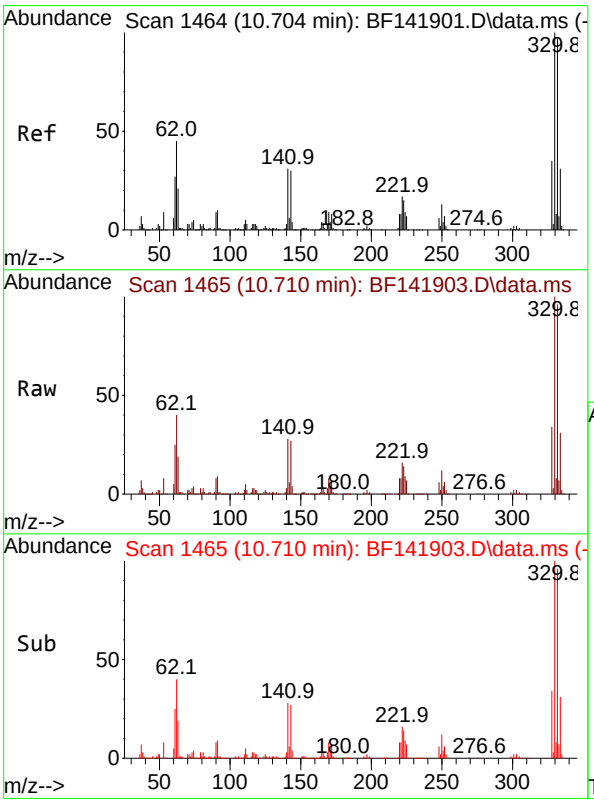
#41
Hexachlorocyclopentadiene
Concen: 62.842 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 375919

Ion	Ratio	Lower	Upper
237	100		
235	63.2	43.1	83.1
272	12.6	0.0	32.0

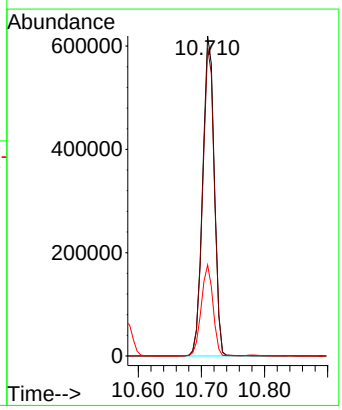


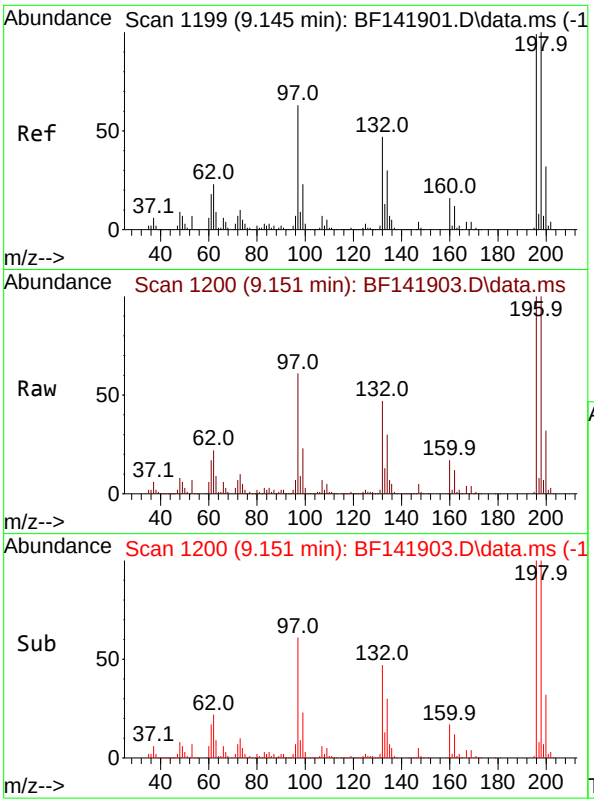


#42
2,4,6-Tribromophenol
Concen: 125.609 ng
RT: 10.710 min Scan# 1465
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:330 Resp: 791365

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.6	116.4
141	28.7	24.7	37.1



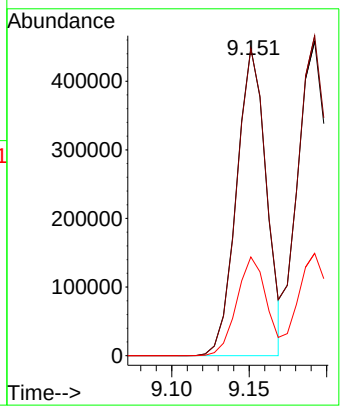


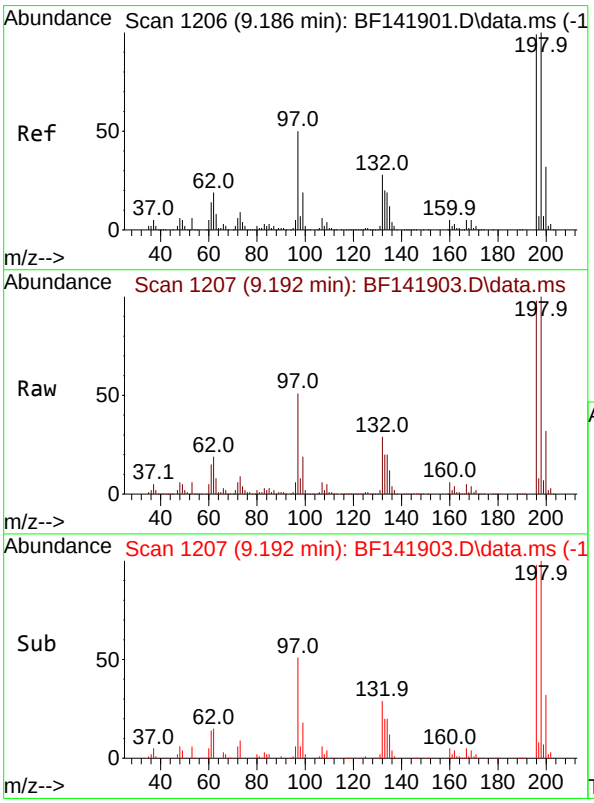
#43
2,4,6-Trichlorophenol
Concen: 60.479 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 597686

Ion	Ratio	Lower	Upper
196	100		
198	99.8	80.6	121.0
200	32.1	25.8	38.6

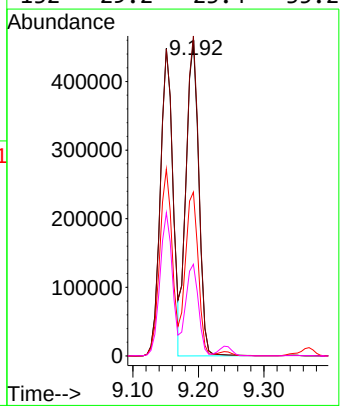


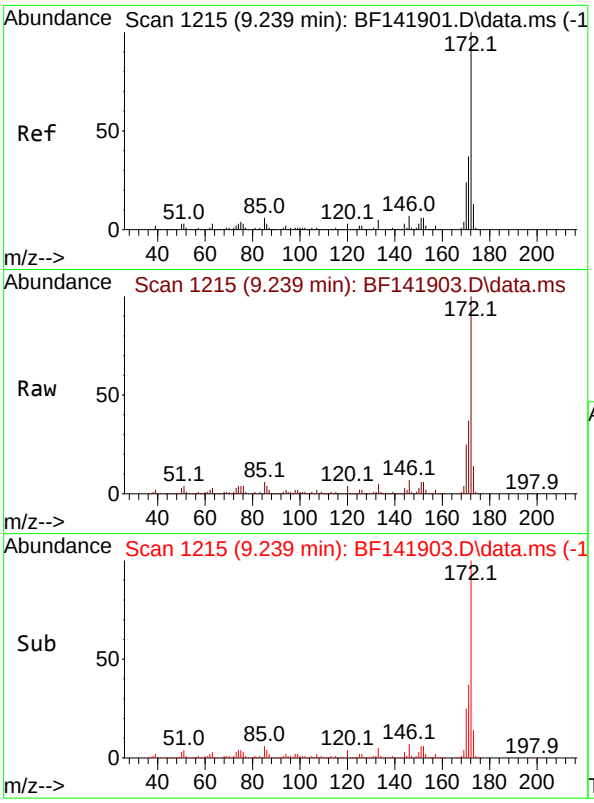


#44
2,4,5-Trichlorophenol
Concen: 61.642 ng
RT: 9.192 min Scan# 1207
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:196 Resp: 618930

Ion	Ratio	Lower	Upper
196	100		
198	101.7	80.7	121.1
97	52.1	42.1	63.1
132	29.2	23.4	35.2



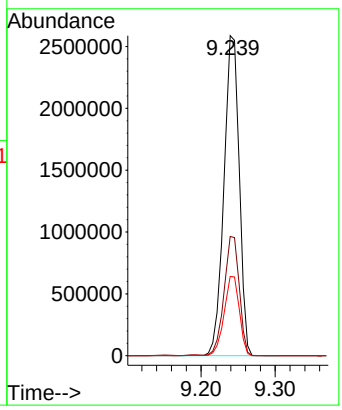


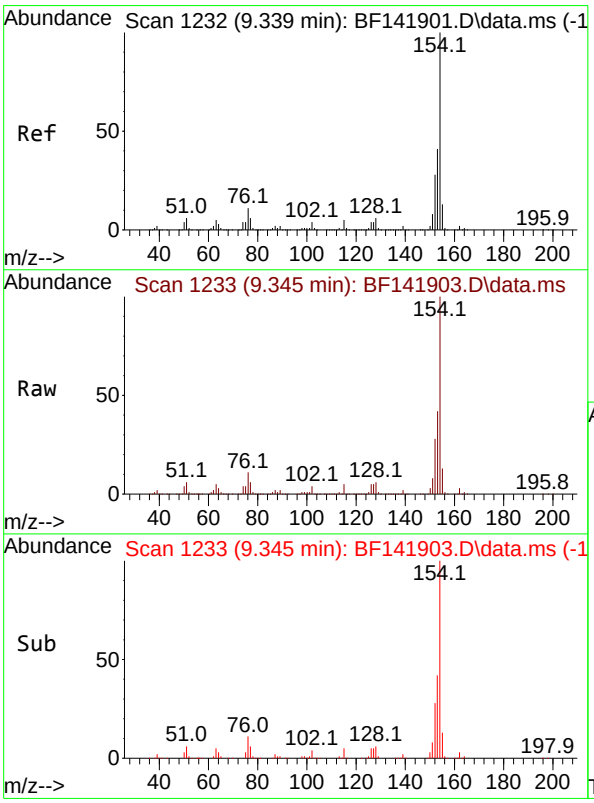
#45
2-Fluorobiphenyl
Concen: 113.827 ng
RT: 9.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 3716590

Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.3	43.9
170	24.7	19.4	29.0

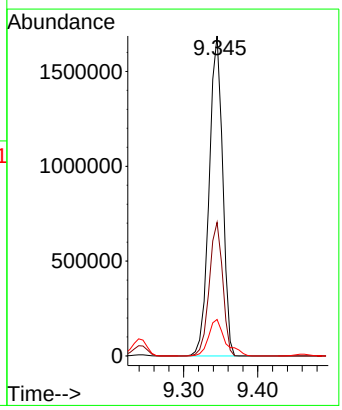


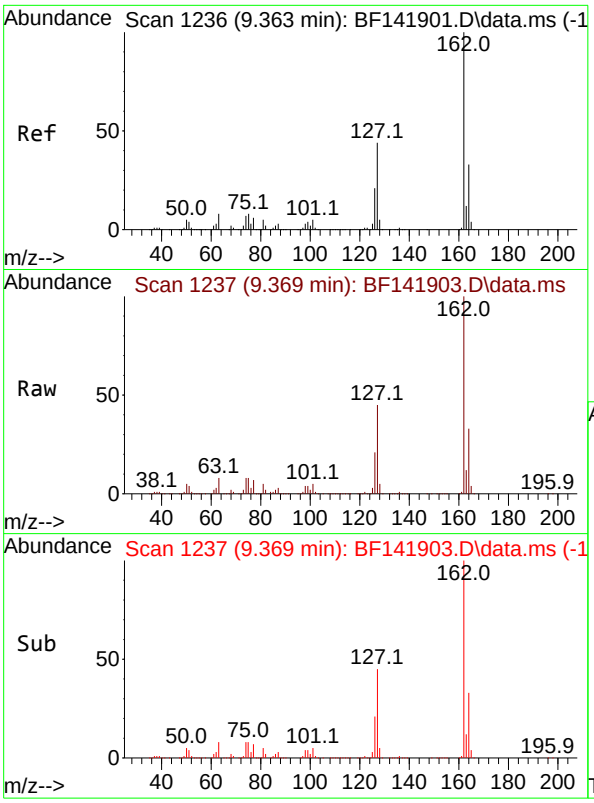


#46
1,1'-Biphenyl
Concen: 56.634 ng
RT: 9.345 min Scan# 1233
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:154 Resp: 2134829

Ion	Ratio	Lower	Upper
154	100		
153	41.8	21.1	61.1
76	11.4	0.0	31.3



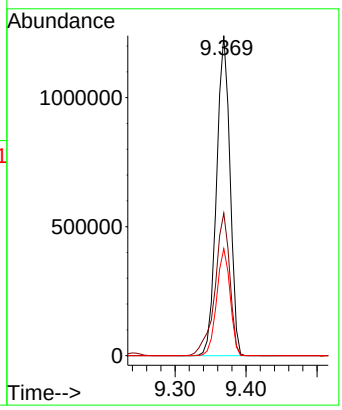


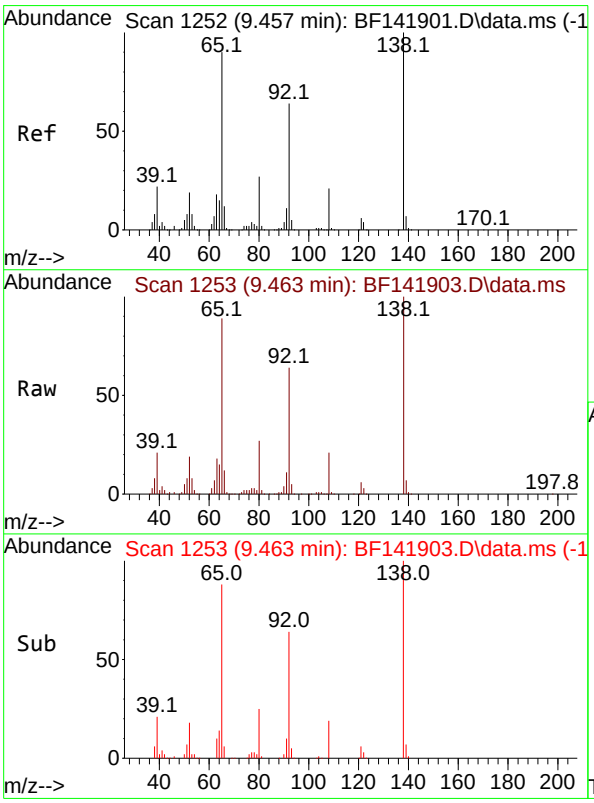
#47
2-Chloronaphthalene
Concen: 57.879 ng
RT: 9.369 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 1625973

Ion	Ratio	Lower	Upper
162	100		
127	44.5	35.5	53.3
164	33.5	26.6	40.0

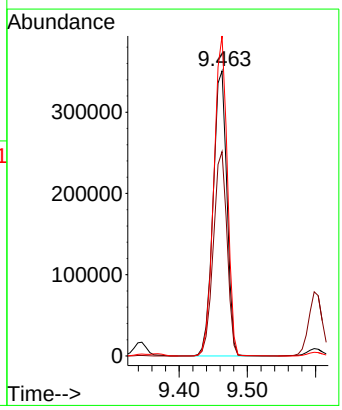


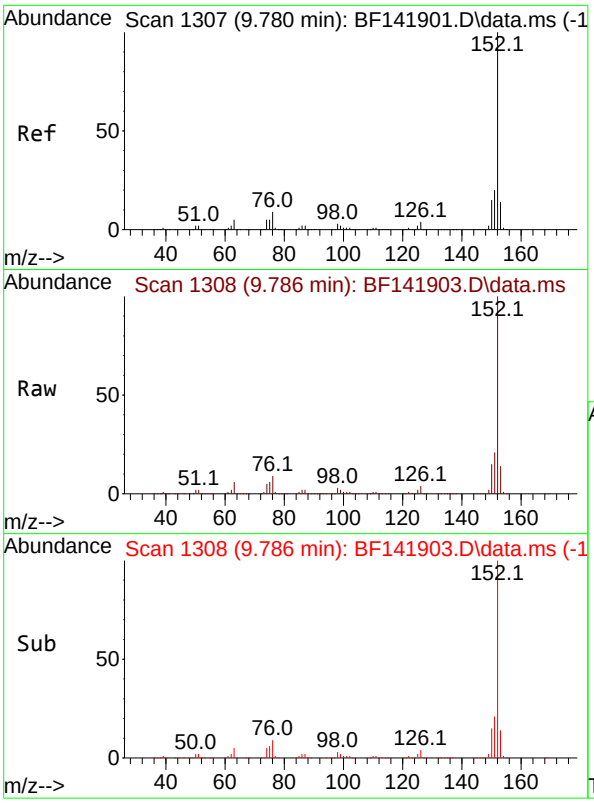


#48
2-Nitroaniline
Concen: 61.368 ng
RT: 9.463 min Scan# 1253
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 65 Resp: 495229

Ion	Ratio	Lower	Upper
65	100		
92	71.7	56.6	84.8
138	112.3	88.6	133.0



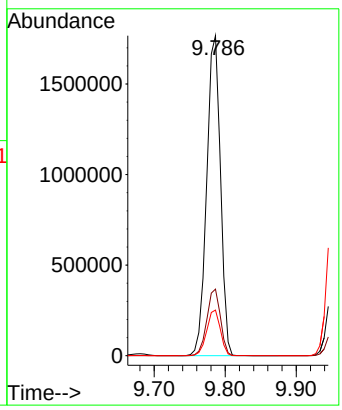


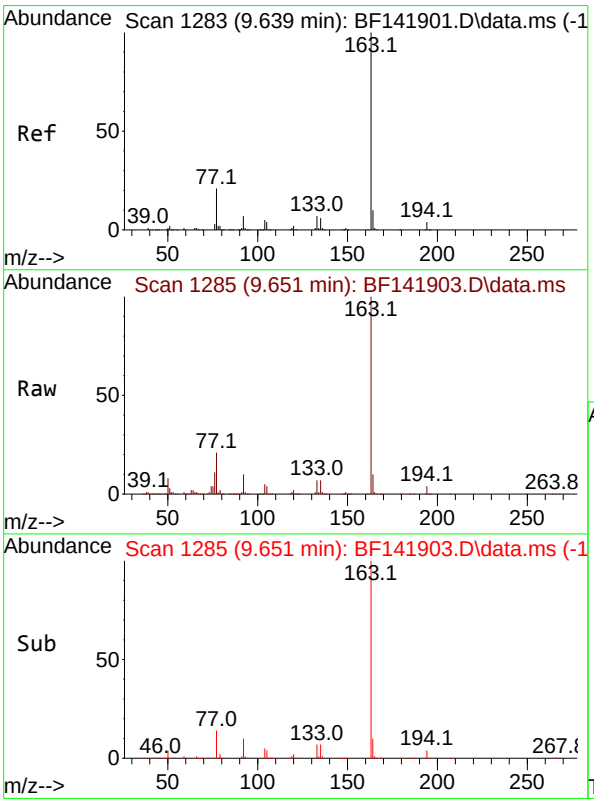
#49
Acenaphthylene
Concen: 57.125 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 2379216

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.3	24.5
153	14.2	11.1	16.7

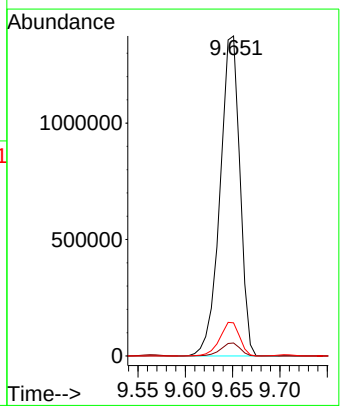


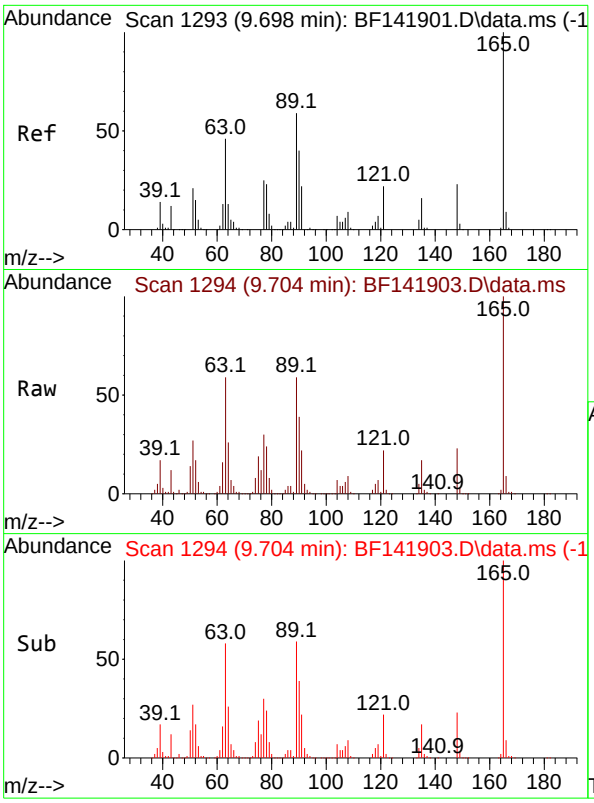


#50
Dimethylphthalate
Concen: 58.083 ng
RT: 9.651 min Scan# 1285
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:163 Resp: 2006480

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.1	4.7
164	10.4	8.2	12.4



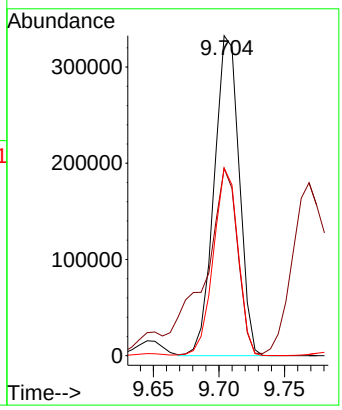


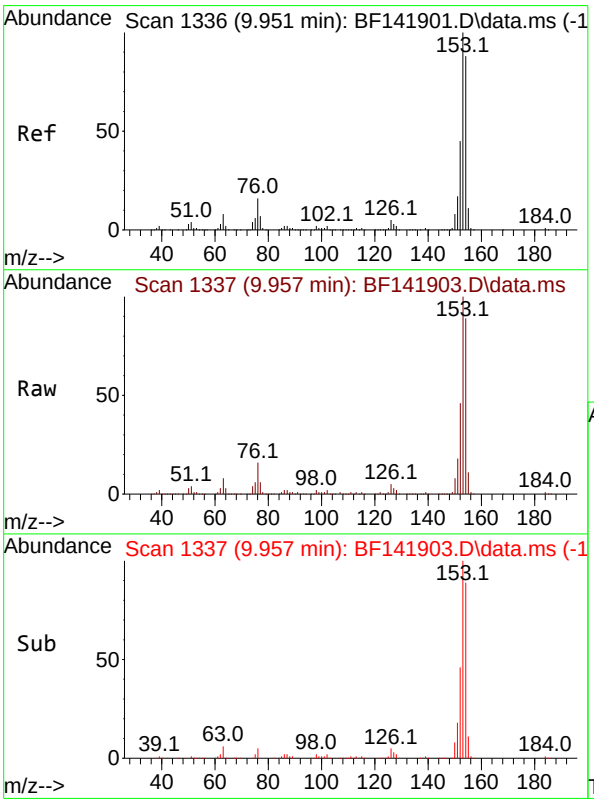
#51
2,6-Dinitrotoluene
Concen: 61.441 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 441383

Ion	Ratio	Lower	Upper
165	100		
63	58.6	47.0	70.4
89	58.6	47.4	71.2

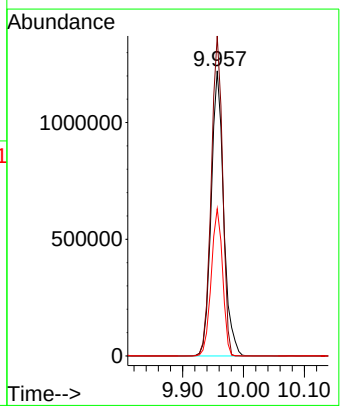


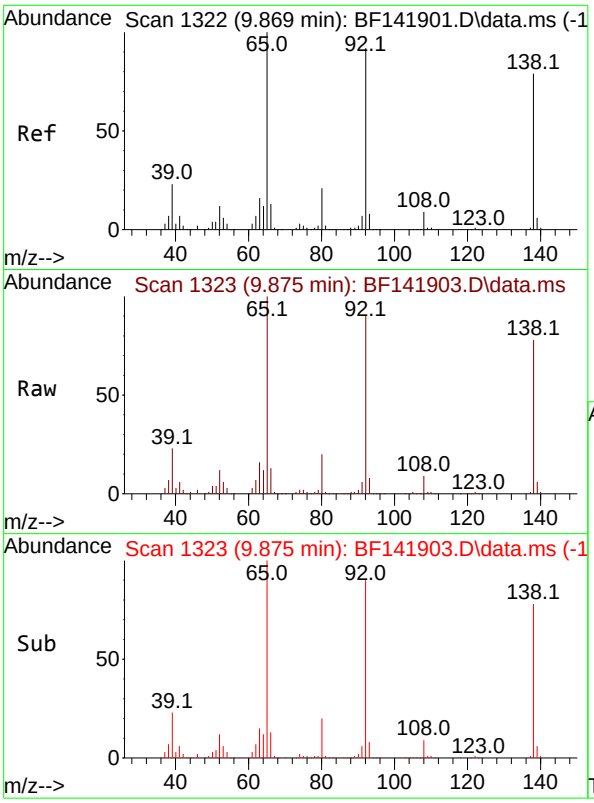


#52
Acenaphthene
Concen: 59.065 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:154 Resp: 1737049

Ion	Ratio	Lower	Upper
154	100		
153	112.2	90.7	136.1
152	51.6	41.1	61.7



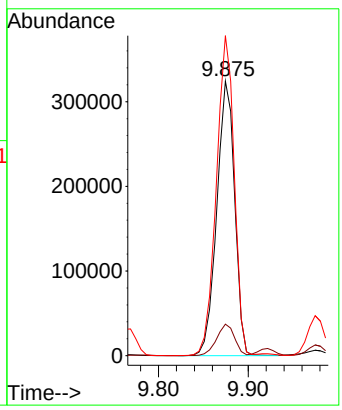


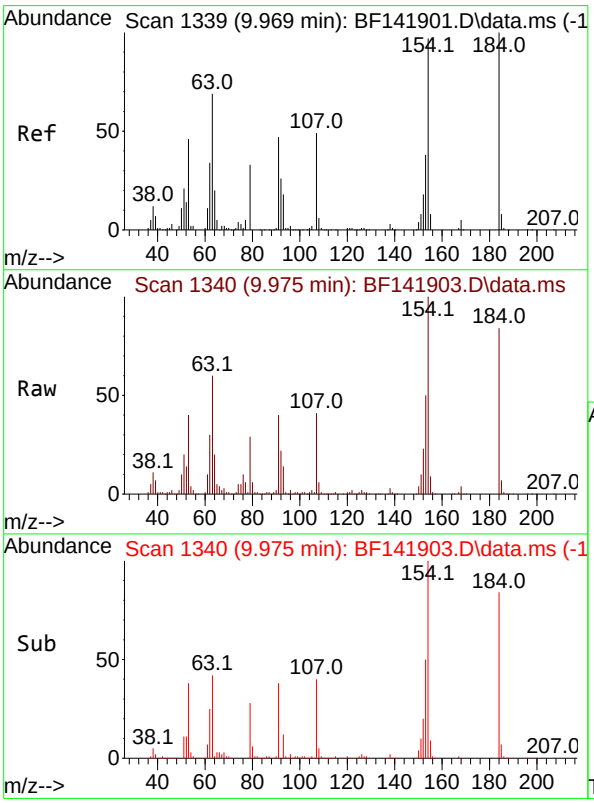
#53
3-Nitroaniline
Concen: 60.945 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 449553

Ion	Ratio	Lower	Upper
138	100		
108	11.5	9.3	13.9
92	116.5	93.5	140.3

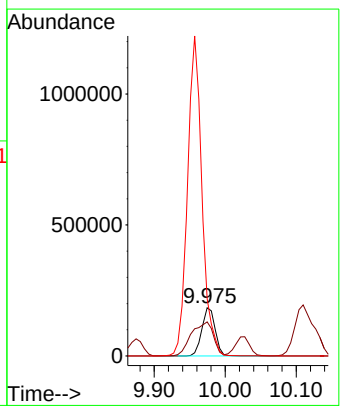


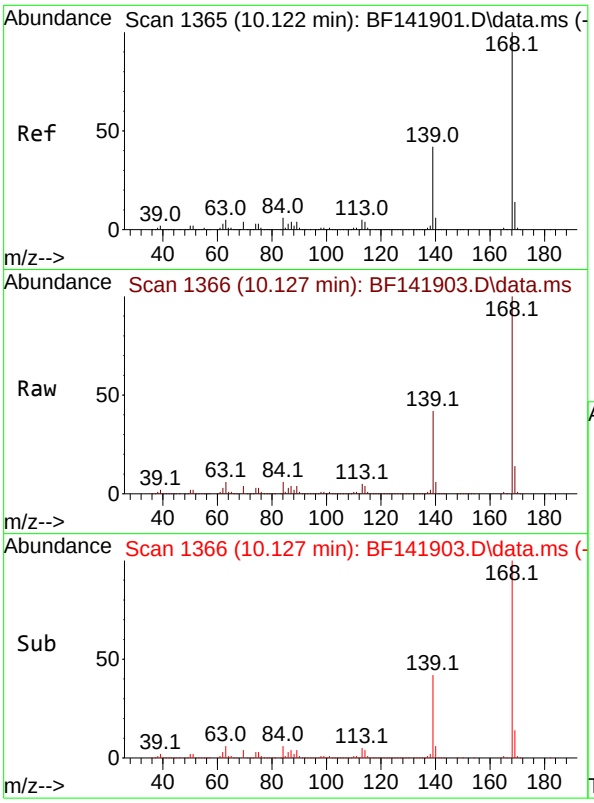


#54
2,4-Dinitrophenol
Concen: 60.329 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:184 Resp: 240530

Ion	Ratio	Lower	Upper
184	100		
63	70.8	60.2	90.4
154	118.6	132.9	199.3#



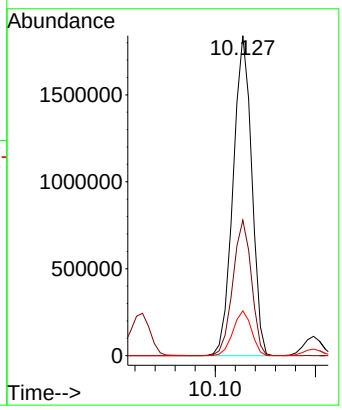


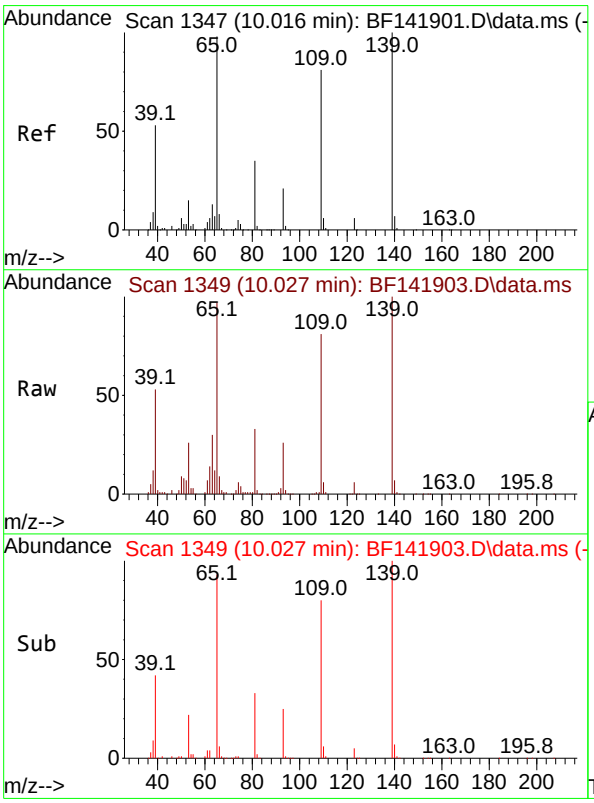
#55
Dibenzofuran
Concen: 56.781 ng
RT: 10.127 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 2380973

Ion	Ratio	Lower	Upper
168	100		
139	42.4	33.9	50.9
169	14.0	11.0	16.4

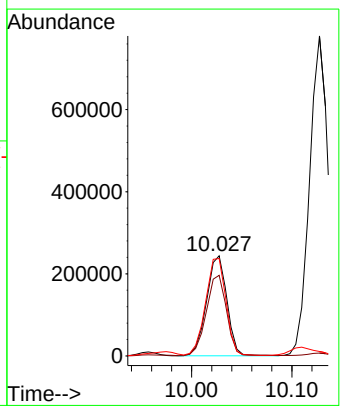


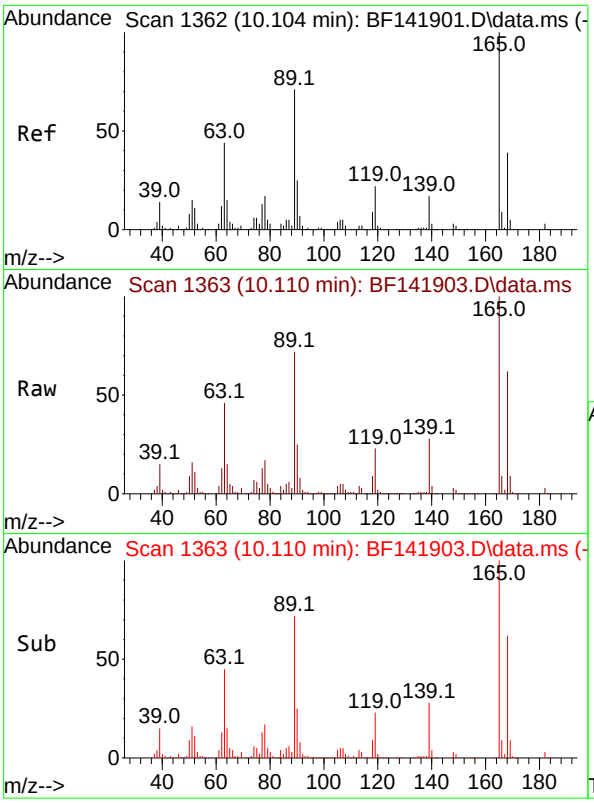


#56
4-Nitrophenol
Concen: 62.021 ng
RT: 10.027 min Scan# 1349
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:139 Resp: 343657

Ion	Ratio	Lower	Upper
139	100		
109	80.6	61.6	101.6
65	97.3	79.4	119.4



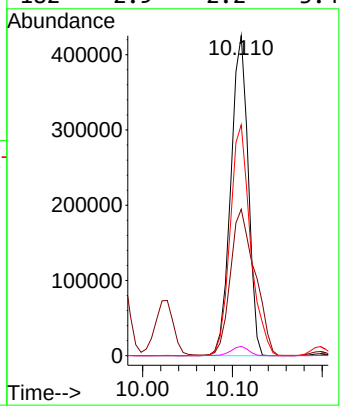


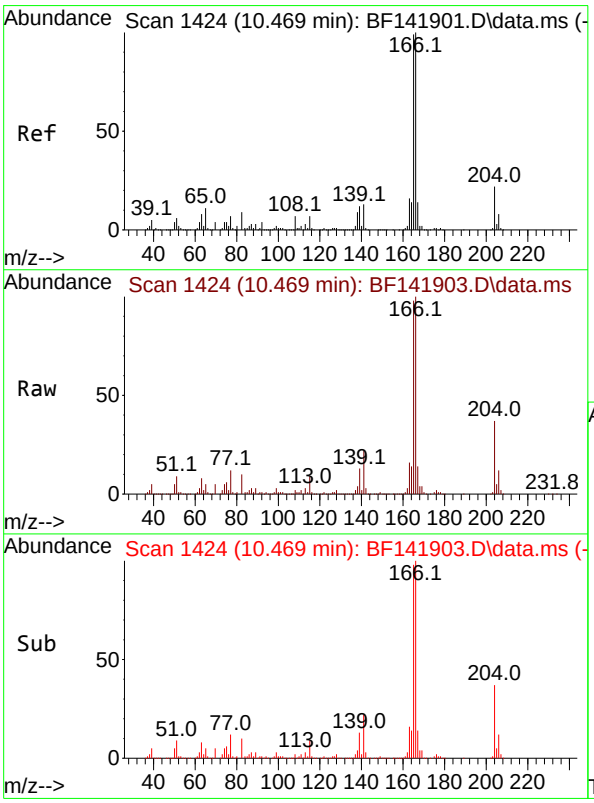
#57
2,4-Dinitrotoluene
Concen: 60.461 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 571731

Ion	Ratio	Lower	Upper
165	100		
63	45.8	35.4	53.2
89	72.1	56.6	84.8
182	2.9	2.2	3.4

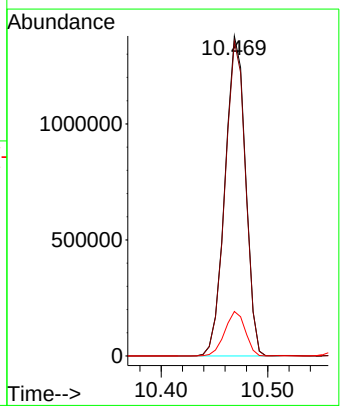


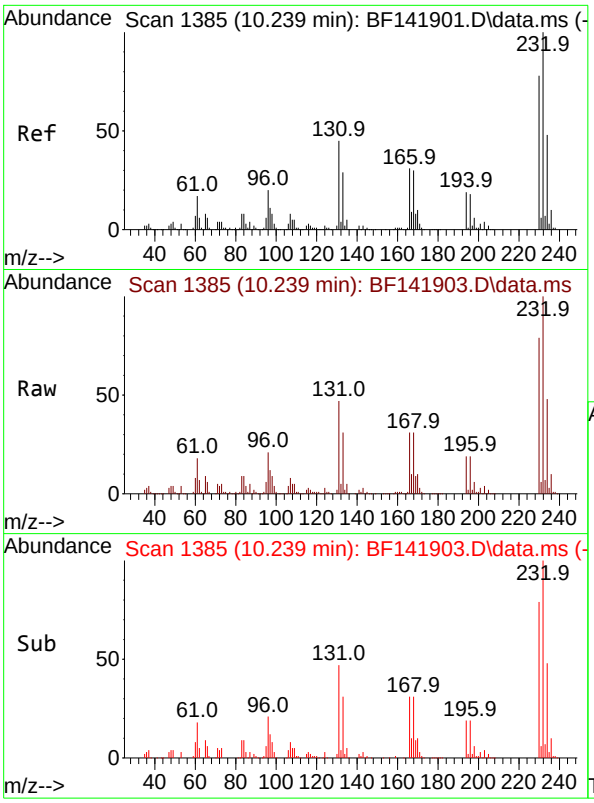


#58
Fluorene
Concen: 56.859 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:166 Resp: 1840654

Ion	Ratio	Lower	Upper
166	100		
165	98.3	79.0	118.4
167	13.9	11.0	16.4



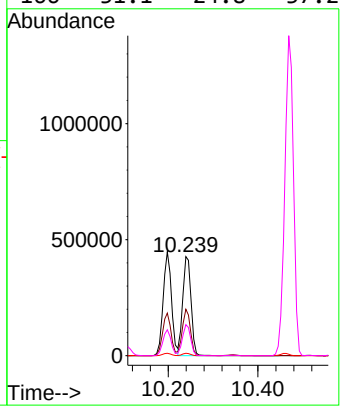


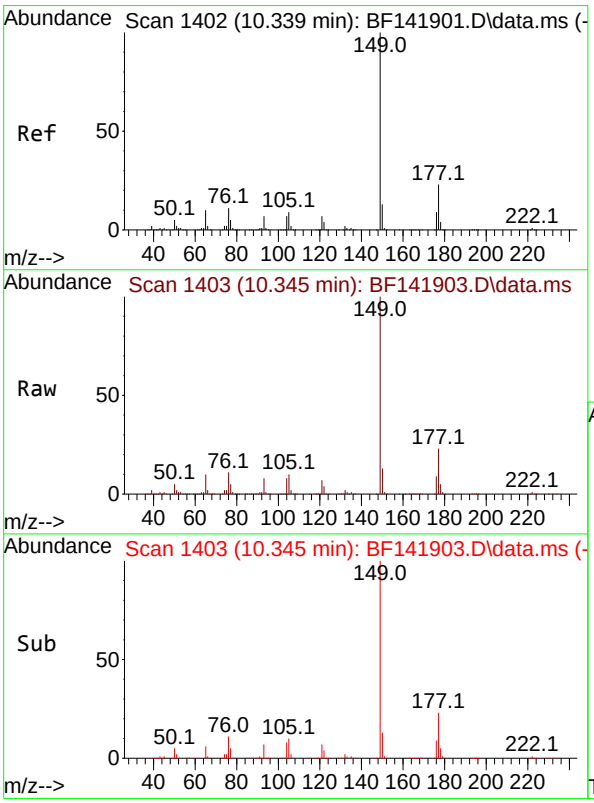
#59
2,3,4,6-Tetrachlorophenol
Concen: 60.002 ng
RT: 10.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 546621

Ion	Ratio	Lower	Upper
232	100		
131	46.3	37.3	55.9
130	2.4	1.9	2.9
166	31.1	24.8	37.2

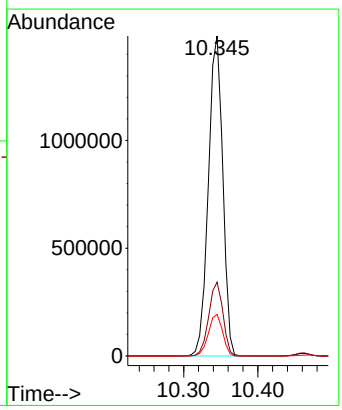


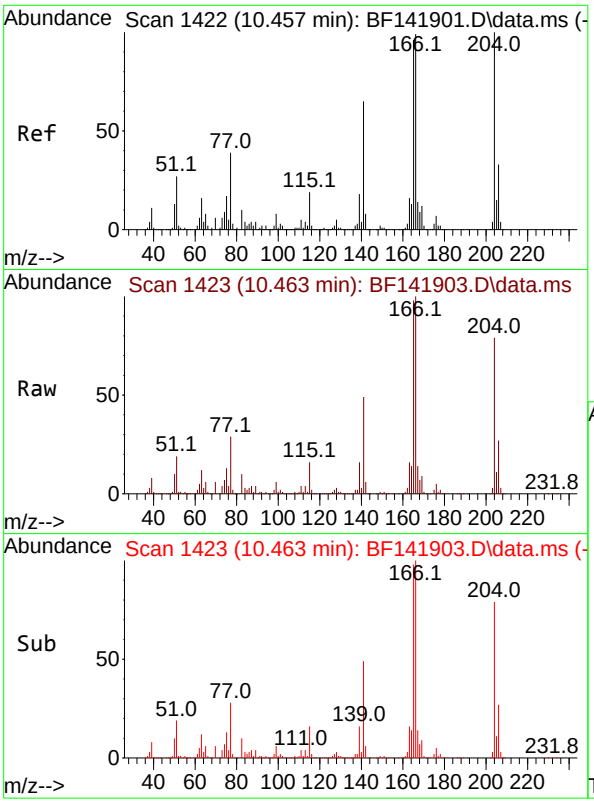


#60
Diethylphthalate
Concen: 57.552 ng
RT: 10.345 min Scan# 1403
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:149 Resp: 1995827

Ion	Ratio	Lower	Upper
149	100		
177	23.0	18.0	27.0
150	13.0	10.2	15.4



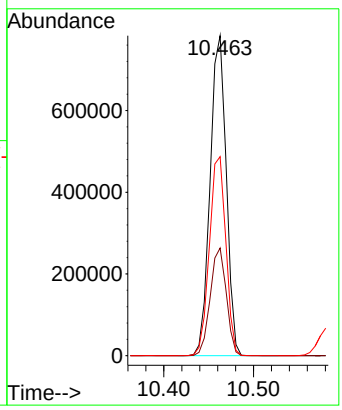


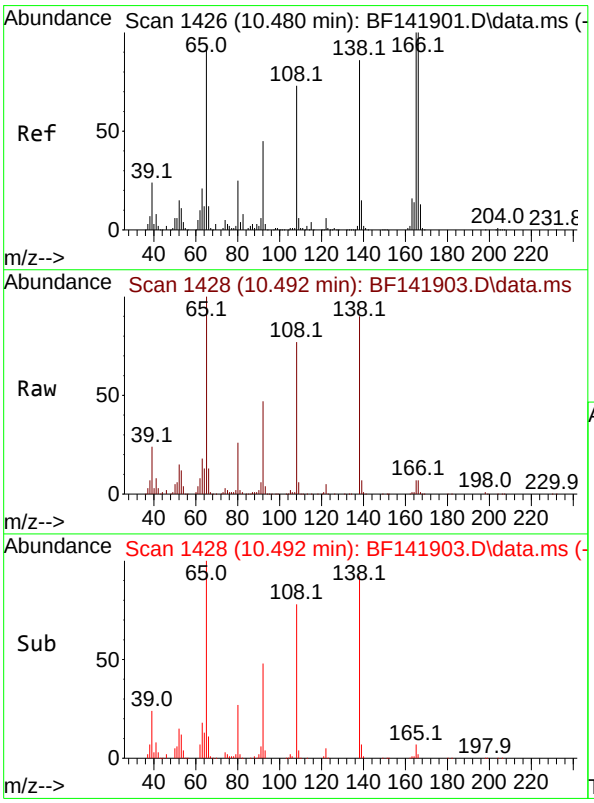
#61
4-Chlorophenyl-phenylether
Concen: 57.993 ng
RT: 10.463 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 977819

Ion	Ratio	Lower	Upper
204	100		
206	33.6	26.8	40.2
141	62.2	52.4	78.6

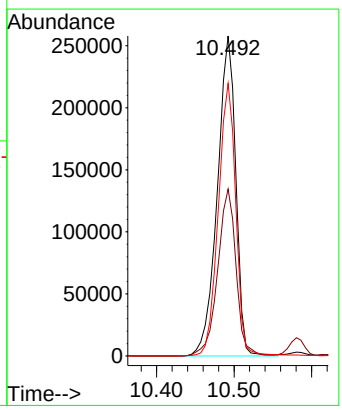


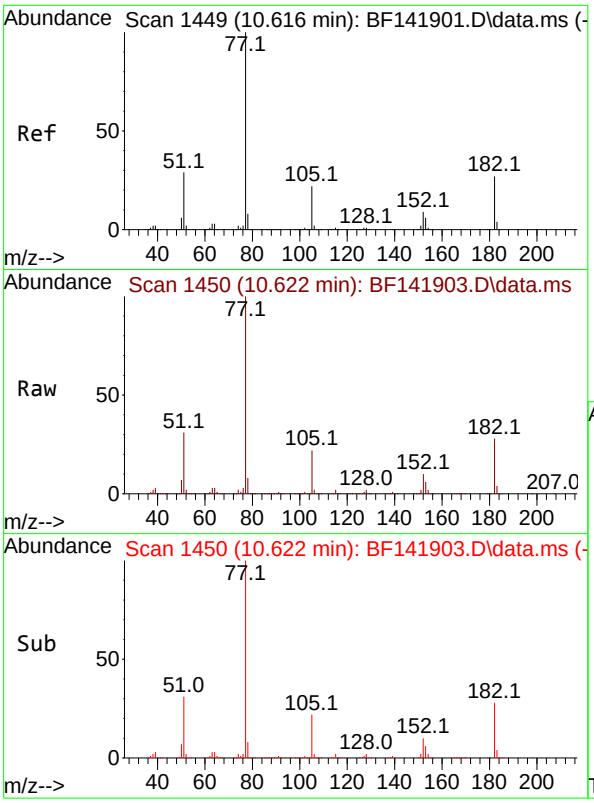


#62
4-Nitroaniline
Concen: 59.702 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:138 Resp: 426741

Ion	Ratio	Lower	Upper
138	100		
92	52.2	32.6	72.6
108	85.2	65.0	105.0



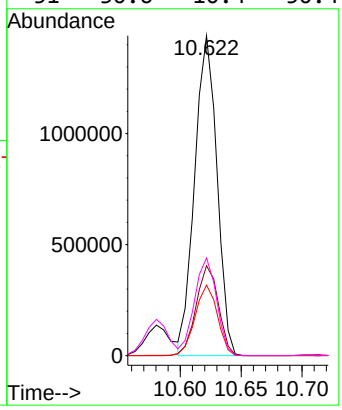


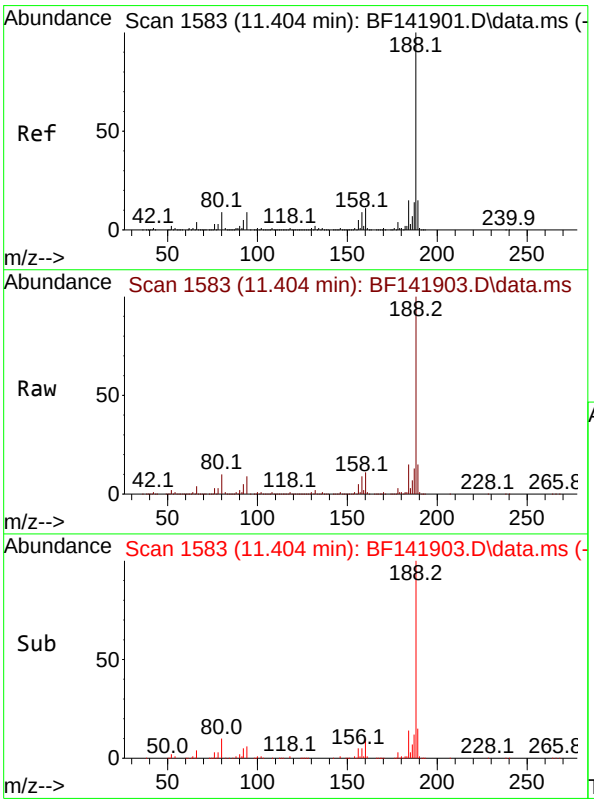
#63
Azobenzene
Concen: 56.784 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 1829282

Ion	Ratio	Lower	Upper
77	100		
182	28.1	6.6	46.6
105	22.0	1.3	41.3
51	30.6	10.4	50.4

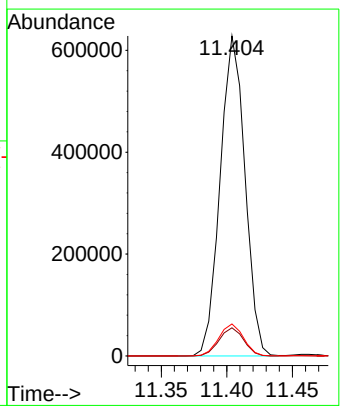


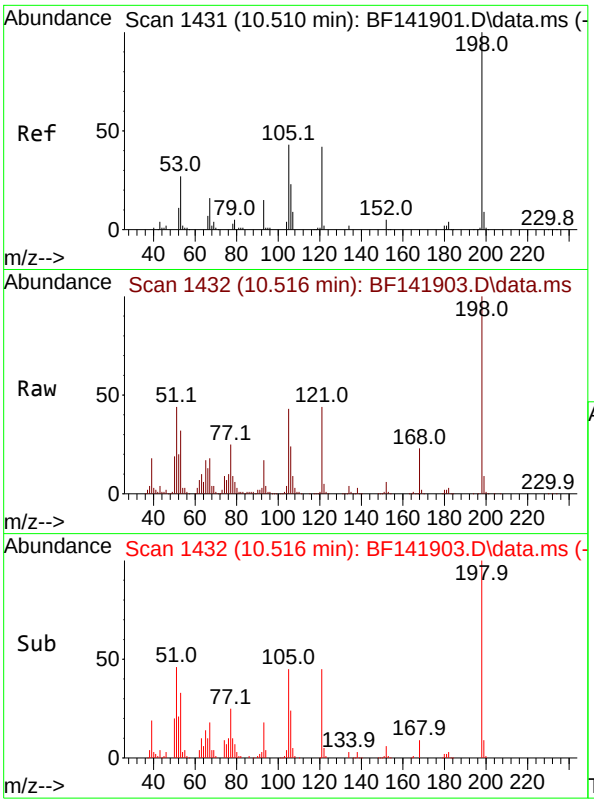


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:188 Resp: 827202

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.8	10.2
80	10.0	7.6	11.4



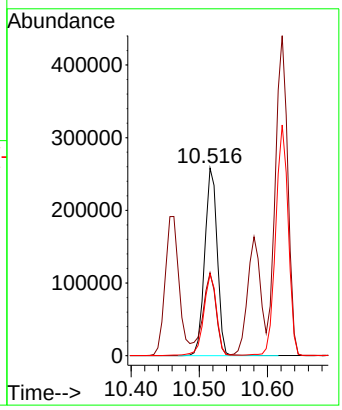


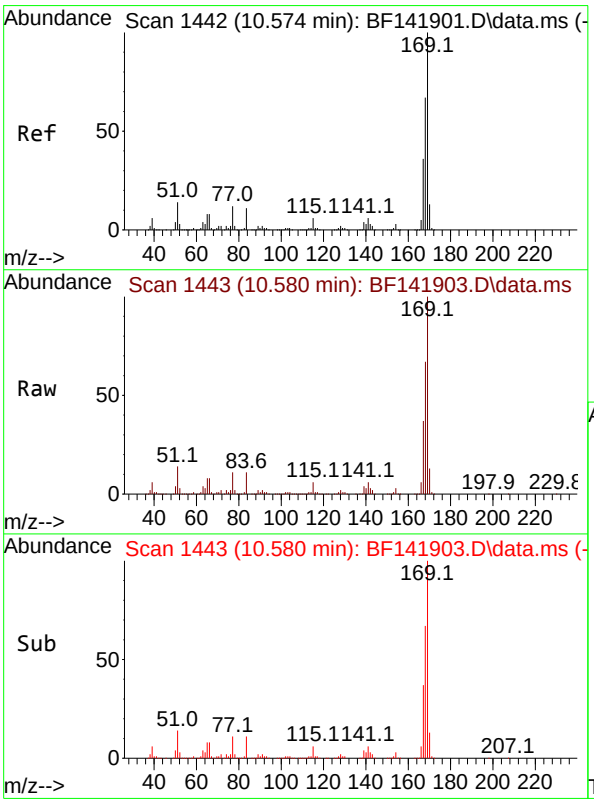
#65
4,6-Dinitro-2-methylphenol
Concen: 67.356 ng
RT: 10.516 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 330315

Ion	Ratio	Lower	Upper
198	100		
51	44.2	22.3	62.3
105	43.4	23.0	63.0

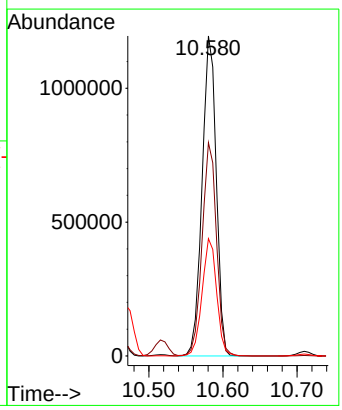


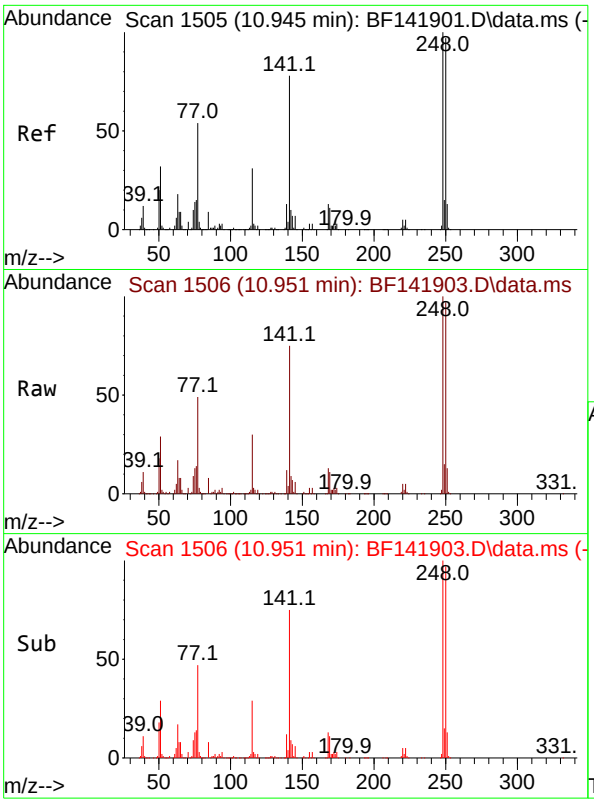


#66
n-Nitrosodiphenylamine
Concen: 59.270 ng
RT: 10.580 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:169 Resp: 1583832

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.7	80.5
167	36.6	29.2	43.8



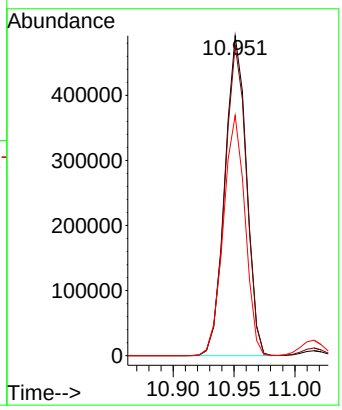


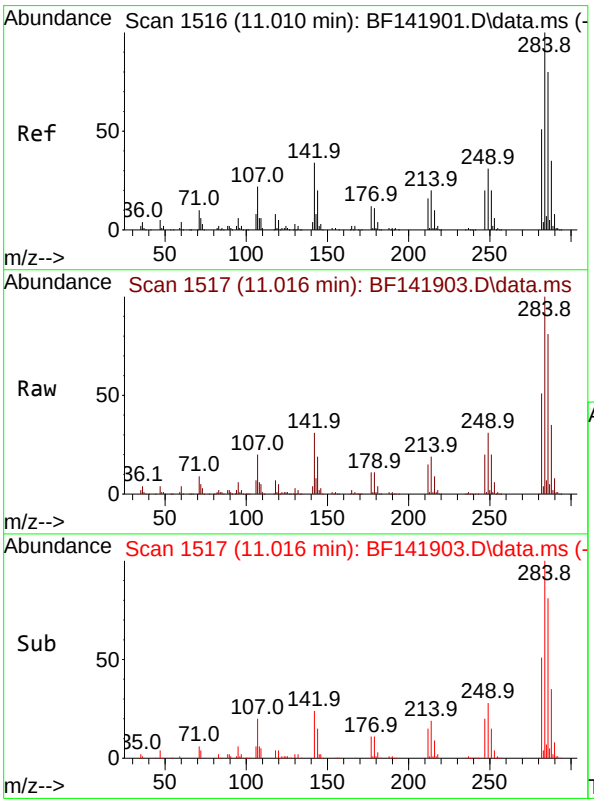
#67
4-Bromophenyl-phenylether
Concen: 59.044 ng
RT: 10.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 608246

Ion	Ratio	Lower	Upper
248	100		
250	97.0	77.8	116.8
141	75.1	62.6	93.8

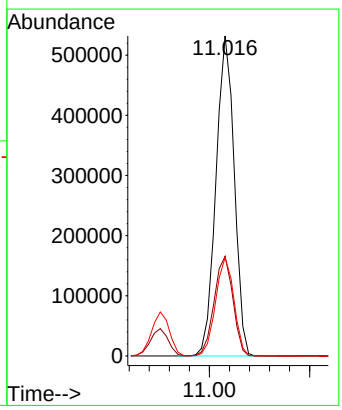


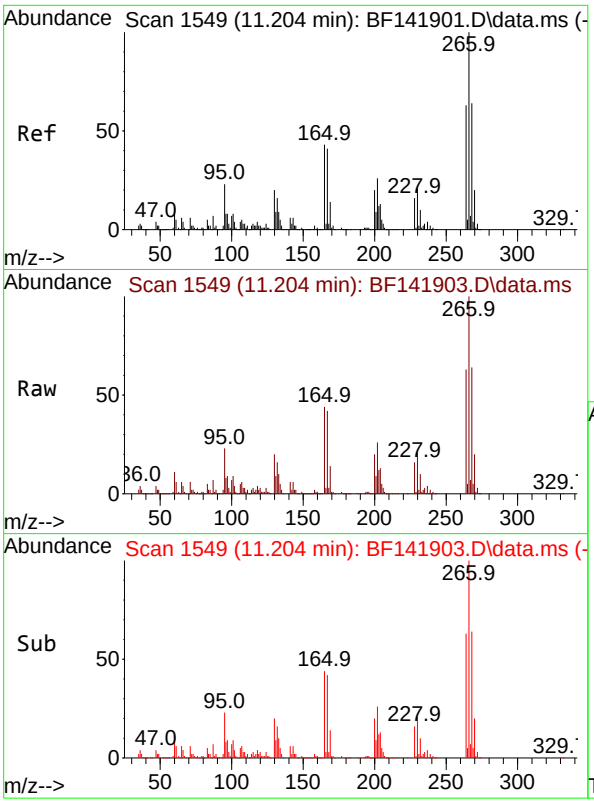


#68
Hexachlorobenzene
Concen: 59.144 ng
RT: 11.016 min Scan# 1517
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:284 Resp: 673465

Ion	Ratio	Lower	Upper
284	100		
142	31.1	27.0	40.6
249	30.8	25.2	37.8



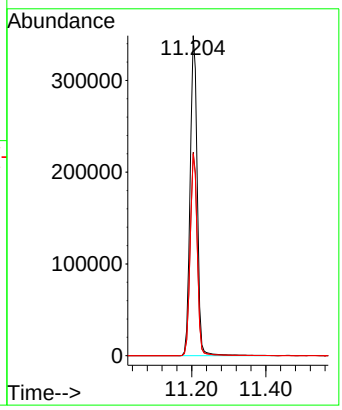


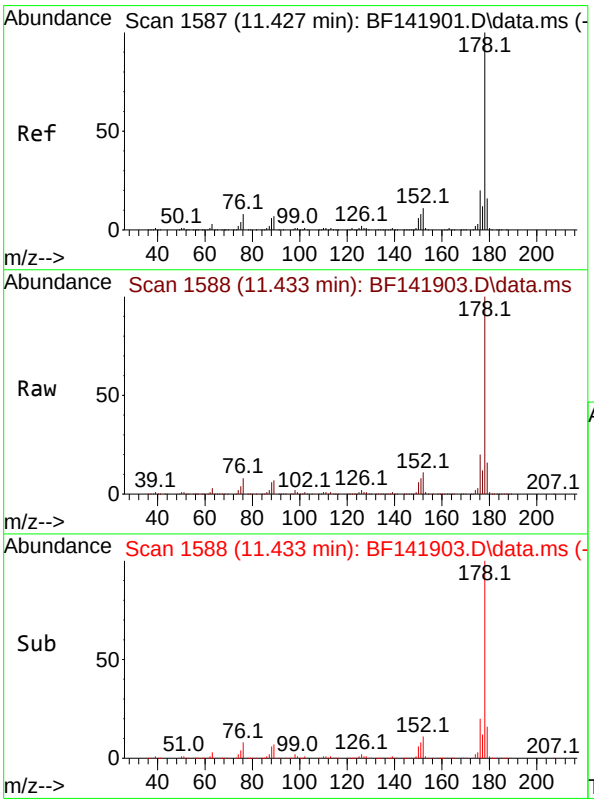
#70
Pentachlorophenol
Concen: 65.893 ng
RT: 11.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:266 Resp: 462709

Ion	Ratio	Lower	Upper
266	100		
268	63.5	51.0	76.6
264	63.1	50.2	75.2

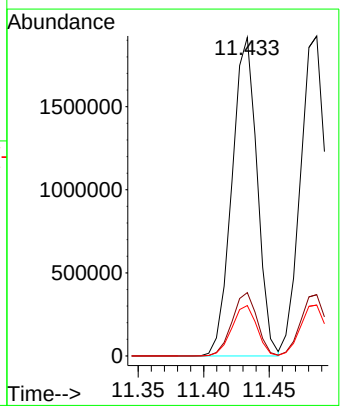


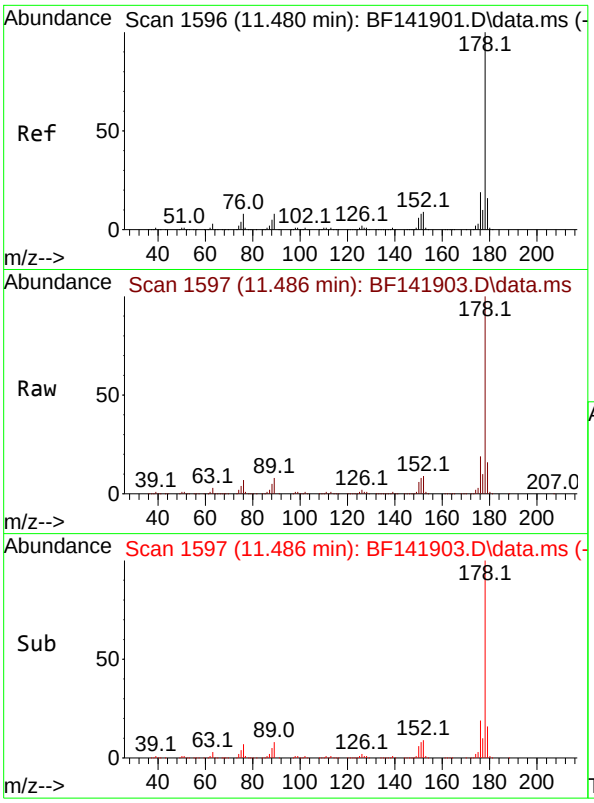


#71
Phenanthrene
Concen: 57.232 ng
RT: 11.433 min Scan# 1588
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:178 Resp: 2560092

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.8	12.6	19.0



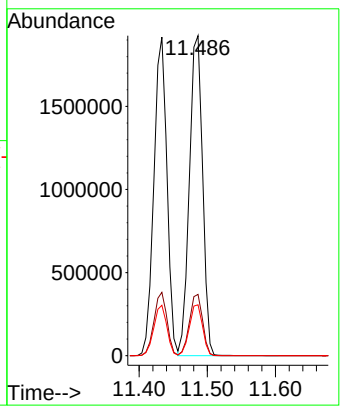


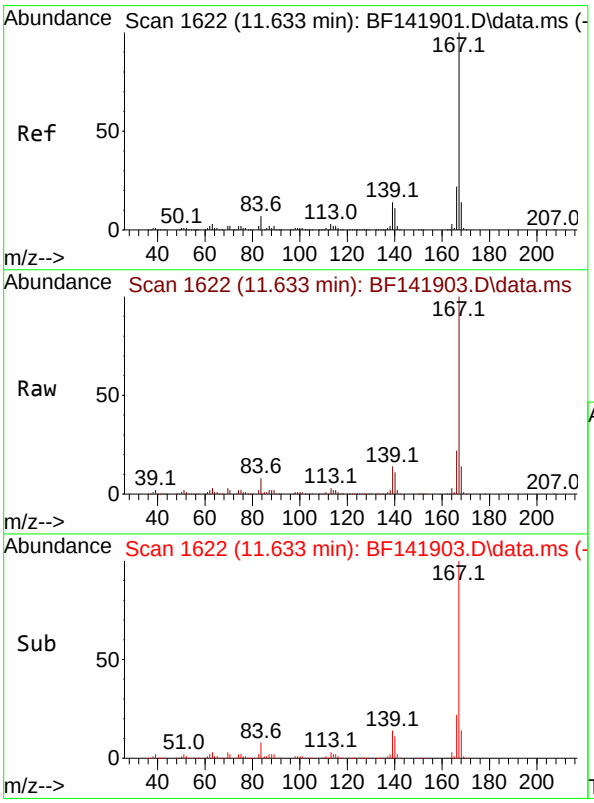
#72
Anthracene
Concen: 57.281 ng
RT: 11.486 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 2570717

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.1	22.7
179	15.9	12.6	19.0

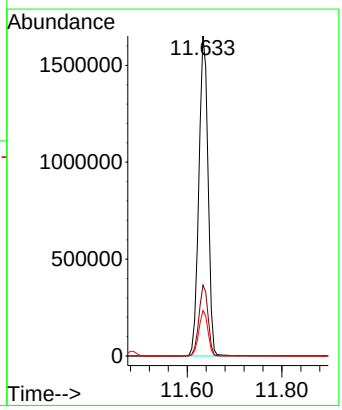


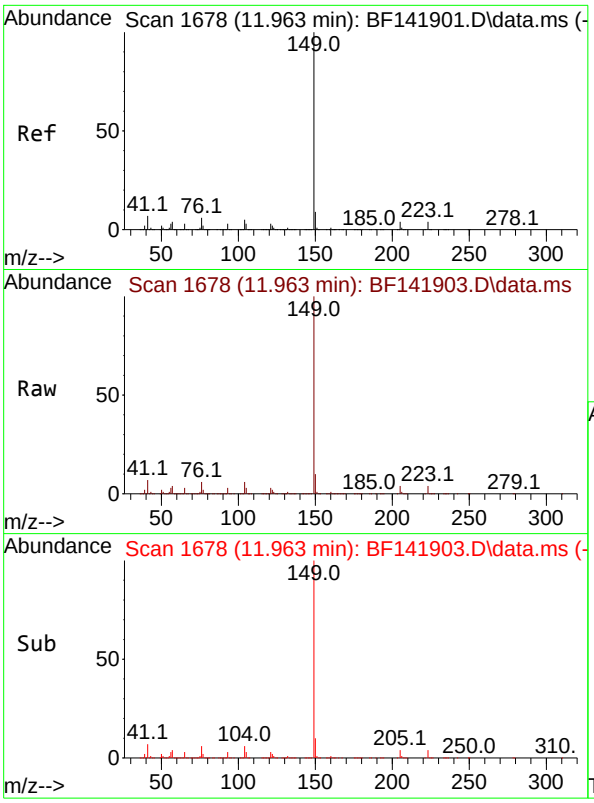


#73
Carbazole
Concen: 57.284 ng
RT: 11.633 min Scan# 1622
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:167 Resp: 2213331

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.4	26.2
139	14.2	11.0	16.6



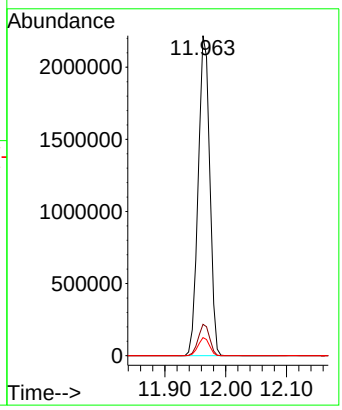


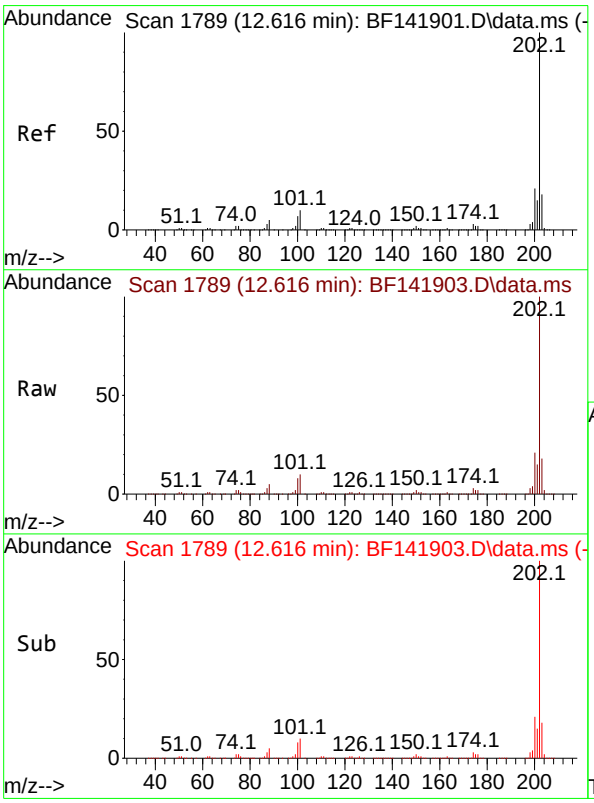
#74
Di-n-butylphthalate
Concen: 57.161 ng
RT: 11.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 2916048

Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.6	11.4
104	5.6	4.4	6.6

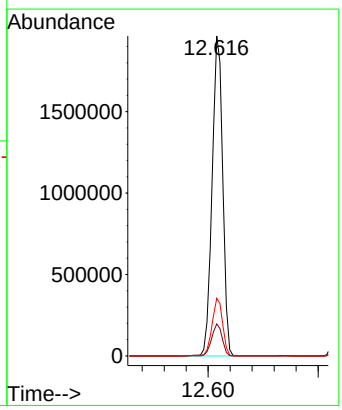


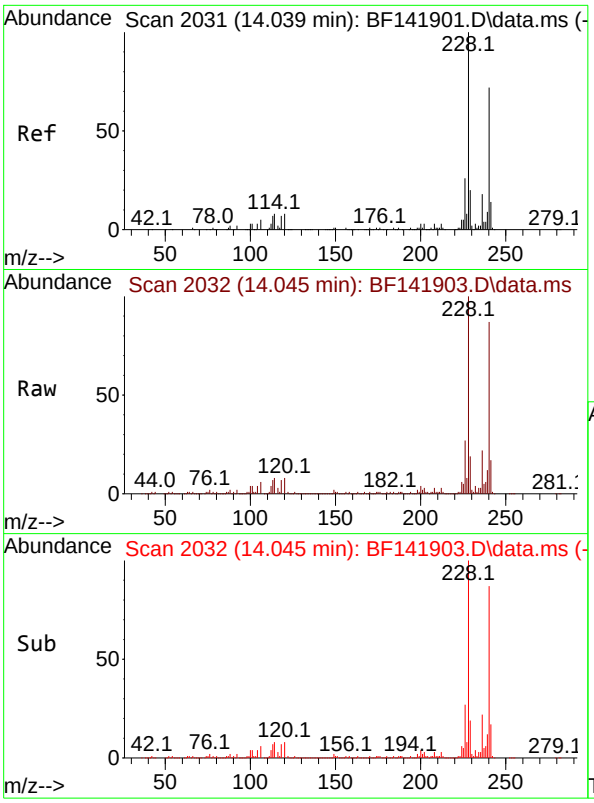


#75
Fluoranthene
Concen: 55.984 ng
RT: 12.616 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:202 Resp: 2628993

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	29.7
203	18.0	0.0	37.8



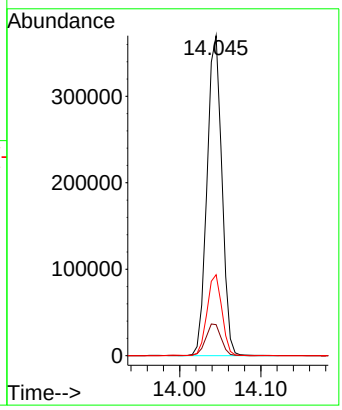


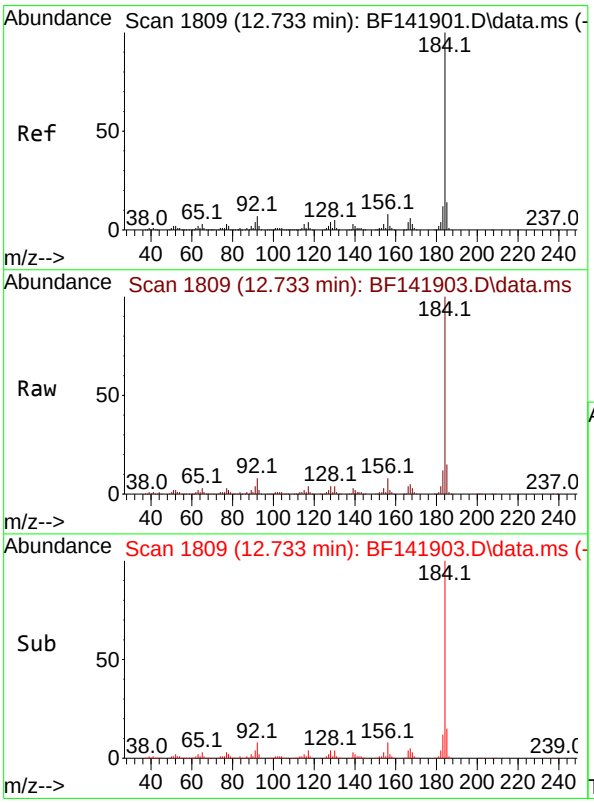
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:240 Resp: 468454

Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.4	12.6
236	25.3	20.5	30.7

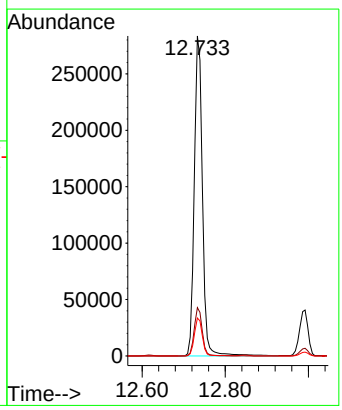


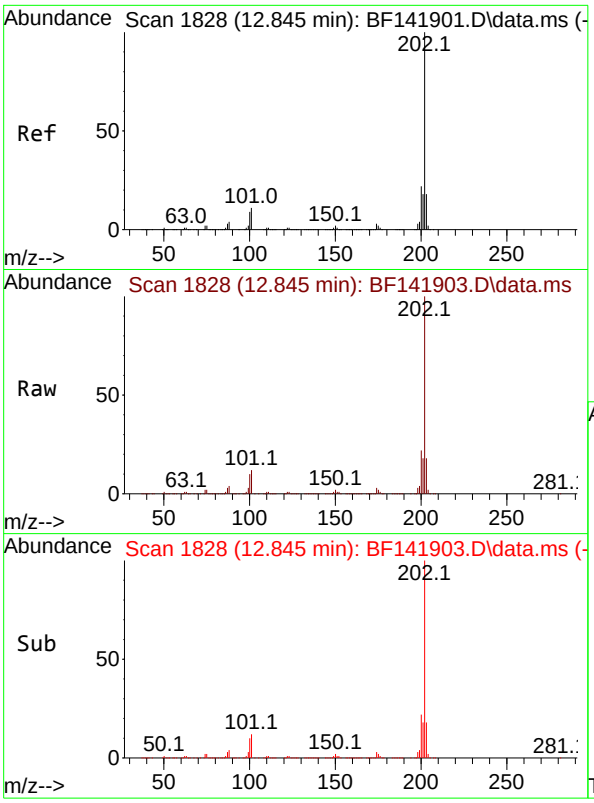


#77
Benzidine
Concen: 58.309 ng
RT: 12.733 min Scan# 1809
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:184 Resp: 386007

Ion	Ratio	Lower	Upper
184	100		
185	15.1	11.5	17.3
183	11.9	9.7	14.5



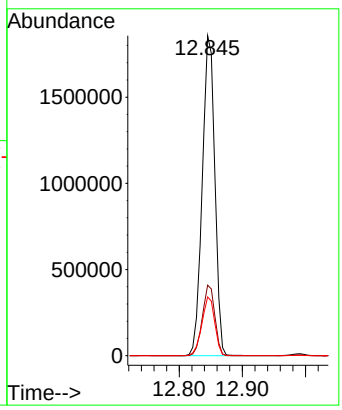


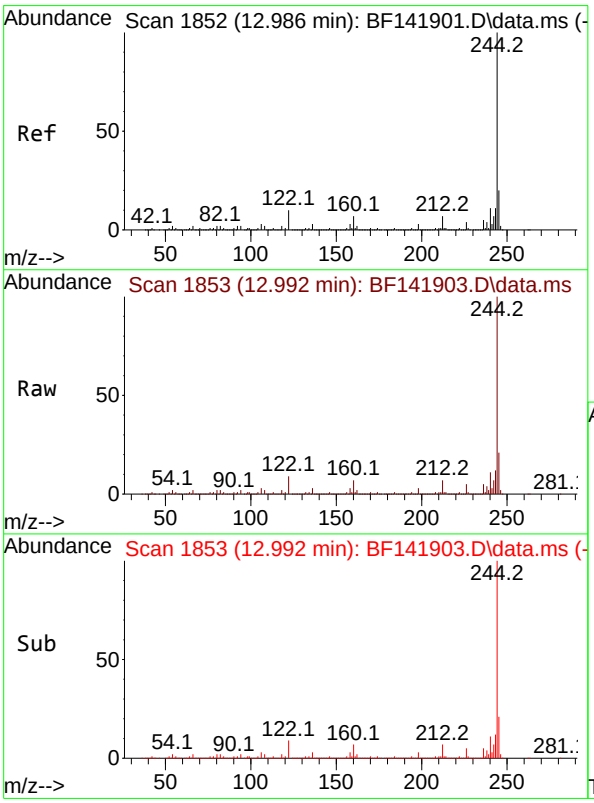
#78
Pyrene
Concen: 63.781 ng
RT: 12.845 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 2562337

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.3	25.9
203	18.4	14.4	21.6

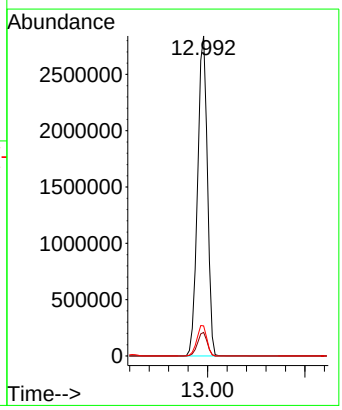


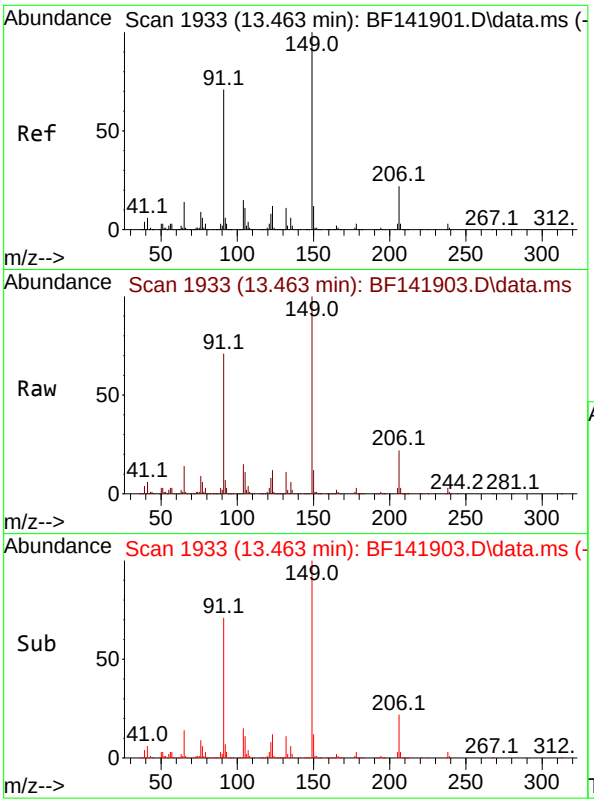


#79
Terphenyl-d14
Concen: 125.675 ng
RT: 12.992 min Scan# 1853
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:244 Resp: 3982780

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	9.4	7.7	11.5



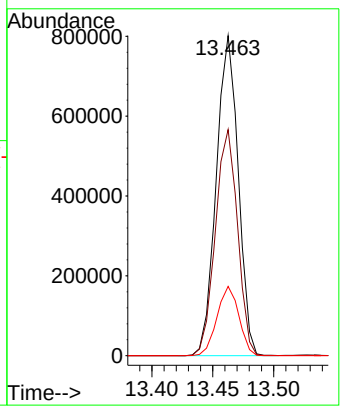


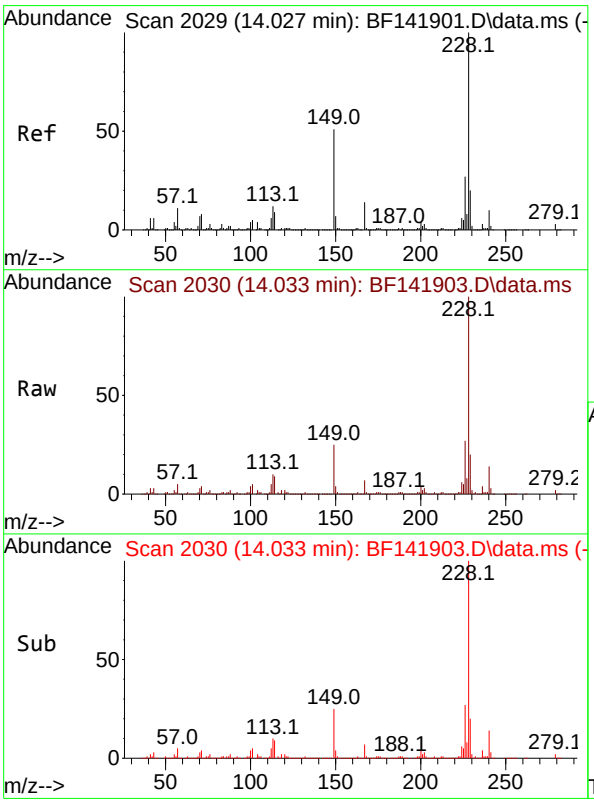
#80
Butylbenzylphthalate
Concen: 63.676 ng
RT: 13.463 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 1008043

Ion	Ratio	Lower	Upper
149	100		
91	70.7	56.5	84.7
206	21.6	17.3	25.9

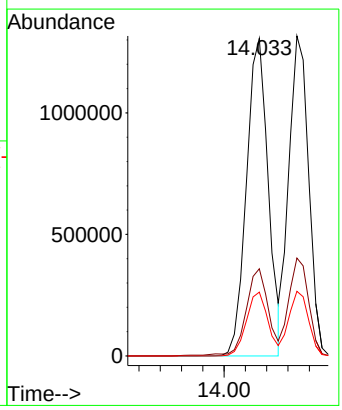


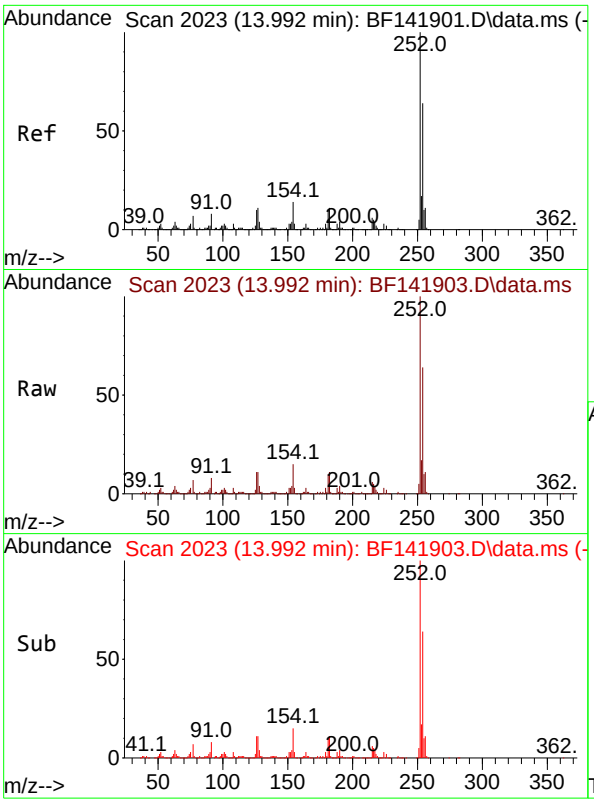


#81
Benzo(a)anthracene
Concen: 60.040 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:228 Resp: 1850347

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	20.1	16.0	24.0



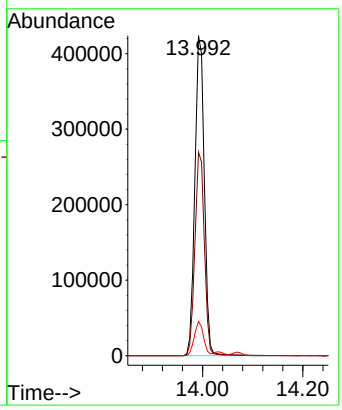


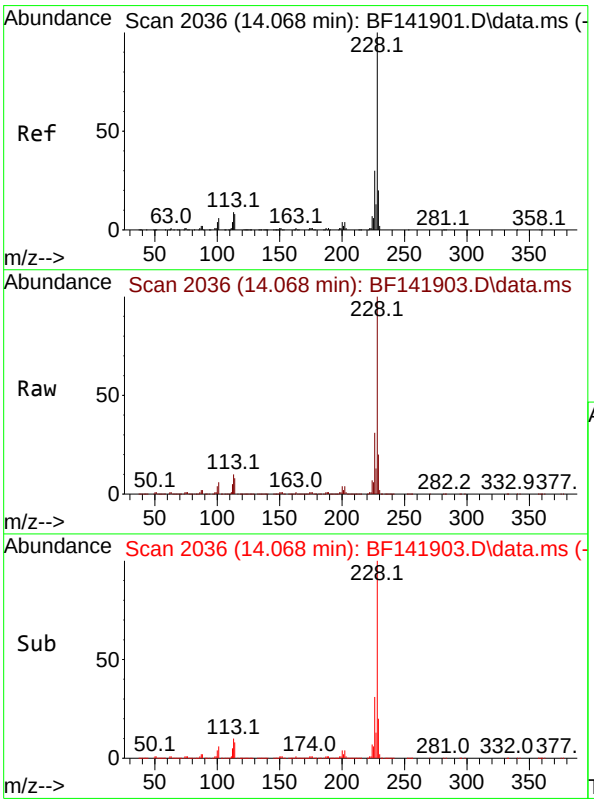
#82
3,3'-Dichlorobenzidine
Concen: 62.091 ng
RT: 13.992 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 553078

Ion	Ratio	Lower	Upper
252	100		
254	63.6	51.0	76.6
126	10.7	8.4	12.6

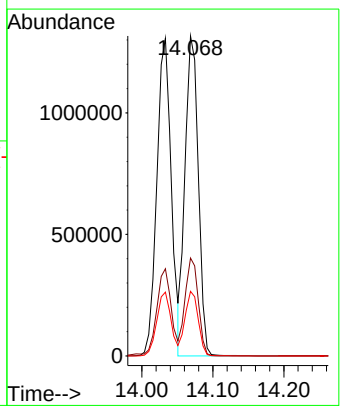


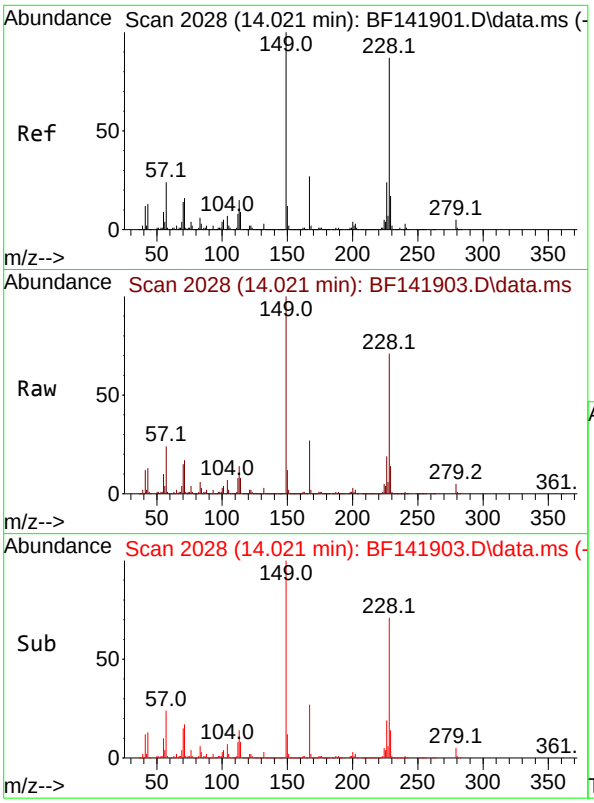


#83
Chrysene
Concen: 61.596 ng
RT: 14.068 min Scan# 2036
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:228 Resp: 1705257

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.1	36.1
229	20.2	15.7	23.5



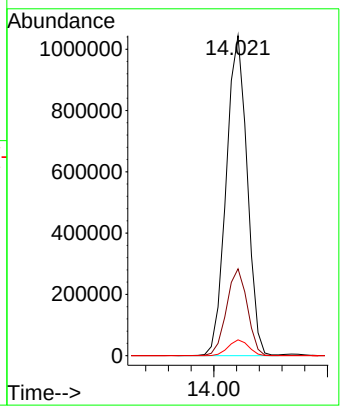


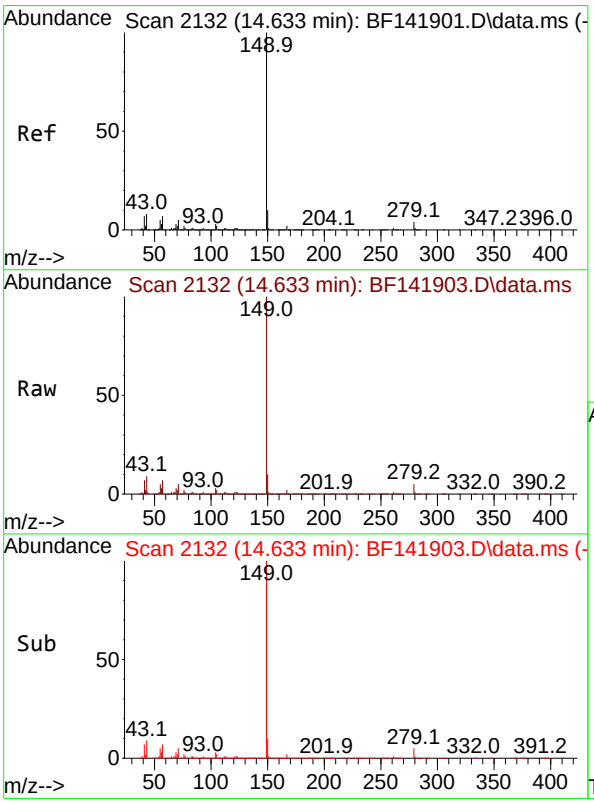
#84
Bis(2-ethylhexyl)phthalate
Concen: 61.582 ng
RT: 14.021 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 1337474

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.4	32.0
279	4.9	3.8	5.6

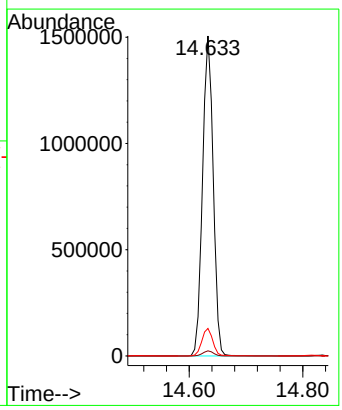


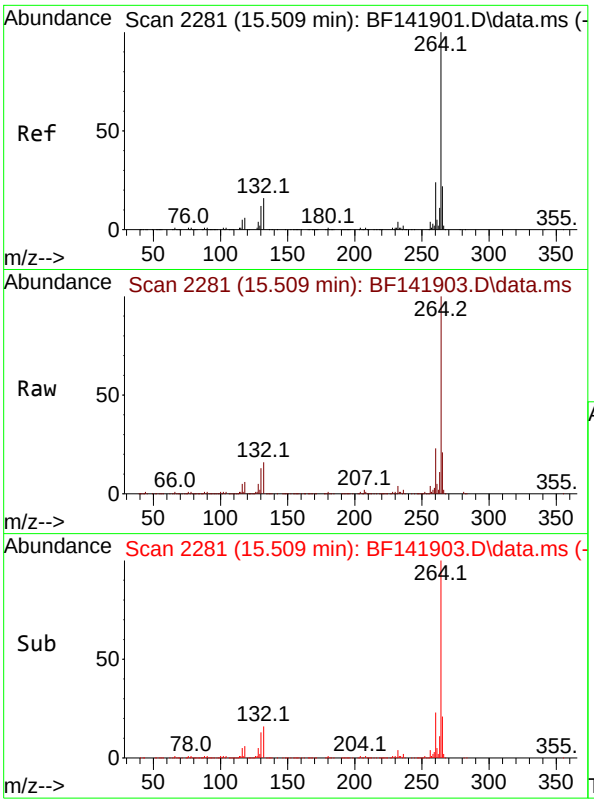


#85
Di-n-octyl phthalate
Concen: 64.613 ng
RT: 14.633 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:149 Resp: 1953184

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.9	6.9	10.3



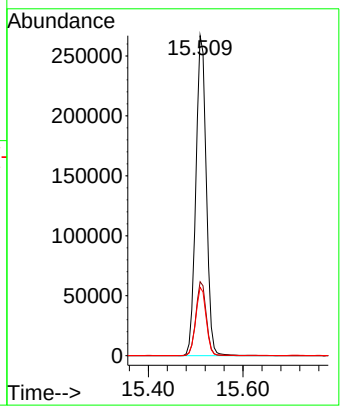


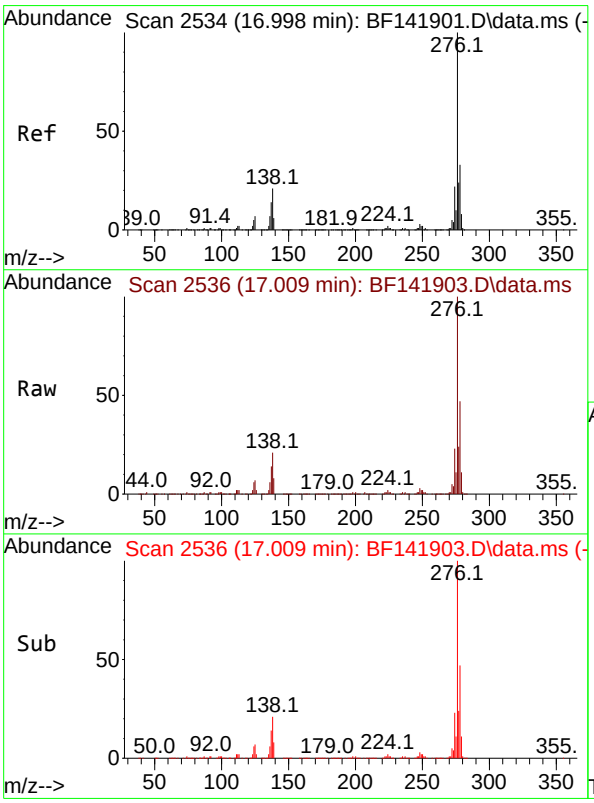
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:264 Resp: 407346

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.1	28.7
265	21.4	17.5	26.3

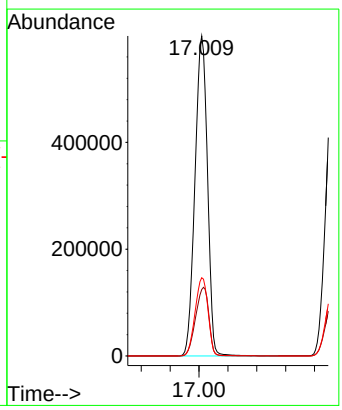


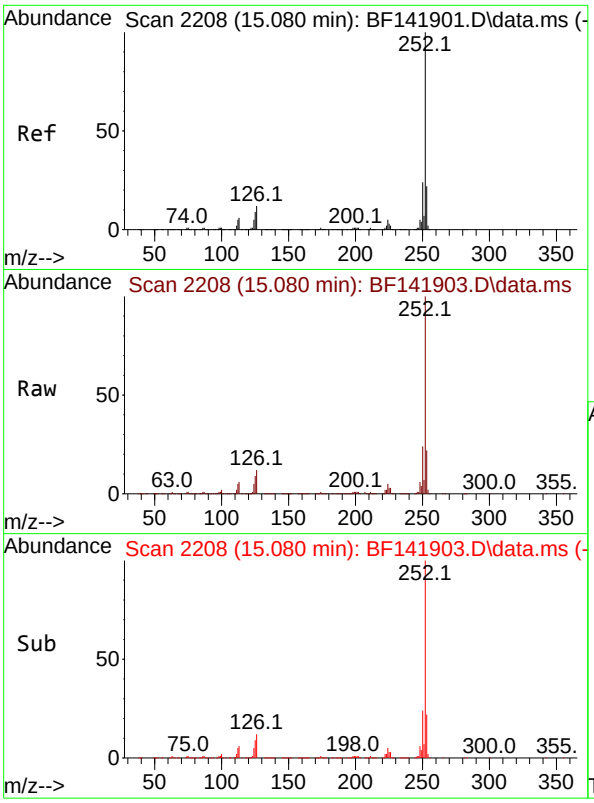


#87
Indeno(1,2,3-cd)pyrene
Concen: 68.115 ng
RT: 17.009 min Scan# 2536
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:276 Resp: 1799372

Ion	Ratio	Lower	Upper
276	100		
138	22.7	18.4	27.6
277	25.2	20.3	30.5



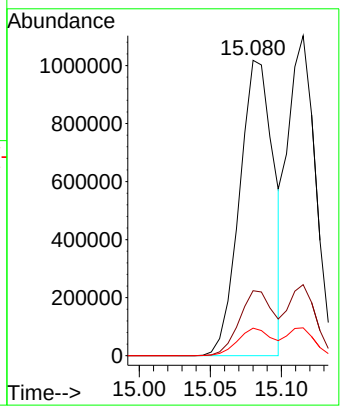


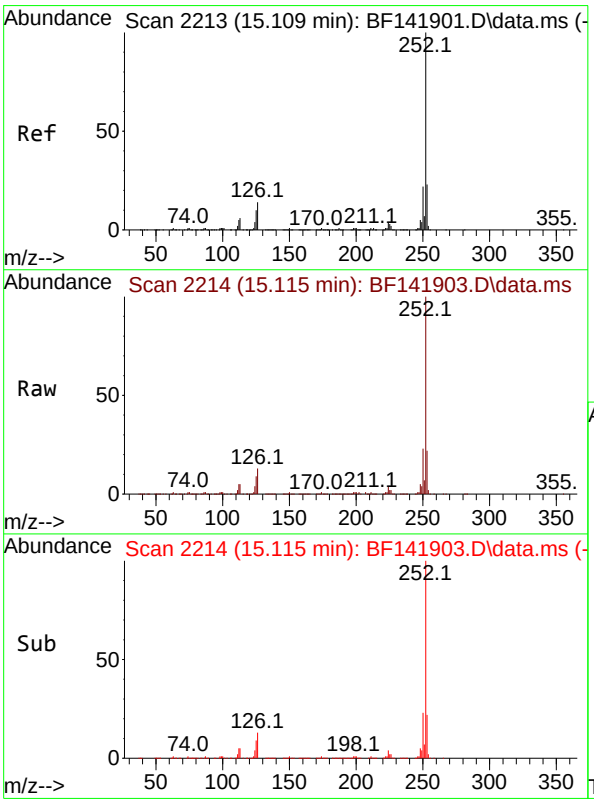
#88
Benzo(b)fluoranthene
Concen: 61.481 ng
RT: 15.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 1698744

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	9.3	7.0	10.4

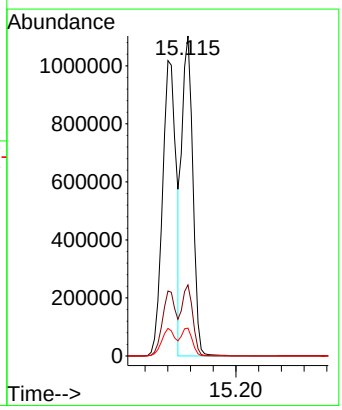


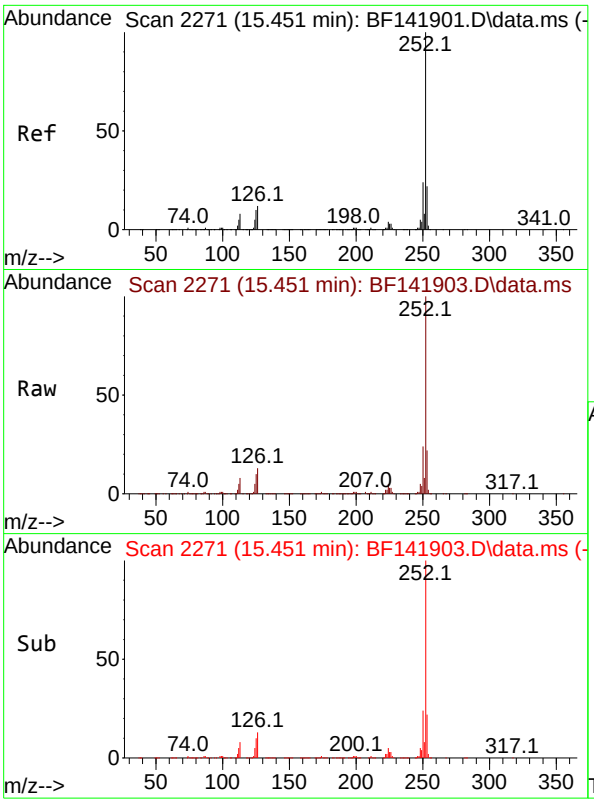


#89
Benzo(k)fluoranthene
Concen: 61.253 ng
RT: 15.115 min Scan# 2214
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:252 Resp: 1478389

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	8.7	7.2	10.8



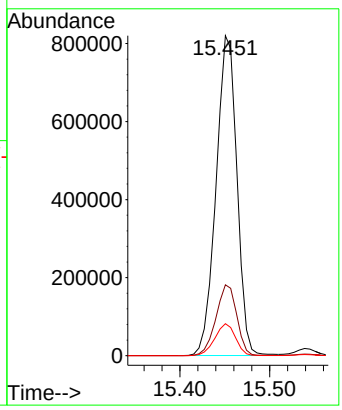


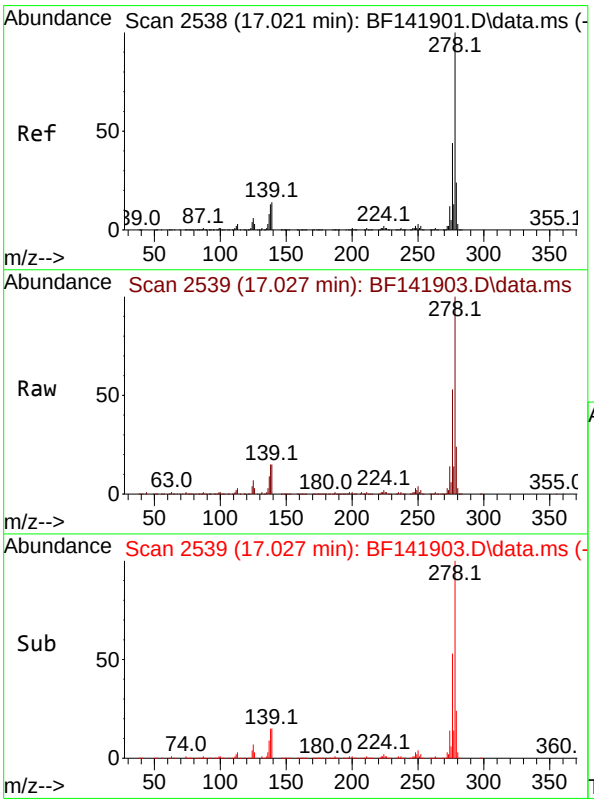
#90
Benzo(a)pyrene
Concen: 60.747 ng
RT: 15.451 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 1323726

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	10.0	7.8	11.8

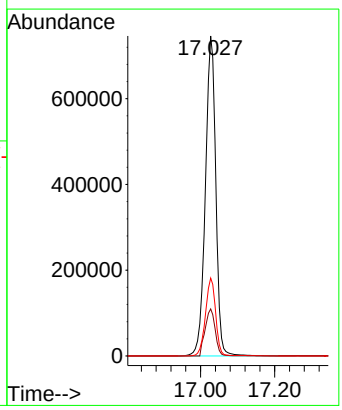


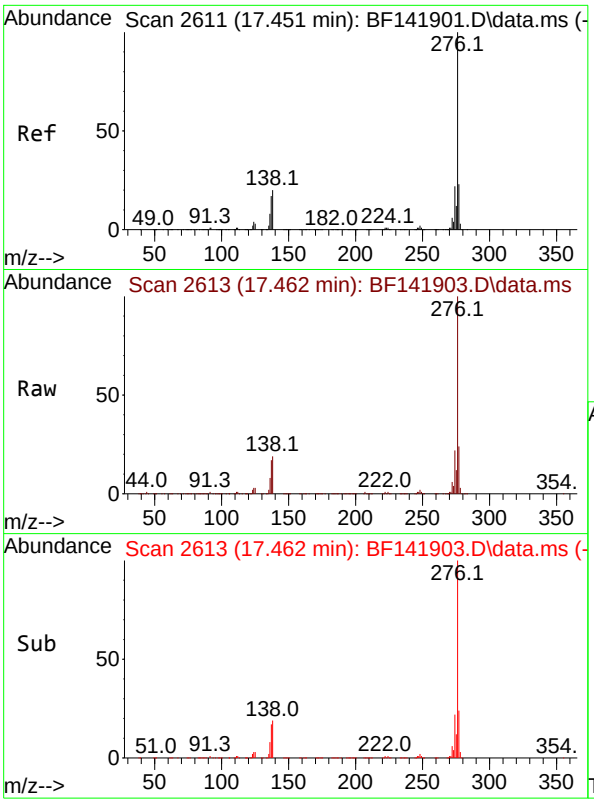


#91
Dibenzo(a,h)anthracene
Concen: 66.981 ng
RT: 17.027 min Scan# 2539
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:278 Resp: 1459934

Ion	Ratio	Lower	Upper
278	100		
139	14.7	11.4	17.2
279	24.3	18.8	28.2



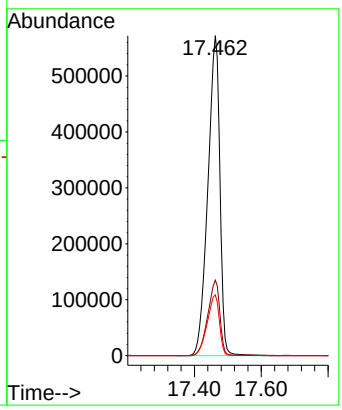


#92
Benzo(g,h,i)perylene
Concen: 65.942 ng
RT: 17.462 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 1425582

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.7	28.1
138	19.0	15.8	23.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141904.D
Acq On : 10 Mar 2025 14:27
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Mar 10 15:37:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.887	152	214737	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	826030	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	452864	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	738472	20.000	ng		0.00
76) Chrysene-d12	14.045	240	424370	20.000	ng		0.00
86) Perylene-d12	15.510	264	391768	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	1930406	149.991	ng		0.00
7) Phenol-d6	6.522	99	2446183	149.235	ng		0.02
23) Nitrobenzene-d5	7.457	82	2335417	158.463	ng		0.01
42) 2,4,6-Tribromophenol	10.716	330	986206	171.858	ng		0.01
45) 2-Fluorobiphenyl	9.245	172	4513418	151.763	ng		0.00
79) Terphenyl-d14	12.992	244	4700026	163.713	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.669	88	436007	80.831	ng		98
3) Pyridine	3.440	79	1059473	79.923	ng		99
4) n-Nitrosodimethylamine	3.416	42	521442	82.752	ng		99
6) Aniline	6.563	93	1160437	71.712	ng		99
8) 2-Chlorophenol	6.675	128	1078659	75.616	ng		98
10) Phenol	6.534	94	1285145	74.308	ng		89
11) bis(2-Chloroethyl)ether	6.628	93	968280	74.725	ng		99
12) 1,3-Dichlorobenzene	6.828	146	1173924	76.153	ng		100
13) 1,4-Dichlorobenzene	6.904	146	1181975	75.784	ng		99
14) 1,2-Dichlorobenzene	7.063	146	1093316	74.440	ng		99
15) Benzyl Alcohol	7.034	79	1013314	76.376	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.163	45	1127534	72.198	ng		98
17) 2-Methylphenol	7.134	107	876665	77.326	ng		98
18) Hexachloroethane	7.398	117	448765	76.745	ng		96
19) n-Nitroso-di-n-propyla...	7.316	70	783318	74.351	ng		100
20) 3+4-Methylphenols	7.298	107	1050191	72.219	ng	#	84
22) Acetophenone	7.304	105	1496035	75.498	ng	#	95
24) Nitrobenzene	7.475	77	1162753	79.572	ng		100
25) Isophorone	7.722	82	2056405	79.032	ng		100
26) 2-Nitrophenol	7.787	139	599261	83.688	ng		99
27) 2,4-Dimethylphenol	7.822	122	767514	77.821	ng		99
28) bis(2-Chloroethoxy)met...	7.916	93	1248549	76.598	ng		100
29) 2,4-Dichlorophenol	8.028	162	971886	79.403	ng		99
30) 1,2,4-Trichlorobenzene	8.110	180	1062793	78.705	ng		99
31) Naphthalene	8.192	128	3152444	74.497	ng		99
32) Benzoic acid	7.975	122	795850	92.323	ng		98
33) 4-Chloroaniline	8.239	127	1088546	72.896	ng		100
34) Hexachlorobutadiene	8.304	225	713827	81.299	ng		99
35) Caprolactam	8.639	113	311758m	83.763	ng		
36) 4-Chloro-3-methylphenol	8.716	107	1056917	77.644	ng		99
37) 2-Methylnaphthalene	8.881	142	2129990	75.023	ng		100
38) 1-Methylnaphthalene	8.981	142	2050191	74.568	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	1127671	81.667	ng		98
41) Hexachlorocyclopentadiene	9.028	237	463300	85.031	ng		99
43) 2,4,6-Trichlorophenol	9.157	196	741710	82.399	ng		100
44) 2,4,5-Trichlorophenol	9.198	196	736926	80.579	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141904.D
Acq On : 10 Mar 2025 14:27
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Mar 10 15:37:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.345	154	2626697	76.503	ng		99
47) 2-Chloronaphthalene	9.369	162	1992242	77.859	ng		99
48) 2-Nitroaniline	9.463	65	597778	81.326	ng		98
49) Acenaphthylene	9.786	152	2878496	75.877	ng		99
50) Dimethylphthalate	9.657	163	2428843	77.192	ng		100
51) 2,6-Dinitrotoluene	9.710	165	529139	80.867	ng		99
52) Acenaphthene	9.957	154	2085941	77.872	ng		99
53) 3-Nitroaniline	9.881	138	526980	78.435	ng		100
54) 2,4-Dinitrophenol	9.981	184	305399	81.479	ng	#	55
55) Dibenzofuran	10.128	168	2844432	74.474	ng		99
56) 4-Nitrophenol	10.033	139	416153	82.456	ng		97
57) 2,4-Dinitrotoluene	10.116	165	681278	79.099	ng		95
58) Fluorene	10.475	166	2210653	74.974	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	668027	80.507	ng		99
60) Diethylphthalate	10.345	149	2358921	74.681	ng		99
61) 4-Chlorophenyl-phenyle...	10.463	204	1209021	78.724	ng		97
62) 4-Nitroaniline	10.504	138	502894	77.243	ng		98
63) Azobenzene	10.622	77	2168742	73.911	ng		99
65) 4,6-Dinitro-2-methylph...	10.522	198	404505	92.396	ng		98
66) n-Nitrosodiphenylamine	10.586	169	1882098	78.895	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	774645	84.232	ng		95
68) Hexachlorobenzene	11.016	284	862357	84.832	ng		97
70) Pentachlorophenol	11.210	266	563030	89.813	ng		100
71) Phenanthrene	11.433	178	3020950	75.649	ng		99
72) Anthracene	11.486	178	3031014	75.653	ng		99
73) Carbazole	11.639	167	2552563	74.002	ng		98
74) Di-n-butylphthalate	11.969	149	3342776	73.399	ng		99
75) Fluoranthene	12.622	202	3005566	71.694	ng		99
77) Benzidine	12.733	184	427770	71.330	ng		99
78) Pyrene	12.851	202	2930115	80.513	ng		99
80) Butylbenzylphthalate	13.463	149	1149989	80.189	ng		99
81) Benzo(a)anthracene	14.033	228	2196935	78.692	ng		100
82) 3,3'-Dichlorobenzidine	13.998	252	652678	80.884	ng		99
83) Chrysene	14.074	228	2018832	80.498	ng		99
84) Bis(2-ethylhexyl)phtha...	14.021	149	1573231	79.962	ng		98
85) Di-n-octyl phthalate	14.633	149	2310836	84.386	ng		100
87) Indeno(1,2,3-cd)pyrene	17.009	276	2238588	88.111	ng		99
88) Benzo(b)fluoranthene	15.086	252	2246428	84.536	ng		99
89) Benzo(k)fluoranthene	15.116	252	1631675	70.292	ng		99
90) Benzo(a)pyrene	15.457	252	1725632	82.339	ng		100
91) Dibenzo(a,h)anthracene	17.033	278	1846778	88.098	ng		99
92) Benzo(g,h,i)perylene	17.468	276	1828662	87.950	ng		99

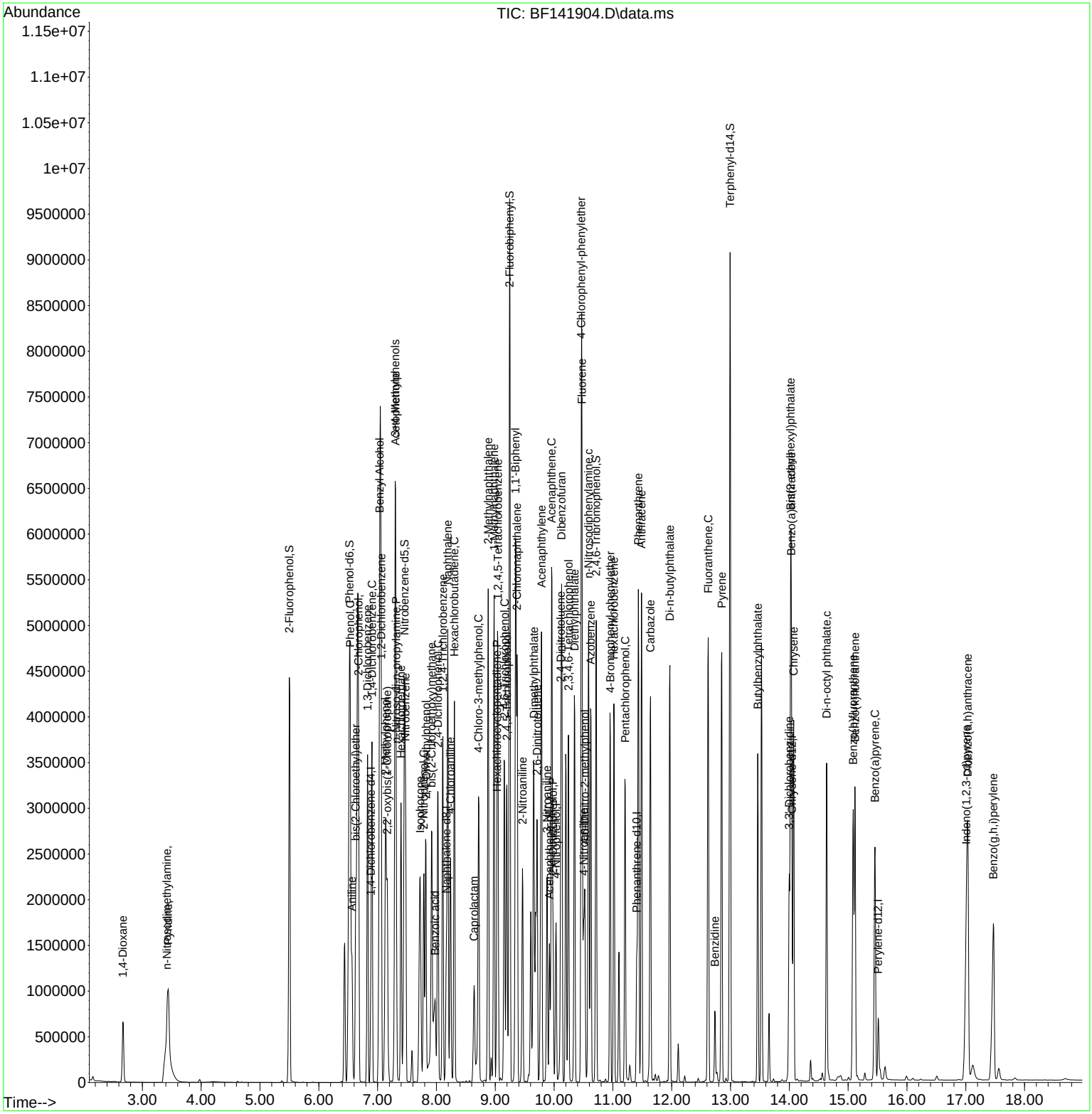
(#) = qualifier out of range (m) = manual integration (+) = signals summed

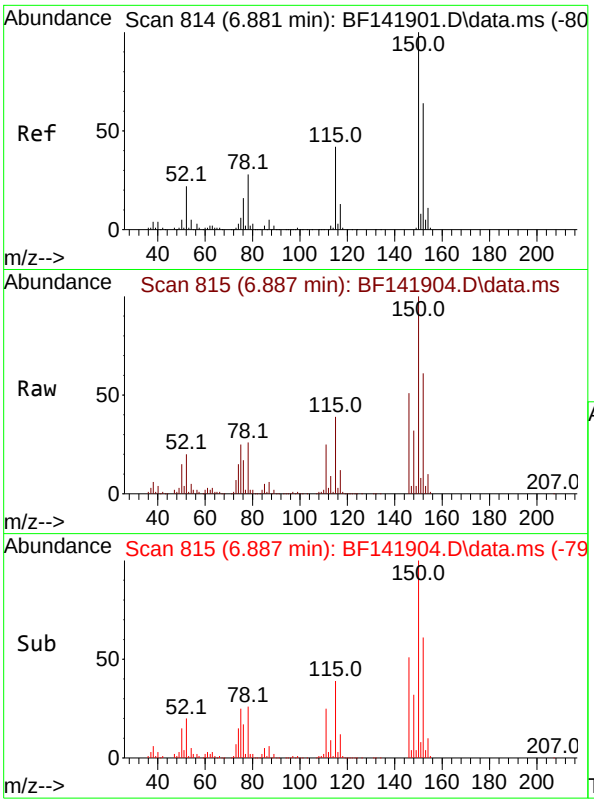
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141904.D
Acq On : 10 Mar 2025 14:27
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Mar 10 15:37:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



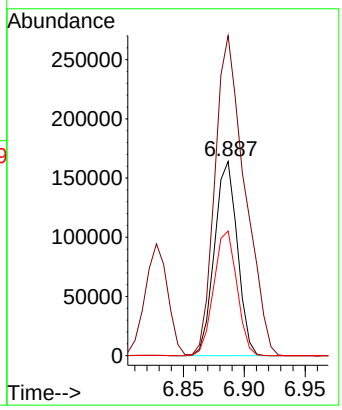


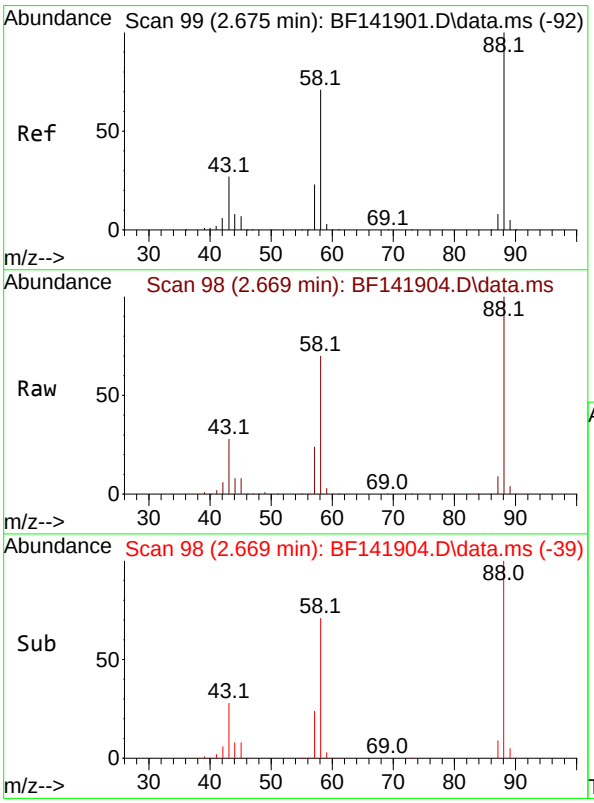
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 214737

Ion	Ratio	Lower	Upper
152	100		
150	164.7	127.4	191.2
115	64.2	51.9	77.9

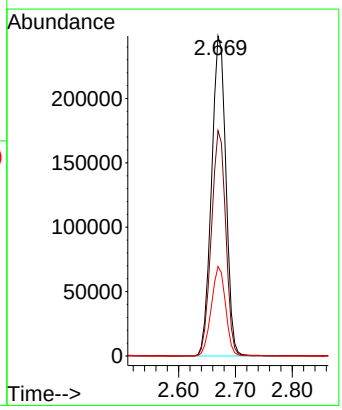


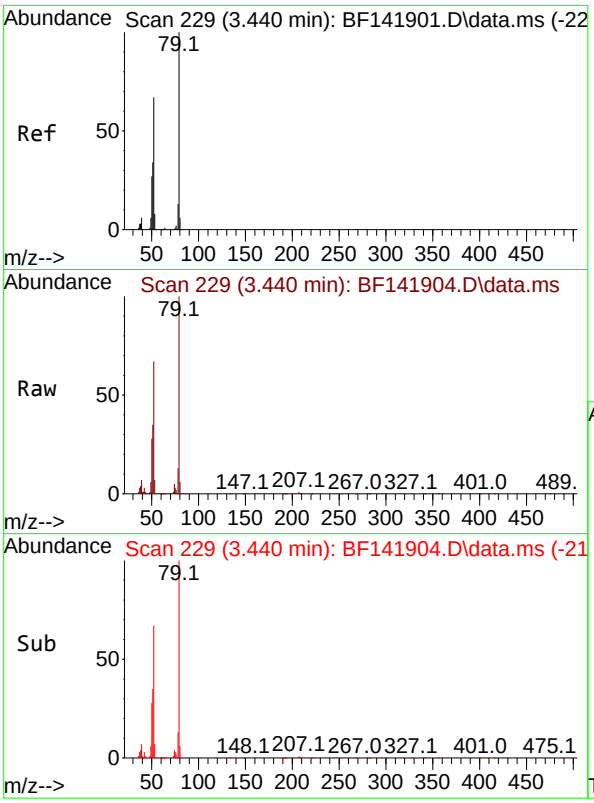


#2
1,4-Dioxane
Concen: 80.831 ng
RT: 2.669 min Scan# 98
Delta R.T. -0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 88 Resp: 436007

Ion	Ratio	Lower	Upper
88	100		
58	70.3	57.4	86.2
43	27.6	21.5	32.3



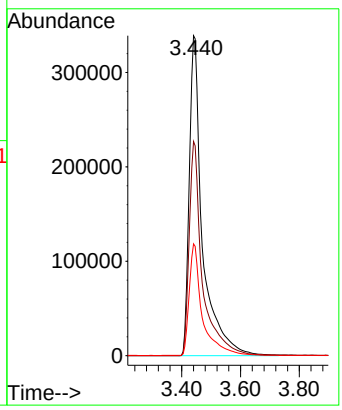


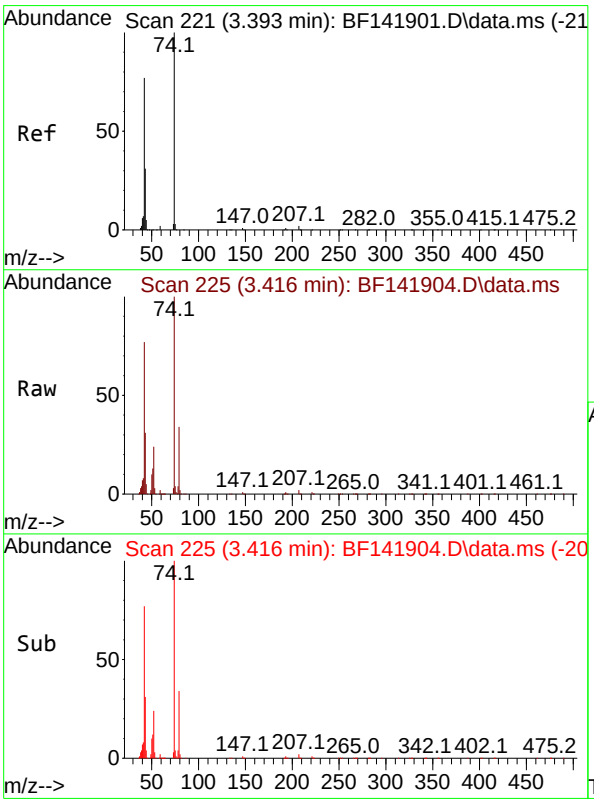
#3
Pyridine
Concen: 79.923 ng
RT: 3.440 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1059473

Ion	Ratio	Lower	Upper
79	100		
52	66.9	53.3	79.9
51	35.0	27.6	41.4

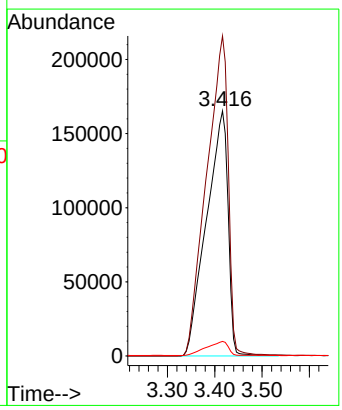


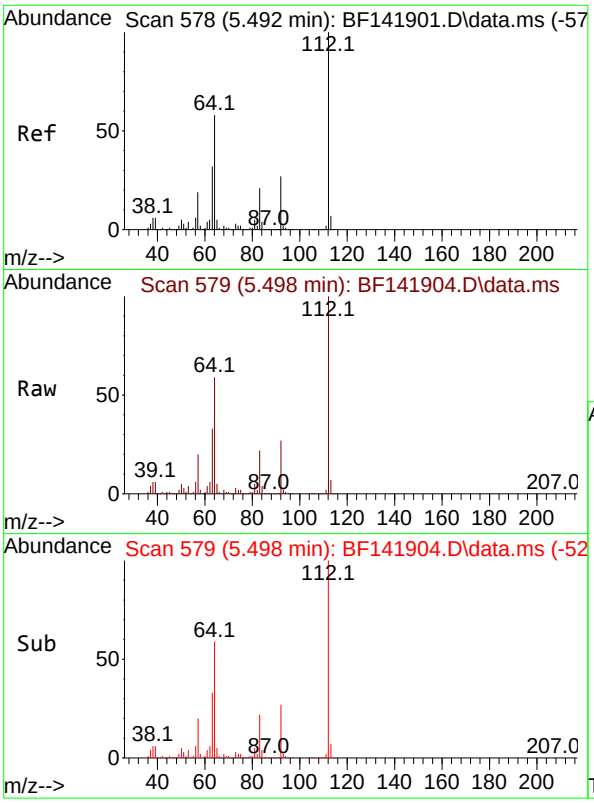


#4
n-Nitrosodimethylamine
Concen: 82.752 ng
RT: 3.416 min Scan# 225
Delta R.T. 0.024 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 42 Resp: 521442

Ion	Ratio	Lower	Upper
42	100		
74	130.6	103.4	155.0
44	6.0	5.0	7.4



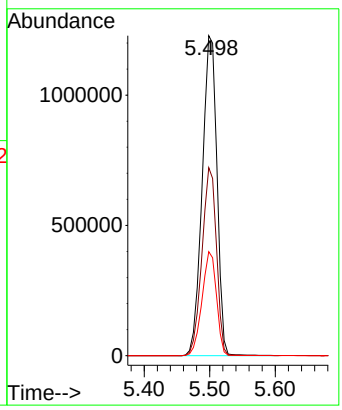


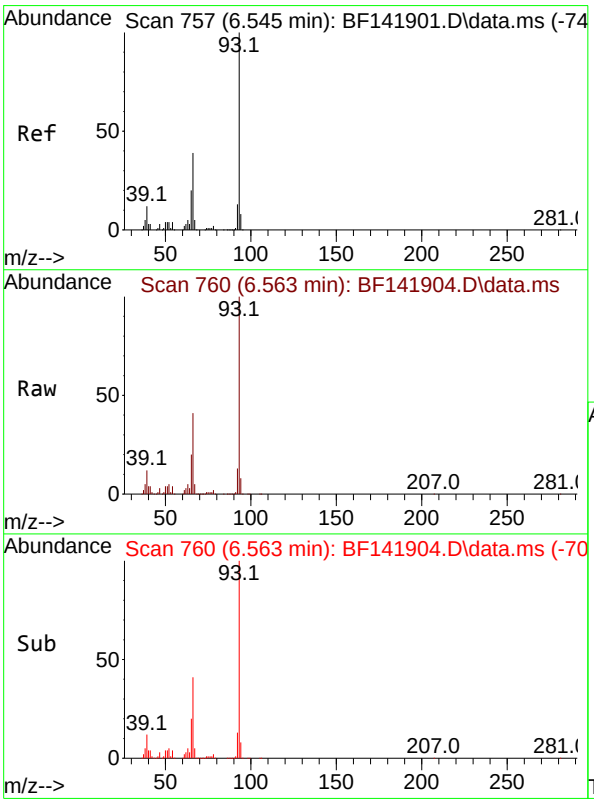
#5
2-Fluorophenol
Concen: 149.991 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 1930406

Ion	Ratio	Lower	Upper
112	100		
64	58.7	46.5	69.7
63	32.5	25.4	38.2

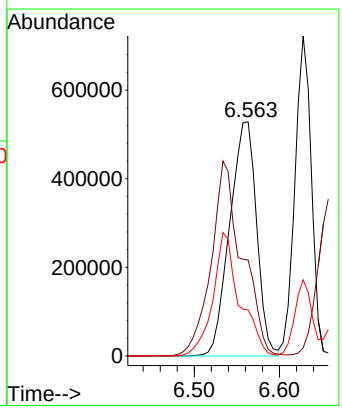




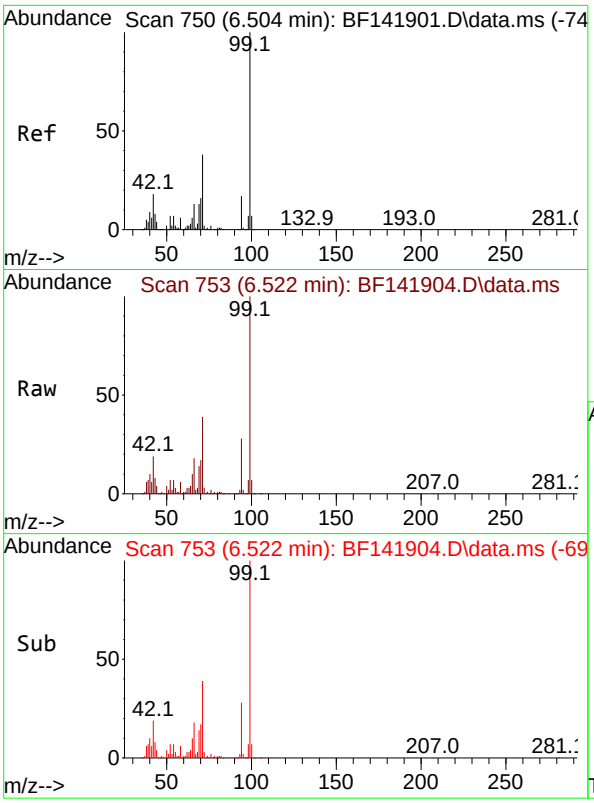
#6
Aniline
Concen: 71.712 ng
RT: 6.563 min Scan# 760
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 93 Resp: 1160437

Ion	Ratio	Lower	Upper
93	100		
66	40.9	31.9	47.9
65	19.7	15.8	23.6



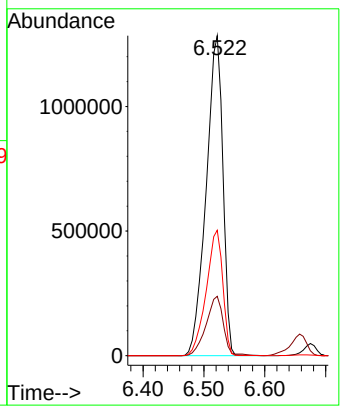
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

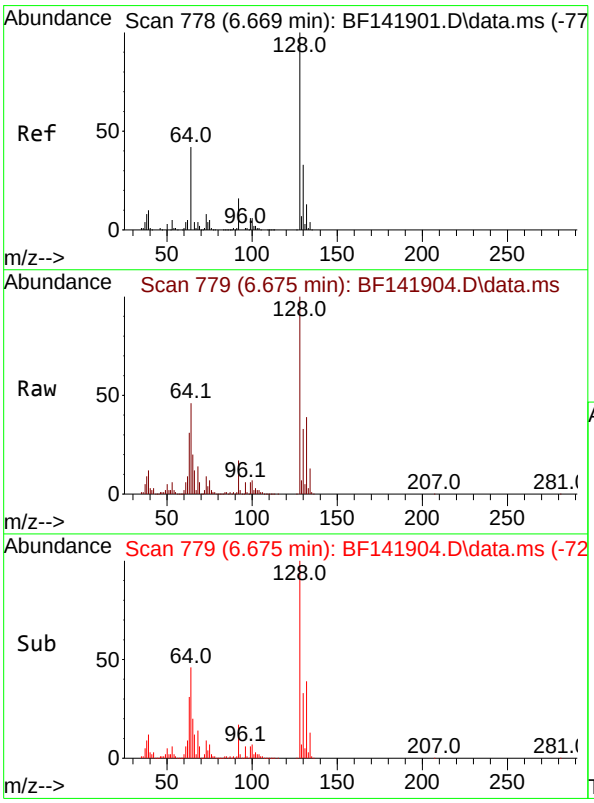


#7
Phenol-d6
Concen: 149.235 ng
RT: 6.522 min Scan# 7
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 99 Resp: 2446183

Ion	Ratio	Lower	Upper
99	100		
42	18.5	14.6	21.8
71	39.2	30.8	46.2

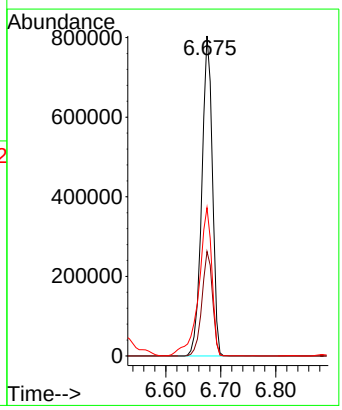


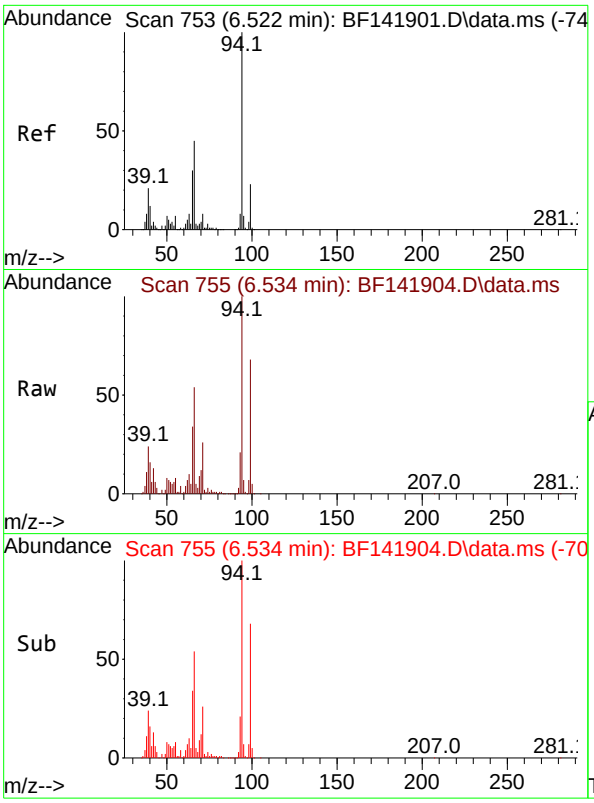


#8
2-Chlorophenol
Concen: 75.616 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:128 Resp: 1078659

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.8	52.8
64	46.4	24.4	64.4



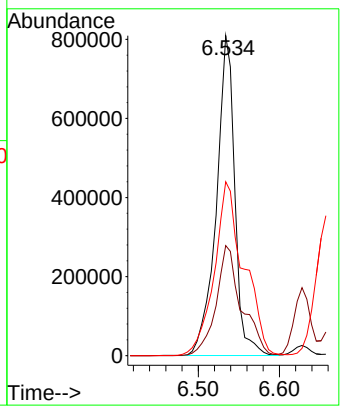


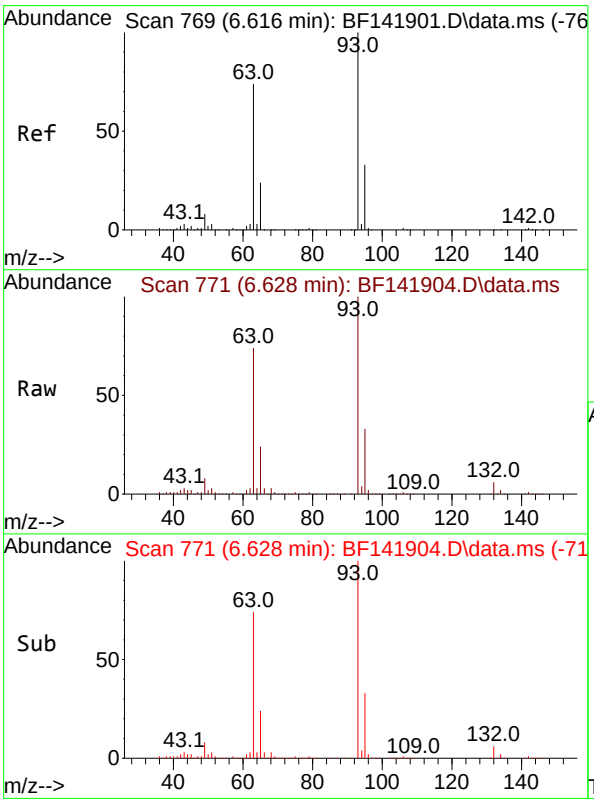
#10
Phenol
Concen: 74.308 ng
RT: 6.534 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 94 Resp: 1285145

Ion	Ratio	Lower	Upper
94	100		
65	34.4	10.5	50.5
66	54.3	25.8	65.8

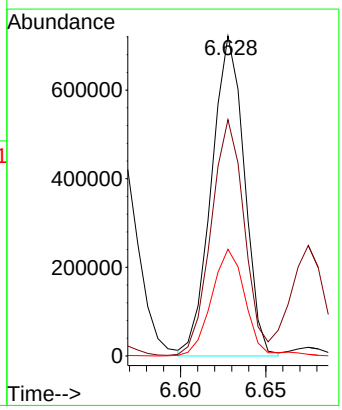


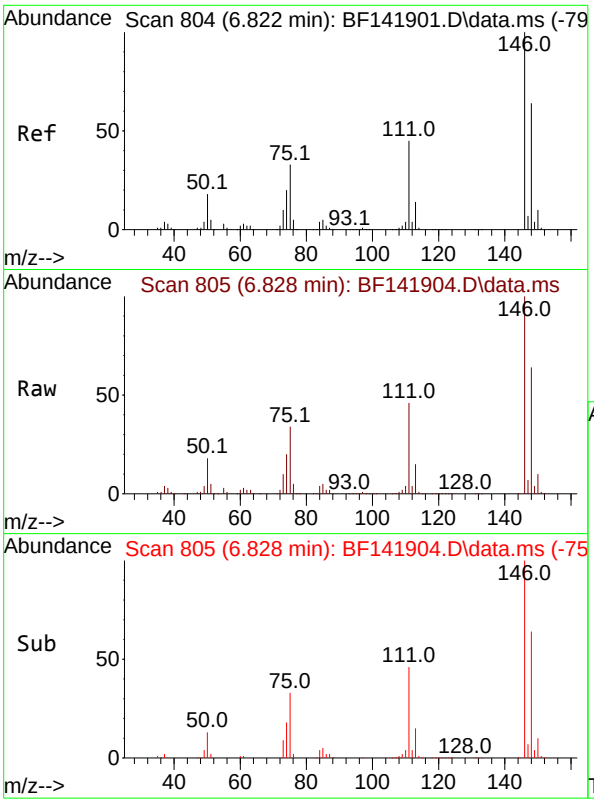


#11
bis(2-Chloroethyl)ether
Concen: 74.725 ng
RT: 6.628 min Scan# 771
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 93 Resp: 968280

Ion	Ratio	Lower	Upper
93	100		
63	73.9	53.0	93.0
95	33.4	12.9	52.9



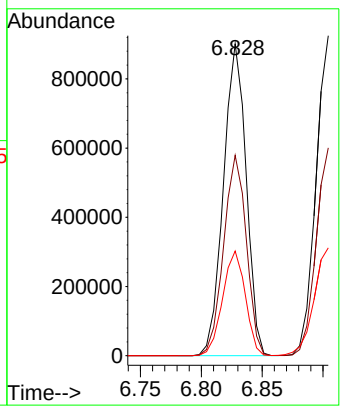


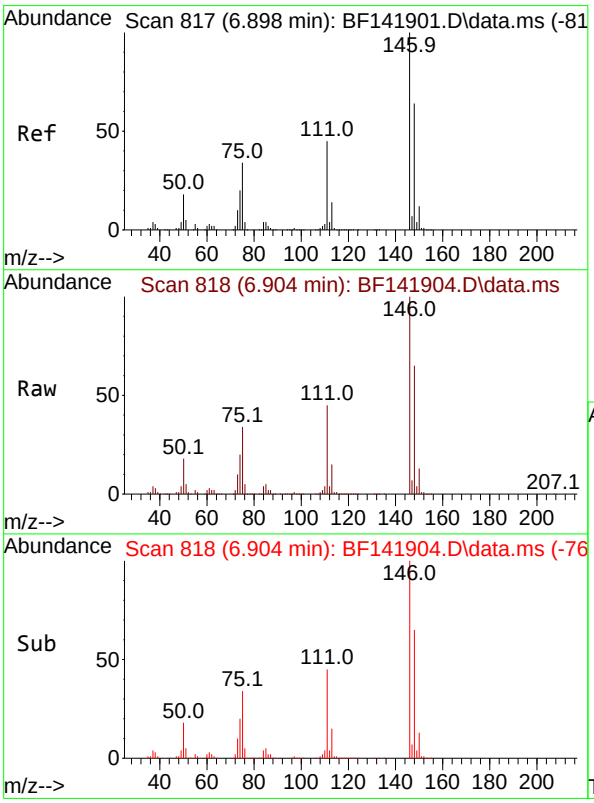
#12
1,3-Dichlorobenzene
Concen: 76.153 ng
RT: 6.828 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 1173924

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.3	76.9
75	33.6	26.6	40.0

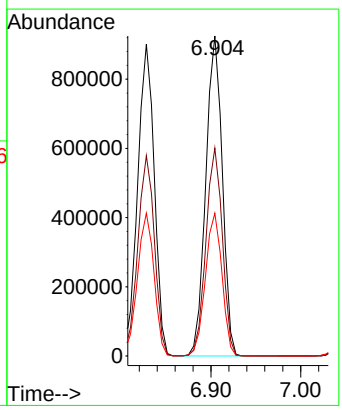


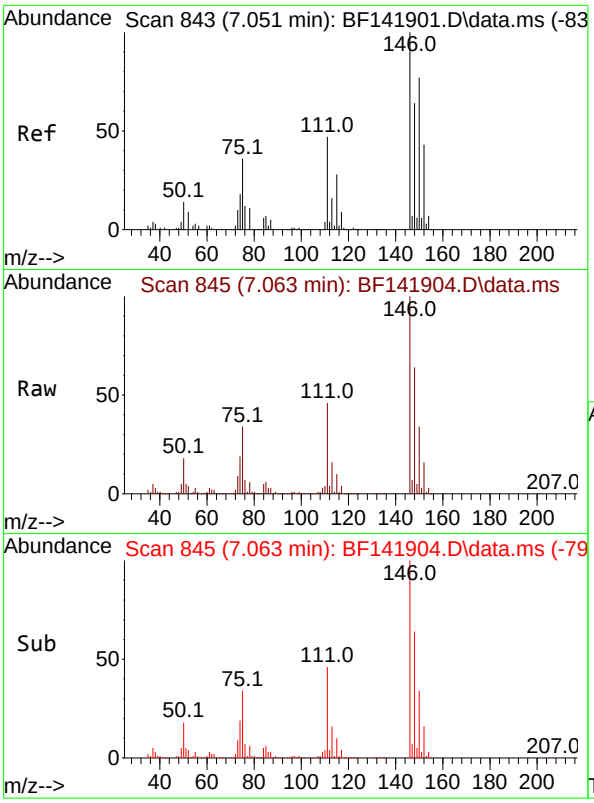


#13
1,4-Dichlorobenzene
Concen: 75.784 ng
RT: 6.904 min Scan# 818
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:146 Resp: 1181975

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.0	76.6
111	44.6	35.7	53.5



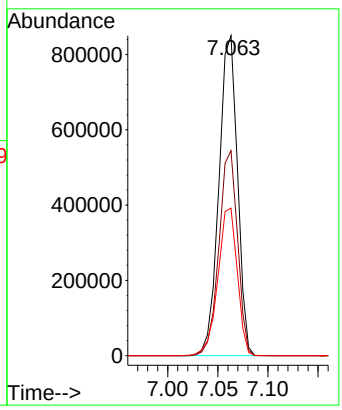


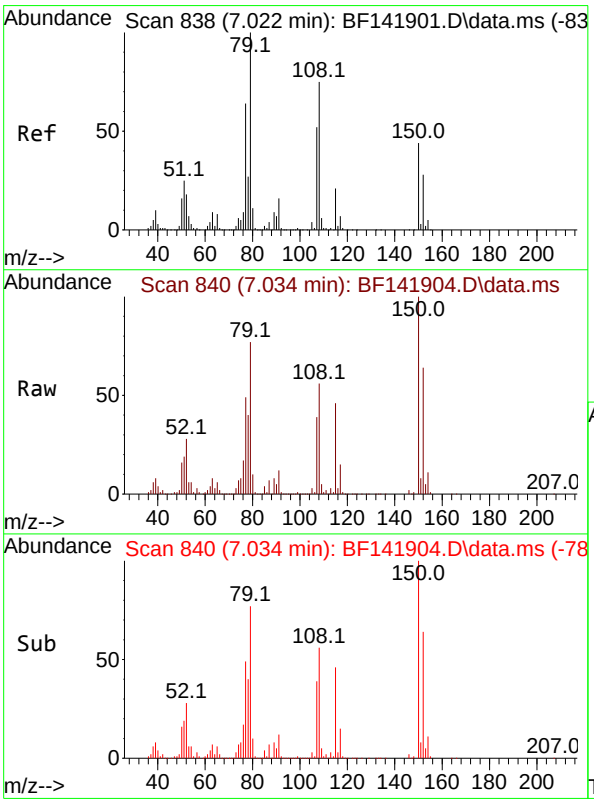
#14
1,2-Dichlorobenzene
Concen: 74.440 ng
RT: 7.063 min Scan# 84
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 1093316

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.8	76.2
111	46.1	38.0	57.0

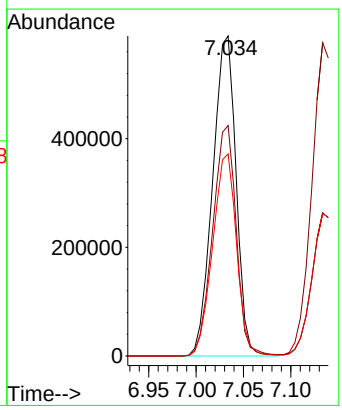


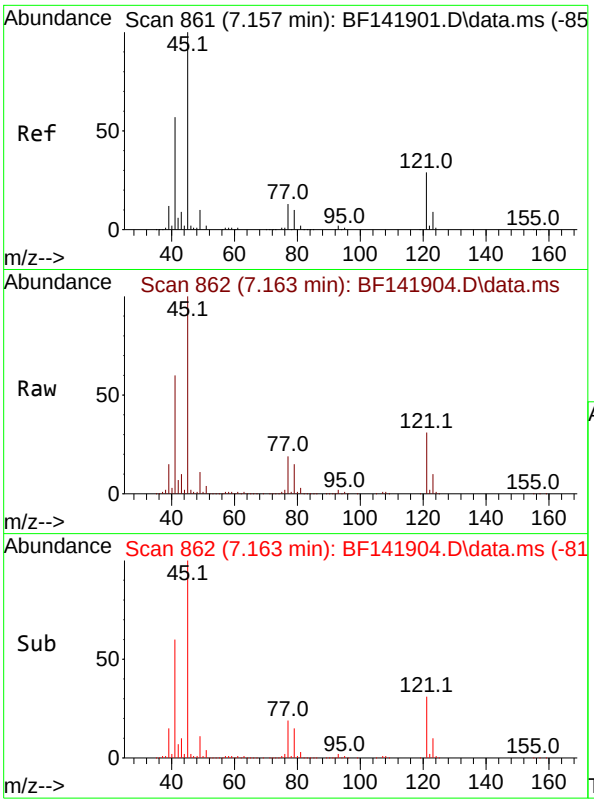


#15
Benzyl Alcohol
Concen: 76.376 ng
RT: 7.034 min Scan# 840
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 79 Resp: 1013314

Ion	Ratio	Lower	Upper
79	100		
108	72.0	59.7	89.5
77	63.1	51.0	76.6



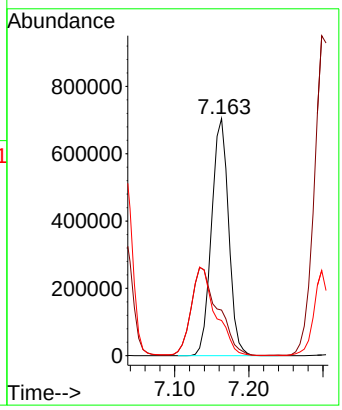


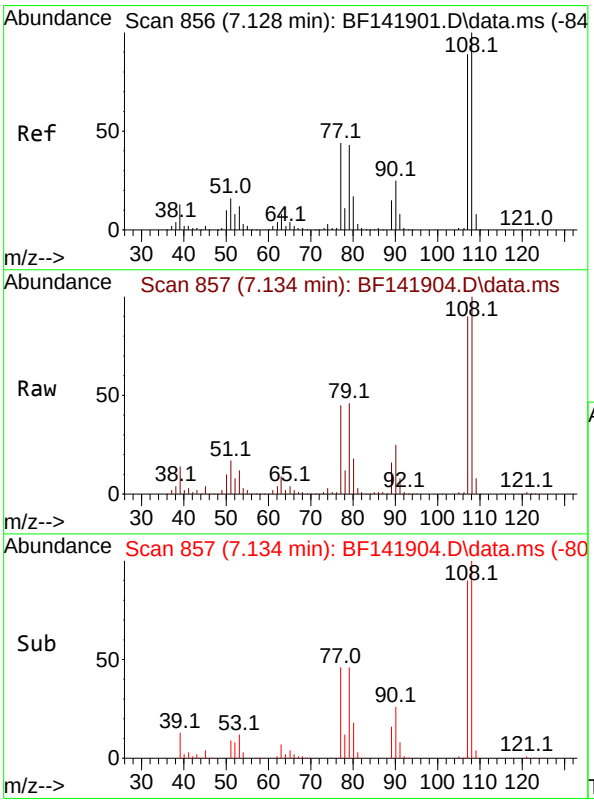
#16
2,2'-oxybis(1-Chloropropane)
Concen: 72.198 ng
RT: 7.163 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 45 Resp: 1127534

Ion	Ratio	Lower	Upper
45	100		
77	19.3	0.0	37.8
79	14.8	0.0	34.2

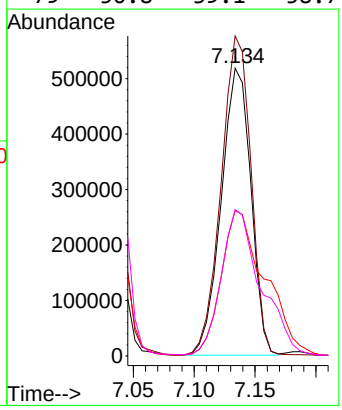


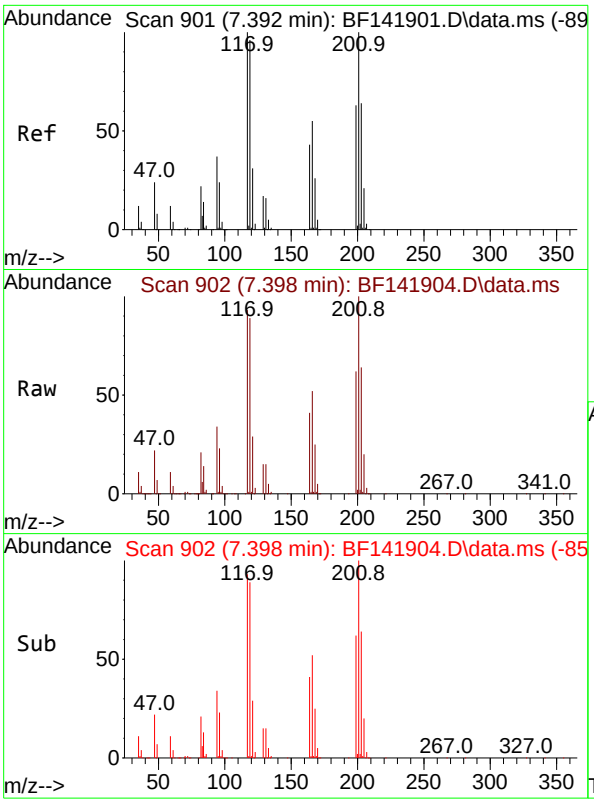


#17
2-Methylphenol
Concen: 77.326 ng
RT: 7.134 min Scan# 857
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:107 Resp: 876665

Ion	Ratio	Lower	Upper
107	100		
108	111.3	90.2	135.2
77	50.5	39.6	59.4
79	50.8	39.1	58.7



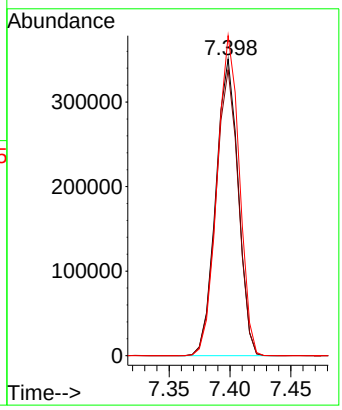


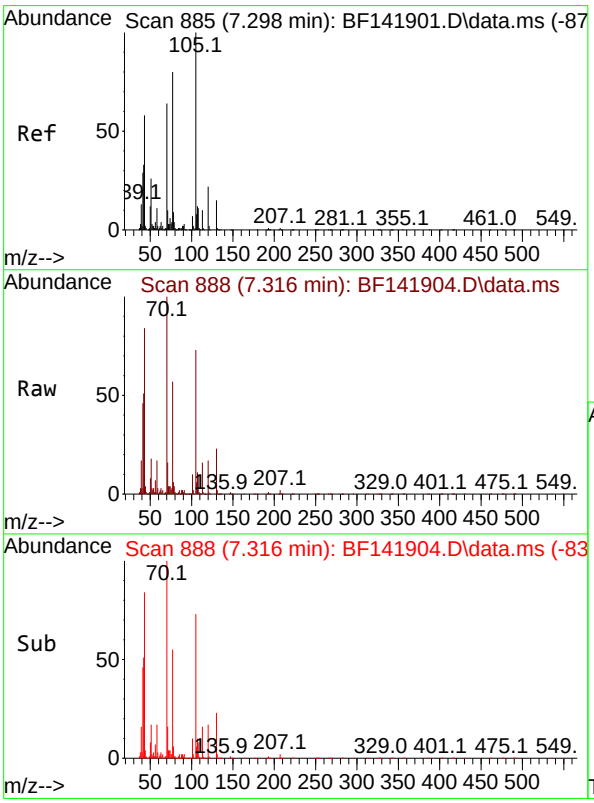
#18
Hexachloroethane
Concen: 76.745 ng
RT: 7.398 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:117 Resp: 448765

Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.9	115.3
201	107.9	79.9	119.9

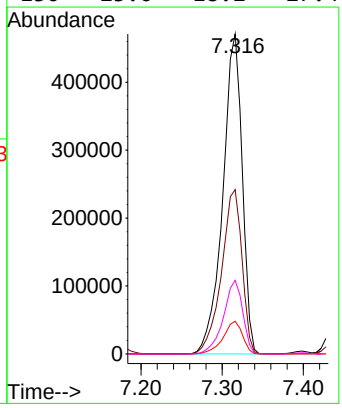


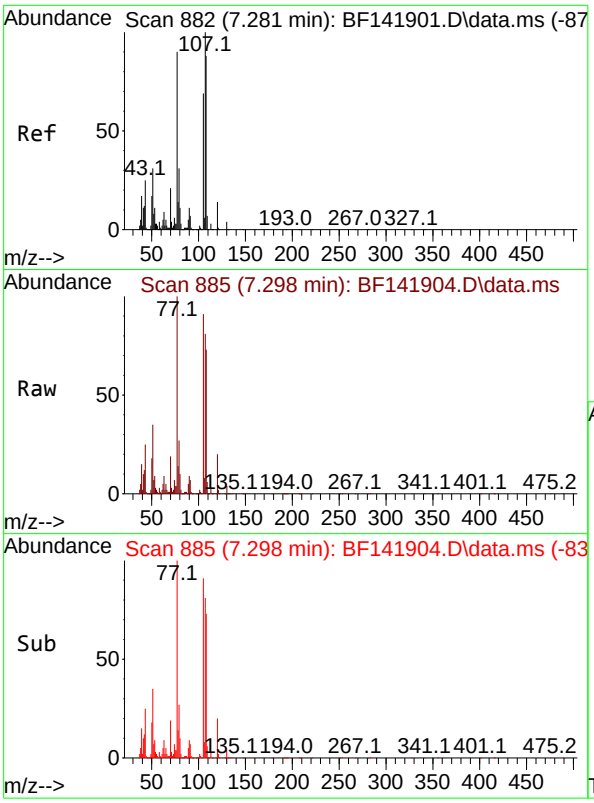


#19
n-Nitroso-di-n-propylamine
Concen: 74.351 ng
RT: 7.316 min Scan# 888
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 70 Resp: 783318

Ion	Ratio	Lower	Upper
70	100		
42	51.4	41.4	62.0
101	10.2	8.2	12.2
130	23.0	18.2	27.4



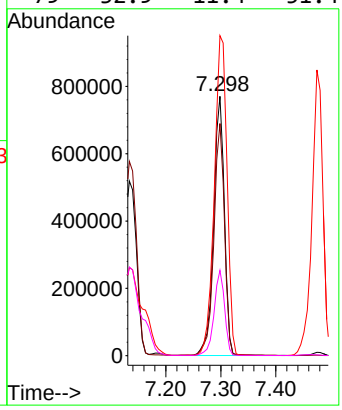


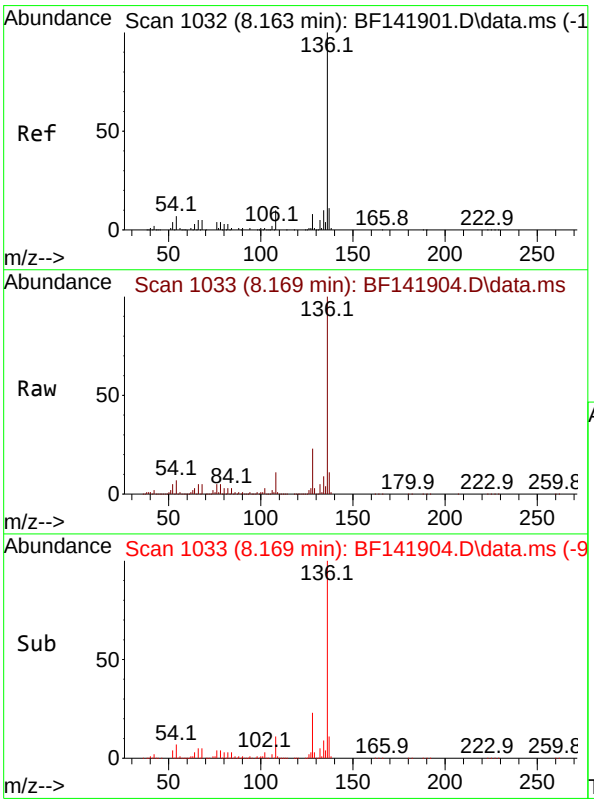
#20
3+4-Methylphenols
Concen: 72.219 ng
RT: 7.298 min Scan# 8
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 1050191

Ion	Ratio	Lower	Upper
107	100		
108	89.5	68.4	108.4
77	123.4	69.7	109.7#
79	32.9	11.4	51.4

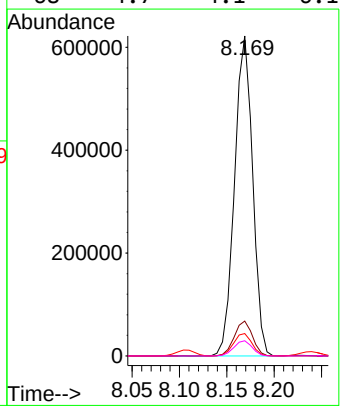


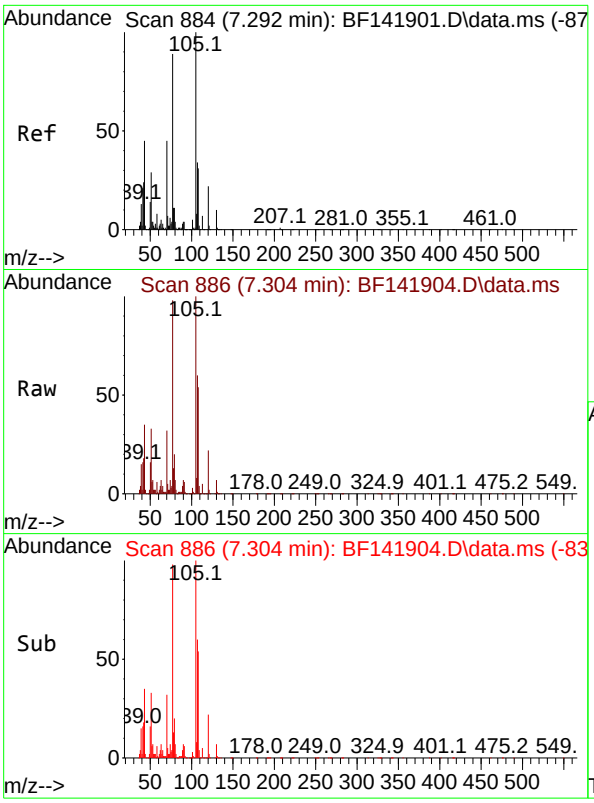


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:136 Resp: 826030

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.0	5.8	8.8
68	4.7	4.1	6.1



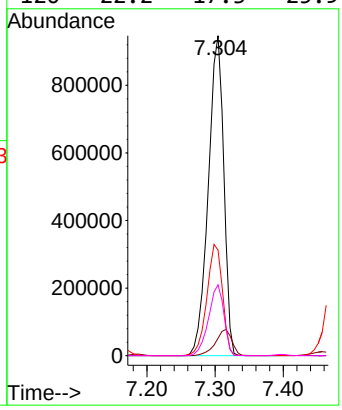


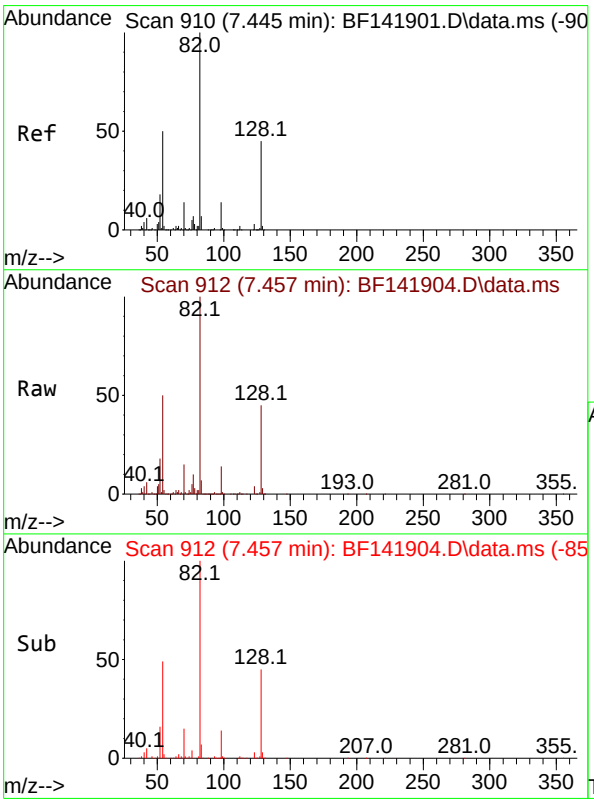
#22
Acetophenone
Concen: 75.498 ng
RT: 7.304 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:105 Resp: 1496035

Ion	Ratio	Lower	Upper
105	100		
71	5.4	5.8	8.8#
51	33.0	23.4	35.0
120	22.2	17.3	25.9

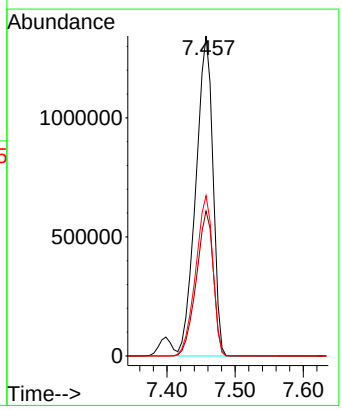


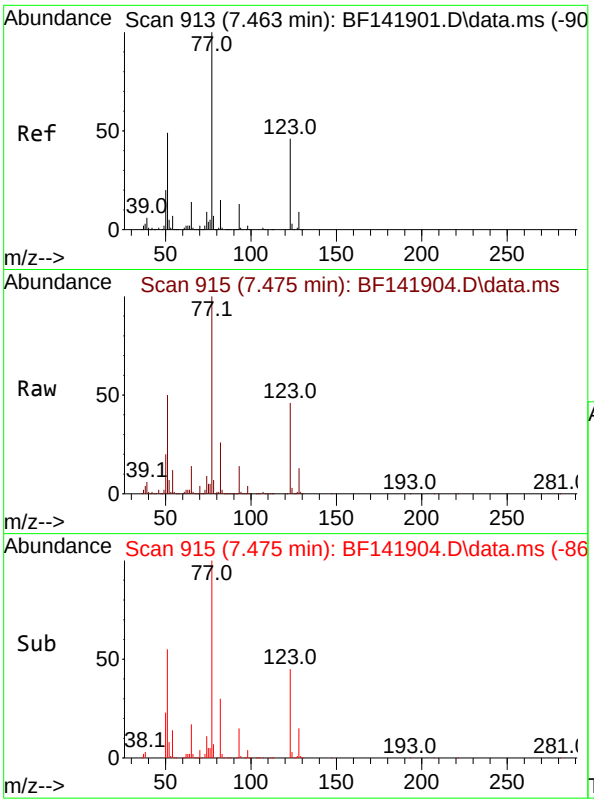


#23
Nitrobenzene-d5
Concen: 158.463 ng
RT: 7.457 min Scan# 912
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 82 Resp: 2335417

Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.0	54.0
54	50.1	39.6	59.4



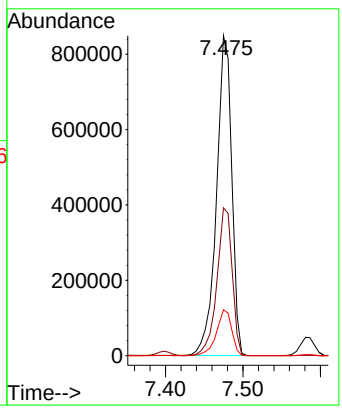


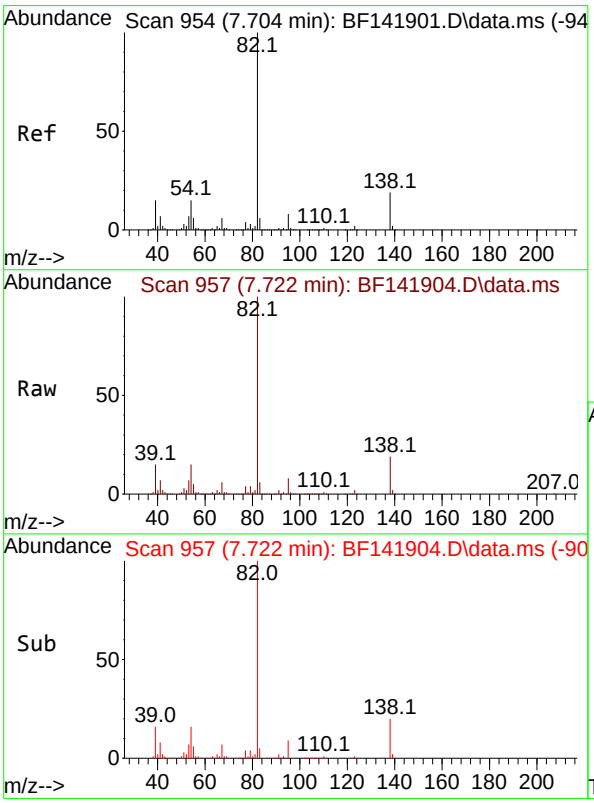
#24
Nitrobenzene
Concen: 79.572 ng
RT: 7.475 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 1162753

Ion	Ratio	Lower	Upper
77	100		
123	46.2	37.0	55.4
65	14.4	11.3	16.9

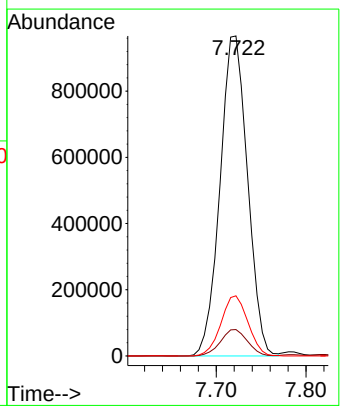


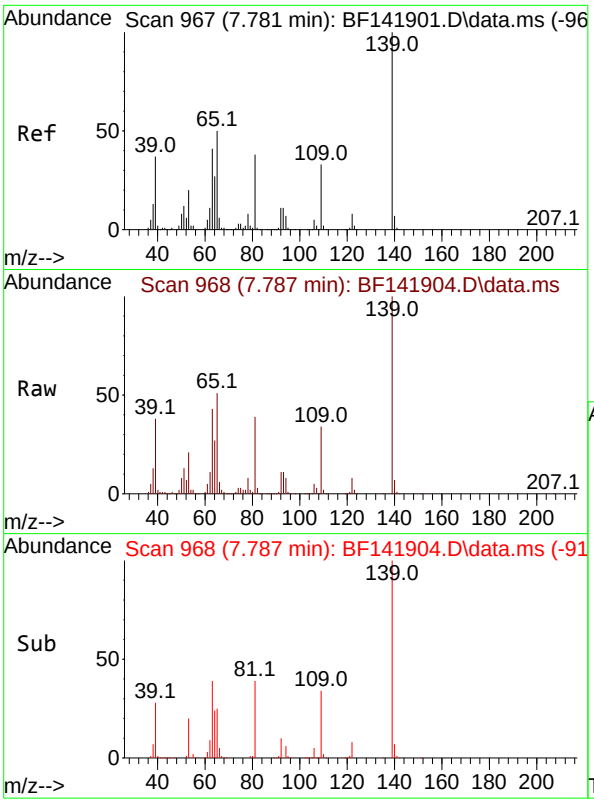


#25
Isophorone
Concen: 79.032 ng
RT: 7.722 min Scan# 957
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 82 Resp: 2056405

Ion	Ratio	Lower	Upper
82	100		
95	8.2	6.4	9.6
138	18.8	14.9	22.3



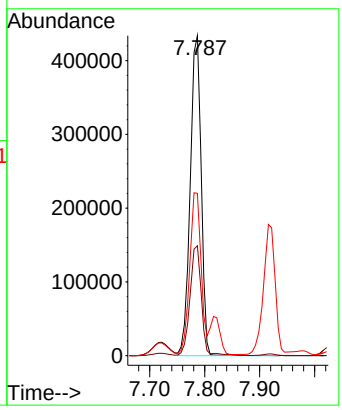


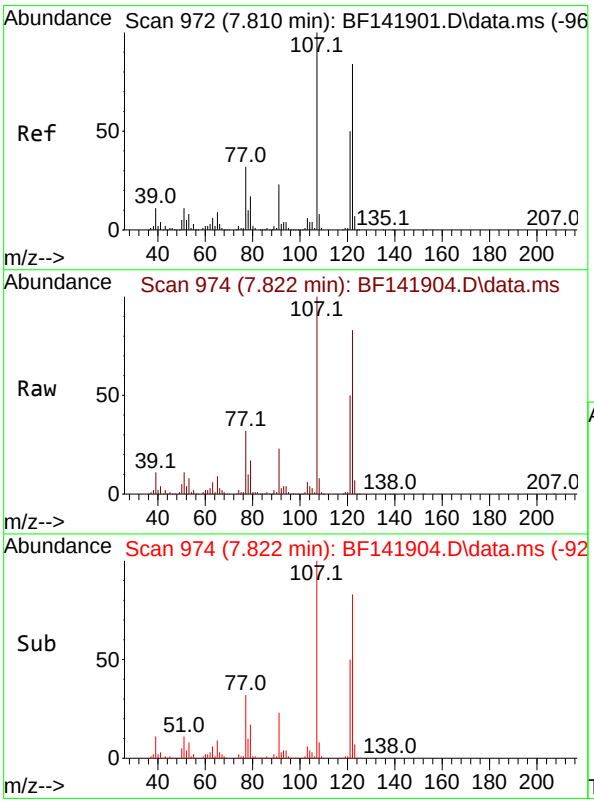
#26
2-Nitrophenol
Concen: 83.688 ng
RT: 7.787 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:139 Resp: 599261

Ion	Ratio	Lower	Upper
139	100		
109	34.4	26.5	39.7
65	50.8	40.3	60.5

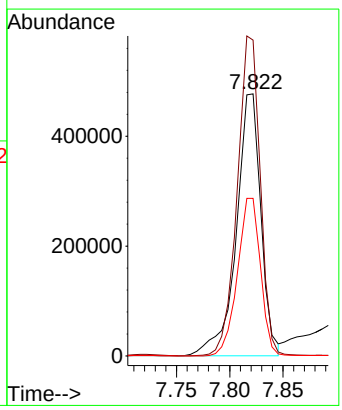


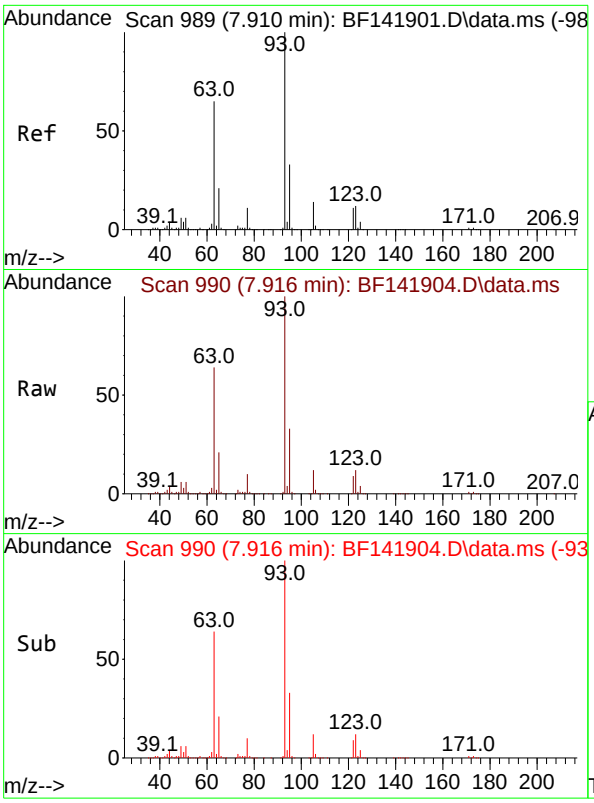


#27
2,4-Dimethylphenol
Concen: 77.821 ng
RT: 7.822 min Scan# 974
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:122 Resp: 767514

Ion	Ratio	Lower	Upper
122	100		
107	120.5	94.8	142.2
121	60.1	47.8	71.6



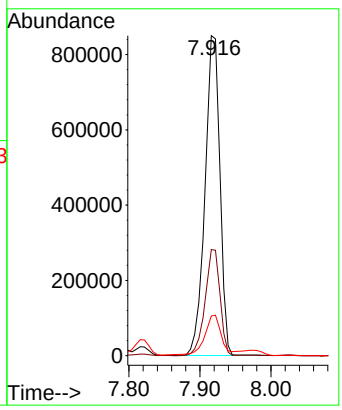


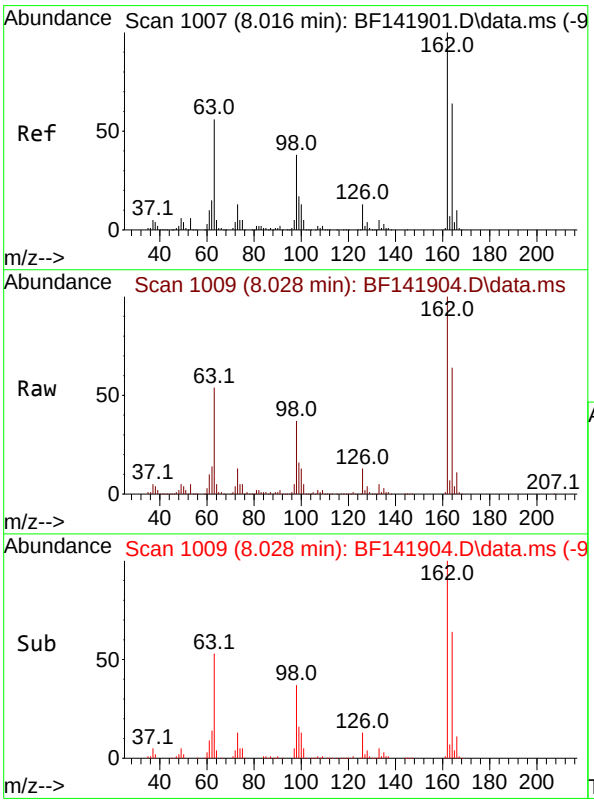
#28
bis(2-Chloroethoxy)methane
Concen: 76.598 ng
RT: 7.916 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 1248549

Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.6	40.0
123	12.4	10.2	15.4

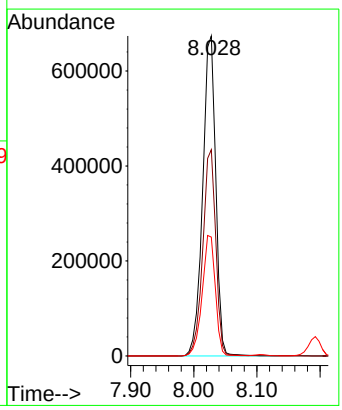


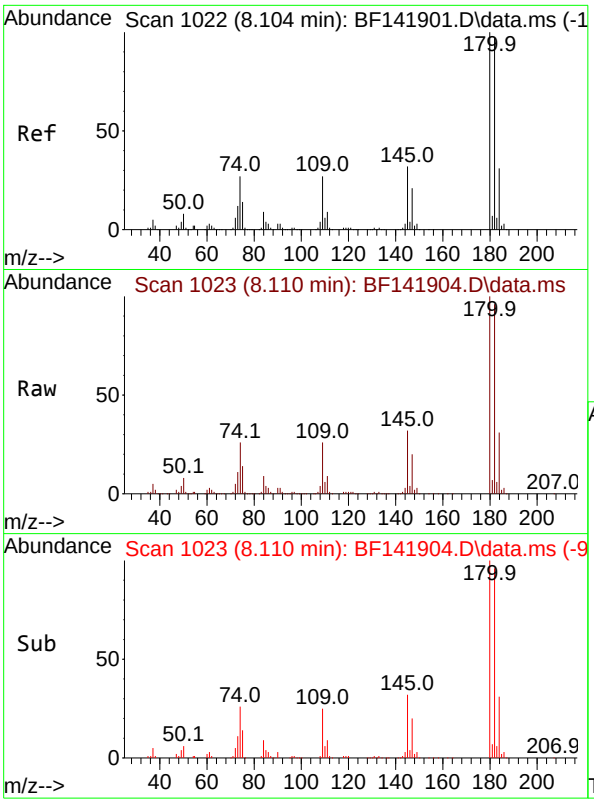


#29
2,4-Dichlorophenol
Concen: 79.403 ng
RT: 8.028 min Scan# 1009
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:162 Resp: 971886

Ion	Ratio	Lower	Upper
162	100		
164	64.4	43.8	83.8
98	37.1	18.1	58.1



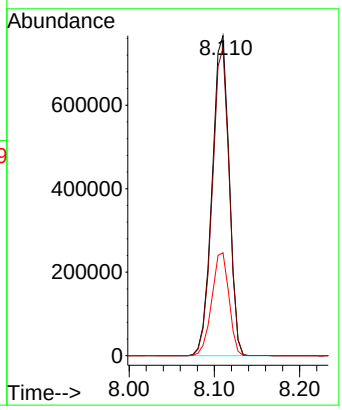


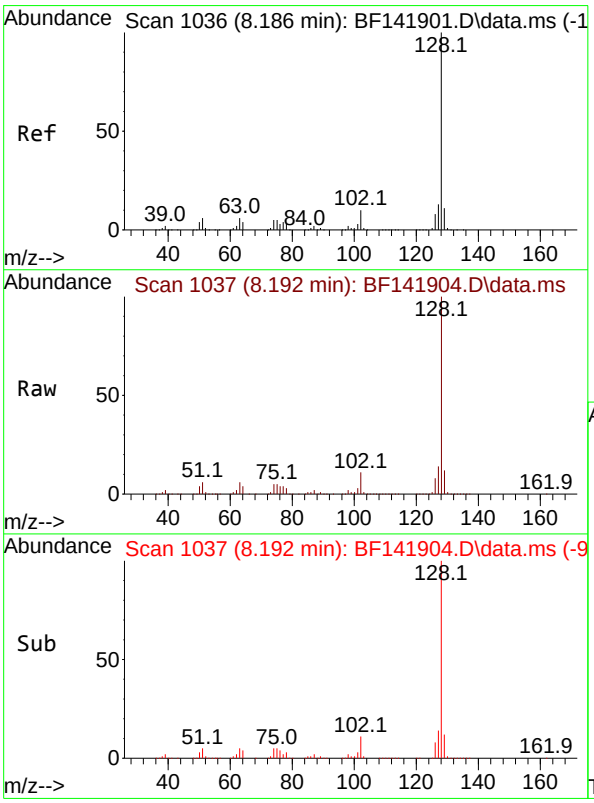
#30
1,2,4-Trichlorobenzene
Concen: 78.705 ng
RT: 8.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:180 Resp: 1062793

Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.5	116.3
145	32.2	25.8	38.6

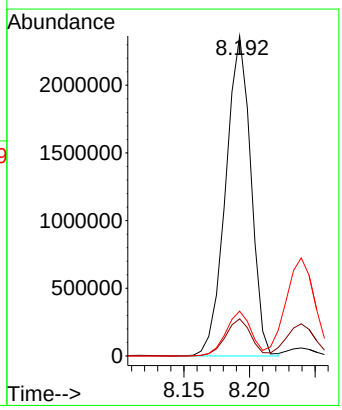


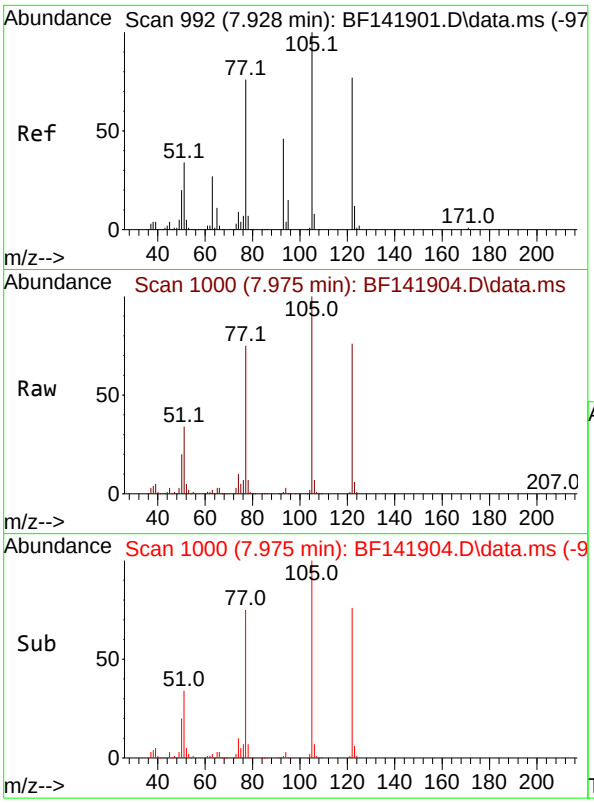


#31
Naphthalene
Concen: 74.497 ng
RT: 8.192 min Scan# 1037
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:128 Resp: 3152444

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.0	13.6
127	14.0	10.8	16.2



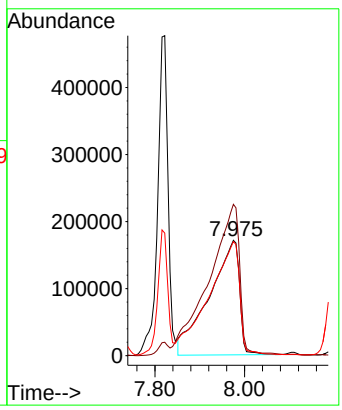


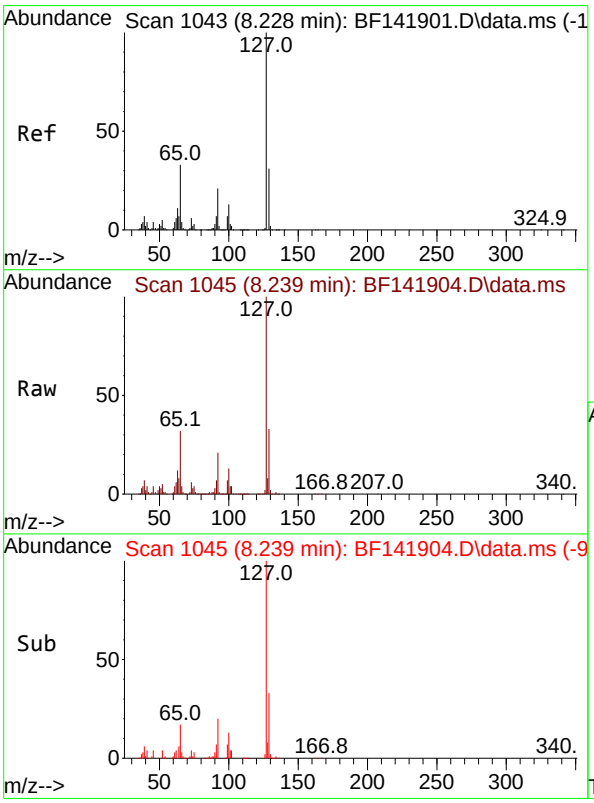
#32
Benzoic acid
Concen: 92.323 ng
RT: 7.975 min Scan# 1
Delta R.T. 0.047 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 795850

Ion	Ratio	Lower	Upper
122	100		
105	131.3	107.9	147.9
77	98.9	79.0	119.0

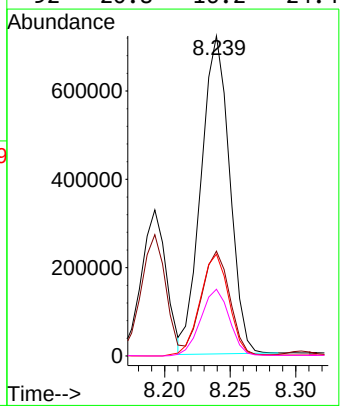


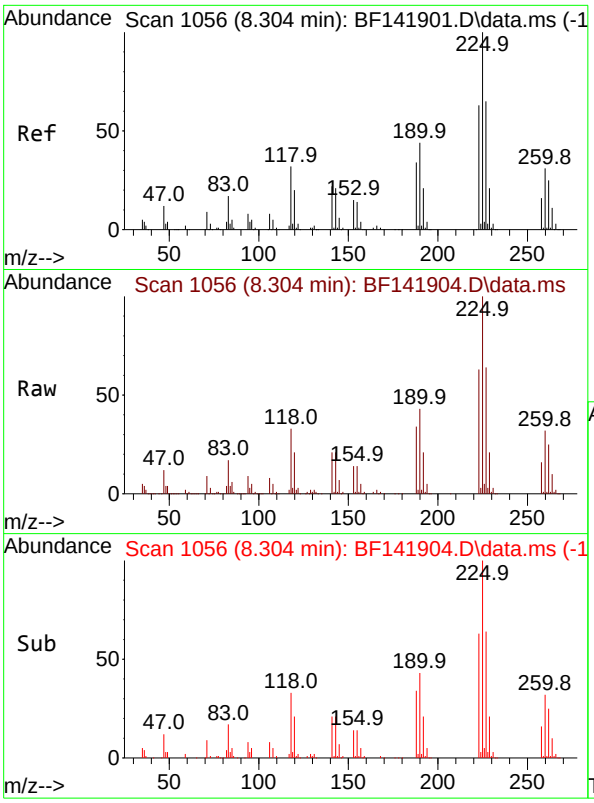


#33
4-Chloroaniline
Concen: 72.896 ng
RT: 8.239 min Scan# 1045
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:127 Resp: 1088546

Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.2	39.4
65	31.8	25.4	38.2
92	20.8	16.2	24.4



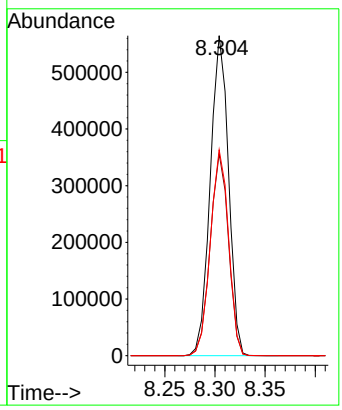


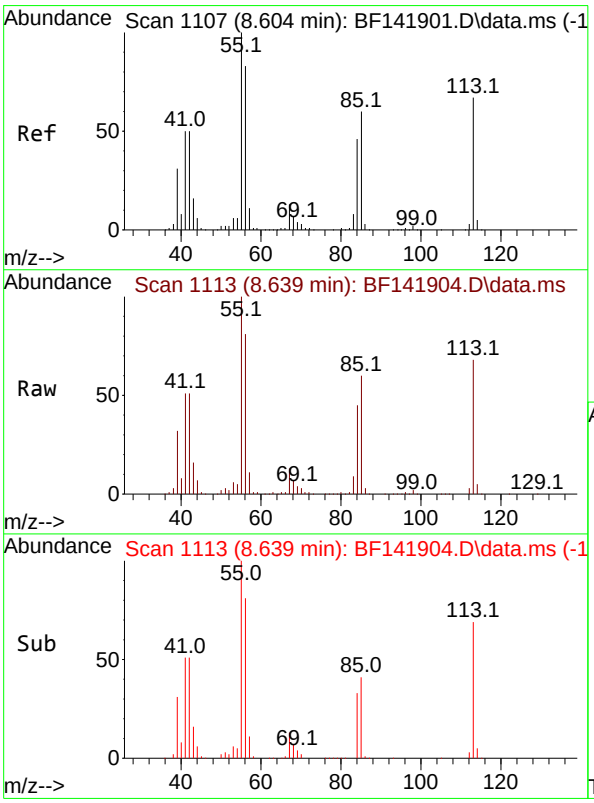
#34
Hexachlorobutadiene
Concen: 81.299 ng
RT: 8.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:225 Resp: 713827

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.6	75.8
227	64.3	52.2	78.2

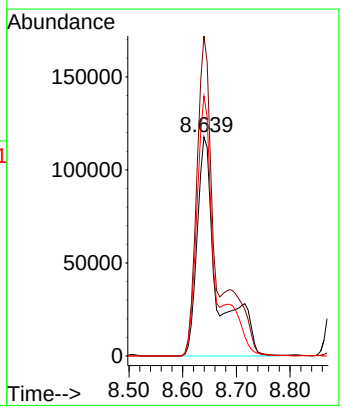


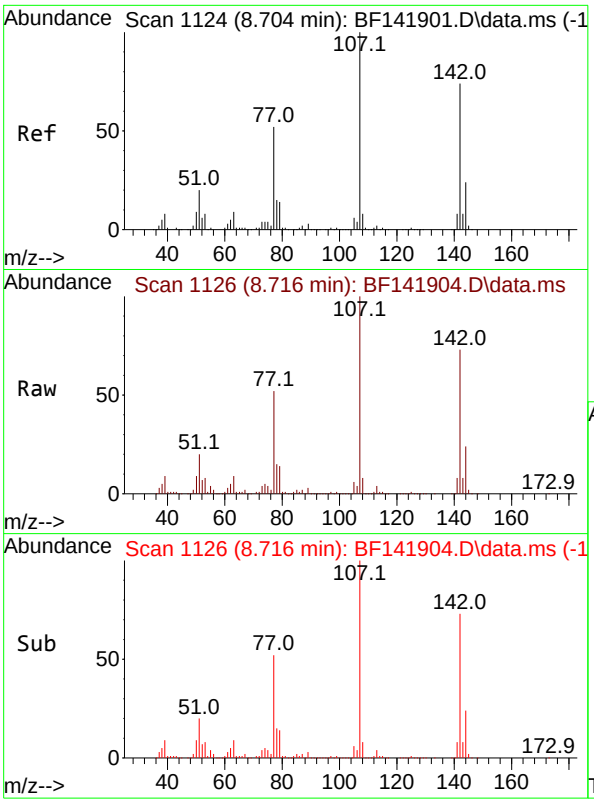


#35
Caprolactam
Concen: 83.763 ng m
RT: 8.639 min Scan# 1113
Delta R.T. 0.035 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:113 Resp: 311758

Ion	Ratio	Lower	Upper
113	100		
55	146.1	129.6	169.6
56	118.7	104.0	144.0



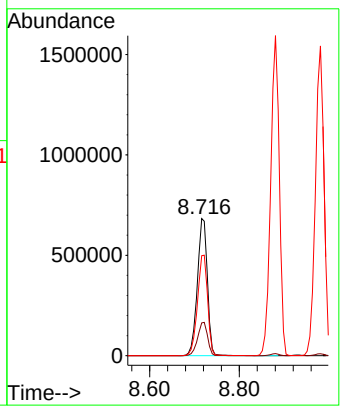


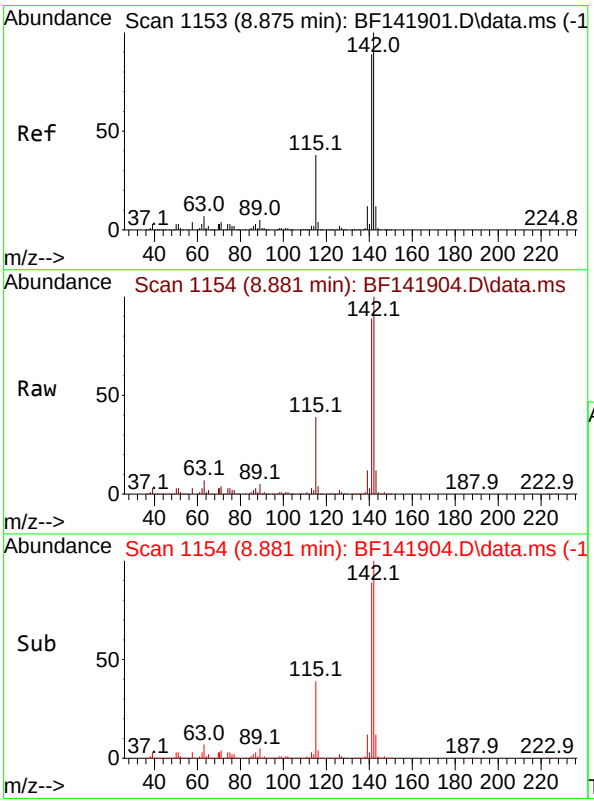
#36
4-Chloro-3-methylphenol
Concen: 77.644 ng
RT: 8.716 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 1056917

Ion	Ratio	Lower	Upper
107	100		
144	24.0	19.0	28.6
142	72.9	59.2	88.8

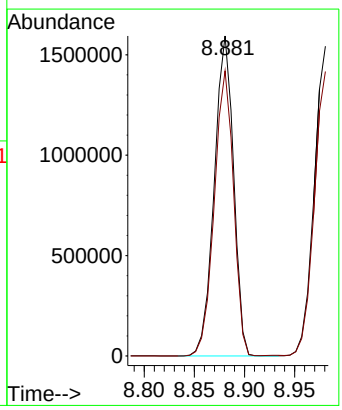


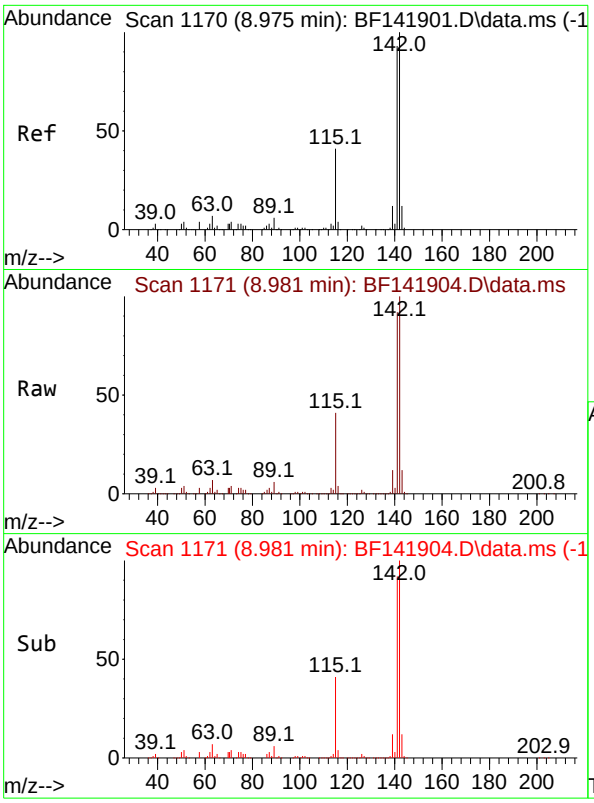


#37
2-Methylnaphthalene
Concen: 75.023 ng
RT: 8.881 min Scan# 1154
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:142 Resp: 2129990

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.2	106.8



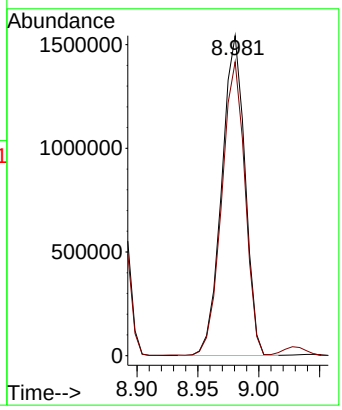


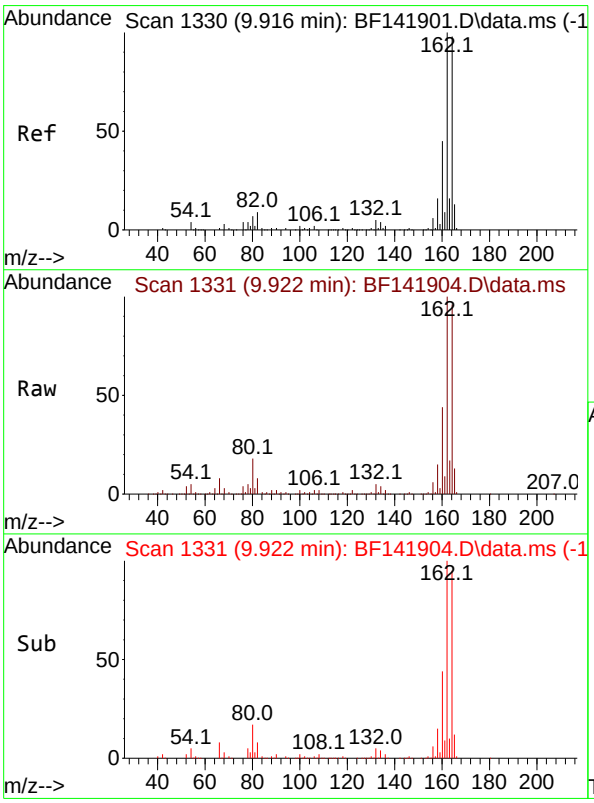
#38
1-Methylnaphthalene
Concen: 74.568 ng
RT: 8.981 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 2050191

Ion	Ratio	Lower	Upper
142	100		
141	91.8	74.2	111.4

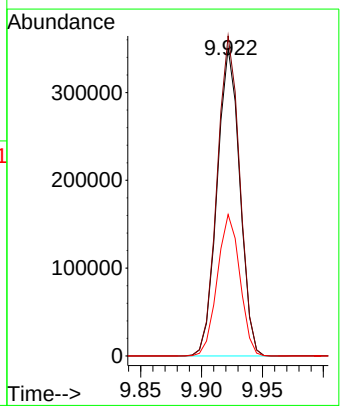


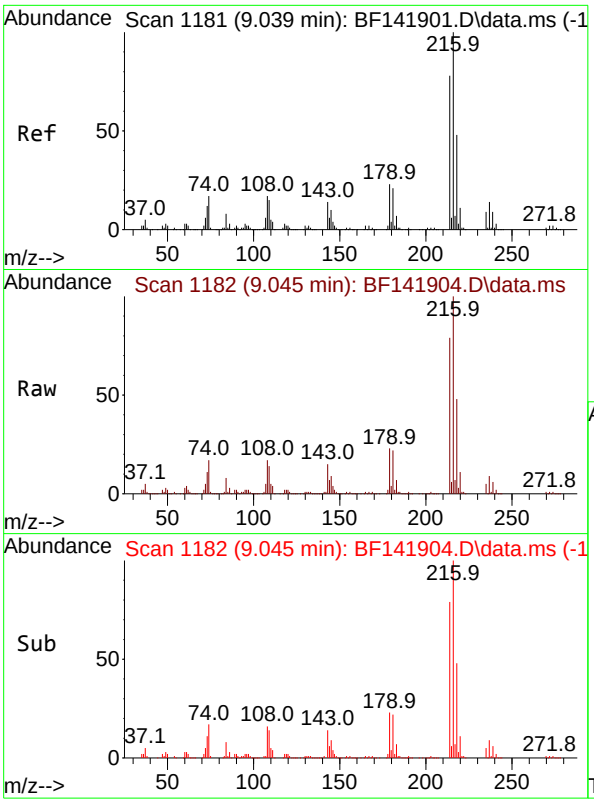


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:164 Resp: 452864

Ion	Ratio	Lower	Upper
164	100		
162	103.9	81.8	122.6
160	45.9	36.7	55.1



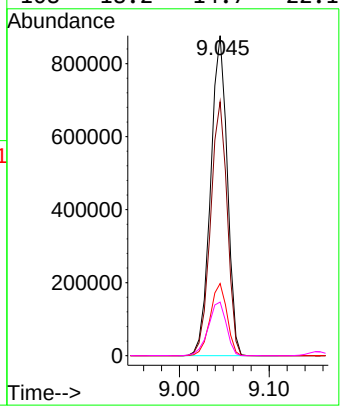


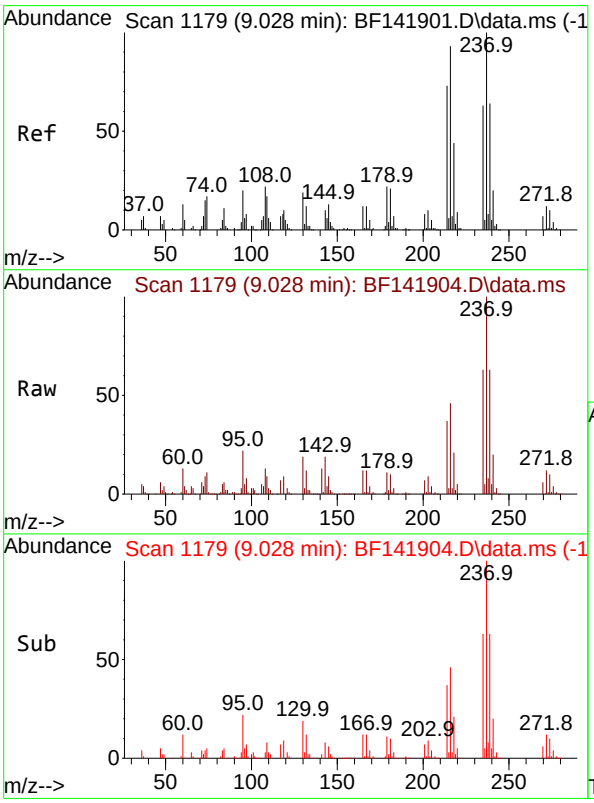
#40
1,2,4,5-Tetrachlorobenzene
Concen: 81.667 ng
RT: 9.045 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:216 Resp: 1127671

Ion	Ratio	Lower	Upper
216	100		
214	79.3	61.9	92.9
179	22.7	18.1	27.1
108	18.2	14.7	22.1

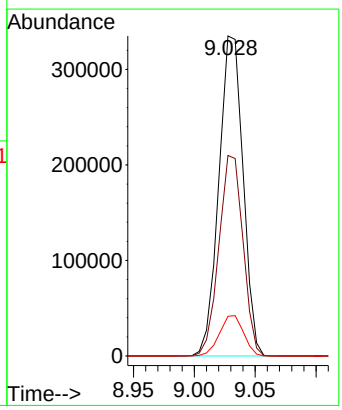


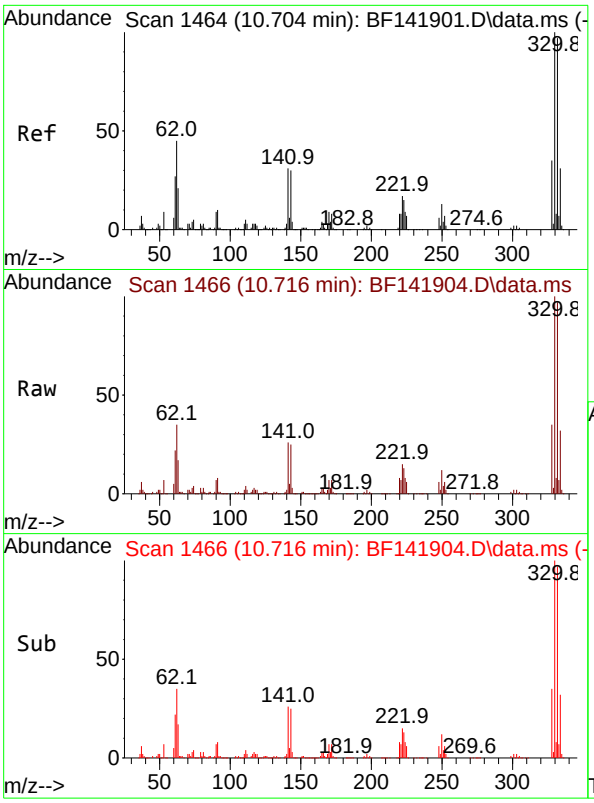


#41
Hexachlorocyclopentadiene
Concen: 85.031 ng
RT: 9.028 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:237 Resp: 463300

Ion	Ratio	Lower	Upper
237	100		
235	62.6	43.1	83.1
272	12.4	0.0	32.0



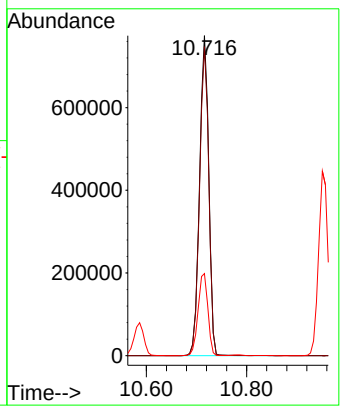


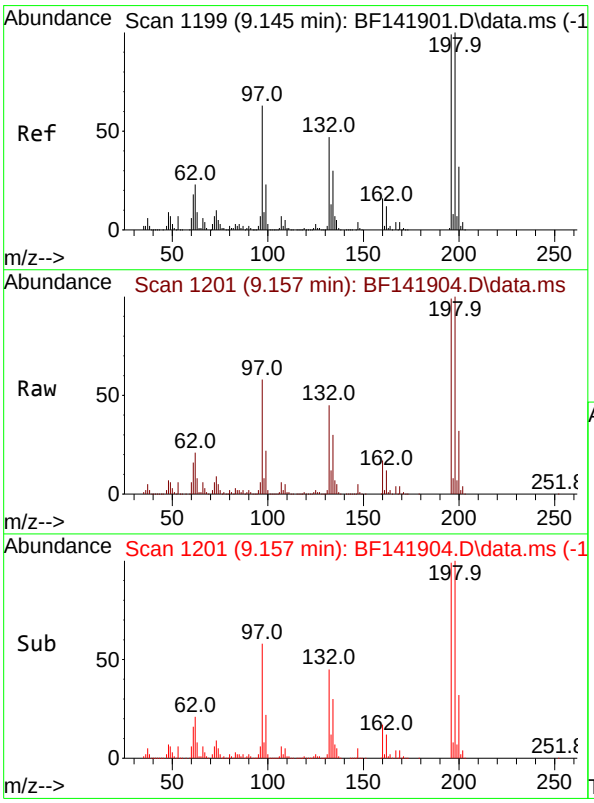
#42
2,4,6-Tribromophenol
Concen: 171.858 ng
RT: 10.716 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:330 Resp: 986206

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.6	116.4
141	27.3	24.7	37.1

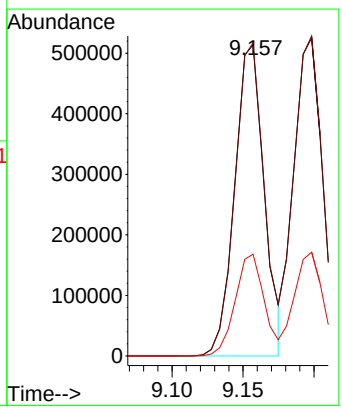


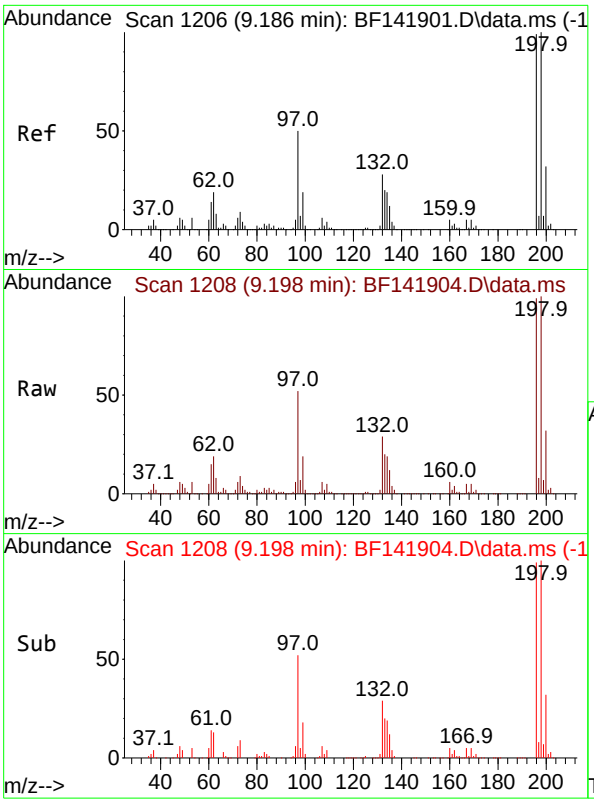


#43
2,4,6-Trichlorophenol
Concen: 82.399 ng
RT: 9.157 min Scan# 1201
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:196 Resp: 741710

Ion	Ratio	Lower	Upper
196	100		
198	100.7	80.6	121.0
200	32.7	25.8	38.6



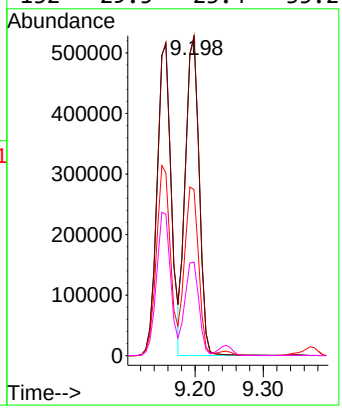


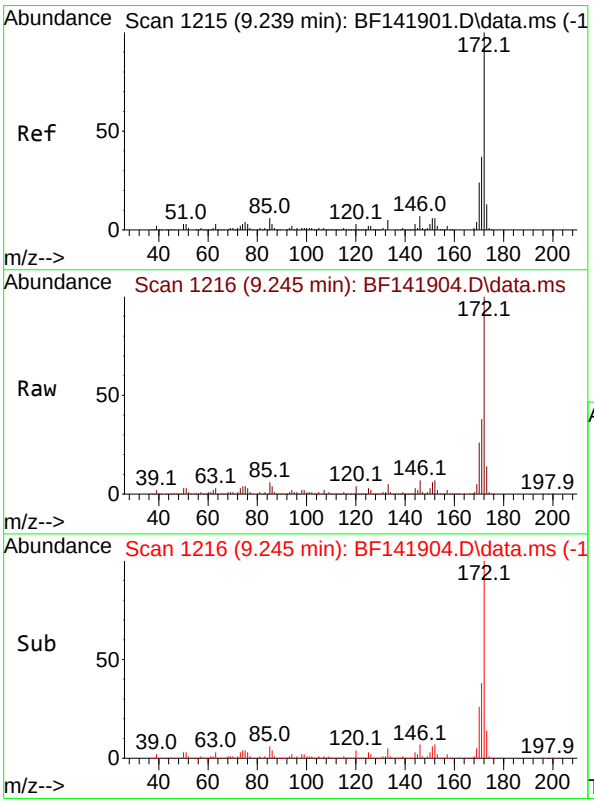
#44
2,4,5-Trichlorophenol
Concen: 80.579 ng
RT: 9.198 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 736926

Ion	Ratio	Lower	Upper
196	100		
198	100.6	80.7	121.1
97	52.2	42.1	63.1
132	29.5	23.4	35.2

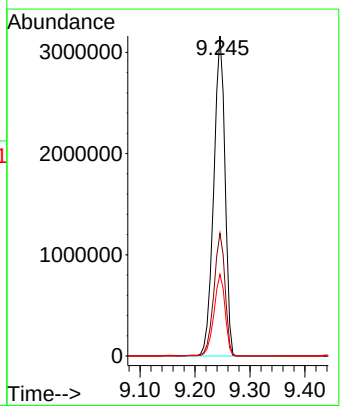


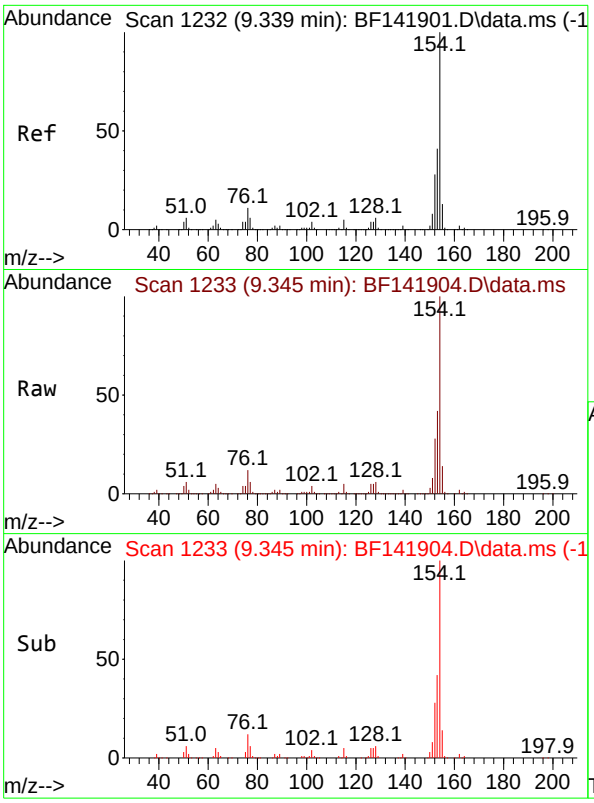


#45
2-Fluorobiphenyl
Concen: 151.763 ng
RT: 9.245 min Scan# 1216
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:172 Resp: 4513418

Ion	Ratio	Lower	Upper
172	100		
171	38.4	29.3	43.9
170	25.5	19.4	29.0



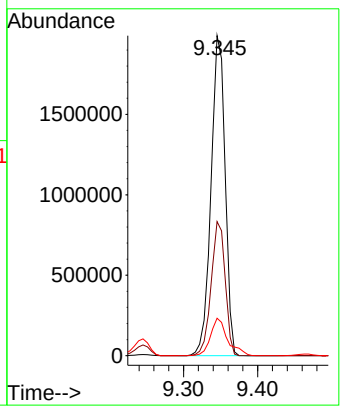


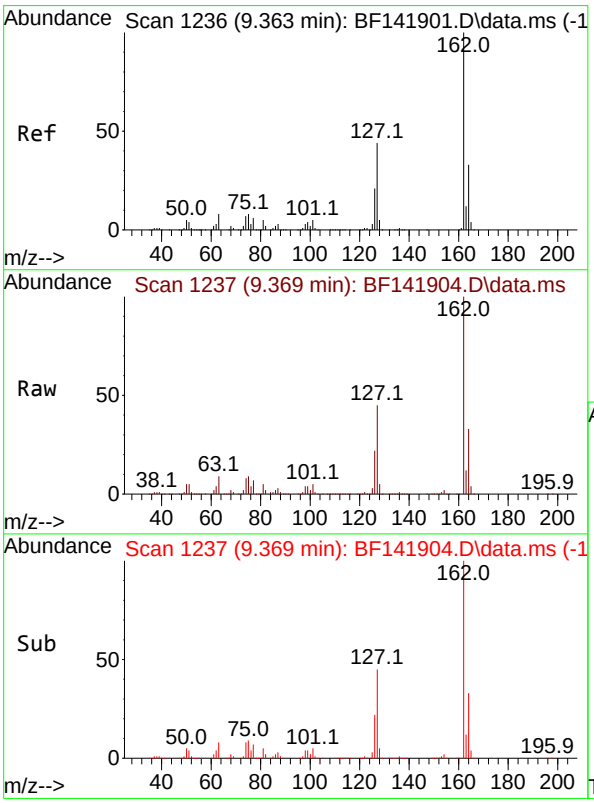
#46
1,1'-Biphenyl
Concen: 76.503 ng
RT: 9.345 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 2626697

Ion	Ratio	Lower	Upper
154	100		
153	41.9	21.1	61.1
76	11.7	0.0	31.3

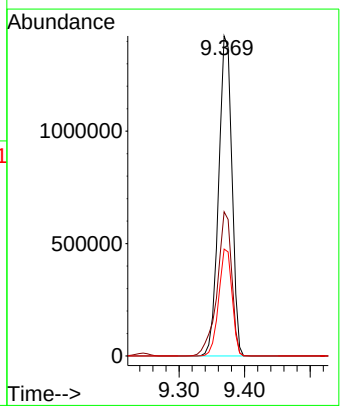


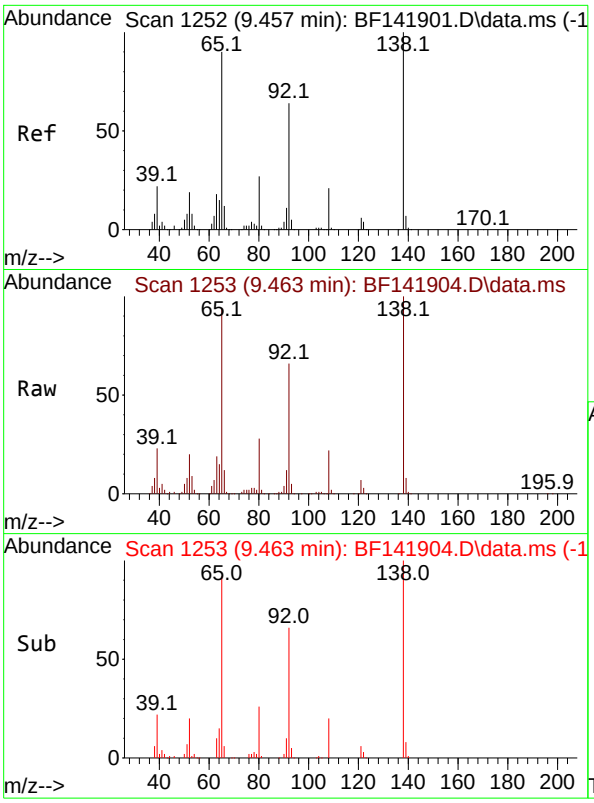


#47
2-Chloronaphthalene
Concen: 77.859 ng
RT: 9.369 min Scan# 1237
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:162 Resp: 1992242

Ion	Ratio	Lower	Upper
162	100		
127	45.0	35.5	53.3
164	33.4	26.6	40.0



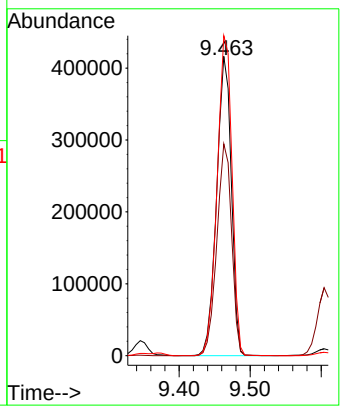


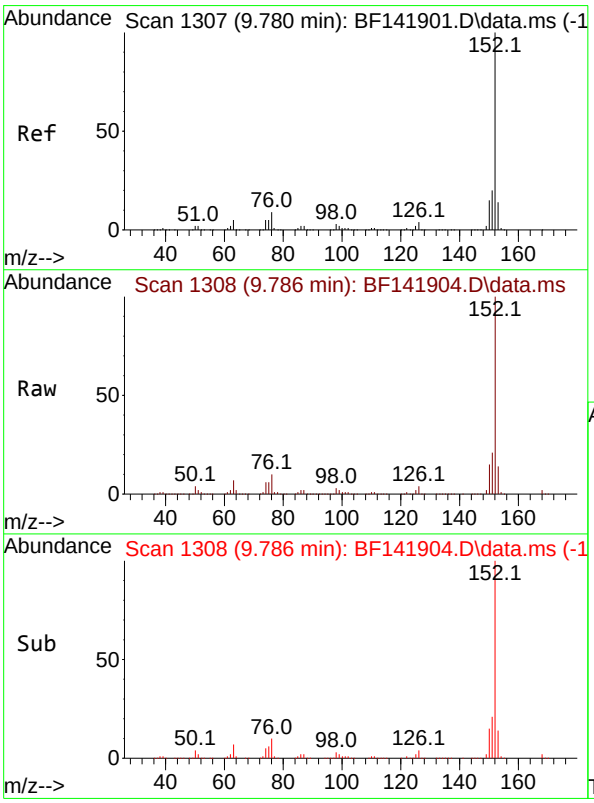
#48
2-Nitroaniline
Concen: 81.326 ng
RT: 9.463 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 65 Resp: 597778

Ion	Ratio	Lower	Upper
65	100		
92	70.8	56.6	84.8
138	106.9	88.6	133.0

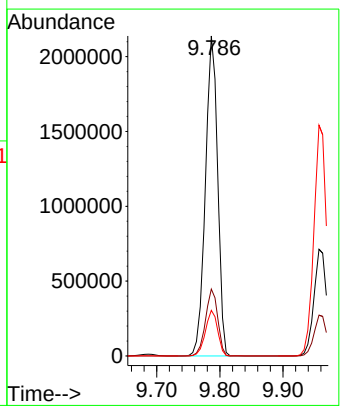


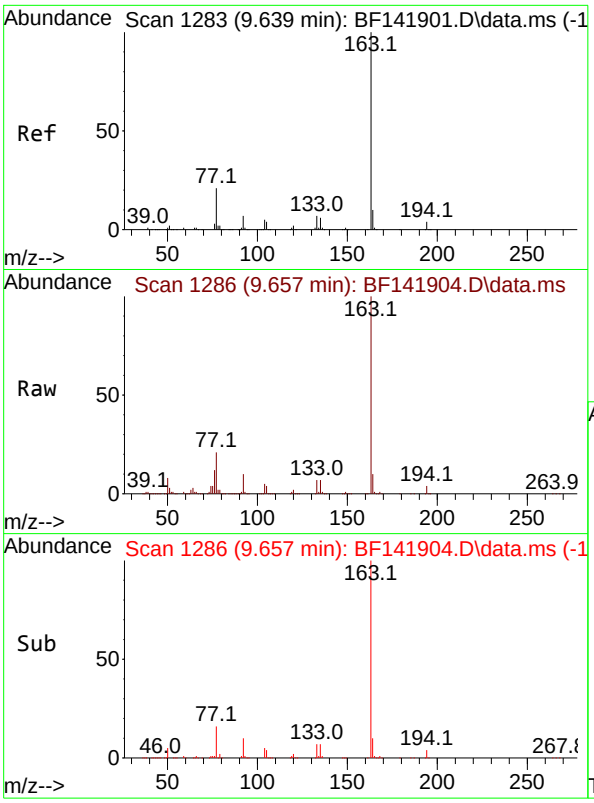


#49
Acenaphthylene
Concen: 75.877 ng
RT: 9.786 min Scan# 1308
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:152 Resp: 2878496

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.3	24.5
153	14.2	11.1	16.7



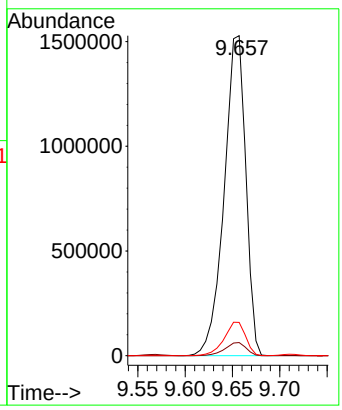


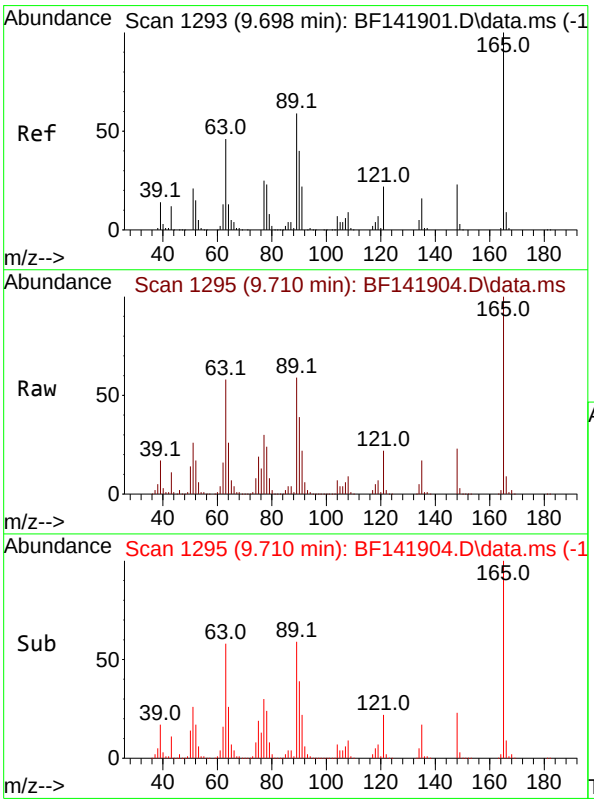
#50
Dimethylphthalate
Concen: 77.192 ng
RT: 9.657 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:163 Resp: 2428843

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.1	4.7
164	10.4	8.2	12.4

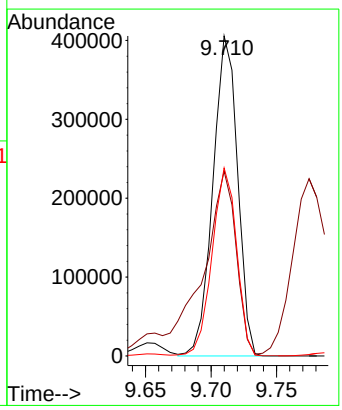


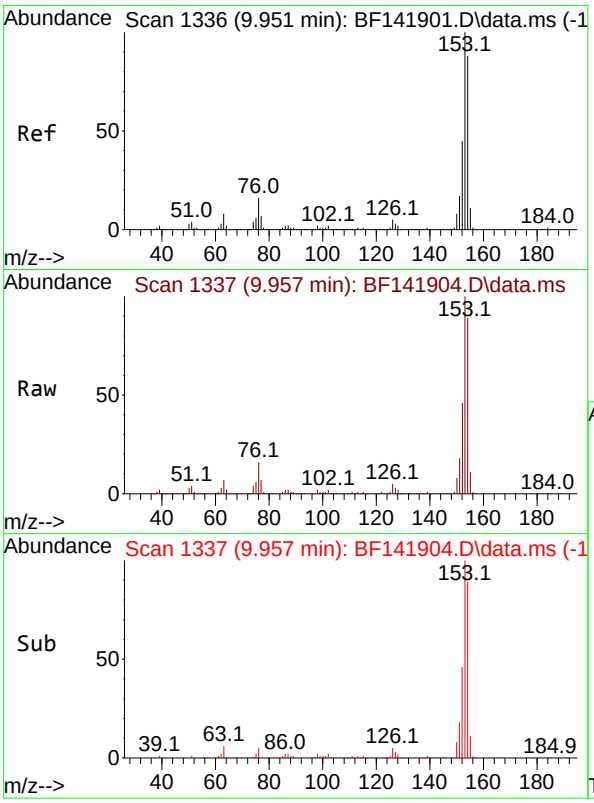


#51
2,6-Dinitrotoluene
Concen: 80.867 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:165 Resp: 529139

Ion	Ratio	Lower	Upper
165	100		
63	57.7	47.0	70.4
89	58.8	47.4	71.2



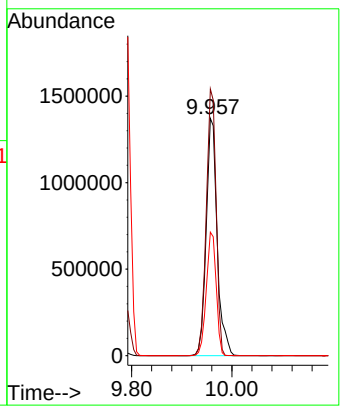


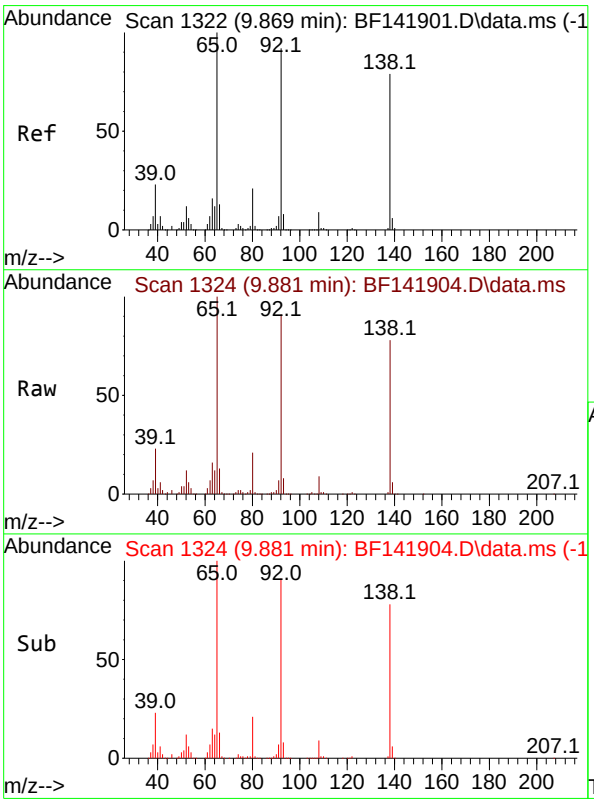
#52
Acenaphthene
Concen: 77.872 ng
RT: 9.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 2085941

Ion	Ratio	Lower	Upper
154	100		
153	112.4	90.7	136.1
152	52.0	41.1	61.7

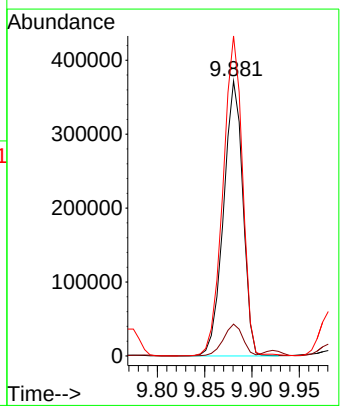


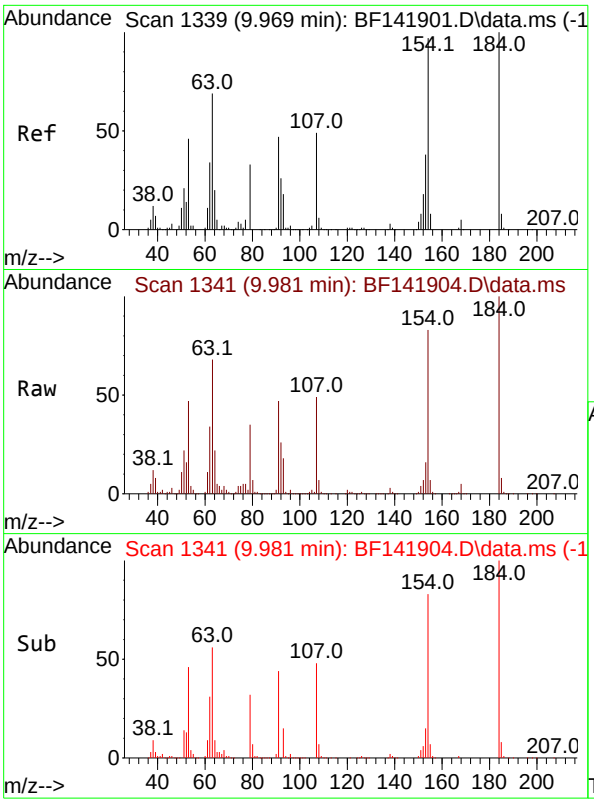


#53
3-Nitroaniline
Concen: 78.435 ng
RT: 9.881 min Scan# 1324
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:138 Resp: 526980

Ion	Ratio	Lower	Upper
138	100		
108	11.6	9.3	13.9
92	116.4	93.5	140.3



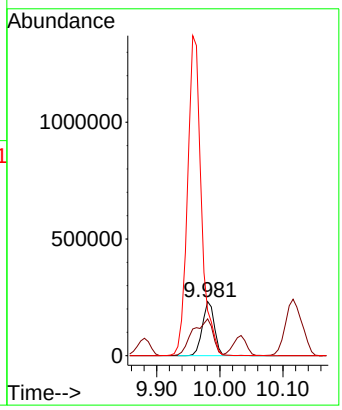


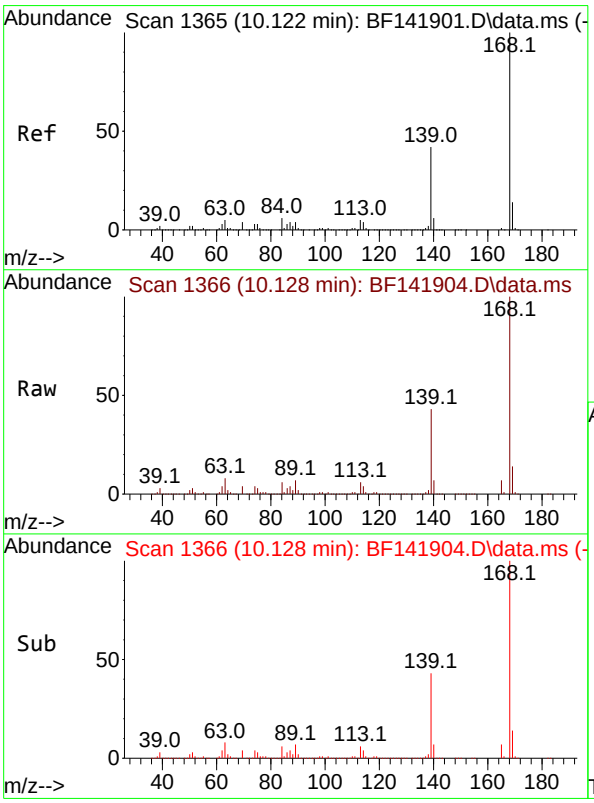
#54
2,4-Dinitrophenol
Concen: 81.479 ng
RT: 9.981 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 305399

Ion	Ratio	Lower	Upper
184	100		
63	68.1	60.2	90.4
154	82.9	132.9	199.3#

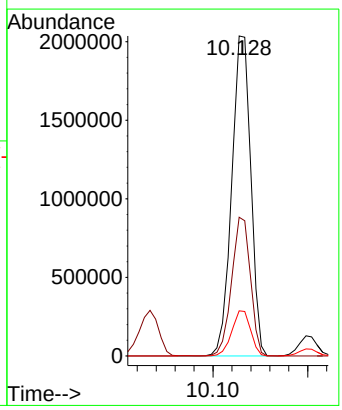


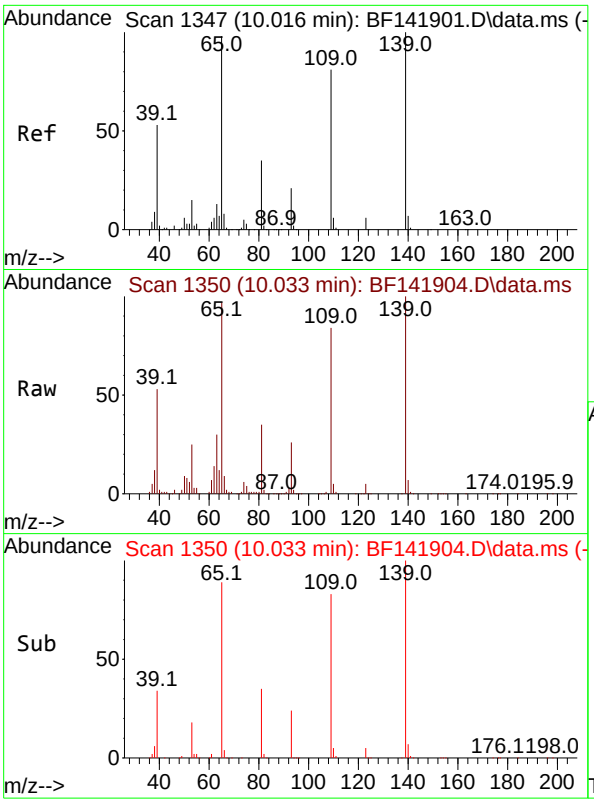


#55
Dibenzofuran
Concen: 74.474 ng
RT: 10.128 min Scan# 1366
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:168 Resp: 2844432

Ion	Ratio	Lower	Upper
168	100		
139	43.4	33.9	50.9
169	14.1	11.0	16.4



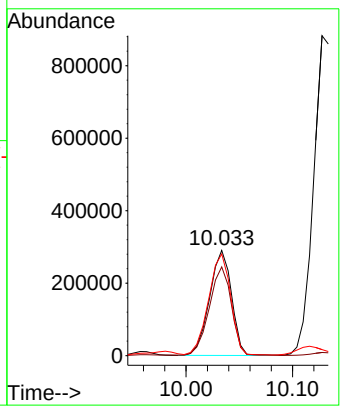


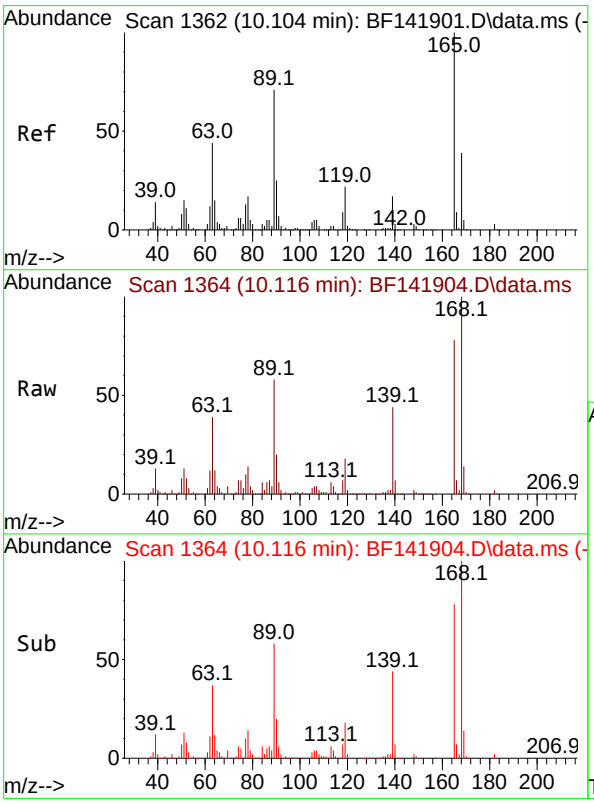
#56
4-Nitrophenol
Concen: 82.456 ng
RT: 10.033 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:139 Resp: 416153

Ion	Ratio	Lower	Upper
139	100		
109	84.3	61.6	101.6
65	96.7	79.4	119.4

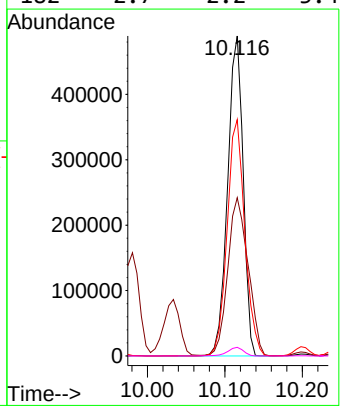


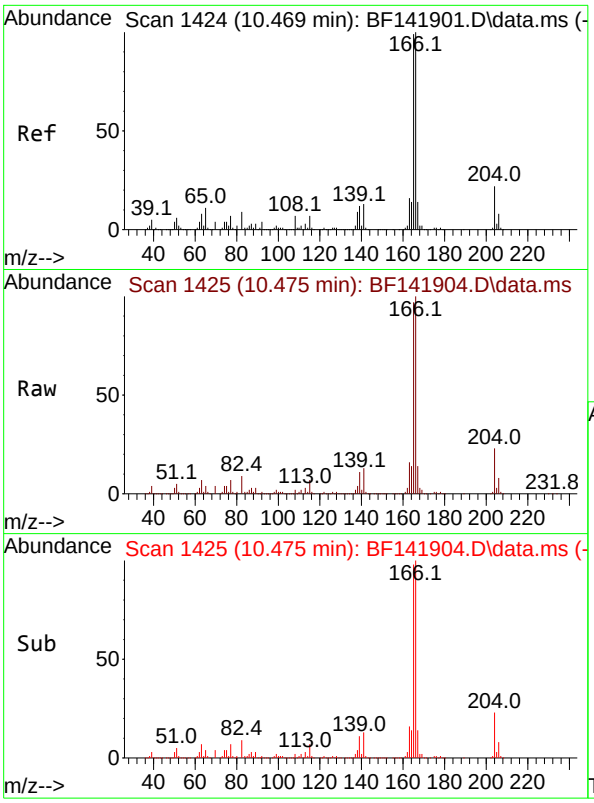


#57
2,4-Dinitrotoluene
Concen: 79.099 ng
RT: 10.116 min Scan# 1364
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:165 Resp: 681278

Ion	Ratio	Lower	Upper
165	100		
63	49.4	35.4	53.2
89	73.9	56.6	84.8
182	2.7	2.2	3.4



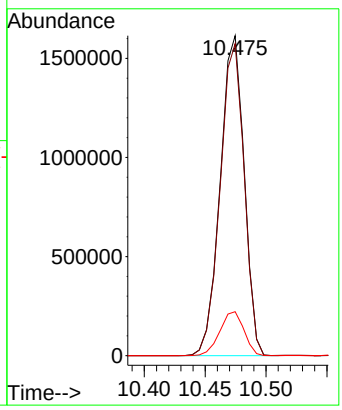


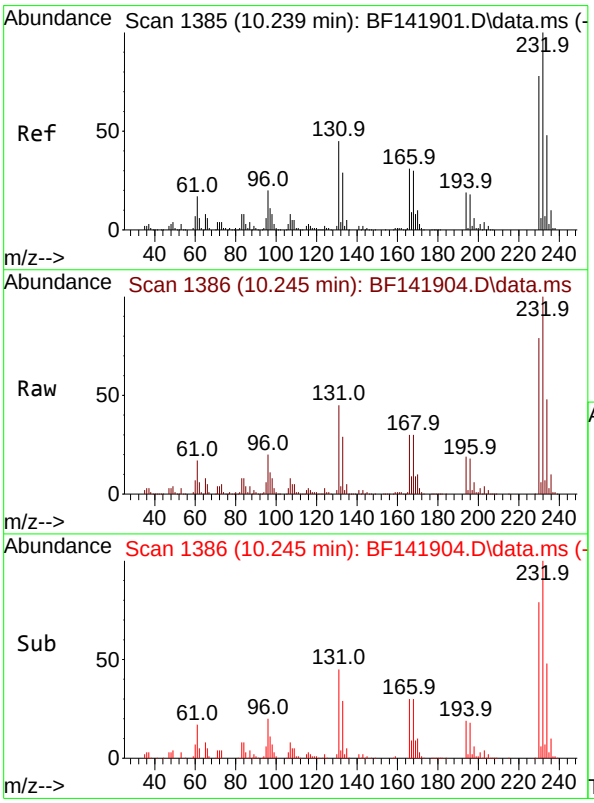
#58
Fluorene
Concen: 74.974 ng
RT: 10.475 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:166 Resp: 2210653

Ion	Ratio	Lower	Upper
166	100		
165	97.5	79.0	118.4
167	13.8	11.0	16.4

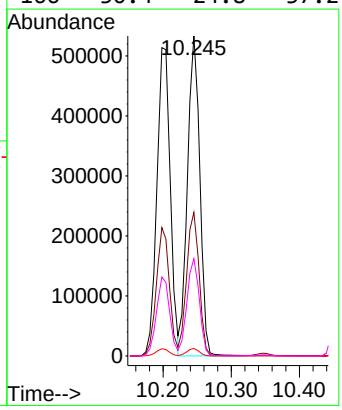


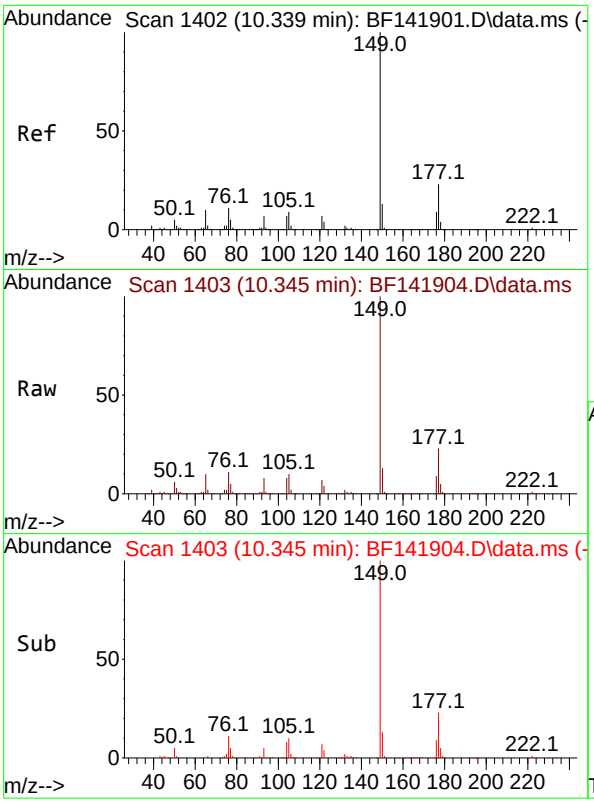


#59
2,3,4,6-Tetrachlorophenol
Concen: 80.507 ng
RT: 10.245 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:232 Resp: 668027

Ion	Ratio	Lower	Upper
232	100		
131	45.4	37.3	55.9
130	2.3	1.9	2.9
166	30.4	24.8	37.2



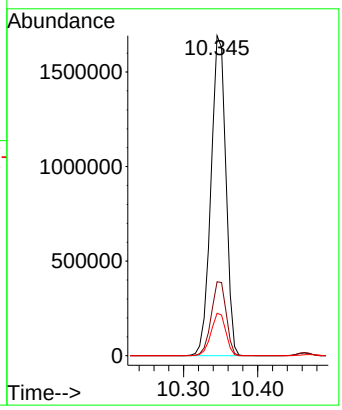


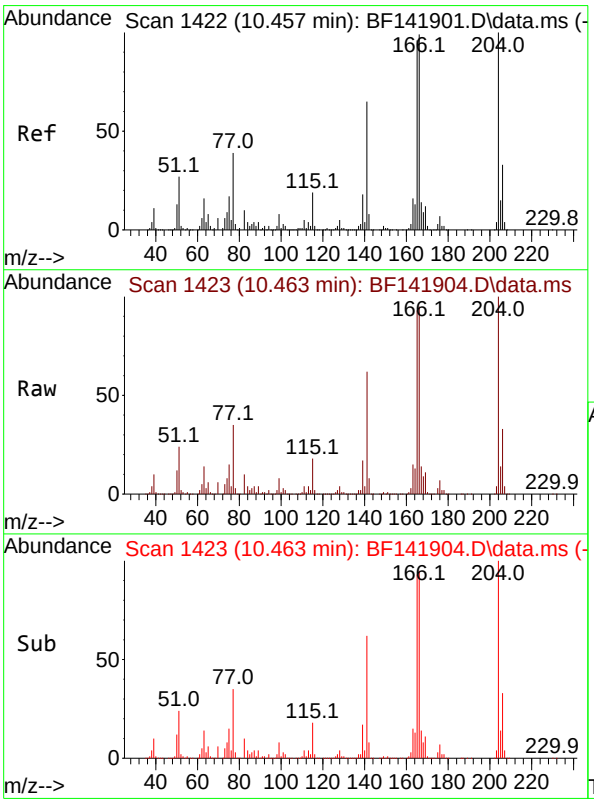
#60
Diethylphthalate
Concen: 74.681 ng
RT: 10.345 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 2358921

Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.0	27.0
150	13.3	10.2	15.4

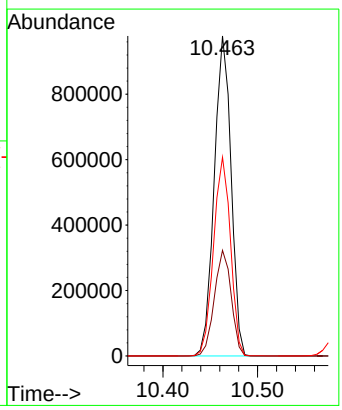


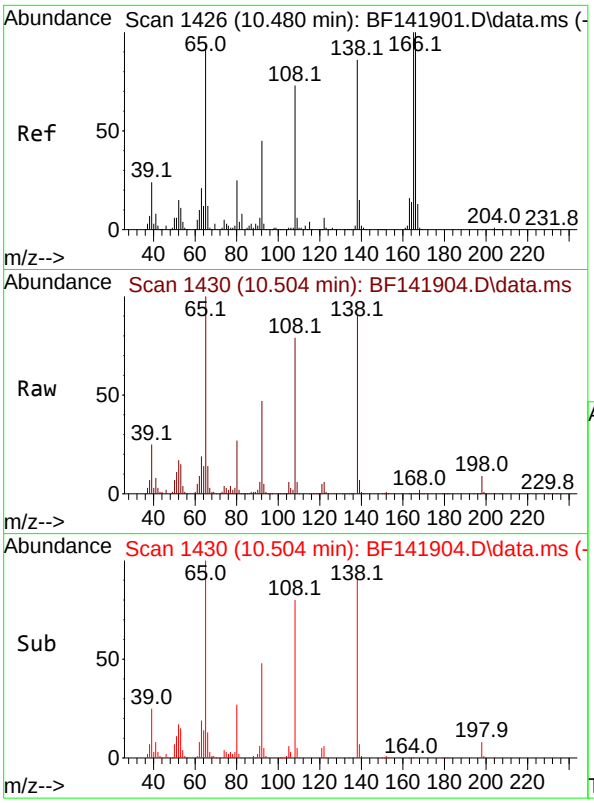


#61
4-Chlorophenyl-phenylether
Concen: 78.724 ng
RT: 10.463 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:204 Resp: 1209021

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.8	40.2
141	62.1	52.4	78.6



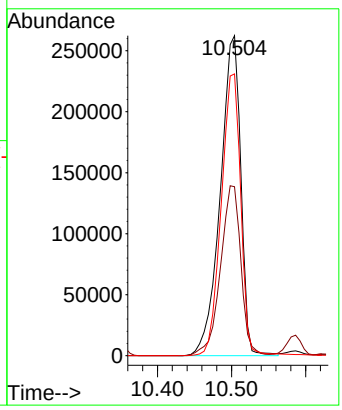


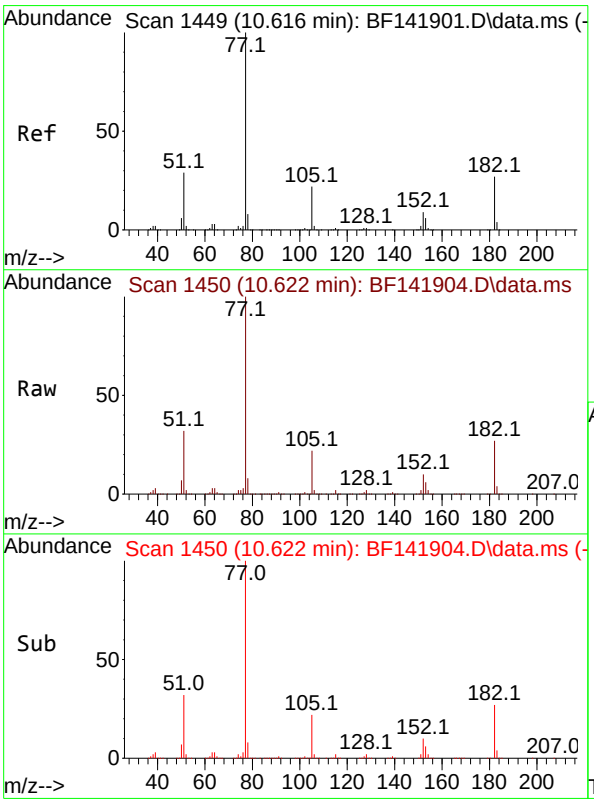
#62
4-Nitroaniline
Concen: 77.243 ng
RT: 10.504 min Scan# 14
Delta R.T. 0.024 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 502894

Ion	Ratio	Lower	Upper
138	100		
92	52.8	32.6	72.6
108	88.1	65.0	105.0

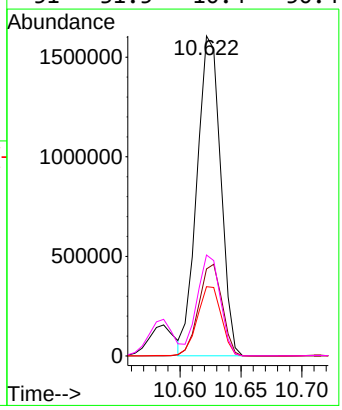


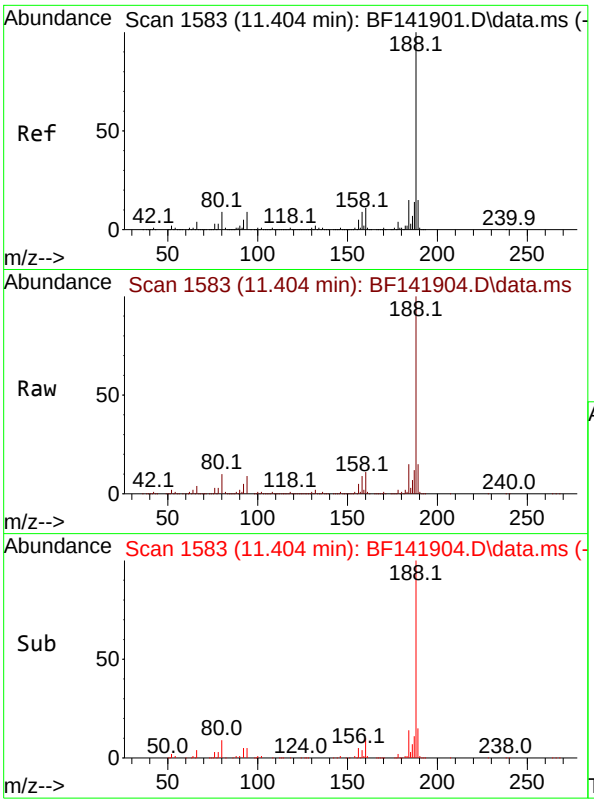


#63
Azobenzene
Concen: 73.911 ng
RT: 10.622 min Scan# 1450
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 77 Resp: 2168742

Ion	Ratio	Lower	Upper
77	100		
182	27.2	6.6	46.6
105	21.7	1.3	41.3
51	31.5	10.4	50.4



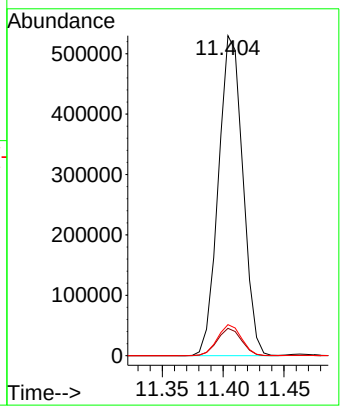


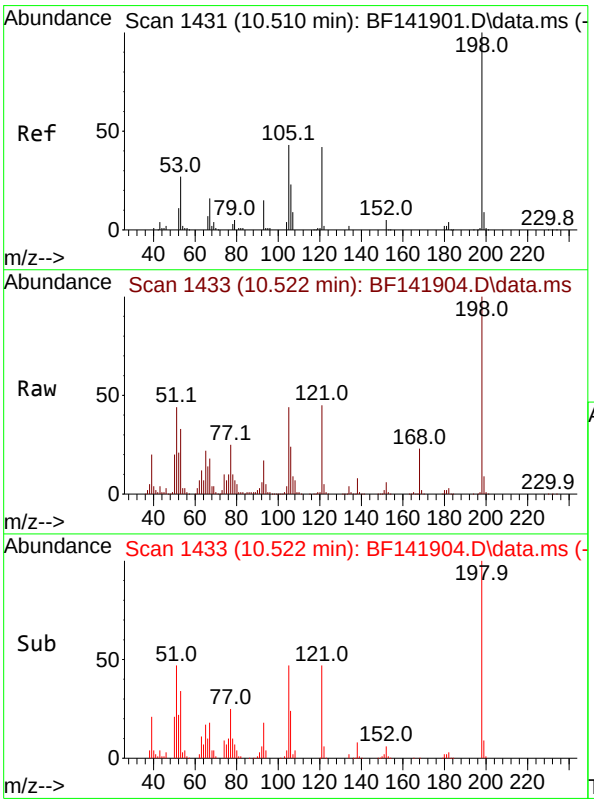
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:188 Resp: 738472

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.8	10.2
80	9.7	7.6	11.4

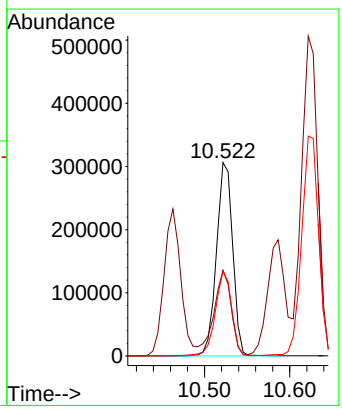


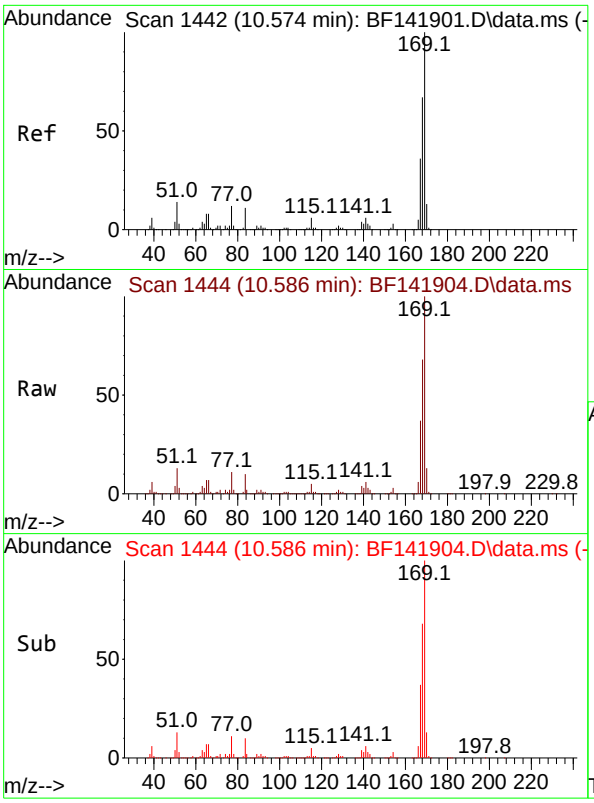


#65
4,6-Dinitro-2-methylphenol
Concen: 92.396 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:198 Resp: 404505

Ion	Ratio	Lower	Upper
198	100		
51	44.2	22.3	62.3
105	43.9	23.0	63.0



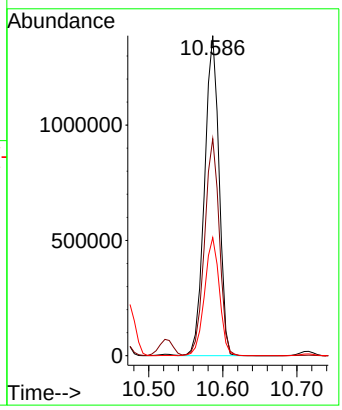


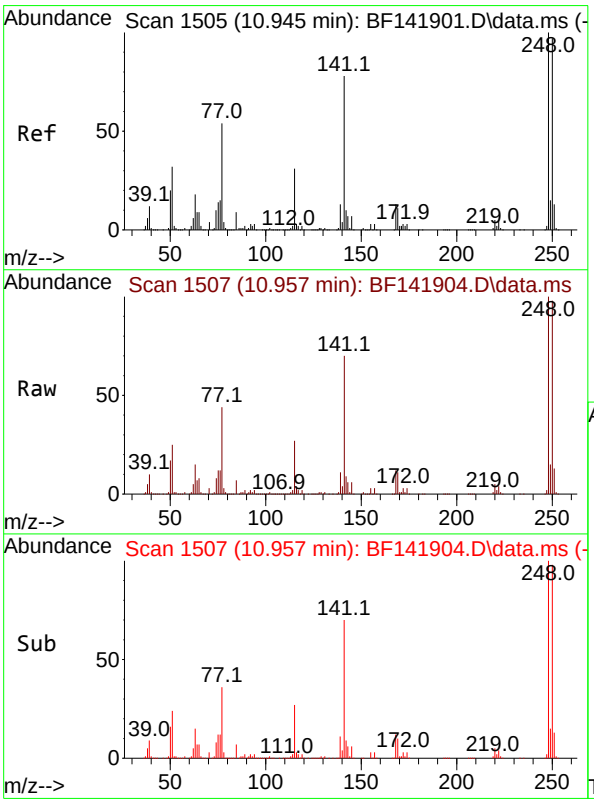
#66
n-Nitrosodiphenylamine
Concen: 78.895 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:169 Resp: 1882098

Ion	Ratio	Lower	Upper
169	100		
168	67.8	53.7	80.5
167	36.9	29.2	43.8

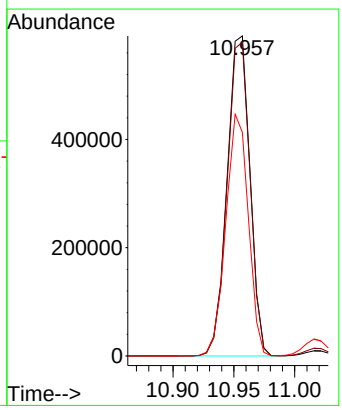


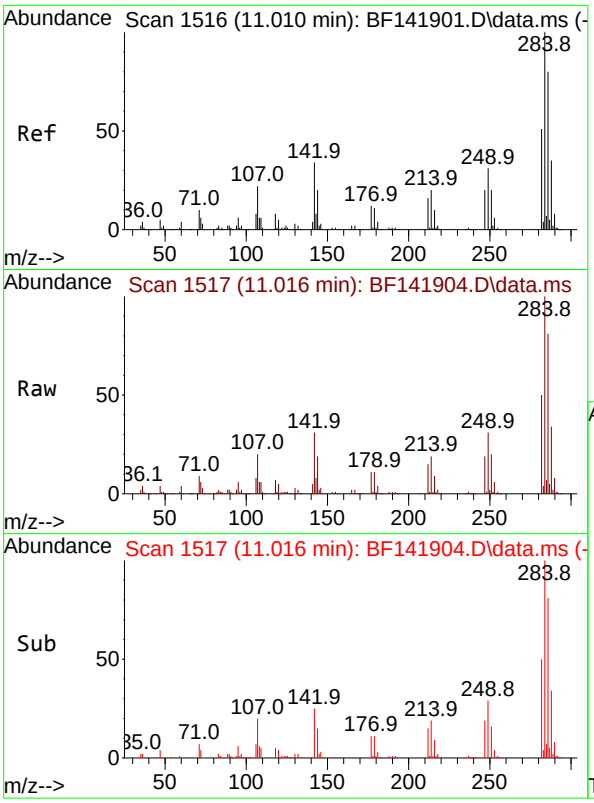


#67
4-Bromophenyl-phenylether
Concen: 84.232 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:248 Resp: 774645

Ion	Ratio	Lower	Upper
248	100		
250	98.1	77.8	116.8
141	69.9	62.6	93.8



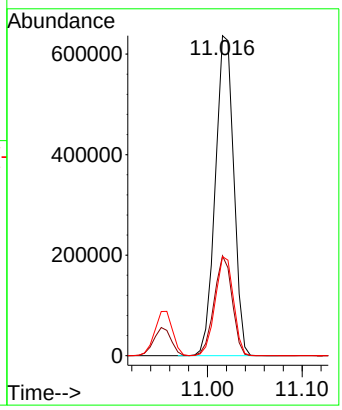


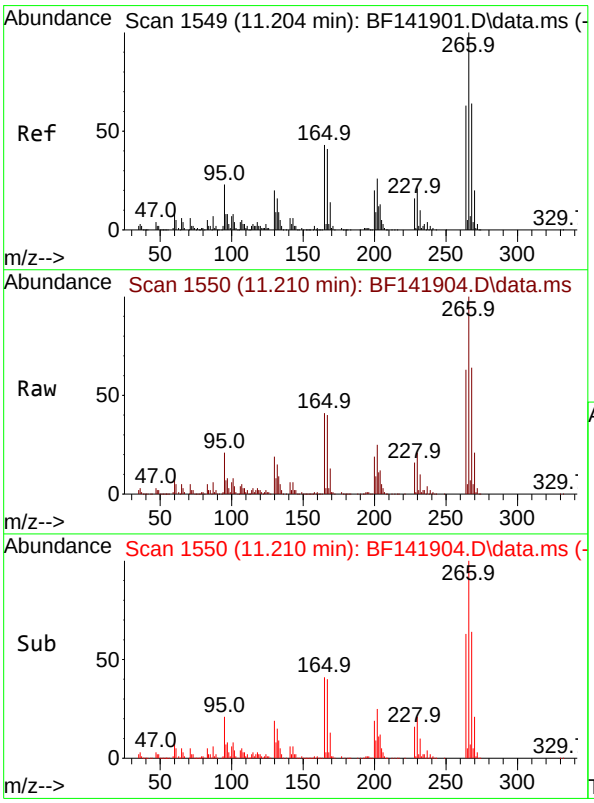
#68
Hexachlorobenzene
Concen: 84.832 ng
RT: 11.016 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:284 Resp: 862357

Ion	Ratio	Lower	Upper
284	100		
142	31.2	27.0	40.6
249	31.0	25.2	37.8

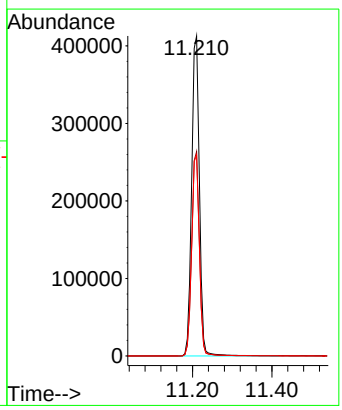


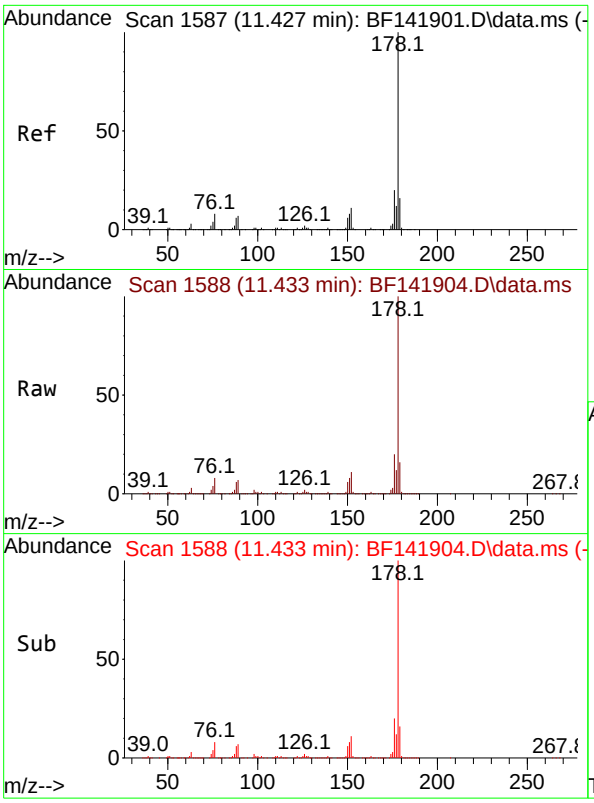


#70
Pentachlorophenol
Concen: 89.813 ng
RT: 11.210 min Scan# 1550
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:266 Resp: 563030

Ion	Ratio	Lower	Upper
266	100		
268	63.9	51.0	76.6
264	62.9	50.2	75.2



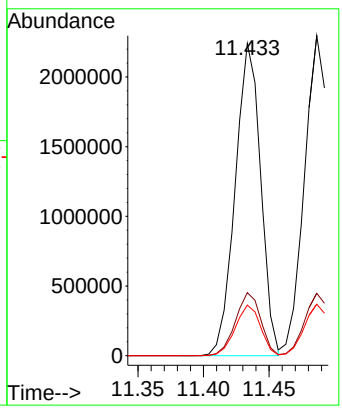


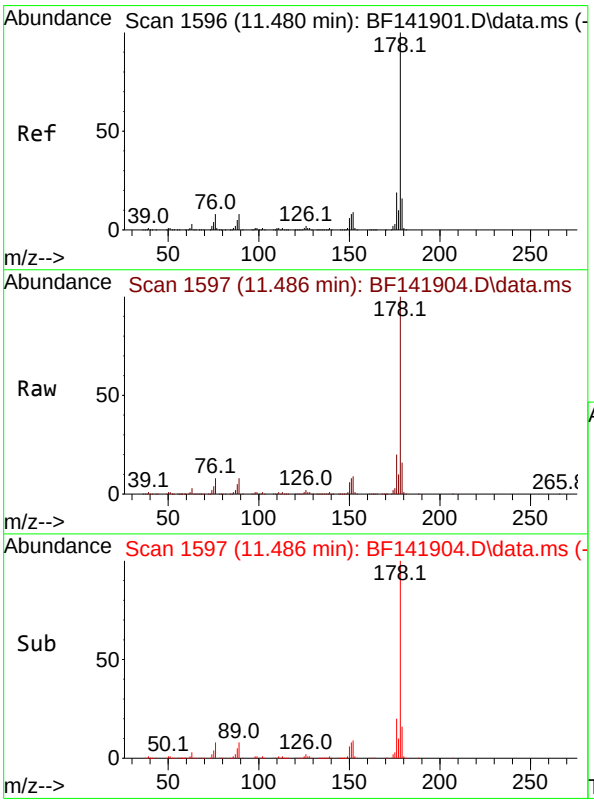
#71
Phenanthrene
Concen: 75.649 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 3020950

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.8
179	16.2	12.6	19.0

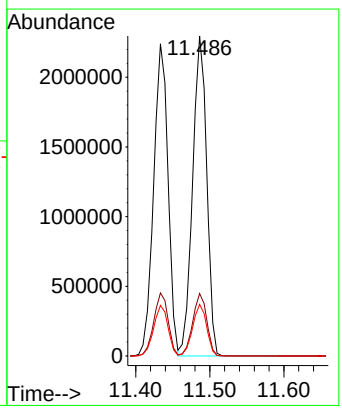


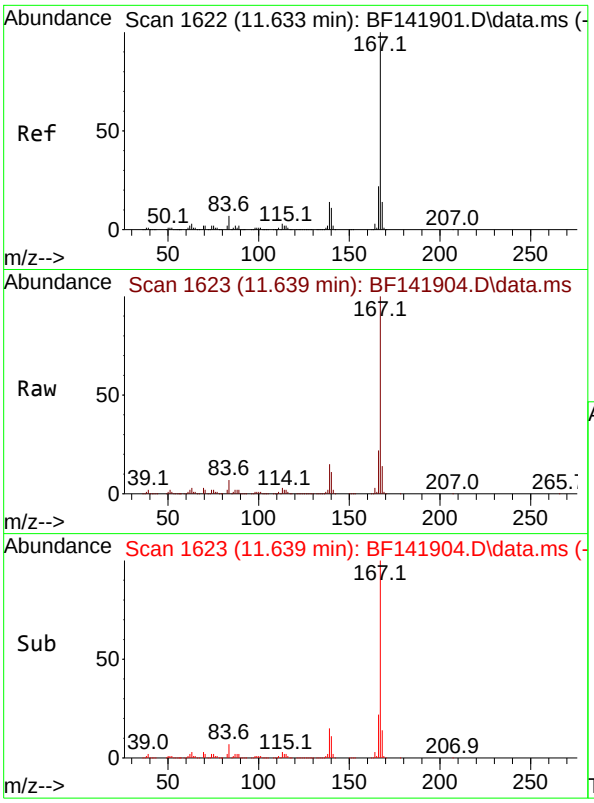


#72
Anthracene
Concen: 75.653 ng
RT: 11.486 min Scan# 1597
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:178 Resp: 3031014

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.1	22.7
179	16.1	12.6	19.0



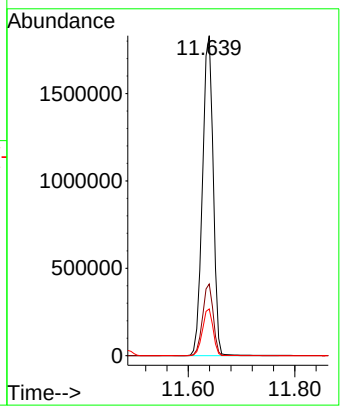


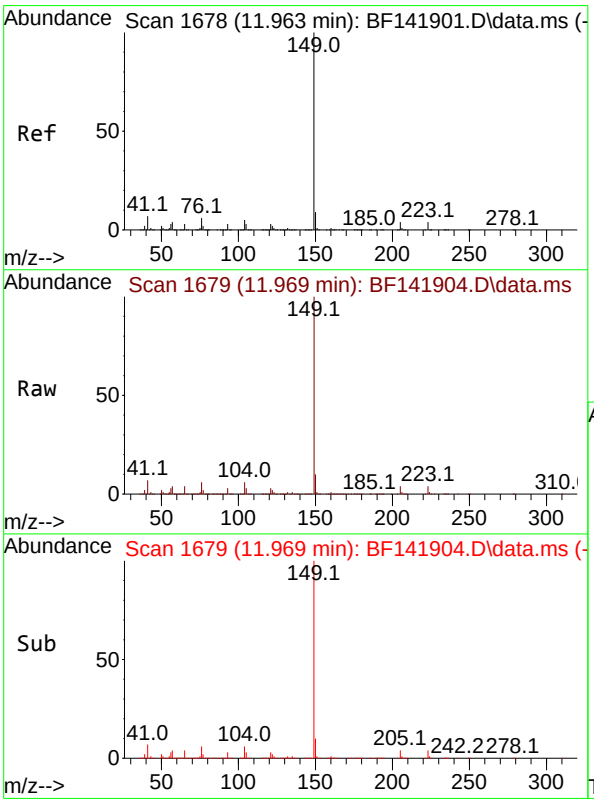
#73
Carbazole
Concen: 74.002 ng
RT: 11.639 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:167 Resp: 2552563

Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.4	26.2
139	14.6	11.0	16.6

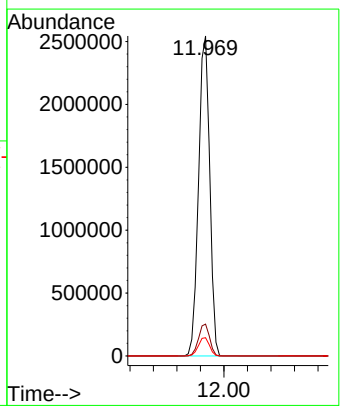


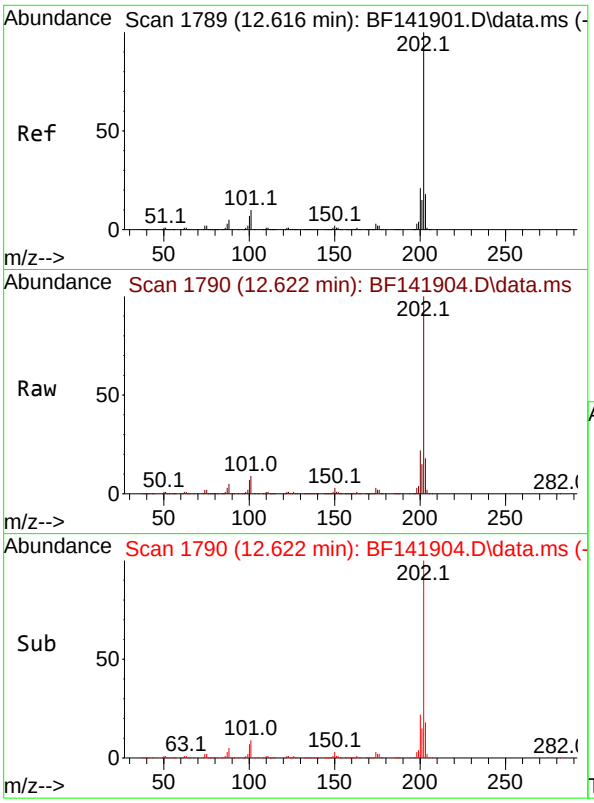


#74
Di-n-butylphthalate
Concen: 73.399 ng
RT: 11.969 min Scan# 1679
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:149 Resp: 3342776

Ion	Ratio	Lower	Upper
149	100		
150	10.0	7.6	11.4
104	5.7	4.4	6.6



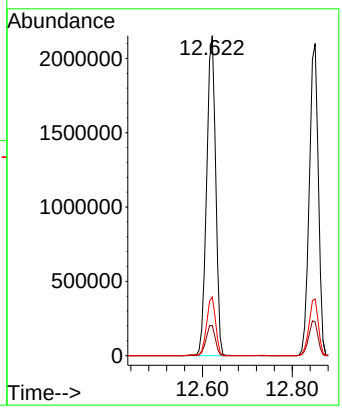


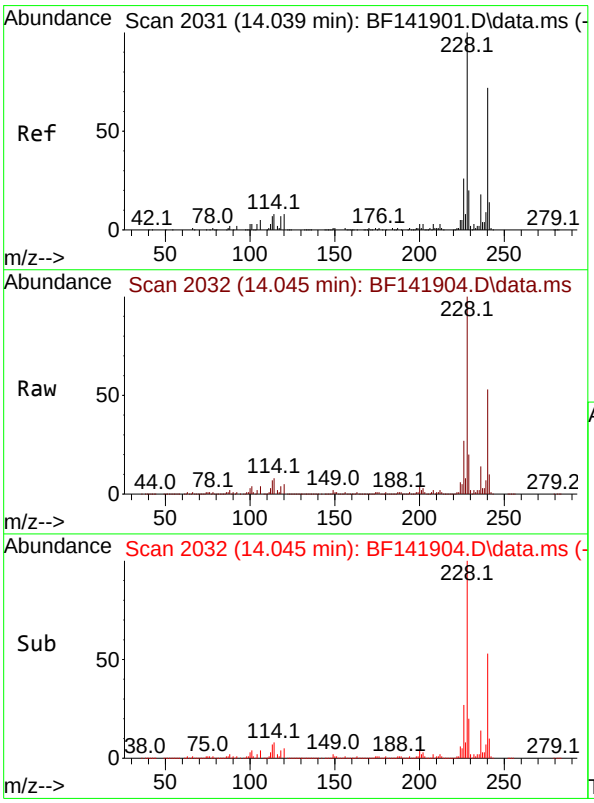
#75
Fluoranthene
Concen: 71.694 ng
RT: 12.622 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 3005566

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	29.7
203	18.4	0.0	37.8

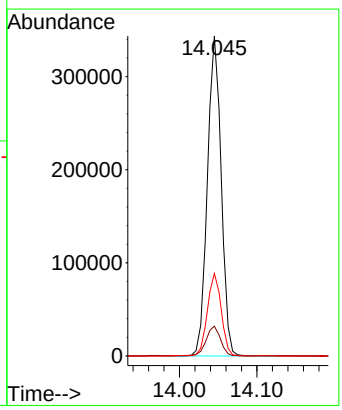


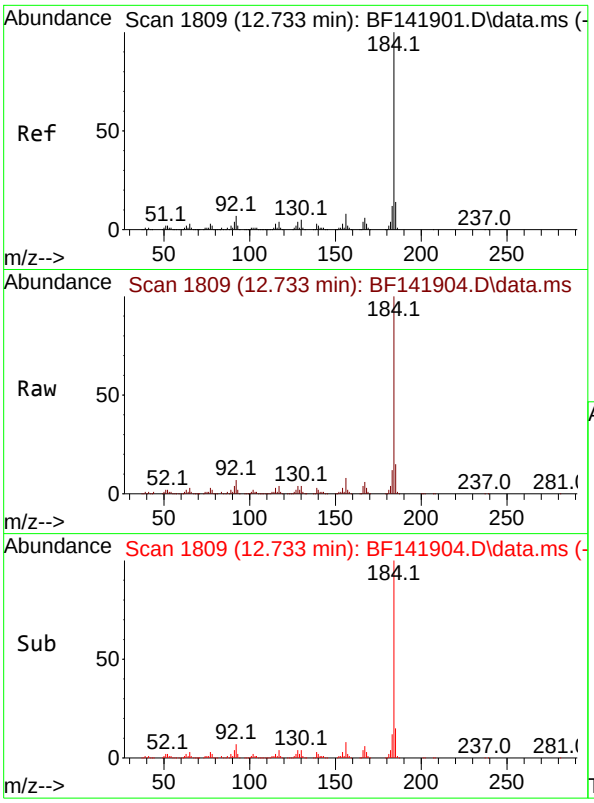


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:240 Resp: 424370

Ion	Ratio	Lower	Upper
240	100		
120	9.3	8.4	12.6
236	25.8	20.5	30.7



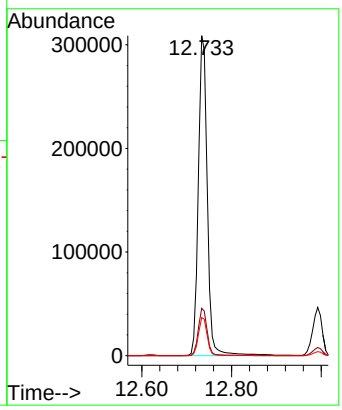


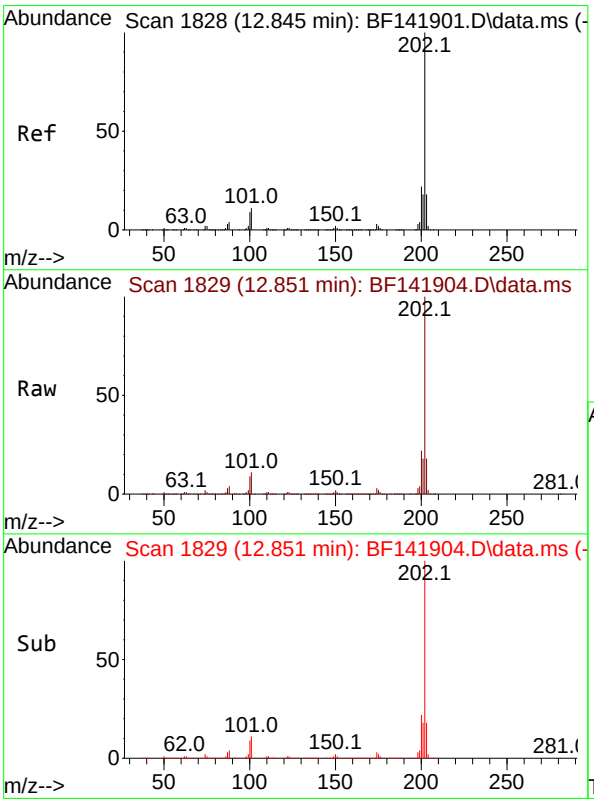
#77
Benzidine
Concen: 71.330 ng
RT: 12.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 427770

Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.5	17.3
183	11.9	9.7	14.5

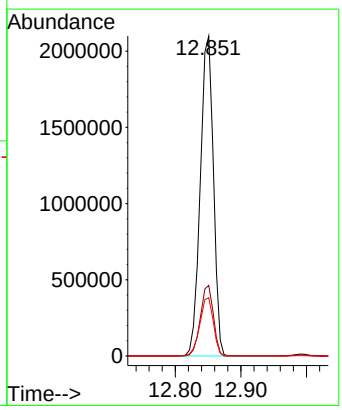


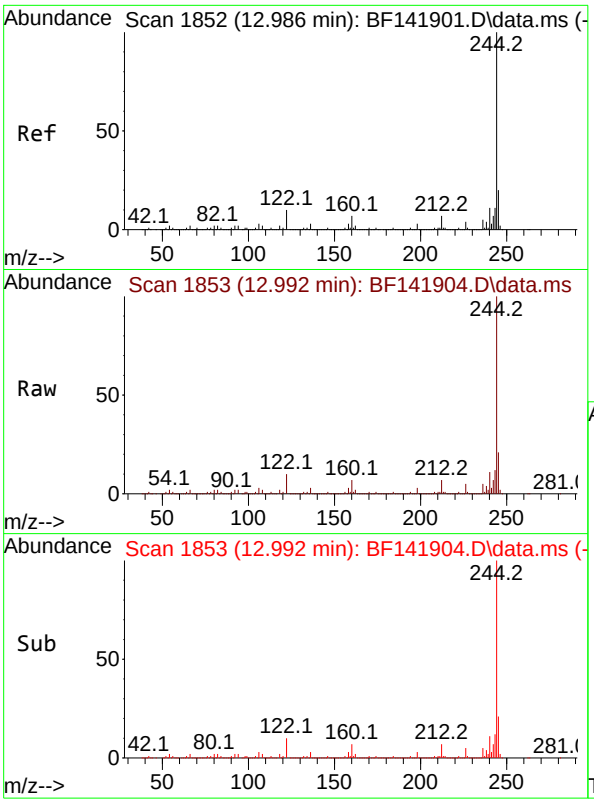


#78
Pyrene
Concen: 80.513 ng
RT: 12.851 min Scan# 1829
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:202 Resp: 2930115

Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.3	25.9
203	18.2	14.4	21.6



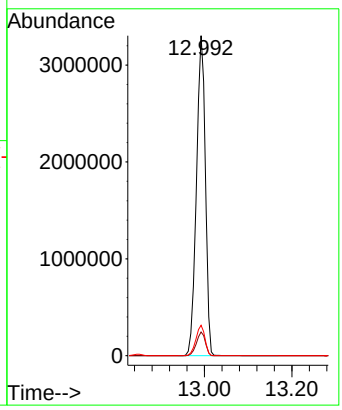


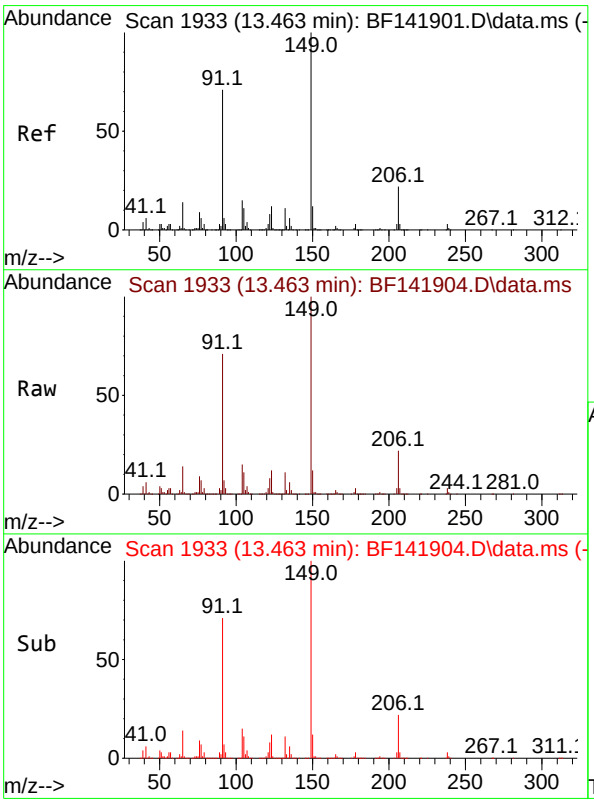
#79
Terphenyl-d14
Concen: 163.713 ng
RT: 12.992 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:244 Resp: 4700026

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	9.5	7.7	11.5

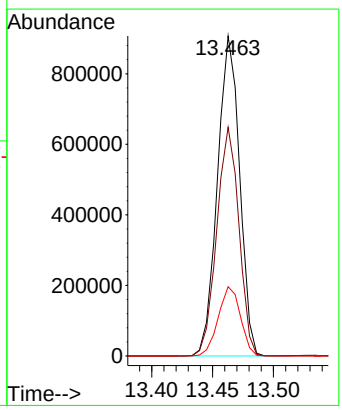


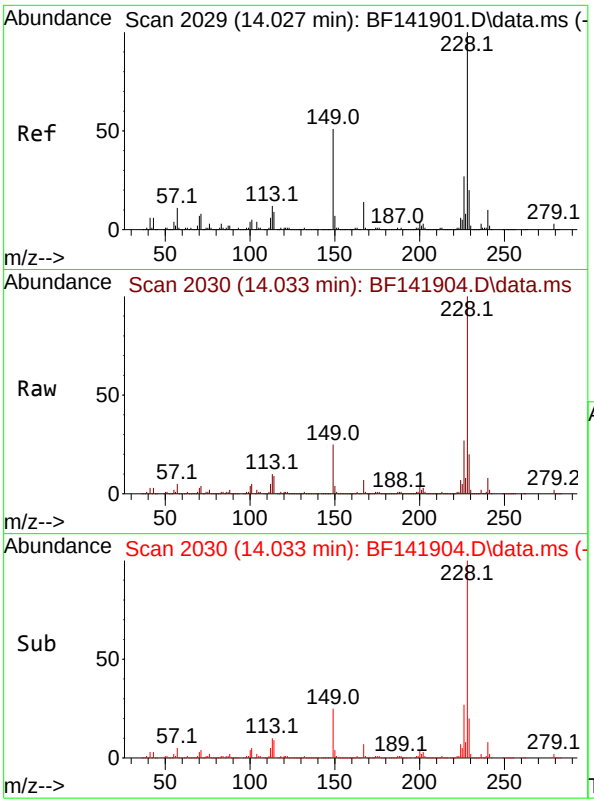


#80
Butylbenzylphthalate
Concen: 80.189 ng
RT: 13.463 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:149 Resp: 1149989

Ion	Ratio	Lower	Upper
149	100		
91	71.4	56.5	84.7
206	21.7	17.3	25.9



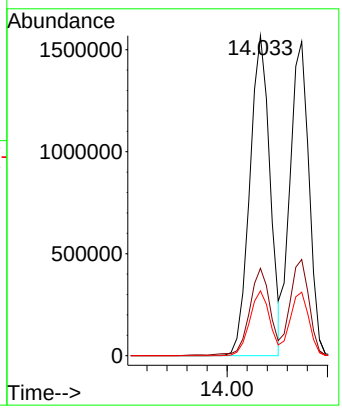


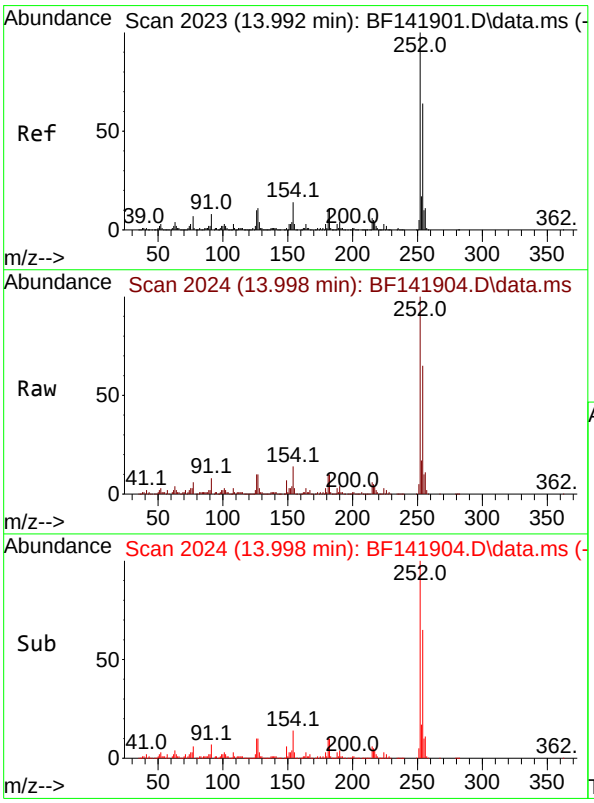
#81
Benzo(a)anthracene
Concen: 78.692 ng
RT: 14.033 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 2196935

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	20.3	16.0	24.0

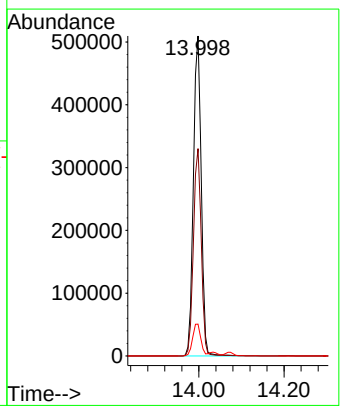


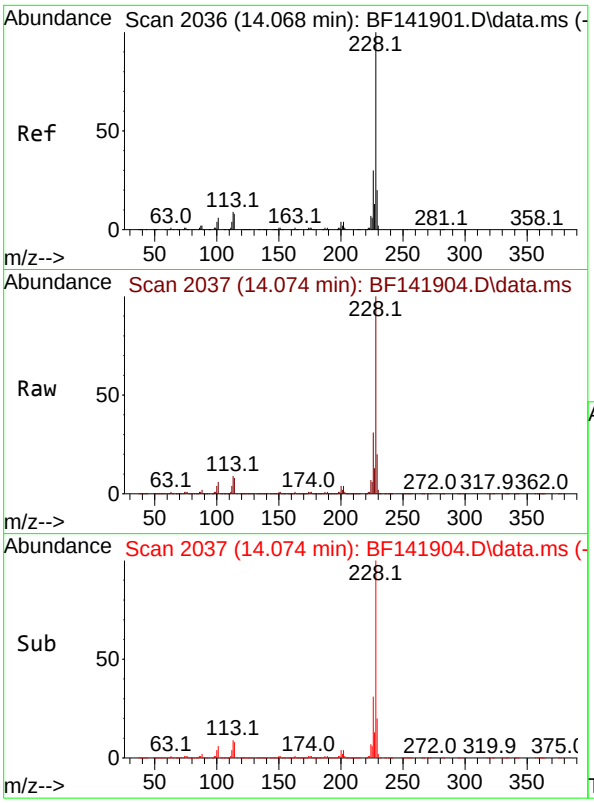


#82
3,3'-Dichlorobenzidine
Concen: 80.884 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:252 Resp: 652678

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.0	76.6
126	9.9	8.4	12.6



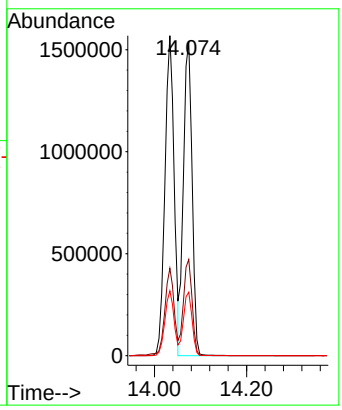


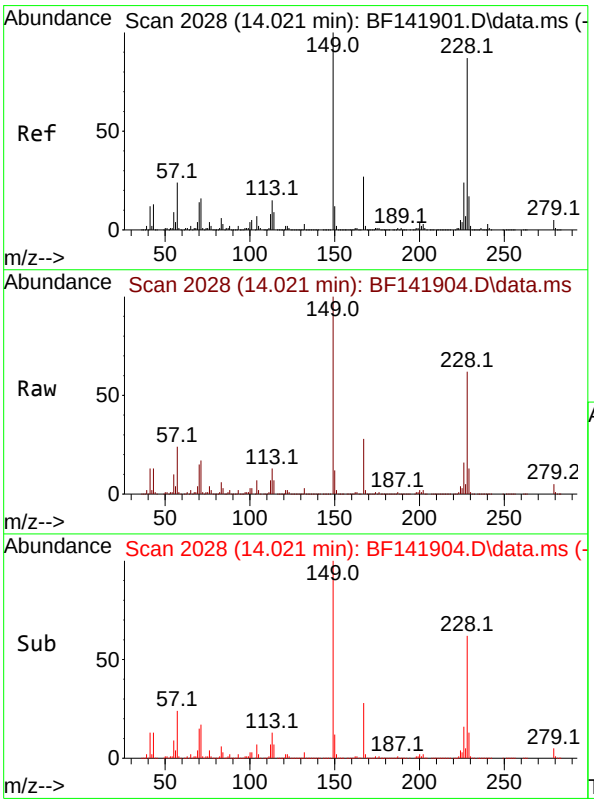
#83
Chrysene
Concen: 80.498 ng
RT: 14.074 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 2018832

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.1	36.1
229	20.2	15.7	23.5

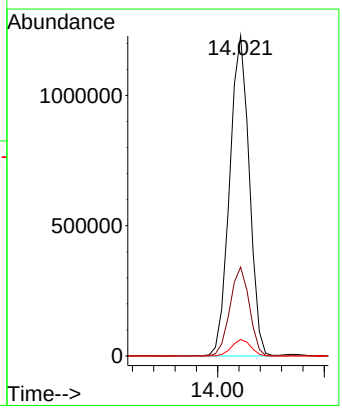


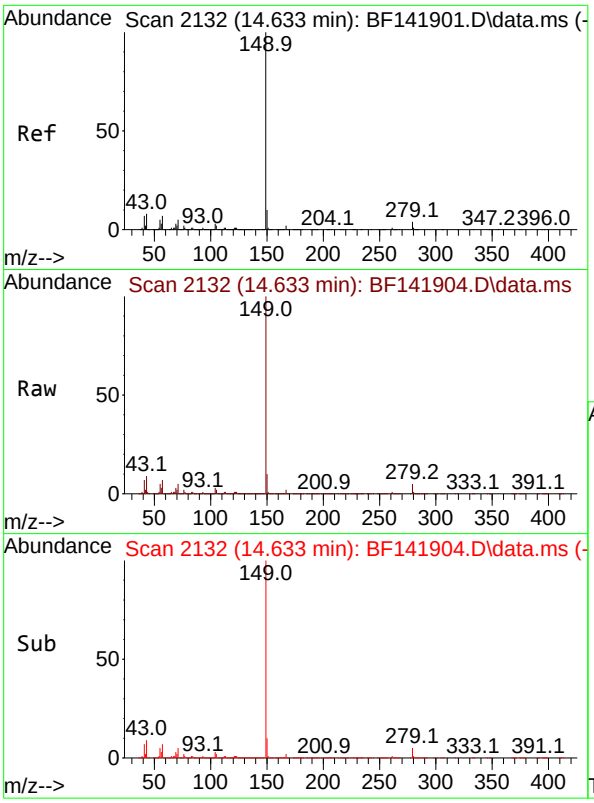


#84
Bis(2-ethylhexyl)phthalate
Concen: 79.962 ng
RT: 14.021 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:149 Resp: 1573231

Ion	Ratio	Lower	Upper
149	100		
167	27.7	21.4	32.0
279	5.2	3.8	5.6



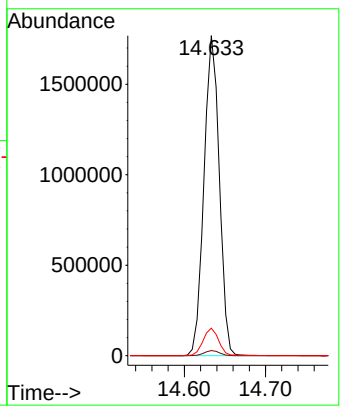


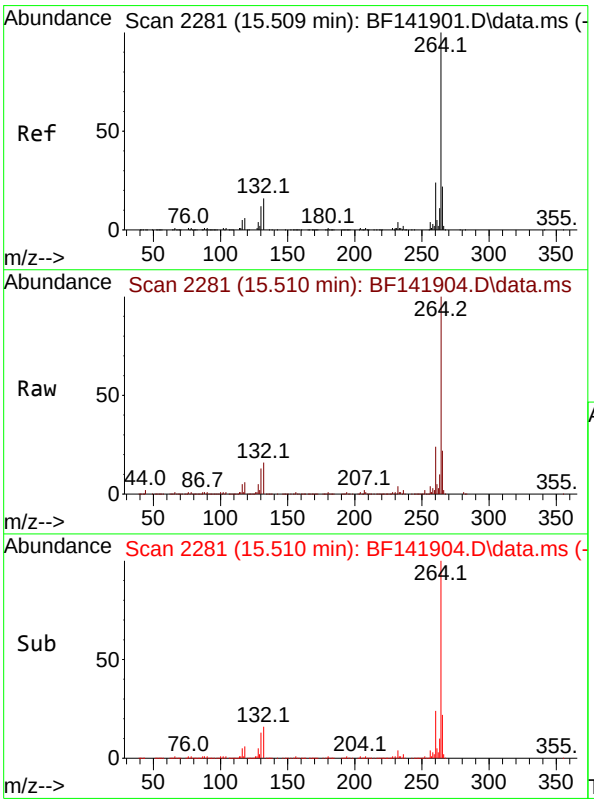
#85
Di-n-octyl phthalate
Concen: 84.386 ng
RT: 14.633 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 2310836

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.7	6.9	10.3

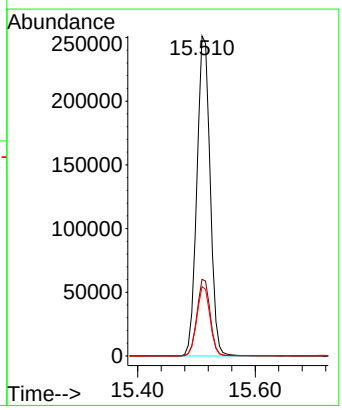


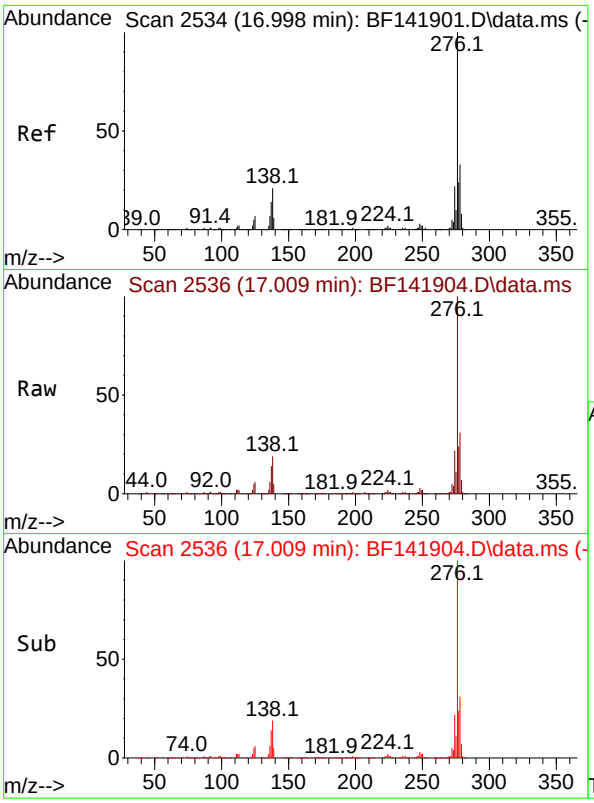


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:264 Resp: 391768

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	21.7	17.5	26.3



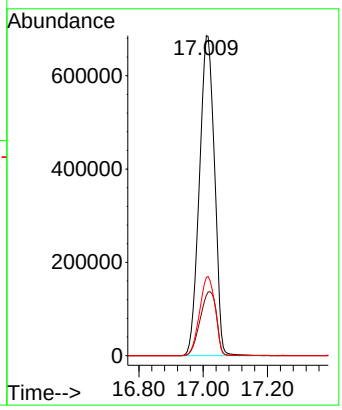


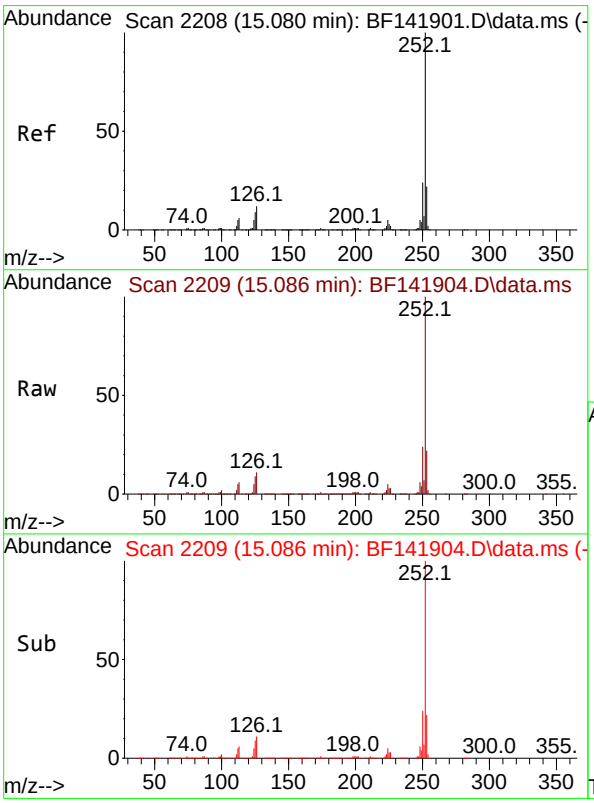
#87
Indeno(1,2,3-cd)pyrene
Concen: 88.111 ng
RT: 17.009 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 2238588

Ion	Ratio	Lower	Upper
276	100		
138	21.6	18.4	27.6
277	25.5	20.3	30.5

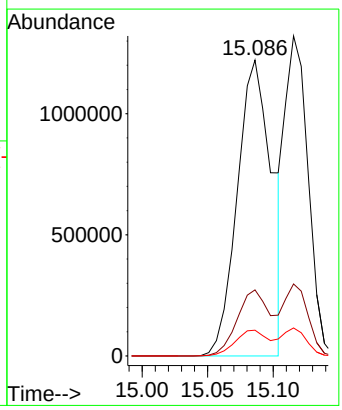


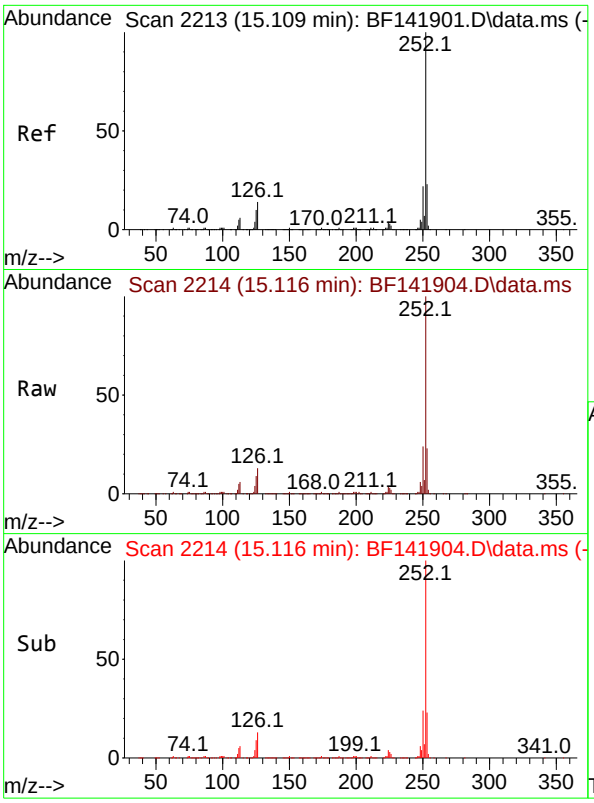


#88
Benzo(b)fluoranthene
Concen: 84.536 ng
RT: 15.086 min Scan# 2209
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:252 Resp: 2246428

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	8.7	7.0	10.4



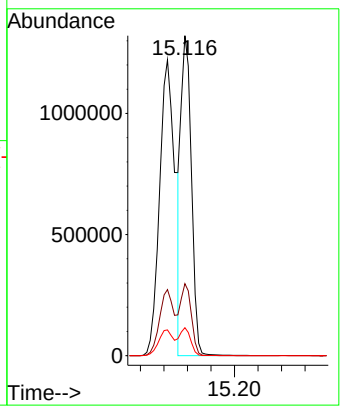


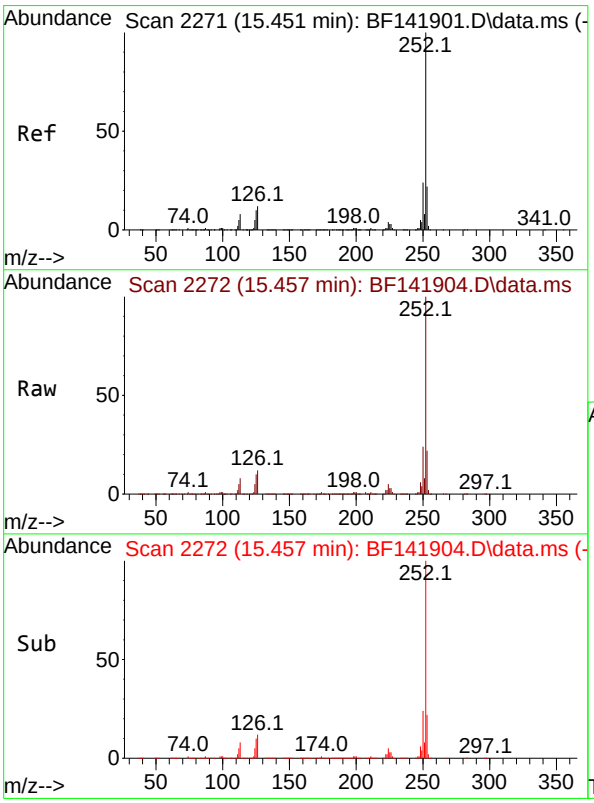
#89
Benzo(k)fluoranthene
Concen: 70.292 ng
RT: 15.116 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 1631675

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	8.8	7.2	10.8

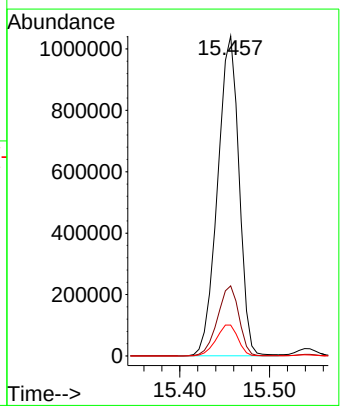


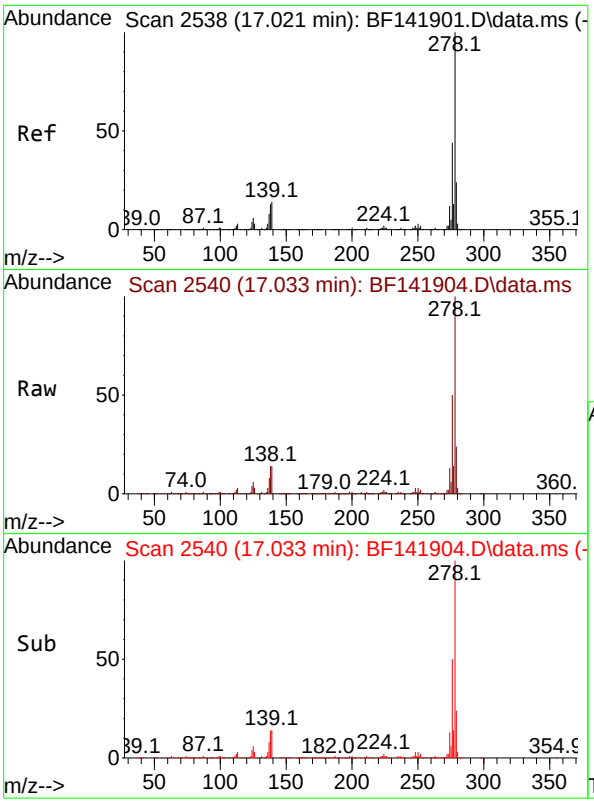


#90
Benzo(a)pyrene
Concen: 82.339 ng
RT: 15.457 min Scan# 2272
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:252 Resp: 1725632

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	9.7	7.8	11.8



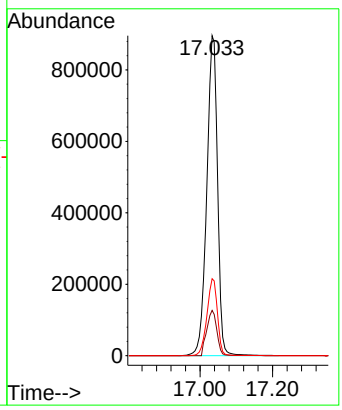


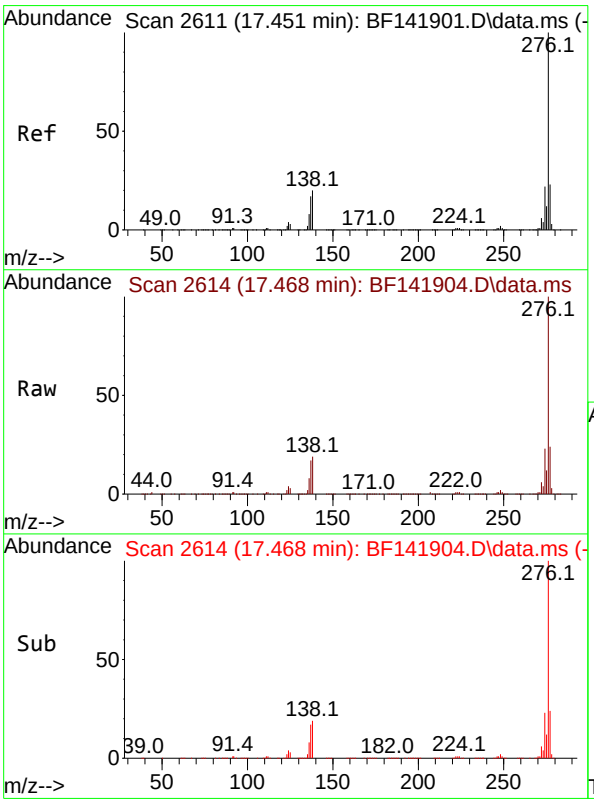
#91
Dibenzo(a,h)anthracene
Concen: 88.098 ng
RT: 17.033 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 1846778

Ion	Ratio	Lower	Upper
278	100		
139	14.1	11.4	17.2
279	24.1	18.8	28.2

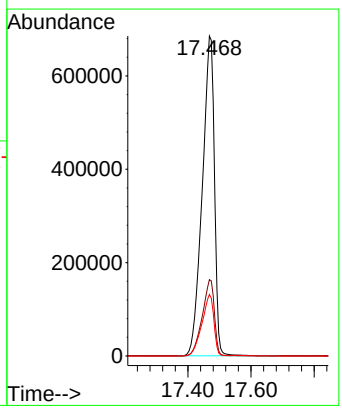




#92
Benzo(g,h,i)perylene
Concen: 87.950 ng
RT: 17.468 min Scan# 2614
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:276 Resp: 1828662

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.7	28.1
138	19.2	15.8	23.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141905.D
Acq On : 10 Mar 2025 15:20
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Mar 10 15:39:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	215017	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	877329	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	481971	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	811142	20.000	ng		0.00
76) Chrysene-d12	14.045	240	491943	20.000	ng		0.00
86) Perylene-d12	15.509	264	413564	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.492	112	1249601	96.967	ng		0.00
7) Phenol-d6	6.504	99	1594608	97.156	ng		0.00
23) Nitrobenzene-d5	7.445	82	1507471	96.304	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	625035	102.342	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	3064989	96.836	ng		0.00
79) Terphenyl-d14	12.992	244	3394803	102.007	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.675	88	266045	49.258	ng		99
3) Pyridine	3.434	79	646627	48.716	ng		99
4) n-Nitrosodimethylamine	3.398	42	320008	50.718	ng		99
6) Aniline	6.545	93	775854	47.884	ng		99
8) 2-Chlorophenol	6.669	128	696154	48.738	ng		100
9) Benzaldehyde	6.434	77	418049	45.569	ng		99
10) Phenol	6.522	94	829086	47.876	ng		96
11) bis(2-Chloroethyl)ether	6.616	93	631516	48.672	ng		100
12) 1,3-Dichlorobenzene	6.822	146	753352	48.807	ng		99
13) 1,4-Dichlorobenzene	6.898	146	756875	48.465	ng		100
14) 1,2-Dichlorobenzene	7.051	146	706635	48.049	ng		100
15) Benzyl Alcohol	7.022	79	652454	49.113	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	745710	47.687	ng		100
17) 2-Methylphenol	7.128	107	557981	49.153	ng		99
18) Hexachloroethane	7.392	117	290127	49.551	ng		99
19) n-Nitroso-di-n-propyla...	7.298	70	505166	47.887	ng		99
20) 3+4-Methylphenols	7.286	107	704563	48.388	ng	#	86
22) Acetophenone	7.292	105	987577	46.924	ng		97
24) Nitrobenzene	7.463	77	752936	48.514	ng		99
25) Isophorone	7.704	82	1327254	48.027	ng		99
26) 2-Nitrophenol	7.781	139	392772	51.644	ng		100
27) 2,4-Dimethylphenol	7.810	122	510395	48.725	ng		99
28) bis(2-Chloroethoxy)met...	7.910	93	826776	47.757	ng		100
29) 2,4-Dichlorophenol	8.016	162	647319	49.793	ng		100
30) 1,2,4-Trichlorobenzene	8.104	180	697274	48.617	ng		99
31) Naphthalene	8.186	128	2196111	48.863	ng		100
32) Benzoic acid	7.939	122	500593	54.676	ng		100
33) 4-Chloroaniline	8.233	127	775699	48.909	ng		99
34) Hexachlorobutadiene	8.304	225	469787	50.376	ng		99
35) Caprolactam	8.616	113	193267	48.891	ng		95
36) 4-Chloro-3-methylphenol	8.710	107	721800	49.925	ng		100
37) 2-Methylnaphthalene	8.875	142	1436485	47.638	ng		100
38) 1-Methylnaphthalene	8.975	142	1357356	46.482	ng		100
40) 1,2,4,5-Tetrachloroben...	9.039	216	719431	48.955	ng		99
41) Hexachlorocyclopentadiene	9.027	237	284968	49.142	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	481782	50.291	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141905.D
Acq On : 10 Mar 2025 15:20
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Mar 10 15:39:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	482570	49.580	ng		99
46) 1,1'-Biphenyl	9.339	154	1809746	49.526	ng		99
47) 2-Chloronaphthalene	9.369	162	1360528	49.960	ng		99
48) 2-Nitroaniline	9.457	65	429111	54.854	ng		97
49) Acenaphthylene	9.780	152	2005538	49.674	ng		100
50) Dimethylphthalate	9.645	163	1716995	51.273	ng		100
51) 2,6-Dinitrotoluene	9.704	165	370368	53.184	ng		96
52) Acenaphthene	9.957	154	1377901	48.333	ng		98
53) 3-Nitroaniline	9.874	138	340633	47.638	ng		100
54) 2,4-Dinitrophenol	9.975	184	184410	49.104	ng	#	58
55) Dibenzofuran	10.127	168	1936780	47.647	ng		99
56) 4-Nitrophenol	10.022	139	276487	51.474	ng		99
57) 2,4-Dinitrotoluene	10.104	165	461276	50.321	ng		97
58) Fluorene	10.469	166	1497123	47.708	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	438025	49.600	ng		100
60) Diethylphthalate	10.339	149	1635073	48.639	ng		100
61) 4-Chlorophenyl-phenyle...	10.457	204	799744	48.929	ng		99
62) 4-Nitroaniline	10.486	138	346378	49.990	ng		99
63) Azobenzene	10.622	77	1519356	48.653	ng		98
65) 4,6-Dinitro-2-methylph...	10.516	198	262910	54.673	ng		99
66) n-Nitrosodiphenylamine	10.580	169	1293745	49.373	ng		100
67) 4-Bromophenyl-phenylether	10.951	248	532762	52.740	ng		97
68) Hexachlorobenzene	11.016	284	573467	51.359	ng		97
69) Atrazine	11.104	200	418147	65.441	ng		99
70) Pentachlorophenol	11.204	266	365292	53.050	ng		99
71) Phenanthrene	11.433	178	2080633	47.434	ng		100
72) Anthracene	11.480	178	2081490	47.299	ng		99
73) Carbazole	11.633	167	1831424	48.338	ng		99
74) Di-n-butylphthalate	11.963	149	2510447	50.185	ng		99
75) Fluoranthene	12.616	202	2328357	50.564	ng		99
77) Benzidine	12.733	184	270893	38.966	ng		99
78) Pyrene	12.845	202	2308671	54.723	ng		100
80) Butylbenzylphthalate	13.463	149	864849	52.022	ng		99
81) Benzo(a)anthracene	14.033	228	1592035	49.192	ng		100
82) 3,3'-Dichlorobenzidine	13.992	252	449408	48.044	ng		99
83) Chrysene	14.068	228	1465389	50.404	ng		100
84) Bis(2-ethylhexyl)phtha...	14.021	149	1203021	52.747	ng		99
85) Di-n-octyl phthalate	14.633	149	1692206	53.307	ng		100
87) Indeno(1,2,3-cd)pyrene	17.003	276	1366974	50.969	ng		99
88) Benzo(b)fluoranthene	15.080	252	1392083	49.625	ng		99
89) Benzo(k)fluoranthene	15.109	252	1167351	47.638	ng		100
90) Benzo(a)pyrene	15.451	252	1119256	50.591	ng		99
91) Dibenzo(a,h)anthracene	17.021	278	1131875	51.149	ng		99
92) Benzo(g,h,i)perylene	17.456	276	1099760	50.106	ng		99

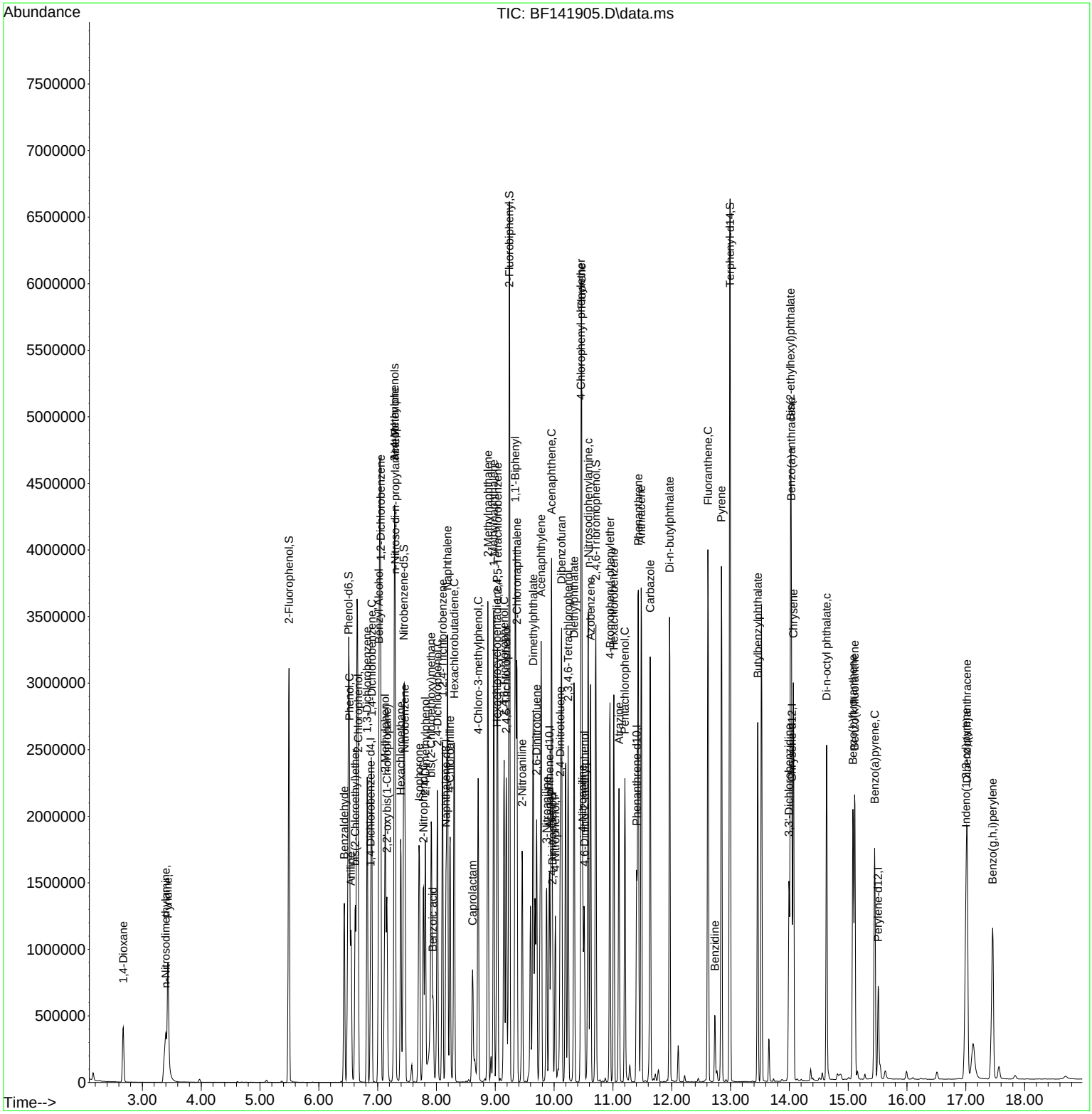
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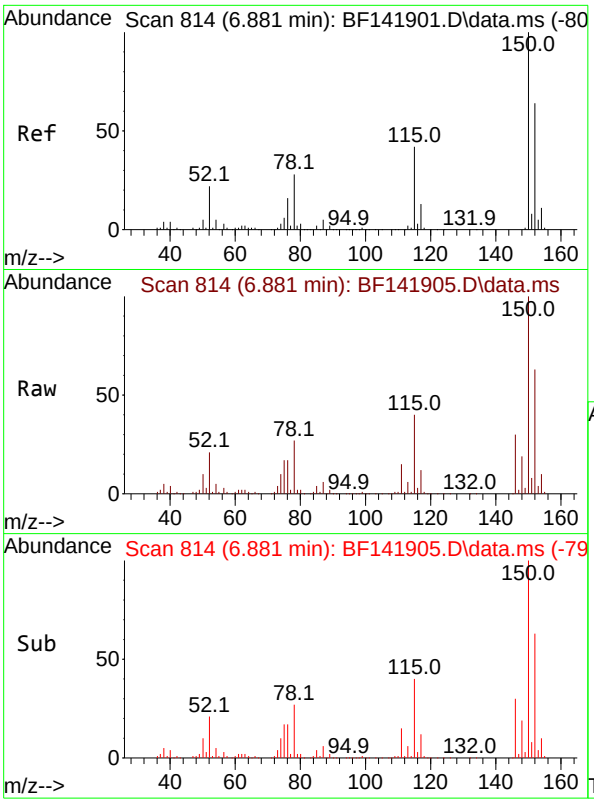
ICAL Form

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Data File : BF141905.D
Acq On : 10 Mar 2025 15:20
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Mar 10 15:39:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



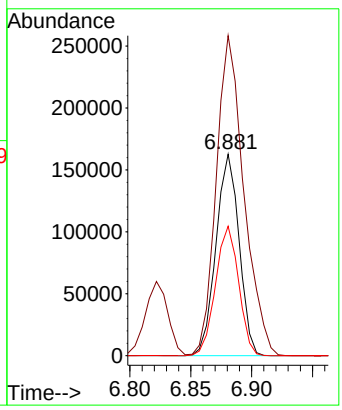


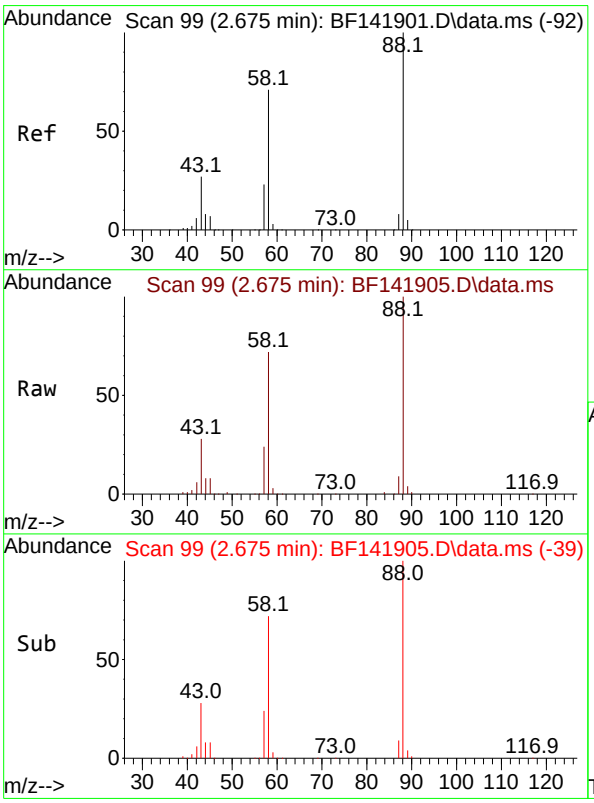
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 215017

Ion	Ratio	Lower	Upper
152	100		
150	158.8	127.4	191.2
115	64.3	51.9	77.9

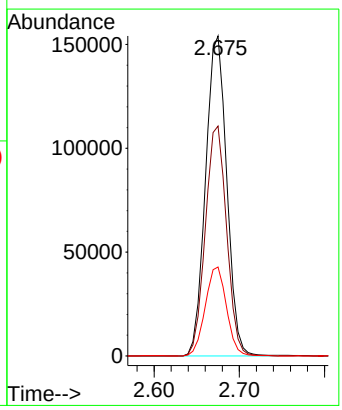


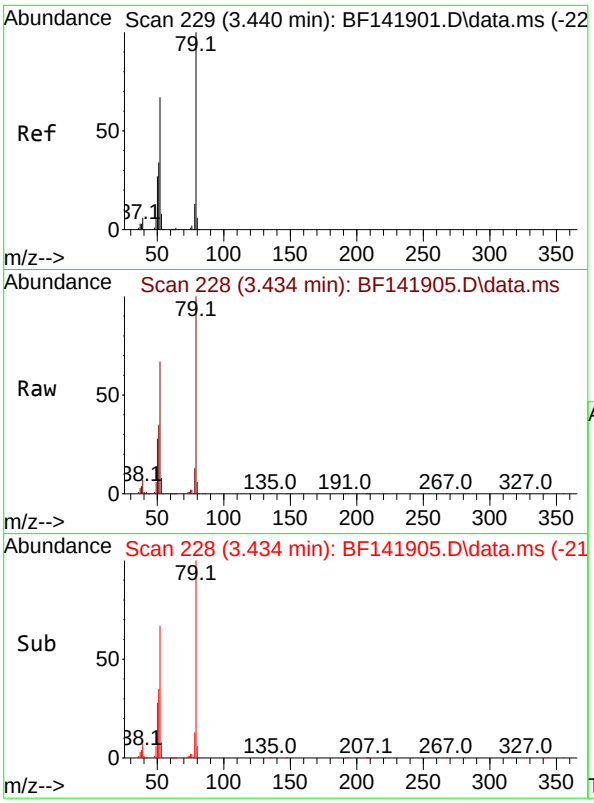


#2
1,4-Dioxane
Concen: 49.258 ng
RT: 2.675 min Scan# 99
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 88 Resp: 266045

Ion	Ratio	Lower	Upper
88	100		
58	72.1	57.4	86.2
43	27.9	21.5	32.3



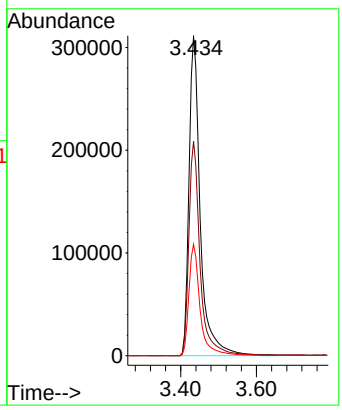


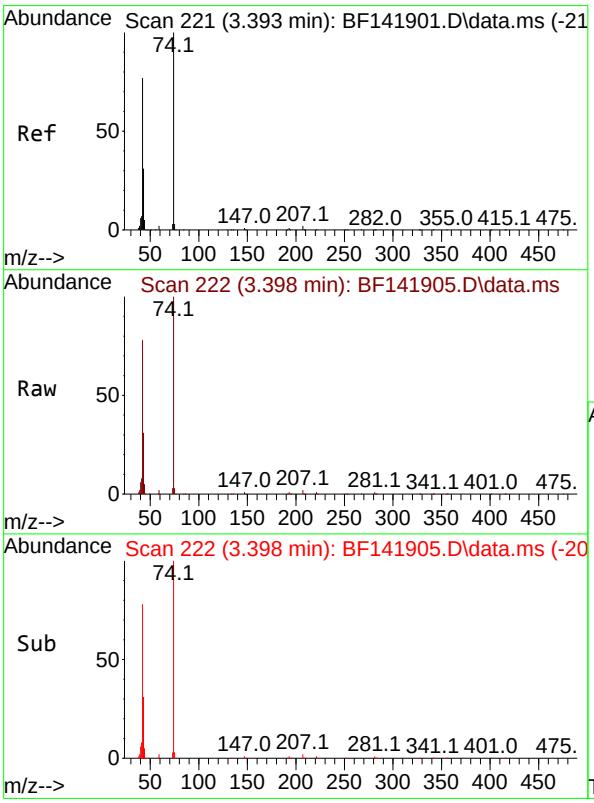
#3
Pyridine
Concen: 48.716 ng
RT: 3.434 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 646627

Ion	Ratio	Lower	Upper
79	100		
52	67.0	53.3	79.9
51	34.8	27.6	41.4

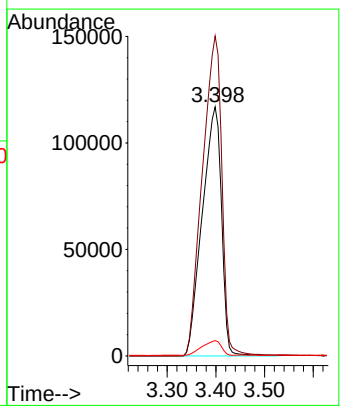


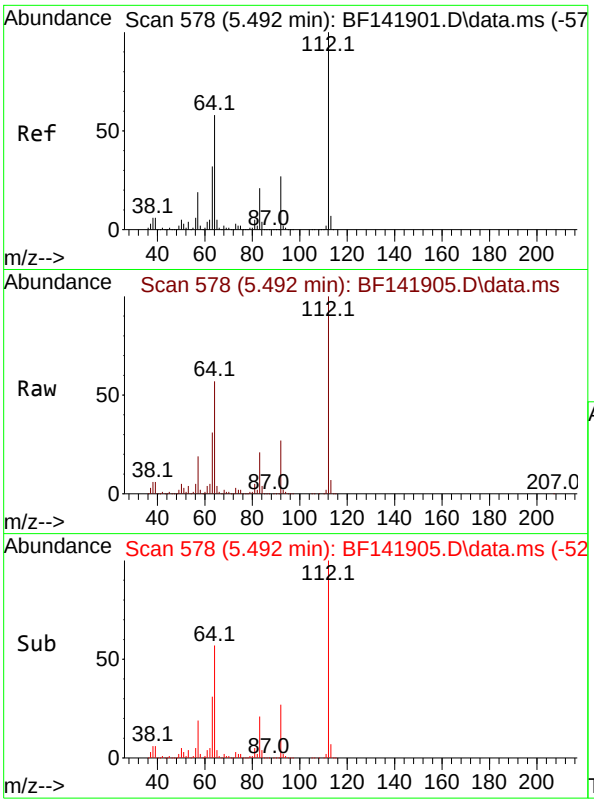


#4
n-Nitrosodimethylamine
Concen: 50.718 ng
RT: 3.398 min Scan# 222
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 42 Resp: 320008

Ion	Ratio	Lower	Upper
42	100		
74	128.4	103.4	155.0
44	6.2	5.0	7.4



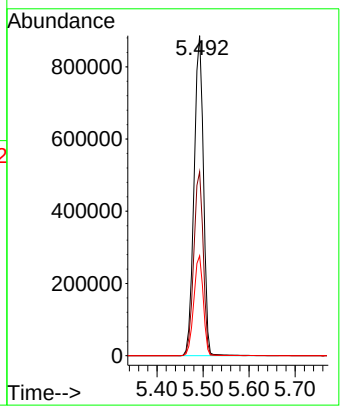


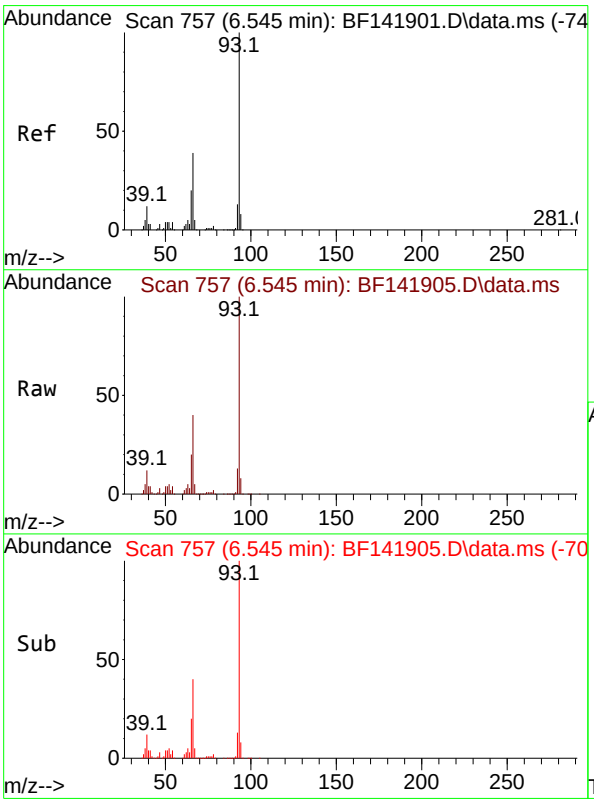
#5
2-Fluorophenol
Concen: 96.967 ng
RT: 5.492 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 1249601

Ion	Ratio	Lower	Upper
112	100		
64	57.5	46.5	69.7
63	31.2	25.4	38.2

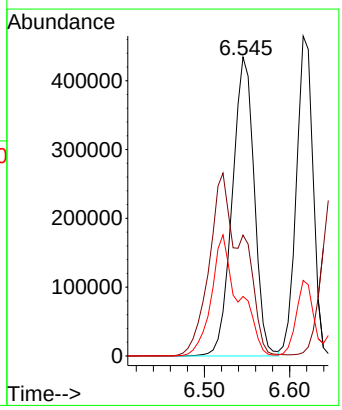


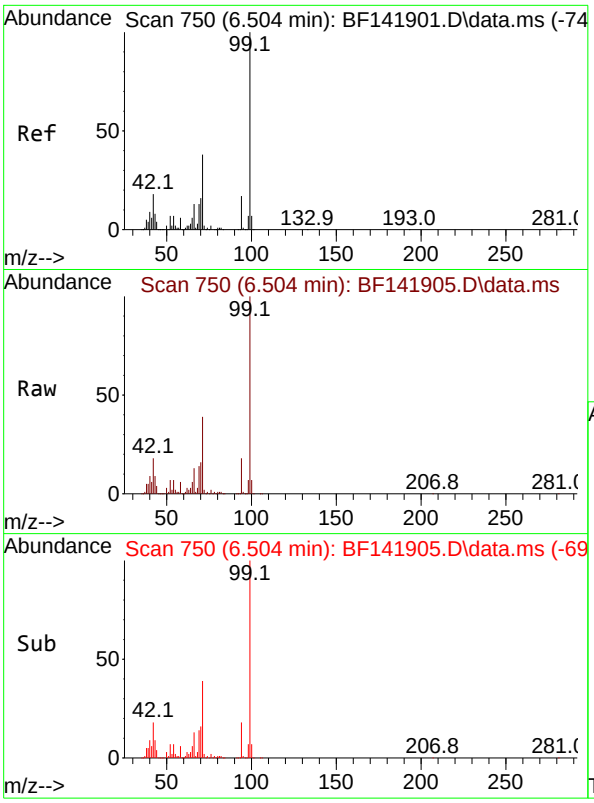


#6
Aniline
Concen: 47.884 ng
RT: 6.545 min Scan# 757
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 93 Resp: 775854

Ion	Ratio	Lower	Upper
93	100		
66	40.4	31.9	47.9
65	19.9	15.8	23.6



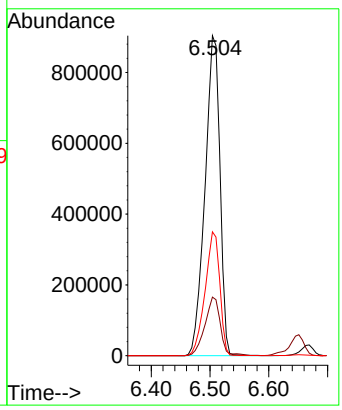


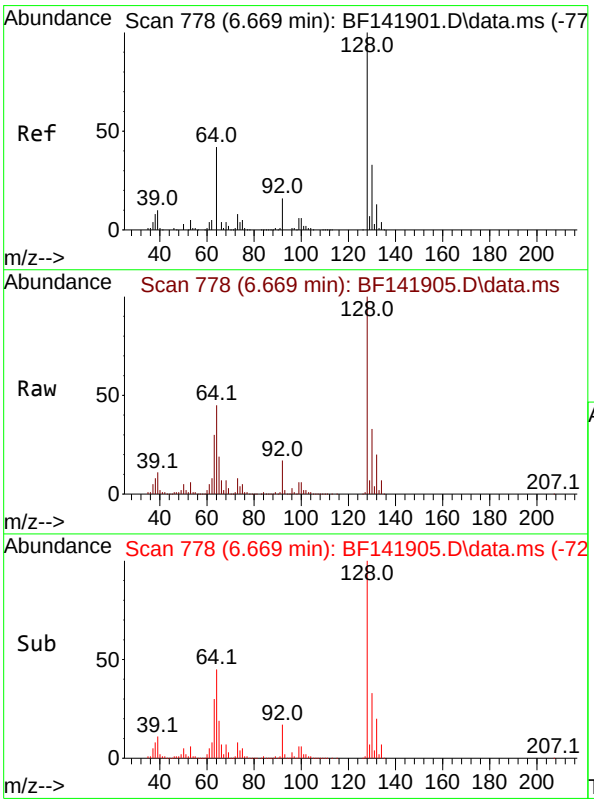
#7
Phenol-d6
Concen: 97.156 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 1594608

Ion	Ratio	Lower	Upper
99	100		
42	18.3	14.6	21.8
71	38.7	30.8	46.2

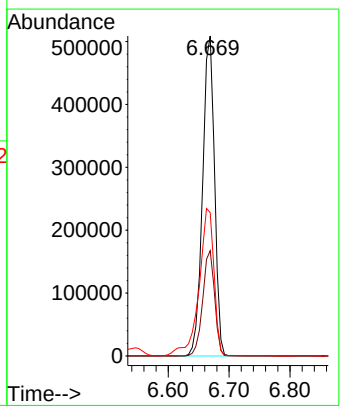


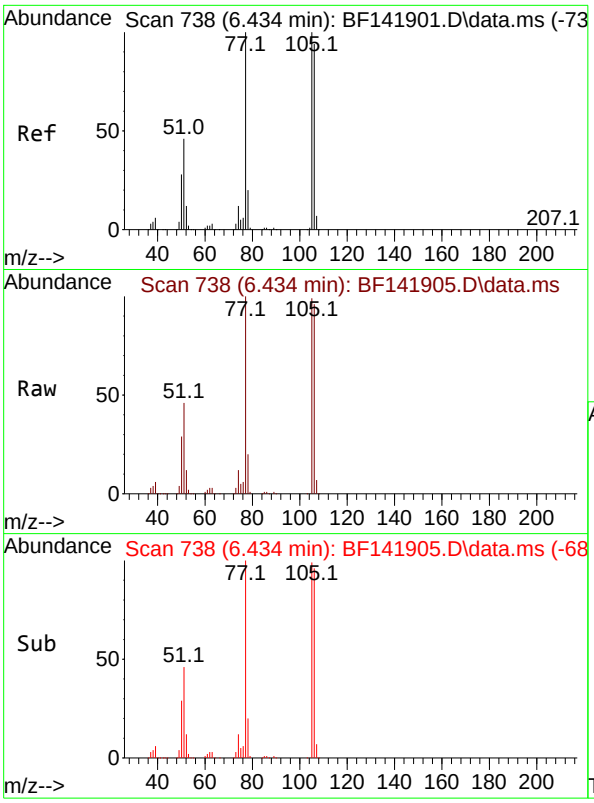


#8
2-Chlorophenol
Concen: 48.738 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:128 Resp: 696154

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.8	52.8
64	44.8	24.4	64.4



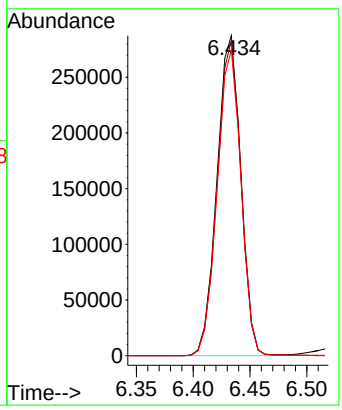


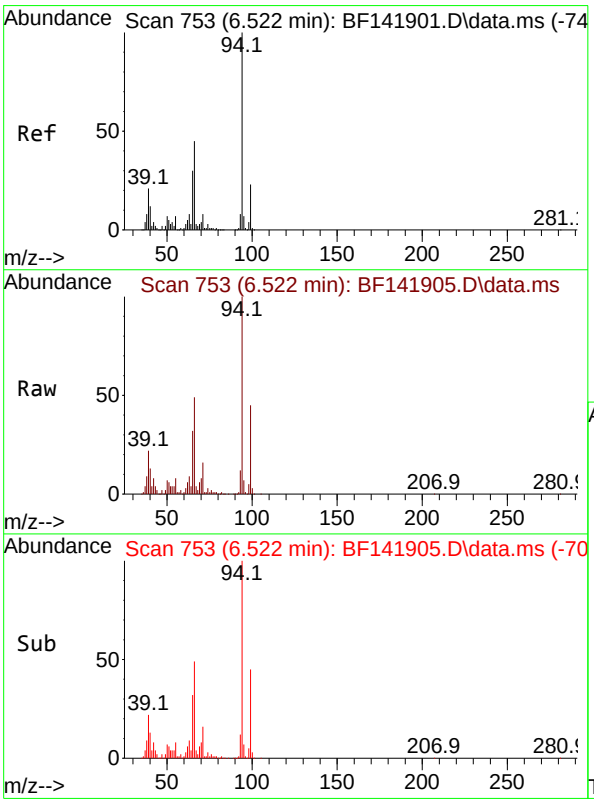
#9
Benzaldehyde
Concen: 45.569 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 418049

Ion	Ratio	Lower	Upper
77	100		
105	98.6	80.0	120.0
106	95.5	74.5	114.5

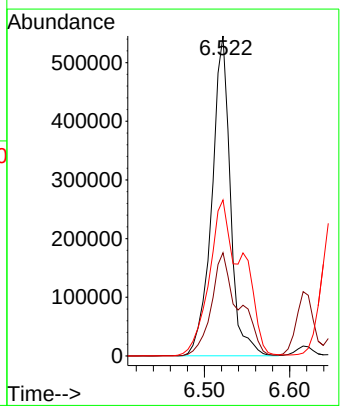


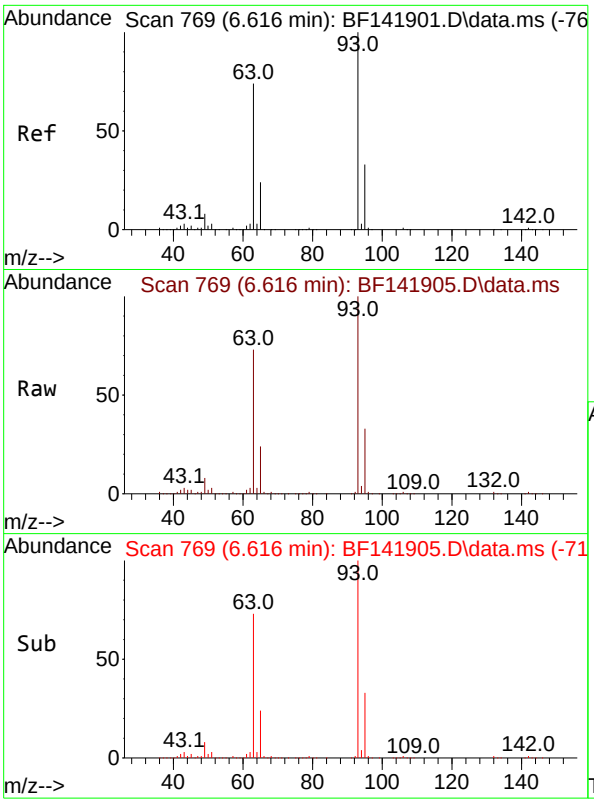


#10
Phenol
Concen: 47.876 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 94 Resp: 829086

Ion	Ratio	Lower	Upper
94	100		
65	32.3	10.5	50.5
66	48.7	25.8	65.8



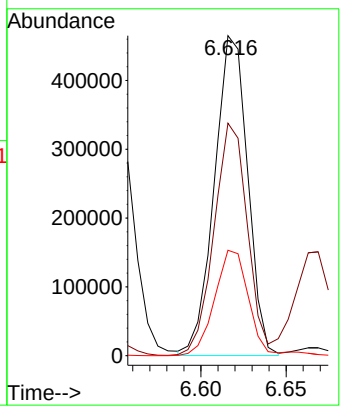


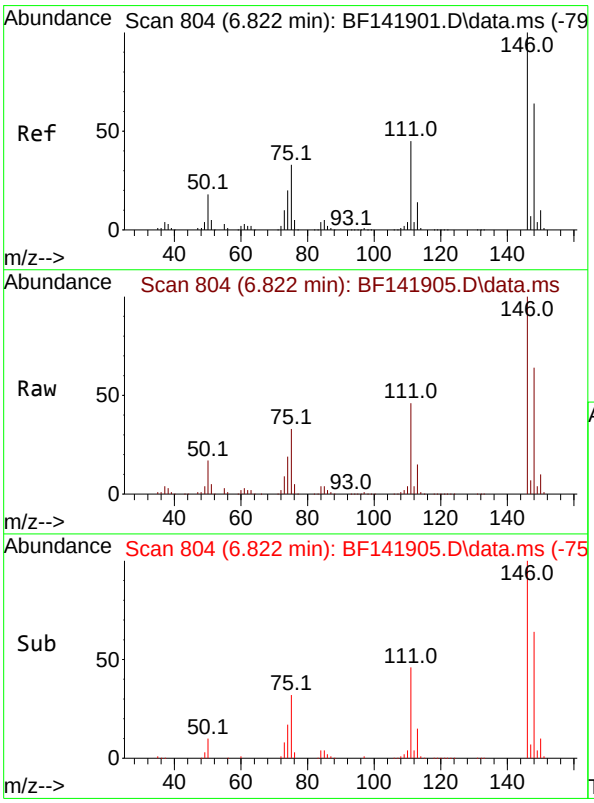
#11
bis(2-Chloroethyl)ether
Concen: 48.672 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 631516

Ion	Ratio	Lower	Upper
93	100		
63	72.7	53.0	93.0
95	33.0	12.9	52.9

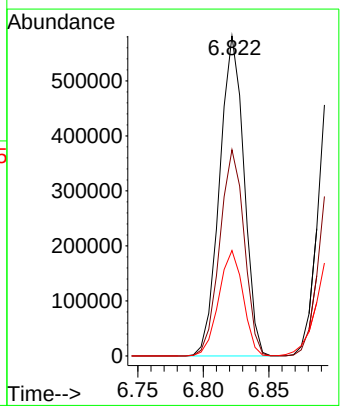


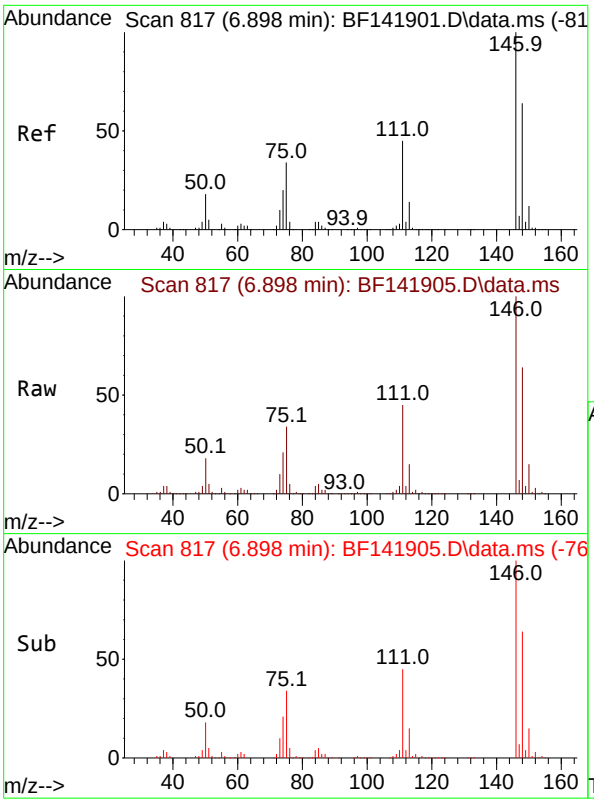


#12
1,3-Dichlorobenzene
Concen: 48.807 ng
RT: 6.822 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:146 Resp: 753352

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.3	76.9
75	32.9	26.6	40.0



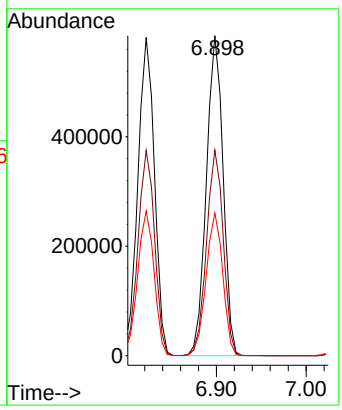


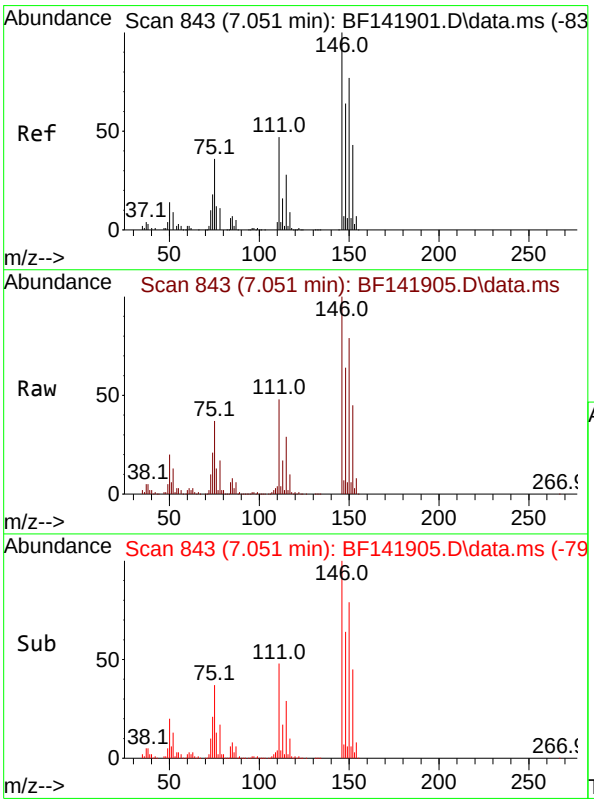
#13
1,4-Dichlorobenzene
Concen: 48.465 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 756875

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.0	76.6
111	44.6	35.7	53.5

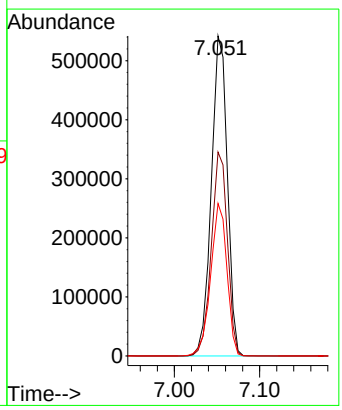


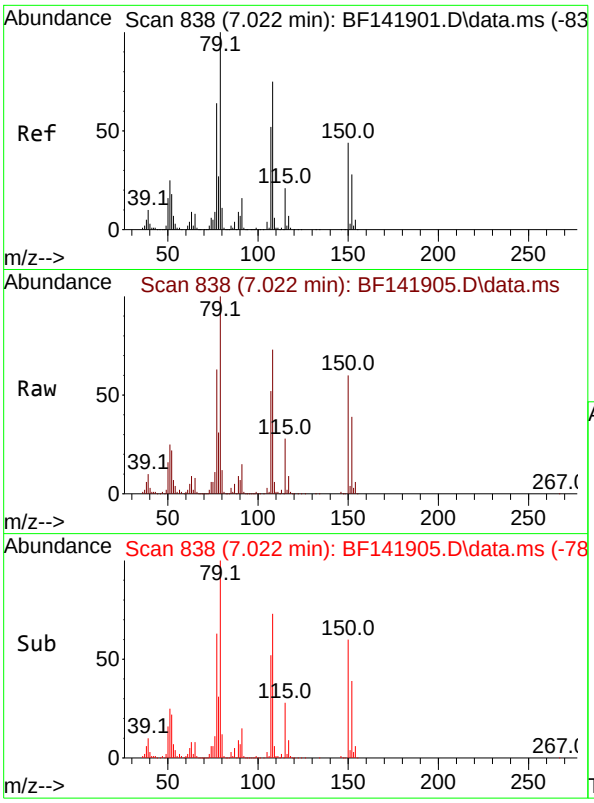


#14
1,2-Dichlorobenzene
Concen: 48.049 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:146 Resp: 706635

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.8	76.2
111	47.6	38.0	57.0



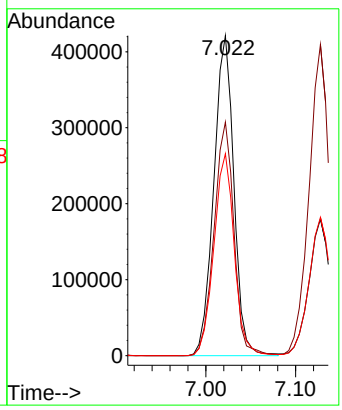


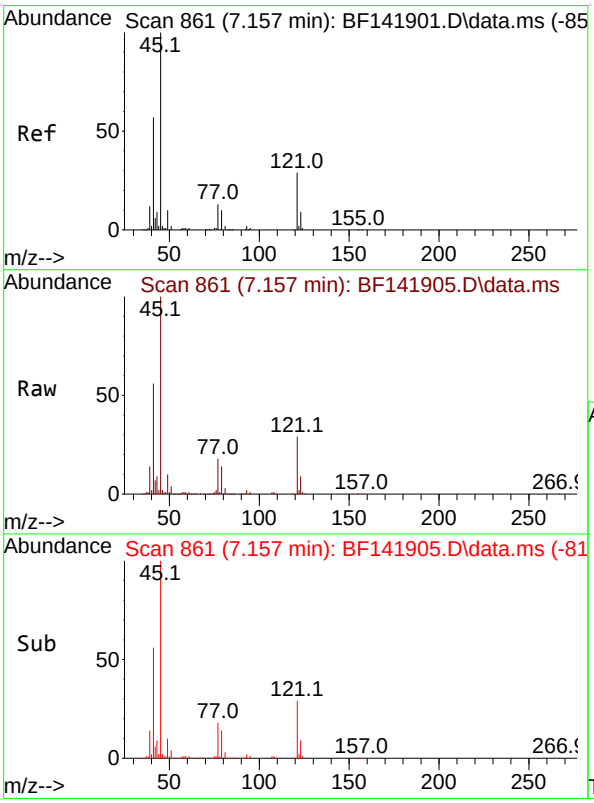
#15
Benzyl Alcohol
Concen: 49.113 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 652454

Ion	Ratio	Lower	Upper
79	100		
108	73.0	59.7	89.5
77	63.1	51.0	76.6

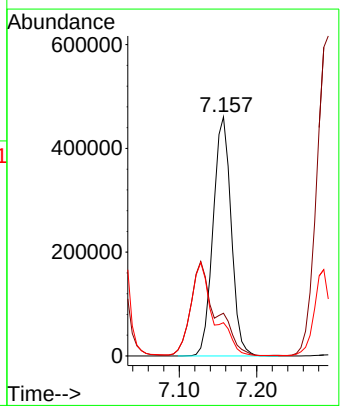


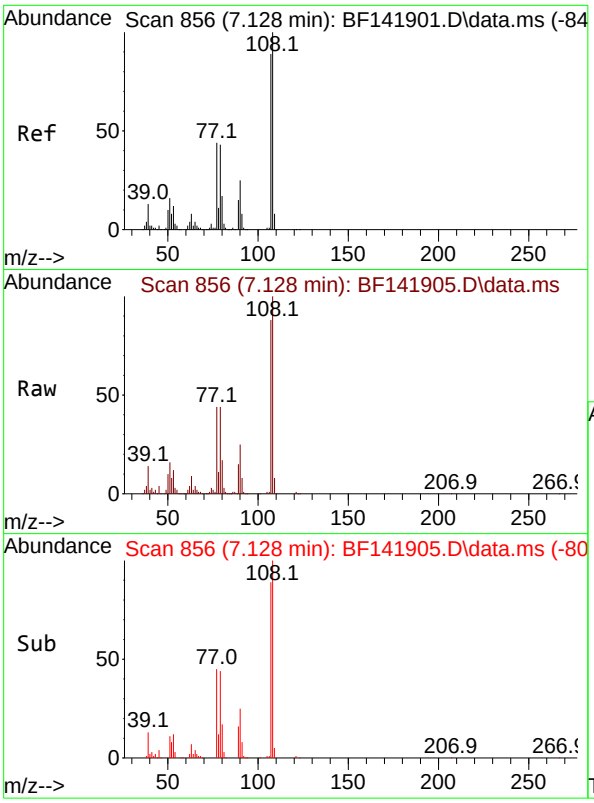


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.687 ng
RT: 7.157 min Scan# 861
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 45 Resp: 745710

Ion	Ratio	Lower	Upper
45	100		
77	17.9	0.0	37.8
79	14.0	0.0	34.2



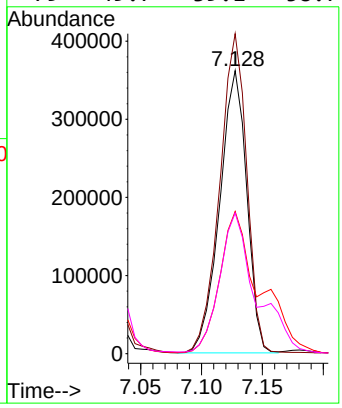


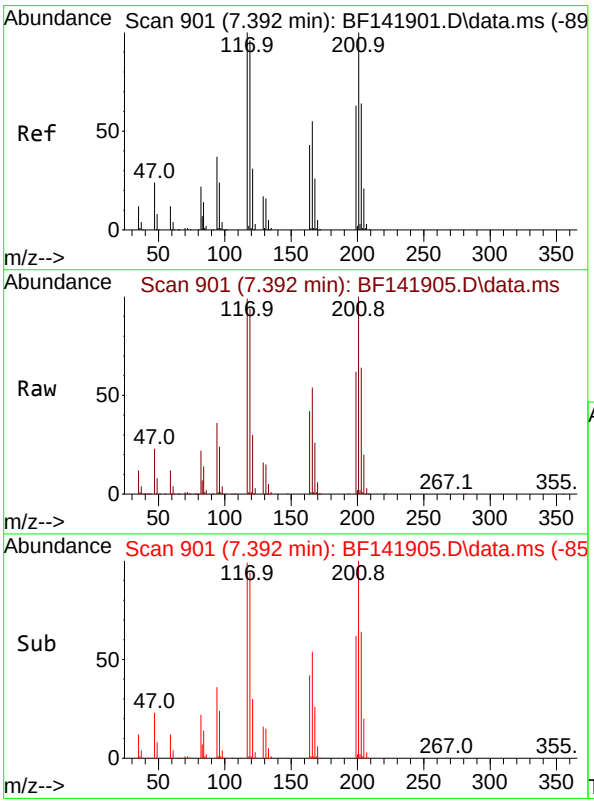
#17
2-Methylphenol
Concen: 49.153 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 557981

Ion	Ratio	Lower	Upper
107	100		
108	113.1	90.2	135.2
77	50.3	39.6	59.4
79	49.7	39.1	58.7

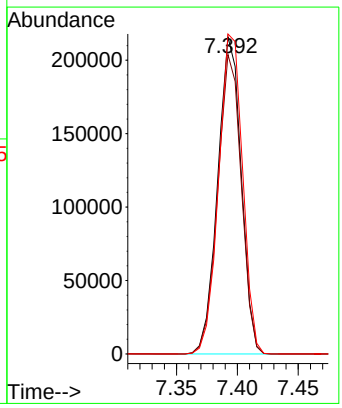


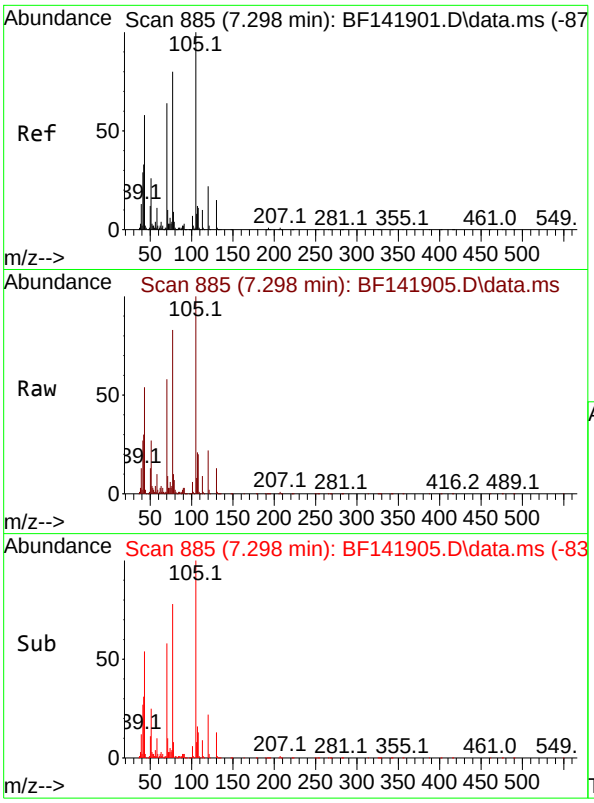


#18
Hexachloroethane
Concen: 49.551 ng
RT: 7.392 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:117 Resp: 290127

Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.9	115.3
201	100.9	79.9	119.9



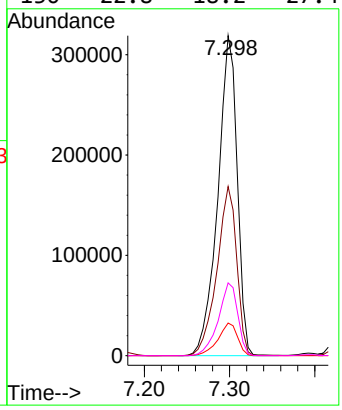


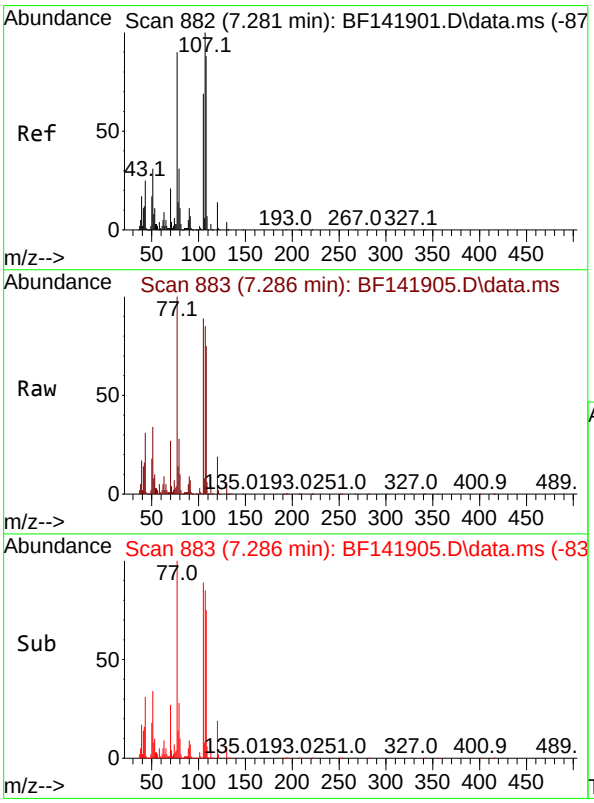
#19
n-Nitroso-di-n-propylamine
Concen: 47.887 ng
RT: 7.298 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 505166

Ion	Ratio	Lower	Upper
70	100		
42	52.8	41.4	62.0
101	10.2	8.2	12.2
130	22.8	18.2	27.4

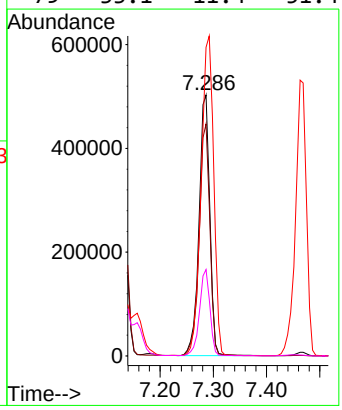


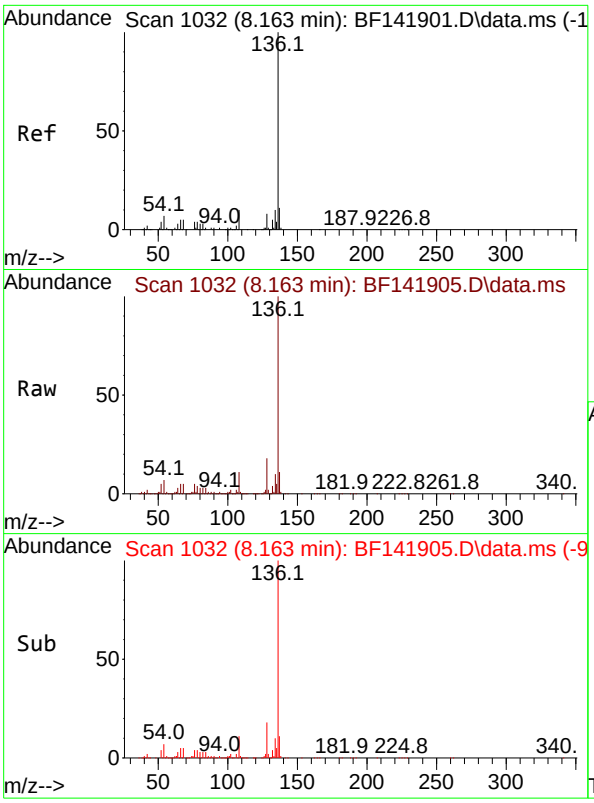


#20
3+4-Methylphenols
Concen: 48.388 ng
RT: 7.286 min Scan# 883
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:107 Resp: 704563

Ion	Ratio	Lower	Upper
107	100		
108	88.9	68.4	108.4
77	118.3	69.7	109.7#
79	33.1	11.4	51.4



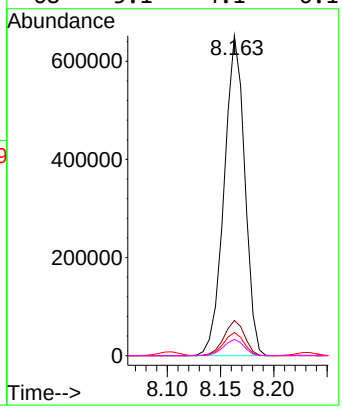


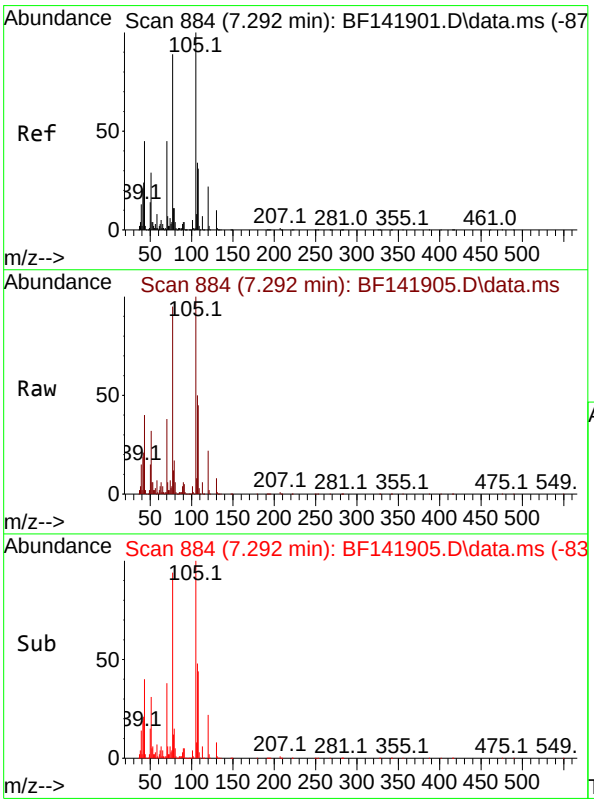
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 877329

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.2	5.8	8.8
68	5.1	4.1	6.1

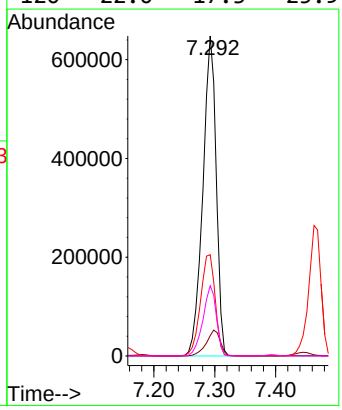


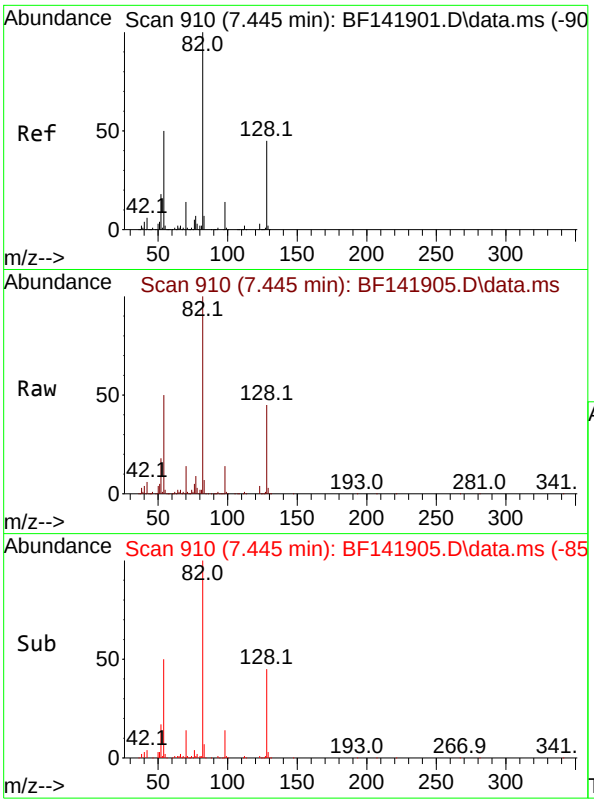


#22
Acetophenone
Concen: 46.924 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:105 Resp: 987577

Ion	Ratio	Lower	Upper
105	100		
71	6.3	5.8	8.8
51	31.7	23.4	35.0
120	22.0	17.3	25.9



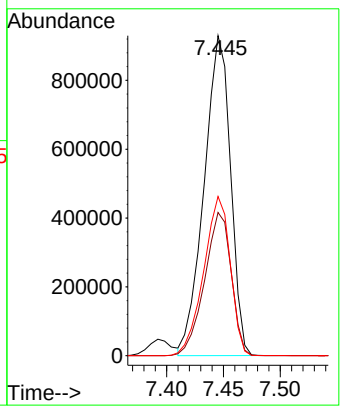


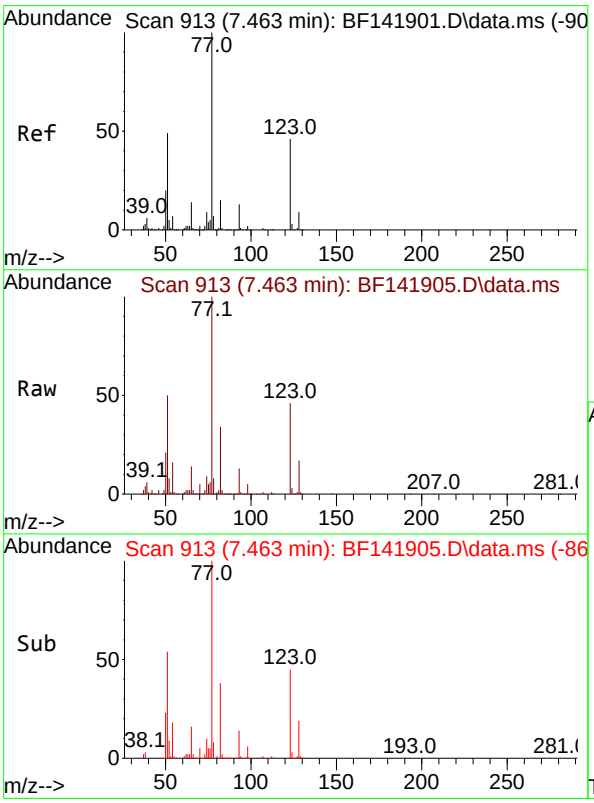
#23
Nitrobenzene-d5
Concen: 96.304 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1507471

Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.0	54.0
54	49.8	39.6	59.4

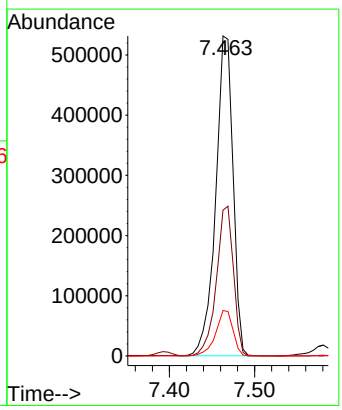


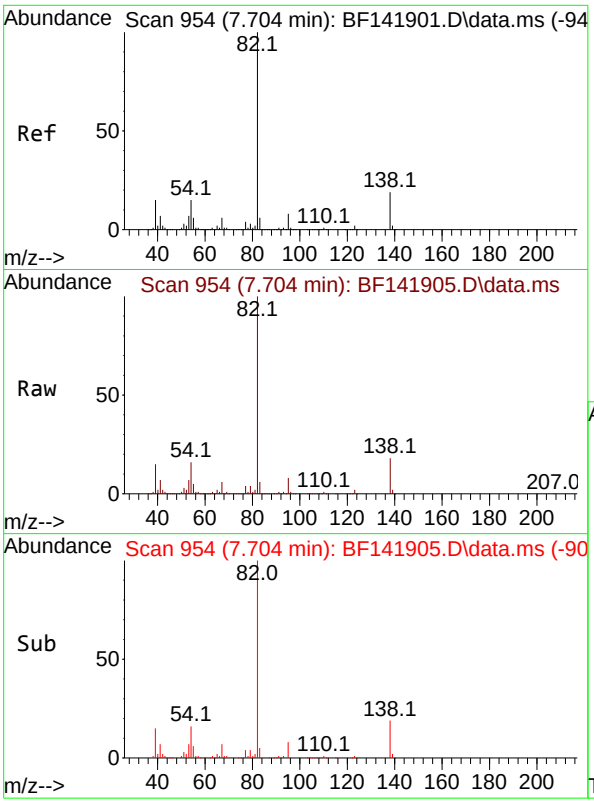


#24
Nitrobenzene
Concen: 48.514 ng
RT: 7.463 min Scan# 913
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 77 Resp: 752936

Ion	Ratio	Lower	Upper
77	100		
123	45.6	37.0	55.4
65	14.2	11.3	16.9



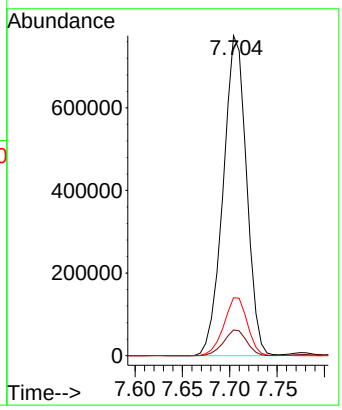


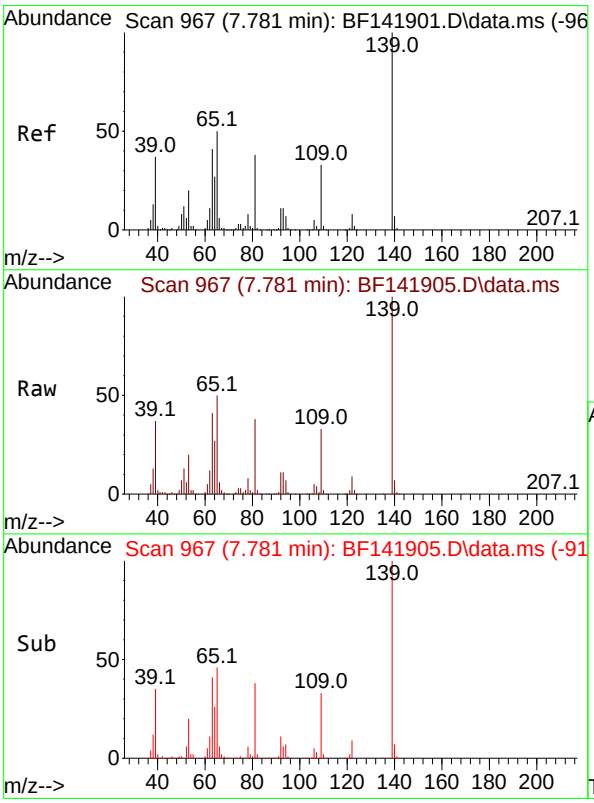
#25
Isophorone
Concen: 48.027 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1327254

Ion	Ratio	Lower	Upper
82	100		
95	8.0	6.4	9.6
138	18.1	14.9	22.3

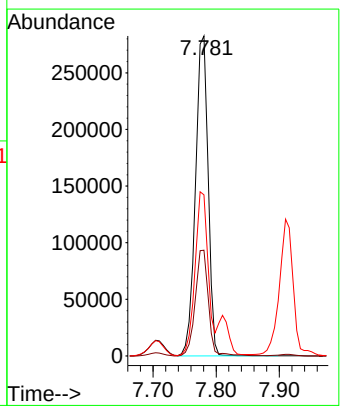


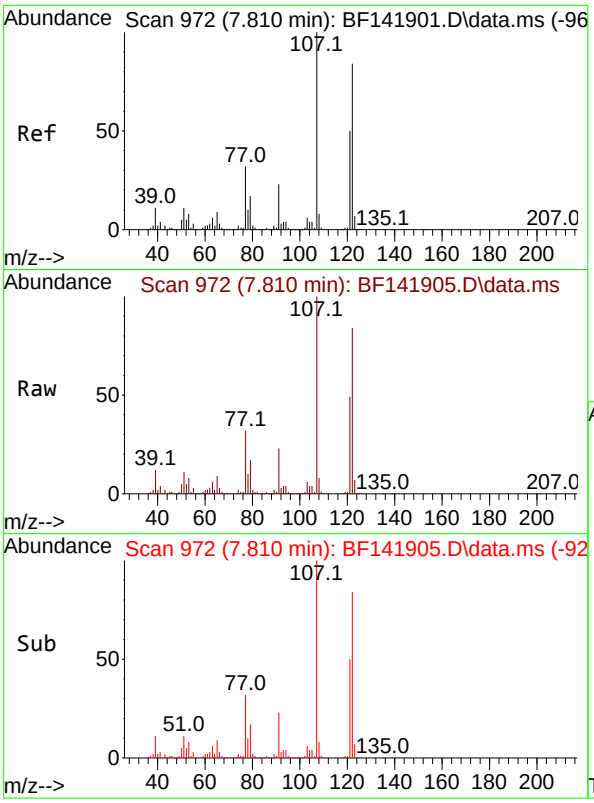


#26
2-Nitrophenol
Concen: 51.644 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:139 Resp: 392772

Ion	Ratio	Lower	Upper
139	100		
109	33.1	26.5	39.7
65	50.4	40.3	60.5



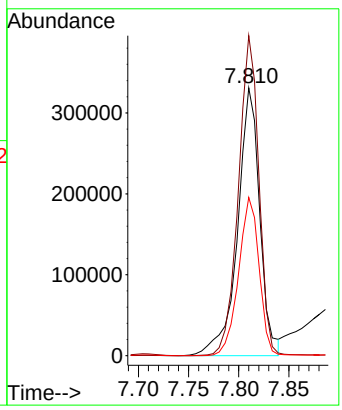


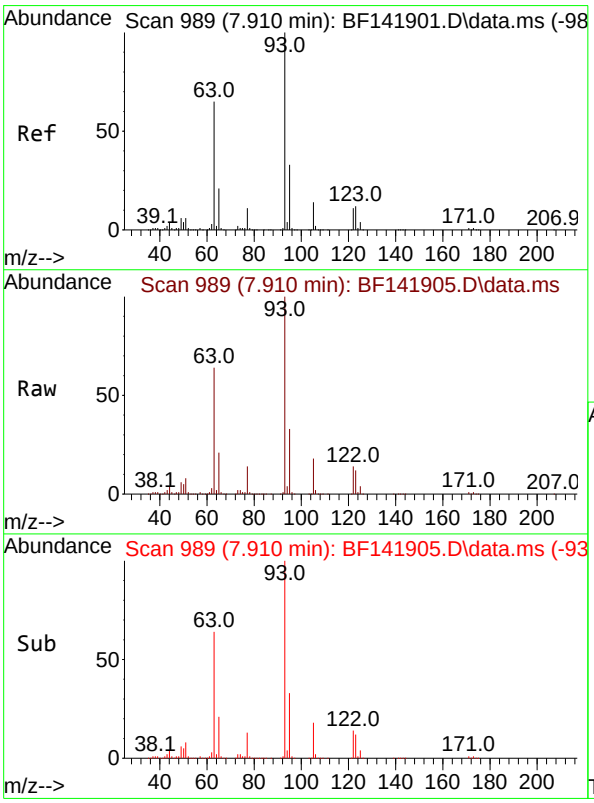
#27
2,4-Dimethylphenol
Concen: 48.725 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 510395

Ion	Ratio	Lower	Upper
122	100		
107	119.4	94.8	142.2
121	59.1	47.8	71.6

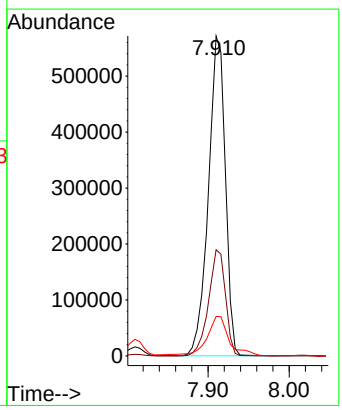


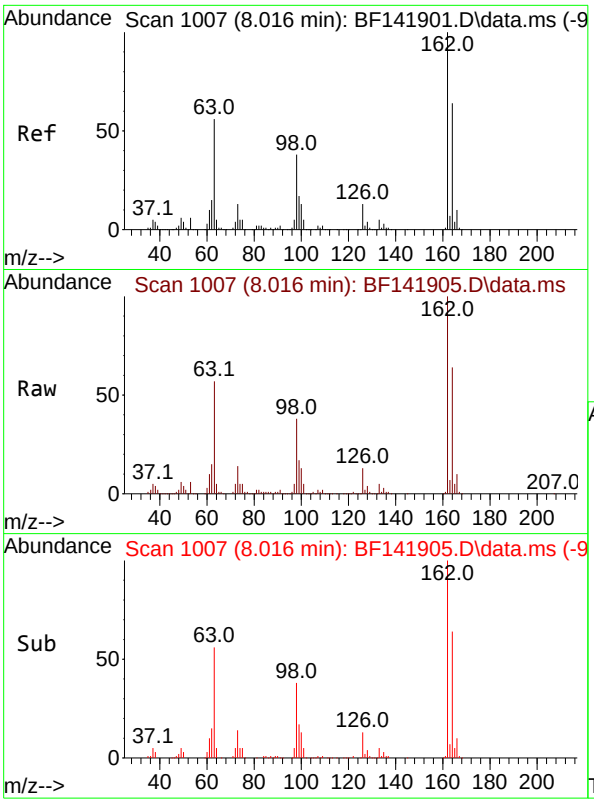


#28
bis(2-Chloroethoxy)methane
Concen: 47.757 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 93 Resp: 826776

Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.6	40.0
123	12.4	10.2	15.4



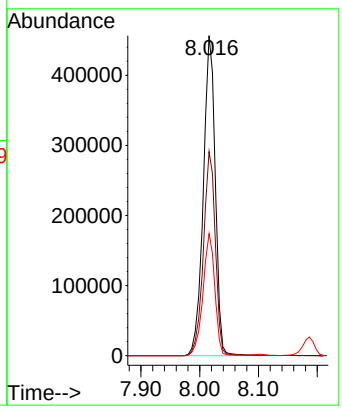


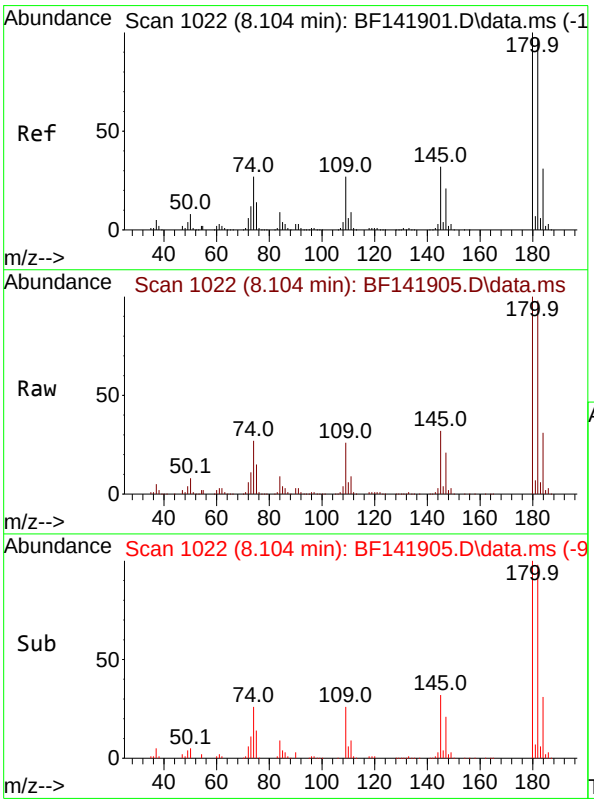
#29
2,4-Dichlorophenol
Concen: 49.793 ng
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 647319

Ion	Ratio	Lower	Upper
162	100		
164	63.8	43.8	83.8
98	38.1	18.1	58.1

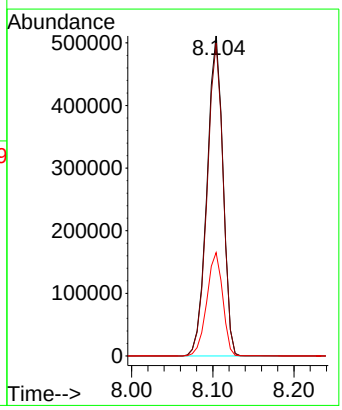


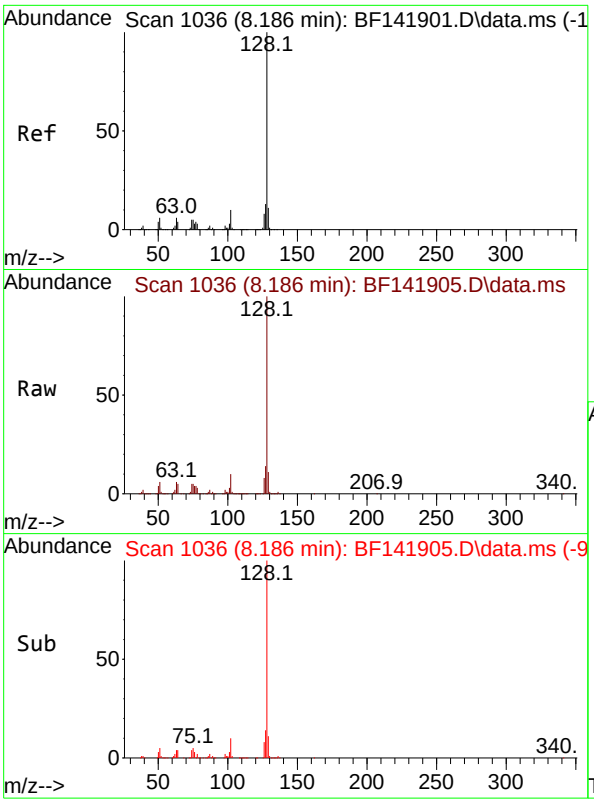


#30
1,2,4-Trichlorobenzene
Concen: 48.617 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:180 Resp: 697274

Ion	Ratio	Lower	Upper
180	100		
182	97.8	77.5	116.3
145	32.3	25.8	38.6



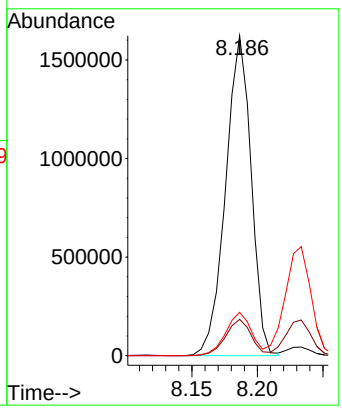


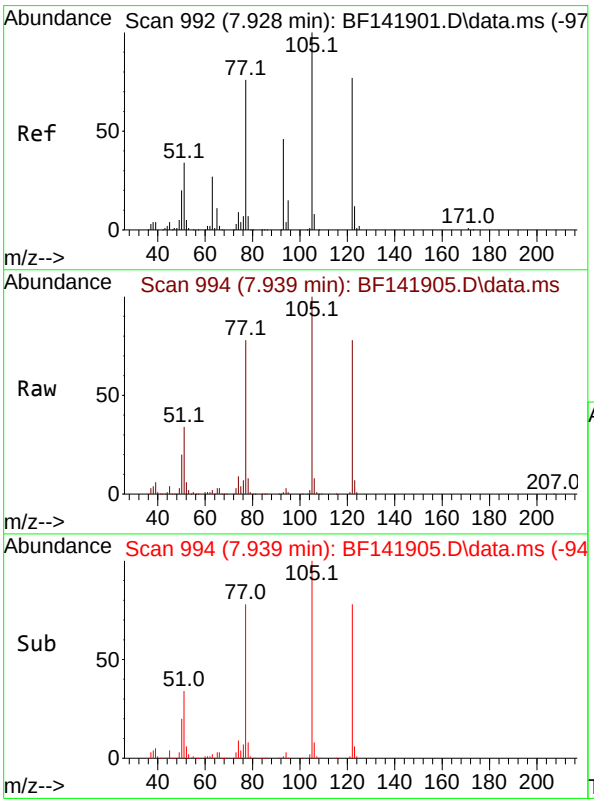
#31
Naphthalene
Concen: 48.863 ng
RT: 8.186 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 2196111

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.6
127	13.5	10.8	16.2

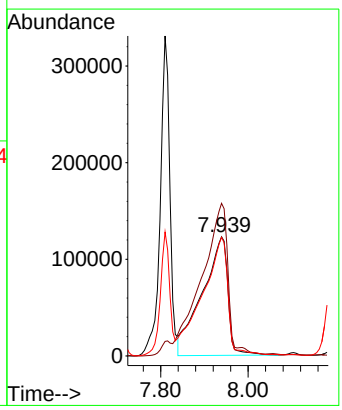


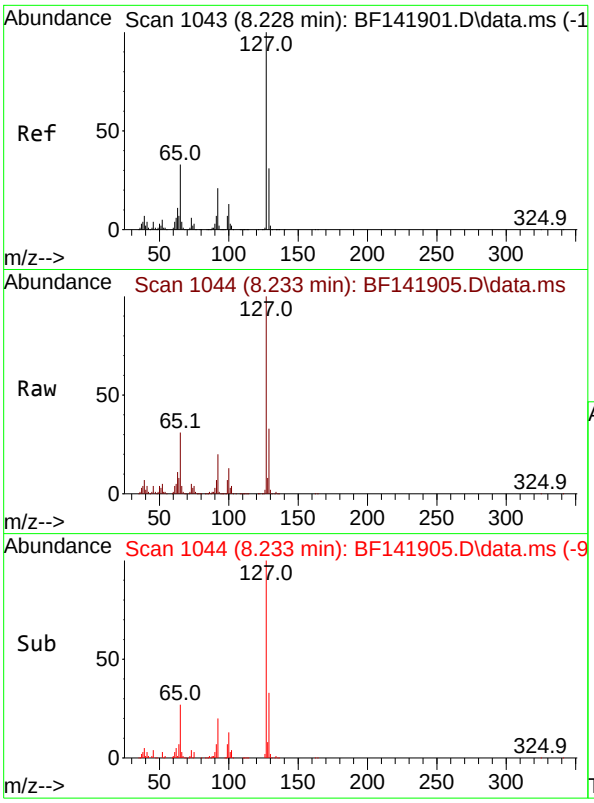


#32
Benzoic acid
Concen: 54.676 ng
RT: 7.939 min Scan# 994
Delta R.T. 0.011 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:122 Resp: 500593

Ion	Ratio	Lower	Upper
122	100		
105	128.0	107.9	147.9
77	99.6	79.0	119.0



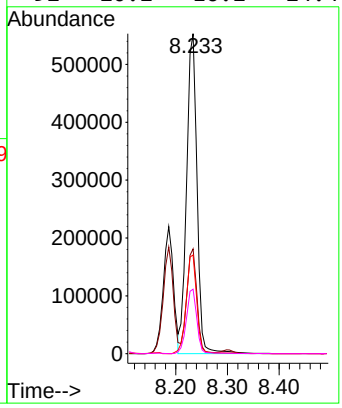


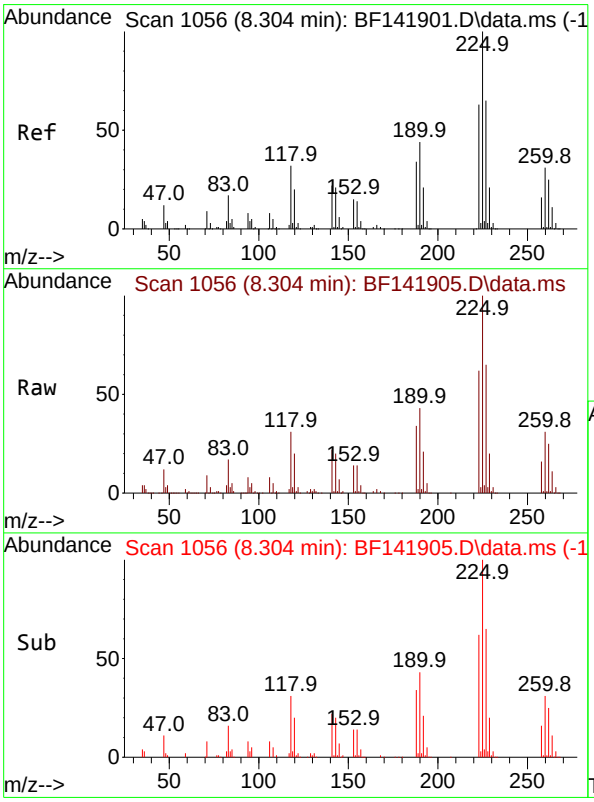
#33
4-Chloroaniline
Concen: 48.909 ng
RT: 8.233 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 775699

Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.2	39.4
65	30.9	25.4	38.2
92	20.2	16.2	24.4

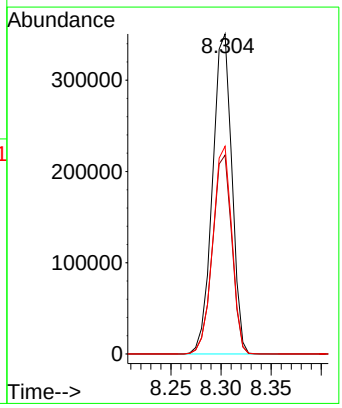


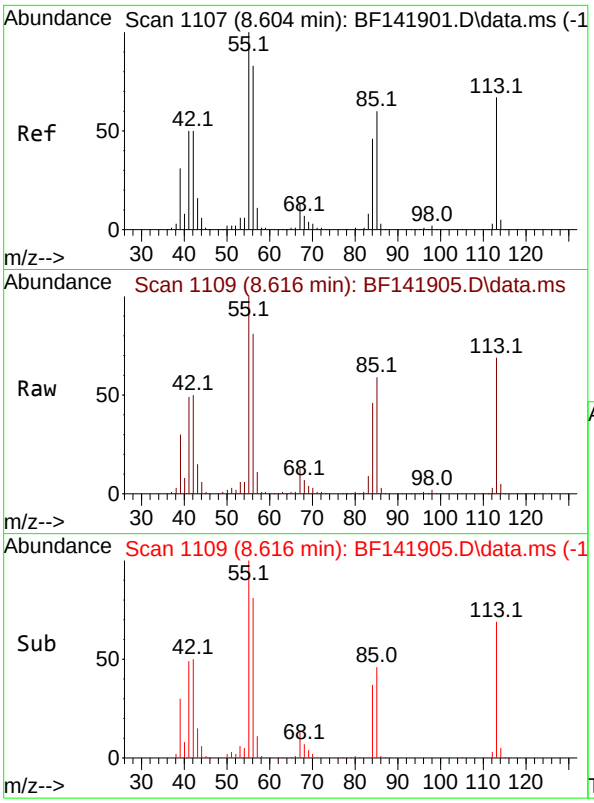


#34
Hexachlorobutadiene
Concen: 50.376 ng
RT: 8.304 min Scan# 1056
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:225 Resp: 469787

Ion	Ratio	Lower	Upper
225	100		
223	62.2	50.6	75.8
227	64.9	52.2	78.2



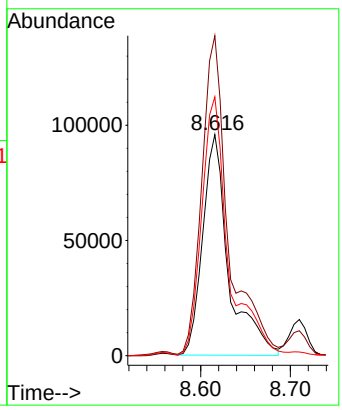


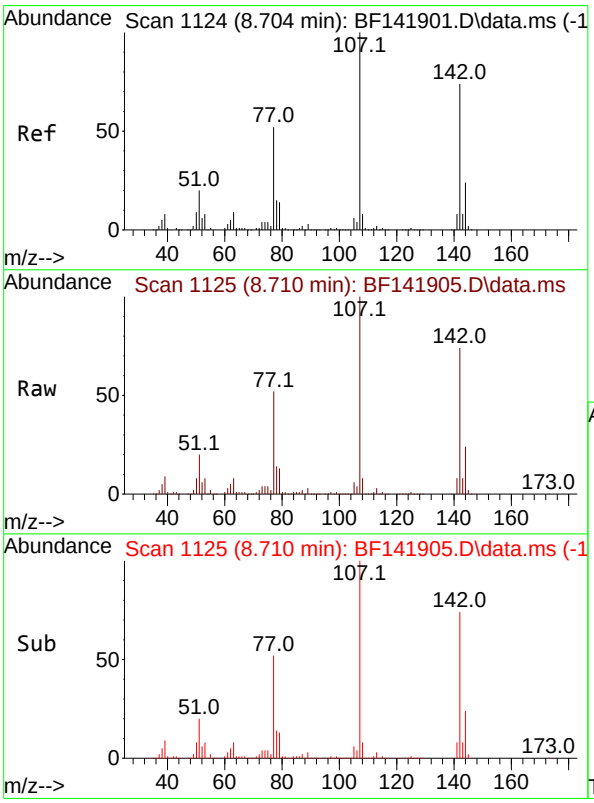
#35
Caprolactam
Concen: 48.891 ng
RT: 8.616 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 193267

Ion	Ratio	Lower	Upper
113	100		
55	144.7	129.6	169.6
56	117.1	104.0	144.0

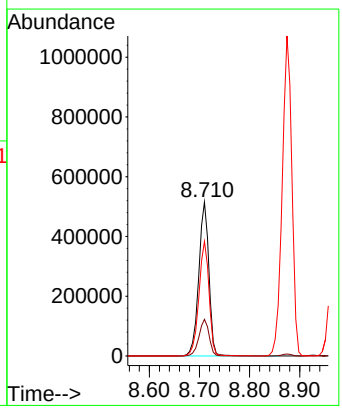


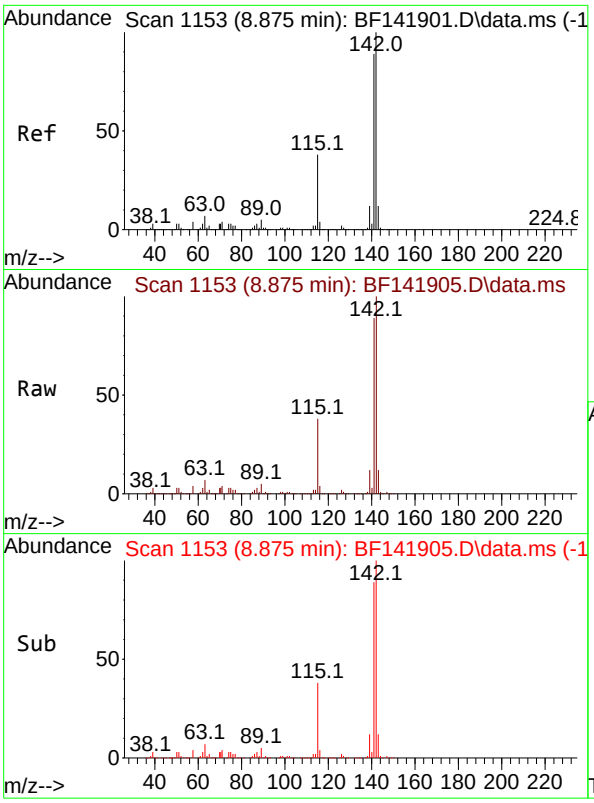


#36
4-Chloro-3-methylphenol
Concen: 49.925 ng
RT: 8.710 min Scan# 1125
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:107 Resp: 721800

Ion	Ratio	Lower	Upper
107	100		
144	23.8	19.0	28.6
142	74.4	59.2	88.8



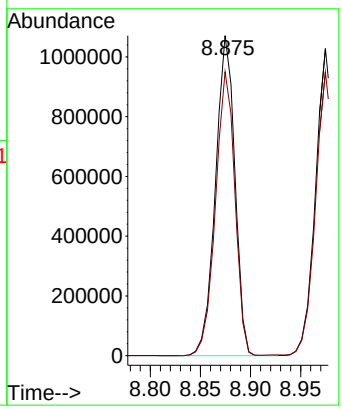


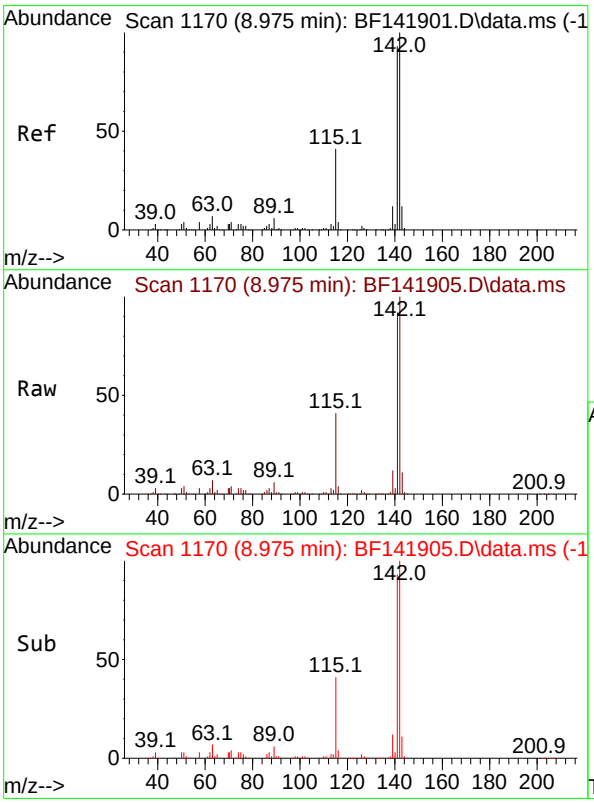
#37
2-Methylnaphthalene
Concen: 47.638 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 1436485

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.2	106.8

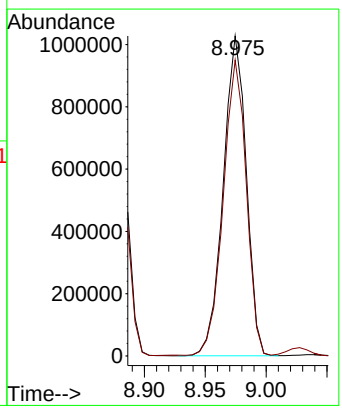


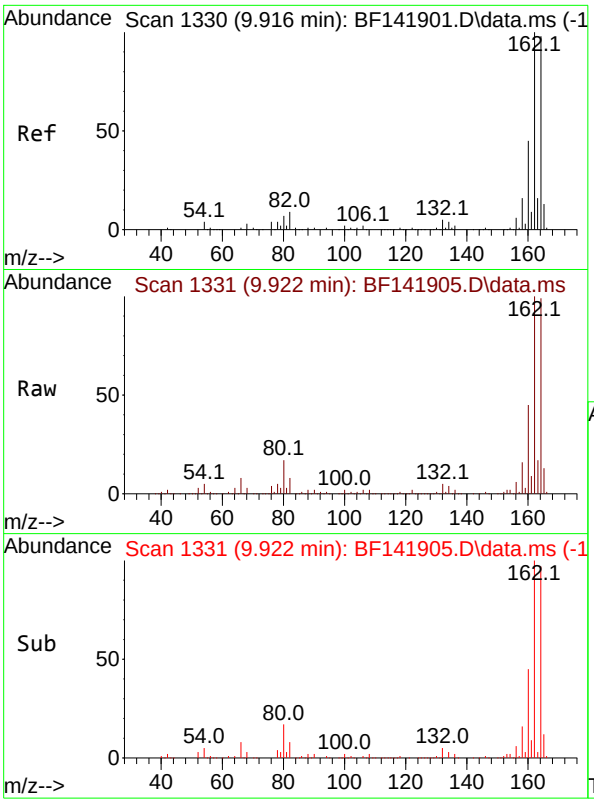


#38
1-Methylnaphthalene
Concen: 46.482 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:142 Resp: 1357356

Ion	Ratio	Lower	Upper
142	100		
141	92.4	74.2	111.4



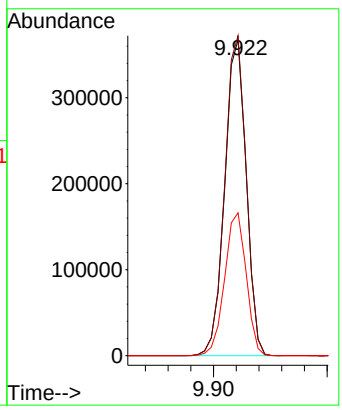


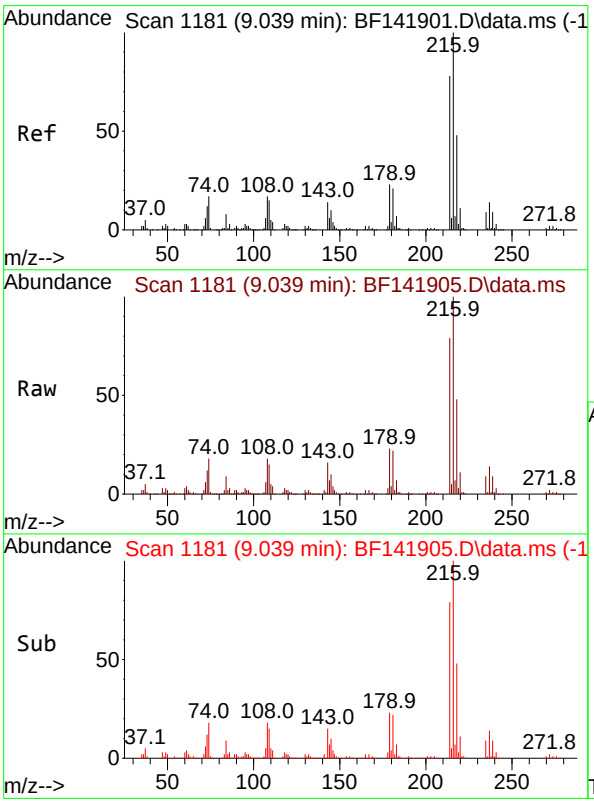
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 481971

Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.8	122.6
160	45.2	36.7	55.1

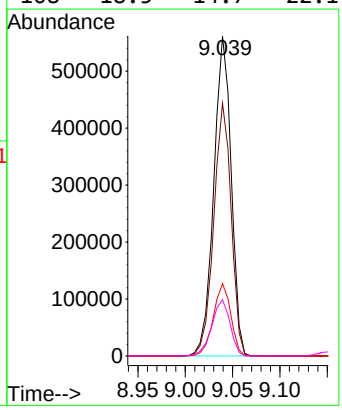


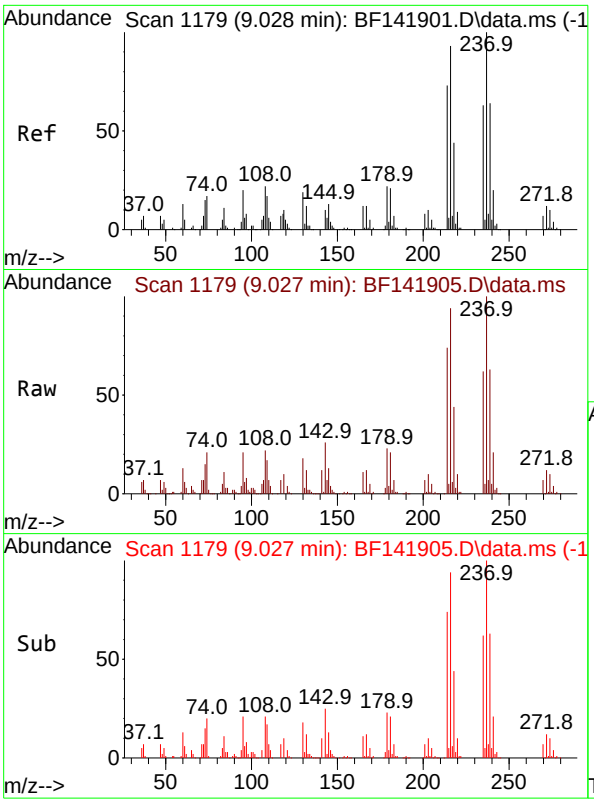


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.955 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:216 Resp: 719431

Ion	Ratio	Lower	Upper
216	100		
214	78.9	61.9	92.9
179	22.7	18.1	27.1
108	18.5	14.7	22.1



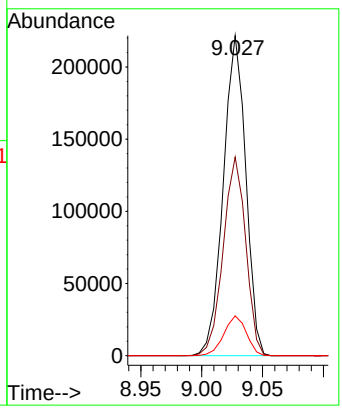


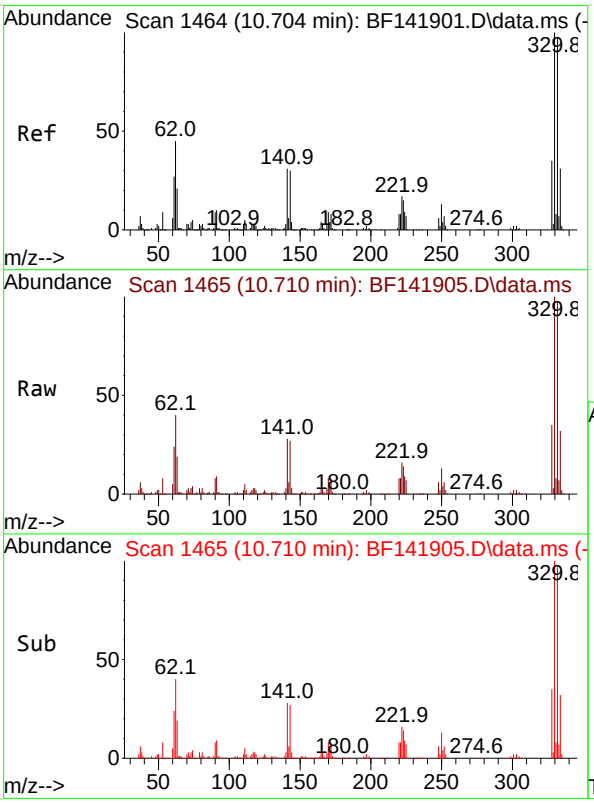
#41
Hexachlorocyclopentadiene
Concen: 49.142 ng
RT: 9.027 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 284968

Ion	Ratio	Lower	Upper
237	100		
235	62.1	43.1	83.1
272	12.4	0.0	32.0

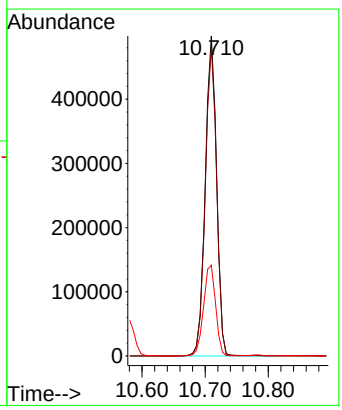


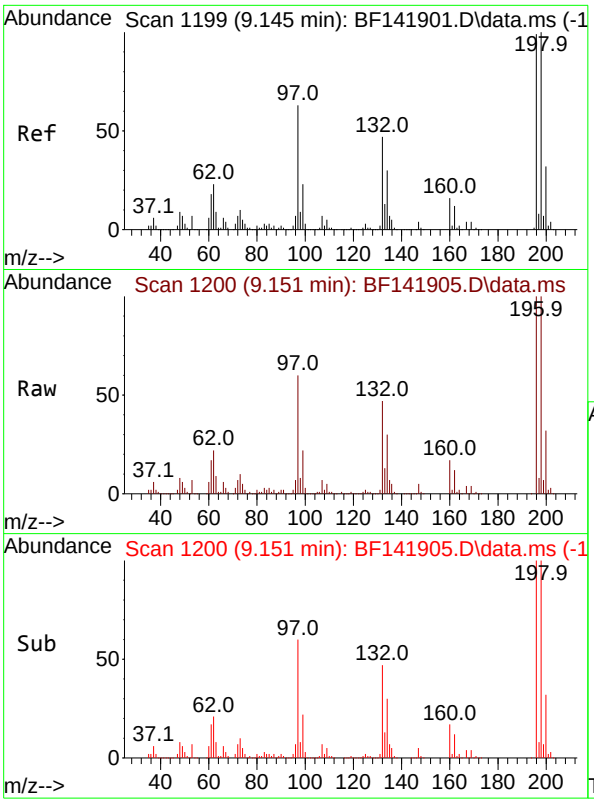


#42
2,4,6-Tribromophenol
Concen: 102.342 ng
RT: 10.710 min Scan# 1465
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:330 Resp: 625035

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.6	116.4
141	30.1	24.7	37.1



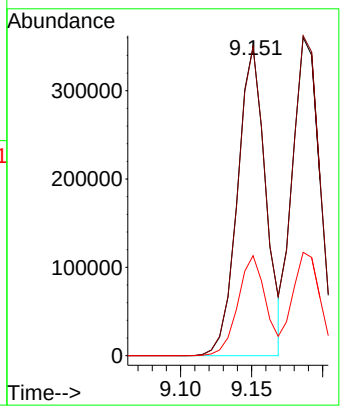


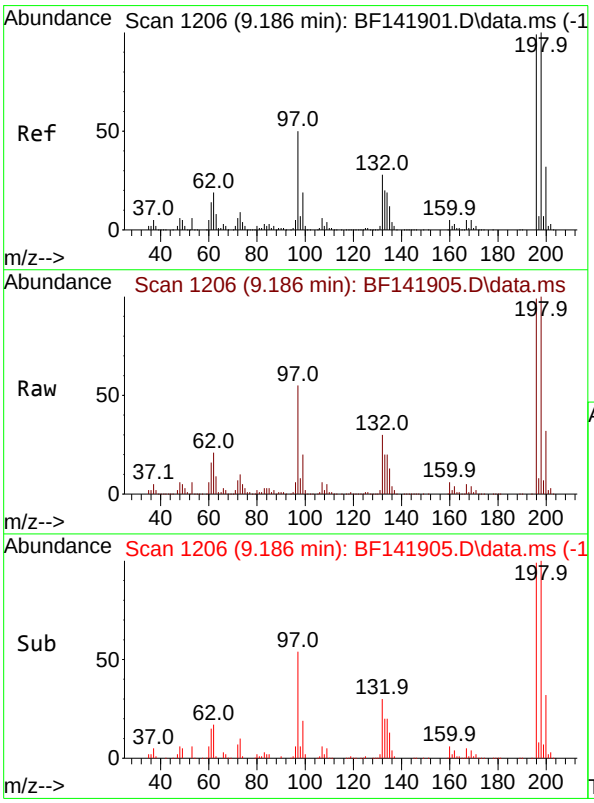
#43
2,4,6-Trichlorophenol
Concen: 50.291 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 481782

Ion	Ratio	Lower	Upper
196	100		
198	99.9	80.6	121.0
200	32.3	25.8	38.6

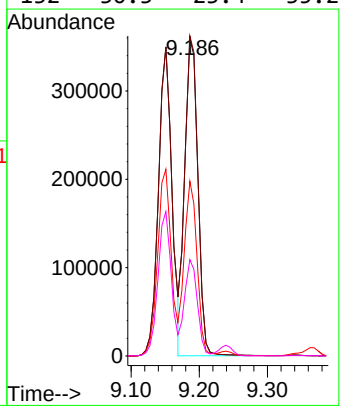


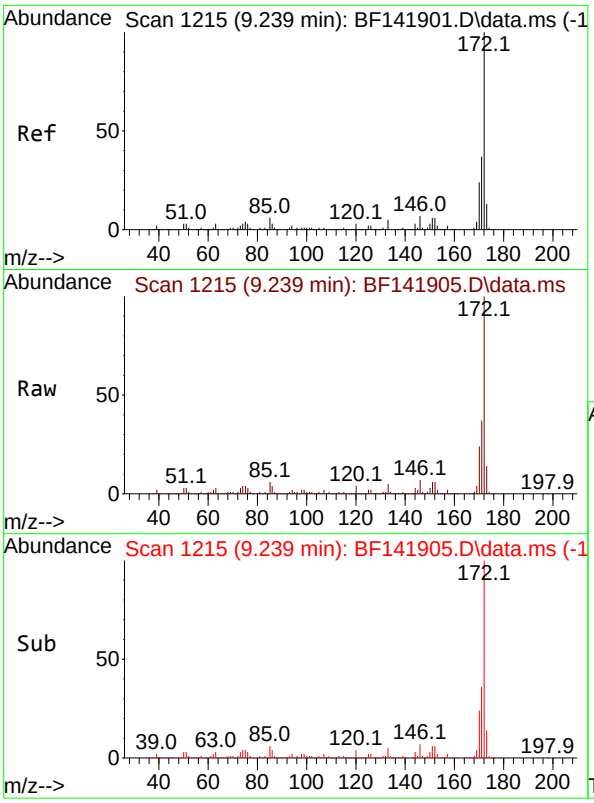


#44
2,4,5-Trichlorophenol
Concen: 49.580 ng
RT: 9.186 min Scan# 1206
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:196 Resp: 482570

Ion	Ratio	Lower	Upper
196	100		
198	100.5	80.7	121.1
97	54.9	42.1	63.1
132	30.3	23.4	35.2



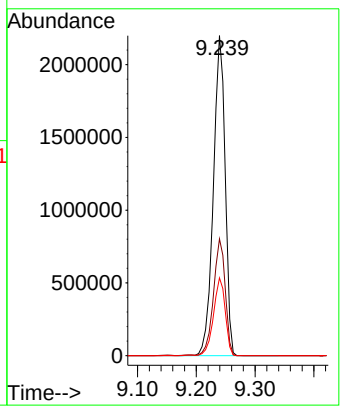


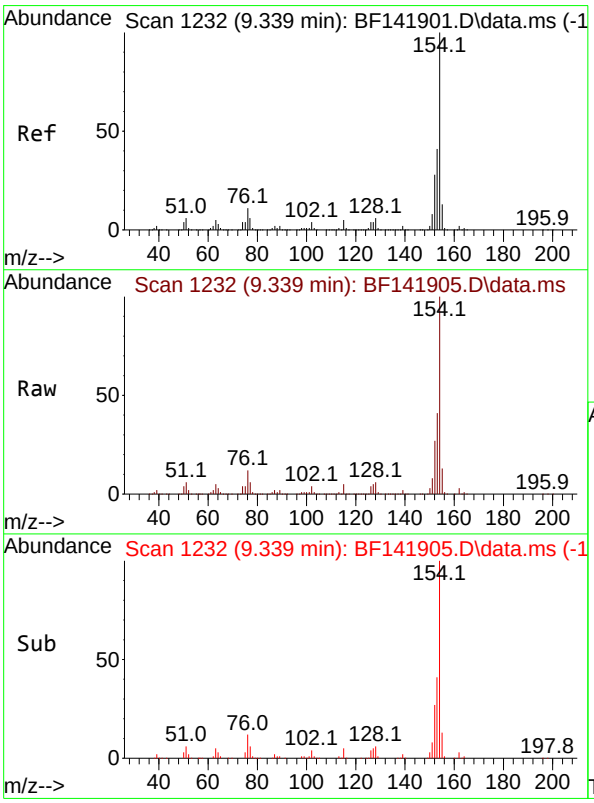
#45
2-Fluorobiphenyl
Concen: 96.836 ng
RT: 9.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 3064989

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.3	43.9
170	24.3	19.4	29.0

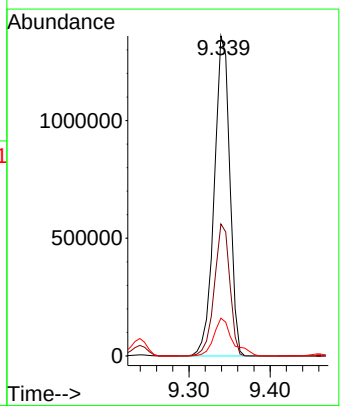


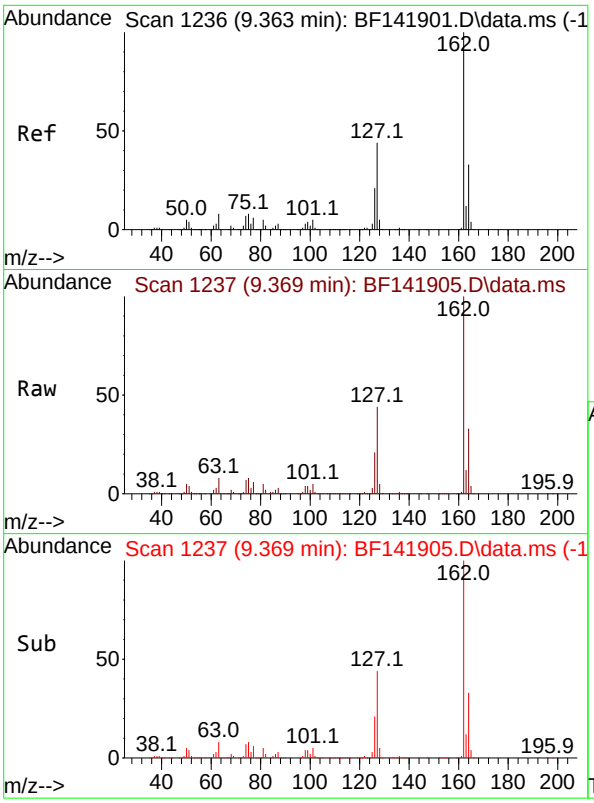


#46
1,1'-Biphenyl
Concen: 49.526 ng
RT: 9.339 min Scan# 1232
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:154 Resp: 1809746

Ion	Ratio	Lower	Upper
154	100		
153	41.3	21.1	61.1
76	11.8	0.0	31.3



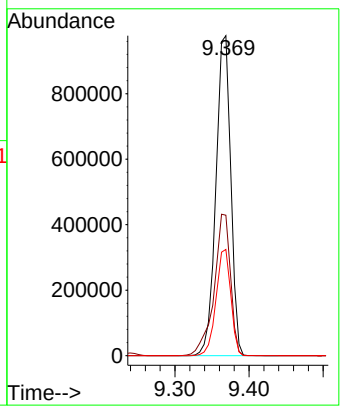


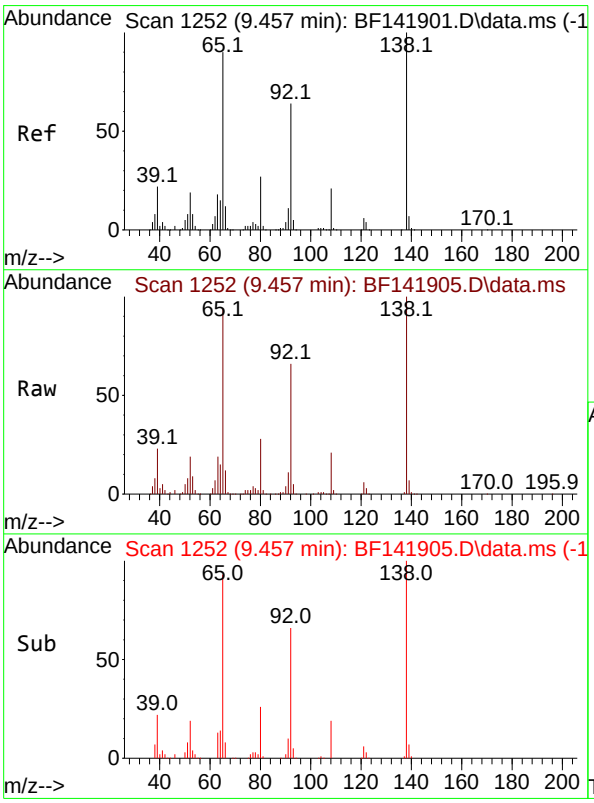
#47
2-Chloronaphthalene
Concen: 49.960 ng
RT: 9.369 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 1360528

Ion	Ratio	Lower	Upper
162	100		
127	43.9	35.5	53.3
164	33.2	26.6	40.0

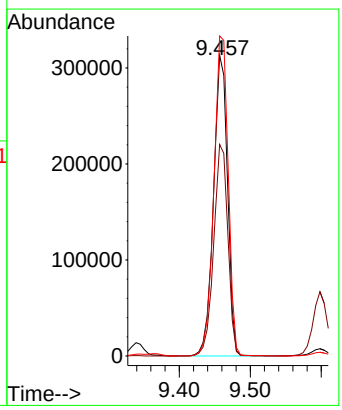


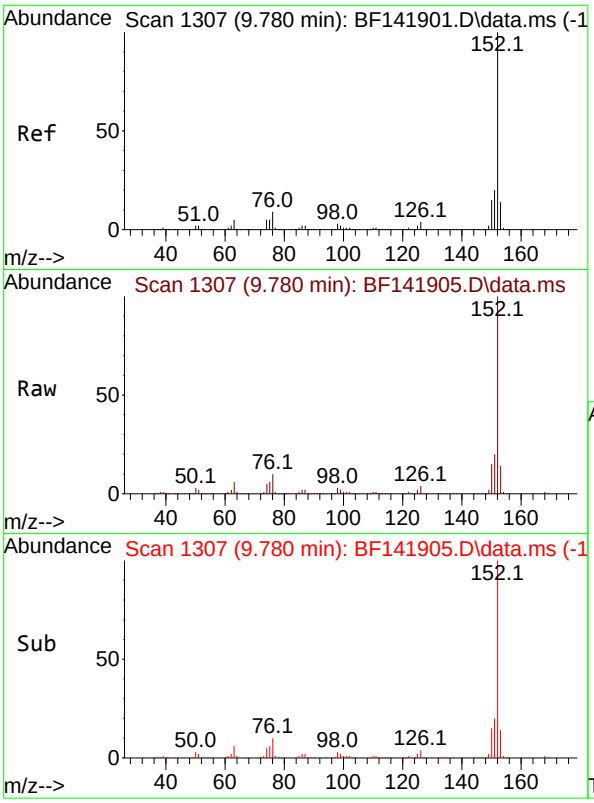


#48
2-Nitroaniline
Concen: 54.854 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 65 Resp: 429111

Ion	Ratio	Lower	Upper
65	100		
92	70.4	56.6	84.8
138	106.4	88.6	133.0



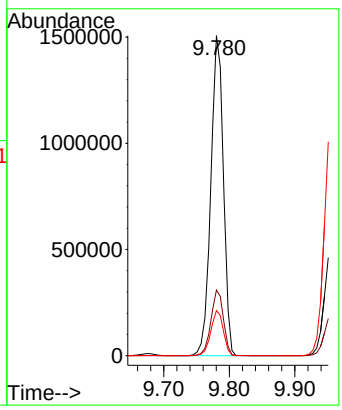


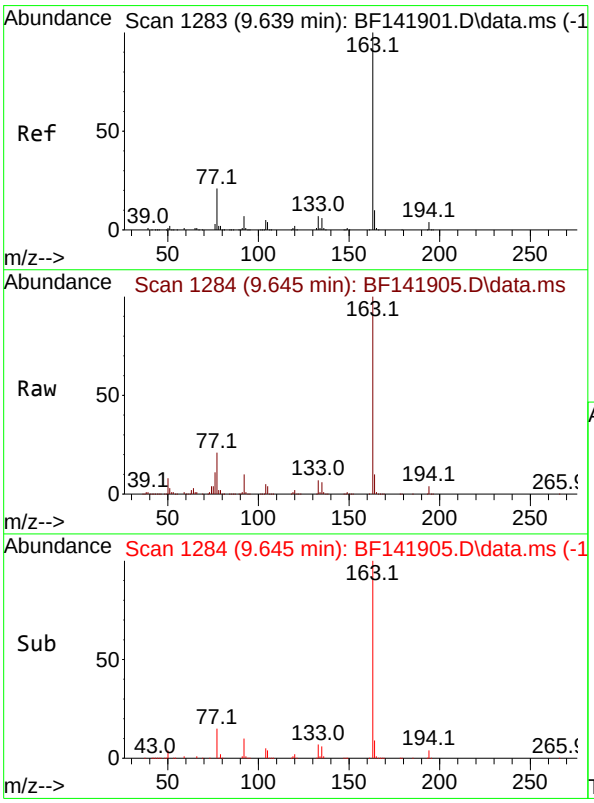
#49
Acenaphthylene
Concen: 49.674 ng
RT: 9.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 2005538

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.3	24.5
153	14.1	11.1	16.7

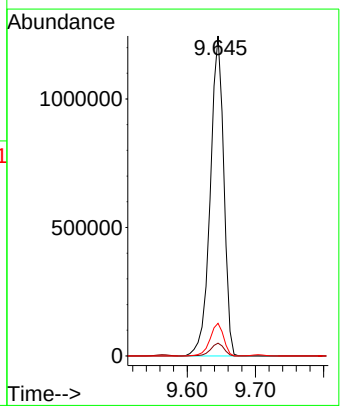


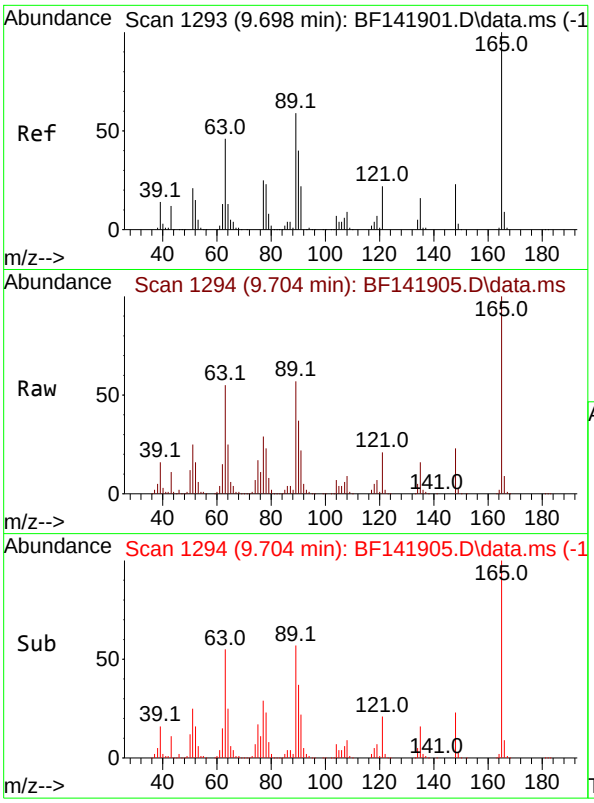


#50
Dimethylphthalate
Concen: 51.273 ng
RT: 9.645 min Scan# 1284
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:163 Resp: 1716995

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.2	8.2	12.4



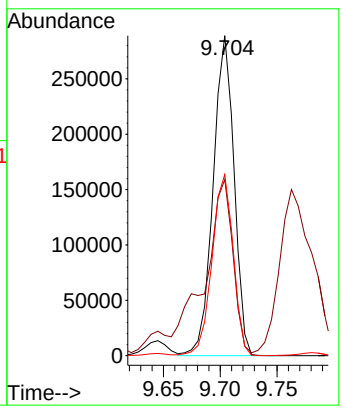


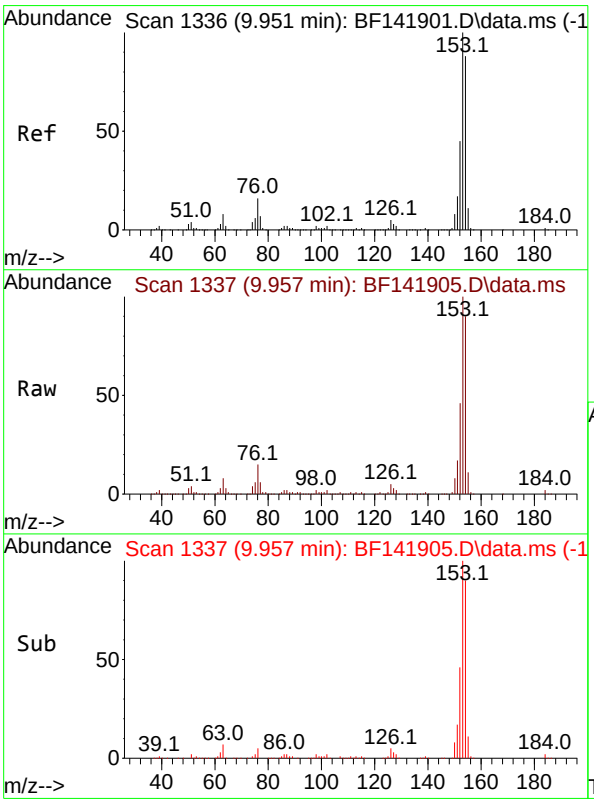
#51
2,6-Dinitrotoluene
Concen: 53.184 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 370368

Ion	Ratio	Lower	Upper
165	100		
63	55.0	47.0	70.4
89	56.6	47.4	71.2

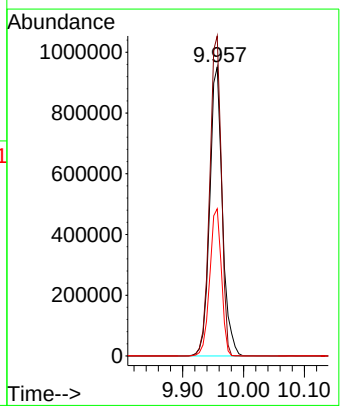


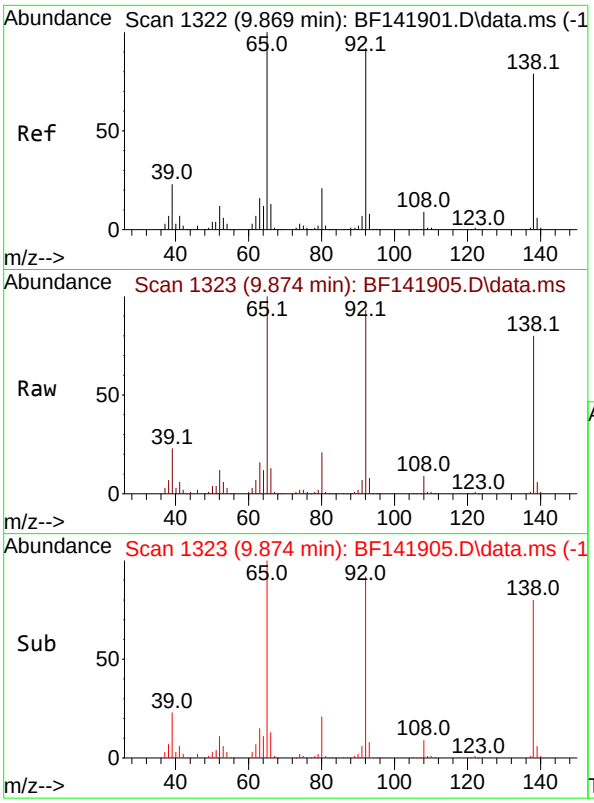


#52
Acenaphthene
Concen: 48.333 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:154 Resp: 1377901

Ion	Ratio	Lower	Upper
154	100		
153	110.7	90.7	136.1
152	51.0	41.1	61.7



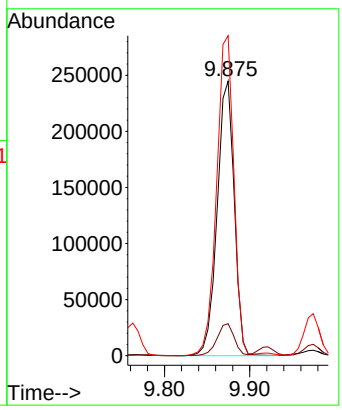


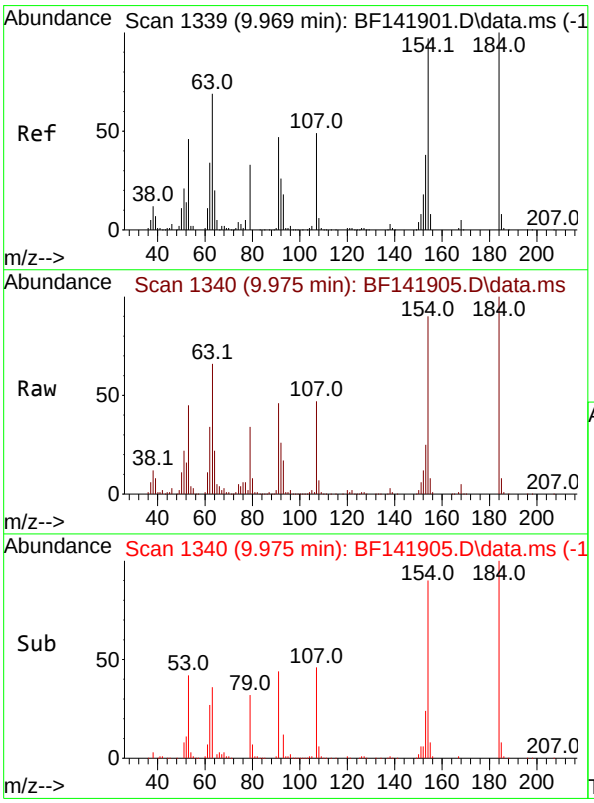
#53
3-Nitroaniline
Concen: 47.638 ng
RT: 9.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 340633

Ion	Ratio	Lower	Upper
138	100		
108	11.6	9.3	13.9
92	116.5	93.5	140.3

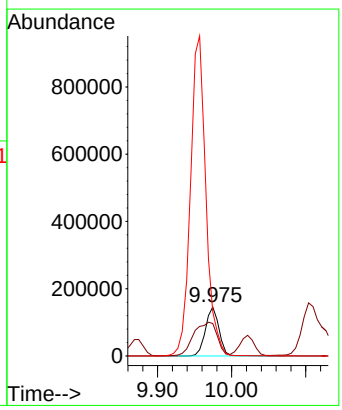


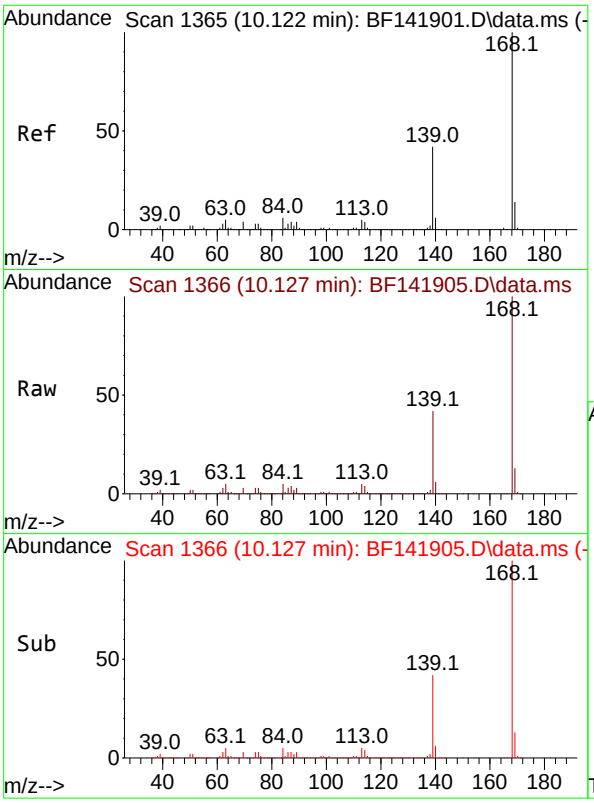


#54
2,4-Dinitrophenol
Concen: 49.104 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:184 Resp: 184410

Ion	Ratio	Lower	Upper
184	100		
63	66.3	60.2	90.4
154	90.1	132.9	199.3#



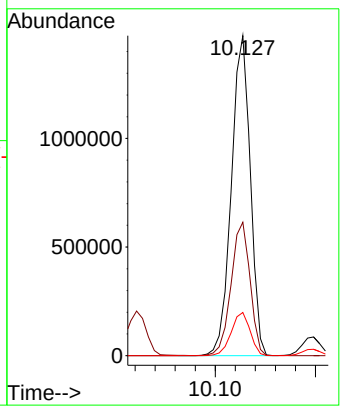


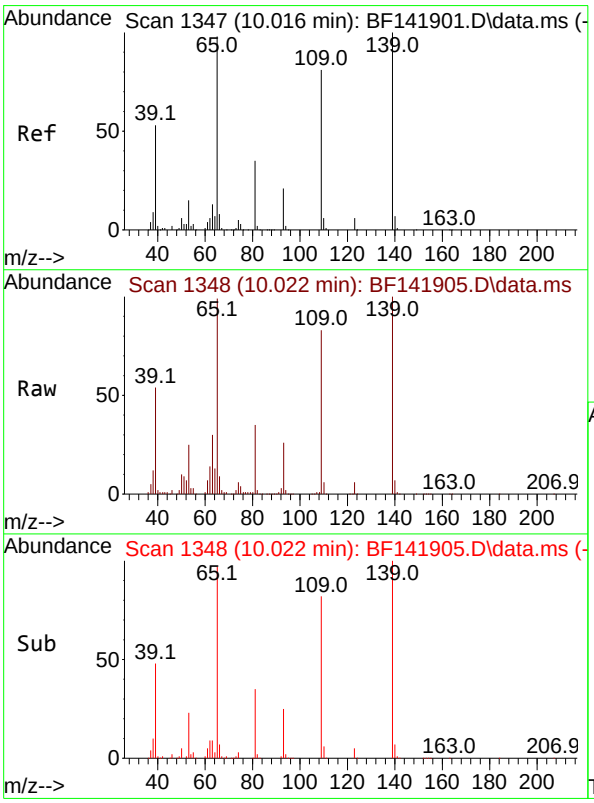
#55
Dibenzofuran
Concen: 47.647 ng
RT: 10.127 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 1936780

Ion	Ratio	Lower	Upper
168	100		
139	41.7	33.9	50.9
169	13.5	11.0	16.4

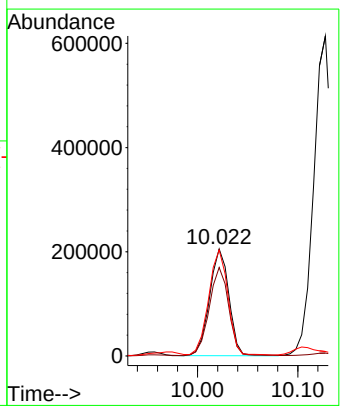


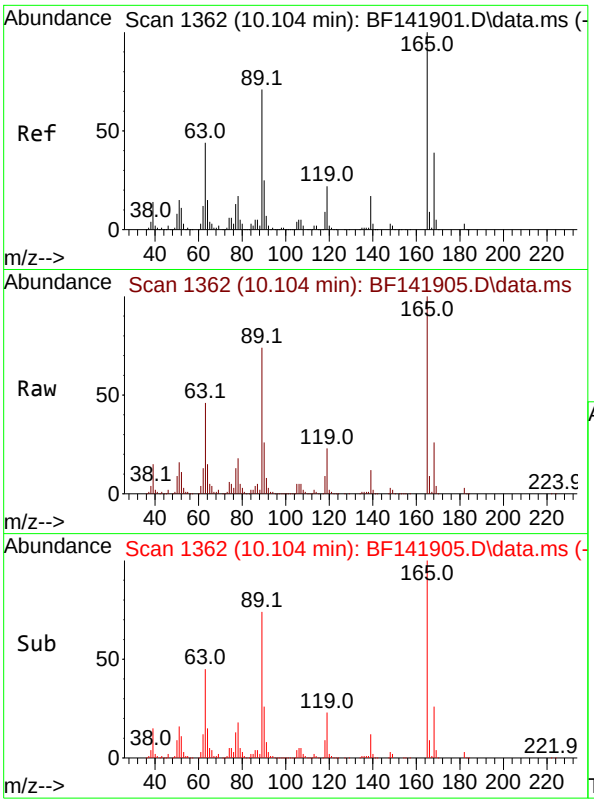


#56
4-Nitrophenol
Concen: 51.474 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:139 Resp: 276487

Ion	Ratio	Lower	Upper
139	100		
109	82.6	61.6	101.6
65	99.1	79.4	119.4



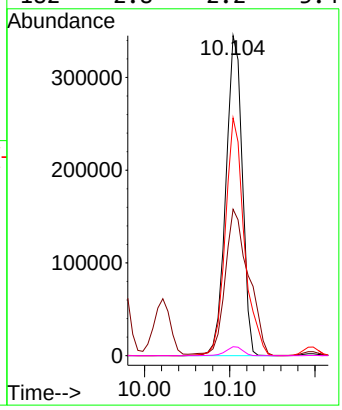


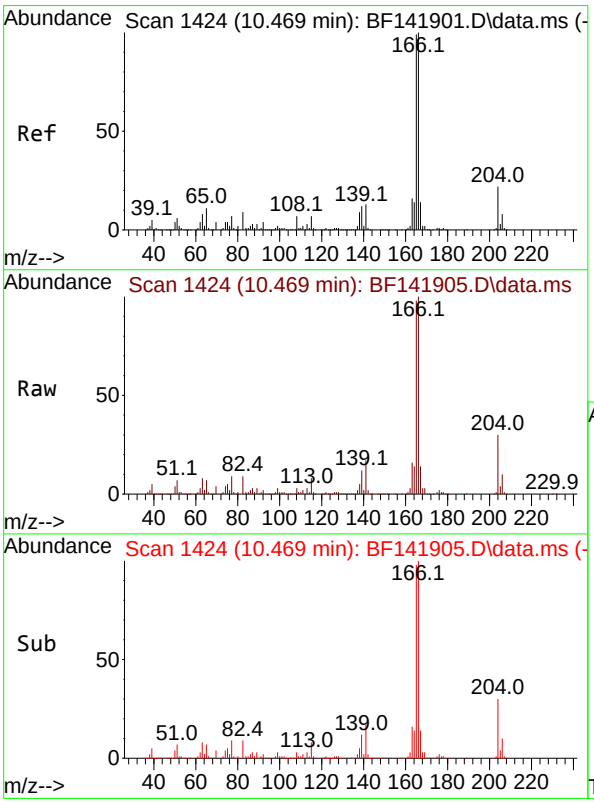
#57
2,4-Dinitrotoluene
Concen: 50.321 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 461276

Ion	Ratio	Lower	Upper
165	100		
63	45.8	35.4	53.2
89	74.3	56.6	84.8
182	2.8	2.2	3.4

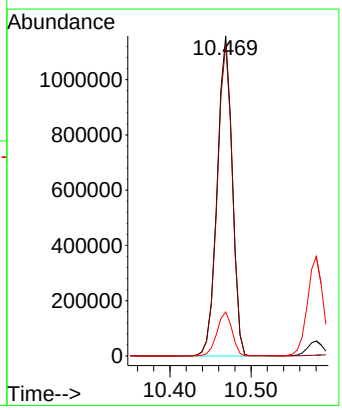


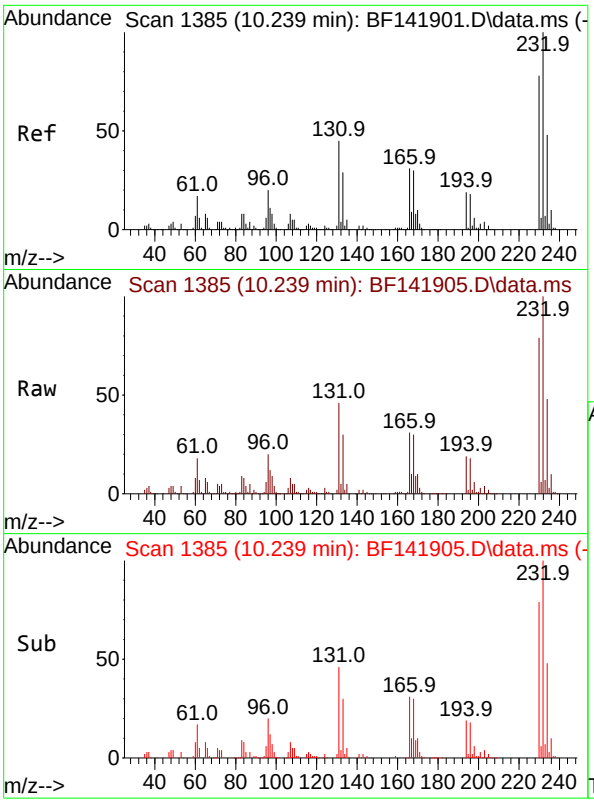


#58
Fluorene
Concen: 47.708 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:166 Resp: 1497123

Ion	Ratio	Lower	Upper
166	100		
165	97.6	79.0	118.4
167	13.7	11.0	16.4



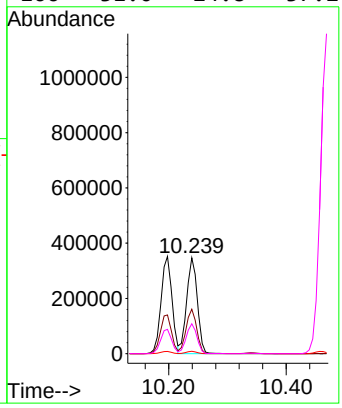


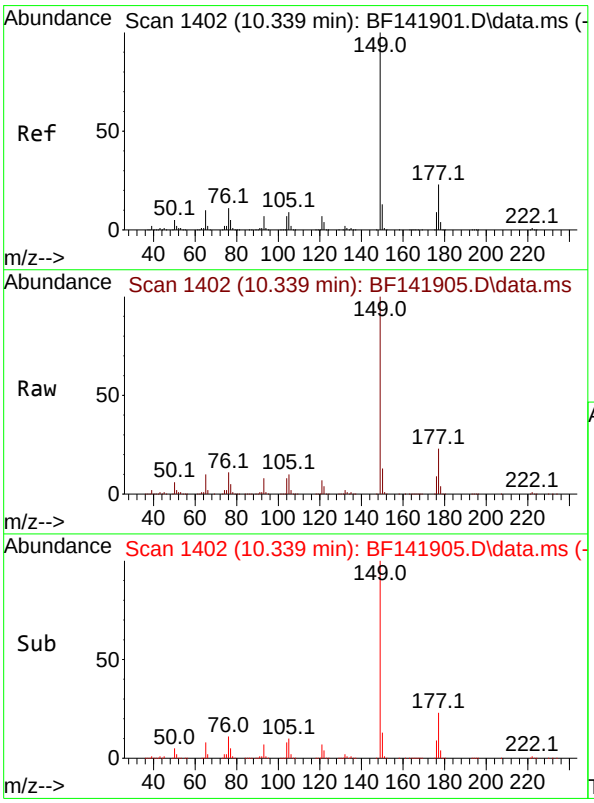
#59
2,3,4,6-Tetrachlorophenol
Concen: 49.600 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 438025

Ion	Ratio	Lower	Upper
232	100		
131	46.2	37.3	55.9
130	2.4	1.9	2.9
166	31.0	24.8	37.2

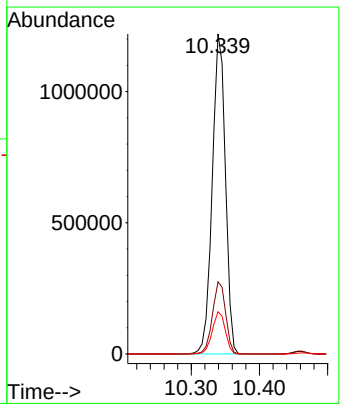


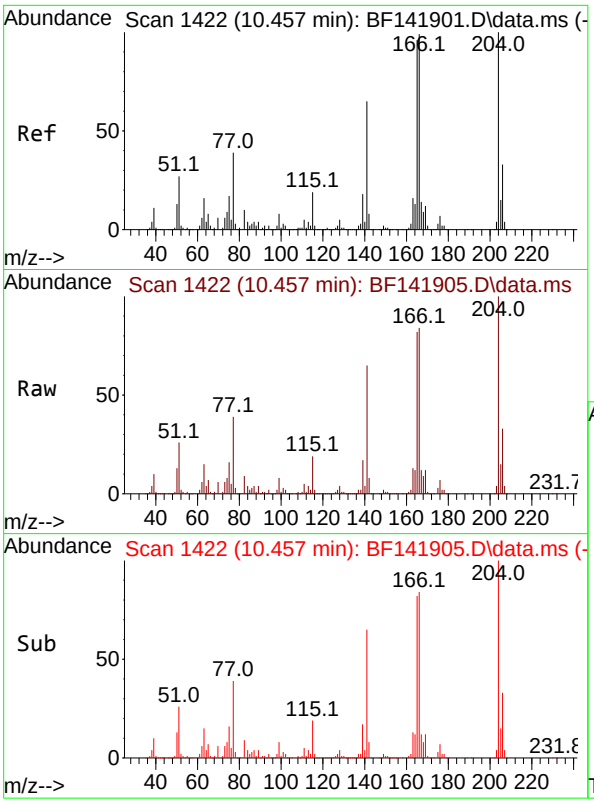


#60
Diethylphthalate
Concen: 48.639 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:149 Resp: 1635073

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.0	27.0
150	13.2	10.2	15.4



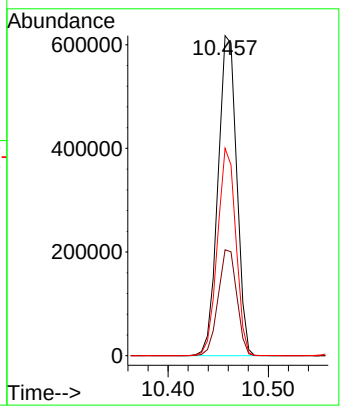


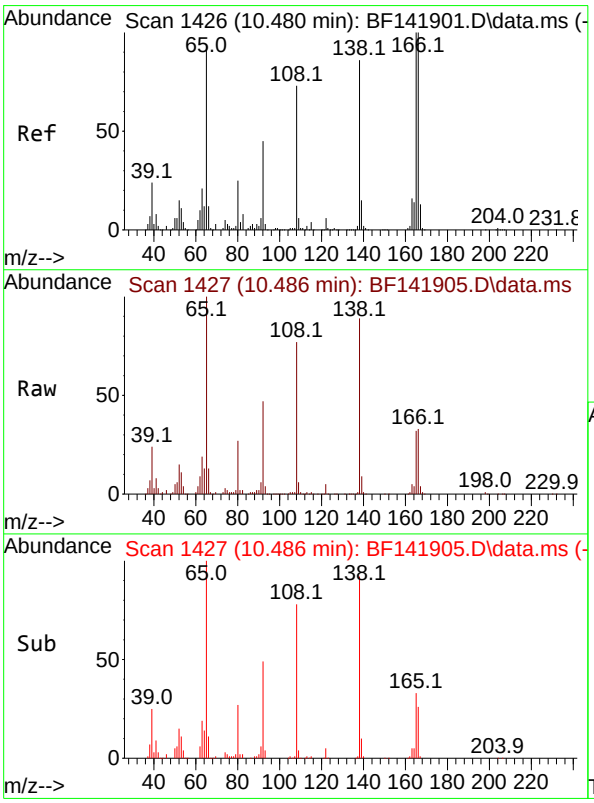
#61
4-Chlorophenyl-phenylether
Concen: 48.929 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 799744

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.8	40.2
141	64.8	52.4	78.6

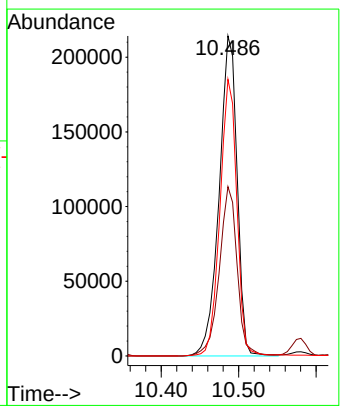


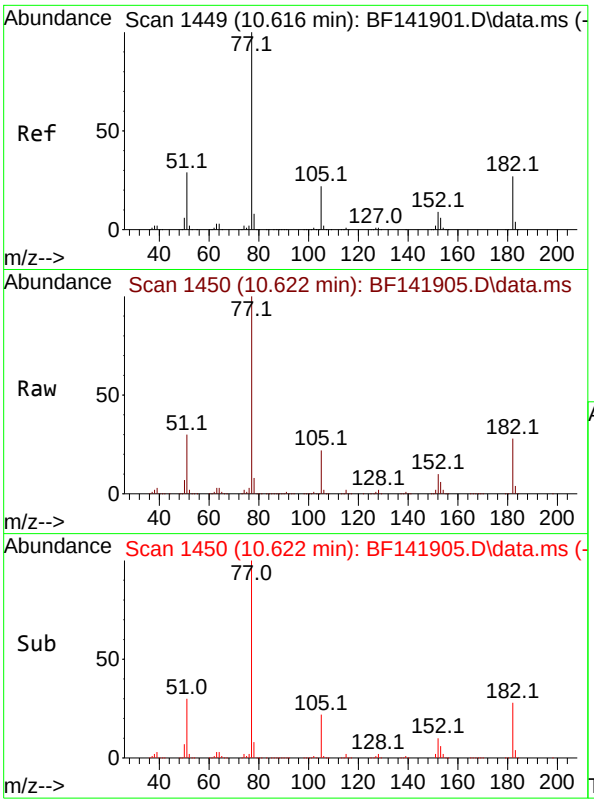


#62
4-Nitroaniline
Concen: 49.990 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:138 Resp: 346378

Ion	Ratio	Lower	Upper
138	100		
92	52.9	32.6	72.6
108	86.4	65.0	105.0



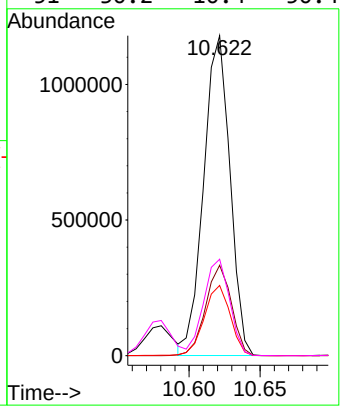


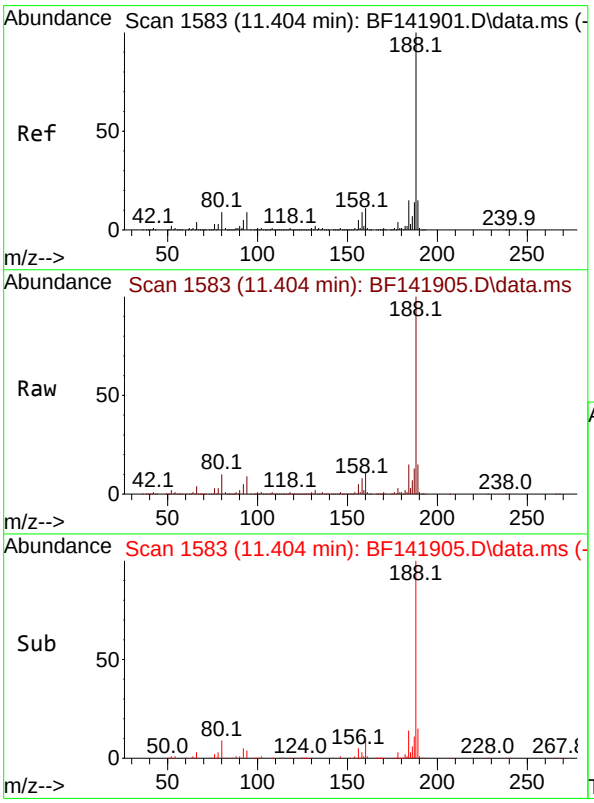
#63
Azobenzene
Concen: 48.653 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 1519356

Ion	Ratio	Lower	Upper
77	100		
182	28.3	6.6	46.6
105	22.0	1.3	41.3
51	30.2	10.4	50.4

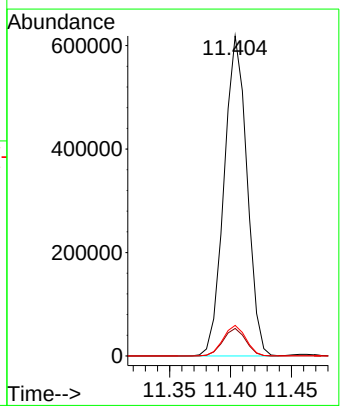


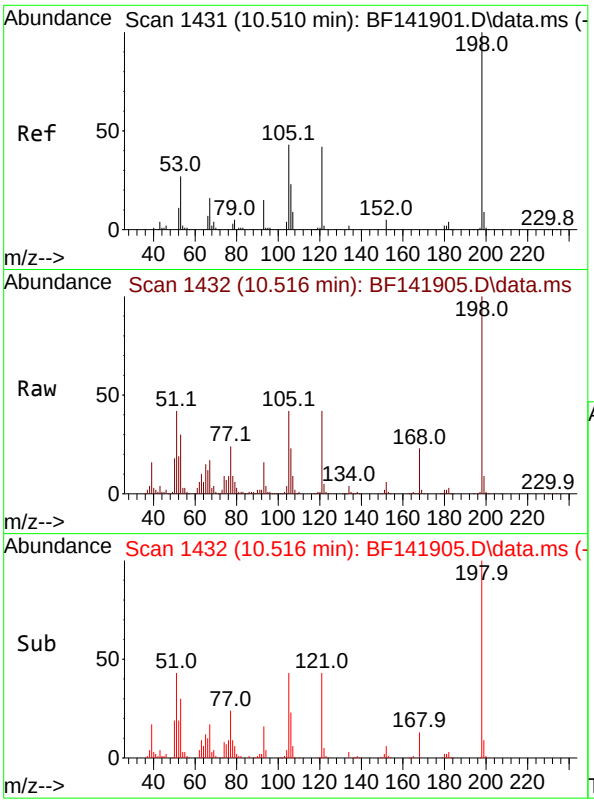


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:188 Resp: 811142

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.8	10.2
80	9.6	7.6	11.4



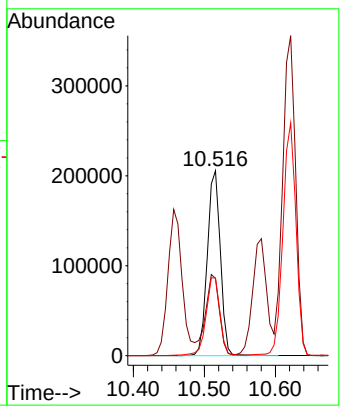


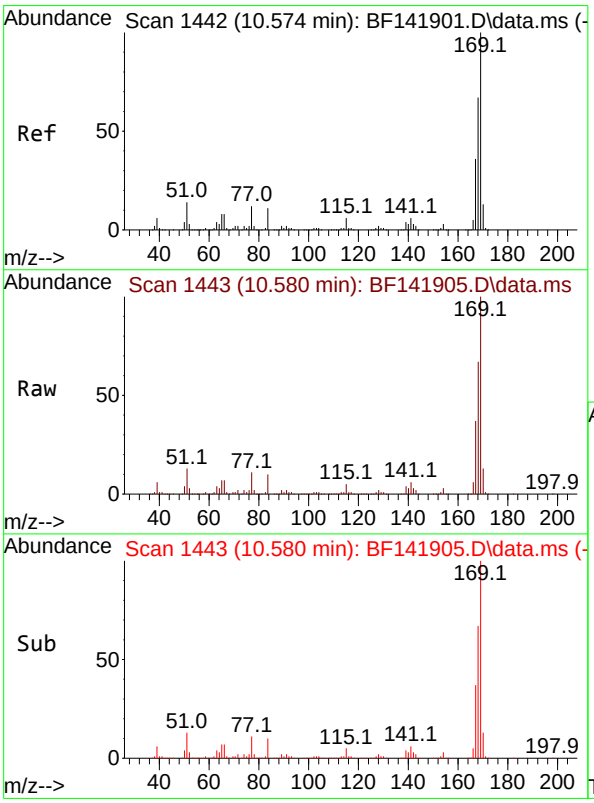
#65
4,6-Dinitro-2-methylphenol
Concen: 54.673 ng
RT: 10.516 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 262910

Ion	Ratio	Lower	Upper
198	100		
51	41.7	22.3	62.3
105	42.0	23.0	63.0

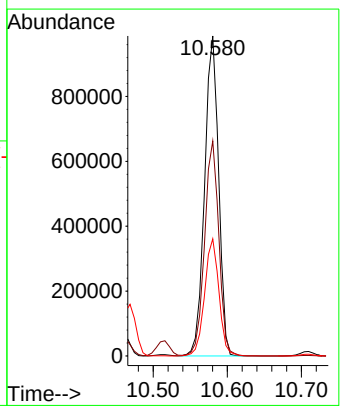


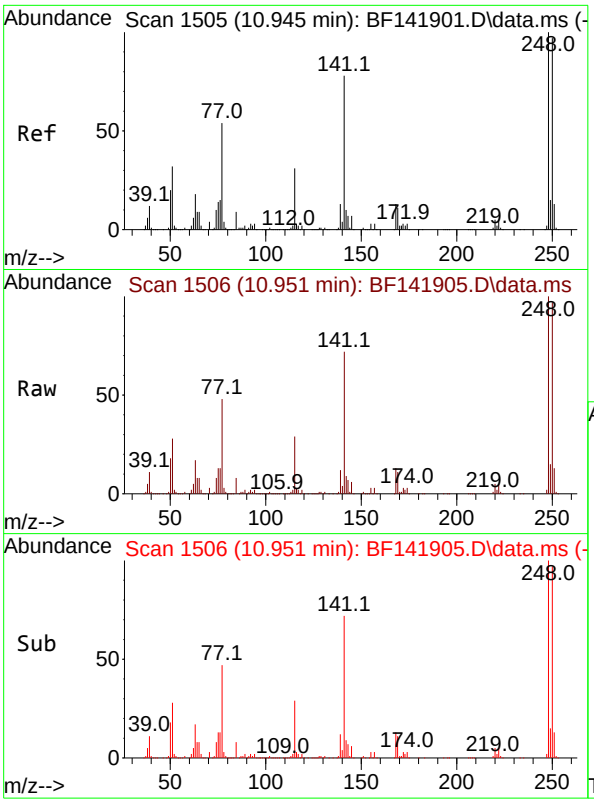


#66
n-Nitrosodiphenylamine
Concen: 49.373 ng
RT: 10.580 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:169 Resp: 1293745

Ion	Ratio	Lower	Upper
169	100		
168	67.2	53.7	80.5
167	36.6	29.2	43.8



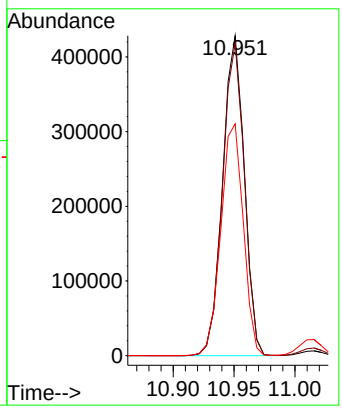


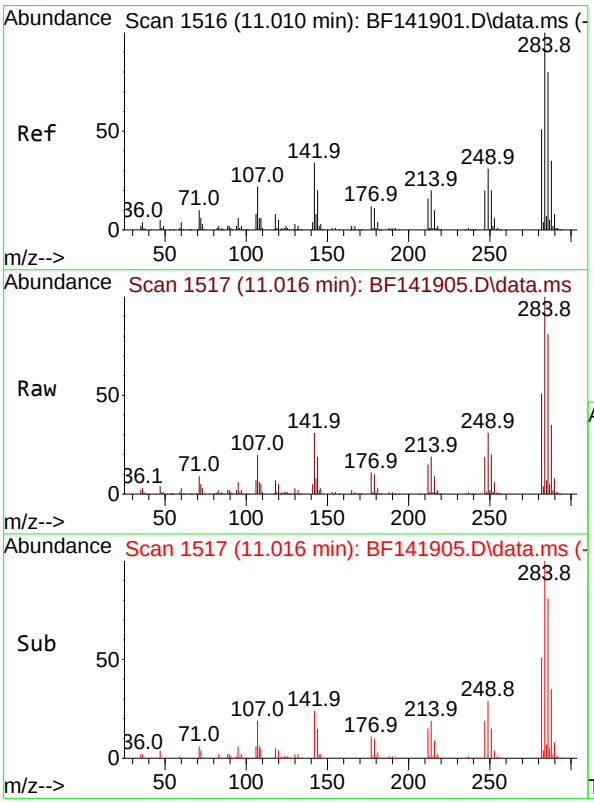
#67
4-Bromophenyl-phenylether
Concen: 52.740 ng
RT: 10.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 532762

Ion	Ratio	Lower	Upper
248	100		
250	97.5	77.8	116.8
141	72.5	62.6	93.8

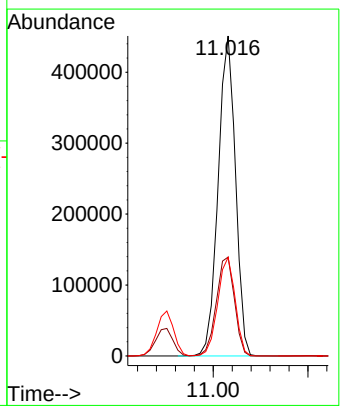


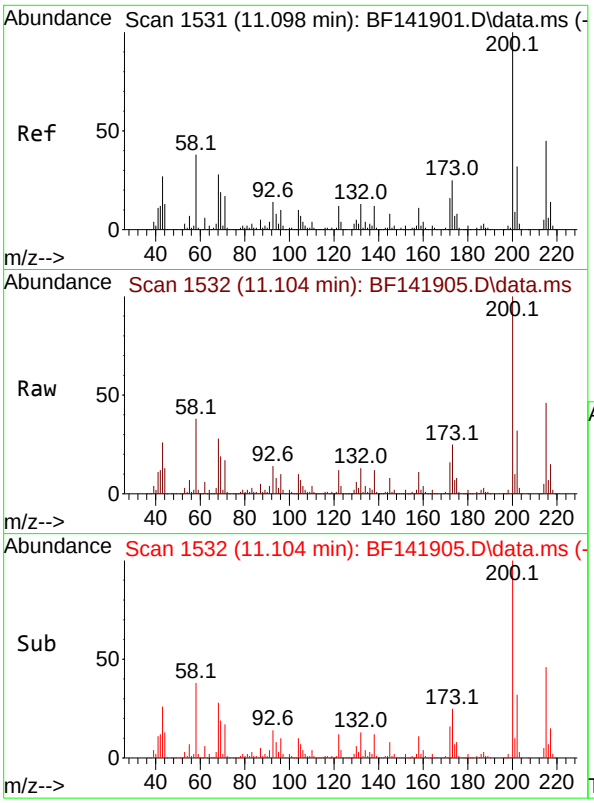


#68
Hexachlorobenzene
Concen: 51.359 ng
RT: 11.016 min Scan# 1517
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:284 Resp: 573467

Ion	Ratio	Lower	Upper
284	100		
142	30.9	27.0	40.6
249	30.8	25.2	37.8



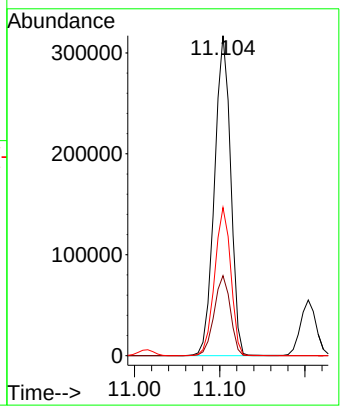


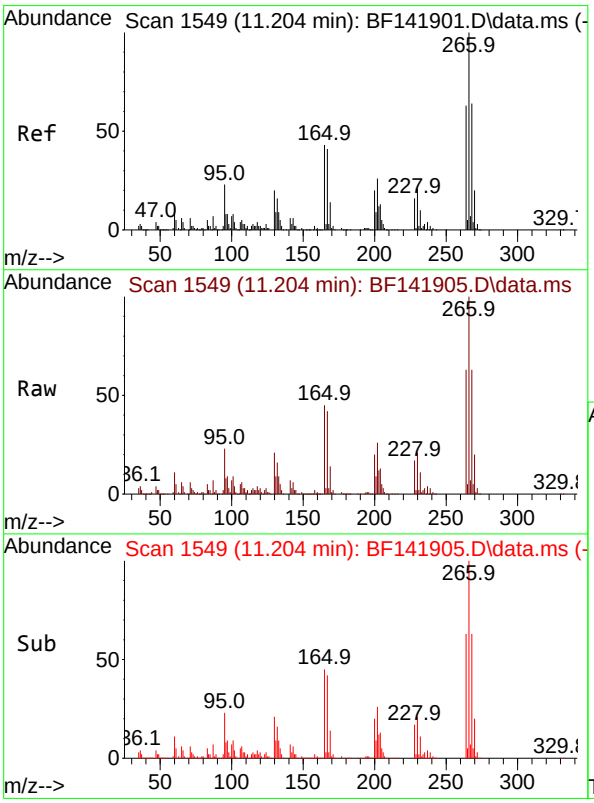
#69
Atrazine
Concen: 65.441 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 418147

Ion	Ratio	Lower	Upper
200	100		
173	25.0	4.7	44.7
215	46.3	25.4	65.4

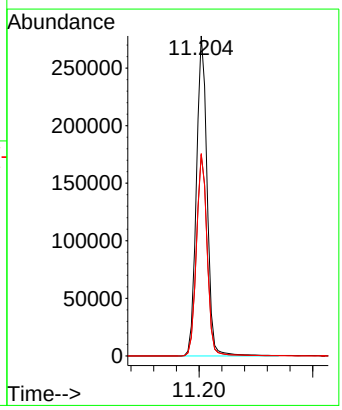


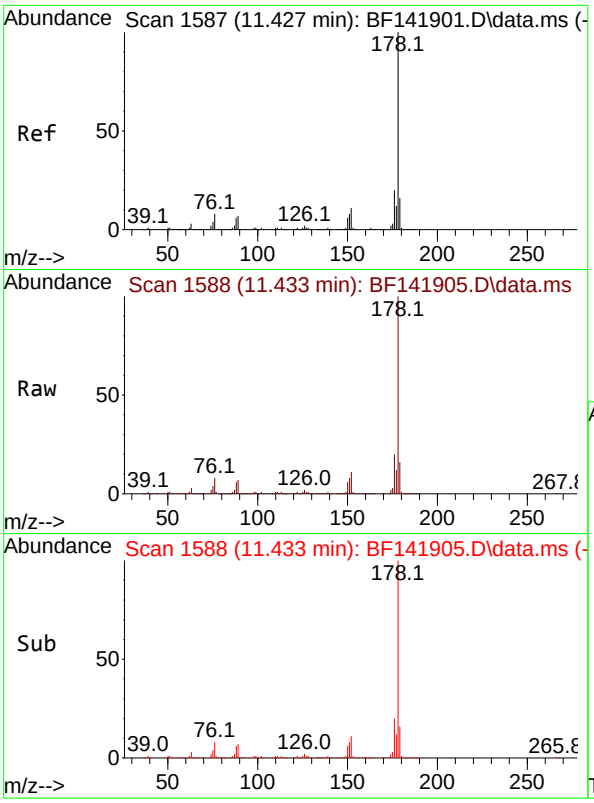


#70
Pentachlorophenol
Concen: 53.050 ng
RT: 11.204 min Scan# 1549
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:266 Resp: 365292

Ion	Ratio	Lower	Upper
266	100		
268	62.9	51.0	76.6
264	63.3	50.2	75.2



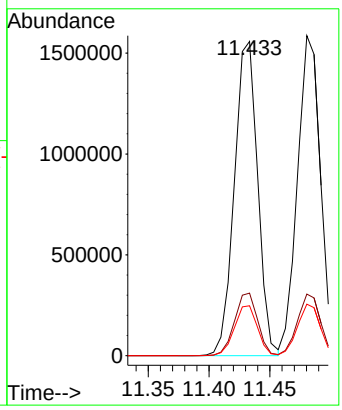


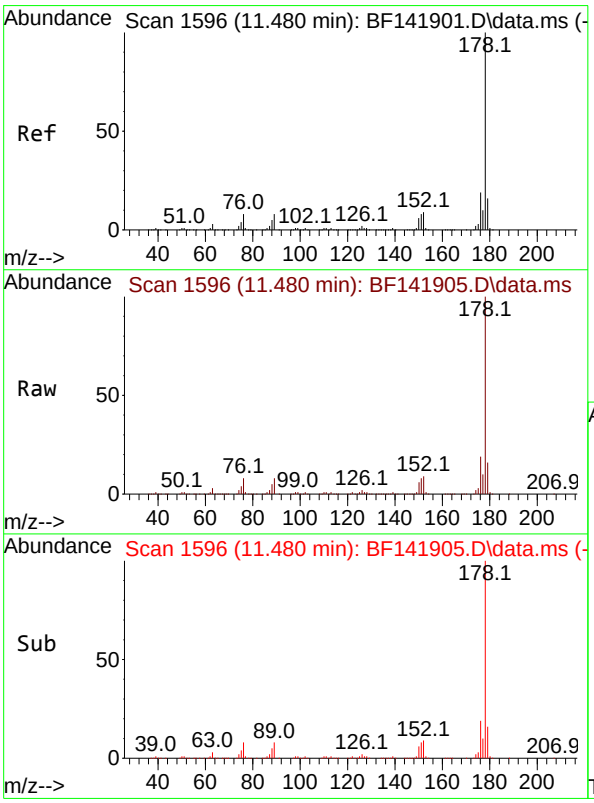
#71
Phenanthrene
Concen: 47.434 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 2080633

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.9	12.6	19.0

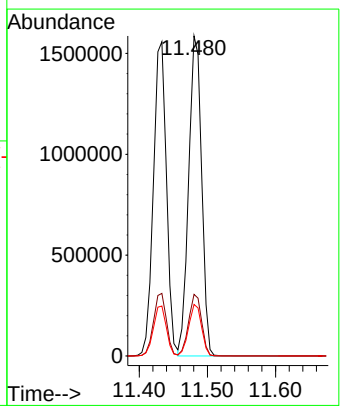


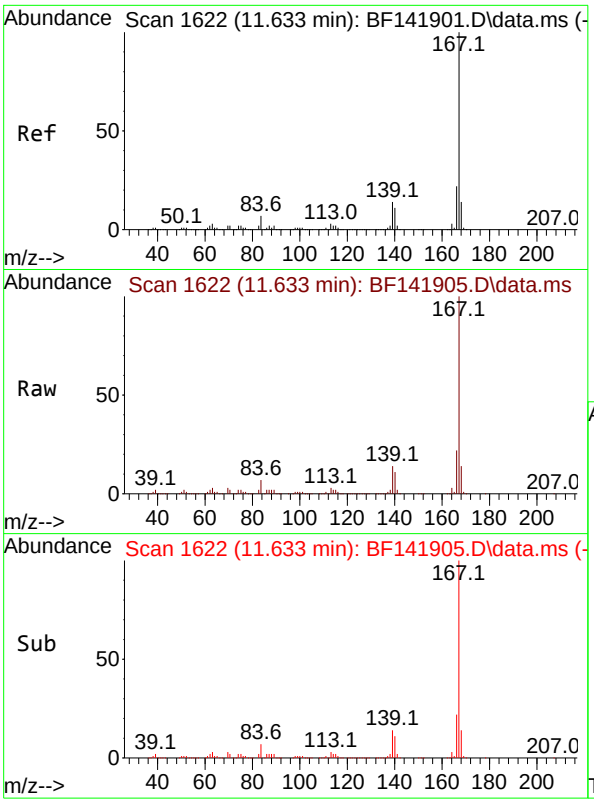


#72
Anthracene
Concen: 47.299 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:178 Resp: 2081490

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	16.1	12.6	19.0



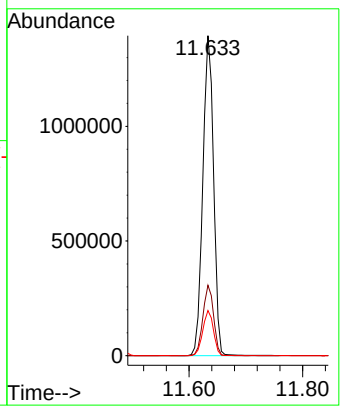


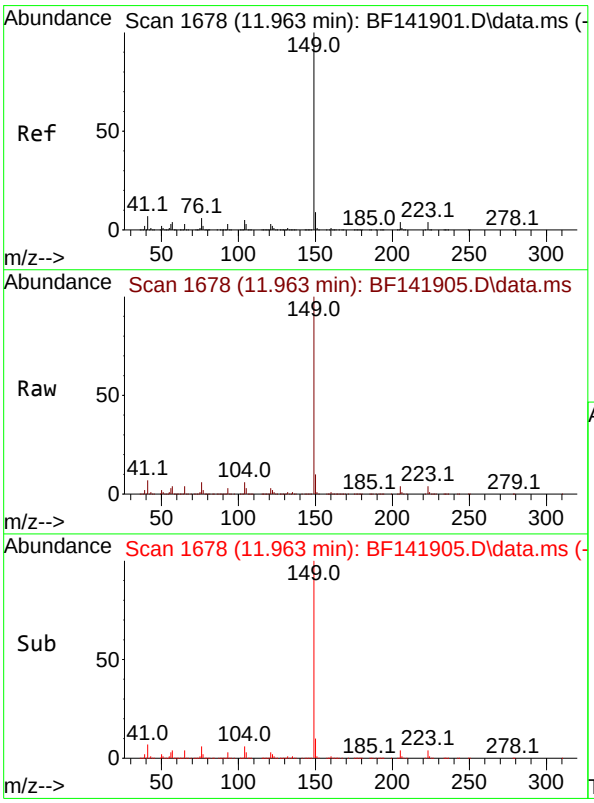
#73
Carbazole
Concen: 48.338 ng
RT: 11.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 1831424

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.4	26.2
139	14.1	11.0	16.6

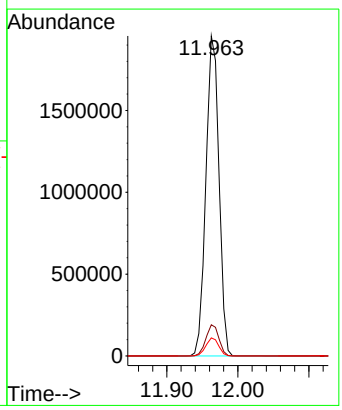


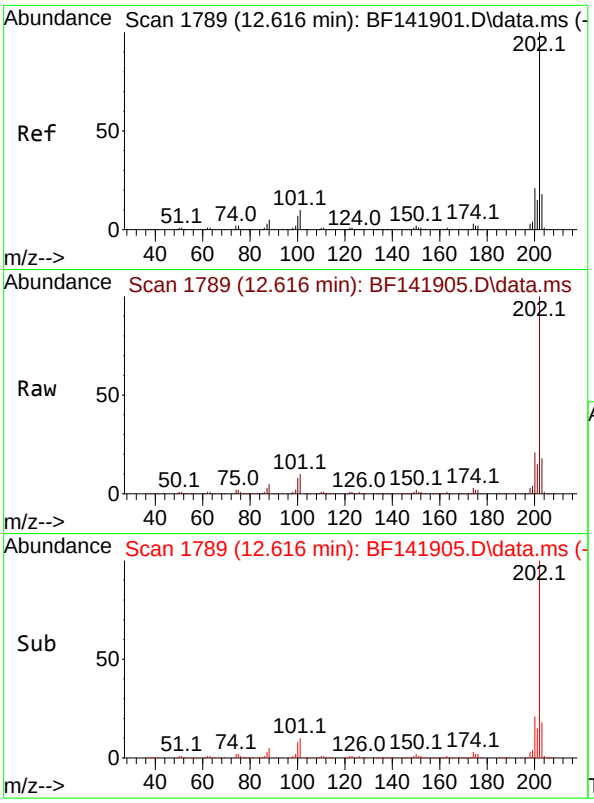


#74
Di-n-butylphthalate
Concen: 50.185 ng
RT: 11.963 min Scan# 1678
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:149 Resp: 2510447

Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.6	11.4
104	5.6	4.4	6.6



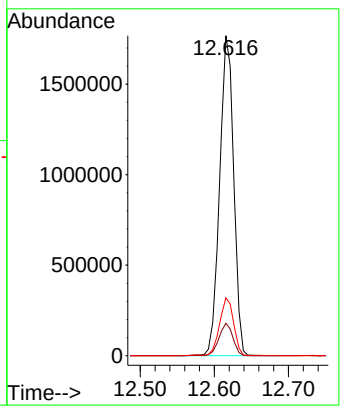


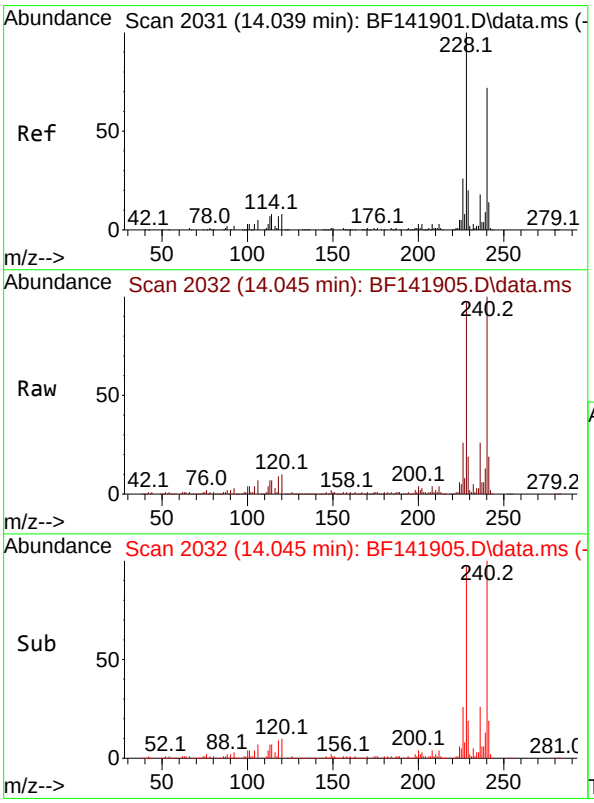
#75
Fluoranthene
Concen: 50.564 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 2328357

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	29.7
203	18.1	0.0	37.8

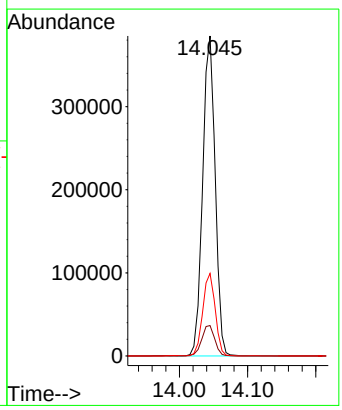


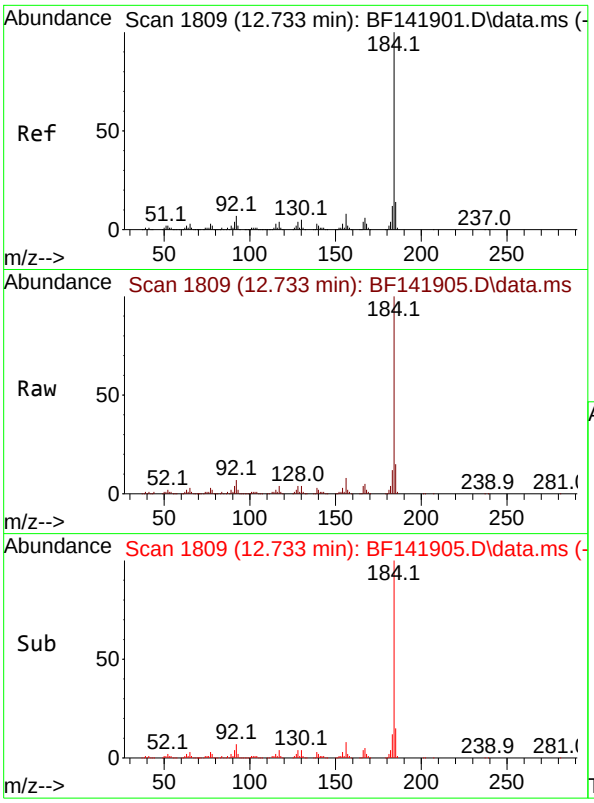


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:240 Resp: 491943

Ion	Ratio	Lower	Upper
240	100		
120	9.5	8.4	12.6
236	25.8	20.5	30.7



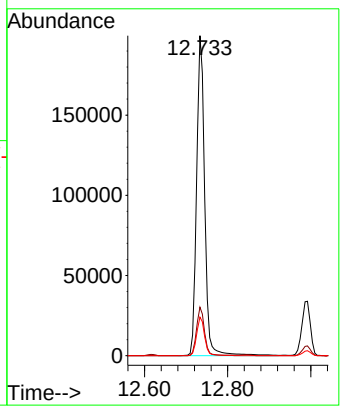


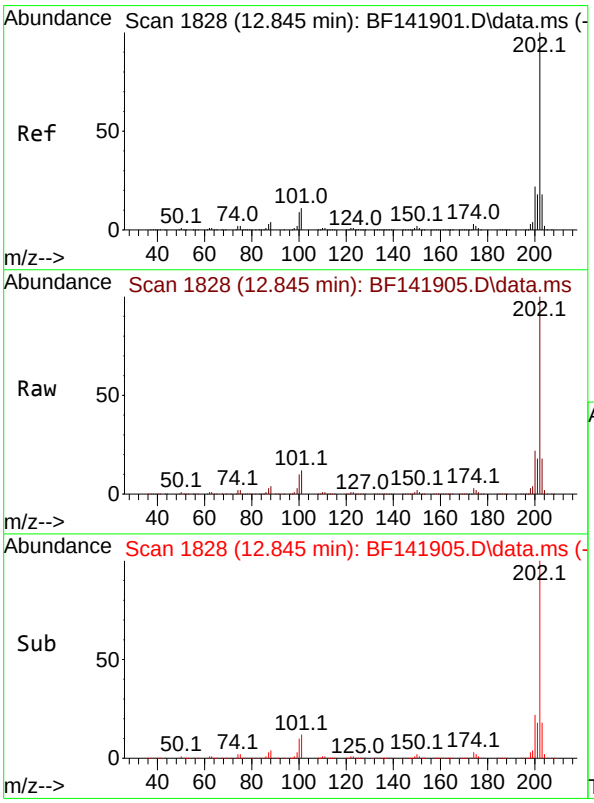
#77
Benzidine
Concen: 38.966 ng
RT: 12.733 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 270893

Ion	Ratio	Lower	Upper
184	100		
185	15.1	11.5	17.3
183	12.0	9.7	14.5

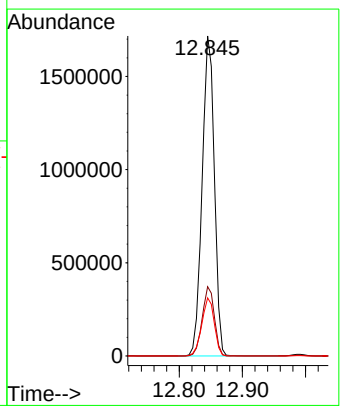


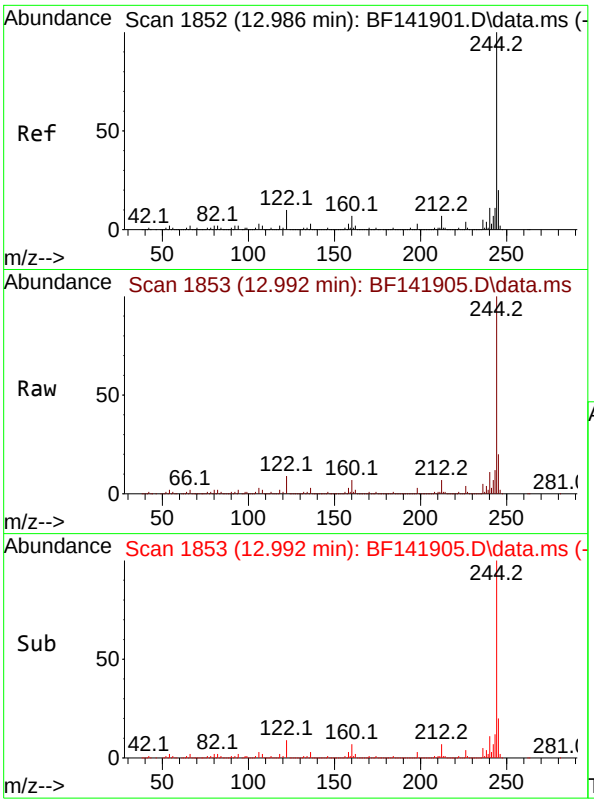


#78
Pyrene
Concen: 54.723 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:202 Resp: 2308671

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.3	25.9
203	18.2	14.4	21.6



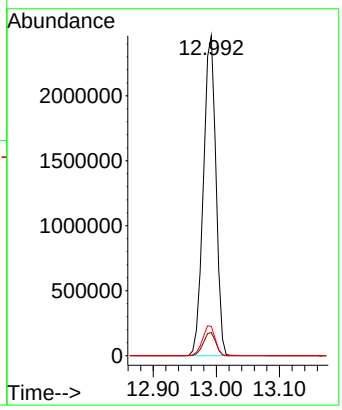


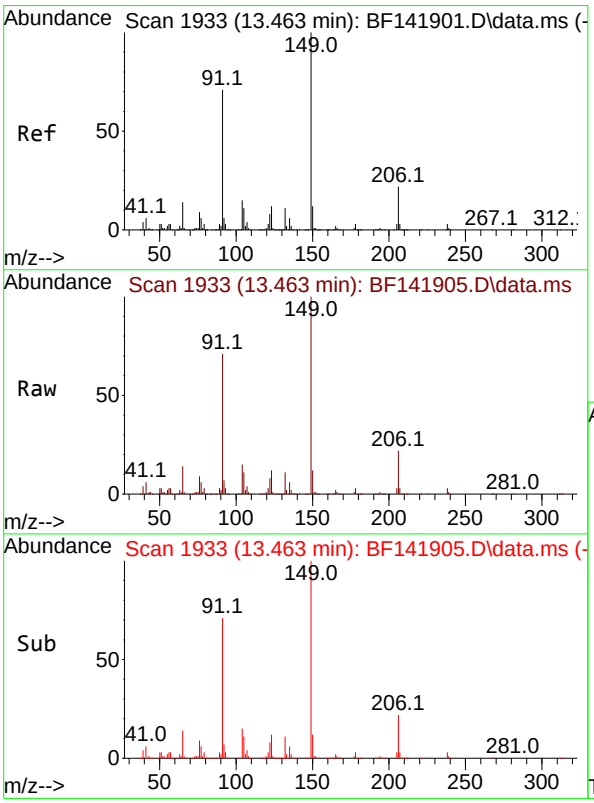
#79
Terphenyl-d14
Concen: 102.007 ng
RT: 12.992 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 3394803

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	9.2	7.7	11.5

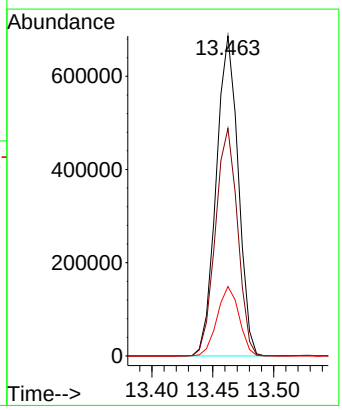


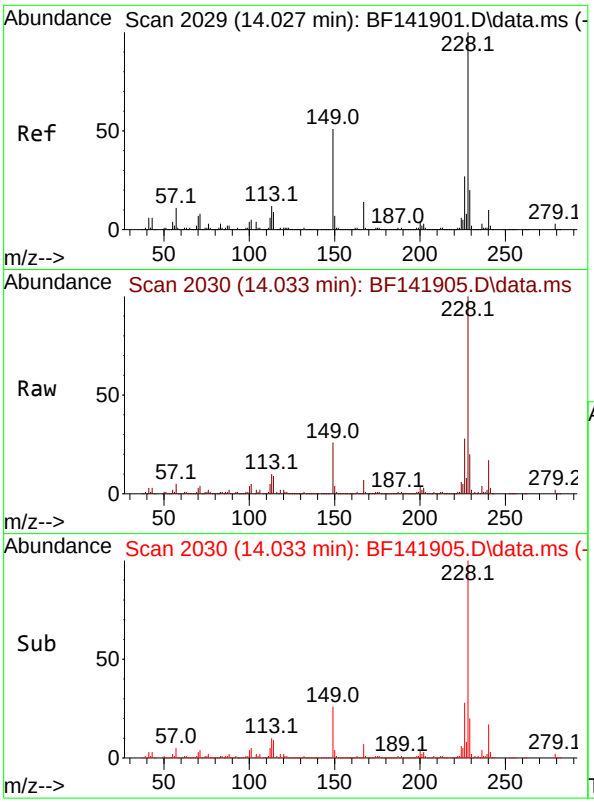


#80
Butylbenzylphthalate
Concen: 52.022 ng
RT: 13.463 min Scan# 1933
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:149 Resp: 864849

Ion	Ratio	Lower	Upper
149	100		
91	71.1	56.5	84.7
206	21.7	17.3	25.9



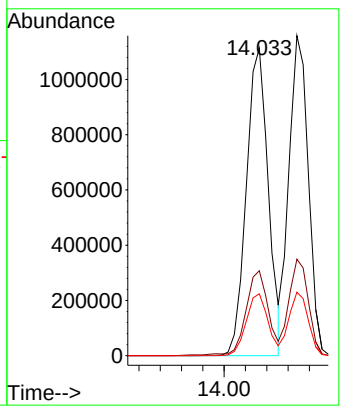


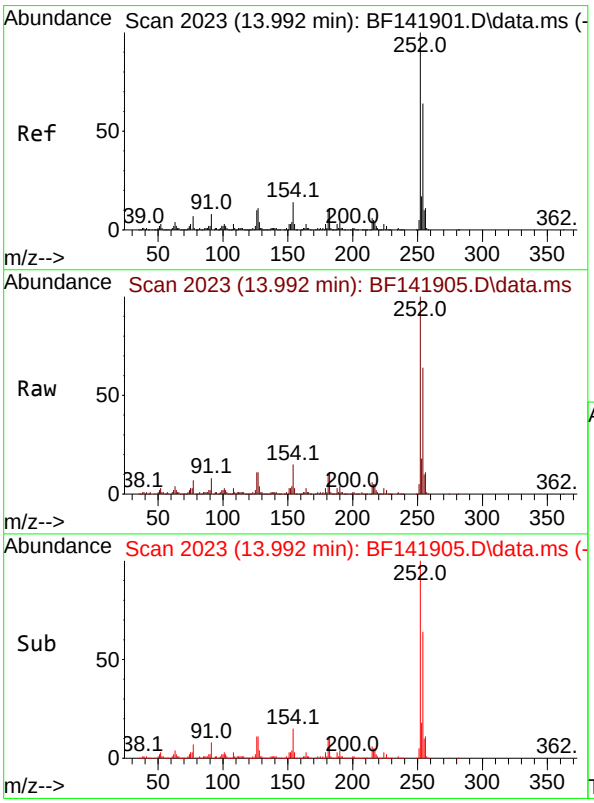
#81
Benzo(a)anthracene
Concen: 49.192 ng
RT: 14.033 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 1592035

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.8	32.8
229	20.1	16.0	24.0

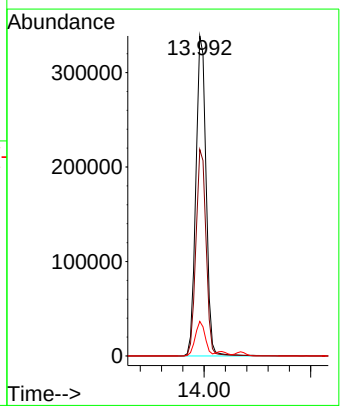


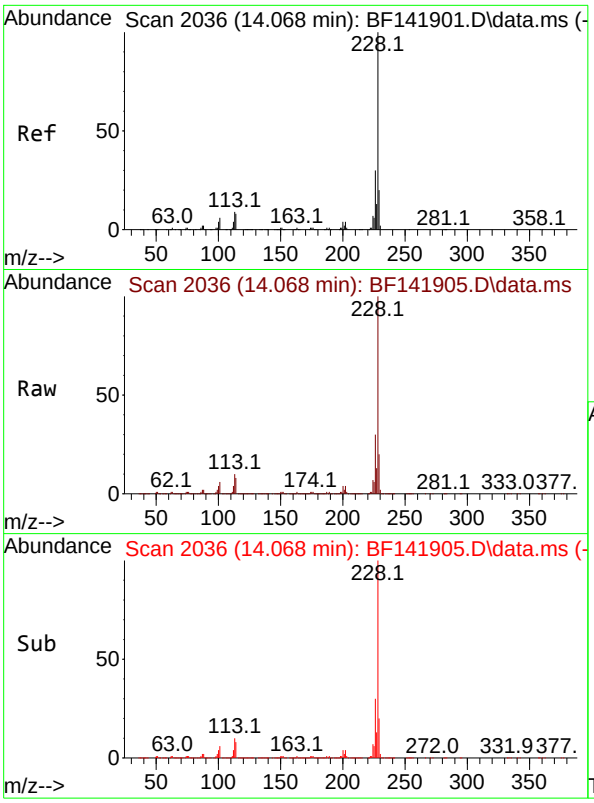


#82
3,3'-Dichlorobenzidine
Concen: 48.044 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:252 Resp: 449408

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.0	76.6
126	10.8	8.4	12.6



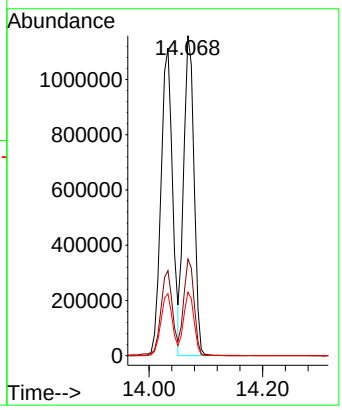


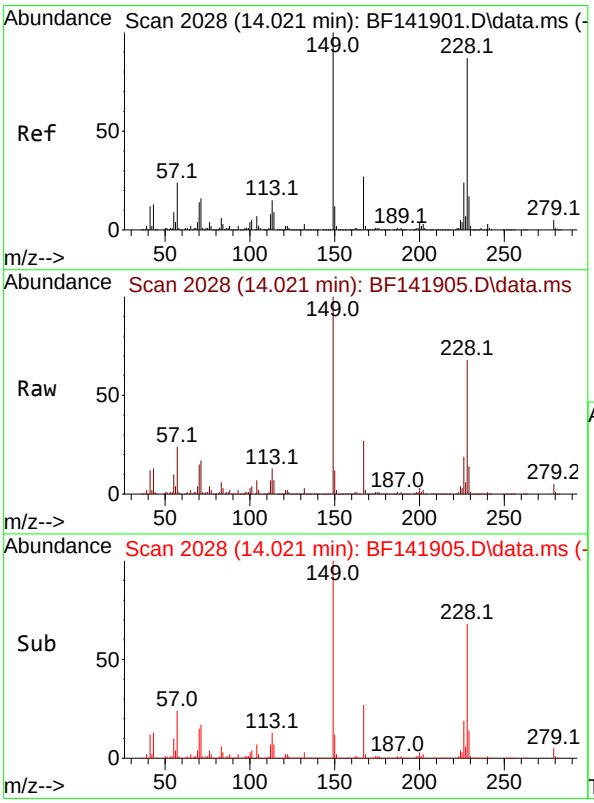
#83
Chrysene
Concen: 50.404 ng
RT: 14.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 1465389

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.1	36.1
229	19.9	15.7	23.5

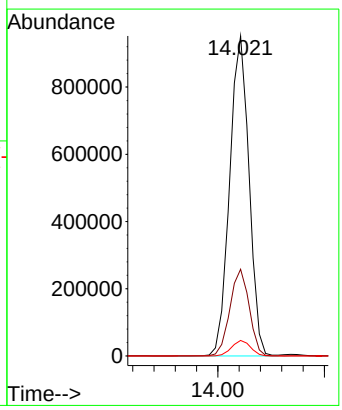


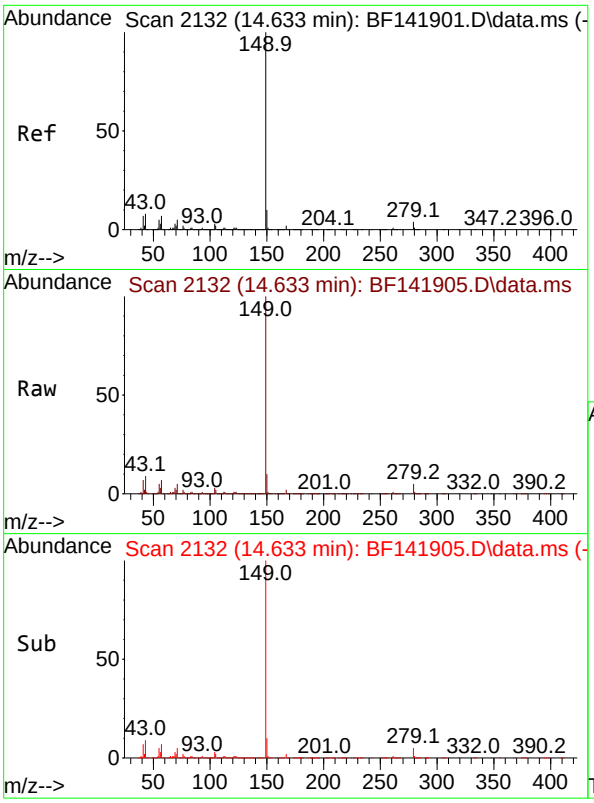


#84
Bis(2-ethylhexyl)phthalate
Concen: 52.747 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:149 Resp: 1203021

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.4	32.0
279	4.9	3.8	5.6



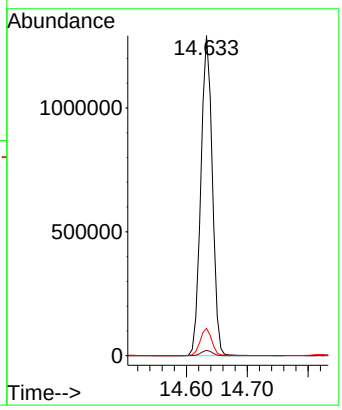


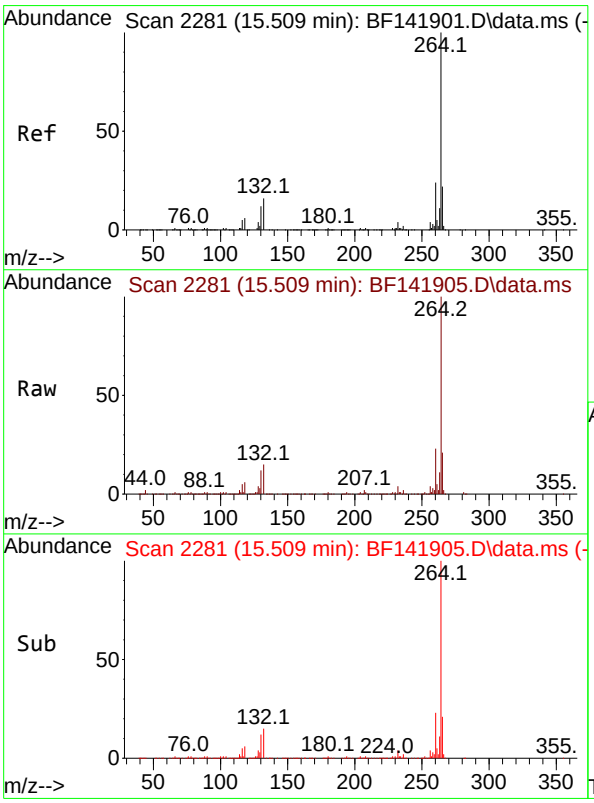
#85
Di-n-octyl phthalate
Concen: 53.307 ng
RT: 14.633 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 1692206

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.7	6.9	10.3

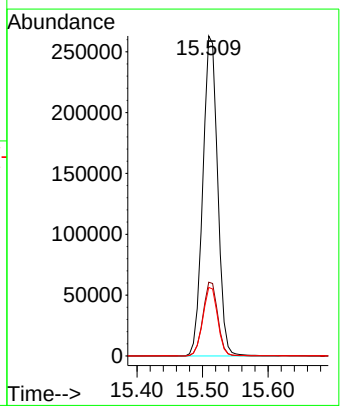


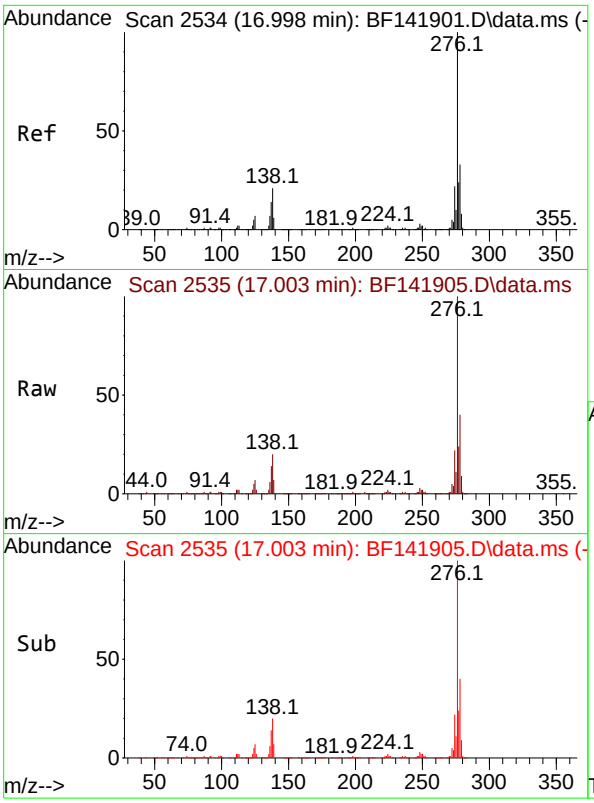


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:264 Resp: 413564

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.1	28.7
265	21.4	17.5	26.3



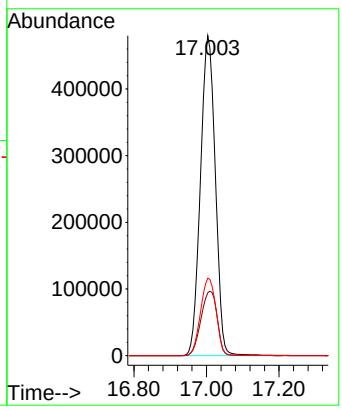


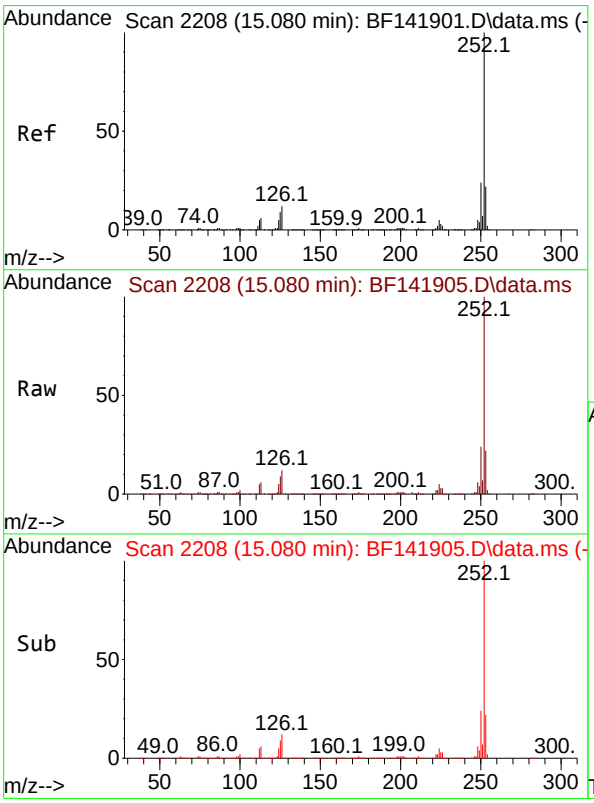
#87
Indeno(1,2,3-cd)pyrene
Concen: 50.969 ng
RT: 17.003 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 1366974

Ion	Ratio	Lower	Upper
276	100		
138	21.9	18.4	27.6
277	25.3	20.3	30.5

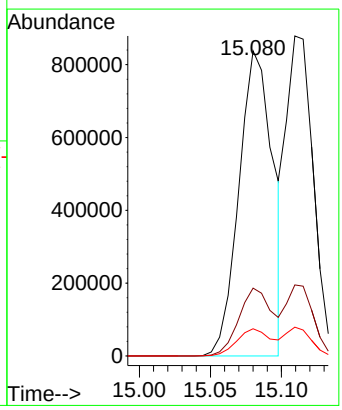


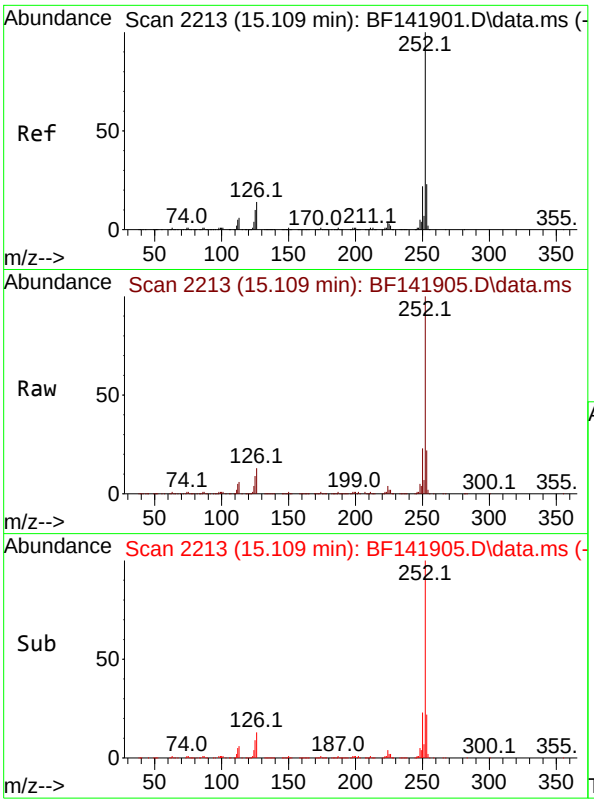


#88
Benzo(b)fluoranthene
Concen: 49.625 ng
RT: 15.080 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:252 Resp: 1392083

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	8.9	7.0	10.4



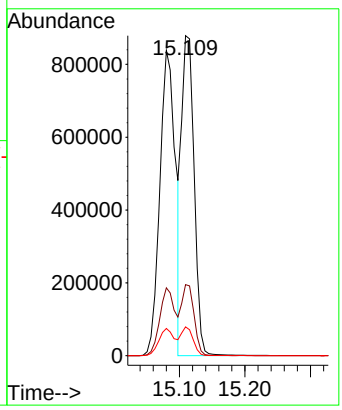


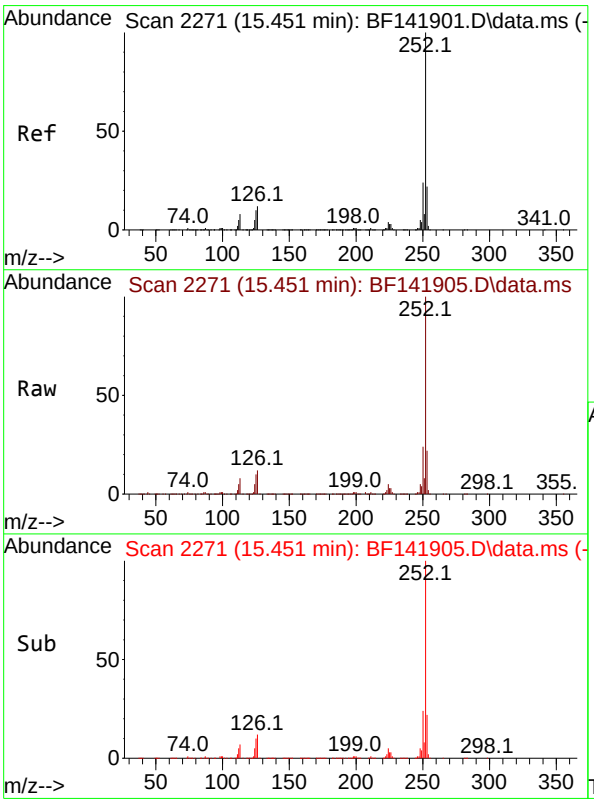
#89
Benzo(k)fluoranthene
Concen: 47.638 ng
RT: 15.109 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 1167351

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	9.0	7.2	10.8

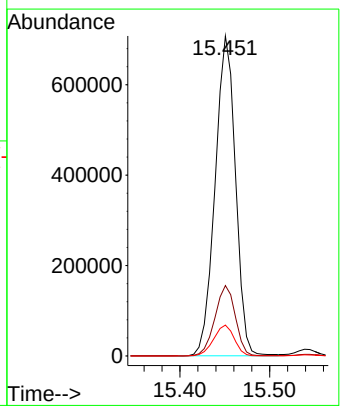


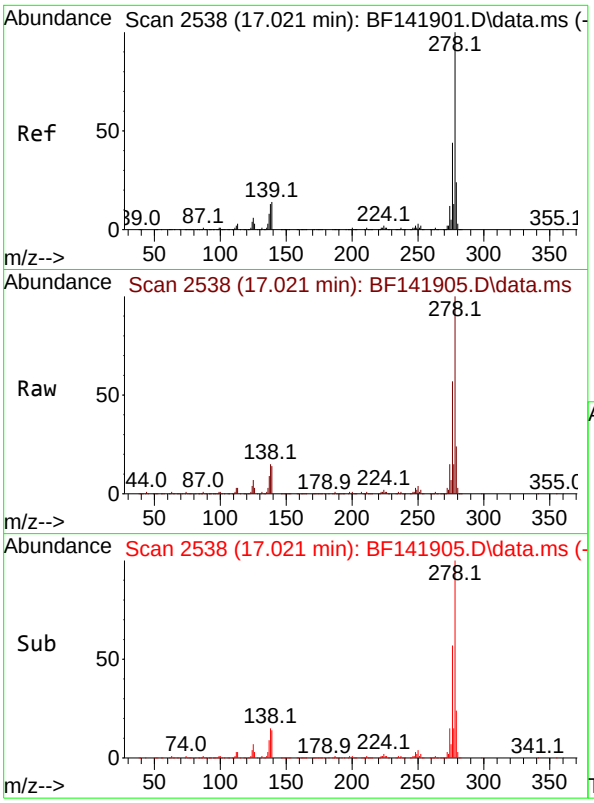


#90
Benzo(a)pyrene
Concen: 50.591 ng
RT: 15.451 min Scan# 2271
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:252 Resp: 1119256

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	9.6	7.8	11.8



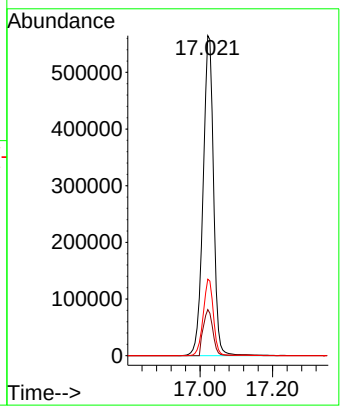


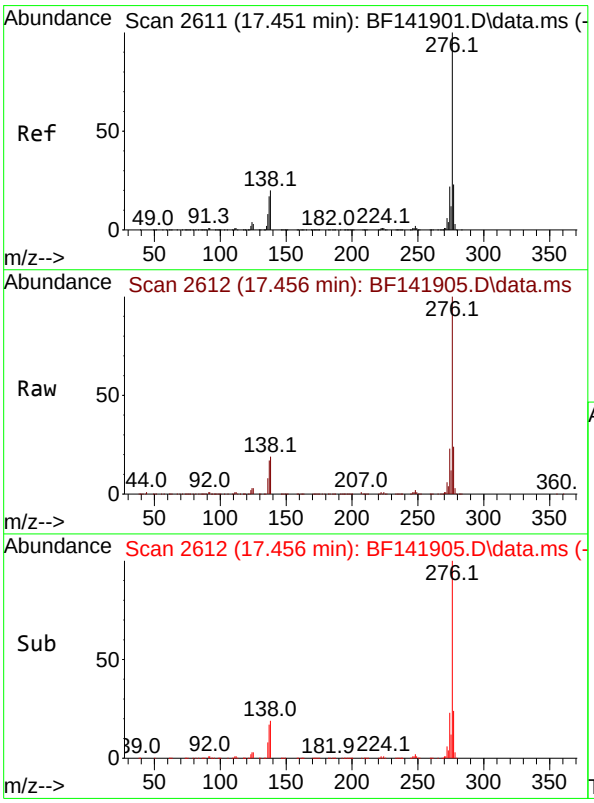
#91
Dibenzo(a,h)anthracene
Concen: 51.149 ng
RT: 17.021 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 1131875

Ion	Ratio	Lower	Upper
278	100		
139	14.4	11.4	17.2
279	23.9	18.8	28.2

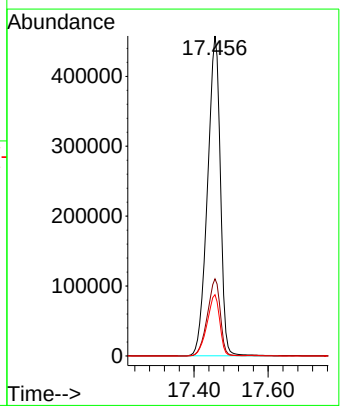




#92
Benzo(g,h,i)perylene
Concen: 50.106 ng
RT: 17.456 min Scan# 2612
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:276 Resp: 1099760

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.7	28.1
138	19.2	15.8	23.8



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	209747	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	840616	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	483165	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	813672	20.000	ng	0.00
76) Chrysene-d12	14.039	240	523890	20.000	ng	0.00
86) Perylene-d12	15.510	264	426422	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	965473	76.823	ng	0.00
7) Phenol-d6	6.504	99	1231487	76.962	ng	0.00
23) Nitrobenzene-d5	7.445	82	1179480	78.962	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	486334	79.342	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2399526	75.528	ng	0.00
79) Terphenyl-d14	12.986	244	2825870	79.748	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.669	88	203628	38.670	ng	99
3) Pyridine	3.428	79	504398	39.050	ng	99
4) n-Nitrosodimethylamine	3.387	42	239879	38.959	ng	97
6) Aniline	6.545	93	614962	38.958	ng	98
8) 2-Chlorophenol	6.669	128	539701	38.721	ng	99
9) Benzaldehyde	6.434	77	339615	37.950	ng	99
10) Phenol	6.516	94	658449	39.115	ng	97
11) bis(2-Chloroethyl)ether	6.616	93	483438	38.246	ng	99
12) 1,3-Dichlorobenzene	6.822	146	577700	38.391	ng	100
13) 1,4-Dichlorobenzene	6.898	146	584132	38.366	ng	99
14) 1,2-Dichlorobenzene	7.051	146	555621	38.744	ng	100
15) Benzyl Alcohol	7.022	79	509792	39.408	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.157	45	569783	37.338	ng	100
17) 2-Methylphenol	7.128	107	429715	38.775	ng	99
18) Hexachloroethane	7.392	117	221507	38.797	ng	100
19) n-Nitroso-di-n-propyla...	7.298	70	391096	38.038	ng	100
20) 3+4-Methylphenols	7.281	107	548208	38.619	ng	99
22) Acetophenone	7.292	105	757917	37.650	ng	98
24) Nitrobenzene	7.463	77	578836	38.980	ng	99
25) Isophorone	7.704	82	1007659	38.163	ng	100
26) 2-Nitrophenol	7.775	139	294657	40.429	ng	96
27) 2,4-Dimethylphenol	7.810	122	385504	38.414	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	628379	37.943	ng	100
29) 2,4-Dichlorophenol	8.016	162	485205	38.952	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	526250	38.336	ng	100
31) Naphthalene	8.187	128	1633401	37.827	ng	100
32) Benzoic acid	7.928	122	373179	42.303	ng	99
33) 4-Chloroaniline	8.228	127	592172	38.847	ng	99
34) Hexachlorobutadiene	8.304	225	347789	38.849	ng	99
35) Caprolactam	8.604	113	141562	37.276	ng	98
36) 4-Chloro-3-methylphenol	8.704	107	535661	38.550	ng	99
37) 2-Methylnaphthalene	8.875	142	1094895	37.935	ng	100
38) 1-Methylnaphthalene	8.975	142	1071850	38.484	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	561804	38.191	ng	99
41) Hexachlorocyclopentadiene	9.028	237	220386	38.281	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	377743	39.292	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	372564	38.263	ng	99
46) 1,1'-Biphenyl	9.339	154	1401736	38.182	ng	100
47) 2-Chloronaphthalene	9.363	162	1042241	38.090	ng	99
48) 2-Nitroaniline	9.457	65	308259	38.908	ng	99
49) Acenaphthylene	9.781	152	1531852	37.725	ng	100
50) Dimethylphthalate	9.639	163	1272572	37.611	ng	100
51) 2,6-Dinitrotoluene	9.698	165	274531	38.970	ng	99
52) Acenaphthene	9.951	154	1095922	38.405	ng	100
53) 3-Nitroaniline	9.869	138	275555	38.561	ng	99
54) 2,4-Dinitrophenol	9.969	184	142831	39.326	ng	95
55) Dibenzofuran	10.122	168	1540381	37.778	ng	100
56) 4-Nitrophenol	10.016	139	212462	39.425	ng	99
57) 2,4-Dinitrotoluene	10.104	165	361518	39.291	ng	99
58) Fluorene	10.469	166	1175392	37.381	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	346168	39.070	ng	99
60) Diethylphthalate	10.339	149	1293401	38.337	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	627404	38.272	ng	99
62) 4-Nitroaniline	10.480	138	270993	38.953	ng	99
63) Azobenzene	10.622	77	1189121	37.911	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	200888	41.415	ng	99
66) n-Nitrosodiphenylamine	10.575	169	1008029	38.283	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	398683	39.015	ng	98
68) Hexachlorobenzene	11.016	284	445938	39.789	ng	96
69) Atrazine	11.098	200	257856	31.945	ng	99
70) Pentachlorophenol	11.204	266	289713	41.955	ng	100
71) Phenanthrene	11.427	178	1685770	38.357	ng	100
72) Anthracene	11.480	178	1675103	37.991	ng	100
73) Carbazole	11.633	167	1451333	38.167	ng	99
74) Di-n-butylphthalate	11.963	149	1953516	38.717	ng	100
75) Fluoranthene	12.616	202	1750317	37.545	ng	100
77) Benzidine	12.733	184	420377	57.513	ng	100
78) Pyrene	12.845	202	1746456	38.539	ng	100
80) Butylbenzylphthalate	13.463	149	723288	40.778	ng	99
81) Benzo(a)anthracene	14.027	228	1347977	39.211	ng	100
82) 3,3'-Dichlorobenzidine	13.992	252	380866	38.337	ng	100
83) Chrysene	14.068	228	1159074	37.195	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	1006170	41.142	ng	99
85) Di-n-octyl phthalate	14.633	149	1394136	40.971	ng	100
87) Indeno(1,2,3-cd)pyrene	17.004	276	1061096	38.467	ng	99
88) Benzo(b)fluoranthene	15.080	252	1166263	39.906	ng	99
89) Benzo(k)fluoranthene	15.110	252	869471	34.765	ng	100
90) Benzo(a)pyrene	15.451	252	882967	38.612	ng	99
91) Dibenzo(a,h)anthracene	17.021	278	886038	38.931	ng	99
92) Benzo(g,h,i)perylene	17.451	276	855812	38.051	ng	99

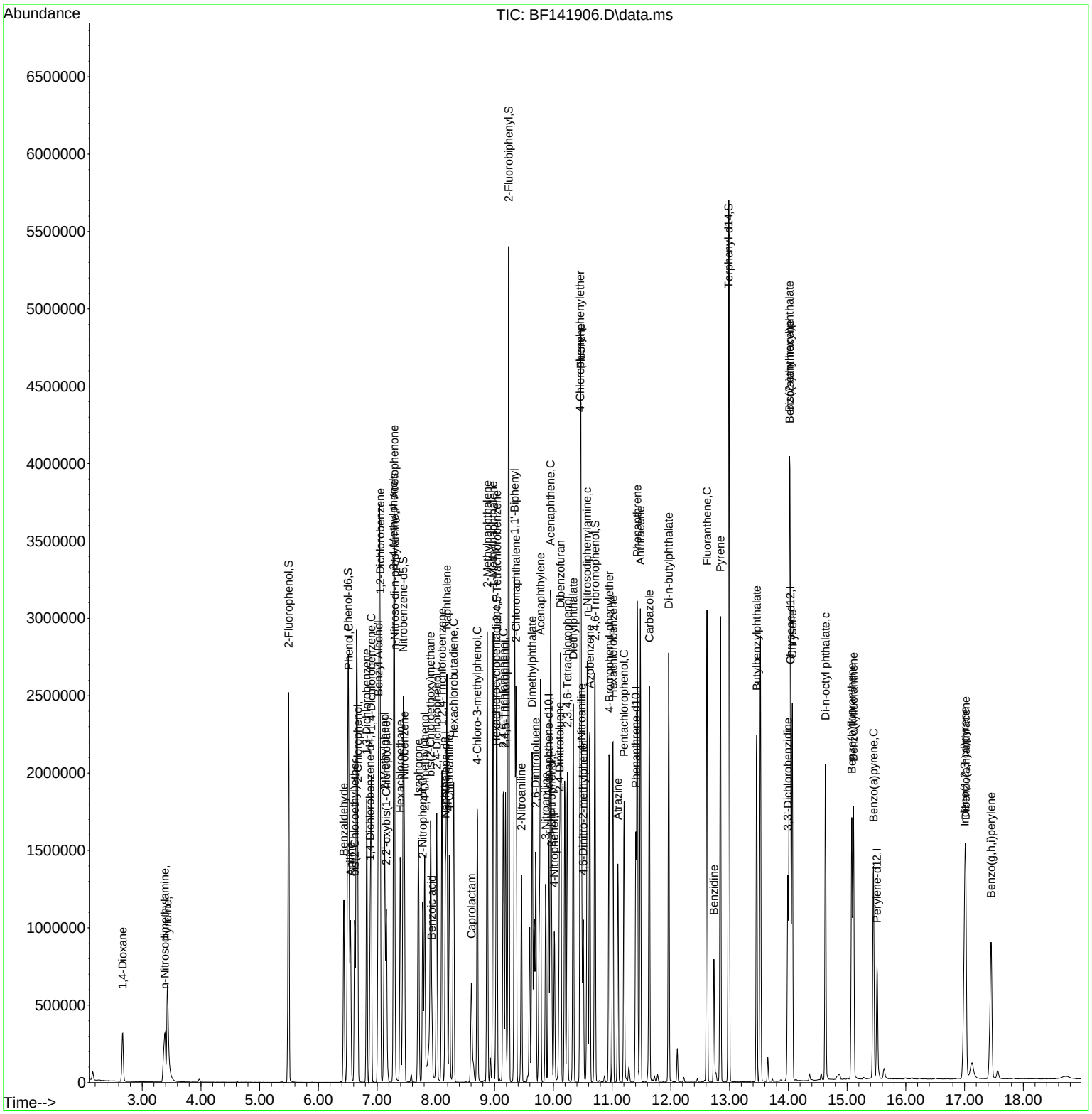
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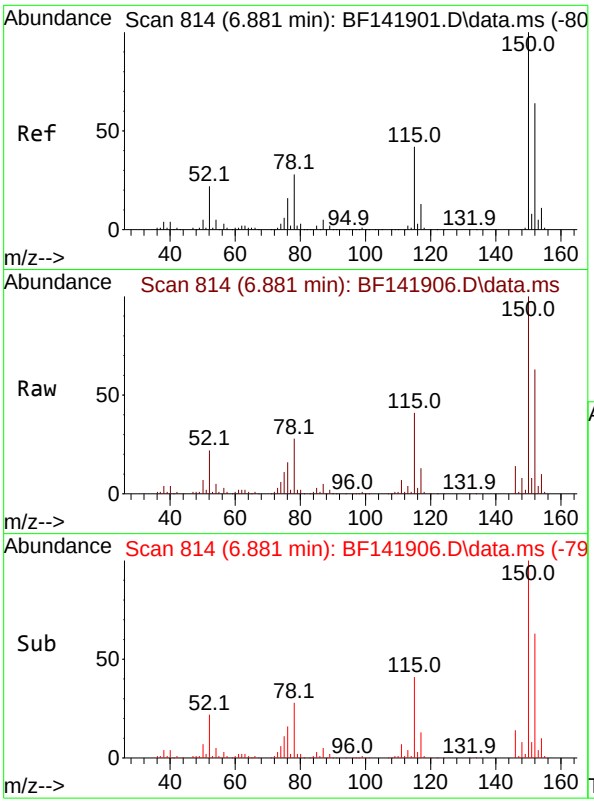
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



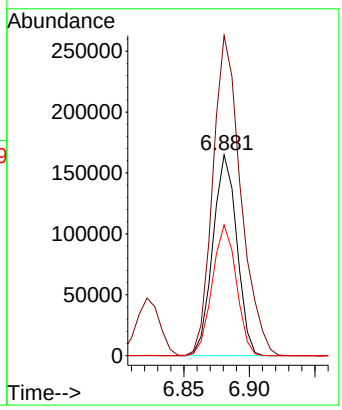


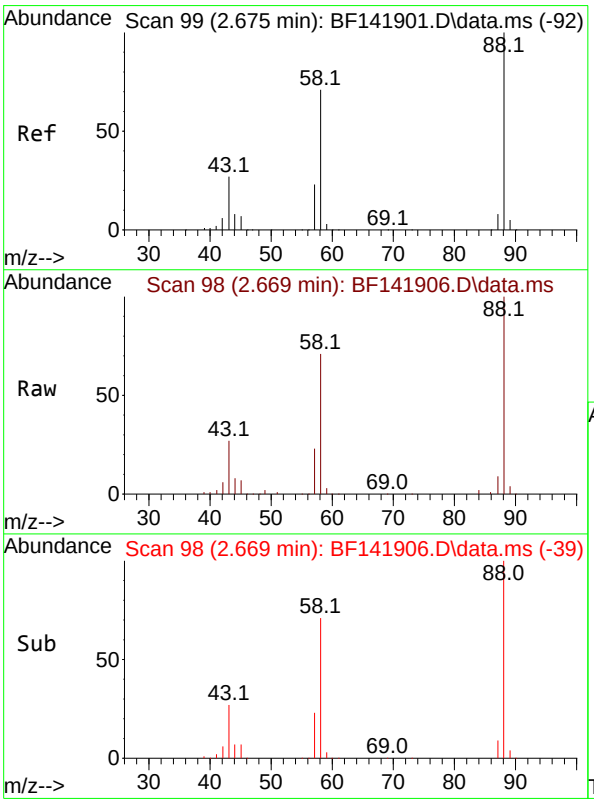
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:152 Resp: 209747

Ion	Ratio	Lower	Upper
152	100		
150	159.4	127.4	191.2
115	65.1	51.9	77.9

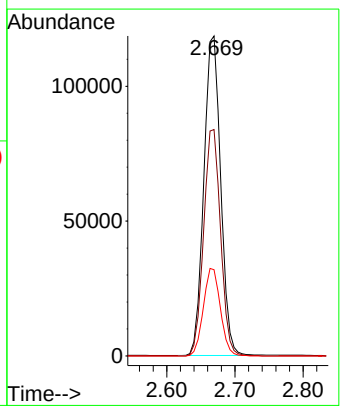


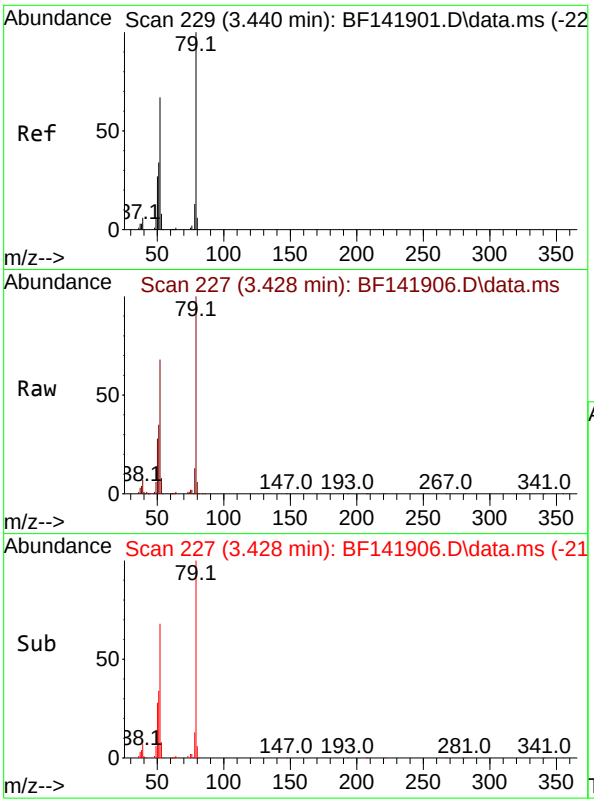


#2
1,4-Dioxane
Concen: 38.670 ng
RT: 2.669 min Scan# 98
Delta R.T. -0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 88 Resp: 203628

Ion	Ratio	Lower	Upper
88	100		
58	71.2	57.4	86.2
43	27.6	21.5	32.3



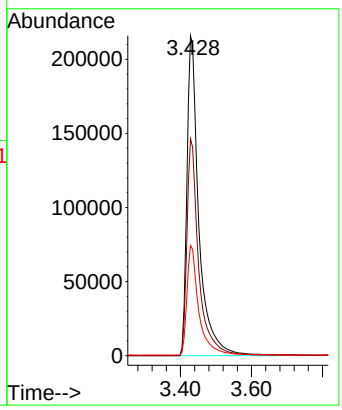


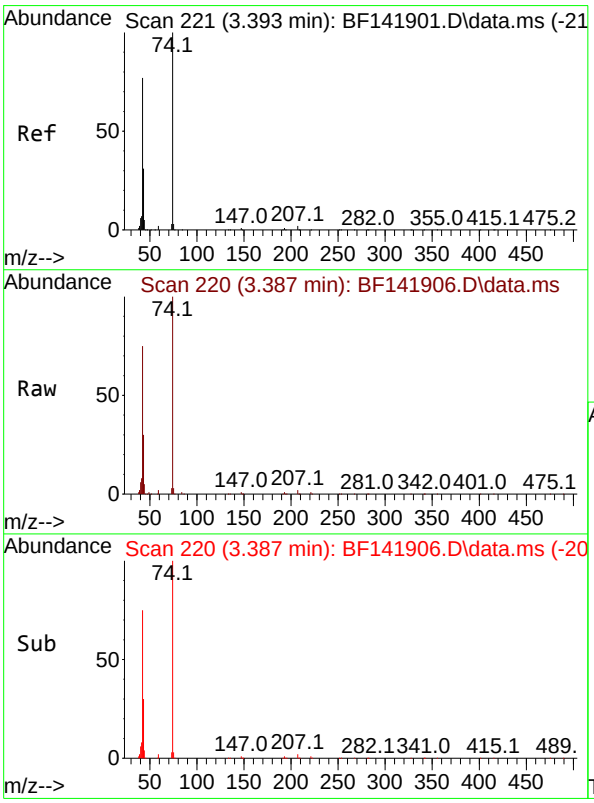
#3
Pyridine
Concen: 39.050 ng
RT: 3.428 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion: 79 Resp: 504398

Ion	Ratio	Lower	Upper
79	100		
52	67.8	53.3	79.9
51	34.5	27.6	41.4

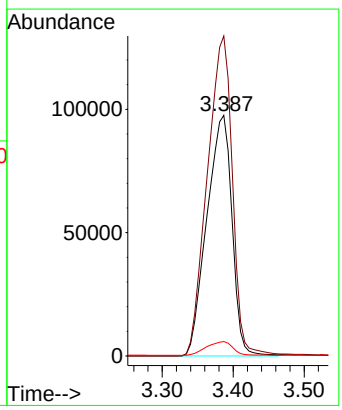


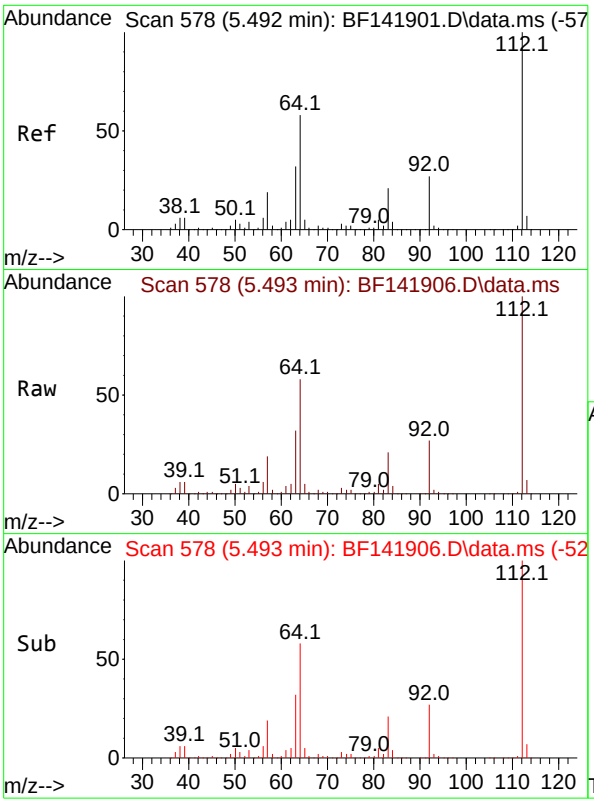


#4
n-Nitrosodimethylamine
Concen: 38.959 ng
RT: 3.387 min Scan# 220
Delta R.T. -0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 42 Resp: 239879

Ion	Ratio	Lower	Upper
42	100		
74	133.0	103.4	155.0
44	6.0	5.0	7.4



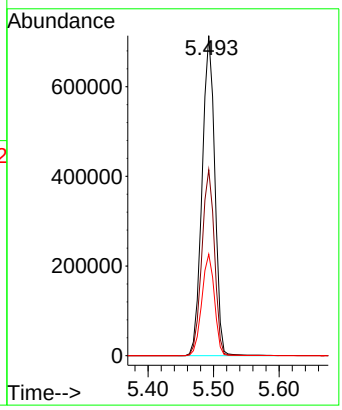


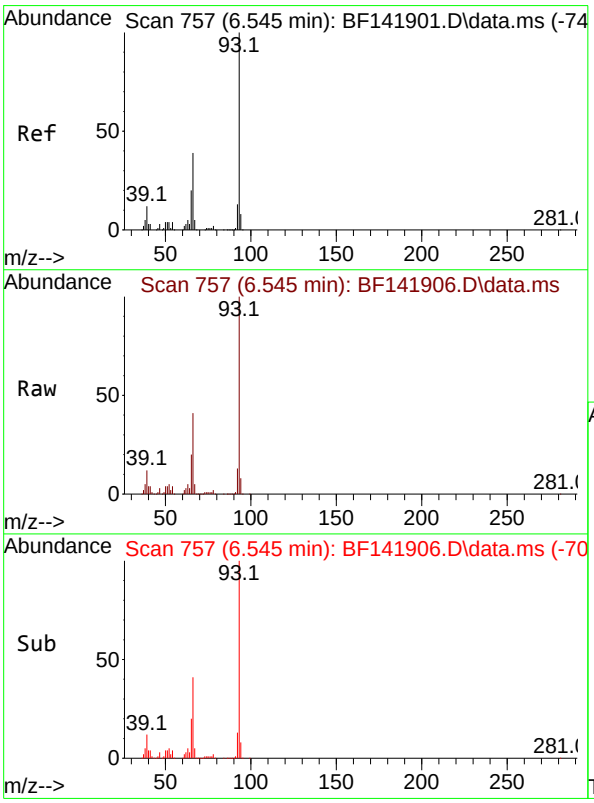
#5
2-Fluorophenol
Concen: 76.823 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:112 Resp: 965473

Ion	Ratio	Lower	Upper
112	100		
64	58.1	46.5	69.7
63	31.7	25.4	38.2

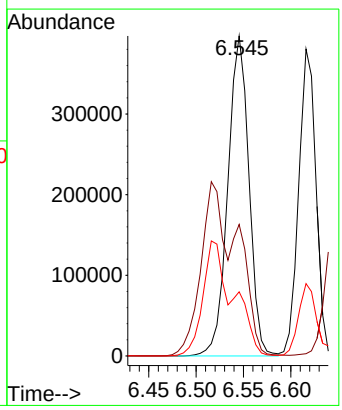


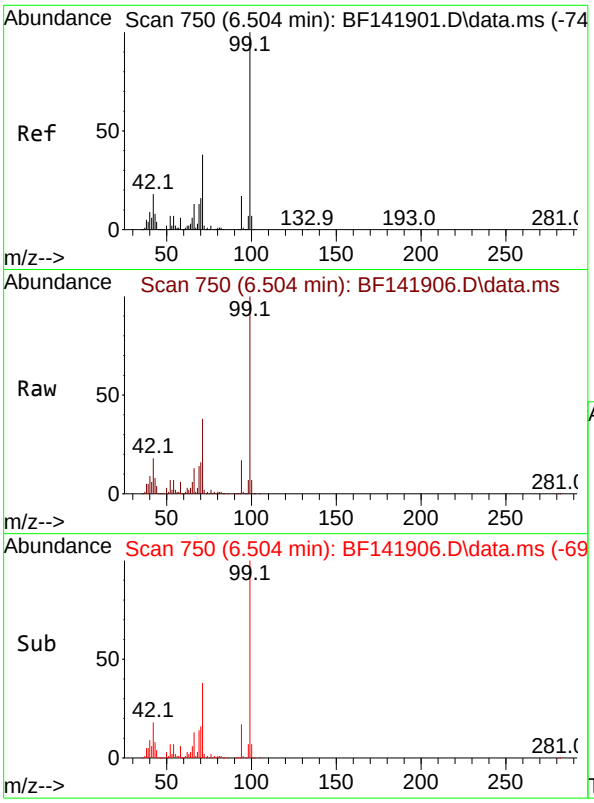


#6
Aniline
Concen: 38.958 ng
RT: 6.545 min Scan# 757
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 93 Resp: 614962

Ion	Ratio	Lower	Upper
93	100		
66	41.1	31.9	47.9
65	20.0	15.8	23.6



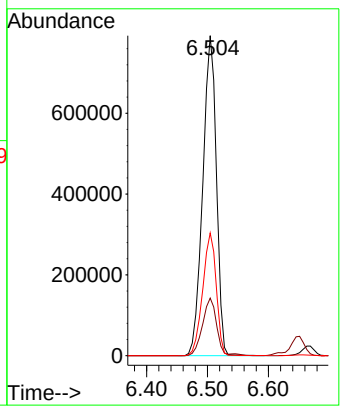


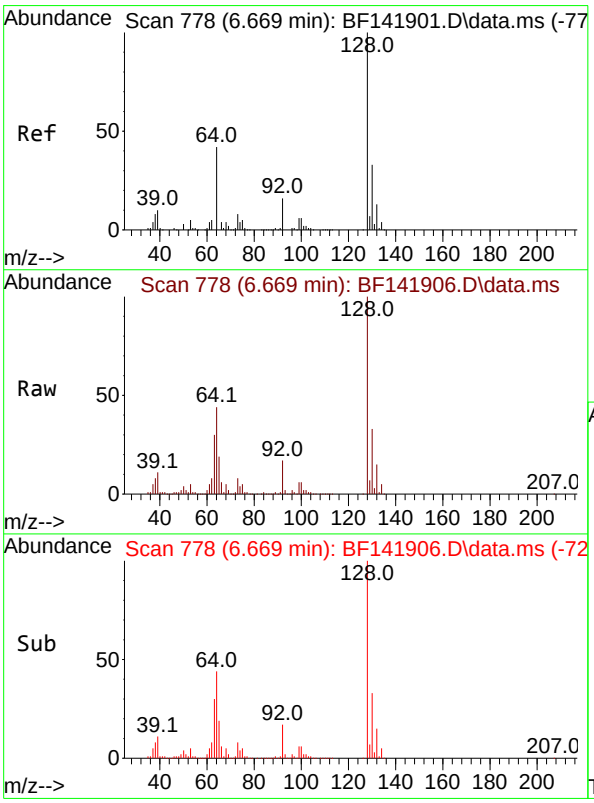
#7
Phenol-d6
Concen: 76.962 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion: 99 Resp: 1231487

Ion	Ratio	Lower	Upper
99	100		
42	18.0	14.6	21.8
71	38.3	30.8	46.2

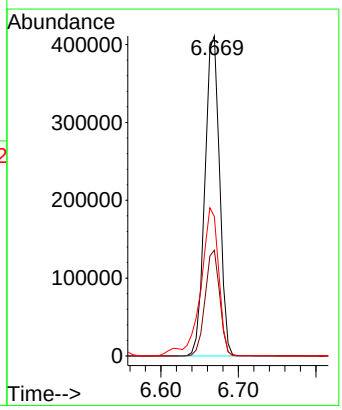


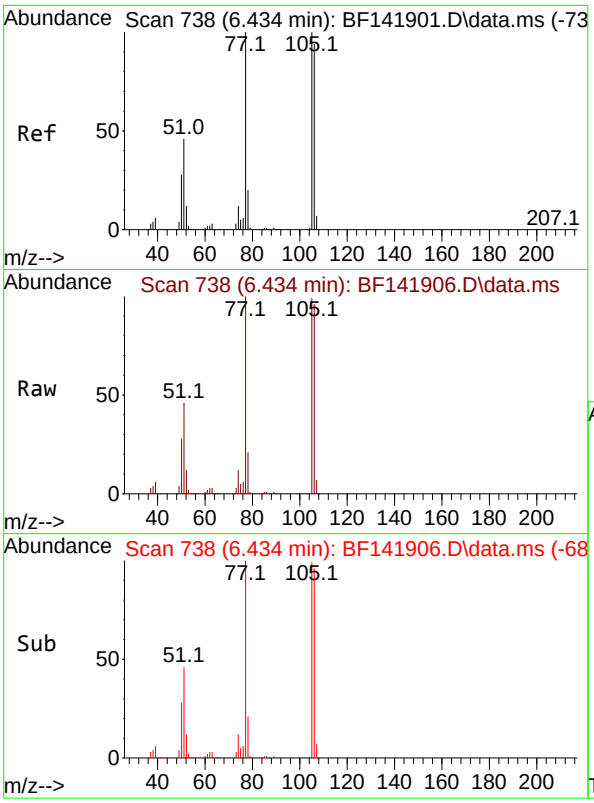


#8
2-Chlorophenol
Concen: 38.721 ng
RT: 6.669 min Scan# 778
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:128 Resp: 539701

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.8	52.8
64	43.6	24.4	64.4



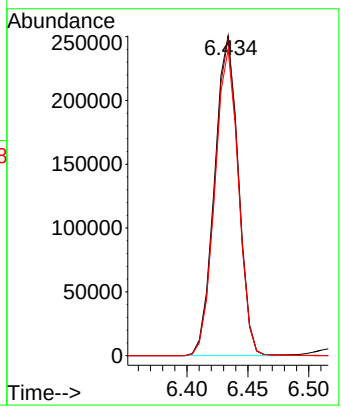


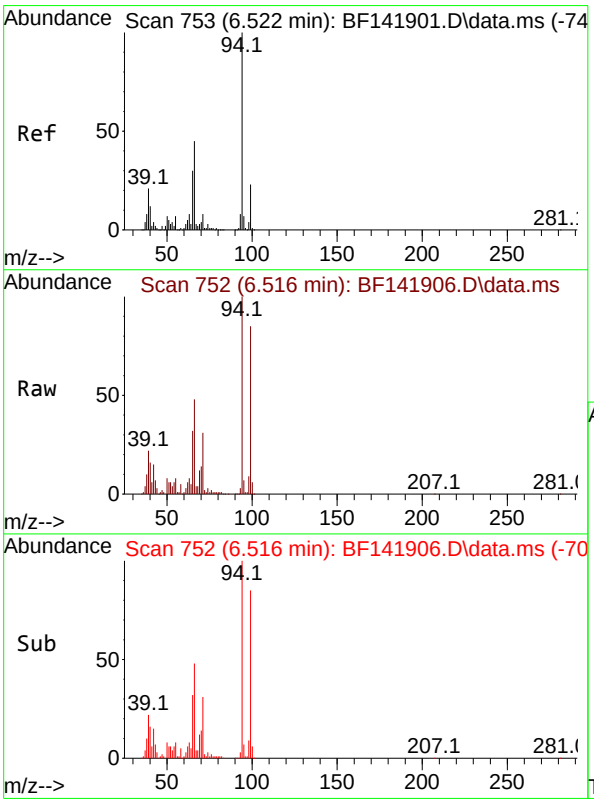
#9
Benzaldehyde
Concen: 37.950 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion: 77 Resp: 339615

Ion	Ratio	Lower	Upper
77	100		
105	99.2	80.0	120.0
106	95.7	74.5	114.5

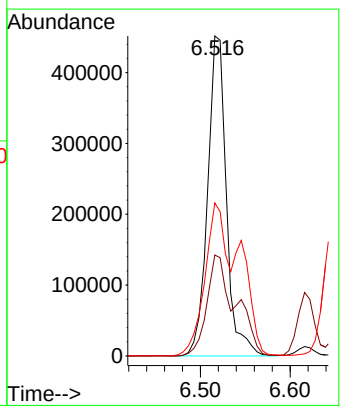


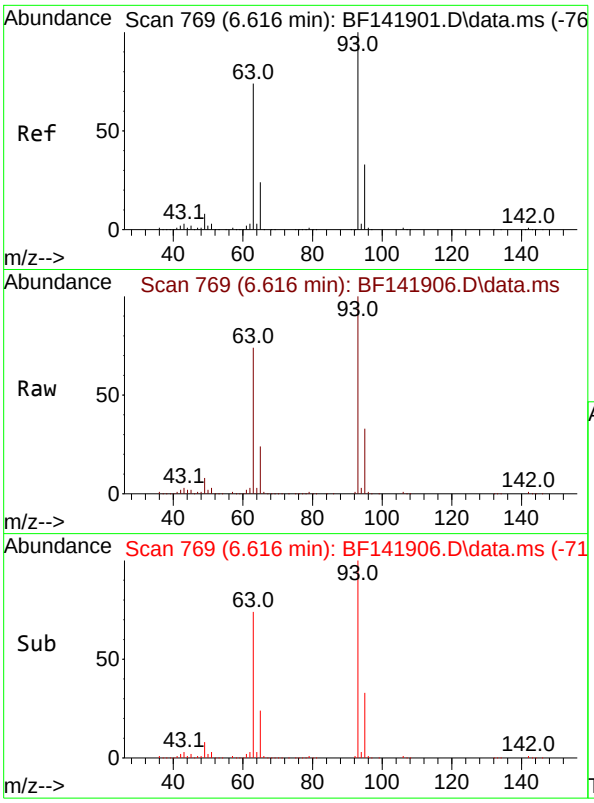


#10
Phenol
Concen: 39.115 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 94 Resp: 658449

Ion	Ratio	Lower	Upper
94	100		
65	31.6	10.5	50.5
66	47.8	25.8	65.8



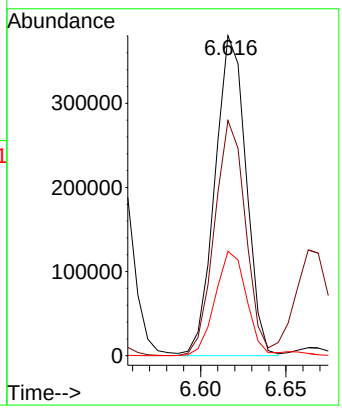


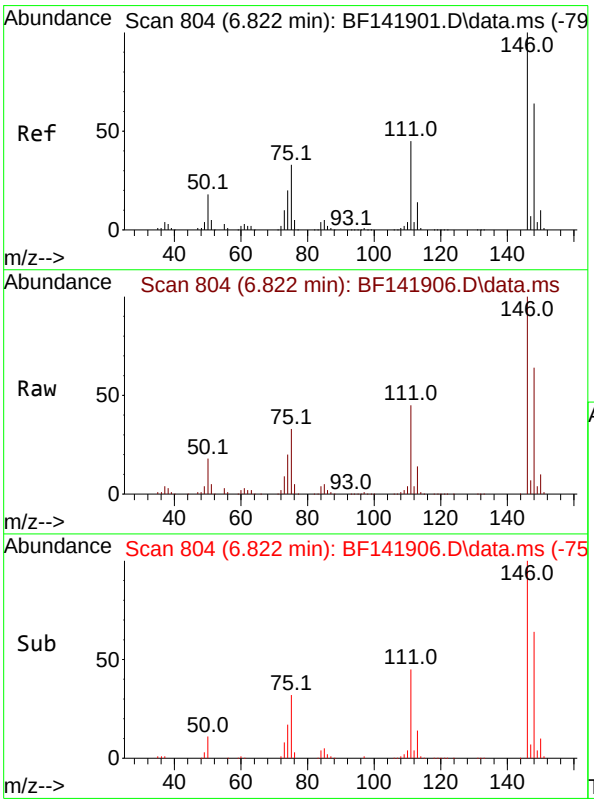
#11
bis(2-Chloroethyl)ether
Concen: 38.246 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion: 93 Resp: 483438

Ion	Ratio	Lower	Upper
93	100		
63	73.5	53.0	93.0
95	32.6	12.9	52.9

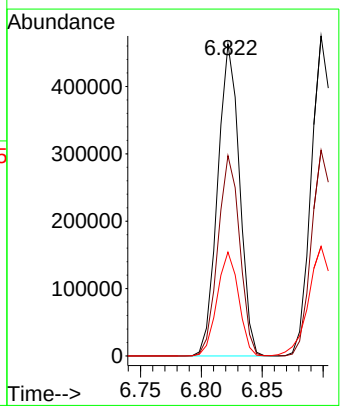


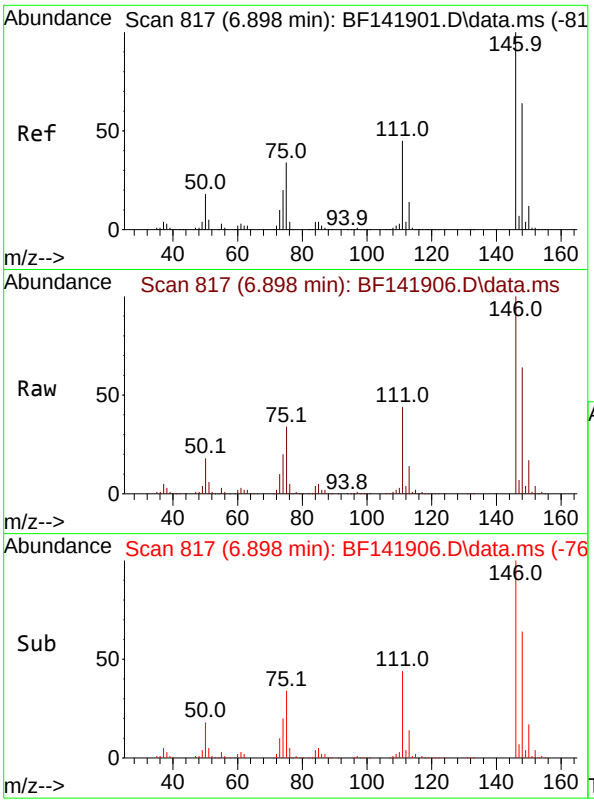


#12
1,3-Dichlorobenzene
Concen: 38.391 ng
RT: 6.822 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:146 Resp: 577700

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.3	76.9
75	33.3	26.6	40.0



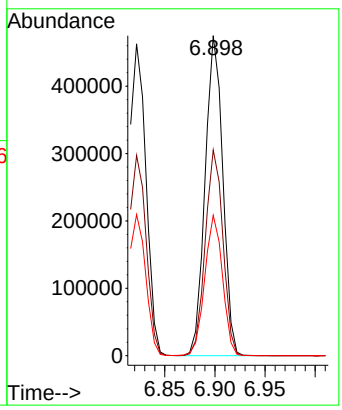


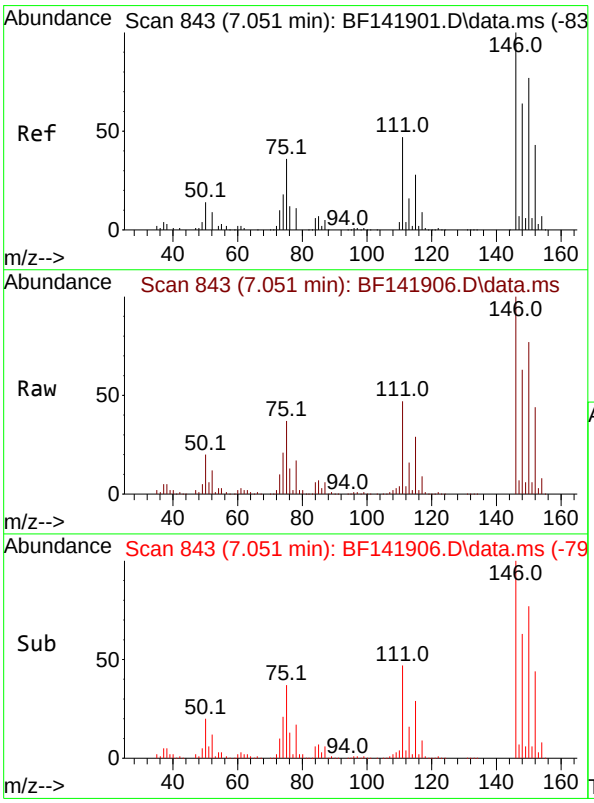
#13
1,4-Dichlorobenzene
Concen: 38.366 ng
RT: 6.898 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:146 Resp: 584132

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.0	76.6
111	43.8	35.7	53.5

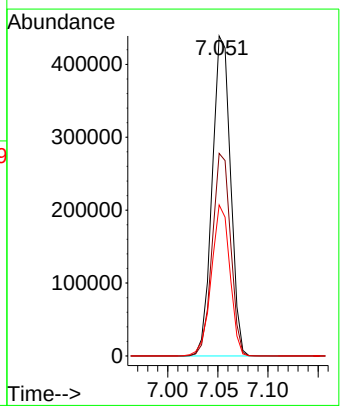


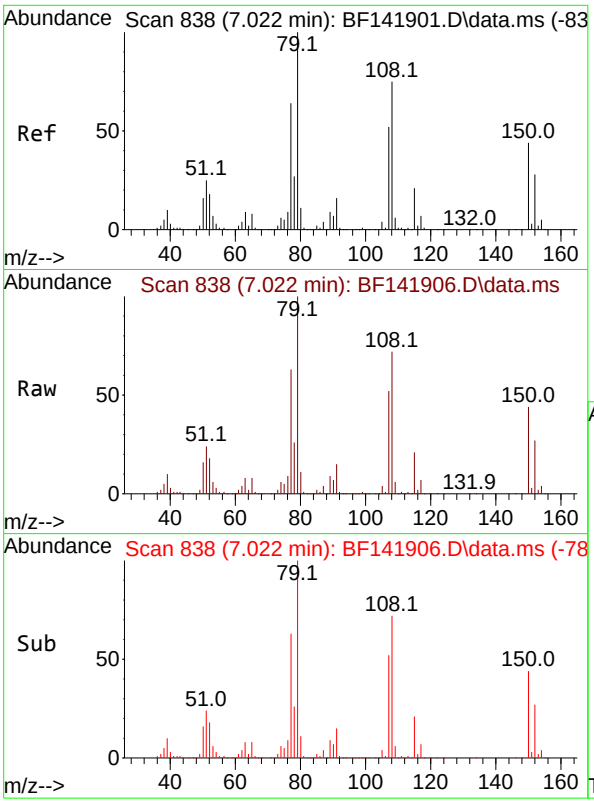


#14
1,2-Dichlorobenzene
Concen: 38.744 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:146 Resp: 555621

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.8	76.2
111	47.2	38.0	57.0



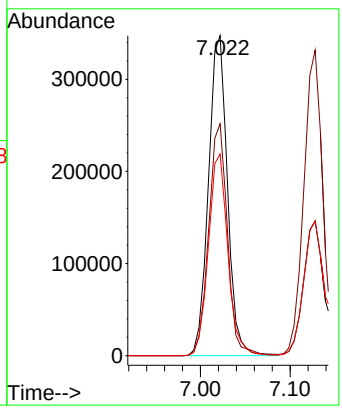


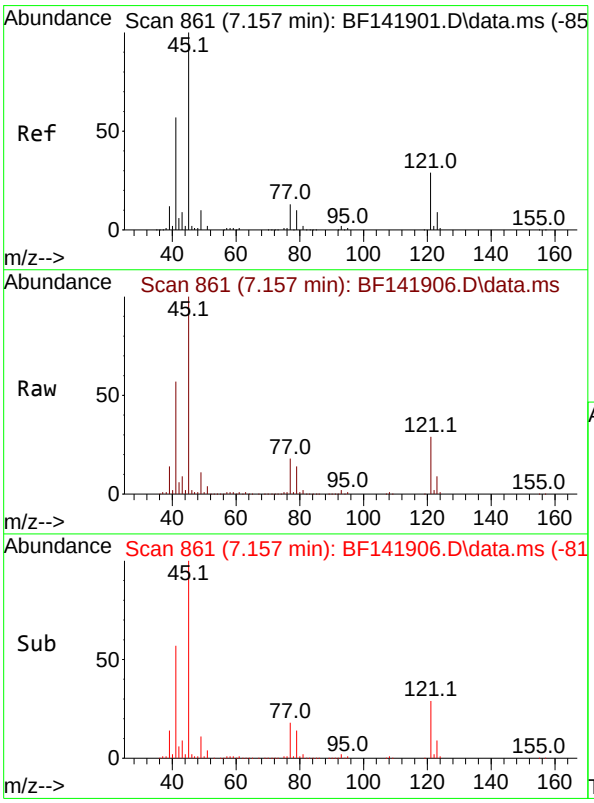
#15
Benzyl Alcohol
Concen: 39.408 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion: 79 Resp: 509792

Ion	Ratio	Lower	Upper
79	100		
108	72.4	59.7	89.5
77	63.0	51.0	76.6

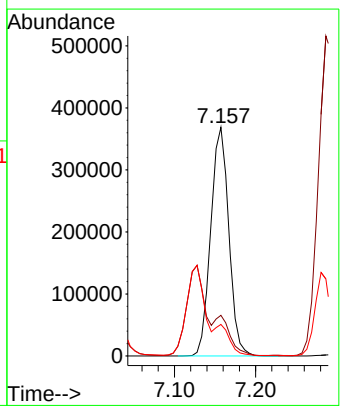


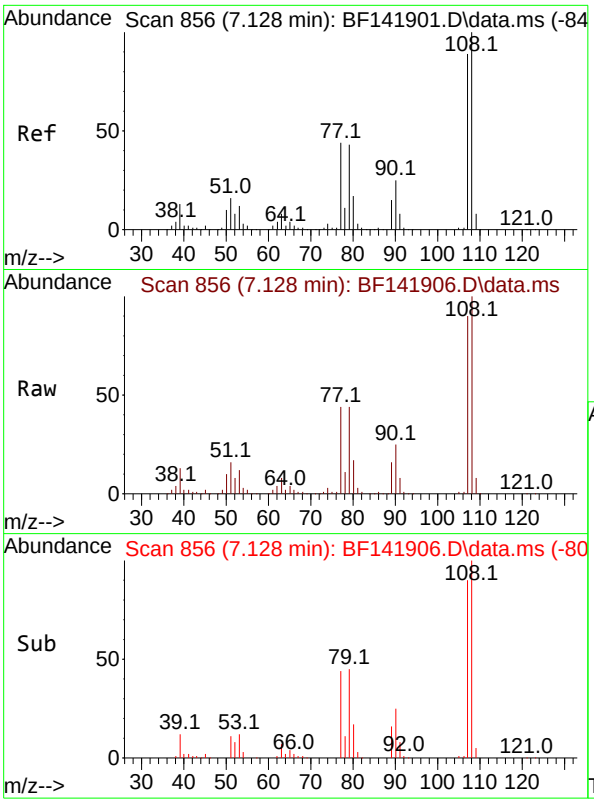


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.338 ng
RT: 7.157 min Scan# 861
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 45 Resp: 569783

Ion	Ratio	Lower	Upper
45	100		
77	17.8	0.0	37.8
79	13.8	0.0	34.2



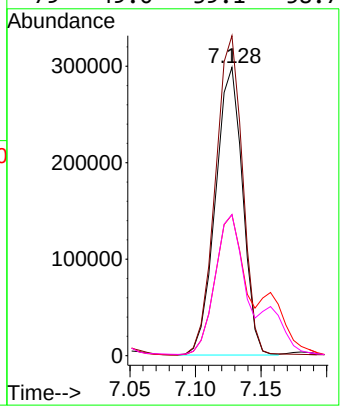


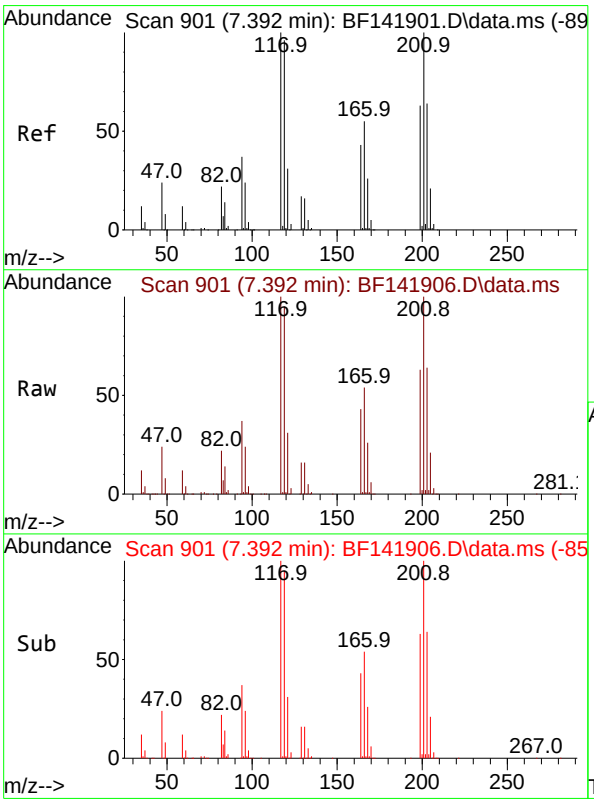
#17
2-Methylphenol
Concen: 38.775 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:107 Resp: 429715

Ion	Ratio	Lower	Upper
107	100		
108	111.0	90.2	135.2
77	48.9	39.6	59.4
79	49.0	39.1	58.7

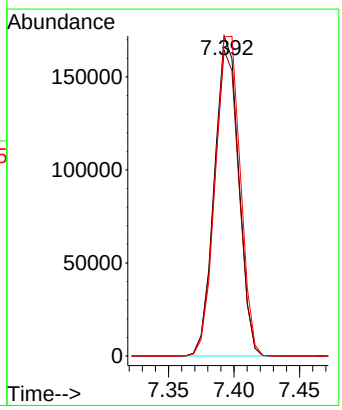


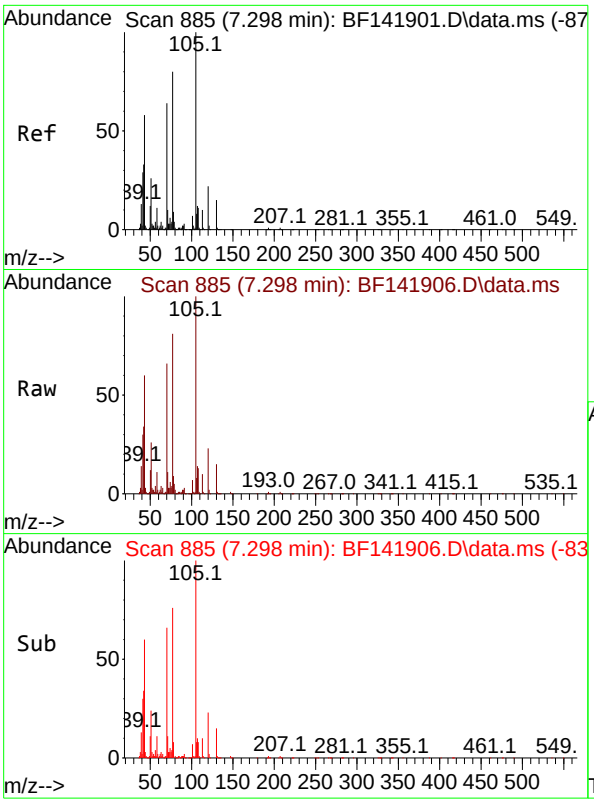


#18
Hexachloroethane
Concen: 38.797 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:117 Resp: 221507

Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.9	115.3
201	99.7	79.9	119.9



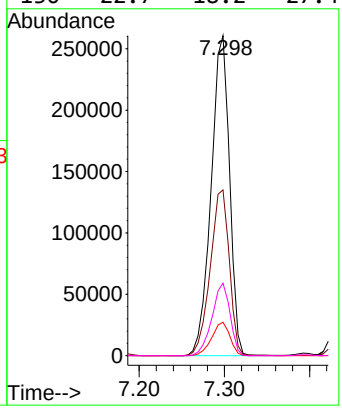


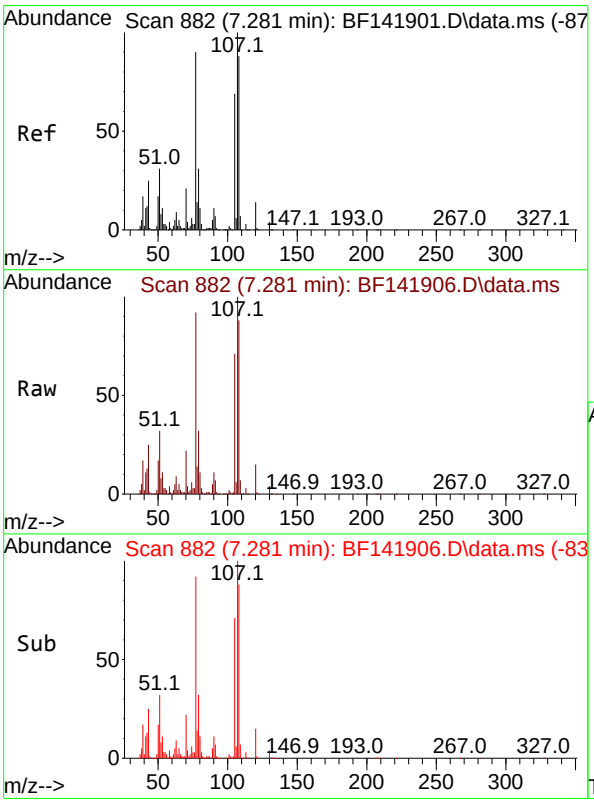
#19
n-Nitroso-di-n-propylamine
Concen: 38.038 ng
RT: 7.298 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion: 70 Resp: 391096

Ion	Ratio	Lower	Upper
70	100		
42	51.8	41.4	62.0
101	10.5	8.2	12.2
130	22.7	18.2	27.4

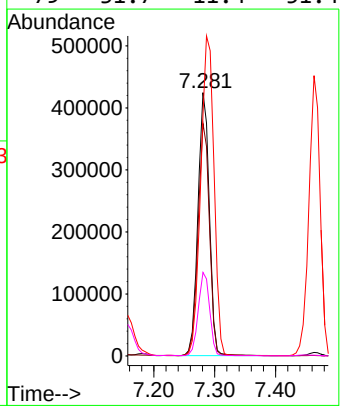


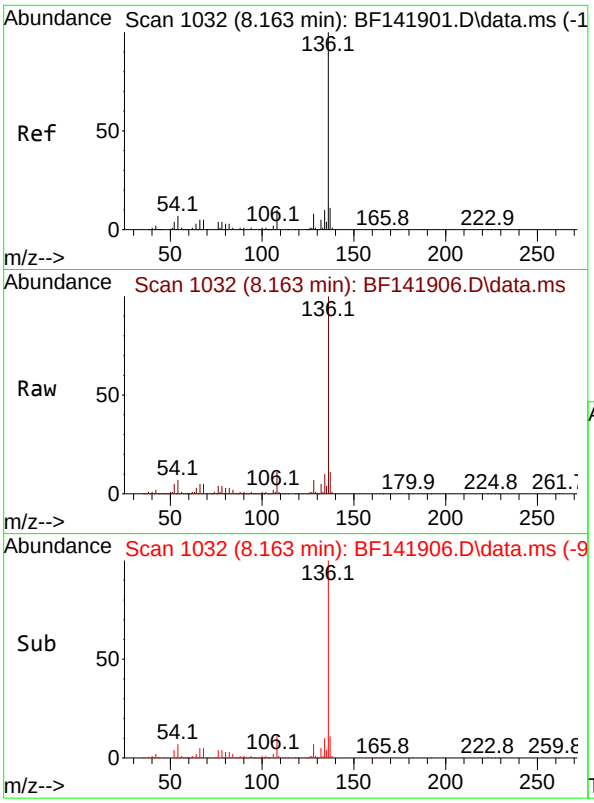


#20
3+4-Methylphenols
Concen: 38.619 ng
RT: 7.281 min Scan# 882
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:107 Resp: 548208

Ion	Ratio	Lower	Upper
107	100		
108	88.3	68.4	108.4
77	91.7	69.7	109.7
79	31.7	11.4	51.4



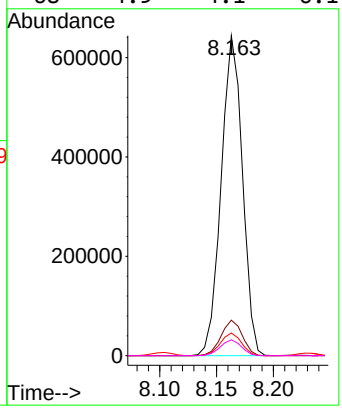


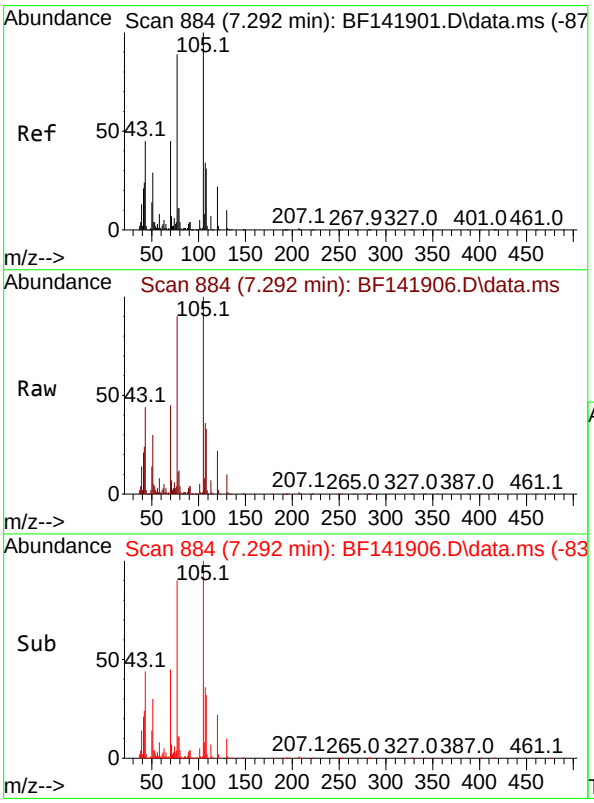
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:136 Resp: 840616

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.1	5.8	8.8
68	4.9	4.1	6.1

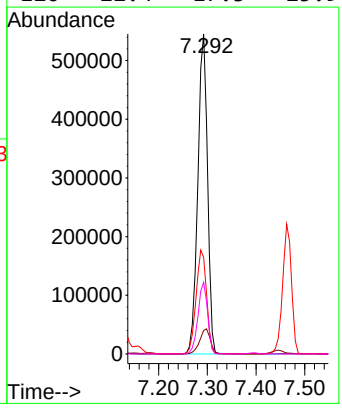


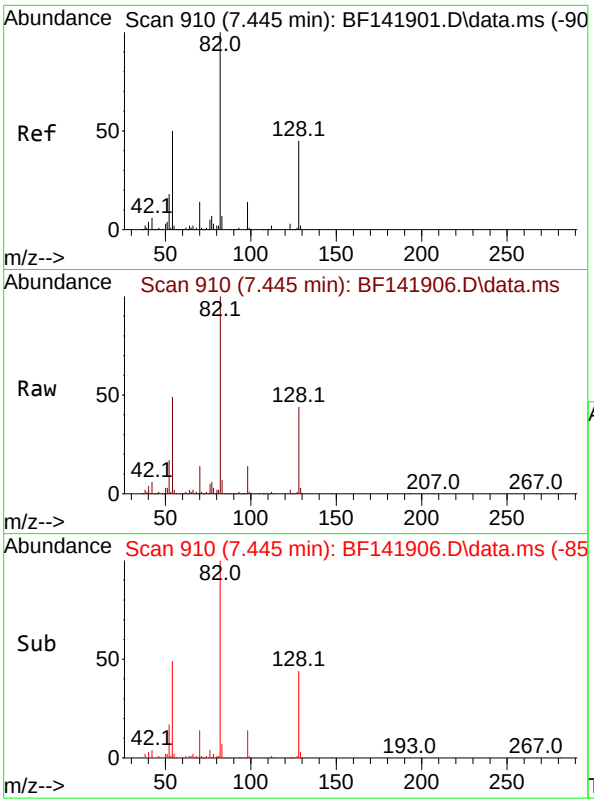


#22
Acetophenone
Concen: 37.650 ng
RT: 7.292 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:105 Resp: 757917

Ion	Ratio	Lower	Upper
105	100		
71	7.4	5.8	8.8
51	30.2	23.4	35.0
120	22.4	17.3	25.9



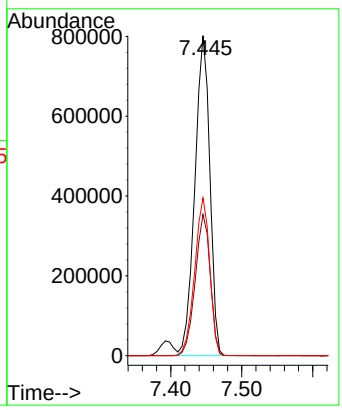


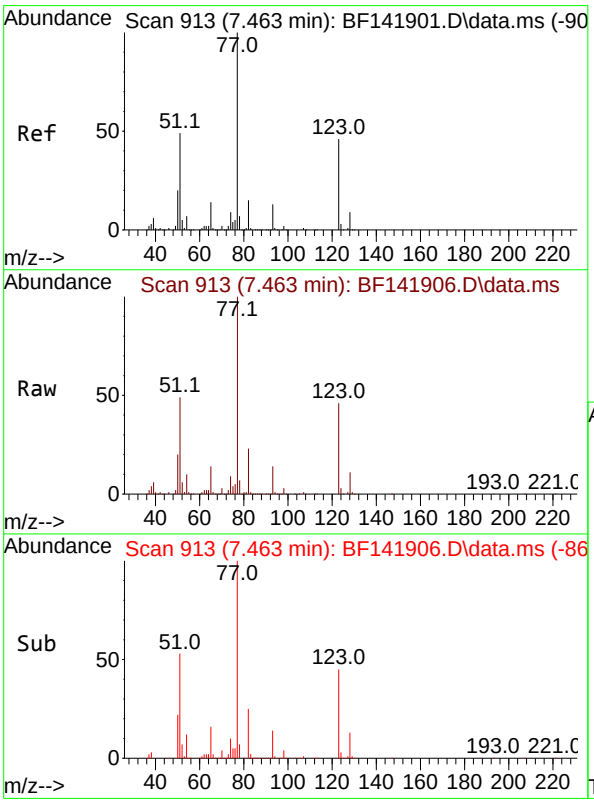
#23
Nitrobenzene-d5
Concen: 78.962 ng
RT: 7.445 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion: 82 Resp: 1179480

Ion	Ratio	Lower	Upper
82	100		
128	44.1	36.0	54.0
54	49.3	39.6	59.4

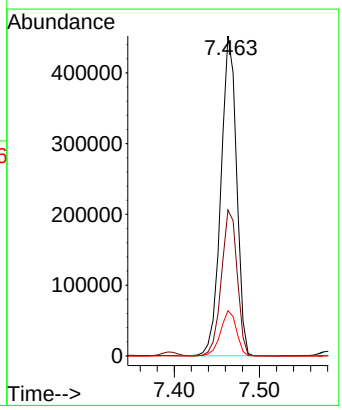


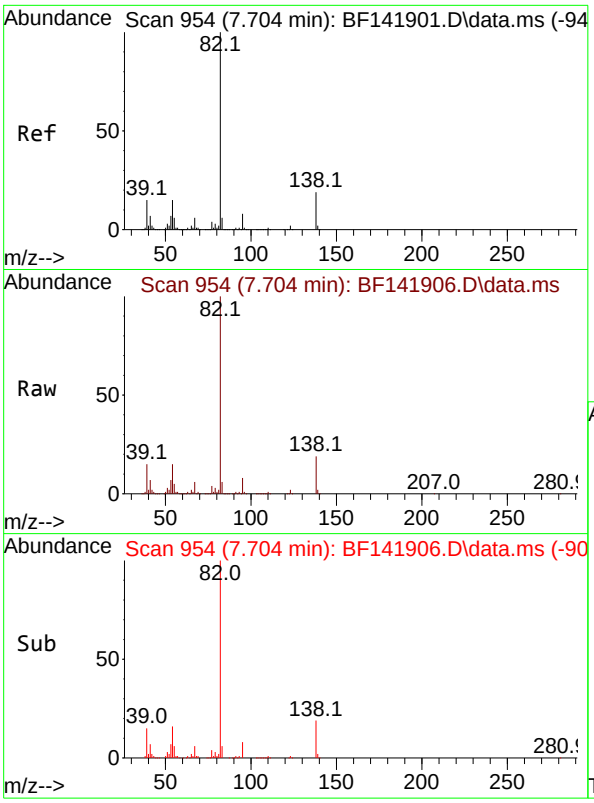


#24
Nitrobenzene
Concen: 38.980 ng
RT: 7.463 min Scan# 913
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 77 Resp: 578836

Ion	Ratio	Lower	Upper
77	100		
123	45.6	37.0	55.4
65	14.2	11.3	16.9



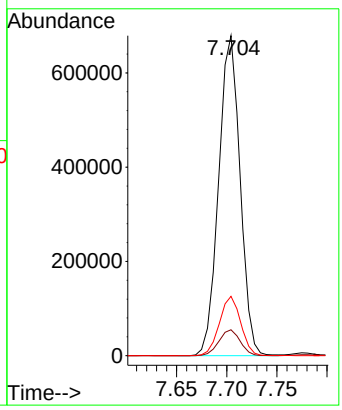


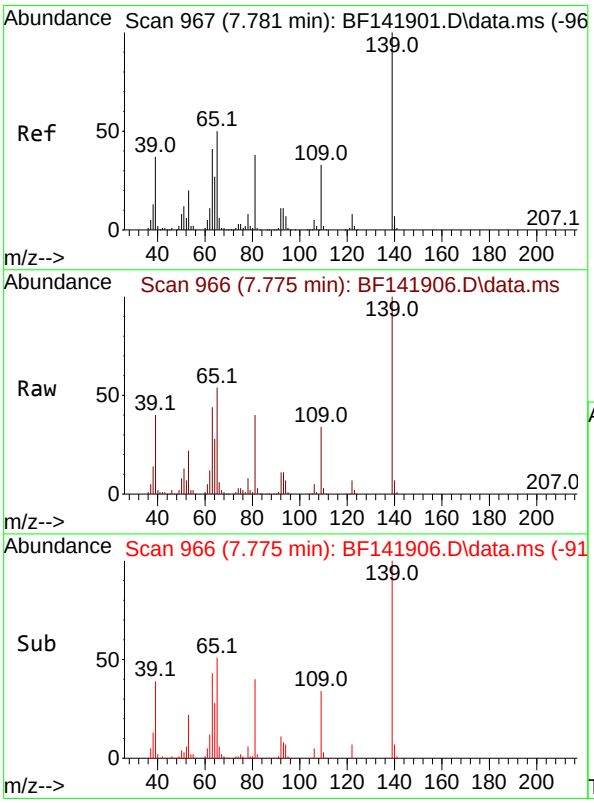
#25
Isophorone
Concen: 38.163 ng
RT: 7.704 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion: 82 Resp: 1007659

Ion	Ratio	Lower	Upper
82	100		
95	8.1	6.4	9.6
138	18.6	14.9	22.3

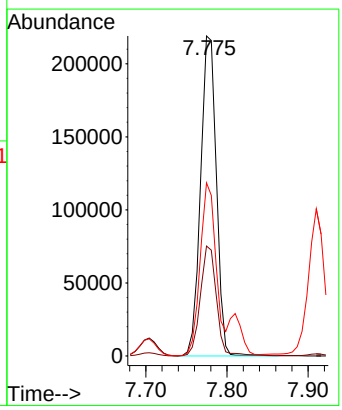


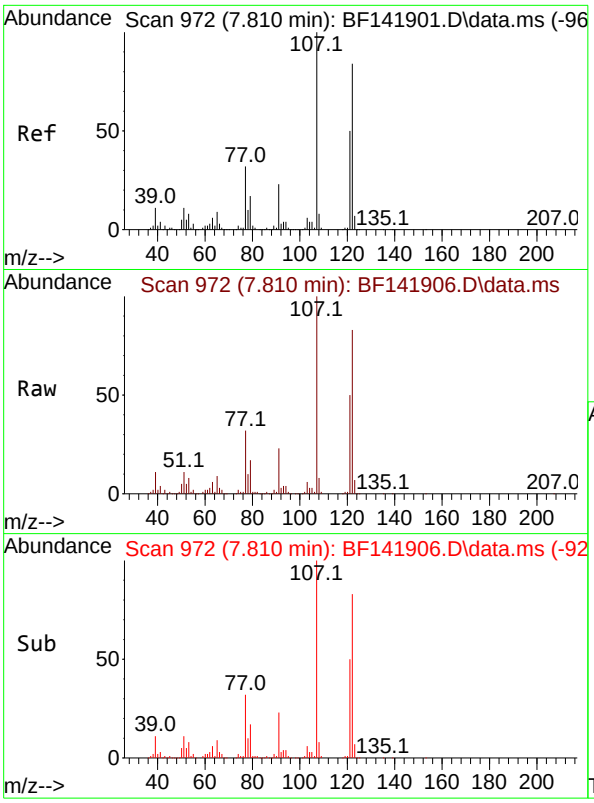


#26
2-Nitrophenol
Concen: 40.429 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:139 Resp: 294657

Ion	Ratio	Lower	Upper
139	100		
109	34.3	26.5	39.7
65	54.1	40.3	60.5



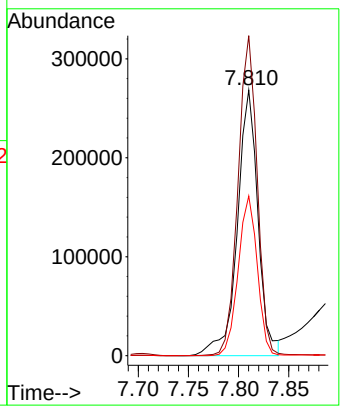


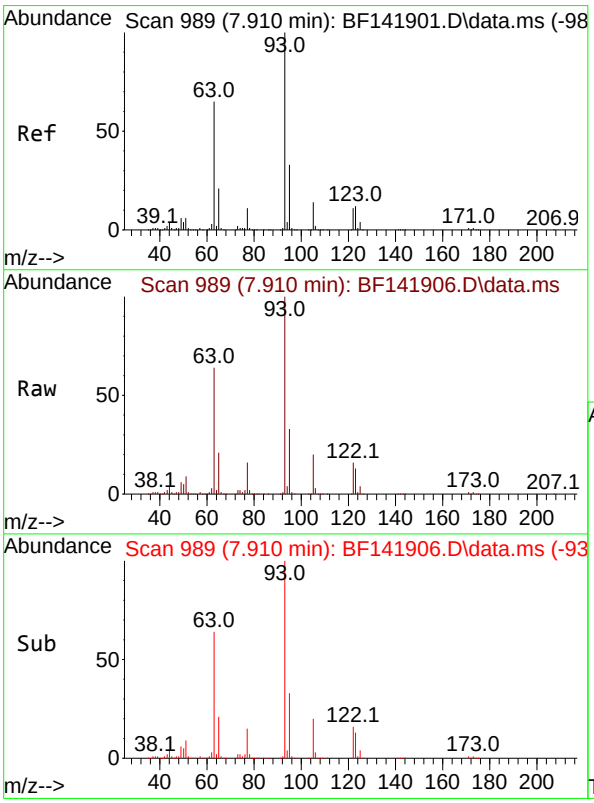
#27
2,4-Dimethylphenol
Concen: 38.414 ng
RT: 7.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:122 Resp: 385504

Ion	Ratio	Lower	Upper
122	100		
107	120.5	94.8	142.2
121	60.1	47.8	71.6

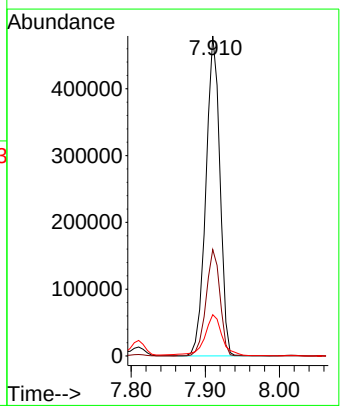


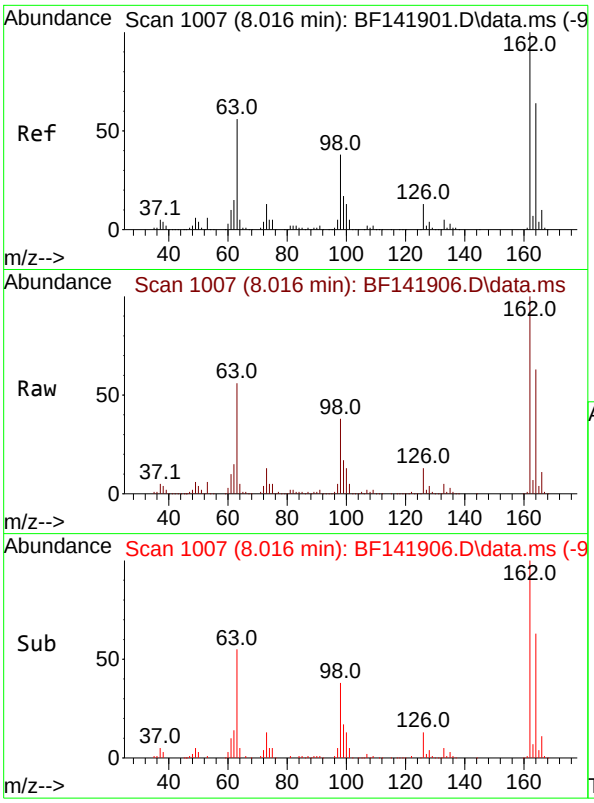


#28
bis(2-Chloroethoxy)methane
Concen: 37.943 ng
RT: 7.910 min Scan# 989
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 93 Resp: 628379

Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.6	40.0
123	12.9	10.2	15.4



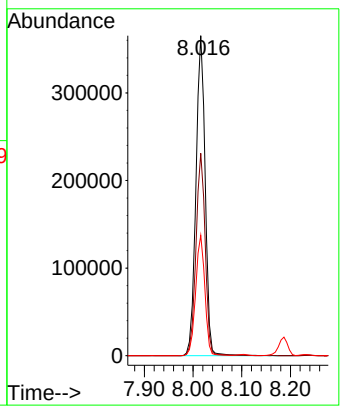


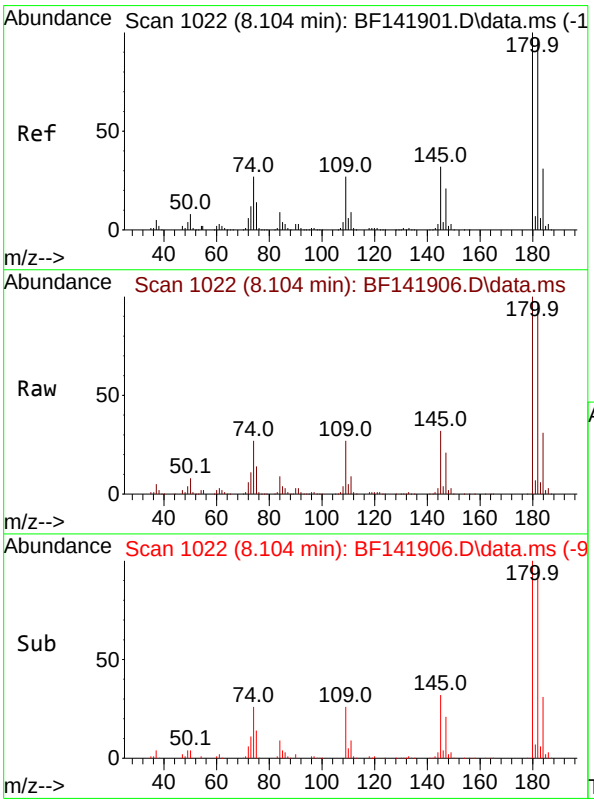
#29
2,4-Dichlorophenol
Concen: 38.952 ng
RT: 8.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:162 Resp: 485205

Ion	Ratio	Lower	Upper
162	100		
164	63.3	43.8	83.8
98	37.6	18.1	58.1

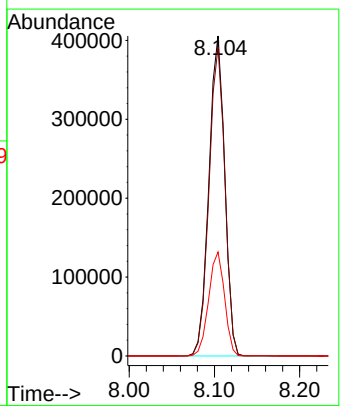


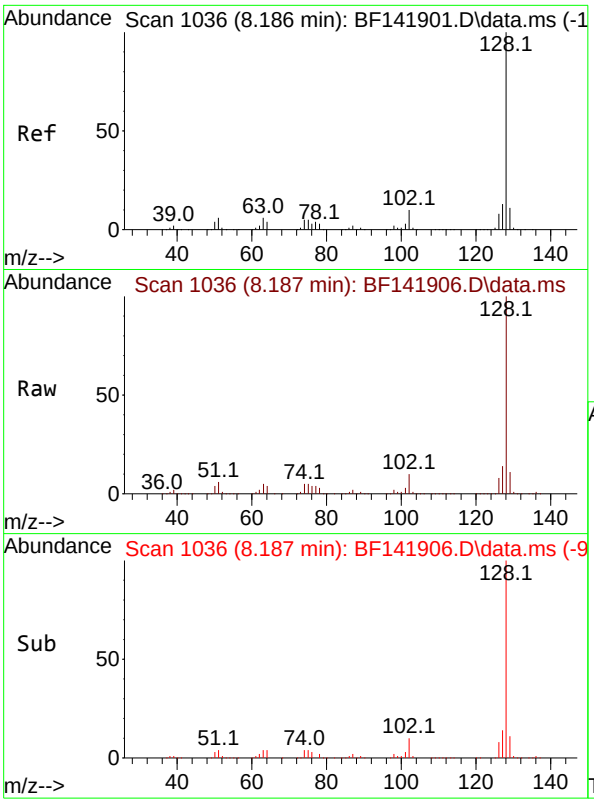


#30
1,2,4-Trichlorobenzene
Concen: 38.336 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:180 Resp: 526250

Ion	Ratio	Lower	Upper
180	100		
182	96.7	77.5	116.3
145	32.5	25.8	38.6



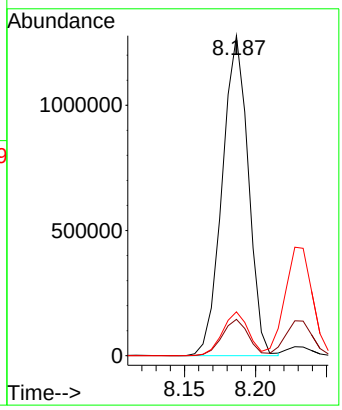


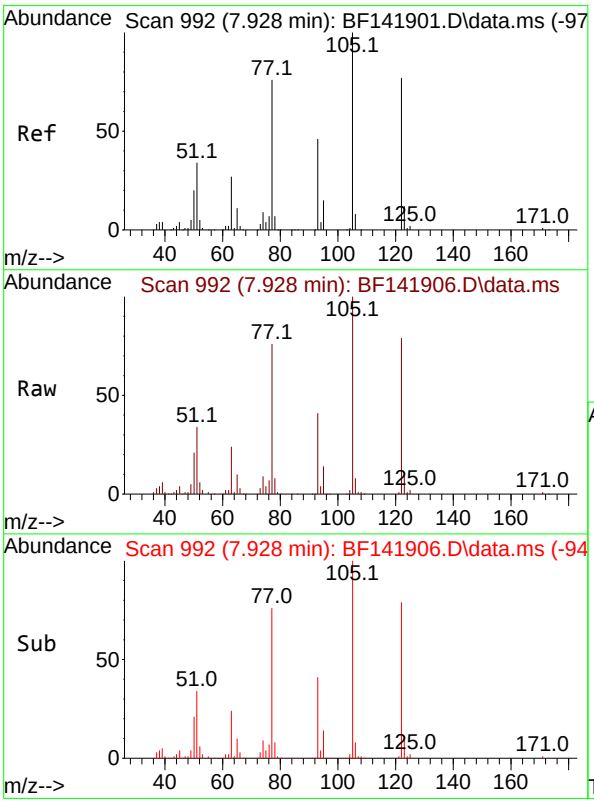
#31
Naphthalene
Concen: 37.827 ng
RT: 8.187 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:128 Resp: 1633401

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.6
127	13.7	10.8	16.2

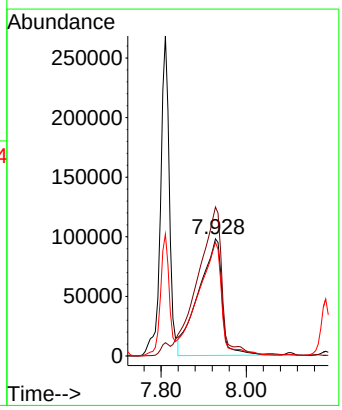


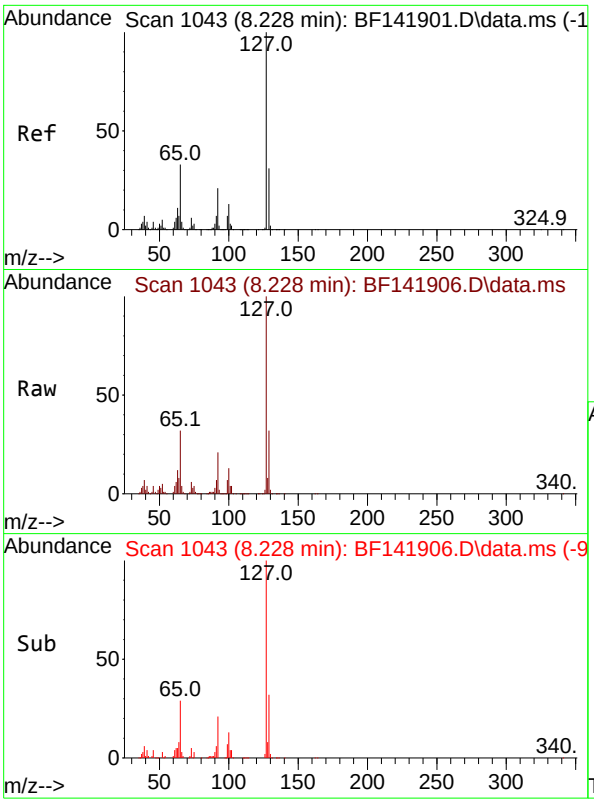


#32
Benzoic acid
Concen: 42.303 ng
RT: 7.928 min Scan# 992
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:122 Resp: 373179

Ion	Ratio	Lower	Upper
122	100		
105	127.1	107.9	147.9
77	97.0	79.0	119.0



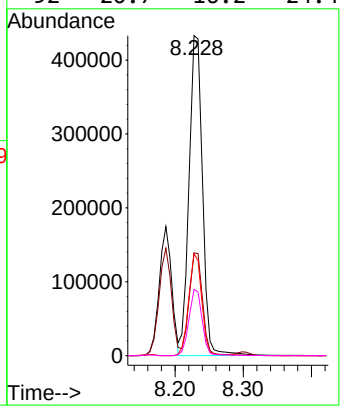


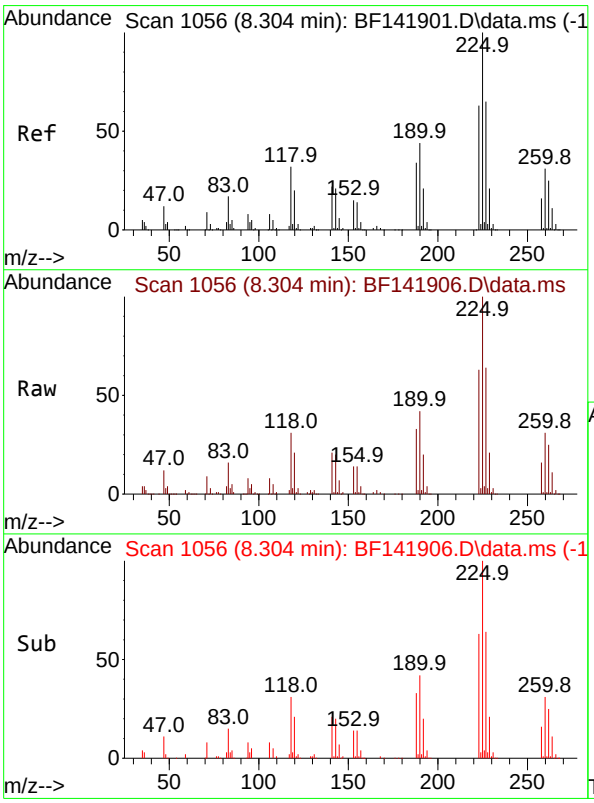
#33
4-Chloroaniline
Concen: 38.847 ng
RT: 8.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:127 Resp: 592172

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.2	39.4
65	31.9	25.4	38.2
92	20.7	16.2	24.4

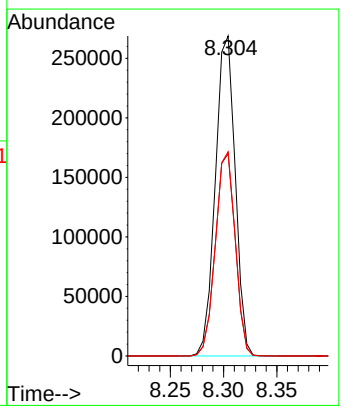


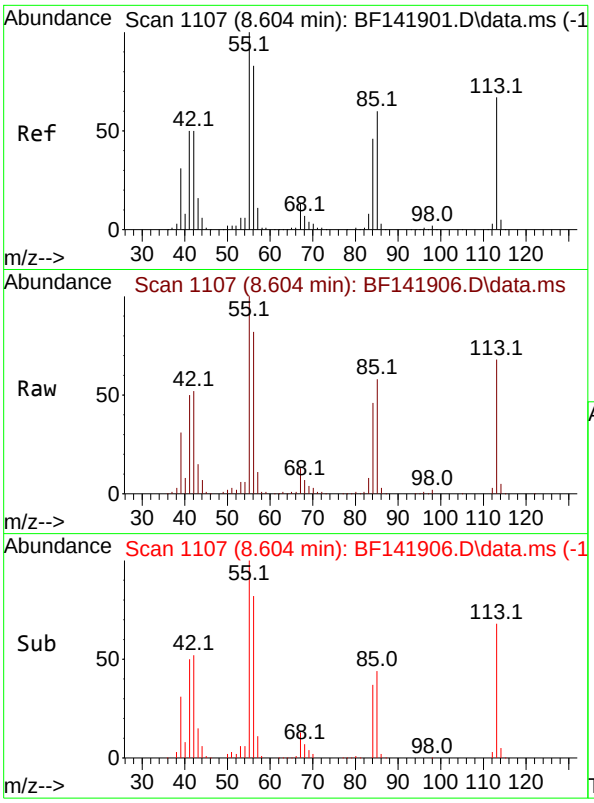


#34
Hexachlorobutadiene
Concen: 38.849 ng
RT: 8.304 min Scan# 1056
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:225 Resp: 347789

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	75.8
227	63.8	52.2	78.2



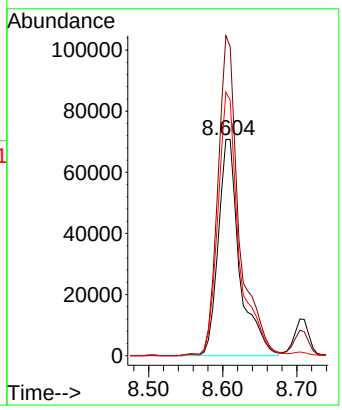


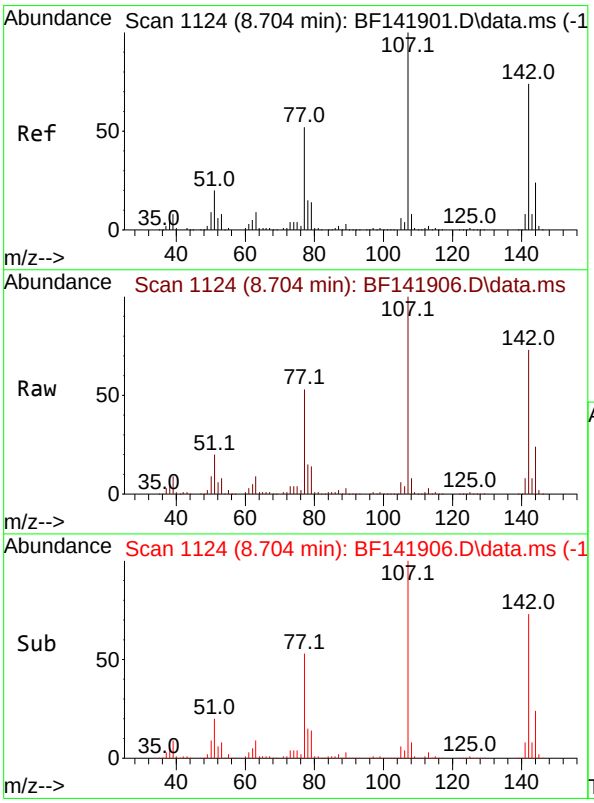
#35
Caprolactam
Concen: 37.276 ng
RT: 8.604 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:113 Resp: 141562

Ion	Ratio	Lower	Upper
113	100		
55	148.0	129.6	169.6
56	121.8	104.0	144.0

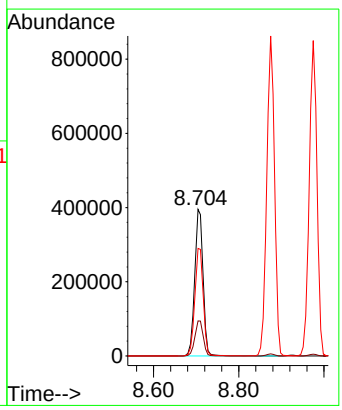


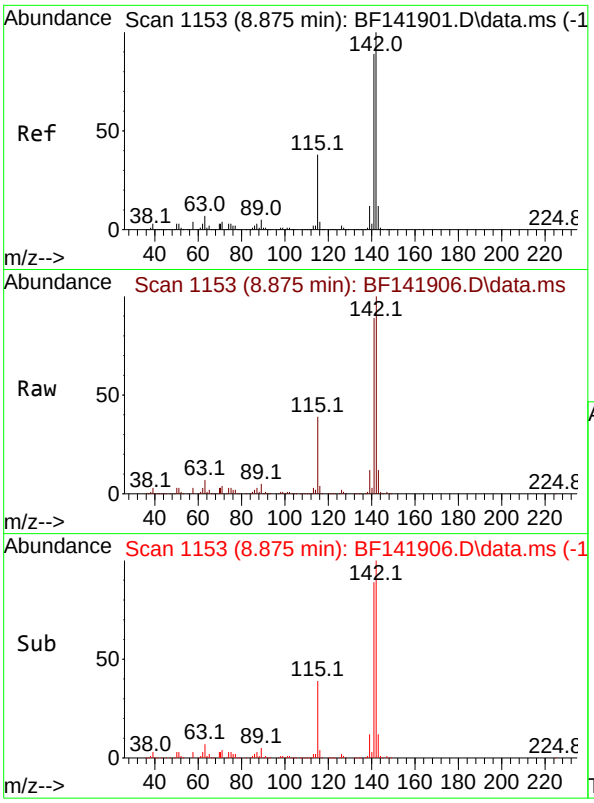


#36
4-Chloro-3-methylphenol
Concen: 38.550 ng
RT: 8.704 min Scan# 1124
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:107 Resp: 535661

Ion	Ratio	Lower	Upper
107	100		
144	23.9	19.0	28.6
142	73.3	59.2	88.8



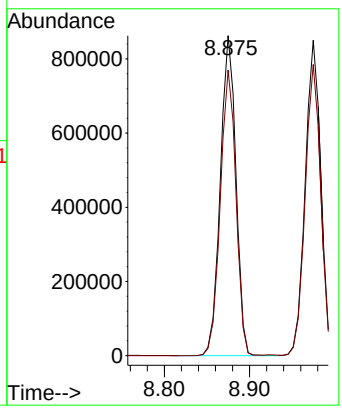


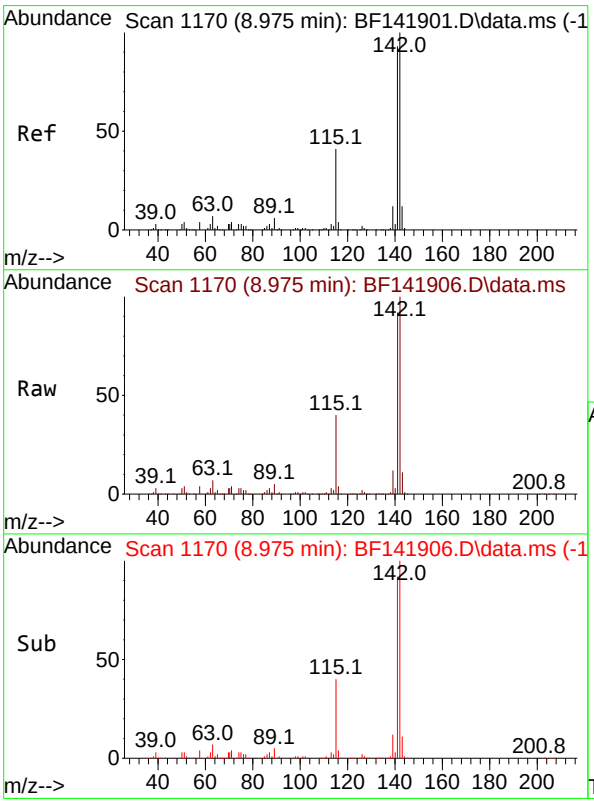
#37
2-Methylnaphthalene
Concen: 37.935 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:142 Resp: 1094895

Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.2	106.8

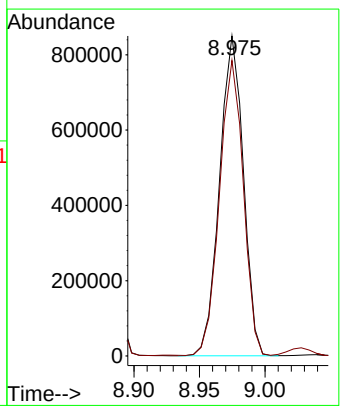


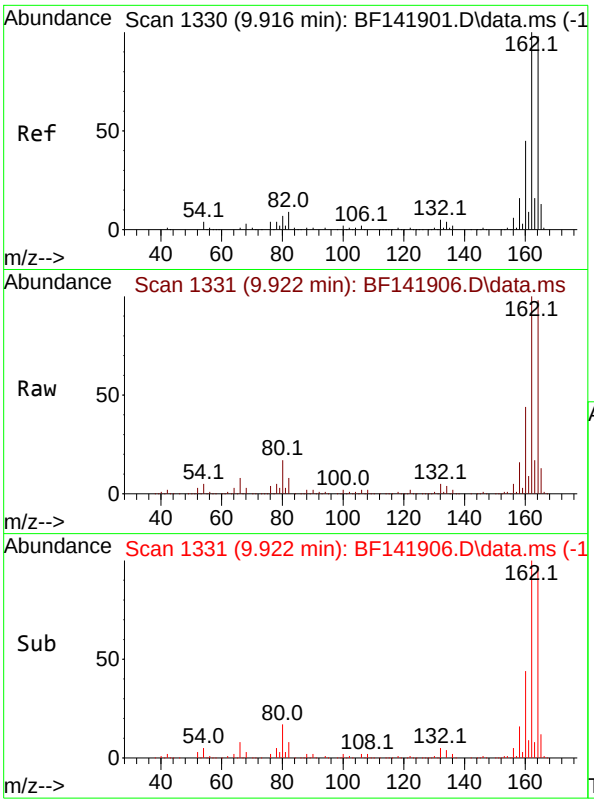


#38
1-Methylnaphthalene
Concen: 38.484 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:142 Resp: 1071850

Ion	Ratio	Lower	Upper
142	100		
141	92.3	74.2	111.4



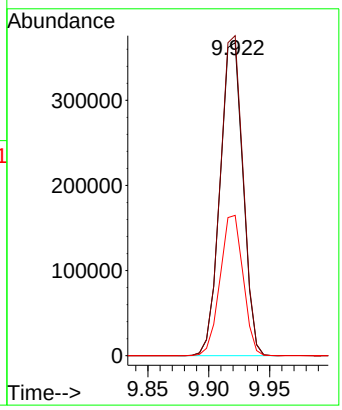


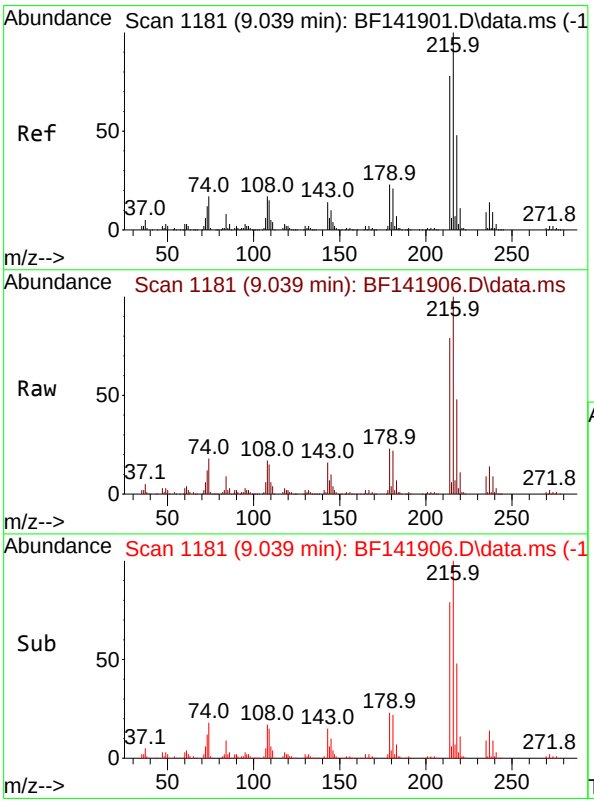
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:164 Resp: 483165

Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.8	122.6
160	44.8	36.7	55.1

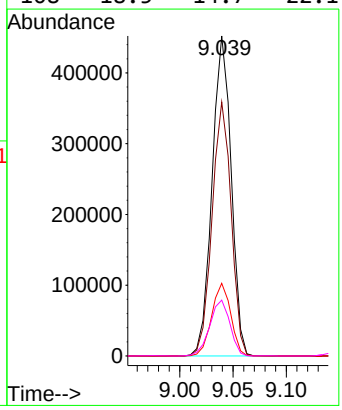


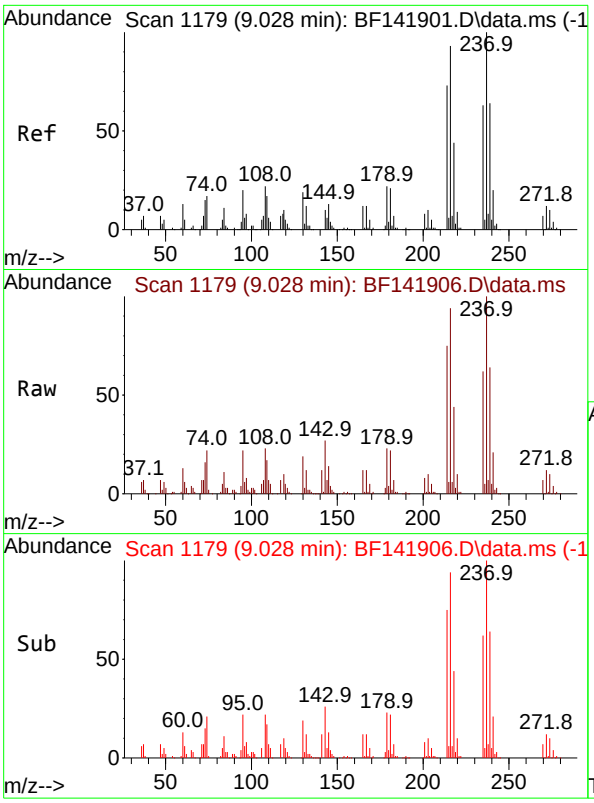


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.191 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:216 Resp: 561804

Ion	Ratio	Lower	Upper
216	100		
214	79.2	61.9	92.9
179	22.7	18.1	27.1
108	18.5	14.7	22.1



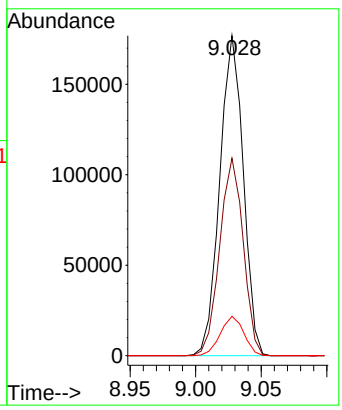


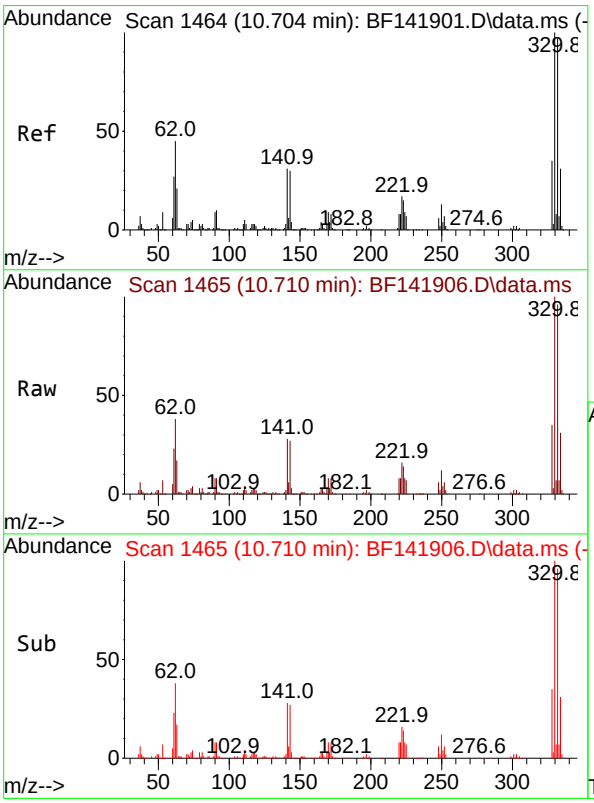
#41
Hexachlorocyclopentadiene
Concen: 38.281 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:237 Resp: 220386

Ion	Ratio	Lower	Upper
237	100		
235	61.7	43.1	83.1
272	12.3	0.0	32.0

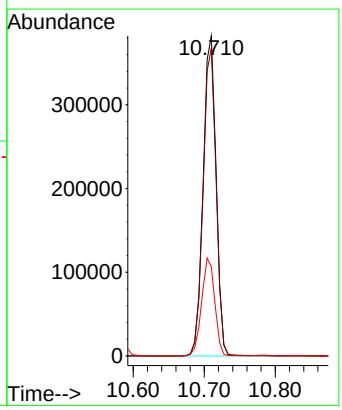


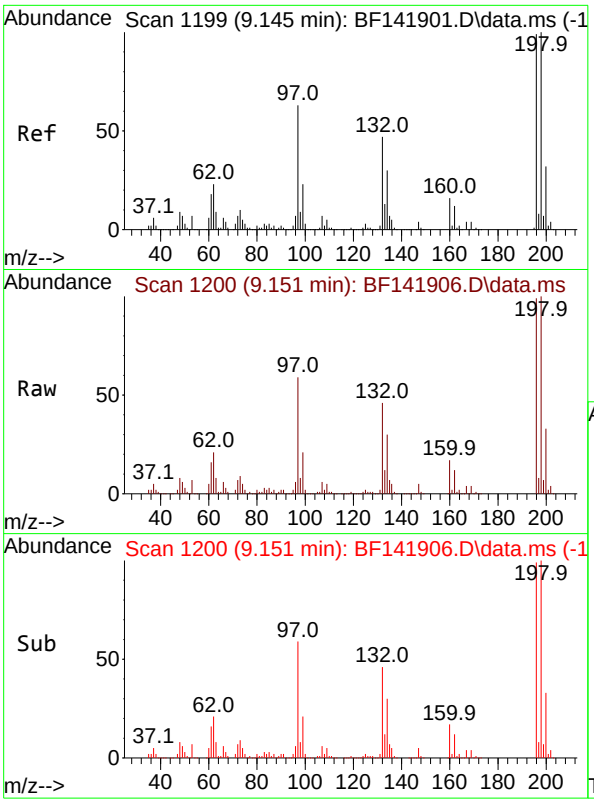


#42
2,4,6-Tribromophenol
Concen: 79.342 ng
RT: 10.710 min Scan# 1465
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:330 Resp: 486334

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.6	116.4
141	30.9	24.7	37.1



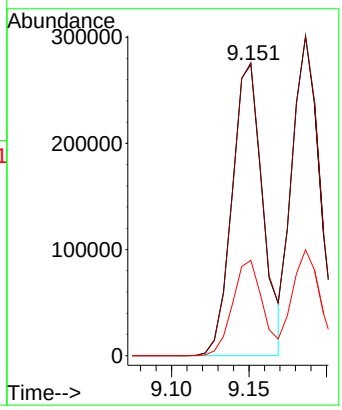


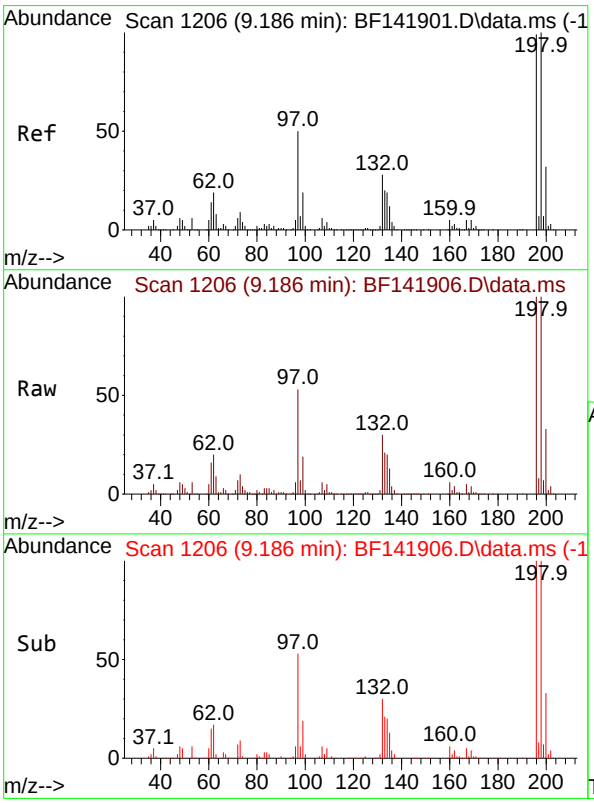
#43
2,4,6-Trichlorophenol
Concen: 39.292 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:196 Resp: 377743

Ion	Ratio	Lower	Upper
196	100		
198	100.6	80.6	121.0
200	32.8	25.8	38.6

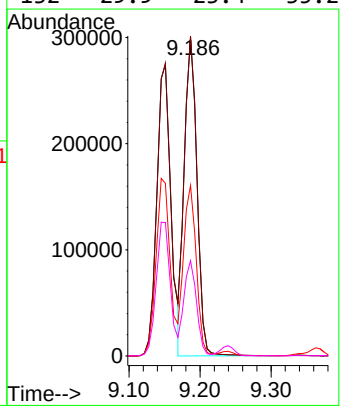


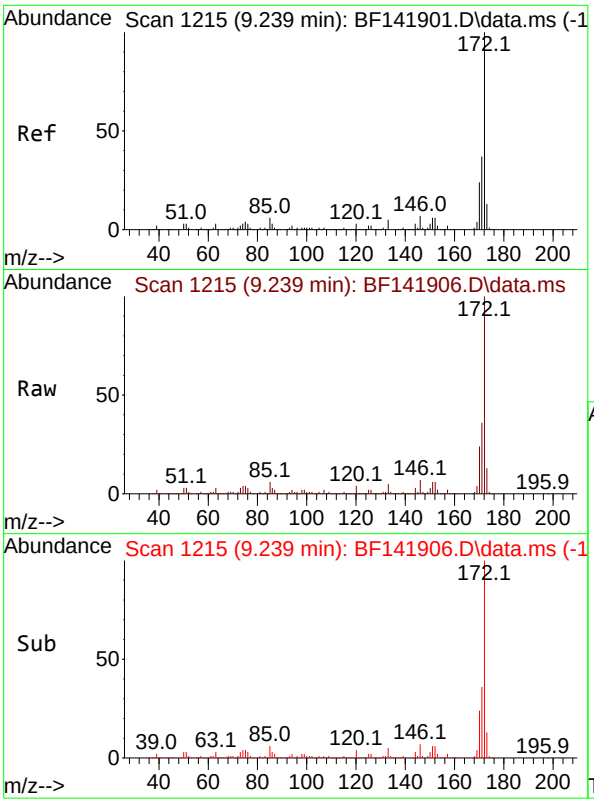


#44
2,4,5-Trichlorophenol
Concen: 38.263 ng
RT: 9.186 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:196 Resp: 372564

Ion	Ratio	Lower	Upper
196	100		
198	100.3	80.7	121.1
97	53.5	42.1	63.1
132	29.9	23.4	35.2



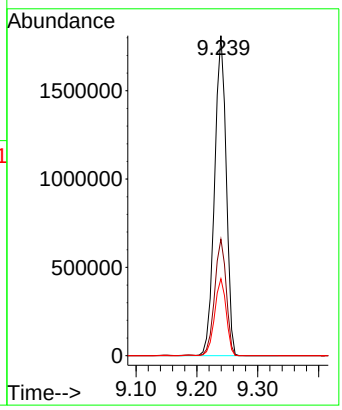


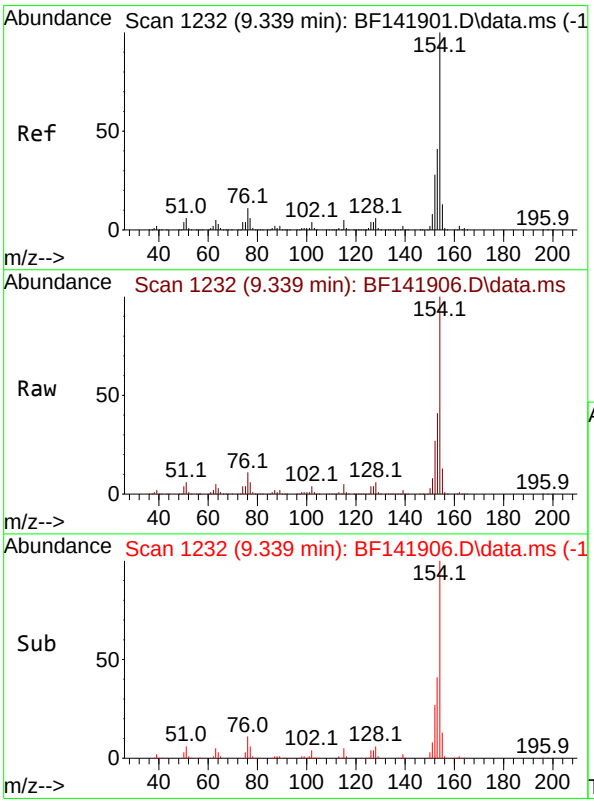
#45
2-Fluorobiphenyl
Concen: 75.528 ng
RT: 9.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:172 Resp: 2399526

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.3	43.9
170	24.1	19.4	29.0

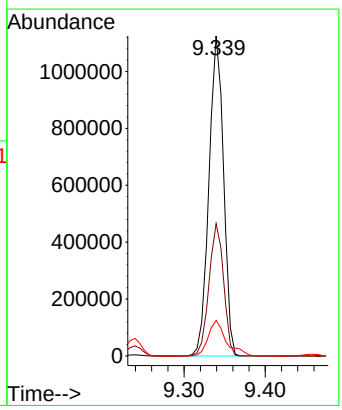


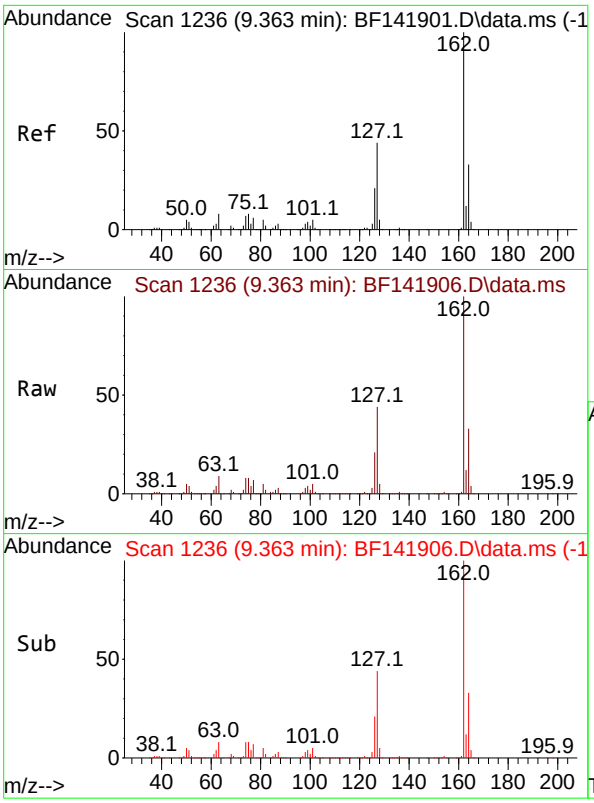


#46
1,1'-Biphenyl
Concen: 38.182 ng
RT: 9.339 min Scan# 1232
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:154 Resp: 1401736

Ion	Ratio	Lower	Upper
154	100		
153	41.3	21.1	61.1
76	11.1	0.0	31.3



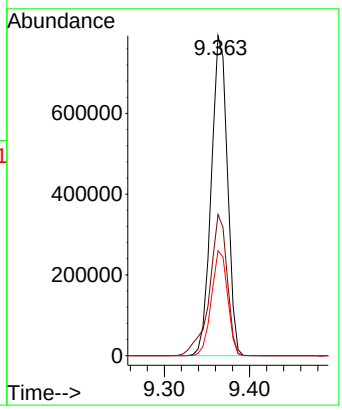


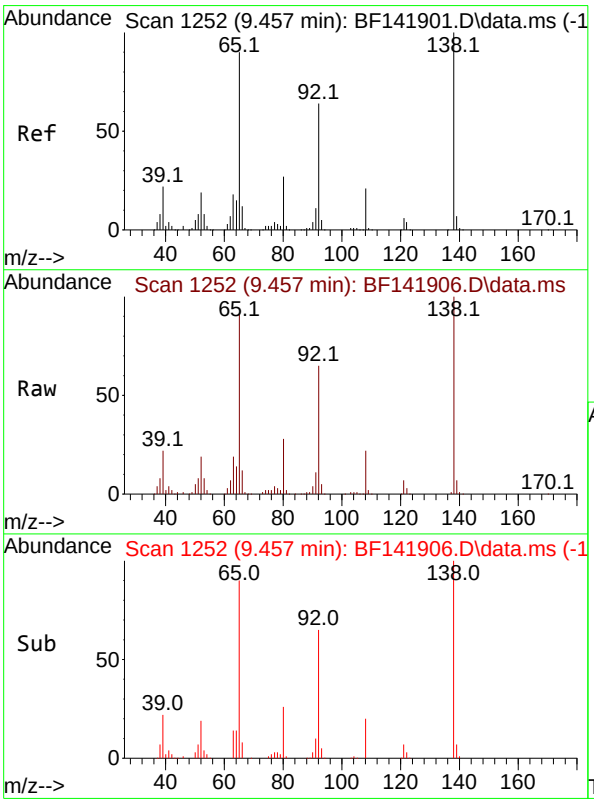
#47
2-Chloronaphthalene
Concen: 38.090 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:162 Resp: 1042241

Ion	Ratio	Lower	Upper
162	100		
127	44.1	35.5	53.3
164	32.8	26.6	40.0

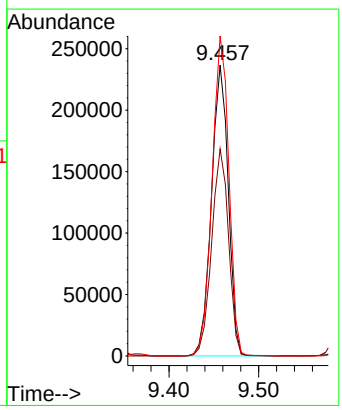


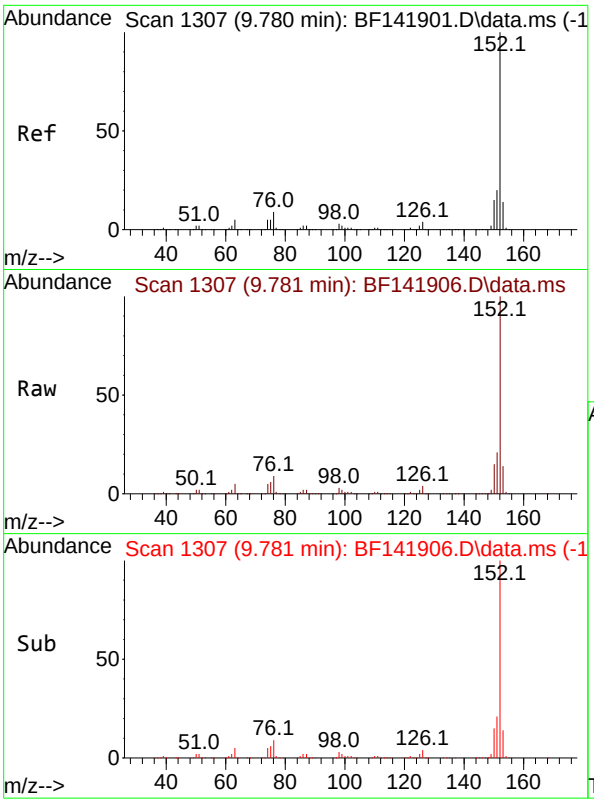


#48
2-Nitroaniline
Concen: 38.908 ng
RT: 9.457 min Scan# 1252
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 65 Resp: 308259

Ion	Ratio	Lower	Upper
65	100		
92	71.2	56.6	84.8
138	110.1	88.6	133.0



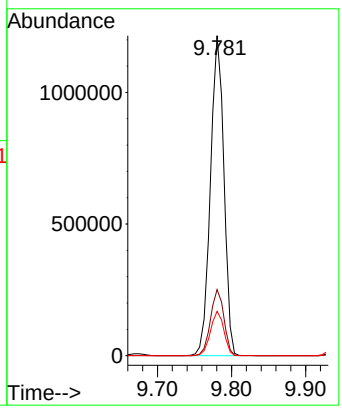


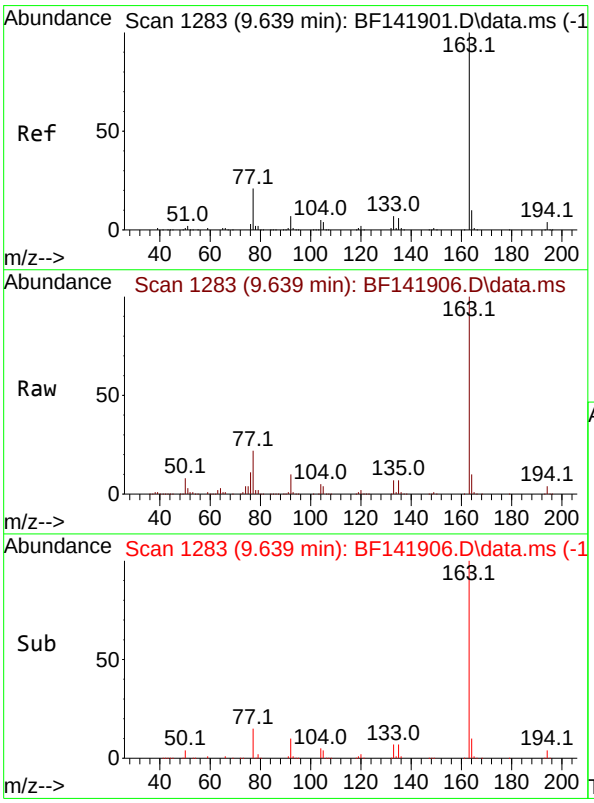
#49
Acenaphthylene
Concen: 37.725 ng
RT: 9.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:152 Resp: 1531852

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.3	24.5
153	13.9	11.1	16.7

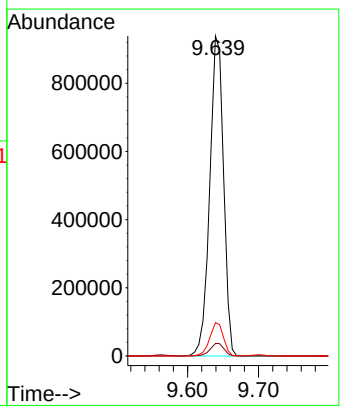


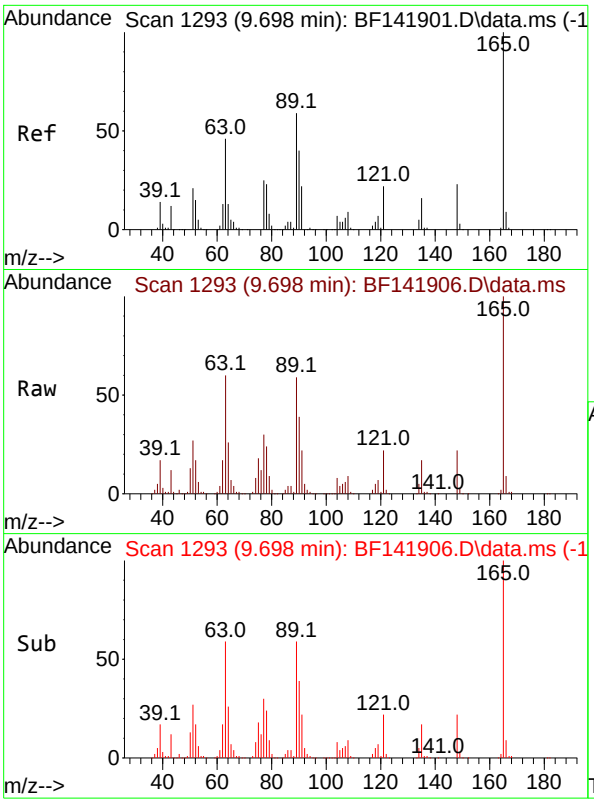


#50
Dimethylphthalate
Concen: 37.611 ng
RT: 9.639 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:163 Resp: 1272572

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.4	8.2	12.4



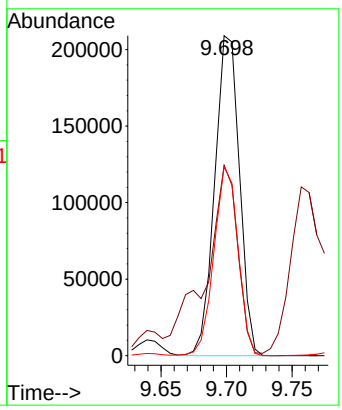


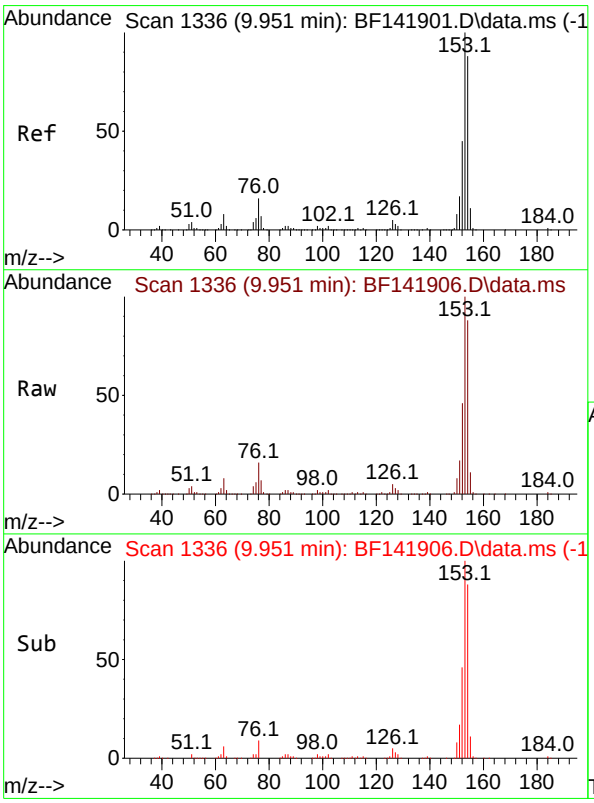
#51
2,6-Dinitrotoluene
Concen: 38.970 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:165 Resp: 274531

Ion	Ratio	Lower	Upper
165	100		
63	59.5	47.0	70.4
89	59.1	47.4	71.2

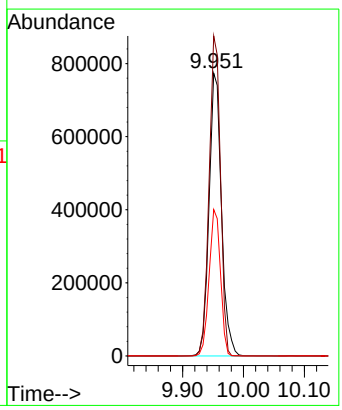


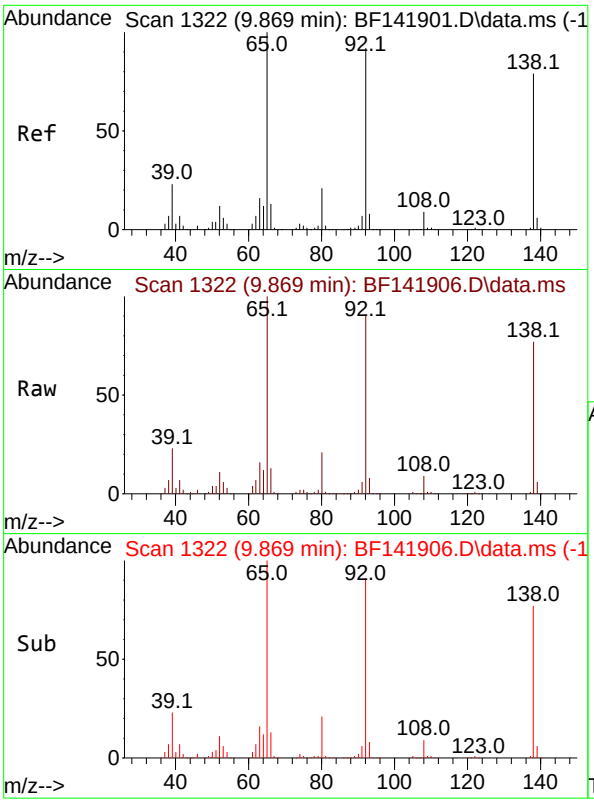


#52
Acenaphthene
Concen: 38.405 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:154 Resp: 1095922

Ion	Ratio	Lower	Upper
154	100		
153	113.2	90.7	136.1
152	51.8	41.1	61.7



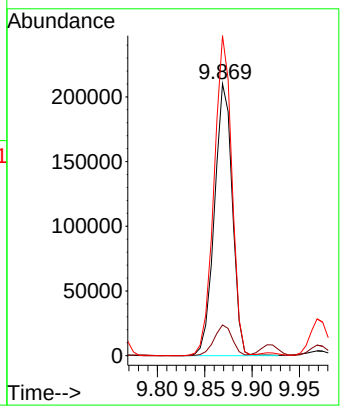


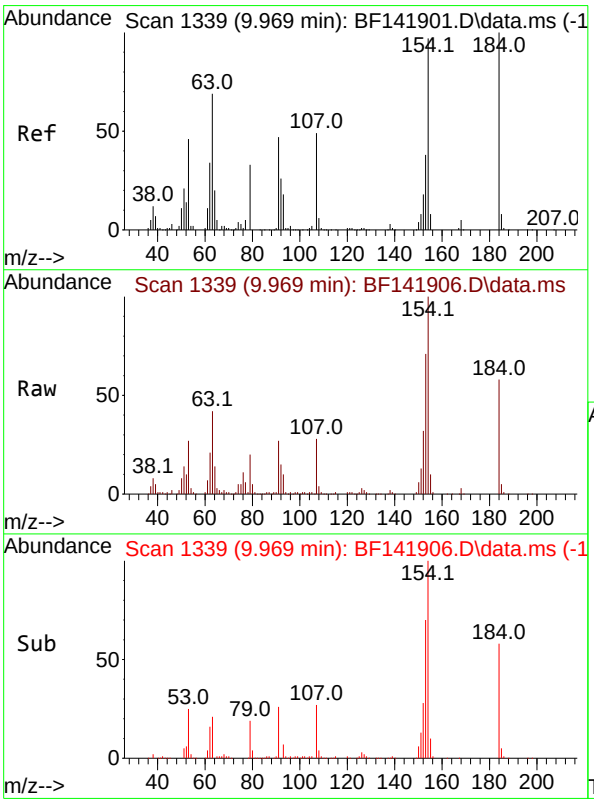
#53
3-Nitroaniline
Concen: 38.561 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:138 Resp: 275555

Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.3	13.9
92	117.7	93.5	140.3

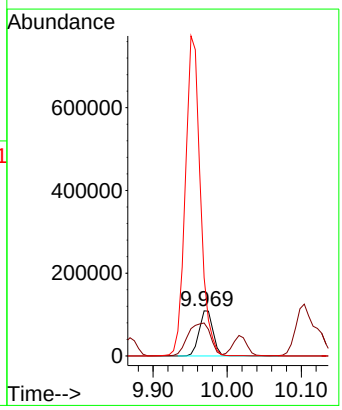


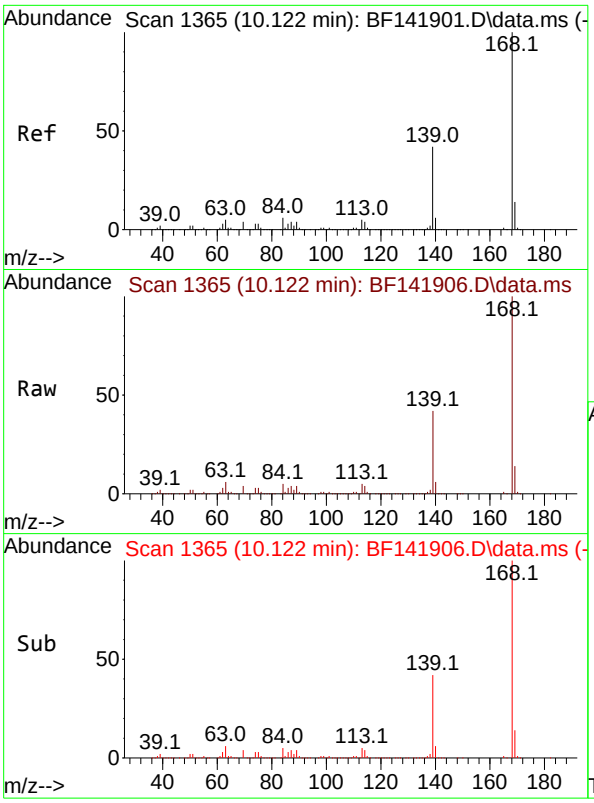


#54
2,4-Dinitrophenol
Concen: 39.326 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:184 Resp: 142831

Ion	Ratio	Lower	Upper
184	100		
63	73.1	60.2	90.4
154	173.5	132.9	199.3



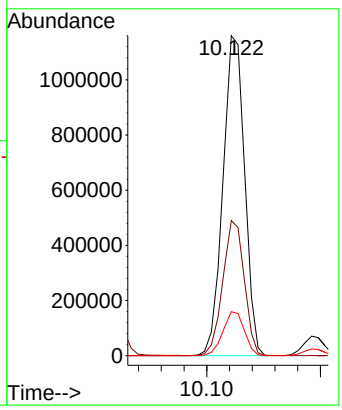


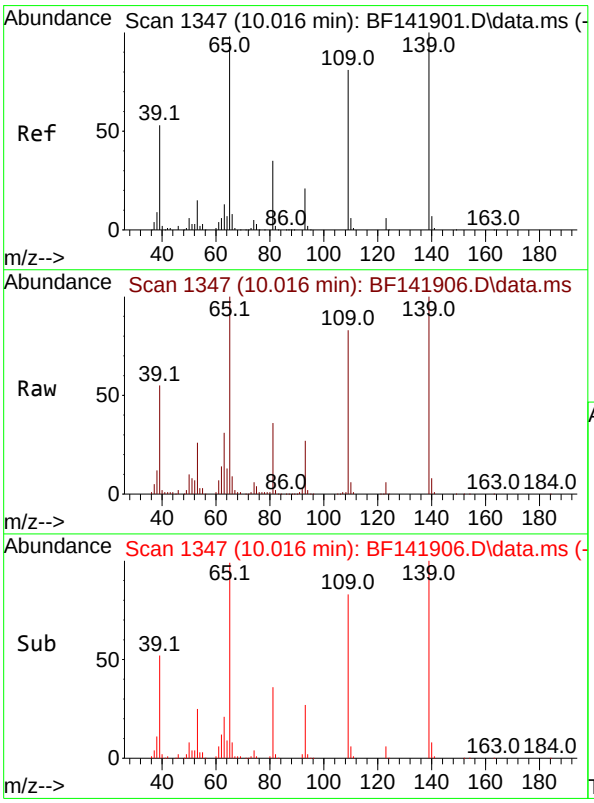
#55
Dibenzofuran
Concen: 37.778 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:168 Resp: 1540381

Ion	Ratio	Lower	Upper
168	100		
139	42.2	33.9	50.9
169	13.8	11.0	16.4

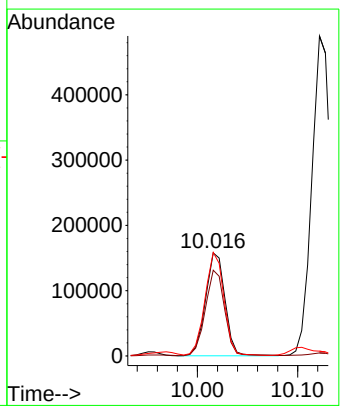


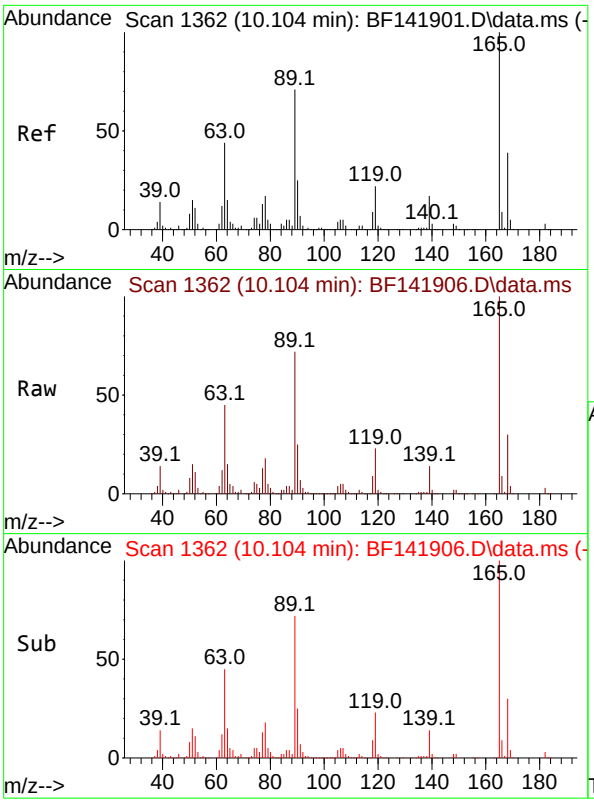


#56
4-Nitrophenol
Concen: 39.425 ng
RT: 10.016 min Scan# 1347
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:139 Resp: 212462

Ion	Ratio	Lower	Upper
139	100		
109	83.2	61.6	101.6
65	100.4	79.4	119.4



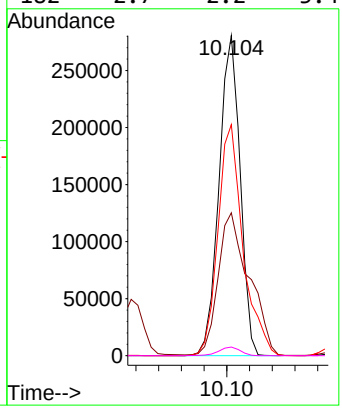


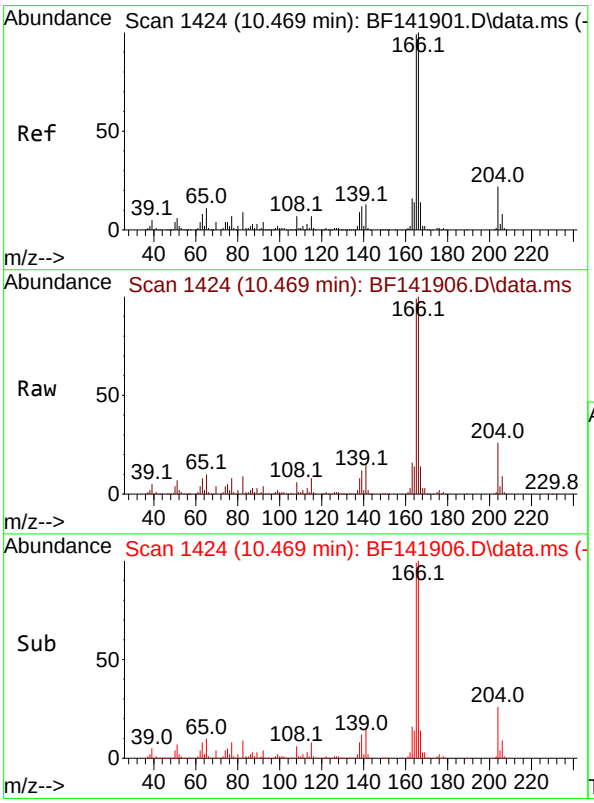
#57
2,4-Dinitrotoluene
Concen: 39.291 ng
RT: 10.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:165 Resp: 361518

Ion	Ratio	Lower	Upper
165	100		
63	44.7	35.4	53.2
89	72.2	56.6	84.8
182	2.7	2.2	3.4

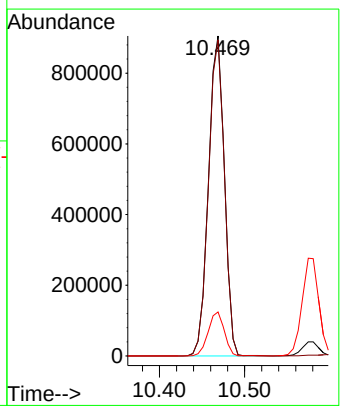


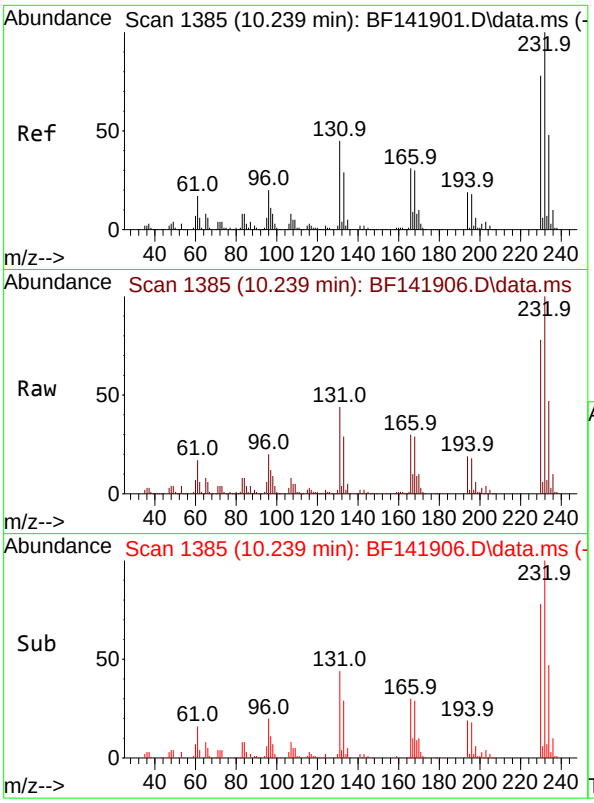


#58
Fluorene
Concen: 37.381 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:166 Resp: 1175392

Ion	Ratio	Lower	Upper
166	100		
165	98.8	79.0	118.4
167	13.8	11.0	16.4



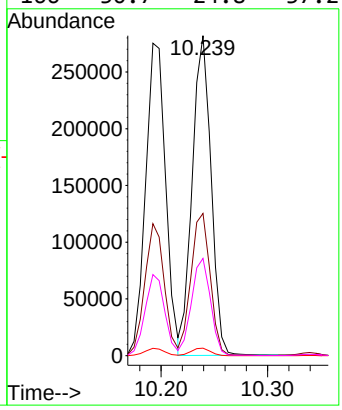


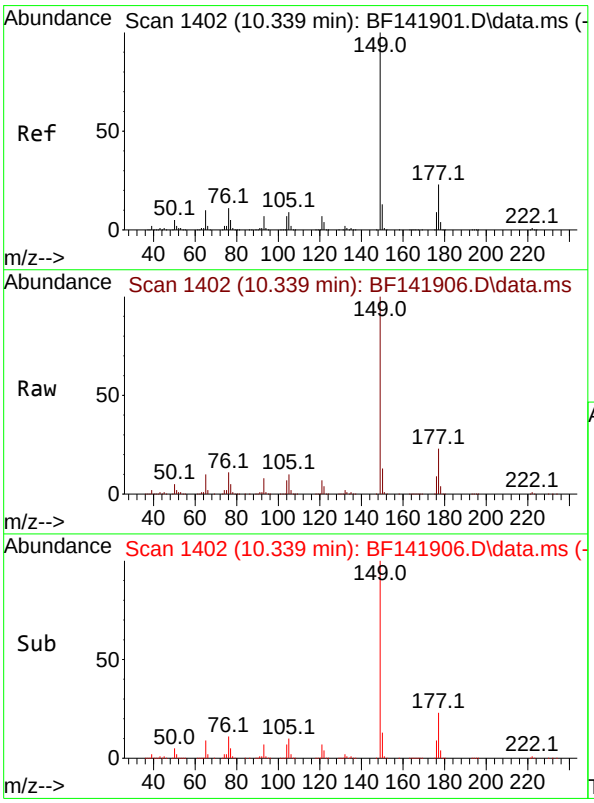
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.070 ng
RT: 10.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:232 Resp: 346168

Ion	Ratio	Lower	Upper
232	100		
131	45.8	37.3	55.9
130	2.4	1.9	2.9
166	30.7	24.8	37.2

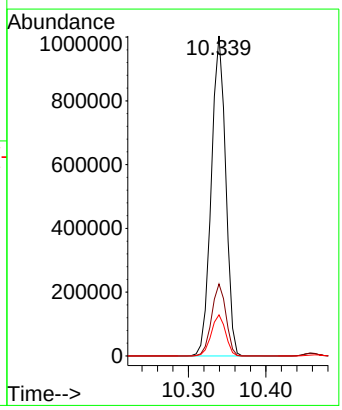


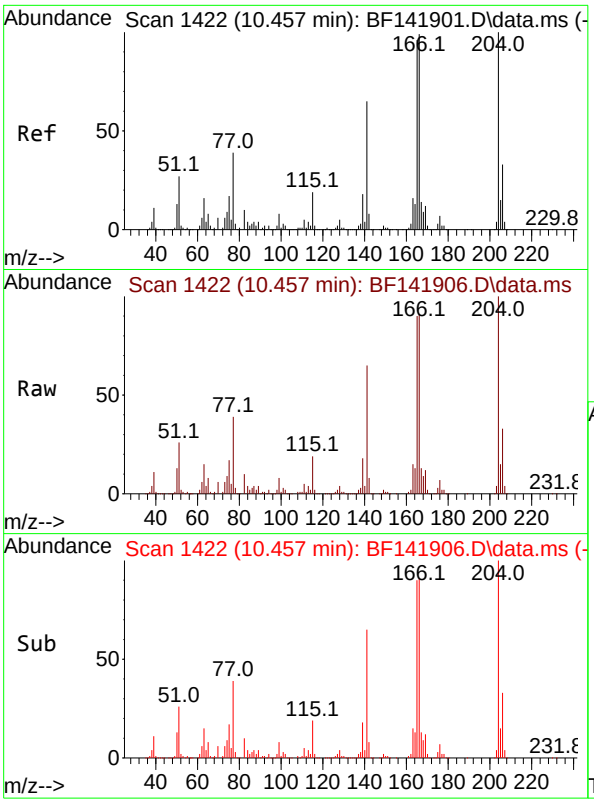


#60
Diethylphthalate
Concen: 38.337 ng
RT: 10.339 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:149 Resp: 1293401

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.0	27.0
150	12.8	10.2	15.4



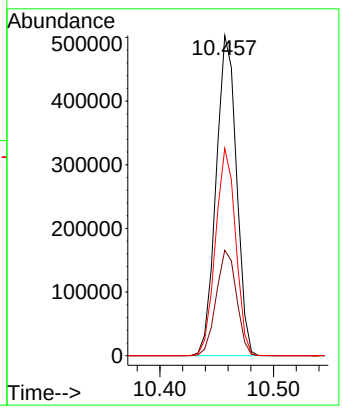


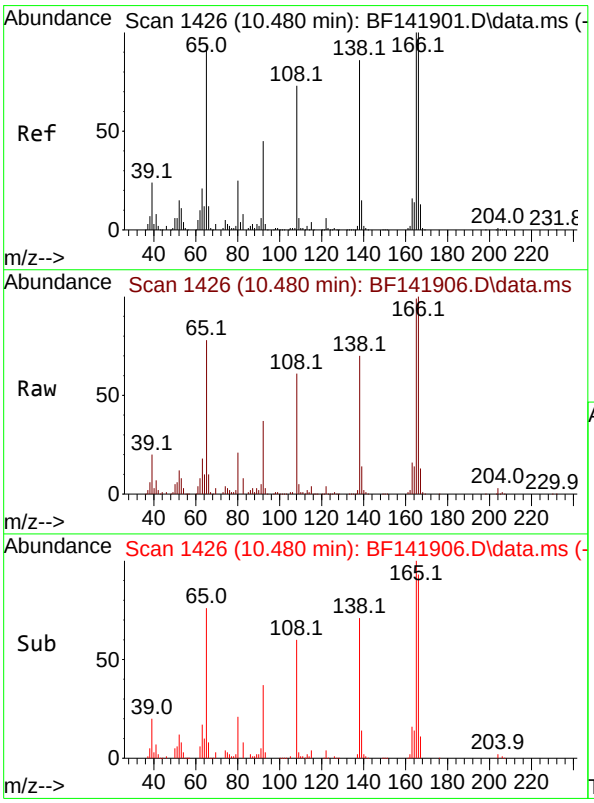
#61
4-Chlorophenyl-phenylether
Concen: 38.272 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:204 Resp: 627404

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.8	40.2
141	64.8	52.4	78.6

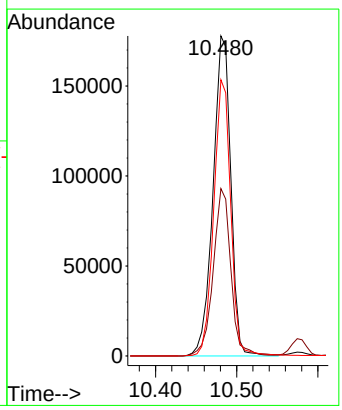


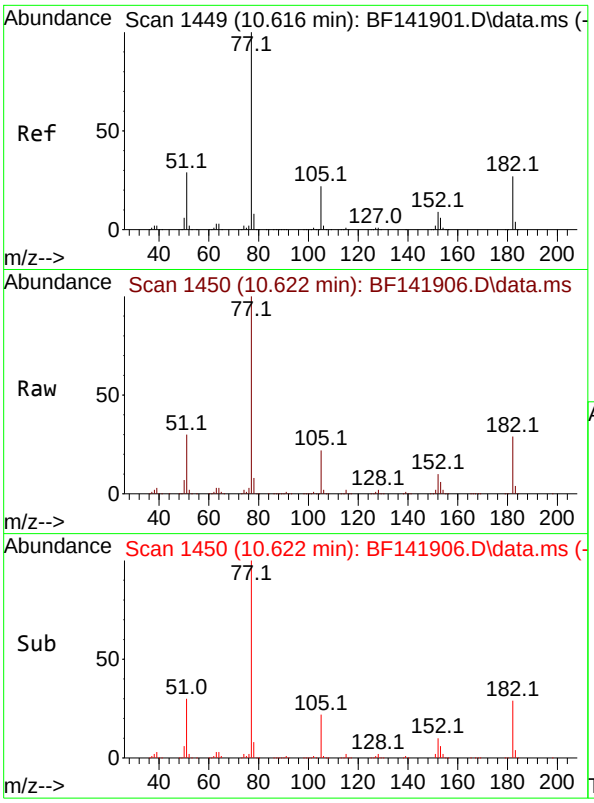


#62
4-Nitroaniline
Concen: 38.953 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:138 Resp: 270993

Ion	Ratio	Lower	Upper
138	100		
92	52.3	32.6	72.6
108	86.3	65.0	105.0



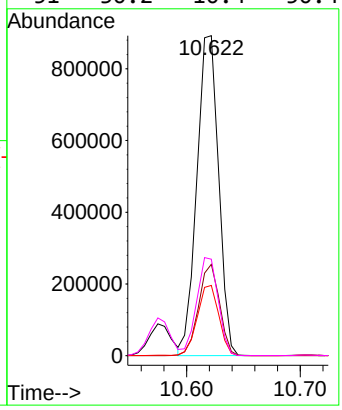


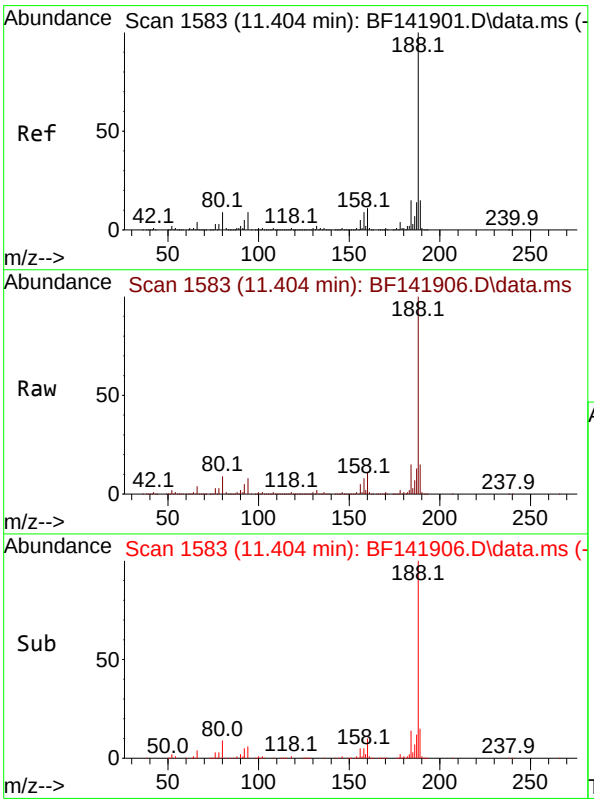
#63
Azobenzene
Concen: 37.911 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion: 77 Resp: 1189121

Ion	Ratio	Lower	Upper
77	100		
182	28.5	6.6	46.6
105	22.0	1.3	41.3
51	30.2	10.4	50.4

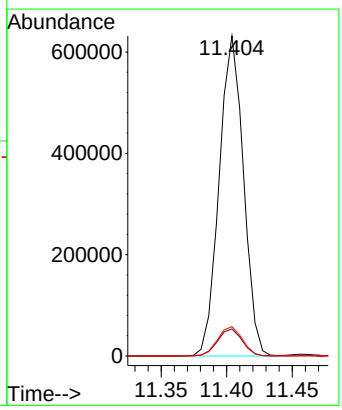


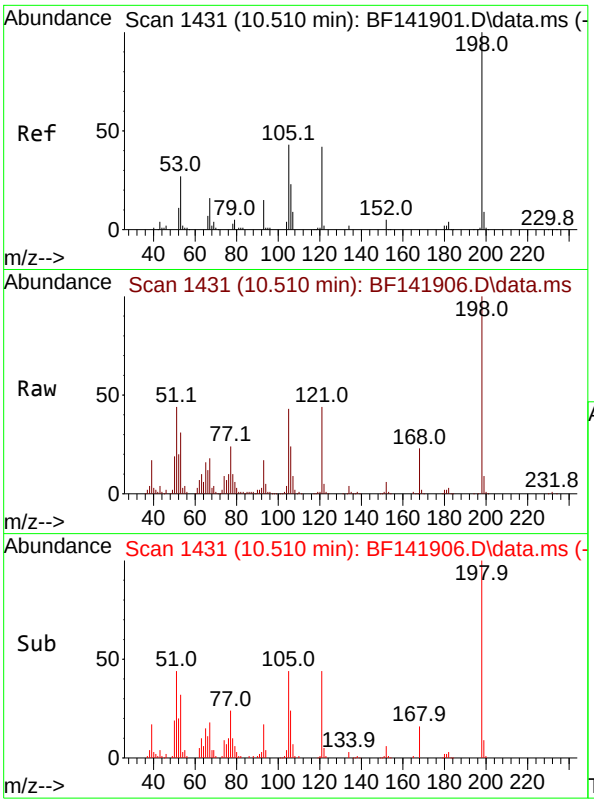


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:188 Resp: 813672

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.8	10.2
80	9.1	7.6	11.4



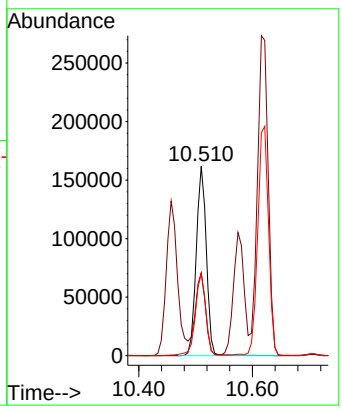


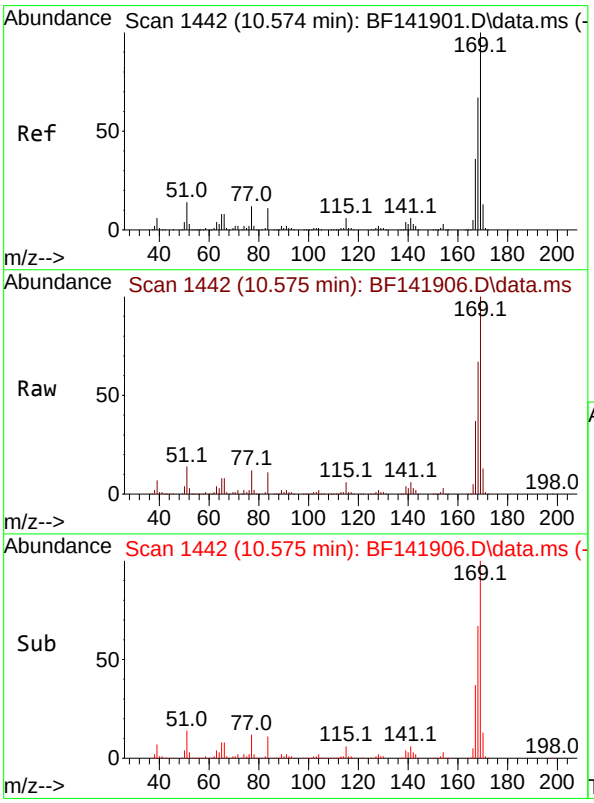
#65
4,6-Dinitro-2-methylphenol
Concen: 41.415 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:198 Resp: 200888

Ion	Ratio	Lower	Upper
198	100		
51	43.7	22.3	62.3
105	43.4	23.0	63.0

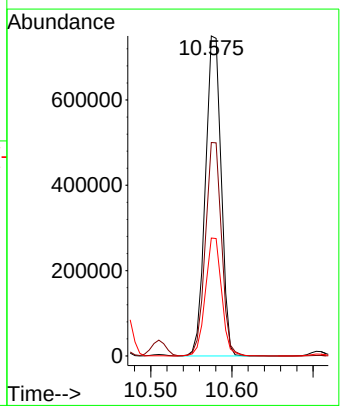


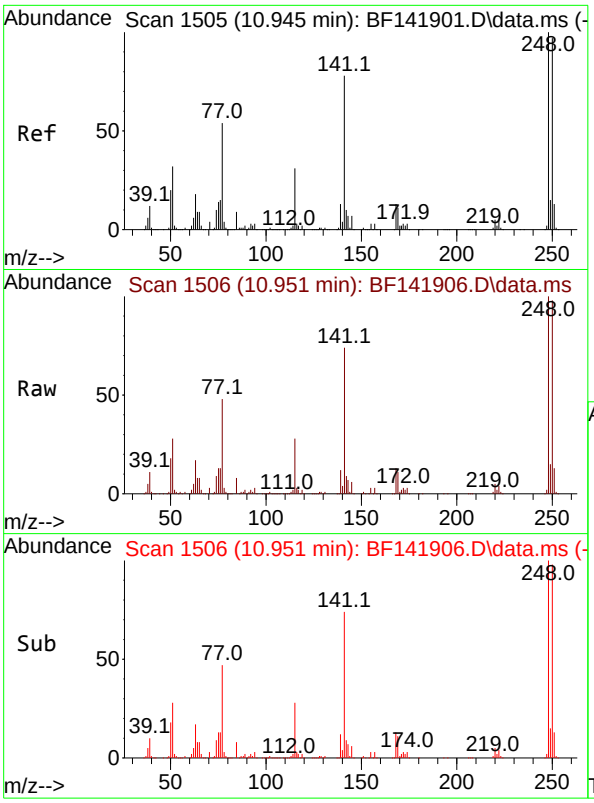


#66
n-Nitrosodiphenylamine
Concen: 38.283 ng
RT: 10.575 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:169 Resp: 1008029

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.7	80.5
167	36.9	29.2	43.8



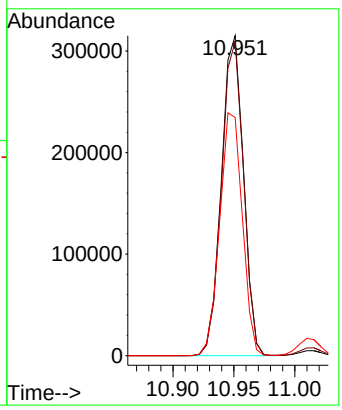


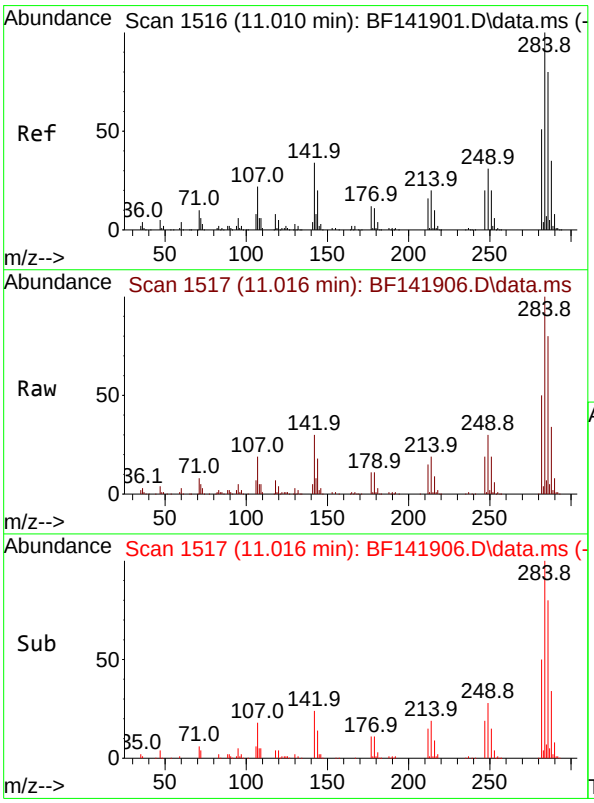
#67
4-Bromophenyl-phenylether
Concen: 39.015 ng
RT: 10.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:248 Resp: 398683

Ion	Ratio	Lower	Upper
248	100		
250	98.1	77.8	116.8
141	74.4	62.6	93.8

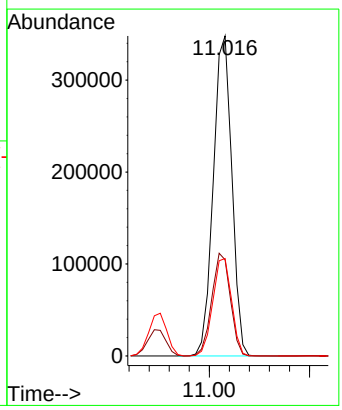


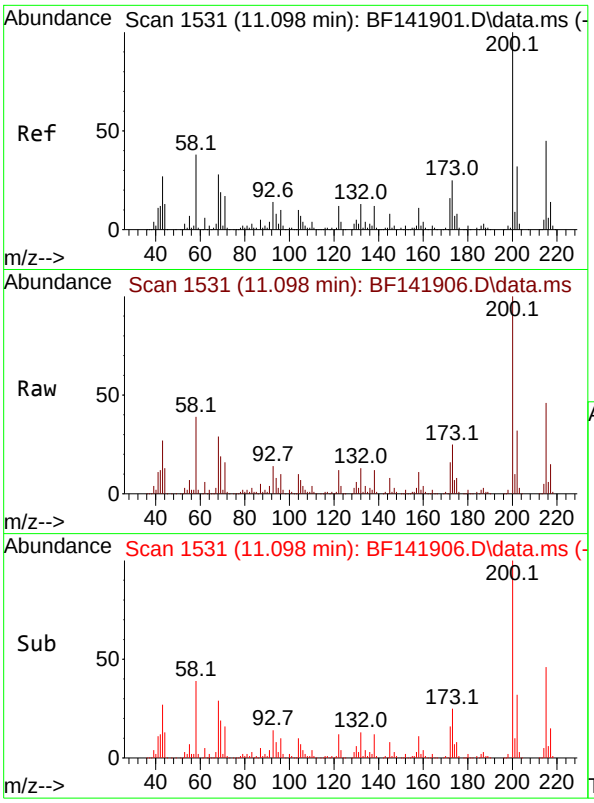


#68
Hexachlorobenzene
Concen: 39.789 ng
RT: 11.016 min Scan# 1517
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:284 Resp: 445938

Ion	Ratio	Lower	Upper
284	100		
142	30.0	27.0	40.6
249	30.5	25.2	37.8



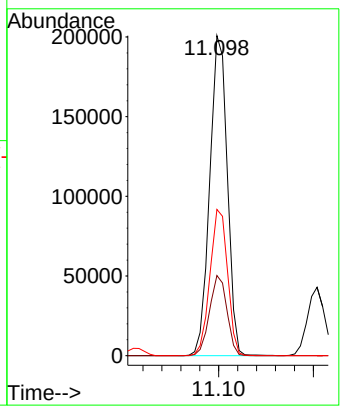


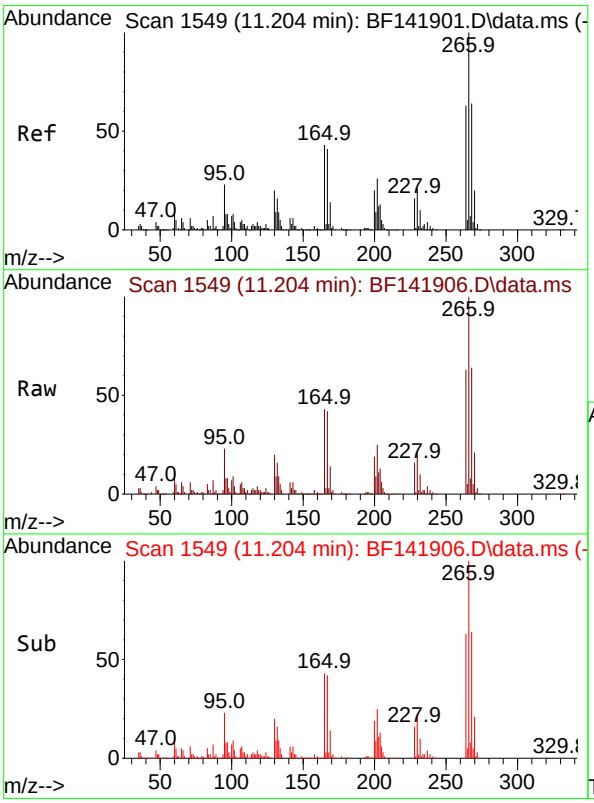
#69
Atrazine
Concen: 31.945 ng
RT: 11.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:200 Resp: 257856

Ion	Ratio	Lower	Upper
200	100		
173	25.1	4.7	44.7
215	45.7	25.4	65.4

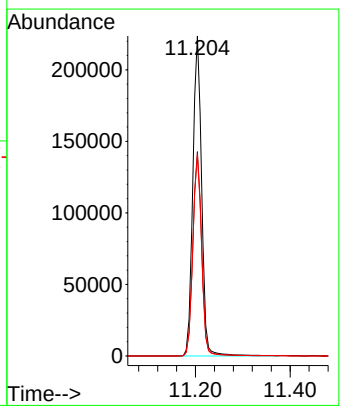


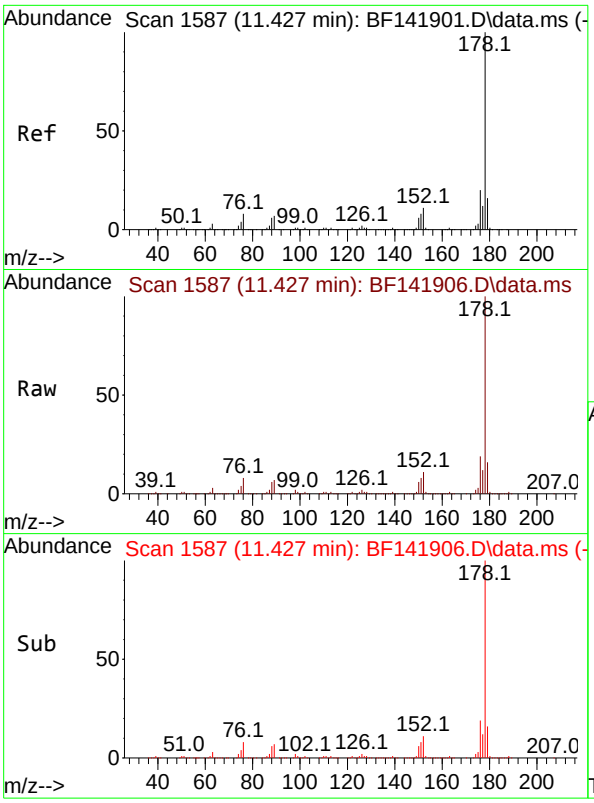


#70
Pentachlorophenol
Concen: 41.955 ng
RT: 11.204 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:266 Resp: 289713

Ion	Ratio	Lower	Upper
266	100		
268	63.8	51.0	76.6
264	62.9	50.2	75.2



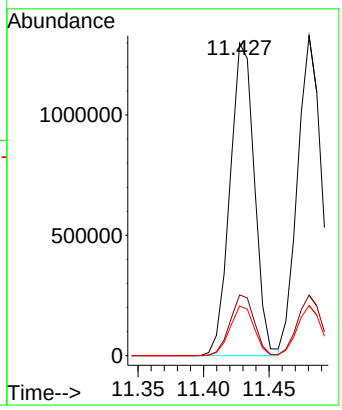


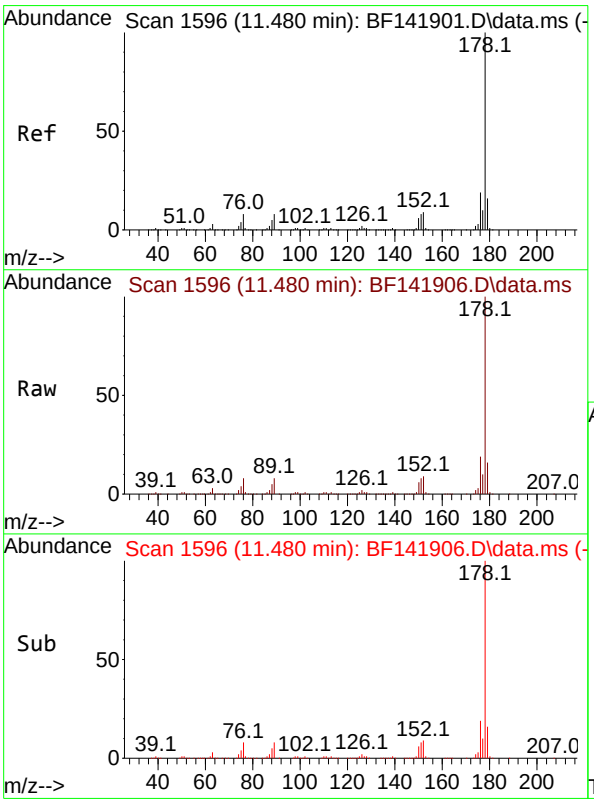
#71
Phenanthrene
Concen: 38.357 ng
RT: 11.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:178 Resp: 1685770

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.9	12.6	19.0

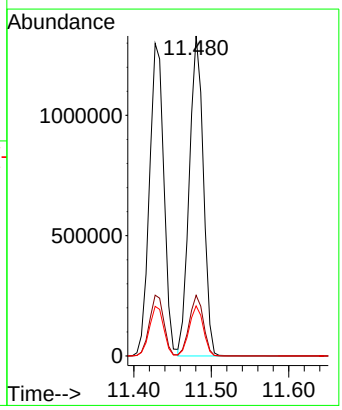


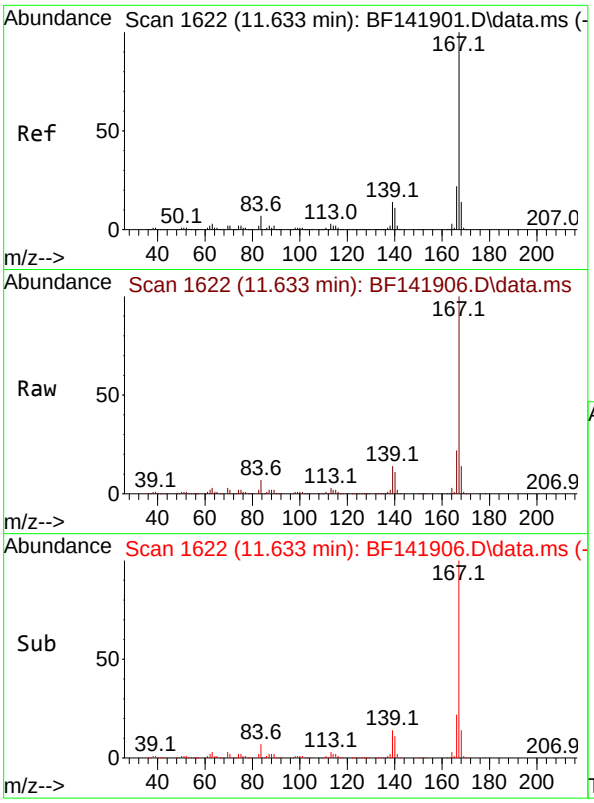


#72
Anthracene
Concen: 37.991 ng
RT: 11.480 min Scan# 1596
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:178 Resp: 1675103

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.7	12.6	19.0



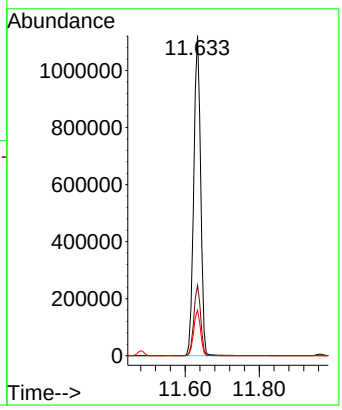


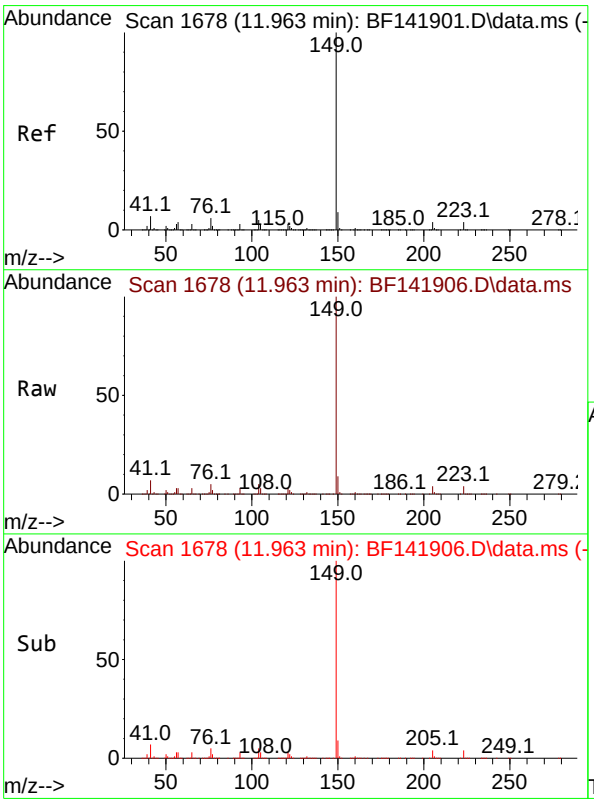
#73
Carbazole
Concen: 38.167 ng
RT: 11.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:167 Resp: 1451333

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.4	26.2
139	14.2	11.0	16.6

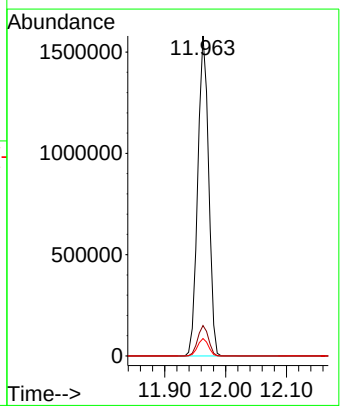


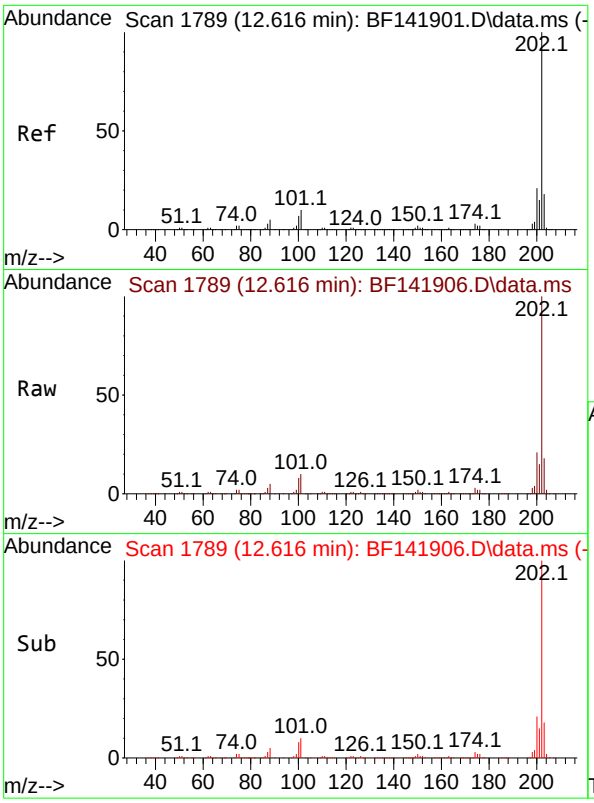


#74
Di-n-butylphthalate
Concen: 38.717 ng
RT: 11.963 min Scan# 1678
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:149 Resp: 1953516

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.6	11.4
104	5.5	4.4	6.6



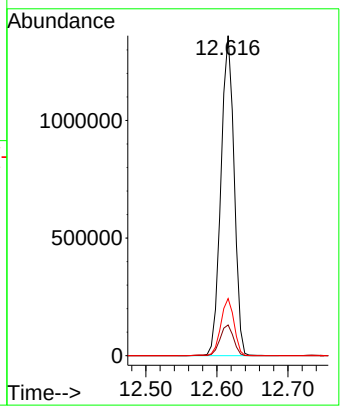


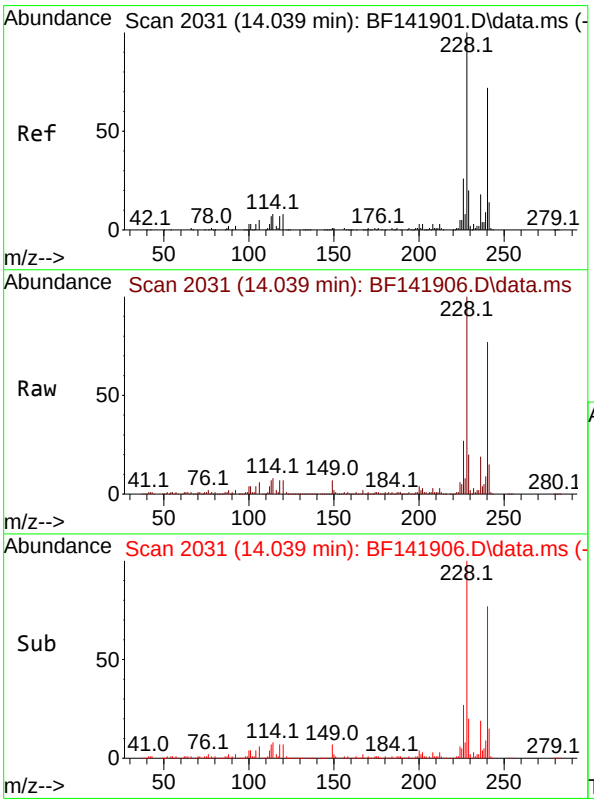
#75
Fluoranthene
Concen: 37.545 ng
RT: 12.616 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:202 Resp: 1750317

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	29.7
203	17.9	0.0	37.8

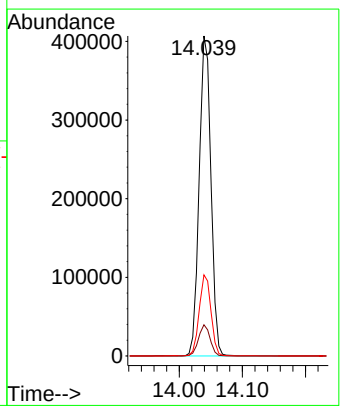


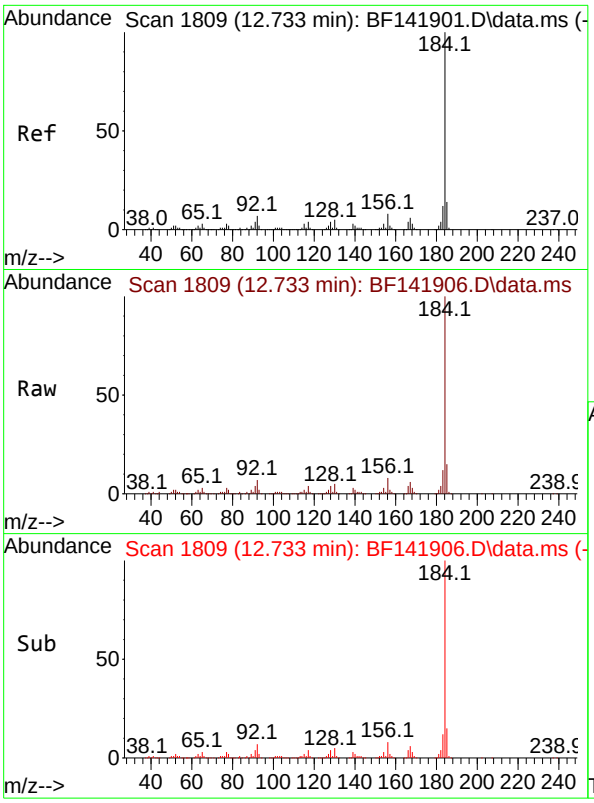


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:240 Resp: 523890

Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.4	12.6
236	25.3	20.5	30.7



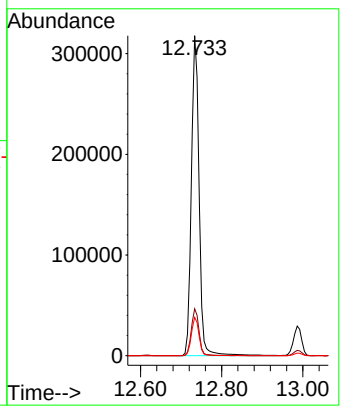


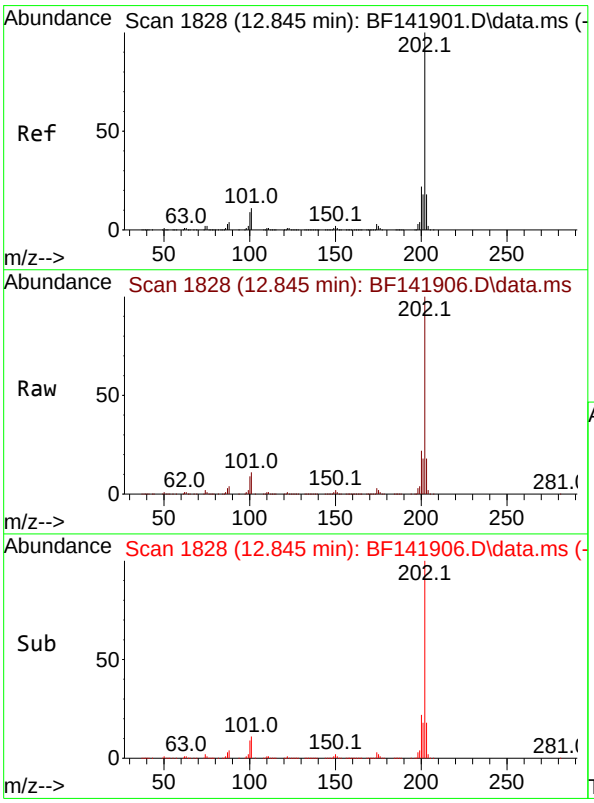
#77
Benzidine
Concen: 57.513 ng
RT: 12.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:184 Resp: 420377

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.5	17.3
183	12.0	9.7	14.5

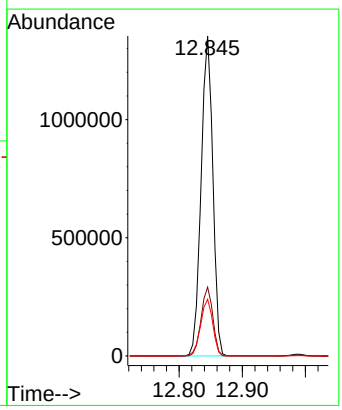


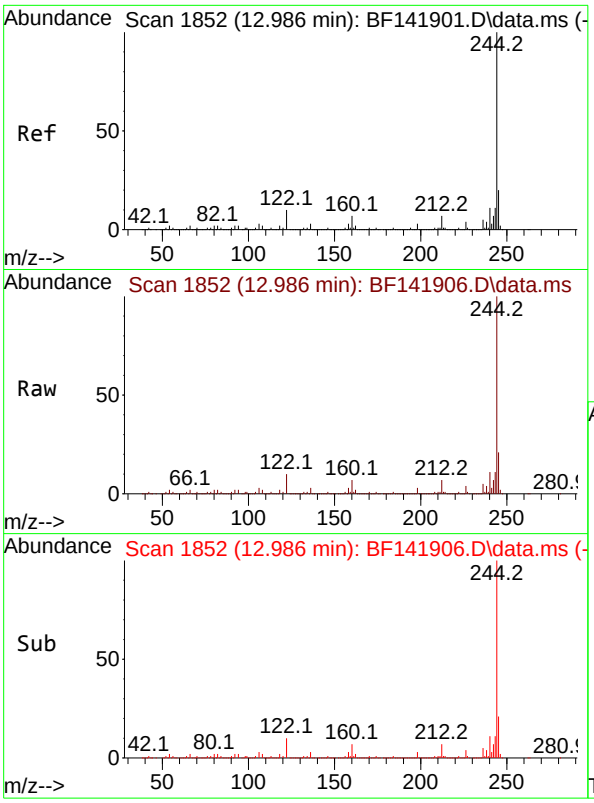


#78
Pyrene
Concen: 38.539 ng
RT: 12.845 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:202 Resp: 1746456

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.3	25.9
203	17.7	14.4	21.6



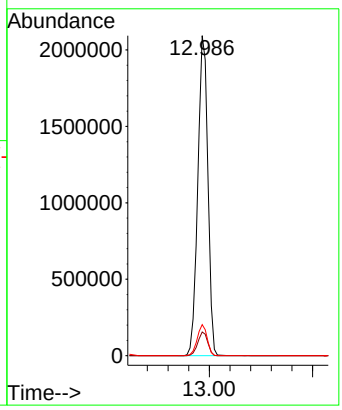


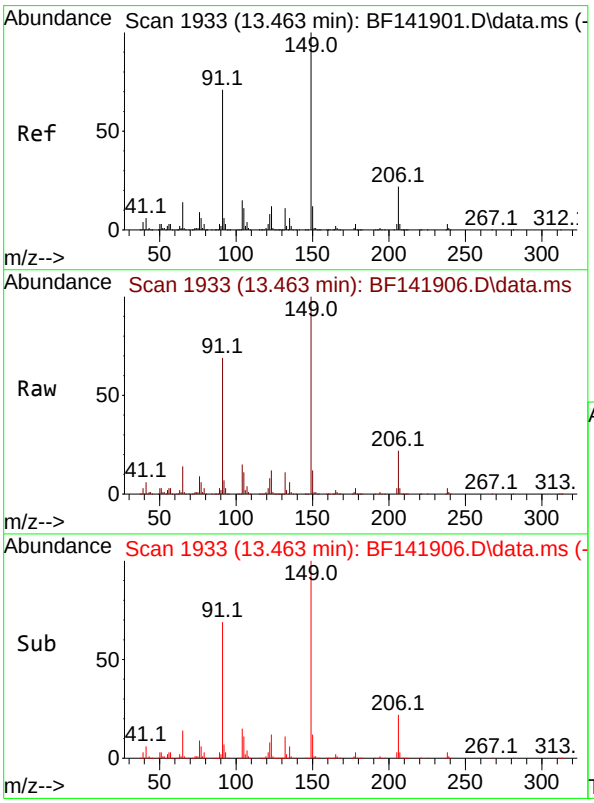
#79
Terphenyl-d14
Concen: 79.748 ng
RT: 12.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:244 Resp: 2825870

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	9.7	7.7	11.5

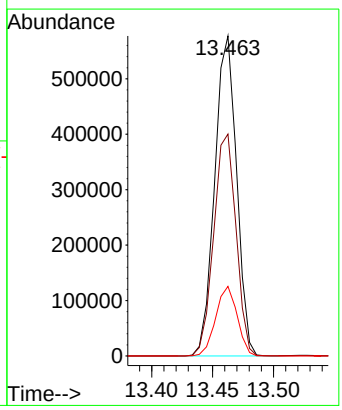


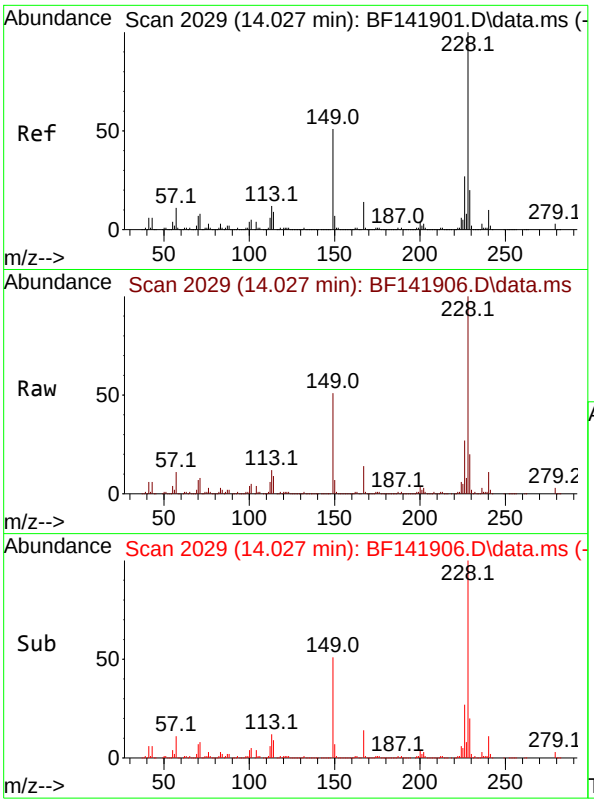


#80
Butylbenzylphthalate
Concen: 40.778 ng
RT: 13.463 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:149 Resp: 723288

Ion	Ratio	Lower	Upper
149	100		
91	69.3	56.5	84.7
206	21.8	17.3	25.9



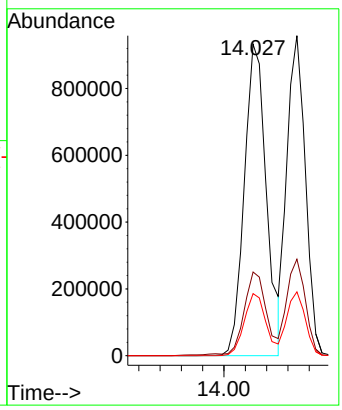


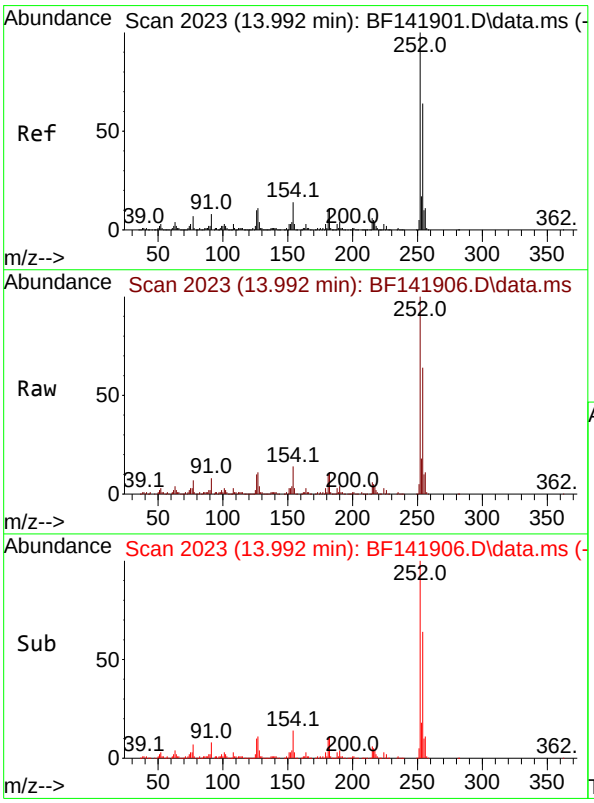
#81
Benzo(a)anthracene
Concen: 39.211 ng
RT: 14.027 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:228 Resp: 1347977

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	20.0	16.0	24.0

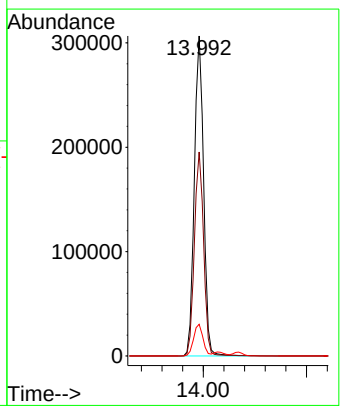


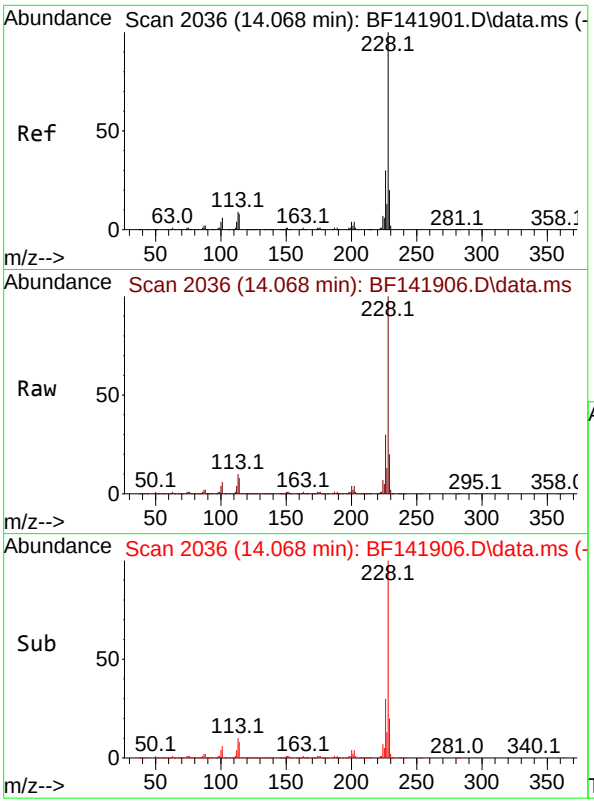


#82
3,3'-Dichlorobenzidine
Concen: 38.337 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:252 Resp: 380866

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.0	76.6
126	9.9	8.4	12.6



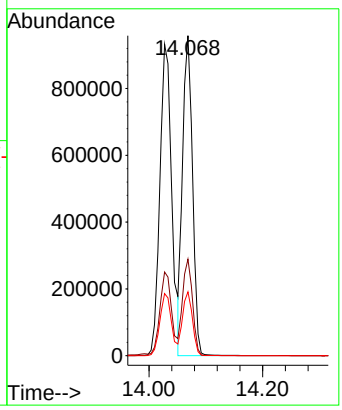


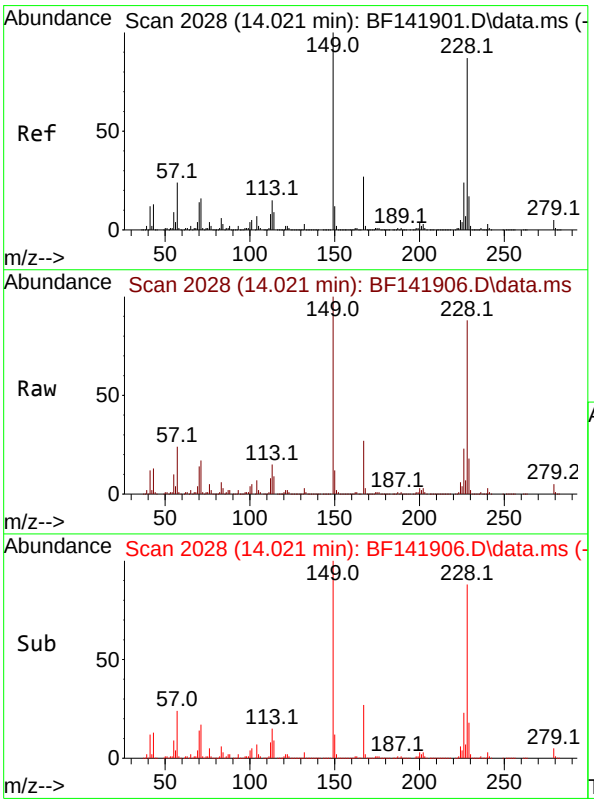
#83
Chrysene
Concen: 37.195 ng
RT: 14.068 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:228 Resp: 1159074

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.1	36.1
229	20.0	15.7	23.5

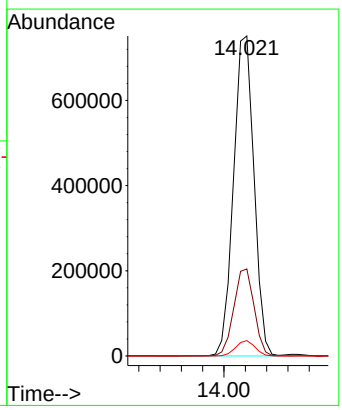


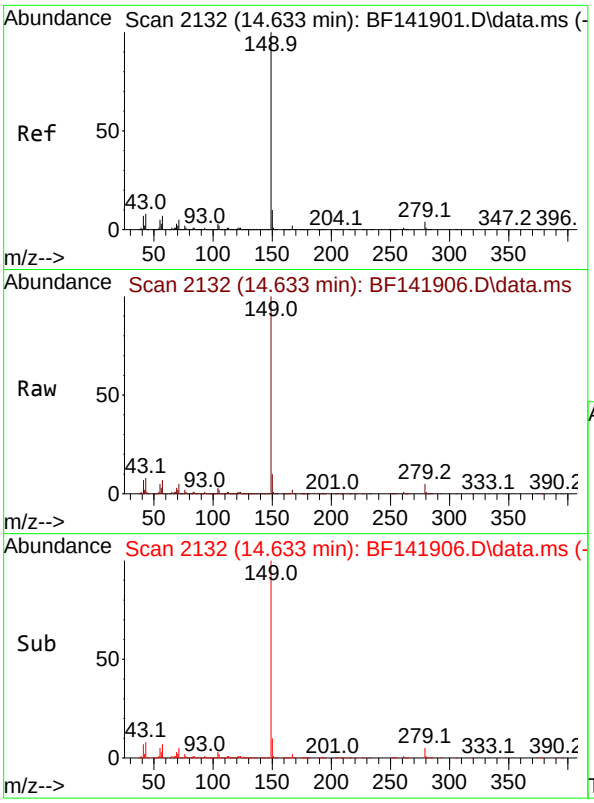


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.142 ng
RT: 14.021 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:149 Resp: 1006170

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.4	32.0
279	4.8	3.8	5.6



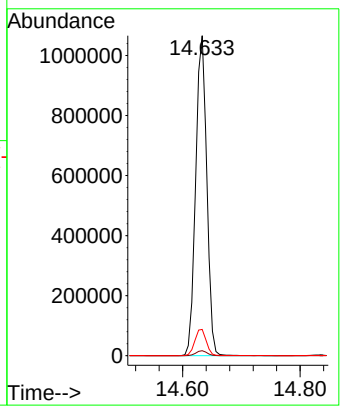


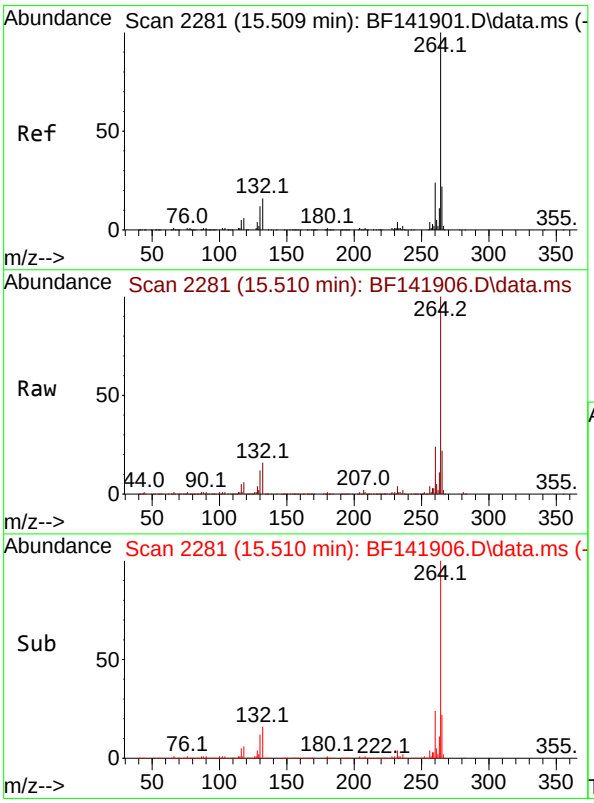
#85
Di-n-octyl phthalate
Concen: 40.971 ng
RT: 14.633 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:149 Resp: 1394136

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.5	6.9	10.3

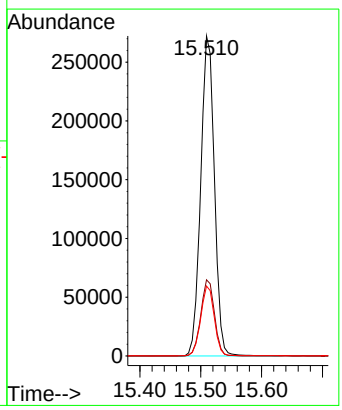


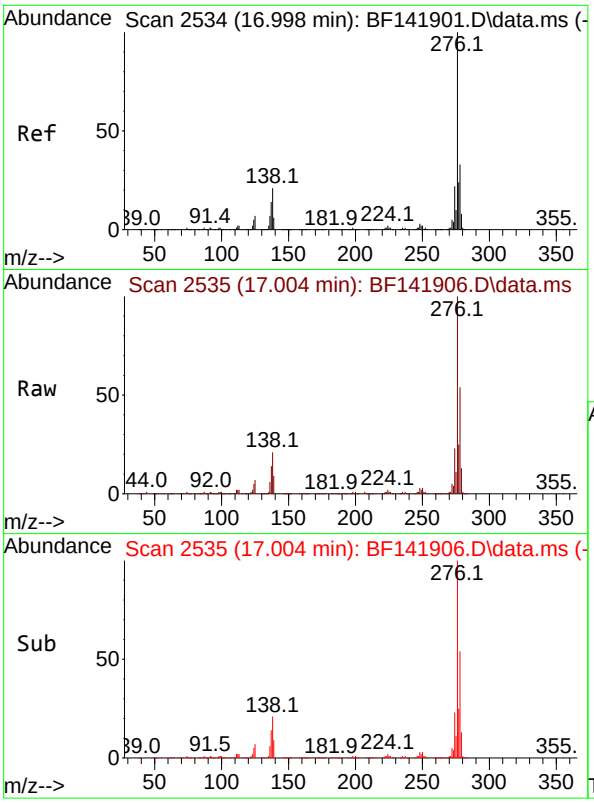


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:264 Resp: 426422

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.1	28.7
265	21.8	17.5	26.3



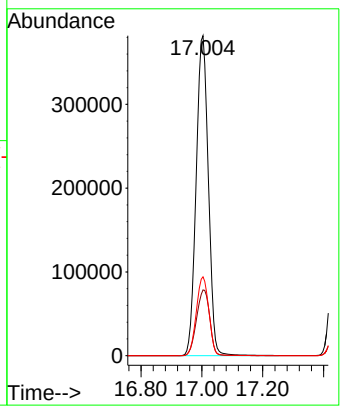


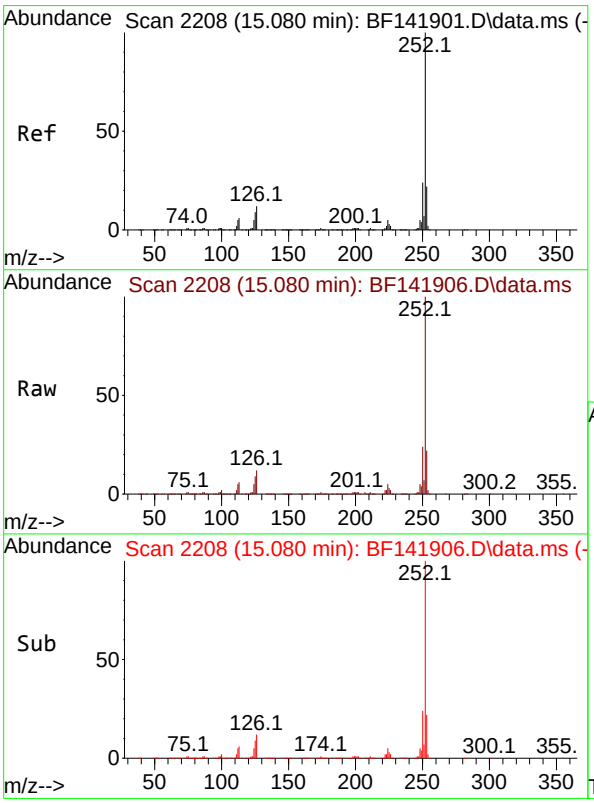
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.467 ng
RT: 17.004 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:276 Resp: 1061096

Ion	Ratio	Lower	Upper
276	100		
138	22.2	18.4	27.6
277	25.3	20.3	30.5

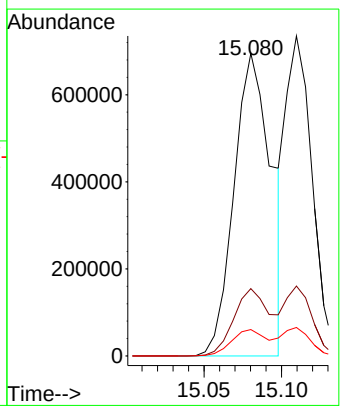


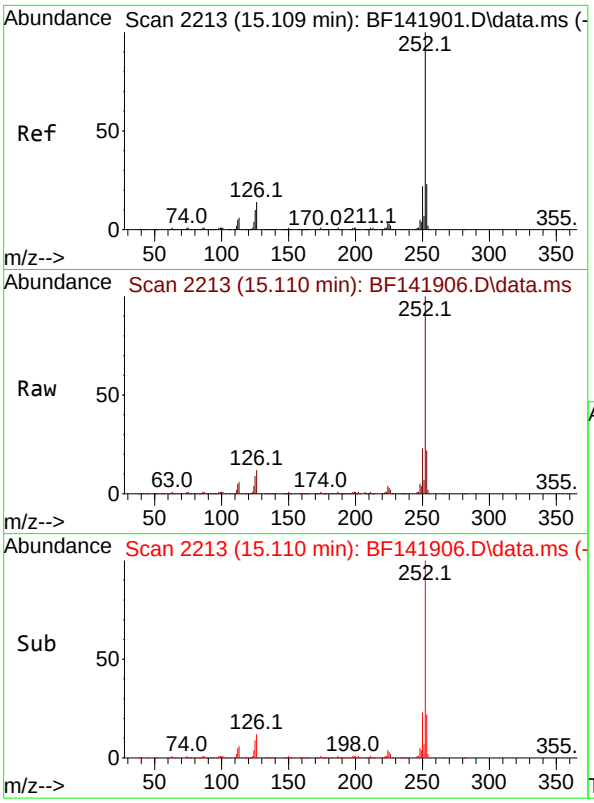


#88
Benzo(b)fluoranthene
Concen: 39.906 ng
RT: 15.080 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:252 Resp: 1166263

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	8.7	7.0	10.4



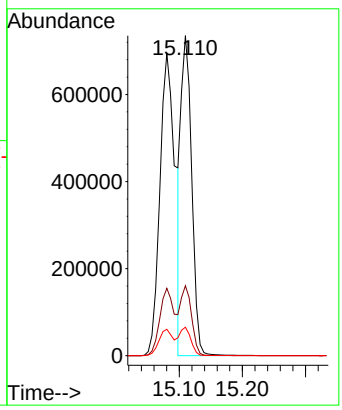


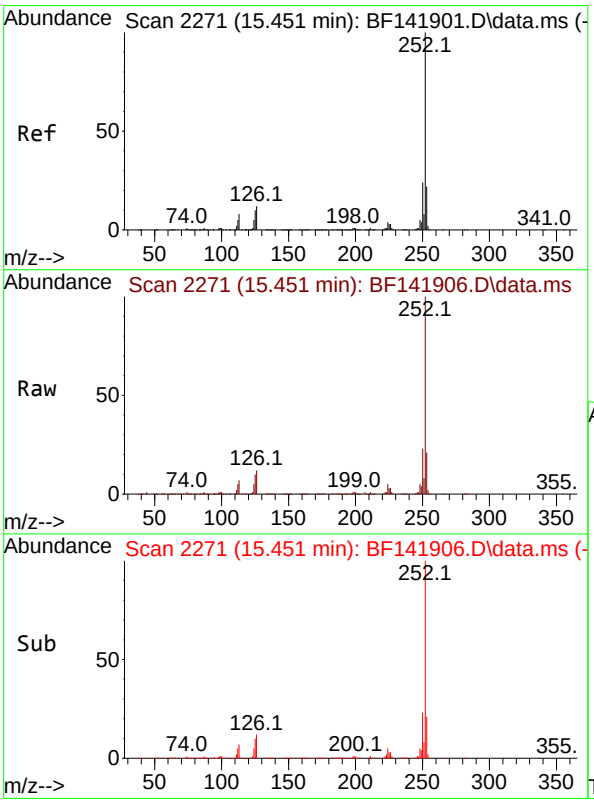
#89
Benzo(k)fluoranthene
Concen: 34.765 ng
RT: 15.110 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:252 Resp: 869471

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	8.9	7.2	10.8

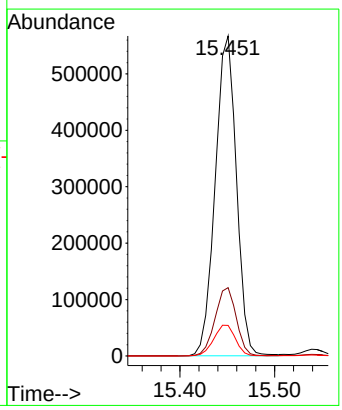


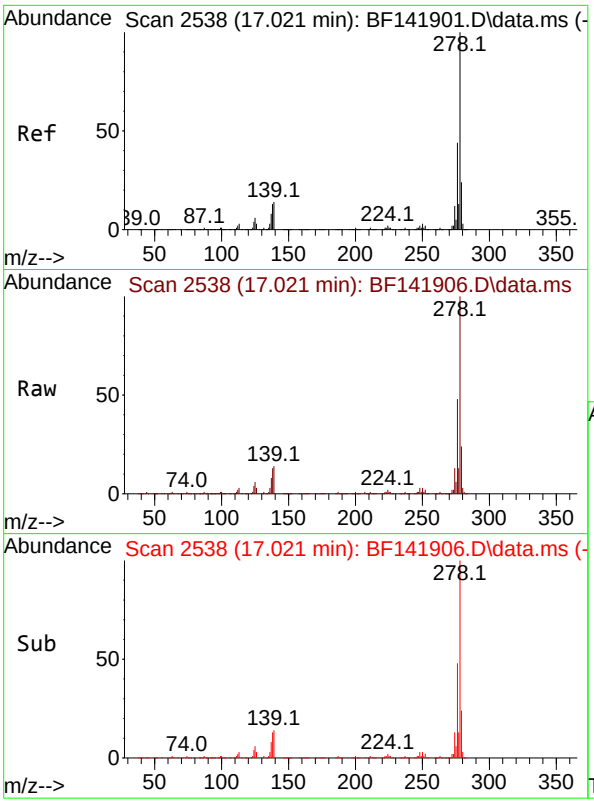


#90
Benzo(a)pyrene
Concen: 38.612 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:252 Resp: 882967

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.0
125	9.6	7.8	11.8



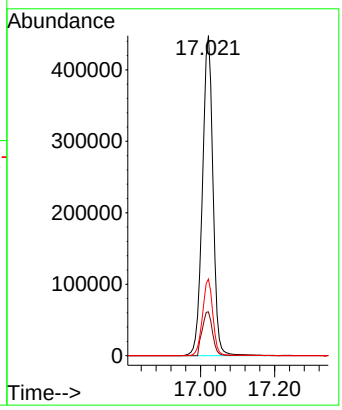


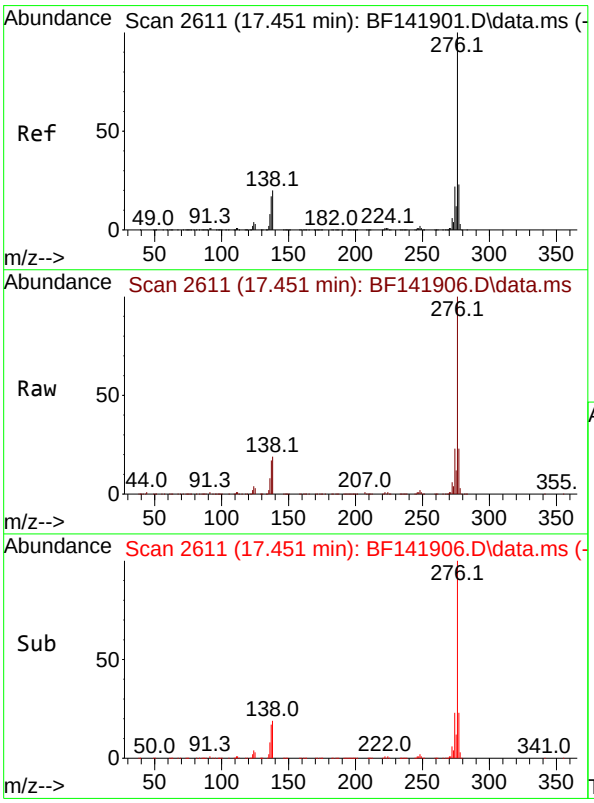
#91
Dibenzo(a,h)anthracene
Concen: 38.931 ng
RT: 17.021 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:278 Resp: 886038

Ion	Ratio	Lower	Upper
278	100		
139	13.7	11.4	17.2
279	23.9	18.8	28.2

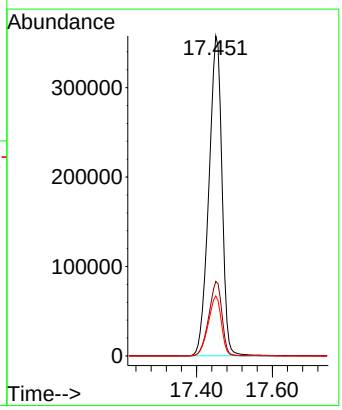




#92
Benzo(g,h,i)perylene
Concen: 38.051 ng
RT: 17.451 min Scan# 2611
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:276 Resp: 855812

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.7	28.1
138	18.7	15.8	23.8



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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	94	0.00
2		1,4-Dioxane	0.502	0.485	3.4	91	0.00
3		Pyridine	1.232	1.202	2.4	93	-0.01
4		n-Nitrosodimethylamine	0.587	0.572	2.6	92	0.00
5	S	2-Fluorophenol	1.198	1.151	3.9	94	0.00
6		Aniline	1.505	1.466	2.6	94	0.00
7	S	Phenol-d6	1.526	1.468	3.8	96	0.00
8		2-Chlorophenol	1.329	1.287	3.2	96	0.00
9		Benzaldehyde	0.853	0.810	5.0	98	0.00
10	C	Phenol	1.605	1.570	2.2	96	0.00
11		bis(2-Chloroethyl)ether	1.205	1.152	4.4	95	0.00
12		1,3-Dichlorobenzene	1.435	1.377	4.0	94	0.00
13	C	1,4-Dichlorobenzene	1.452	1.392	4.1	94	0.00
14		1,2-Dichlorobenzene	1.367	1.325	3.1	96	0.00
15		Benzyl Alcohol	1.233	1.215	1.5	96	0.00
16		2,2'-oxybis(1-Chloropropane	1.455	1.358	6.7	94	0.00
17		2-Methylphenol	1.057	1.024	3.1	96	0.00
18		Hexachloroethane	0.544	0.528	2.9	96	0.00
19	P	n-Nitroso-di-n-propylamine	0.980	0.932	4.9	96	0.00
20		3+4-Methylphenols	1.354	1.307	3.5	95	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	96	0.00
22		Acetophenone	0.479	0.451	5.8	94	0.00
23	S	Nitrobenzene-d5	0.355	0.351	1.1	97	0.00
24		Nitrobenzene	0.353	0.344	2.5	96	0.00
25		Isophorone	0.628	0.599	4.6	96	0.00
26	C	2-Nitrophenol	0.173	0.175	-1.2	96	0.00
27		2,4-Dimethylphenol	0.239	0.229	4.2	96	0.00
28		bis(2-Chloroethoxy)methane	0.394	0.374	5.1	97	0.00
29	C	2,4-Dichlorophenol	0.296	0.289	2.4	97	0.00
30		1,2,4-Trichlorobenzene	0.327	0.313	4.3	97	0.00
31		Naphthalene	1.027	0.972	5.4	95	0.00
32		Benzoic acid	0.210	0.222	-5.7	103	0.00
33		4-Chloroaniline	0.363	0.352	3.0	97	0.00
34	C	Hexachlorobutadiene	0.213	0.207	2.8	98	0.00
35		Caprolactam	0.090	0.084	6.7	96	0.00
36	C	4-Chloro-3-methylphenol	0.331	0.319	3.6	96	0.00
37		2-Methylnaphthalene	0.687	0.651	5.2	96	0.00
38		1-Methylnaphthalene	0.663	0.638	3.8	98	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	98	0.00
40		1,2,4,5-Tetrachlorobenzene	0.609	0.581	4.6	96	0.00
41	P	Hexachlorocyclopentadiene	0.238	0.228	4.2	89	0.00
42	S	2,4,6-Tribromophenol	0.254	0.252	0.8	98	0.00
43	C	2,4,6-Trichlorophenol	0.398	0.391	1.8	96	0.00
44		2,4,5-Trichlorophenol	0.403	0.386	4.2	97	0.00
45	S	2-Fluorobiphenyl	1.315	1.242	5.6	97	0.00
46		1,1'-Biphenyl	1.520	1.451	4.5	98	0.00
47		2-Chloronaphthalene	1.133	1.079	4.8	97	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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	0.328	0.319	2.7	97	0.00
49		Acenaphthylene	1.681	1.585	5.7	95	0.00
50		Dimethylphthalate	1.401	1.317	6.0	97	0.00
51		2,6-Dinitrotoluene	0.292	0.284	2.7	97	0.00
52	C	Acenaphthene	1.181	1.134	4.0	97	0.00
53		3-Nitroaniline	0.296	0.285	3.7	95	0.00
54	P	2,4-Dinitrophenol	0.139	0.148	-6.5	102	0.00
55		Dibenzofuran	1.688	1.594	5.6	97	0.00
56	P	4-Nitrophenol	0.223	0.220	1.3	94	0.00
57		2,4-Dinitrotoluene	0.381	0.374	1.8	98	0.00
58		Fluorene	1.302	1.216	6.6	97	0.00
59		2,3,4,6-Tetrachlorophenol	0.367	0.358	2.5	98	0.00
60		Diethylphthalate	1.397	1.338	4.2	98	0.00
61		4-Chlorophenyl-phenylether	0.679	0.649	4.4	99	0.00
62		4-Nitroaniline	0.288	0.280	2.8	95	0.00
63		Azobenzene	1.298	1.231	5.2	97	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	97	0.00
65		4,6-Dinitro-2-methylphenol	0.119	0.123	-3.4	99	0.00
66	c	n-Nitrosodiphenylamine	0.647	0.619	4.3	97	0.00
67		4-Bromophenyl-phenylether	0.251	0.245	2.4	97	0.00
68		Hexachlorobenzene	0.275	0.274	0.4	99	0.00
69		Atrazine	0.198	0.158	20.2	94	0.00
70	C	Pentachlorophenol	0.170	0.178	-4.7	97	0.00
71		Phenanthrene	1.080	1.036	4.1	97	0.00
72		Anthracene	1.084	1.029	5.1	95	0.00
73		Carbazole	0.935	0.892	4.6	95	0.00
74		Di-n-butylphthalate	1.240	1.200	3.2	99	0.00
75	C	Fluoranthene	1.146	1.076	6.1	94	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	92	0.00
77		Benzidine	0.279	0.401	-43.7#	103	0.00
78		Pyrene	1.730	1.667	3.6	95	0.00
79	S	Terphenyl-d14	1.353	1.349	0.3	97	0.00
80		Butylbenzylphthalate	0.677	0.690	-1.9	97	0.00
81		Benzo(a)anthracene	1.312	1.287	1.9	93	0.00
82		3,3'-Dichlorobenzidine	0.379	0.363	4.2	90	0.00
83		Chrysene	1.190	1.106	7.1	90	0.00
84		Bis(2-ethylhexyl)phthalate	0.934	0.960	-2.8	98	0.00
85	c	Di-n-octyl phthalate	1.299	1.331	-2.5	97	0.00
86	I	Perylene-d12	1.000	1.000	0.0	91	0.00
87		Indeno(1,2,3-cd)pyrene	1.294	1.244	3.9	88	0.00
88		Benzo(b)fluoranthene	1.371	1.367	0.3	103	0.00
89		Benzo(k)fluoranthene	1.173	1.019	13.1	77	0.00
90	C	Benzo(a)pyrene	1.073	1.035	3.5	91	0.00
91		Dibenzo(a,h)anthracene	1.067	1.039	2.6	88	0.00
92		Benzo(g,h,i)perylene	1.055	1.003	4.9	86	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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	94	0.00
2		1,4-Dioxane	40.000	38.670	3.3	91	0.00
3		Pyridine	40.000	39.050	2.4	93	-0.01
4		n-Nitrosodimethylamine	40.000	38.959	2.6	92	0.00
5	S	2-Fluorophenol	80.000	76.823	4.0	94	0.00
6		Aniline	40.000	38.958	2.6	94	0.00
7	S	Phenol-d6	80.000	76.962	3.8	96	0.00
8		2-Chlorophenol	40.000	38.721	3.2	96	0.00
9		Benzaldehyde	40.000	37.950	5.1	98	0.00
10	C	Phenol	40.000	39.115	2.2	96	0.00
11		bis(2-Chloroethyl)ether	40.000	38.246	4.4	95	0.00
12		1,3-Dichlorobenzene	40.000	38.391	4.0	94	0.00
13	C	1,4-Dichlorobenzene	40.000	38.366	4.1	94	0.00
14		1,2-Dichlorobenzene	40.000	38.744	3.1	96	0.00
15		Benzyl Alcohol	40.000	39.408	1.5	96	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.338	6.7	94	0.00
17		2-Methylphenol	40.000	38.775	3.1	96	0.00
18		Hexachloroethane	40.000	38.797	3.0	96	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.038	4.9	96	0.00
20		3+4-Methylphenols	40.000	38.619	3.5	95	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	96	0.00
22		Acetophenone	40.000	37.650	5.9	94	0.00
23	S	Nitrobenzene-d5	80.000	78.962	1.3	97	0.00
24		Nitrobenzene	40.000	38.980	2.6	96	0.00
25		Isophorone	40.000	38.163	4.6	96	0.00
26	C	2-Nitrophenol	40.000	40.429	-1.1	96	0.00
27		2,4-Dimethylphenol	40.000	38.414	4.0	96	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.943	5.1	97	0.00
29	C	2,4-Dichlorophenol	40.000	38.952	2.6	97	0.00
30		1,2,4-Trichlorobenzene	40.000	38.336	4.2	97	0.00
31		Naphthalene	40.000	37.827	5.4	95	0.00
32		Benzoic acid	40.000	42.303	-5.8	103	0.00
33		4-Chloroaniline	40.000	38.847	2.9	97	0.00
34	C	Hexachlorobutadiene	40.000	38.849	2.9	98	0.00
35		Caprolactam	40.000	37.276	6.8	96	0.00
36	C	4-Chloro-3-methylphenol	40.000	38.550	3.6	96	0.00
37		2-Methylnaphthalene	40.000	37.935	5.2	96	0.00
38		1-Methylnaphthalene	40.000	38.484	3.8	98	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	98	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.191	4.5	96	0.00
41	P	Hexachlorocyclopentadiene	40.000	38.281	4.3	89	0.00
42	S	2,4,6-Tribromophenol	80.000	79.342	0.8	98	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.292	1.8	96	0.00
44		2,4,5-Trichlorophenol	40.000	38.263	4.3	97	0.00
45	S	2-Fluorobiphenyl	80.000	75.528	5.6	97	0.00
46		1,1'-Biphenyl	40.000	38.182	4.5	98	0.00
47		2-Chloronaphthalene	40.000	38.090	4.8	97	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	38.908	2.7	97	0.00
49		Acenaphthylene	40.000	37.725	5.7	95	0.00
50		Dimethylphthalate	40.000	37.611	6.0	97	0.00
51		2,6-Dinitrotoluene	40.000	38.970	2.6	97	0.00
52	C	Acenaphthene	40.000	38.405	4.0	97	0.00
53		3-Nitroaniline	40.000	38.561	3.6	95	0.00
54	P	2,4-Dinitrophenol	40.000	39.326	1.7	102	0.00
55		Dibenzofuran	40.000	37.778	5.6	97	0.00
56	P	4-Nitrophenol	40.000	39.425	1.4	94	0.00
57		2,4-Dinitrotoluene	40.000	39.291	1.8	98	0.00
58		Fluorene	40.000	37.381	6.5	97	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.070	2.3	98	0.00
60		Diethylphthalate	40.000	38.337	4.2	98	0.00
61		4-Chlorophenyl-phenylether	40.000	38.272	4.3	99	0.00
62		4-Nitroaniline	40.000	38.953	2.6	95	0.00
63		Azobenzene	40.000	37.911	5.2	97	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	97	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.415	-3.5	99	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.283	4.3	97	0.00
67		4-Bromophenyl-phenylether	40.000	39.015	2.5	97	0.00
68		Hexachlorobenzene	40.000	39.789	0.5	99	0.00
69		Atrazine	40.000	31.945	20.1	94	0.00
70	C	Pentachlorophenol	40.000	41.955	-4.9	97	0.00
71		Phenanthrene	40.000	38.357	4.1	97	0.00
72		Anthracene	40.000	37.991	5.0	95	0.00
73		Carbazole	40.000	38.167	4.6	95	0.00
74		Di-n-butylphthalate	40.000	38.717	3.2	99	0.00
75	C	Fluoranthene	40.000	37.545	6.1	94	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	92	0.00
77		Benzidine	40.000	57.513	-43.8#	103	0.00
78		Pyrene	40.000	38.539	3.7	95	0.00
79	S	Terphenyl-d14	80.000	79.748	0.3	97	0.00
80		Butylbenzylphthalate	40.000	40.778	-1.9	97	0.00
81		Benzo(a)anthracene	40.000	39.211	2.0	93	0.00
82		3,3'-Dichlorobenzidine	40.000	38.337	4.2	90	0.00
83		Chrysene	40.000	37.195	7.0	90	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.142	-2.9	98	0.00
85	c	Di-n-octyl phthalate	40.000	40.971	-2.4	97	0.00
86	I	Perylene-d12	20.000	20.000	0.0	91	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	38.467	3.8	88	0.00
88		Benzo(b)fluoranthene	40.000	39.906	0.2	103	0.00
89		Benzo(k)fluoranthene	40.000	34.765	13.1	77	0.00
90	C	Benzo(a)pyrene	40.000	38.612	3.5	91	0.00
91		Dibenzo(a,h)anthracene	40.000	38.931	2.7	88	0.00
92		Benzo(g,h,i)perylene	40.000	38.051	4.9	86	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Raw Data: **BF141858.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1492 SAS No.: Q1492 SDG No.: Q1492

Instrument ID: BNA_F Calibration Date/Time: 03/06/2025 09:52

Lab File ID: BF141858.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
2-Fluorophenol	1.252	1.263		0.9	
Phenol-d6	1.630	1.584		-2.8	
Nitrobenzene-d5	0.313	0.382		22.0	
Naphthalene	1.028	1.054		2.5	
2-Fluorobiphenyl	1.247	1.292		3.6	
Acenaphthylene	1.685	1.735		3.0	
Acenaphthene	1.137	1.209		6.3	20.0
Fluorene	1.239	1.270		2.5	
2,4,6-Tribromophenol	0.188	0.224		19.1	
Phenanthrene	1.070	1.115		4.2	
Anthracene	1.072	1.115		4.0	
Fluoranthene	1.096	1.142		4.2	20.0
Pyrene	1.732	1.820		5.1	
Terphenyl-d14	1.236	1.301		5.3	
Benzo(a)anthracene	1.321	1.360		3.0	
Chrysene	1.218	1.218		0.0	
Benzo(b)fluoranthene	1.362	1.388		1.9	
Benzo(k)fluoranthene	1.158	1.073		-7.3	
Benzo(a)pyrene	1.093	1.113		1.8	20.0
Indeno(1,2,3-cd)pyrene	1.274	1.507		18.3	
Dibenzo(a,h)anthracene	1.040	1.220		17.3	
Benzo(g,h,i)perylene	1.065	1.282		20.4	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141858.D
Acq On : 06 Mar 2025 09:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Mar 06 10:25:20 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	207866	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	779725	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	422269	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	691934	20.000	ng	0.00
76) Chrysene-d12	14.045	240	434521	20.000	ng	0.00
86) Perylene-d12	15.515	264	382575	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1050190	80.684	ng	0.00
7) Phenol-d6	6.510	99	1317214	77.750	ng	0.00
23) Nitrobenzene-d5	7.445	82	1192671	97.772	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	378753	95.540	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2181831	82.849	ng	0.00
79) Terphenyl-d14	12.986	244	2261369	84.201	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.663	88	231018	39.116	ng	97
3) Pyridine	3.434	79	570443	38.819	ng	97
4) n-Nitrosodimethylamine	3.381	42	275112	38.909	ng	98
6) Aniline	6.551	93	662584	37.619	ng	99
8) 2-Chlorophenol	6.669	128	567877	40.331	ng	99
9) Benzaldehyde	6.439	77	351965	35.716	ng	96
10) Phenol	6.522	94	703333	38.850	ng	99
11) bis(2-Chloroethyl)ether	6.622	93	517816	37.524	ng	97
12) 1,3-Dichlorobenzene	6.828	146	605732	40.171	ng	100
13) 1,4-Dichlorobenzene	6.904	146	625404	41.163	ng	99
14) 1,2-Dichlorobenzene	7.057	146	568001	40.035	ng	99
15) Benzyl Alcohol	7.022	79	524097	38.708	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	691607	33.001	ng	97
17) 2-Methylphenol	7.128	107	447215	38.479	ng	99
18) Hexachloroethane	7.398	117	230292	40.497	ng	98
19) n-Nitroso-di-n-propyla...	7.298	70	393107	35.298	ng	98
20) 3+4-Methylphenols	7.281	107	568081	39.253	ng	95
22) Acetophenone	7.292	105	764218	40.243	ng	100
24) Nitrobenzene	7.469	77	596360	45.653	ng	97
25) Isophorone	7.704	82	990974	37.814	ng	98
26) 2-Nitrophenol	7.781	139	292782	49.968	ng	99
27) 2,4-Dimethylphenol	7.810	122	394540	40.956	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	642746	38.448	ng	99
29) 2,4-Dichlorophenol	8.016	162	475671	42.802	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	518388	42.568	ng	99
31) Naphthalene	8.192	128	1644085	41.026	ng	99
32) Benzoic acid	7.916	122	390032	48.428	ng	98
33) 4-Chloroaniline	8.233	127	583547	39.713	ng	99
34) Hexachlorobutadiene	8.304	225	324659	42.902	ng	99
35) Caprolactam	8.598	113	144396	42.235	ng	89
36) 4-Chloro-3-methylphenol	8.704	107	514325	41.661	ng	99
37) 2-Methylnaphthalene	8.880	142	1066438	40.571	ng	99
38) 1-Methylnaphthalene	8.980	142	1024218	40.609	ng	98
40) 1,2,4,5-Tetrachloroben...	9.045	216	513015	42.066	ng	99
41) Hexachlorocyclopentadiene	9.033	237	224284	44.067	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	336951	42.772	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141858.D
Acq On : 06 Mar 2025 09:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Mar 06 10:25:20 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

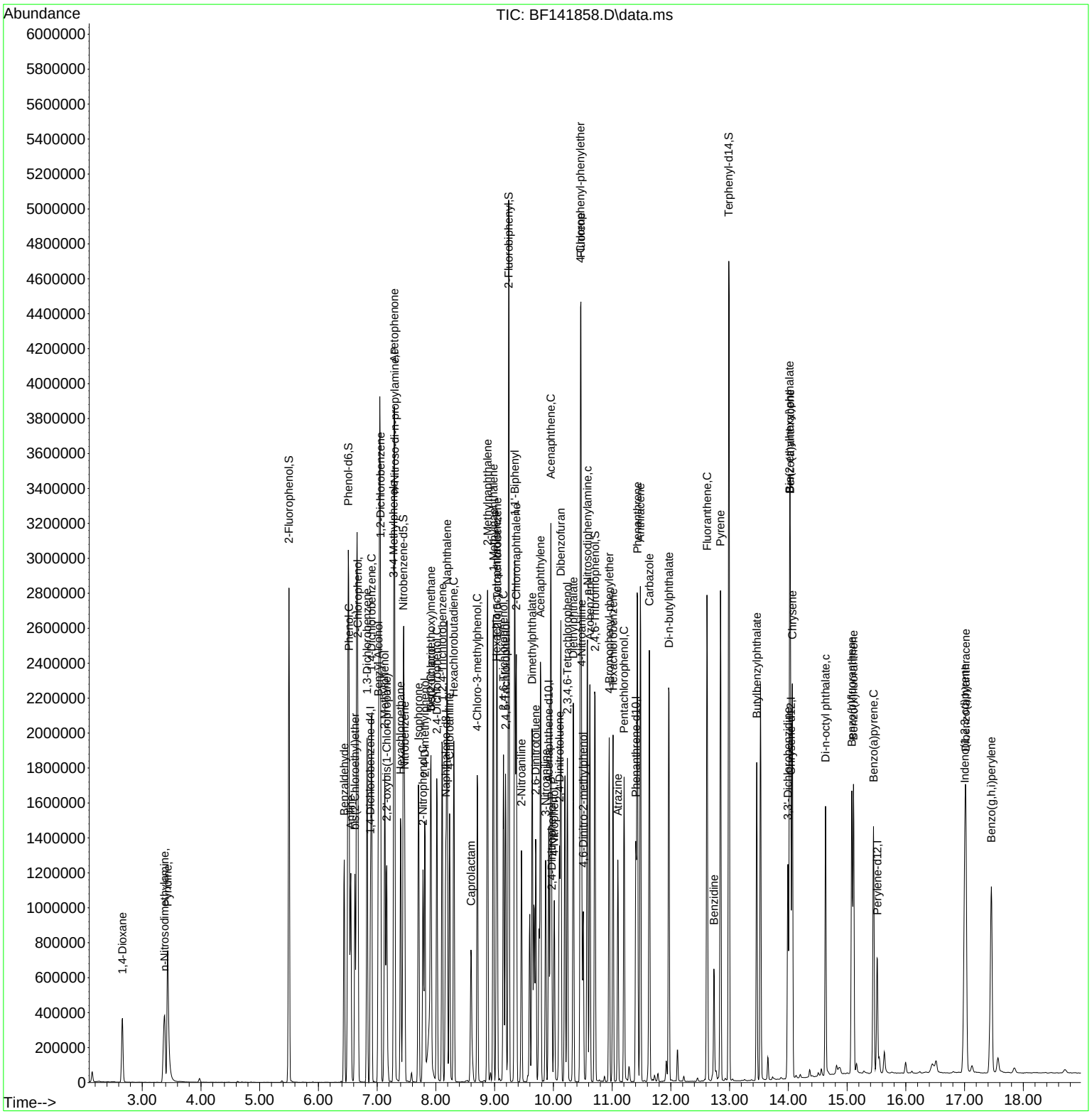
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	349000	44.739	ng		98
46) 1,1'-Biphenyl	9.345	154	1317612	40.994	ng		99
47) 2-Chloronaphthalene	9.369	162	977366	41.199	ng		99
48) 2-Nitroaniline	9.457	65	301038	46.508	ng		95
49) Acenaphthylene	9.780	152	1465550	41.204	ng		99
50) Dimethylphthalate	9.639	163	1150740	40.693	ng		100
51) 2,6-Dinitrotoluene	9.698	165	253007	46.842	ng		96
52) Acenaphthene	9.957	154	1020635	42.527	ng		99
53) 3-Nitroaniline	9.869	138	265149	46.137	ng	#	95
54) 2,4-Dinitrophenol	9.975	184	134035	59.722	ng	#	1
55) Dibenzofuran	10.127	168	1420674	40.671	ng		100
56) 4-Nitrophenol	10.016	139	221169	52.954	ng		97
57) 2,4-Dinitrotoluene	10.104	165	334417	50.419	ng		90
58) Fluorene	10.469	166	1072855	41.003	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	306137	45.123	ng		100
60) Diethylphthalate	10.339	149	1135424	40.052	ng		99
61) 4-Chlorophenyl-phenyle...	10.463	204	540721	41.246	ng		98
62) 4-Nitroaniline	10.480	138	259275	53.688	ng		97
63) Azobenzene	10.622	77	1146863	38.422	ng		98
65) 4,6-Dinitro-2-methylph...	10.510	198	182658	54.694	ng		90
66) n-Nitrosodiphenylamine	10.580	169	927726	40.832	ng		99
67) 4-Bromophenyl-phenylether	10.951	248	336262	41.606	ng		98
68) Hexachlorobenzene	11.016	284	367747	43.090	ng		98
69) Atrazine	11.098	200	214392	34.313	ng		98
70) Pentachlorophenol	11.204	266	256754	47.434	ng		99
71) Phenanthrene	11.433	178	1542542	41.677	ng		99
72) Anthracene	11.480	178	1542354	41.580	ng		99
73) Carbazole	11.633	167	1367611	41.751	ng		100
74) Di-n-butylphthalate	11.969	149	1643939	39.592	ng		99
75) Fluoranthene	12.616	202	1579732	41.655	ng		98
77) Benzidine	12.733	184	350744	64.132	ng		100
78) Pyrene	12.845	202	1581543	42.032	ng		99
80) Butylbenzylphthalate	13.463	149	565050	41.333	ng		97
81) Benzo(a)anthracene	14.033	228	1181513	41.166	ng		99
82) 3,3'-Dichlorobenzidine	13.992	252	352265	42.780	ng		100
83) Chrysene	14.068	228	1058301	40.001	ng		99
84) Bis(2-ethylhexyl)phtha...	14.021	149	694013	40.771	ng		99
85) Di-n-octyl phthalate	14.633	149	1010509	39.653	ng		97
87) Indeno(1,2,3-cd)pyrene	17.003	276	1152756	47.319	ng		97
88) Benzo(b)fluoranthene	15.080	252	1062079	40.755	ng		99
89) Benzo(k)fluoranthene	15.110	252	821007	37.066	ng		99
90) Benzo(a)pyrene	15.451	252	851884	40.761	ng		99
91) Dibenzo(a,h)anthracene	17.021	278	933839	46.962	ng		98
92) Benzo(g,h,i)perylene	17.456	276	980552	48.133	ng		97

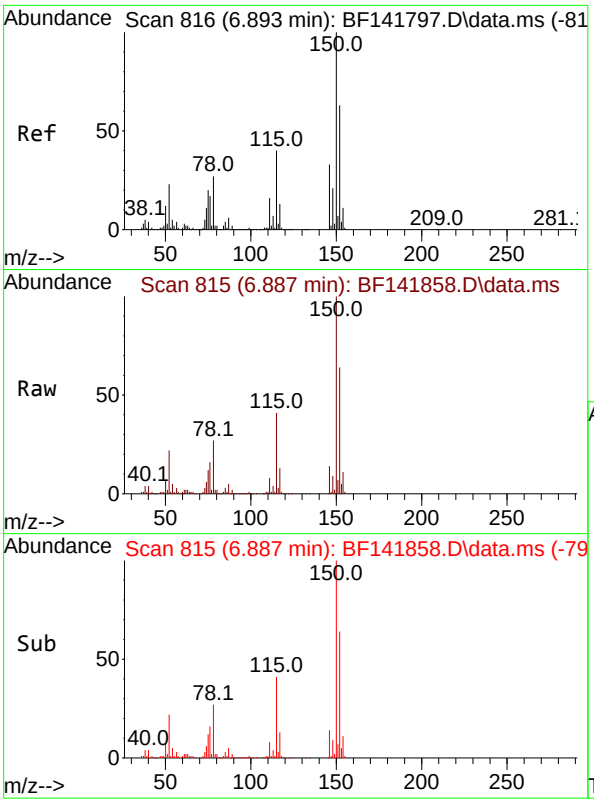
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF141858.D
Acq On : 06 Mar 2025 09:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Mar 06 10:25:20 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



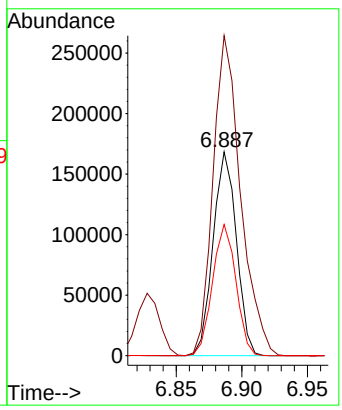


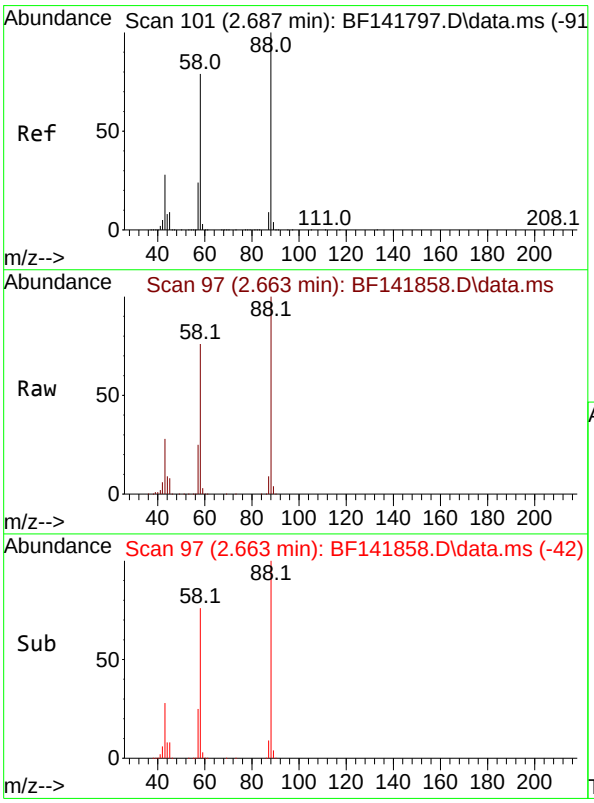
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 207866

Ion	Ratio	Lower	Upper
152	100		
150	157.0	127.5	191.3
115	64.3	51.4	77.2

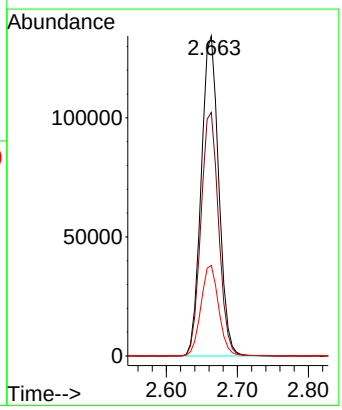


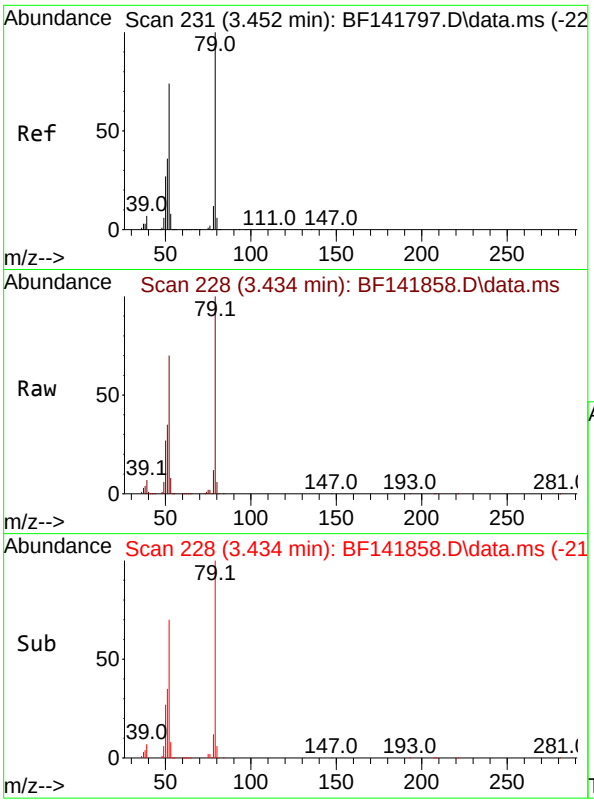


#2
1,4-Dioxane
Concen: 39.116 ng
RT: 2.663 min Scan# 97
Delta R.T. -0.024 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion: 88 Resp: 231018

Ion	Ratio	Lower	Upper
88	100		
58	76.7	63.9	95.9
43	28.9	23.0	34.6



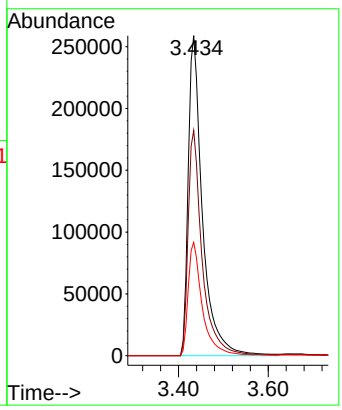


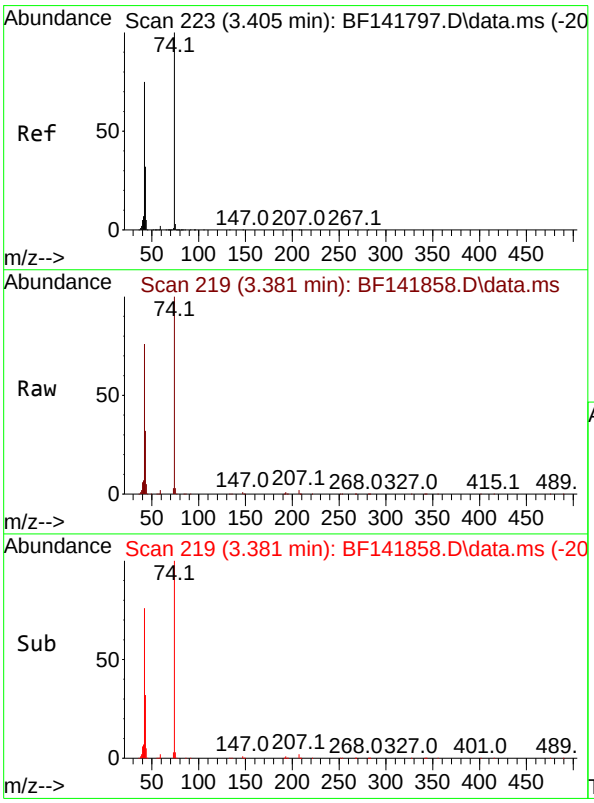
#3
Pyridine
Concen: 38.819 ng
RT: 3.434 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 570443

Ion	Ratio	Lower	Upper
79	100		
52	70.4	59.0	88.4
51	35.4	29.0	43.4

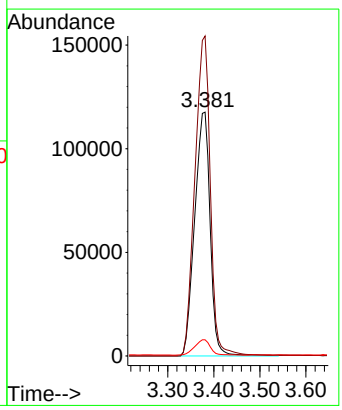


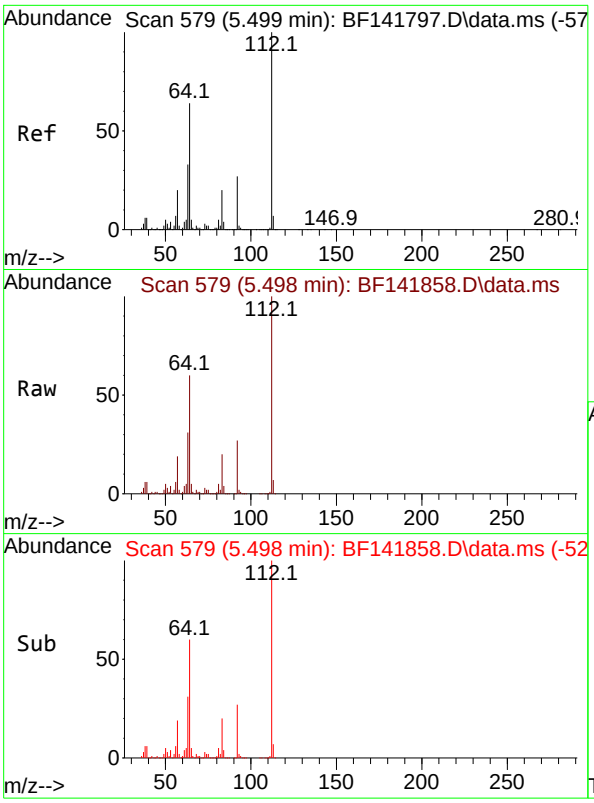


#4
n-Nitrosodimethylamine
Concen: 38.909 ng
RT: 3.381 min Scan# 219
Delta R.T. -0.024 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion: 42 Resp: 275112

Ion	Ratio	Lower	Upper
42	100		
74	131.2	107.1	160.7
44	6.6	6.6	9.8



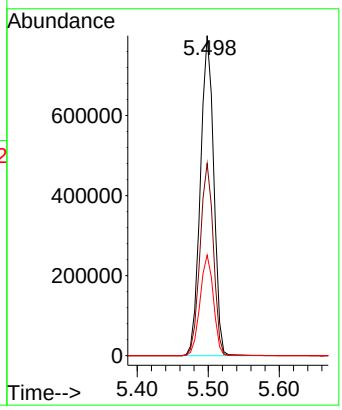


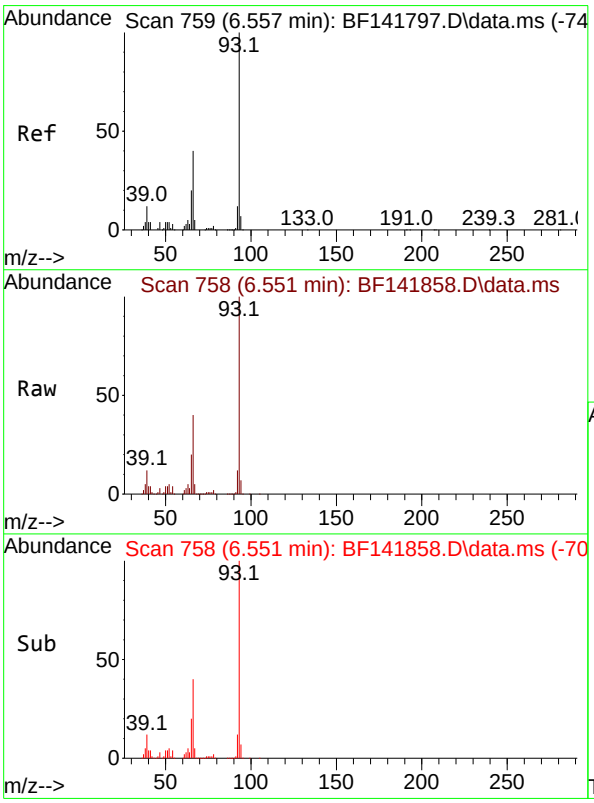
#5
2-Fluorophenol
Concen: 80.684 ng
RT: 5.498 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 1050190

Ion	Ratio	Lower	Upper
112	100		
64	60.0	51.3	76.9
63	31.5	26.2	39.4

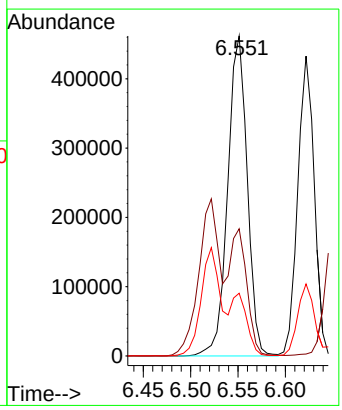


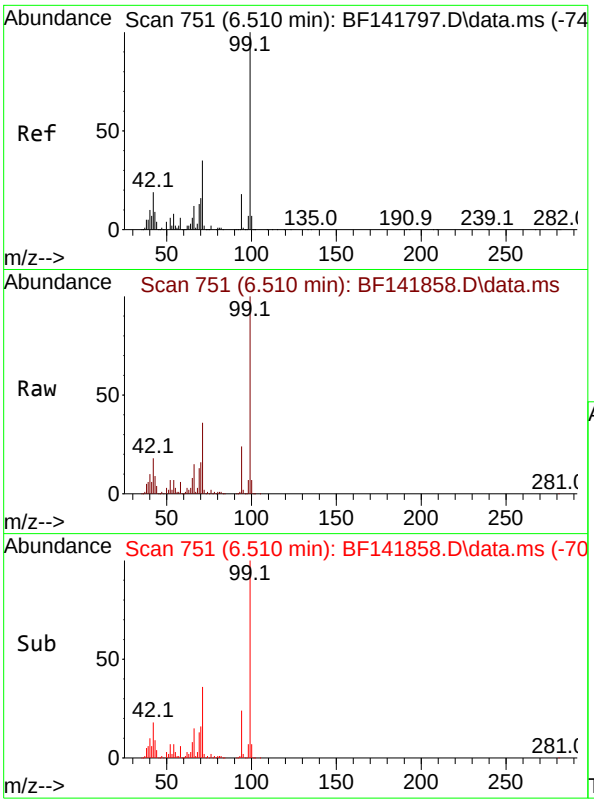


#6
Aniline
Concen: 37.619 ng
RT: 6.551 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion: 93 Resp: 662584

Ion	Ratio	Lower	Upper
93	100		
66	39.7	32.3	48.5
65	19.6	15.9	23.9



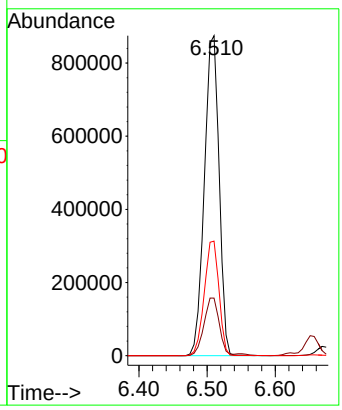


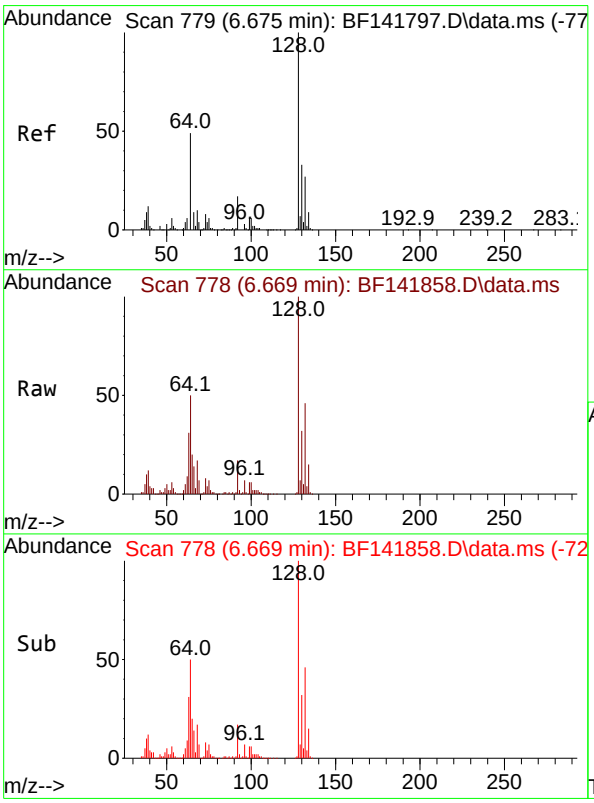
#7
Phenol-d6
Concen: 77.750 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 1317214

Ion	Ratio	Lower	Upper
99	100		
42	18.0	15.2	22.8
71	35.8	28.2	42.2

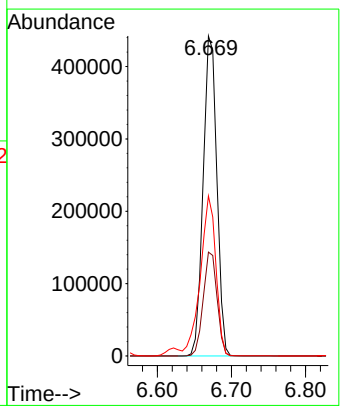


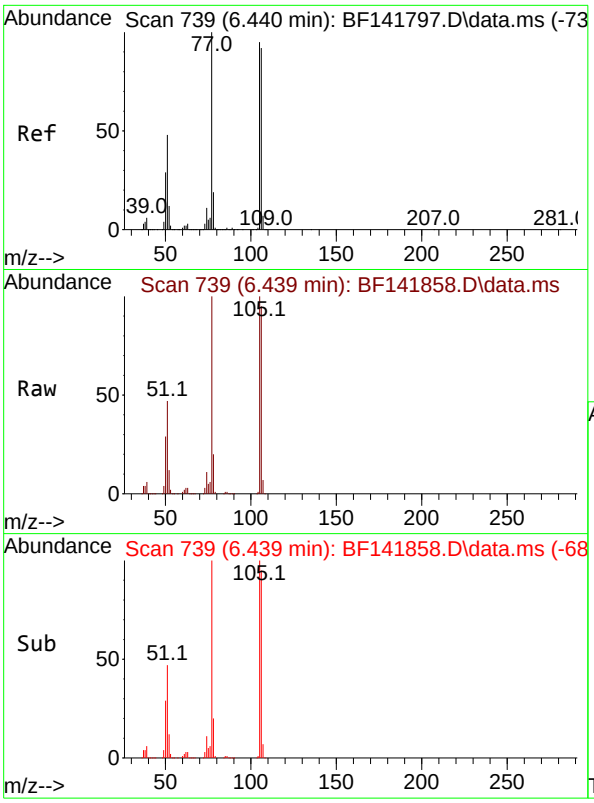


#8
2-Chlorophenol
Concen: 40.331 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:128 Resp: 567877

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.6	52.6
64	50.0	31.1	71.1



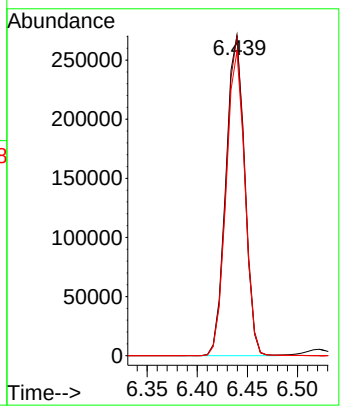


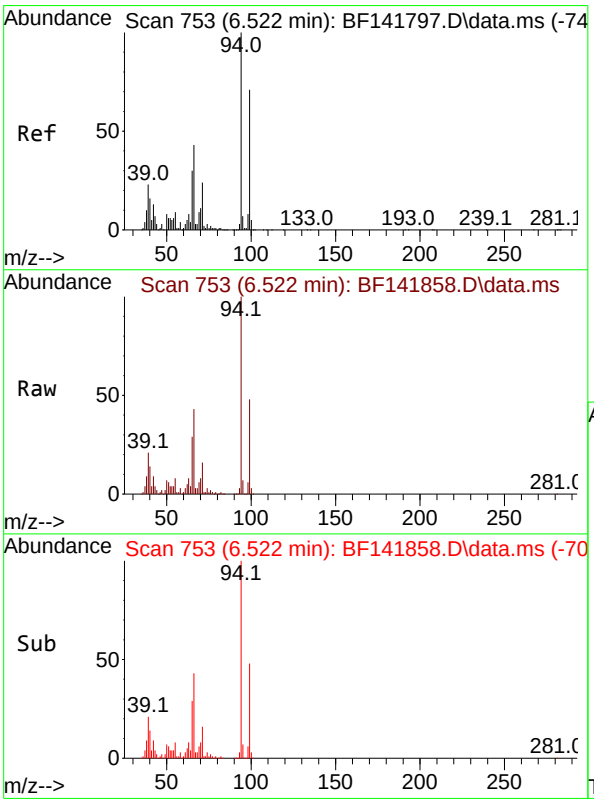
#9
Benzaldehyde
Concen: 35.716 ng
RT: 6.439 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 351965

Ion	Ratio	Lower	Upper
77	100		
105	99.8	75.3	115.3
106	95.1	72.3	112.3

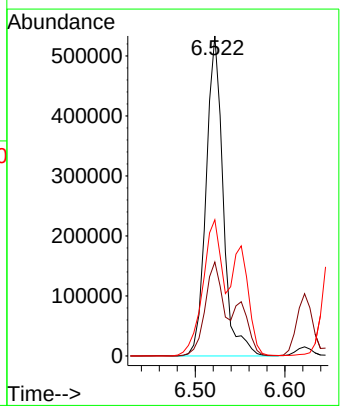


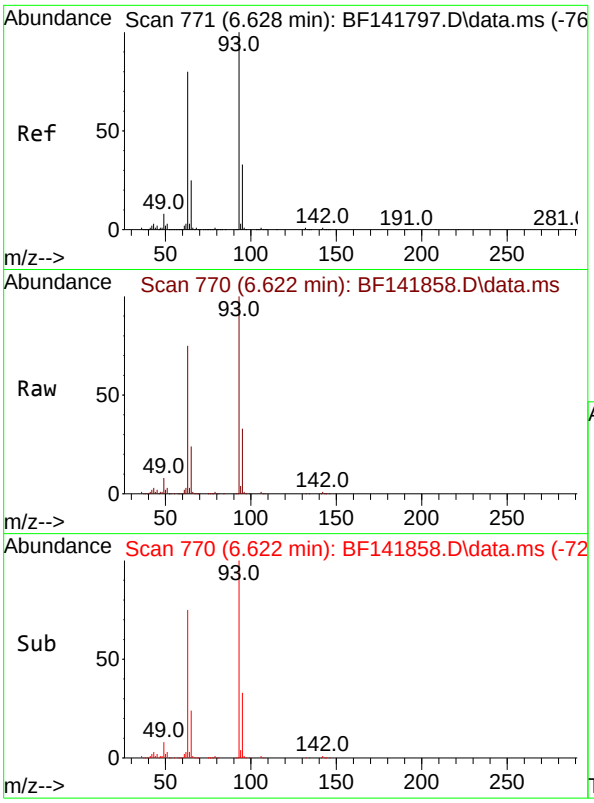


#10
Phenol
Concen: 38.850 ng
RT: 6.522 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion: 94 Resp: 703333

Ion	Ratio	Lower	Upper
94	100		
65	29.3	10.2	50.2
66	42.5	23.2	63.2



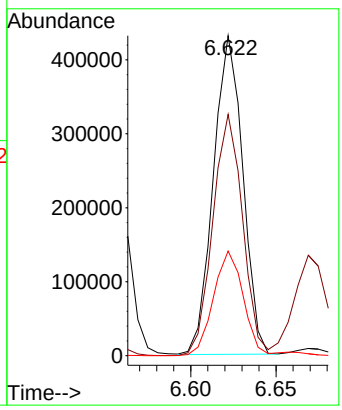


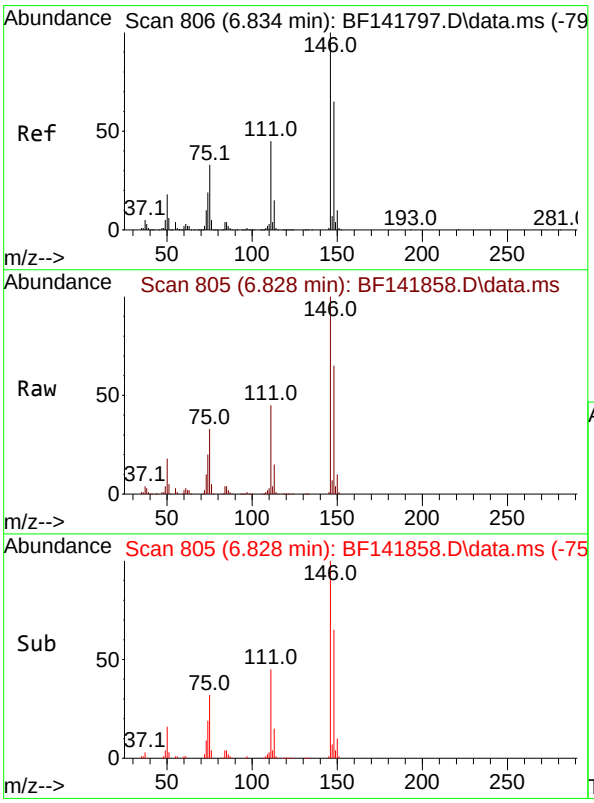
#11
bis(2-Chloroethyl)ether
Concen: 37.524 ng
RT: 6.622 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 517816

Ion	Ratio	Lower	Upper
93	100		
63	75.4	59.3	99.3
95	32.7	13.2	53.2

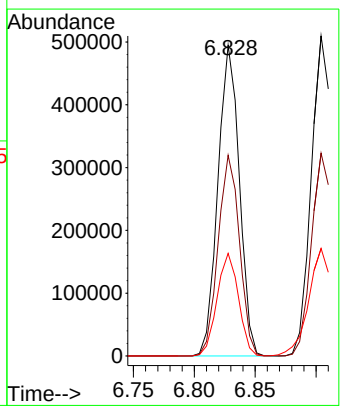


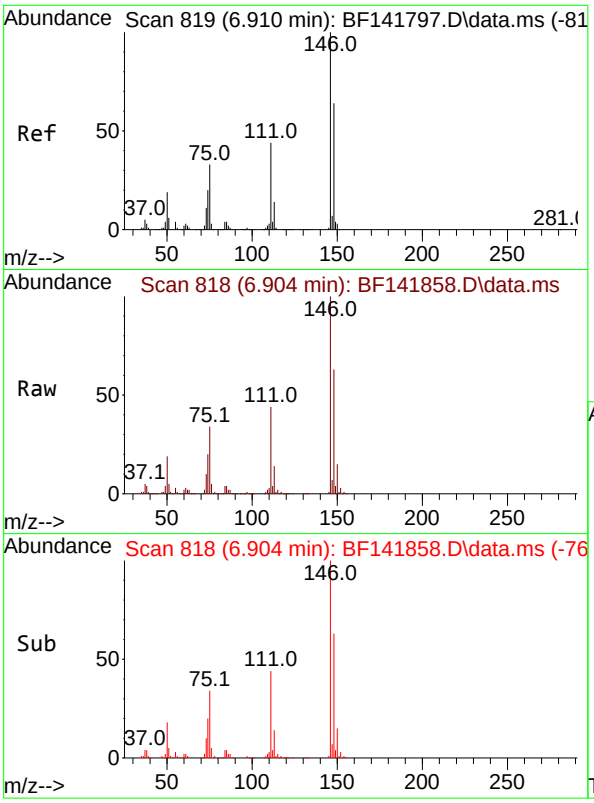


#12
1,3-Dichlorobenzene
Concen: 40.171 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:146 Resp: 605732

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.8	77.6
75	33.0	26.2	39.4



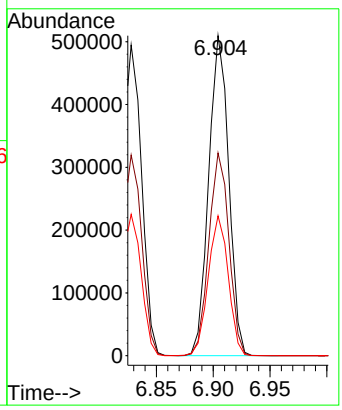


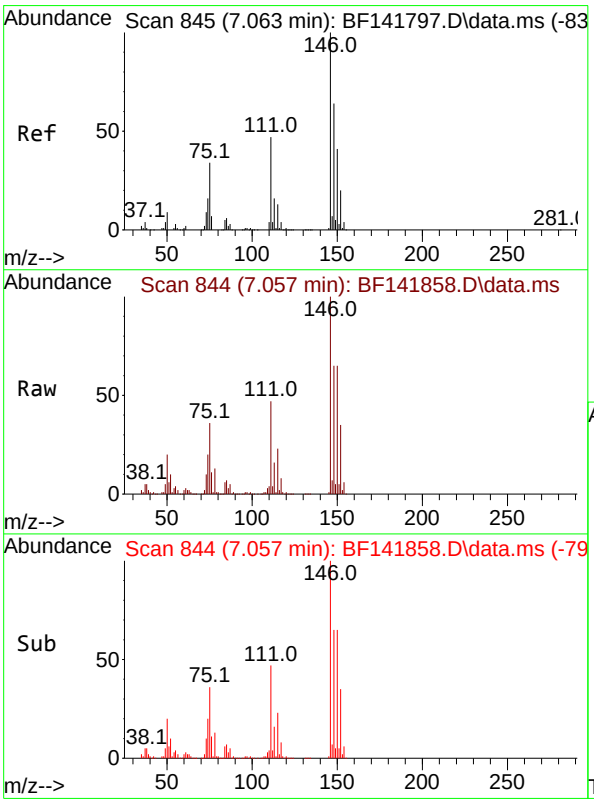
#13
1,4-Dichlorobenzene
Concen: 41.163 ng
RT: 6.904 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 625404

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.4	77.2
111	43.7	35.5	53.3

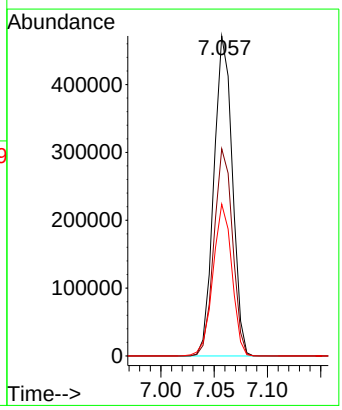


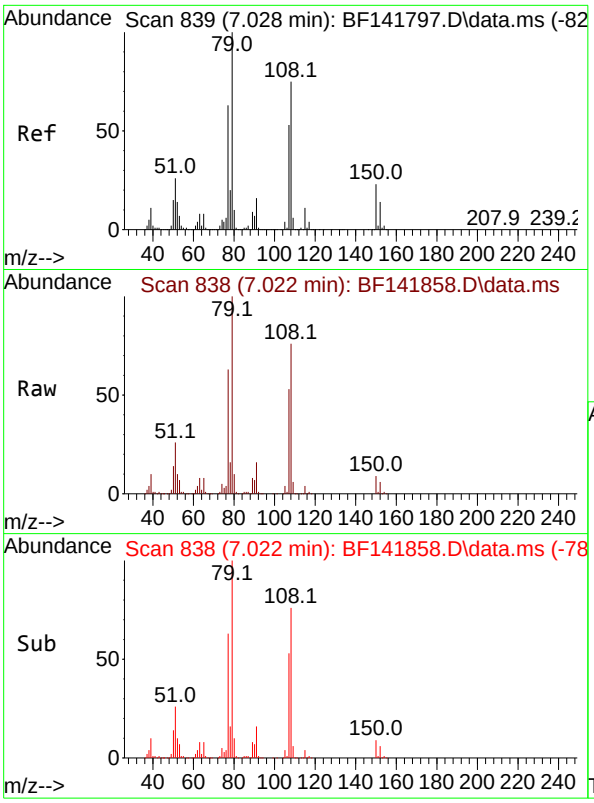


#14
1,2-Dichlorobenzene
Concen: 40.035 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:146 Resp: 568001

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.2	76.8
111	47.5	37.8	56.6



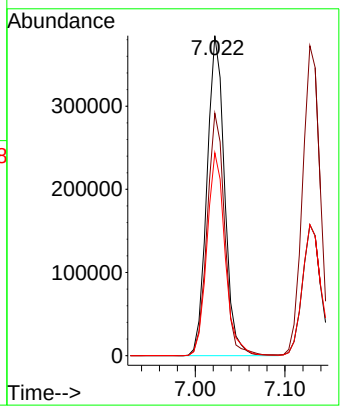


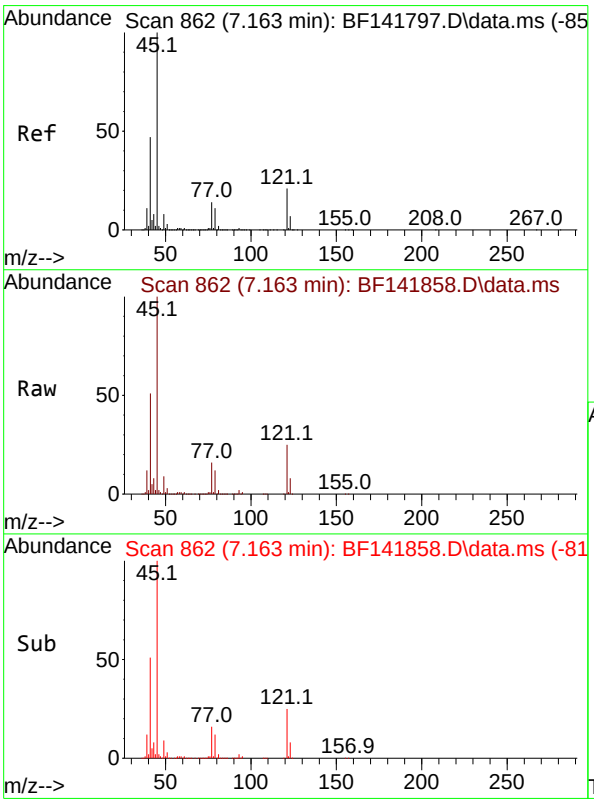
#15
Benzyl Alcohol
Concen: 38.708 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 524097

Ion	Ratio	Lower	Upper
79	100		
108	75.8	60.2	90.2
77	63.4	50.2	75.2

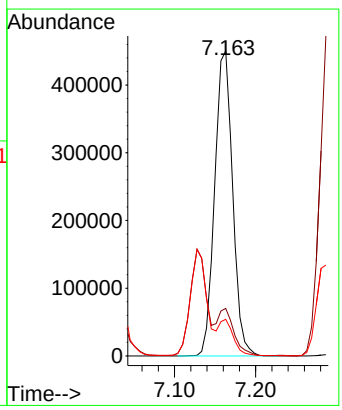


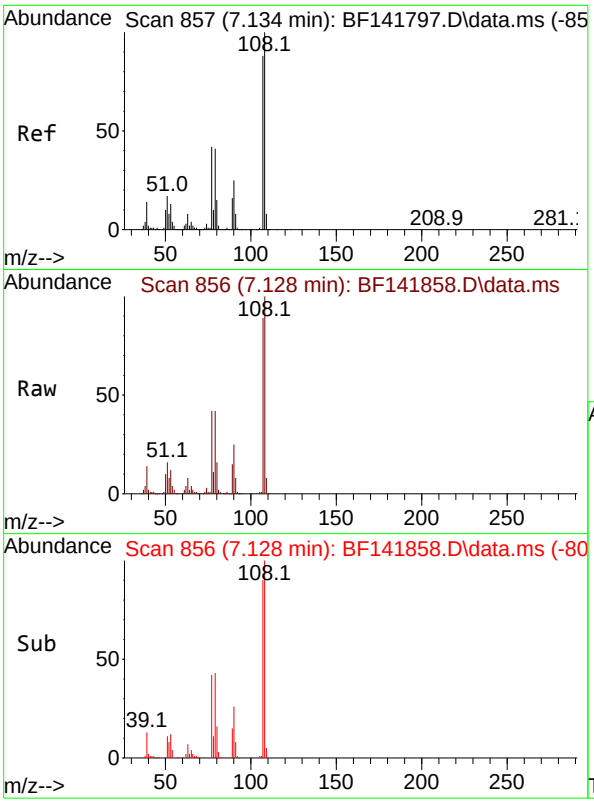


#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.001 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.000 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion: 45 Resp: 691607

Ion	Ratio	Lower	Upper
45	100		
77	15.6	0.0	34.4
79	12.0	0.0	30.9



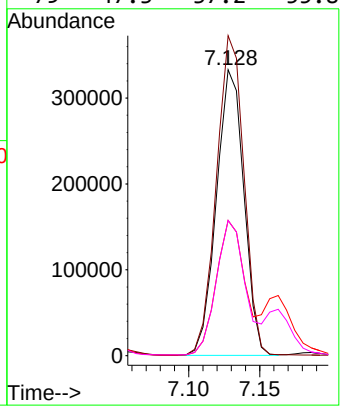


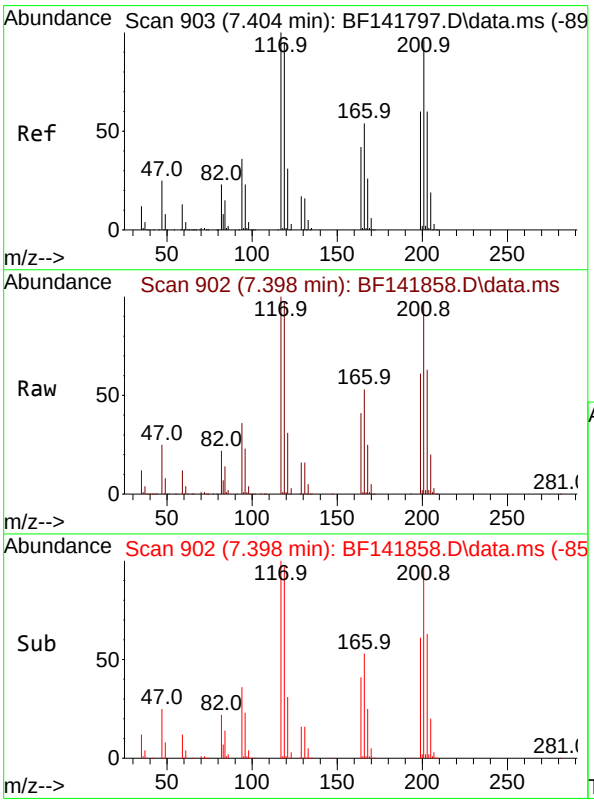
#17
2-Methylphenol
Concen: 38.479 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 447215

Ion	Ratio	Lower	Upper
107	100		
108	111.9	90.6	135.8
77	47.3	37.7	56.5
79	47.3	37.2	55.8

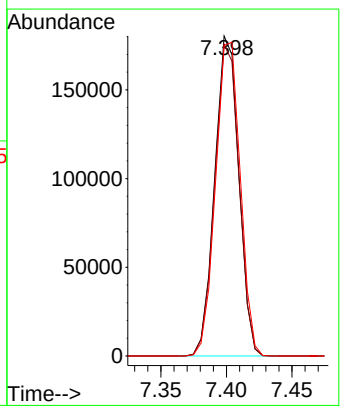


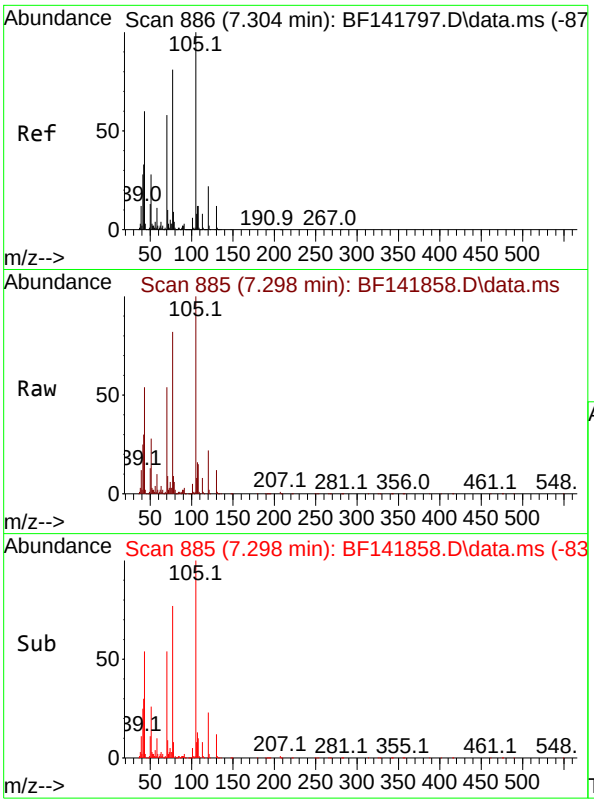


#18
Hexachloroethane
Concen: 40.497 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:117 Resp: 230292

Ion	Ratio	Lower	Upper
117	100		
119	97.4	75.8	113.8
201	97.1	76.7	115.1



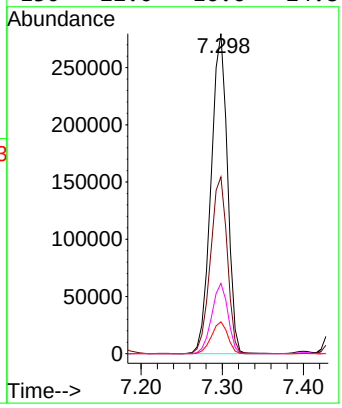


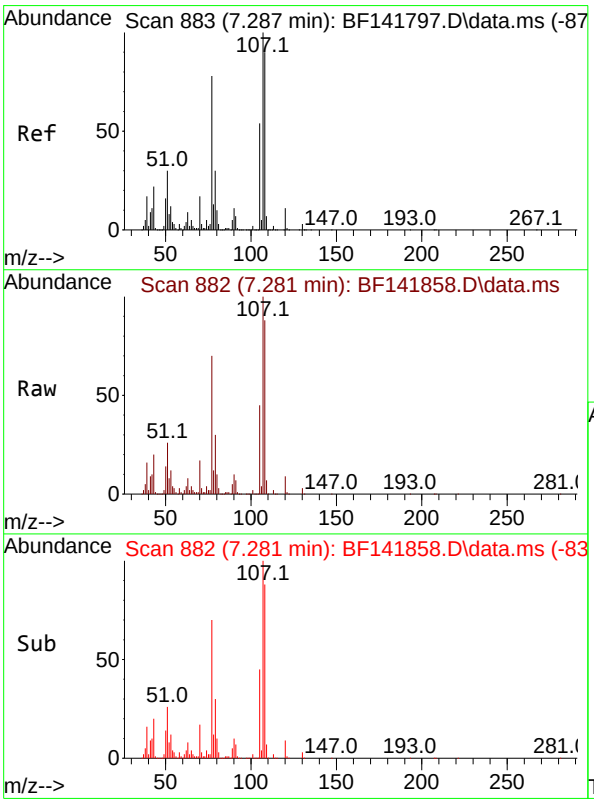
#19
n-Nitroso-di-n-propylamine
Concen: 35.298 ng
RT: 7.298 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 393107

Ion	Ratio	Lower	Upper
70	100		
42	55.3	45.4	68.0
101	10.0	7.8	11.8
130	22.0	16.6	24.8

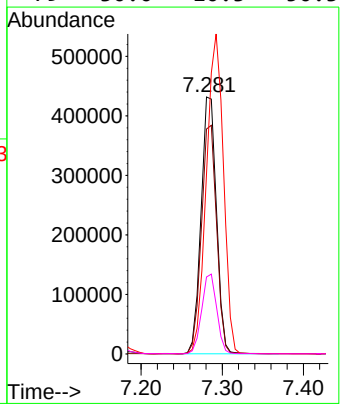


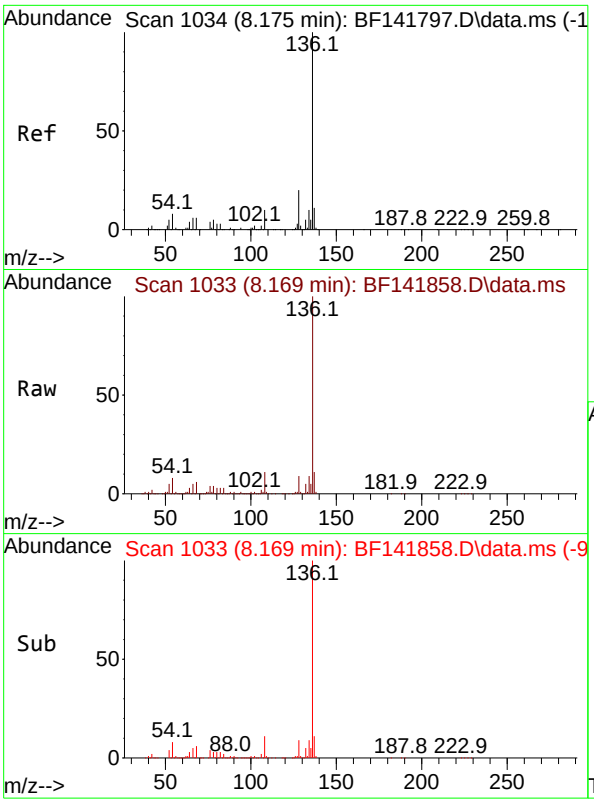


#20
3+4-Methylphenols
Concen: 39.253 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:107 Resp: 568081

Ion	Ratio	Lower	Upper
107	100		
108	87.5	69.7	109.7
77	70.1	58.3	98.3
79	30.0	10.3	50.3



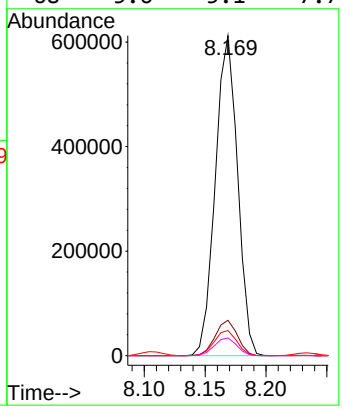


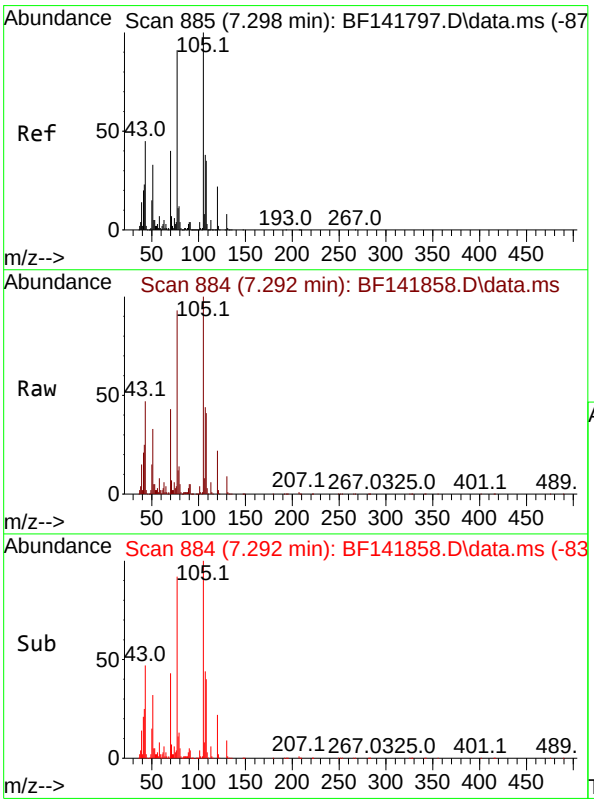
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 779725

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.9	6.9	10.3
68	5.6	5.1	7.7

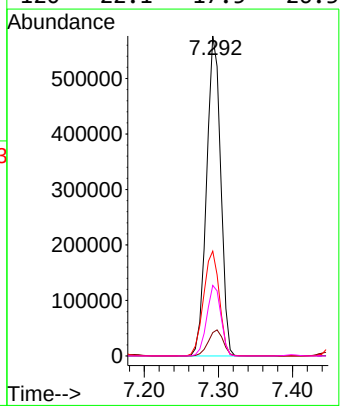


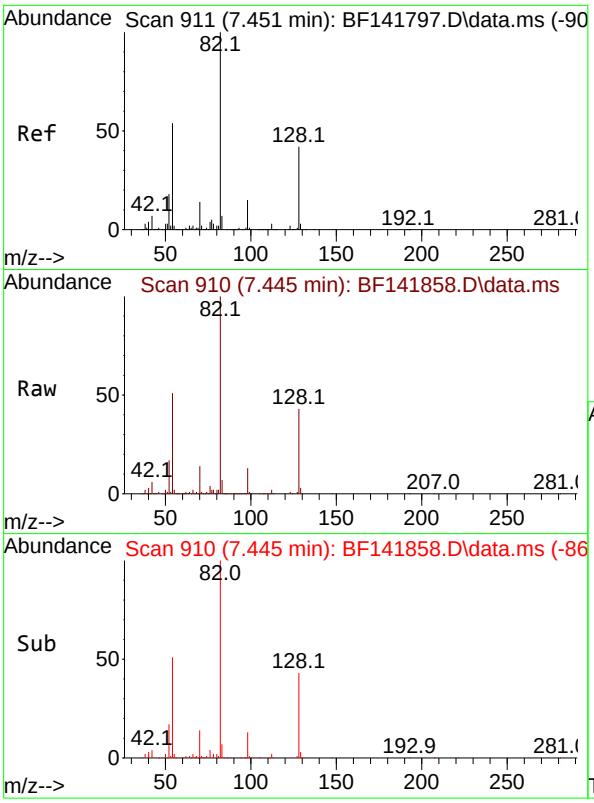


#22
Acetophenone
Concen: 40.243 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:105 Resp: 764218

Ion	Ratio	Lower	Upper
105	100		
71	7.3	5.4	8.0
51	32.8	26.1	39.1
120	22.1	17.5	26.3



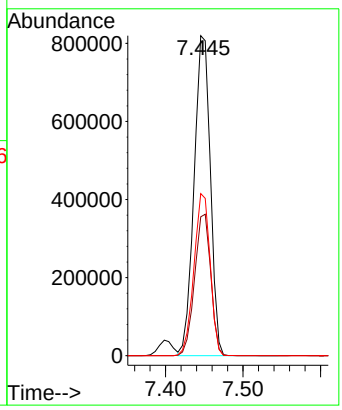


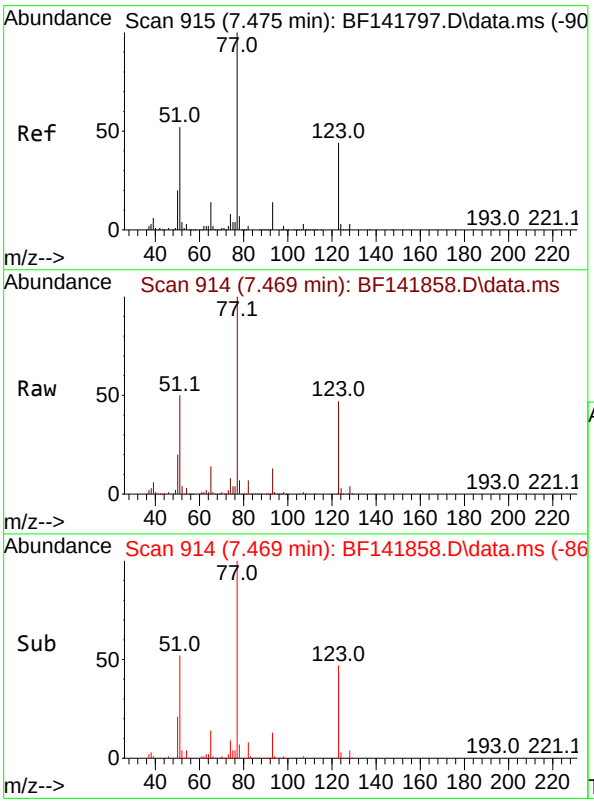
#23
Nitrobenzene-d5
Concen: 97.772 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1192671

Ion	Ratio	Lower	Upper
82	100		
128	43.4	33.5	50.3
54	50.7	42.7	64.1

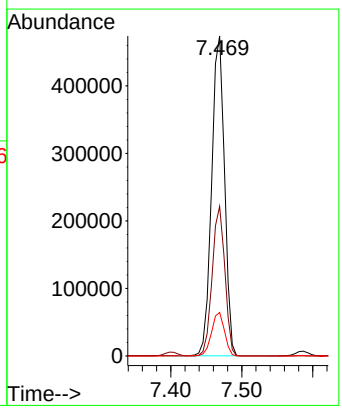


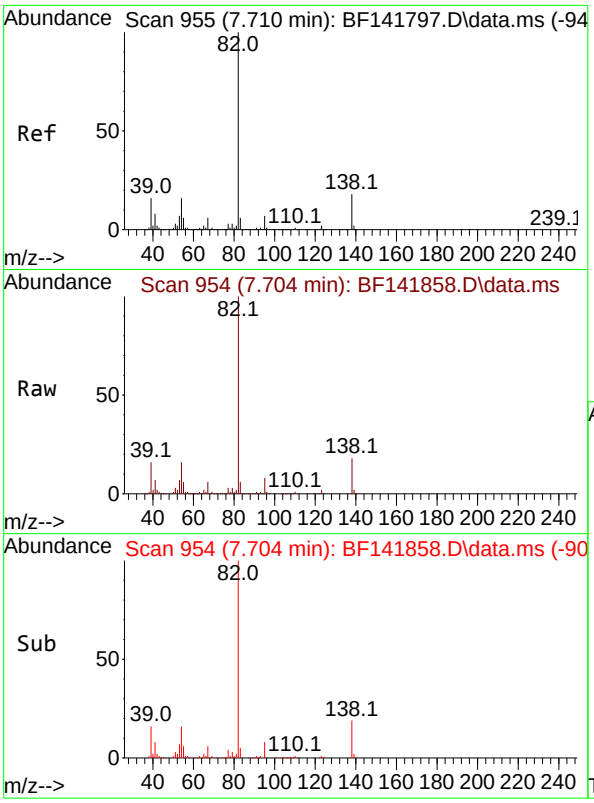


#24
Nitrobenzene
Concen: 45.653 ng
RT: 7.469 min Scan# 914
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion: 77 Resp: 596360

Ion	Ratio	Lower	Upper
77	100		
123	46.8	35.8	53.8
65	13.6	11.2	16.8



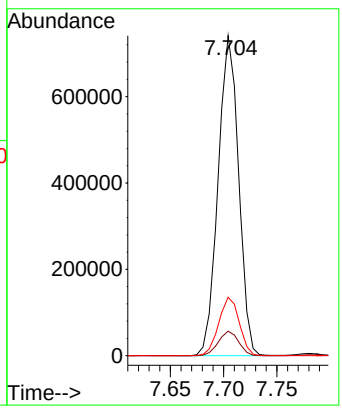


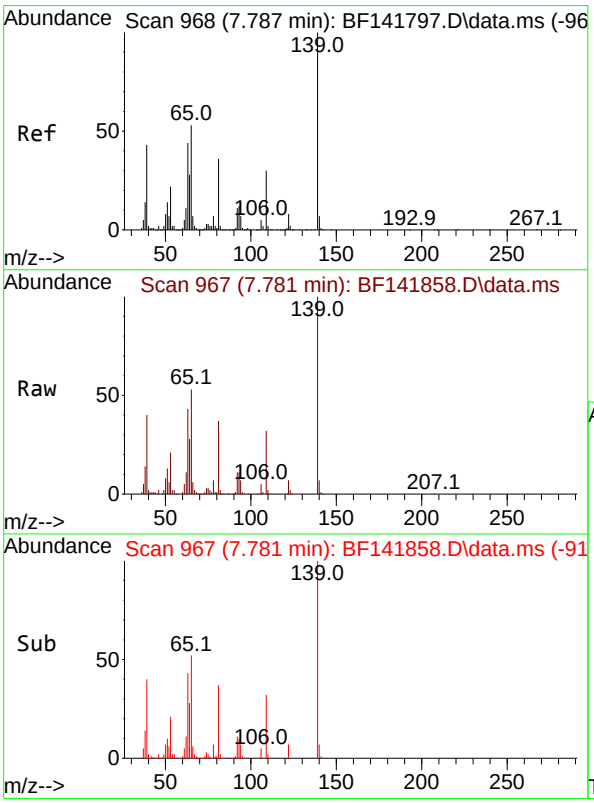
#25
Isophorone
Concen: 37.814 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 990974

Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.8	8.8
138	18.3	14.0	21.0

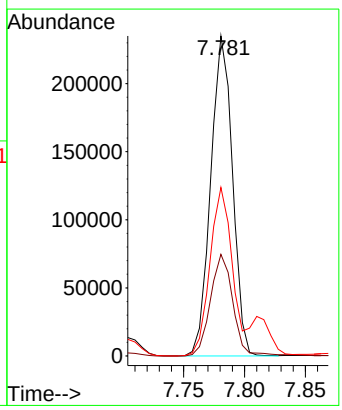


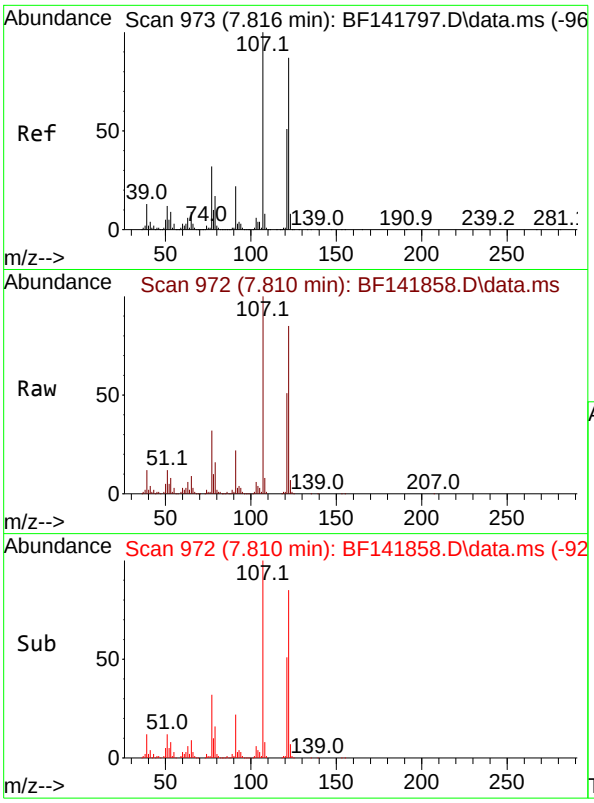


#26
2-Nitrophenol
Concen: 49.968 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:139 Resp: 292782

Ion	Ratio	Lower	Upper
139	100		
109	31.8	24.1	36.1
65	52.6	42.3	63.5



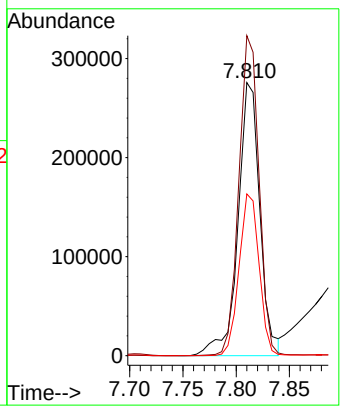


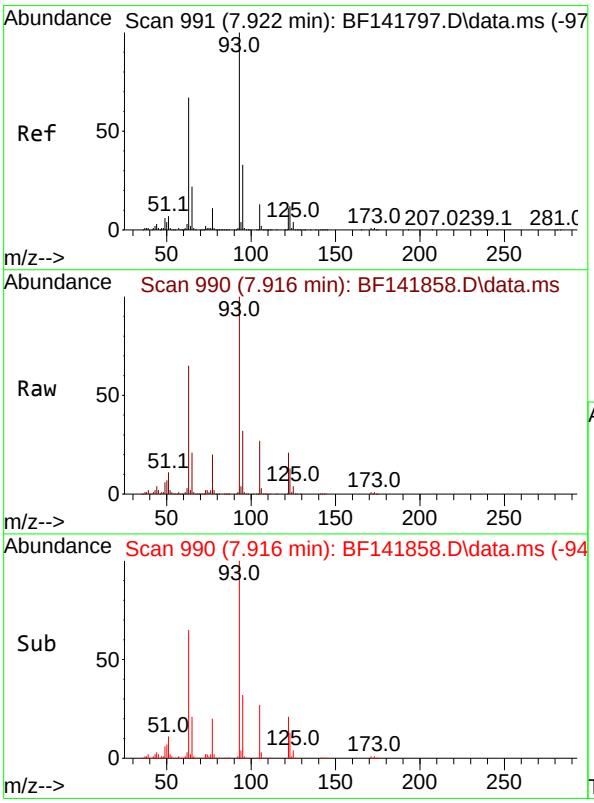
#27
2,4-Dimethylphenol
Concen: 40.956 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 394540

Ion	Ratio	Lower	Upper
122	100		
107	117.1	92.5	138.7
121	59.2	47.1	70.7

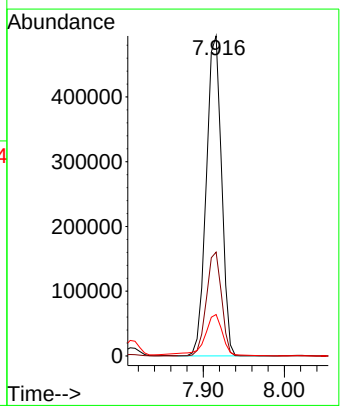


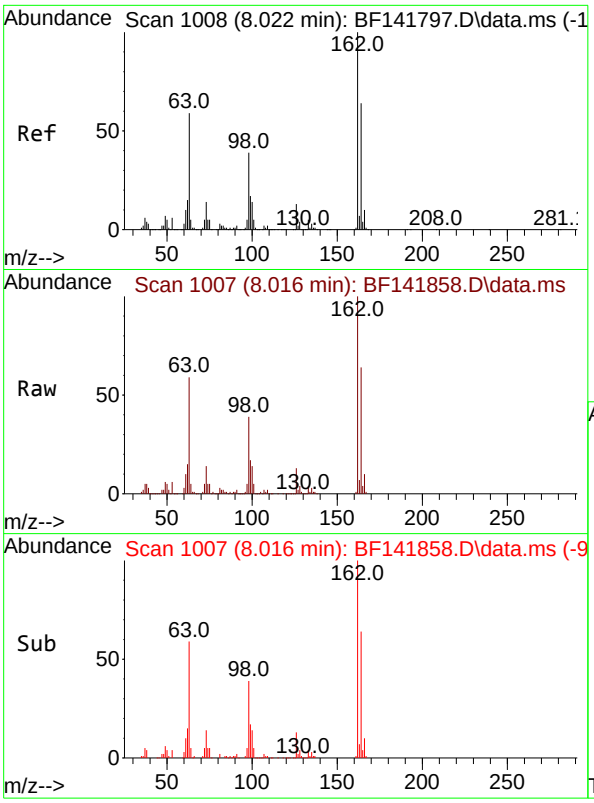


#28
bis(2-Chloroethoxy)methane
Concen: 38.448 ng
RT: 7.916 min Scan# 990
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion: 93 Resp: 642746

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.5	39.7
123	13.0	10.0	15.0



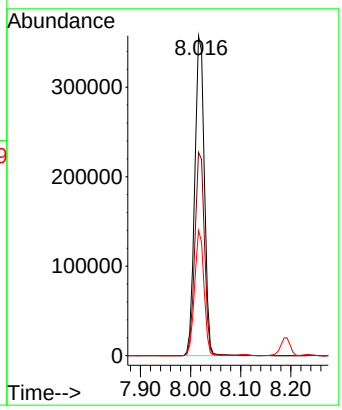


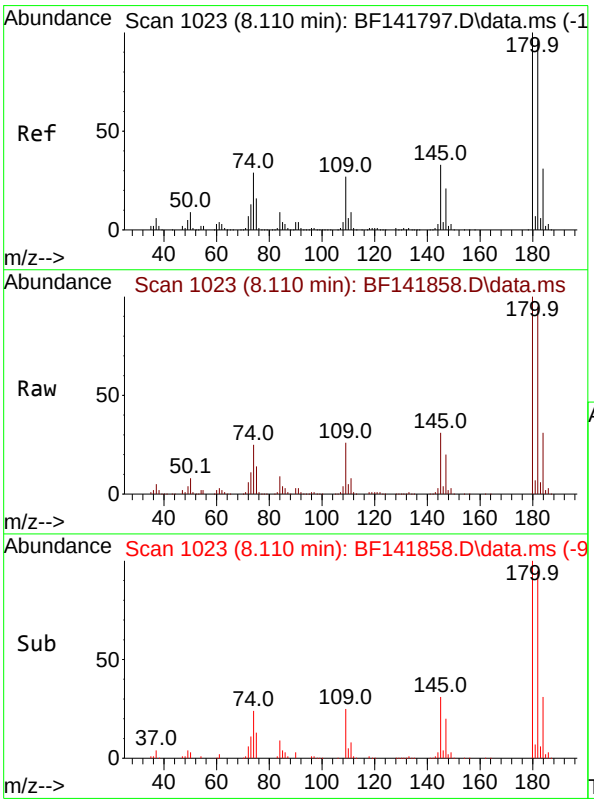
#29
2,4-Dichlorophenol
Concen: 42.802 ng
RT: 8.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 475671

Ion	Ratio	Lower	Upper
162	100		
164	63.5	44.3	84.3
98	39.1	19.6	59.6

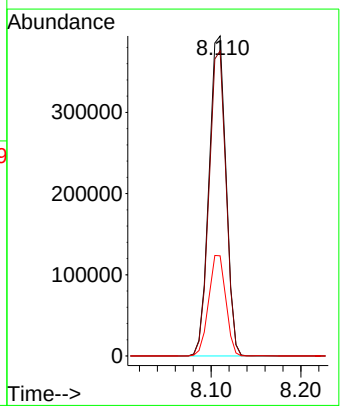


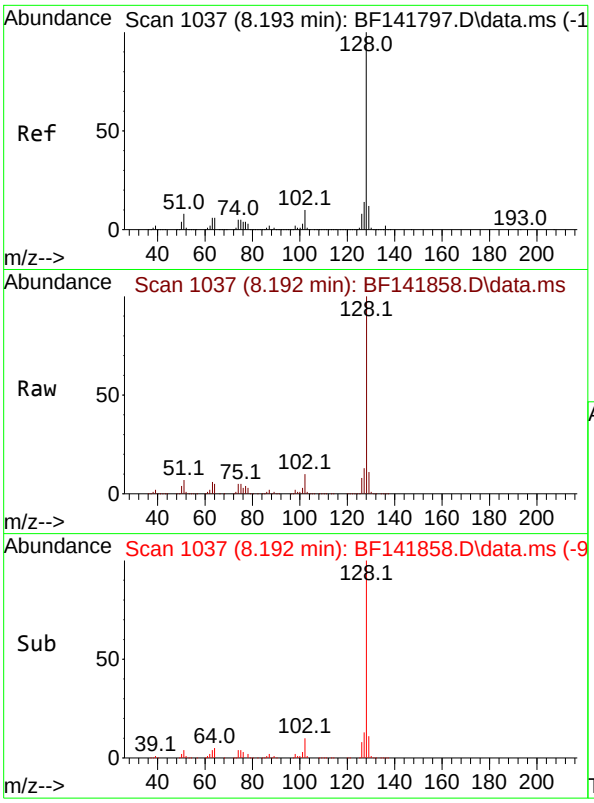


#30
1,2,4-Trichlorobenzene
Concen: 42.568 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:180 Resp: 518388

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.8	115.2
145	31.3	26.4	39.6



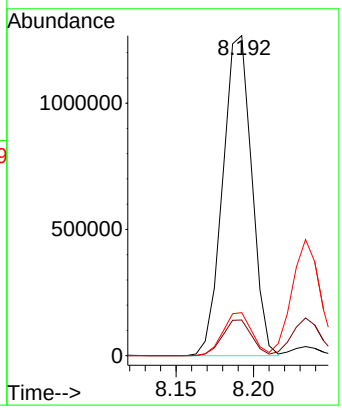


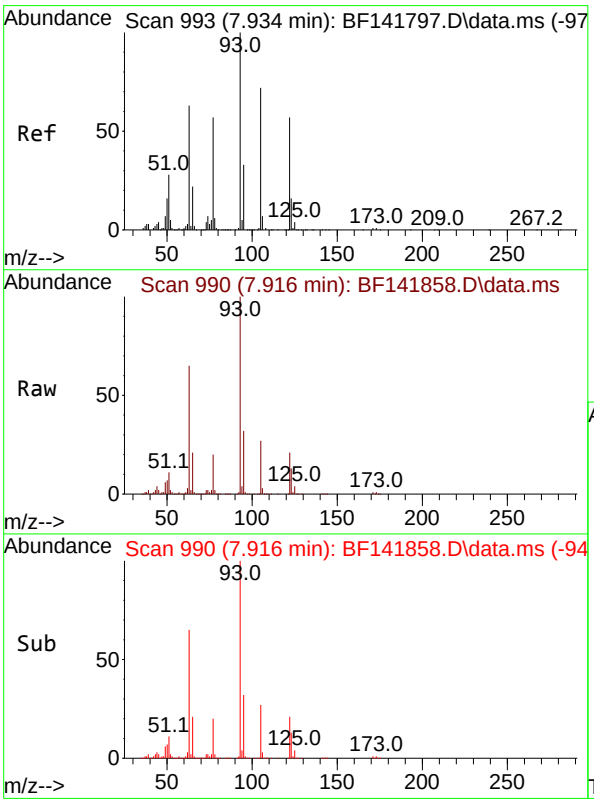
#31
Naphthalene
Concen: 41.026 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 1644085

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.2	13.8
127	13.4	11.0	16.4

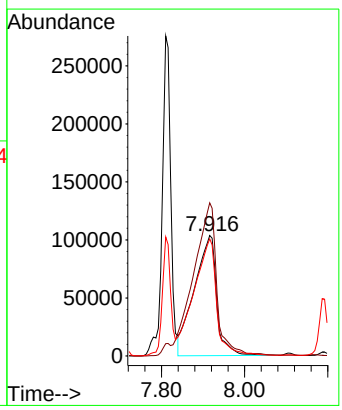


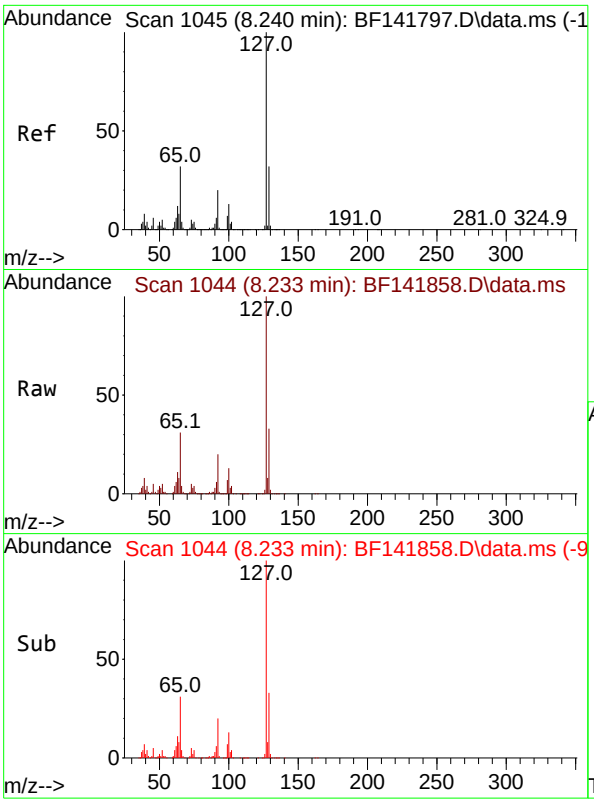


#32
Benzoic acid
Concen: 48.428 ng
RT: 7.916 min Scan# 990
Delta R.T. -0.018 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:122 Resp: 390032

Ion	Ratio	Lower	Upper
122	100		
105	127.1	105.8	145.8
77	97.3	79.9	119.9



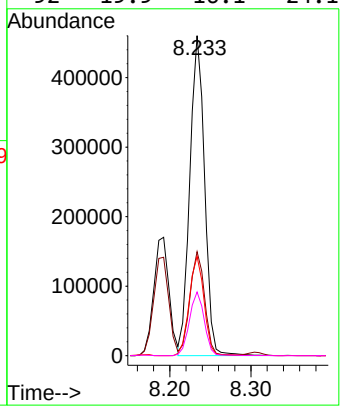


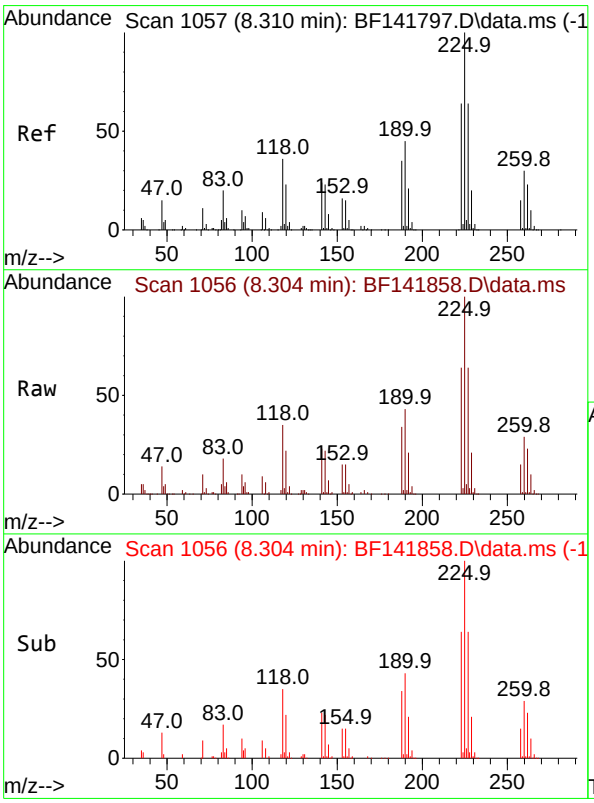
#33
4-Chloroaniline
Concen: 39.713 ng
RT: 8.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 583547

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.1	39.1
65	31.0	25.7	38.5
92	19.9	16.1	24.1

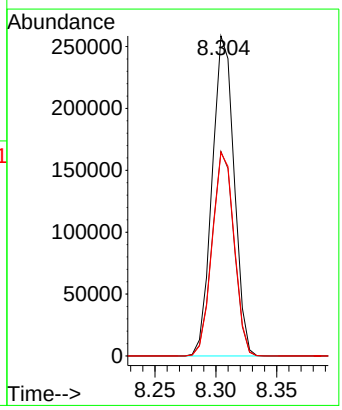


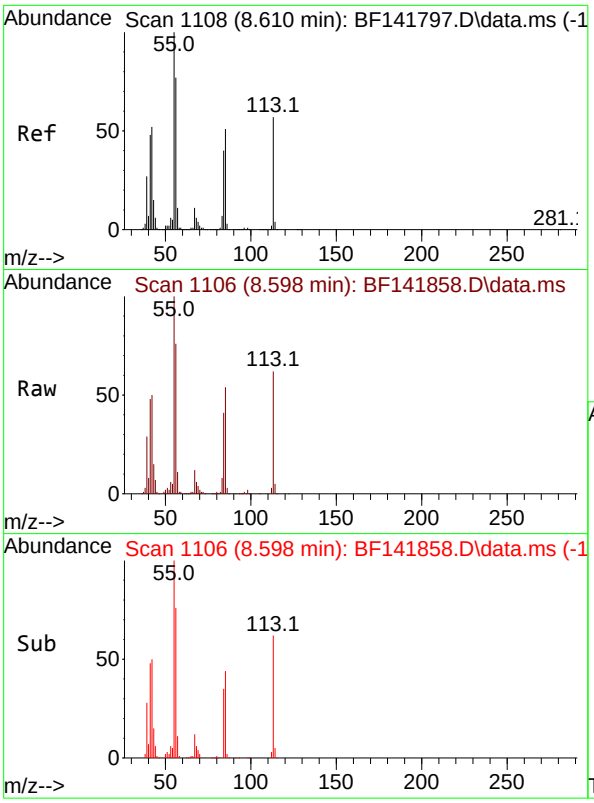


#34
Hexachlorobutadiene
Concen: 42.902 ng
RT: 8.304 min Scan# 1056
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:225 Resp: 324659

Ion	Ratio	Lower	Upper
225	100		
223	63.9	51.4	77.2
227	63.6	51.6	77.4



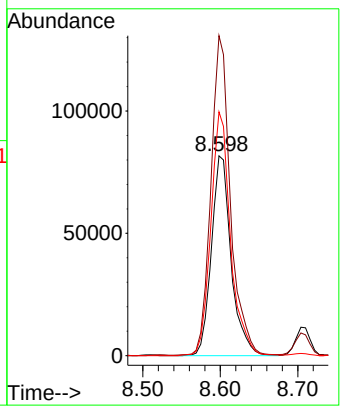


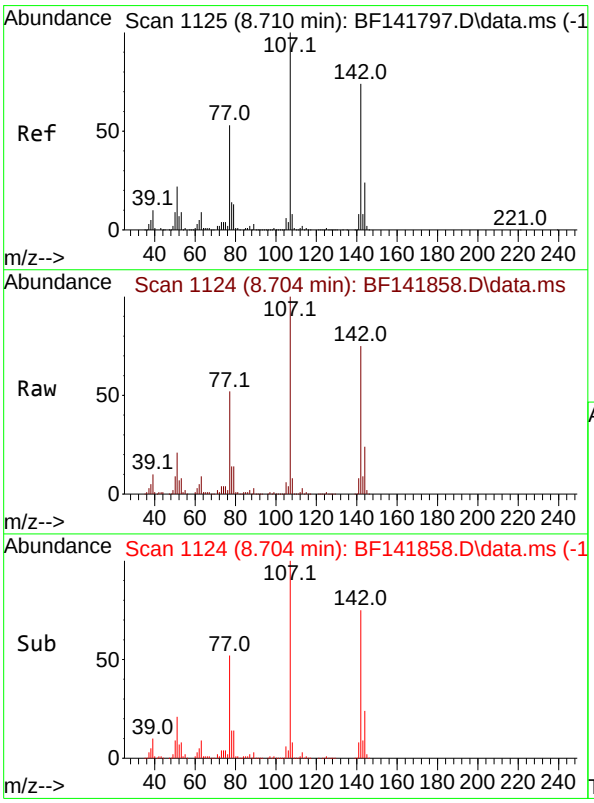
#35
Caprolactam
Concen: 42.235 ng
RT: 8.598 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 144396

Ion	Ratio	Lower	Upper
113	100		
55	160.1	155.6	195.6
56	122.0	114.6	154.6

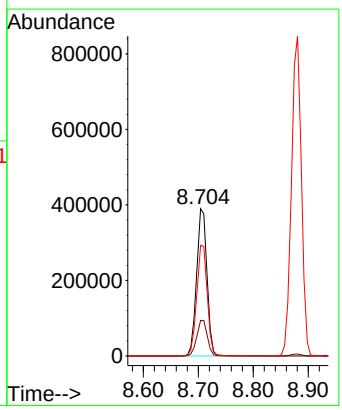


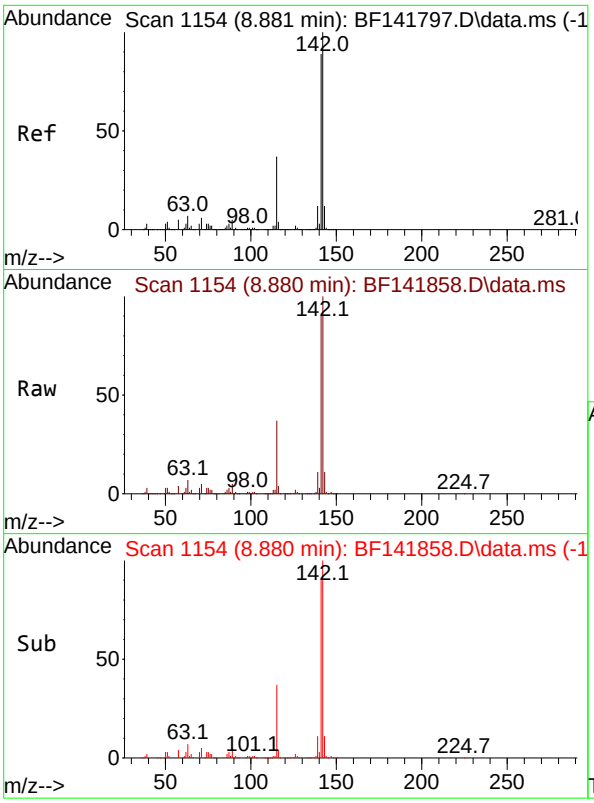


#36
4-Chloro-3-methylphenol
Concen: 41.661 ng
RT: 8.704 min Scan# 1124
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:107 Resp: 514325

Ion	Ratio	Lower	Upper
107	100		
144	24.1	19.4	29.0
142	75.1	59.4	89.0



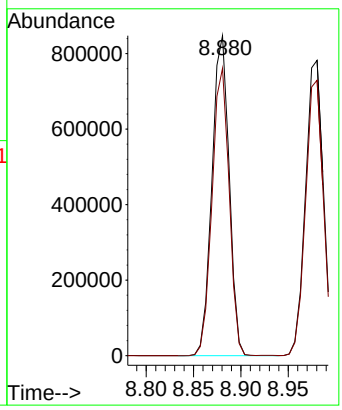


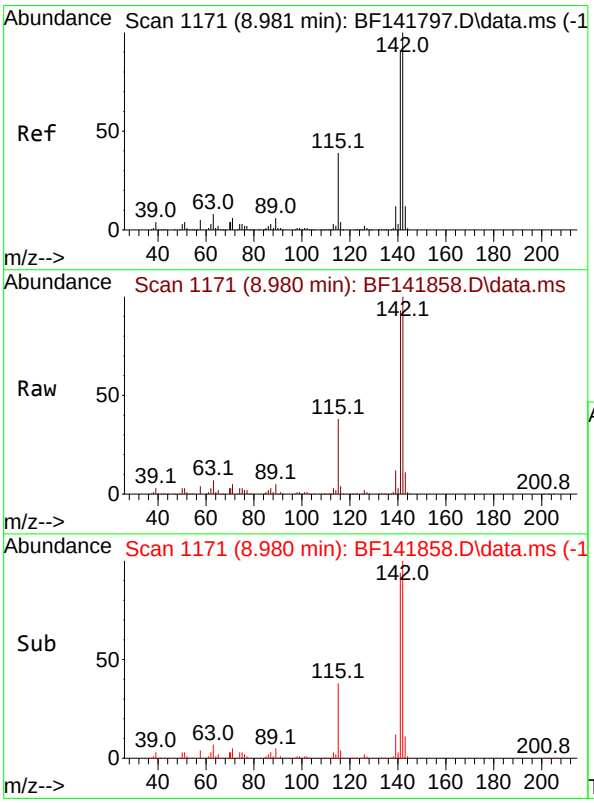
#37
2-Methylnaphthalene
Concen: 40.571 ng
RT: 8.880 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 1066438

Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.1	106.7

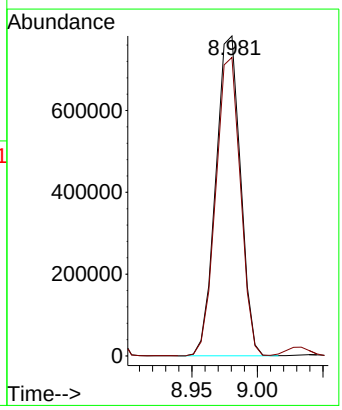


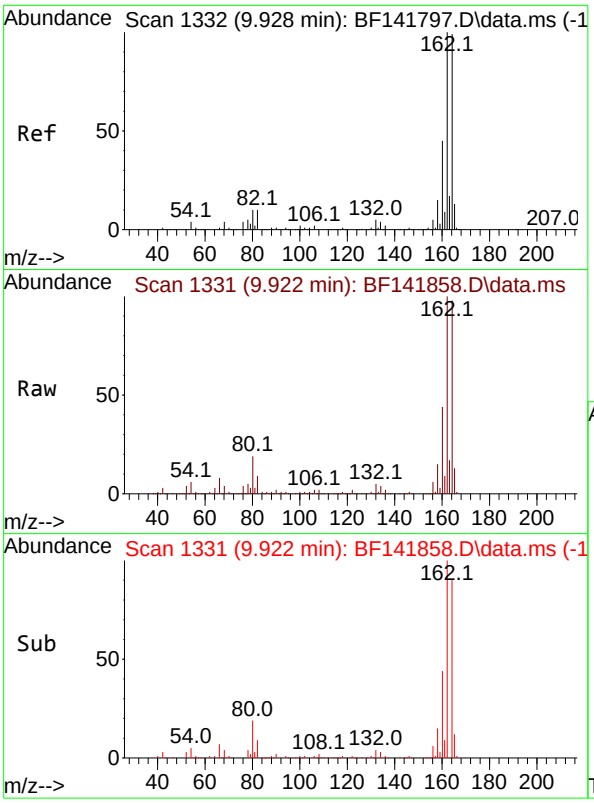


#38
1-Methylnaphthalene
Concen: 40.609 ng
RT: 8.980 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:142 Resp: 1024218

Ion	Ratio	Lower	Upper
142	100		
141	93.3	73.1	109.7



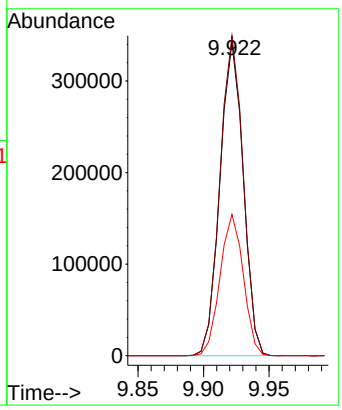


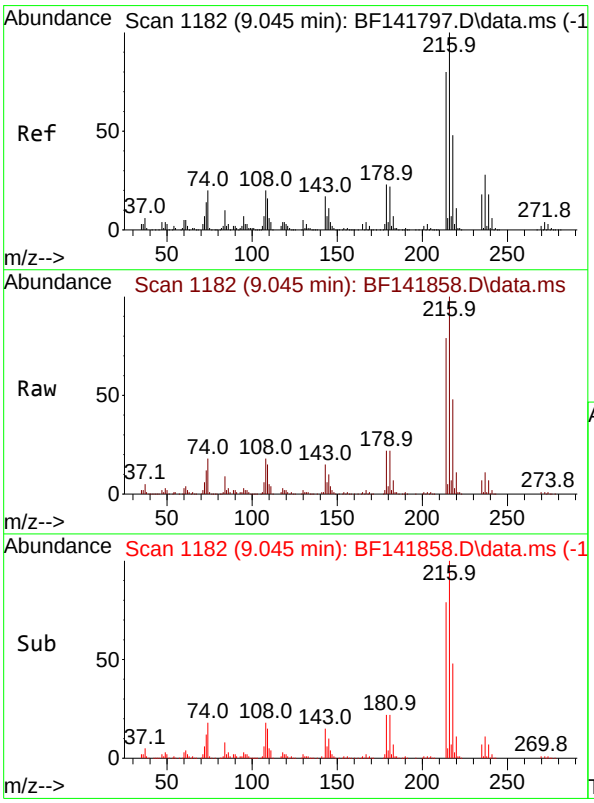
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 422269

Ion	Ratio	Lower	Upper
164	100		
162	102.2	80.6	120.8
160	45.1	36.3	54.5

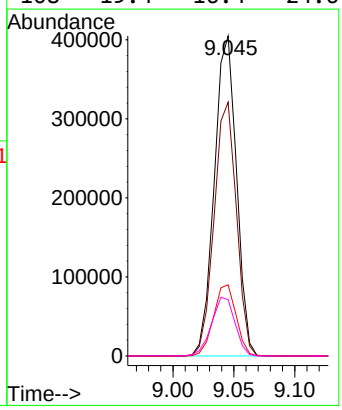


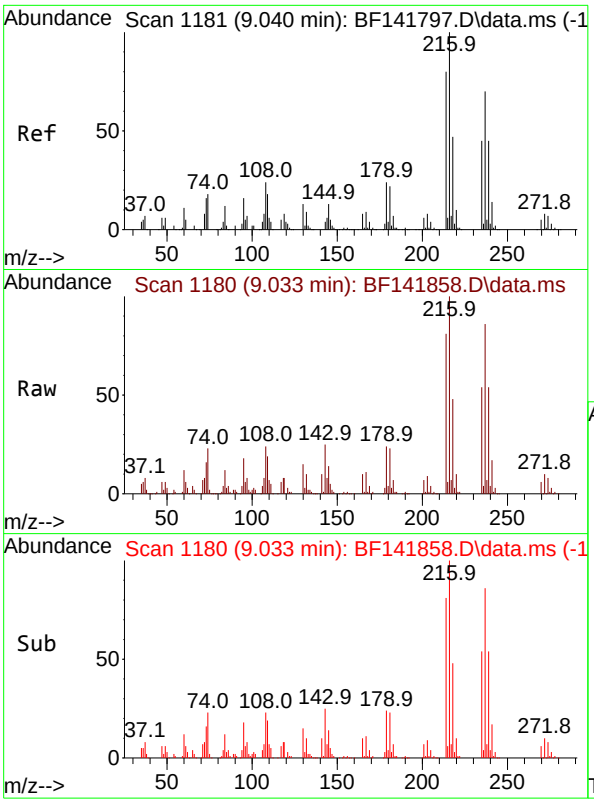


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.066 ng
RT: 9.045 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:216 Resp: 513015

Ion	Ratio	Lower	Upper
216	100		
214	79.6	63.5	95.3
179	22.6	18.1	27.1
108	19.4	16.4	24.6



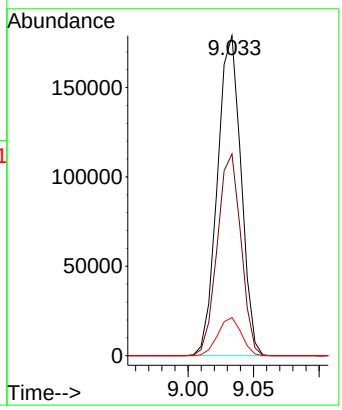


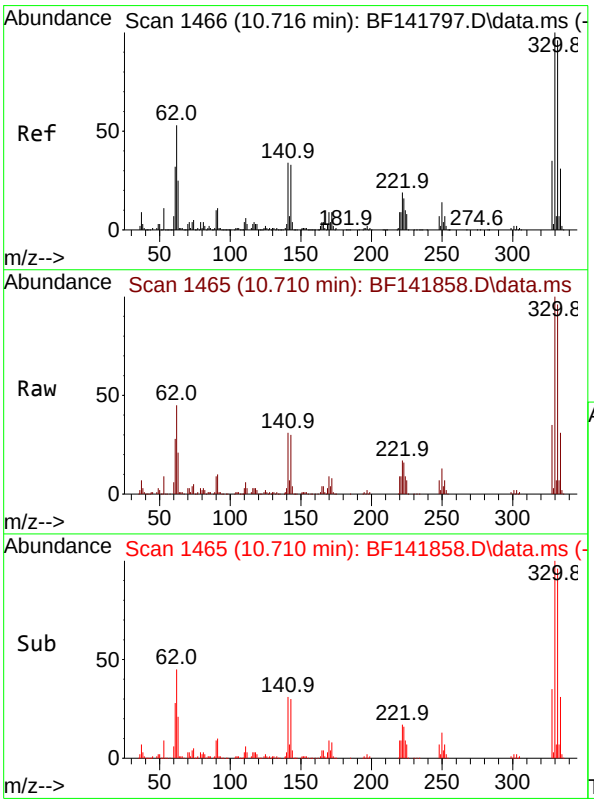
#41
Hexachlorocyclopentadiene
Concen: 44.067 ng
RT: 9.033 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 224284

Ion	Ratio	Lower	Upper
237	100		
235	63.0	43.3	83.3
272	11.9	0.0	31.9

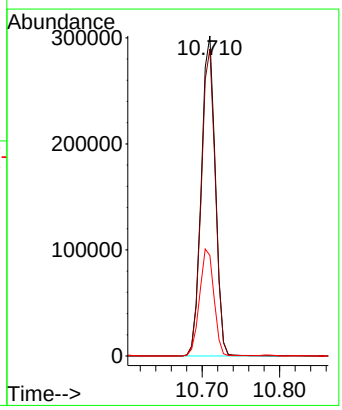


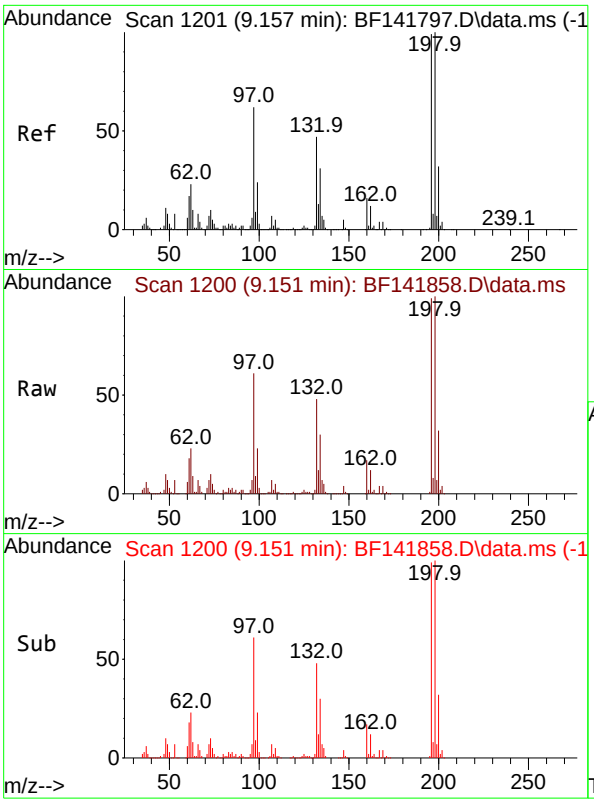


#42
2,4,6-Tribromophenol
Concen: 95.540 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:330 Resp: 378753

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	115.0
141	34.3	29.0	43.4



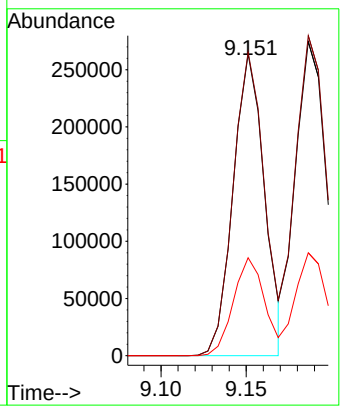


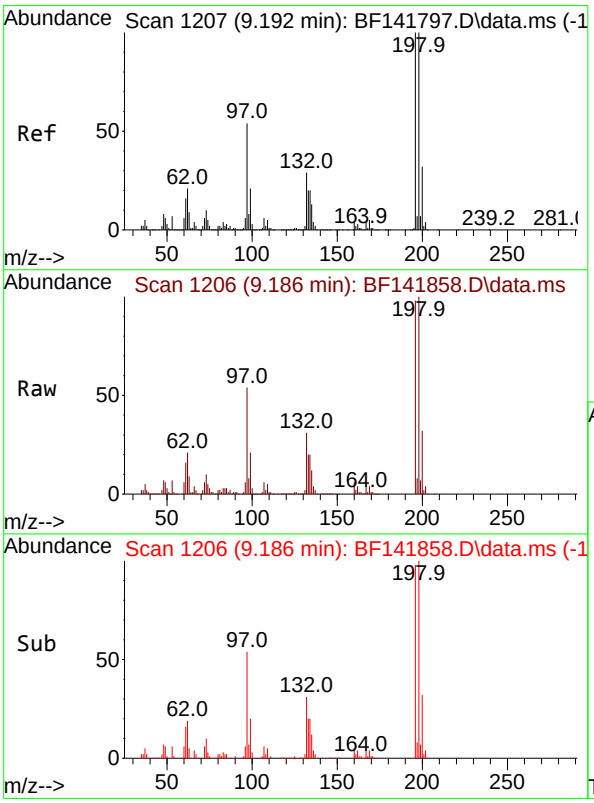
#43
2,4,6-Trichlorophenol
Concen: 42.772 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 336951

Ion	Ratio	Lower	Upper
196	100		
198	100.7	80.4	120.6
200	32.4	25.7	38.5

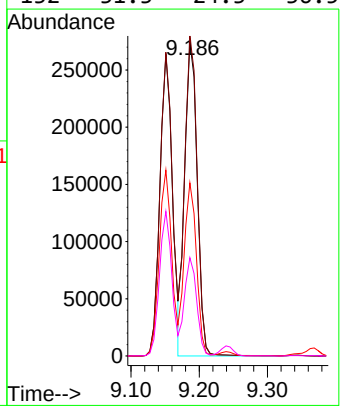


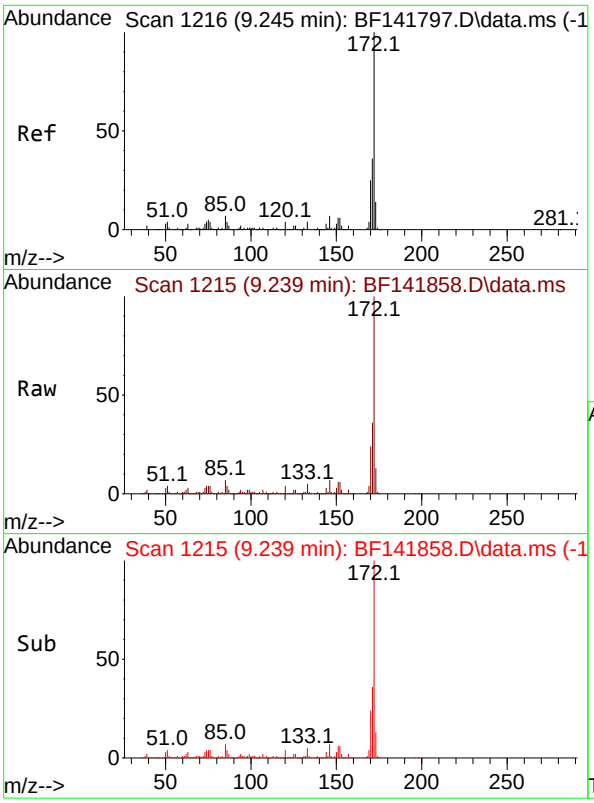


#44
2,4,5-Trichlorophenol
Concen: 44.739 ng
RT: 9.186 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:196 Resp: 349000

Ion	Ratio	Lower	Upper
196	100		
198	101.9	79.7	119.5
97	55.1	44.2	66.2
132	31.3	24.3	36.5



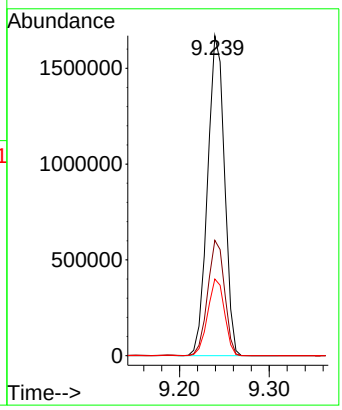


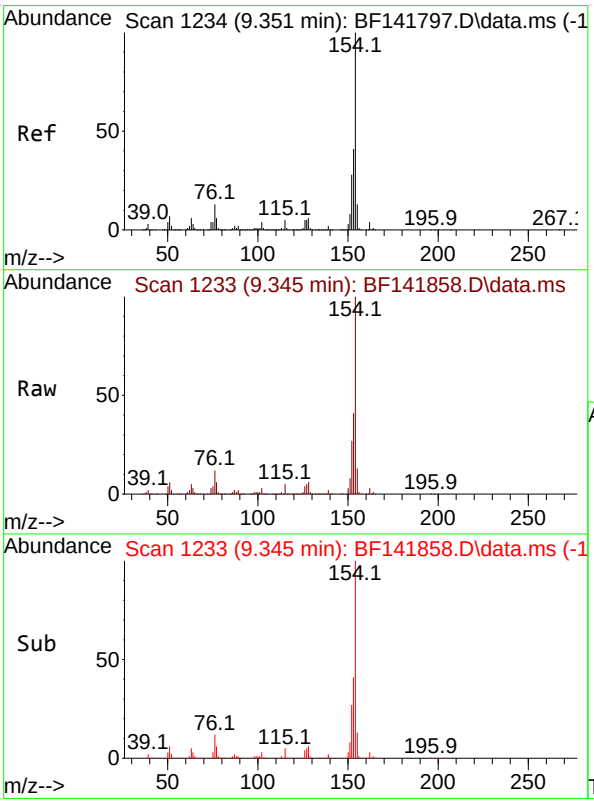
#45
2-Fluorobiphenyl
Concen: 82.849 ng
RT: 9.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 2181831

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.2	43.8
170	24.0	19.7	29.5

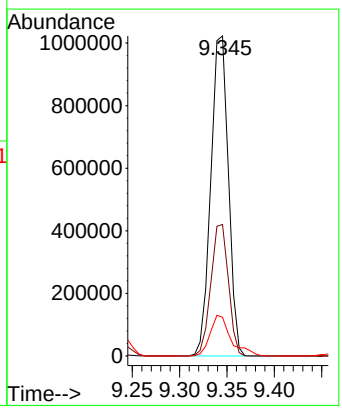


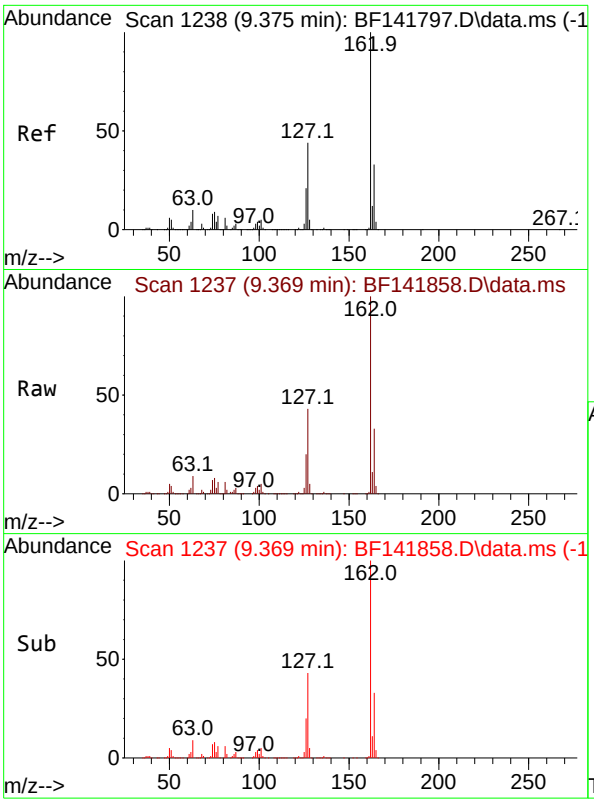


#46
1,1'-Biphenyl
Concen: 40.994 ng
RT: 9.345 min Scan# 1233
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:154 Resp: 1317612

Ion	Ratio	Lower	Upper
154	100		
153	41.1	21.4	61.4
76	12.1	0.0	33.4



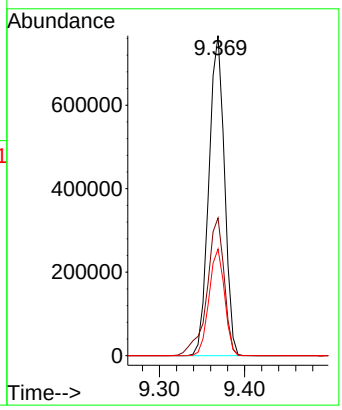


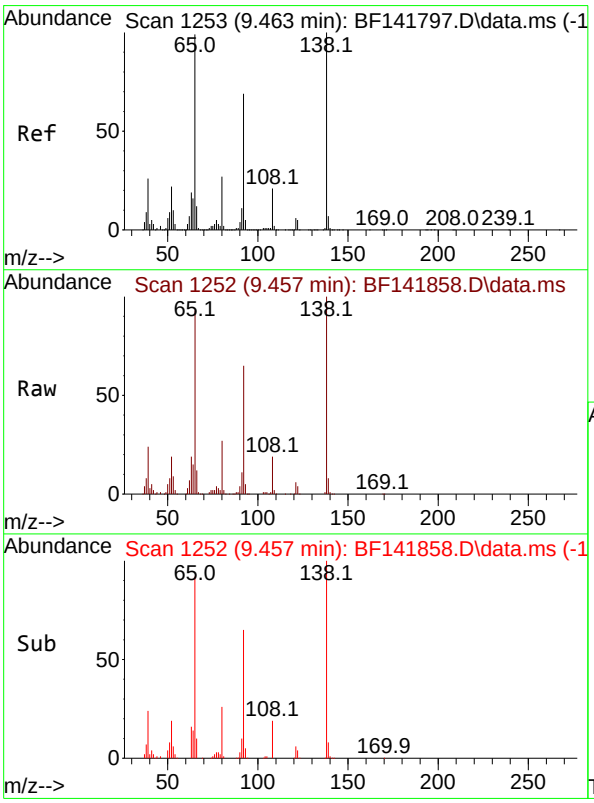
#47
2-Chloronaphthalene
Concen: 41.199 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 977366

Ion	Ratio	Lower	Upper
162	100		
127	43.1	35.0	52.6
164	33.4	26.6	40.0

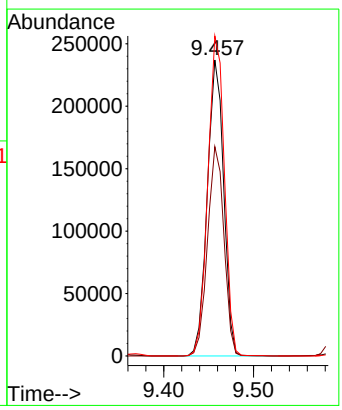


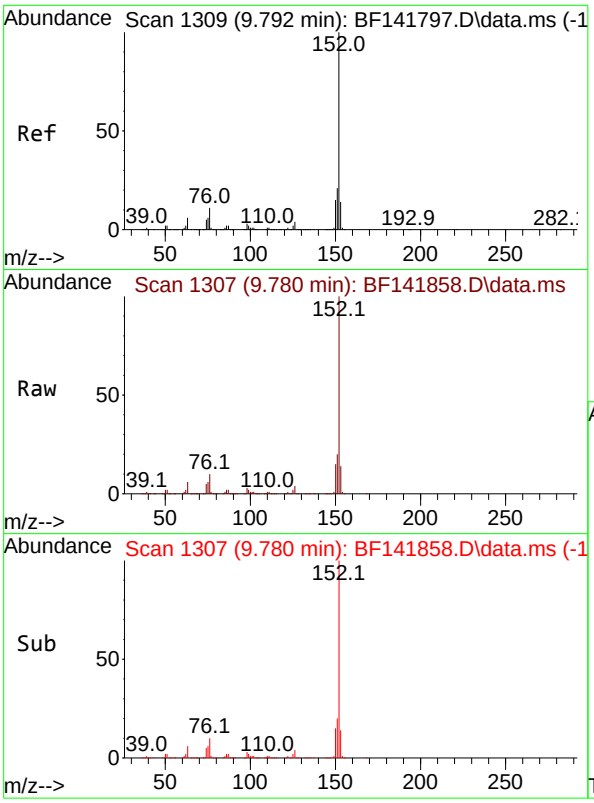


#48
2-Nitroaniline
Concen: 46.508 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion: 65 Resp: 301038

Ion	Ratio	Lower	Upper
65	100		
92	70.7	55.7	83.5
138	108.1	80.6	121.0



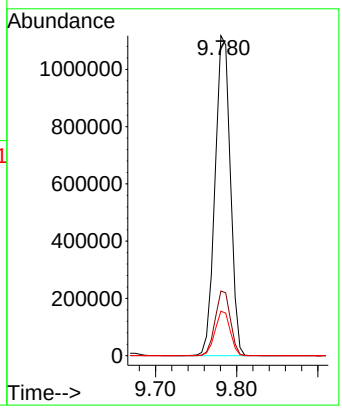


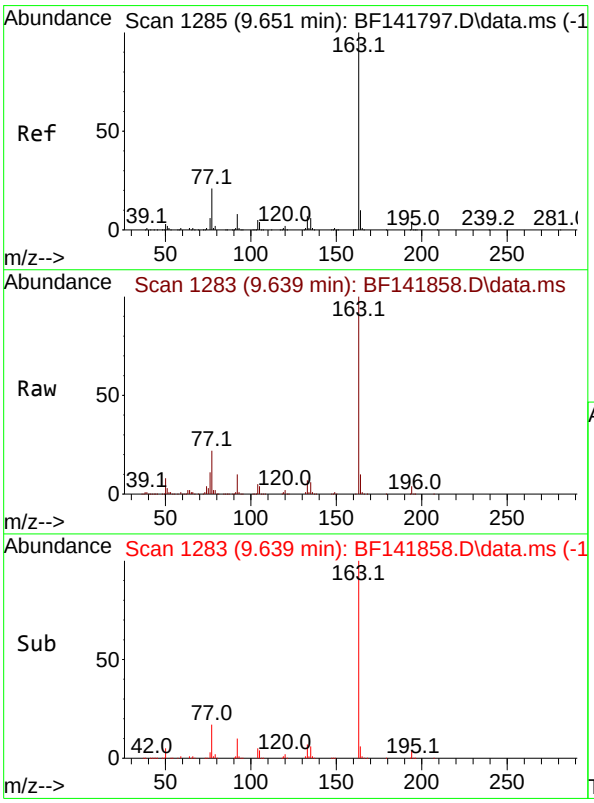
#49
Acenaphthylene
Concen: 41.204 ng
RT: 9.780 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 1465550

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

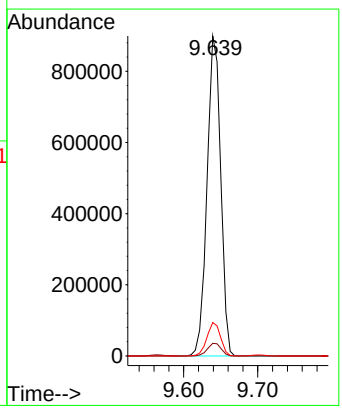


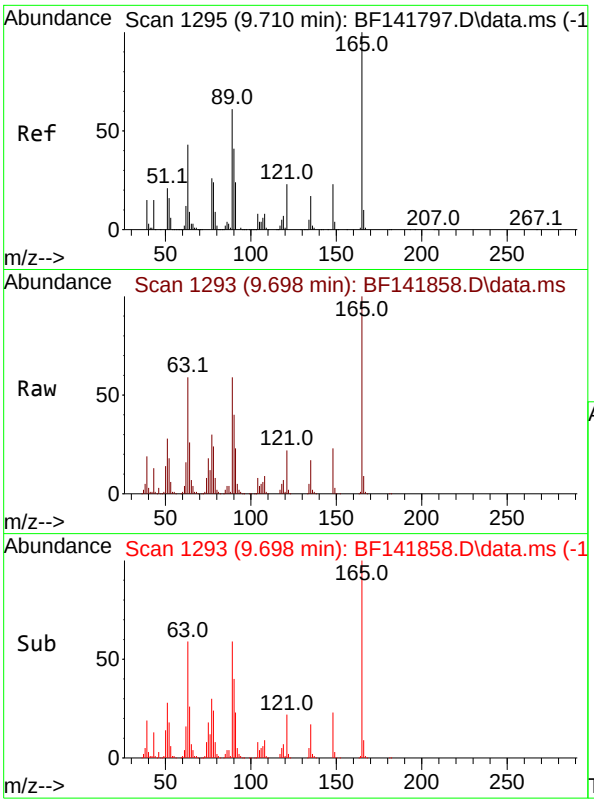


#50
Dimethylphthalate
Concen: 40.693 ng
RT: 9.639 min Scan# 1283
Delta R.T. -0.012 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:163 Resp: 1150740

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.5	8.4	12.6



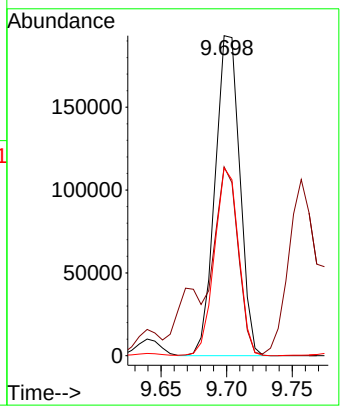


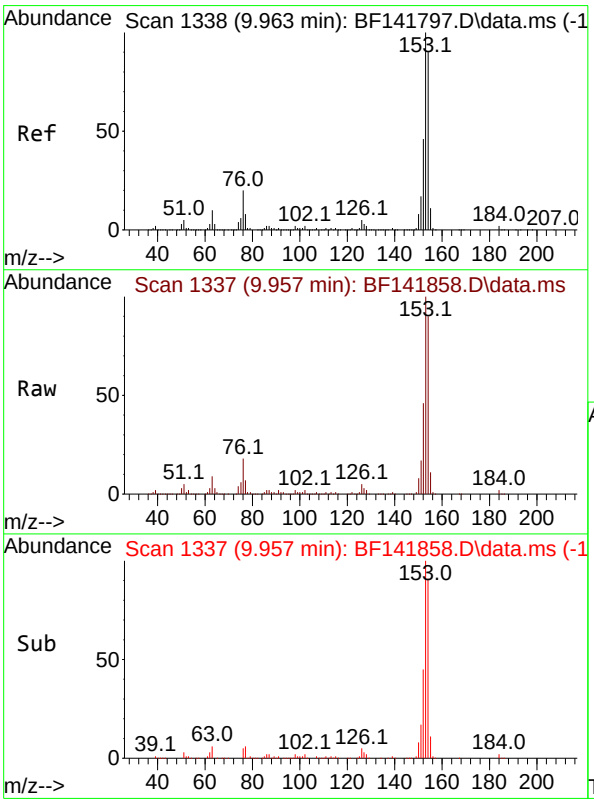
#51
2,6-Dinitrotoluene
Concen: 46.842 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 253007

Ion	Ratio	Lower	Upper
165	100		
63	59.0	49.5	74.3
89	58.7	49.0	73.4

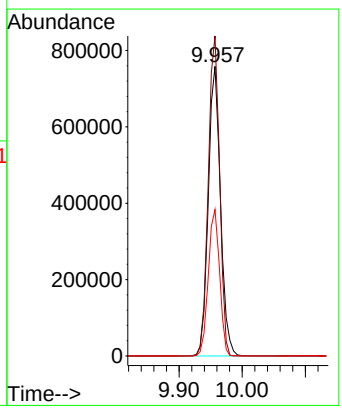


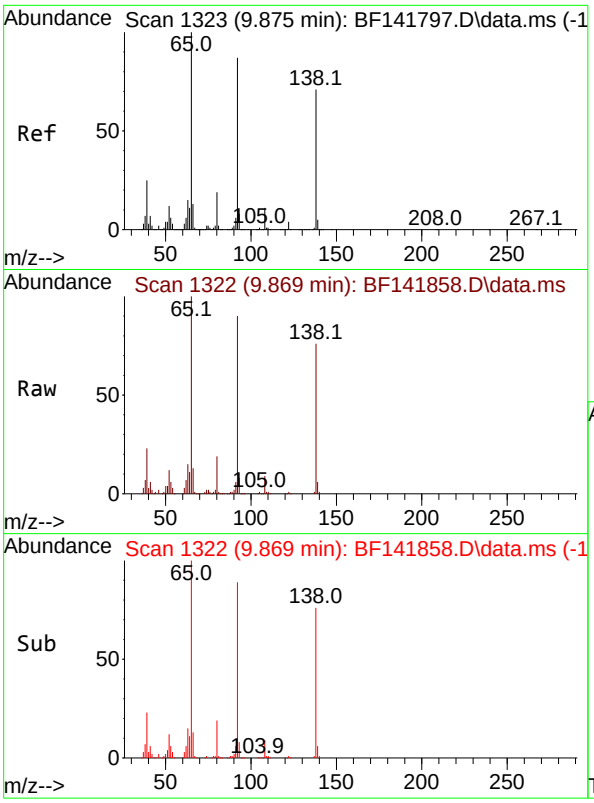


#52
Acenaphthene
Concen: 42.527 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:154 Resp: 1020635

Ion	Ratio	Lower	Upper
154	100		
153	110.5	88.7	133.1
152	50.5	40.9	61.3



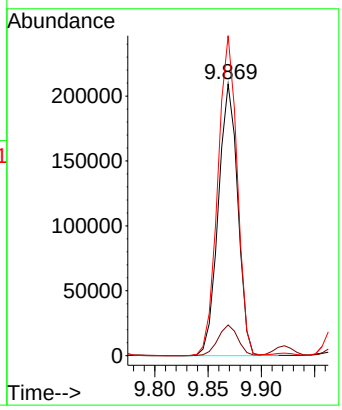


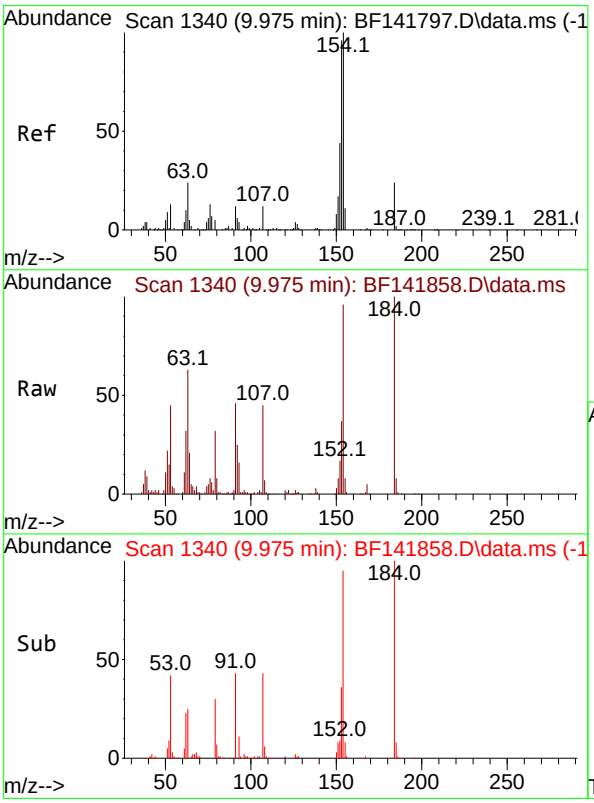
#53
3-Nitroaniline
Concen: 46.137 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 265149

Ion	Ratio	Lower	Upper
138	100		
108	11.3	12.7	19.1#
92	117.8	97.9	146.9

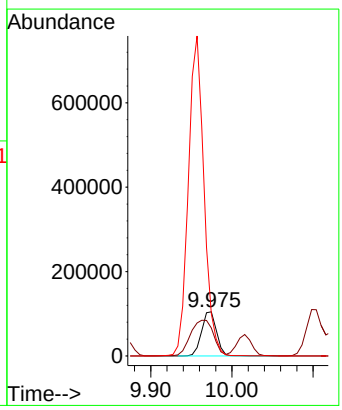


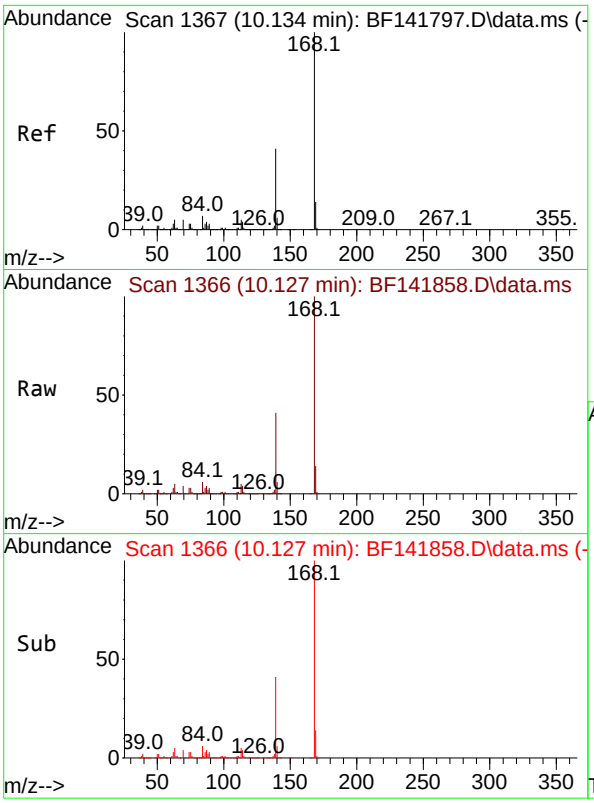


#54
2,4-Dinitrophenol
Concen: 59.722 ng
RT: 9.975 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:184 Resp: 134035

Ion	Ratio	Lower	Upper
184	100		
63	63.5	79.0	118.6#
154	95.7	335.8	503.8#



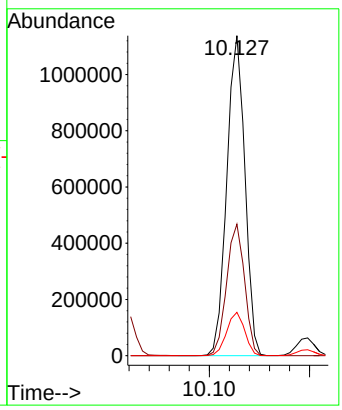


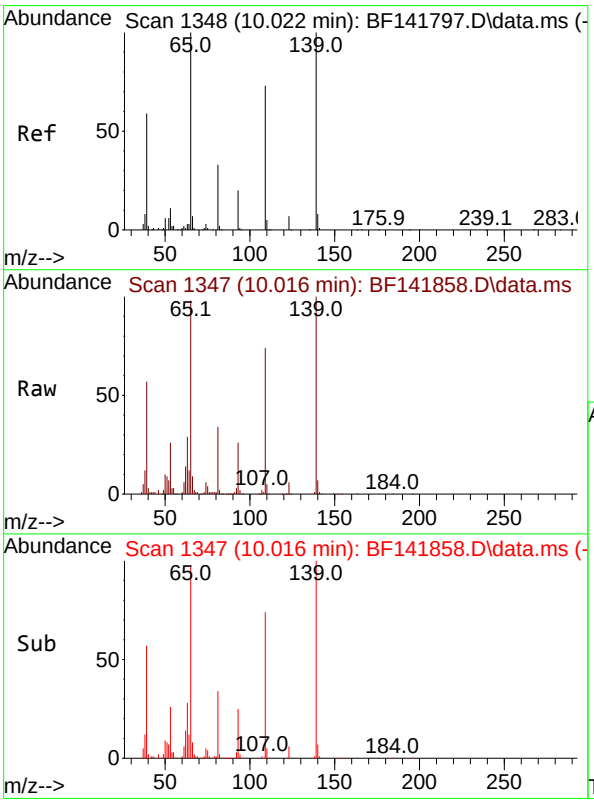
#55
Dibenzofuran
Concen: 40.671 ng
RT: 10.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 1420674

Ion	Ratio	Lower	Upper
168	100		
139	41.1	32.9	49.3
169	13.5	11.1	16.7

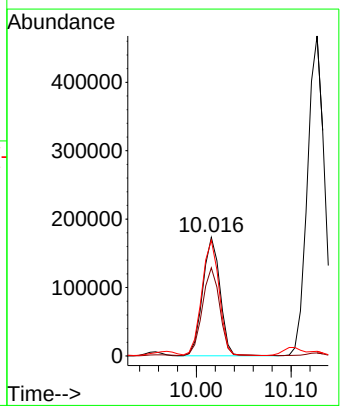


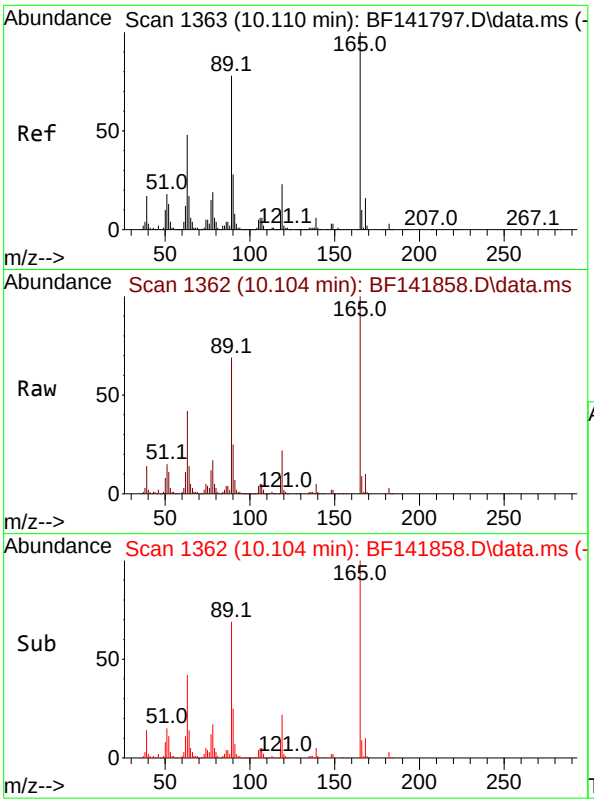


#56
4-Nitrophenol
Concen: 52.954 ng
RT: 10.016 min Scan# 1347
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:139 Resp: 221169

Ion	Ratio	Lower	Upper
139	100		
109	74.4	53.4	93.4
65	97.6	82.1	122.1



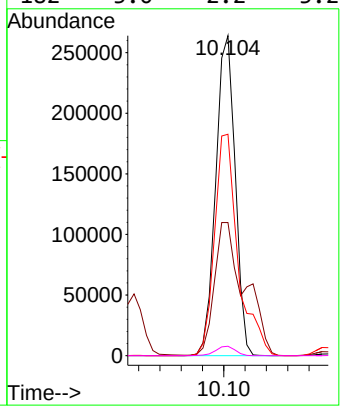


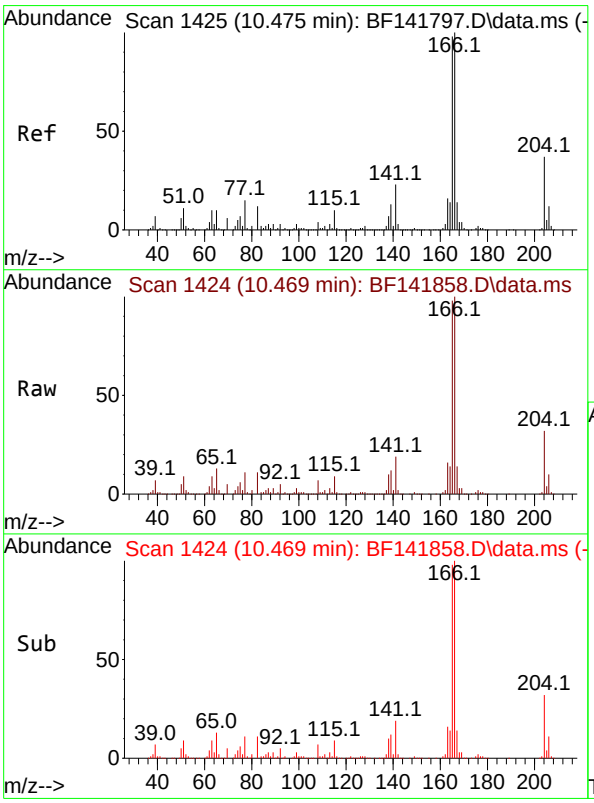
#57
2,4-Dinitrotoluene
Concen: 50.419 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 334417

Ion	Ratio	Lower	Upper
165	100		
63	41.6	38.8	58.2
89	69.2	62.6	94.0
182	3.0	2.2	3.2

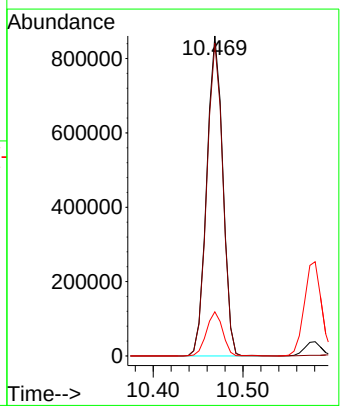


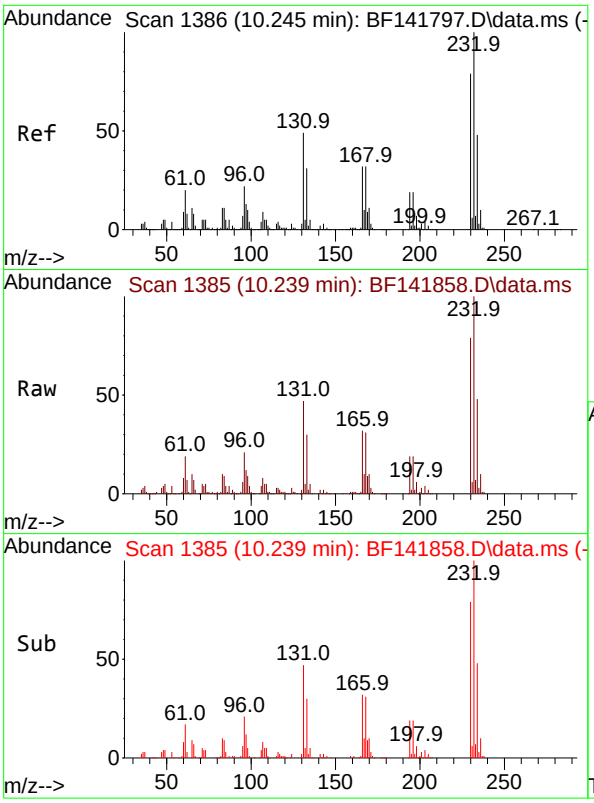


#58
Fluorene
Concen: 41.003 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:166 Resp: 1072855

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.6	117.8
167	13.8	11.0	16.4



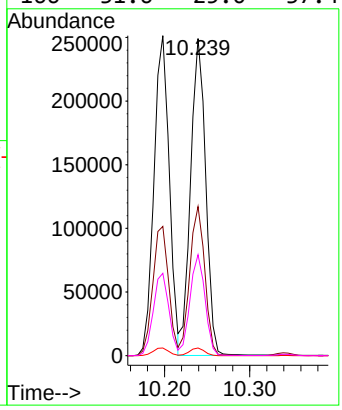


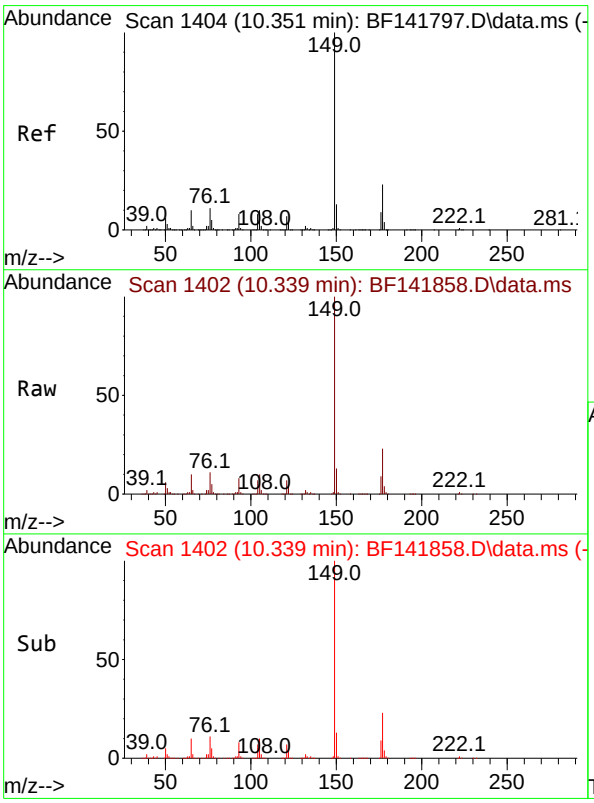
#59
2,3,4,6-Tetrachlorophenol
Concen: 45.123 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 306137

Ion	Ratio	Lower	Upper
232	100		
131	47.1	37.8	56.8
130	2.4	2.0	3.0
166	31.6	25.0	37.4

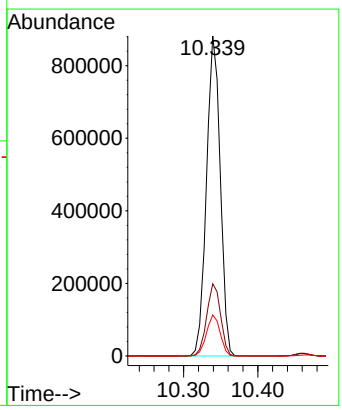


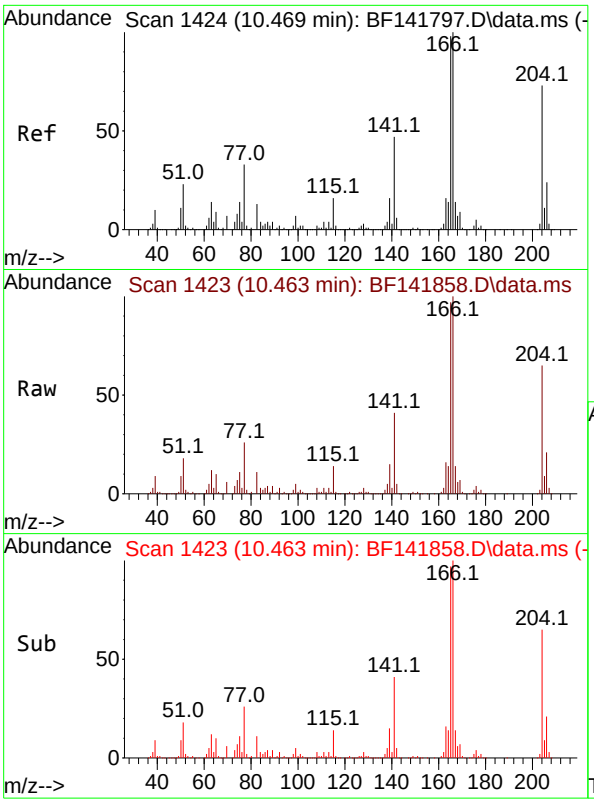


#60
Diethylphthalate
Concen: 40.052 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:149 Resp: 1135424

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.3	27.5
150	12.8	10.3	15.5



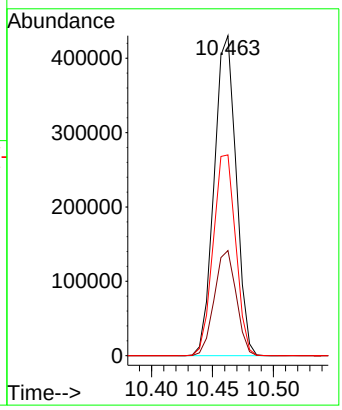


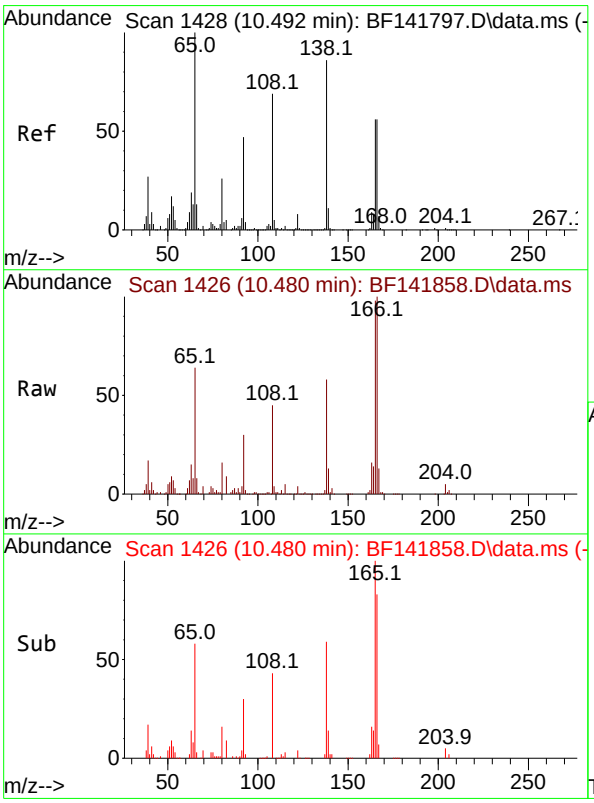
#61
4-Chlorophenyl-phenylether
Concen: 41.246 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 540721

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.2	39.4
141	62.8	51.7	77.5

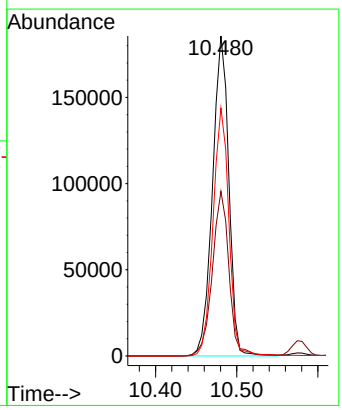


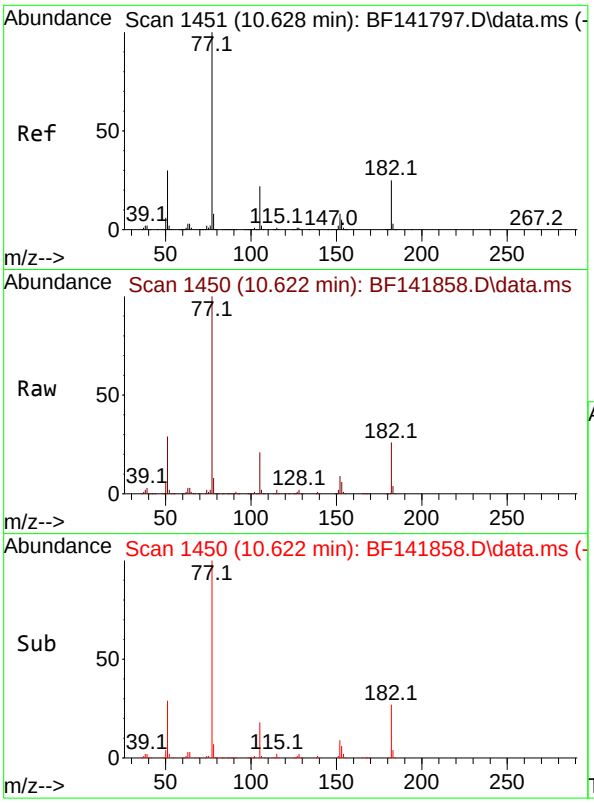


#62
4-Nitroaniline
Concen: 53.688 ng
RT: 10.480 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:138 Resp: 259275

Ion	Ratio	Lower	Upper
138	100		
92	51.4	34.9	74.9
108	77.5	59.6	99.6



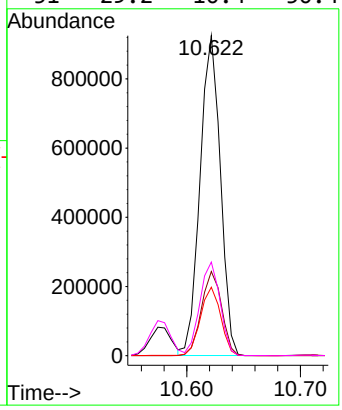


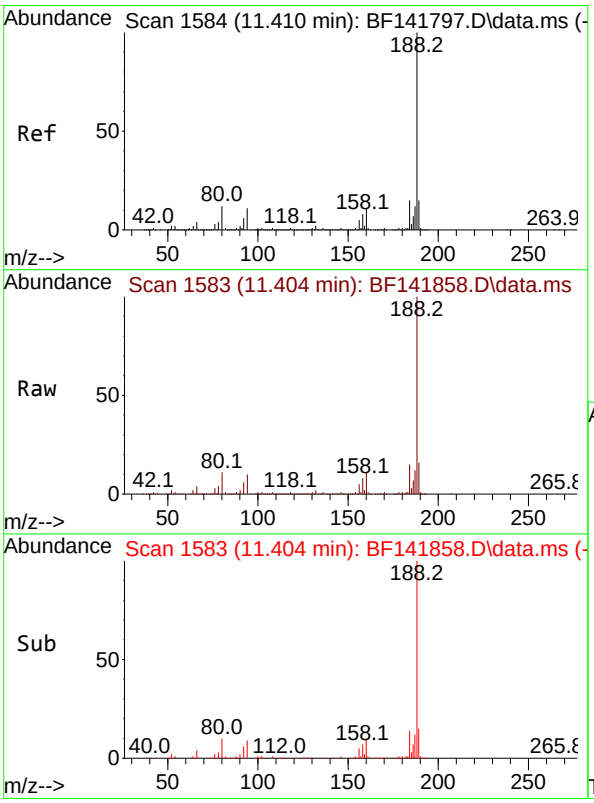
#63
Azobenzene
Concen: 38.422 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1146863

Ion	Ratio	Lower	Upper
77	100		
182	26.3	4.2	44.2
105	21.4	1.5	41.5
51	29.2	10.4	50.4

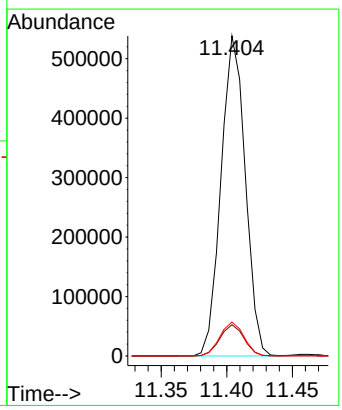


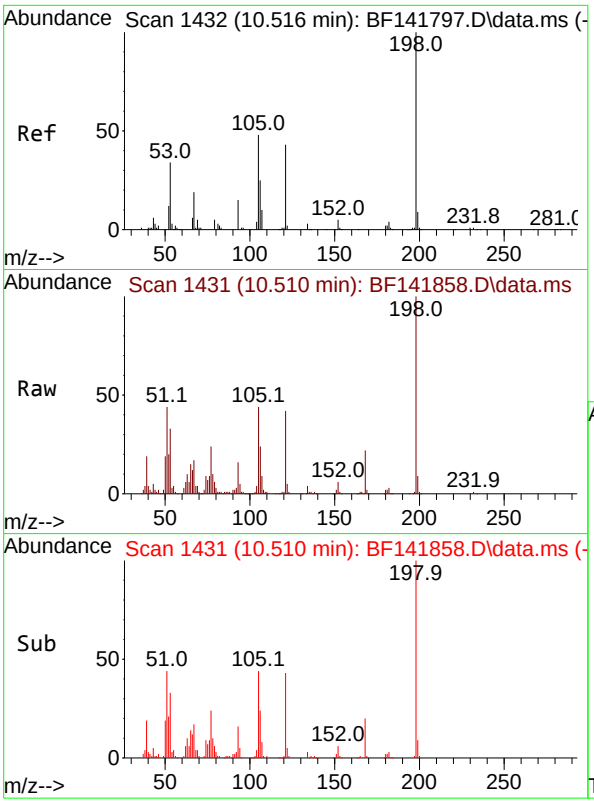


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:188 Resp: 691934

Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.9	13.3
80	10.6	9.7	14.5



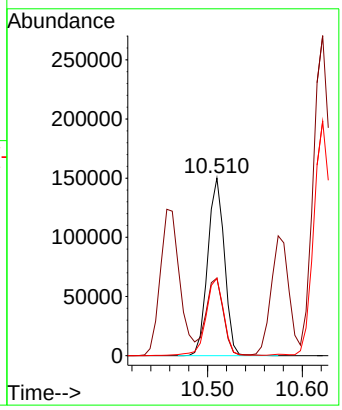


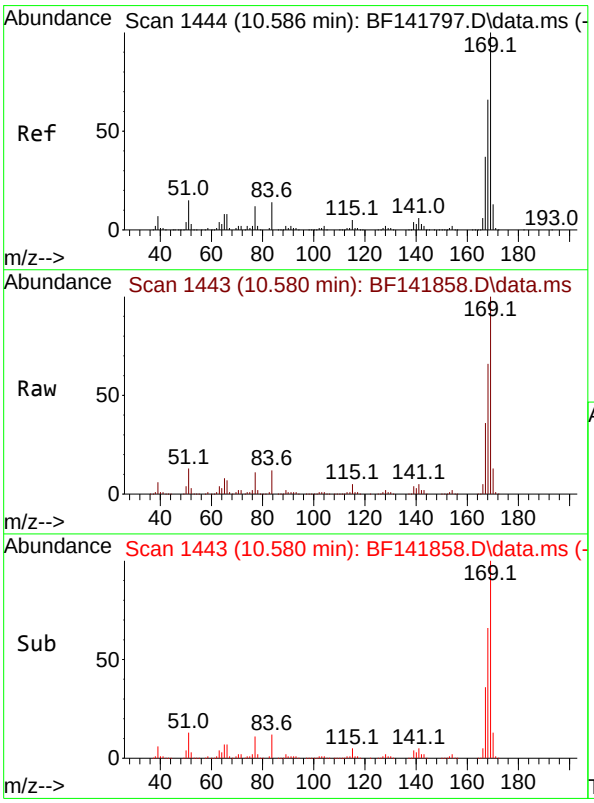
#65
4,6-Dinitro-2-methylphenol
Concen: 54.694 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 182658

Ion	Ratio	Lower	Upper
198	100		
51	43.7	32.1	72.1
105	43.6	28.5	68.5

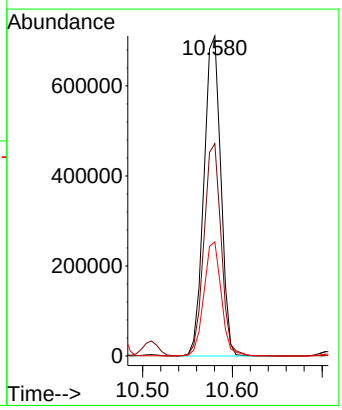


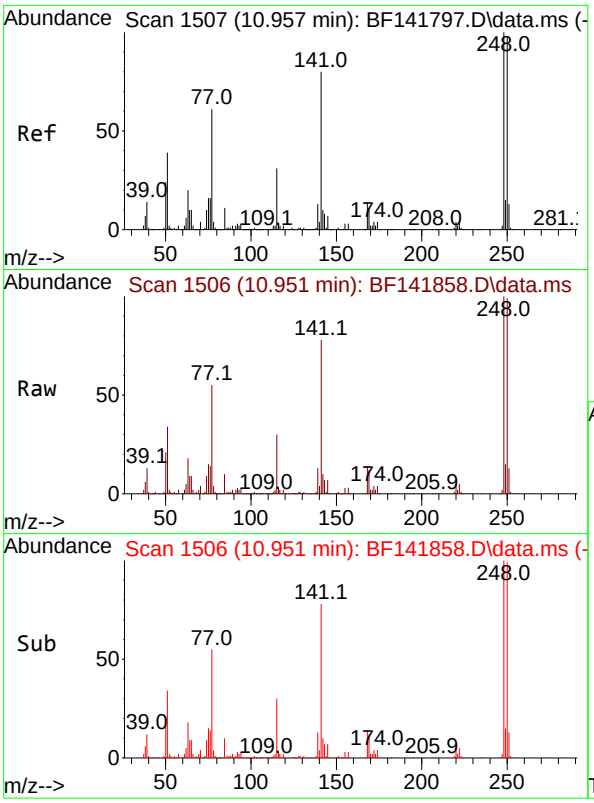


#66
n-Nitrosodiphenylamine
Concen: 40.832 ng
RT: 10.580 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:169 Resp: 927726

Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.0	79.6
167	35.7	29.3	43.9



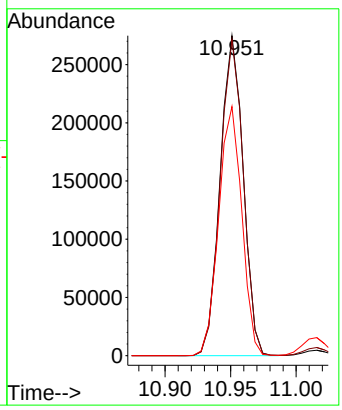


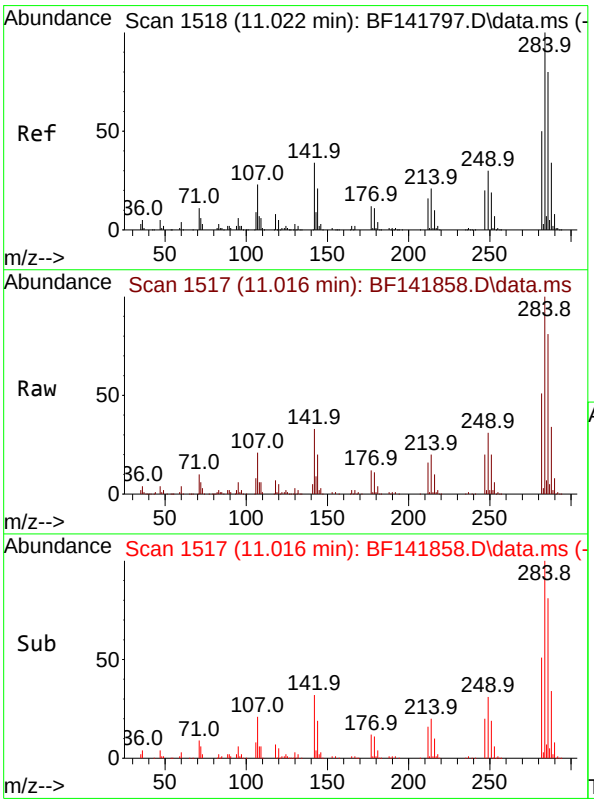
#67
4-Bromophenyl-phenylether
Concen: 41.606 ng
RT: 10.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 336262

Ion	Ratio	Lower	Upper
248	100		
250	98.8	78.1	117.1
141	77.9	64.3	96.5

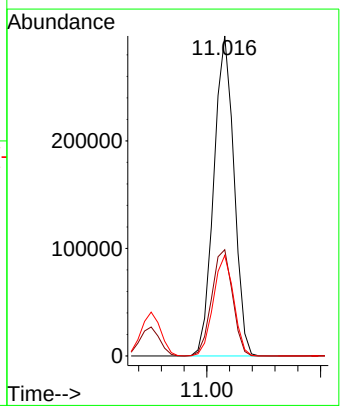


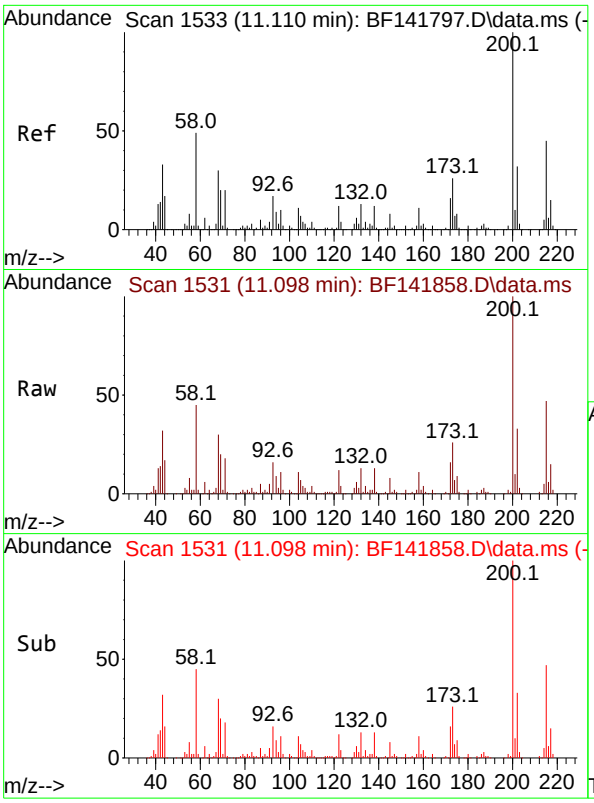


#68
Hexachlorobenzene
Concen: 43.090 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:284 Resp: 367747

Ion	Ratio	Lower	Upper
284	100		
142	33.2	28.2	42.2
249	31.4	25.5	38.3



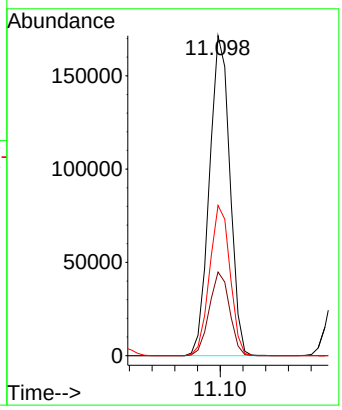


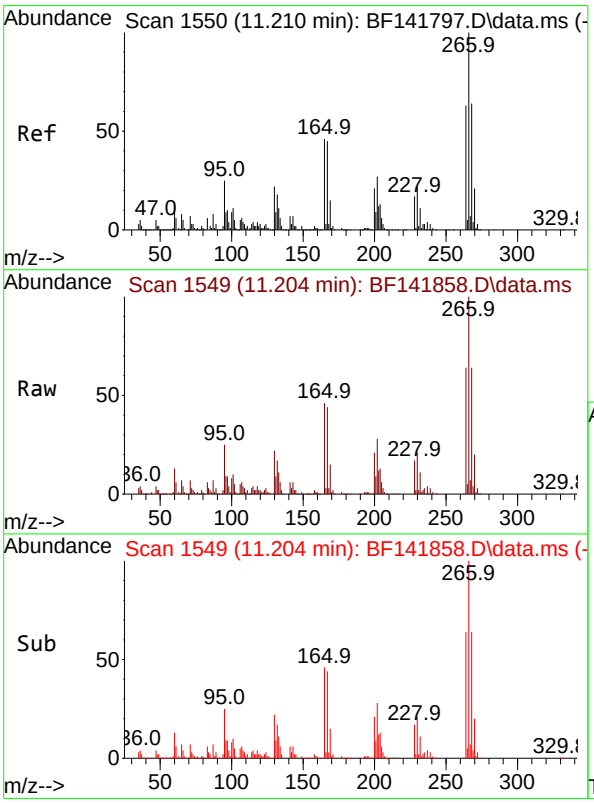
#69
Atrazine
Concen: 34.313 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 214392

Ion	Ratio	Lower	Upper
200	100		
173	26.2	5.6	45.6
215	47.0	25.3	65.3

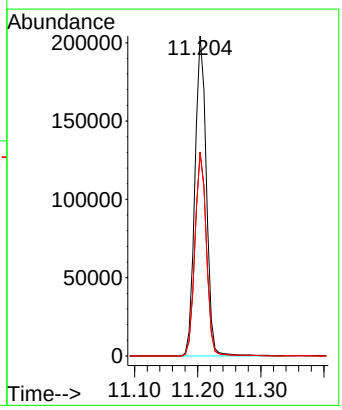


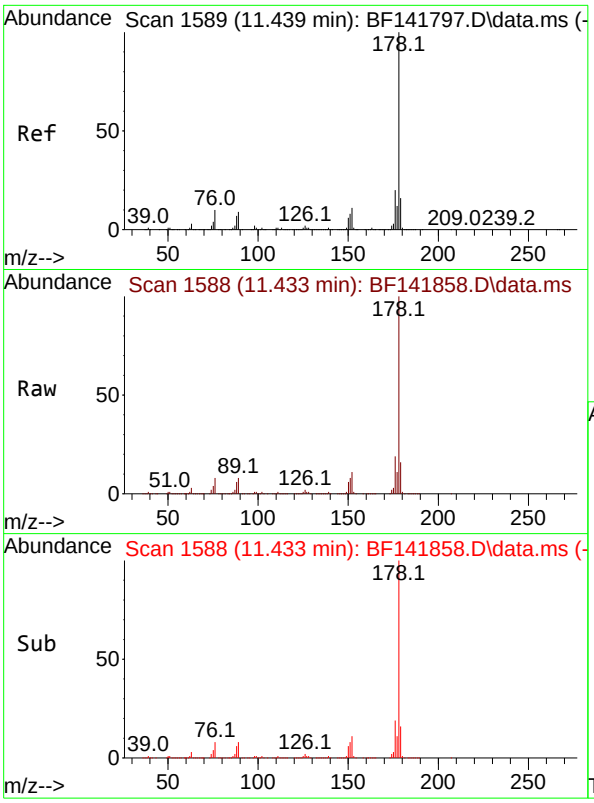


#70
Pentachlorophenol
Concen: 47.434 ng
RT: 11.204 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:266 Resp: 256754

Ion	Ratio	Lower	Upper
266	100		
268	63.8	50.9	76.3
264	63.5	50.2	75.4



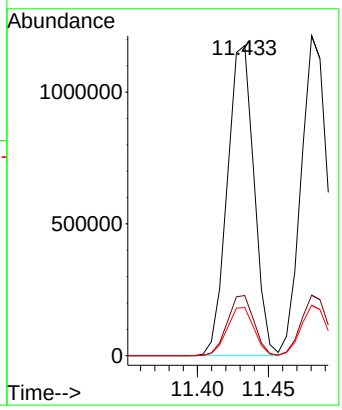


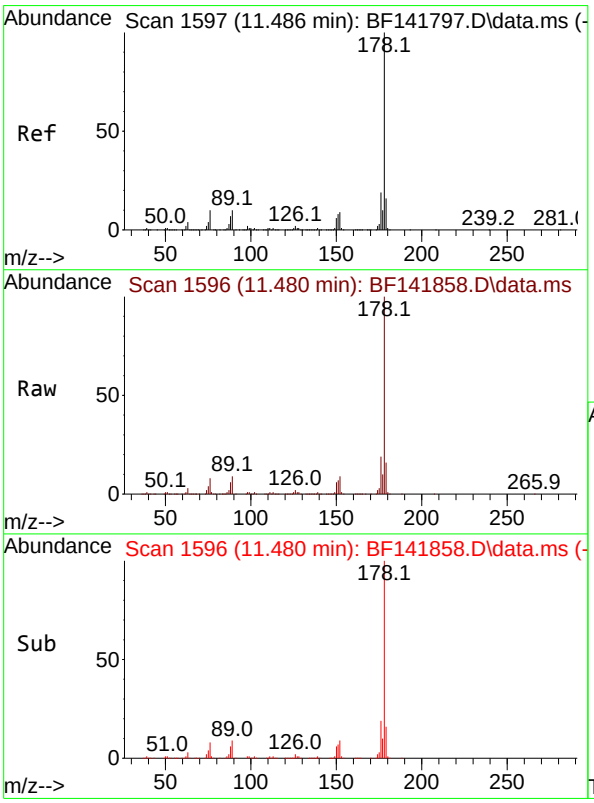
#71
Phenanthrene
Concen: 41.677 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 1542542

Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.0	24.0
179	15.6	12.6	19.0

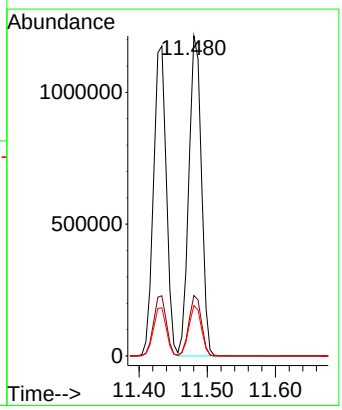


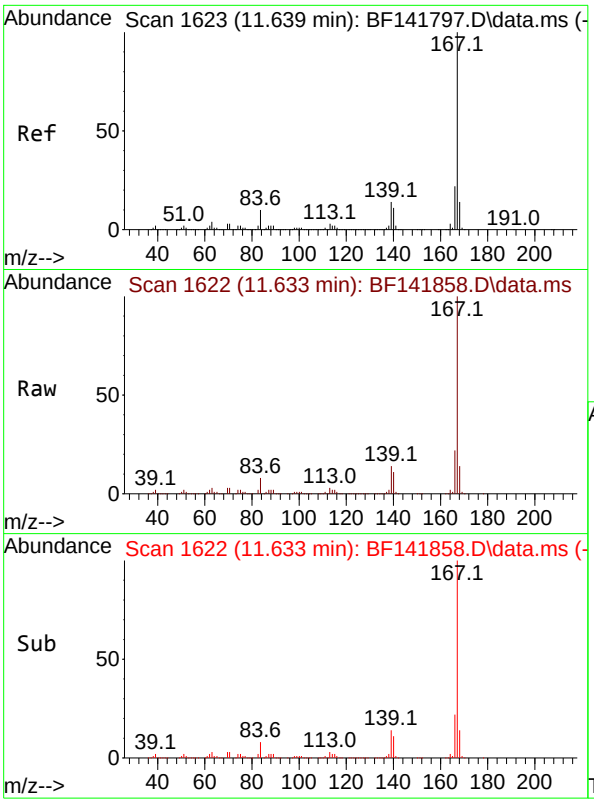


#72
Anthracene
Concen: 41.580 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:178 Resp: 1542354

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	15.8	12.8	19.2



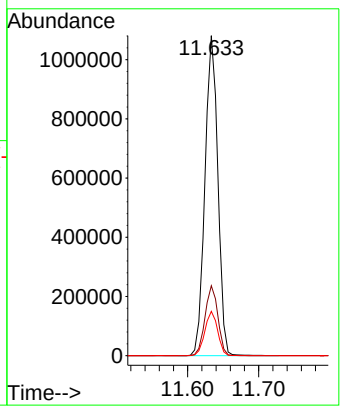


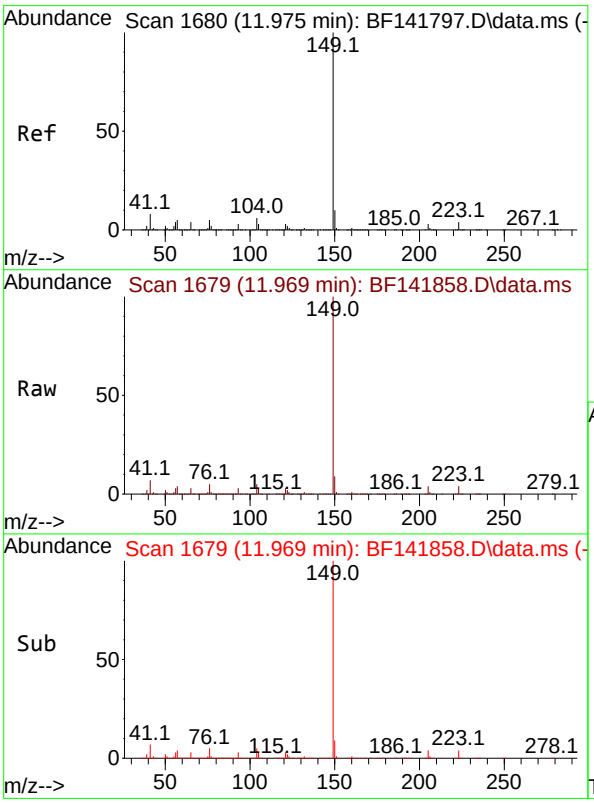
#73
Carbazole
Concen: 41.751 ng
RT: 11.633 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 1367611

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.5	26.3
139	13.8	11.3	16.9

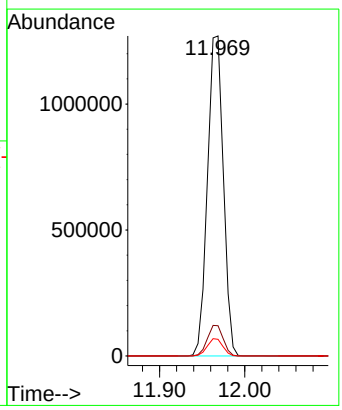


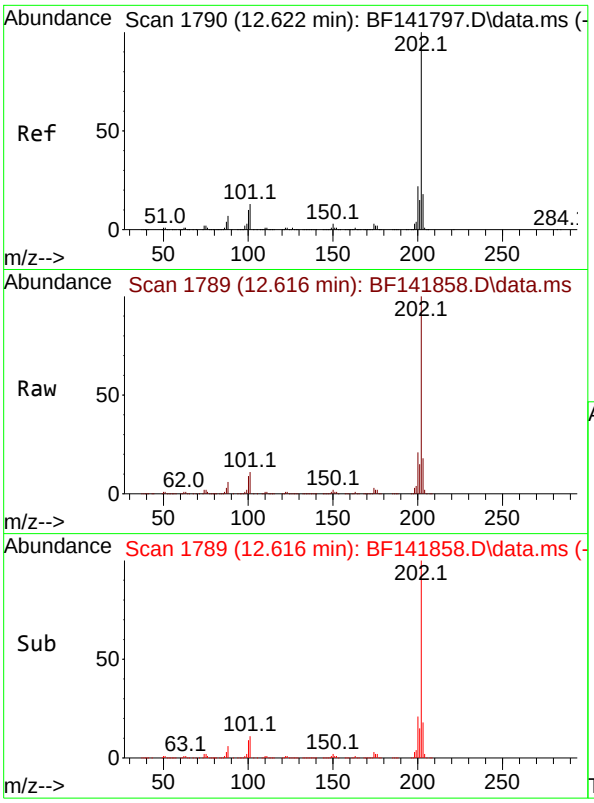


#74
Di-n-butylphthalate
Concen: 39.592 ng
RT: 11.969 min Scan# 1679
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:149 Resp: 1643939

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.7	11.5
104	5.2	4.4	6.6



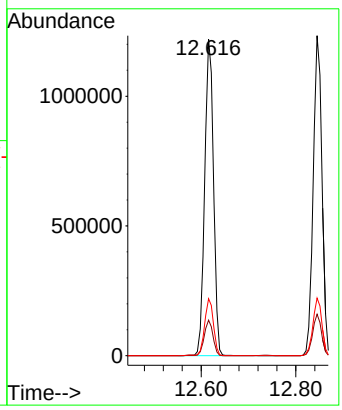


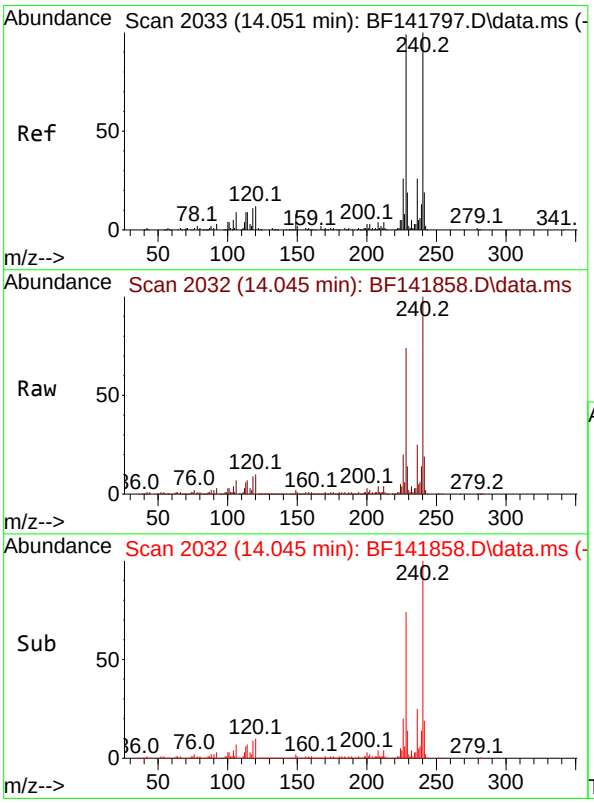
#75
Fluoranthene
Concen: 41.655 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 1579732

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	32.8
203	18.0	0.0	38.0

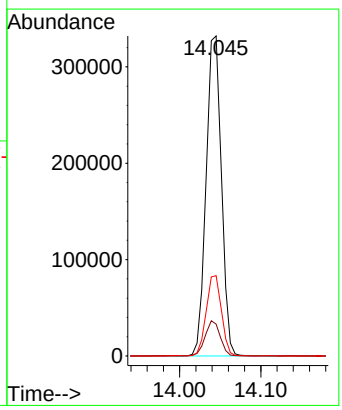


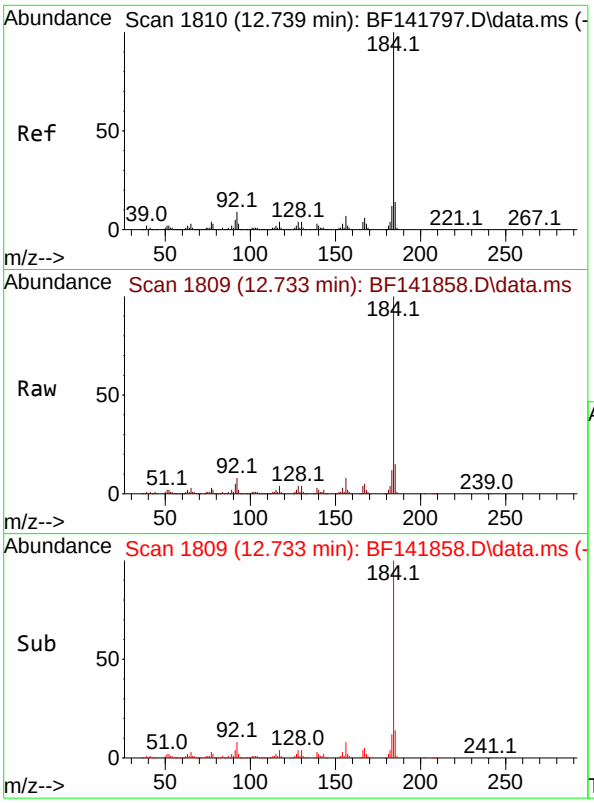


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:240 Resp: 434521

Ion	Ratio	Lower	Upper
240	100		
120	10.0	9.7	14.5
236	25.1	21.0	31.4



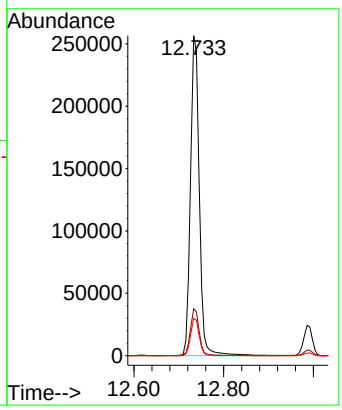


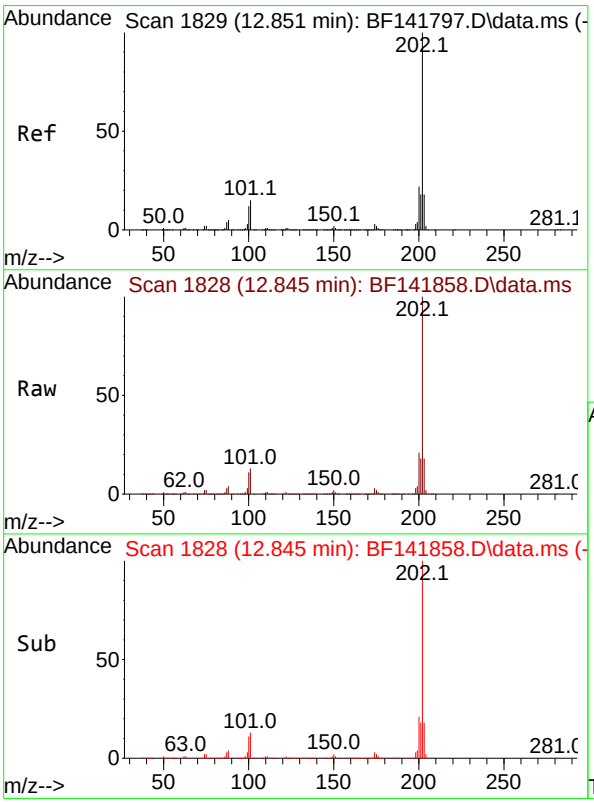
#77
Benzidine
Concen: 64.132 ng
RT: 12.733 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 350744

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.6	17.4
183	11.6	9.4	14.0

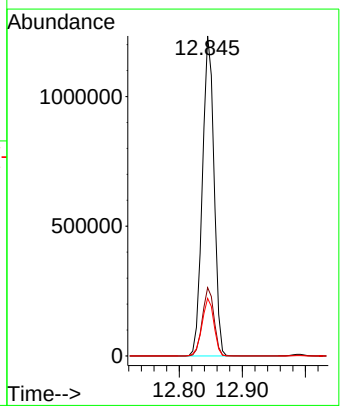


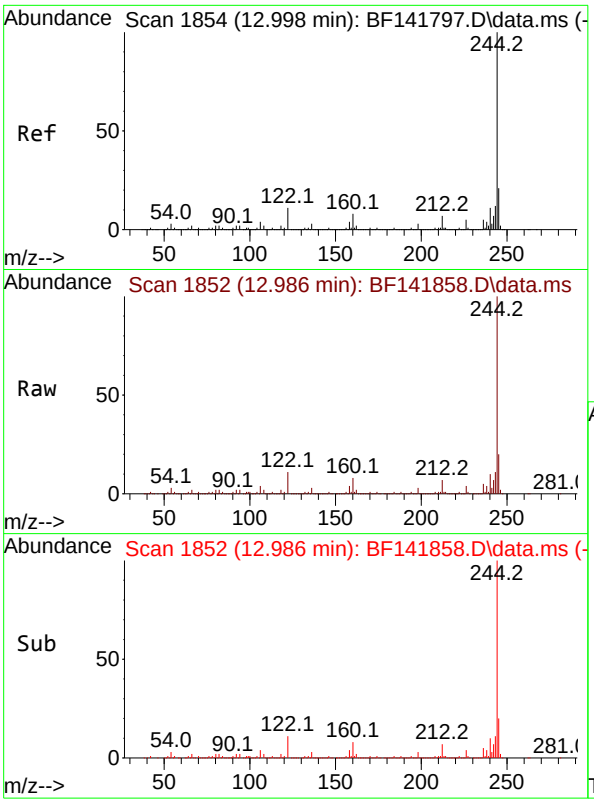


#78
Pyrene
Concen: 42.032 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:202 Resp: 1581543

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.0
203	18.0	14.6	22.0



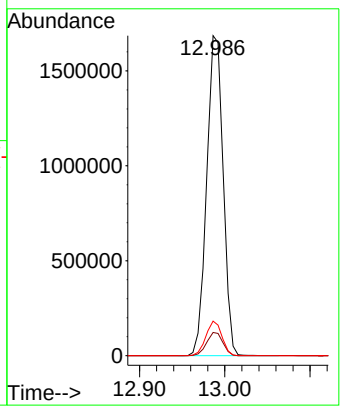


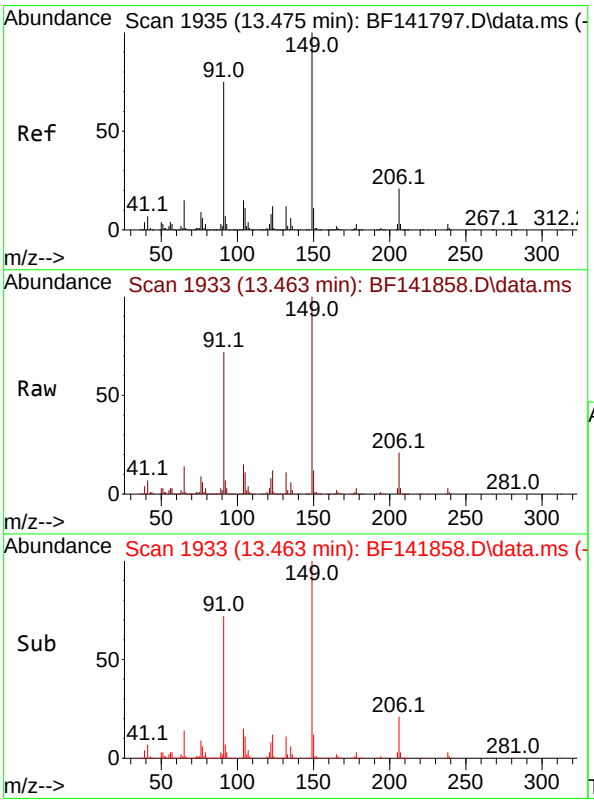
#79
Terphenyl-d14
Concen: 84.201 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 2261369

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	10.8	9.0	13.6

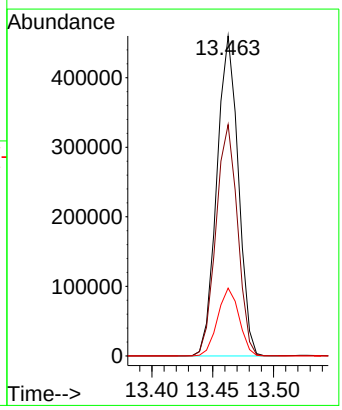


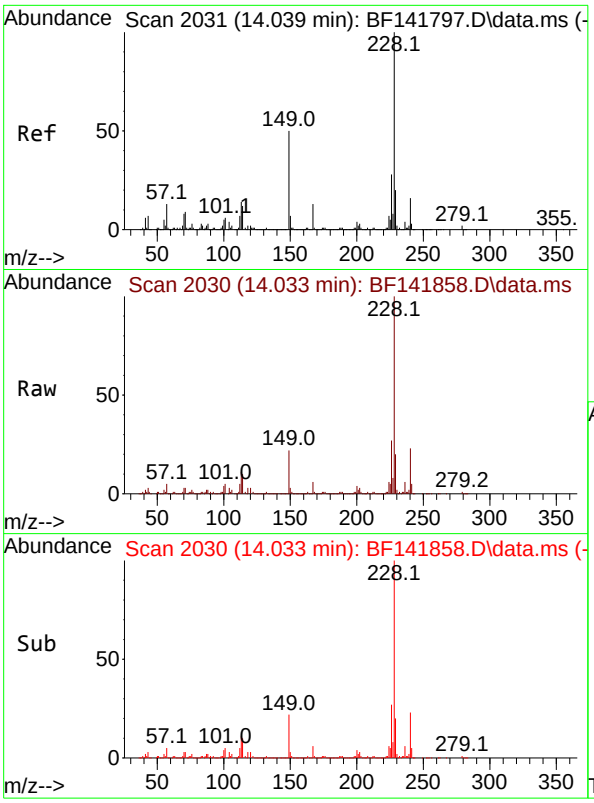


#80
Butylbenzylphthalate
Concen: 41.333 ng
RT: 13.463 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:149 Resp: 565050

Ion	Ratio	Lower	Upper
149	100		
91	72.3	60.1	90.1
206	21.2	16.8	25.2



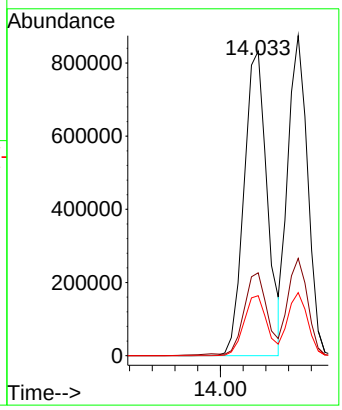


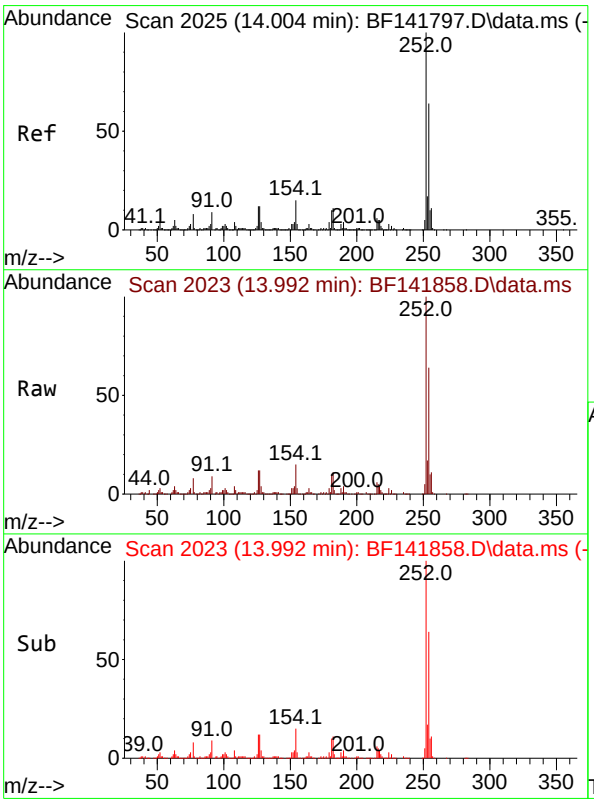
#81
Benzo(a)anthracene
Concen: 41.166 ng
RT: 14.033 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 1181513

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.1	33.1
229	19.7	16.1	24.1

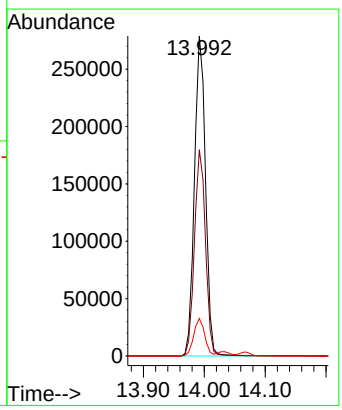


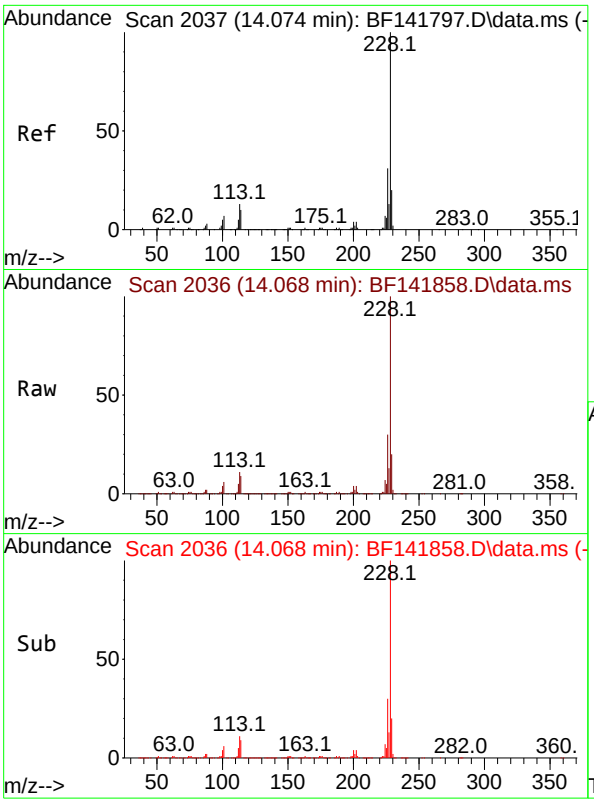


#82
3,3'-Dichlorobenzidine
Concen: 42.780 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:252 Resp: 352265

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.4	77.0
126	11.7	9.8	14.6



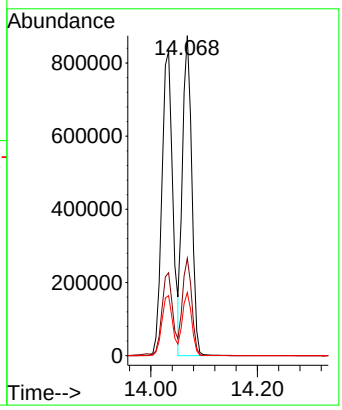


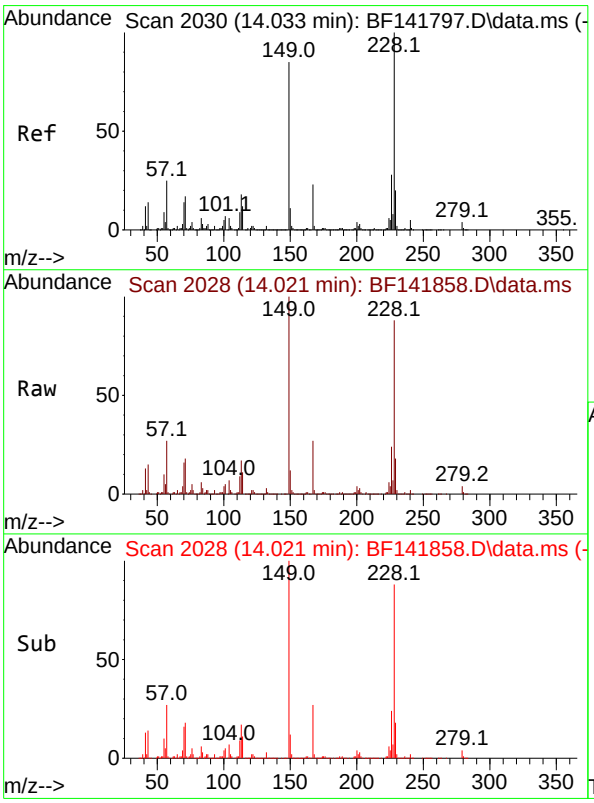
#83
Chrysene
Concen: 40.001 ng
RT: 14.068 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 1058301

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.6	37.0
229	19.7	16.1	24.1

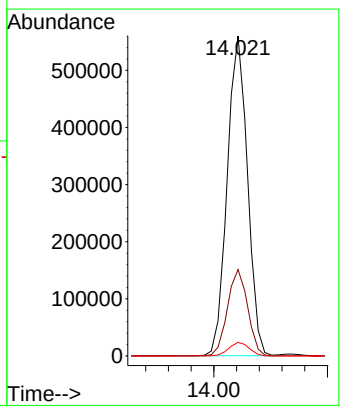


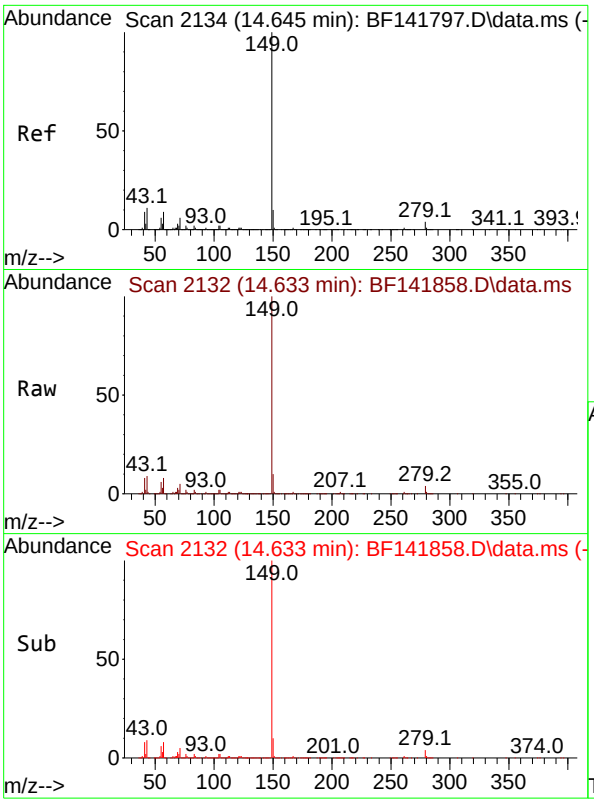


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.771 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:149 Resp: 694013

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.2	31.8
279	4.3	3.3	4.9



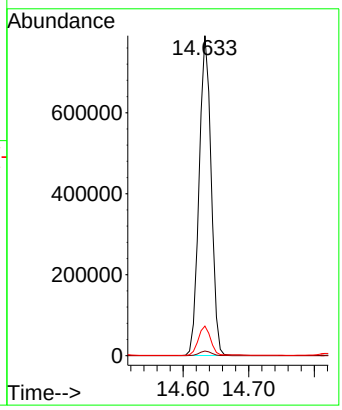


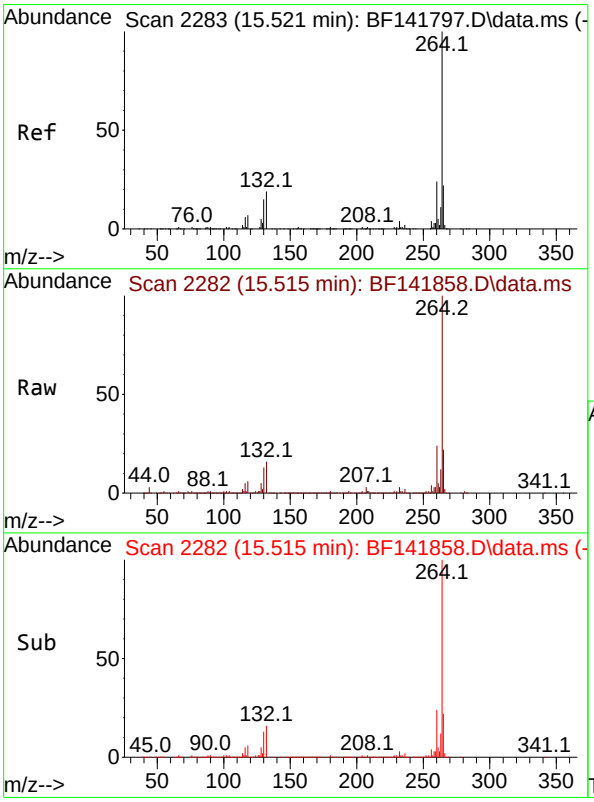
#85
Di-n-octyl phthalate
Concen: 39.653 ng
RT: 14.633 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 1010509

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.5	8.6	12.8

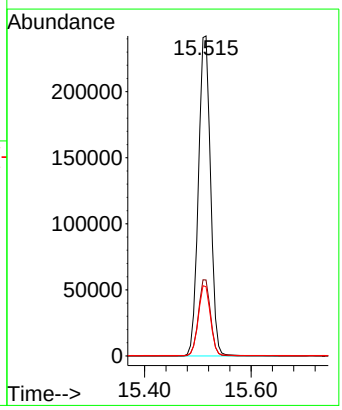


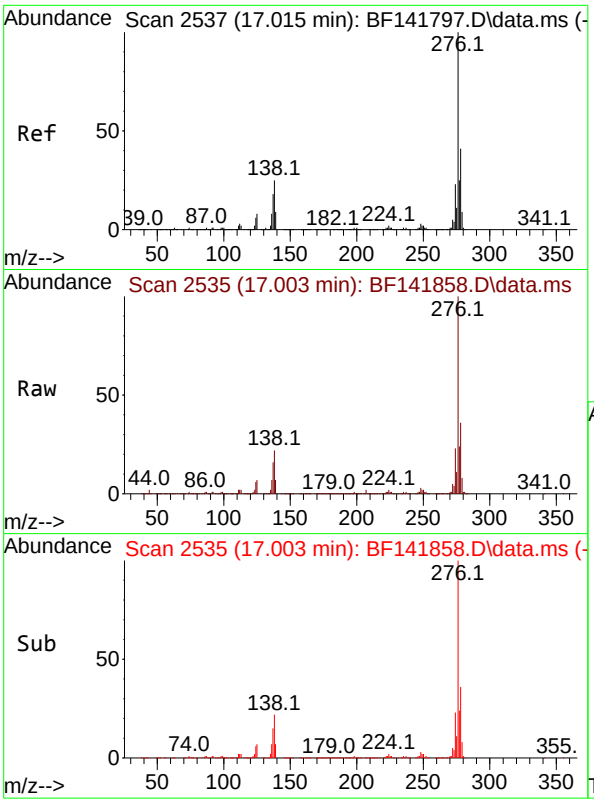


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 2282
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:264 Resp: 382575

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	21.7	17.4	26.0



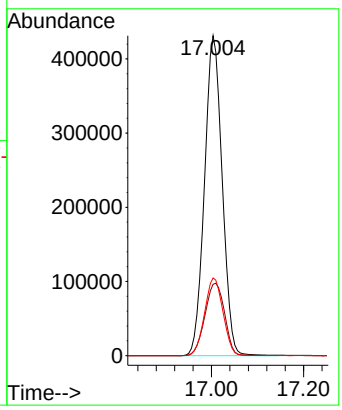


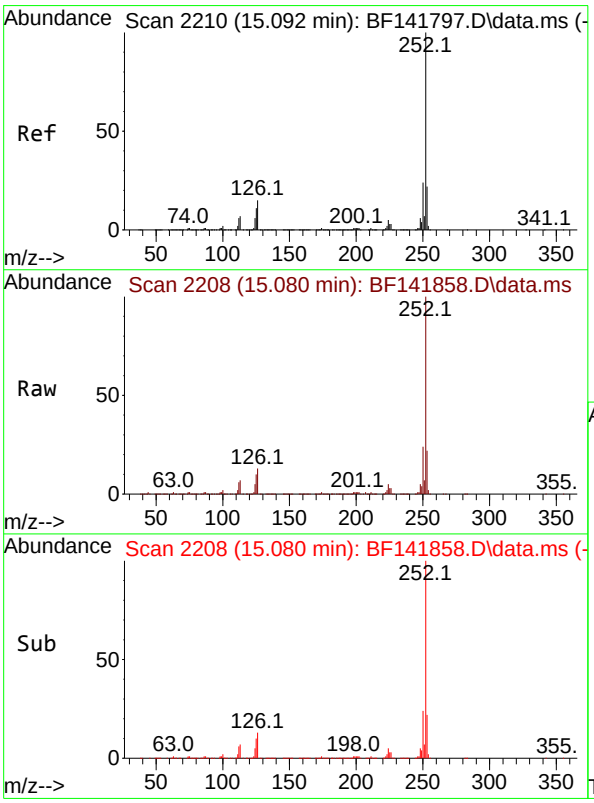
#87
Indeno(1,2,3-cd)pyrene
Concen: 47.319 ng
RT: 17.003 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 1152756

Ion	Ratio	Lower	Upper
276	100		
138	25.1	22.5	33.7
277	25.3	20.3	30.5

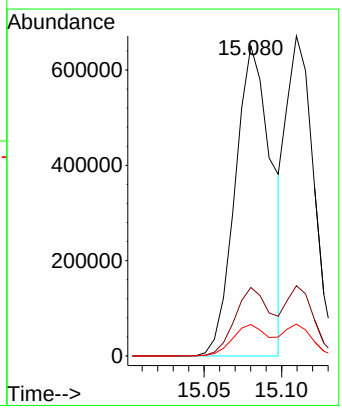


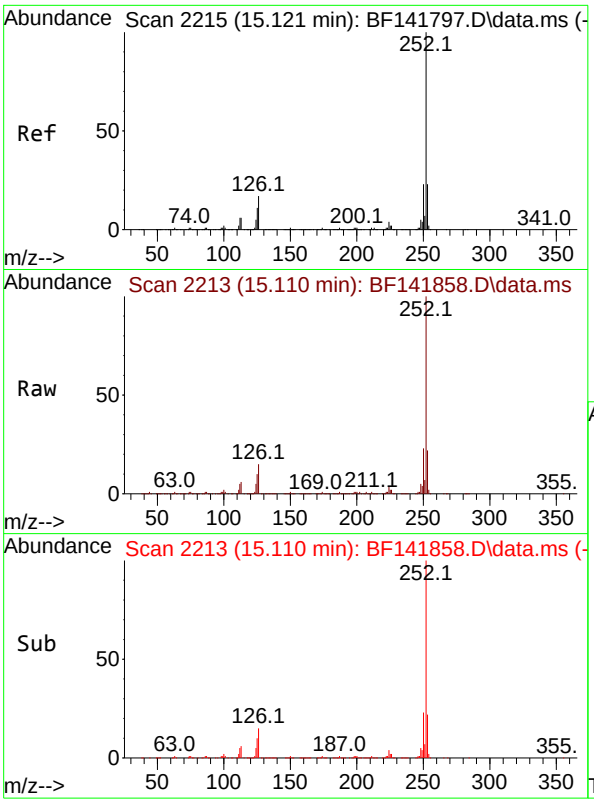


#88
Benzo(b)fluoranthene
Concen: 40.755 ng
RT: 15.080 min Scan# 2208
Delta R.T. -0.012 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:252 Resp: 1062079

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.2	8.6	13.0



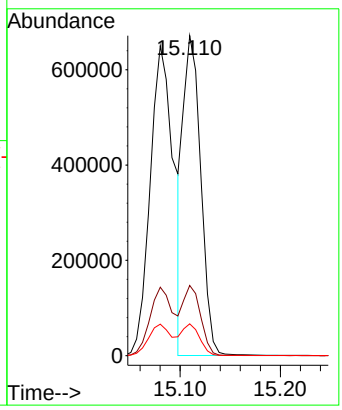


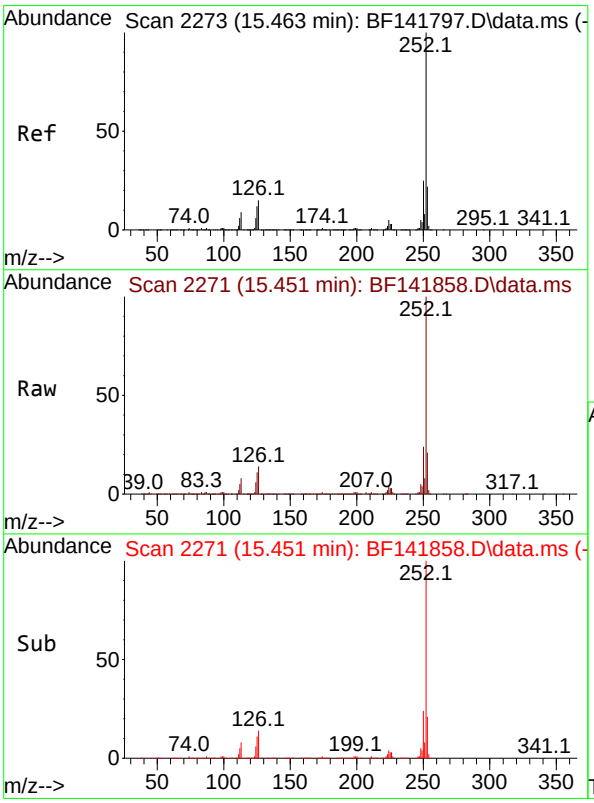
#89
Benzo(k)fluoranthene
Concen: 37.066 ng
RT: 15.110 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 821007

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	10.0	8.8	13.2

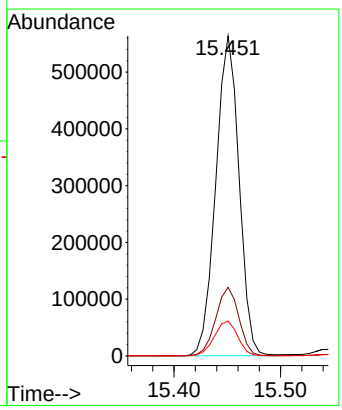


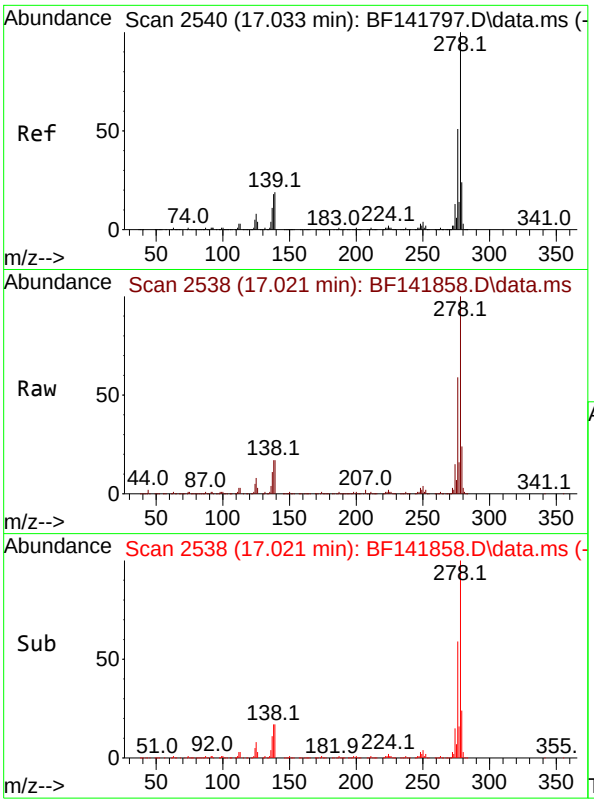


#90
Benzo(a)pyrene
Concen: 40.761 ng
RT: 15.451 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:252 Resp: 851884

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	10.9	9.4	14.2



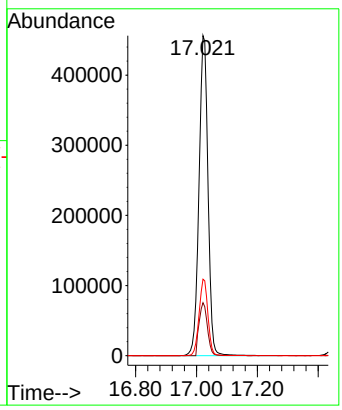


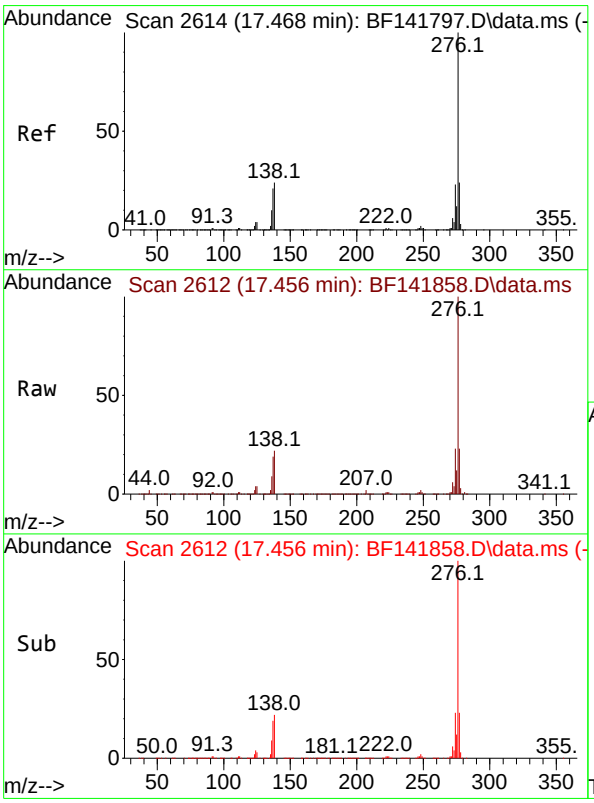
#91
Dibenzo(a,h)anthracene
Concen: 46.962 ng
RT: 17.021 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 933839

Ion	Ratio	Lower	Upper
278	100		
139	16.6	14.9	22.3
279	23.9	19.3	28.9

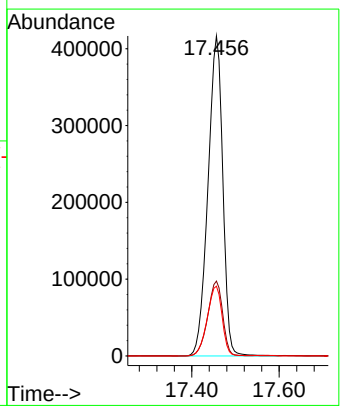




#92
Benzo(g,h,i)perylene
Concen: 48.133 ng
RT: 17.456 min Scan# 2612
Delta R.T. -0.012 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:276 Resp: 980552

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.4	29.0
138	21.8	19.3	28.9



Sample Results: **BF141858.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141858.D
Acq On : 06 Mar 2025 09:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 06 10:25:20 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

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	72	0.00
2		1,4-Dioxane	0.568	0.556	2.1	67	-0.02
3		Pyridine	1.414	1.372	3.0	67	-0.02
4		n-Nitrosodimethylamine	0.680	0.662	2.6	65	-0.02
5	S	2-Fluorophenol	1.252	1.263	-0.9	71	0.00
6		Aniline	1.695	1.594	6.0	64	0.00
7	S	Phenol-d6	1.630	1.584	2.8	68	0.00
8		2-Chlorophenol	1.355	1.366	-0.8	70	0.00
9		Benzaldehyde	0.948	0.847	10.7	62	0.00
10	C	Phenol	1.742	1.692	2.9	67	0.00
11		bis(2-Chloroethyl)ether	1.328	1.246	6.2	67	0.00
12		1,3-Dichlorobenzene	1.451	1.457	-0.4	70	0.00
13	C	1,4-Dichlorobenzene	1.462	1.504	-2.9	72	0.00
14		1,2-Dichlorobenzene	1.365	1.366	-0.1	70	0.00
15		Benzyl Alcohol	1.303	1.261	3.2	67	0.00
16		2,2'-oxybis(1-Chloropropane	2.016	1.664	17.5	58	0.00
17		2-Methylphenol	1.118	1.076	3.8	67	0.00
18		Hexachloroethane	0.547	0.554	-1.3	69	0.00
19	P	n-Nitroso-di-n-propylamine	1.072	0.946	11.8	63	0.00
20		3+4-Methylphenols	1.392	1.366	1.9	68	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	67	0.00
22		Acetophenone	0.487	0.490	-0.6	67	0.00
23	S	Nitrobenzene-d5	0.313	0.382	-22.0	76	0.00
24		Nitrobenzene	0.335	0.382	-14.0	71	0.00
25		Isophorone	0.672	0.635	5.5	63	0.00
26	C	2-Nitrophenol	0.127	0.188	-48.0#	88	0.00
27		2,4-Dimethylphenol	0.247	0.253	-2.4	67	0.00
28		bis(2-Chloroethoxy)methane	0.429	0.412	4.0	64	0.00
29	C	2,4-Dichlorophenol	0.285	0.305	-7.0	69	0.00
30		1,2,4-Trichlorobenzene	0.312	0.332	-6.4	70	0.00
31		Naphthalene	1.028	1.054	-2.5	68	0.00
32		Benzoic acid	0.179	0.250	-39.7#	88	-0.02
33		4-Chloroaniline	0.377	0.374	0.8	67	0.00
34	C	Hexachlorobutadiene	0.194	0.208	-7.2	71	0.00
35		Caprolactam	0.088	0.093	-5.7	68	-0.01
36	C	4-Chloro-3-methylphenol	0.317	0.330	-4.1	68	0.00
37		2-Methylnaphthalene	0.674	0.684	-1.5	68	0.00
38		1-Methylnaphthalene	0.647	0.657	-1.5	68	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	68	0.00
40		1,2,4,5-Tetrachlorobenzene	0.578	0.607	-5.0	70	0.00
41	P	Hexachlorocyclopentadiene	0.241	0.266	-10.4	69	0.00
42	S	2,4,6-Tribromophenol	0.188	0.224	-19.1	76	0.00
43	C	2,4,6-Trichlorophenol	0.373	0.399	-7.0	68	0.00
44		2,4,5-Trichlorophenol	0.369	0.413	-11.9	73	0.00
45	S	2-Fluorobiphenyl	1.247	1.292	-3.6	71	0.00
46		1,1'-Biphenyl	1.522	1.560	-2.5	69	0.00
47		2-Chloronaphthalene	1.124	1.157	-2.9	69	0.00

Sample Results: **BF141858.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141858.D
Acq On : 06 Mar 2025 09:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 06 10:25:20 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

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	0.356	-36.9#	80	0.00
49		Acenaphthylene	1.685	1.735	-3.0	68	-0.01
50		Dimethylphthalate	1.339	1.363	-1.8	68	-0.01
51		2,6-Dinitrotoluene	0.226	0.300	-32.7#	79	-0.01
52	C	Acenaphthene	1.137	1.209	-6.3	71	0.00
53		3-Nitroaniline	0.241	0.314	-30.3#	77	0.00
54	P	2,4-Dinitrophenol	0.089	0.159	-78.7#	116	0.00
55		Dibenzofuran	1.654	1.682	-1.7	68	0.00
56	P	4-Nitrophenol	0.198	0.262	-32.3#	77	0.00
57		2,4-Dinitrotoluene	0.269	0.396	-47.2#	85	0.00
58		Fluorene	1.239	1.270	-2.5	70	0.00
59		2,3,4,6-Tetrachlorophenol	0.321	0.362	-12.8	72	0.00
60		Diethylphthalate	1.343	1.344	-0.1	66	-0.01
61		4-Chlorophenyl-phenylether	0.621	0.640	-3.1	70	0.00
62		4-Nitroaniline	0.229	0.307	-34.1#	78	-0.01
63		Azobenzene	1.414	1.358	4.0	64	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	67	0.00
65		4,6-Dinitro-2-methylphenol	0.081	0.132	-63.0#	102	0.00
66	c	n-Nitrosodiphenylamine	0.657	0.670	-2.0	68	0.00
67		4-Bromophenyl-phenylether	0.234	0.243	-3.8	69	0.00
68		Hexachlorobenzene	0.247	0.266	-7.7	71	0.00
69		Atrazine	0.181	0.155	14.4	58	-0.01
70	C	Pentachlorophenol	0.156	0.186	-19.2	74	0.00
71		Phenanthrene	1.070	1.115	-4.2	70	0.00
72		Anthracene	1.072	1.115	-4.0	70	0.00
73		Carbazole	0.947	0.988	-4.3	69	0.00
74		Di-n-butylphthalate	1.200	1.188	1.0	66	0.00
75	C	Fluoranthene	1.096	1.142	-4.2	70	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	69	0.00
77		Benzidine	0.252	0.404	-60.3#	107	0.00
78		Pyrene	1.732	1.820	-5.1	70	0.00
79	S	Terphenyl-d14	1.236	1.301	-5.3	71	-0.01
80		Butylbenzylphthalate	0.629	0.650	-3.3	67	-0.01
81		Benzo(a)anthracene	1.321	1.360	-3.0	72	0.00
82		3,3'-Dichlorobenzidine	0.379	0.405	-6.9	71	-0.01
83		Chrysene	1.218	1.218	0.0	66	0.00
84		Bis(2-ethylhexyl)phthalate	0.783	0.799	-2.0	66	-0.01
85	c	Di-n-octyl phthalate	1.173	1.163	0.9	61	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	67	0.00
87		Indeno(1,2,3-cd)pyrene	1.274	1.507	-18.3	76	-0.01
88		Benzo(b)fluoranthene	1.362	1.388	-1.9	72	-0.01
89		Benzo(k)fluoranthene	1.158	1.073	7.3	60	-0.01
90	C	Benzo(a)pyrene	1.093	1.113	-1.8	67	-0.01
91		Dibenzo(a,h)anthracene	1.040	1.220	-17.3	74	-0.01
92		Benzo(g,h,i)perylene	1.065	1.282	-20.4	77	-0.01

Sample Results: **BF141858.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141858.D
Acq On : 06 Mar 2025 09:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 06 10:25:20 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Sample Results: **BF141858.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141858.D
Acq On : 06 Mar 2025 09:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 06 10:25:20 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

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	72	0.00
2		1,4-Dioxane	40.000	39.116	2.2	67	-0.02
3		Pyridine	40.000	38.819	3.0	67	-0.02
4		n-Nitrosodimethylamine	40.000	38.909	2.7	65	-0.02
5	S	2-Fluorophenol	80.000	80.684	-0.9	71	0.00
6		Aniline	40.000	37.619	6.0	64	0.00
7	S	Phenol-d6	80.000	77.750	2.8	68	0.00
8		2-Chlorophenol	40.000	40.331	-0.8	70	0.00
9		Benzaldehyde	40.000	35.716	10.7	62	0.00
10	C	Phenol	40.000	38.850	2.9	67	0.00
11		bis(2-Chloroethyl)ether	40.000	37.524	6.2	67	0.00
12		1,3-Dichlorobenzene	40.000	40.171	-0.4	70	0.00
13	C	1,4-Dichlorobenzene	40.000	41.163	-2.9	72	0.00
14		1,2-Dichlorobenzene	40.000	40.035	-0.1	70	0.00
15		Benzyl Alcohol	40.000	38.708	3.2	67	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	33.001	17.5	58	0.00
17		2-Methylphenol	40.000	38.479	3.8	67	0.00
18		Hexachloroethane	40.000	40.497	-1.2	69	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	35.298	11.8	63	0.00
20		3+4-Methylphenols	40.000	39.253	1.9	68	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	67	0.00
22		Acetophenone	40.000	40.243	-0.6	67	0.00
23	S	Nitrobenzene-d5	80.000	97.772	-22.2	76	0.00
24		Nitrobenzene	40.000	45.653	-14.1	71	0.00
25		Isophorone	40.000	37.814	5.5	63	0.00
26	C	2-Nitrophenol	40.000	49.968	-24.9#	88	0.00
27		2,4-Dimethylphenol	40.000	40.956	-2.4	67	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.448	3.9	64	0.00
29	C	2,4-Dichlorophenol	40.000	42.802	-7.0	69	0.00
30		1,2,4-Trichlorobenzene	40.000	42.568	-6.4	70	0.00
31		Naphthalene	40.000	41.026	-2.6	68	0.00
32		Benzoic acid	40.000	48.428	-21.1	88	-0.02
33		4-Chloroaniline	40.000	39.713	0.7	67	0.00
34	C	Hexachlorobutadiene	40.000	42.902	-7.3	71	0.00
35		Caprolactam	40.000	42.235	-5.6	68	-0.01
36	C	4-Chloro-3-methylphenol	40.000	41.661	-4.2	68	0.00
37		2-Methylnaphthalene	40.000	40.571	-1.4	68	0.00
38		1-Methylnaphthalene	40.000	40.609	-1.5	68	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	68	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	42.066	-5.2	70	0.00
41	P	Hexachlorocyclopentadiene	40.000	44.067	-10.2	69	0.00
42	S	2,4,6-Tribromophenol	80.000	95.540	-19.4	76	0.00
43	C	2,4,6-Trichlorophenol	40.000	42.772	-6.9	68	0.00
44		2,4,5-Trichlorophenol	40.000	44.739	-11.8	73	0.00
45	S	2-Fluorobiphenyl	80.000	82.849	-3.6	71	0.00
46		1,1'-Biphenyl	40.000	40.994	-2.5	69	0.00
47		2-Chloronaphthalene	40.000	41.199	-3.0	69	0.00

Sample Results: **BF141858.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141858.D
Acq On : 06 Mar 2025 09:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 06 10:25:20 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	46.508	-16.3	80	0.00
49		Acenaphthylene	40.000	41.204	-3.0	68	-0.01
50		Dimethylphthalate	40.000	40.693	-1.7	68	-0.01
51		2,6-Dinitrotoluene	40.000	46.842	-17.1	79	-0.01
52	C	Acenaphthene	40.000	42.527	-6.3	71	0.00
53		3-Nitroaniline	40.000	46.137	-15.3	77	0.00
54	P	2,4-Dinitrophenol	40.000	59.722	-49.3#	116	0.00
55		Dibenzofuran	40.000	40.671	-1.7	68	0.00
56	P	4-Nitrophenol	40.000	52.954	-32.4#	77	0.00
57		2,4-Dinitrotoluene	40.000	50.419	-26.0#	85	0.00
58		Fluorene	40.000	41.003	-2.5	70	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	45.123	-12.8	72	0.00
60		Diethylphthalate	40.000	40.052	-0.1	66	-0.01
61		4-Chlorophenyl-phenylether	40.000	41.246	-3.1	70	0.00
62		4-Nitroaniline	40.000	53.688	-34.2#	78	-0.01
63		Azobenzene	40.000	38.422	3.9	64	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	67	0.00
65		4,6-Dinitro-2-methylphenol	40.000	54.694	-36.7#	102	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.832	-2.1	68	0.00
67		4-Bromophenyl-phenylether	40.000	41.606	-4.0	69	0.00
68		Hexachlorobenzene	40.000	43.090	-7.7	71	0.00
69		Atrazine	40.000	34.313	14.2	58	-0.01
70	C	Pentachlorophenol	40.000	47.434	-18.6	74	0.00
71		Phenanthrene	40.000	41.677	-4.2	70	0.00
72		Anthracene	40.000	41.580	-3.9	70	0.00
73		Carbazole	40.000	41.751	-4.4	69	0.00
74		Di-n-butylphthalate	40.000	39.592	1.0	66	0.00
75	C	Fluoranthene	40.000	41.655	-4.1	70	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	69	0.00
77		Benzidine	40.000	64.132	-60.3#	107	0.00
78		Pyrene	40.000	42.032	-5.1	70	0.00
79	S	Terphenyl-d14	80.000	84.201	-5.3	71	-0.01
80		Butylbenzylphthalate	40.000	41.333	-3.3	67	-0.01
81		Benzo(a)anthracene	40.000	41.166	-2.9	72	0.00
82		3,3'-Dichlorobenzidine	40.000	42.780	-7.0	71	-0.01
83		Chrysene	40.000	40.001	-0.0	66	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	40.771	-1.9	66	-0.01
85	c	Di-n-octyl phthalate	40.000	39.653	0.9	61	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	67	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	47.319	-18.3	76	-0.01
88		Benzo(b)fluoranthene	40.000	40.755	-1.9	72	-0.01
89		Benzo(k)fluoranthene	40.000	37.066	7.3	60	-0.01
90	C	Benzo(a)pyrene	40.000	40.761	-1.9	67	-0.01
91		Dibenzo(a,h)anthracene	40.000	46.962	-17.4	74	-0.01
92		Benzo(g,h,i)perylene	40.000	48.133	-20.3	77	-0.01

Sample Results: **BF141858.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141858.D
Acq On : 06 Mar 2025 09:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 06 10:25:20 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Raw Data: **BF141910.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1492 SAS No.: Q1492 SDG No.: Q1492

Instrument ID: BNA_F Calibration Date/Time: 03/11/2025 11:51

Lab File ID: BF141910.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:01 15:20

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.198	1.135		-5.3	
Phenol-d6	1.526	1.442		-5.5	
Nitrobenzene-d5	0.355	0.347		-2.3	
Naphthalene	1.027	0.978		-4.8	
2-Fluorobiphenyl	1.315	1.239		-5.8	
Acenaphthylene	1.681	1.623		-3.5	
Acenaphthene	1.181	1.139		-3.6	20.0
Fluorene	1.302	1.239		-4.8	
2,4,6-Tribromophenol	0.254	0.255		0.4	
Phenanthrene	1.080	1.027		-4.9	
Anthracene	1.084	1.031		-4.9	
Fluoranthene	1.146	1.067		-6.9	20.0
Pyrene	1.730	1.662		-3.9	
Terphenyl-d14	1.353	1.336		-1.3	
Benzo(a)anthracene	1.312	1.219		-7.1	
Chrysene	1.190	1.169		-1.8	
Benzo(b)fluoranthene	1.371	1.224		-10.7	
Benzo(k)fluoranthene	1.173	1.141		-2.7	
Benzo(a)pyrene	1.073	1.020		-4.9	20.0
Indeno(1,2,3-cd)pyrene	1.294	1.240		-4.2	
Dibenzo(a,h)anthracene	1.067	1.021		-4.3	
Benzo(g,h,i)perylene	1.055	1.000		-5.2	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141910.D
Acq On : 11 Mar 2025 11:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Mar 11 12:36:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	212930	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	840081	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	479107	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	819898	20.000	ng	0.00
76) Chrysene-d12	14.039	240	519479	20.000	ng	0.00
86) Perylene-d12	15.509	264	442953	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	966380	75.745	ng	0.00
7) Phenol-d6	6.504	99	1228433	75.624	ng	0.00
23) Nitrobenzene-d5	7.445	82	1166556	78.146	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	488429	80.359	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2374971	75.388	ng	0.00
79) Terphenyl-d14	12.986	244	2775945	79.004	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.675	88	207900	38.891	ng	99
3) Pyridine	3.434	79	509090	38.824	ng	99
4) n-Nitrosodimethylamine	3.393	42	242195	38.747	ng	98
6) Aniline	6.545	93	619097	38.634	ng	100
8) 2-Chlorophenol	6.669	128	542074	38.309	ng	99
9) Benzaldehyde	6.434	77	337776	37.180	ng	100
10) Phenol	6.516	94	651072	38.098	ng	98
11) bis(2-Chloroethyl)ether	6.616	93	484388	37.748	ng	100
12) 1,3-Dichlorobenzene	6.822	146	582982	38.163	ng	100
13) 1,4-Dichlorobenzene	6.898	146	594118	38.438	ng	100
14) 1,2-Dichlorobenzene	7.051	146	554766	38.106	ng	99
15) Benzyl Alcohol	7.022	79	506215	38.547	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	568739	36.712	ng	99
17) 2-Methylphenol	7.128	107	430396	38.255	ng	99
18) Hexachloroethane	7.392	117	225190	38.853	ng	100
19) n-Nitroso-di-n-propyla...	7.298	70	387430	37.118	ng	100
20) 3+4-Methylphenols	7.281	107	548388	38.055	ng	98
22) Acetophenone	7.292	105	763464	37.949	ng	99
24) Nitrobenzene	7.463	77	576817	38.869	ng	100
25) Isophorone	7.704	82	1009454	38.255	ng	100
26) 2-Nitrophenol	7.775	139	298908	41.039	ng	98
27) 2,4-Dimethylphenol	7.810	122	392258	39.112	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	629638	38.044	ng	100
29) 2,4-Dichlorophenol	8.016	162	481689	38.695	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	529203	38.575	ng	98
31) Naphthalene	8.186	128	1643492	38.085	ng	100
32) Benzoic acid	7.928	122	369497	41.912	ng	98
33) 4-Chloroaniline	8.233	127	585849	38.457	ng	99
34) Hexachlorobutadiene	8.304	225	351479	39.286	ng	98
35) Caprolactam	8.604	113	144643	38.112	ng	96
36) 4-Chloro-3-methylphenol	8.704	107	534161	38.467	ng	99
37) 2-Methylnaphthalene	8.875	142	1115480	38.672	ng	100
38) 1-Methylnaphthalene	8.975	142	1060457	38.099	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	568573	38.978	ng	98
41) Hexachlorocyclopentadiene	9.028	237	230480	40.373	ng	100
43) 2,4,6-Trichlorophenol	9.145	196	382004	40.071	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141910.D
Acq On : 11 Mar 2025 11:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Mar 11 12:36:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

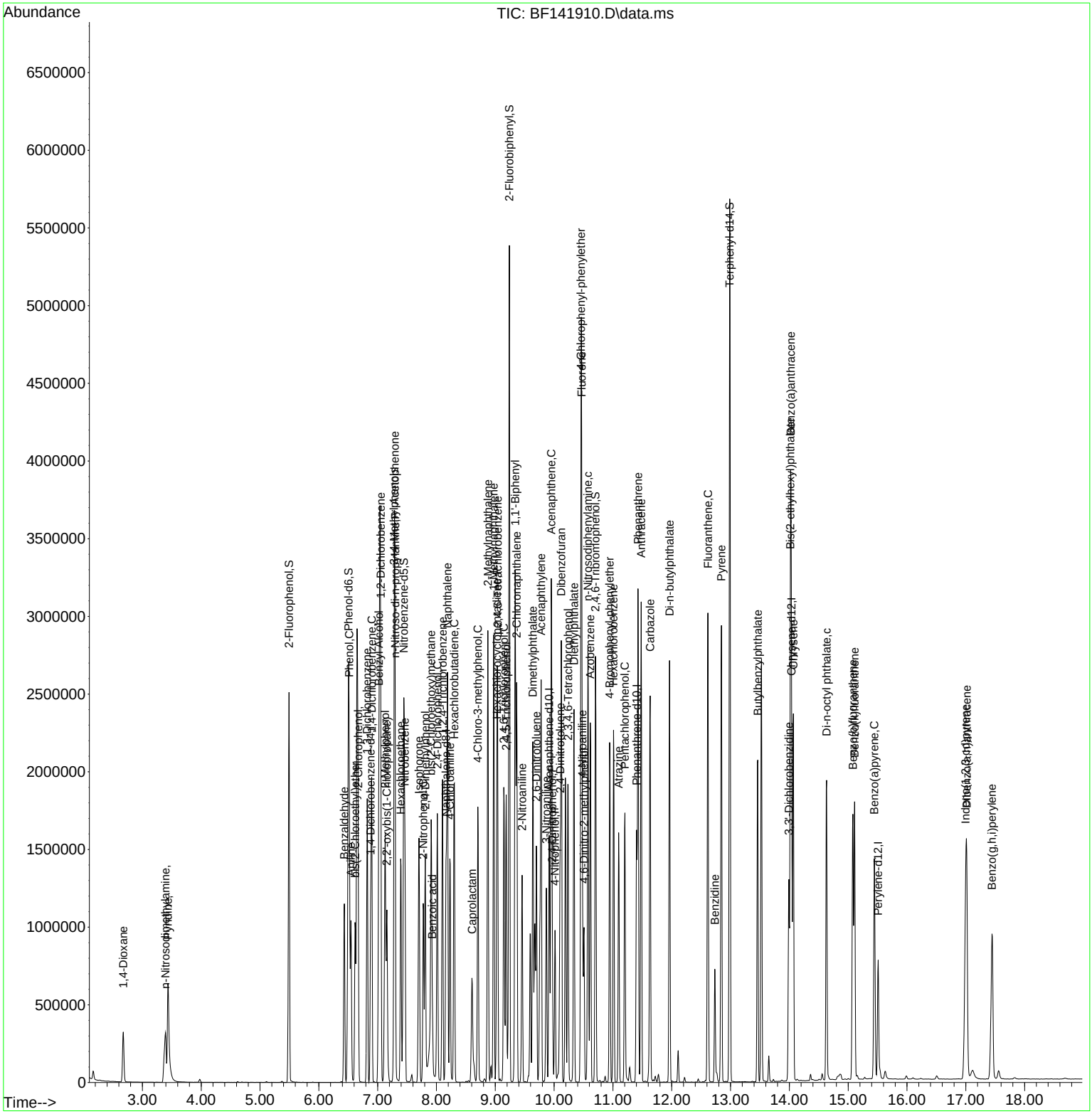
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	372824	38.614	ng	100
46) 1,1'-Biphenyl	9.339	154	1402423	38.525	ng	100
47) 2-Chloronaphthalene	9.363	162	1049133	38.666	ng	99
48) 2-Nitroaniline	9.457	65	307247	39.109	ng	99
49) Acenaphthylene	9.780	152	1554840	38.616	ng	100
50) Dimethylphthalate	9.639	163	1283810	38.265	ng	100
51) 2,6-Dinitrotoluene	9.698	165	279974	40.079	ng	97
52) Acenaphthene	9.951	154	1091559	38.576	ng	99
53) 3-Nitroaniline	9.869	138	277307	39.135	ng	98
54) 2,4-Dinitrophenol	9.969	184	136926	38.237	ng	91
55) Dibenzofuran	10.122	168	1548206	38.292	ng	100
56) 4-Nitrophenol	10.016	139	212052	39.683	ng	99
57) 2,4-Dinitrotoluene	10.104	165	364725	39.975	ng	100
58) Fluorene	10.469	166	1187102	38.073	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	351000	39.950	ng	98
60) Diethylphthalate	10.339	149	1281977	38.320	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	629512	38.726	ng	98
62) 4-Nitroaniline	10.480	138	268529	38.925	ng	99
63) Azobenzene	10.616	77	1194591	38.408	ng	100
65) 4,6-Dinitro-2-methylph...	10.510	198	195453	39.988	ng	99
66) n-Nitrosodiphenylamine	10.574	169	1014883	38.251	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	401588	39.001	ng	100
68) Hexachlorobenzene	11.010	284	448381	39.703	ng	99
69) Atrazine	11.098	200	299767	36.855	ng	100
70) Pentachlorophenol	11.204	266	282858	40.651	ng	99
71) Phenanthrene	11.427	178	1684816	38.045	ng	100
72) Anthracene	11.480	178	1690241	38.043	ng	100
73) Carbazole	11.633	167	1449478	37.829	ng	100
74) Di-n-butylphthalate	11.963	149	1929199	37.945	ng	100
75) Fluoranthene	12.616	202	1750151	37.256	ng	100
77) Benzidine	12.733	184	392482	54.153	ng	99
78) Pyrene	12.845	202	1726338	38.418	ng	100
80) Butylbenzylphthalate	13.463	149	695571	39.548	ng	98
81) Benzo(a)anthracene	14.027	228	1266188	37.144	ng	100
82) 3,3'-Dichlorobenzidine	13.992	252	380363	38.611	ng	98
83) Chrysene	14.068	228	1214561	39.306	ng	99
84) Bis(2-ethylhexyl)phtha...	14.015	149	956586	39.447	ng	99
85) Di-n-octyl phthalate	14.633	149	1358481	40.262	ng	99
87) Indeno(1,2,3-cd)pyrene	16.998	276	1098821	38.348	ng	99
88) Benzo(b)fluoranthene	15.080	252	1084408	35.721	ng	100
89) Benzo(k)fluoranthene	15.109	252	1011237	38.924	ng	99
90) Benzo(a)pyrene	15.445	252	903590	38.039	ng	99
91) Dibenzo(a,h)anthracene	17.015	278	904778	38.270	ng	99
92) Benzo(g,h,i)perylene	17.445	276	885987	37.923	ng	99

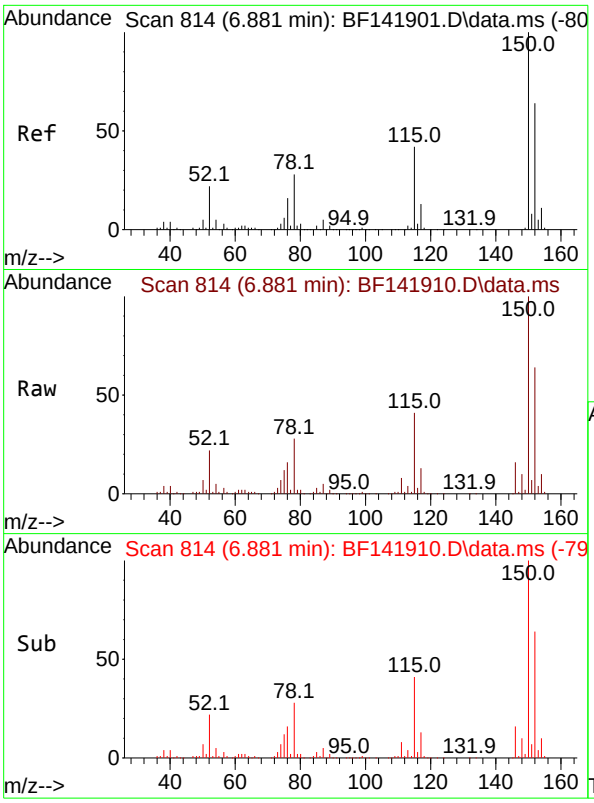
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141910.D
Acq On : 11 Mar 2025 11:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Mar 11 12:36:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



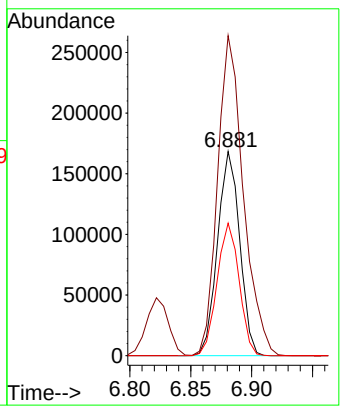


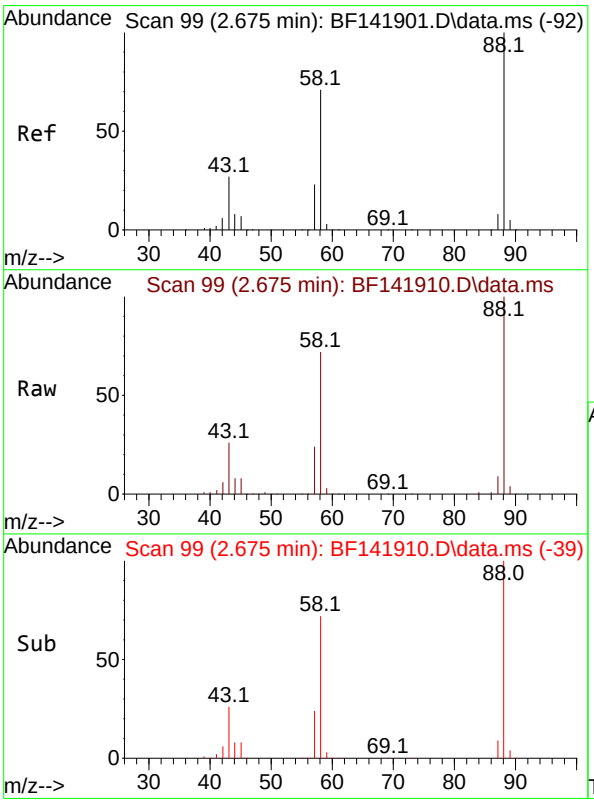
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 212930

Ion	Ratio	Lower	Upper
152	100		
150	156.7	127.4	191.2
115	64.9	51.9	77.9

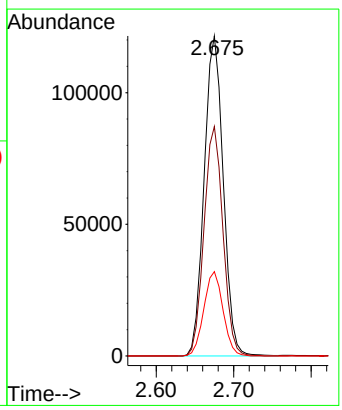


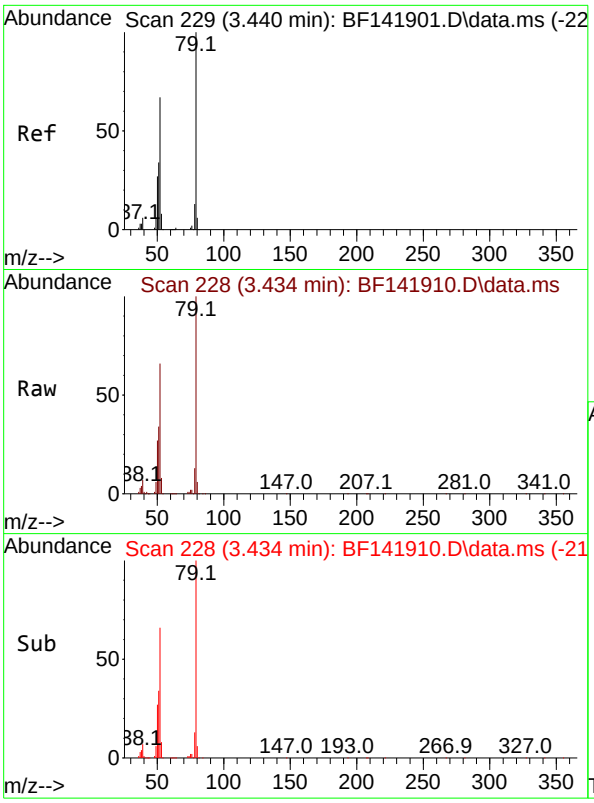


#2
1,4-Dioxane
Concen: 38.891 ng
RT: 2.675 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion: 88 Resp: 207900

Ion	Ratio	Lower	Upper
88	100		
58	71.0	57.4	86.2
43	26.5	21.5	32.3



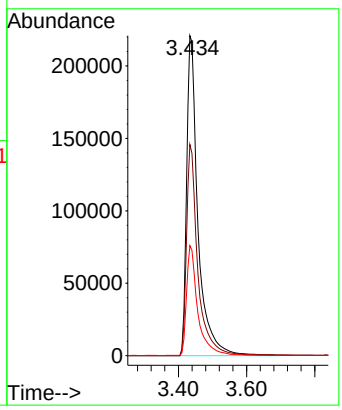


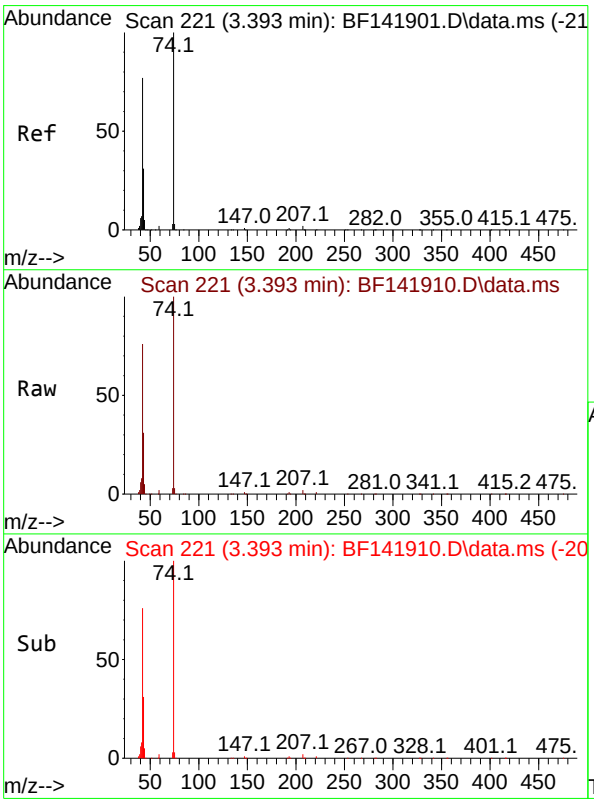
#3
Pyridine
Concen: 38.824 ng
RT: 3.434 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 509090

Ion	Ratio	Lower	Upper
79	100		
52	66.0	53.3	79.9
51	34.4	27.6	41.4

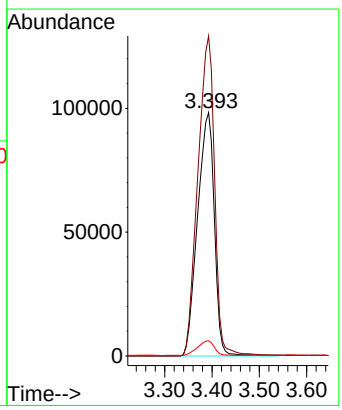


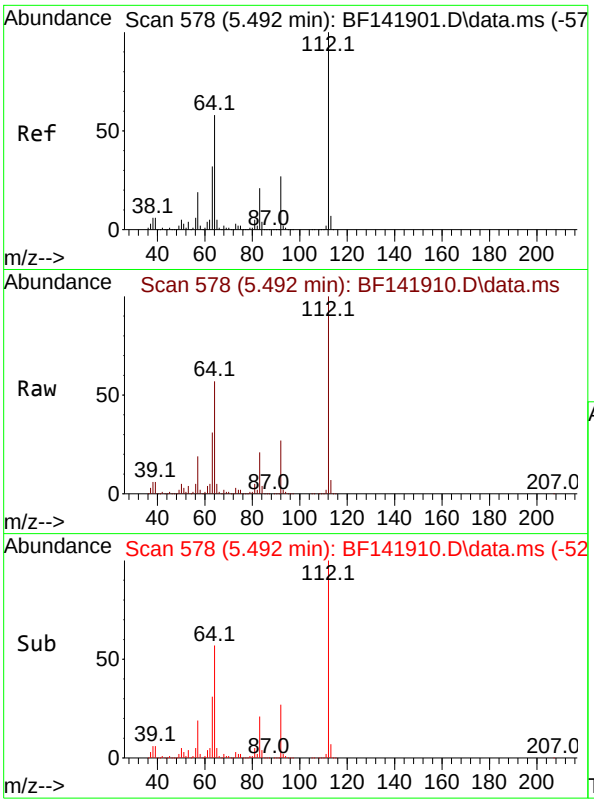


#4
n-Nitrosodimethylamine
Concen: 38.747 ng
RT: 3.393 min Scan# 221
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion: 42 Resp: 242195

Ion	Ratio	Lower	Upper
42	100		
74	131.5	103.4	155.0
44	6.2	5.0	7.4



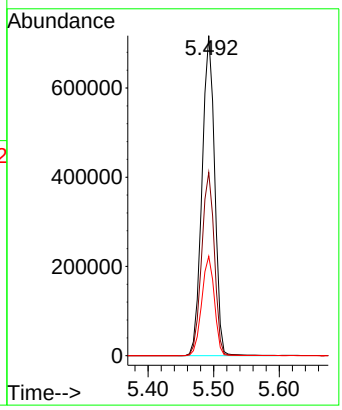


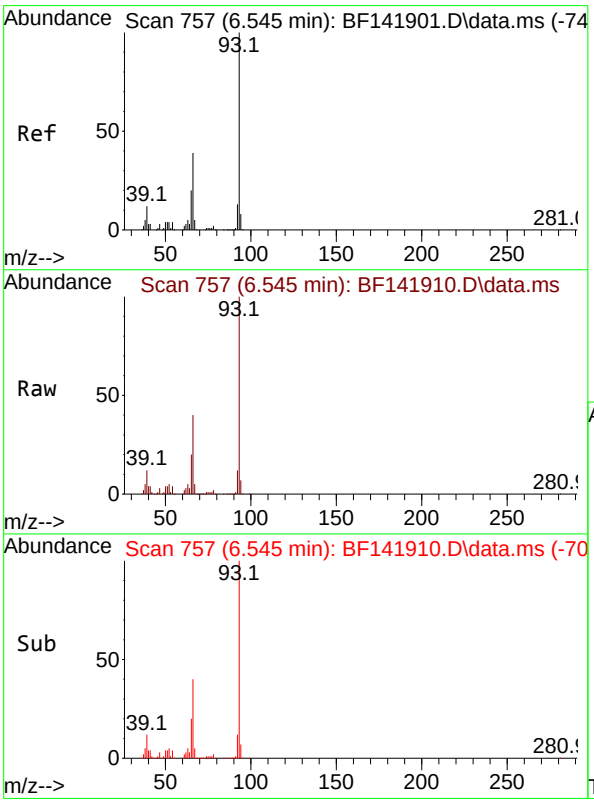
#5
2-Fluorophenol
Concen: 75.745 ng
RT: 5.492 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 966380

Ion	Ratio	Lower	Upper
112	100		
64	57.2	46.5	69.7
63	31.0	25.4	38.2

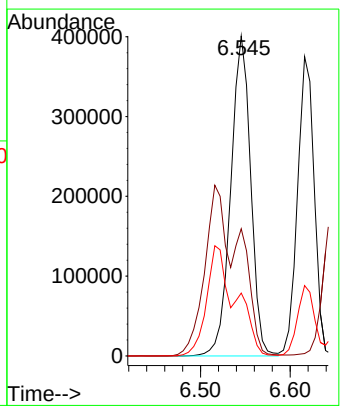


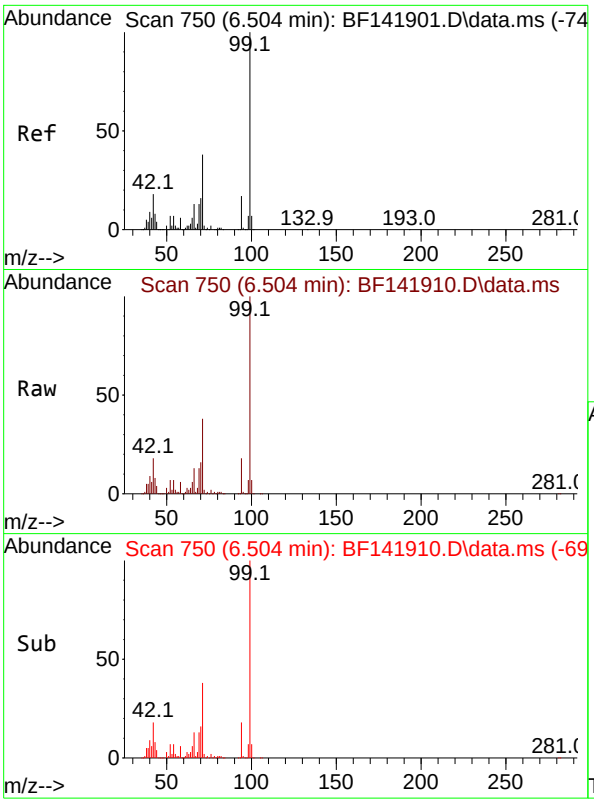


#6
Aniline
Concen: 38.634 ng
RT: 6.545 min Scan# 757
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion: 93 Resp: 619097

Ion	Ratio	Lower	Upper
93	100		
66	39.7	31.9	47.9
65	19.6	15.8	23.6



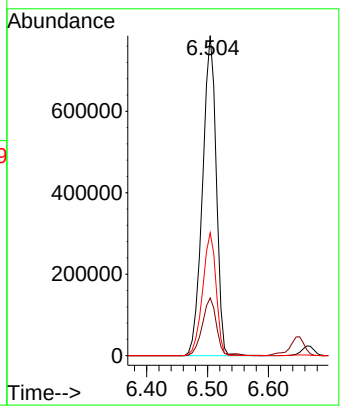


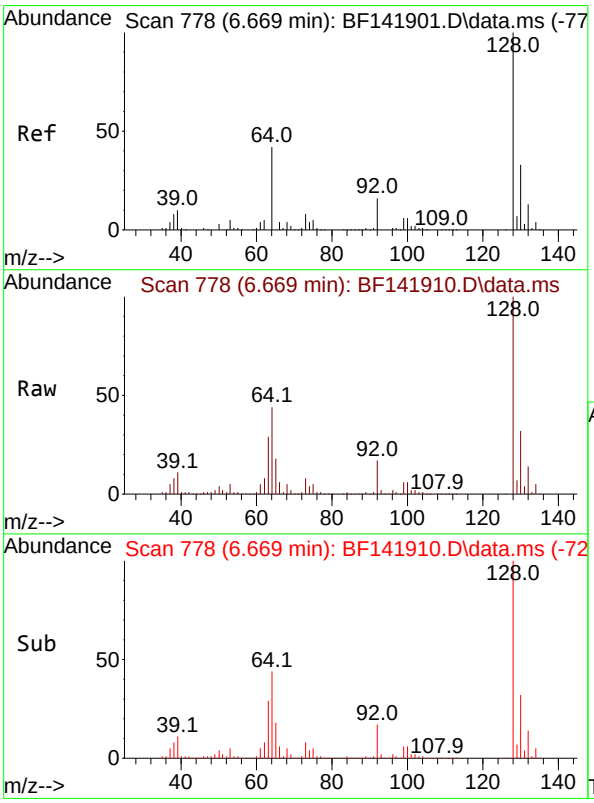
#7
Phenol-d6
Concen: 75.624 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 1228433

Ion	Ratio	Lower	Upper
99	100		
42	18.1	14.6	21.8
71	38.4	30.8	46.2

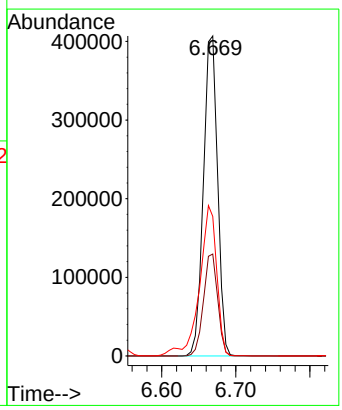


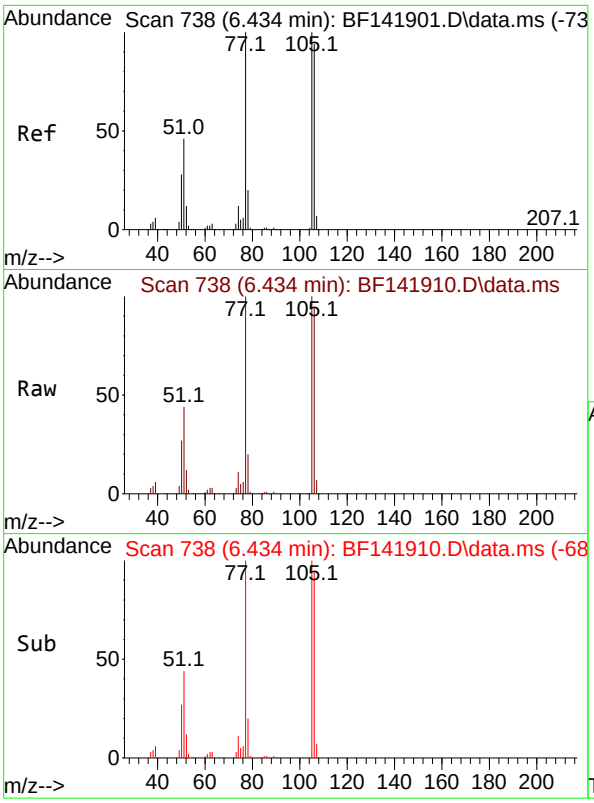


#8
2-Chlorophenol
Concen: 38.309 ng
RT: 6.669 min Scan# 778
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:128 Resp: 542074

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.8	52.8
64	43.6	24.4	64.4



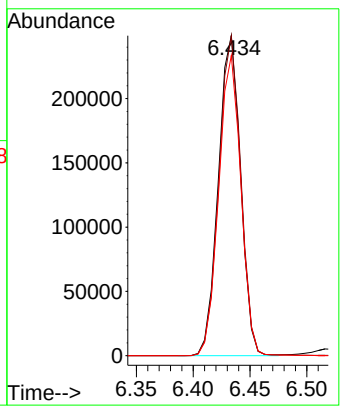


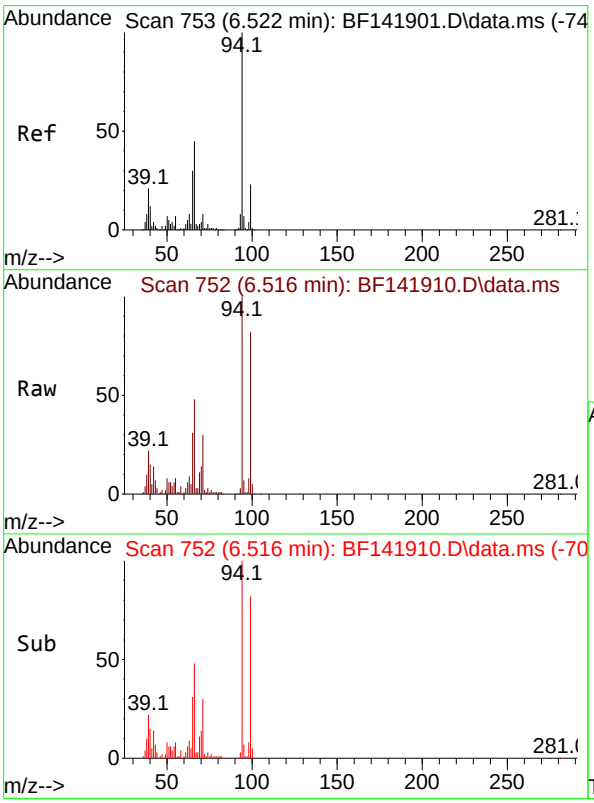
#9
Benzaldehyde
Concen: 37.180 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 337776

Ion	Ratio	Lower	Upper
77	100		
105	99.9	80.0	120.0
106	93.8	74.5	114.5

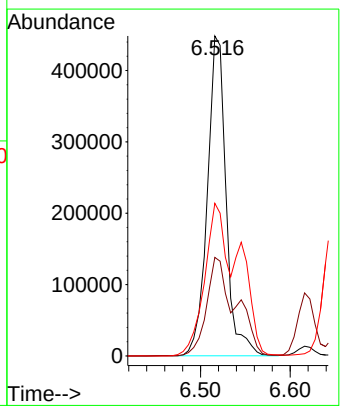


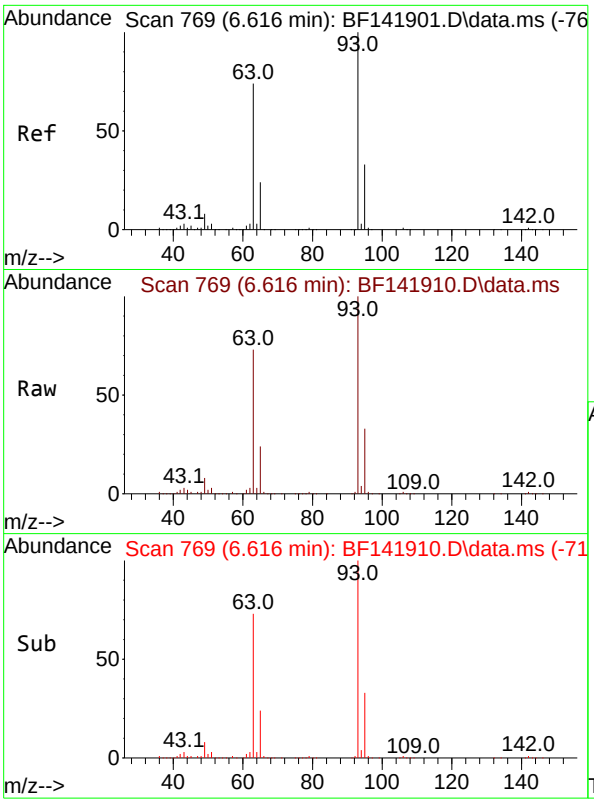


#10
Phenol
Concen: 38.098 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion: 94 Resp: 651072

Ion	Ratio	Lower	Upper
94	100		
65	30.8	10.5	50.5
66	47.7	25.8	65.8



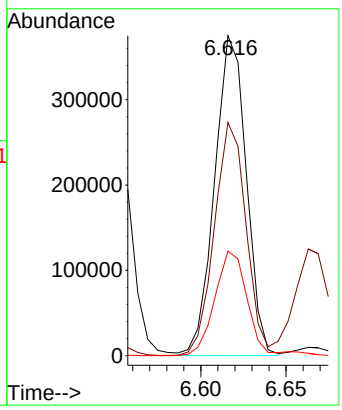


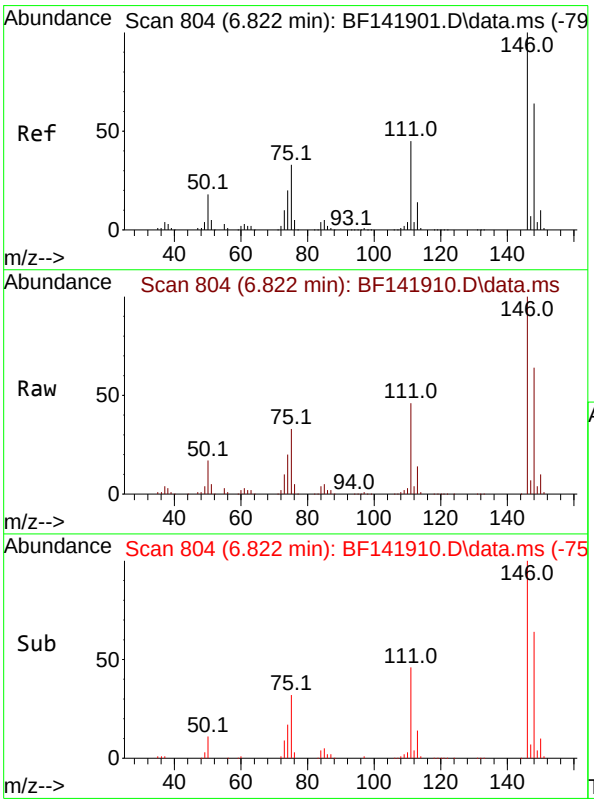
#11
bis(2-Chloroethyl)ether
Concen: 37.748 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 484388

Ion	Ratio	Lower	Upper
93	100		
63	72.8	53.0	93.0
95	32.7	12.9	52.9

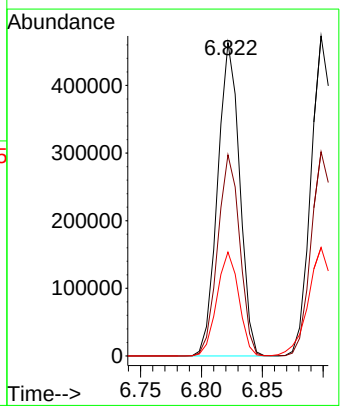


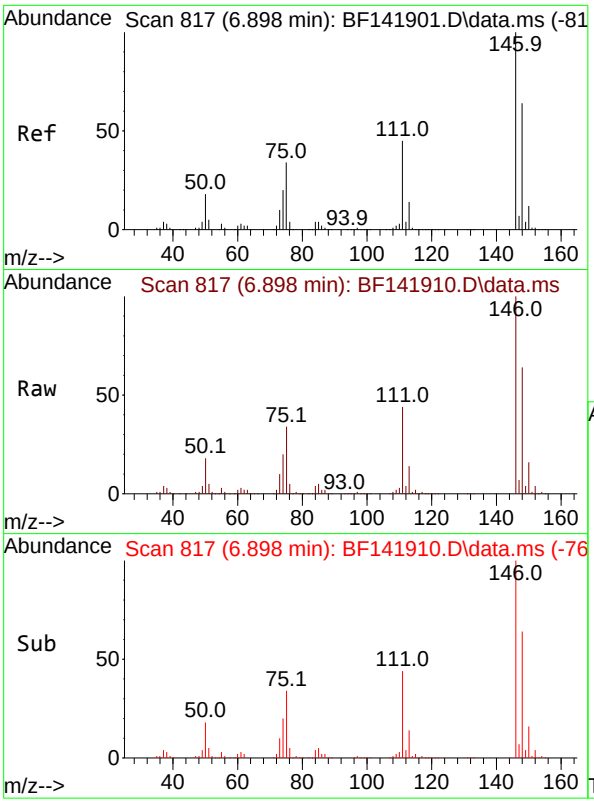


#12
1,3-Dichlorobenzene
Concen: 38.163 ng
RT: 6.822 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:146 Resp: 582982

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.3	76.9
75	33.2	26.6	40.0



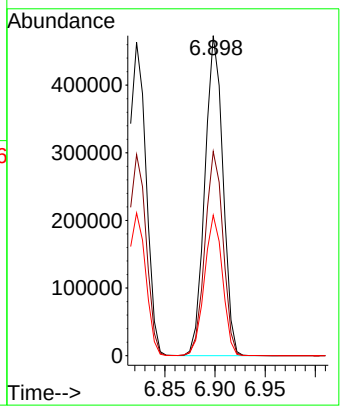


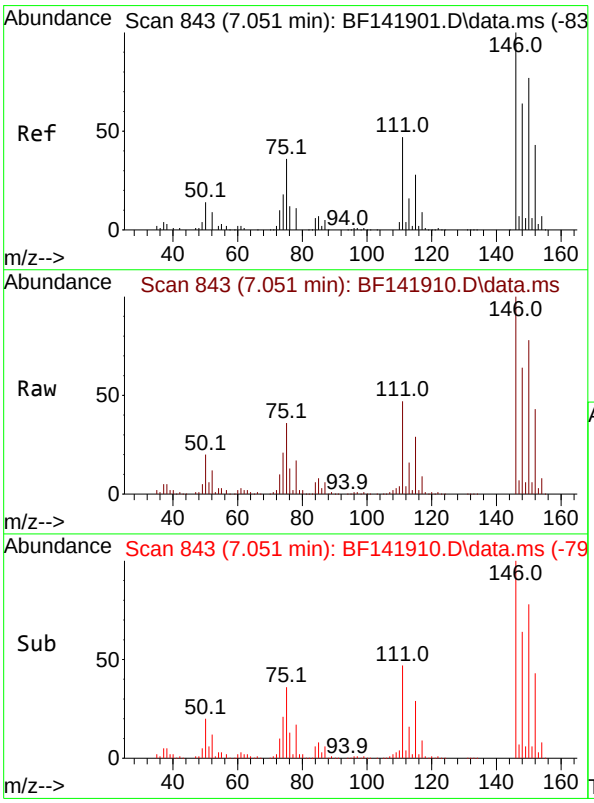
#13
1,4-Dichlorobenzene
Concen: 38.438 ng
RT: 6.898 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 594118

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.6
111	43.9	35.7	53.5

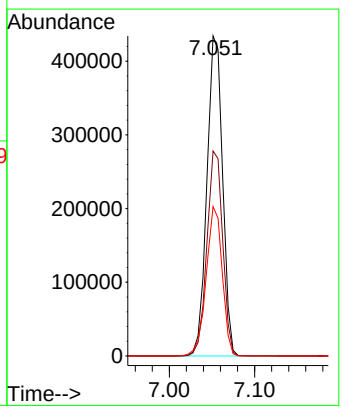


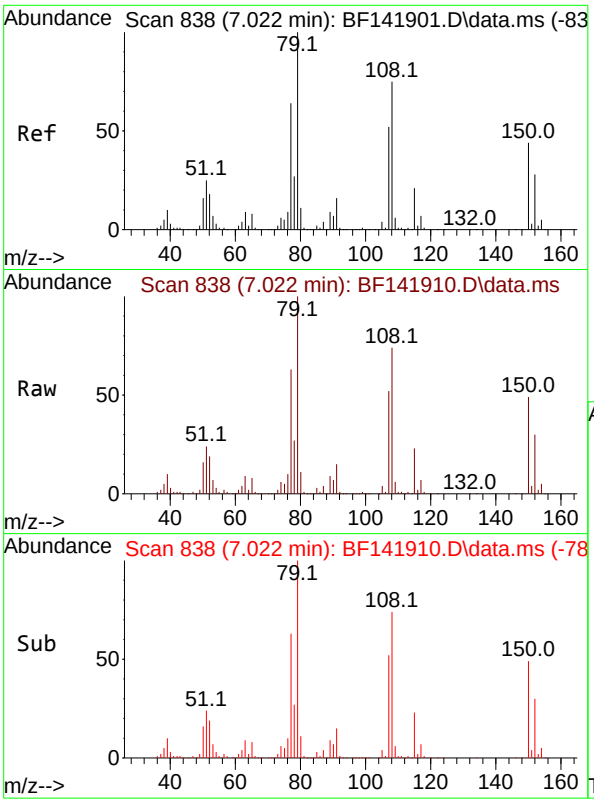


#14
1,2-Dichlorobenzene
Concen: 38.106 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:146 Resp: 554766

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.8	76.2
111	46.6	38.0	57.0



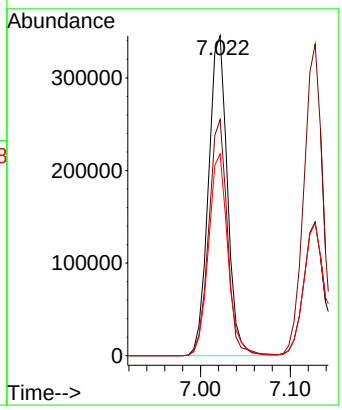


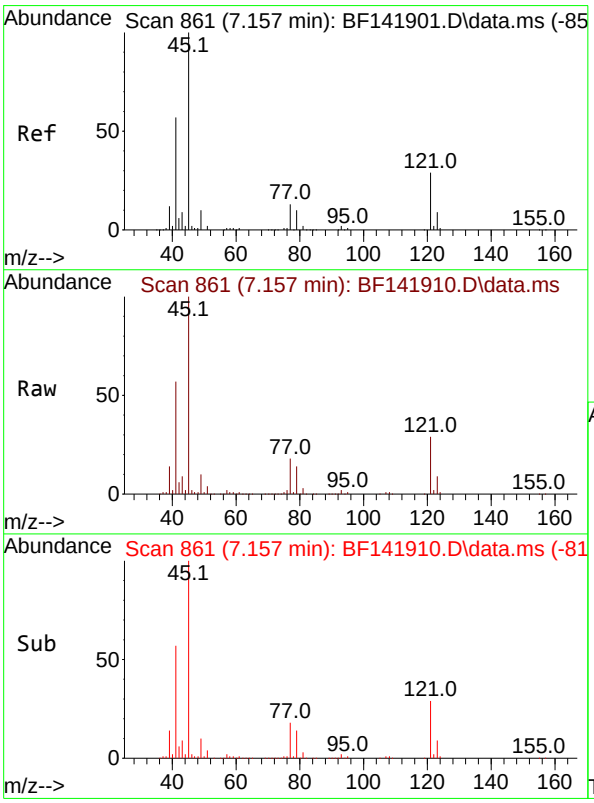
#15
Benzyl Alcohol
Concen: 38.547 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 506215

Ion	Ratio	Lower	Upper
79	100		
108	73.8	59.7	89.5
77	63.0	51.0	76.6

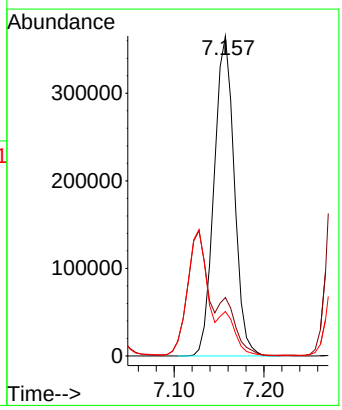


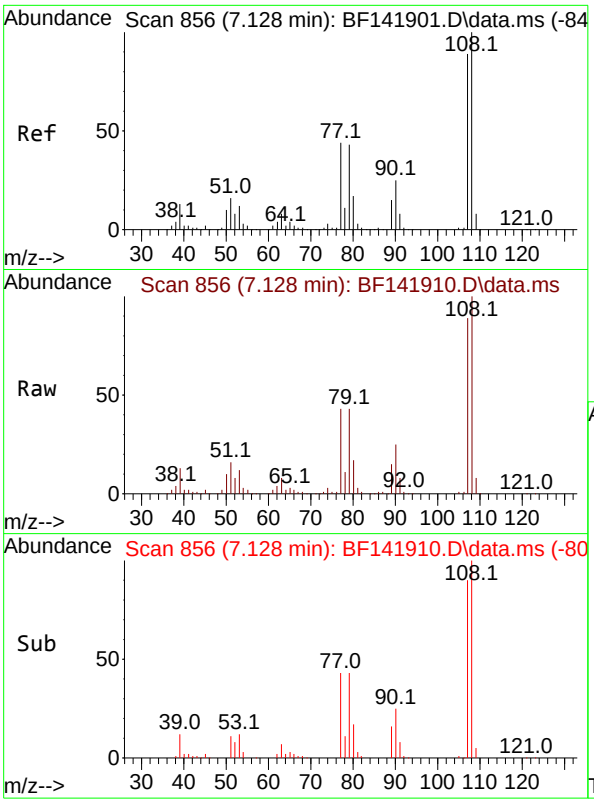


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.712 ng
RT: 7.157 min Scan# 861
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion: 45 Resp: 568739

Ion	Ratio	Lower	Upper
45	100		
77	18.3	0.0	37.8
79	13.9	0.0	34.2



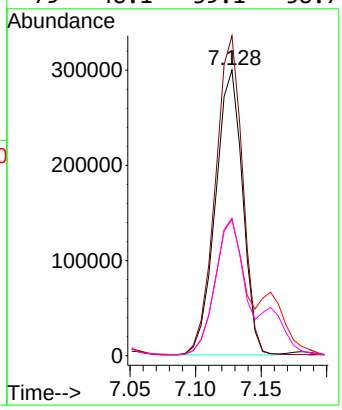


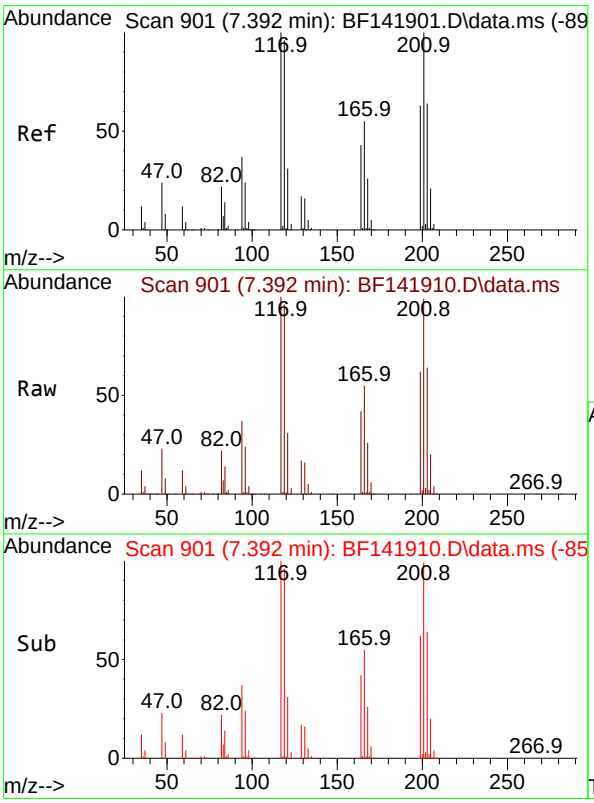
#17
2-Methylphenol
Concen: 38.255 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 430396

Ion	Ratio	Lower	Upper
107	100		
108	112.0	90.2	135.2
77	47.7	39.6	59.4
79	48.1	39.1	58.7

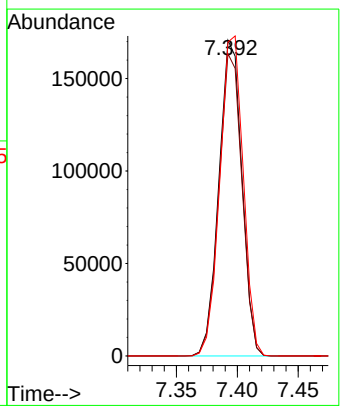


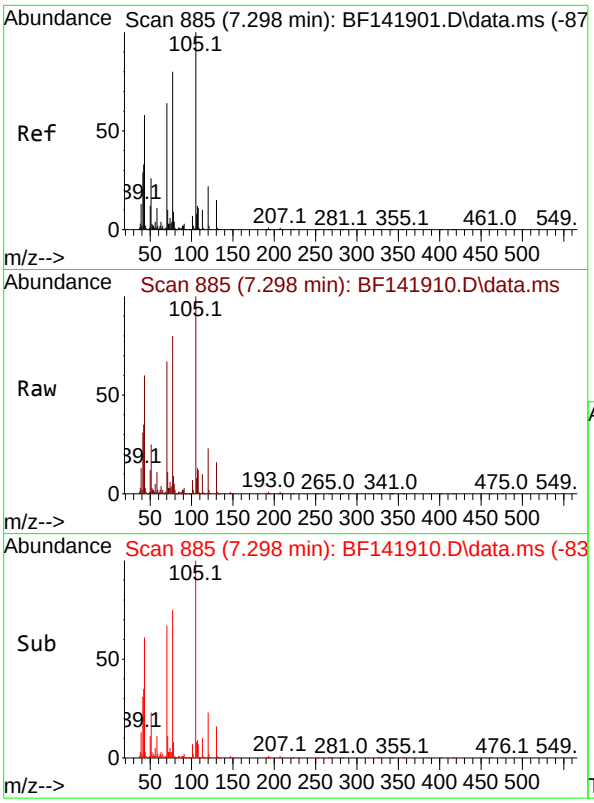


#18
Hexachloroethane
Concen: 38.853 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:117 Resp: 225190

Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.9	115.3
201	99.4	79.9	119.9



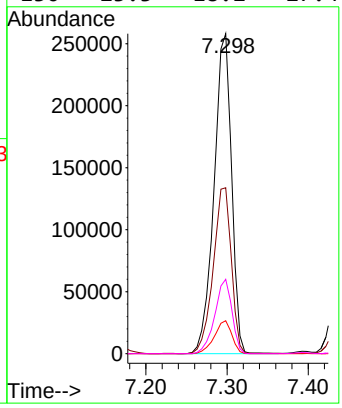


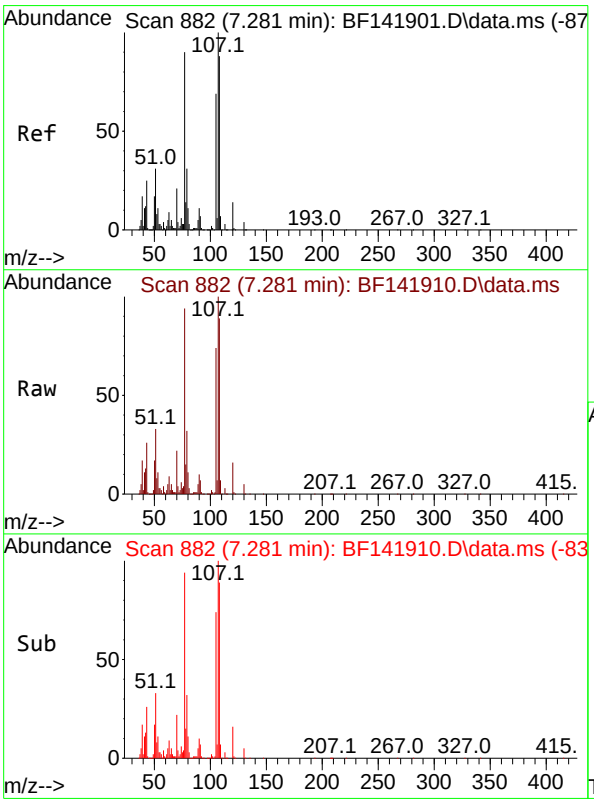
#19
n-Nitroso-di-n-propylamine
Concen: 37.118 ng
RT: 7.298 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 387430

Ion	Ratio	Lower	Upper
70	100		
42	51.9	41.4	62.0
101	10.3	8.2	12.2
130	23.3	18.2	27.4

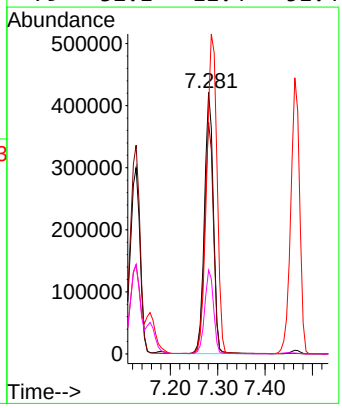


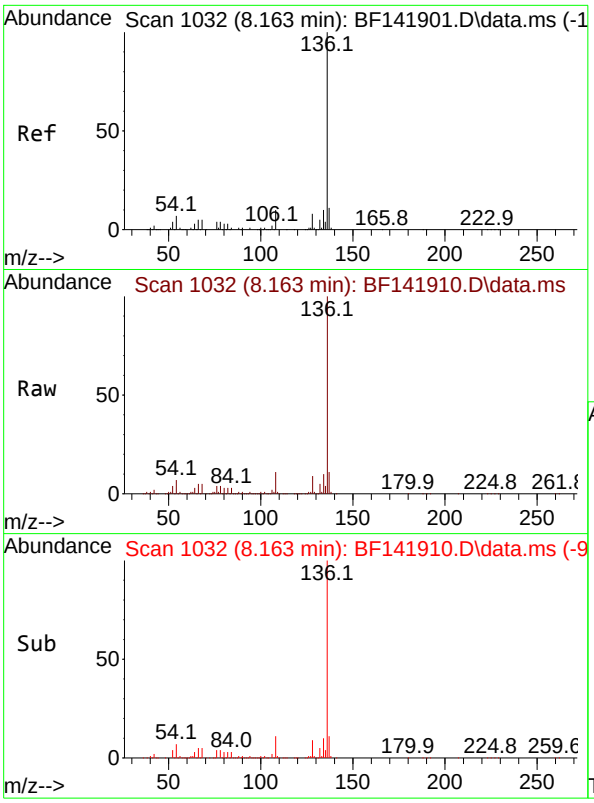


#20
3+4-Methylphenols
Concen: 38.055 ng
RT: 7.281 min Scan# 882
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:107 Resp: 548388

Ion	Ratio	Lower	Upper
107	100		
108	88.6	68.4	108.4
77	93.8	69.7	109.7
79	32.1	11.4	51.4



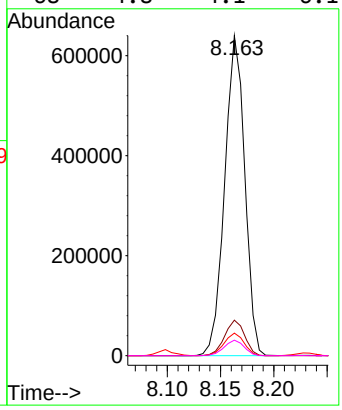


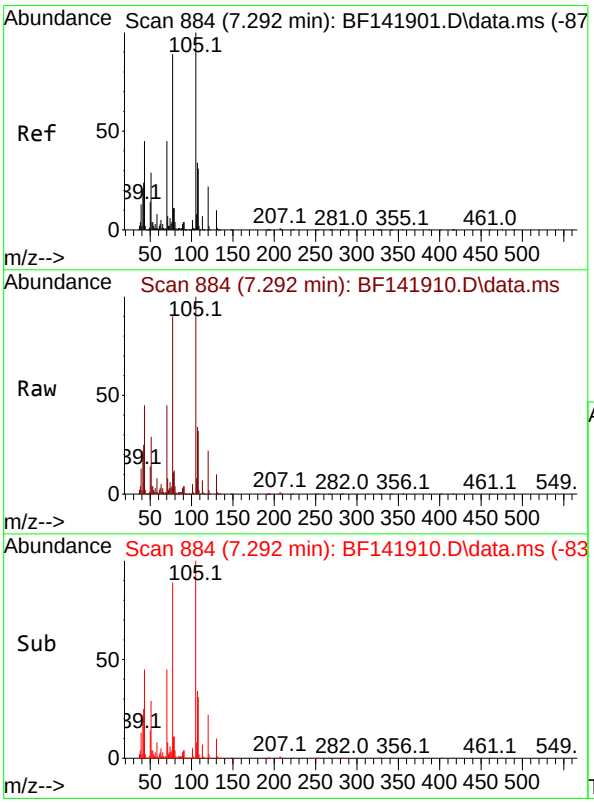
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 840081

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.0	5.8	8.8
68	4.8	4.1	6.1

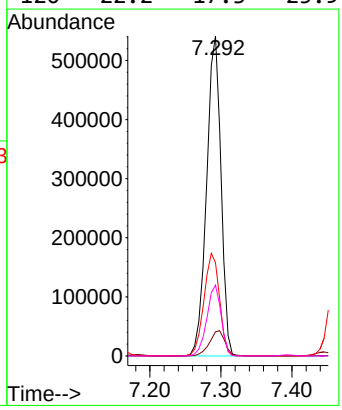


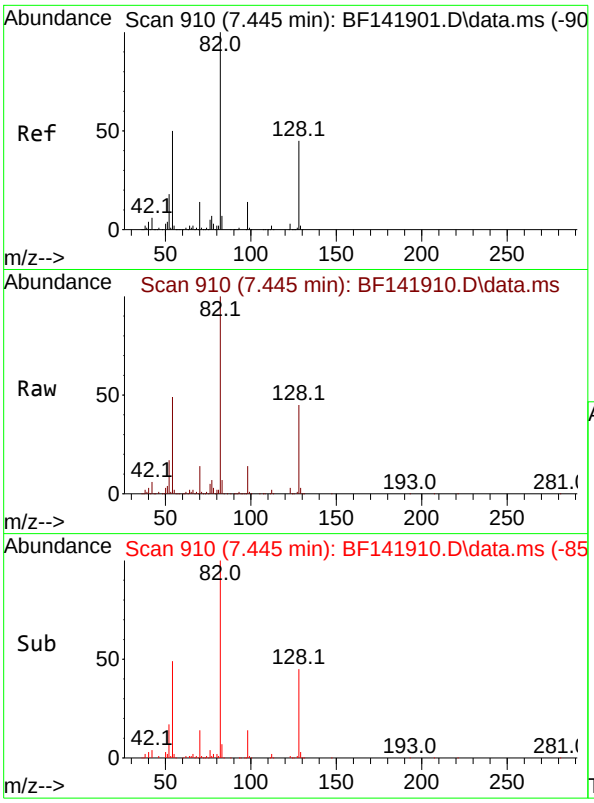


#22
Acetophenone
Concen: 37.949 ng
RT: 7.292 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:105 Resp: 763464

Ion	Ratio	Lower	Upper
105	100		
71	7.6	5.8	8.8
51	29.1	23.4	35.0
120	22.2	17.3	25.9



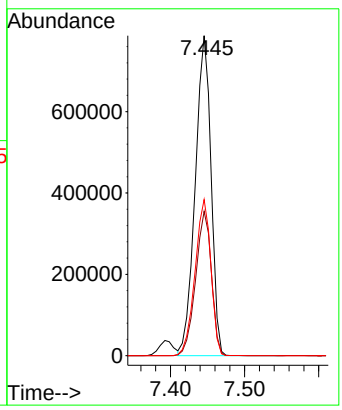


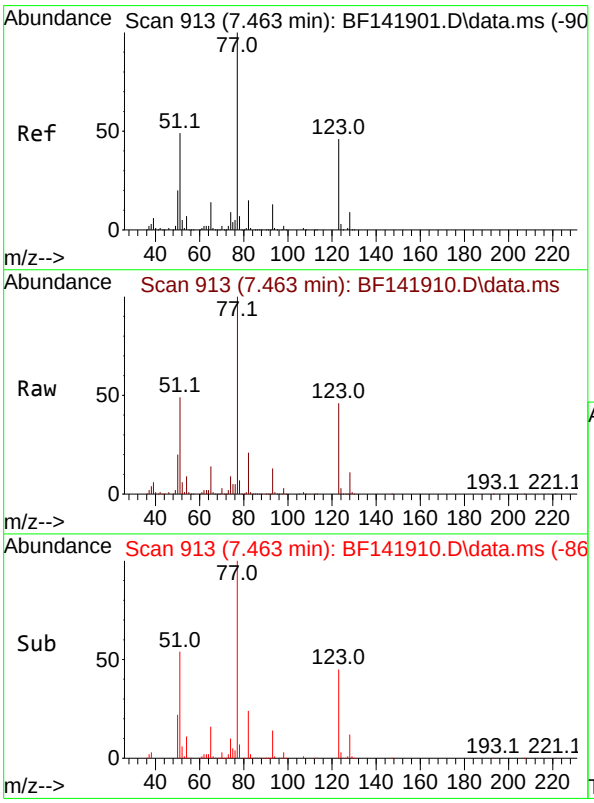
#23
Nitrobenzene-d5
Concen: 78.146 ng
RT: 7.445 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1166556

Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.0	54.0
54	48.8	39.6	59.4

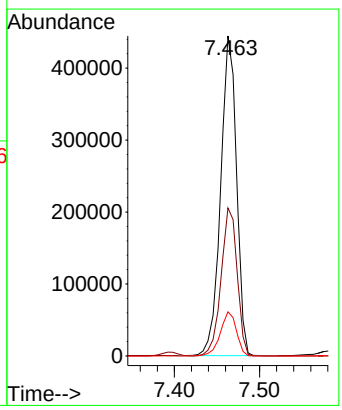


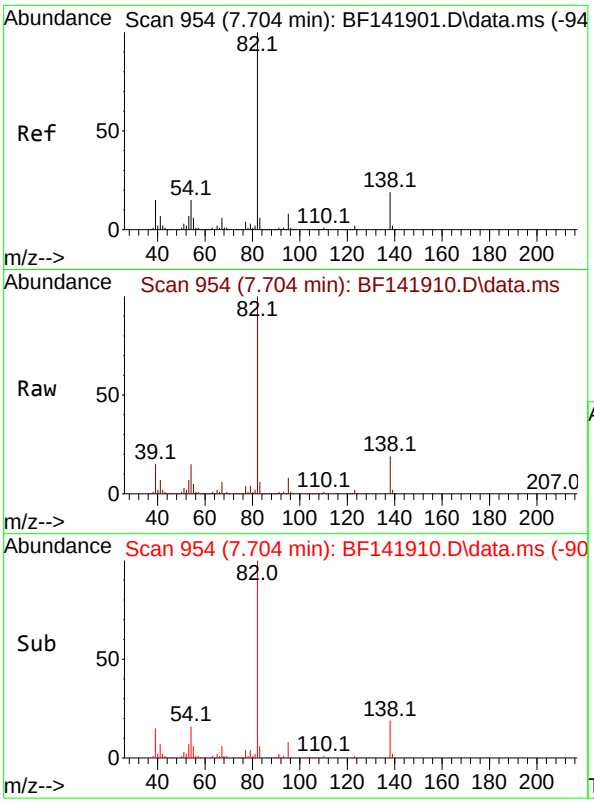


#24
Nitrobenzene
Concen: 38.869 ng
RT: 7.463 min Scan# 913
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion: 77 Resp: 576817

Ion	Ratio	Lower	Upper
77	100		
123	46.3	37.0	55.4
65	13.8	11.3	16.9



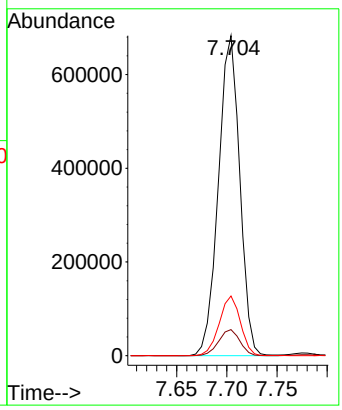


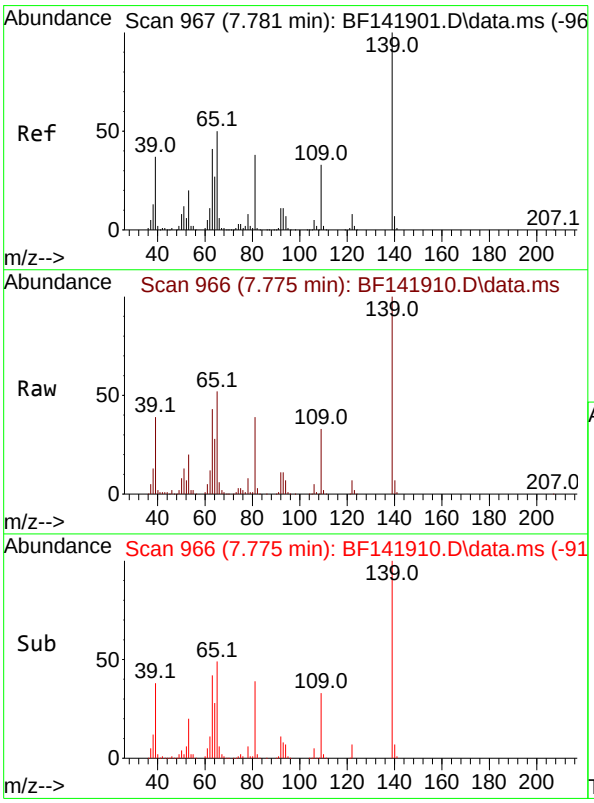
#25
Isophorone
Concen: 38.255 ng
RT: 7.704 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1009454

Ion	Ratio	Lower	Upper
82	100		
95	8.2	6.4	9.6
138	18.6	14.9	22.3

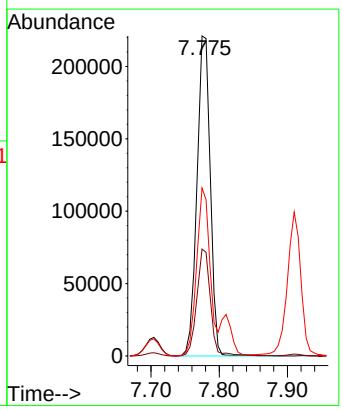


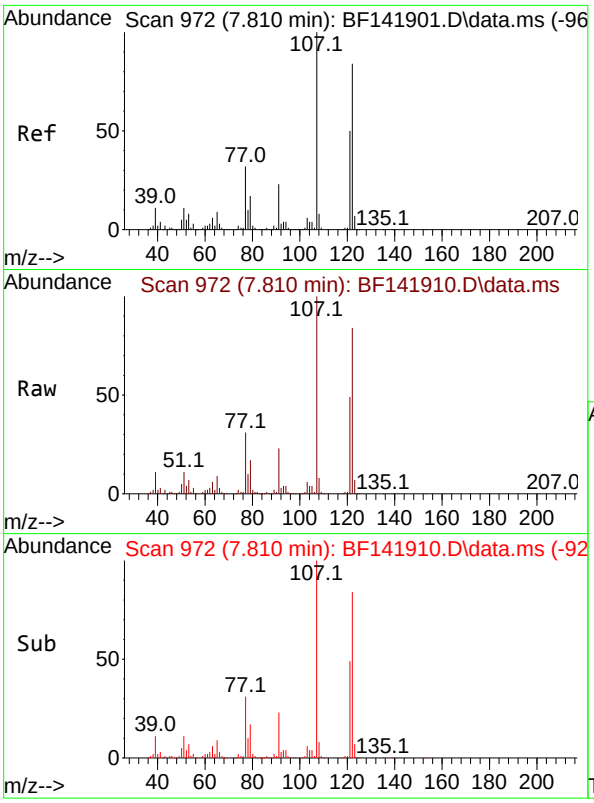


#26
2-Nitrophenol
Concen: 41.039 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:139 Resp: 298908

Ion	Ratio	Lower	Upper
139	100		
109	33.4	26.5	39.7
65	52.4	40.3	60.5



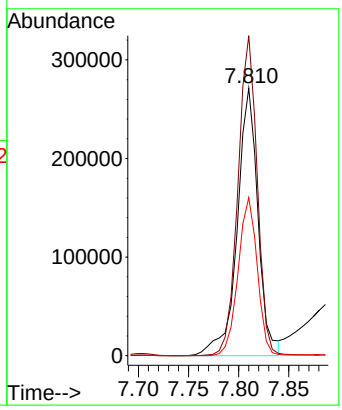


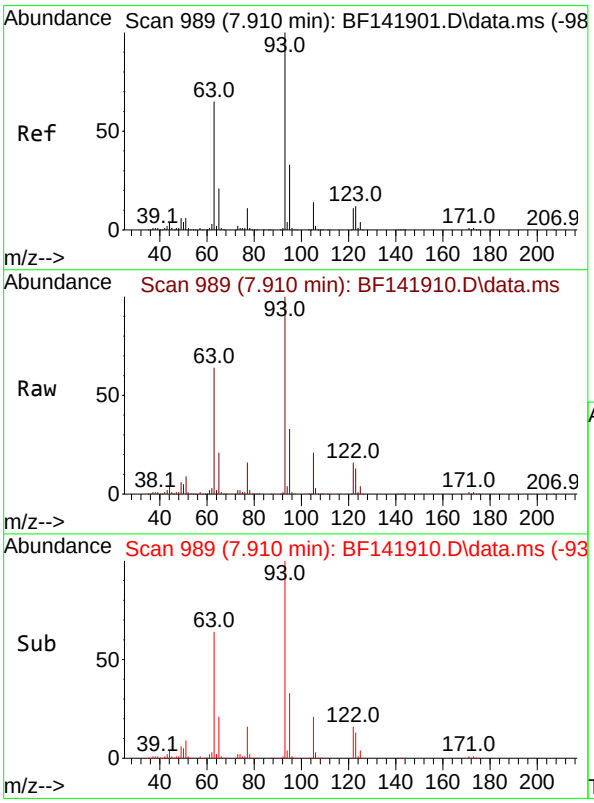
#27
2,4-Dimethylphenol
Concen: 39.112 ng
RT: 7.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 392258

Ion	Ratio	Lower	Upper
122	100		
107	119.6	94.8	142.2
121	59.1	47.8	71.6

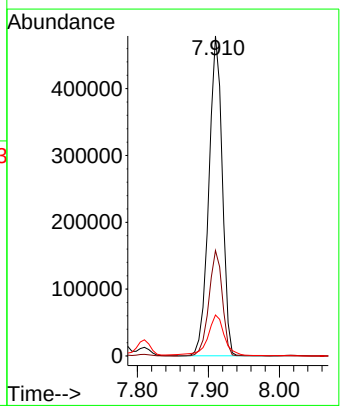


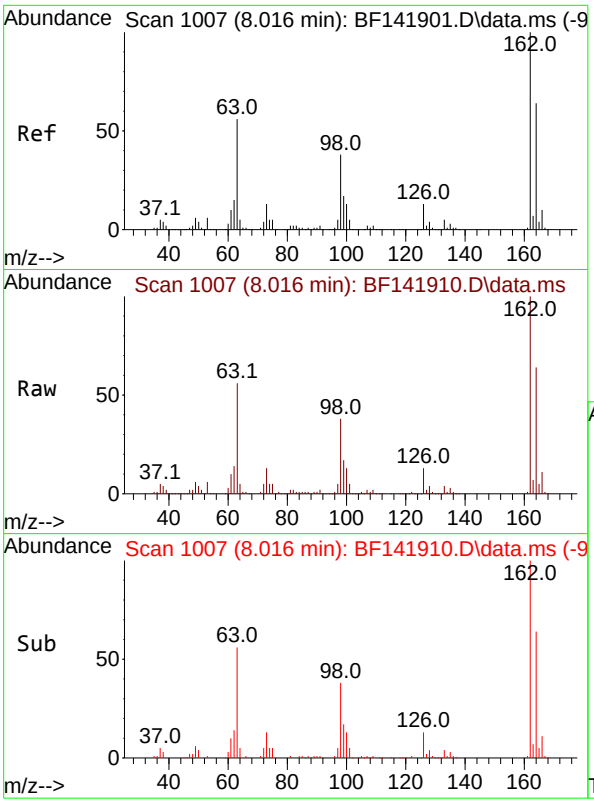


#28
bis(2-Chloroethoxy)methane
Concen: 38.044 ng
RT: 7.910 min Scan# 989
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion: 93 Resp: 629638

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.6	40.0
123	12.8	10.2	15.4



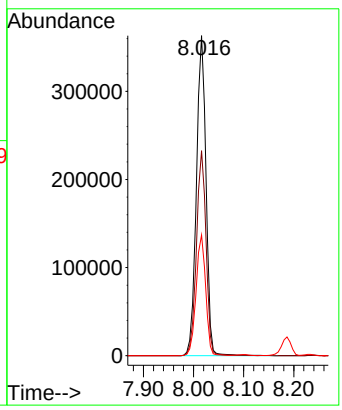


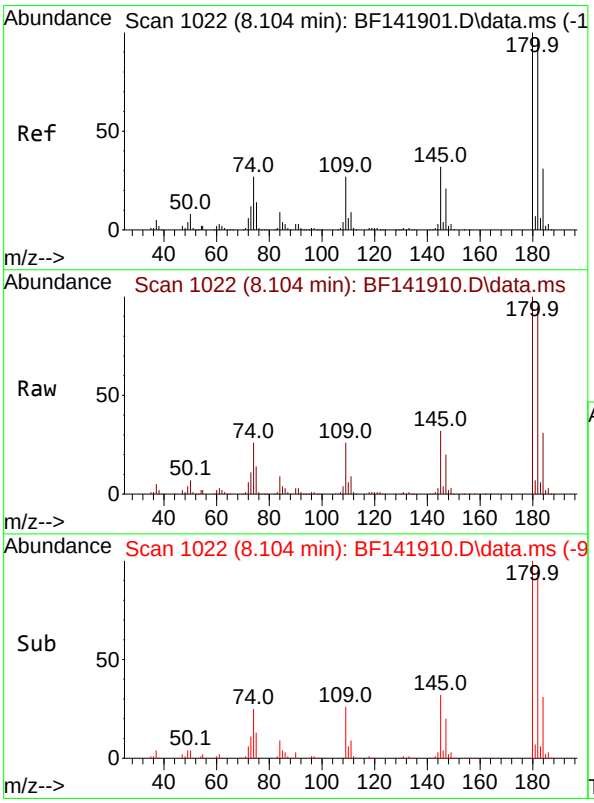
#29
2,4-Dichlorophenol
Concen: 38.695 ng
RT: 8.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 481689

Ion	Ratio	Lower	Upper
162	100		
164	64.0	43.8	83.8
98	37.7	18.1	58.1

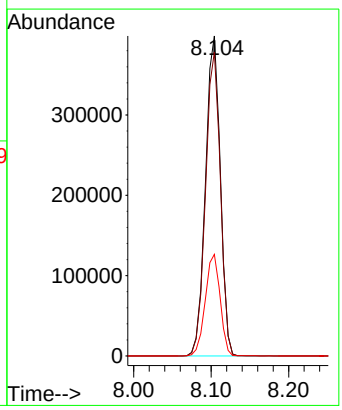


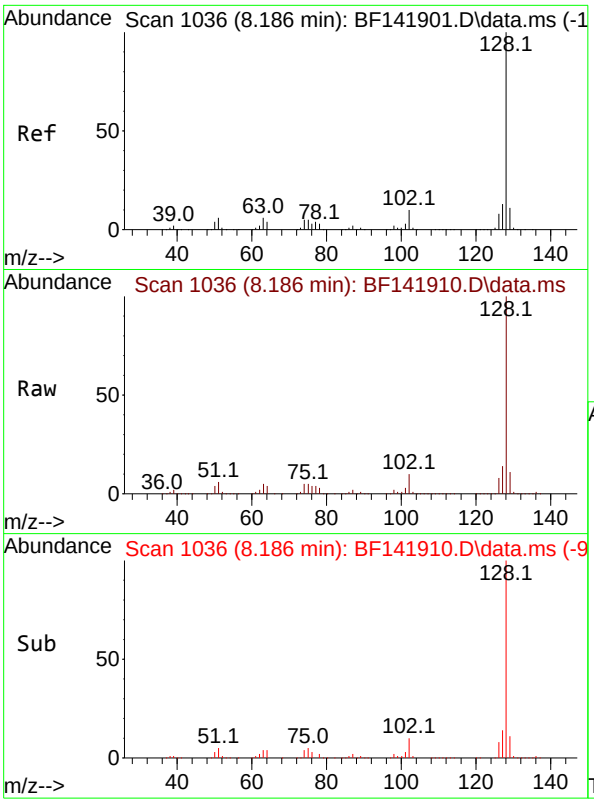


#30
1,2,4-Trichlorobenzene
Concen: 38.575 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:180 Resp: 529203

Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.5	116.3
145	31.8	25.8	38.6



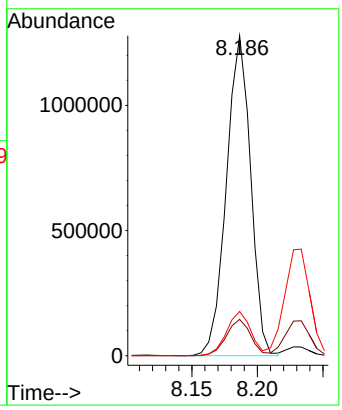


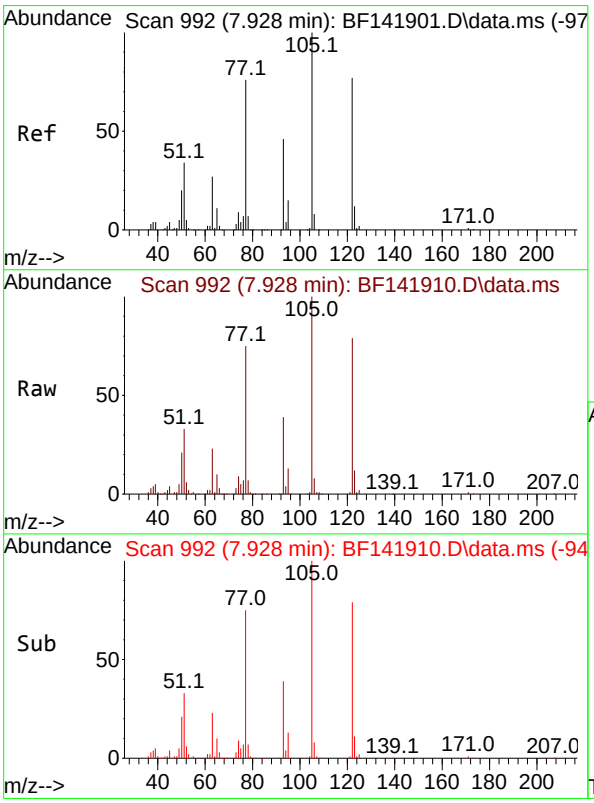
#31
Naphthalene
Concen: 38.085 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 1643492

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.6
127	13.8	10.8	16.2

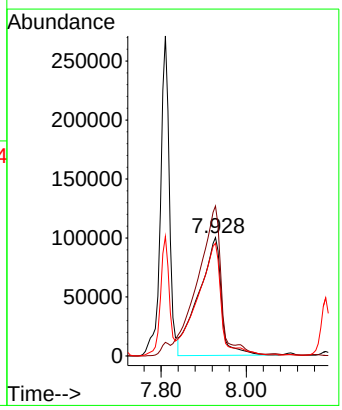


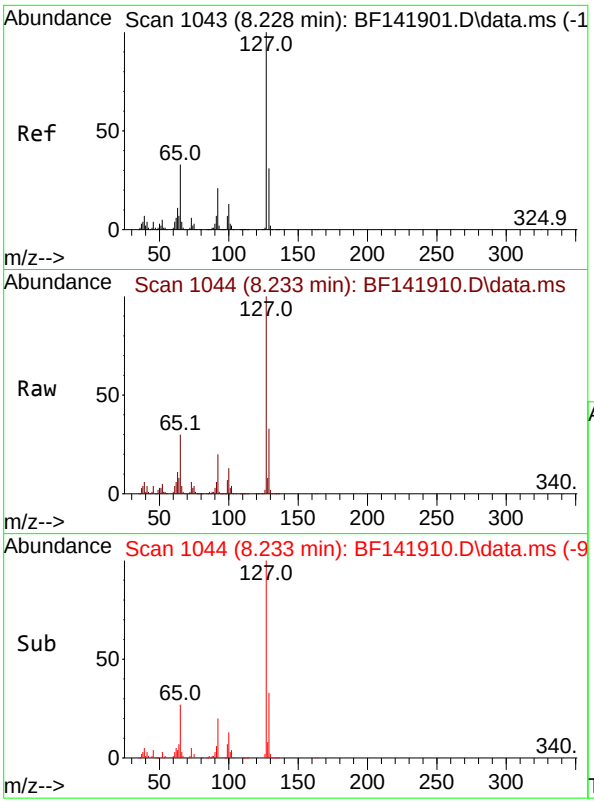


#32
Benzoic acid
Concen: 41.912 ng
RT: 7.928 min Scan# 992
Delta R.T. -0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:122 Resp: 369497

Ion	Ratio	Lower	Upper
122	100		
105	126.6	107.9	147.9
77	95.3	79.0	119.0



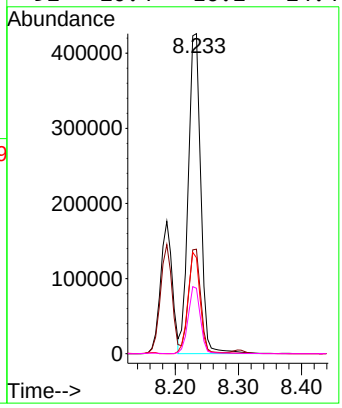


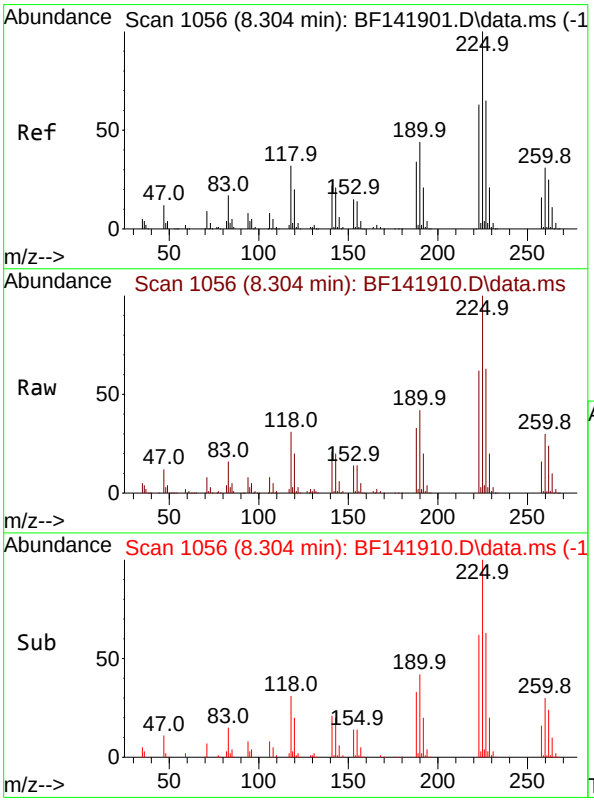
#33
4-Chloroaniline
Concen: 38.457 ng
RT: 8.233 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 585849

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.2	39.4
65	30.0	25.4	38.2
92	20.4	16.2	24.4

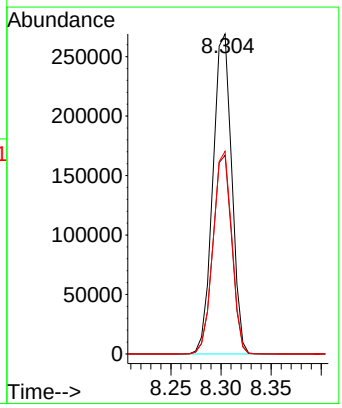


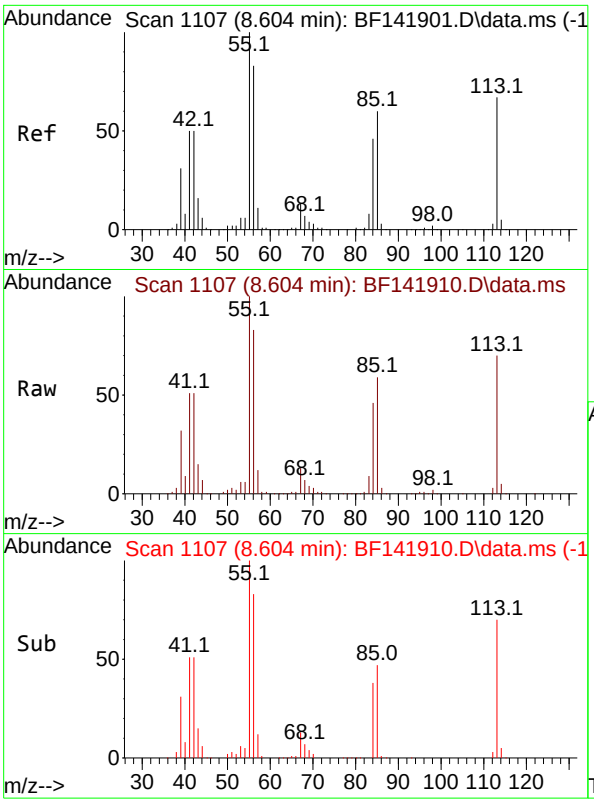


#34
Hexachlorobutadiene
Concen: 39.286 ng
RT: 8.304 min Scan# 1056
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:225 Resp: 351479

Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.6	75.8
227	63.4	52.2	78.2



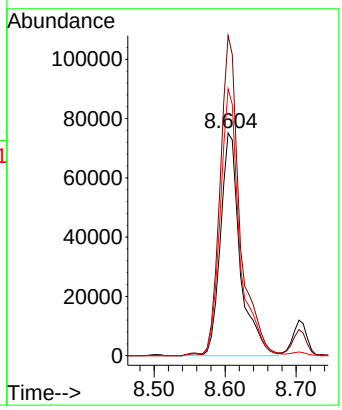


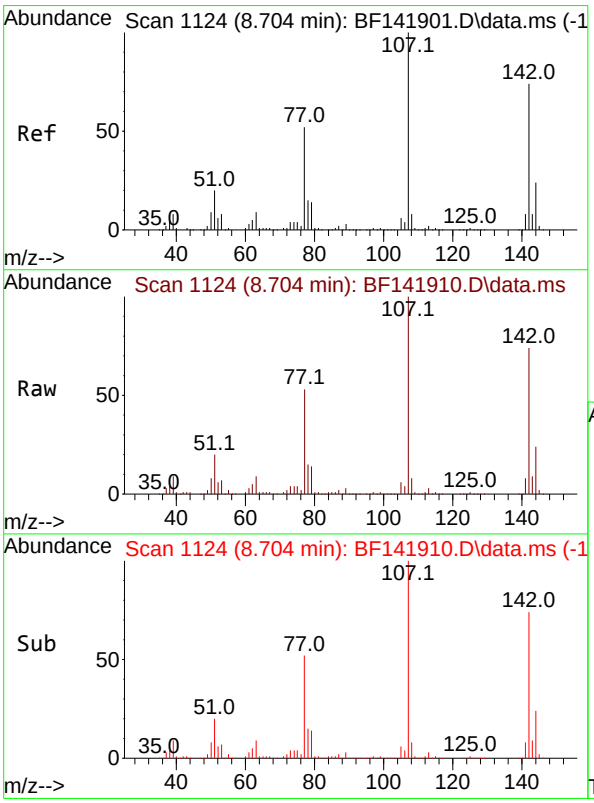
#35
Caprolactam
Concen: 38.112 ng
RT: 8.604 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 144643

Ion	Ratio	Lower	Upper
113	100		
55	143.6	129.6	169.6
56	119.8	104.0	144.0

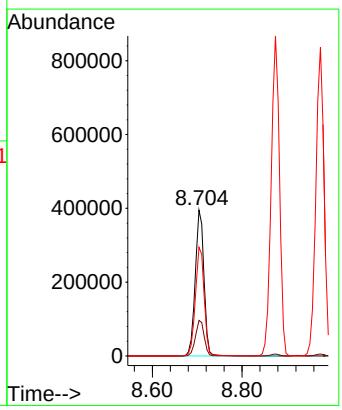


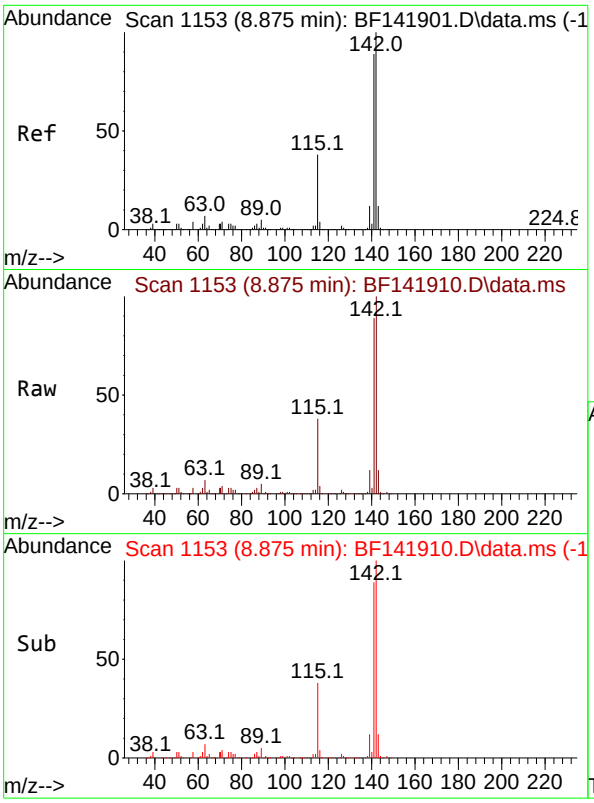


#36
4-Chloro-3-methylphenol
Concen: 38.467 ng
RT: 8.704 min Scan# 1124
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:107 Resp: 534161

Ion	Ratio	Lower	Upper
107	100		
144	24.4	19.0	28.6
142	74.5	59.2	88.8



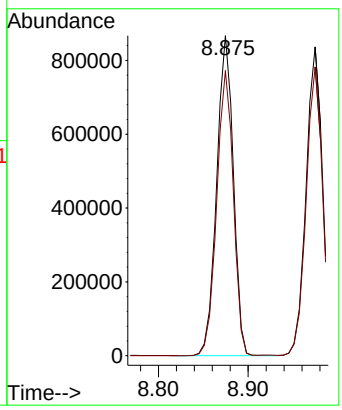


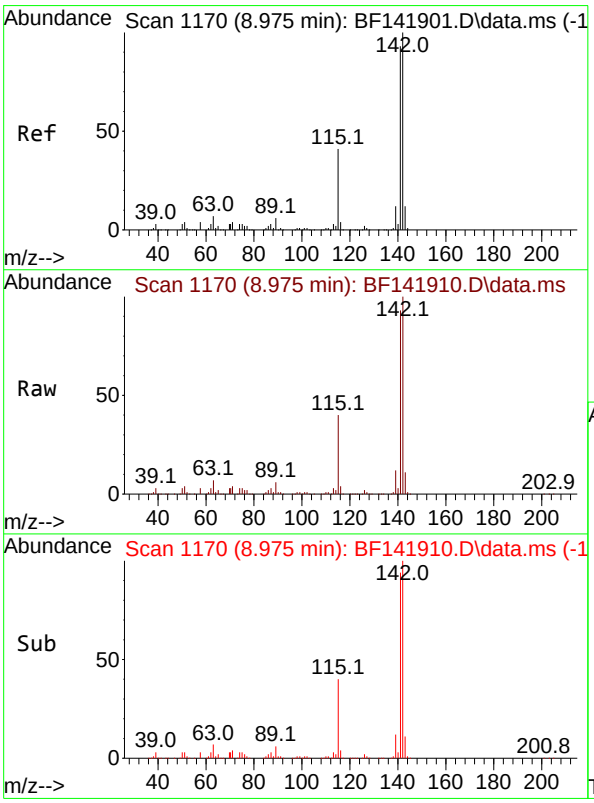
#37
2-Methylnaphthalene
Concen: 38.672 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 1115480

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.2	106.8

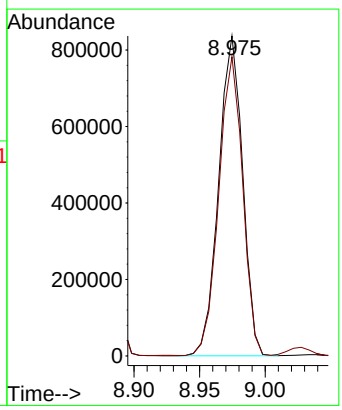


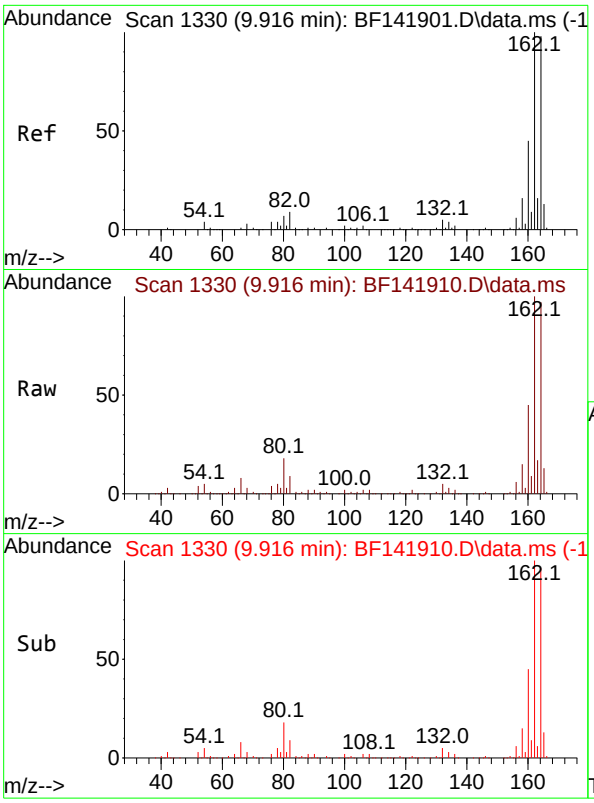


#38
1-Methylnaphthalene
Concen: 38.099 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:142 Resp: 1060457

Ion	Ratio	Lower	Upper
142	100		
141	93.5	74.2	111.4



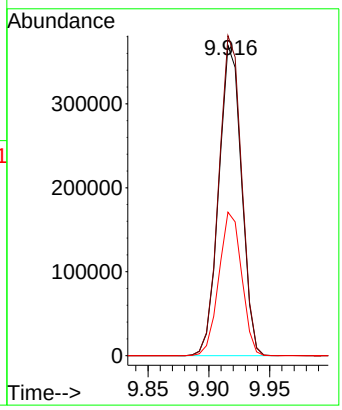


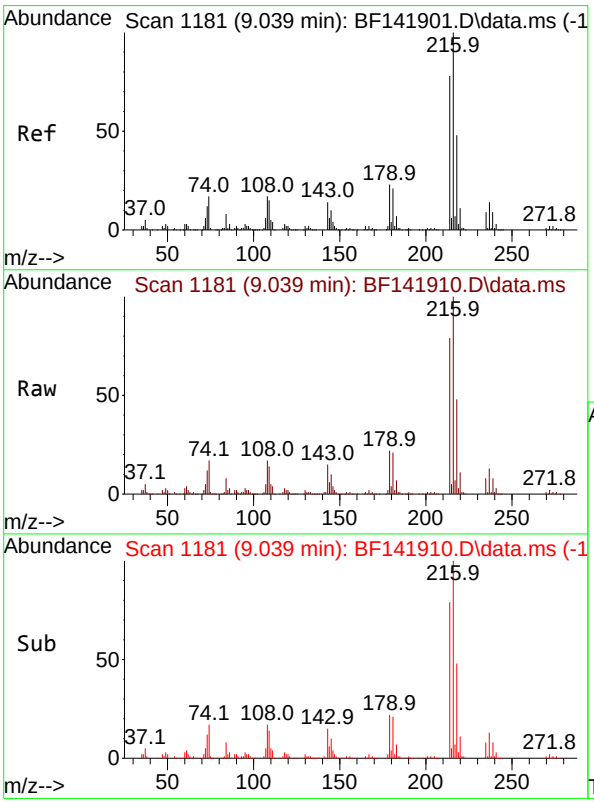
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 479107

Ion	Ratio	Lower	Upper
164	100		
162	103.2	81.8	122.6
160	46.3	36.7	55.1

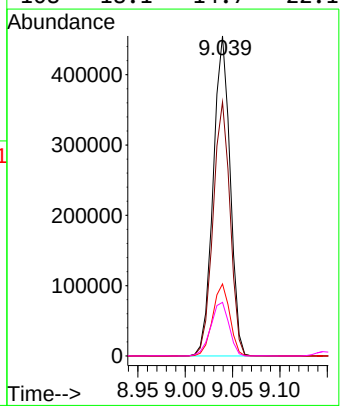


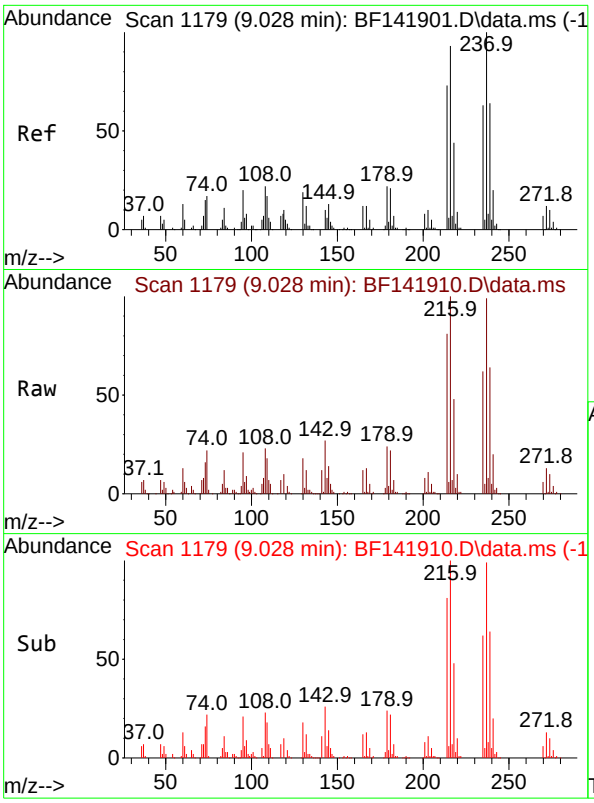


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.978 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:216 Resp: 568573

Ion	Ratio	Lower	Upper
216	100		
214	79.5	61.9	92.9
179	22.6	18.1	27.1
108	18.1	14.7	22.1



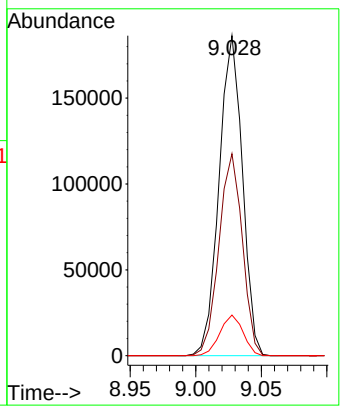


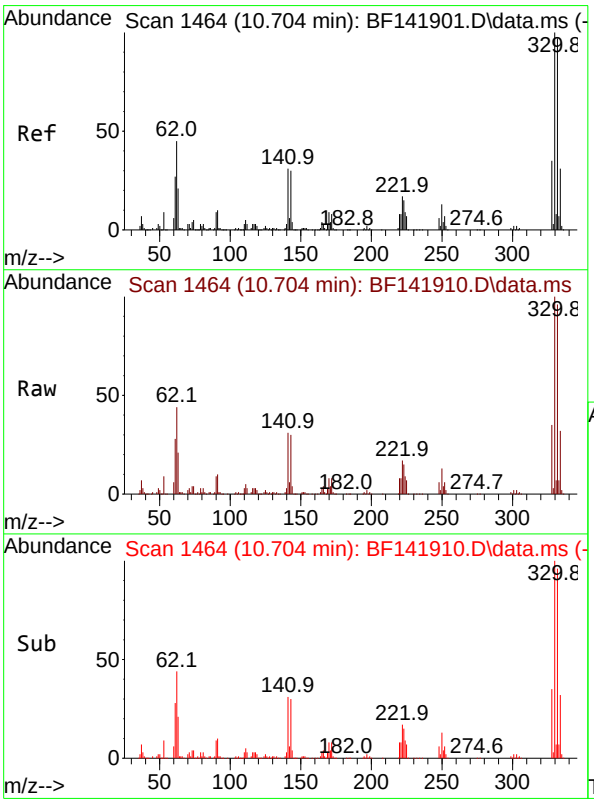
#41
Hexachlorocyclopentadiene
Concen: 40.373 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 230480

Ion	Ratio	Lower	Upper
237	100		
235	63.1	43.1	83.1
272	12.7	0.0	32.0

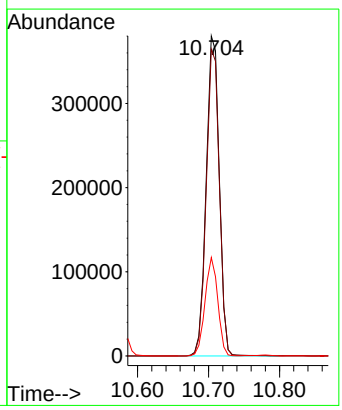


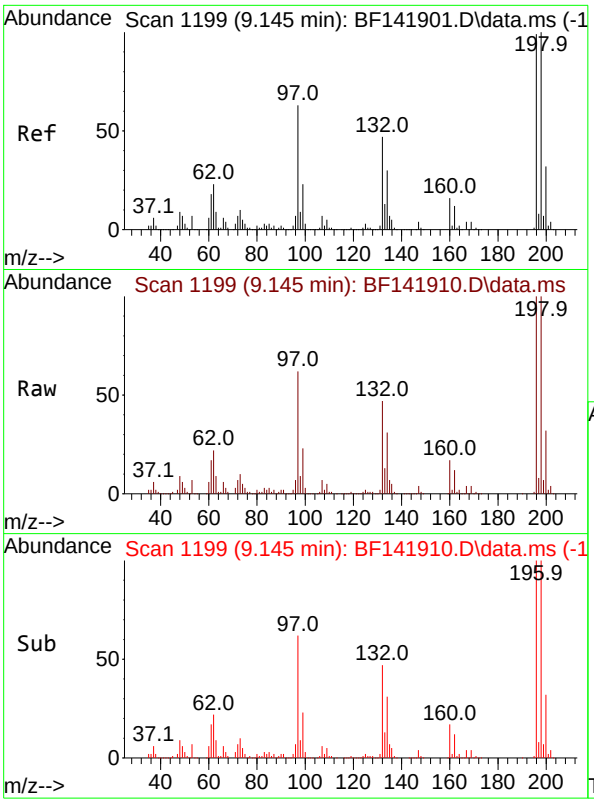


#42
2,4,6-Tribromophenol
Concen: 80.359 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:330 Resp: 488429

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.6	116.4
141	30.0	24.7	37.1



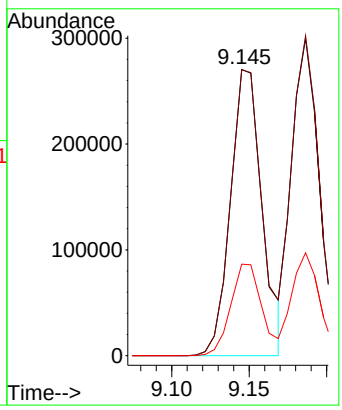


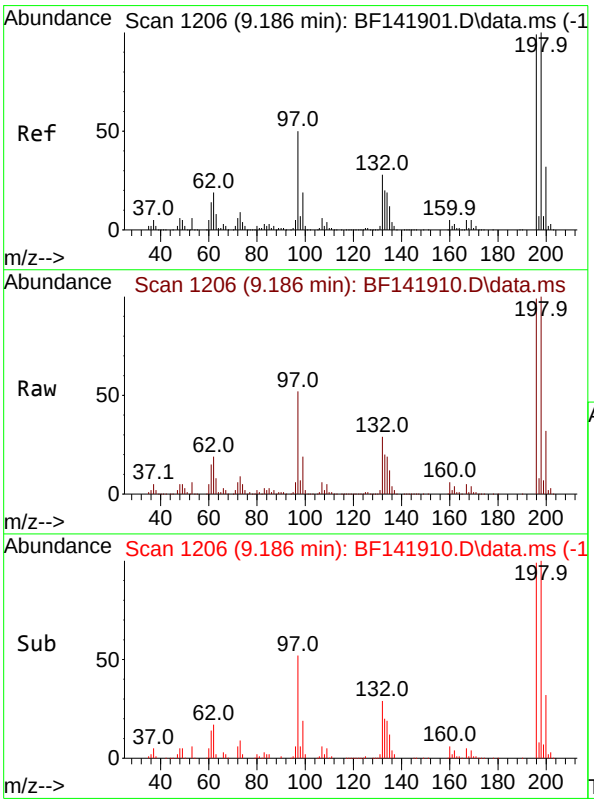
#43
2,4,6-Trichlorophenol
Concen: 40.071 ng
RT: 9.145 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 382004

Ion	Ratio	Lower	Upper
196	100		
198	99.9	80.6	121.0
200	32.0	25.8	38.6

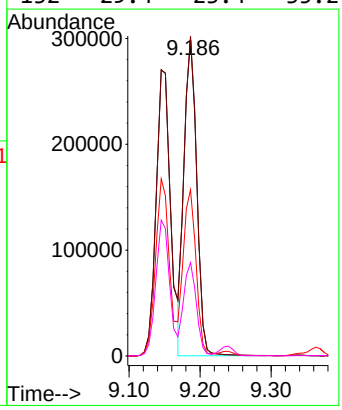


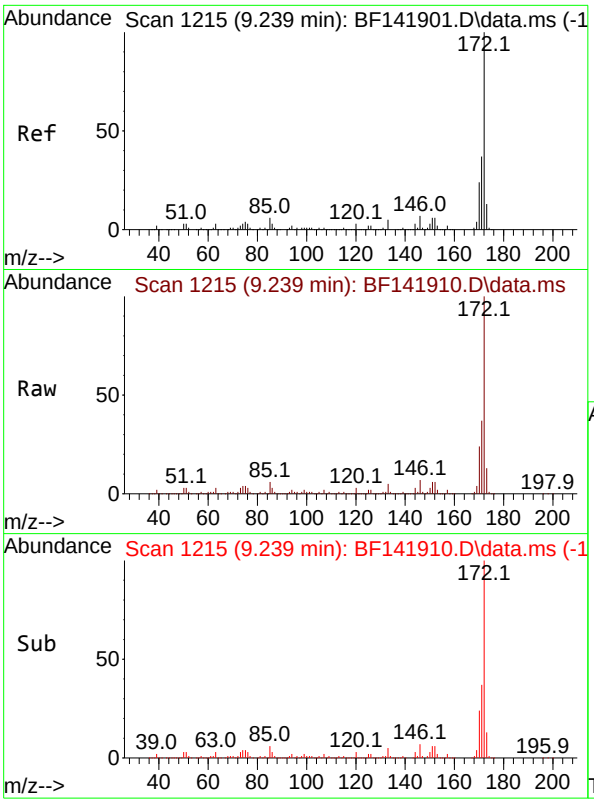


#44
2,4,5-Trichlorophenol
Concen: 38.614 ng
RT: 9.186 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:196 Resp: 372824

Ion	Ratio	Lower	Upper
196	100		
198	100.9	80.7	121.1
97	52.4	42.1	63.1
132	29.4	23.4	35.2



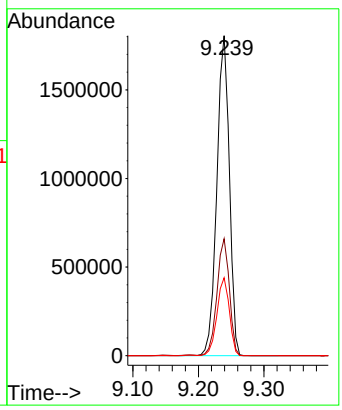


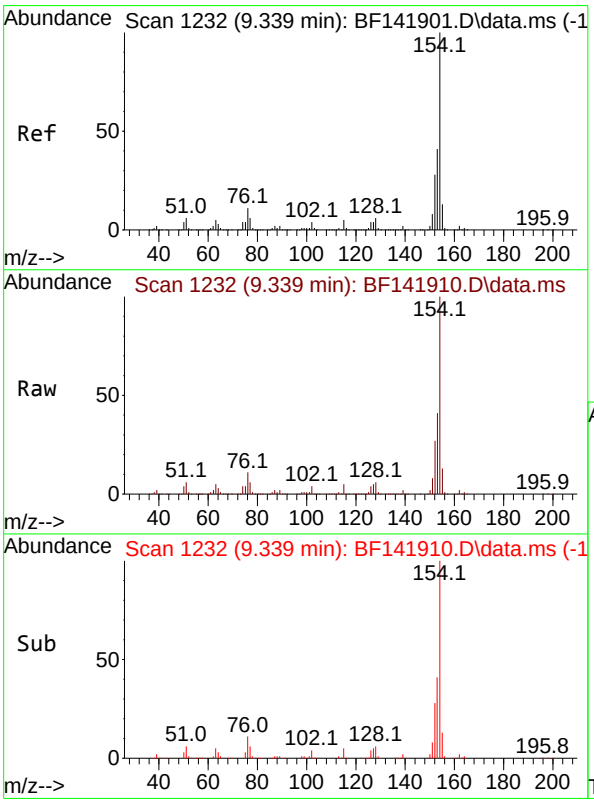
#45
2-Fluorobiphenyl
Concen: 75.388 ng
RT: 9.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 2374971

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.3	43.9
170	24.4	19.4	29.0

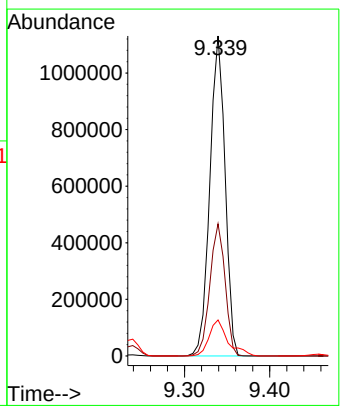


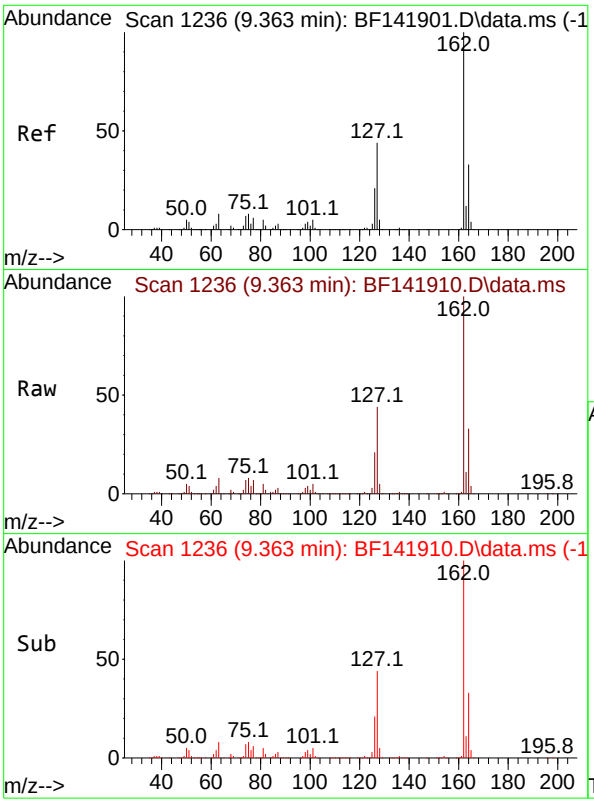


#46
1,1'-Biphenyl
Concen: 38.525 ng
RT: 9.339 min Scan# 1232
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:154 Resp: 1402423

Ion	Ratio	Lower	Upper
154	100		
153	41.3	21.1	61.1
76	11.2	0.0	31.3



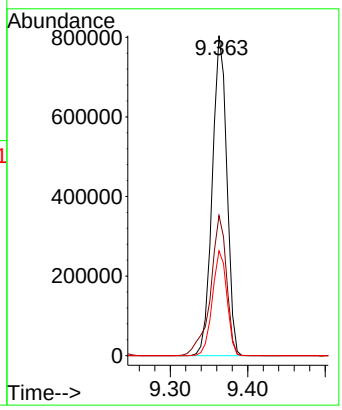


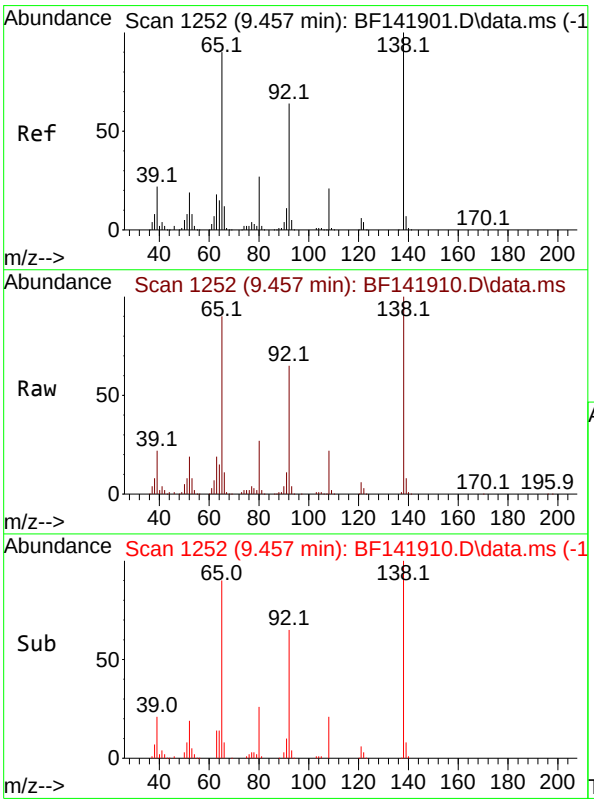
#47
2-Chloronaphthalene
Concen: 38.666 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 1049133

Ion	Ratio	Lower	Upper
162	100		
127	43.8	35.5	53.3
164	32.7	26.6	40.0

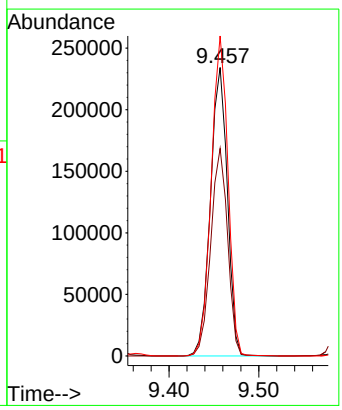


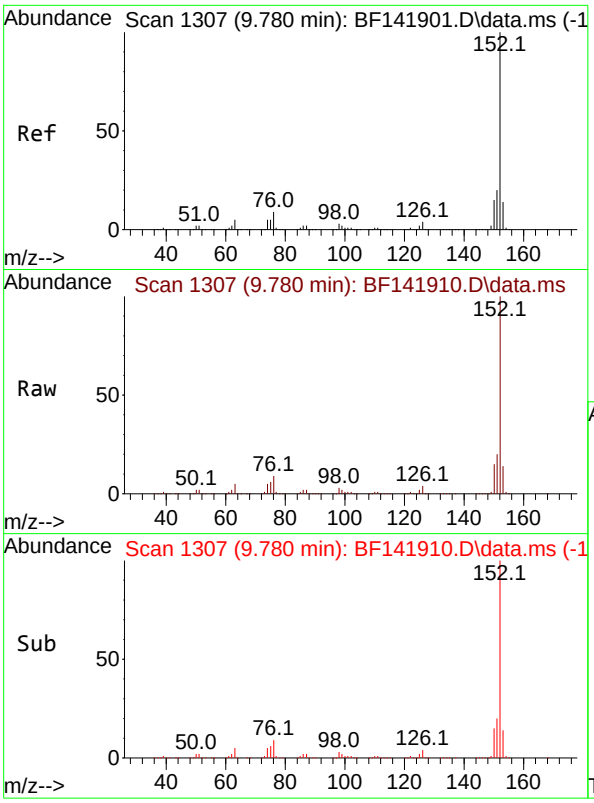


#48
2-Nitroaniline
Concen: 39.109 ng
RT: 9.457 min Scan# 1252
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion: 65 Resp: 307247

Ion	Ratio	Lower	Upper
65	100		
92	71.9	56.6	84.8
138	110.9	88.6	133.0



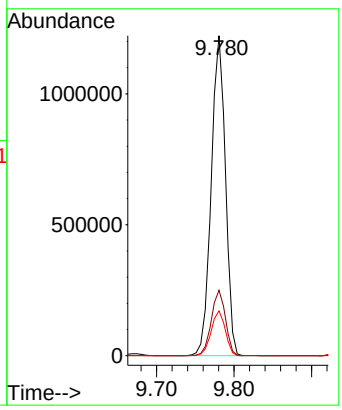


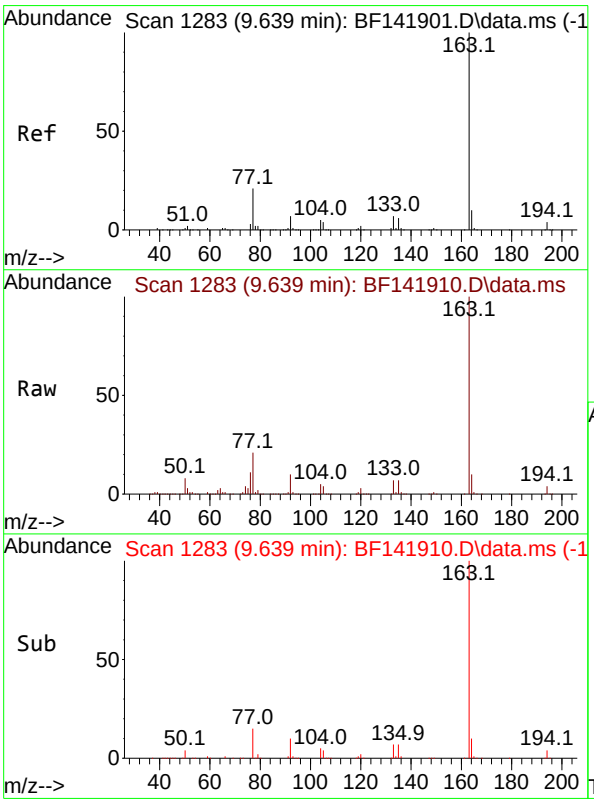
#49
Acenaphthylene
Concen: 38.616 ng
RT: 9.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 1554840

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.3	24.5
153	14.0	11.1	16.7

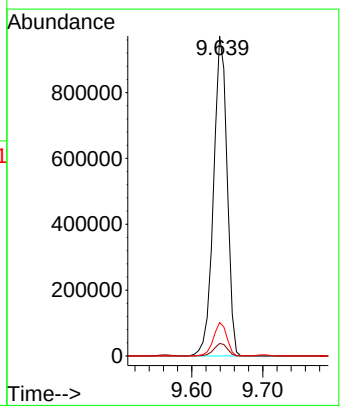


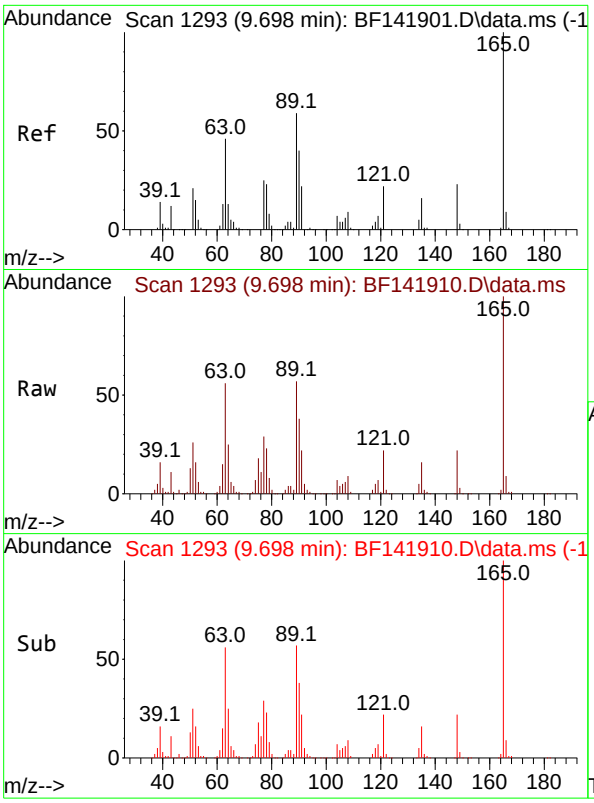


#50
Dimethylphthalate
Concen: 38.265 ng
RT: 9.639 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:163 Resp: 1283810

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.5	8.2	12.4



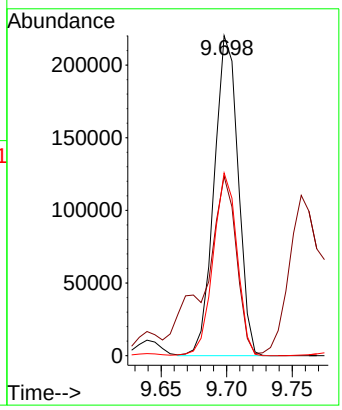


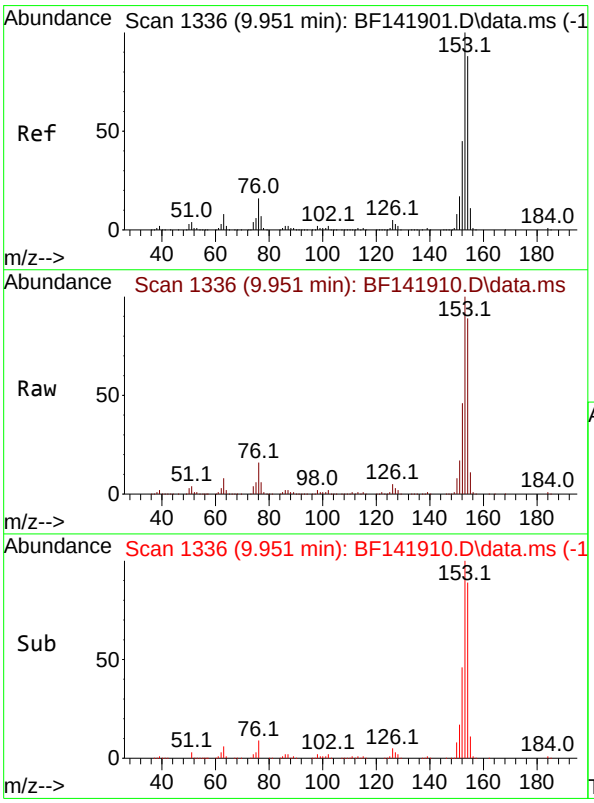
#51
2,6-Dinitrotoluene
Concen: 40.079 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 279974

Ion	Ratio	Lower	Upper
165	100		
63	56.0	47.0	70.4
89	57.1	47.4	71.2

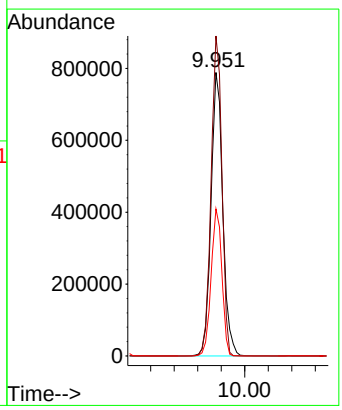


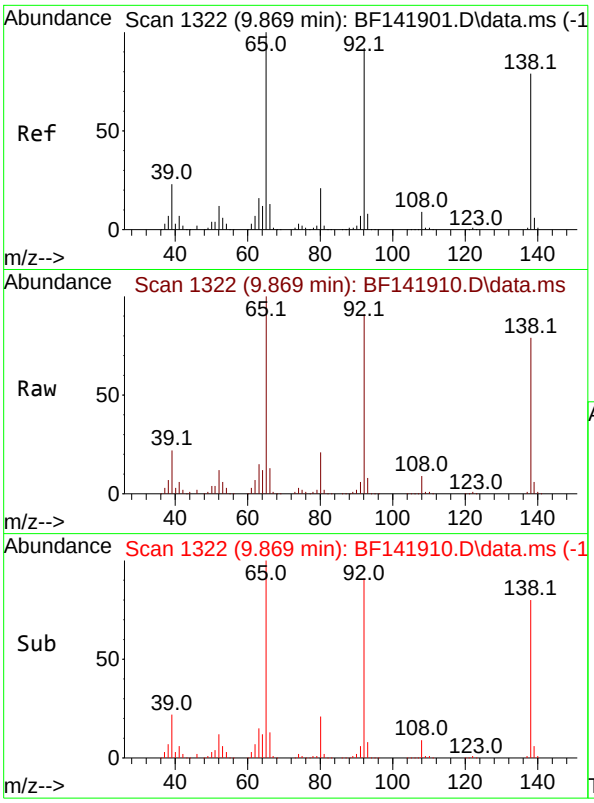


#52
Acenaphthene
Concen: 38.576 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:154 Resp: 1091559

Ion	Ratio	Lower	Upper
154	100		
153	112.8	90.7	136.1
152	51.9	41.1	61.7



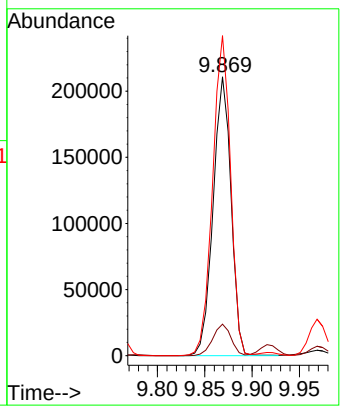


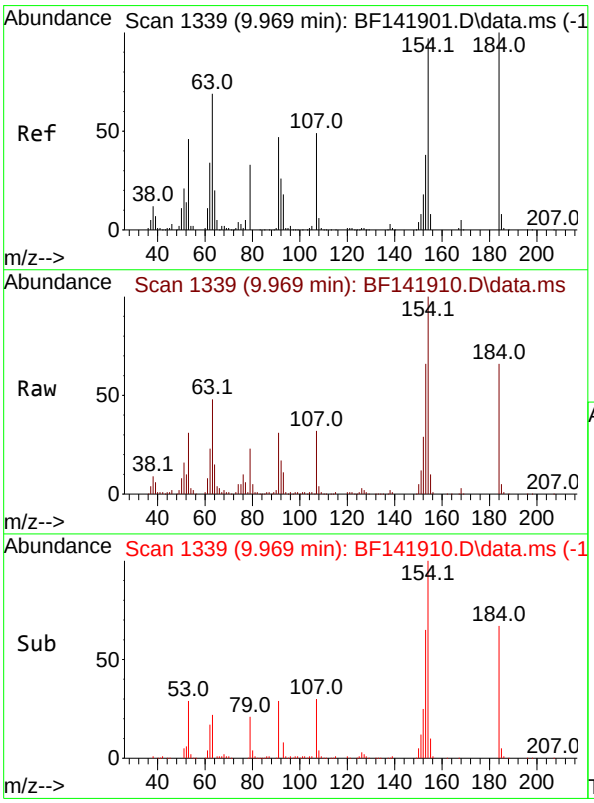
#53
3-Nitroaniline
Concen: 39.135 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 277307

Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.3	13.9
92	114.7	93.5	140.3

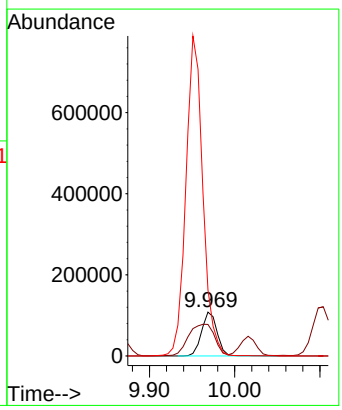


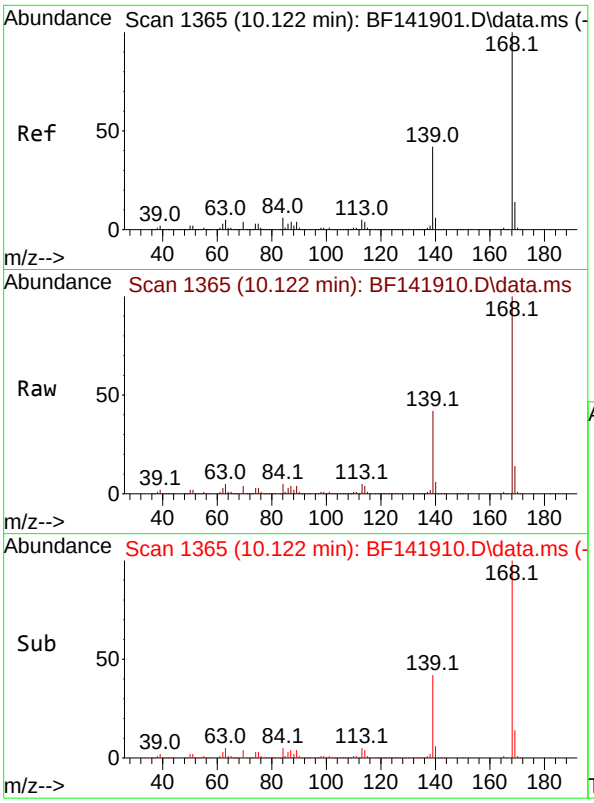


#54
2,4-Dinitrophenol
Concen: 38.237 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:184 Resp: 136926

Ion	Ratio	Lower	Upper
184	100		
63	71.7	60.2	90.4
154	150.5	132.9	199.3



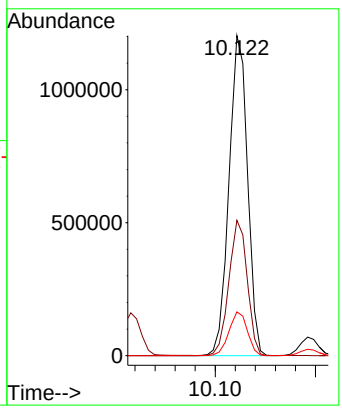


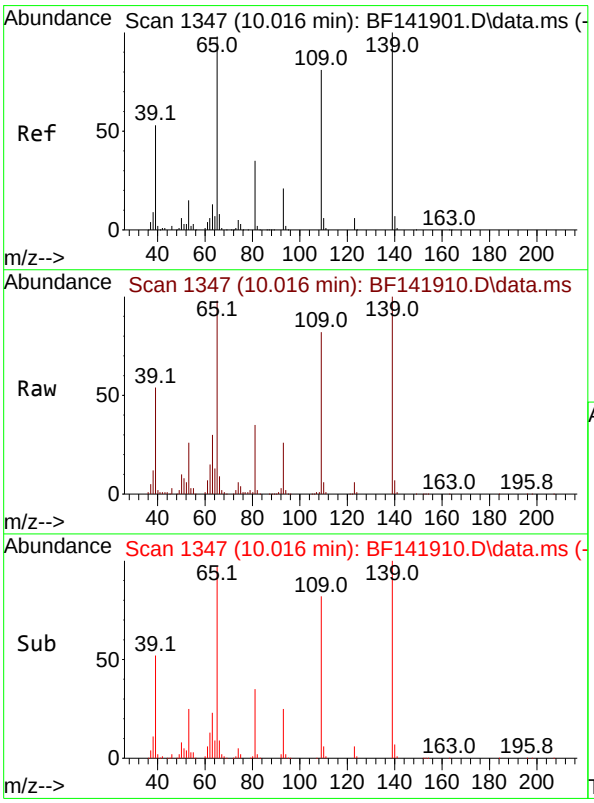
#55
Dibenzofuran
Concen: 38.292 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 1548206

Ion	Ratio	Lower	Upper
168	100		
139	42.3	33.9	50.9
169	13.7	11.0	16.4

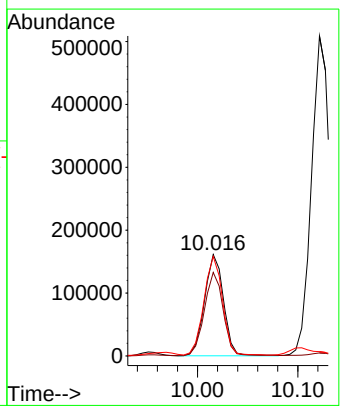


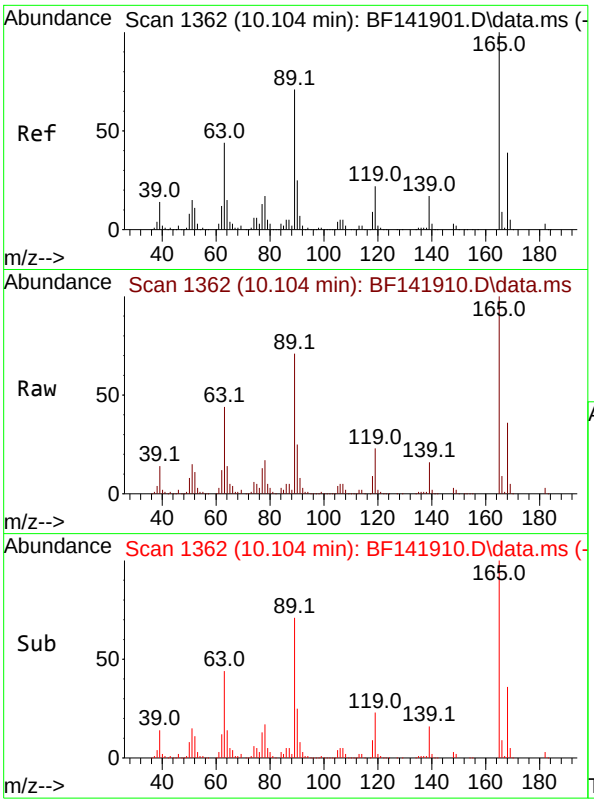


#56
4-Nitrophenol
Concen: 39.683 ng
RT: 10.016 min Scan# 1347
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:139 Resp: 212052

Ion	Ratio	Lower	Upper
139	100		
109	82.3	61.6	101.6
65	98.1	79.4	119.4



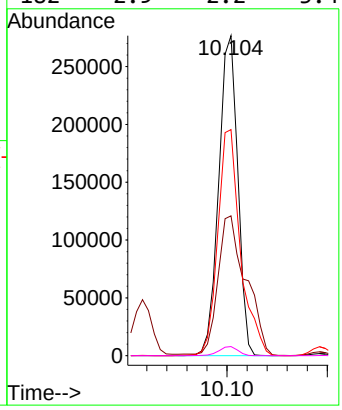


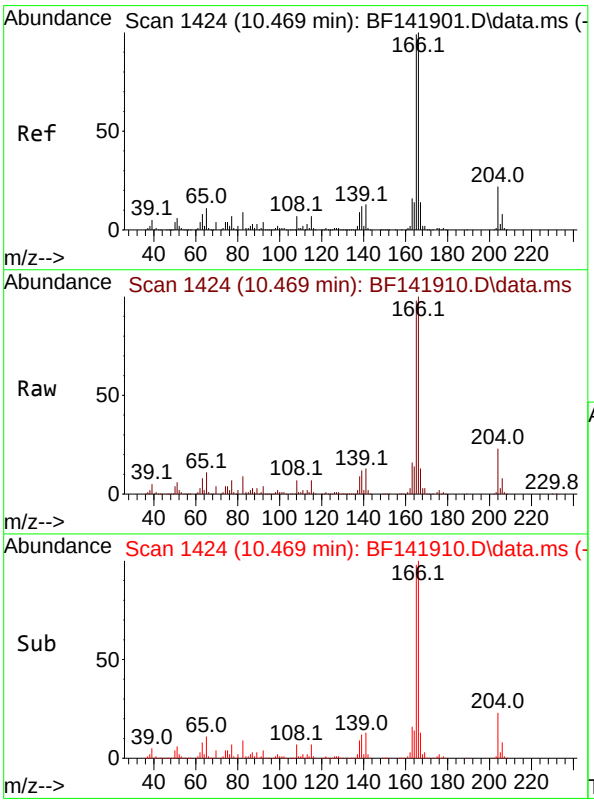
#57
2,4-Dinitrotoluene
Concen: 39.975 ng
RT: 10.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 364725

Ion	Ratio	Lower	Upper
165	100		
63	43.7	35.4	53.2
89	70.7	56.6	84.8
182	2.9	2.2	3.4

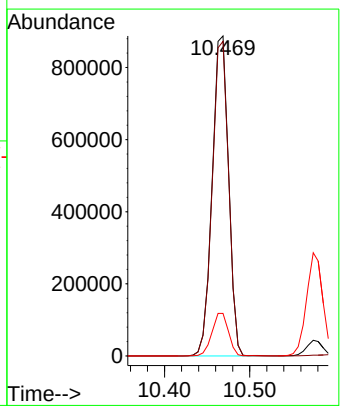


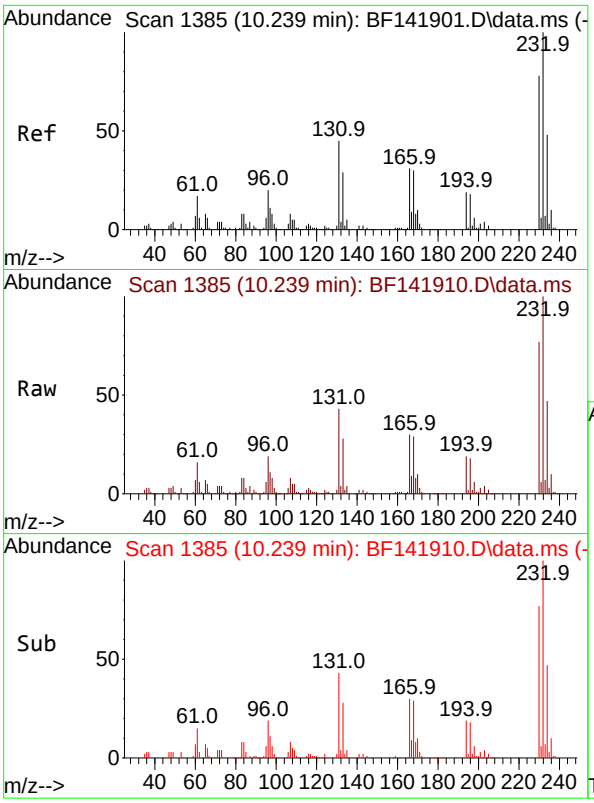


#58
Fluorene
Concen: 38.073 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:166 Resp: 1187102

Ion	Ratio	Lower	Upper
166	100		
165	98.3	79.0	118.4
167	13.3	11.0	16.4



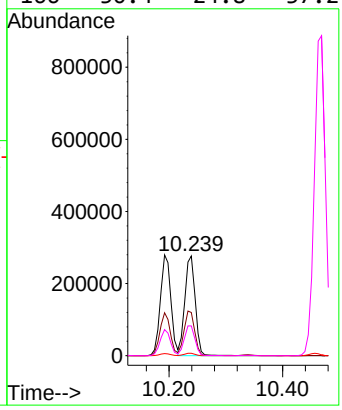


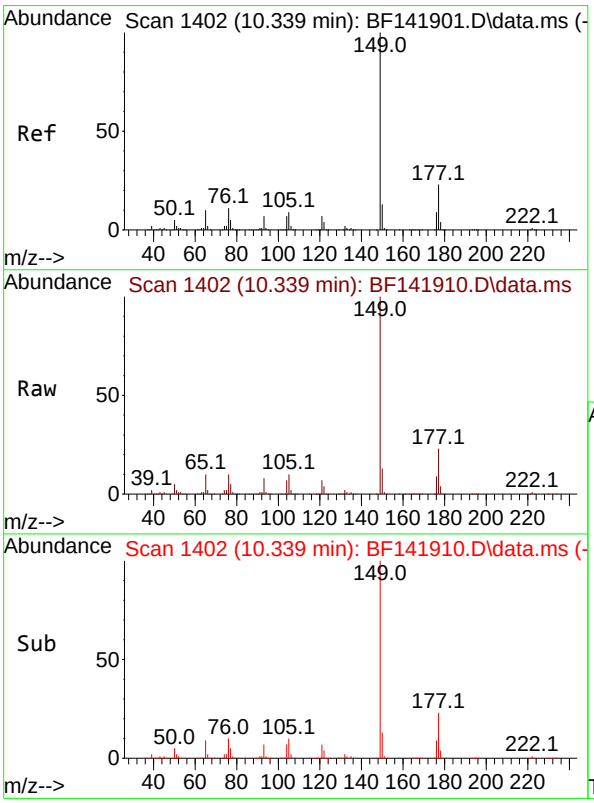
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.950 ng
RT: 10.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 351000

Ion	Ratio	Lower	Upper
232	100		
131	45.1	37.3	55.9
130	2.5	1.9	2.9
166	30.4	24.8	37.2

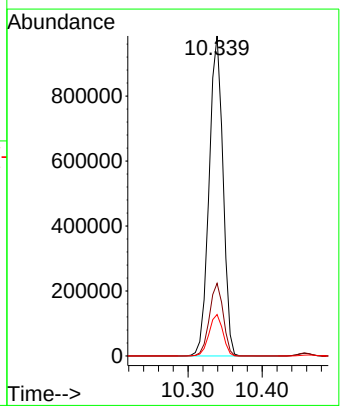


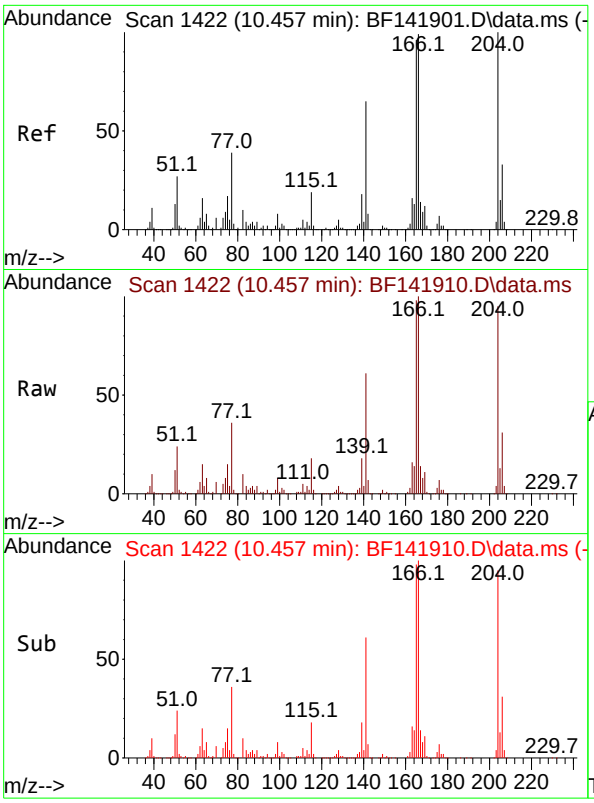


#60
Diethylphthalate
Concen: 38.320 ng
RT: 10.339 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:149 Resp: 1281977

Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.0	27.0
150	13.0	10.2	15.4



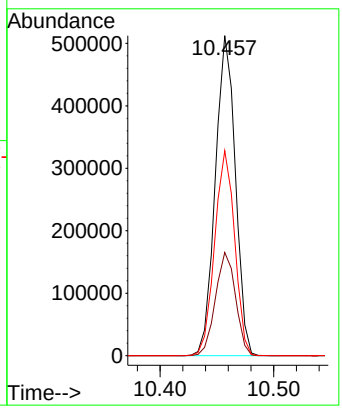


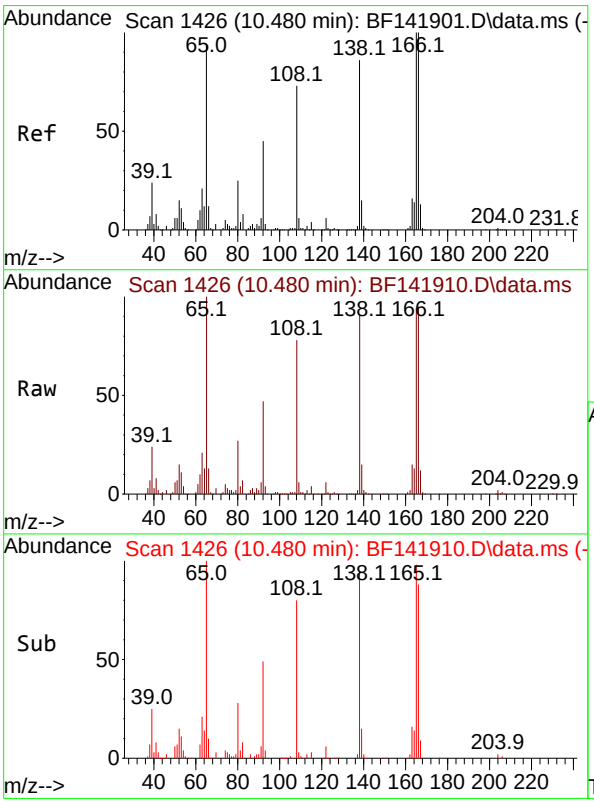
#61
4-Chlorophenyl-phenylether
Concen: 38.726 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 629512

Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.8	40.2
141	64.1	52.4	78.6

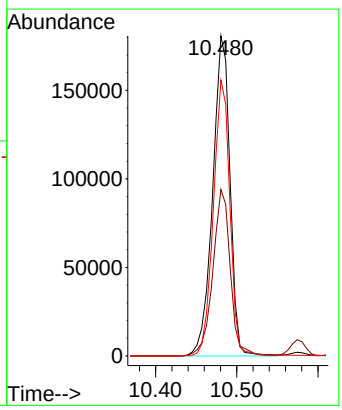


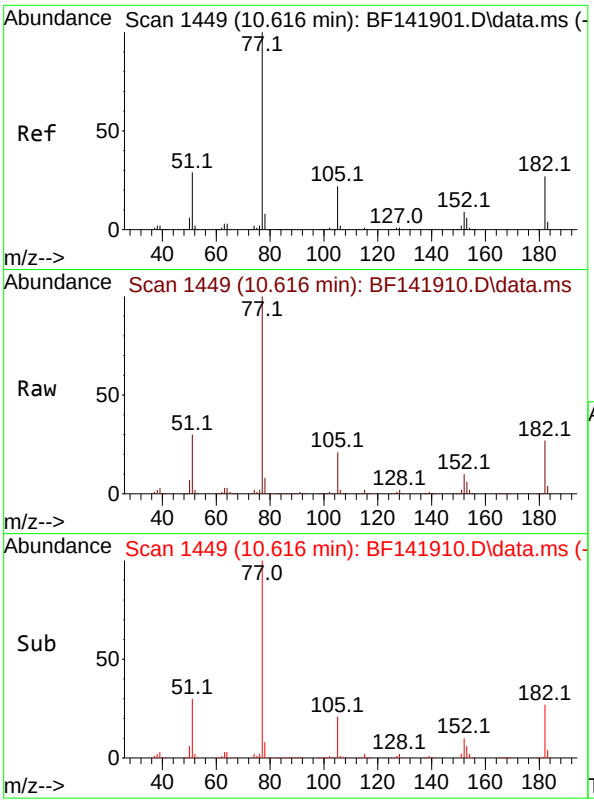


#62
4-Nitroaniline
Concen: 38.925 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:138 Resp: 268529

Ion	Ratio	Lower	Upper
138	100		
92	52.0	32.6	72.6
108	86.2	65.0	105.0



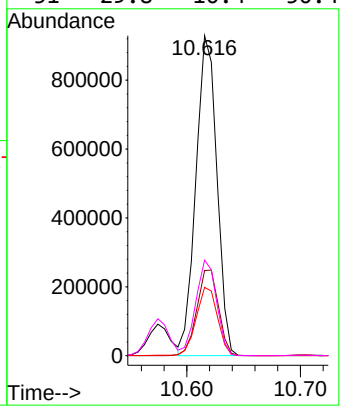


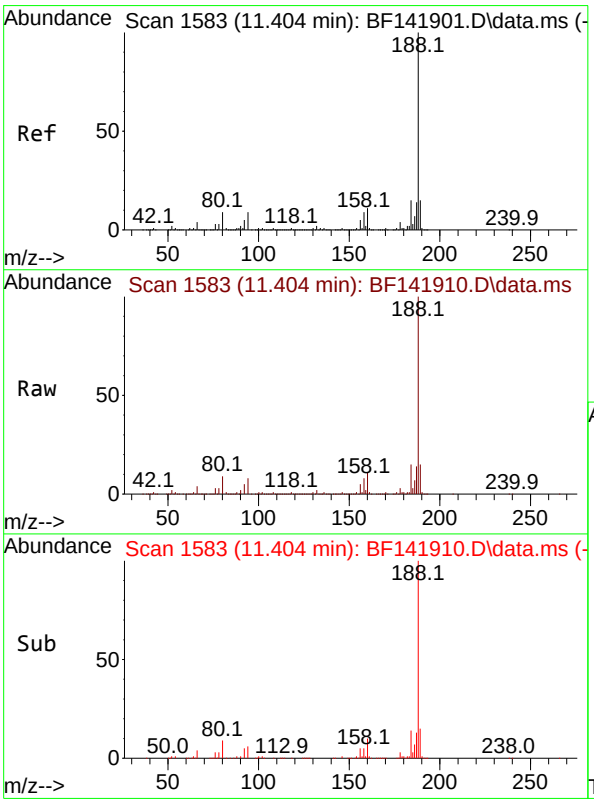
#63
Azobenzene
Concen: 38.408 ng
RT: 10.616 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1194591

Ion	Ratio	Lower	Upper
77	100		
182	26.6	6.6	46.6
105	21.3	1.3	41.3
51	29.8	10.4	50.4

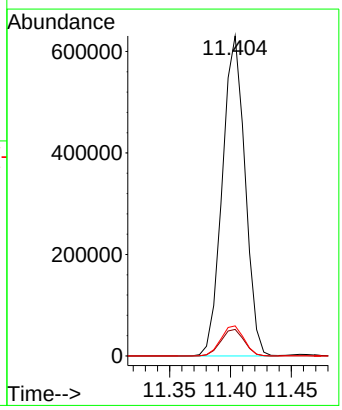


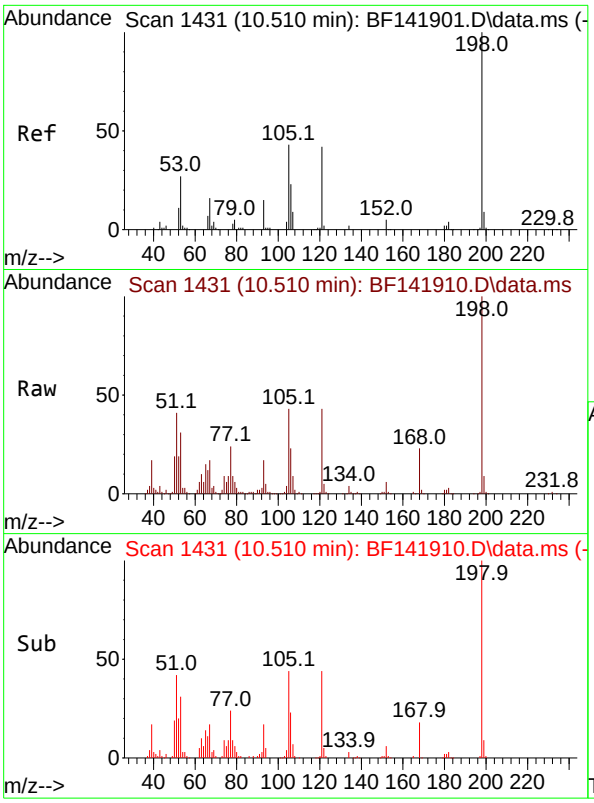


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:188 Resp: 819898

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.8	10.2
80	9.4	7.6	11.4



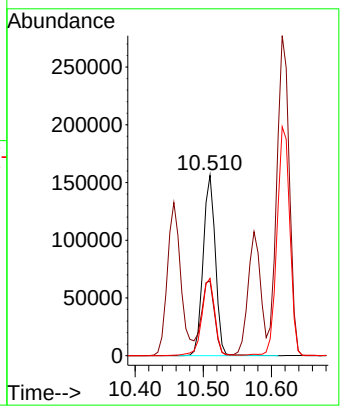


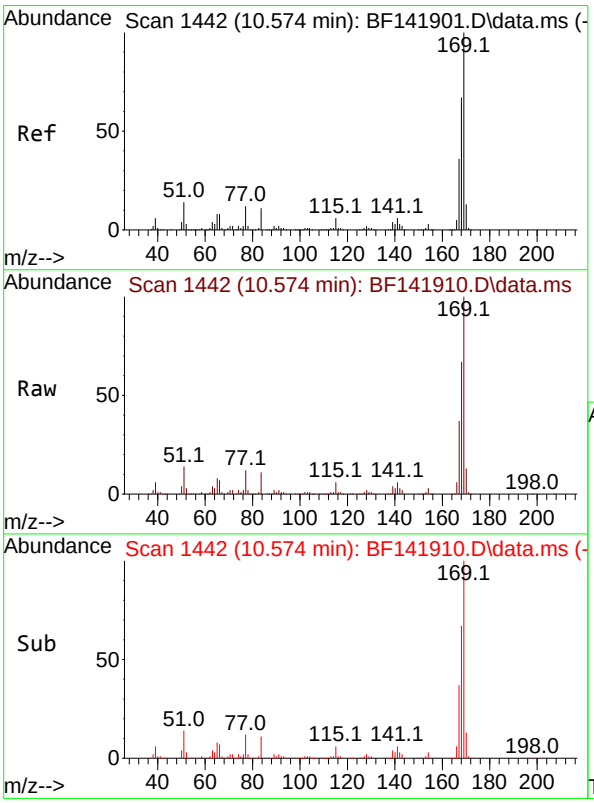
#65
4,6-Dinitro-2-methylphenol
Concen: 39.988 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 195453

Ion	Ratio	Lower	Upper
198	100		
51	41.4	22.3	62.3
105	42.9	23.0	63.0

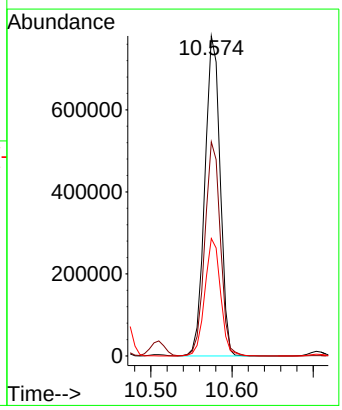


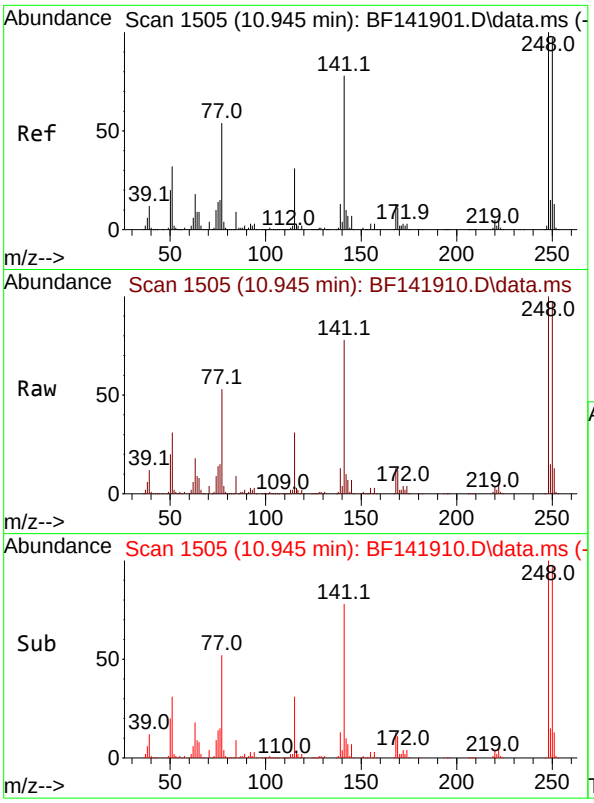


#66
n-Nitrosodiphenylamine
Concen: 38.251 ng
RT: 10.574 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:169 Resp: 1014883

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.7	80.5
167	36.7	29.2	43.8



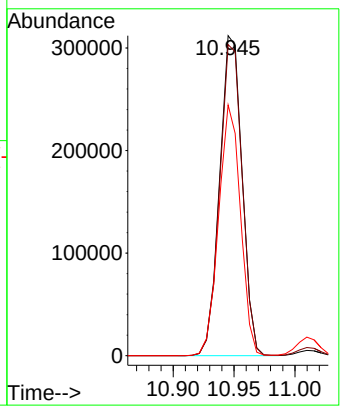


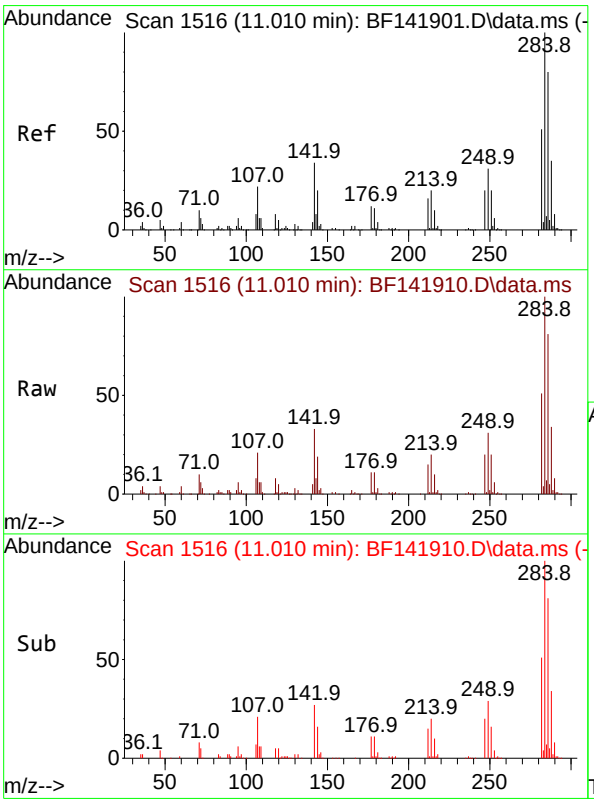
#67
4-Bromophenyl-phenylether
Concen: 39.001 ng
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 401588

Ion	Ratio	Lower	Upper
248	100		
250	97.2	77.8	116.8
141	78.3	62.6	93.8

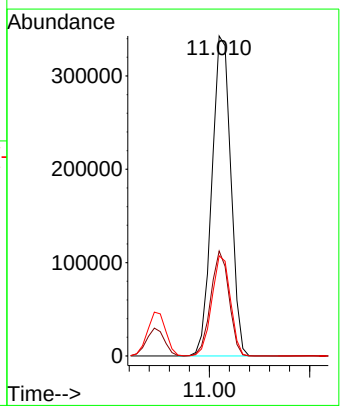


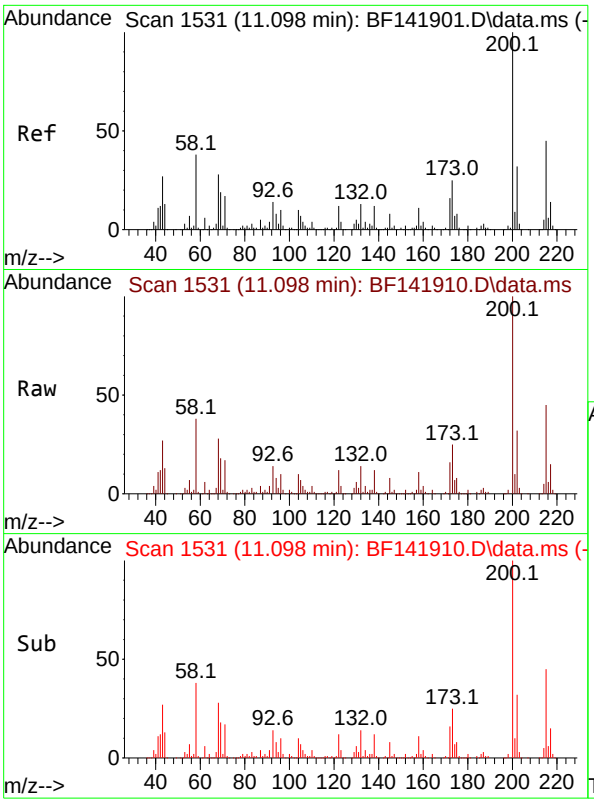


#68
Hexachlorobenzene
Concen: 39.703 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:284 Resp: 448381

Ion	Ratio	Lower	Upper
284	100		
142	32.8	27.0	40.6
249	31.3	25.2	37.8



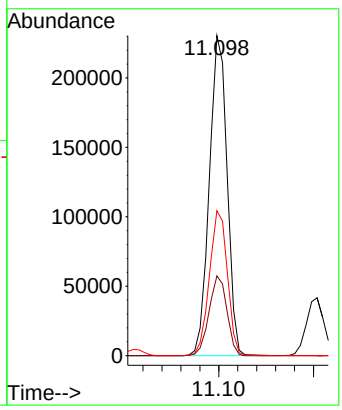


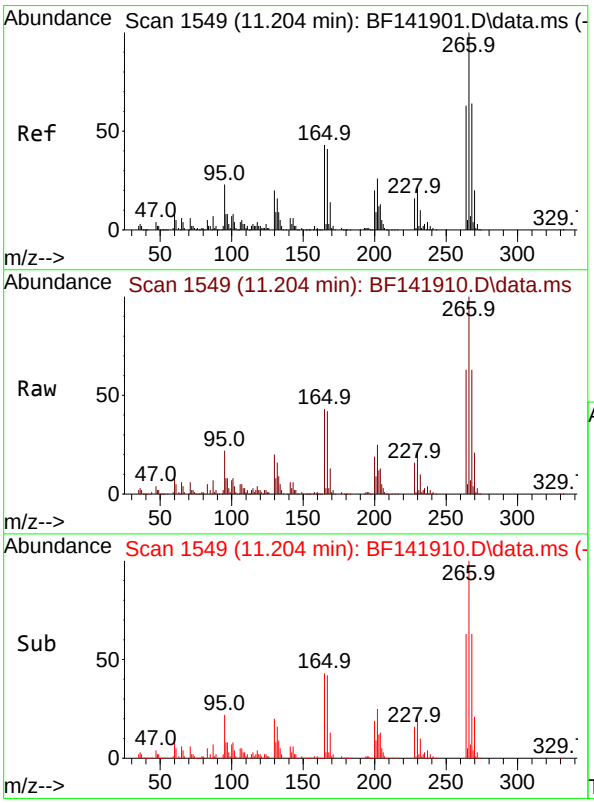
#69
Atrazine
Concen: 36.855 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 299767

Ion	Ratio	Lower	Upper
200	100		
173	25.0	4.7	44.7
215	45.3	25.4	65.4

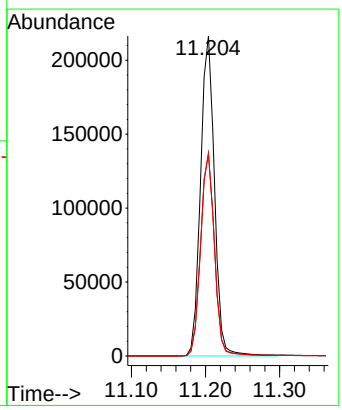


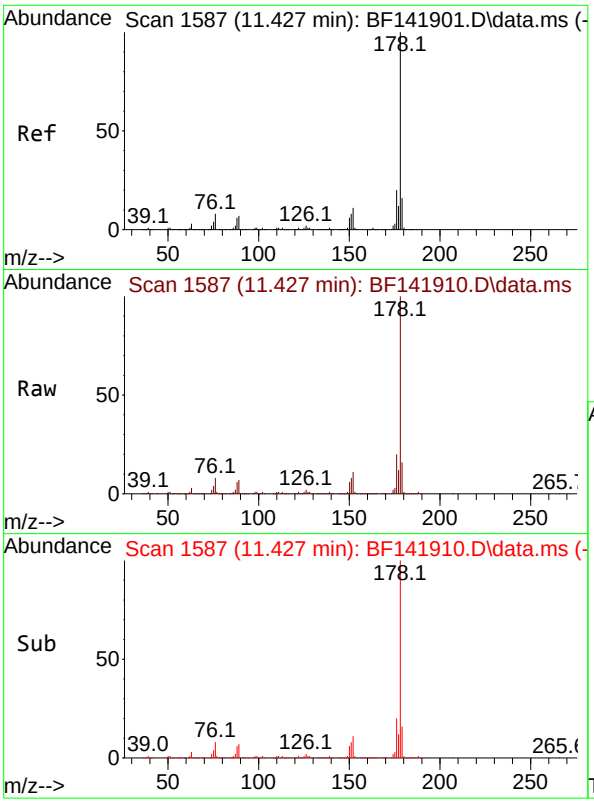


#70
Pentachlorophenol
Concen: 40.651 ng
RT: 11.204 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:266 Resp: 282858

Ion	Ratio	Lower	Upper
266	100		
268	63.3	51.0	76.6
264	63.2	50.2	75.2



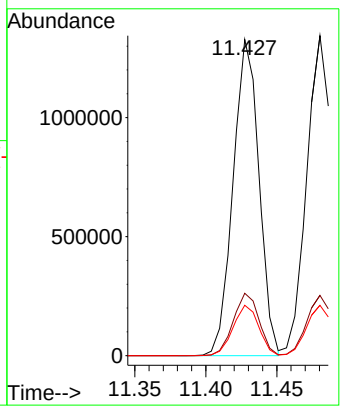


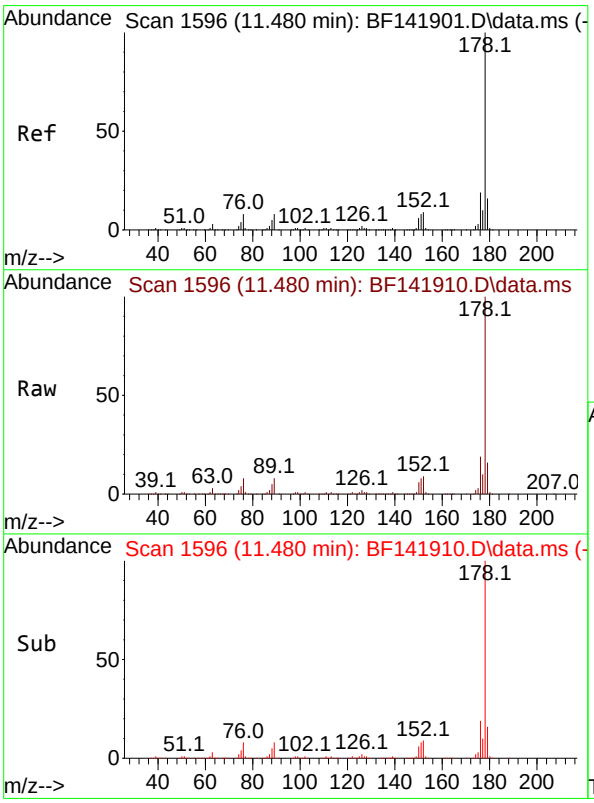
#71
Phenanthrene
Concen: 38.045 ng
RT: 11.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 1684816

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.9	12.6	19.0

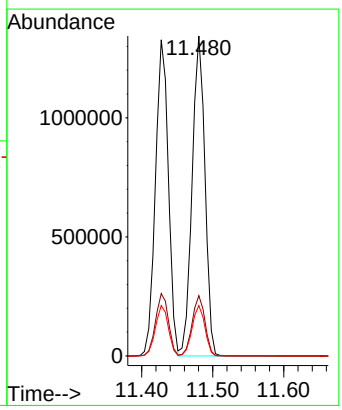


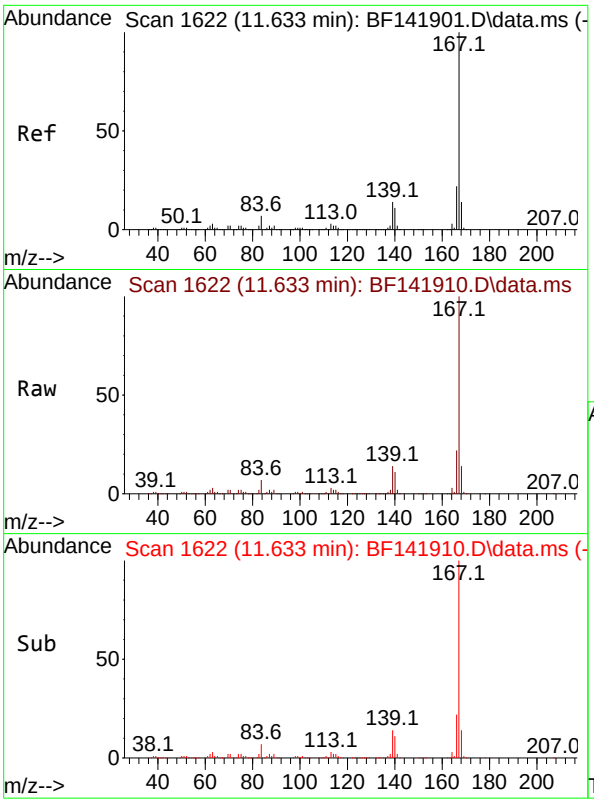


#72
Anthracene
Concen: 38.043 ng
RT: 11.480 min Scan# 1596
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:178 Resp: 1690241

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.8	12.6	19.0



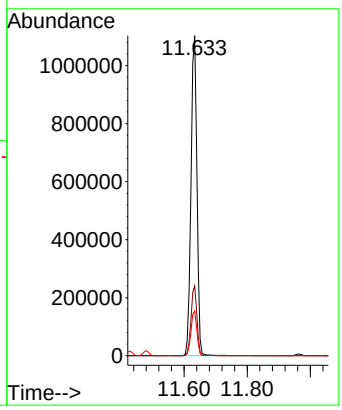


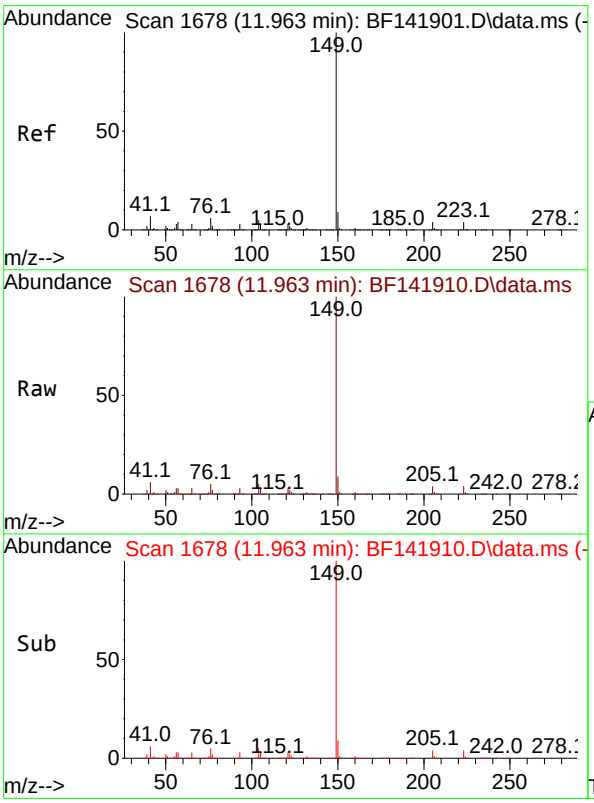
#73
Carbazole
Concen: 37.829 ng
RT: 11.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 1449478

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.4	26.2
139	14.0	11.0	16.6

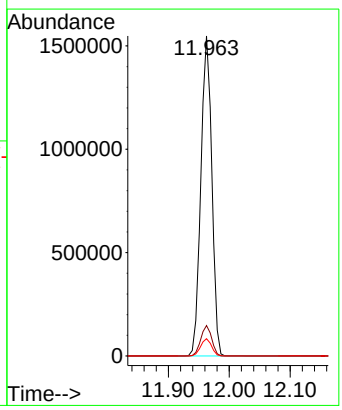


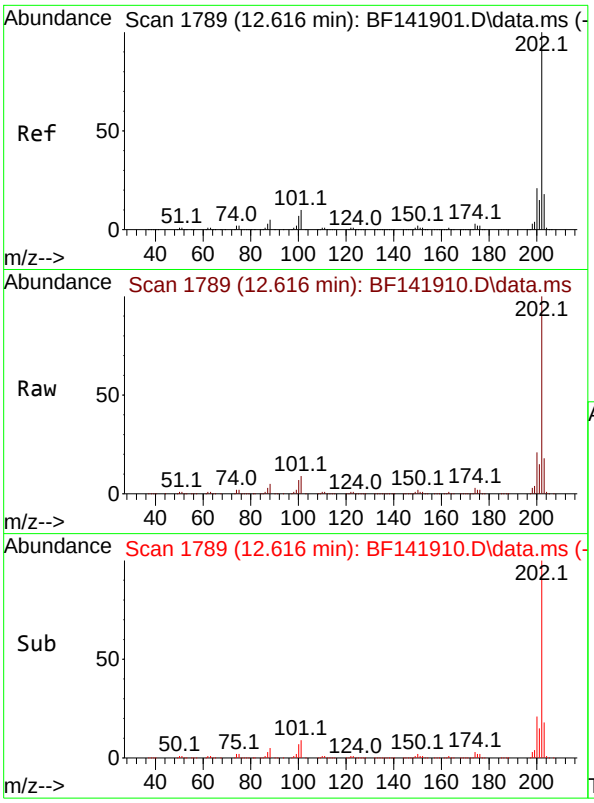


#74
Di-n-butylphthalate
Concen: 37.945 ng
RT: 11.963 min Scan# 1678
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:149 Resp: 1929199

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.6	11.4
104	5.4	4.4	6.6



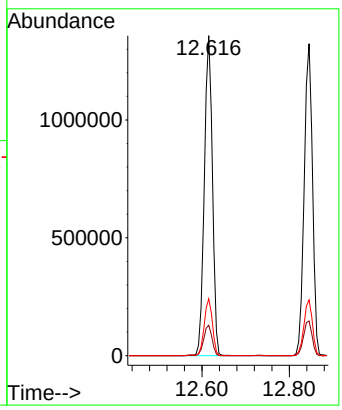


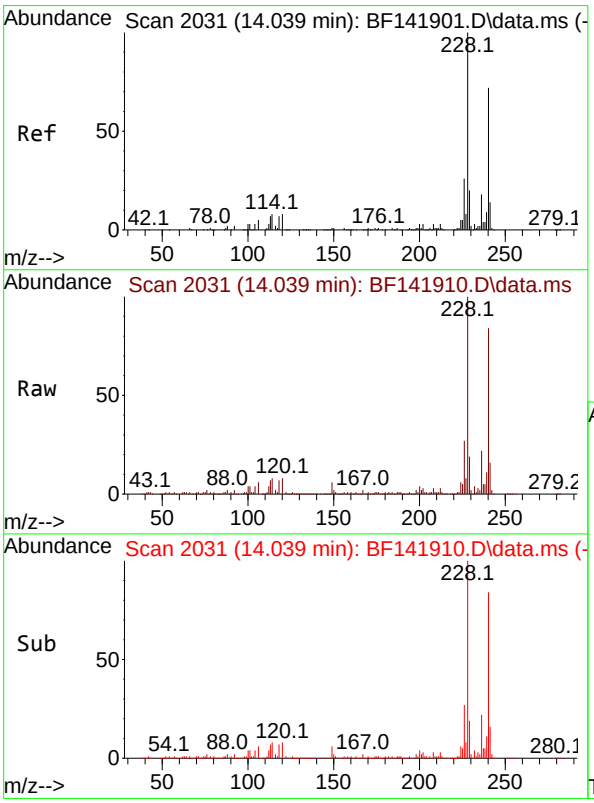
#75
Fluoranthene
Concen: 37.256 ng
RT: 12.616 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 1750151

Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	29.7
203	17.8	0.0	37.8

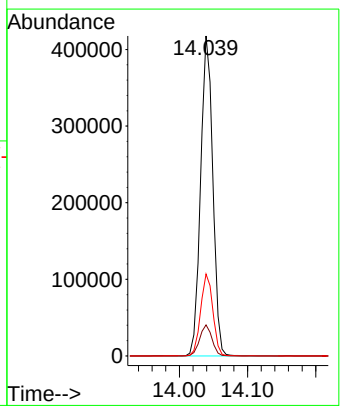


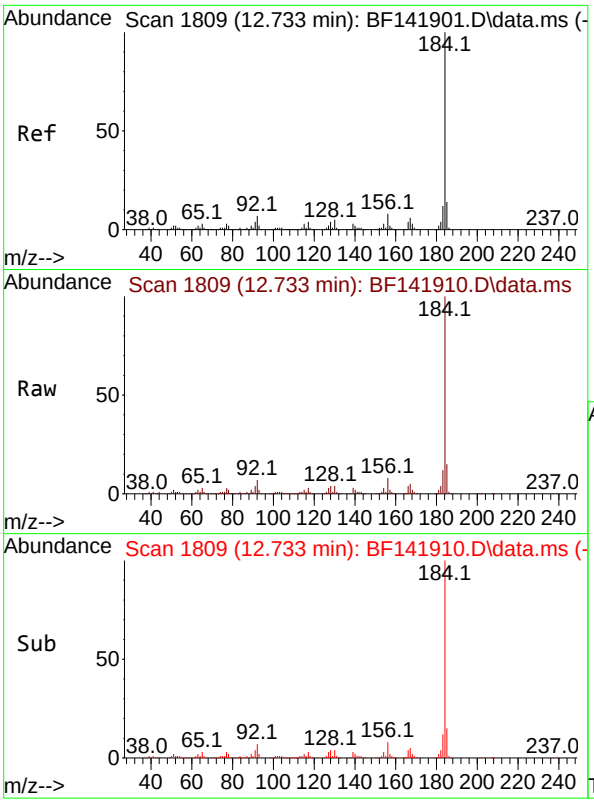


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:240 Resp: 519479

Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.4	12.6
236	25.6	20.5	30.7



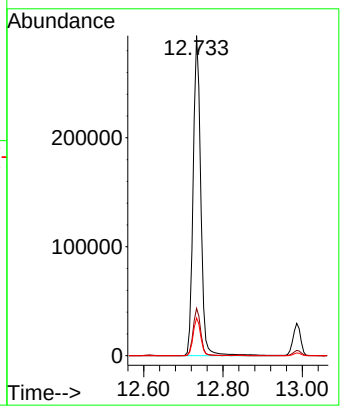


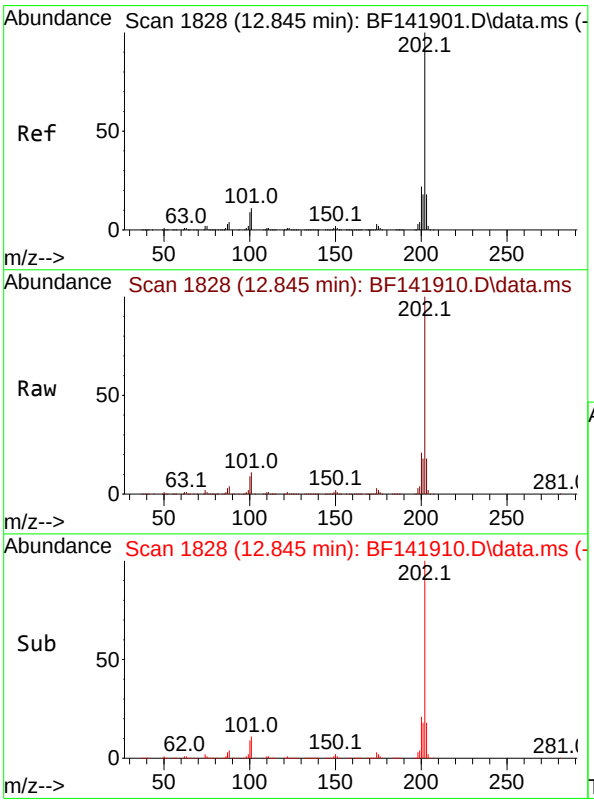
#77
Benzidine
Concen: 54.153 ng
RT: 12.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 392482

Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.5	17.3
183	11.8	9.7	14.5

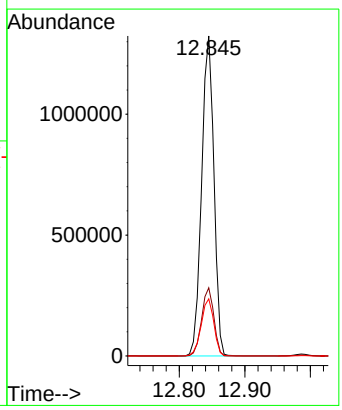


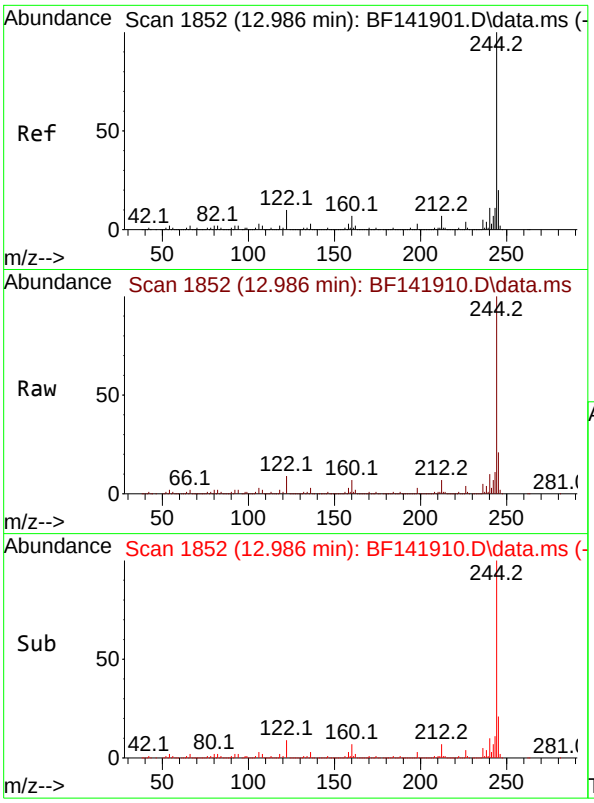


#78
Pyrene
Concen: 38.418 ng
RT: 12.845 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:202 Resp: 1726338

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.3	25.9
203	17.9	14.4	21.6



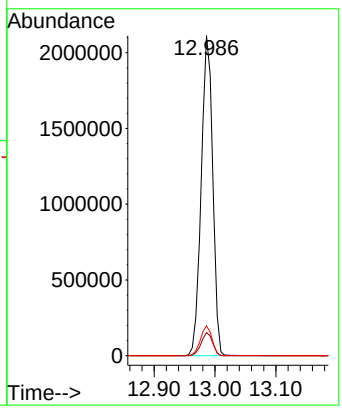


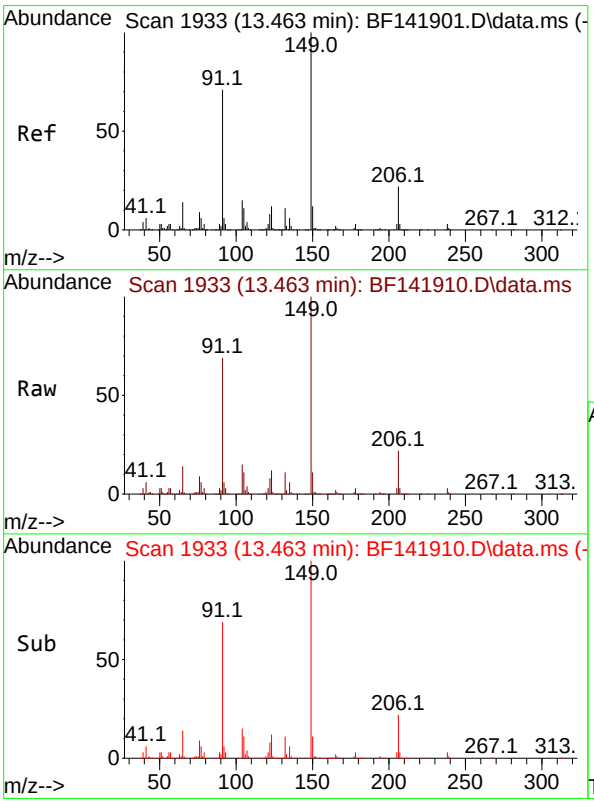
#79
Terphenyl-d14
Concen: 79.004 ng
RT: 12.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 2775945

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	9.3	7.7	11.5

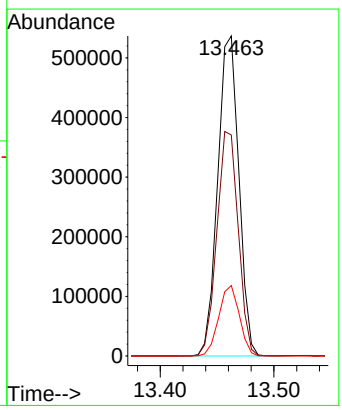


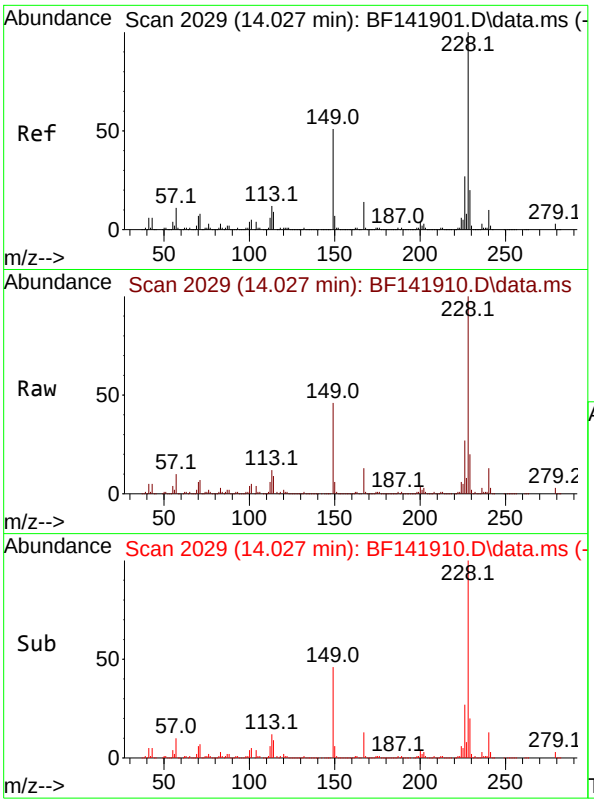


#80
Butylbenzylphthalate
Concen: 39.548 ng
RT: 13.463 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:149 Resp: 695571

Ion	Ratio	Lower	Upper
149	100		
91	69.1	56.5	84.7
206	22.0	17.3	25.9



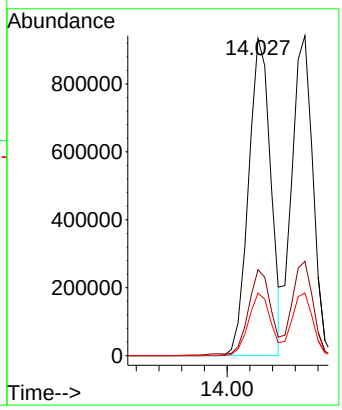


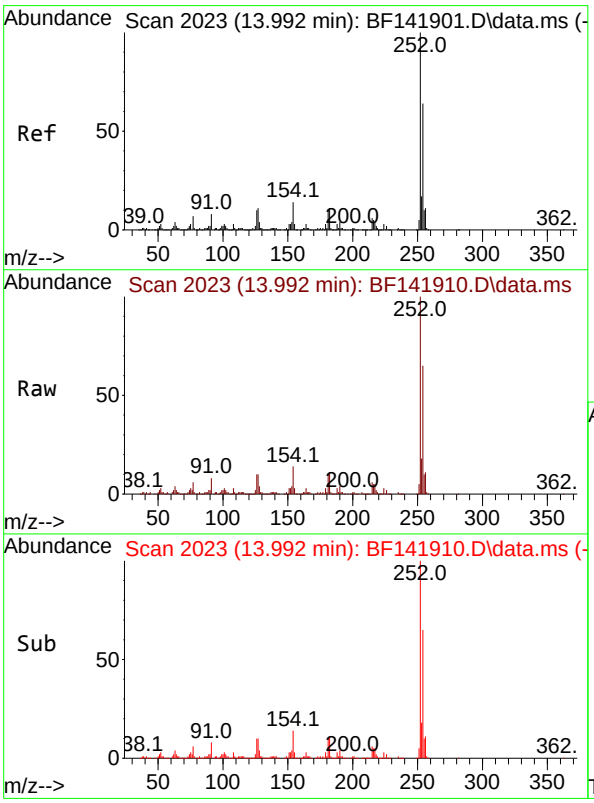
#81
Benzo(a)anthracene
Concen: 37.144 ng
RT: 14.027 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 1266188

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.8
229	19.7	16.0	24.0

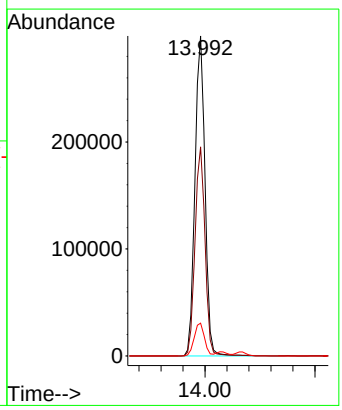


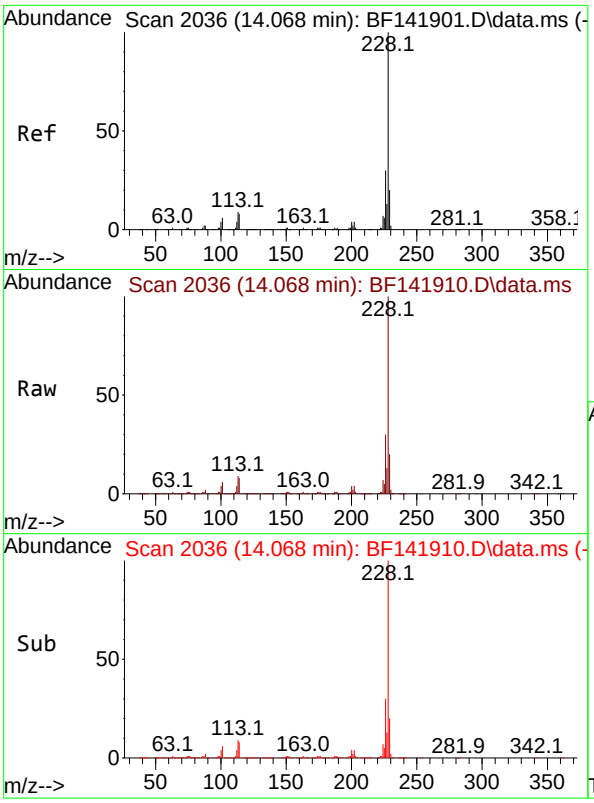


#82
3,3'-Dichlorobenzidine
Concen: 38.611 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:252 Resp: 380363

Ion	Ratio	Lower	Upper
252	100		
254	65.4	51.0	76.6
126	10.3	8.4	12.6



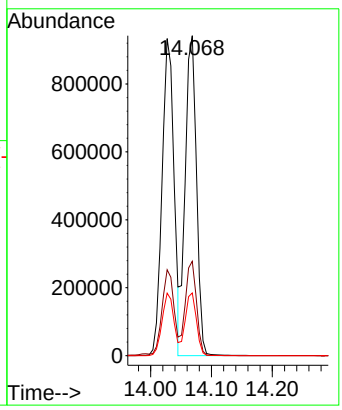


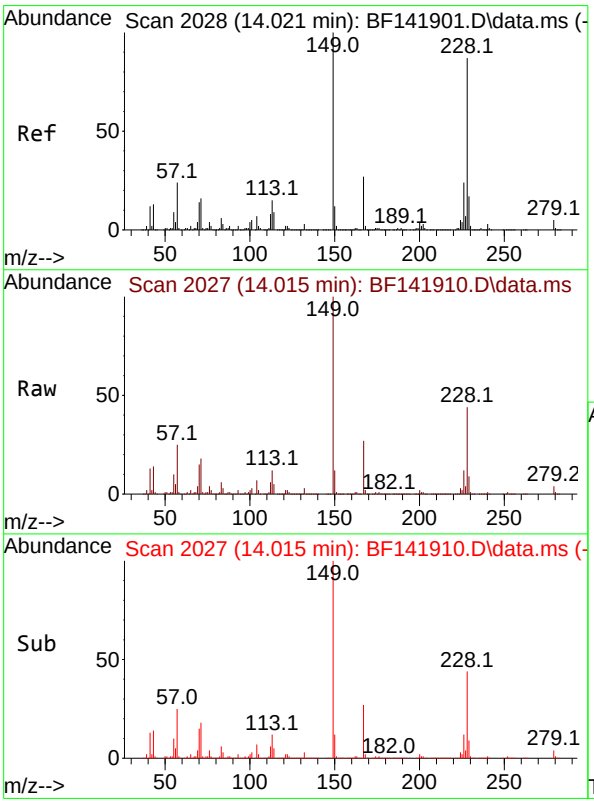
#83
Chrysene
Concen: 39.306 ng
RT: 14.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 1214561

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.1	36.1
229	19.6	15.7	23.5

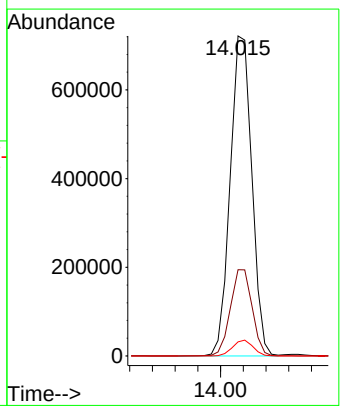


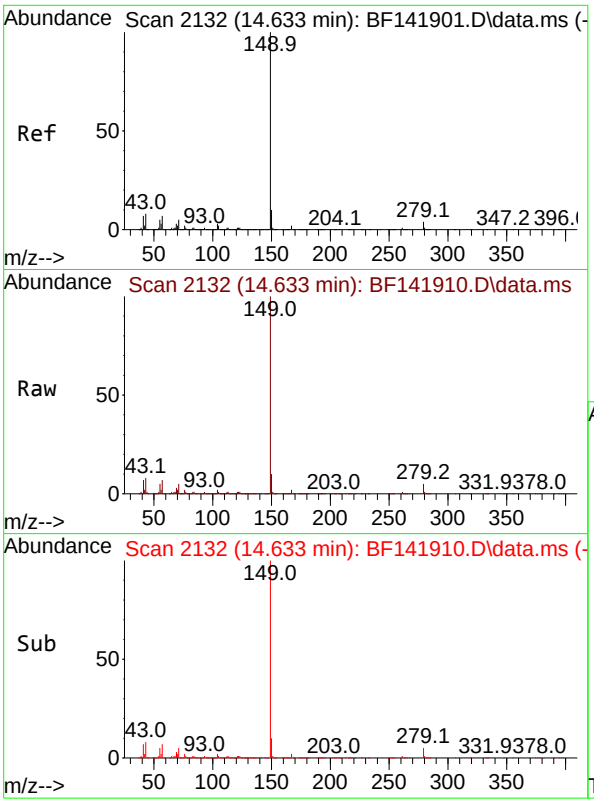


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.447 ng
RT: 14.015 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:149 Resp: 956586

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.4	32.0
279	4.4	3.8	5.6



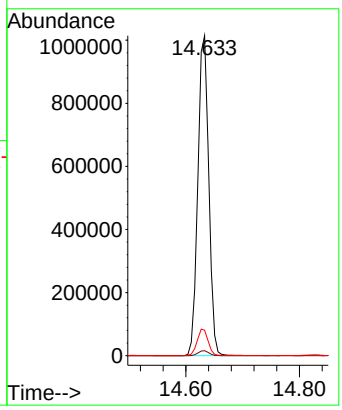


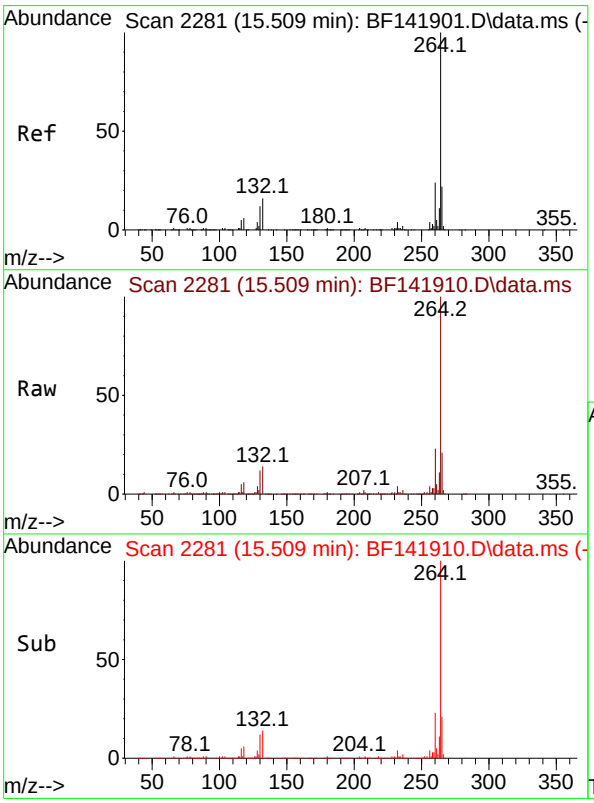
#85
Di-n-octyl phthalate
Concen: 40.262 ng
RT: 14.633 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 1358481

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.3	6.9	10.3

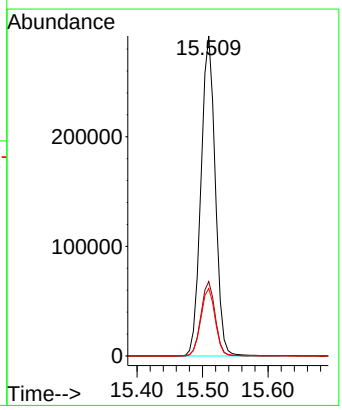


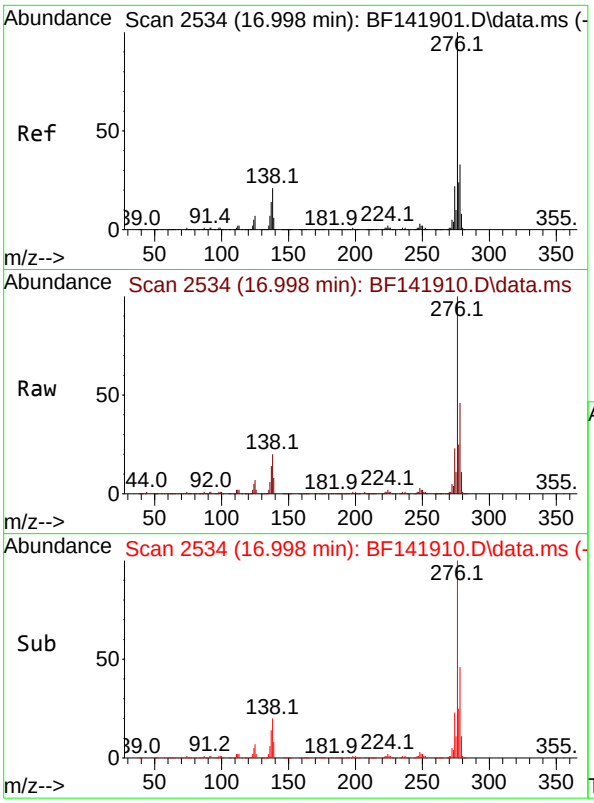


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:264 Resp: 442953

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.1	28.7
265	21.1	17.5	26.3



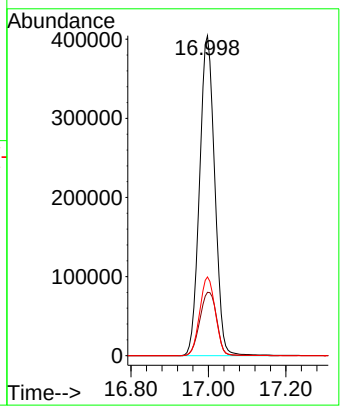


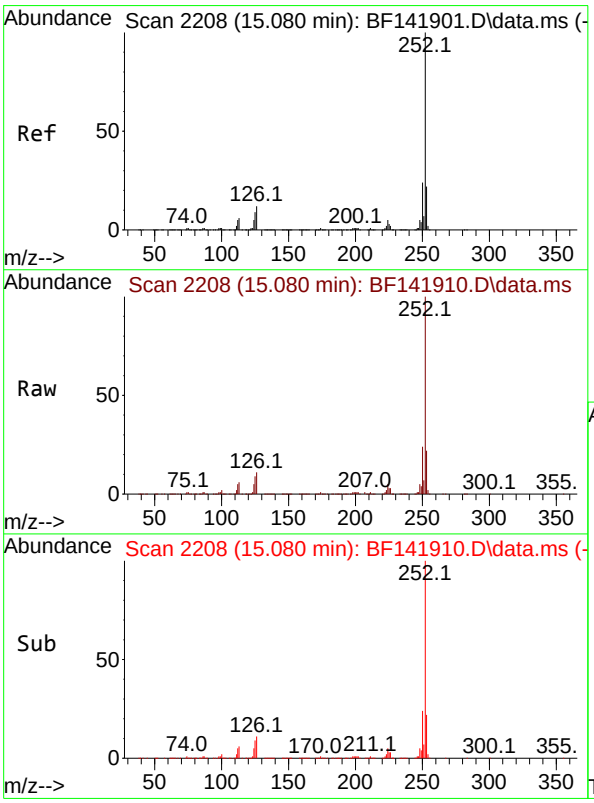
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.348 ng
RT: 16.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 1098821

Ion	Ratio	Lower	Upper
276	100		
138	22.1	18.4	27.6
277	25.3	20.3	30.5

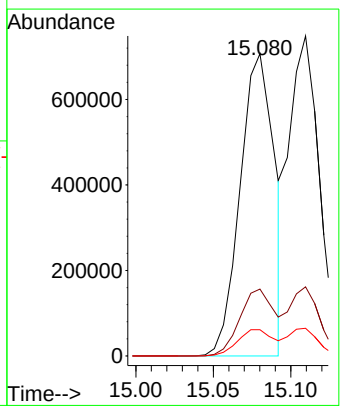


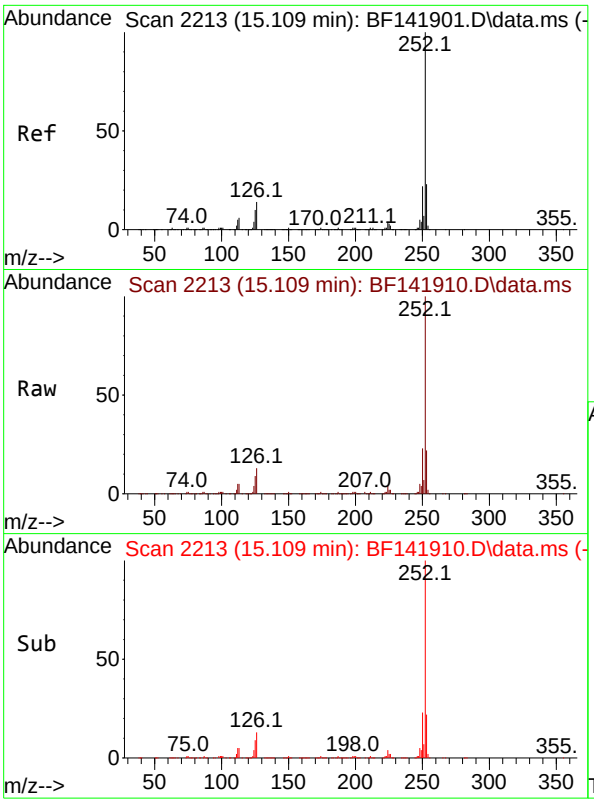


#88
Benzo(b)fluoranthene
Concen: 35.721 ng
RT: 15.080 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:252 Resp: 1084408

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	8.7	7.0	10.4



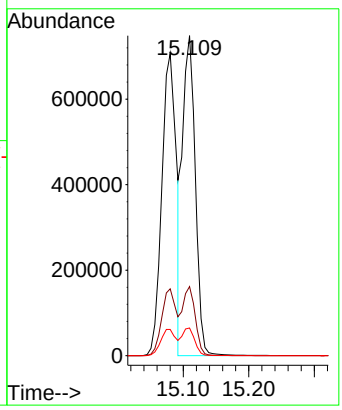


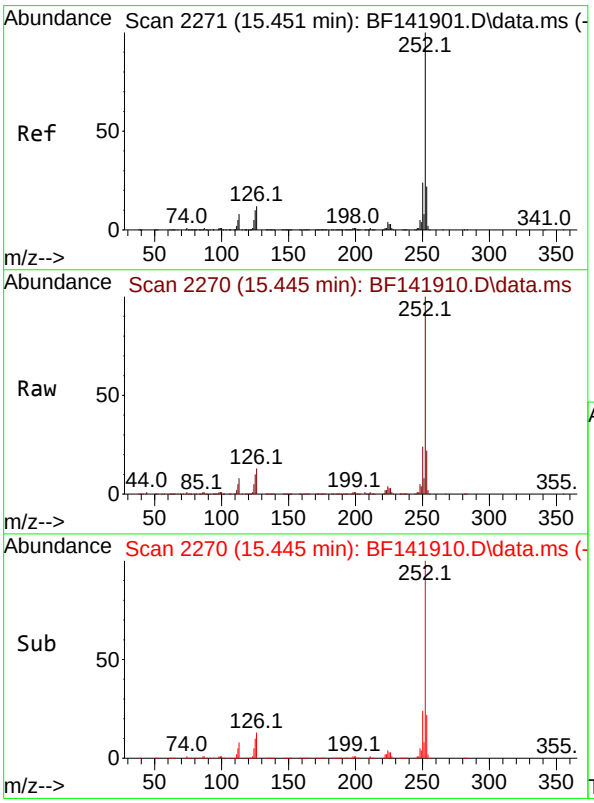
#89
Benzo(k)fluoranthene
Concen: 38.924 ng
RT: 15.109 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 1011237

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	8.6	7.2	10.8

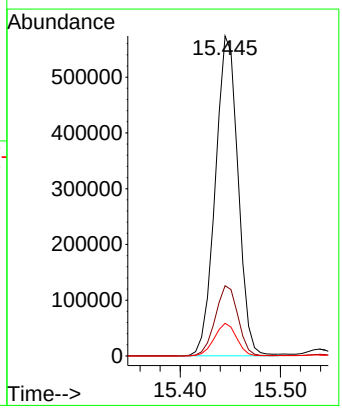


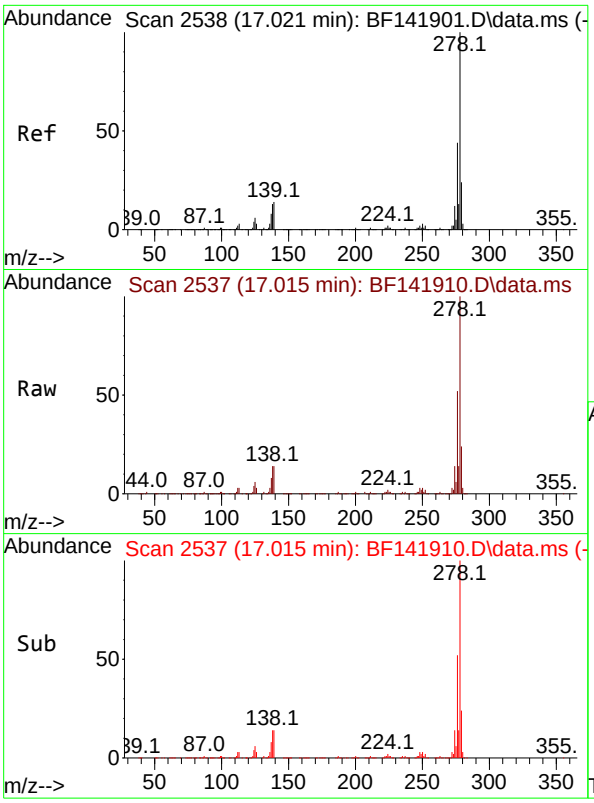


#90
Benzo(a)pyrene
Concen: 38.039 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.006 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:252 Resp: 903590

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	10.2	7.8	11.8



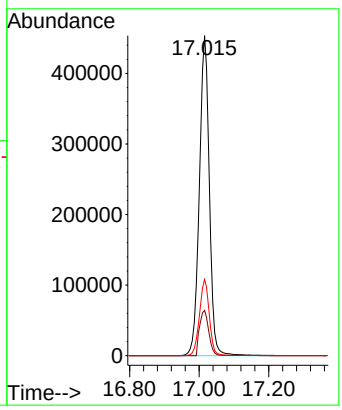


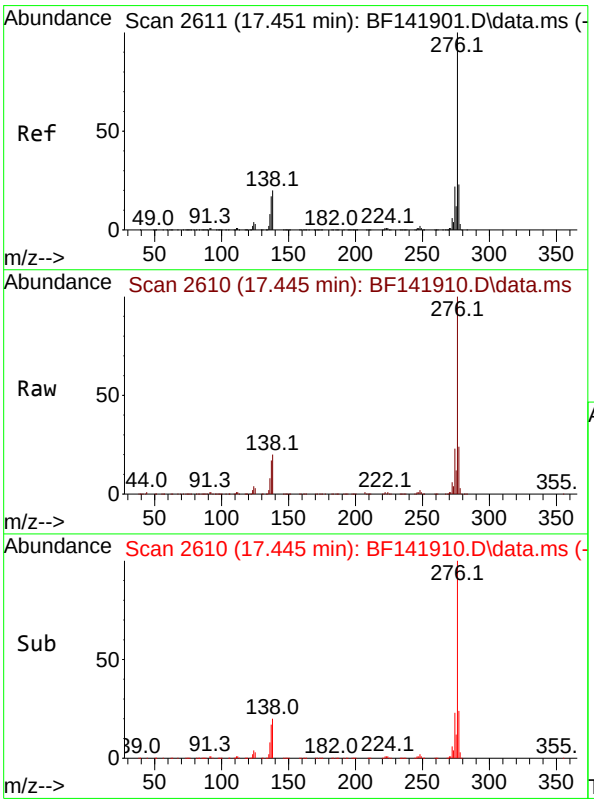
#91
Dibenzo(a,h)anthracene
Concen: 38.270 ng
RT: 17.015 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 904778

Ion	Ratio	Lower	Upper
278	100		
139	14.1	11.4	17.2
279	23.8	18.8	28.2

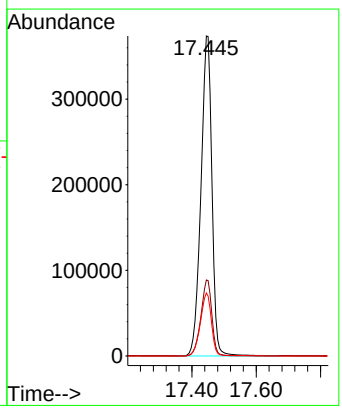




#92
Benzo(g,h,i)perylene
Concen: 37.923 ng
RT: 17.445 min Scan# 2610
Delta R.T. -0.006 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:276 Resp: 885987

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.7	28.1
138	19.7	15.8	23.8



Sample Results: **BF141910.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141910.D
Acq On : 11 Mar 2025 11:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 11 12:36:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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	96	0.00
2		1,4-Dioxane	0.502	0.488	2.8	92	0.00
3		Pyridine	1.232	1.195	3.0	94	0.00
4		n-Nitrosodimethylamine	0.587	0.569	3.1	93	0.00
5	S	2-Fluorophenol	1.198	1.135	5.3	94	0.00
6		Aniline	1.505	1.454	3.4	95	0.00
7	S	Phenol-d6	1.526	1.442	5.5	96	0.00
8		2-Chlorophenol	1.329	1.273	4.2	97	0.00
9		Benzaldehyde	0.853	0.793	7.0	97	0.00
10	C	Phenol	1.605	1.529	4.7	95	0.00
11		bis(2-Chloroethyl)ether	1.205	1.137	5.6	95	0.00
12		1,3-Dichlorobenzene	1.435	1.369	4.6	95	0.00
13	C	1,4-Dichlorobenzene	1.452	1.395	3.9	96	0.00
14		1,2-Dichlorobenzene	1.367	1.303	4.7	95	0.00
15		Benzyl Alcohol	1.233	1.189	3.6	96	0.00
16		2,2'-oxybis(1-Chloropropane	1.455	1.336	8.2	94	0.00
17		2-Methylphenol	1.057	1.011	4.4	96	0.00
18		Hexachloroethane	0.544	0.529	2.8	98	0.00
19	P	n-Nitroso-di-n-propylamine	0.980	0.910	7.1	95	0.00
20		3+4-Methylphenols	1.354	1.288	4.9	95	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	96	0.00
22		Acetophenone	0.479	0.454	5.2	95	0.00
23	S	Nitrobenzene-d5	0.355	0.347	2.3	96	0.00
24		Nitrobenzene	0.353	0.343	2.8	95	0.00
25		Isophorone	0.628	0.601	4.3	96	0.00
26	C	2-Nitrophenol	0.173	0.178	-2.9	98	0.00
27		2,4-Dimethylphenol	0.239	0.233	2.5	97	0.00
28		bis(2-Chloroethoxy)methane	0.394	0.375	4.8	97	0.00
29	C	2,4-Dichlorophenol	0.296	0.287	3.0	96	0.00
30		1,2,4-Trichlorobenzene	0.327	0.315	3.7	98	0.00
31		Naphthalene	1.027	0.978	4.8	96	0.00
32		Benzoic acid	0.210	0.220	-4.8	102	0.00
33		4-Chloroaniline	0.363	0.349	3.9	95	0.00
34	C	Hexachlorobutadiene	0.213	0.209	1.9	99	0.00
35		Caprolactam	0.090	0.086	4.4	98	0.00
36	C	4-Chloro-3-methylphenol	0.331	0.318	3.9	96	0.00
37		2-Methylnaphthalene	0.687	0.664	3.3	98	0.00
38		1-Methylnaphthalene	0.663	0.631	4.8	97	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	97	0.00
40		1,2,4,5-Tetrachlorobenzene	0.609	0.593	2.6	97	0.00
41	P	Hexachlorocyclopentadiene	0.238	0.241	-1.3	93	0.00
42	S	2,4,6-Tribromophenol	0.254	0.255	-0.4	99	0.00
43	C	2,4,6-Trichlorophenol	0.398	0.399	-0.3	97	0.00
44		2,4,5-Trichlorophenol	0.403	0.389	3.5	97	0.00
45	S	2-Fluorobiphenyl	1.315	1.239	5.8	96	0.00
46		1,1'-Biphenyl	1.520	1.464	3.7	98	0.00
47		2-Chloronaphthalene	1.133	1.095	3.4	97	0.00

Sample Results: **BF141910.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141910.D
Acq On : 11 Mar 2025 11:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 11 12:36:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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	0.328	0.321	2.1	97	0.00
49		Acenaphthylene	1.681	1.623	3.5	96	0.00
50		Dimethylphthalate	1.401	1.340	4.4	98	0.00
51		2,6-Dinitrotoluene	0.292	0.292	0.0	99	0.00
52	C	Acenaphthene	1.181	1.139	3.6	96	0.00
53		3-Nitroaniline	0.296	0.289	2.4	96	0.00
54	P	2,4-Dinitrophenol	0.139	0.143	-2.9	98	0.00
55		Dibenzofuran	1.688	1.616	4.3	97	0.00
56	P	4-Nitrophenol	0.223	0.221	0.9	93	0.00
57		2,4-Dinitrotoluene	0.381	0.381	0.0	98	0.00
58		Fluorene	1.302	1.239	4.8	98	0.00
59		2,3,4,6-Tetrachlorophenol	0.367	0.366	0.3	99	0.00
60		Diethylphthalate	1.397	1.338	4.2	97	0.00
61		4-Chlorophenyl-phenylether	0.679	0.657	3.2	99	0.00
62		4-Nitroaniline	0.288	0.280	2.8	94	0.00
63		Azobenzene	1.298	1.247	3.9	97	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	98	0.00
65		4,6-Dinitro-2-methylphenol	0.119	0.119	0.0	96	0.00
66	c	n-Nitrosodiphenylamine	0.647	0.619	4.3	97	0.00
67		4-Bromophenyl-phenylether	0.251	0.245	2.4	98	0.00
68		Hexachlorobenzene	0.275	0.273	0.7	99	0.00
69		Atrazine	0.198	0.183	7.6	109	0.00
70	C	Pentachlorophenol	0.170	0.172	-1.2	95	0.00
71		Phenanthrene	1.080	1.027	4.9	97	0.00
72		Anthracene	1.084	1.031	4.9	96	0.00
73		Carbazole	0.935	0.884	5.5	95	0.00
74		Di-n-butylphthalate	1.240	1.176	5.2	98	0.00
75	C	Fluoranthene	1.146	1.067	6.9	94	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	91	0.00
77		Benzidine	0.279	0.378	-35.5#	96	0.00
78		Pyrene	1.730	1.662	3.9	94	0.00
79	S	Terphenyl-d14	1.353	1.336	1.3	95	0.00
80		Butylbenzylphthalate	0.677	0.669	1.2	93	0.00
81		Benzo(a)anthracene	1.312	1.219	7.1	87	0.00
82		3,3'-Dichlorobenzidine	0.379	0.366	3.4	90	0.00
83		Chrysene	1.190	1.169	1.8	94	0.00
84		Bis(2-ethylhexyl)phthalate	0.934	0.921	1.4	93	0.00
85	c	Di-n-octyl phthalate	1.299	1.308	-0.7	94	0.00
86	I	Perylene-d12	1.000	1.000	0.0	94	0.00
87		Indeno(1,2,3-cd)pyrene	1.294	1.240	4.2	91	0.00
88		Benzo(b)fluoranthene	1.371	1.224	10.7	95	0.00
89		Benzo(k)fluoranthene	1.173	1.141	2.7	89	0.00
90	C	Benzo(a)pyrene	1.073	1.020	4.9	93	0.00
91		Dibenzo(a,h)anthracene	1.067	1.021	4.3	90	0.00
92		Benzo(g,h,i)perylene	1.055	1.000	5.2	89	0.00

Sample Results: **BF141910.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141910.D
Acq On : 11 Mar 2025 11:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 11 12:36:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BF141910.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141910.D
Acq On : 11 Mar 2025 11:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 11 12:36:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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	96	0.00
2		1,4-Dioxane	40.000	38.891	2.8	92	0.00
3		Pyridine	40.000	38.824	2.9	94	0.00
4		n-Nitrosodimethylamine	40.000	38.747	3.1	93	0.00
5	S	2-Fluorophenol	80.000	75.745	5.3	94	0.00
6		Aniline	40.000	38.634	3.4	95	0.00
7	S	Phenol-d6	80.000	75.624	5.5	96	0.00
8		2-Chlorophenol	40.000	38.309	4.2	97	0.00
9		Benzaldehyde	40.000	37.180	7.1	97	0.00
10	C	Phenol	40.000	38.098	4.8	95	0.00
11		bis(2-Chloroethyl)ether	40.000	37.748	5.6	95	0.00
12		1,3-Dichlorobenzene	40.000	38.163	4.6	95	0.00
13	C	1,4-Dichlorobenzene	40.000	38.438	3.9	96	0.00
14		1,2-Dichlorobenzene	40.000	38.106	4.7	95	0.00
15		Benzyl Alcohol	40.000	38.547	3.6	96	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	36.712	8.2	94	0.00
17		2-Methylphenol	40.000	38.255	4.4	96	0.00
18		Hexachloroethane	40.000	38.853	2.9	98	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.118	7.2	95	0.00
20		3+4-Methylphenols	40.000	38.055	4.9	95	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	96	0.00
22		Acetophenone	40.000	37.949	5.1	95	0.00
23	S	Nitrobenzene-d5	80.000	78.146	2.3	96	0.00
24		Nitrobenzene	40.000	38.869	2.8	95	0.00
25		Isophorone	40.000	38.255	4.4	96	0.00
26	C	2-Nitrophenol	40.000	41.039	-2.6	98	0.00
27		2,4-Dimethylphenol	40.000	39.112	2.2	97	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.044	4.9	97	0.00
29	C	2,4-Dichlorophenol	40.000	38.695	3.3	96	0.00
30		1,2,4-Trichlorobenzene	40.000	38.575	3.6	98	0.00
31		Naphthalene	40.000	38.085	4.8	96	0.00
32		Benzoic acid	40.000	41.912	-4.8	102	0.00
33		4-Chloroaniline	40.000	38.457	3.9	95	0.00
34	C	Hexachlorobutadiene	40.000	39.286	1.8	99	0.00
35		Caprolactam	40.000	38.112	4.7	98	0.00
36	C	4-Chloro-3-methylphenol	40.000	38.467	3.8	96	0.00
37		2-Methylnaphthalene	40.000	38.672	3.3	98	0.00
38		1-Methylnaphthalene	40.000	38.099	4.8	97	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	97	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.978	2.6	97	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.373	-0.9	93	0.00
42	S	2,4,6-Tribromophenol	80.000	80.359	-0.4	99	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.071	-0.2	97	0.00
44		2,4,5-Trichlorophenol	40.000	38.614	3.5	97	0.00
45	S	2-Fluorobiphenyl	80.000	75.388	5.8	96	0.00
46		1,1'-Biphenyl	40.000	38.525	3.7	98	0.00
47		2-Chloronaphthalene	40.000	38.666	3.3	97	0.00

Sample Results: **BF141910.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141910.D
Acq On : 11 Mar 2025 11:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 11 12:36:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	39.109	2.2	97	0.00
49		Acenaphthylene	40.000	38.616	3.5	96	0.00
50		Dimethylphthalate	40.000	38.265	4.3	98	0.00
51		2,6-Dinitrotoluene	40.000	40.079	-0.2	99	0.00
52	C	Acenaphthene	40.000	38.576	3.6	96	0.00
53		3-Nitroaniline	40.000	39.135	2.2	96	0.00
54	P	2,4-Dinitrophenol	40.000	38.237	4.4	98	0.00
55		Dibenzofuran	40.000	38.292	4.3	97	0.00
56	P	4-Nitrophenol	40.000	39.683	0.8	93	0.00
57		2,4-Dinitrotoluene	40.000	39.975	0.1	98	0.00
58		Fluorene	40.000	38.073	4.8	98	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.950	0.1	99	0.00
60		Diethylphthalate	40.000	38.320	4.2	97	0.00
61		4-Chlorophenyl-phenylether	40.000	38.726	3.2	99	0.00
62		4-Nitroaniline	40.000	38.925	2.7	94	0.00
63		Azobenzene	40.000	38.408	4.0	97	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	98	0.00
65		4,6-Dinitro-2-methylphenol	40.000	39.988	0.0	96	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.251	4.4	97	0.00
67		4-Bromophenyl-phenylether	40.000	39.001	2.5	98	0.00
68		Hexachlorobenzene	40.000	39.703	0.7	99	0.00
69		Atrazine	40.000	36.855	7.9	109	0.00
70	C	Pentachlorophenol	40.000	40.651	-1.6	95	0.00
71		Phenanthrene	40.000	38.045	4.9	97	0.00
72		Anthracene	40.000	38.043	4.9	96	0.00
73		Carbazole	40.000	37.829	5.4	95	0.00
74		Di-n-butylphthalate	40.000	37.945	5.1	98	0.00
75	C	Fluoranthene	40.000	37.256	6.9	94	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	91	0.00
77		Benzidine	40.000	54.153	-35.4#	96	0.00
78		Pyrene	40.000	38.418	4.0	94	0.00
79	S	Terphenyl-d14	80.000	79.004	1.2	95	0.00
80		Butylbenzylphthalate	40.000	39.548	1.1	93	0.00
81		Benzo(a)anthracene	40.000	37.144	7.1	87	0.00
82		3,3'-Dichlorobenzidine	40.000	38.611	3.5	90	0.00
83		Chrysene	40.000	39.306	1.7	94	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	39.447	1.4	93	0.00
85	c	Di-n-octyl phthalate	40.000	40.262	-0.7	94	0.00
86	I	Perylene-d12	20.000	20.000	0.0	94	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	38.348	4.1	91	0.00
88		Benzo(b)fluoranthene	40.000	35.721	10.7	95	0.00
89		Benzo(k)fluoranthene	40.000	38.924	2.7	89	0.00
90	C	Benzo(a)pyrene	40.000	38.039	4.9	93	0.00
91		Dibenzo(a,h)anthracene	40.000	38.270	4.3	90	0.00
92		Benzo(g,h,i)perylene	40.000	37.923	5.2	89	0.00

Sample Results: **BF141910.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141910.D
Acq On : 11 Mar 2025 11:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 11 12:36:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

QC SAMPLE DATA

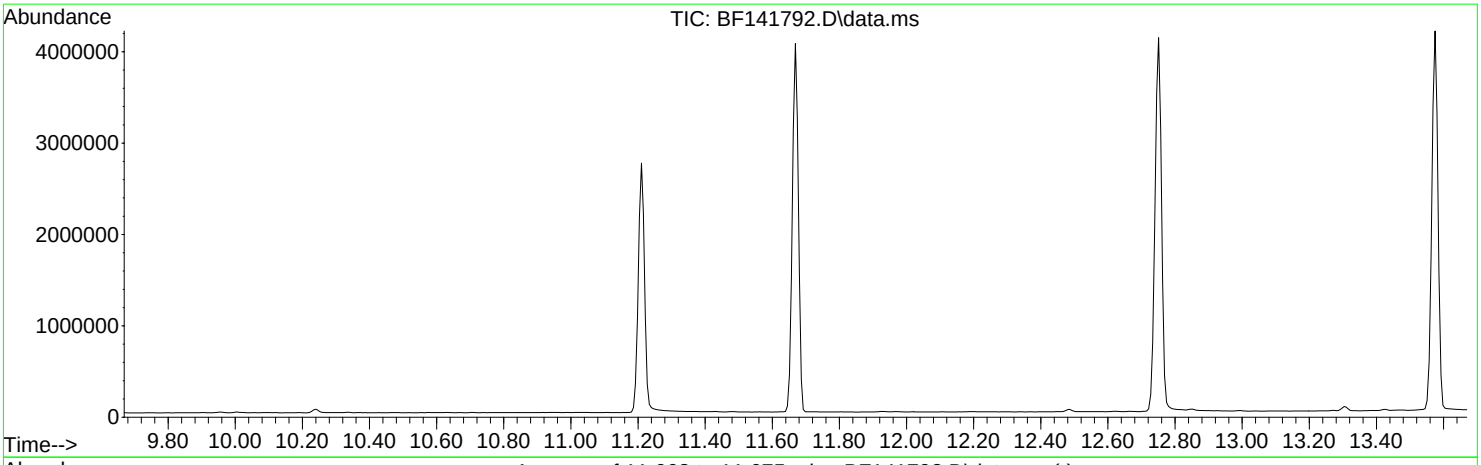
Sample Results: **BF141792.D**

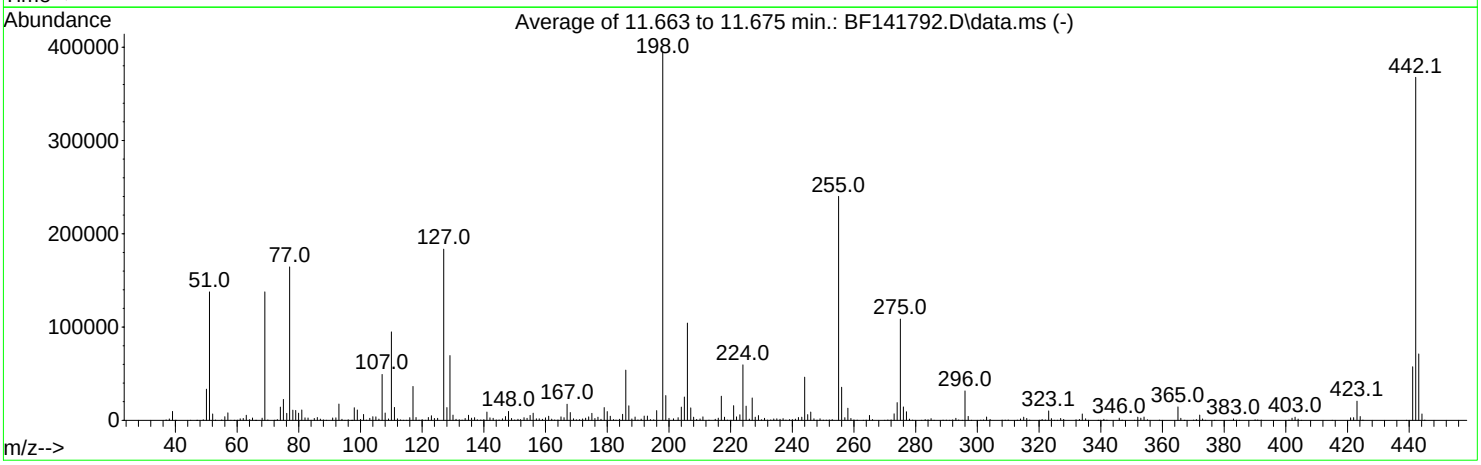
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141792.D
Acq On : 27 Feb 2025 14:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

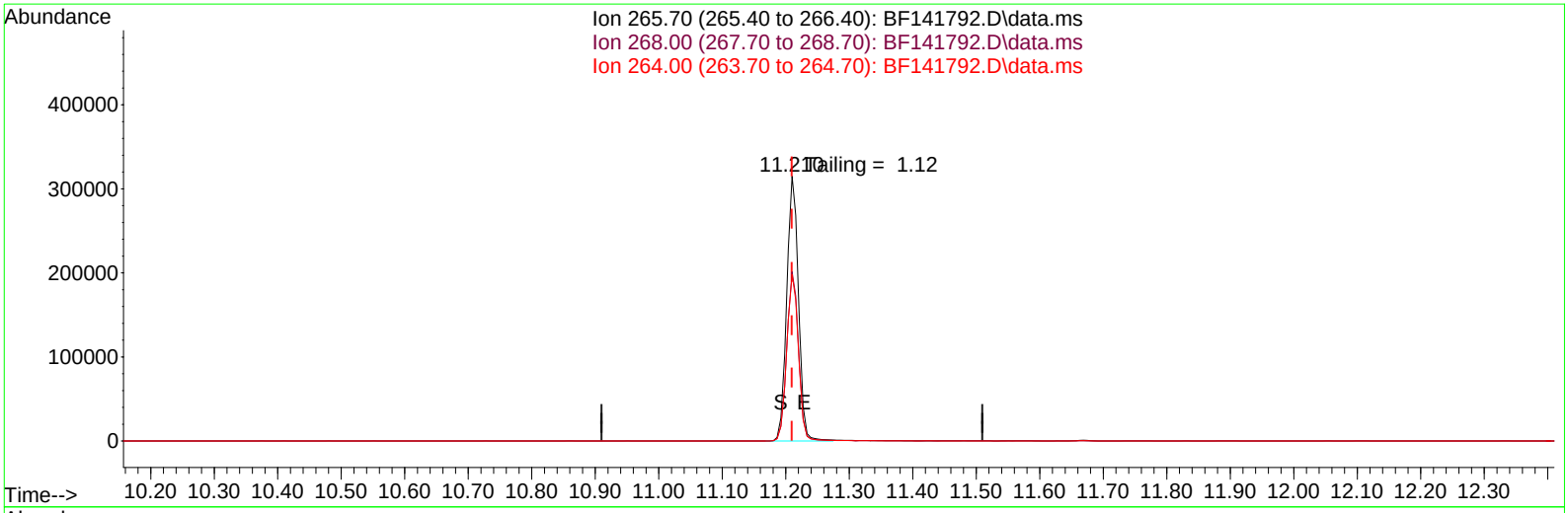
Instrument :
BNA_F
ClientSampleId :
DFTPP

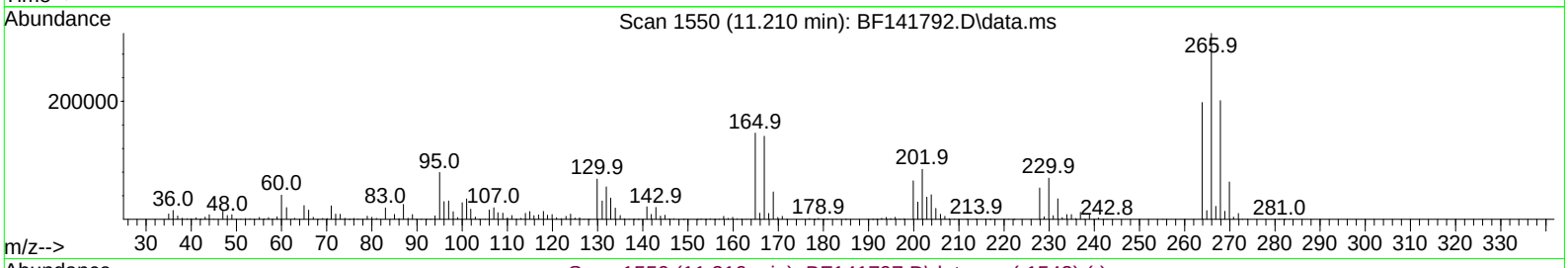
Sample Results: **BF141792.D**

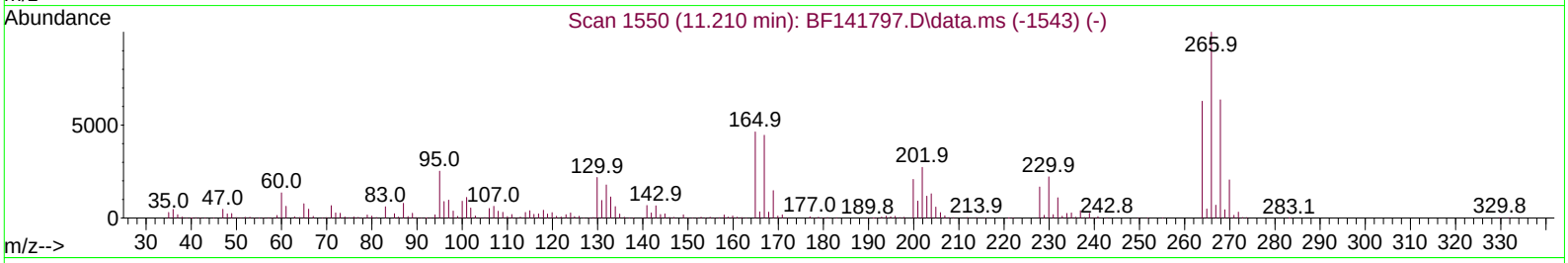
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141792.D
Acq On : 27 Feb 2025 14:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

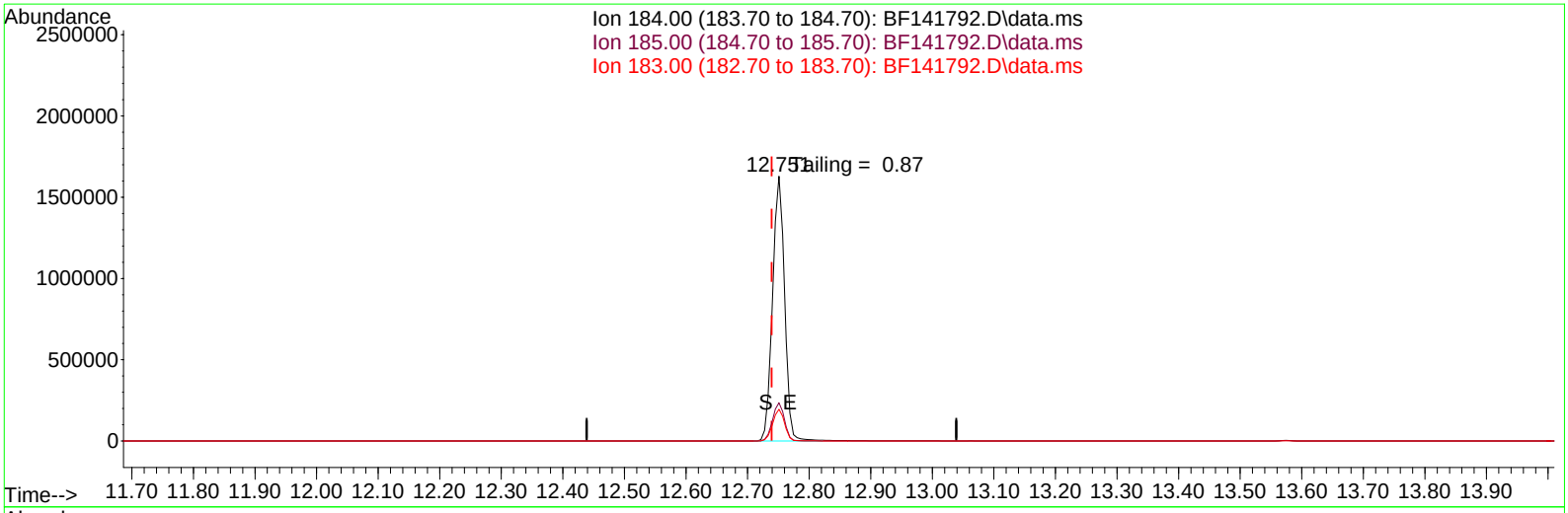
response 409665

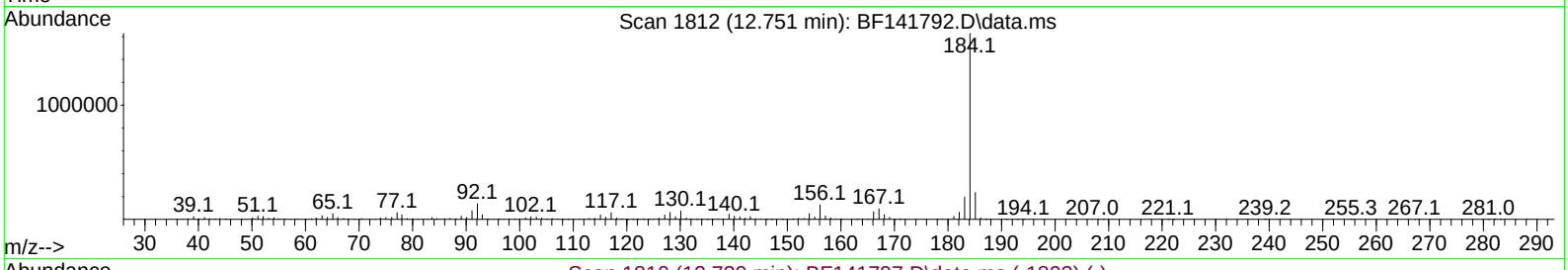
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.60	63.84
264.00	62.80	62.85
0.00	0.00	0.00

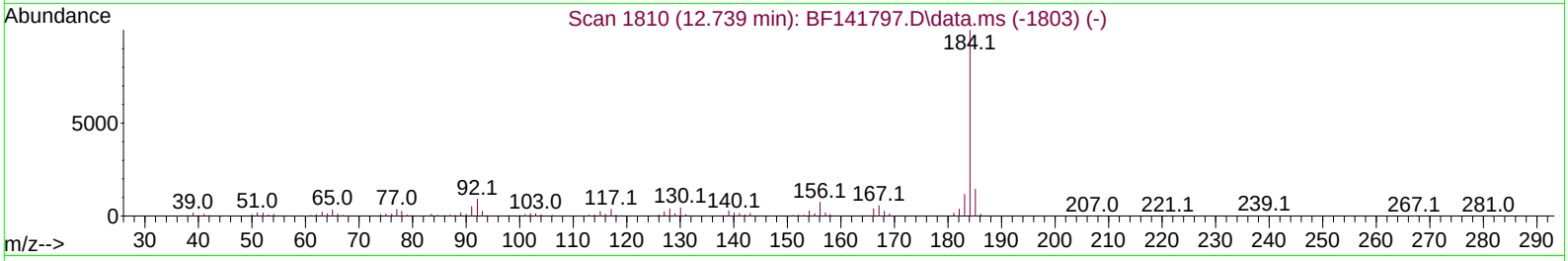
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141792.D
Acq On : 27 Feb 2025 14:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

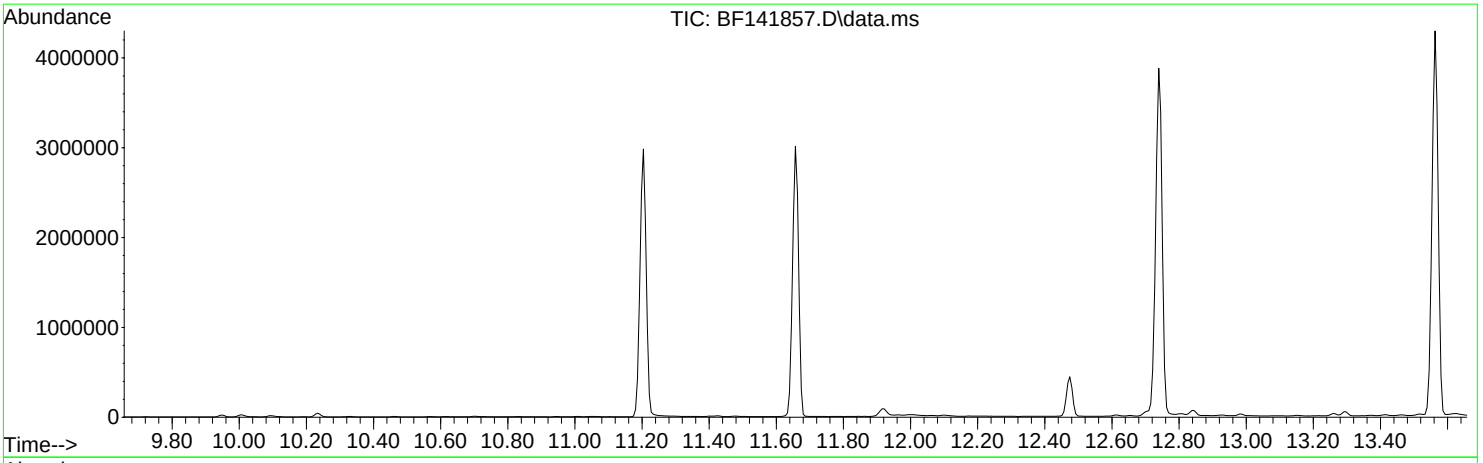
Sample Results: **BF141857.D**

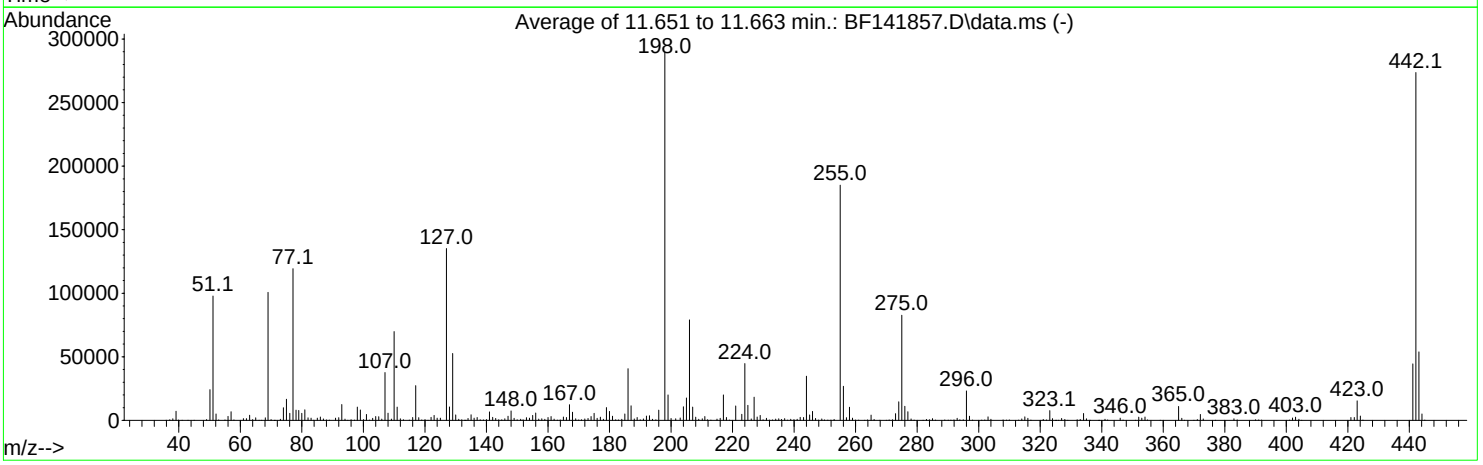
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141857.D
Acq On : 06 Mar 2025 08:34
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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	33.8	97827	PASS
68	69	0.00	2	2.0	1989	PASS
69	198	0.00	100	34.8	100752	PASS
70	69	0.00	2	0.7	703	PASS
127	198	10	80	46.7	135227	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	289387	PASS
199	198	5	9	6.9	20075	PASS
275	198	10	60	28.6	82683	PASS
365	198	1	100	3.8	11013	PASS
441	198	0.01	100	15.3	44419	PASS
442	442	50	100	100.0	273621	PASS
443	442	15	24	19.7	53861	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
3/6/2025	BNA_F	BF141857.D
Compound Name	**Response**	**Retention Time**
DDT	1093424	13.563
DDD	17368	13.292
DDE	1071	12.927
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
18439	1111863	1.66

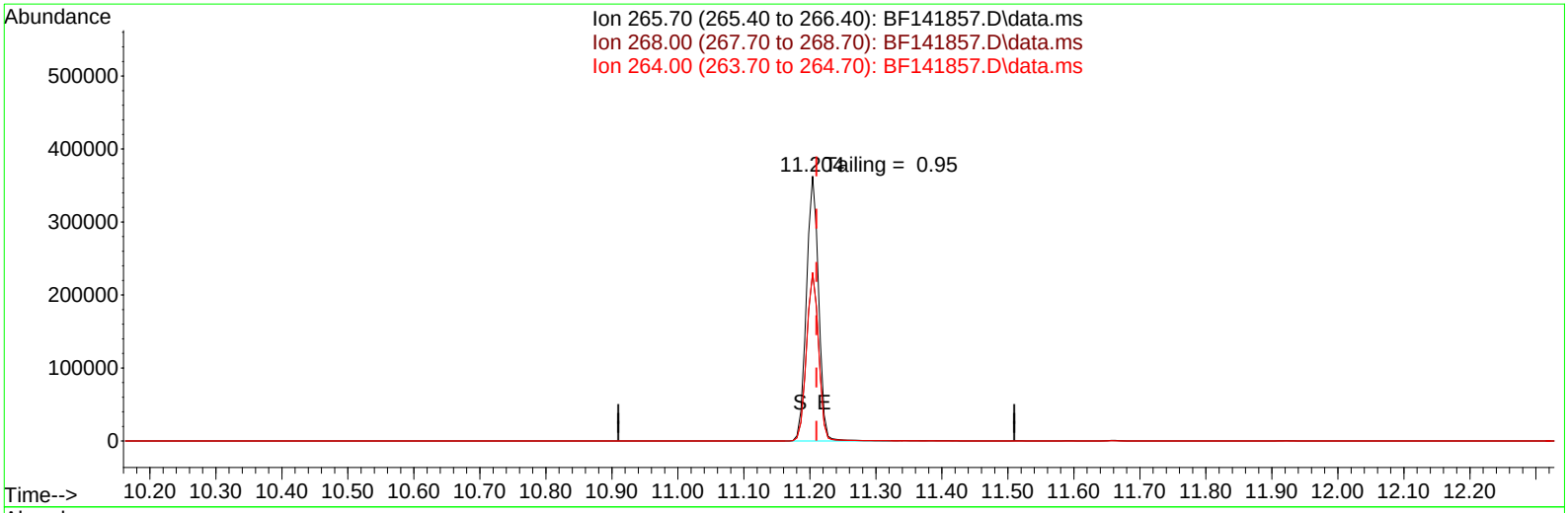
Instrument :
BNA_F
ClientSampleId :
DFTPP

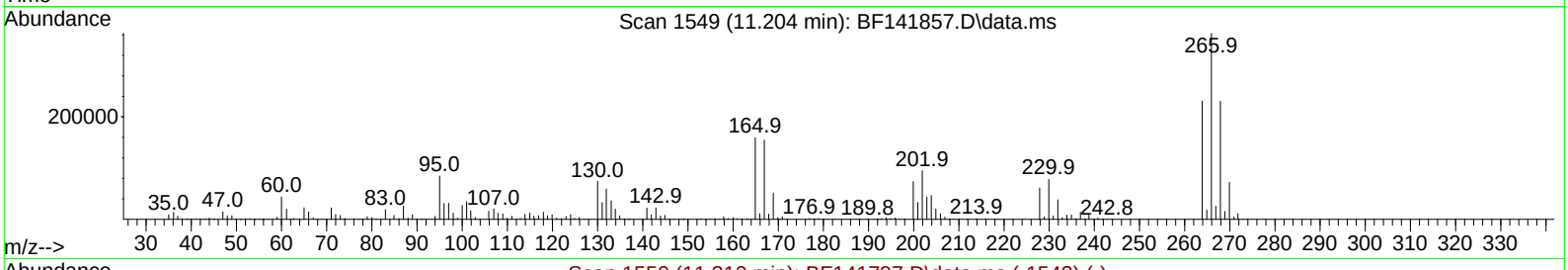
Sample Results: **BF141857.D**

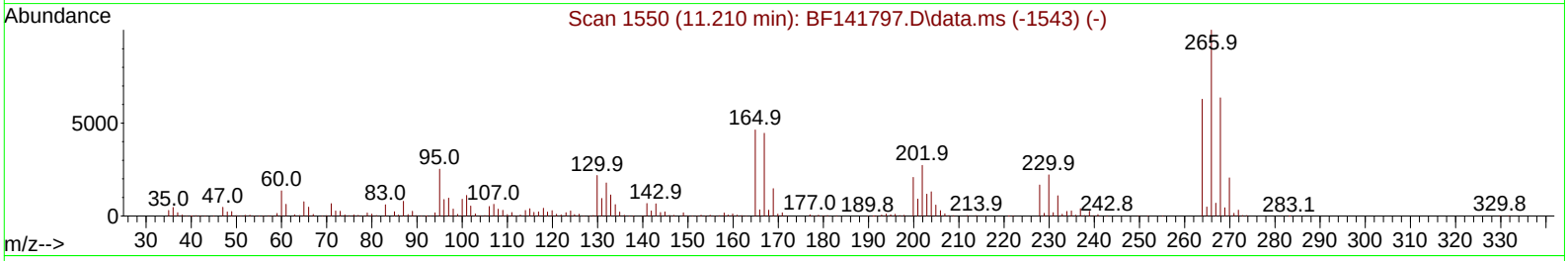
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141857.D
Acq On : 06 Mar 2025 08:34
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 06 17:12:39 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







TIC: BF141857.D\data.ms

(70) Pentachlorophenol (C)

11.204min (-0.006) 17552.30 ng

response 465884

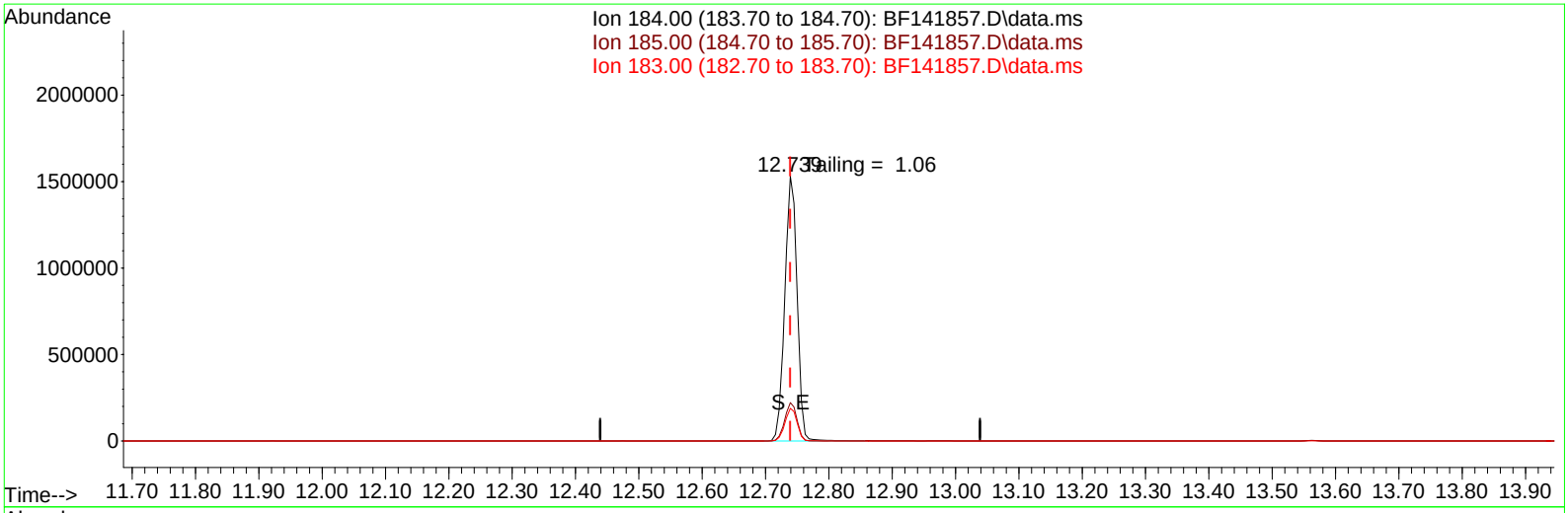
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.60	63.51
264.00	62.80	63.59
0.00	0.00	0.00

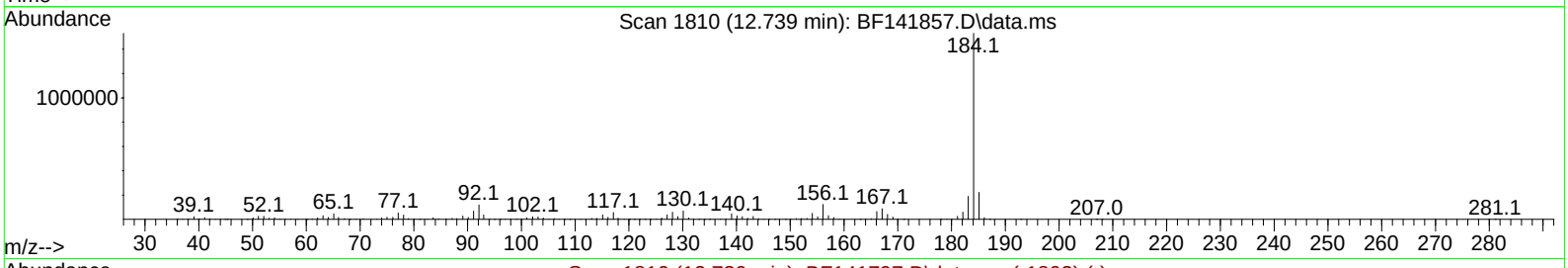
Sample Results: **BF141857.D**

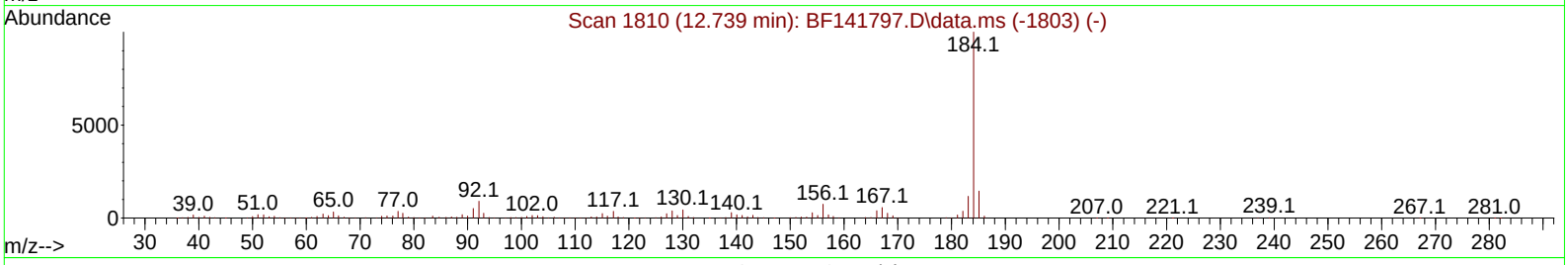
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141857.D
Acq On : 06 Mar 2025 08:34
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 06 17:12:39 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







TIC: BF141857.D\data.ms

(77) Benzidine

12.739min (+ 0.000) 49273.09 ng

response 2084395

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	14.51
183.00	11.70	12.37
0.00	0.00	0.00

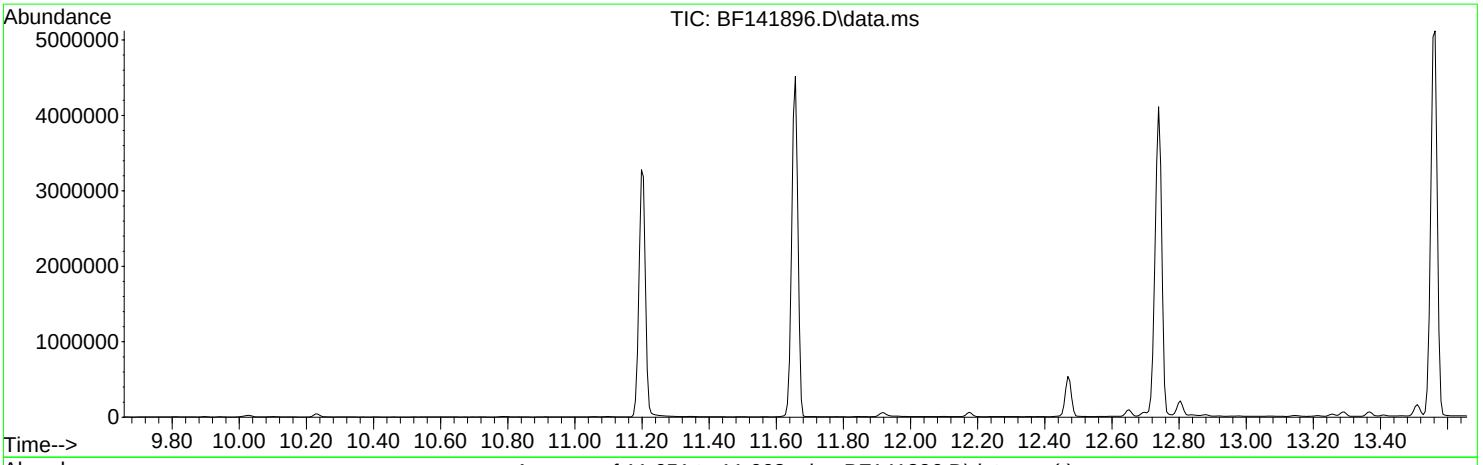
Sample Results: **BF141896.D**

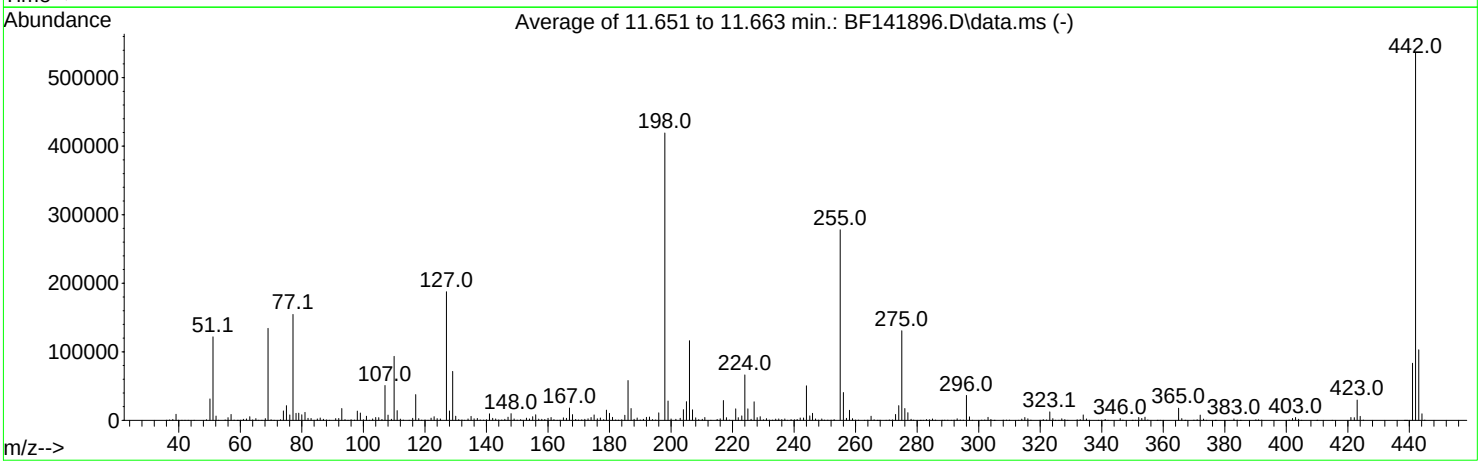
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141896.D
Acq On : 10 Mar 2025 10:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Mar 10 15:46:22 2025





AutoFind: Scans 1625, 1626, 1627; Background Corrected with Scan 1617

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	29.1	121957	PASS
68	69	0.00	2	1.9	2599	PASS
69	198	0.00	100	32.0	134239	PASS
70	69	0.00	2	0.7	949	PASS
127	198	10	80	44.8	187627	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	419221	PASS
199	198	5	9	6.7	28280	PASS
275	198	10	60	31.2	130819	PASS
365	198	1	100	4.2	17803	PASS
441	198	0.01	100	19.9	83389	PASS
442	442	50	100	100.0	536640	PASS
443	442	15	24	19.2	102888	PASS

DDT Breakdown

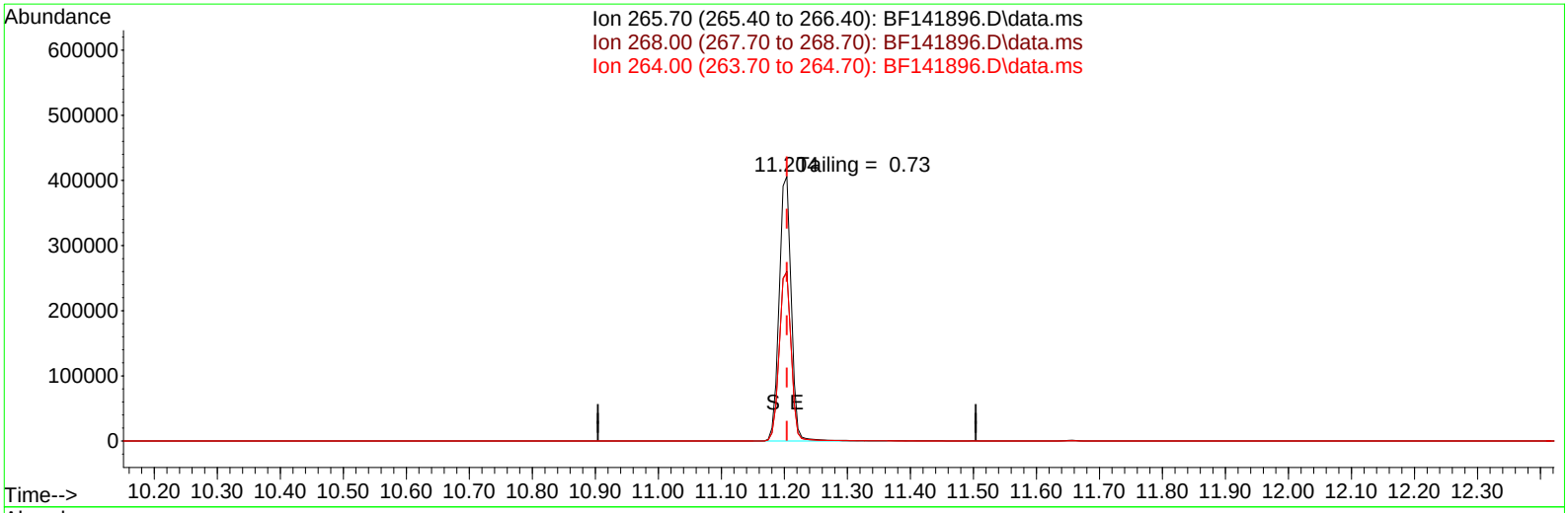
Date	Instrument Name	DFTPP Data File
3/10/2025	BNA_F	BF141896.D
Compound Name	**Response**	**Retention Time**
DDT	1358235	13.562
DDD	20094	13.292
DDE	930	12.921
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
21024	1379259	1.52

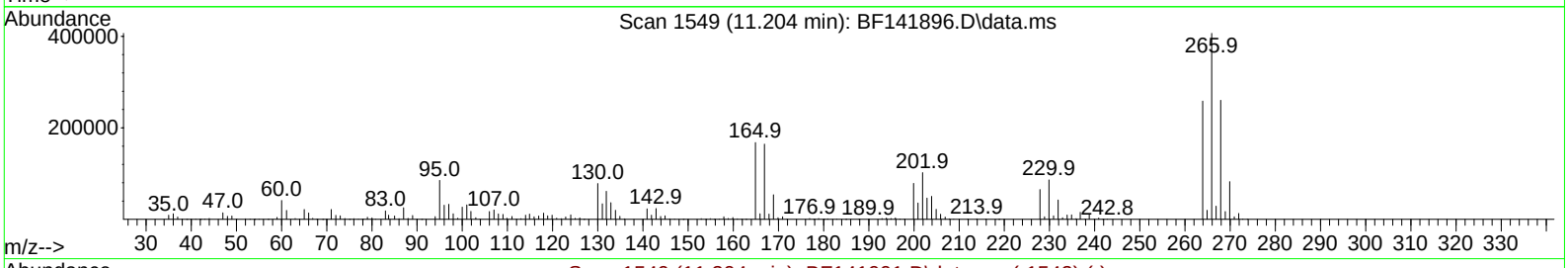
Instrument :
BNA_F
ClientSampleId :
DFTPP

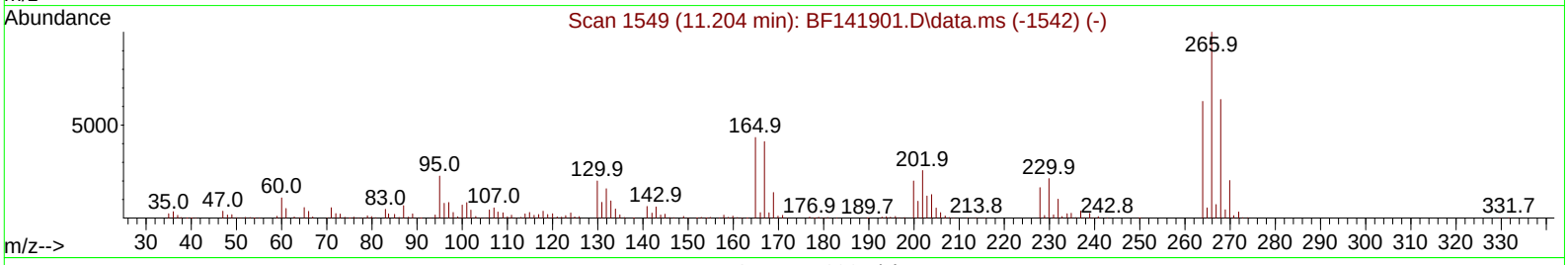
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141896.D
Acq On : 10 Mar 2025 10:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 10 16:16:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration







TIC: BF141896.D\data.ms

(70) Pentachlorophenol (C)

11.204min (-0.000) 118650.09 ng

response 544757

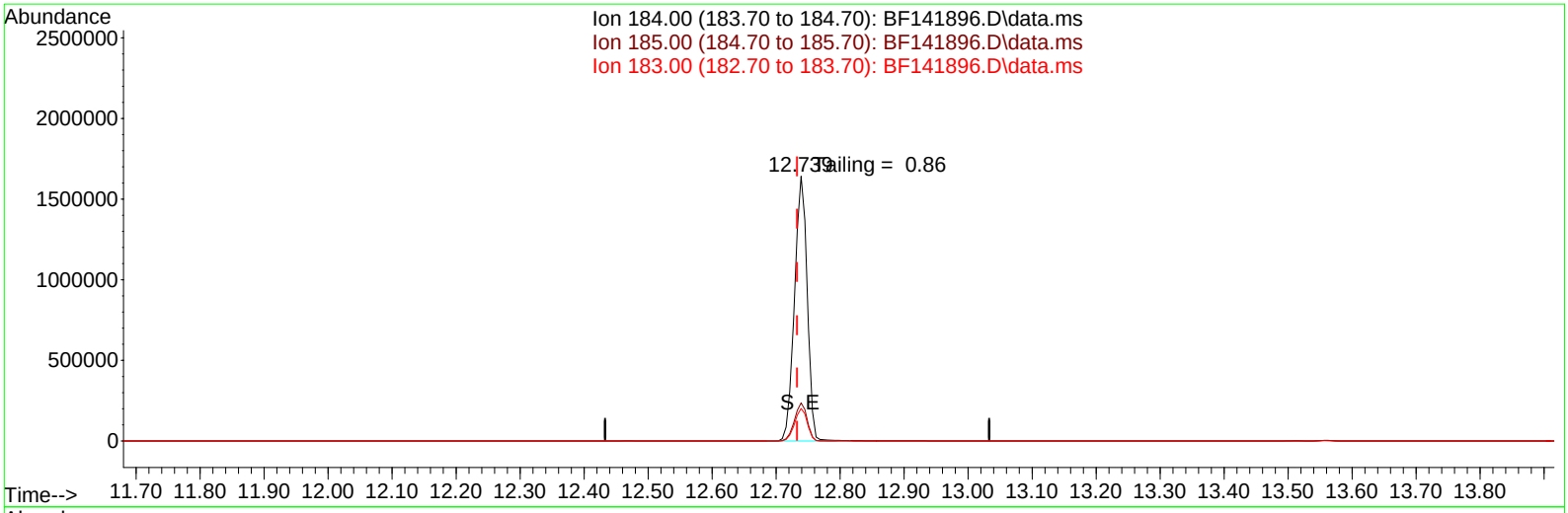
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	64.05
264.00	62.70	63.55
0.00	0.00	0.00

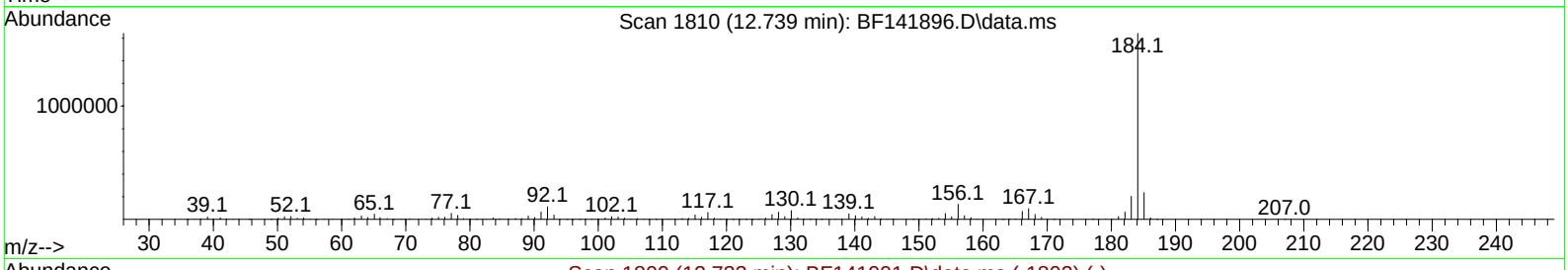
Sample Results: **BF141896.D**

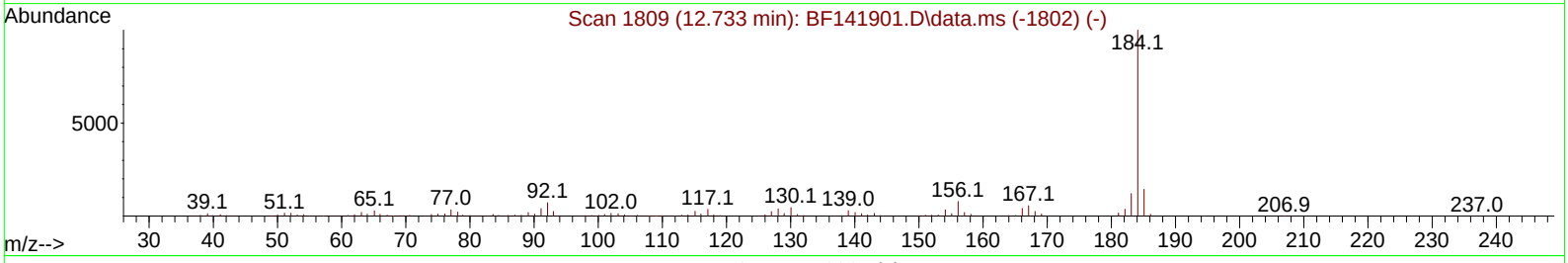
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141896.D
Acq On : 10 Mar 2025 10:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 10 16:16:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration







TIC: BF141896.D\data.ms

(77) Benzidine

12.739min (+ 0.006) 203796.44 ng

response 2274676

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.38
183.00	12.10	12.32
0.00	0.00	0.00

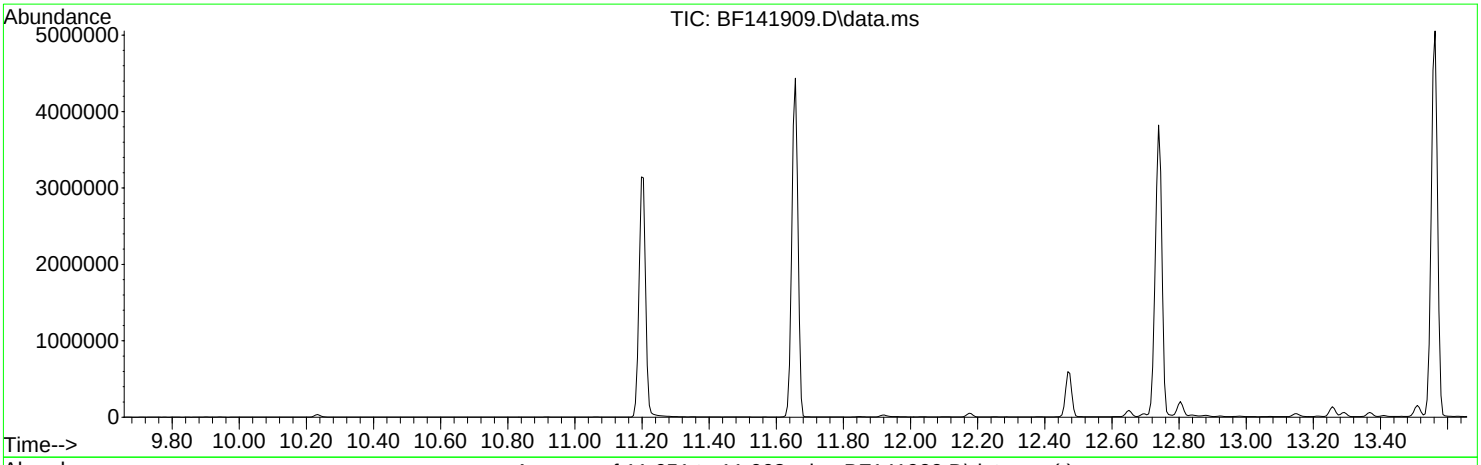
Sample Results: **BF141909.D**

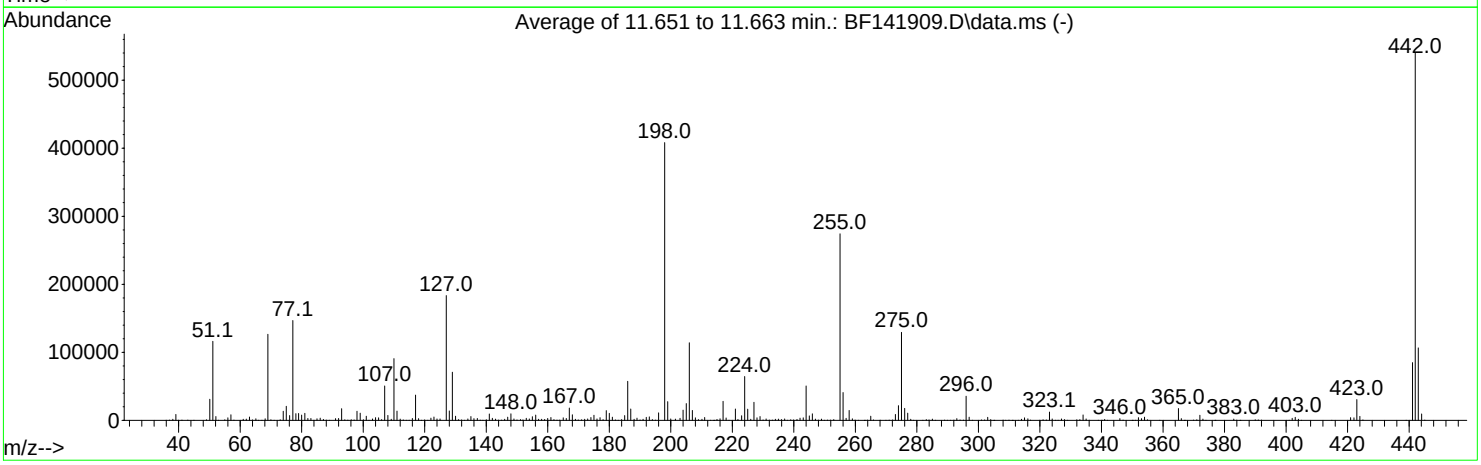
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141909.D
Acq On : 11 Mar 2025 10:52
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Mar 10 15:46:22 2025





AutoFind: Scans 1625, 1626, 1627; Background Corrected with Scan 1617

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	28.4	116181	PASS
68	69	0.00	2	2.0	2472	PASS
69	198	0.00	100	31.0	126608	PASS
70	69	0.00	2	0.7	857	PASS
127	198	10	80	44.9	183360	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	408427	PASS
199	198	5	9	6.7	27544	PASS
275	198	10	60	31.7	129467	PASS
365	198	1	100	4.3	17493	PASS
441	198	0.01	100	20.8	84915	PASS
442	442	50	100	100.0	540757	PASS
443	442	15	24	19.7	106656	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
3/11/2025	BNA_F	BF141909.D
Compound Name	**Response**	**Retention Time**
DDT	1316072	13.562
DDD	45139	13.257
DDE	1601	12.921
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
46740	1362812	3.43

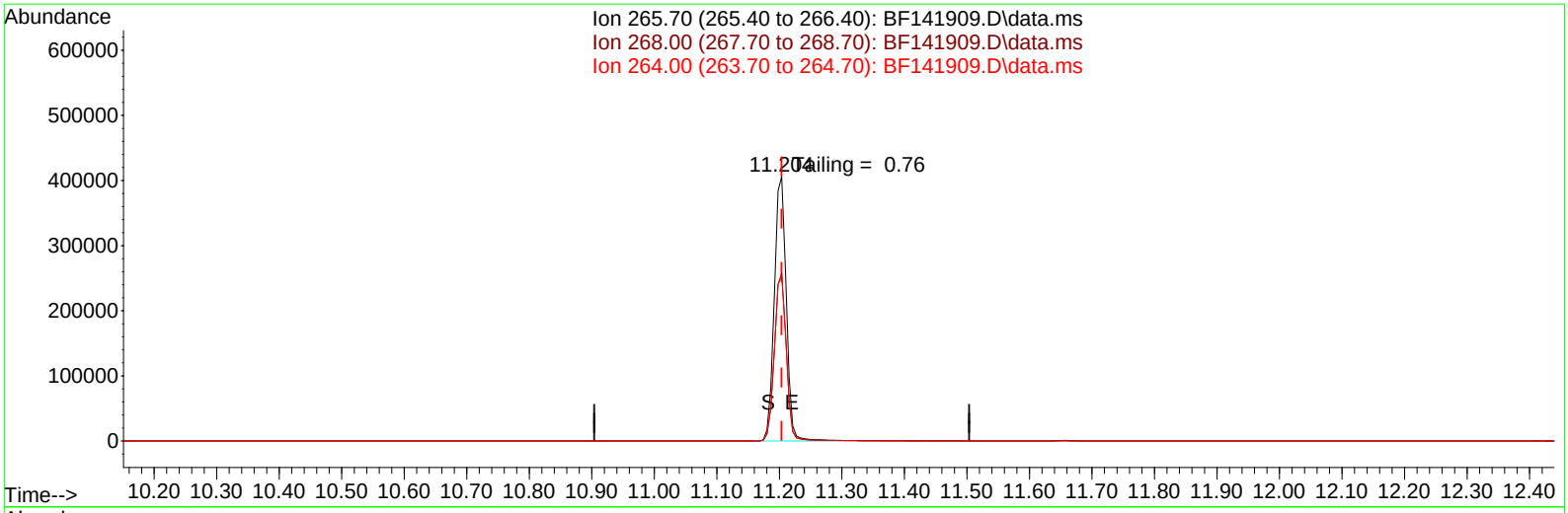
Instrument :
BNA_F
ClientSampleId :
DFTPP

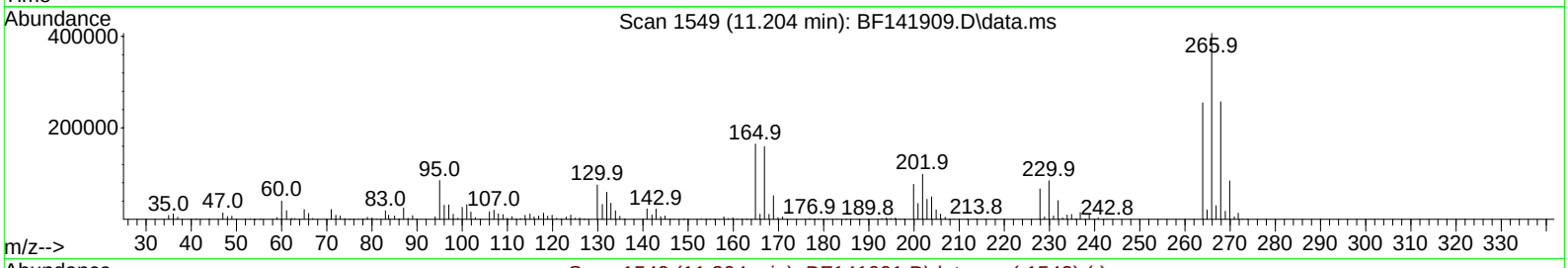
Sample Results: **BF141909.D**

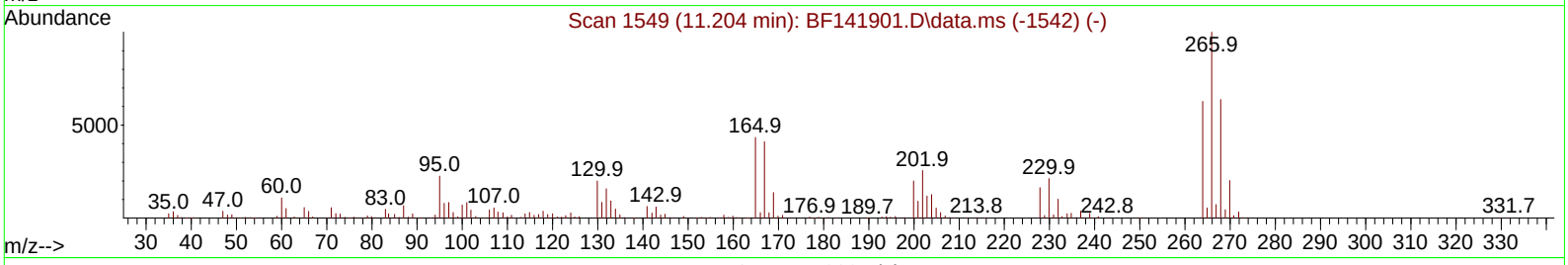
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141909.D
Acq On : 11 Mar 2025 10:52
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 11 12:35:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration







TIC: BF141909.D\data.ms

(70) Pentachlorophenol (C)

11.204min (-0.000) 72528.27 ng

response 545354

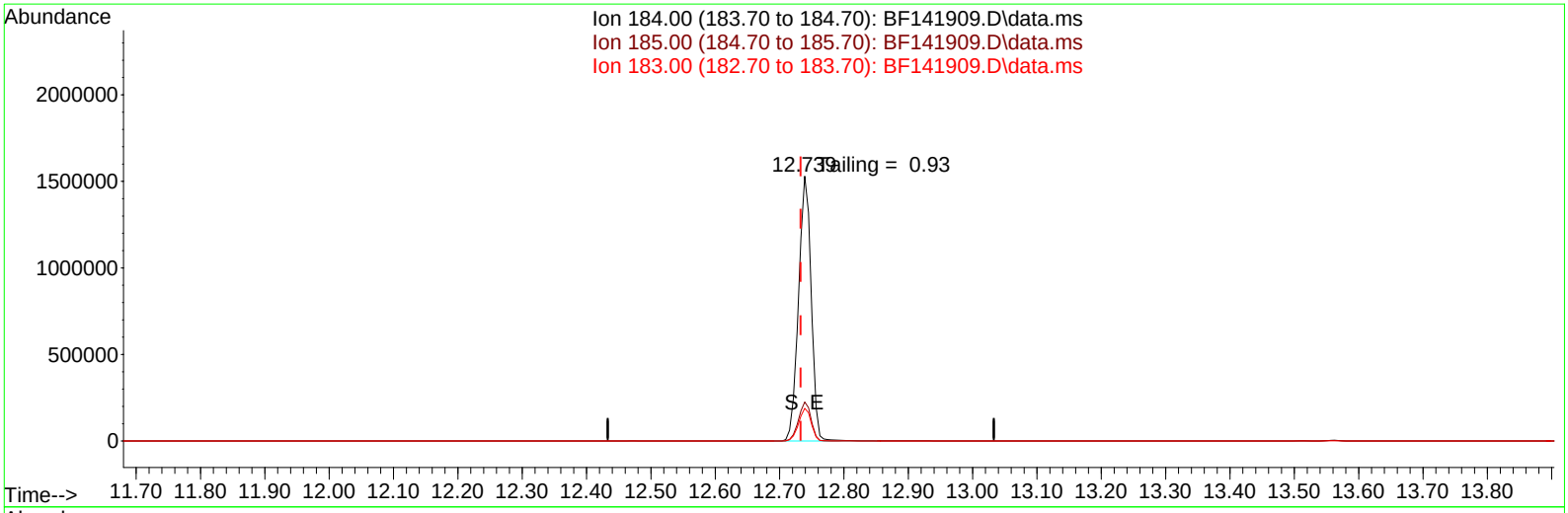
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	63.26
264.00	62.70	62.63
0.00	0.00	0.00

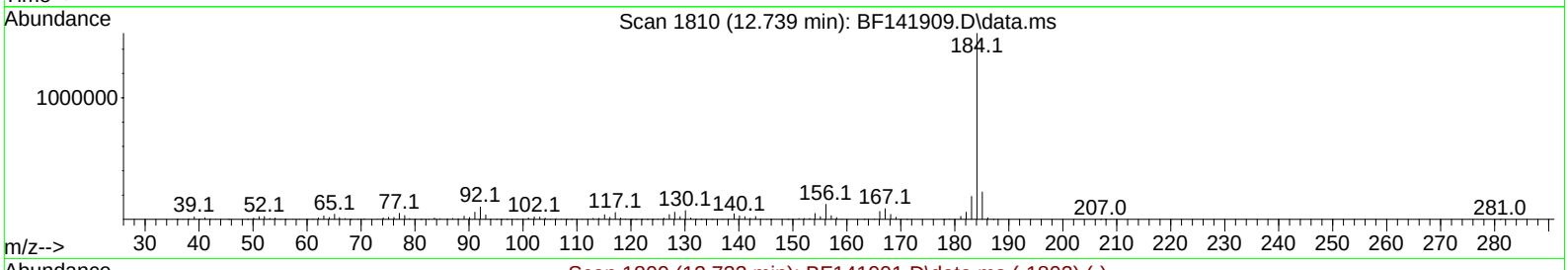
Sample Results: **BF141909.D**

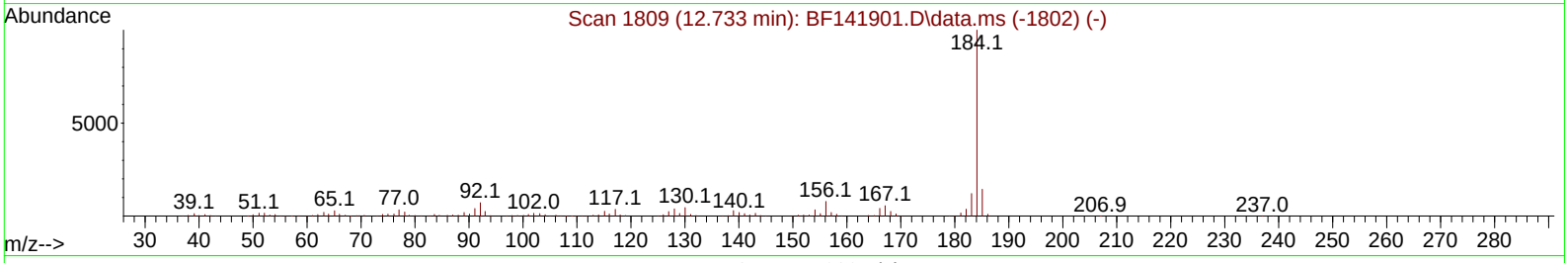
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Data File : BF141909.D
Acq On : 11 Mar 2025 10:52
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 11 12:35:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration







TIC: BF141909.D\data.ms

(77) Benzidine

12.739min (+ 0.006) 151707.91 ng

response 2103912

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.76
183.00	12.10	12.39
0.00	0.00	0.00

Raw Data: **BF141907.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:			
Project:	Nelson			Date Received:			
Client Sample ID:	PB167012BL			SDG No.:	Q1492		
Lab Sample ID:	PB167012BL			Matrix:	SOIL		
Analytical Method:	SW8270			% Solid:	100		
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000		uL
Soil Aliquot Vol:			uL	Test:	SVOC-PAH		
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
BF141907.D	1	03/06/25 09:10	03/10/25 17:09	PB167012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	82.6	U	82.6	170	ug/Kg
208-96-8	Acenaphthylene	86.5	U	86.5	170	ug/Kg
83-32-9	Acenaphthene	81.1	U	81.1	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	170	ug/Kg
85-01-8	Phenanthrene	84.0	U	84.0	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	170	ug/Kg
129-00-0	Pyrene	83.0	U	83.0	170	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	170	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	93.0	U	93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	113		30 (18) - 130 (112)	75%	SPK: 150
13127-88-3	Phenol-d6	109		30 (15) - 130 (107)	73%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.7		30 (18) - 130 (107)	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.6		30 (20) - 130 (109)	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	123		30 (10) - 130 (116)	82%	SPK: 150
1718-51-0	Terphenyl-d14	79.9		30 (10) - 130 (105)	80%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	216000	6.881			
1146-65-2	Naphthalene-d8	851000	8.157			
15067-26-2	Acenaphthene-d10	501000	9.91			
1517-22-2	Phenanthrene-d10	952000	11.398			
1719-03-5	Chrysene-d12	661000	14.033			

Raw Data: **BF141907.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:			
Project:	Nelson			Date Received:			
Client Sample ID:	PB167012BL			SDG No.:	Q1492		
Lab Sample ID:	PB167012BL			Matrix:	SOIL		
Analytical Method:	SW8270			% Solid:	100		
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000		uL
Soil Aliquot Vol:			uL	Test:	SVOC-PAH		
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
BF141907.D	1	03/06/25 09:10	03/10/25 17:09	PB167012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1520-96-3	Perylene-d12	463000	15.504			

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\BF031025\
Data File : BF141907.D
Acq On : 10 Mar 2025 17:09
Operator : RC/JU
Sample : PB167012BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167012BL

Quant Time: Mar 10 17:50:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

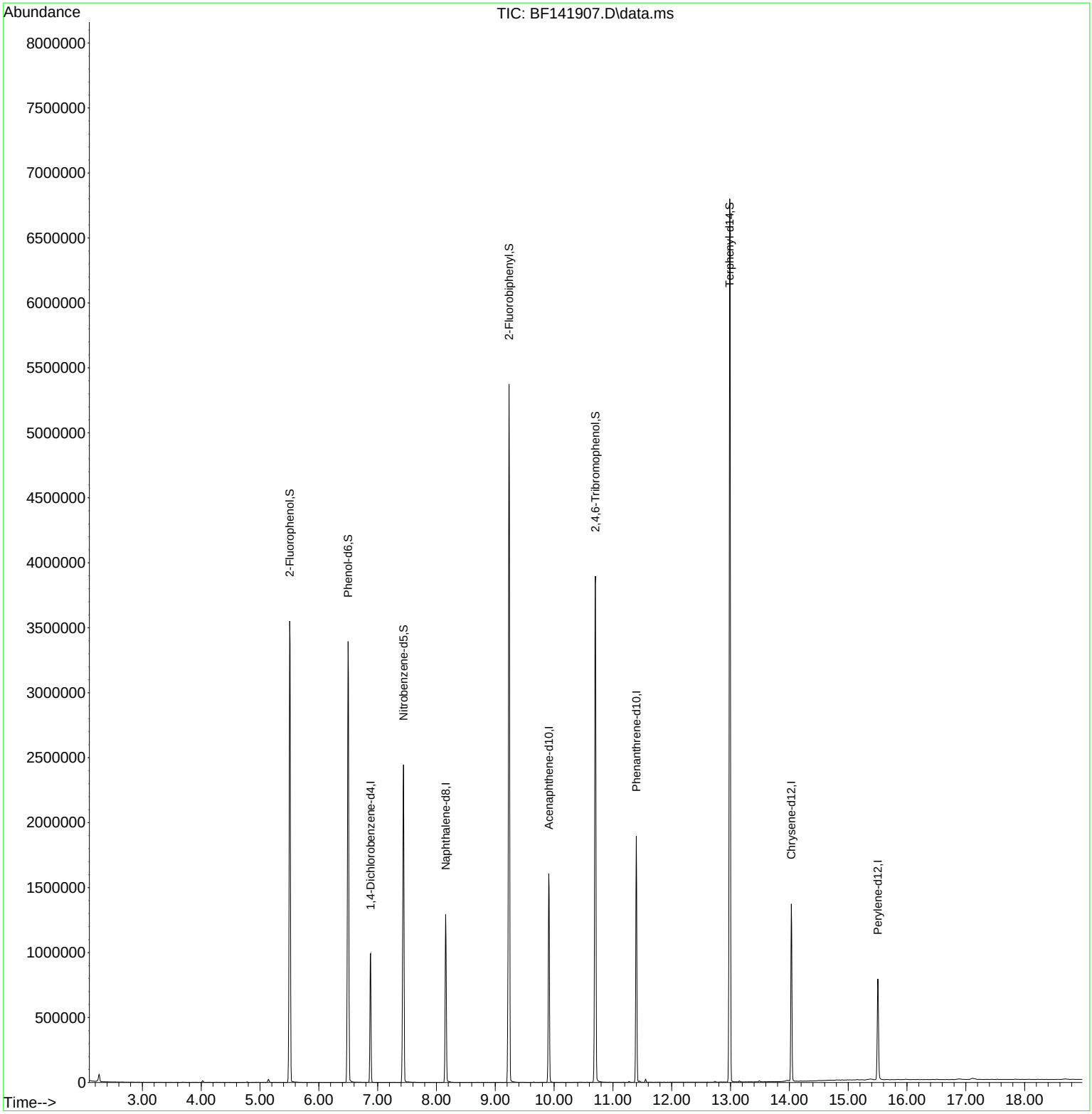
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	215606	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	850637	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	501095	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	952421	20.000	ng	0.00
76) Chrysene-d12	14.033	240	661459	20.000	ng	0.00
86) Perylene-d12	15.504	264	462716	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1458643	112.910	ng	0.01
7) Phenol-d6	6.498	99	1797089	109.257	ng	0.00
23) Nitrobenzene-d5	7.439	82	1219408	80.673	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	781864	122.992	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2525489	76.648	ng	0.00
79) Terphenyl-d14	12.986	244	3576592	79.942	ng	0.00
Target Compounds						Qvalue

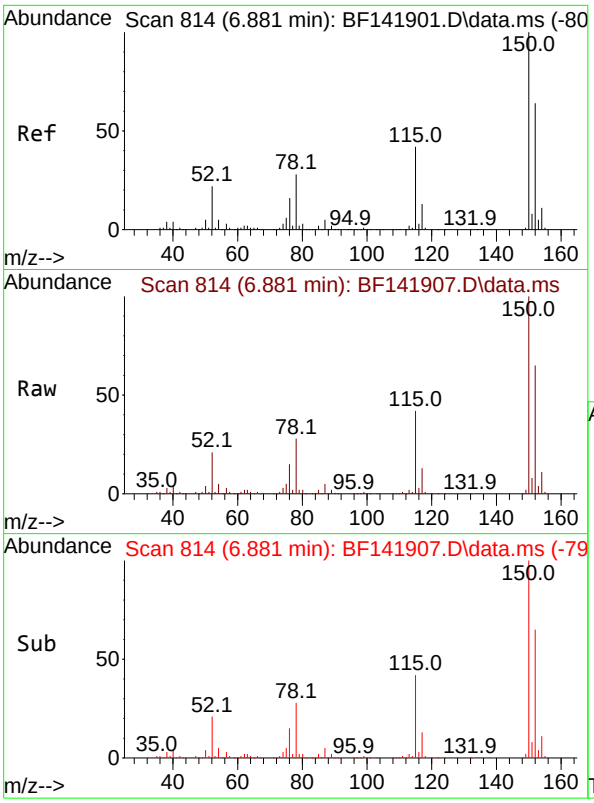
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141907.D
Acq On : 10 Mar 2025 17:09
Operator : RC/JU
Sample : PB167012BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167012BL

Quant Time: Mar 10 17:50:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



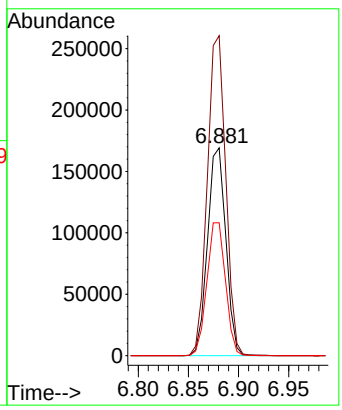


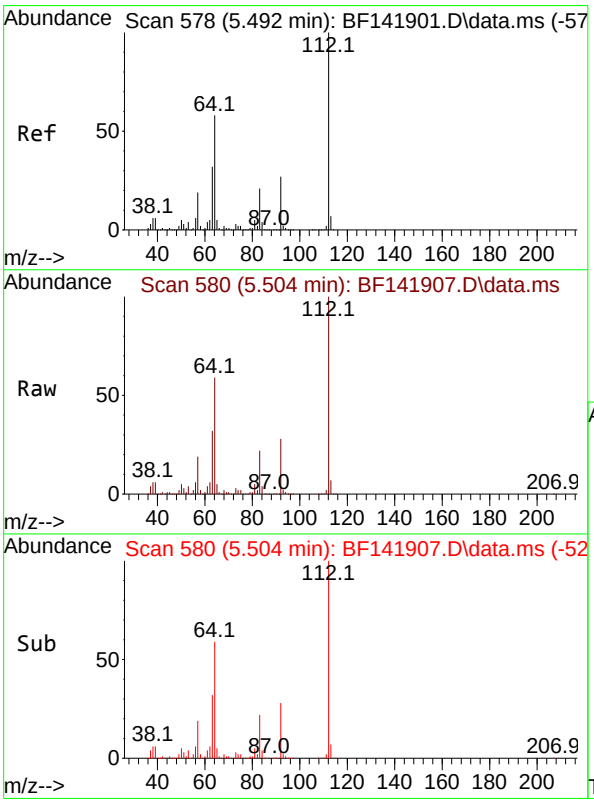
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141907.D
Acq: 10 Mar 2025 17:09

Instrument :
BNA_F
ClientSampleId :
PB167012BL

Tgt Ion:152 Resp: 215606

Ion	Ratio	Lower	Upper
152	100		
150	153.9	127.4	191.2
115	63.9	51.9	77.9

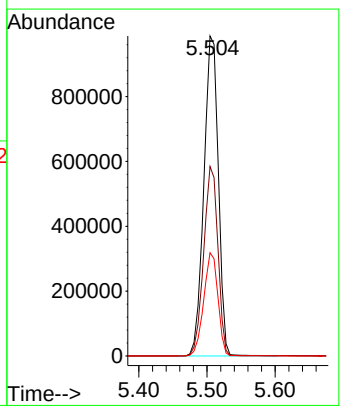


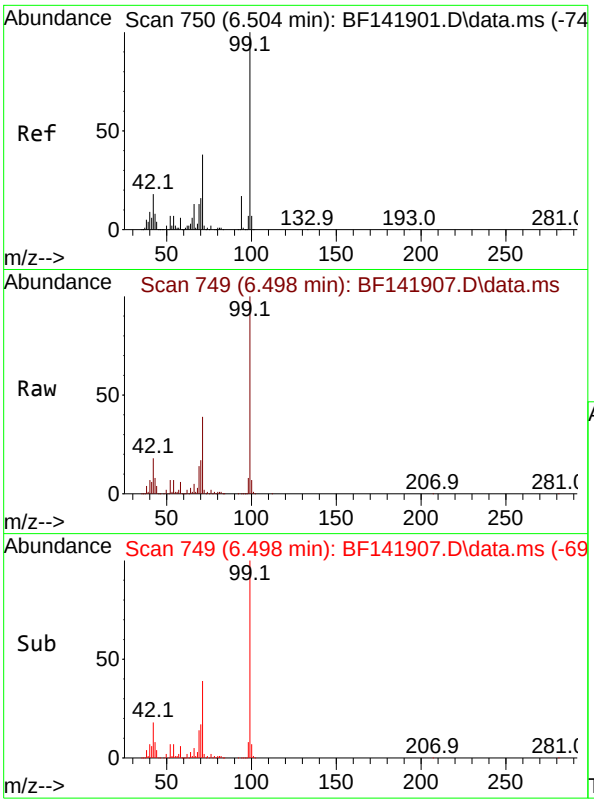


#5
2-Fluorophenol
Concen: 112.910 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF141907.D
Acq: 10 Mar 2025 17:09

Tgt Ion:112 Resp: 1458643

Ion	Ratio	Lower	Upper
112	100		
64	59.2	46.5	69.7
63	32.2	25.4	38.2



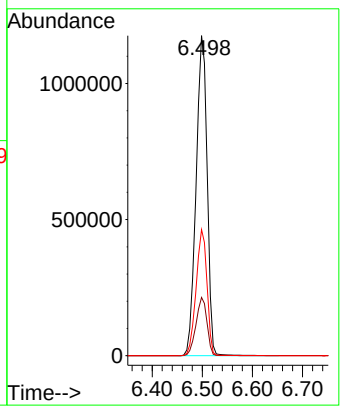


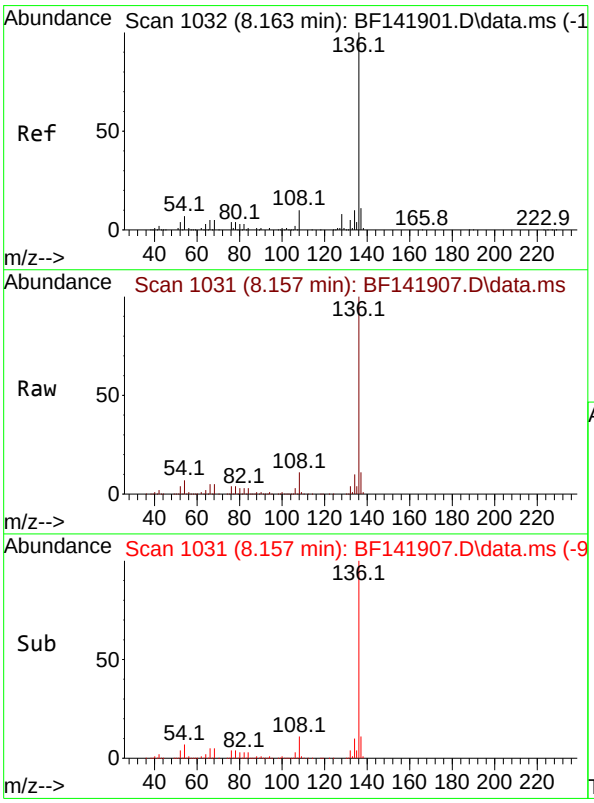
#7
Phenol-d6
Concen: 109.257 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141907.D
Acq: 10 Mar 2025 17:09

Instrument :
BNA_F
ClientSampleId :
PB167012BL

Tgt Ion: 99 Resp: 1797089

Ion	Ratio	Lower	Upper
99	100		
42	18.2	14.6	21.8
71	39.4	30.8	46.2

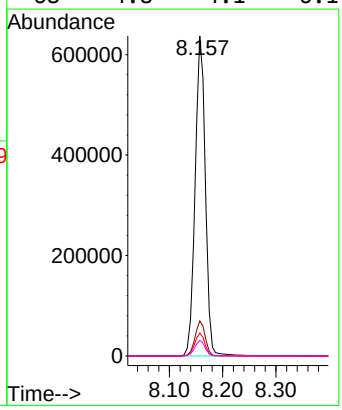


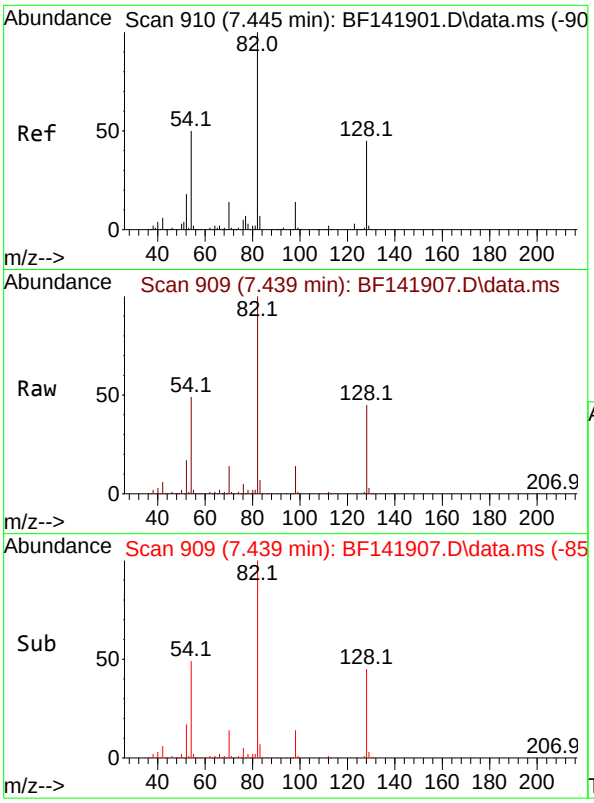


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141907.D
Acq: 10 Mar 2025 17:09

Tgt Ion:136 Resp: 850637

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.2	5.8	8.8
68	4.8	4.1	6.1



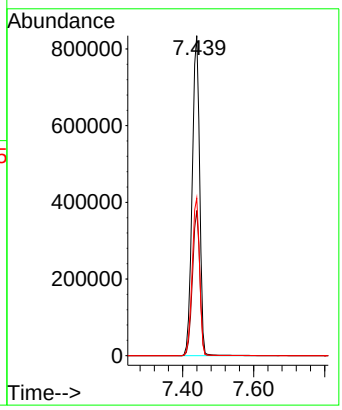


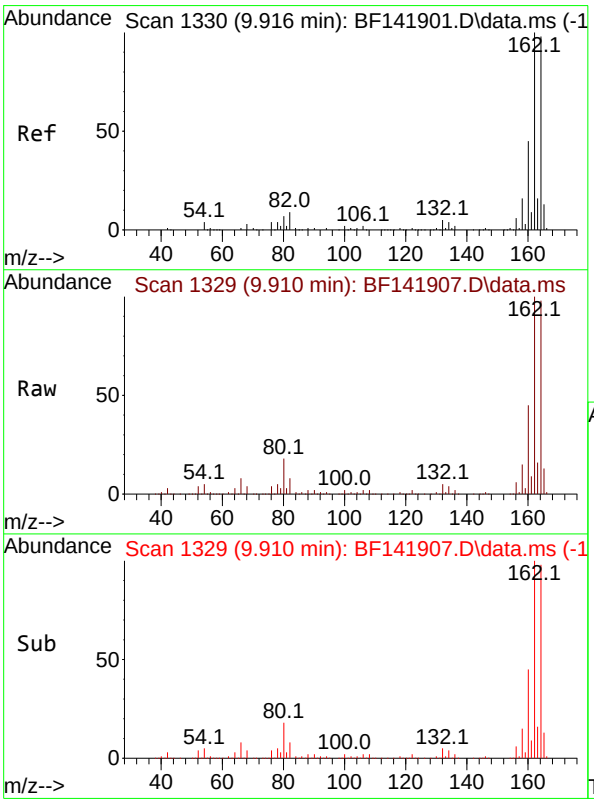
#23
Nitrobenzene-d5
Concen: 80.673 ng
RT: 7.439 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141907.D
Acq: 10 Mar 2025 17:09

Instrument :
BNA_F
ClientSampleId :
PB167012BL

Tgt Ion: 82 Resp: 1219408

Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.0	54.0
54	49.3	39.6	59.4

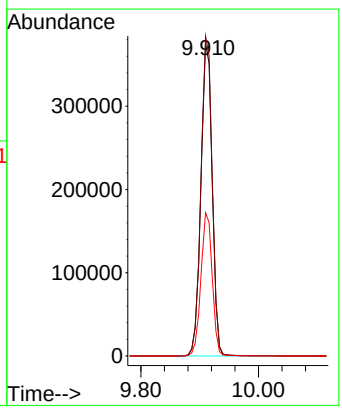


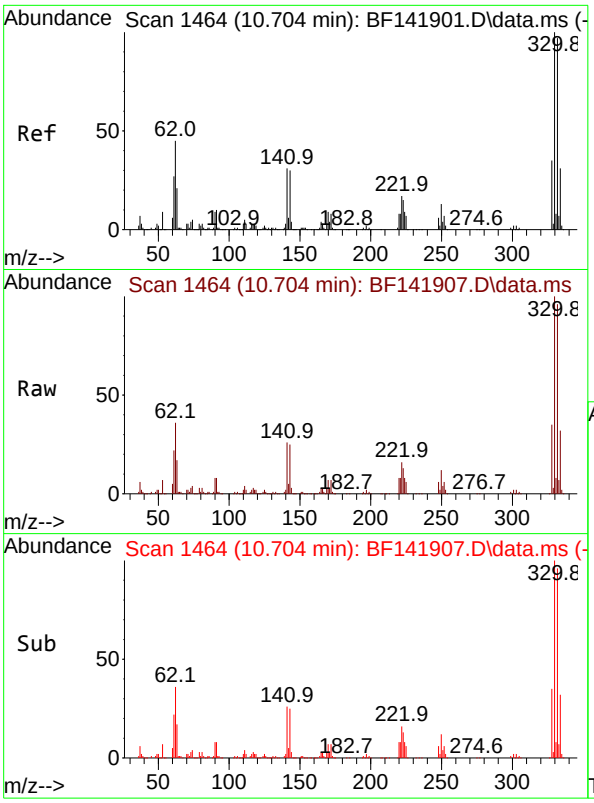


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141907.D
Acq: 10 Mar 2025 17:09

Tgt Ion:164 Resp: 501095

Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.8	122.6
160	45.8	36.7	55.1



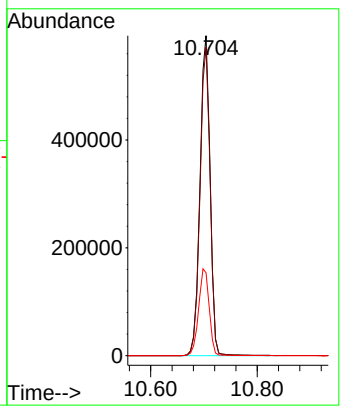


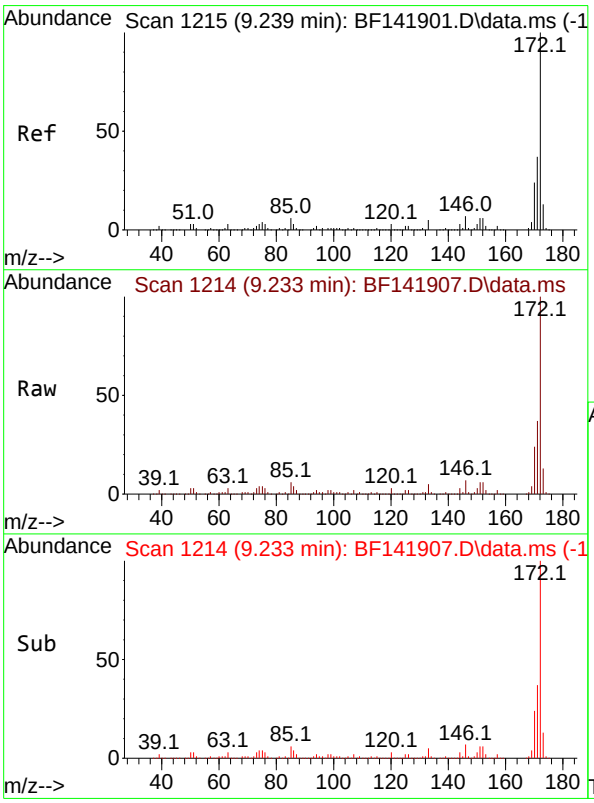
#42
2,4,6-Tribromophenol
Concen: 122.992 ng
RT: 10.704 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141907.D
Acq: 10 Mar 2025 17:09

Instrument :
BNA_F
ClientSampleId :
PB167012BL

Tgt Ion:330 Resp: 781864

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.6	116.4
141	28.4	24.7	37.1

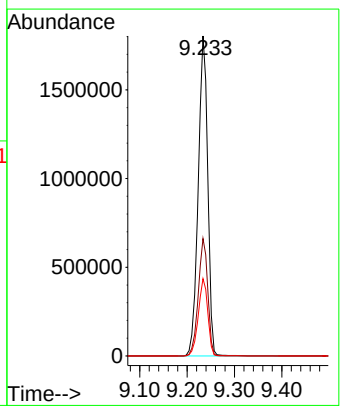


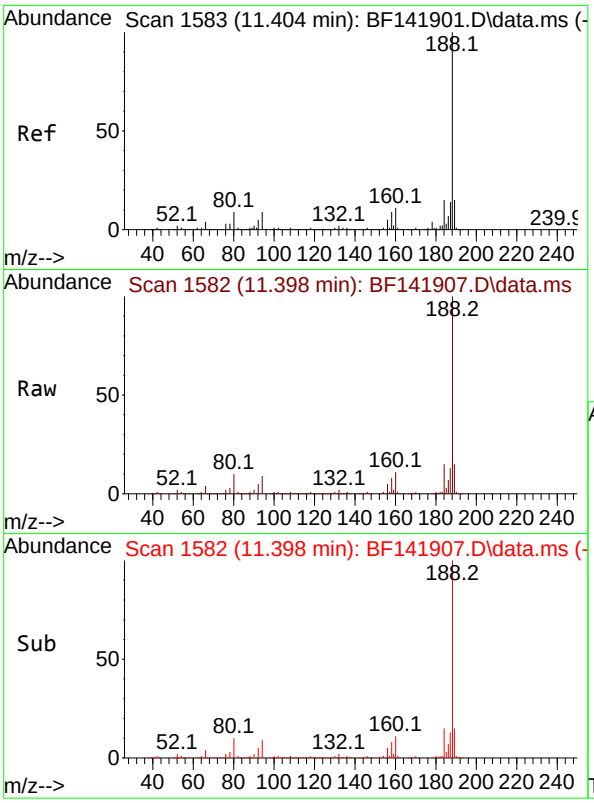


#45
2-Fluorobiphenyl
Concen: 76.648 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141907.D
Acq: 10 Mar 2025 17:09

Tgt Ion:172 Resp: 2525489

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.3	43.9
170	24.2	19.4	29.0



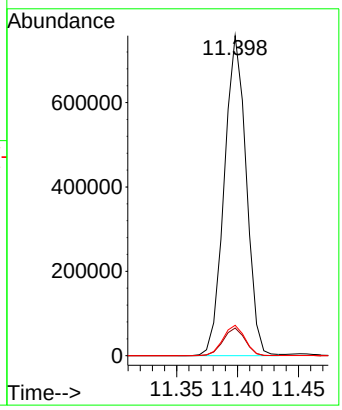


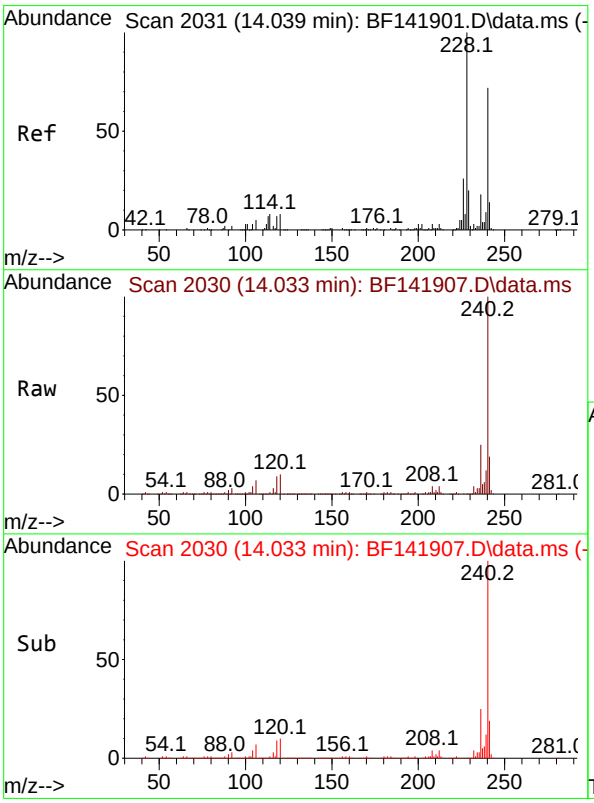
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141907.D
Acq: 10 Mar 2025 17:09

Instrument :
BNA_F
ClientSampleId :
PB167012BL

Tgt Ion:188 Resp: 952421

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.8	10.2
80	9.5	7.6	11.4

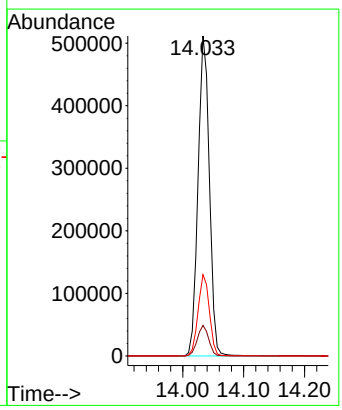


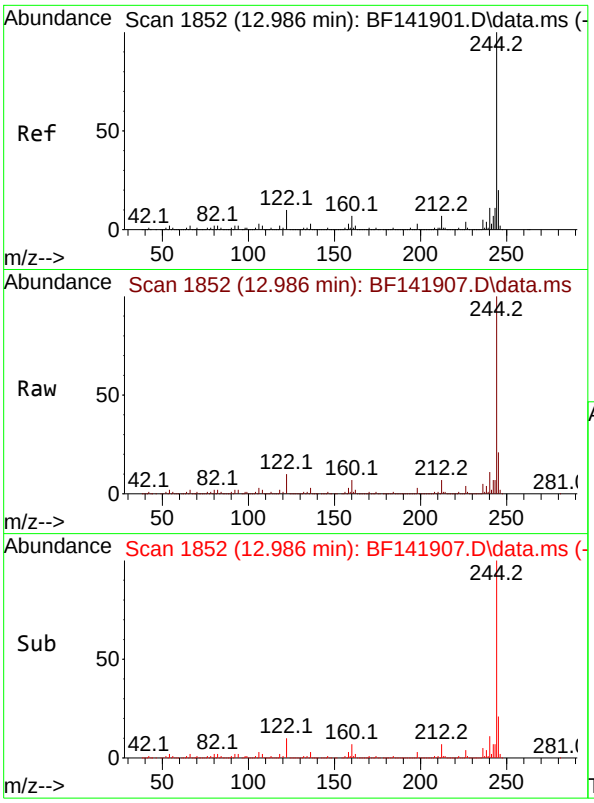


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF141907.D
Acq: 10 Mar 2025 17:09

Tgt Ion:240 Resp: 661459

Ion	Ratio	Lower	Upper
240	100		
120	9.6	8.4	12.6
236	25.4	20.5	30.7



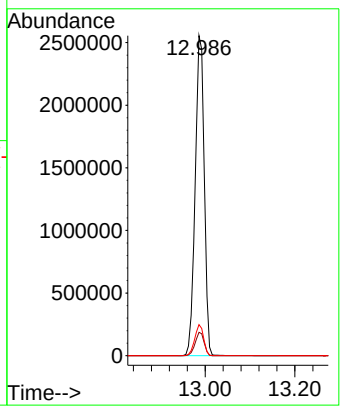


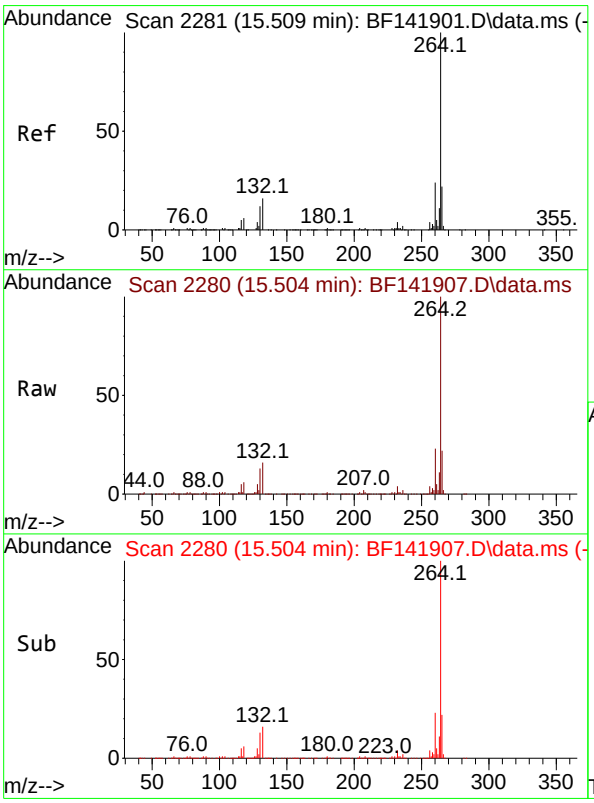
#79
Terphenyl-d14
Concen: 79.942 ng
RT: 12.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141907.D
Acq: 10 Mar 2025 17:09

Instrument :
BNA_F
ClientSampleId :
PB167012BL

Tgt Ion:244 Resp: 3576592

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	9.7	7.7	11.5

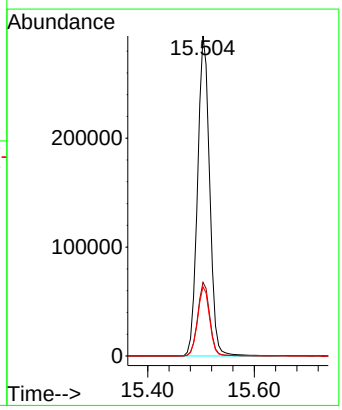




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. -0.006 min
Lab File: BF141907.D
Acq: 10 Mar 2025 17:09

Tgt Ion:264 Resp: 462716

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.1	28.7
265	21.6	17.5	26.3



Raw Data: **BF141912.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Nelson			Date Received:	
Client Sample ID:	PB167012BS			SDG No.:	Q1492
Lab Sample ID:	PB167012BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-PAH
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
BF141912.D	1	03/06/25 09:10	03/11/25 12:51	PB167012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1300		82.5	170	ug/Kg
208-96-8	Acenaphthylene	1400		86.4	170	ug/Kg
83-32-9	Acenaphthene	1500		81.0	170	ug/Kg
86-73-7	Fluorene	1400		85.4	170	ug/Kg
85-01-8	Phenanthrene	1400		83.9	170	ug/Kg
120-12-7	Anthracene	1400		84.3	170	ug/Kg
206-44-0	Fluoranthene	1400		81.6	170	ug/Kg
129-00-0	Pyrene	1400		82.9	170	ug/Kg
56-55-3	Benzo(a)anthracene	1500		80.6	170	ug/Kg
218-01-9	Chrysene	1400		79.4	170	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		81.0	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	1500		92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		80.0	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	127		30 (18) - 130 (112)	85%	SPK: 150
13127-88-3	Phenol-d6	126		30 (15) - 130 (107)	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.5		30 (18) - 130 (107)	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.4		30 (20) - 130 (109)	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	139		30 (10) - 130 (116)	93%	SPK: 150
1718-51-0	Terphenyl-d14	94.4		30 (10) - 130 (105)	94%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	185000	6.881			
1146-65-2	Naphthalene-d8	748000	8.163			
15067-26-2	Acenaphthene-d10	447000	9.916			
1517-22-2	Phenanthrene-d10	768000	11.404			
1719-03-5	Chrysene-d12	493000	14.039			

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

Report of Analysis

Client:	G Environmental				Date Collected:		
Project:	Nelson				Date Received:		
Client Sample ID:	PB167012BS				SDG No.:	Q1492	
Lab Sample ID:	PB167012BS				Matrix:	SOIL	
Analytical Method:	SW8270				% Solid:	100	
Sample Wt/Vol:	30.03	Units:	g		Final Vol:	1000	uL
Soil Aliquot Vol:			uL		Test:	SVOC-PAH	
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
BF141912.D	1	03/06/25 09:10	03/11/25 12:51	PB167012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1520-96-3	Perylene-d12	412000	15.509			

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: **BF141912.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141912.D
Acq On : 11 Mar 2025 12:51
Operator : RC/JU
Sample : PB167012BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 11 13:13:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB167012BS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025

03/12/2025
Supervised By :Jagrut Upadhyay

03/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	184657	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	747989	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	446834	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	767875	20.000	ng		0.00
76) Chrysene-d12	14.039	240	492551	20.000	ng		0.00
86) Perylene-d12	15.509	264	412337	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	1410034	127.441	ng		0.02
7) Phenol-d6	6.504	99	1768099	125.511	ng		0.00
23) Nitrobenzene-d5	7.445	82	1176171	88.491	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	786997	138.833	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	2509203	85.401	ng		0.00
79) Terphenyl-d14	12.986	244	3144530	94.387	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.775	88	176154	37.998	ng		99
3) Pyridine	3.528	79	414716	36.469	ng		100
4) n-Nitrosodimethylamine	3.469	42	216070	39.860	ng		99
6) Aniline	6.545	93	528502	38.030	ng		100
8) 2-Chlorophenol	6.663	128	525492	42.824	ng		100
9) Benzaldehyde	6.428	77	173950	22.079	ng		100
10) Phenol	6.522	94	624057	42.109	ng		98
11) bis(2-Chloroethyl)ether	6.616	93	460410	41.373	ng		99
12) 1,3-Dichlorobenzene	6.822	146	539092	40.693	ng		99
13) 1,4-Dichlorobenzene	6.898	146	553694	41.308	ng		99
14) 1,2-Dichlorobenzene	7.051	146	530249	41.999	ng		98
15) Benzyl Alcohol	7.016	79	467000	41.006	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	545528	40.606	ng		99
17) 2-Methylphenol	7.128	107	433101	44.390	ng		99
18) Hexachloroethane	7.392	117	206361	41.055	ng		98
19) n-Nitroso-di-n-propyla...	7.292	70	368389	40.698	ng		99
20) 3+4-Methylphenols	7.281	107	538615	43.099	ng	#	89
22) Acetophenone	7.286	105	796984	44.493	ng		96
24) Nitrobenzene	7.463	77	547931	41.468	ng		99
25) Isophorone	7.698	82	1031311	43.895	ng		100
26) 2-Nitrophenol	7.775	139	280000	43.176	ng		99
27) 2,4-Dimethylphenol	7.810	122	477228	53.443	ng		99
28) bis(2-Chloroethoxy)met...	7.910	93	605810	41.111	ng		99
29) 2,4-Dichlorophenol	8.016	162	470568	42.455	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	490890	40.188	ng		100
31) Naphthalene	8.180	128	1543197	40.163	ng		100
32) Benzoic acid	7.928	122	380831	48.517	ng		99
33) 4-Chloroaniline	8.228	127	269648	19.880	ng		98
34) Hexachlorobutadiene	8.298	225	326107	40.938	ng		99
35) Caprolactam	8.598	113	163653m	48.429	ng		
36) 4-Chloro-3-methylphenol	8.710	107	530526	42.909	ng		98
37) 2-Methylnaphthalene	8.875	142	1018669	39.664	ng		99
38) 1-Methylnaphthalene	8.975	142	1006929	40.630	ng		99
40) 1,2,4,5-Tetrachloroben...	9.039	216	592823	43.576	ng		97
41) Hexachlorocyclopentadiene	9.027	237	761350	142.999	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	377685	42.480	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141912.D
Acq On : 11 Mar 2025 12:51
Operator : RC/JU
Sample : PB167012BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 11 13:13:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB167012BS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025

03/12/2025
Supervised By :Jagrut Upadhyay

03/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	378302	42.011	ng		98
46) 1,1'-Biphenyl	9.339	154	1506272	44.366	ng		100
47) 2-Chloronaphthalene	9.363	162	1033961	40.859	ng		99
48) 2-Nitroaniline	9.457	65	315690	43.086	ng		99
49) Acenaphthylene	9.780	152	1615328	43.015	ng		100
50) Dimethylphthalate	9.639	163	1304333	41.684	ng		100
51) 2,6-Dinitrotoluene	9.698	165	284720	43.702	ng		98
52) Acenaphthene	9.951	154	1210769	45.880	ng		99
53) 3-Nitroaniline	9.869	138	185407	28.055	ng		98
54) 2,4-Dinitrophenol	9.974	184	305424	82.304	ng	#	48
55) Dibenzofuran	10.122	168	1492523	39.581	ng		100
56) 4-Nitrophenol	10.027	139	461921	92.685	ng		97
57) 2,4-Dinitrotoluene	10.104	165	390807	45.927	ng		100
58) Fluorene	10.469	166	1188252	40.862	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	346049	42.232	ng		100
60) Diethylphthalate	10.339	149	1299882	41.662	ng		100
61) 4-Chlorophenyl-phenyle...	10.457	204	629696	41.535	ng		98
62) 4-Nitroaniline	10.486	138	275869	42.878	ng		98
63) Azobenzene	10.616	77	1162629	40.080	ng		100
65) 4,6-Dinitro-2-methylph...	10.510	198	198679	43.402	ng		100
66) n-Nitrosodiphenylamine	10.580	169	1055983	42.496	ng		100
67) 4-Bromophenyl-phenylether	10.951	248	402742	41.763	ng		96
68) Hexachlorobenzene	11.016	284	460847	43.571	ng		95
69) Atrazine	11.104	200	435190	57.129	ng		99
70) Pentachlorophenol	11.204	266	557141	85.494	ng		100
71) Phenanthrene	11.427	178	1762158	42.487	ng		100
72) Anthracene	11.480	178	1787717	42.963	ng		100
73) Carbazole	11.633	167	1505049	41.940	ng		99
74) Di-n-butylphthalate	11.963	149	1956127	41.081	ng		100
75) Fluoranthene	12.615	202	1792812	40.750	ng		100
77) Benzidine	12.733	184	544235	79.196	ng		99
78) Pyrene	12.845	202	1775108	41.663	ng		100
80) Butylbenzylphthalate	13.462	149	719394	43.139	ng		99
81) Benzo(a)anthracene	14.027	228	1428951	44.211	ng		100
82) 3,3'-Dichlorobenzidine	13.992	252	281380	30.125	ng		99
83) Chrysene	14.068	228	1187792	40.541	ng		100
84) Bis(2-ethylhexyl)phtha...	14.015	149	991942	43.141	ng		100
85) Di-n-octyl phthalate	14.633	149	1411316	44.114	ng		99
87) Indeno(1,2,3-cd)pyrene	16.998	276	1167143	43.757	ng		99
88) Benzo(b)fluoranthene	15.080	252	1095375	38.761	ng		100
89) Benzo(k)fluoranthene	15.109	252	1076737	44.523	ng		100
90) Benzo(a)pyrene	15.451	252	1004550	45.430	ng		100
91) Dibenzo(a,h)anthracene	17.015	278	961369	43.683	ng		100
92) Benzo(g,h,i)perylene	17.450	276	878097	40.376	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141912.D
Acq On : 11 Mar 2025 12:51
Operator : RC/JU
Sample : PB167012BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 11 13:13:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

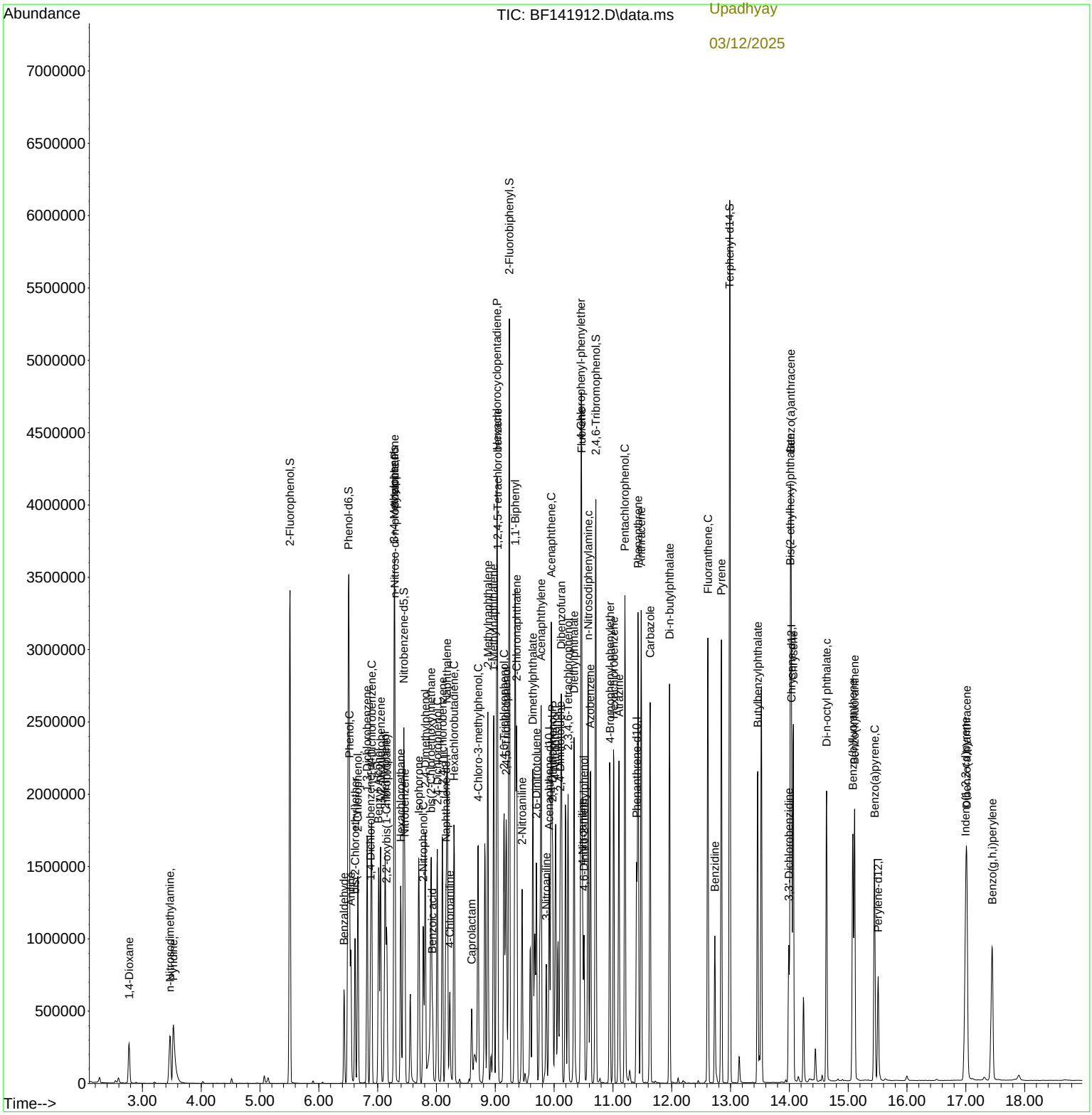
Instrument :
BNA_F
ClientSampleId :
PB167012BS

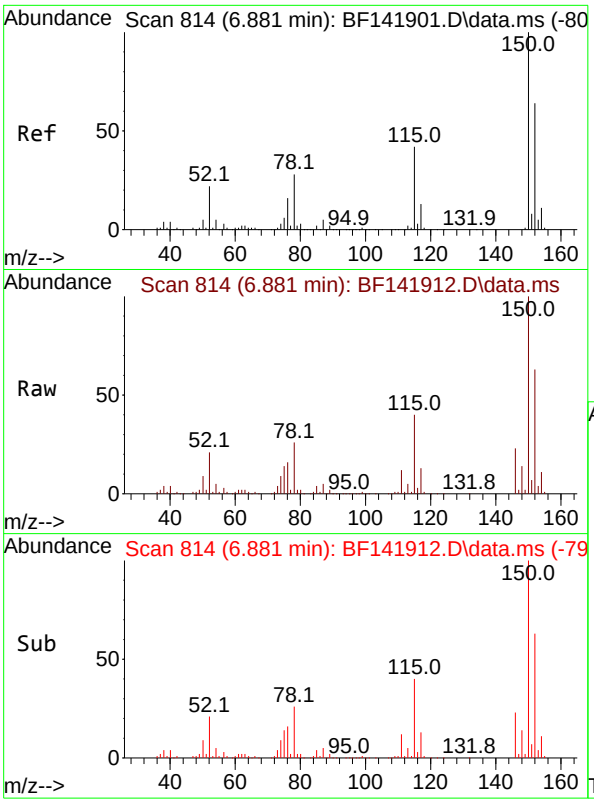
Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025

03/12/2025
Supervised By :Jagrut Upadhyay

03/12/2025

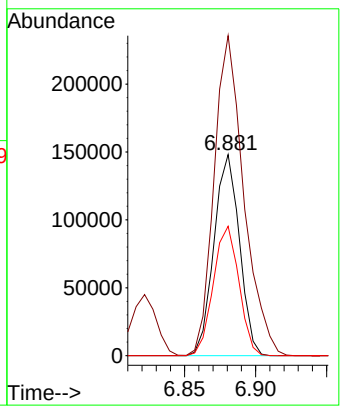

Abundance
TIC: BF141912.D\data.ms
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4.00
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6.00
7.00
8.00
9.00
10.00
11.00
12.00
13.00
14.00
15.00
16.00
17.00
18.00
1,4-Dioxane
2-Fluorophenol,S
Phenol-d6,S
Phenol,C
Nitrobenzene-d5,S
Hexachlorobutadiene,C
Caprolactam
4-Chloro-3-methylphenol,C
2-Fluorobiphenyl,S
1,1'-Biphenyl
2-Chloronaphthalene
2-Nitroaniline
Dimethylphthalate
Acenaphthylene
Acenaphthene,C
2,6-Dinitrotoluene
3-Nitroaniline
Dibenzofuran
Diethylphthalate
4-Chlorophenyl-phenylether
Fluorene,C
2,4,6-Tribromophenol,S
n-Nitrosodiphenylamine,c
Azobenzene
4-Bromophenyl-phenylether
Hexachlorobenzene
Pentachlorophenol,C
Phenanthrene
Anthracene
Carbazole
Di-n-butylphthalate
Fluoranthene,C
Pyrene
Terphenyl-d14,S
Butylbenzylphthalate
Benzidine
3,3'-Dichlorobenzidine
Chrysene-d12,I
Bis(2-ethylhexyl)phthalate
Benzo(a)anthracene
Di-n-octyl phthalate,c
Benzo(b)fluoranthene
Benzo(k)fluoranthene
Benzo(a)pyrene,C
Perylene-d12,I
Indeno(1,2,3-cd)pyrene
Dibenz(a,h)anthracene
Benzo(g,h,i)perylene
Benzaldehyde
Atrazine
Isophorone
Benzoic acid
Naphthalene-d8,I
Naphthalene,C
2-Methylnaphthalene
2-Nitrophenol
2,4-Dimethylphenol
Benzyl alcohol
2,4-Dichlorophenol
1,2,4-Trichlorobenzene
Hexachlorocyclopentadiene,P
4-Chloroaniline
2,4-Dinitrotoluene
2,3,4,6-Tetrachlorophenol
4,6-Dinitro-2-methylphenol
4-Nitrophenol
Acenaphthene-d10,I
2,4-Dinitrophenol
4-Nitrosodimethylamine,
n-Nitrosodimethylamine,
Pyridine
Aniline
Bis(2-Chloroethyl)ether
1,4-Dichlorobenzene
Benzyl Alcohol
1,2-Dichlorobenzene
2-Methylphenol
Bis(2-chloroisopropyl)ether
4-Methylphenol
n-Nitroso-di-n-propylamine
Hexachloroethane
Nitrobenzene
Isophorone
2-Nitrophenol
2,4-Dimethylphenol
Benzoic acid
bis(2-Chloroethoxy)methane
2,4-Dichlorophenol
Naphthalene-d8,I
Naphthalene,C
4-Chloroaniline
2,2'-oxybis(1-Chloropropane)



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:152 Resp: 18465

Ion	Ratio	Lower	Upper
152	100		
150	159.1	127.4	191.2
115	64.4	51.9	77.9



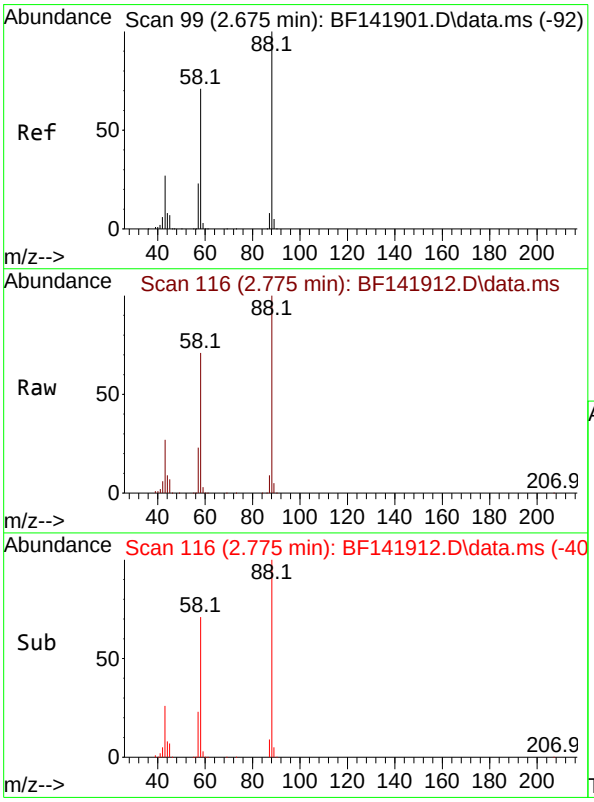
Instrument :
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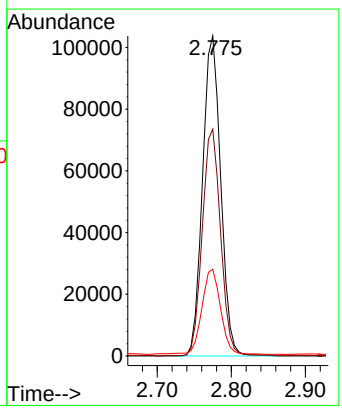
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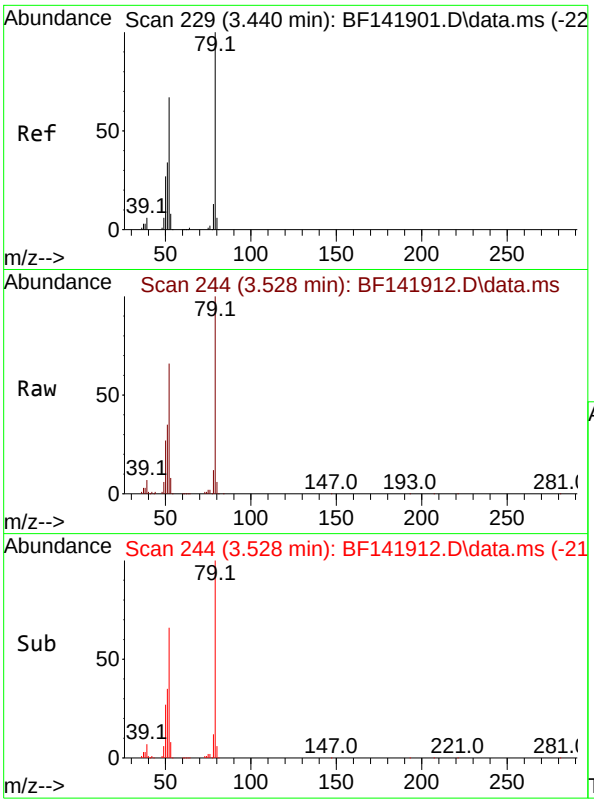


#2
1,4-Dioxane
Concen: 37.998 ng
RT: 2.775 min Scan# 116
Delta R.T. 0.100 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion: 88 Resp: 176154

Ion	Ratio	Lower	Upper
88	100		
58	71.0	57.4	86.2
43	27.6	21.5	32.3

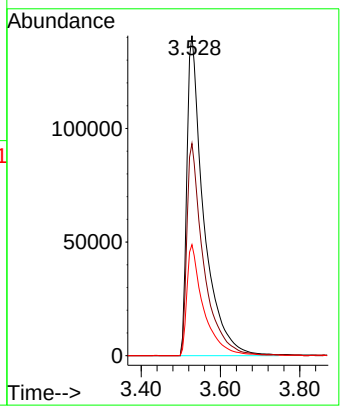




#3
Pyridine
Concen: 36.469 ng
RT: 3.528 min Scan# 24
Delta R.T. 0.088 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion: 79 Resp: 41471

Ion	Ratio	Lower	Upper
79	100		
52	66.3	53.3	79.9
51	34.7	27.6	41.4



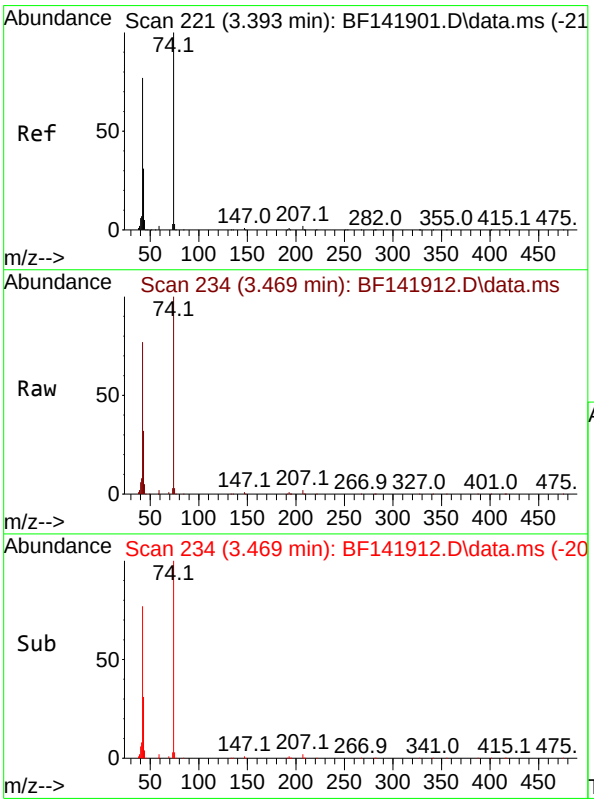
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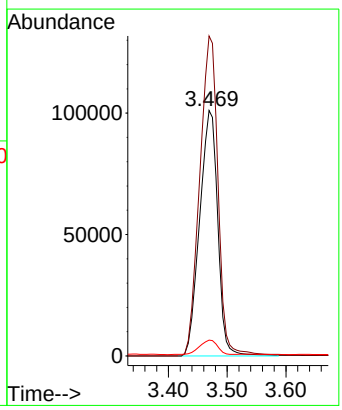
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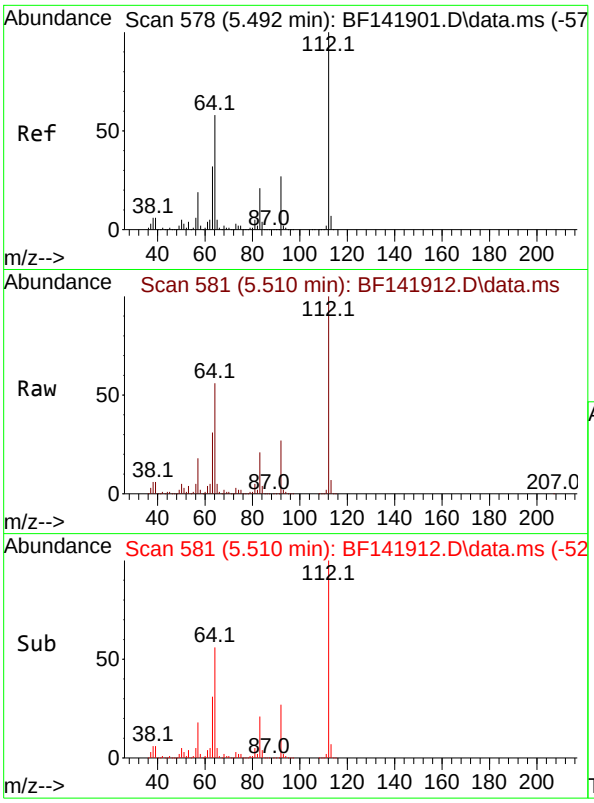


#4
n-Nitrosodimethylamine
Concen: 39.860 ng
RT: 3.469 min Scan# 234
Delta R.T. 0.076 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion: 42 Resp: 216070

Ion	Ratio	Lower	Upper
42	100		
74	130.3	103.4	155.0
44	6.4	5.0	7.4

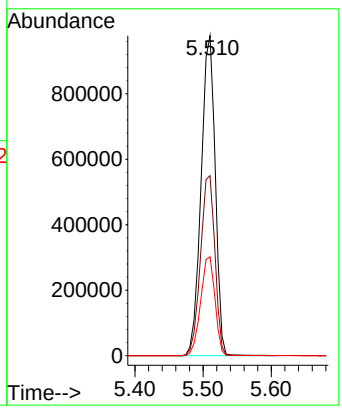




#5
2-Fluorophenol
Concen: 127.441 ng
RT: 5.510 min Scan# 5
Delta R.T. 0.018 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:112 Resp: 141003

Ion	Ratio	Lower	Upper
112	100		
64	56.2	46.5	69.7
63	30.9	25.4	38.2



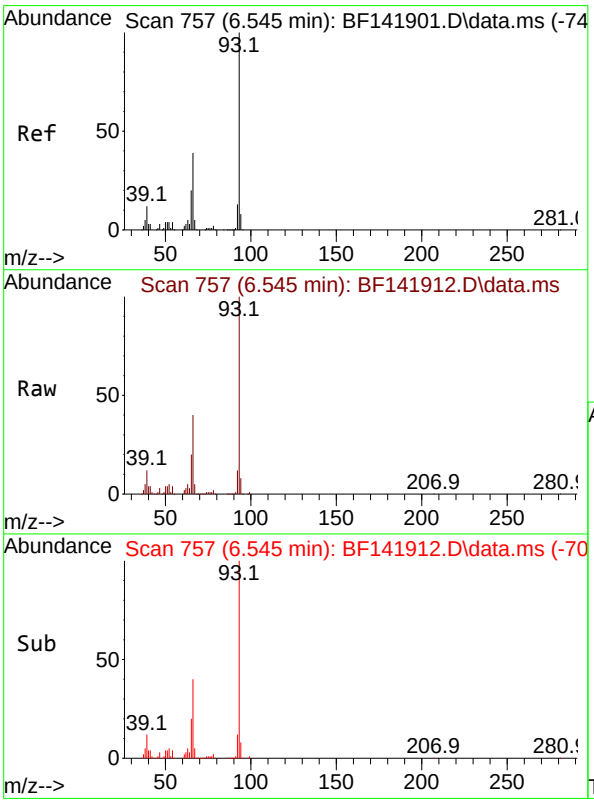
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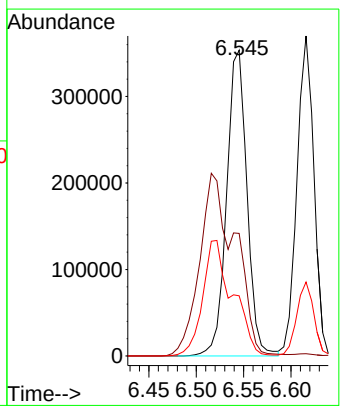
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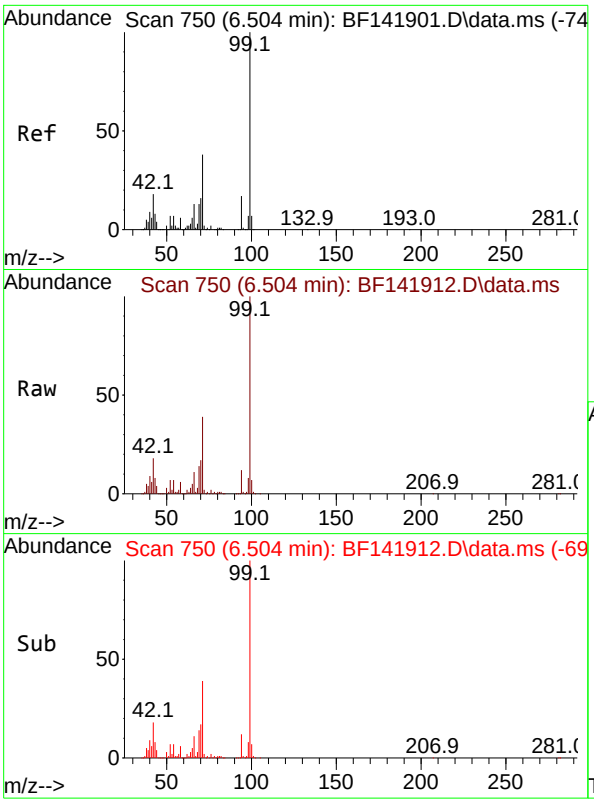


#6
Aniline
Concen: 38.030 ng
RT: 6.545 min Scan# 757
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion: 93 Resp: 528502

Ion	Ratio	Lower	Upper
93	100		
66	40.1	31.9	47.9
65	19.7	15.8	23.6

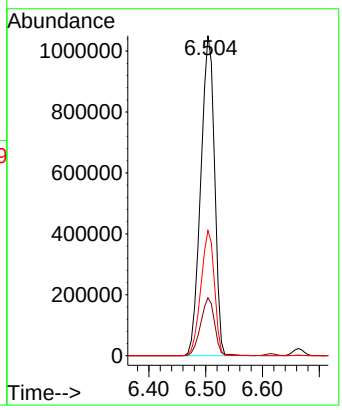




#7
Phenol-d6
Concen: 125.511 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion: 99 Resp: 176809

Ion	Ratio	Lower	Upper
99	100		
42	18.1	14.6	21.8
71	39.1	30.8	46.2



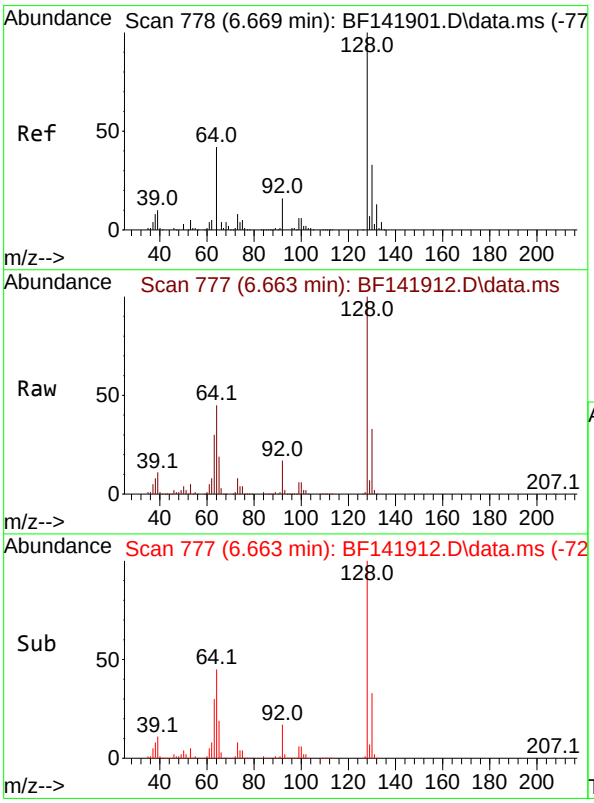
Instrument :
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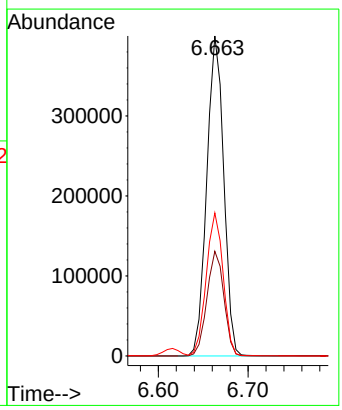
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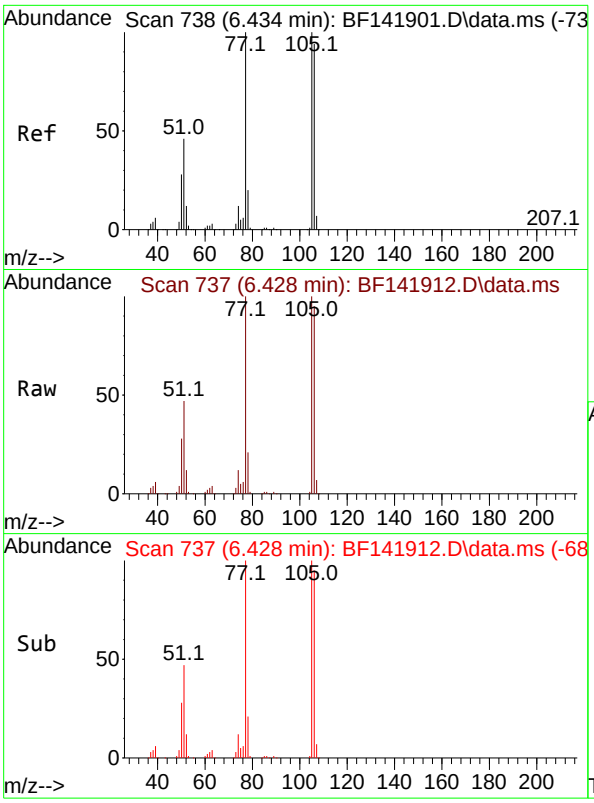


#8
2-Chlorophenol
Concen: 42.824 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.006 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:128 Resp: 525492

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.8	52.8
64	44.7	24.4	64.4

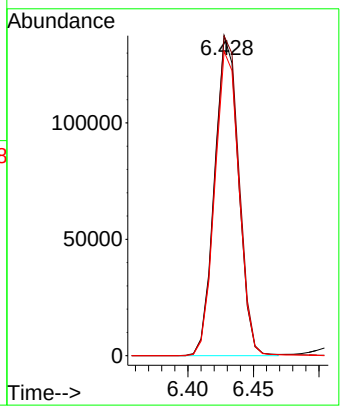




#9
Benzaldehyde
Concen: 22.079 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion: 77 Resp: 17395

Ion	Ratio	Lower	Upper
77	100		
105	99.9	80.0	120.0
106	95.1	74.5	114.5



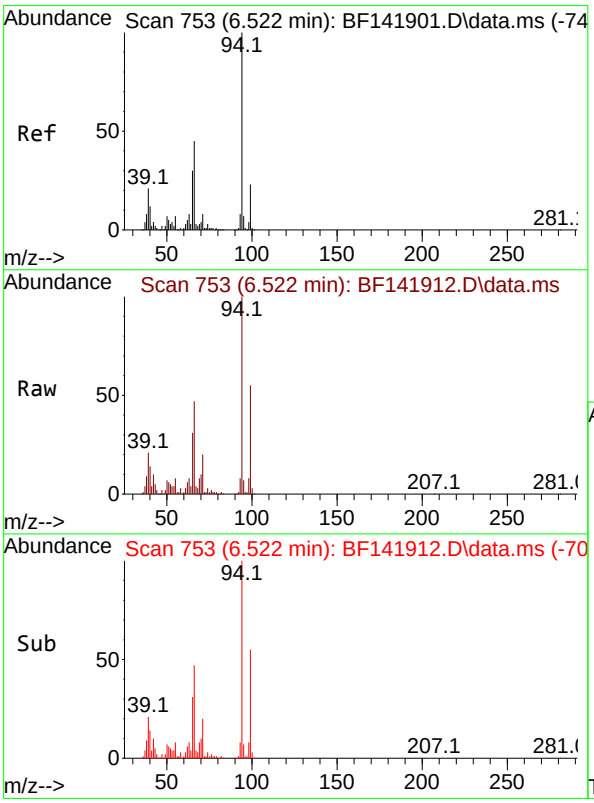
Instrument :
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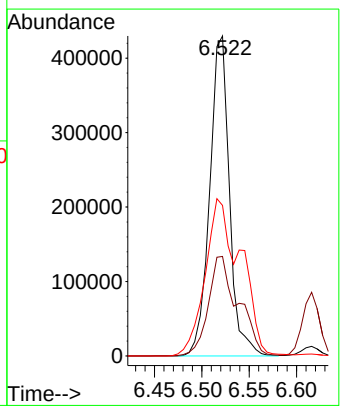
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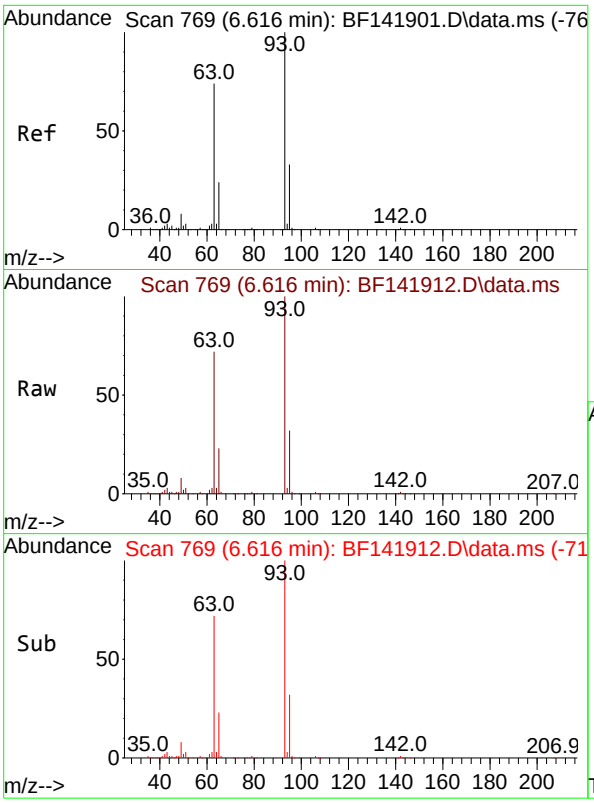


#10
Phenol
Concen: 42.109 ng
RT: 6.522 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion: 94 Resp: 624057

Ion	Ratio	Lower	Upper
94	100		
65	31.1	10.5	50.5
66	47.1	25.8	65.8

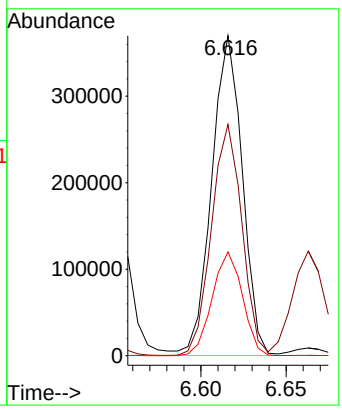




#11
bis(2-Chloroethyl)ether
Concen: 41.373 ng
RT: 6.616 min Scan# 7(
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion: 93 Resp: 46041(

Ion	Ratio	Lower	Upper
93	100		
63	72.3	53.0	93.0
95	32.4	12.9	52.9



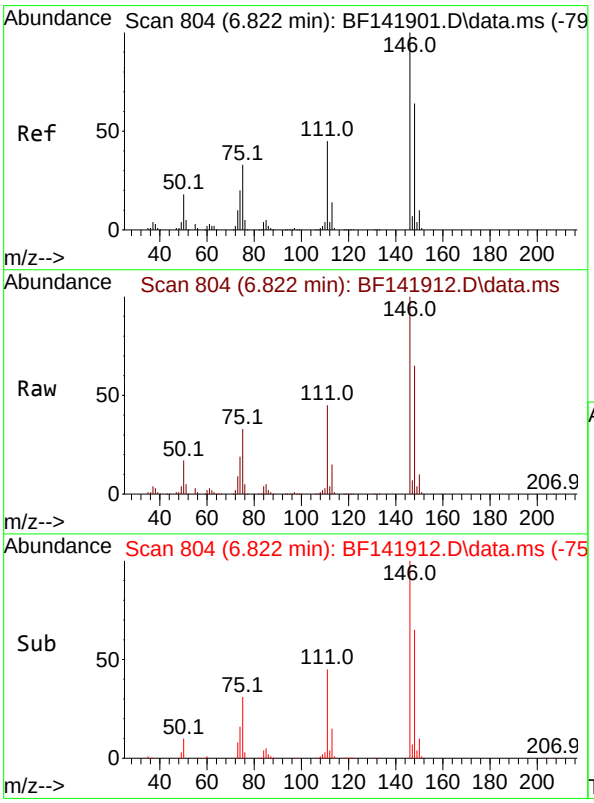
Instrument :
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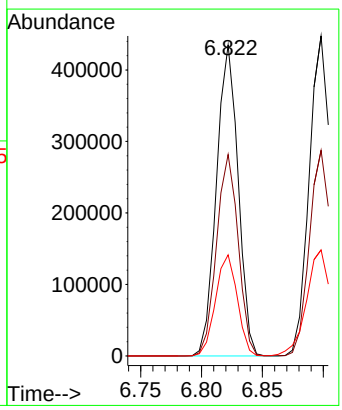
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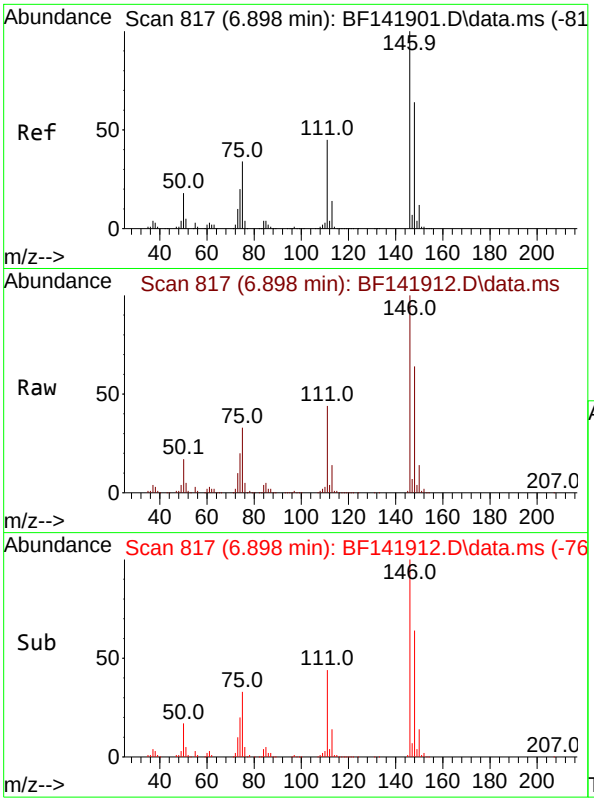


#12
1,3-Dichlorobenzene
Concen: 40.693 ng
RT: 6.822 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:146 Resp: 539092

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.3	76.9
75	32.5	26.6	40.0

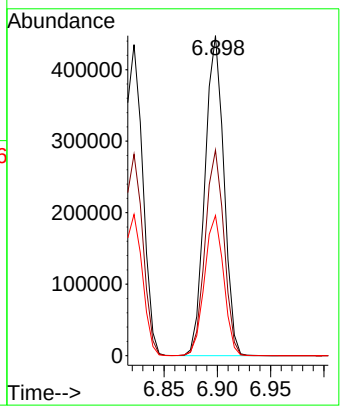




#13
1,4-Dichlorobenzene
Concen: 41.308 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:146 Resp: 55369

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.0	76.6
111	43.8	35.7	53.5



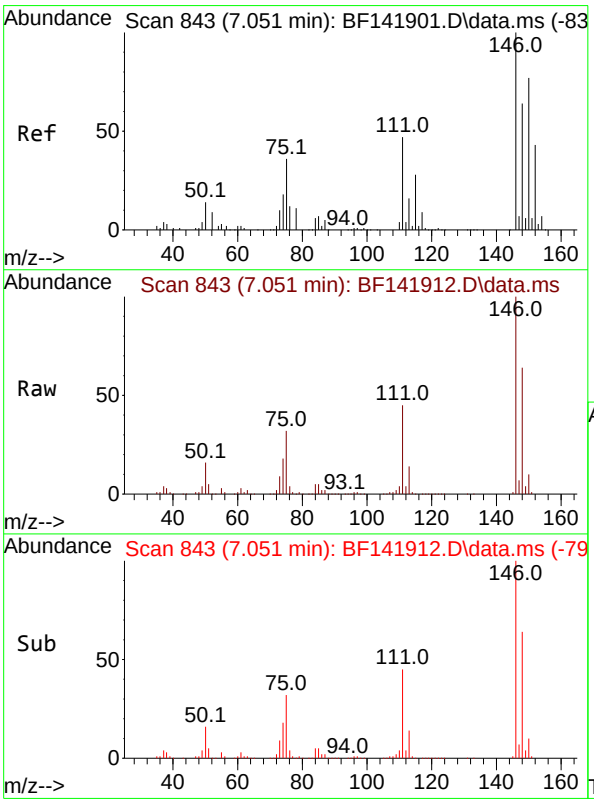
Instrument :
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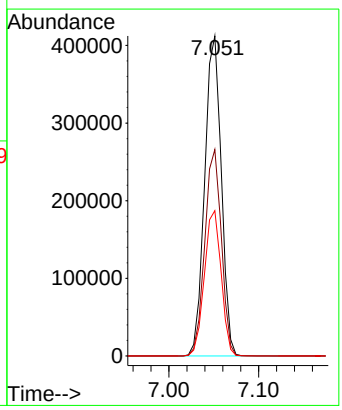
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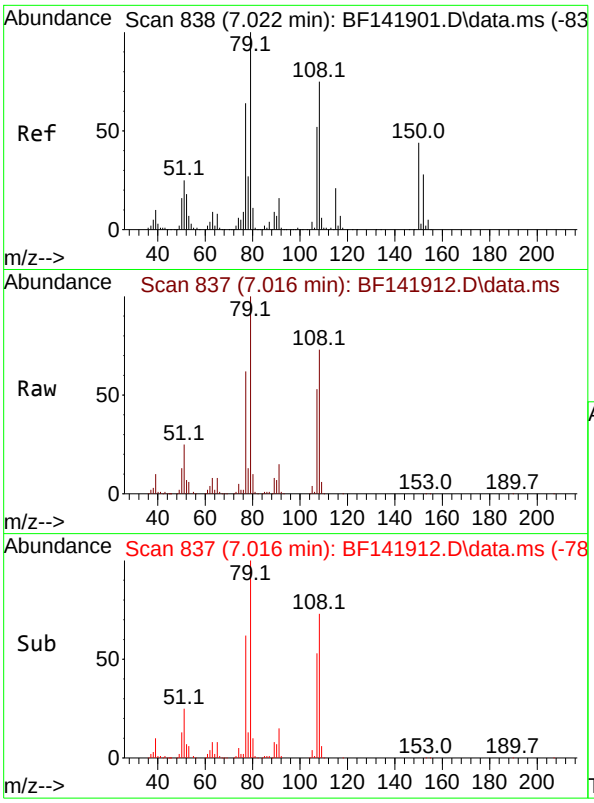


#14
1,2-Dichlorobenzene
Concen: 41.999 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:146 Resp: 530249

Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.8	76.2
111	45.4	38.0	57.0

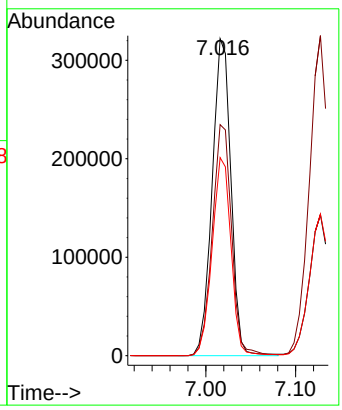




#15
Benzyl Alcohol
Concen: 41.006 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion: 79 Resp: 46700

Ion	Ratio	Lower	Upper
79	100		
108	72.9	59.7	89.5
77	62.5	51.0	76.6



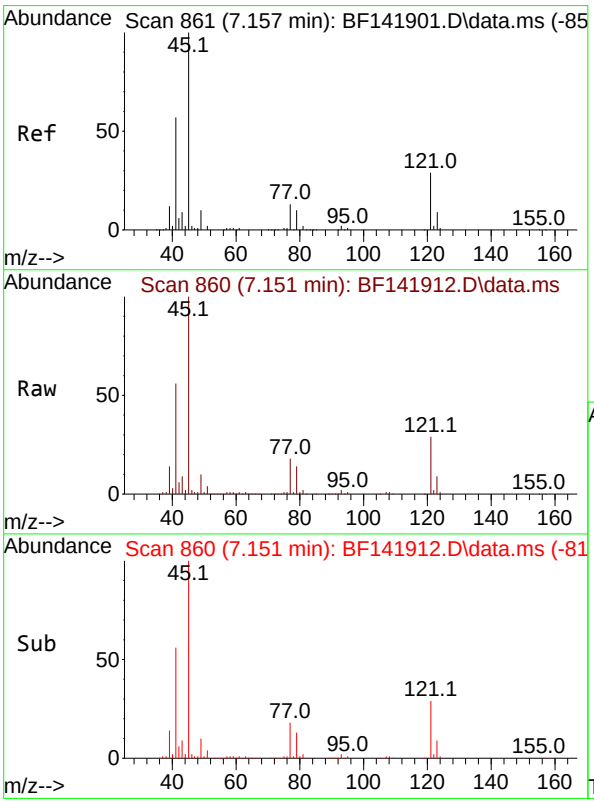
Instrument :
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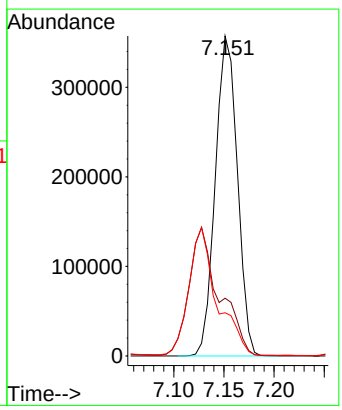
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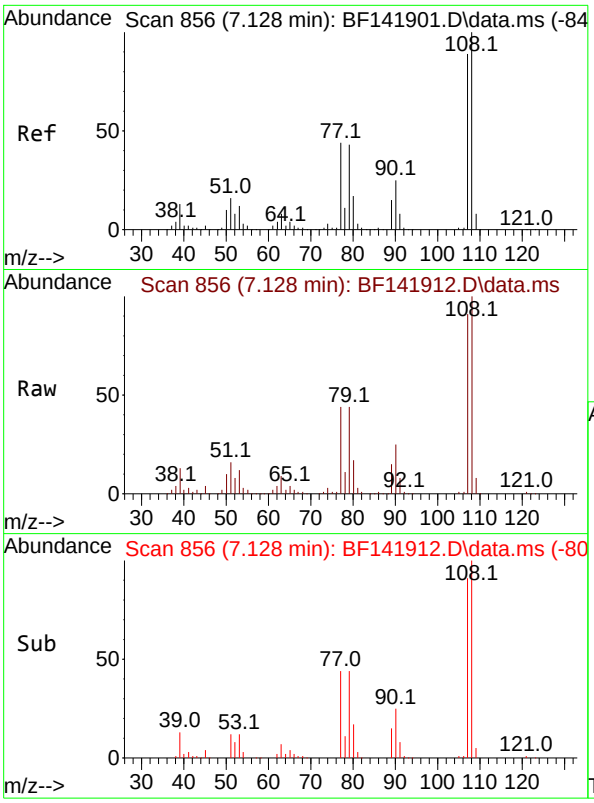


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.606 ng
RT: 7.151 min Scan# 860
Delta R.T. -0.006 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion: 45 Resp: 545528

Ion	Ratio	Lower	Upper
45	100		
77	18.0	0.0	37.8
79	13.5	0.0	34.2

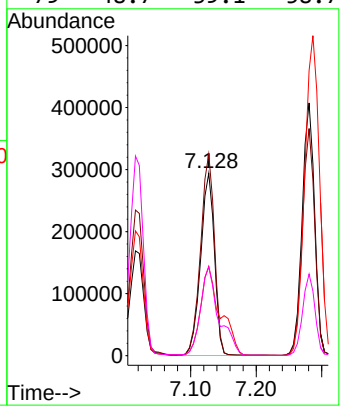




#17
2-Methylphenol
Concen: 44.390 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:107 Resp: 43310

Ion	Ratio	Lower	Upper
107	100		
108	110.5	90.2	135.2
77	48.9	39.6	59.4
79	48.7	39.1	58.7



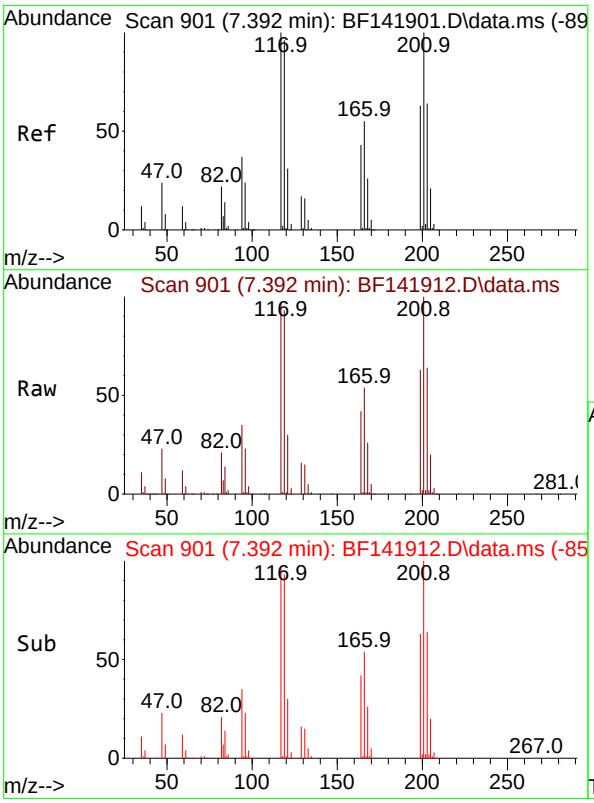
Instrument :
BNA_F
ClientSampleId :
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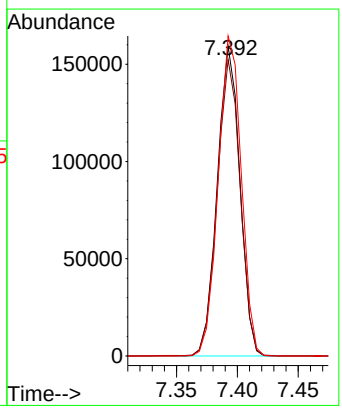
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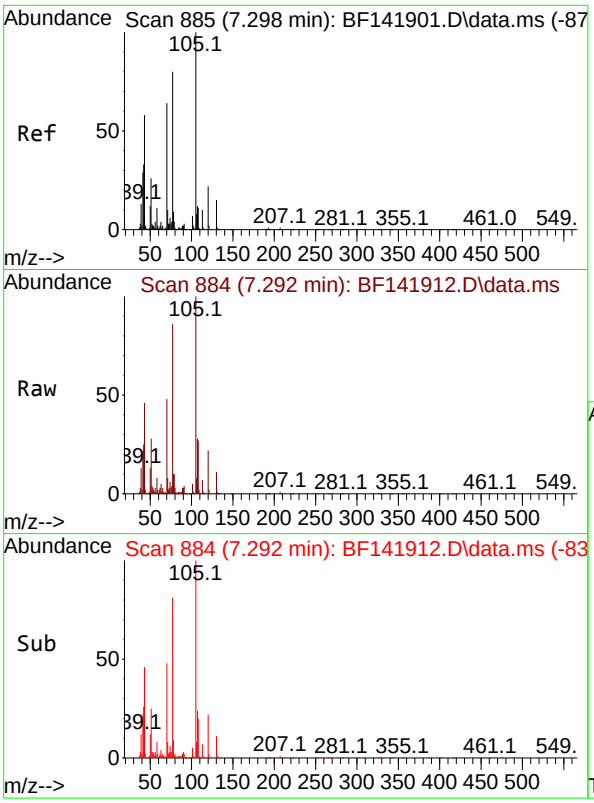


#18
Hexachloroethane
Concen: 41.055 ng
RT: 7.392 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:117 Resp: 206361

Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.9	115.3
201	103.3	79.9	119.9

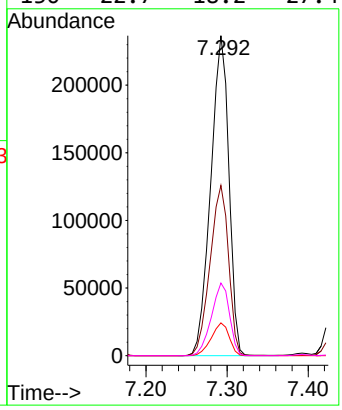




#19
n-Nitroso-di-n-propylamine
Concen: 40.698 ng
RT: 7.292 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion: 70 Resp: 36838

Ion	Ratio	Lower	Upper
70	100		
42	53.2	41.4	62.0
101	10.2	8.2	12.2
130	22.7	18.2	27.4



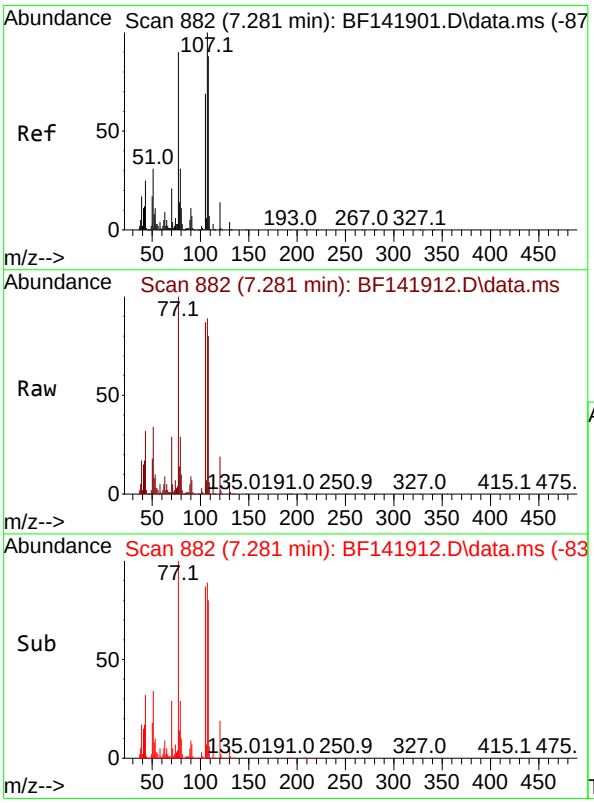
Instrument :
BNA_F
ClientSampleId :
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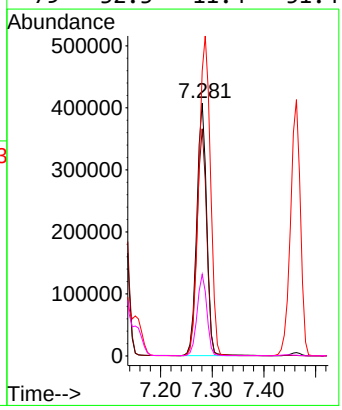
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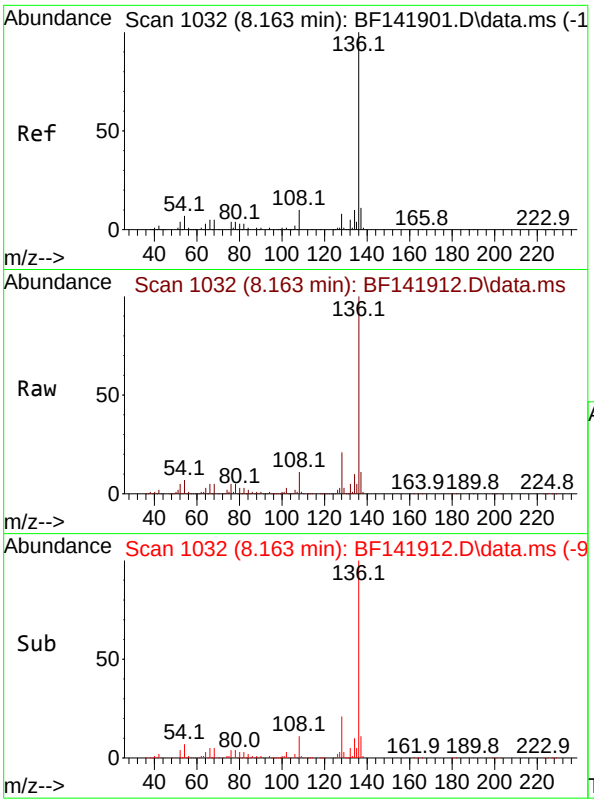


#20
3+4-Methylphenols
Concen: 43.099 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:107 Resp: 538615

Ion	Ratio	Lower	Upper
107	100		
108	89.9	68.4	108.4
77	112.7	69.7	109.7#
79	32.3	11.4	51.4

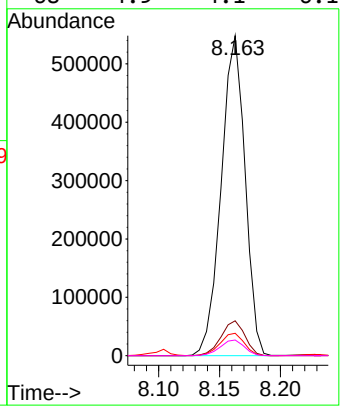




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:136 Resp: 74798

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.0	5.8	8.8
68	4.9	4.1	6.1



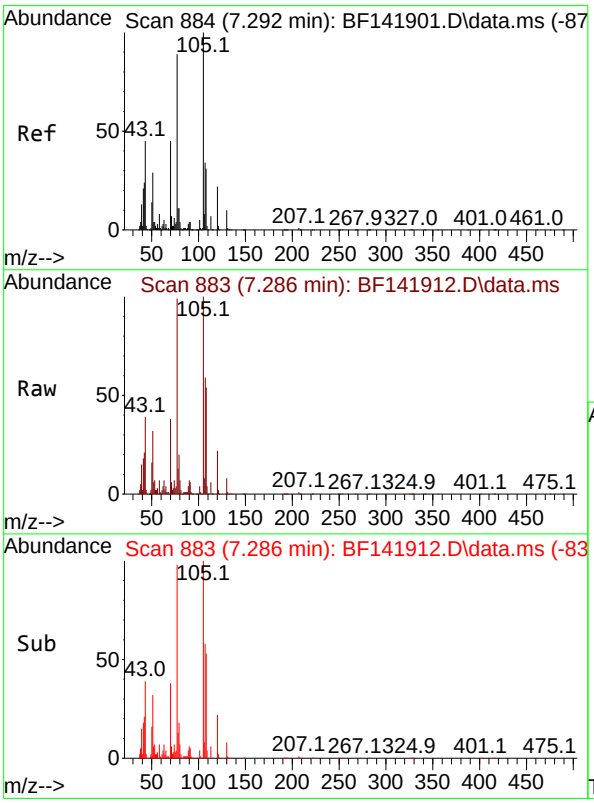
Instrument :
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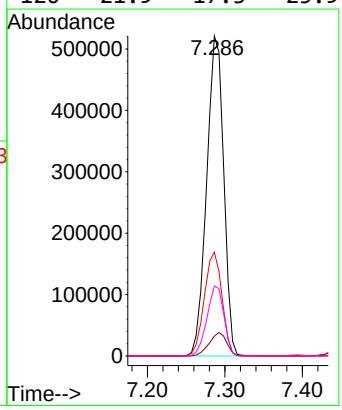
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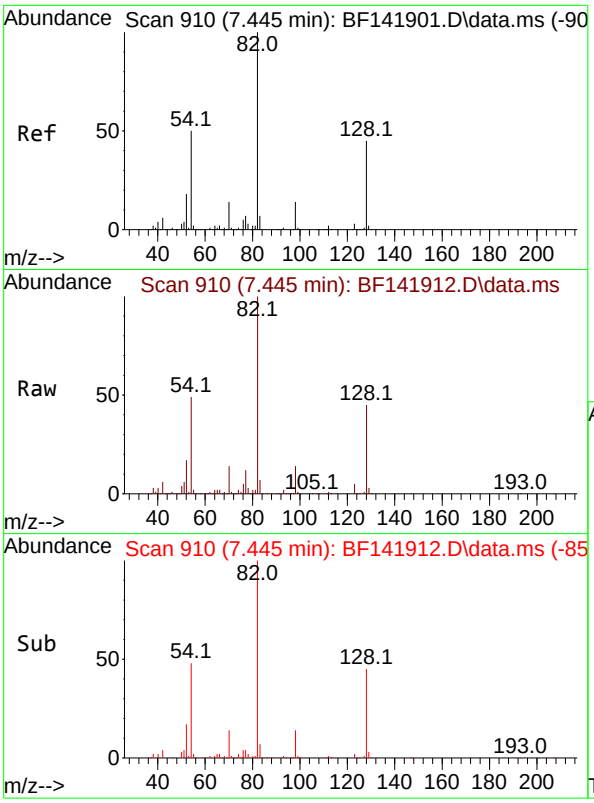


#22
Acetophenone
Concen: 44.493 ng
RT: 7.286 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:105 Resp: 796984

Ion	Ratio	Lower	Upper
105	100		
71	6.2	5.8	8.8
51	32.5	23.4	35.0
120	21.9	17.3	25.9

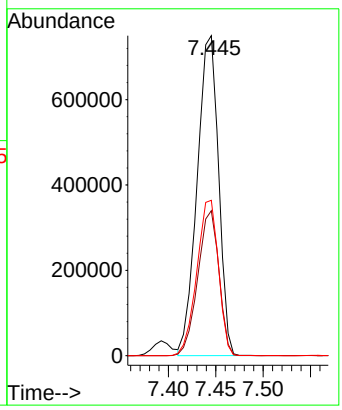




#23
Nitrobenzene-d5
Concen: 88.491 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion: 82 Resp: 117617

Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.0	54.0
54	48.5	39.6	59.4



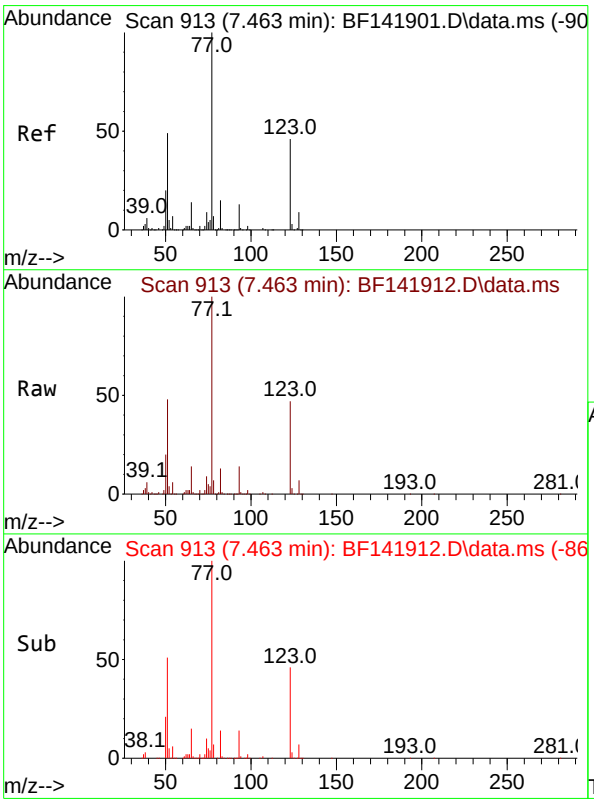
Instrument :
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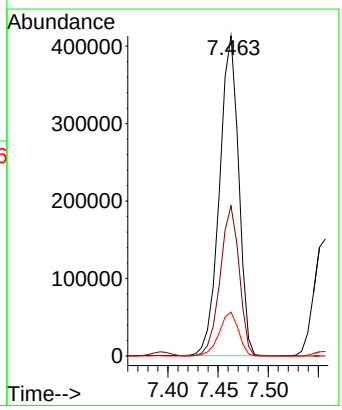
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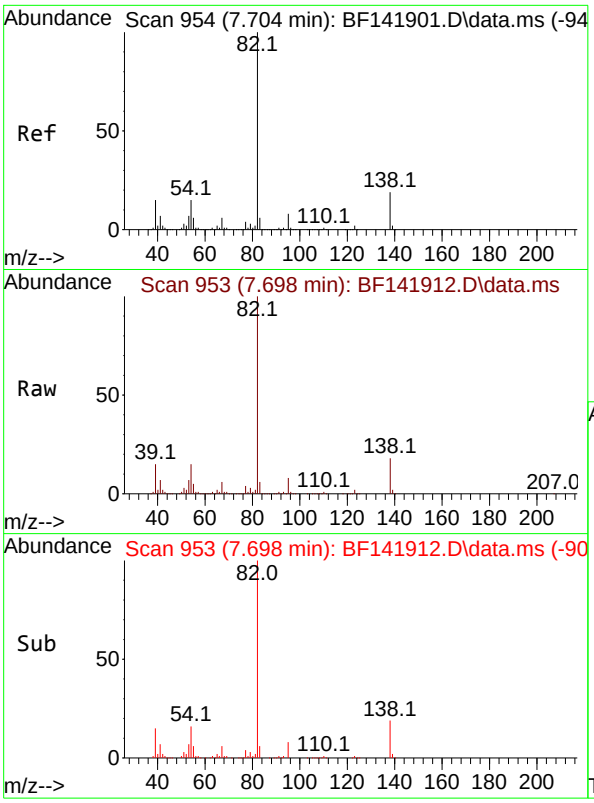


#24
Nitrobenzene
Concen: 41.468 ng
RT: 7.463 min Scan# 913
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion: 77 Resp: 547931

Ion	Ratio	Lower	Upper
77	100		
123	46.9	37.0	55.4
65	13.7	11.3	16.9

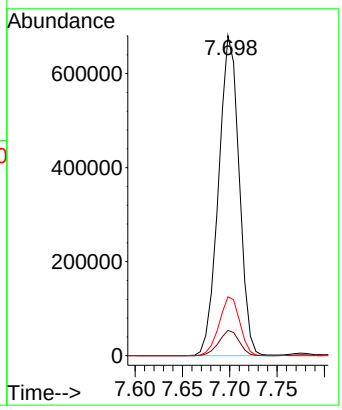




#25
Isophorone
Concen: 43.895 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion: 82 Resp: 103131

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.4	9.6
138	18.4	14.9	22.3



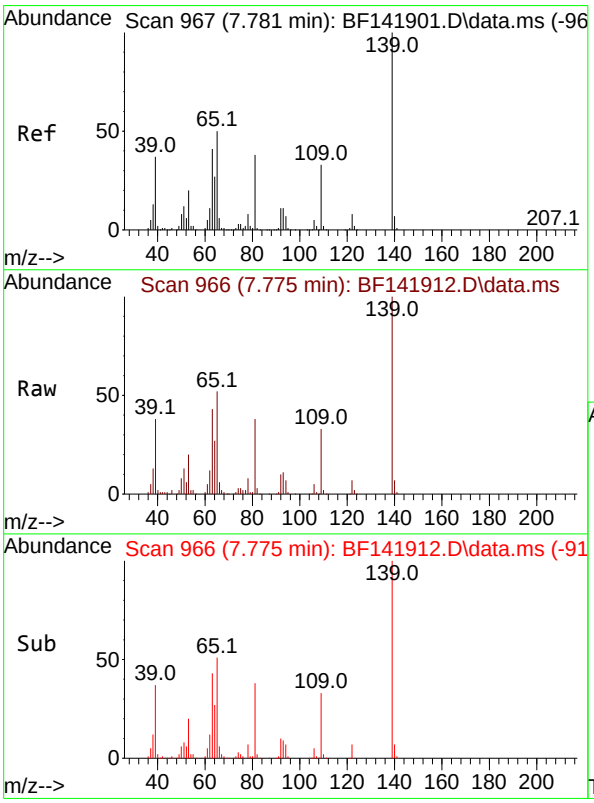
Instrument :
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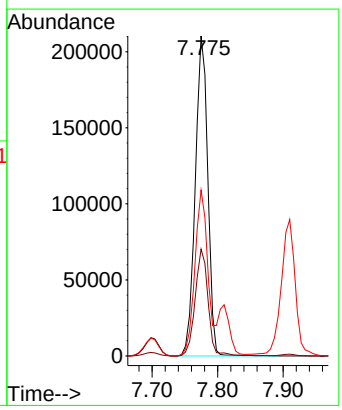
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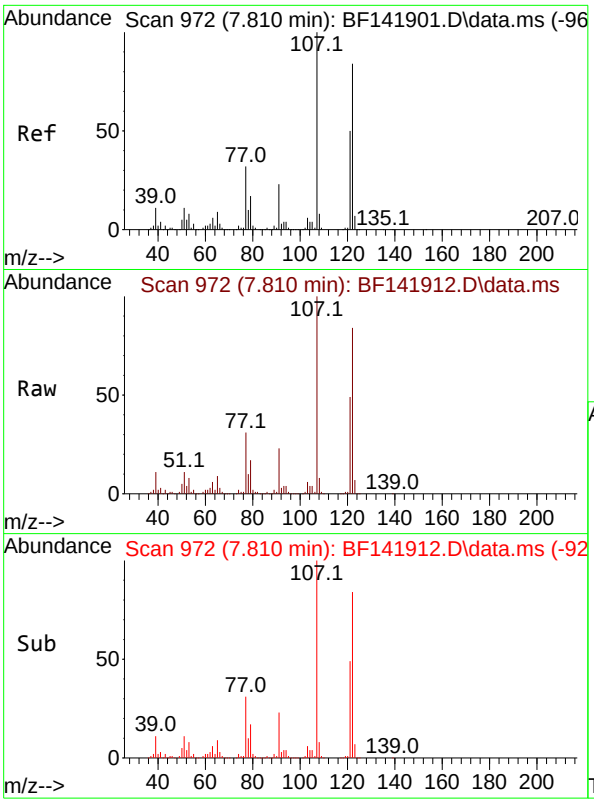


#26
2-Nitrophenol
Concen: 43.176 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:139 Resp: 280000

Ion	Ratio	Lower	Upper
139	100		
109	33.4	26.5	39.7
65	51.8	40.3	60.5

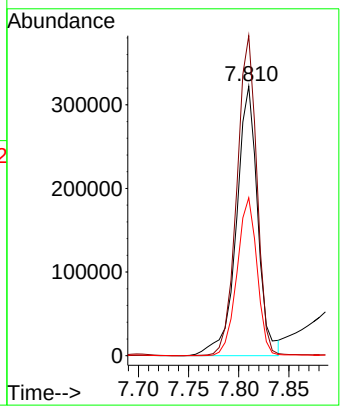




#27
2,4-Dimethylphenol
Concen: 53.443 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:122 Resp: 47722

Ion	Ratio	Lower	Upper
122	100		
107	118.8	94.8	142.2
121	58.6	47.8	71.6



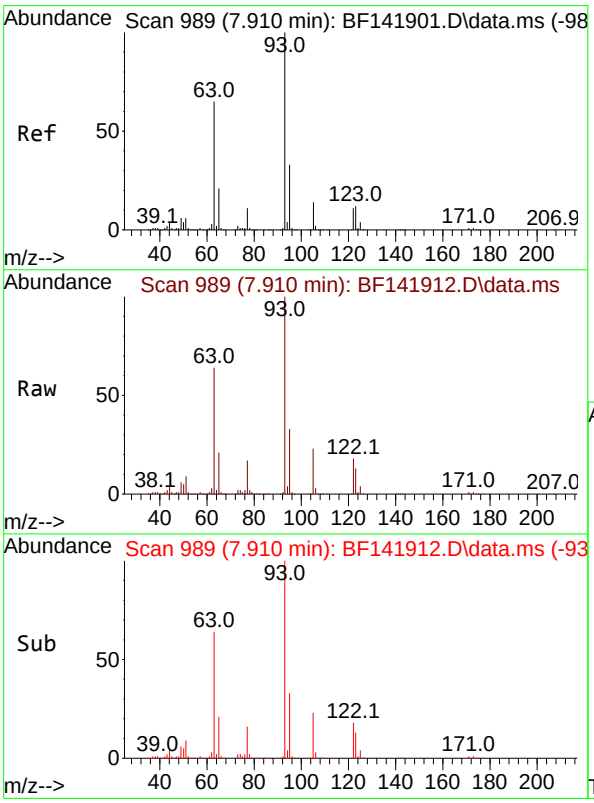
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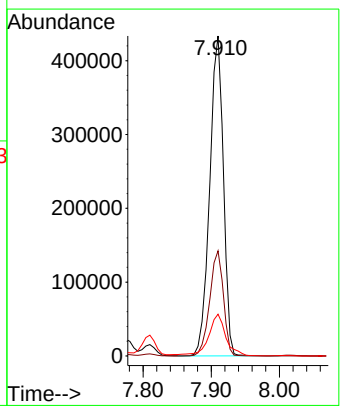
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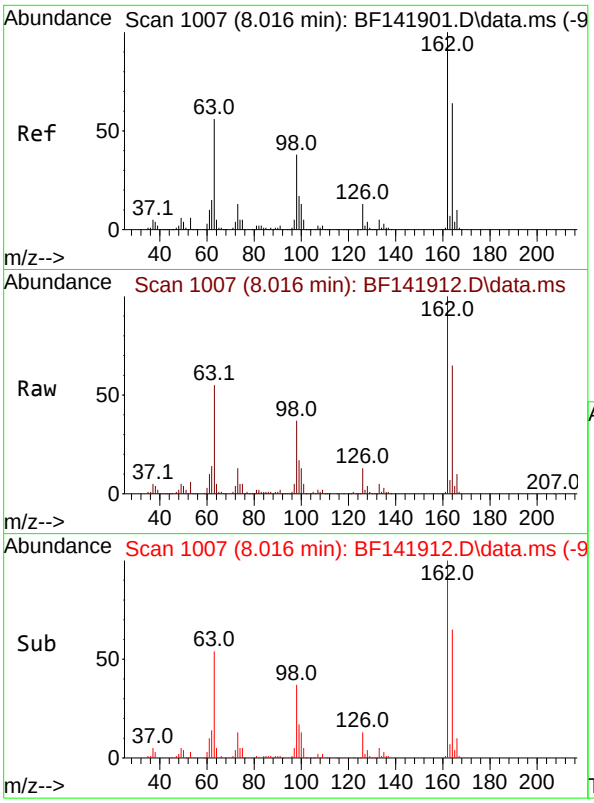


#28
bis(2-Chloroethoxy)methane
Concen: 41.111 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion: 93 Resp: 605810

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.6	40.0
123	13.0	10.2	15.4

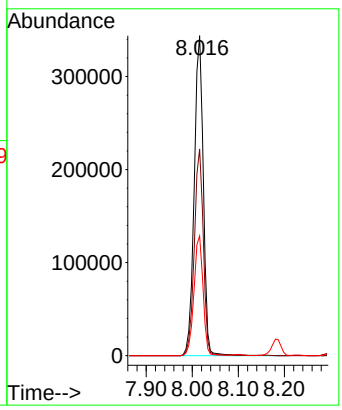




#29
2,4-Dichlorophenol
Concen: 42.455 ng
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:162 Resp: 47056

Ion	Ratio	Lower	Upper
162	100		
164	64.6	43.8	83.8
98	37.4	18.1	58.1



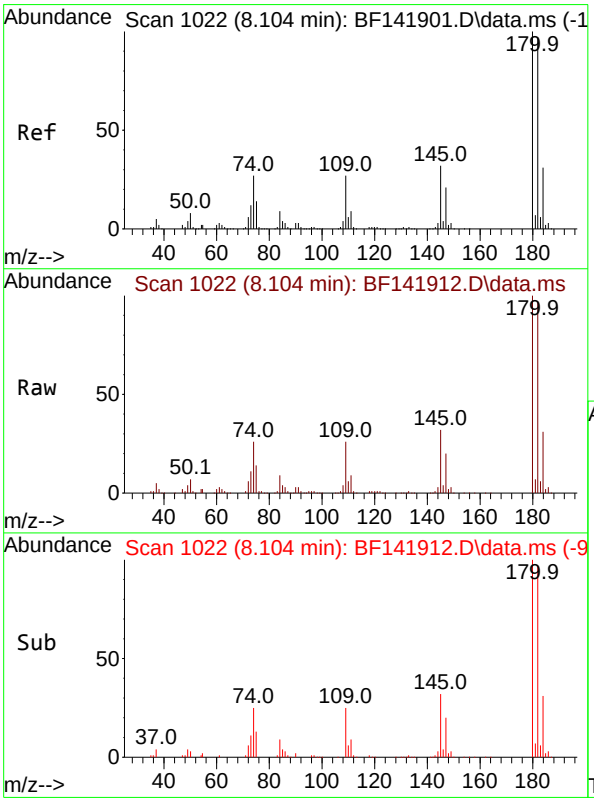
Instrument :
BNA_F
ClientSampleId :
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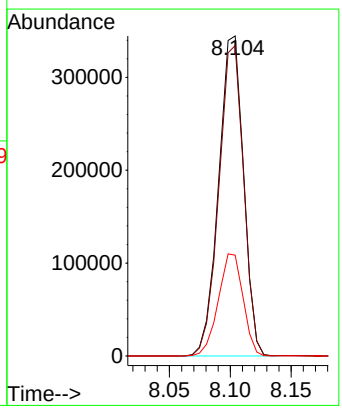
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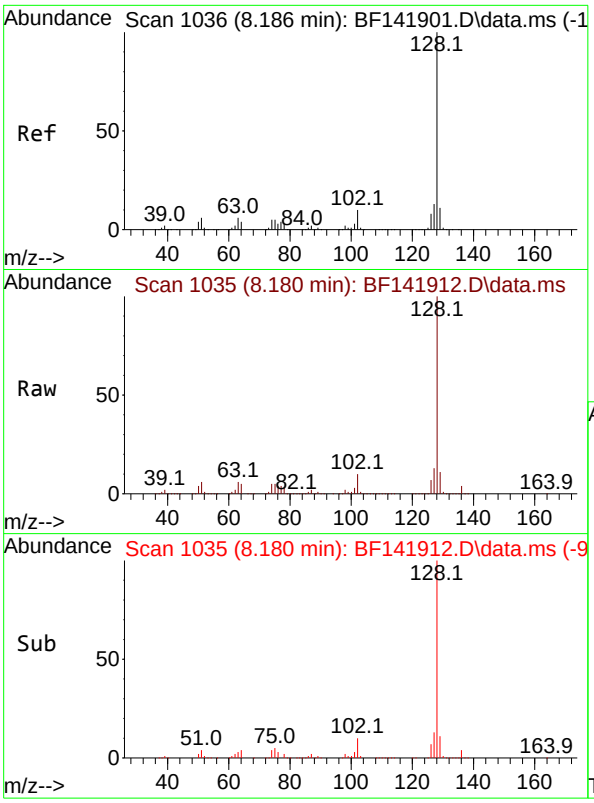


#30
1,2,4-Trichlorobenzene
Concen: 40.188 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:180 Resp: 490890

Ion	Ratio	Lower	Upper
180	100		
182	97.0	77.5	116.3
145	31.5	25.8	38.6

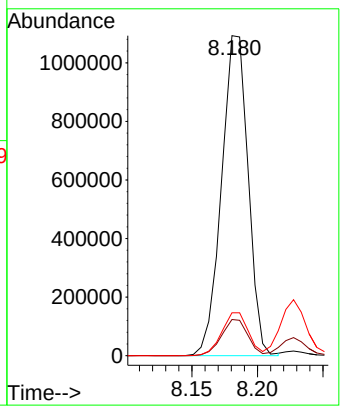




#31
Naphthalene
Concen: 40.163 ng
RT: 8.180 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:128 Resp: 154319

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	13.4	10.8	16.2



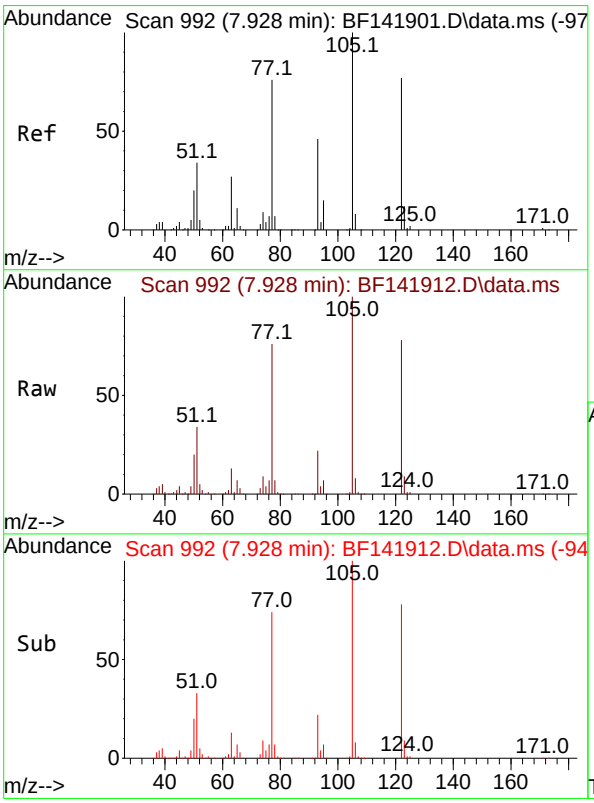
Instrument :
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ClientSampleId :
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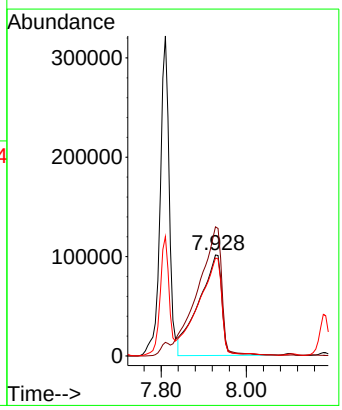
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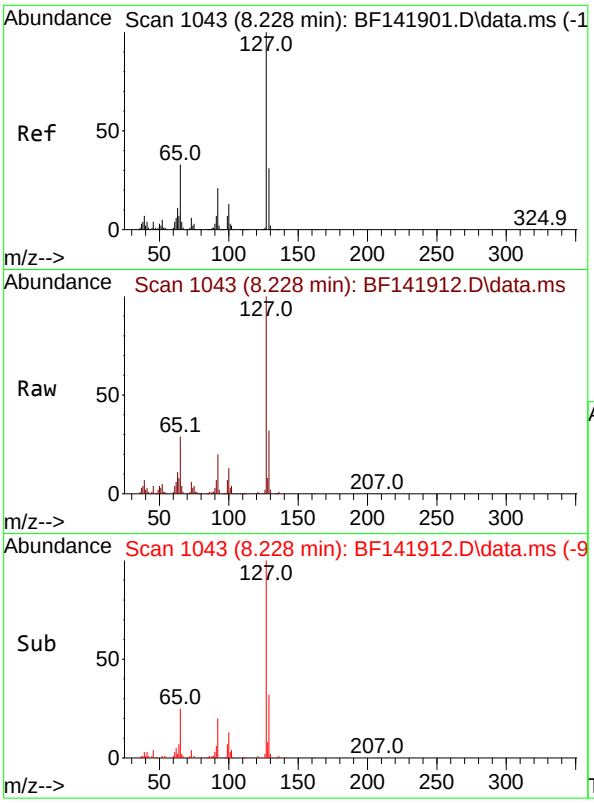


#32
Benzoic acid
Concen: 48.517 ng
RT: 7.928 min Scan# 992
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:122 Resp: 380831

Ion	Ratio	Lower	Upper
122	100		
105	128.0	107.9	147.9
77	97.1	79.0	119.0

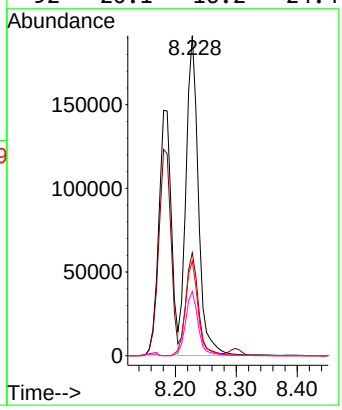




#33
4-Chloroaniline
Concen: 19.880 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:127 Resp: 26964

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.2	39.4
65	29.5	25.4	38.2
92	20.1	16.2	24.4



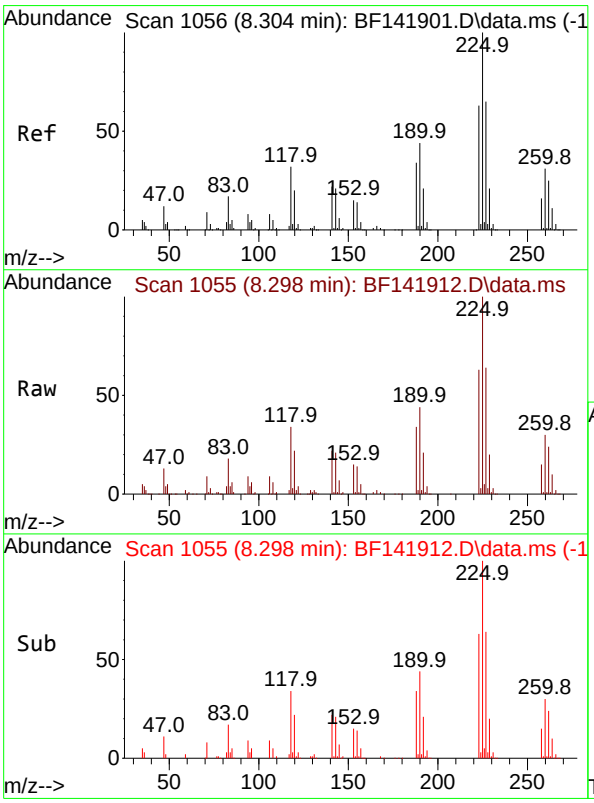
Instrument :
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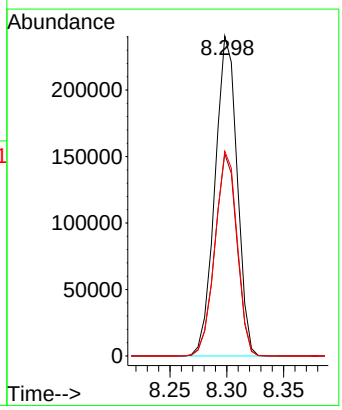
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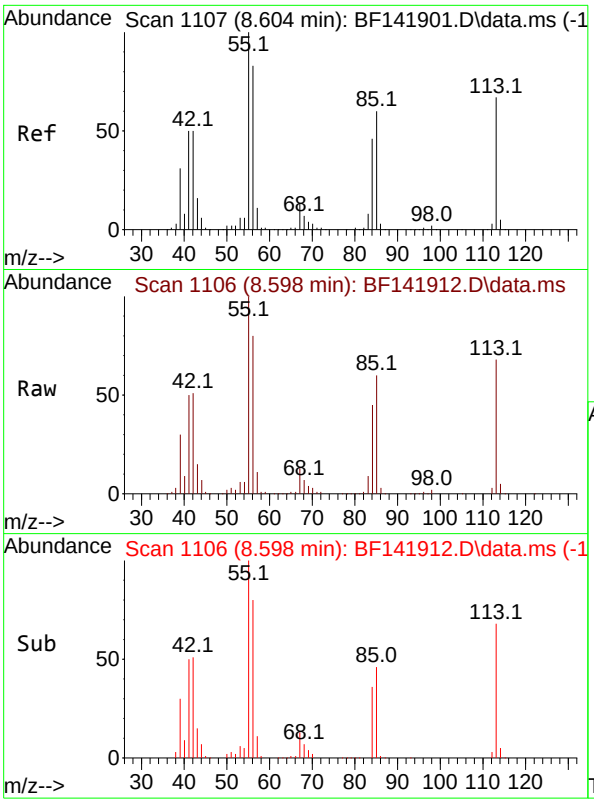


#34
Hexachlorobutadiene
Concen: 40.938 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:225 Resp: 326107

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	75.8
227	64.0	52.2	78.2

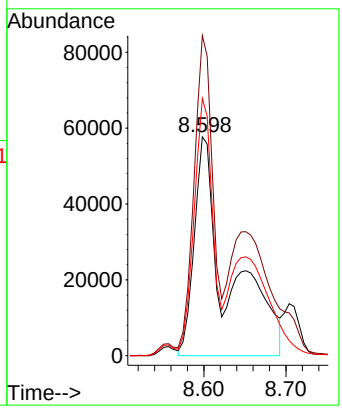




#35
Caprolactam
Concen: 48.429 ng m
RT: 8.598 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:113 Resp: 16365

Ion	Ratio	Lower	Upper
113	100		
55	146.1	129.6	169.6
56	117.5	104.0	144.0



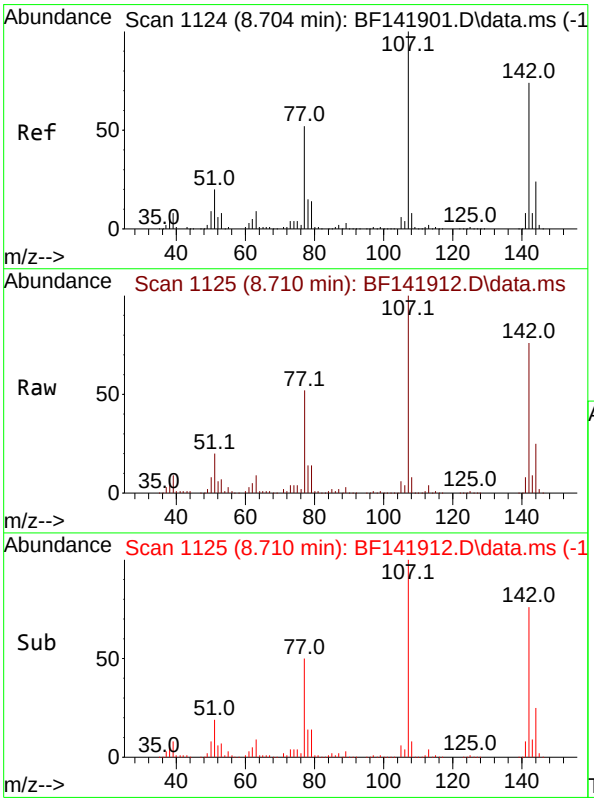
Instrument :
BNA_F
ClientSampleId :
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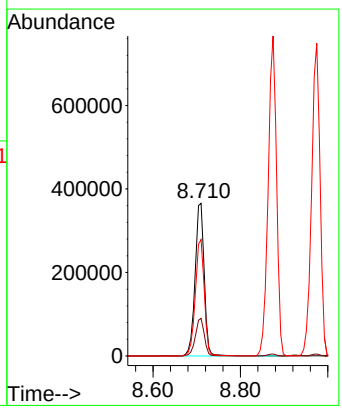
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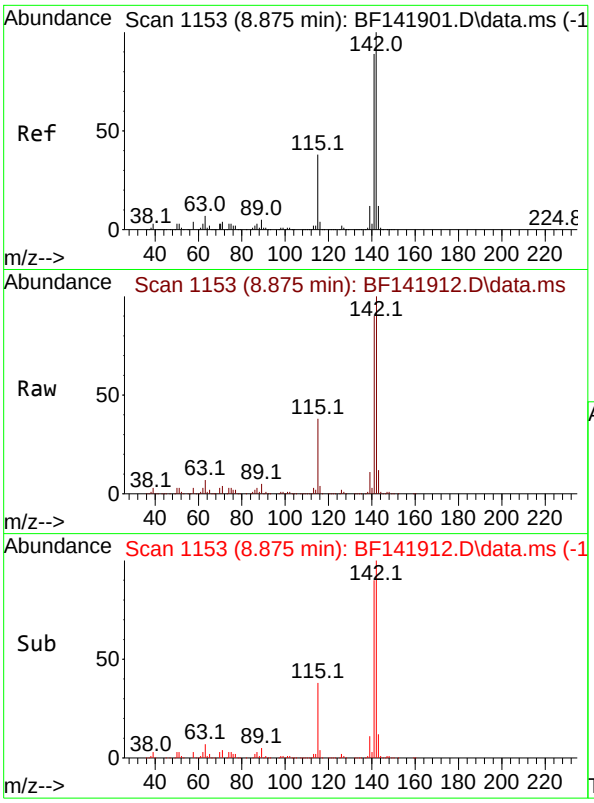


#36
4-Chloro-3-methylphenol
Concen: 42.909 ng
RT: 8.710 min Scan# 1125
Delta R.T. 0.006 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:107 Resp: 530526

Ion	Ratio	Lower	Upper
107	100		
144	24.6	19.0	28.6
142	76.3	59.2	88.8

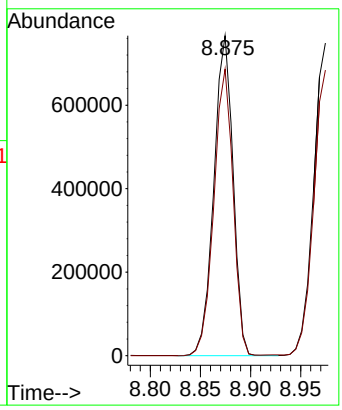




#37
2-Methylnaphthalene
Concen: 39.664 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:142 Resp: 101866

Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.2	106.8



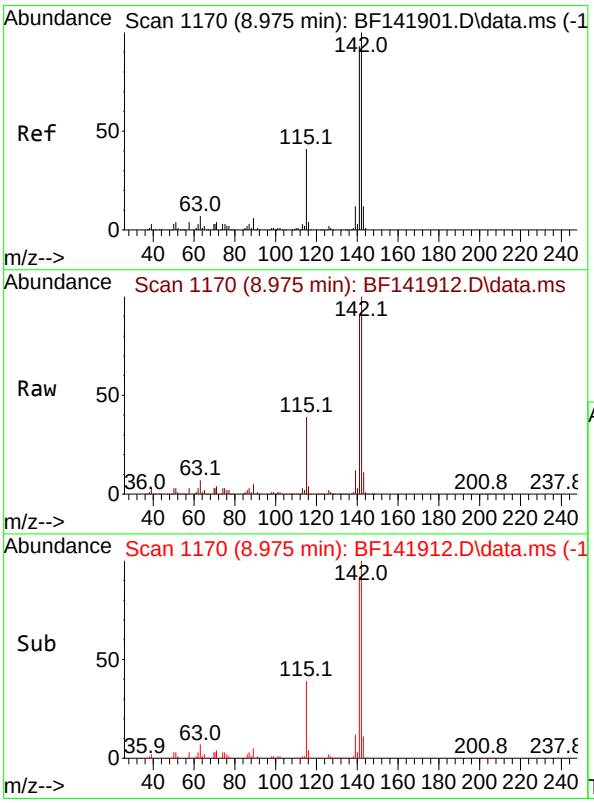
Instrument :
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ClientSampleId :
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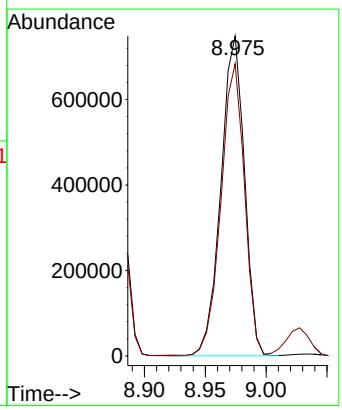
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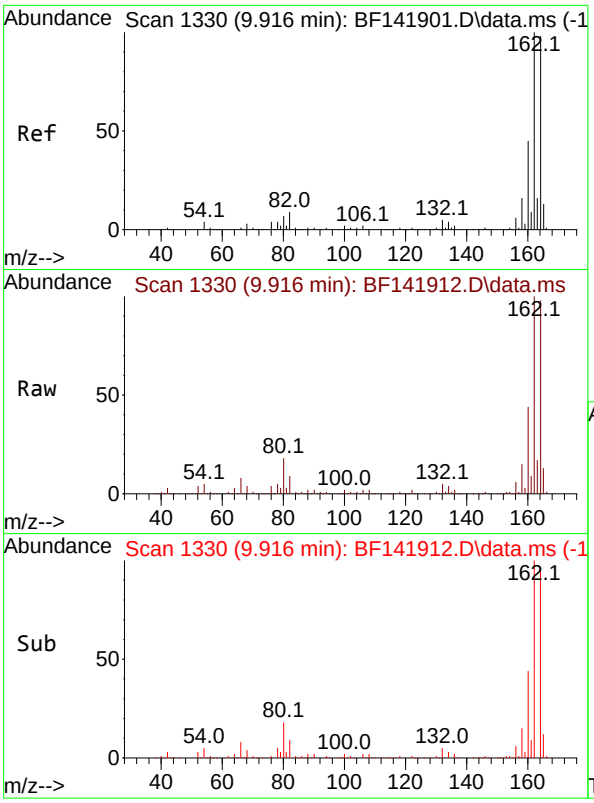


#38
1-Methylnaphthalene
Concen: 40.630 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:142 Resp: 1006929

Ion	Ratio	Lower	Upper
142	100		
141	91.4	74.2	111.4

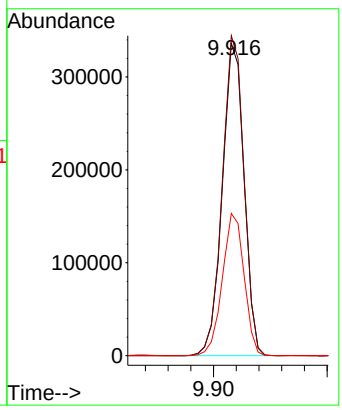




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:164 Resp: 44683

Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.8	122.6
160	45.5	36.7	55.1



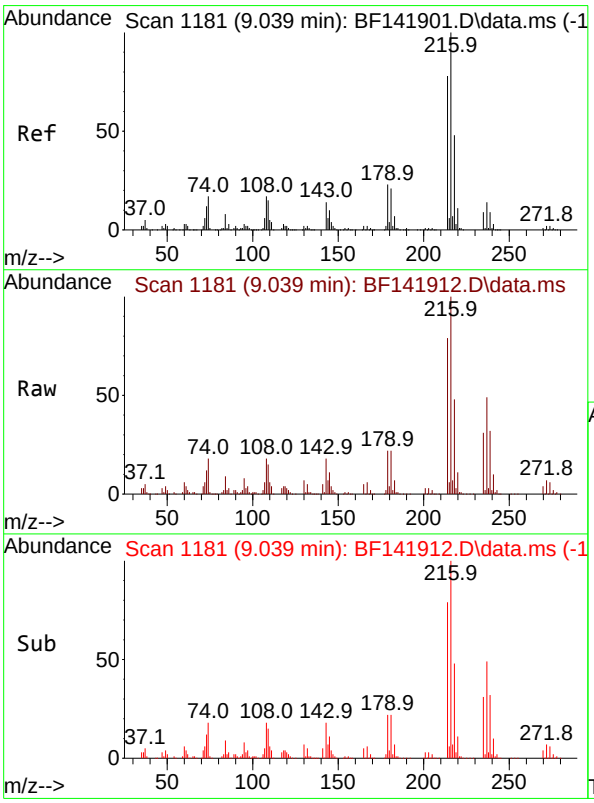
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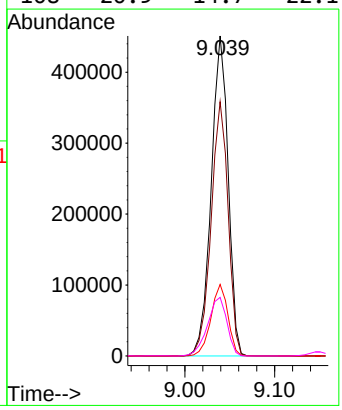
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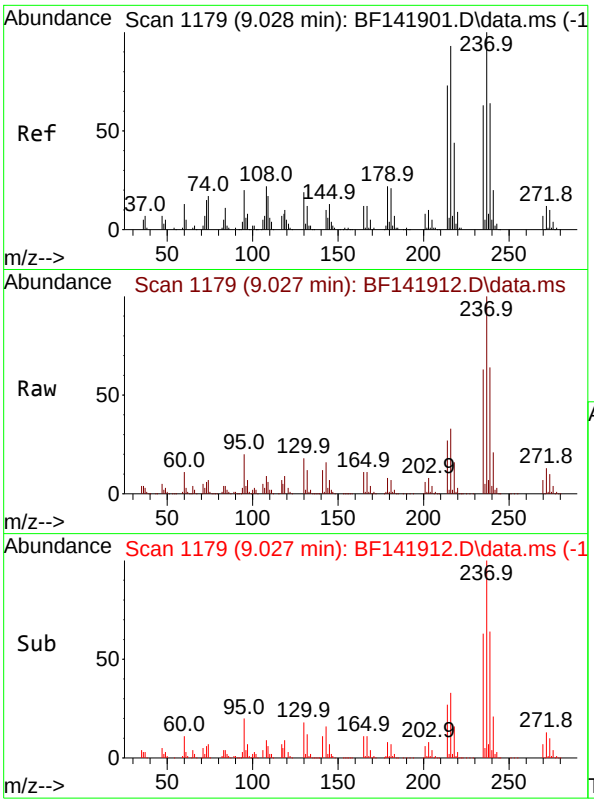


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.576 ng
RT: 9.039 min Scan# 1181
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:216 Resp: 592823

Ion	Ratio	Lower	Upper
216	100		
214	79.6	61.9	92.9
179	22.3	18.1	27.1
108	20.9	14.7	22.1

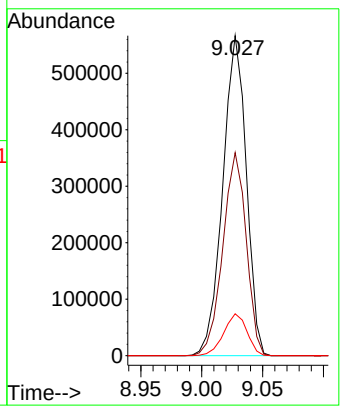




#41
Hexachlorocyclopentadiene
Concen: 142.999 ng
RT: 9.027 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:237 Resp: 76135

Ion	Ratio	Lower	Upper
237	100		
235	63.5	43.1	83.1
272	13.1	0.0	32.0



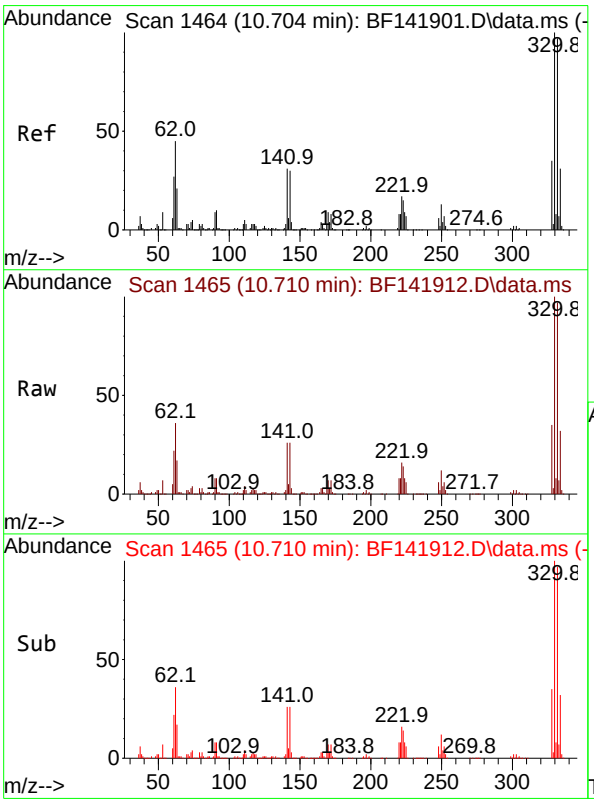
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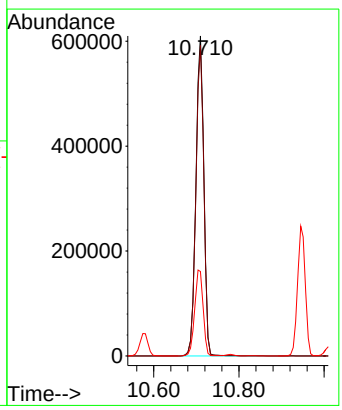
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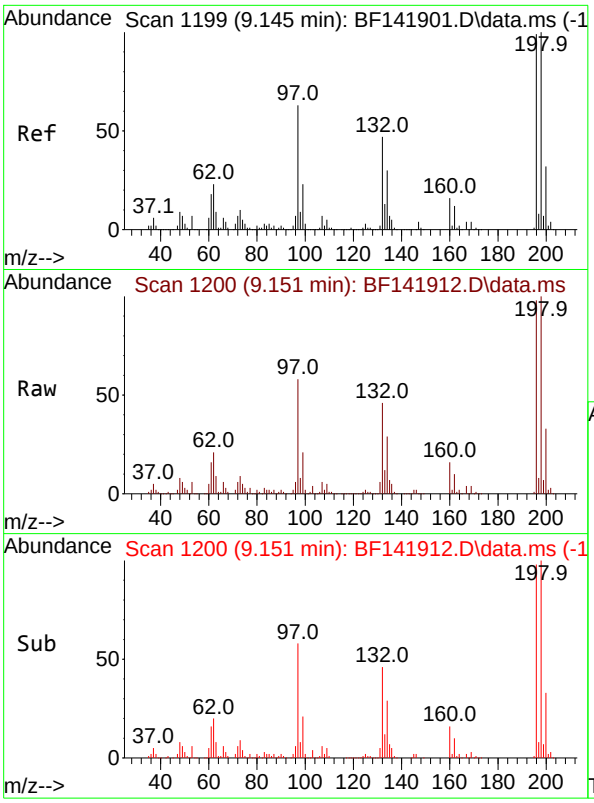


#42
2,4,6-Tribromophenol
Concen: 138.833 ng
RT: 10.710 min Scan# 1465
Delta R.T. 0.006 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:330 Resp: 786997

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.6	116.4
141	28.6	24.7	37.1

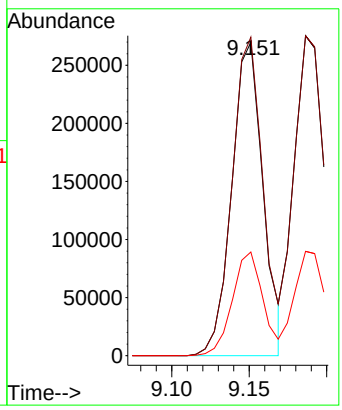




#43
2,4,6-Trichlorophenol
Concen: 42.480 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:196 Resp: 37768

Ion	Ratio	Lower	Upper
196	100		
198	101.6	80.6	121.0
200	33.1	25.8	38.6



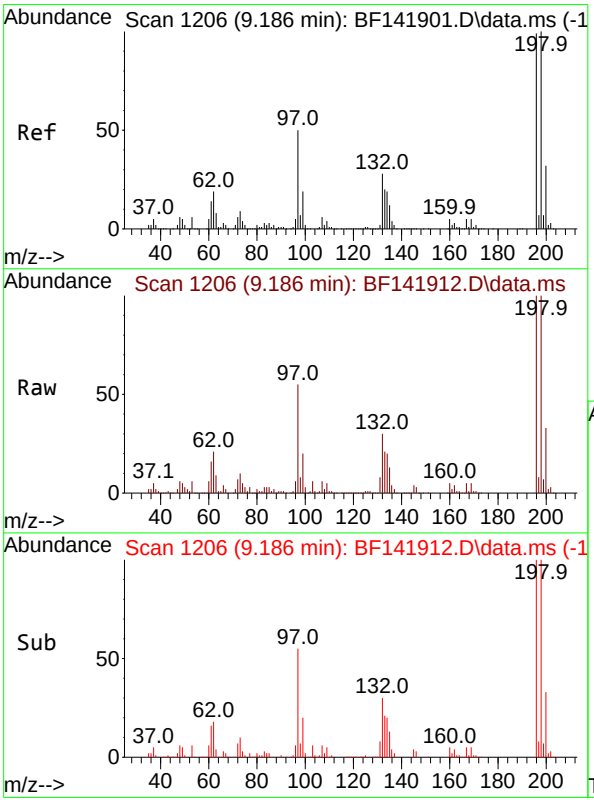
Instrument :
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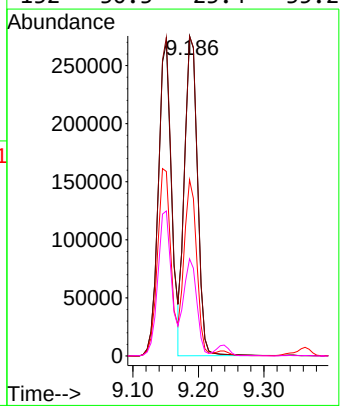
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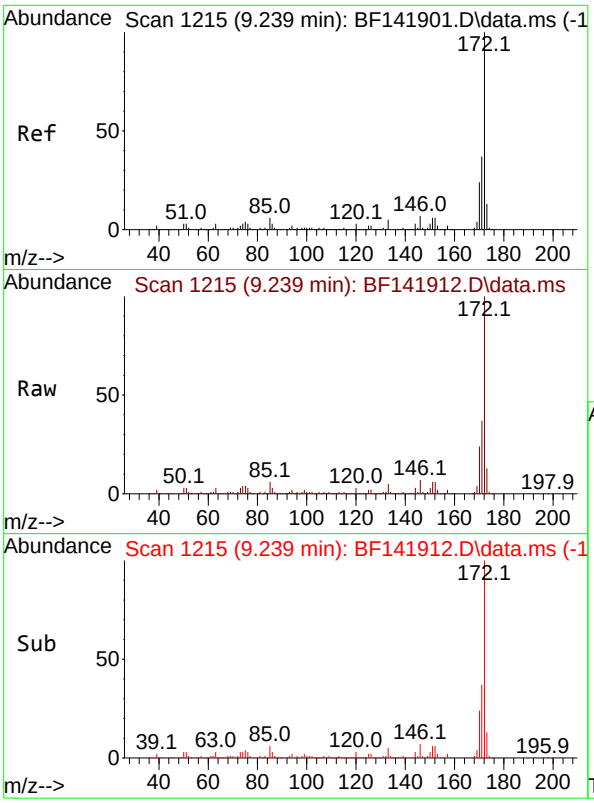


#44
2,4,5-Trichlorophenol
Concen: 42.011 ng
RT: 9.186 min Scan# 1206
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:196 Resp: 378302

Ion	Ratio	Lower	Upper
196	100		
198	100.0	80.7	121.1
97	55.1	42.1	63.1
132	30.3	23.4	35.2

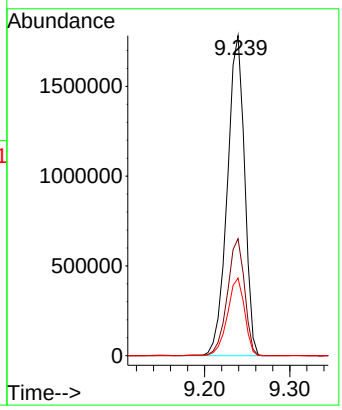




#45
2-Fluorobiphenyl
Concen: 85.401 ng
RT: 9.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:172 Resp: 250920

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.3	43.9
170	24.2	19.4	29.0



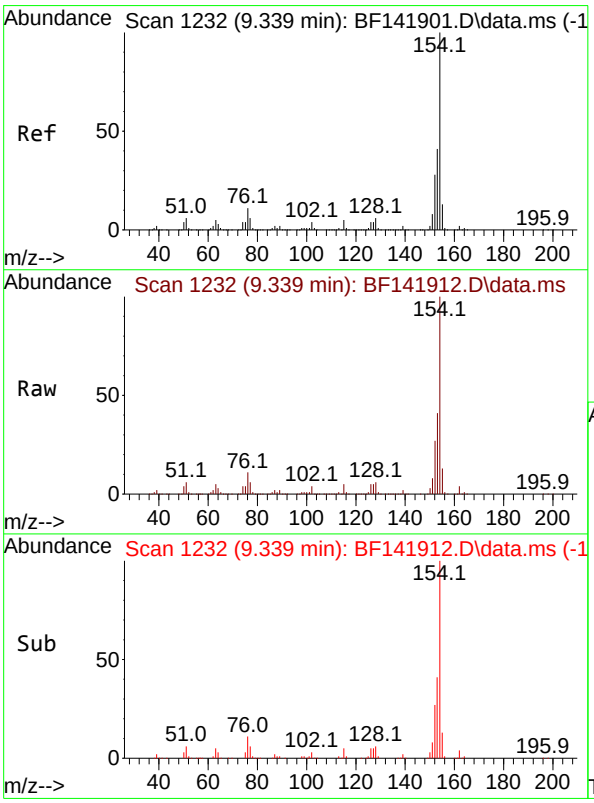
Instrument :
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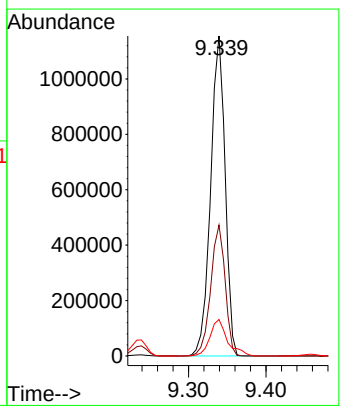
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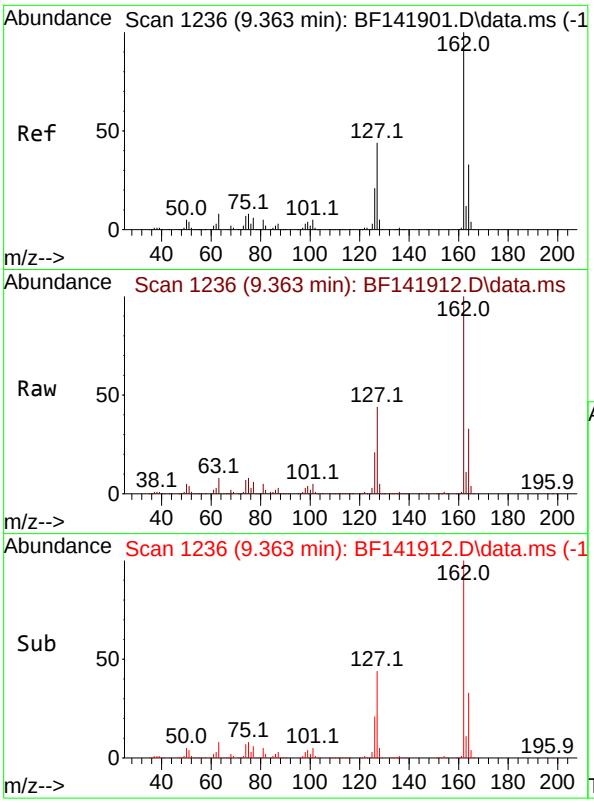


#46
1,1'-Biphenyl
Concen: 44.366 ng
RT: 9.339 min Scan# 1232
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:154 Resp: 1506272

Ion	Ratio	Lower	Upper
154	100		
153	40.9	21.1	61.1
76	11.4	0.0	31.3

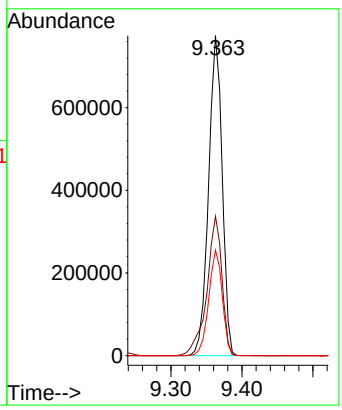




#47
2-Chloronaphthalene
Concen: 40.859 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:162 Resp: 103396

Ion	Ratio	Lower	Upper
162	100		
127	43.6	35.5	53.3
164	33.0	26.6	40.0



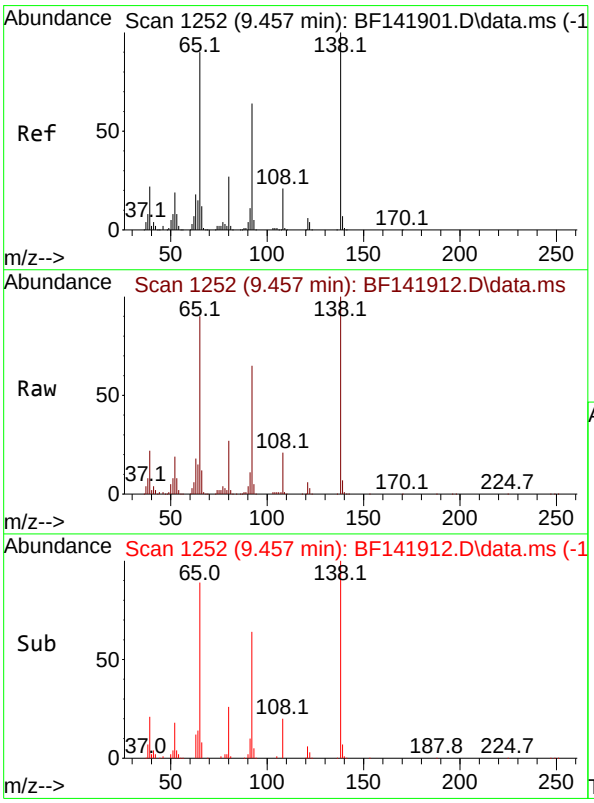
Instrument :
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ClientSampleId :
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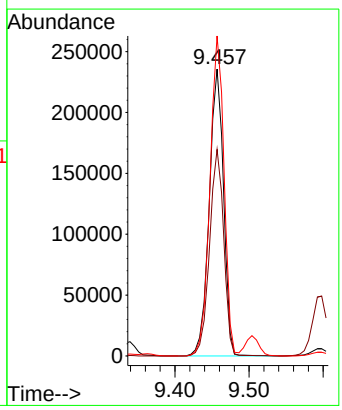
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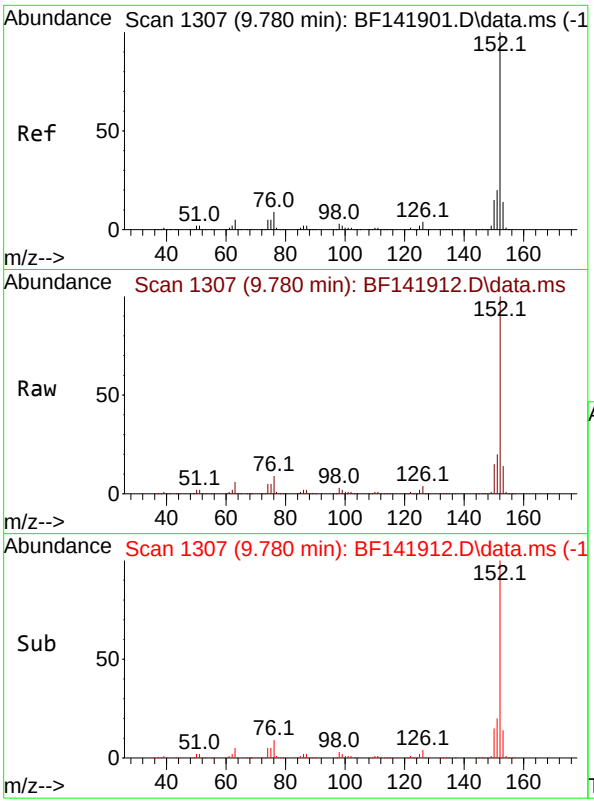


#48
2-Nitroaniline
Concen: 43.086 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion: 65 Resp: 315690

Ion	Ratio	Lower	Upper
65	100		
92	72.0	56.6	84.8
138	111.5	88.6	133.0

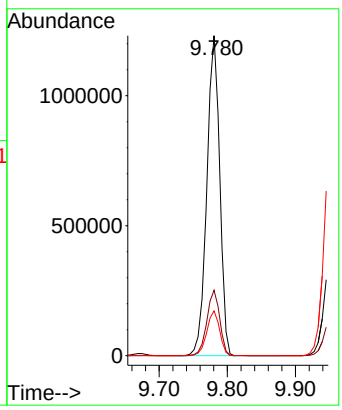




#49
Acenaphthylene
Concen: 43.015 ng
RT: 9.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:152 Resp: 161532

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.3	24.5
153	14.0	11.1	16.7



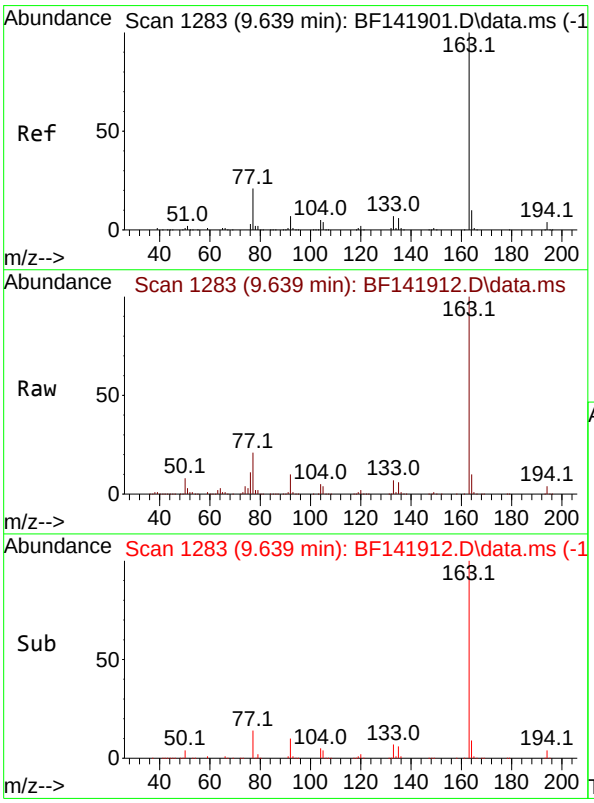
Instrument :
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ClientSampleId :
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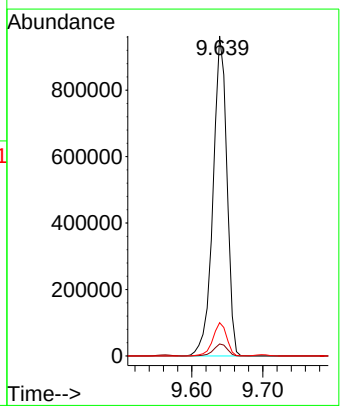
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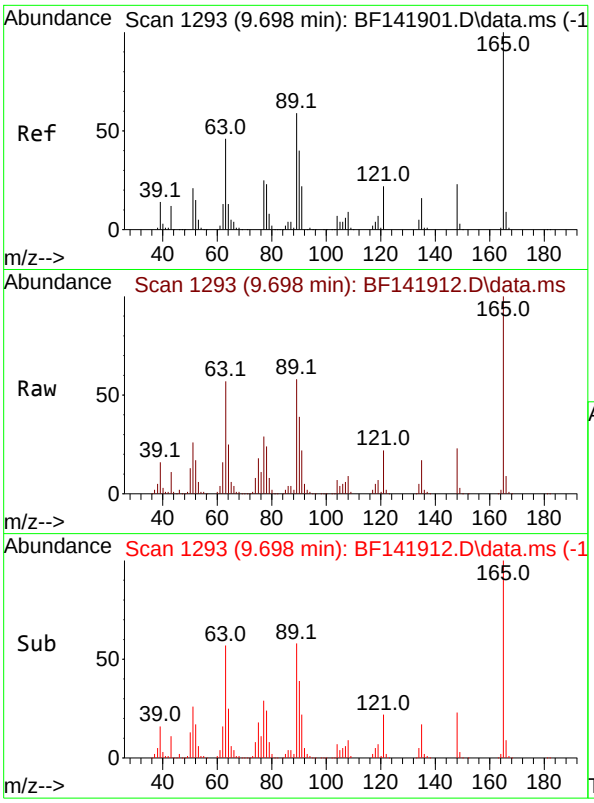


#50
Dimethylphthalate
Concen: 41.684 ng
RT: 9.639 min Scan# 1283
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:163 Resp: 1304333

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.4	8.2	12.4

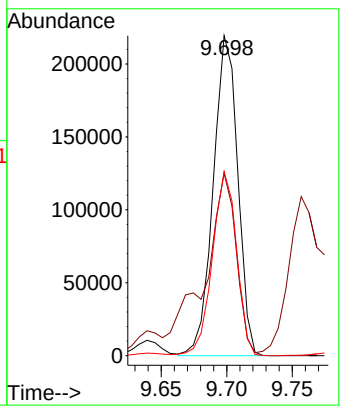




#51
2,6-Dinitrotoluene
Concen: 43.702 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:165 Resp: 28472

Ion	Ratio	Lower	Upper
165	100		
63	56.9	47.0	70.4
89	57.6	47.4	71.2



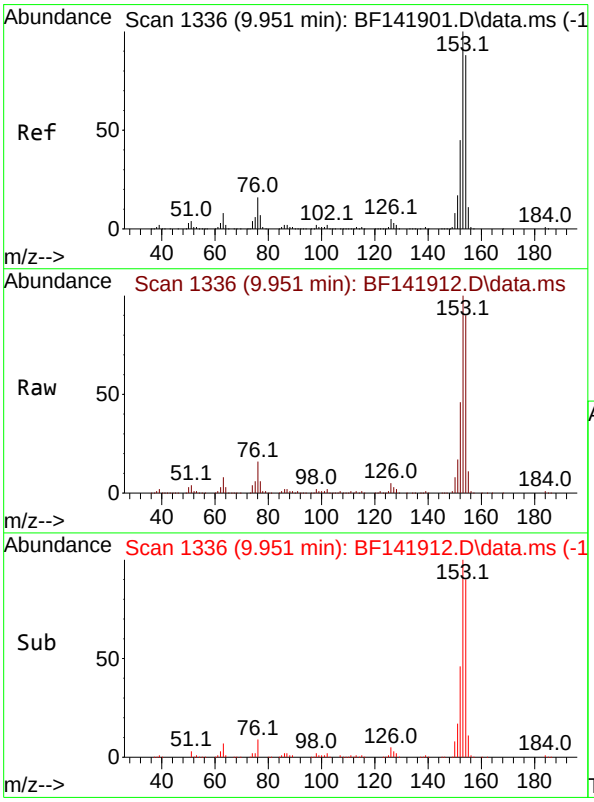
Instrument :
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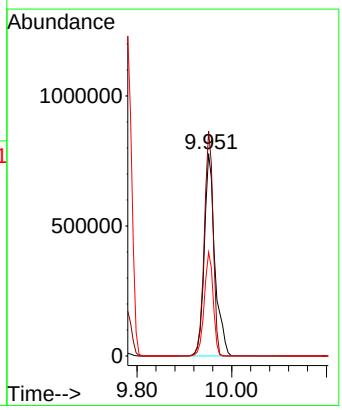
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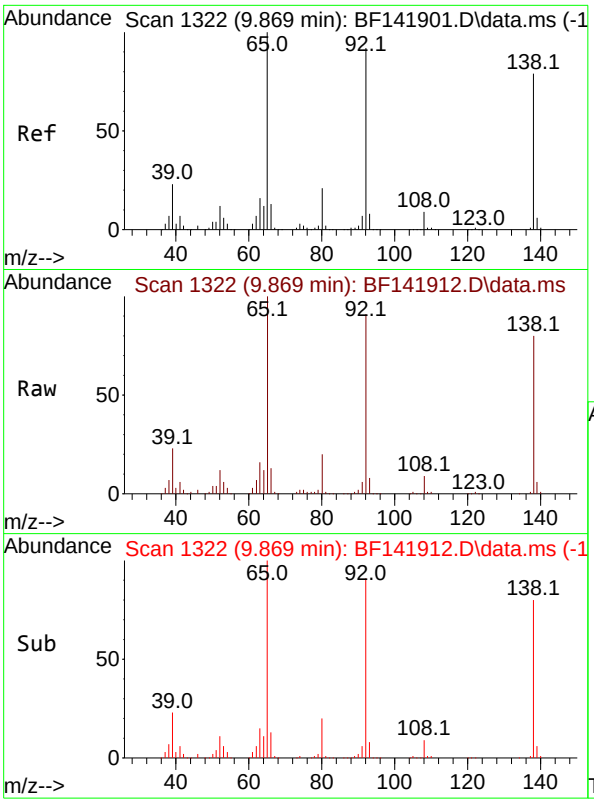


#52
Acenaphthene
Concen: 45.880 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:154 Resp: 1210769

Ion	Ratio	Lower	Upper
154	100		
153	111.2	90.7	136.1
152	51.3	41.1	61.7

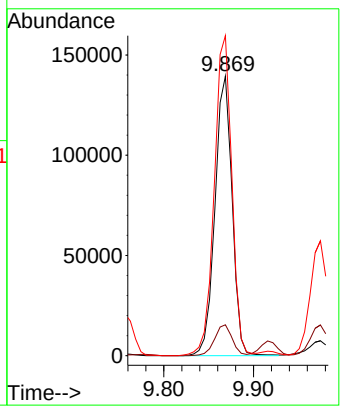




#53
3-Nitroaniline
Concen: 28.055 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:138 Resp: 18540

Ion	Ratio	Lower	Upper
138	100		
108	11.1	9.3	13.9
92	114.5	93.5	140.3



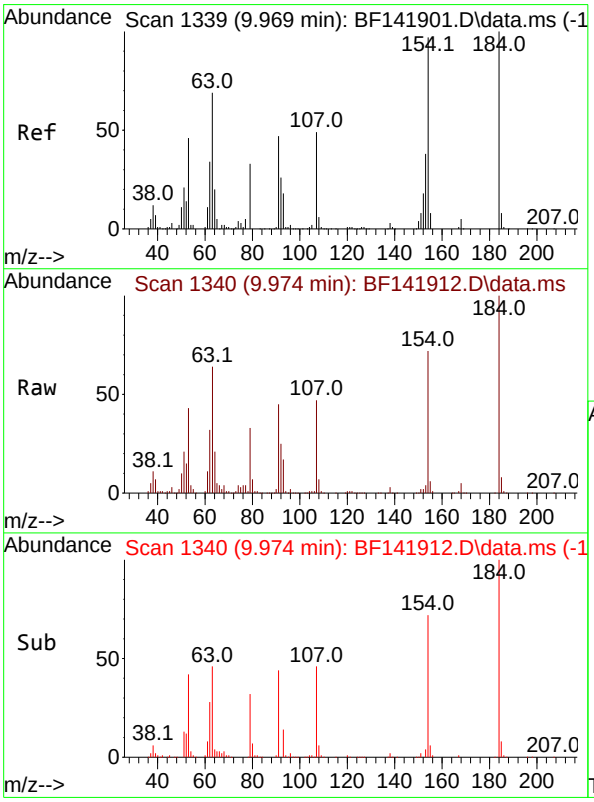
Instrument :
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ClientSampleId :
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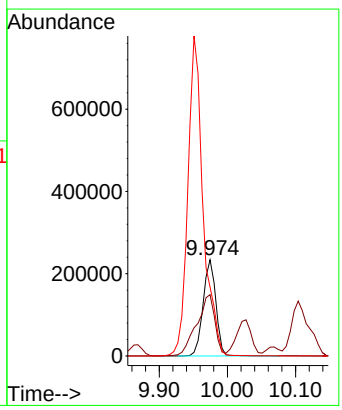
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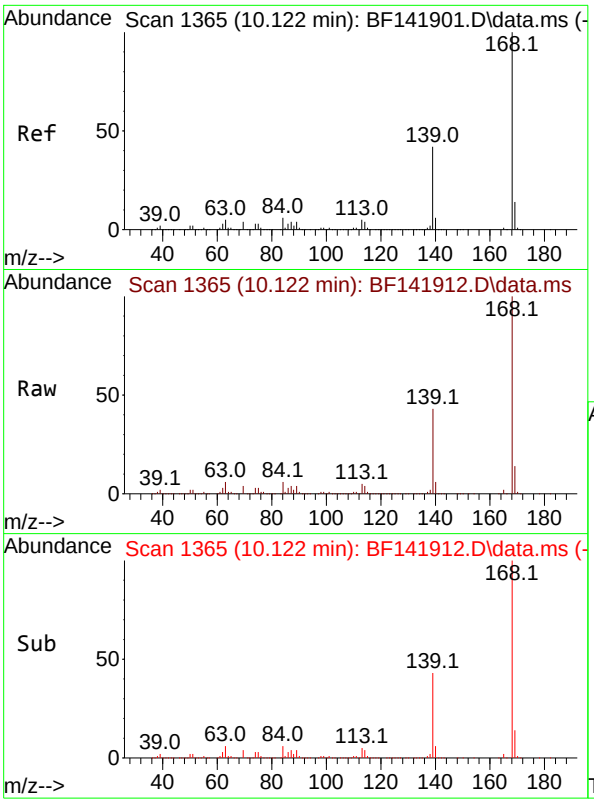


#54
2,4-Dinitrophenol
Concen: 82.304 ng
RT: 9.974 min Scan# 1340
Delta R.T. 0.005 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:184 Resp: 305424

Ion	Ratio	Lower	Upper
184	100		
63	63.8	60.2	90.4
154	71.7	132.9	199.3#

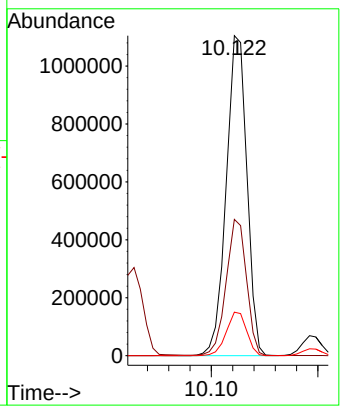




#55
Dibenzofuran
Concen: 39.581 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:168 Resp: 149252

Ion	Ratio	Lower	Upper
168	100		
139	42.6	33.9	50.9
169	13.6	11.0	16.4



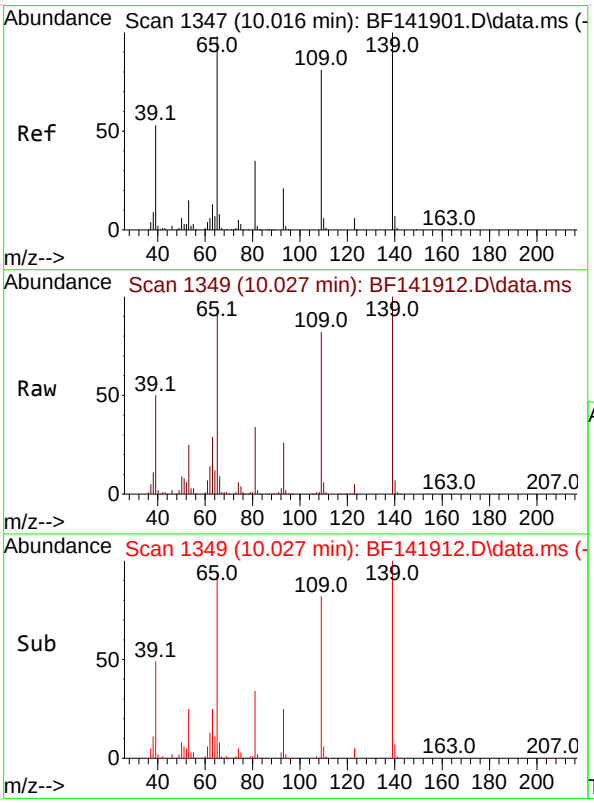
Instrument :
BNA_F
ClientSampleId :
PB167012BS

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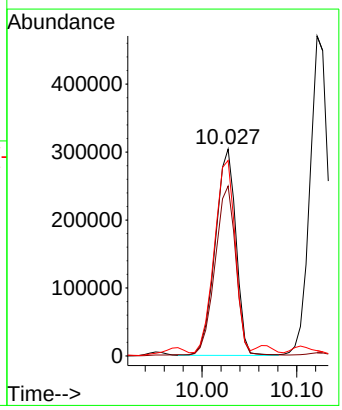
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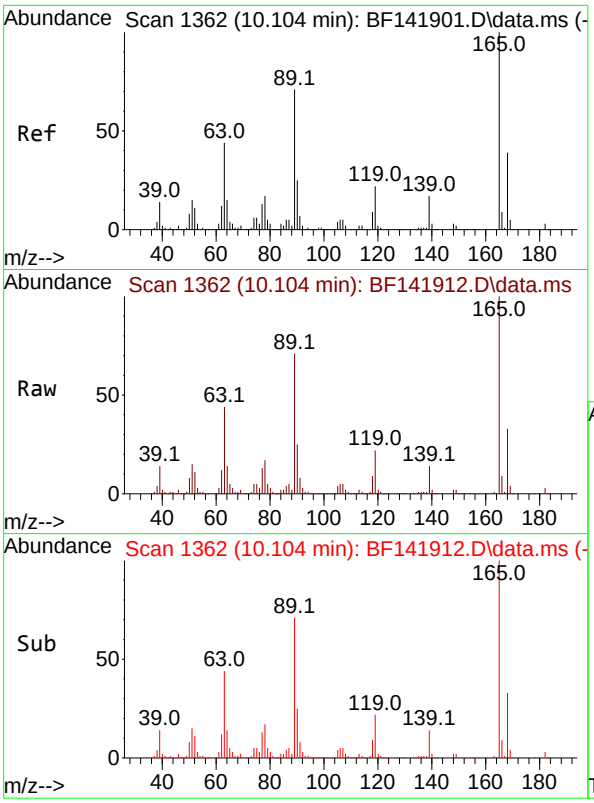


#56
4-Nitrophenol
Concen: 92.685 ng
RT: 10.027 min Scan# 1349
Delta R.T. 0.012 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:139 Resp: 461921

Ion	Ratio	Lower	Upper
139	100		
109	82.1	61.6	101.6
65	94.6	79.4	119.4

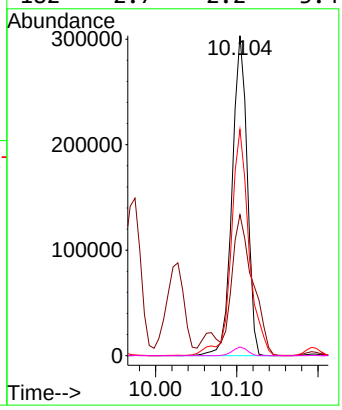




#57
2,4-Dinitrotoluene
Concen: 45.927 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:165 Resp: 39080

Ion	Ratio	Lower	Upper
165	100		
63	44.0	35.4	53.2
89	70.7	56.6	84.8
182	2.7	2.2	3.4



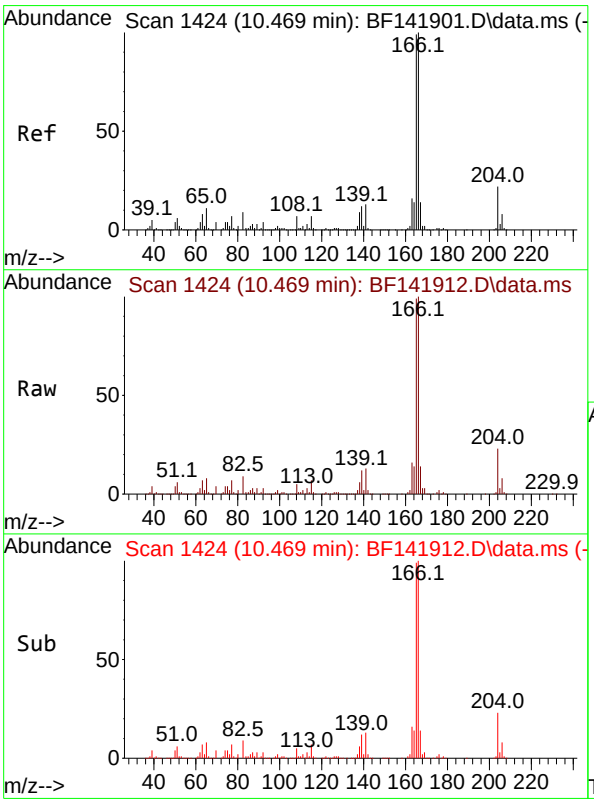
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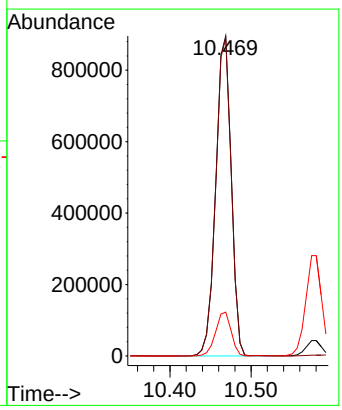
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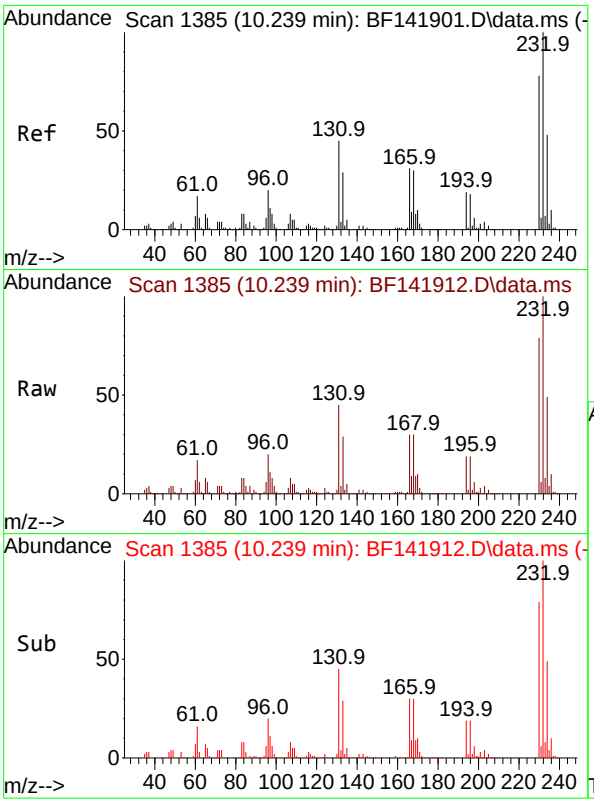


#58
Fluorene
Concen: 40.862 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:166 Resp: 1188252

Ion	Ratio	Lower	Upper
166	100		
165	99.3	79.0	118.4
167	13.7	11.0	16.4

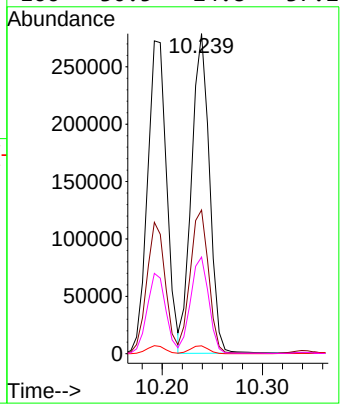




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.232 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:232 Resp: 34604

Ion	Ratio	Lower	Upper
232	100		
131	46.5	37.3	55.9
130	2.5	1.9	2.9
166	30.5	24.8	37.2



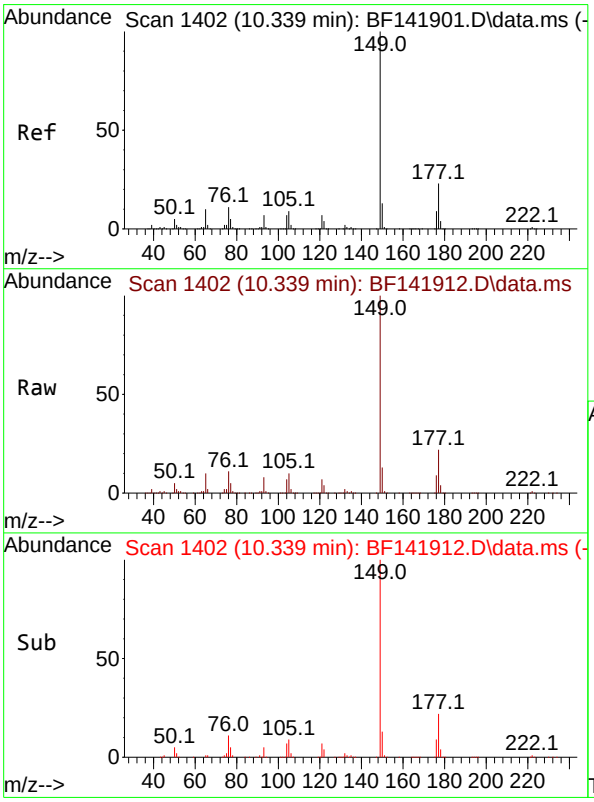
Instrument :
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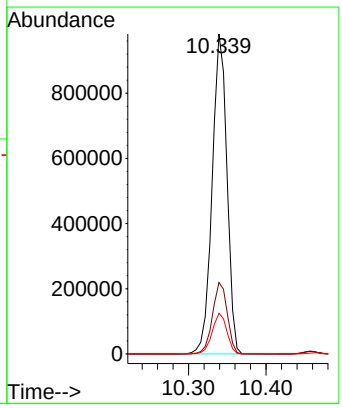
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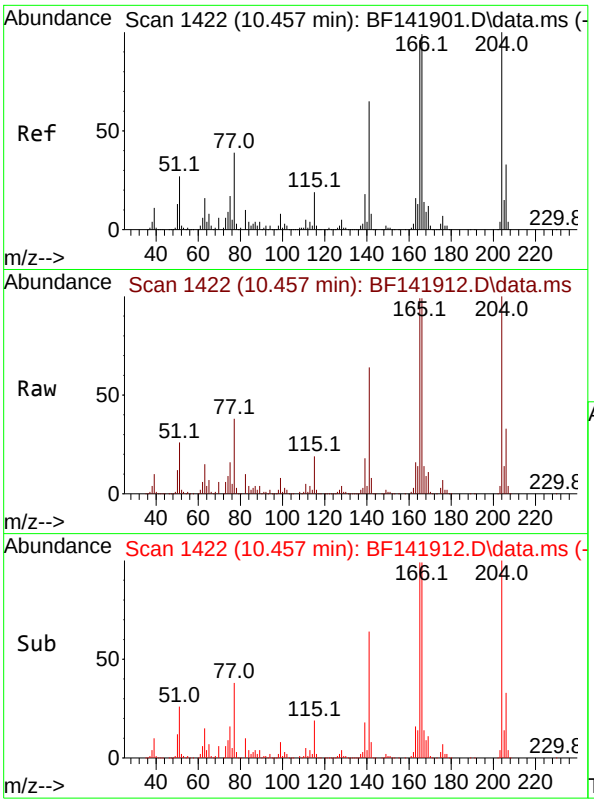


#60
Diethylphthalate
Concen: 41.662 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:149 Resp: 1299882

Ion	Ratio	Lower	Upper
149	100		
177	22.3	18.0	27.0
150	12.7	10.2	15.4

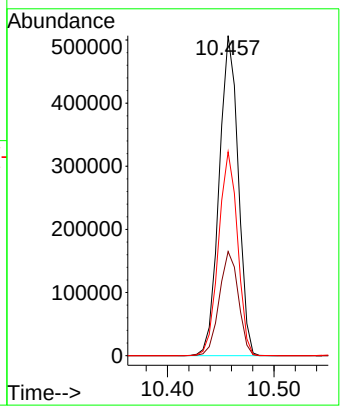




#61
4-Chlorophenyl-phenylether
Concen: 41.535 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:204 Resp: 62969

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.8	40.2
141	63.7	52.4	78.6



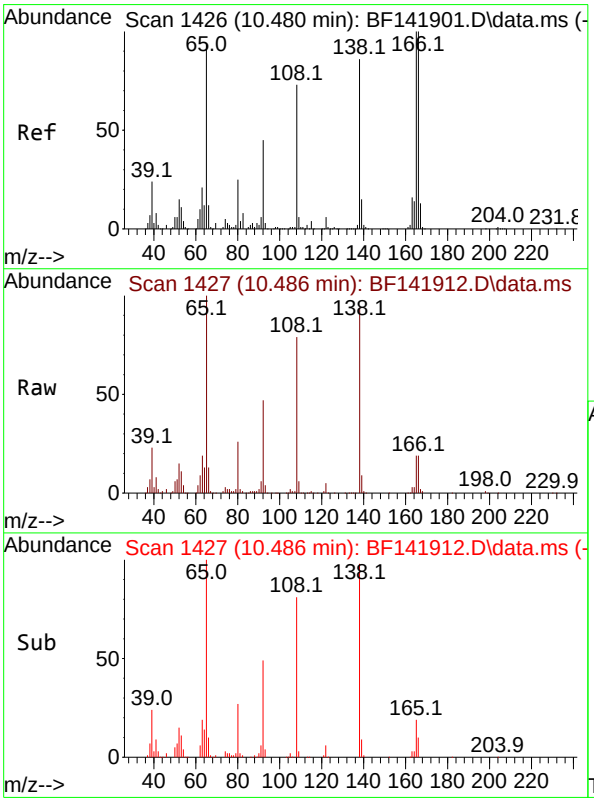
Instrument :
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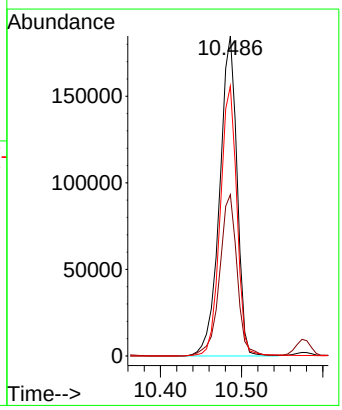
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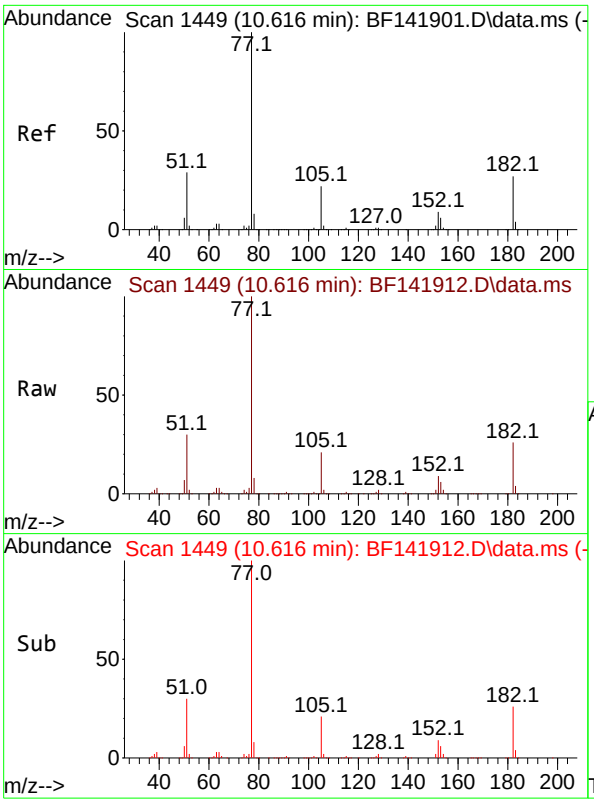


#62
4-Nitroaniline
Concen: 42.878 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:138 Resp: 275869

Ion	Ratio	Lower	Upper
138	100		
92	50.4	32.6	72.6
108	84.3	65.0	105.0

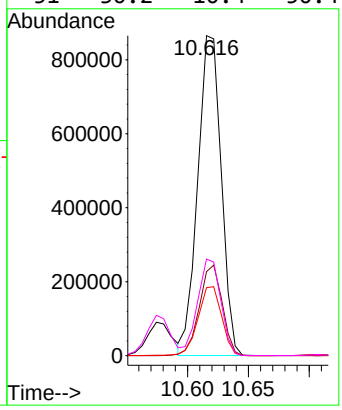




#63
Azobenzene
Concen: 40.080 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion: 77 Resp: 116262

Ion	Ratio	Lower	Upper
77	100		
182	26.3	6.6	46.6
105	21.3	1.3	41.3
51	30.2	10.4	50.4



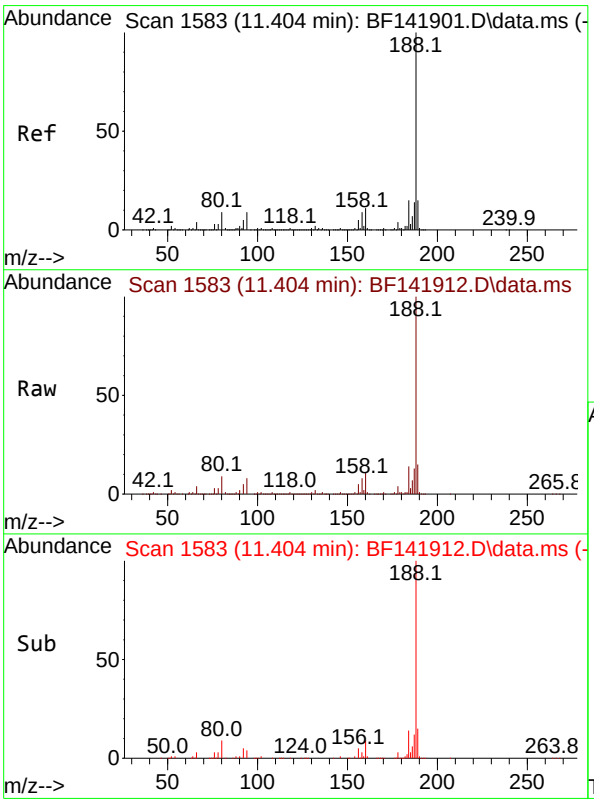
Instrument :
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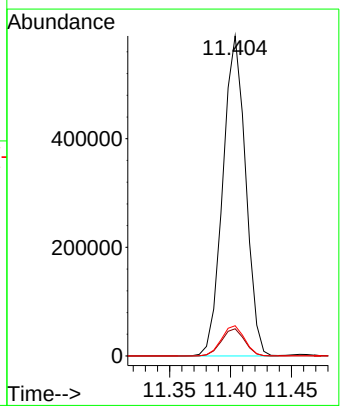
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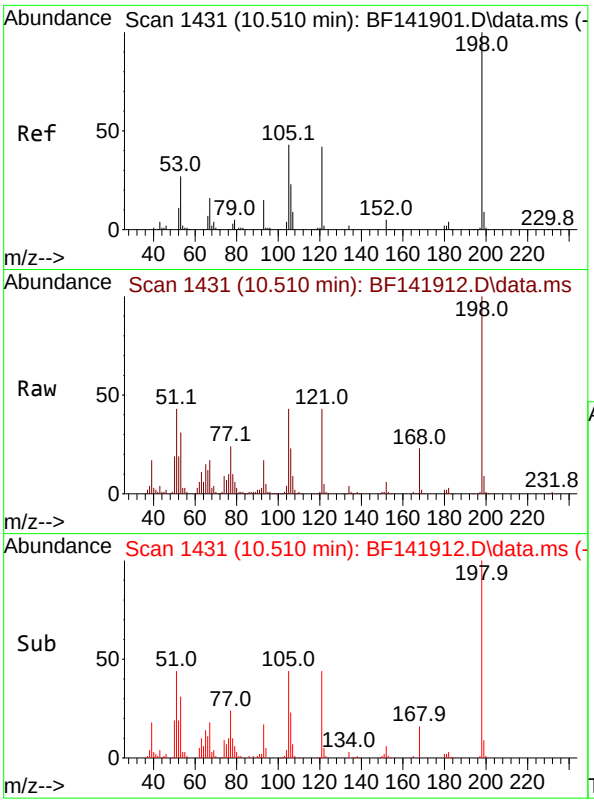


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:188 Resp: 767875

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.8	10.2
80	9.5	7.6	11.4

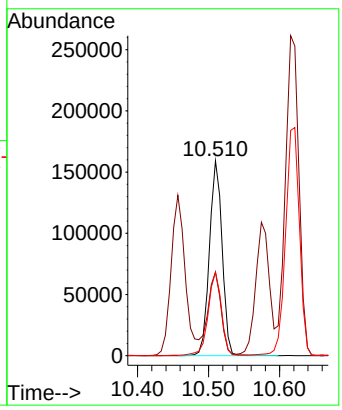




#65
4,6-Dinitro-2-methylphenol
Concen: 43.402 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:198 Resp: 19867

Ion	Ratio	Lower	Upper
198	100		
51	42.9	22.3	62.3
105	42.9	23.0	63.0



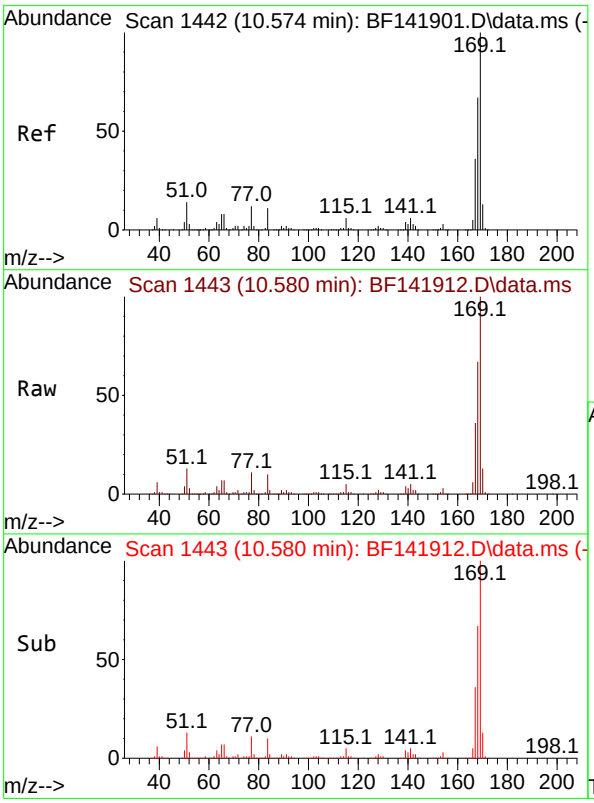
Instrument :
BNA_F
ClientSampleId :
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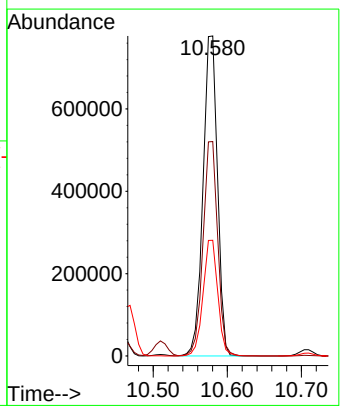
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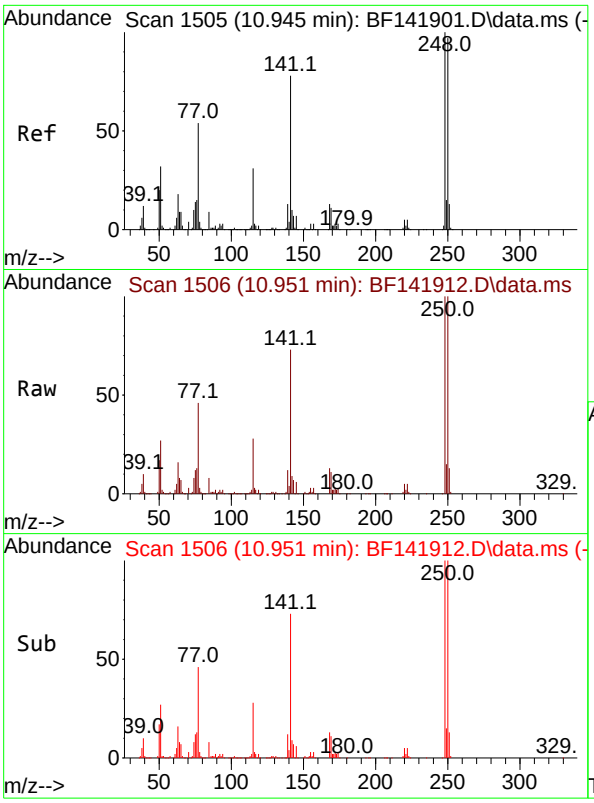


#66
n-Nitrosodiphenylamine
Concen: 42.496 ng
RT: 10.580 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:169 Resp: 1055983

Ion	Ratio	Lower	Upper
169	100		
168	67.0	53.7	80.5
167	36.2	29.2	43.8

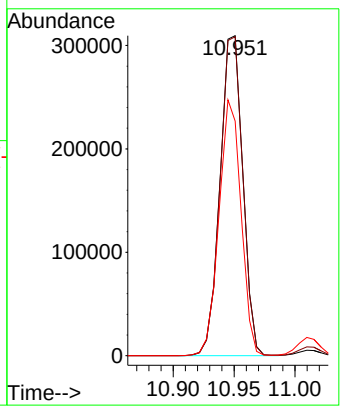




#67
4-Bromophenyl-phenylether
Concen: 41.763 ng
RT: 10.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:248 Resp: 40274

Ion	Ratio	Lower	Upper
248	100		
250	99.6	77.8	116.8
141	73.3	62.6	93.8



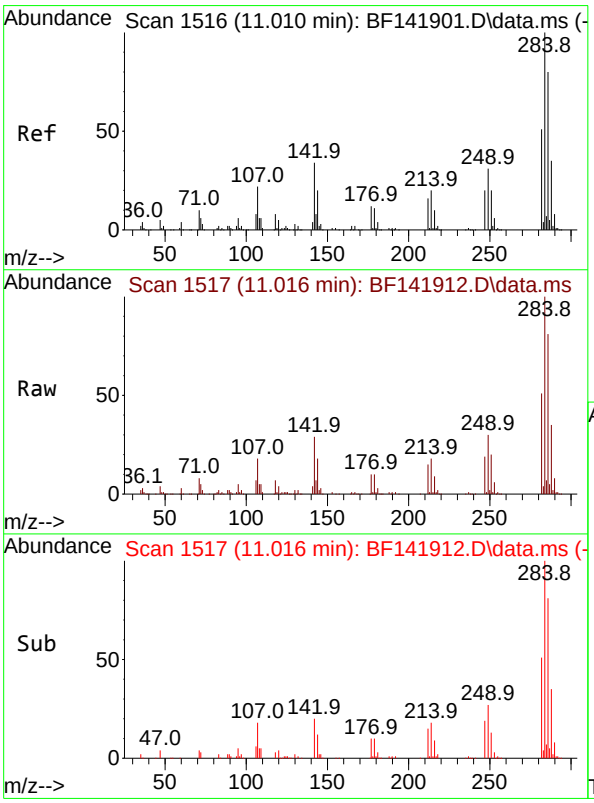
Instrument :
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ClientSampleId :
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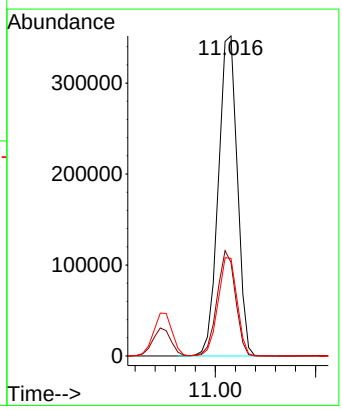
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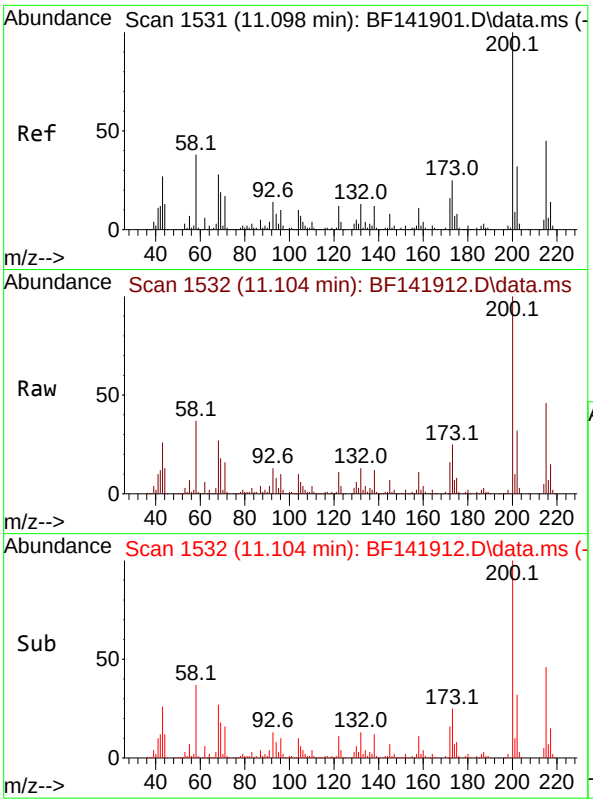


#68
Hexachlorobenzene
Concen: 43.571 ng
RT: 11.016 min Scan# 1517
Delta R.T. 0.006 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:284 Resp: 460847

Ion	Ratio	Lower	Upper
284	100		
142	29.3	27.0	40.6
249	30.5	25.2	37.8

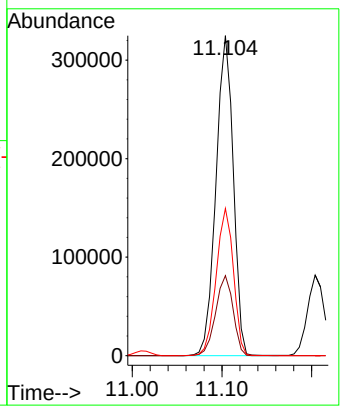




#69
Atrazine
Concen: 57.129 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:200 Resp: 43519

Ion	Ratio	Lower	Upper
200	100		
173	25.0	4.7	44.7
215	46.0	25.4	65.4



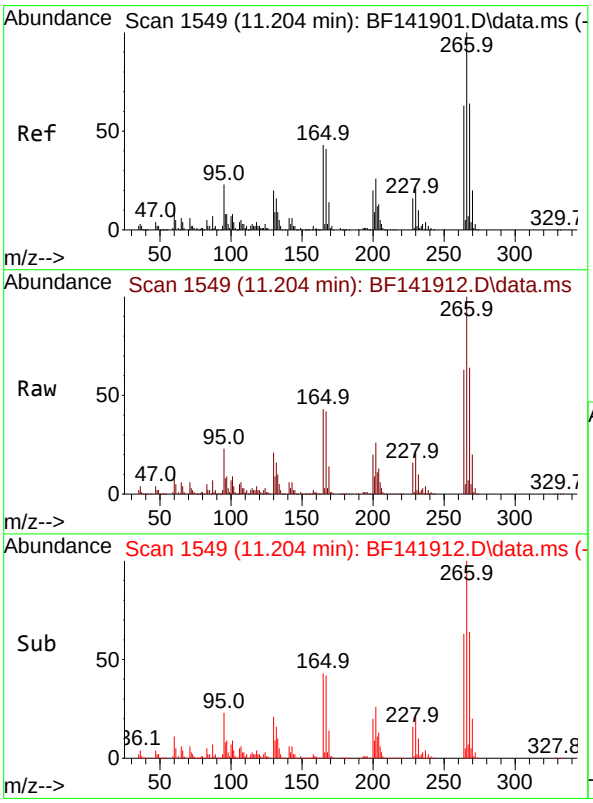
Instrument :
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ClientSampleId :
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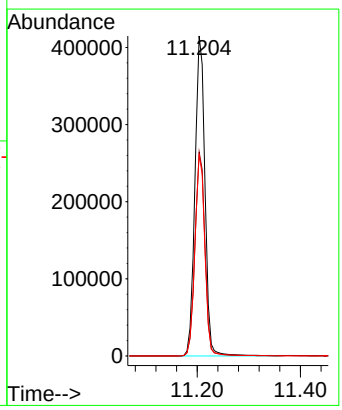
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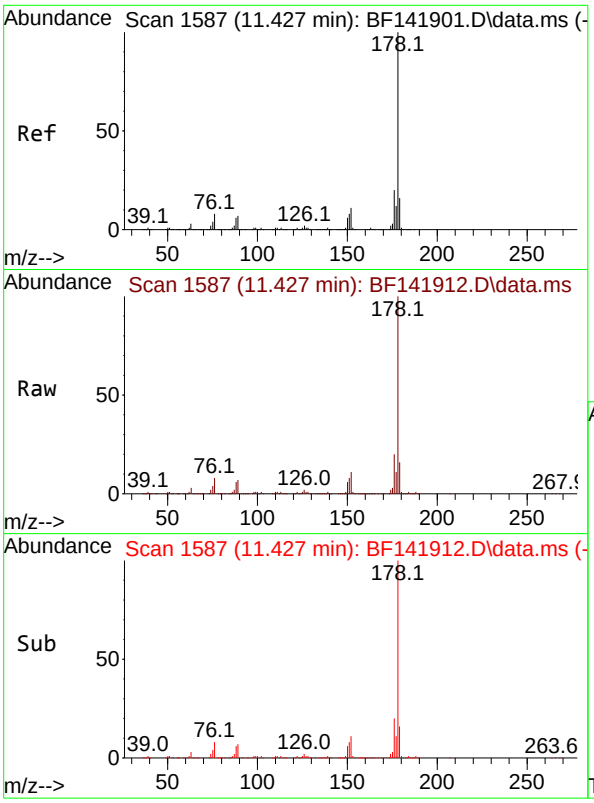


#70
Pentachlorophenol
Concen: 85.494 ng
RT: 11.204 min Scan# 1549
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:266 Resp: 557141

Ion	Ratio	Lower	Upper
266	100		
268	63.7	51.0	76.6
264	63.1	50.2	75.2

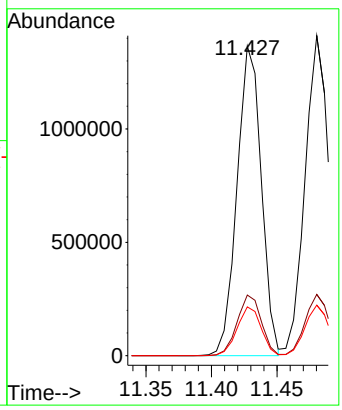




#71
Phenanthrene
Concen: 42.487 ng
RT: 11.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:178 Resp: 176215

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.8	12.6	19.0



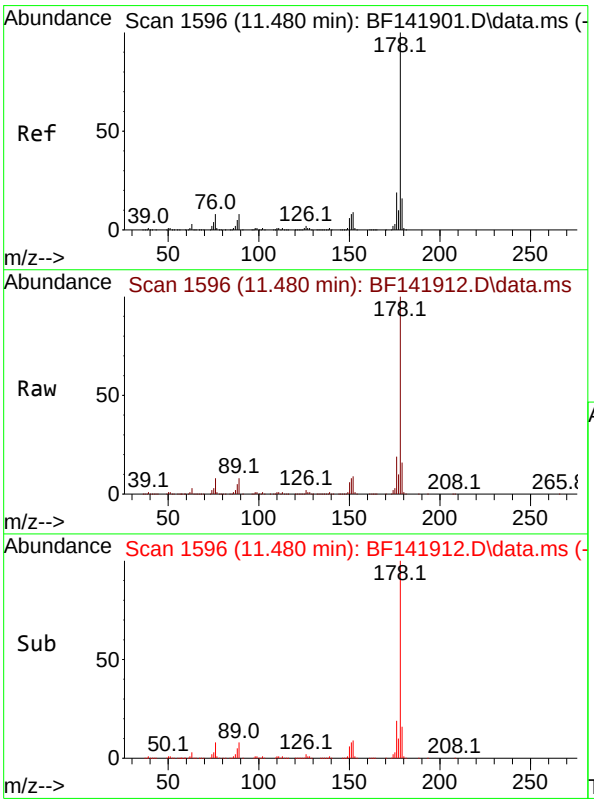
Instrument :
BNA_F
ClientSampleId :
PB167012BS

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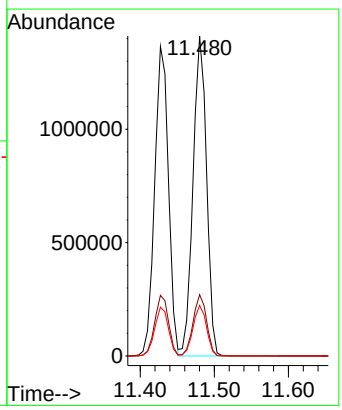
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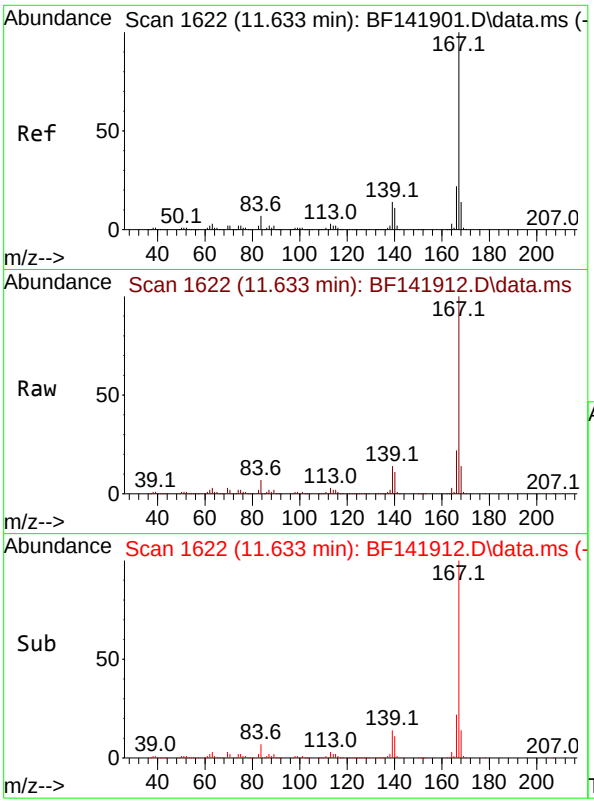


#72
Anthracene
Concen: 42.963 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:178 Resp: 1787717

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.1	22.7
179	15.8	12.6	19.0

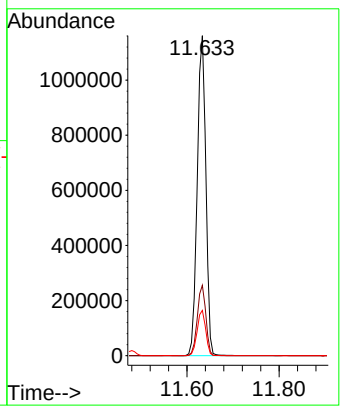




#73
Carbazole
Concen: 41.940 ng
RT: 11.633 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:167 Resp: 150504

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.4	26.2
139	14.2	11.0	16.6



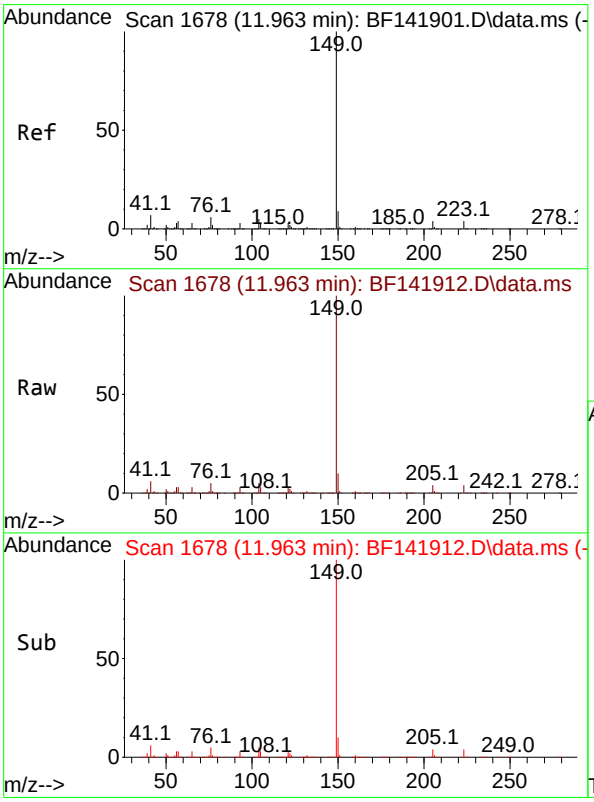
Instrument :
BNA_F
ClientSampleId :
PB167012BS

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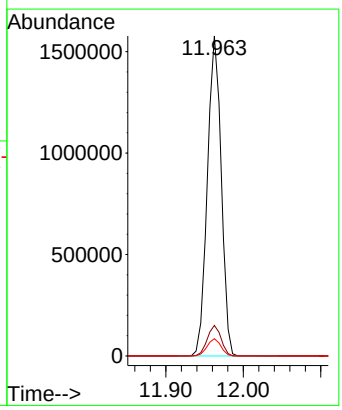
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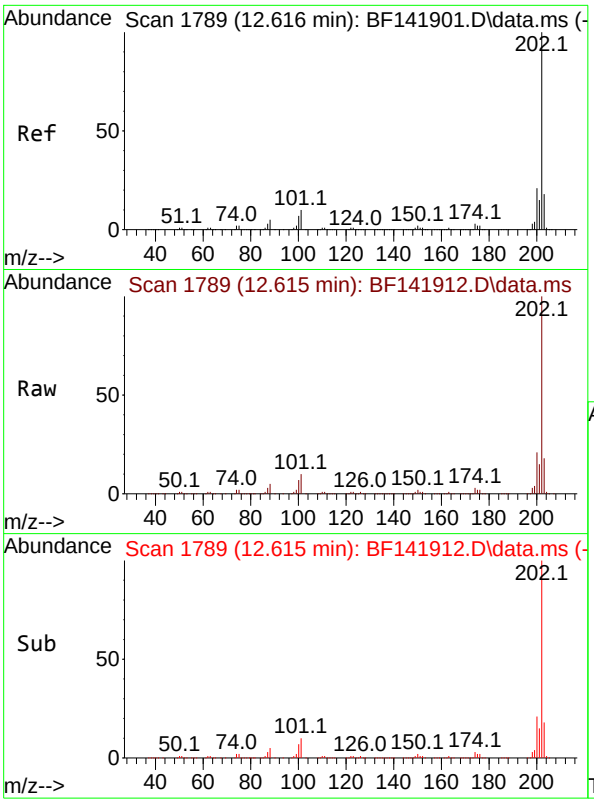


#74
Di-n-butylphthalate
Concen: 41.081 ng
RT: 11.963 min Scan# 1678
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:149 Resp: 1956127

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.6	11.4
104	5.4	4.4	6.6

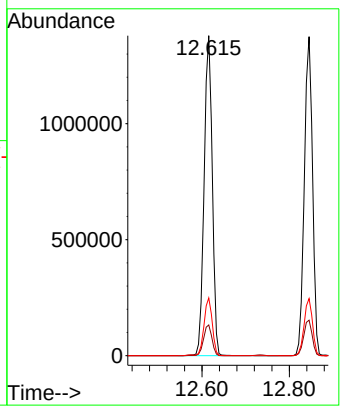




#75
Fluoranthene
Concen: 40.750 ng
RT: 12.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:202 Resp: 179281

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	29.7
203	18.0	0.0	37.8



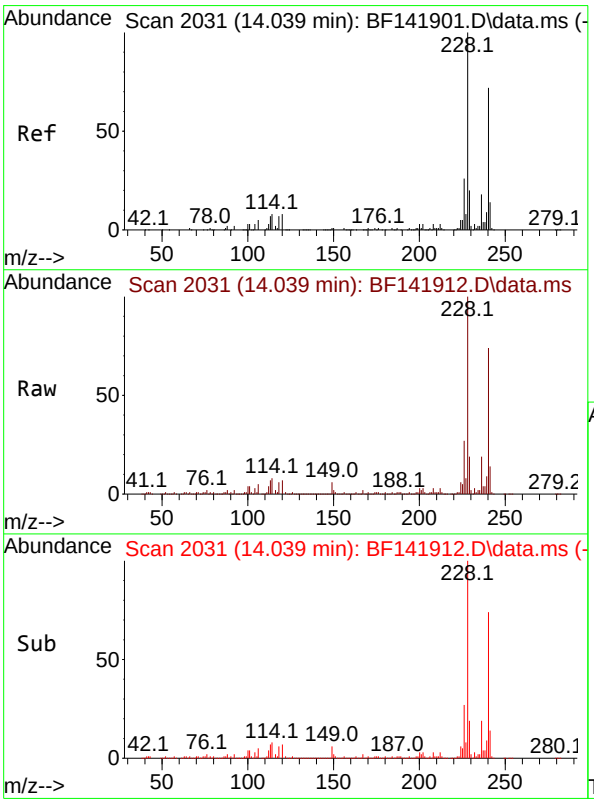
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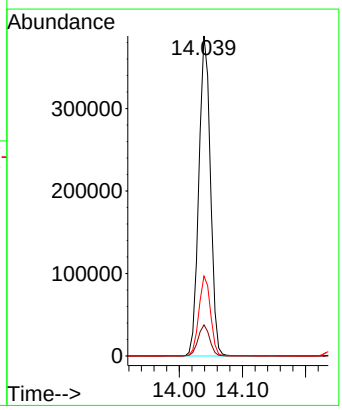
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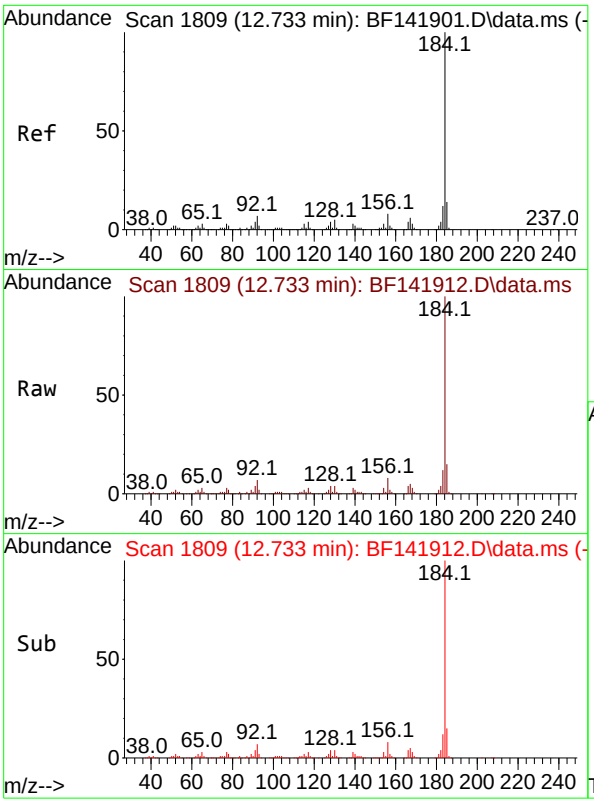


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:240 Resp: 492551

Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.4	12.6
236	25.0	20.5	30.7

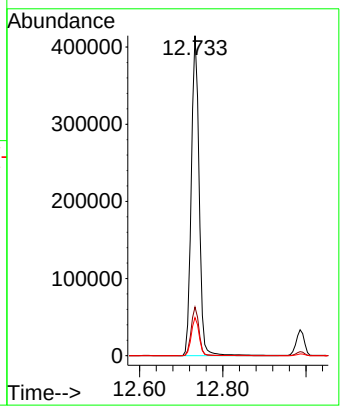




#77
Benzidine
Concen: 79.196 ng
RT: 12.733 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:184 Resp: 54423

Ion	Ratio	Lower	Upper
184	100		
185	15.2	11.5	17.3
183	11.9	9.7	14.5



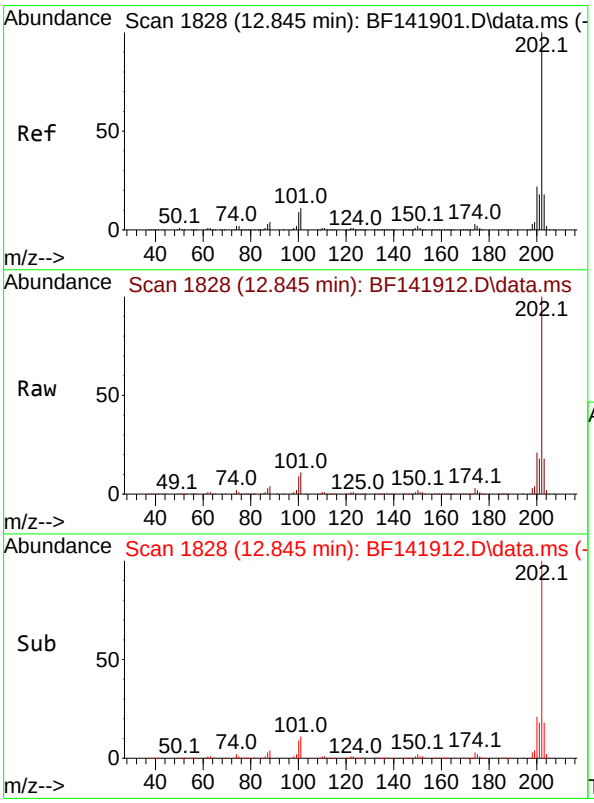
Instrument :
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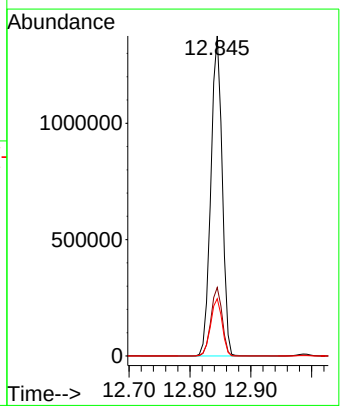
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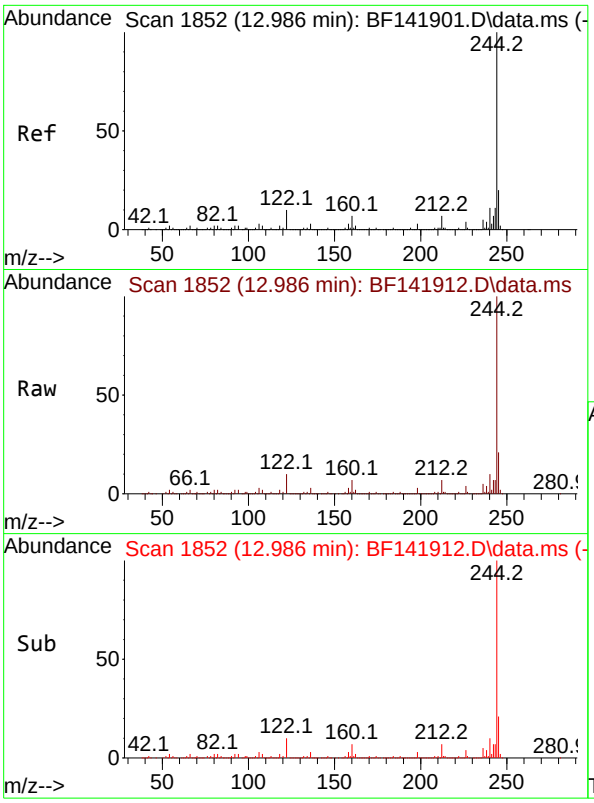


#78
Pyrene
Concen: 41.663 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:202 Resp: 1775108

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.3	25.9
203	17.9	14.4	21.6

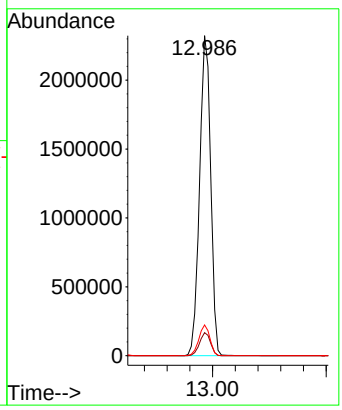




#79
Terphenyl-d14
Concen: 94.387 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:244 Resp: 314453

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	9.6	7.7	11.5



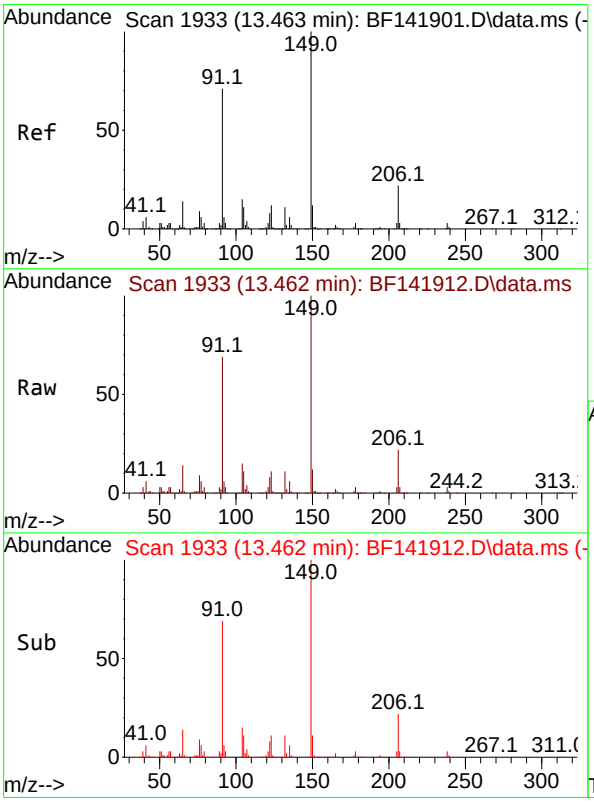
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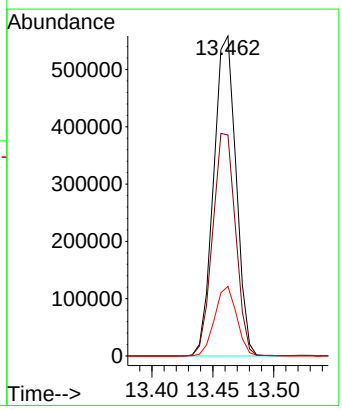
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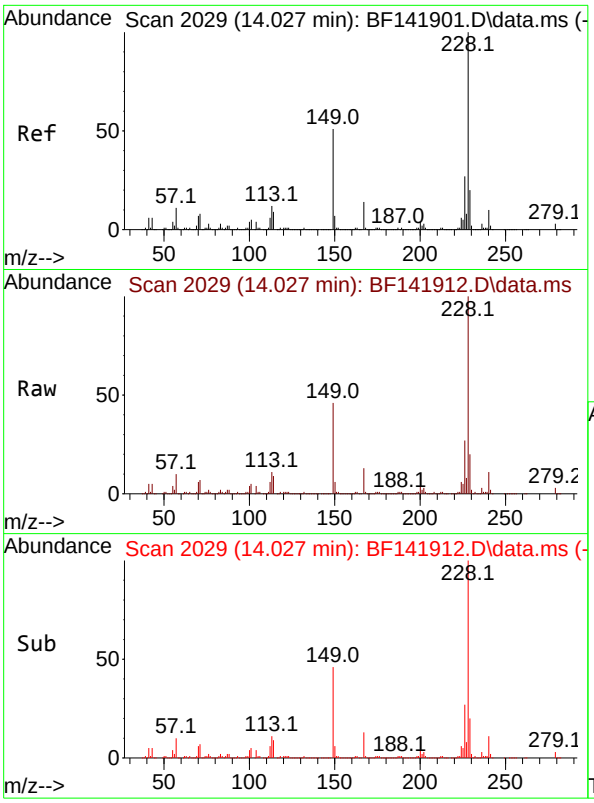


#80
Butylbenzylphthalate
Concen: 43.139 ng
RT: 13.462 min Scan# 1933
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:149 Resp: 719394

Ion	Ratio	Lower	Upper
149	100		
91	69.1	56.5	84.7
206	21.8	17.3	25.9

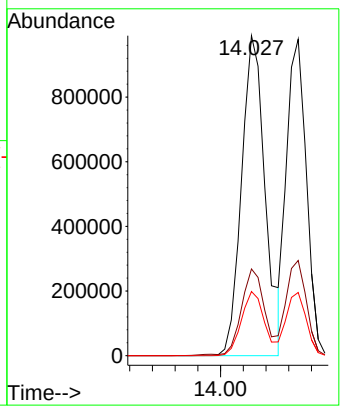




#81
Benzo(a)anthracene
Concen: 44.211 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:228 Resp: 142895

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.8
229	20.0	16.0	24.0



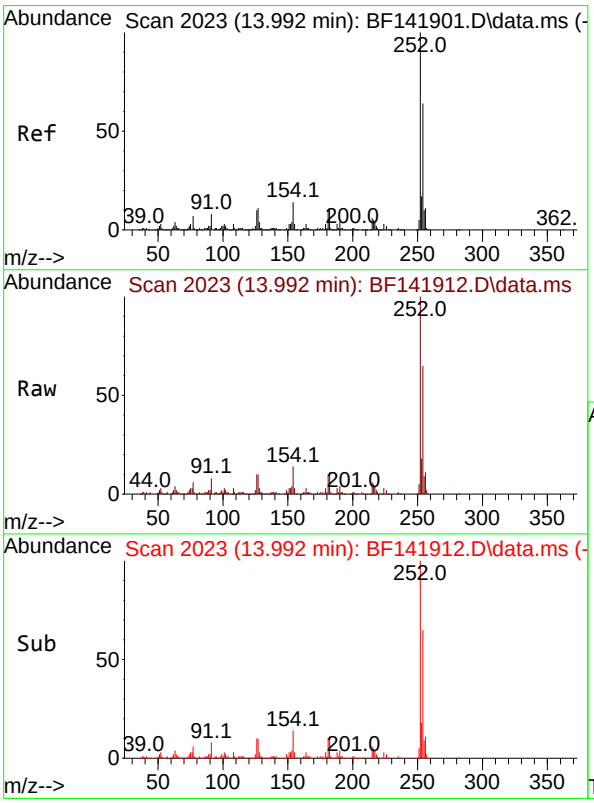
Instrument :
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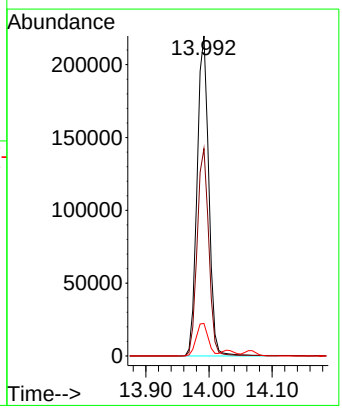
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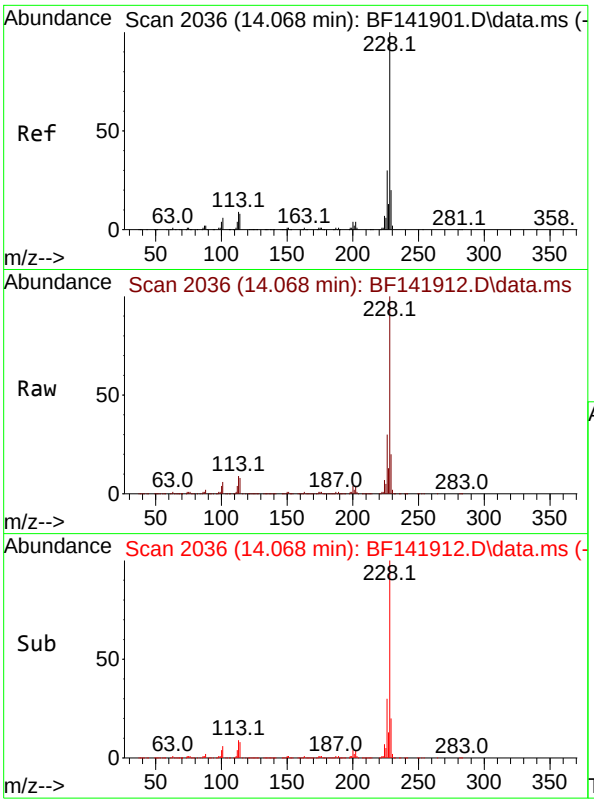


#82
3,3'-Dichlorobenzidine
Concen: 30.125 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:252 Resp: 281380

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.0	76.6
126	10.1	8.4	12.6

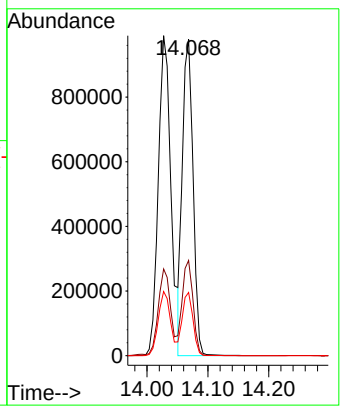




#83
Chrysene
Concen: 40.541 ng
RT: 14.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:228 Resp: 118779

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	20.0	15.7	23.5



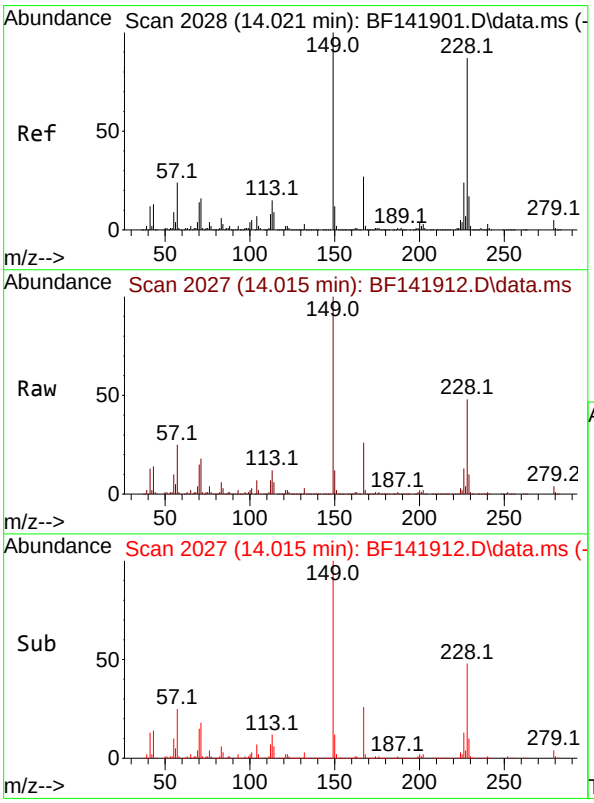
Instrument :
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ClientSampleId :
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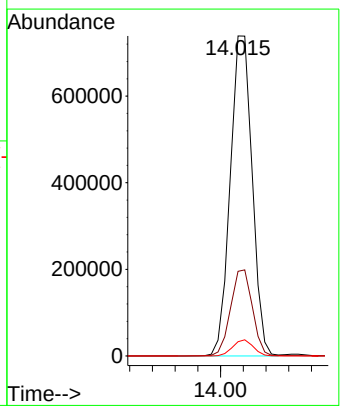
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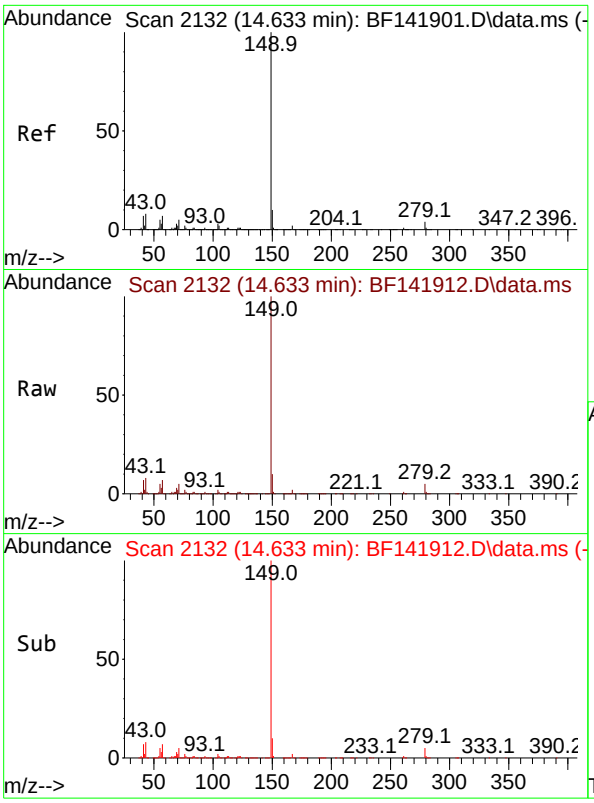


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.141 ng
RT: 14.015 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:149 Resp: 991942

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.4	32.0
279	4.5	3.8	5.6

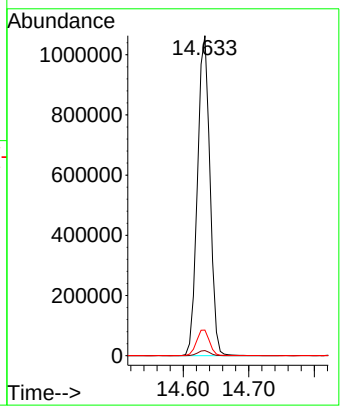




#85
Di-n-octyl phthalate
Concen: 44.114 ng
RT: 14.633 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:149 Resp: 141131

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.3	6.9	10.3



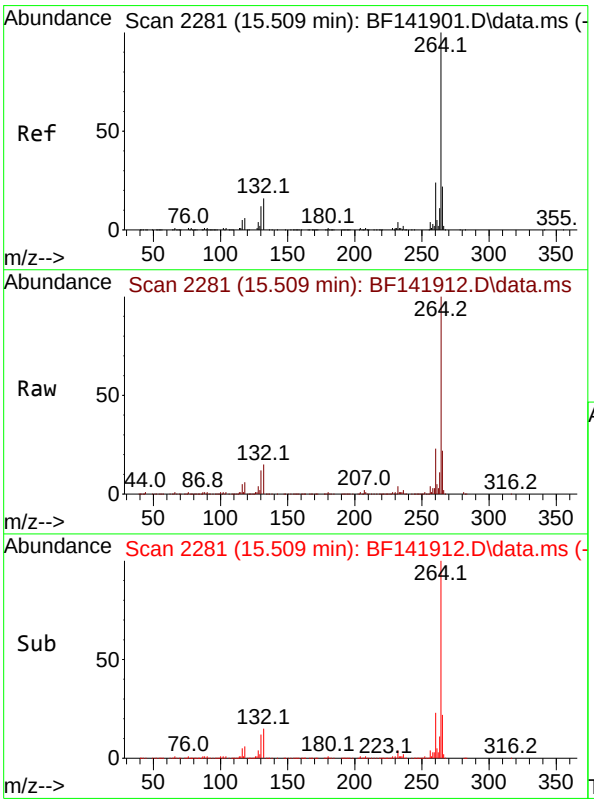
Instrument :
BNA_F
ClientSampleId :
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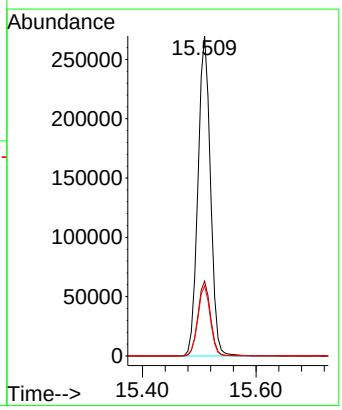
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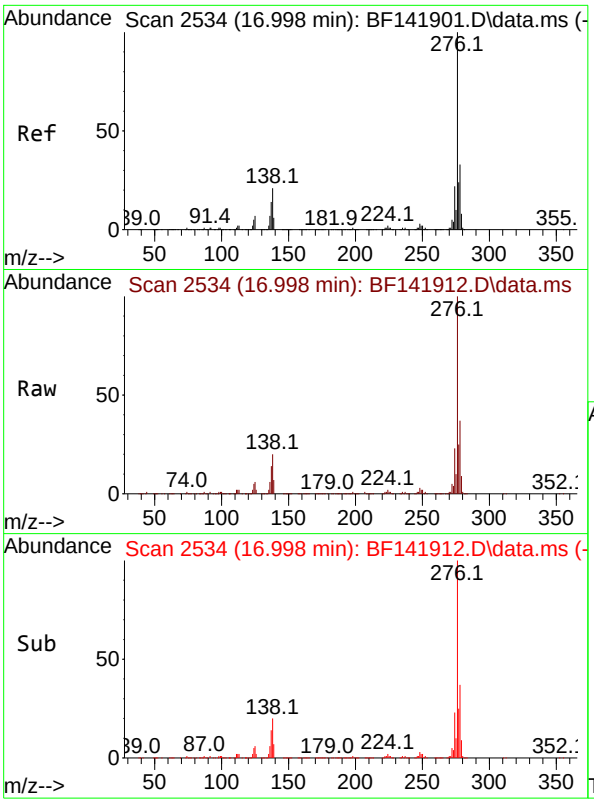


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:264 Resp: 412337

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.1	28.7
265	21.9	17.5	26.3

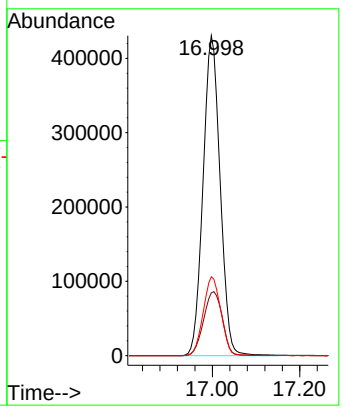




#87
Indeno(1,2,3-cd)pyrene
Concen: 43.757 ng
RT: 16.998 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:276 Resp: 116714

Ion	Ratio	Lower	Upper
276	100		
138	22.1	18.4	27.6
277	25.6	20.3	30.5



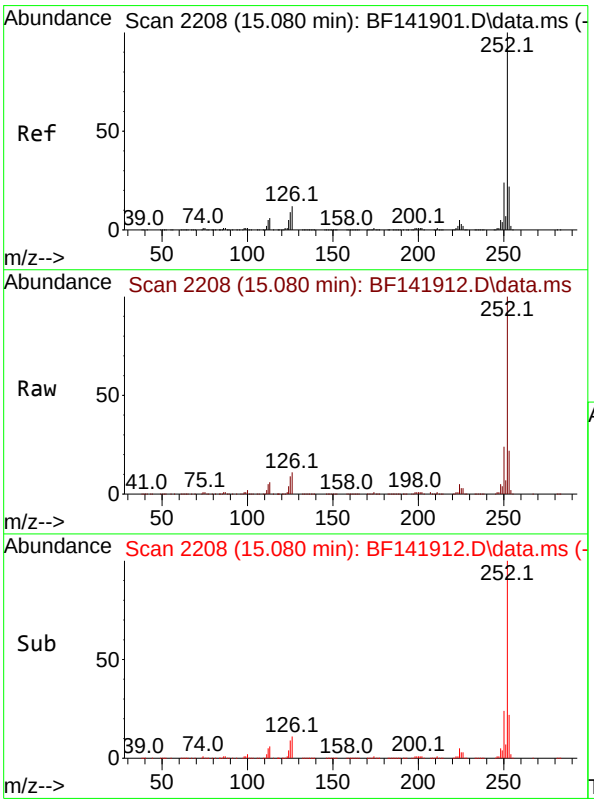
Instrument :
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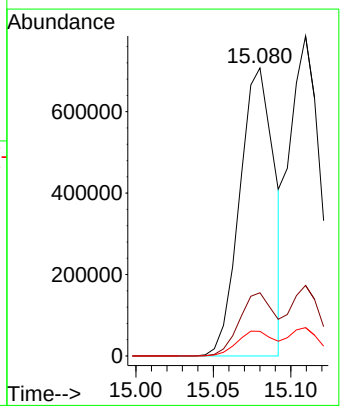
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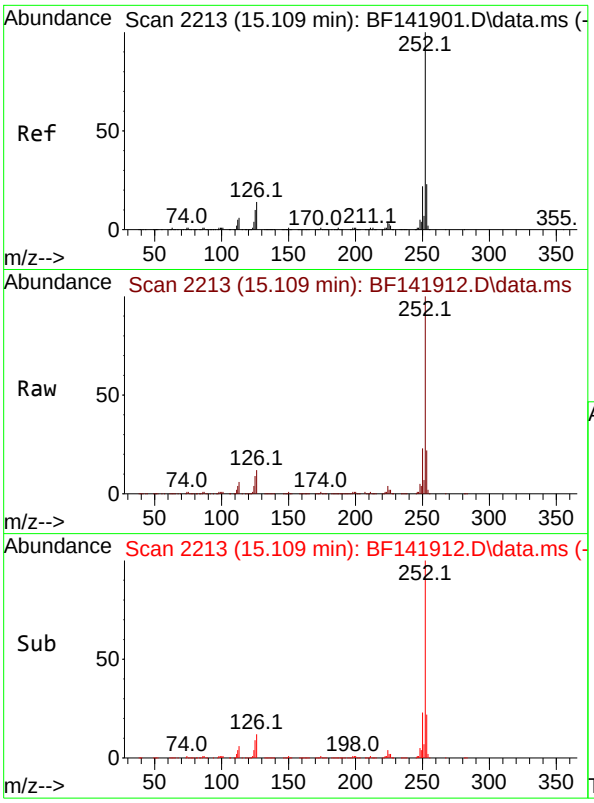


#88
Benzo(b)fluoranthene
Concen: 38.761 ng
RT: 15.080 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:252 Resp: 1095375

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	8.6	7.0	10.4

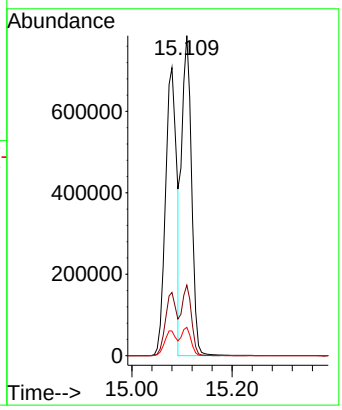




#89
Benzo(k)fluoranthene
Concen: 44.523 ng
RT: 15.109 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:252 Resp: 107673

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	8.8	7.2	10.8



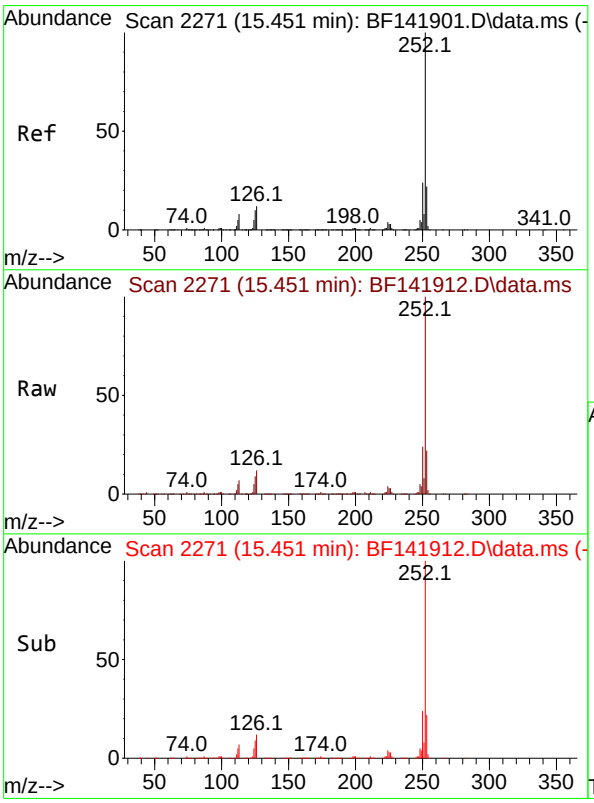
Instrument :
BNA_F
ClientSampleId :
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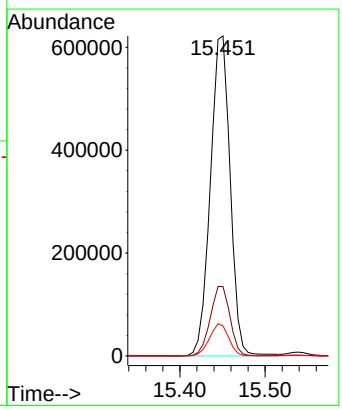
03/12/2025

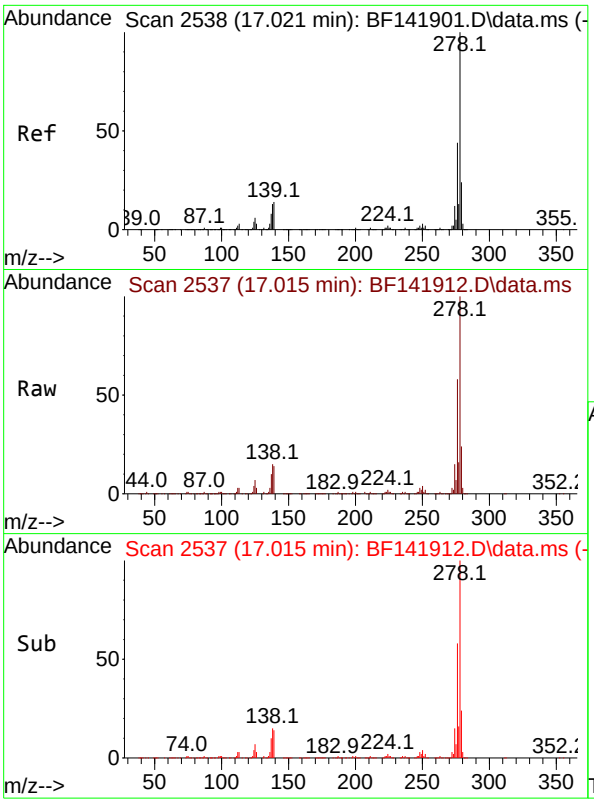


#90
Benzo(a)pyrene
Concen: 45.430 ng
RT: 15.451 min Scan# 2271
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:252 Resp: 1004550

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	9.4	7.8	11.8

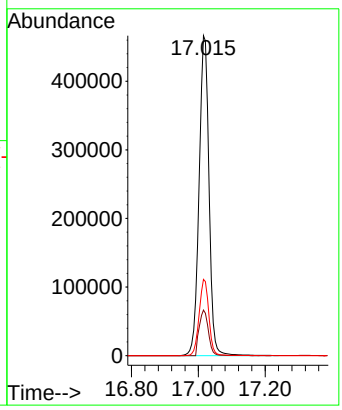




#91
Dibenzo(a,h)anthracene
Concen: 43.683 ng
RT: 17.015 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:278 Resp: 96136

Ion	Ratio	Lower	Upper
278	100		
139	14.2	11.4	17.2
279	23.8	18.8	28.2



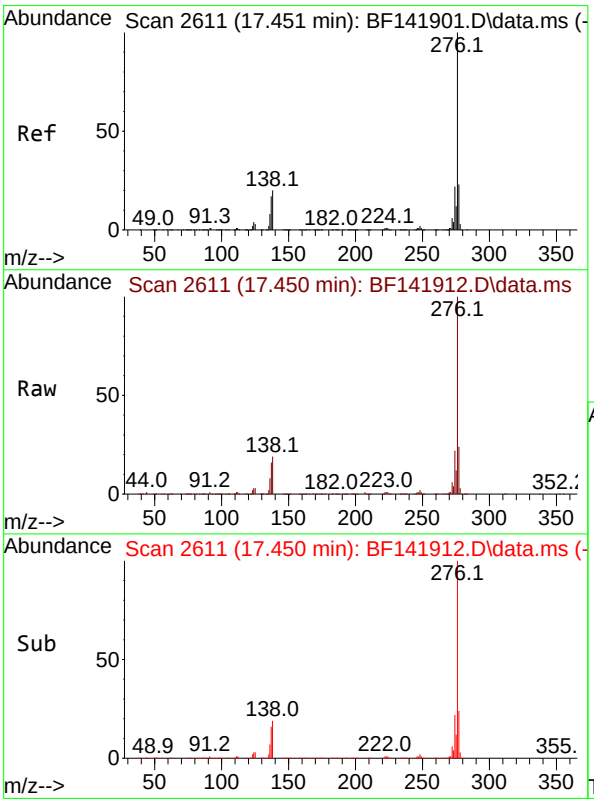
Instrument :
BNA_F
ClientSampleId :
PB167012BS

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025

03/12/2025
Supervised By :Jagrut
Upadhyay

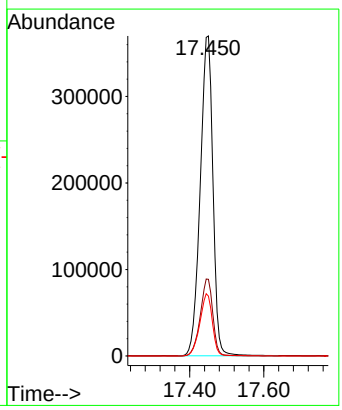
03/12/2025



#92
Benzo(g,h,i)perylene
Concen: 40.376 ng
RT: 17.450 min Scan# 2611
Delta R.T. -0.000 min
Lab File: BF141912.D
Acq: 11 Mar 2025 12:51

Tgt Ion:276 Resp: 878097

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.7	28.1
138	18.7	15.8	23.8



Raw Data: **BF141875.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:	03/05/25
Project:	Nelson			Date Received:	03/05/25
Client Sample ID:	RHL1PXIMS			SDG No.:	Q1492
Lab Sample ID:	Q1492-01MS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	92.8
Sample Wt/Vol:	30.08	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-PAH
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
BF141875.D	1	03/06/25 09:10	03/06/25 18:29	PB167012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1600		88.8	180	ug/Kg
208-96-8	Acenaphthylene	1700		93.0	180	ug/Kg
83-32-9	Acenaphthene	1800		87.2	180	ug/Kg
86-73-7	Fluorene	1700		91.9	180	ug/Kg
85-01-8	Phenanthrene	1700		90.3	180	ug/Kg
120-12-7	Anthracene	1700		90.7	180	ug/Kg
206-44-0	Fluoranthene	1600		87.8	180	ug/Kg
129-00-0	Pyrene	1400		89.2	180	ug/Kg
56-55-3	Benzo(a)anthracene	1700		86.7	180	ug/Kg
218-01-9	Chrysene	1600		85.4	180	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		87.2	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	1800		88.8	180	ug/Kg
50-32-8	Benzo(a)pyrene	1800		99.9	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		83.9	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		87.3	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		86.1	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	106		30 (18) - 130 (112)	71%	SPK: 150
13127-88-3	Phenol-d6	104		30 (15) - 130 (107)	69%	SPK: 150
4165-60-0	Nitrobenzene-d5	92.2		30 (18) - 130 (107)	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.1		30 (20) - 130 (109)	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	133		30 (10) - 130 (116)	89%	SPK: 150
1718-51-0	Terphenyl-d14	70.2		30 (10) - 130 (105)	70%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	161000	6.887			
1146-65-2	Naphthalene-d8	614000	8.169			
15067-26-2	Acenaphthene-d10	328000	9.922			
1517-22-2	Phenanthrene-d10	515000	11.404			
1719-03-5	Chrysene-d12	397000	14.045			

Raw Data: **BF141875.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:	03/05/25
Project:	Nelson			Date Received:	03/05/25
Client Sample ID:	RHL1PXIMS			SDG No.:	Q1492
Lab Sample ID:	Q1492-01MS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	92.8
Sample Wt/Vol:	30.08	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-PAH
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
BF141875.D	1	03/06/25 09:10	03/06/25 18:29	PB167012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1520-96-3	Perylene-d12	380000	15.521			

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\BF030625\
Data File : BF141875.D
Acq On : 06 Mar 2025 18:29
Operator : RC/JU
Sample : Q1492-01MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 07 00:19:09 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 :
RHL1PXIMS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	160920	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	614399	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	327791	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	514725	20.000	ng	0.00
76) Chrysene-d12	14.045	240	396501	20.000	ng	0.00
86) Perylene-d12	15.521	264	380301	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1072286	106.415	ng	0.00
7) Phenol-d6	6.510	99	1361285	103.793	ng	0.00
23) Nitrobenzene-d5	7.445	82	886021	92.179	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	410304	133.330	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1698653	83.093	ng	0.00
79) Terphenyl-d14	12.992	244	1720119	70.189	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.716	88	192430	42.087	ng	95
3) Pyridine	3.487	79	451397	39.680	ng	95
4) n-Nitrosodimethylamine	3.428	42	227319	41.529	ng	98
6) Aniline	6.546	93	249408	18.292	ng	99
8) 2-Chlorophenol	6.669	128	497950	45.682	ng	95
9) Benzaldehyde	6.434	77	172839	22.656	ng	98
10) Phenol	6.522	94	596749	42.579	ng	99
11) bis(2-Chloroethyl)ether	6.622	93	460201	43.078	ng	95
12) 1,3-Dichlorobenzene	6.828	146	522262	44.739	ng	100
13) 1,4-Dichlorobenzene	6.904	146	531499	45.188	ng	99
14) 1,2-Dichlorobenzene	7.057	146	510305	46.462	ng	98
15) Benzyl Alcohol	7.022	79	441512	42.122	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.157	45	562209	34.653	ng	95
17) 2-Methylphenol	7.134	107	394772	43.876	ng	99
18) Hexachloroethane	7.398	117	196768	44.696	ng	98
19) n-Nitroso-di-n-propyla...	7.293	70	337684	39.167	ng	98
20) 3+4-Methylphenols	7.281	107	501845	44.793	ng	95
22) Acetophenone	7.293	105	740981	49.518	ng	98
24) Nitrobenzene	7.463	77	518479	50.372	ng	99
25) Isophorone	7.704	82	918421	44.476	ng	98
26) 2-Nitrophenol	7.781	139	255193	54.789	ng	97
27) 2,4-Dimethylphenol	7.810	122	424429	55.914	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	553095	41.988	ng	99
29) 2,4-Dichlorophenol	8.016	162	405334	46.287	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	444064	46.277	ng	100
31) Naphthalene	8.187	128	1423827	45.090	ng	99
32) Benzoic acid	7.922	122	312587	49.124	ng	98
33) 4-Chloroaniline	8.234	127	94953	8.201	ng	98
34) Hexachlorobutadiene	8.304	225	285961	47.957	ng	99
35) Caprolactam	8.598	113	135693m	50.370	ng	
36) 4-Chloro-3-methylphenol	8.710	107	441335	45.368	ng	99
37) 2-Methylnaphthalene	8.881	142	900126	43.459	ng	99
38) 1-Methylnaphthalene	8.975	142	867480	43.649	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	500515	52.870	ng	99
41) Hexachlorocyclopentadiene	9.034	237	622167	157.478	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	298404	48.796	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141875.D
Acq On : 06 Mar 2025 18:29
Operator : RC/JU
Sample : Q1492-01MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Quant Time: Mar 07 00:19:09 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

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	305173	50.396	ng		98
46) 1,1'-Biphenyl	9.339	154	1283855	51.457	ng		98
47) 2-Chloronaphthalene	9.369	162	870356	47.263	ng		99
48) 2-Nitroaniline	9.457	65	268692	52.825	ng		96
49) Acenaphthylene	9.781	152	1309470	47.427	ng		99
50) Dimethylphthalate	9.639	163	1031160	46.975	ng		100
51) 2,6-Dinitrotoluene	9.698	165	218829	51.868	ng		96
52) Acenaphthene	9.957	154	946830	50.823	ng		98
53) 3-Nitroaniline	9.869	138	111967	26.451	ng	#	93
54) 2,4-Dinitrophenol	9.975	184	182172	90.344	ng	#	1
55) Dibenzofuran	10.128	168	1220087	44.996	ng		100
56) 4-Nitrophenol	10.022	139	360637	111.235	ng		96
57) 2,4-Dinitrotoluene	10.104	165	284152	54.855	ng		91
58) Fluorene	10.469	166	940964	46.327	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	259856	49.341	ng		99
60) Diethylphthalate	10.339	149	1006514	45.738	ng		99
61) 4-Chlorophenyl-phenyle...	10.463	204	477960	46.967	ng		99
62) 4-Nitroaniline	10.481	138	171647	45.787	ng		96
63) Azobenzene	10.622	77	1016465	43.869	ng		95
65) 4,6-Dinitro-2-methylph...	10.504	198	111456	46.324	ng		95
66) n-Nitrosodiphenylamine	10.581	169	816711	48.321	ng		100
67) 4-Bromophenyl-phenylether	10.951	248	296950	49.391	ng		98
68) Hexachlorobenzene	11.016	284	323594	50.970	ng		98
69) Atrazine	11.104	200	307329	66.122	ng		100
70) Pentachlorophenol	11.204	266	407741	101.263	ng		99
71) Phenanthrene	11.433	178	1319085	47.910	ng		99
72) Anthracene	11.480	178	1309109	47.442	ng		99
73) Carbazole	11.633	167	1129474	46.352	ng		100
74) Di-n-butylphthalate	11.969	149	1383879	44.803	ng		99
75) Fluoranthene	12.616	202	1278363	45.313	ng		97
78) Pyrene	12.845	202	1307373	38.077	ng		100
80) Butylbenzylphthalate	13.469	149	543208	43.545	ng		97
81) Benzo(a)anthracene	14.039	228	1226272	46.823	ng		99
82) 3,3'-Dichlorobenzidine	13.998	252	13153	1.750	ng	#	85
83) Chrysene	14.074	228	1092883	45.269	ng		99
84) Bis(2-ethylhexyl)phtha...	14.027	149	710459	45.740	ng		99
85) Di-n-octyl phthalate	14.639	149	1223350	52.608	ng	#	95
87) Indeno(1,2,3-cd)pyrene	17.015	276	1141147	47.123	ng		95
88) Benzo(b)fluoranthene	15.092	252	1197920	46.243	ng		99
89) Benzo(k)fluoranthene	15.121	252	1126756	51.174	ng		99
90) Benzo(a)pyrene	15.463	252	1030329	49.594	ng		99
91) Dibenzo(a,h)anthracene	17.039	278	961619	48.648	ng		96
92) Benzo(g,h,i)perylene	17.468	276	851415	42.044	ng		95

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

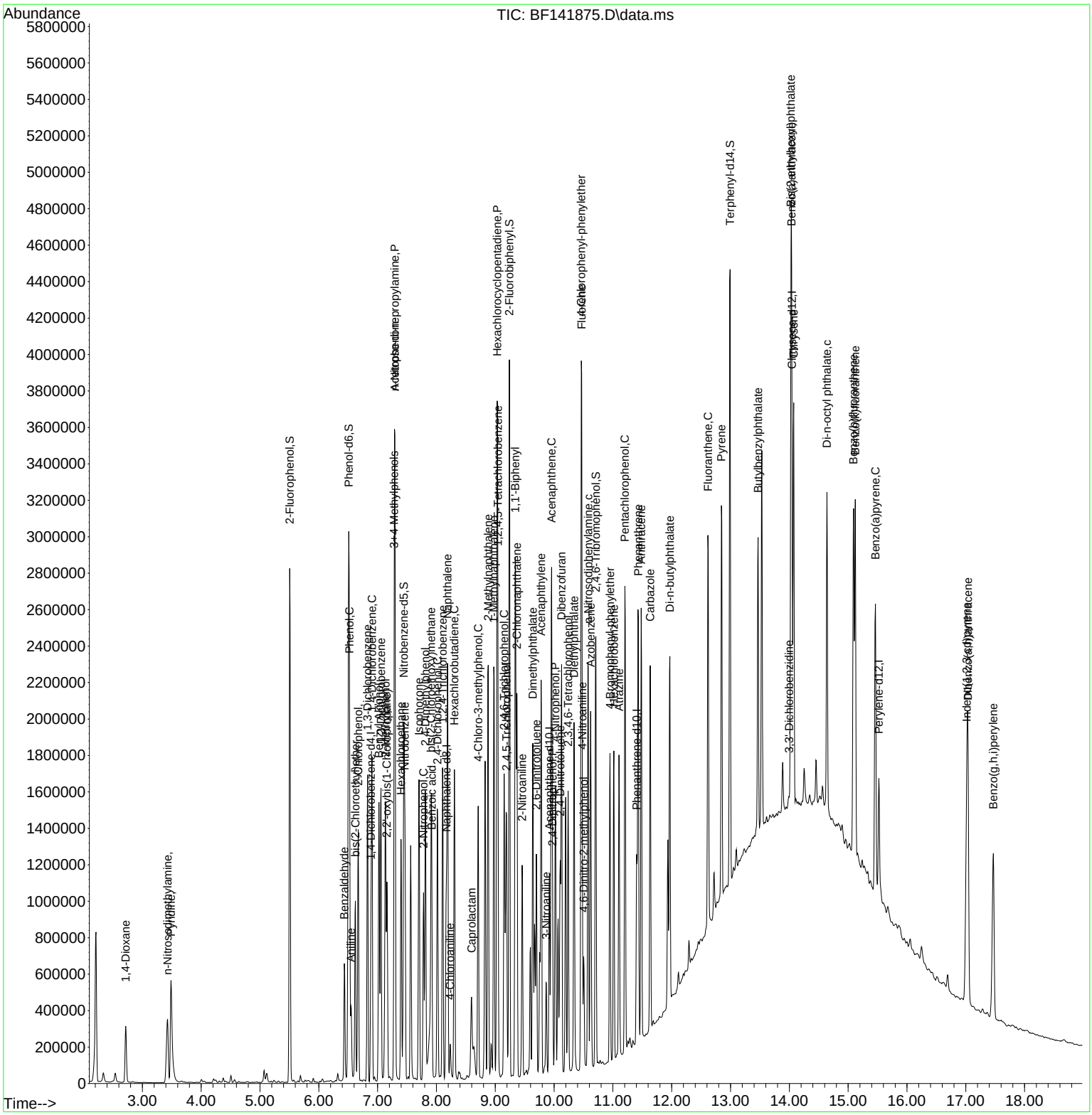
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Data File : BF141875.D
Acq On : 06 Mar 2025 18:29
Operator : RC/JU
Sample : Q1492-01MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

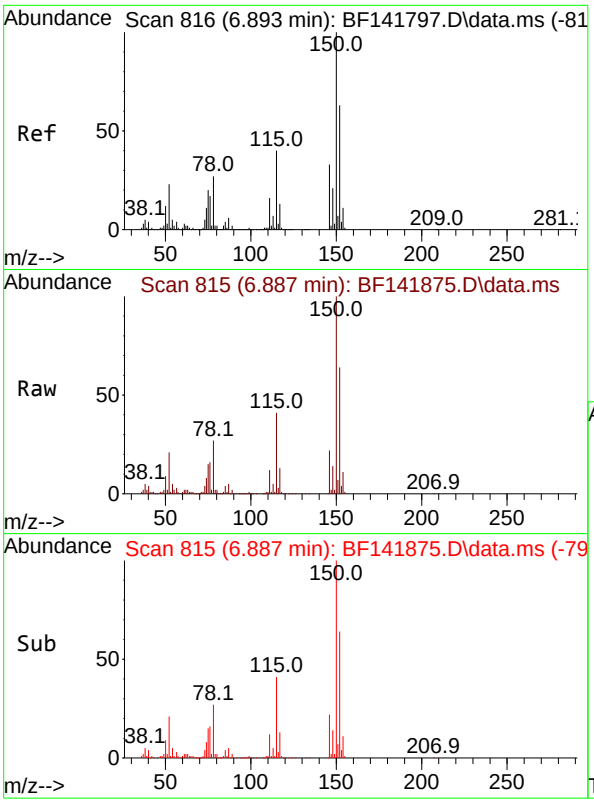
Quant Time: Mar 07 00:19:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

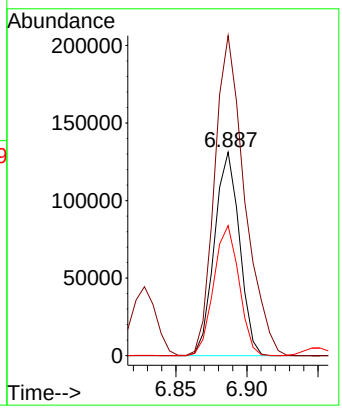




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:152 Resp: 16092

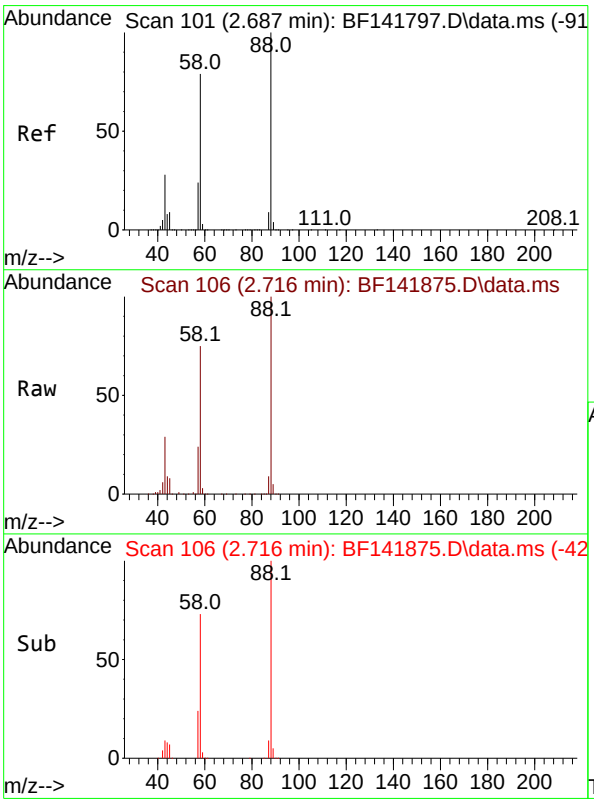
Ion	Ratio	Lower	Upper
152	100		
150	157.2	127.5	191.3
115	63.9	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
APPROVED

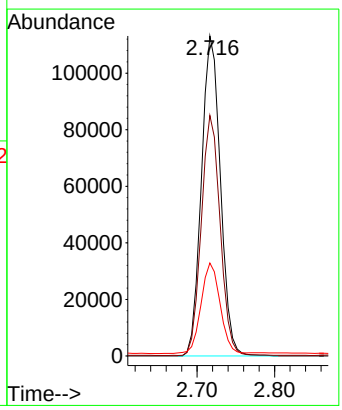
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

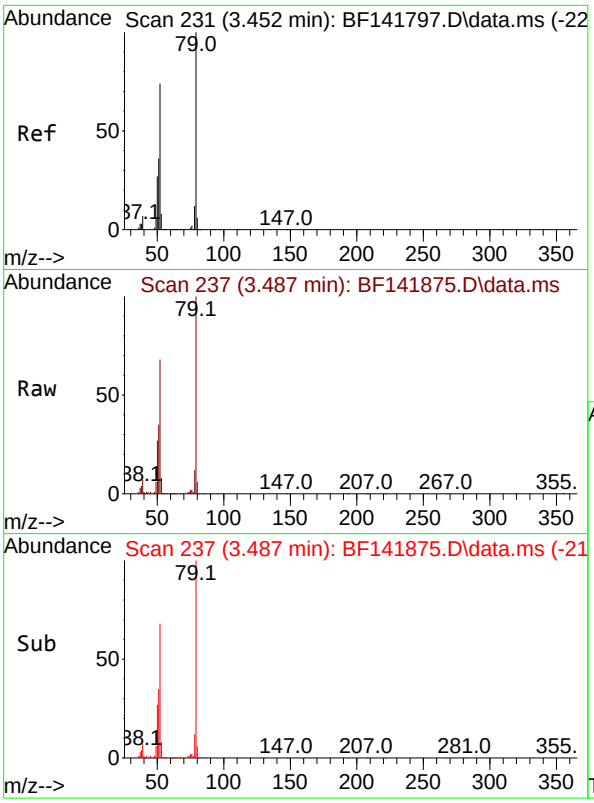


#2
1,4-Dioxane
Concen: 42.087 ng
RT: 2.716 min Scan# 106
Delta R.T. 0.029 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion: 88 Resp: 192430

Ion	Ratio	Lower	Upper
88	100		
58	74.3	63.9	95.9
43	28.3	23.0	34.6

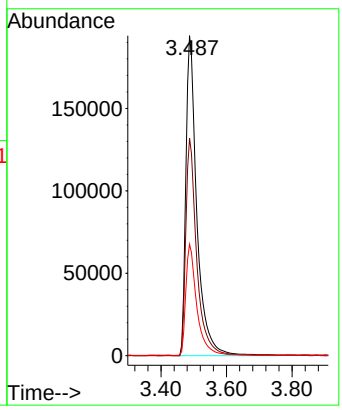




#3
Pyridine
Concen: 39.680 ng
RT: 3.487 min Scan# 2
Delta R.T. 0.035 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion: 79 Resp: 45139

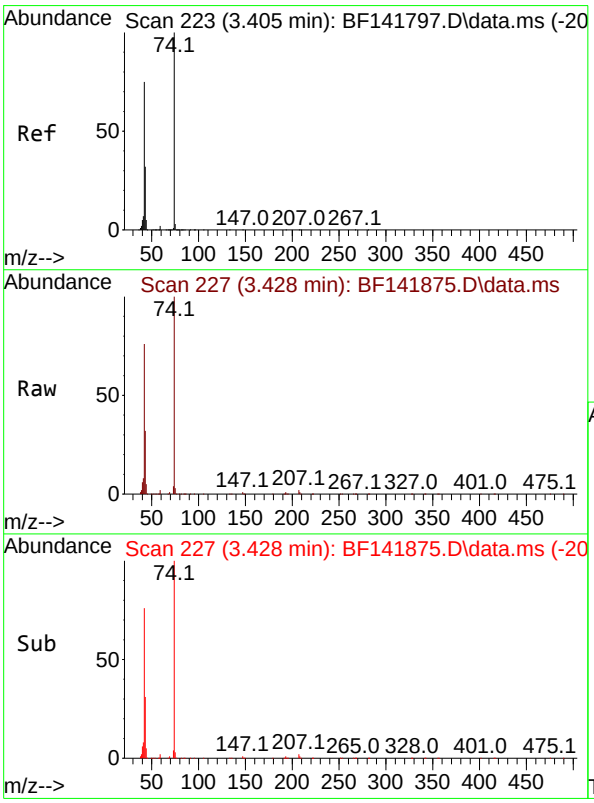
Ion	Ratio	Lower	Upper
79	100		
52	68.0	59.0	88.4
51	34.8	29.0	43.4



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
APPROVED

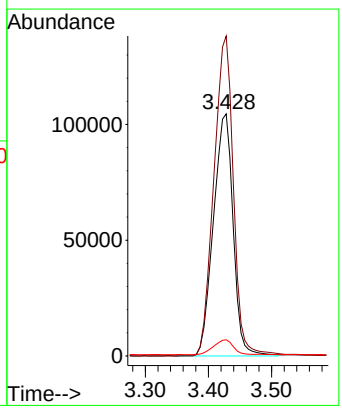
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

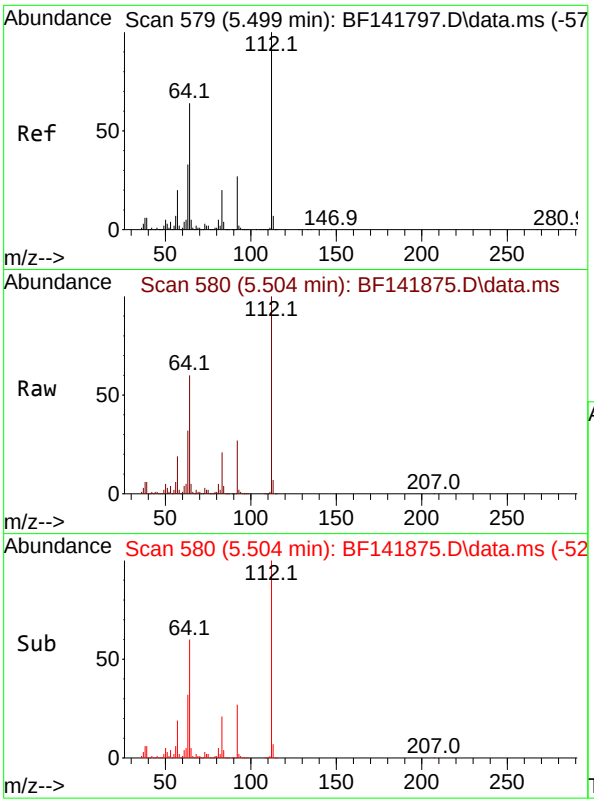


#4
n-Nitrosodimethylamine
Concen: 41.529 ng
RT: 3.428 min Scan# 227
Delta R.T. 0.023 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion: 42 Resp: 227319

Ion	Ratio	Lower	Upper
42	100		
74	132.1	107.1	160.7
44	6.7	6.6	9.8

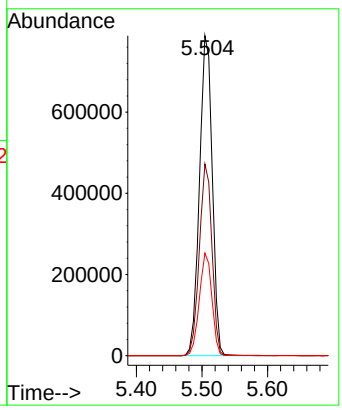




#5
2-Fluorophenol
Concen: 106.415 ng
RT: 5.504 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:112 Resp: 107228

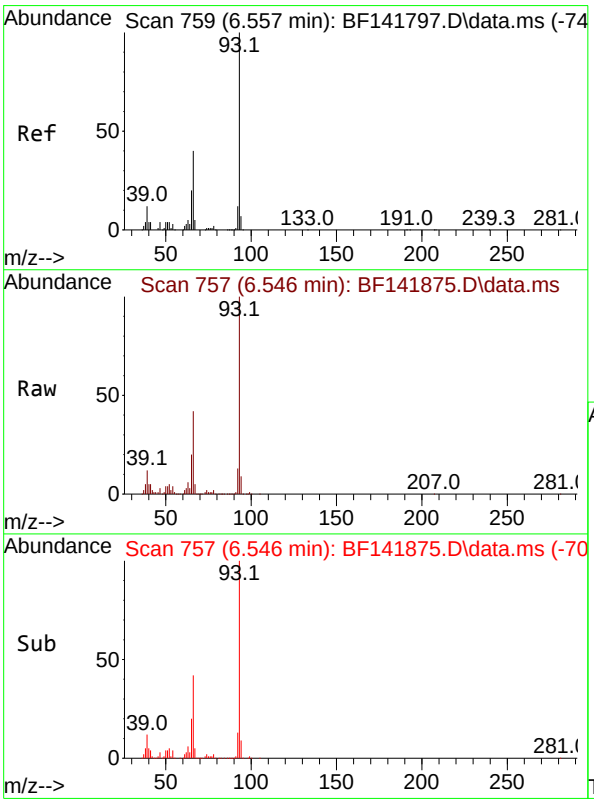
Ion	Ratio	Lower	Upper
112	100		
64	59.9	51.3	76.9
63	32.0	26.2	39.4



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
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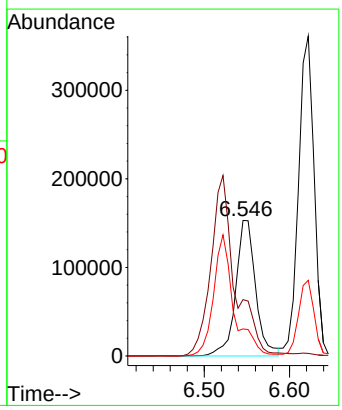
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

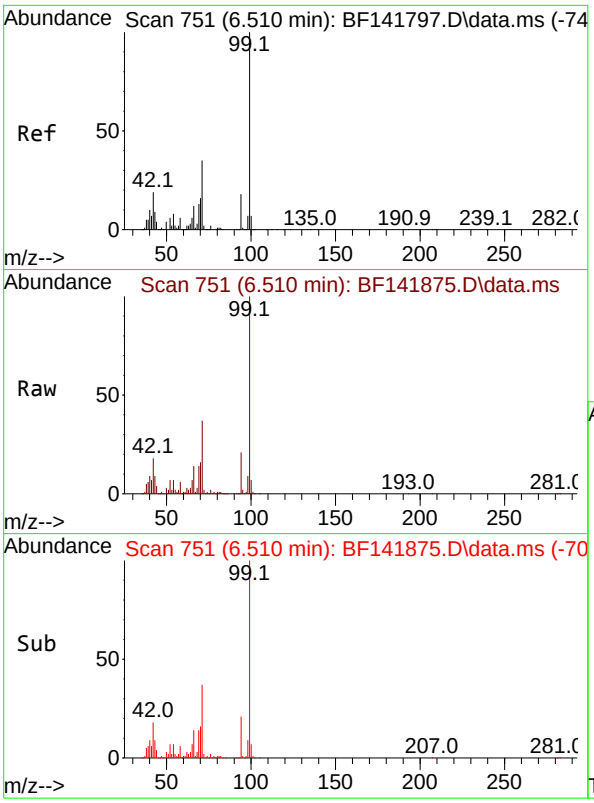


#6
Aniline
Concen: 18.292 ng
RT: 6.546 min Scan# 757
Delta R.T. -0.012 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion: 93 Resp: 249408

Ion	Ratio	Lower	Upper
93	100		
66	41.5	32.3	48.5
65	20.0	15.9	23.9





#7
Phenol-d6
Concen: 103.793 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

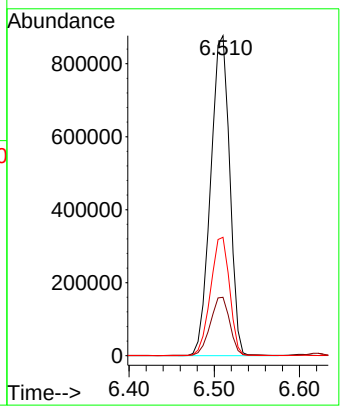
Tgt Ion: 99 Resp: 136128

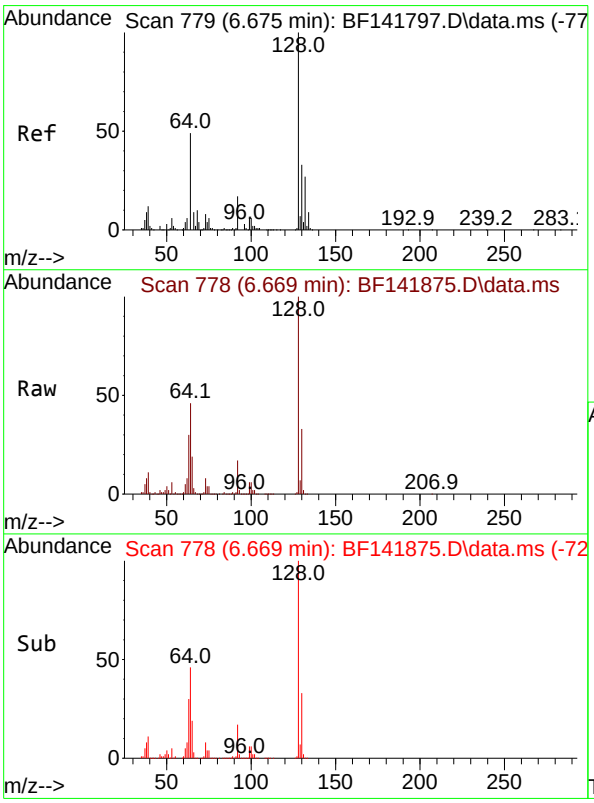
Ion	Ratio	Lower	Upper
99	100		
42	18.3	15.2	22.8
71	37.0	28.2	42.2

Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

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Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

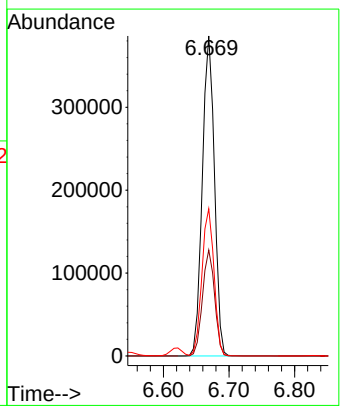


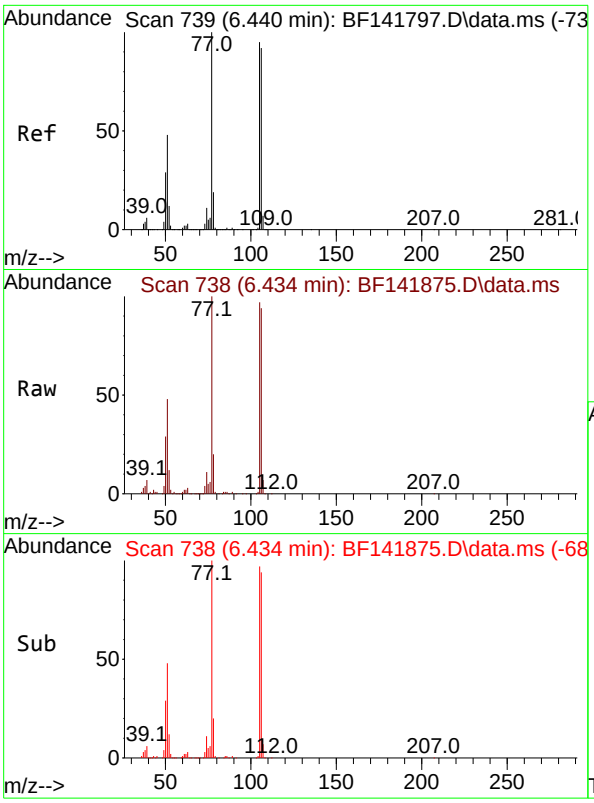


#8
2-Chlorophenol
Concen: 45.682 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:128 Resp: 497950

Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.6	52.6
64	46.0	31.1	71.1

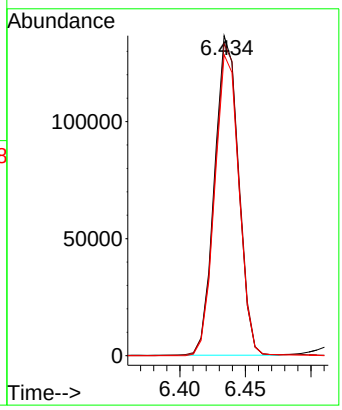




#9
Benzaldehyde
Concen: 22.656 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion: 77 Resp: 17283

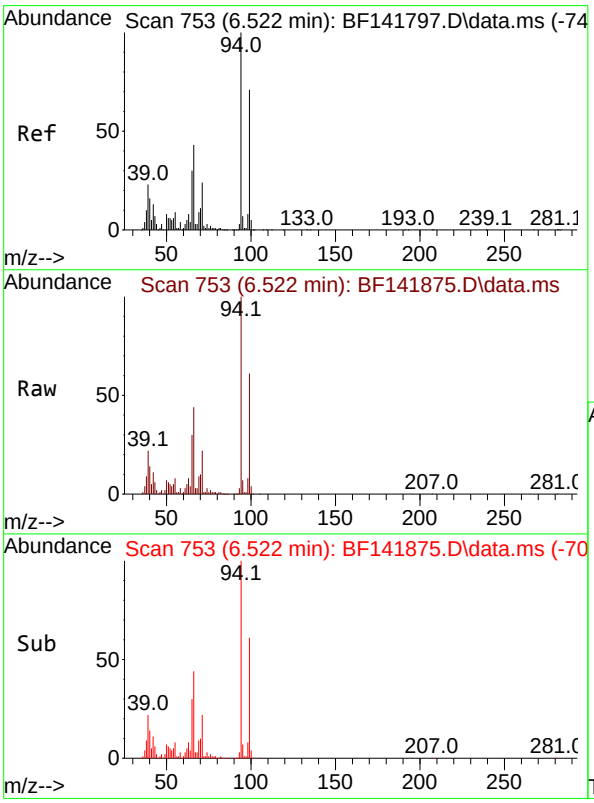
Ion	Ratio	Lower	Upper
77	100		
105	97.5	75.3	115.3
106	94.1	72.3	112.3



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
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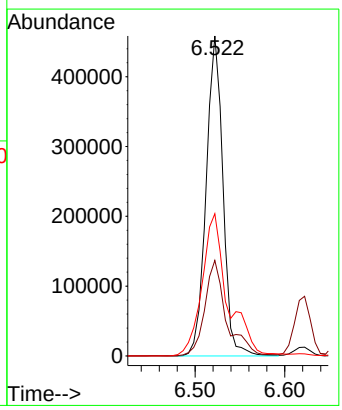
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

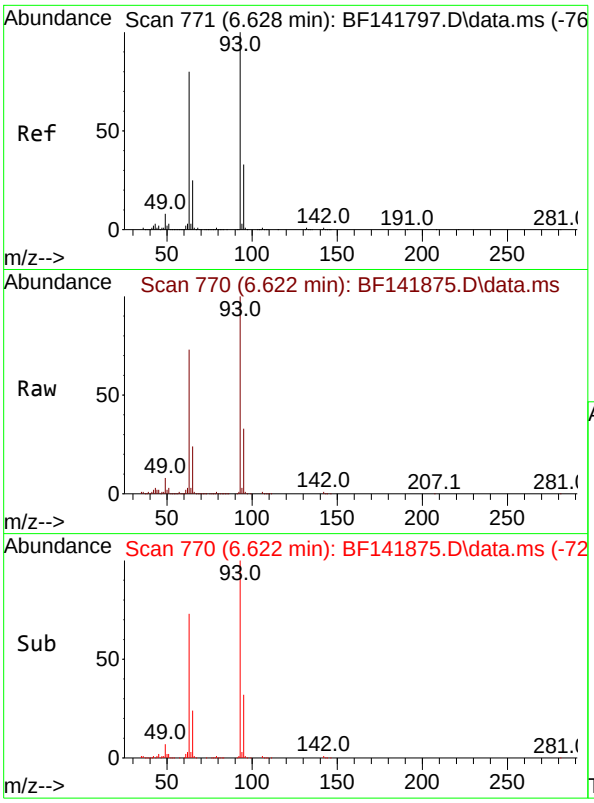


#10
Phenol
Concen: 42.579 ng
RT: 6.522 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion: 94 Resp: 596749

Ion	Ratio	Lower	Upper
94	100		
65	29.8	10.2	50.2
66	44.5	23.2	63.2

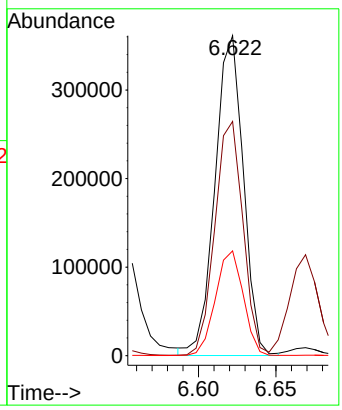




#11
bis(2-Chloroethyl)ether
Concen: 43.078 ng
RT: 6.622 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion: 93 Resp: 46020

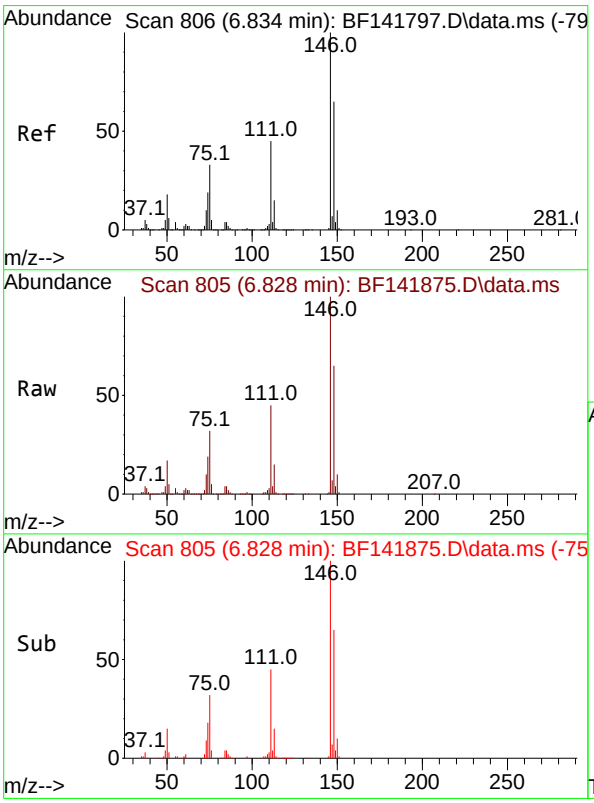
Ion	Ratio	Lower	Upper
93	100		
63	73.2	59.3	99.3
95	32.7	13.2	53.2



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
APPROVED

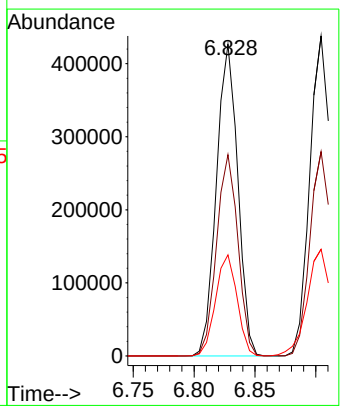
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

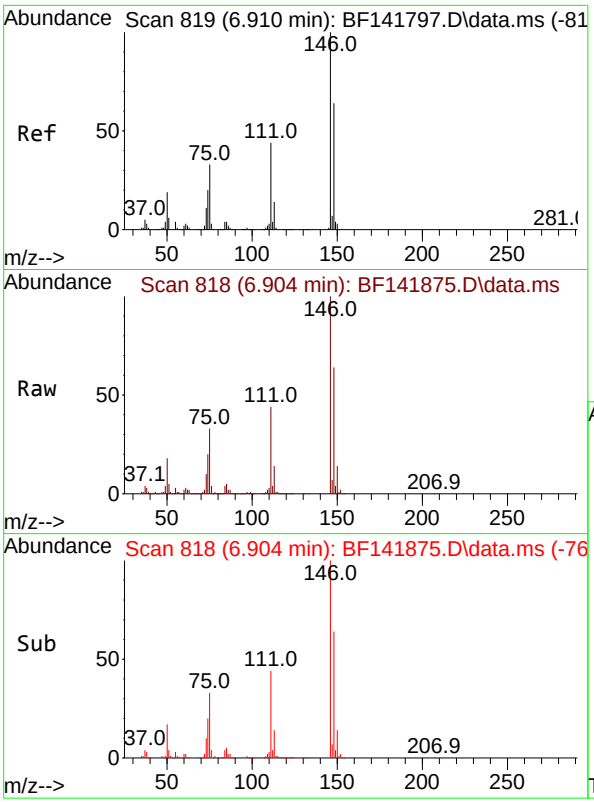


#12
1,3-Dichlorobenzene
Concen: 44.739 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:146 Resp: 522262

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.8	77.6
75	32.4	26.2	39.4

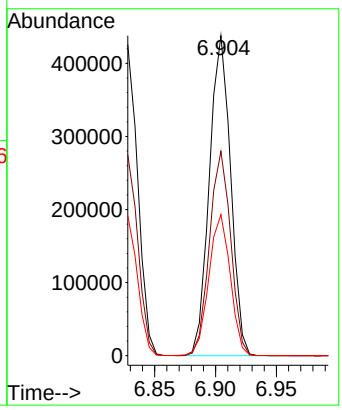




#13
1,4-Dichlorobenzene
Concen: 45.188 ng
RT: 6.904 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:146 Resp: 53149

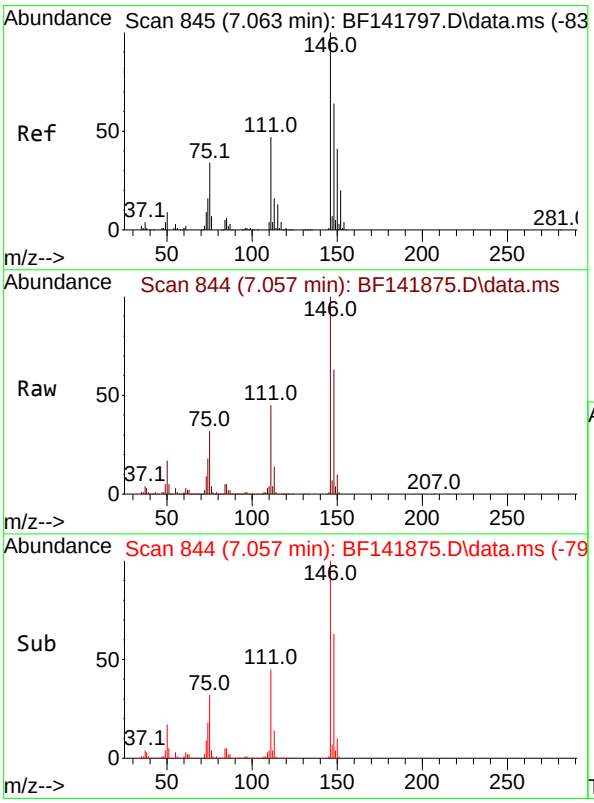
Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.4	77.2
111	44.1	35.5	53.3



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
APPROVED

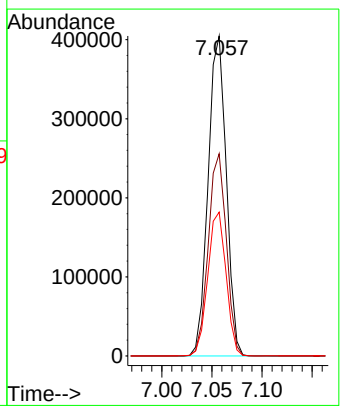
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

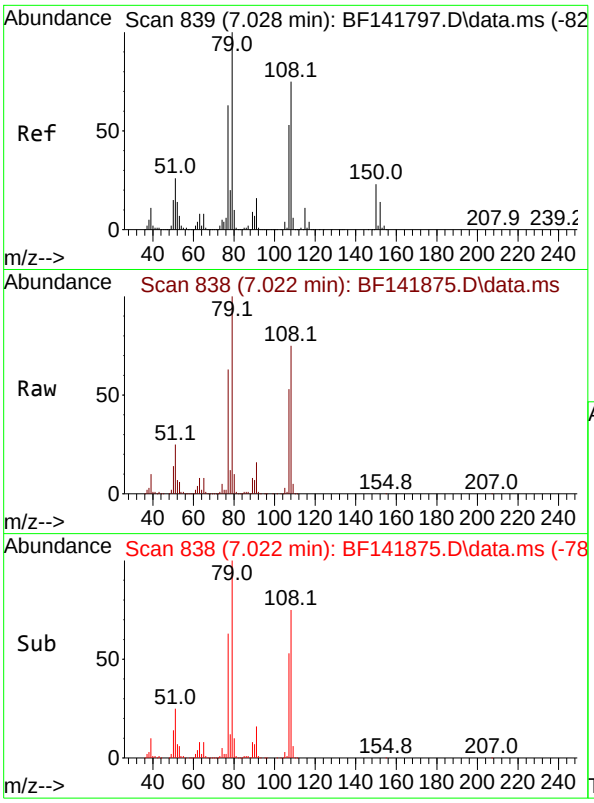


#14
1,2-Dichlorobenzene
Concen: 46.462 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:146 Resp: 510305

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.2	76.8
111	45.0	37.8	56.6





#15
Benzyl Alcohol
Concen: 42.122 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

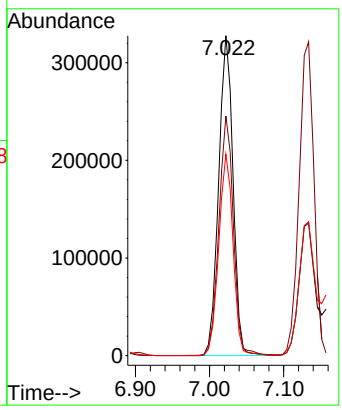
Tgt Ion: 79 Resp: 44151

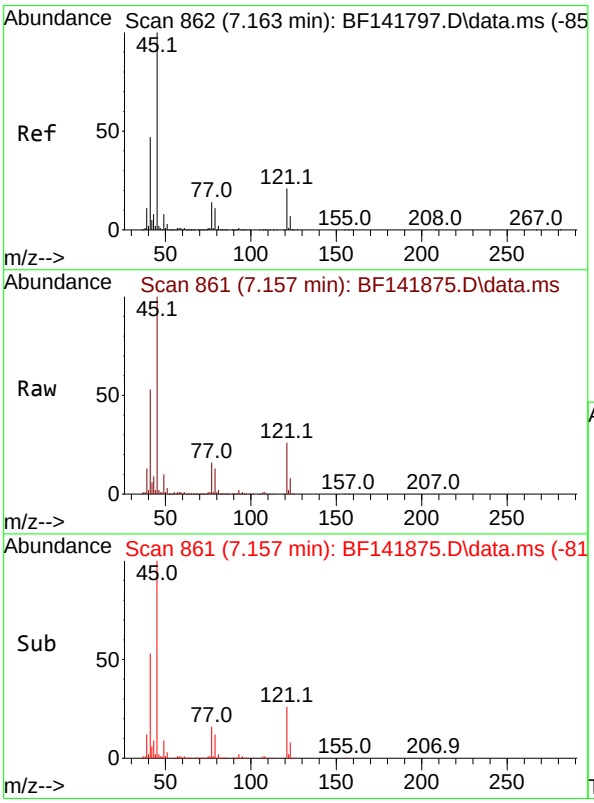
Ion	Ratio	Lower	Upper
79	100		
108	74.9	60.2	90.2
77	63.0	50.2	75.2

Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
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Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

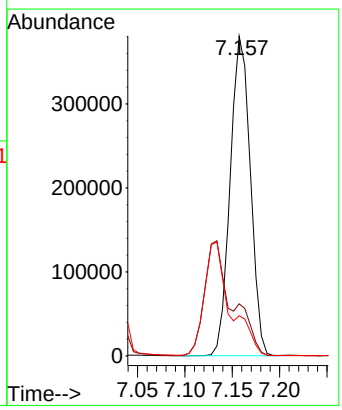


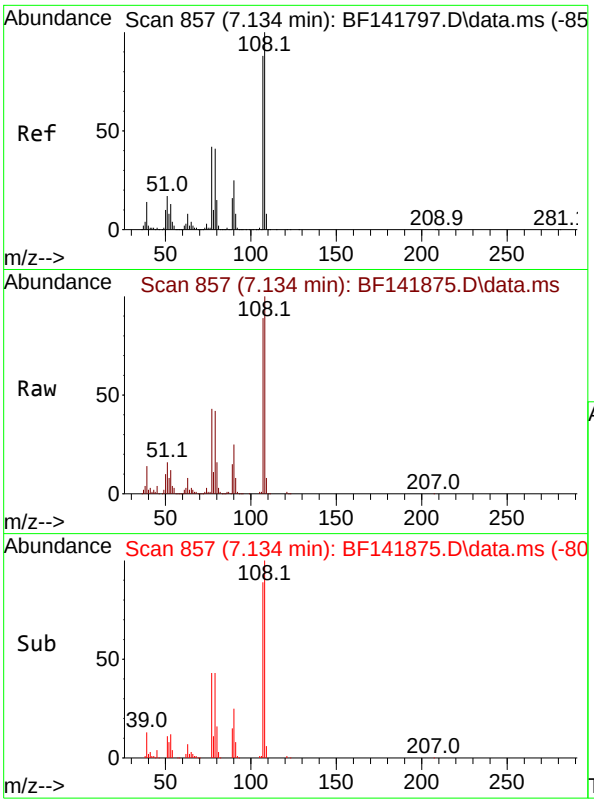


#16
2,2'-oxybis(1-Chloropropane)
Concen: 34.653 ng
RT: 7.157 min Scan# 861
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion: 45 Resp: 562209

Ion	Ratio	Lower	Upper
45	100		
77	16.3	0.0	34.4
79	12.5	0.0	30.9

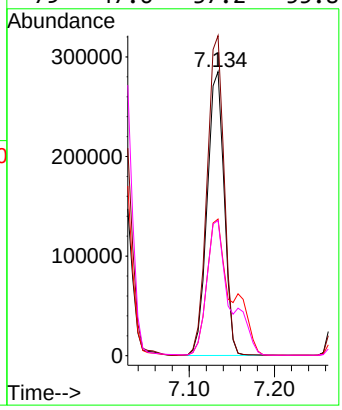




#17
2-Methylphenol
Concen: 43.876 ng
RT: 7.134 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:107 Resp: 39477

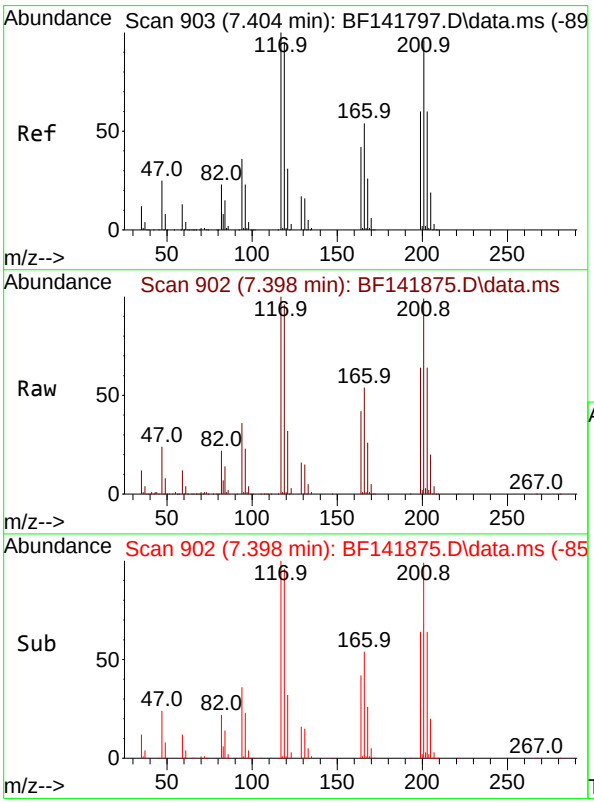
Ion	Ratio	Lower	Upper
107	100		
108	112.7	90.6	135.8
77	48.1	37.7	56.5
79	47.6	37.2	55.8



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
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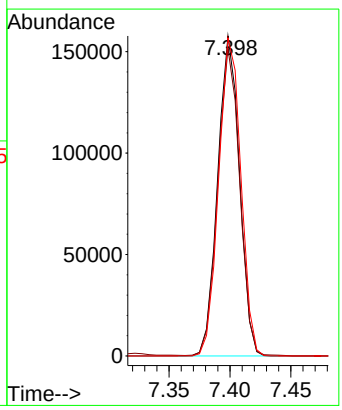
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

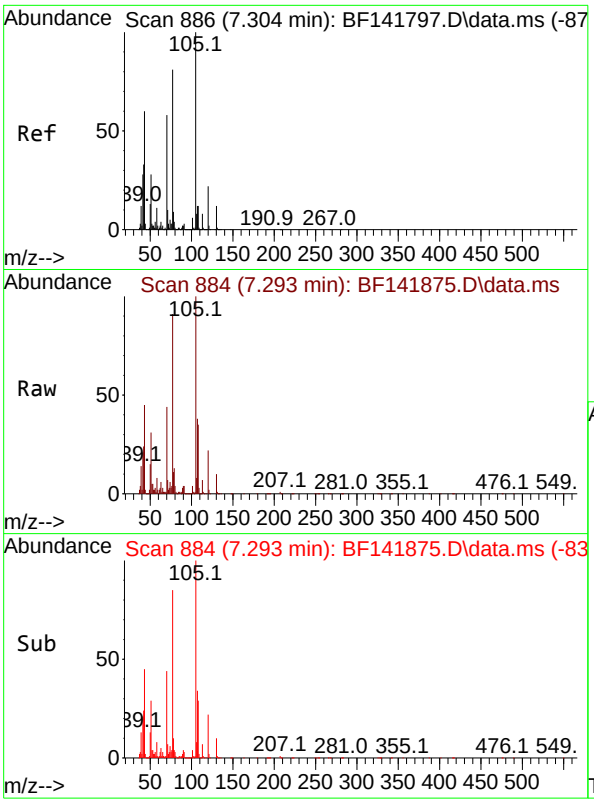


#18
Hexachloroethane
Concen: 44.696 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:117 Resp: 196768

Ion	Ratio	Lower	Upper
117	100		
119	96.1	75.8	113.8
201	99.4	76.7	115.1

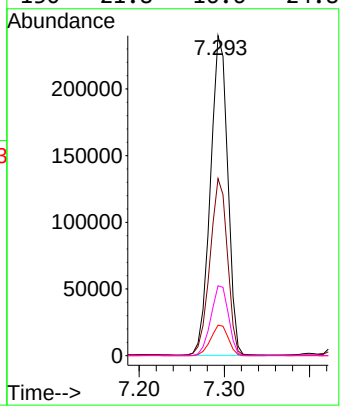




#19
n-Nitroso-di-n-propylamine
Concen: 39.167 ng
RT: 7.293 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion: 70 Resp: 33768

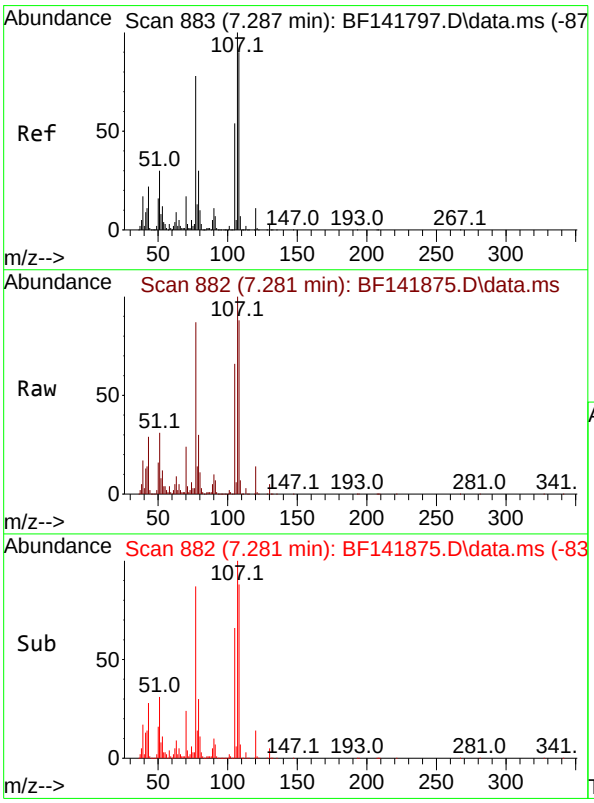
Ion	Ratio	Lower	Upper
70	100		
42	55.3	45.4	68.0
101	9.5	7.8	11.8
130	21.8	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
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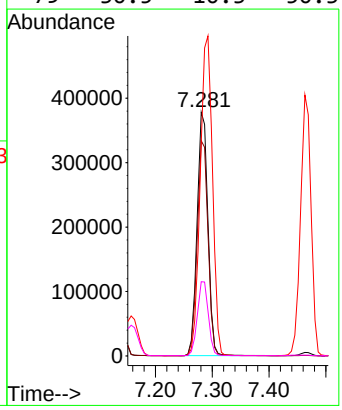
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

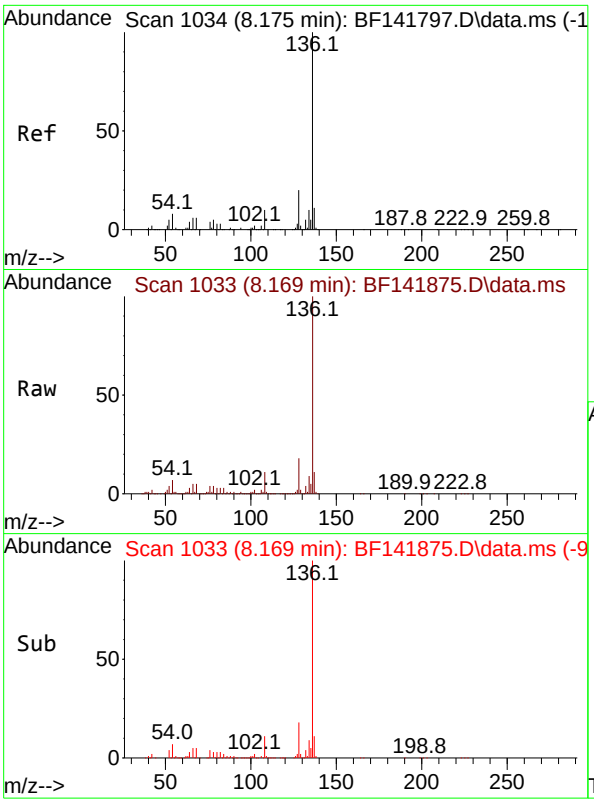


#20
3+4-Methylphenols
Concen: 44.793 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:107 Resp: 501845

Ion	Ratio	Lower	Upper
107	100		
108	88.4	69.7	109.7
77	87.2	58.3	98.3
79	30.5	10.3	50.3

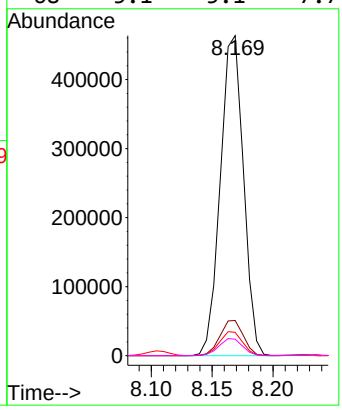




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:136 Resp: 614399

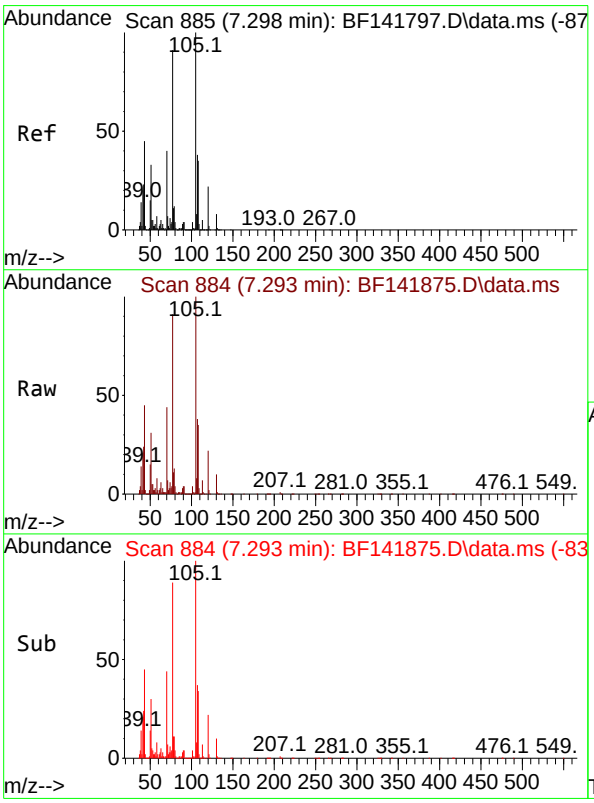
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.3	6.9	10.3
68	5.1	5.1	7.7



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
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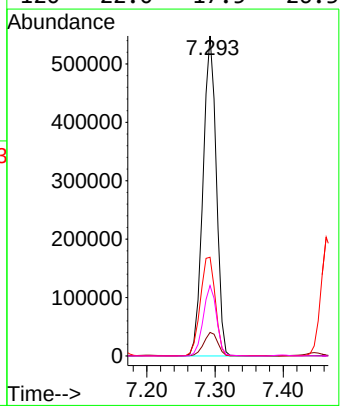
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

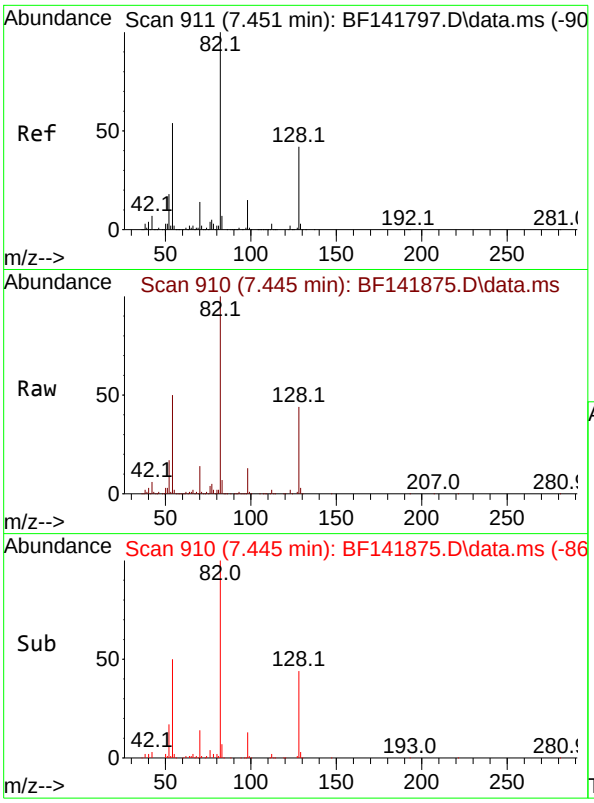


#22
Acetophenone
Concen: 49.518 ng
RT: 7.293 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:105 Resp: 740981

Ion	Ratio	Lower	Upper
105	100		
71	7.3	5.4	8.0
51	30.9	26.1	39.1
120	22.0	17.5	26.3





#23
Nitrobenzene-d5
Concen: 92.179 ng
RT: 7.445 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

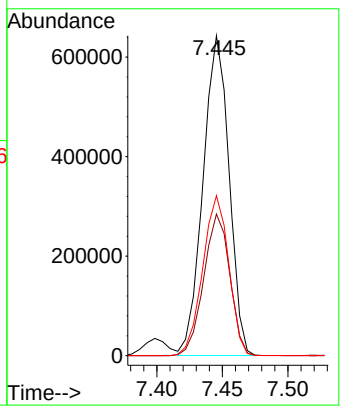
Tgt Ion: 82 Resp: 88602

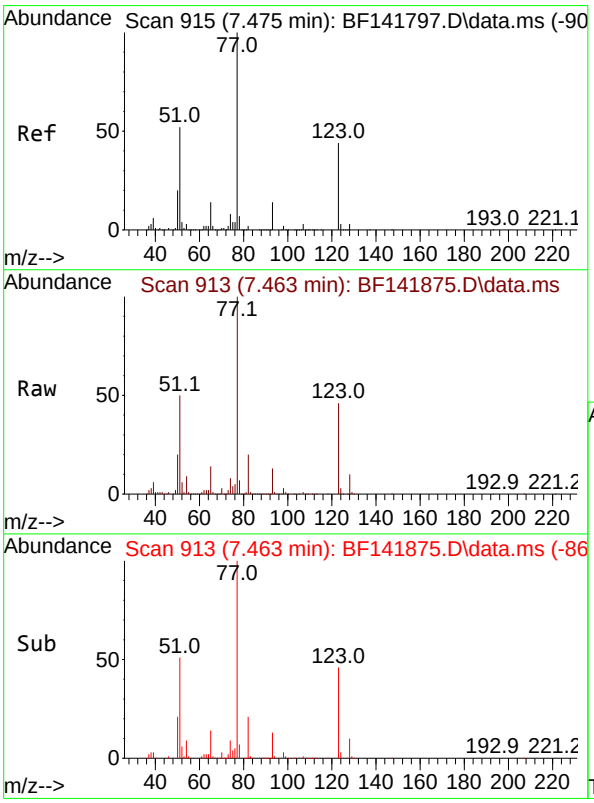
Ion	Ratio	Lower	Upper
82	100		
128	44.2	33.5	50.3
54	50.0	42.7	64.1

Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

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Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

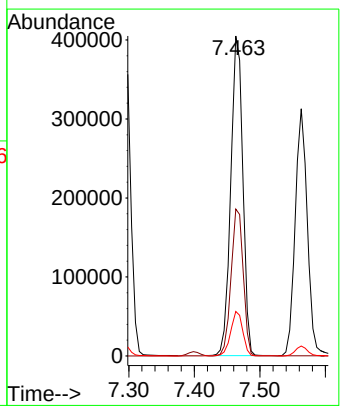


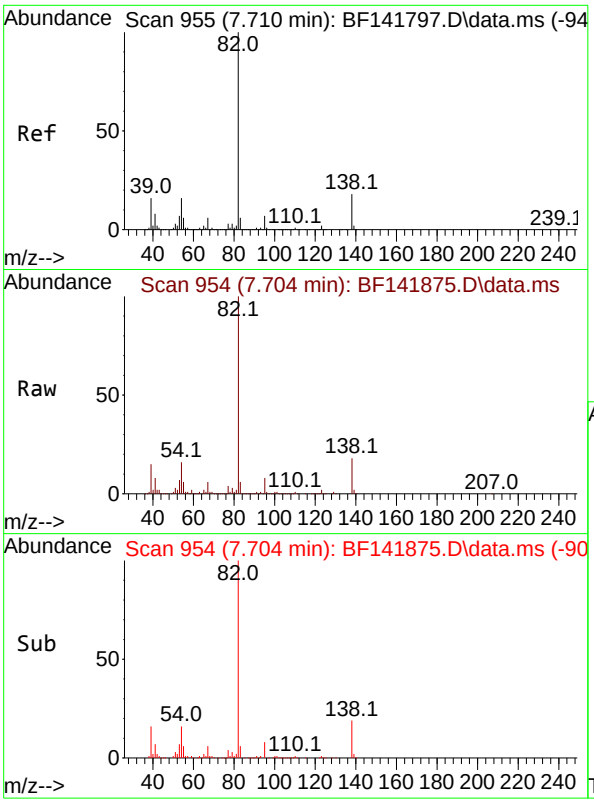


#24
Nitrobenzene
Concen: 50.372 ng
RT: 7.463 min Scan# 913
Delta R.T. -0.012 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion: 77 Resp: 518479

Ion	Ratio	Lower	Upper
77	100		
123	45.9	35.8	53.8
65	13.9	11.2	16.8

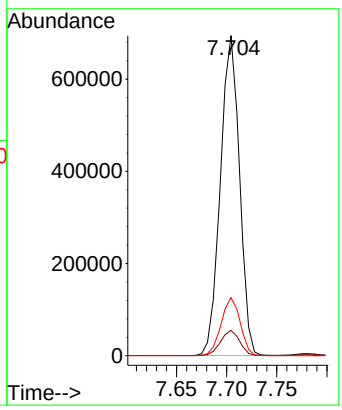




#25
Isophorone
Concen: 44.476 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion: 82 Resp: 91842

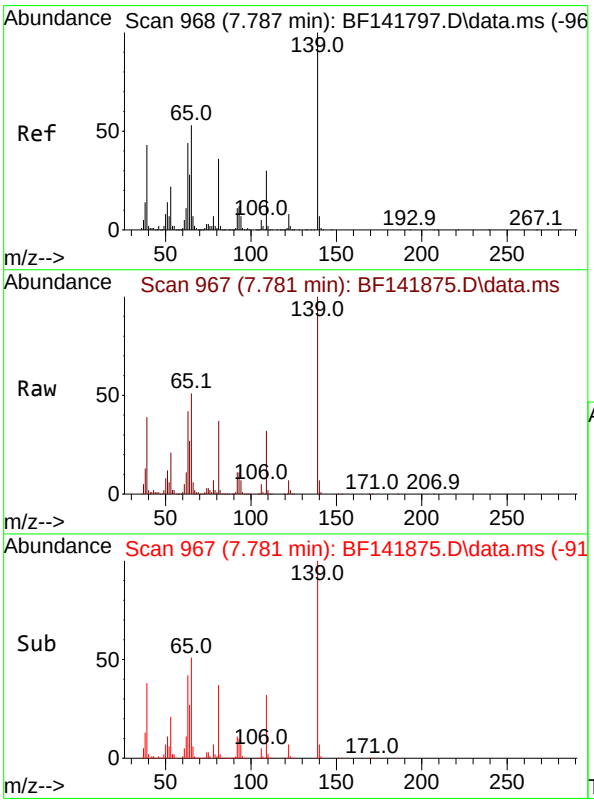
Ion	Ratio	Lower	Upper
82	100		
95	7.9	5.8	8.8
138	18.1	14.0	21.0



Instrument :
BNA_F
ClientSampleId :
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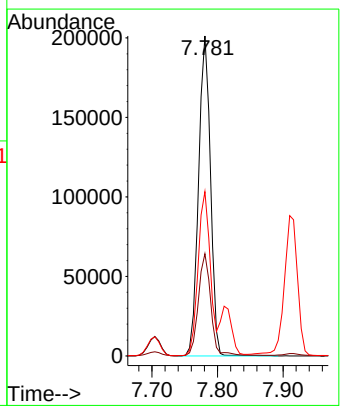
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

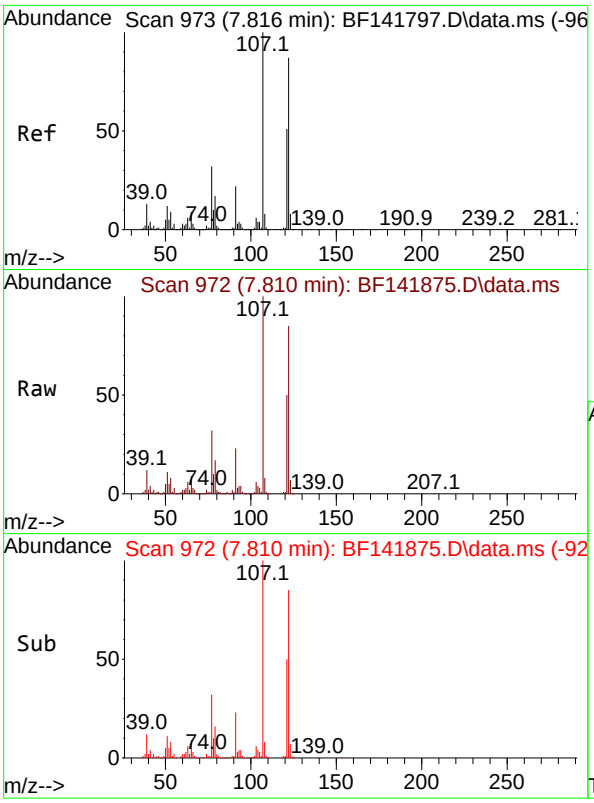


#26
2-Nitrophenol
Concen: 54.789 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:139 Resp: 255193

Ion	Ratio	Lower	Upper
139	100		
109	32.0	24.1	36.1
65	51.4	42.3	63.5

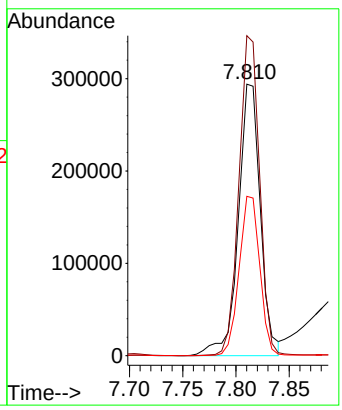




#27
2,4-Dimethylphenol
Concen: 55.914 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:122 Resp: 42442

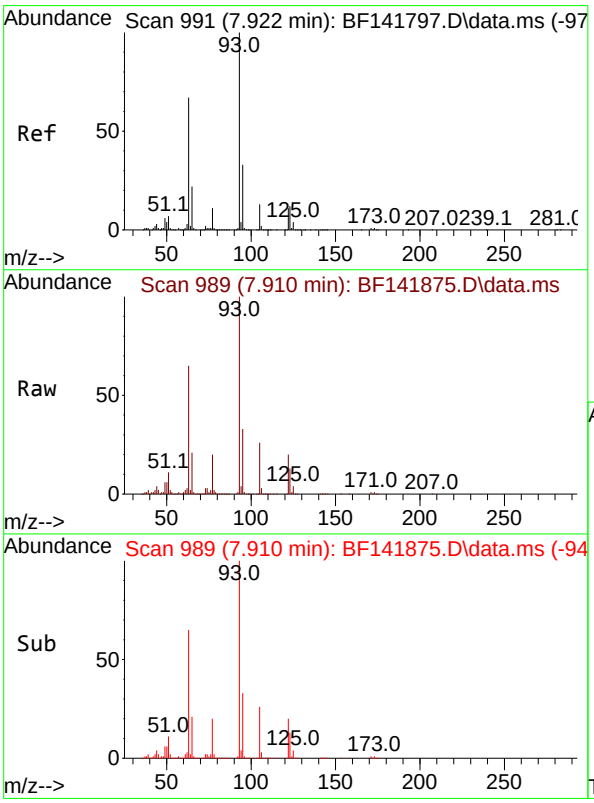
Ion	Ratio	Lower	Upper
122	100		
107	117.8	92.5	138.7
121	58.7	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

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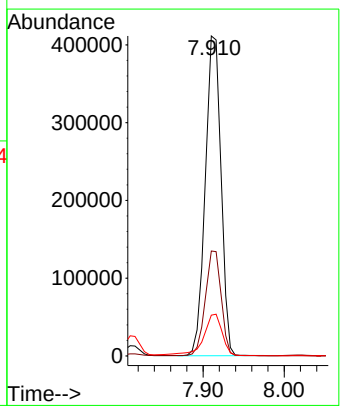
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

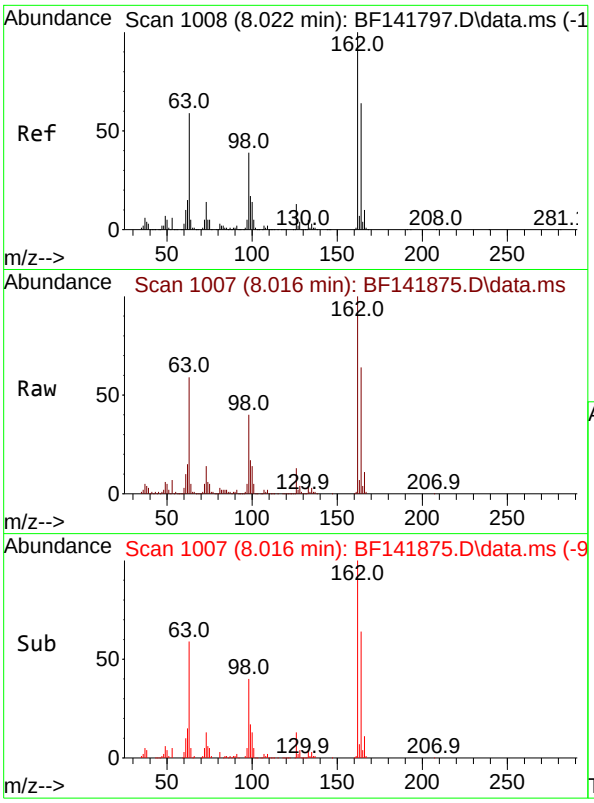


#28
bis(2-Chloroethoxy)methane
Concen: 41.988 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.012 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion: 93 Resp: 553095

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.5	39.7
123	12.8	10.0	15.0

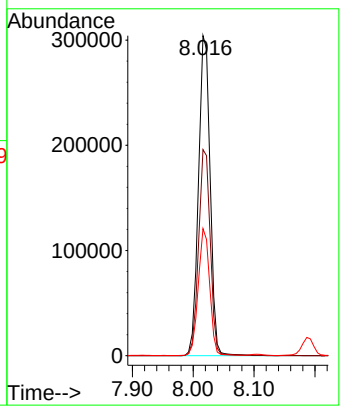




#29
2,4-Dichlorophenol
Concen: 46.287 ng
RT: 8.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:162 Resp: 40533

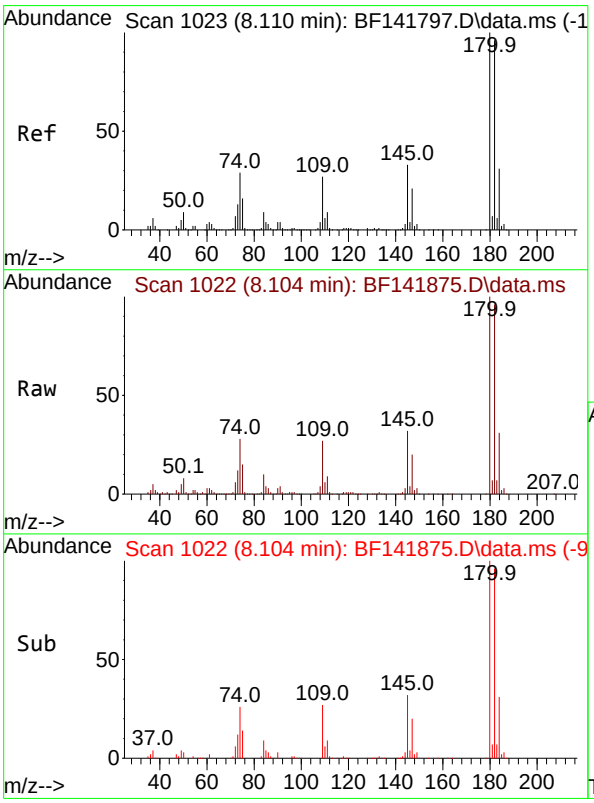
Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.3	84.3
98	39.7	19.6	59.6



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
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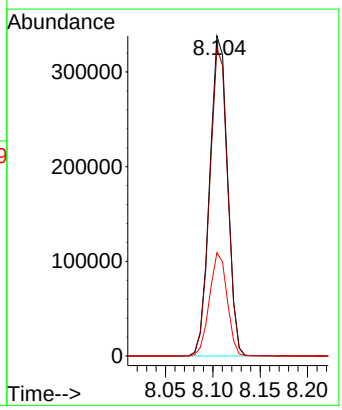
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

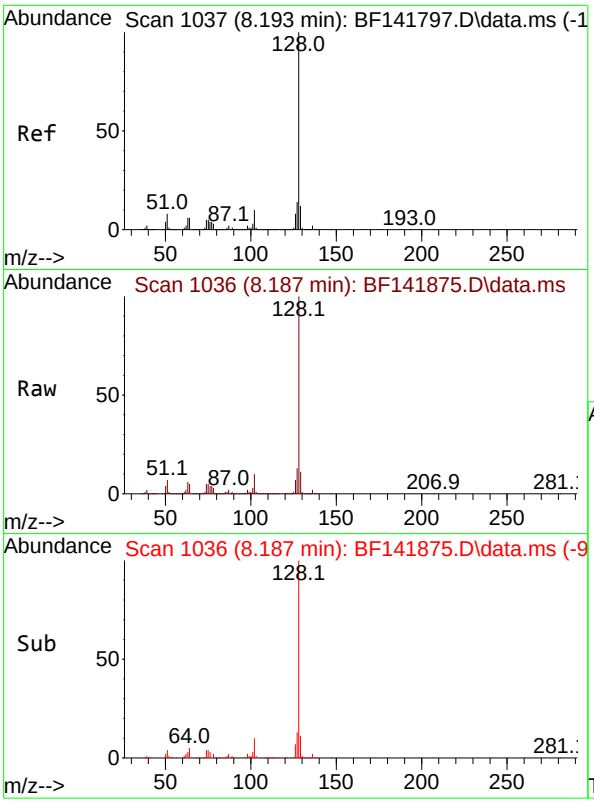


#30
1,2,4-Trichlorobenzene
Concen: 46.277 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:180 Resp: 444064

Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.8	115.2
145	32.2	26.4	39.6

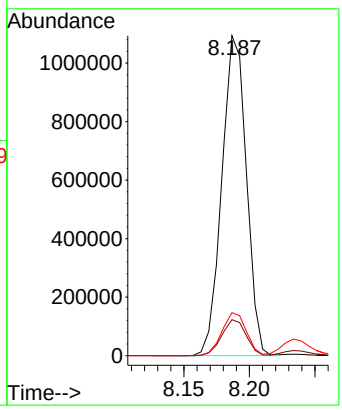




#31
Naphthalene
Concen: 45.090 ng
RT: 8.187 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:128 Resp: 142382

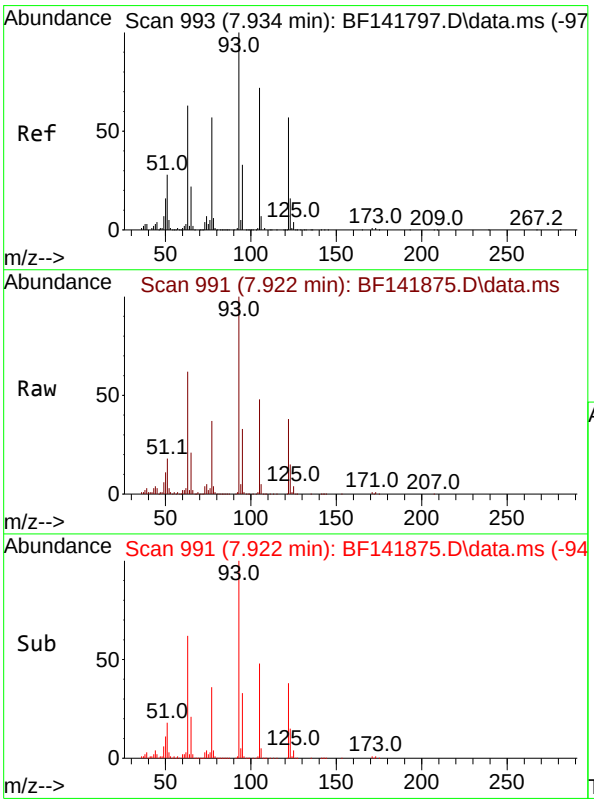
Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.2	13.8
127	13.4	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

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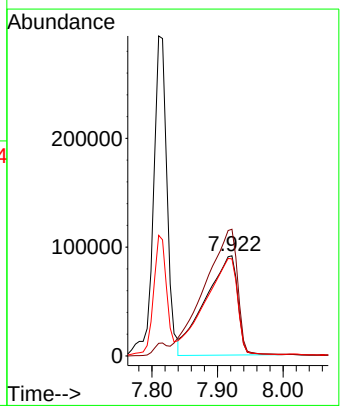
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

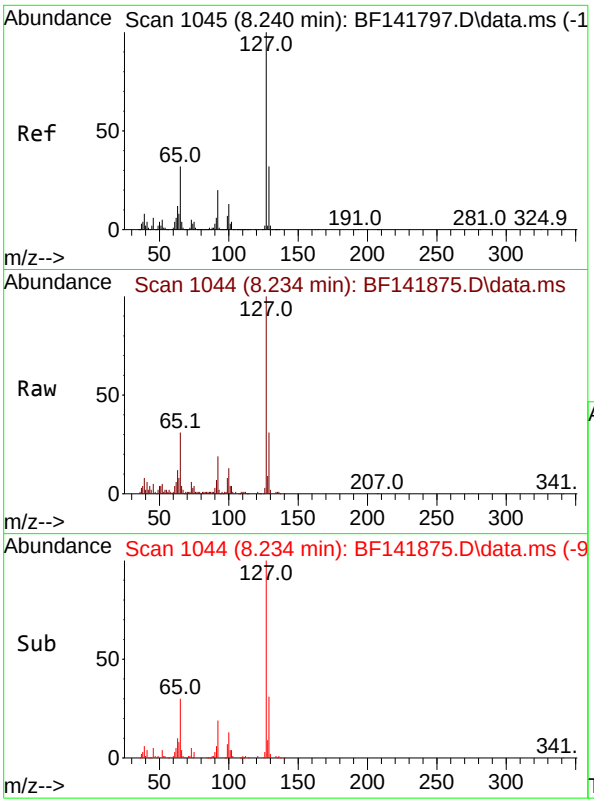


#32
Benzoic acid
Concen: 49.124 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.012 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:122 Resp: 312587

Ion	Ratio	Lower	Upper
122	100		
105	126.6	105.8	145.8
77	97.1	79.9	119.9

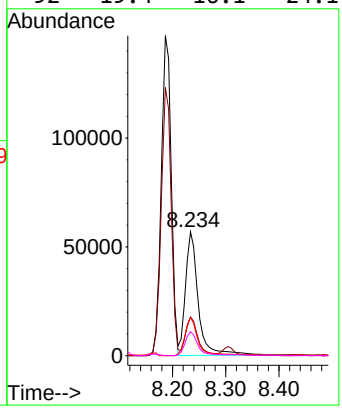




#33
4-Chloroaniline
Concen: 8.201 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:127 Resp: 9495

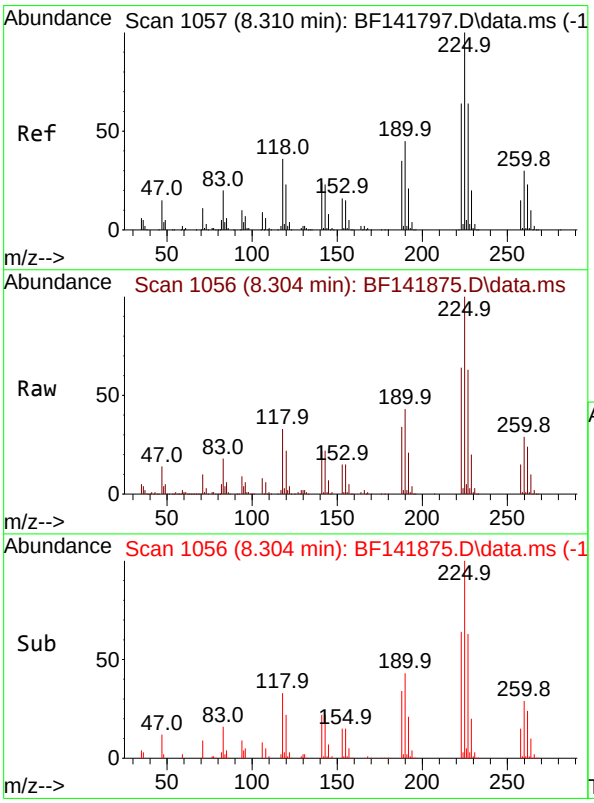
Ion	Ratio	Lower	Upper
127	100		
129	31.3	26.1	39.1
65	31.1	25.7	38.5
92	19.4	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

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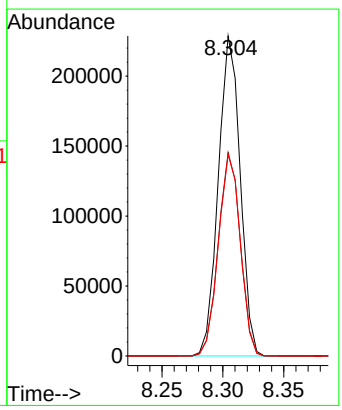
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

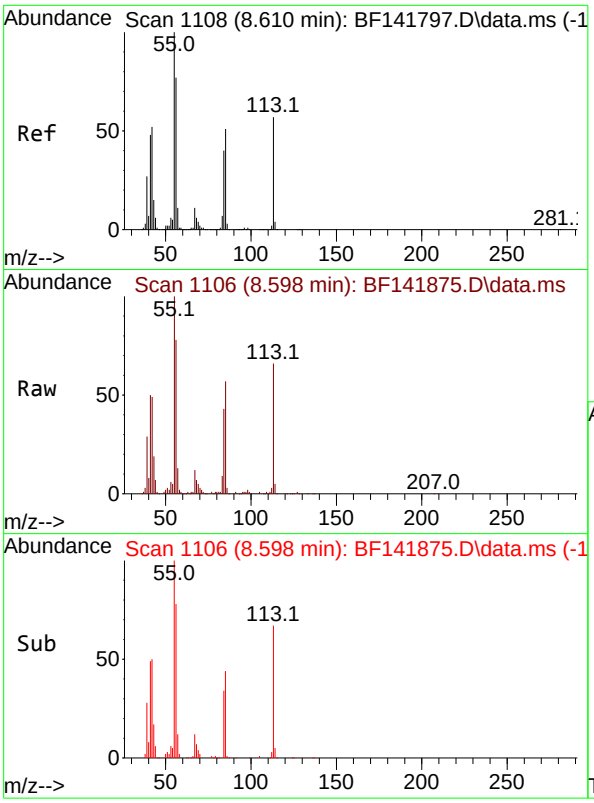


#34
Hexachlorobutadiene
Concen: 47.957 ng
RT: 8.304 min Scan# 1056
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:225 Resp: 285961

Ion	Ratio	Lower	Upper
225	100		
223	63.5	51.4	77.2
227	62.9	51.6	77.4





#35
Caprolactam
Concen: 50.370 ng m
RT: 8.598 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

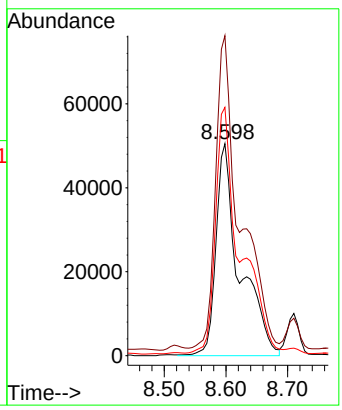
Tgt Ion:113 Resp: 13569

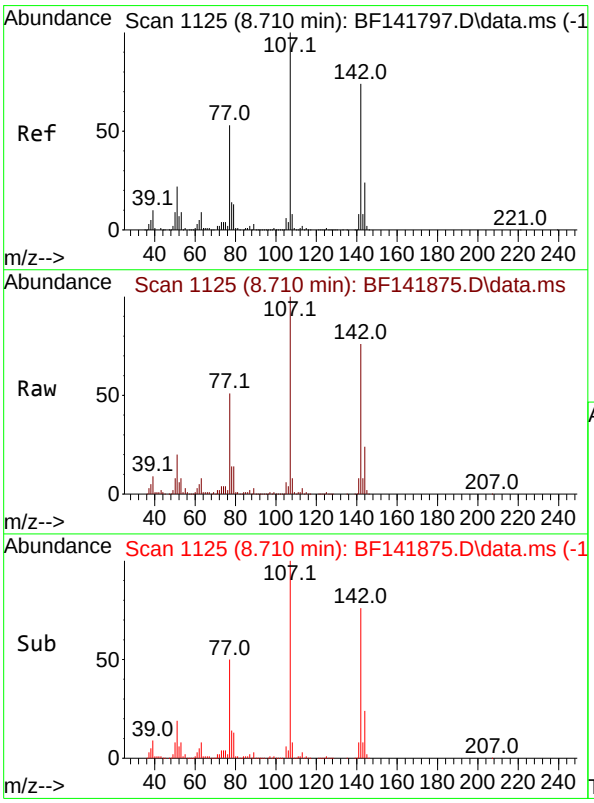
Ion	Ratio	Lower	Upper
113	100		
55	151.0	155.6	195.6
56	117.2	114.6	154.6

Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

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Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

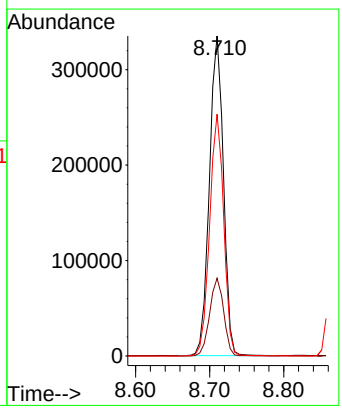


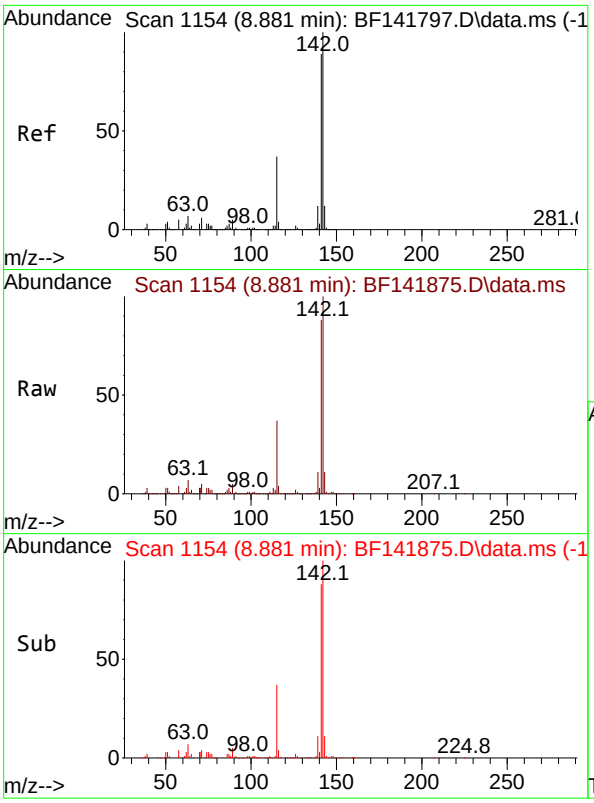


#36
4-Chloro-3-methylphenol
Concen: 45.368 ng
RT: 8.710 min Scan# 1125
Delta R.T. -0.000 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:107 Resp: 441335

Ion	Ratio	Lower	Upper
107	100		
144	24.3	19.4	29.0
142	75.5	59.4	89.0

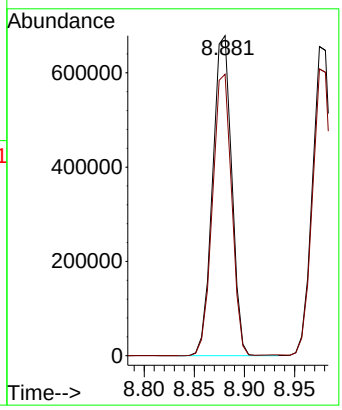




#37
2-Methylnaphthalene
Concen: 43.459 ng
RT: 8.881 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:142 Resp: 90012

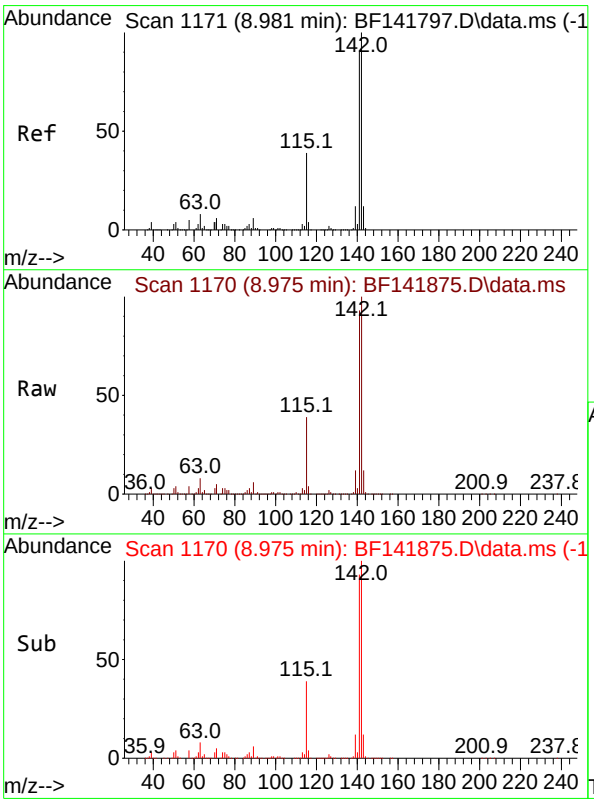
Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.1	106.7



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

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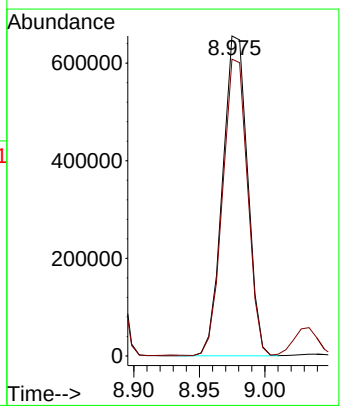
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

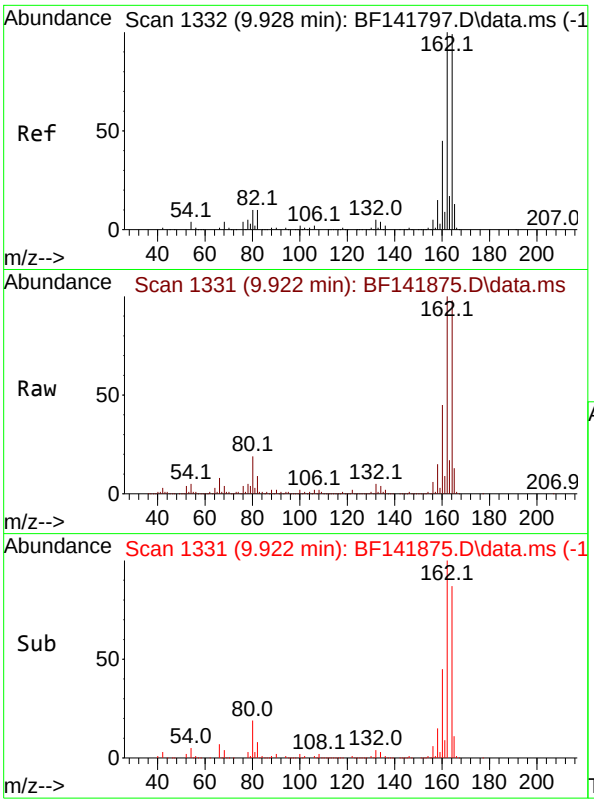


#38
1-Methylnaphthalene
Concen: 43.649 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:142 Resp: 867480

Ion	Ratio	Lower	Upper
142	100		
141	92.7	73.1	109.7

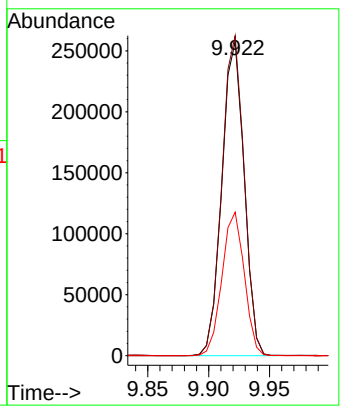




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:164 Resp: 32779

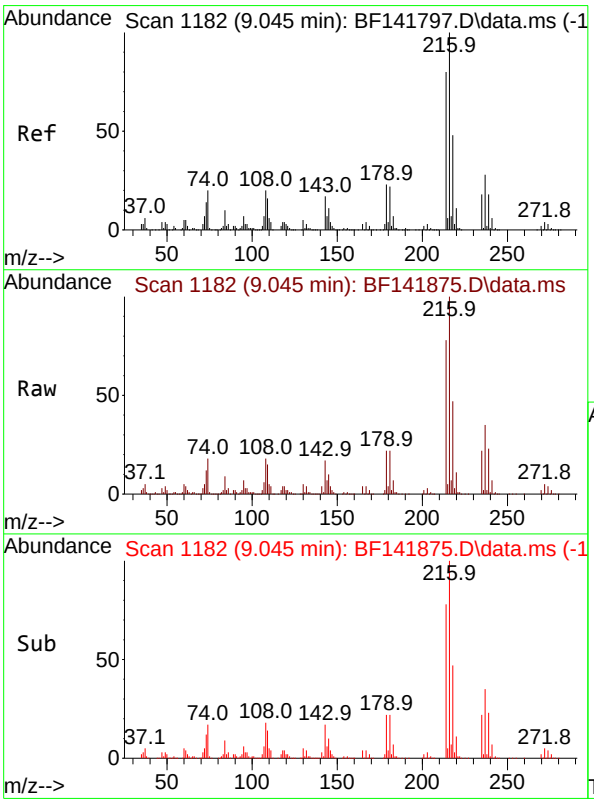
Ion	Ratio	Lower	Upper
164	100		
162	102.0	80.6	120.8
160	45.8	36.3	54.5



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
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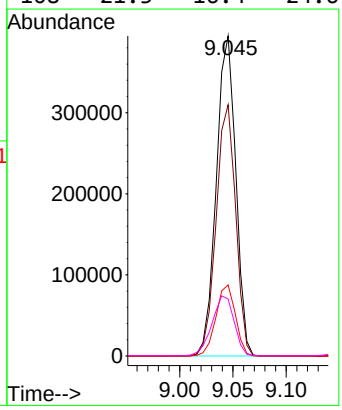
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

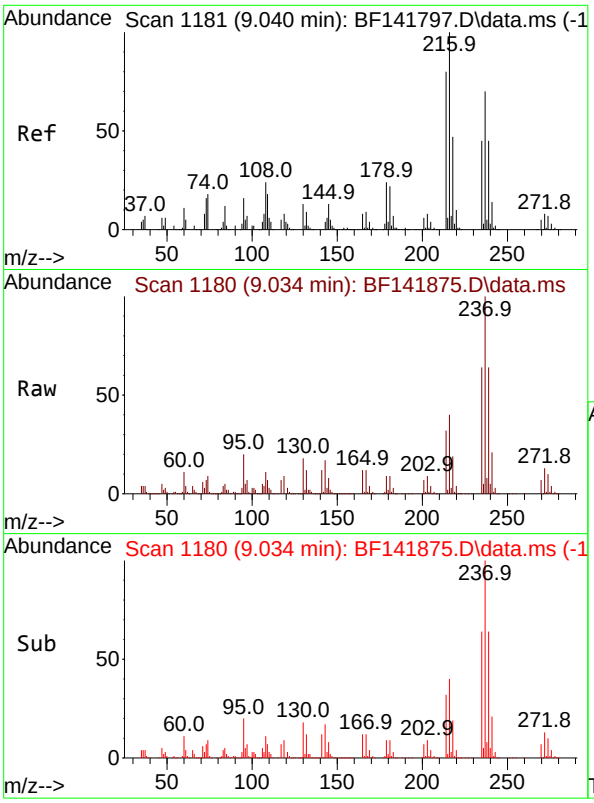


#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.870 ng
RT: 9.045 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:216 Resp: 500515

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.5	95.3
179	22.3	18.1	27.1
108	21.3	16.4	24.6





#41
Hexachlorocyclopentadiene
Concen: 157.478 ng
RT: 9.034 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

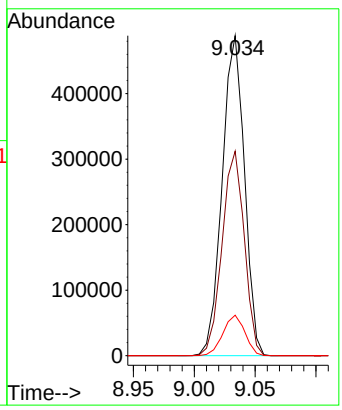
Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

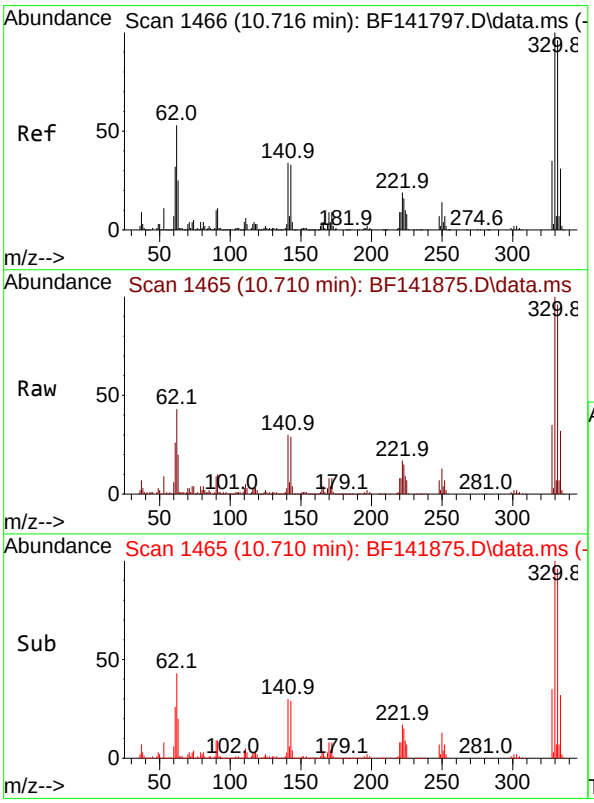
Tgt Ion:237 Resp: 62216

Ion	Ratio	Lower	Upper
237	100		
235	63.9	43.3	83.3
272	12.7	0.0	31.9

Manual Integrations
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Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

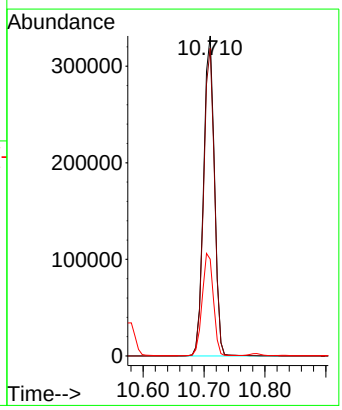


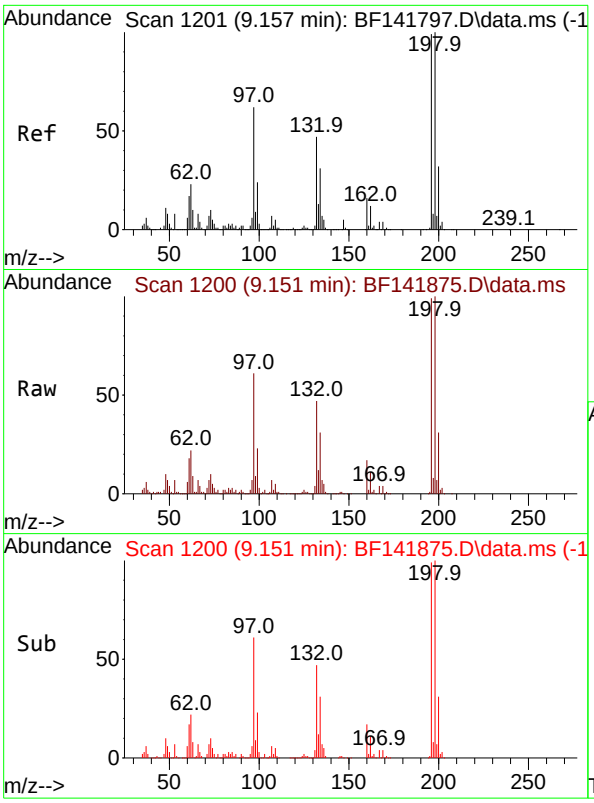


#42
2,4,6-Tribromophenol
Concen: 133.330 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:330 Resp: 410304

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	115.0
141	33.0	29.0	43.4

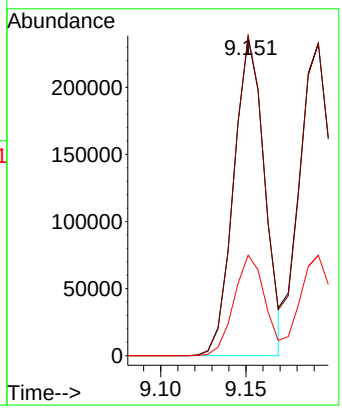




#43
2,4,6-Trichlorophenol
Concen: 48.796 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:196 Resp: 29840

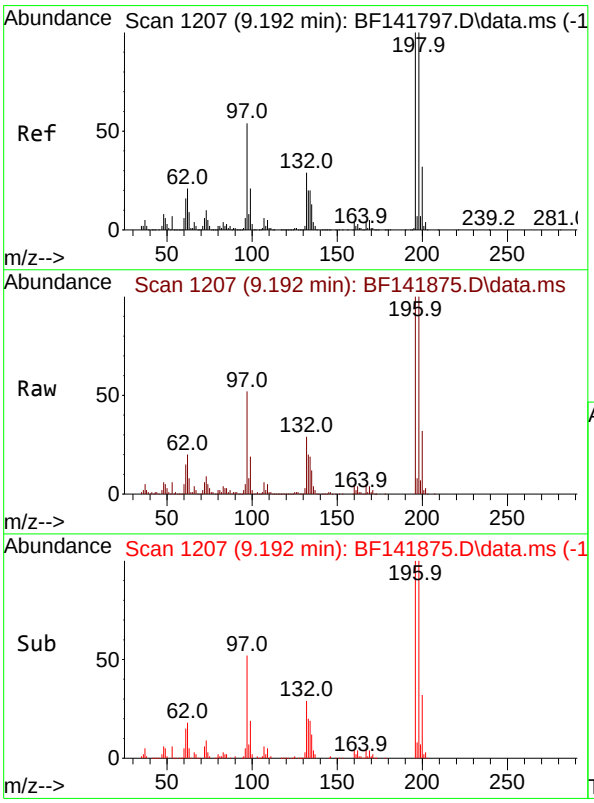
Ion	Ratio	Lower	Upper
196	100		
198	100.6	80.4	120.6
200	31.6	25.7	38.5



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
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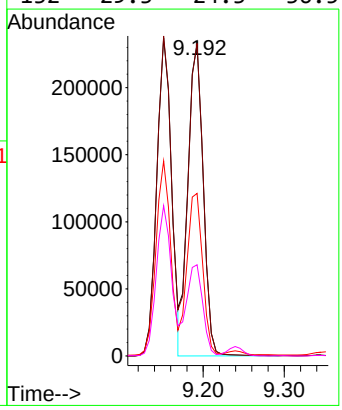
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

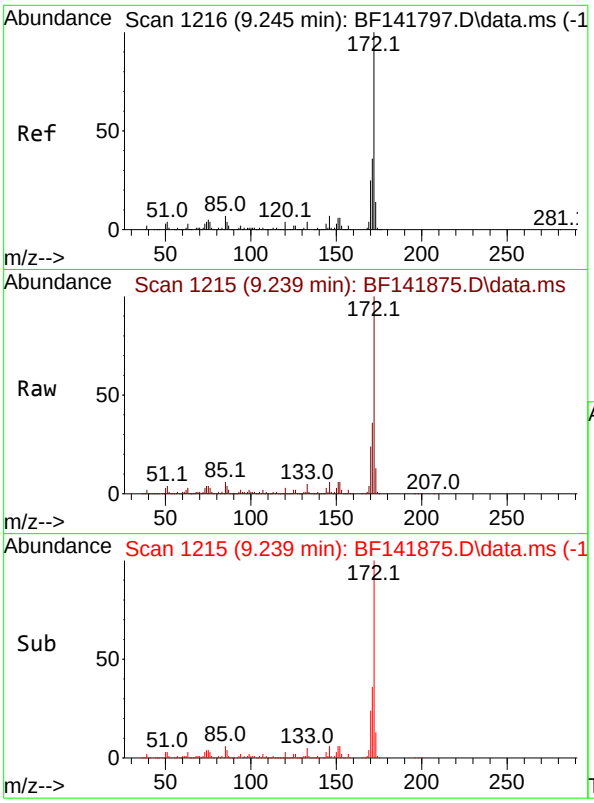


#44
2,4,5-Trichlorophenol
Concen: 50.396 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.000 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:196 Resp: 305173

Ion	Ratio	Lower	Upper
196	100		
198	100.2	79.7	119.5
97	52.1	44.2	66.2
132	29.3	24.3	36.5

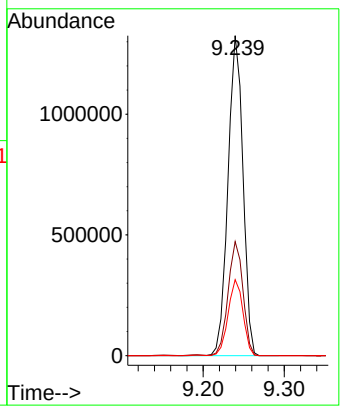




#45
2-Fluorobiphenyl
Concen: 83.093 ng
RT: 9.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:172 Resp: 169865

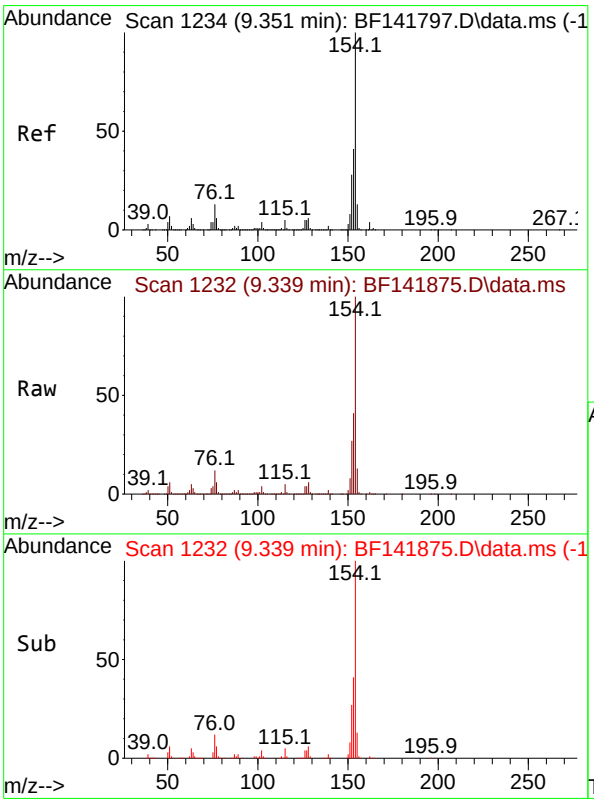
Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.2	43.8
170	23.7	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
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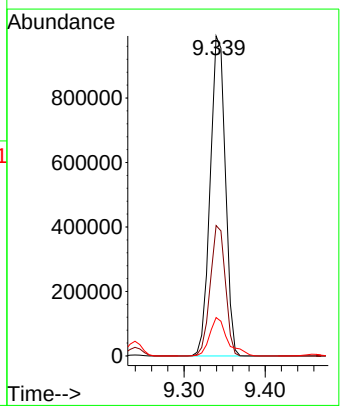
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

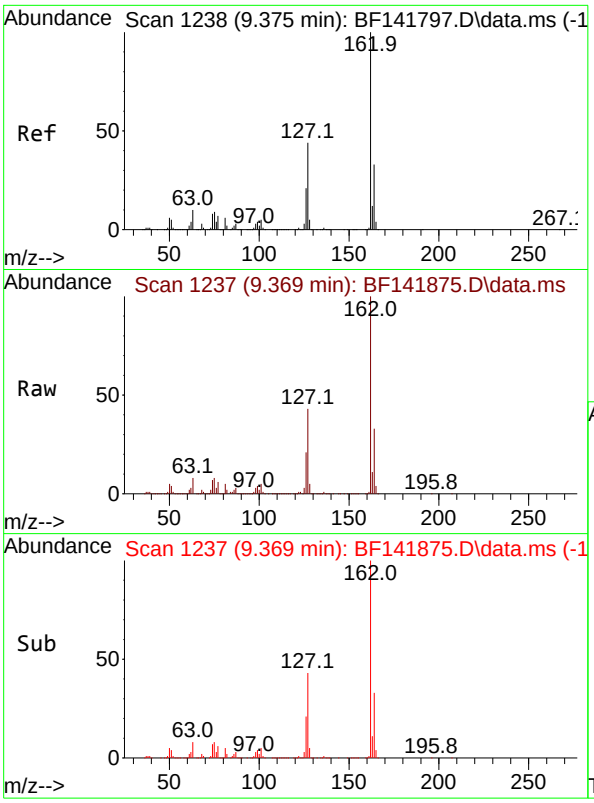


#46
1,1'-Biphenyl
Concen: 51.457 ng
RT: 9.339 min Scan# 1232
Delta R.T. -0.012 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:154 Resp: 1283855

Ion	Ratio	Lower	Upper
154	100		
153	40.7	21.4	61.4
76	12.0	0.0	33.4

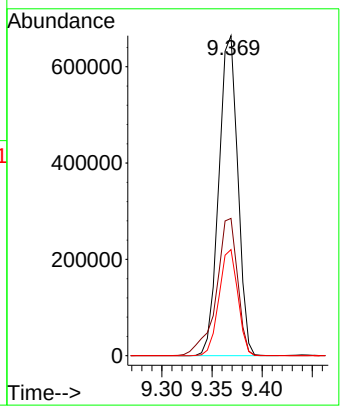




#47
2-Chloronaphthalene
Concen: 47.263 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:162 Resp: 87035

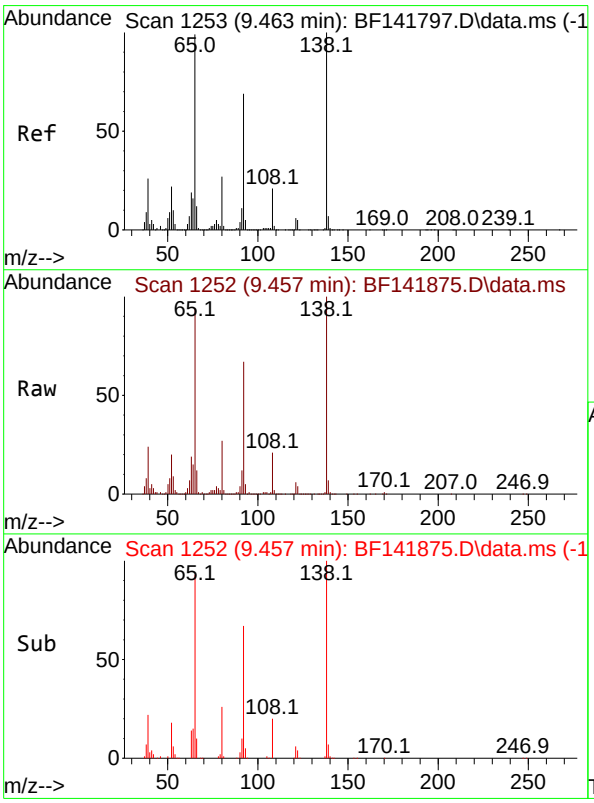
Ion	Ratio	Lower	Upper
162	100		
127	42.9	35.0	52.6
164	33.1	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
APPROVED

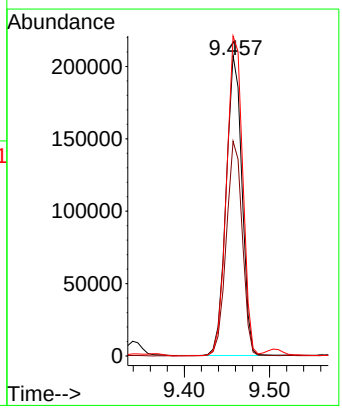
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

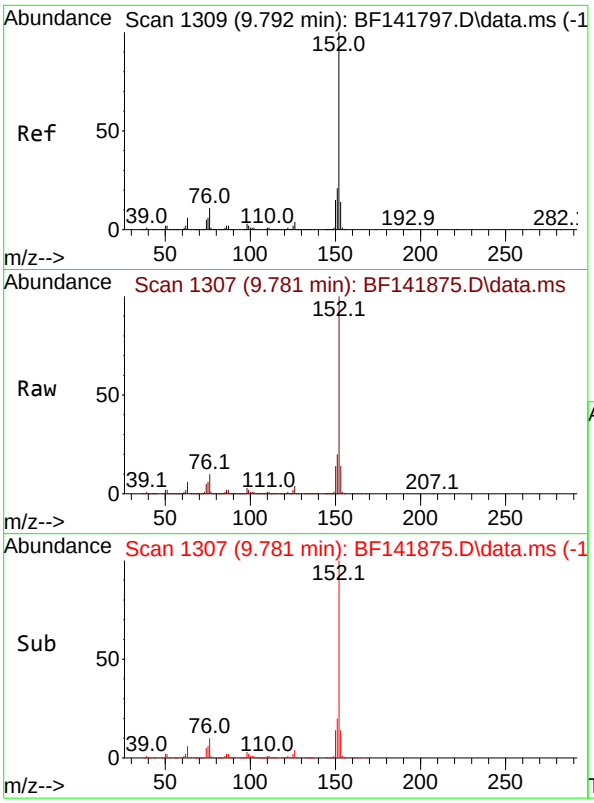


#48
2-Nitroaniline
Concen: 52.825 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion: 65 Resp: 268692

Ion	Ratio	Lower	Upper
65	100		
92	71.5	55.7	83.5
138	106.5	80.6	121.0

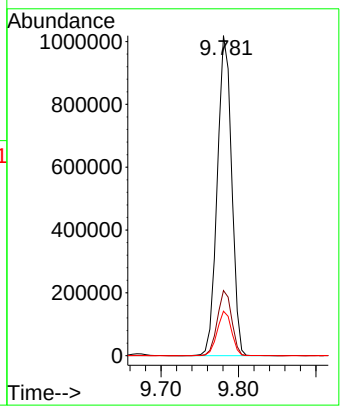




#49
Acenaphthylene
Concen: 47.427 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:152 Resp: 130947

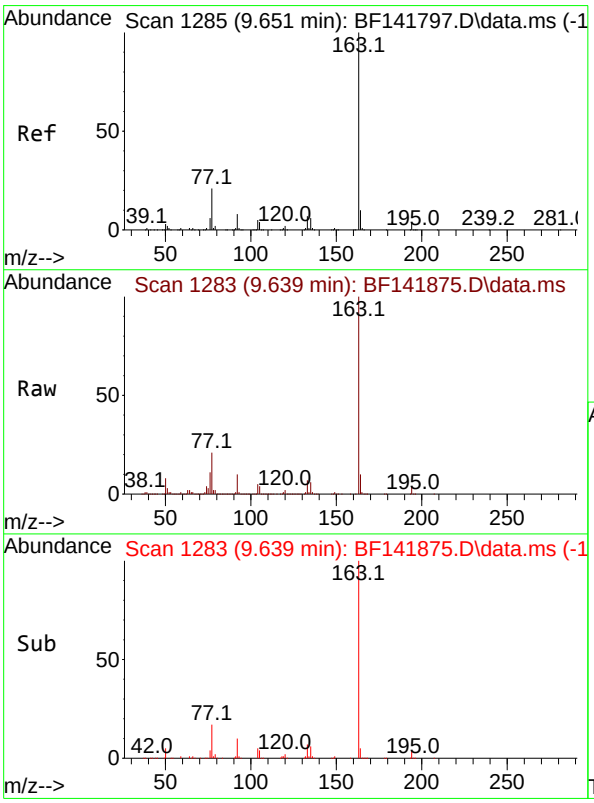
Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.6	24.8
153	13.9	11.2	16.8



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
APPROVED

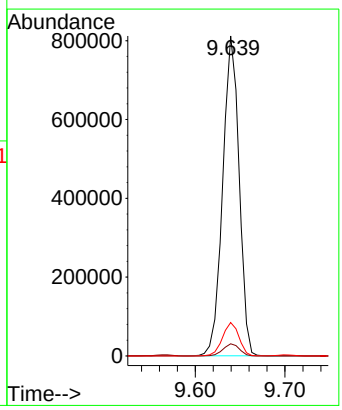
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

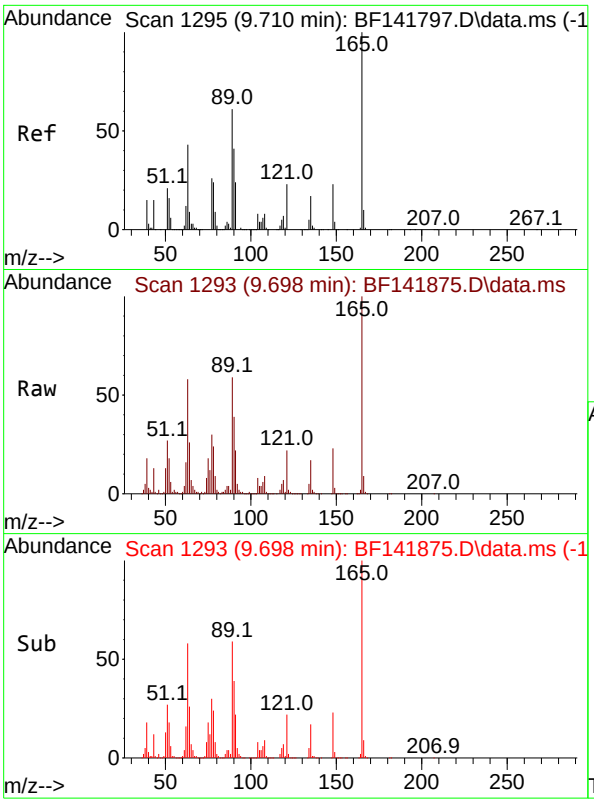


#50
Dimethylphthalate
Concen: 46.975 ng
RT: 9.639 min Scan# 1283
Delta R.T. -0.012 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:163 Resp: 1031160

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.5	8.4	12.6

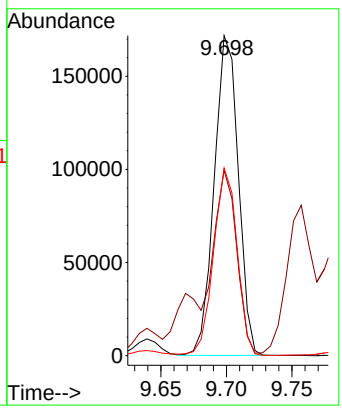




#51
2,6-Dinitrotoluene
Concen: 51.868 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:165 Resp: 21882

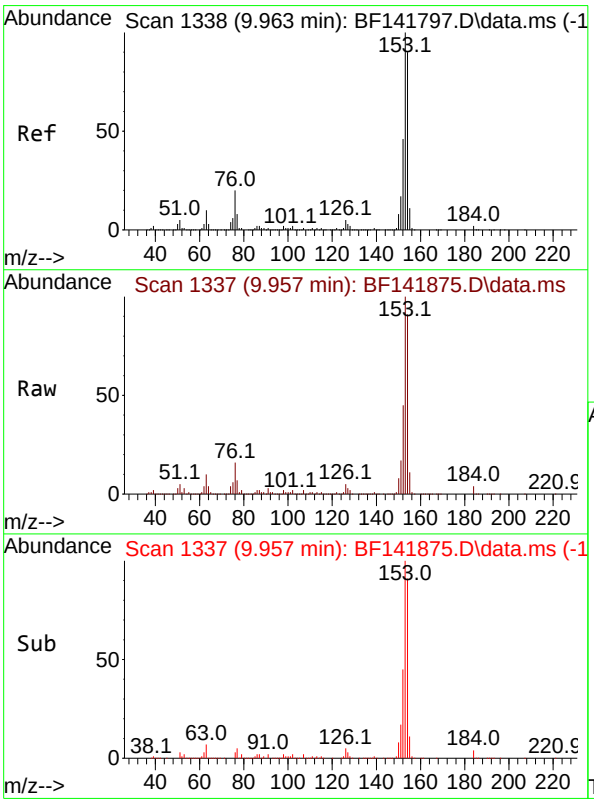
Ion	Ratio	Lower	Upper
165	100		
63	57.9	49.5	74.3
89	58.6	49.0	73.4



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
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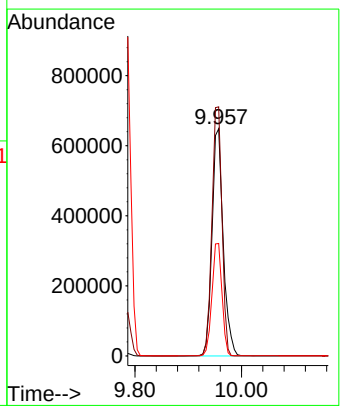
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

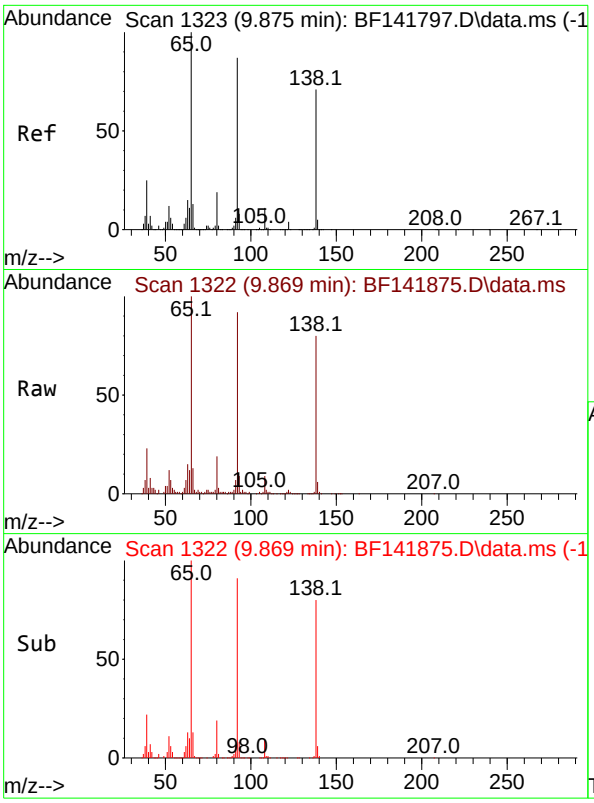


#52
Acenaphthene
Concen: 50.823 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:154 Resp: 946830

Ion	Ratio	Lower	Upper
154	100		
153	109.6	88.7	133.1
152	49.5	40.9	61.3





#53
3-Nitroaniline
Concen: 26.451 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

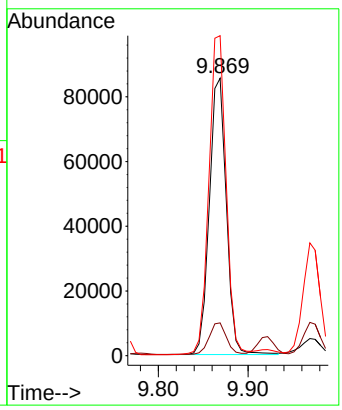
Tgt Ion:138 Resp: 11196

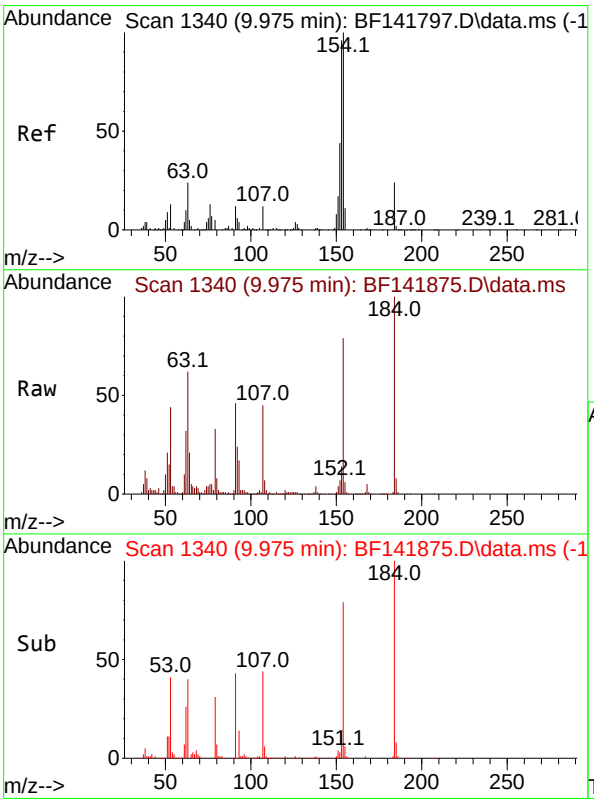
Ion	Ratio	Lower	Upper
138	100		
108	11.8	12.7	19.1#
92	115.3	97.9	146.9

Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
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Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

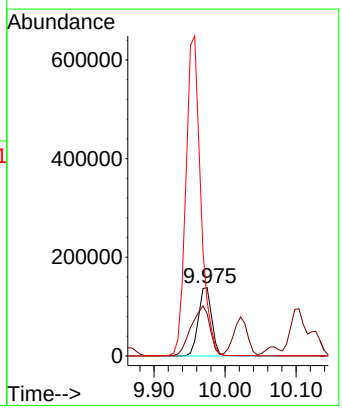


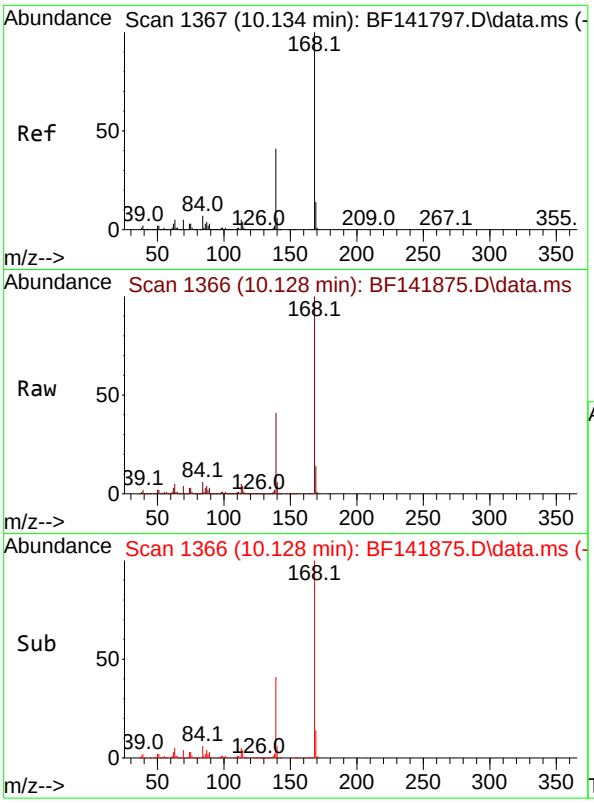


#54
2,4-Dinitrophenol
Concen: 90.344 ng
RT: 9.975 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:184 Resp: 182172

Ion	Ratio	Lower	Upper
184	100		
63	62.1	79.0	118.6#
154	79.2	335.8	503.8#

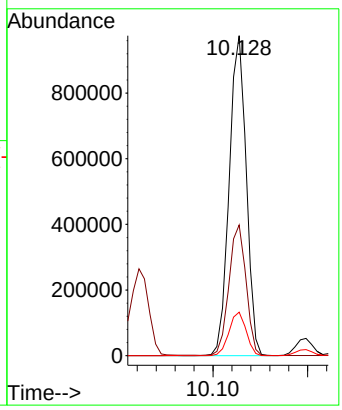




#55
Dibenzofuran
Concen: 44.996 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:168 Resp: 122008

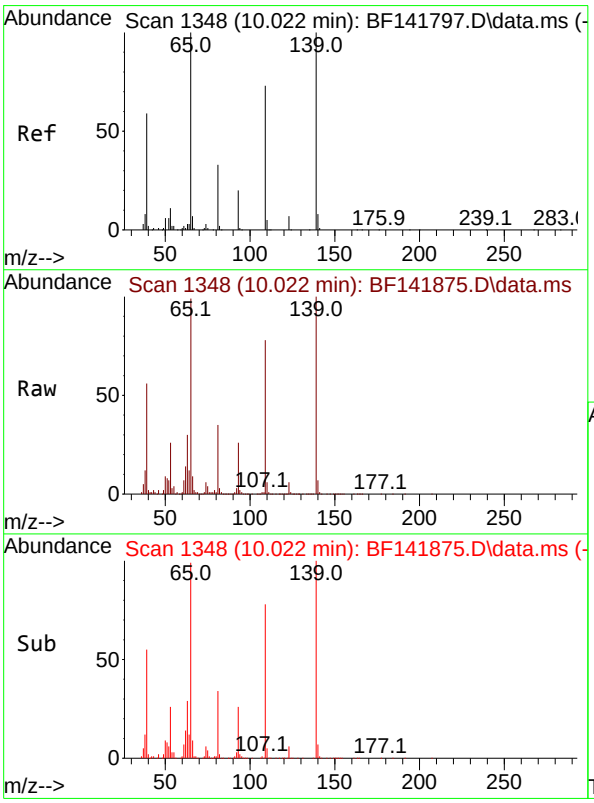
Ion	Ratio	Lower	Upper
168	100		
139	40.9	32.9	49.3
169	13.6	11.1	16.7



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
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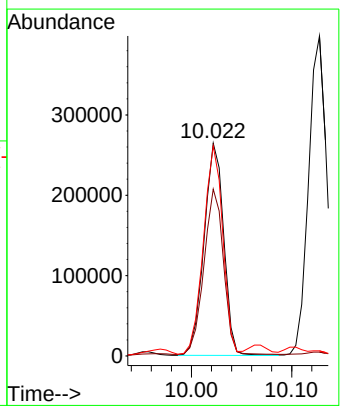
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

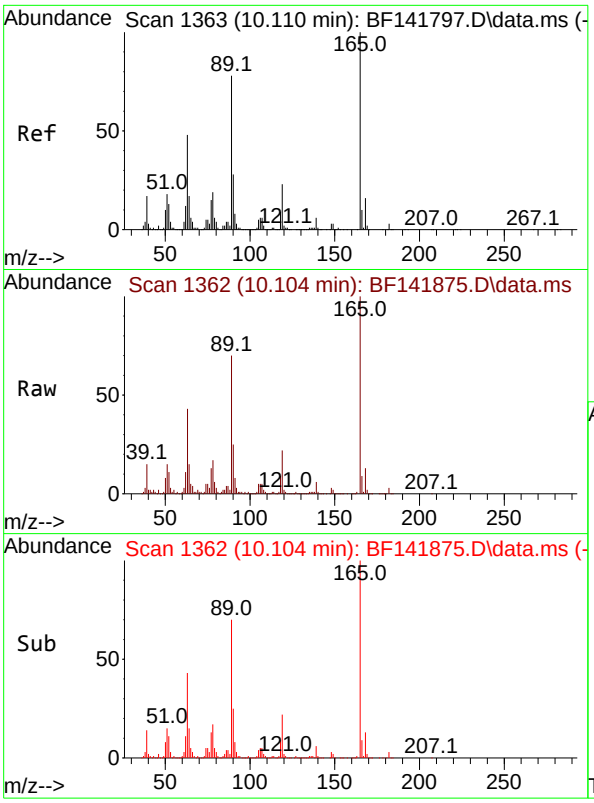


#56
4-Nitrophenol
Concen: 111.235 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:139 Resp: 360637

Ion	Ratio	Lower	Upper
139	100		
109	78.4	53.4	93.4
65	98.7	82.1	122.1

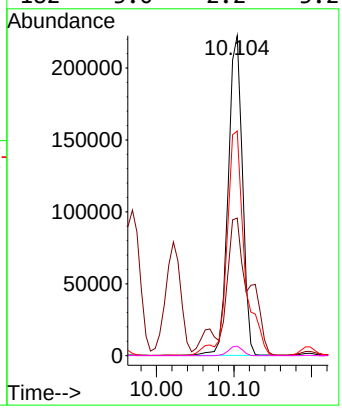




#57
2,4-Dinitrotoluene
Concen: 54.855 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:165 Resp: 28415

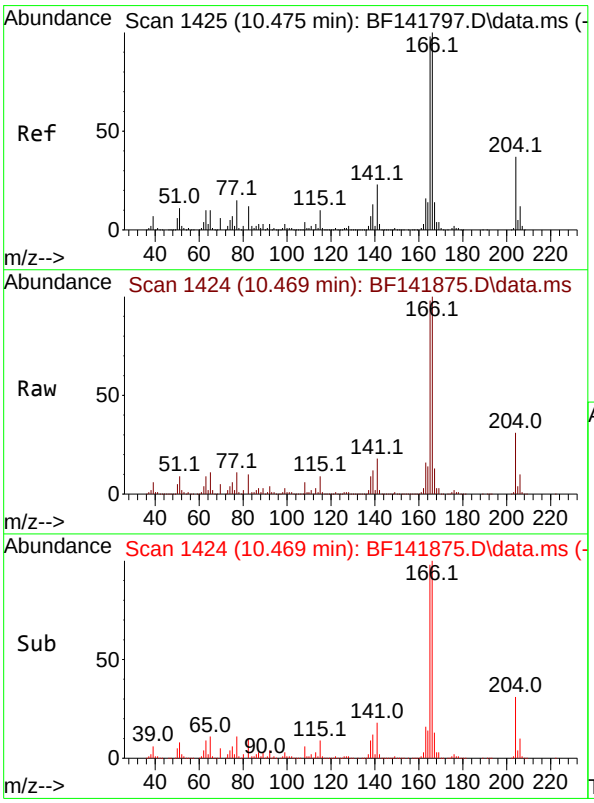
Ion	Ratio	Lower	Upper
165	100		
63	43.0	38.8	58.2
89	70.2	62.6	94.0
182	3.0	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
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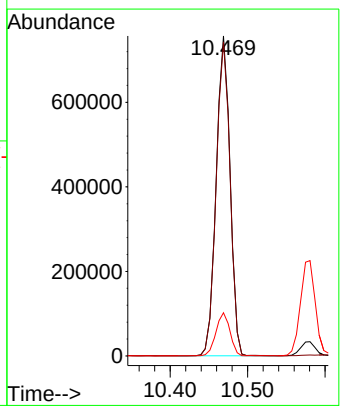
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

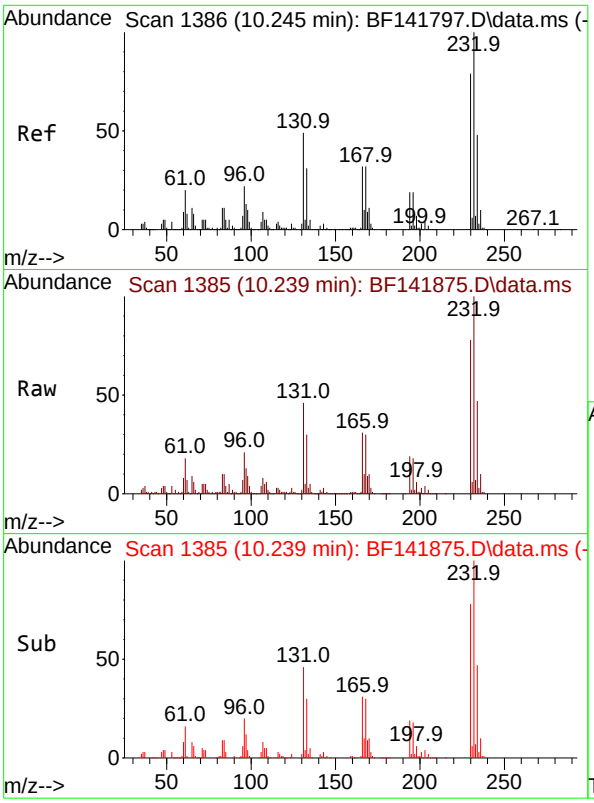


#58
Fluorene
Concen: 46.327 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:166 Resp: 940964

Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.6	117.8
167	13.5	11.0	16.4

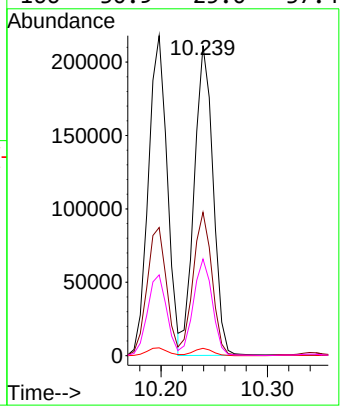




#59
2,3,4,6-Tetrachlorophenol
Concen: 49.341 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:232 Resp: 25985

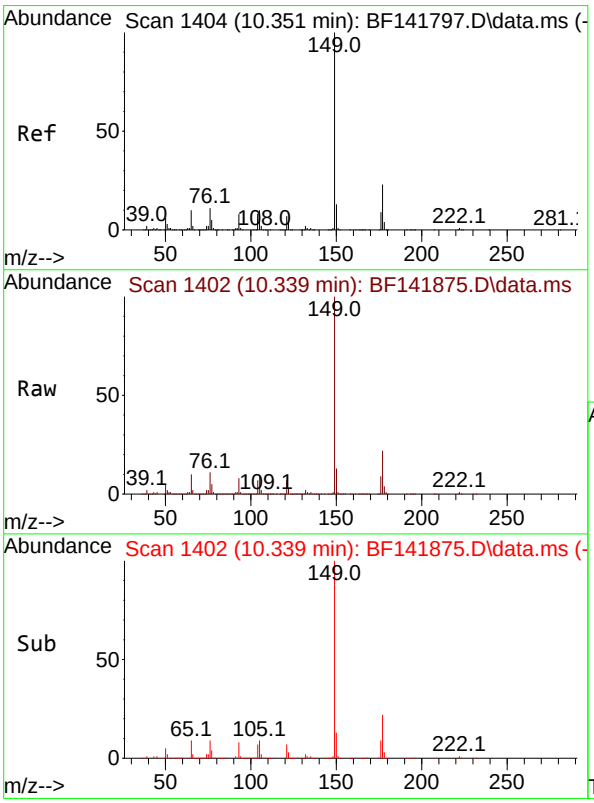
Ion	Ratio	Lower	Upper
232	100		
131	46.2	37.8	56.8
130	2.5	2.0	3.0
166	30.9	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
APPROVED

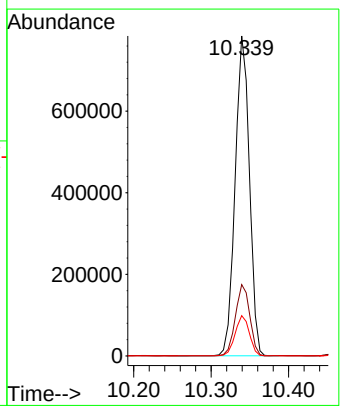
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

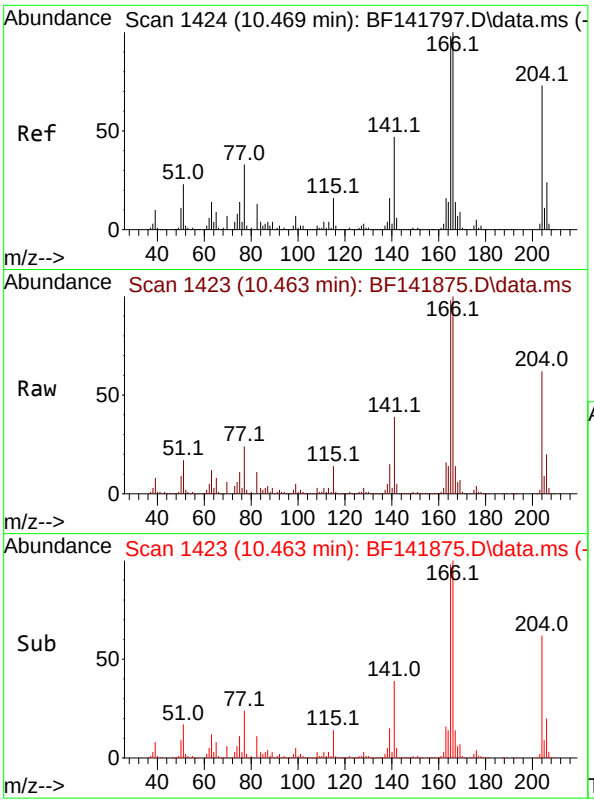


#60
Diethylphthalate
Concen: 45.738 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:149 Resp: 1006514

Ion	Ratio	Lower	Upper
149	100		
177	22.3	18.3	27.5
150	12.6	10.3	15.5





#61
4-Chlorophenyl-phenylether
Concen: 46.967 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

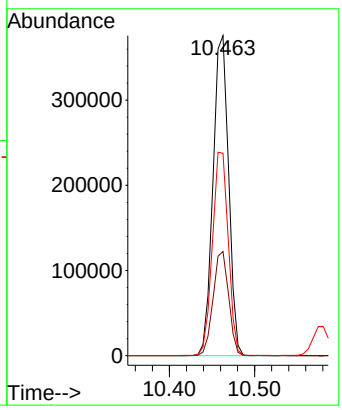
Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

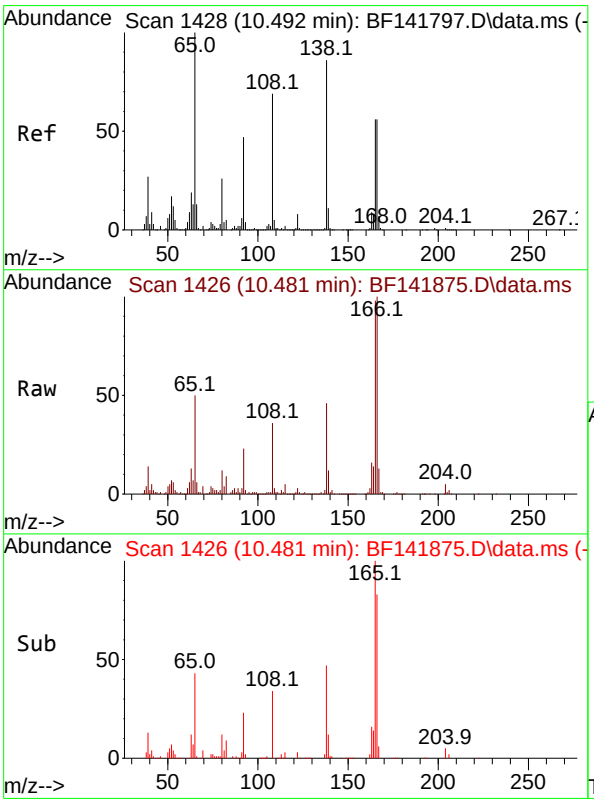
Tgt Ion:204 Resp: 47796

Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.2	39.4
141	63.3	51.7	77.5

Manual Integrations
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Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

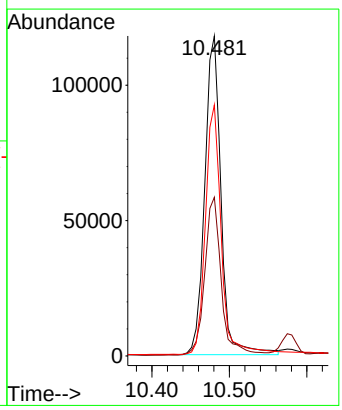


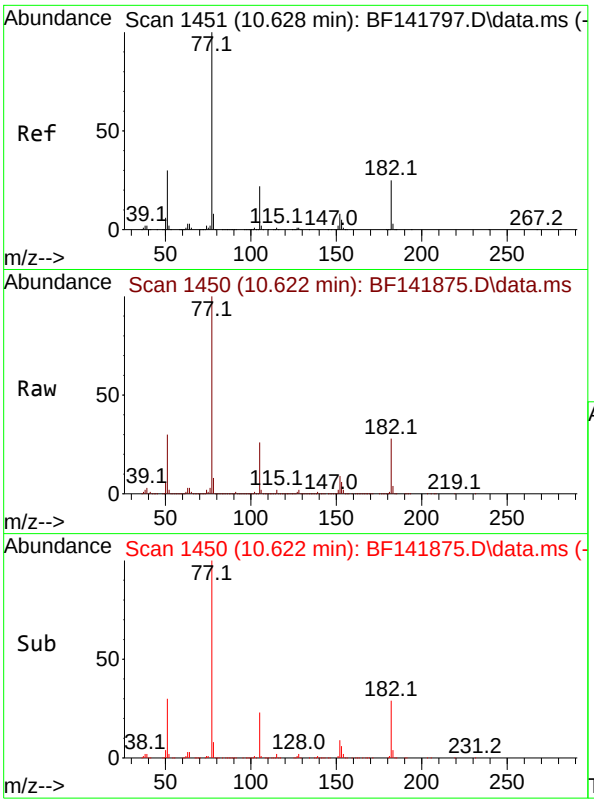


#62
4-Nitroaniline
Concen: 45.787 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:138 Resp: 171647

Ion	Ratio	Lower	Upper
138	100		
92	49.6	34.9	74.9
108	78.4	59.6	99.6

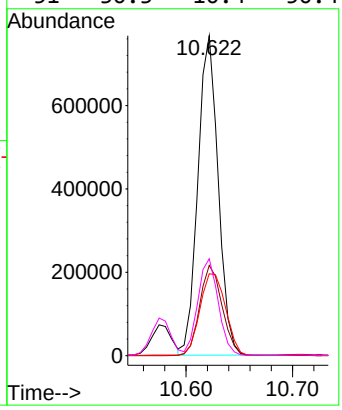




#63
Azobenzene
Concen: 43.869 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion: 77 Resp: 101646

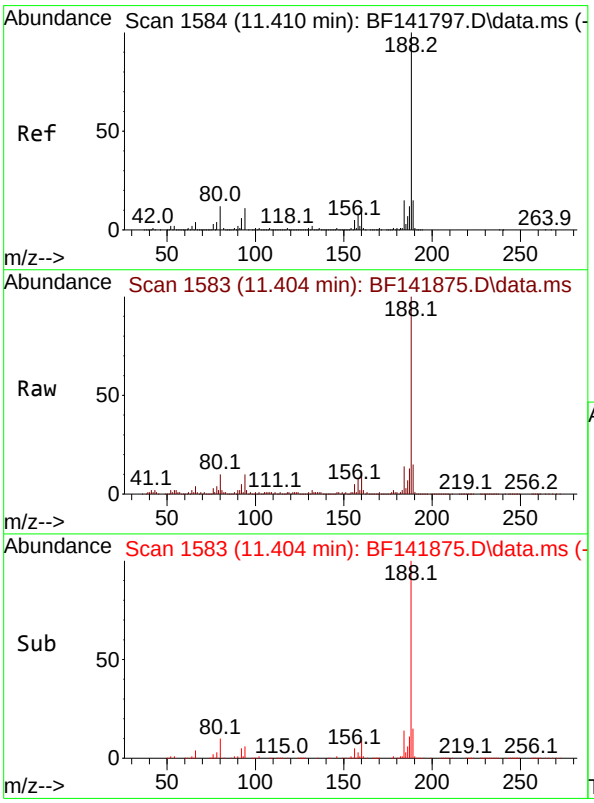
Ion	Ratio	Lower	Upper
77	100		
182	28.2	4.2	44.2
105	25.6	1.5	41.5
51	30.3	10.4	50.4



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
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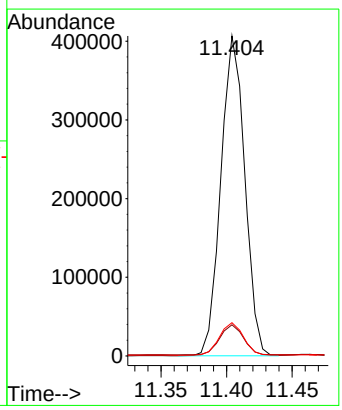
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

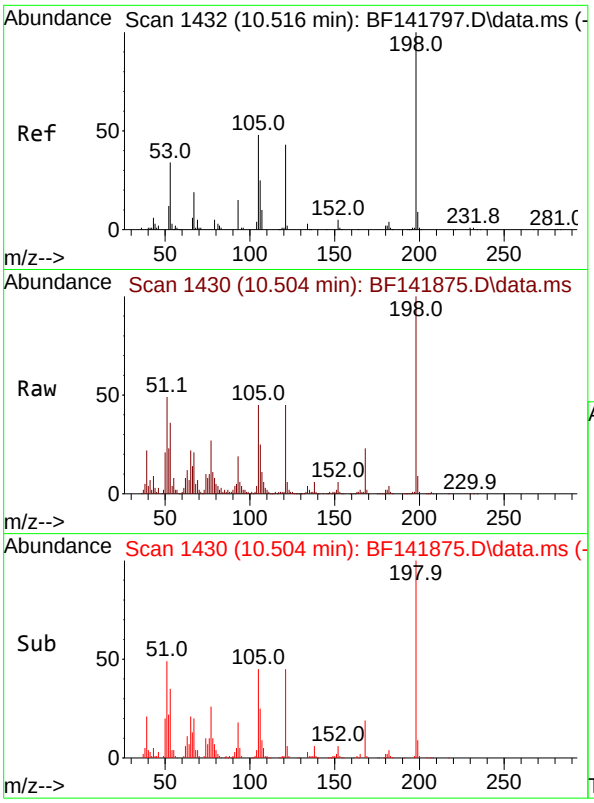


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:188 Resp: 514725

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





#65
4,6-Dinitro-2-methylphenol
Concen: 46.324 ng
RT: 10.504 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

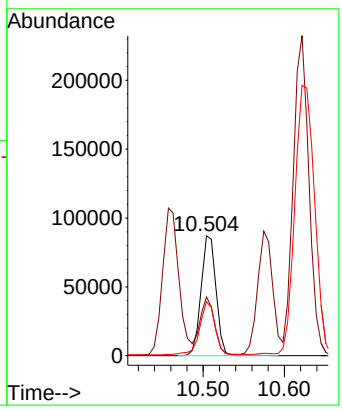
Tgt Ion:198 Resp: 11145(

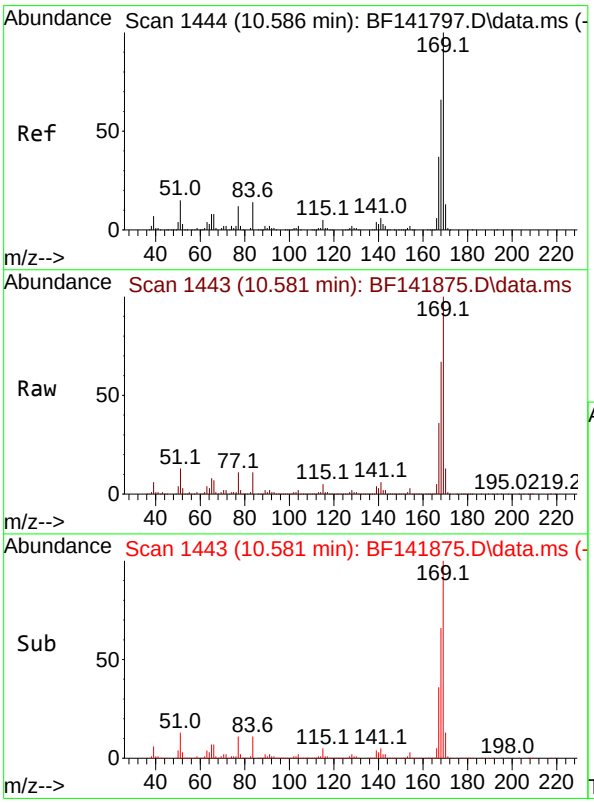
Ion	Ratio	Lower	Upper
198	100		
51	49.1	32.1	72.1
105	45.1	28.5	68.5

Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
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Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

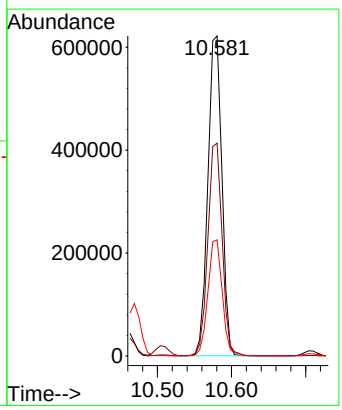


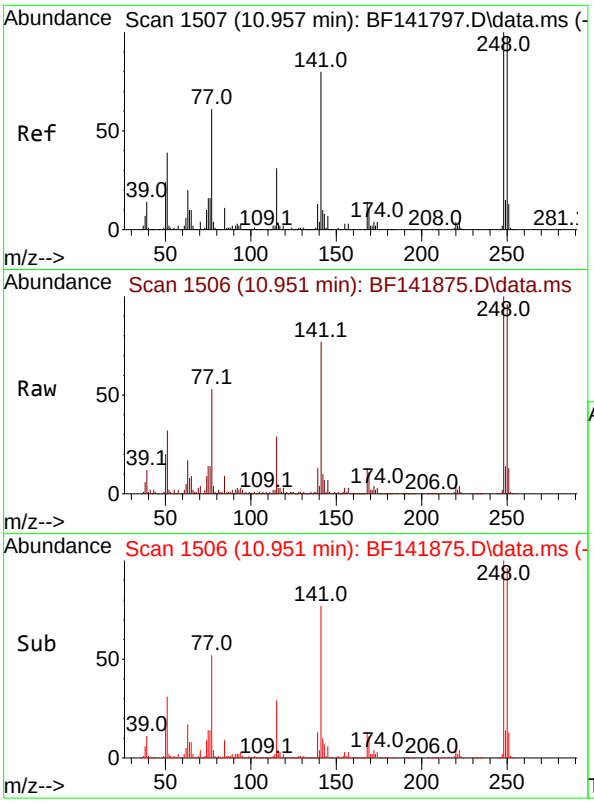


#66
n-Nitrosodiphenylamine
Concen: 48.321 ng
RT: 10.581 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:169 Resp: 816711

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.0	79.6
167	36.3	29.3	43.9





#67
4-Bromophenyl-phenylether
Concen: 49.391 ng
RT: 10.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

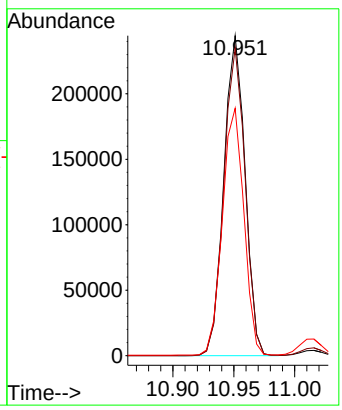
Tgt Ion:248 Resp: 29695

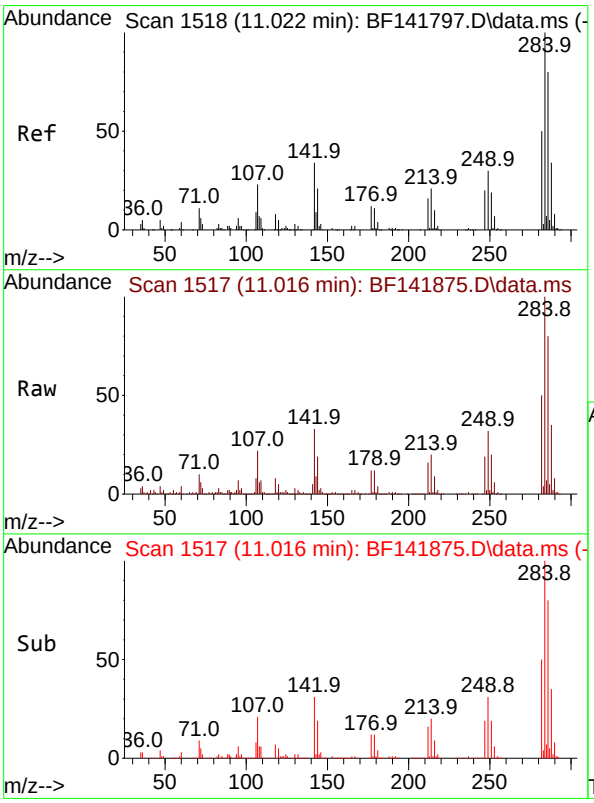
Ion	Ratio	Lower	Upper
248	100		
250	96.1	78.1	117.1
141	77.3	64.3	96.5

Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
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Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

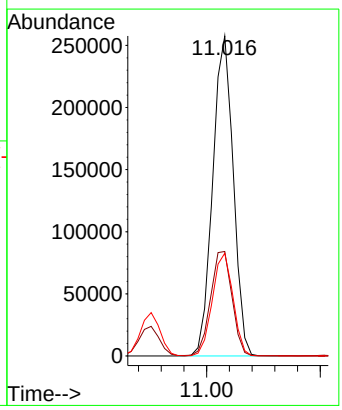


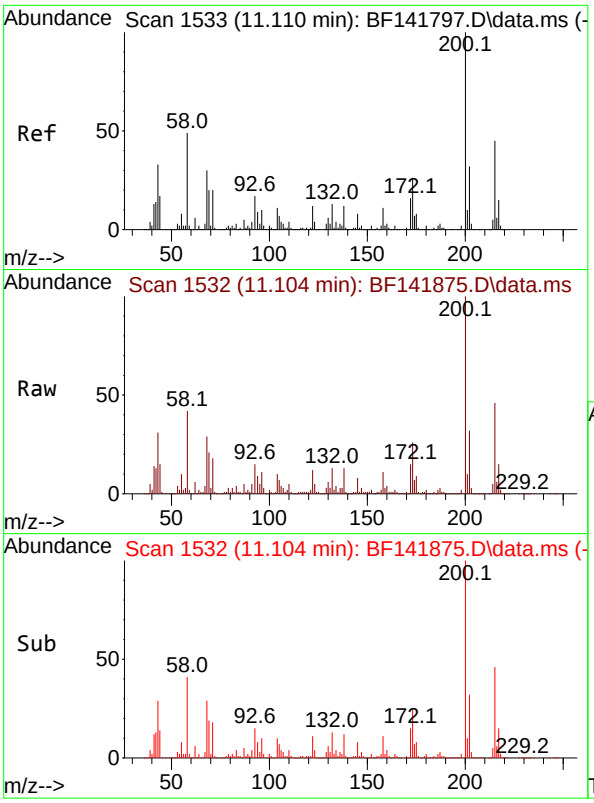


#68
Hexachlorobenzene
Concen: 50.970 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:284 Resp: 323594

Ion	Ratio	Lower	Upper
284	100		
142	32.6	28.2	42.2
249	32.1	25.5	38.3





#69
Atrazine
Concen: 66.122 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

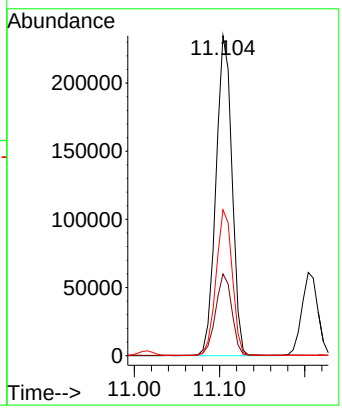
Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

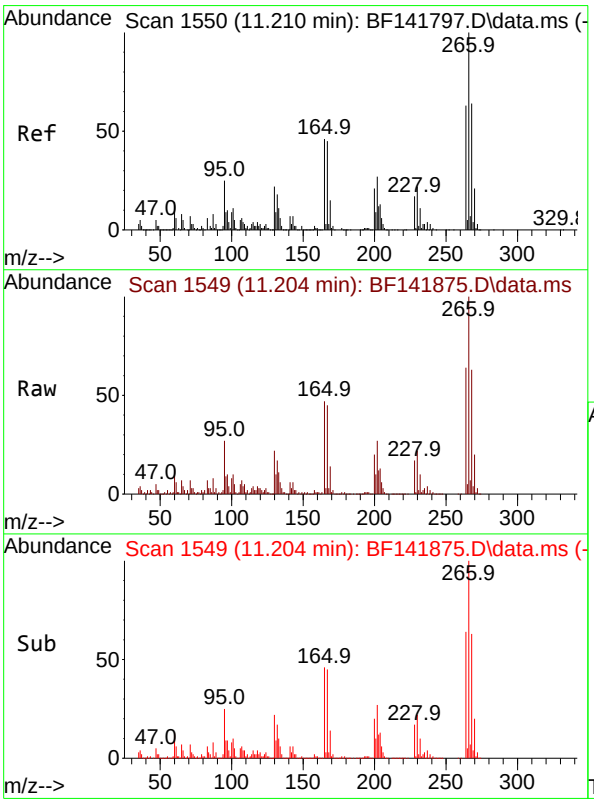
Tgt Ion:200 Resp: 30732

Ion	Ratio	Lower	Upper
200	100		
173	25.6	5.6	45.6
215	45.6	25.3	65.3

Manual Integrations
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Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

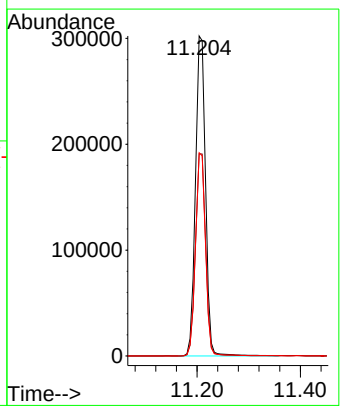


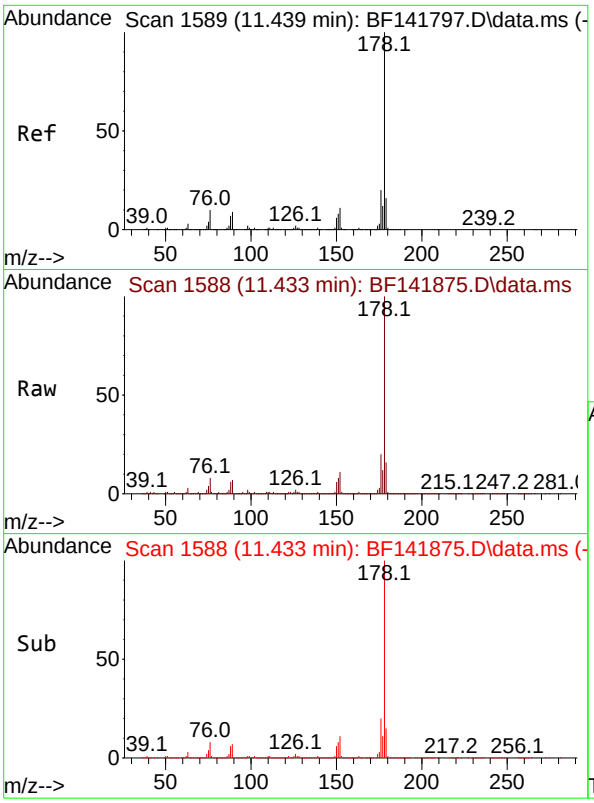


#70
Pentachlorophenol
Concen: 101.263 ng
RT: 11.204 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:266 Resp: 407741

Ion	Ratio	Lower	Upper
266	100		
268	63.2	50.9	76.3
264	63.5	50.2	75.4





#71
Phenanthrene
Concen: 47.910 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

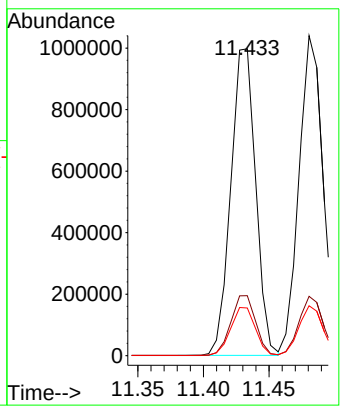
Tgt Ion:178 Resp: 131908

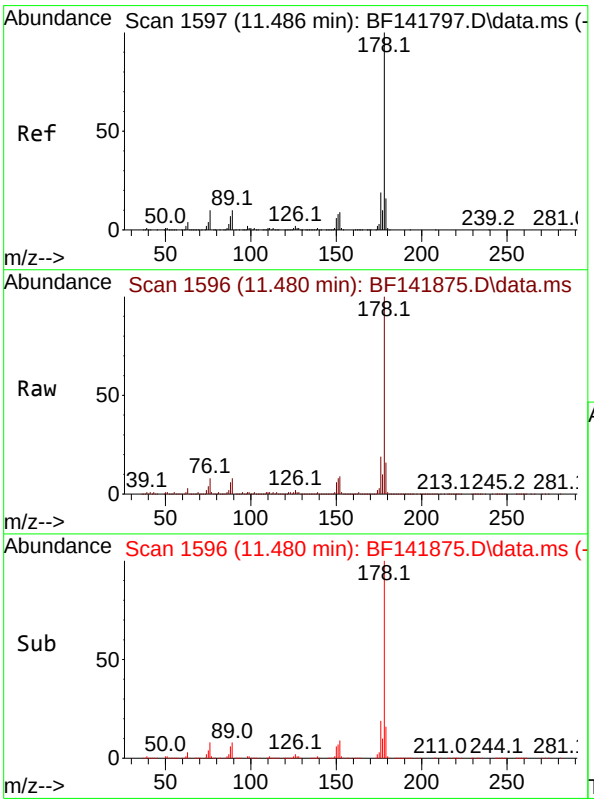
Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.0	24.0
179	15.5	12.6	19.0

Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
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Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

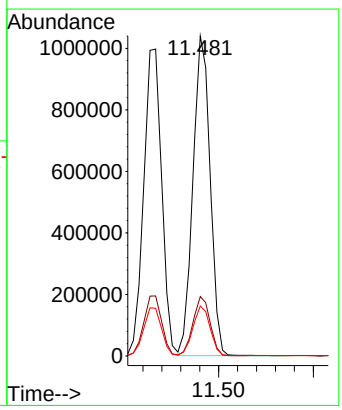


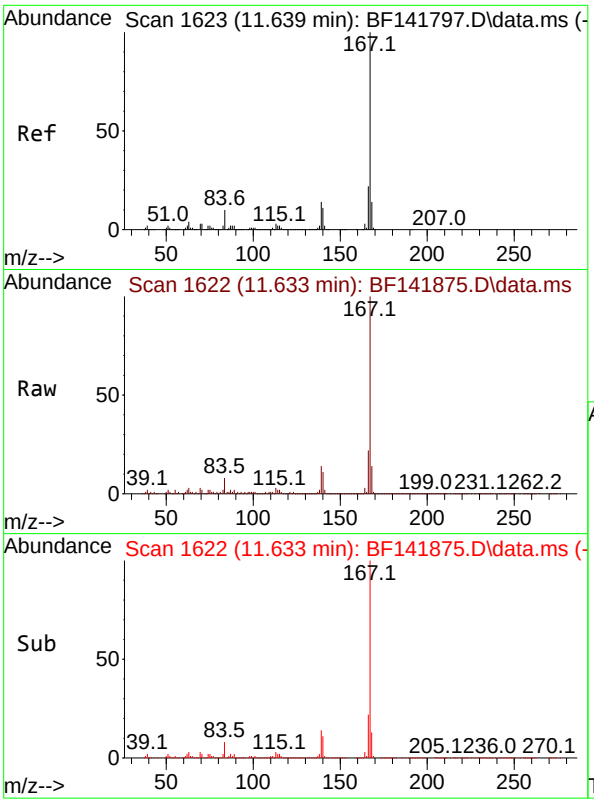


#72
Anthracene
Concen: 47.442 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:178 Resp: 1309109

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.0
179	15.6	12.8	19.2

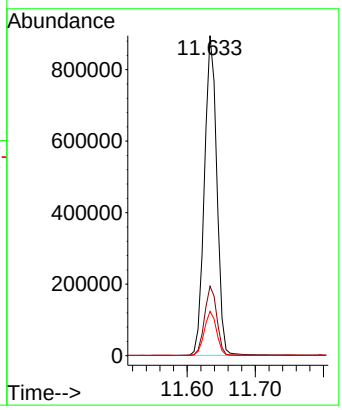




#73
Carbazole
Concen: 46.352 ng
RT: 11.633 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:167 Resp: 112947

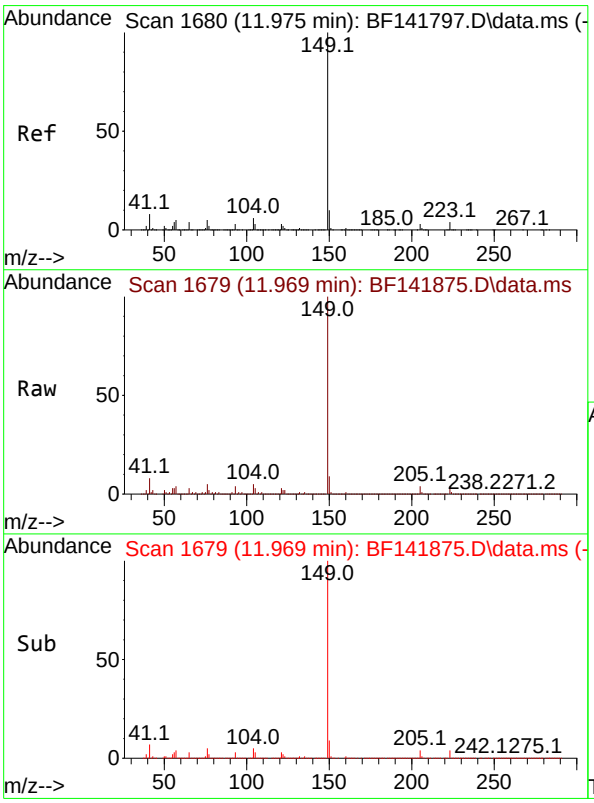
Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.5	26.3
139	13.8	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
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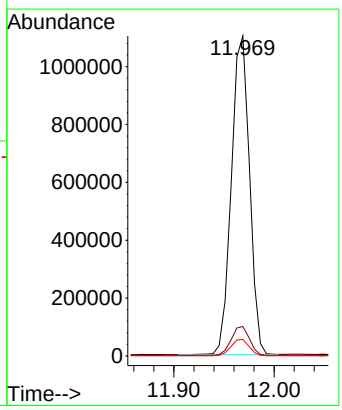
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

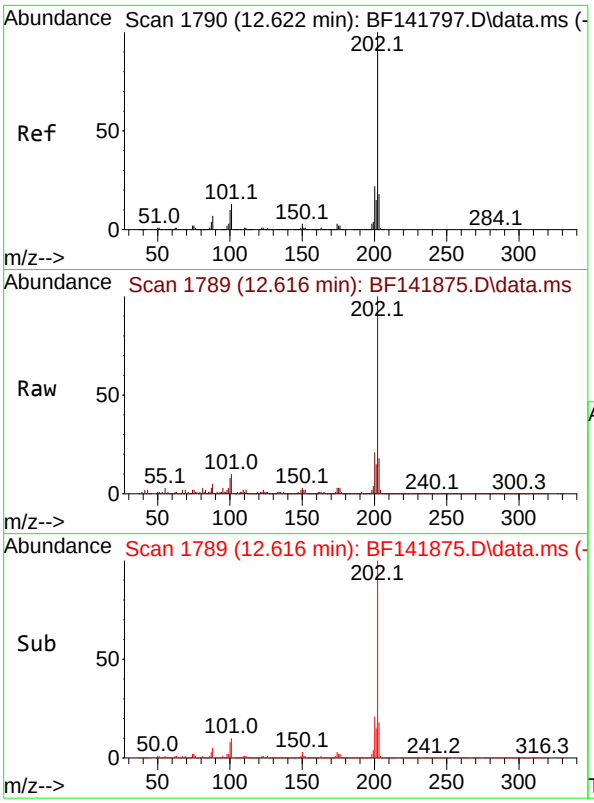


#74
Di-n-butylphthalate
Concen: 44.803 ng
RT: 11.969 min Scan# 1679
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:149 Resp: 1383879

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.7	11.5
104	5.1	4.4	6.6

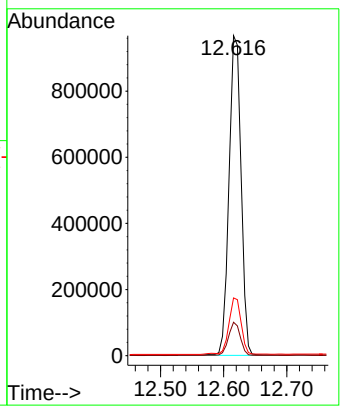




#75
Fluoranthene
Concen: 45.313 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:202 Resp: 127836

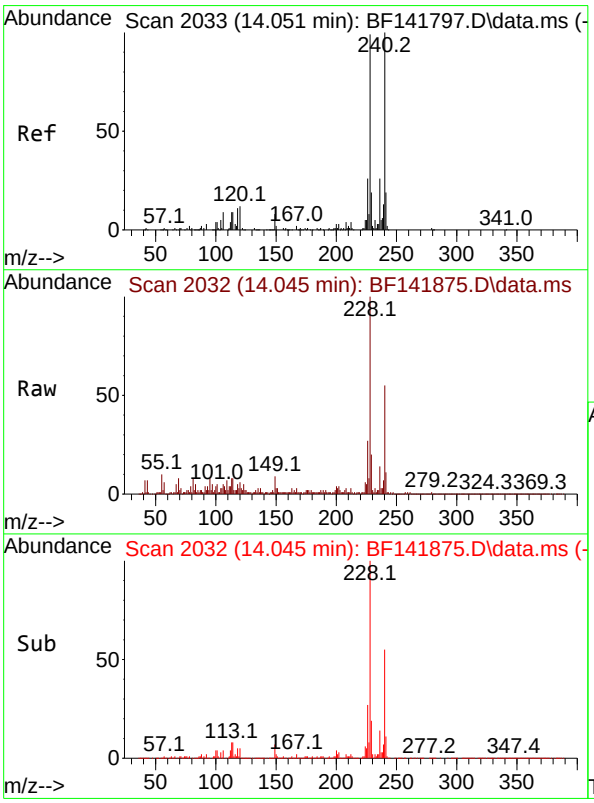
Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	32.8
203	18.1	0.0	38.0



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
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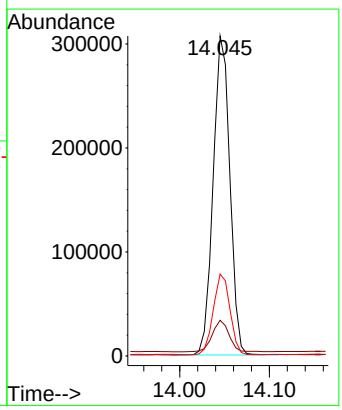
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

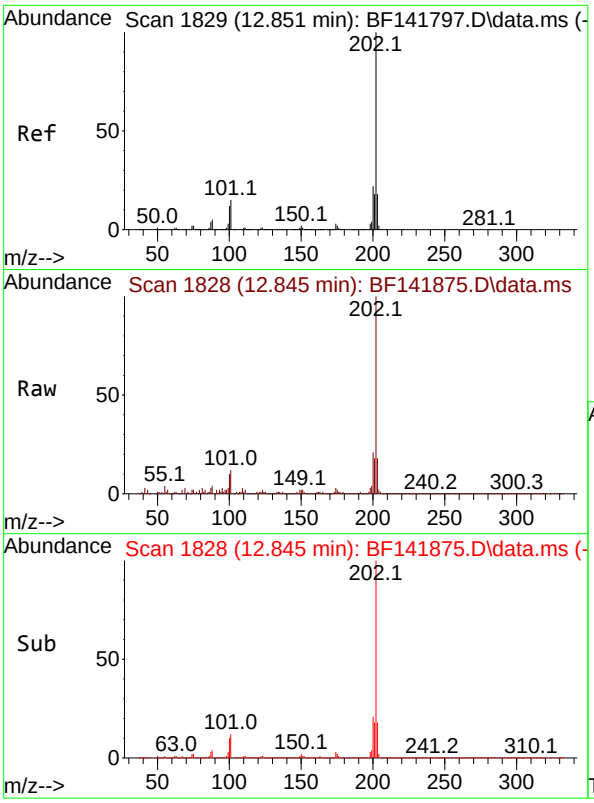


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:240 Resp: 396501

Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.7	14.5
236	25.6	21.0	31.4

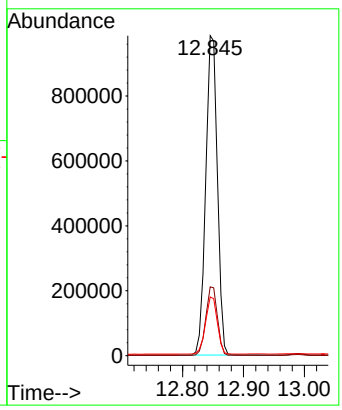




#78
Pyrene
Concen: 38.077 ng
RT: 12.845 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:202 Resp: 130737

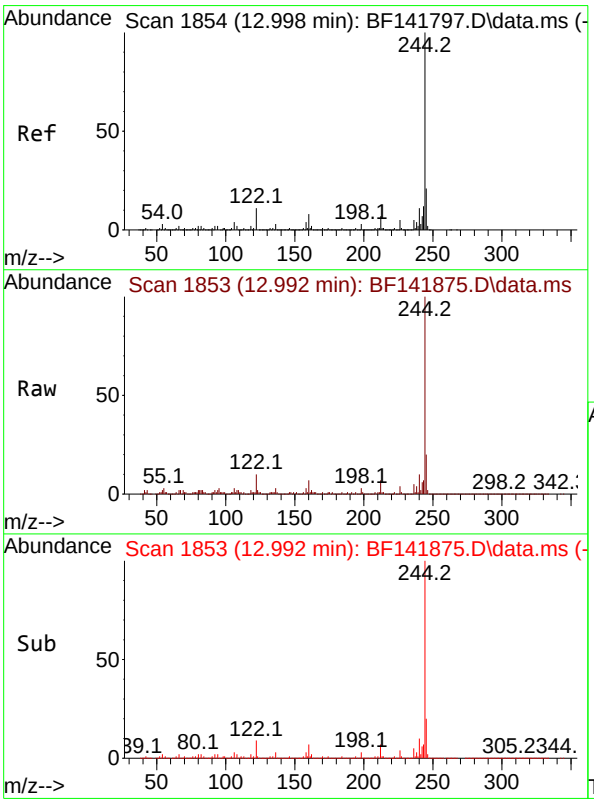
Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.0
203	18.4	14.6	22.0



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
APPROVED

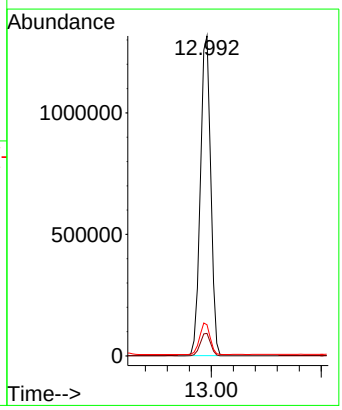
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

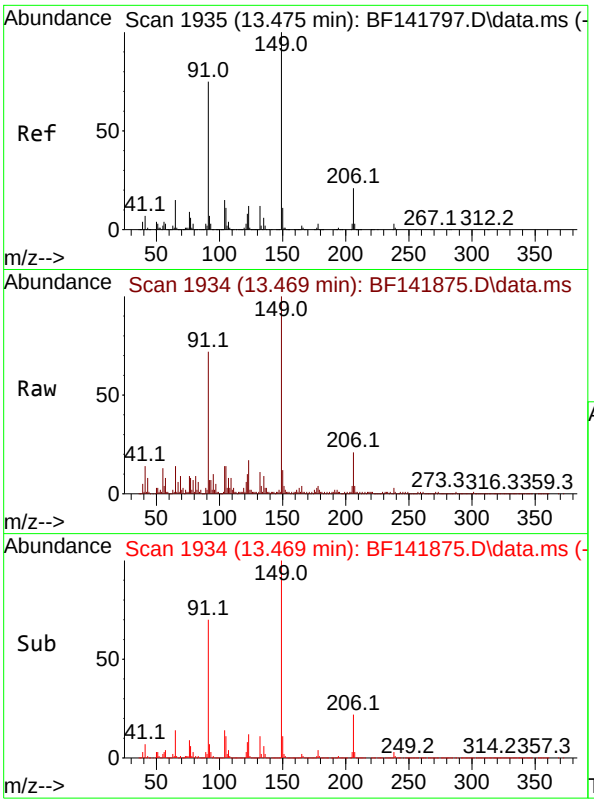


#79
Terphenyl-d14
Concen: 70.189 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:244 Resp: 1720119

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	9.7	9.0	13.6

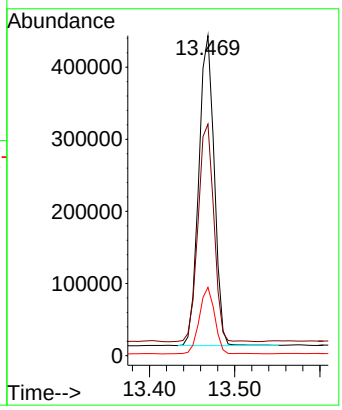




#80
Butylbenzylphthalate
Concen: 43.545 ng
RT: 13.469 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:149 Resp: 54320

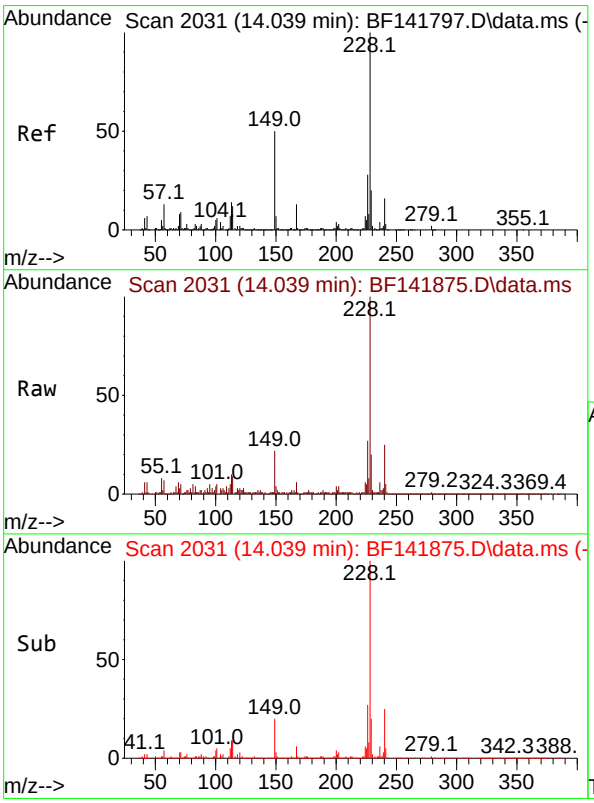
Ion	Ratio	Lower	Upper
149	100		
91	72.3	60.1	90.1
206	21.4	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
APPROVED

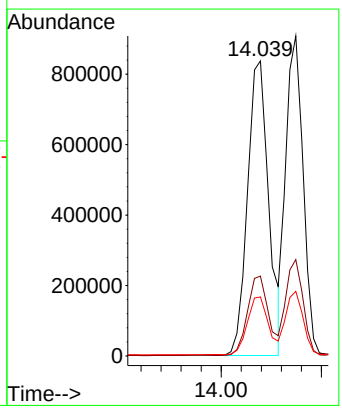
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

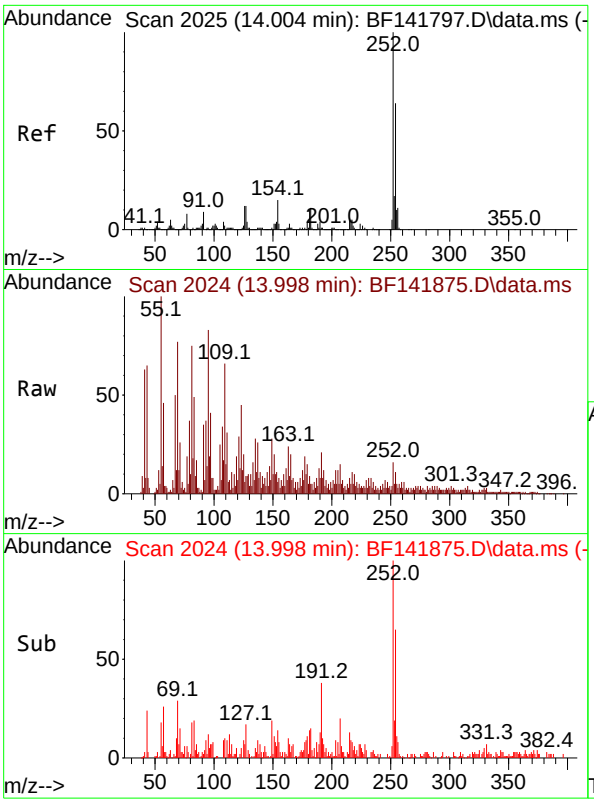


#81
Benzo(a)anthracene
Concen: 46.823 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:228 Resp: 1226272

Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.1	33.1
229	20.0	16.1	24.1

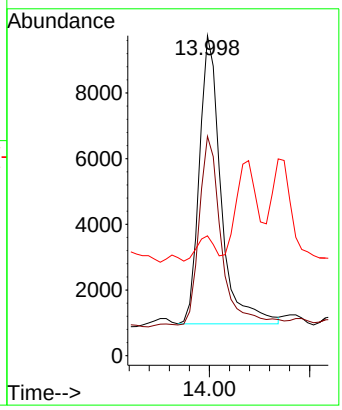




#82
3,3'-Dichlorobenzidine
Concen: 1.750 ng
RT: 13.998 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:252 Resp: 1315

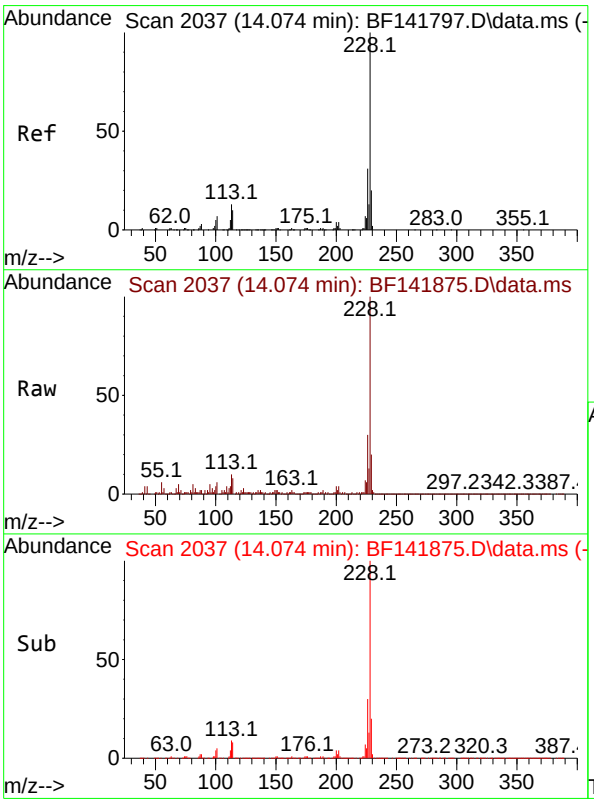
Ion	Ratio	Lower	Upper
252	100		
254	68.5	51.4	77.0
126	37.5	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
APPROVED

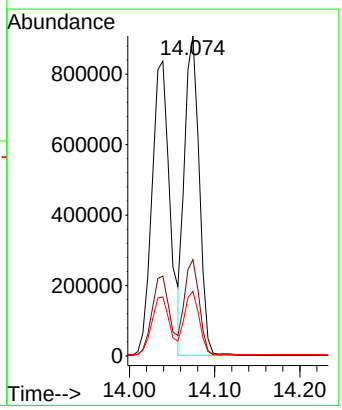
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

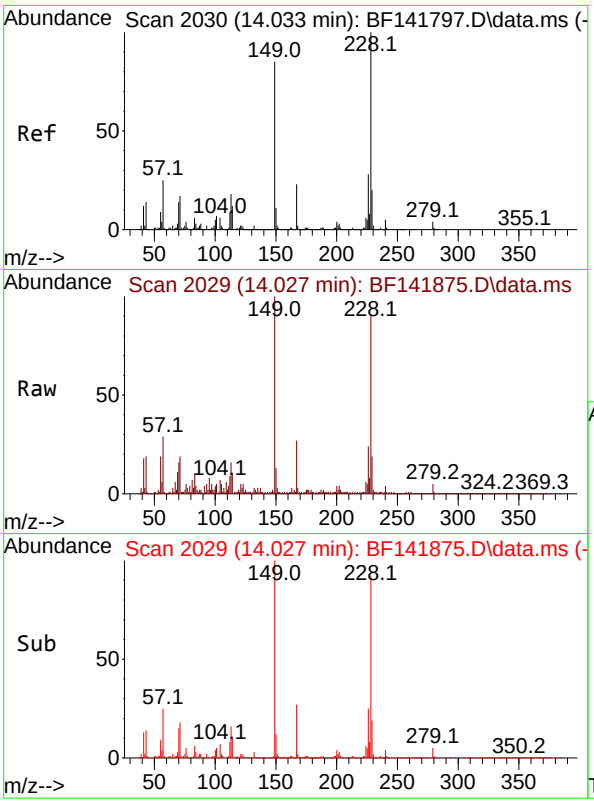


#83
Chrysene
Concen: 45.269 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.000 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:228 Resp: 1092883

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.6	37.0
229	20.2	16.1	24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 45.740 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

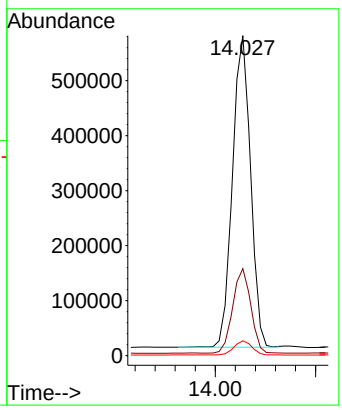
Tgt Ion:149 Resp: 71045

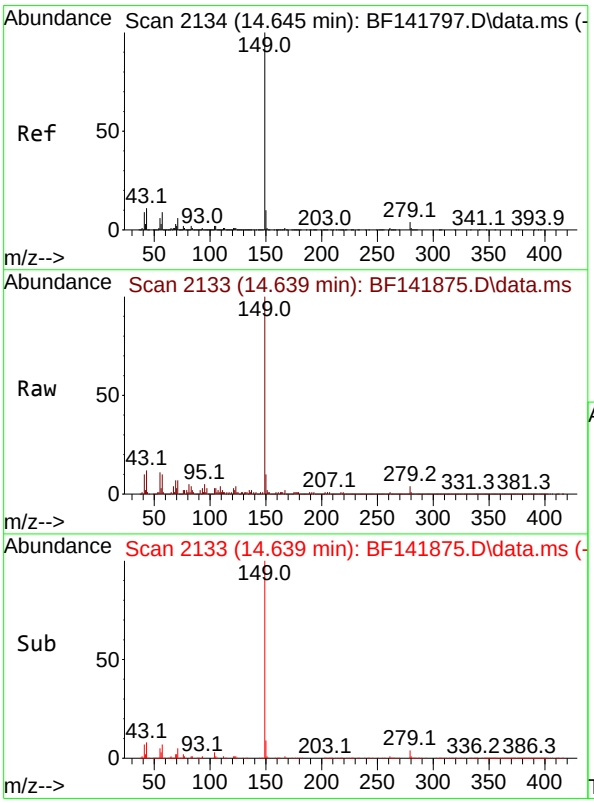
Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.2	31.8
279	4.7	3.3	4.9

Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
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Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

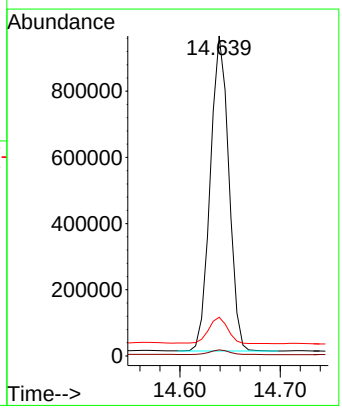


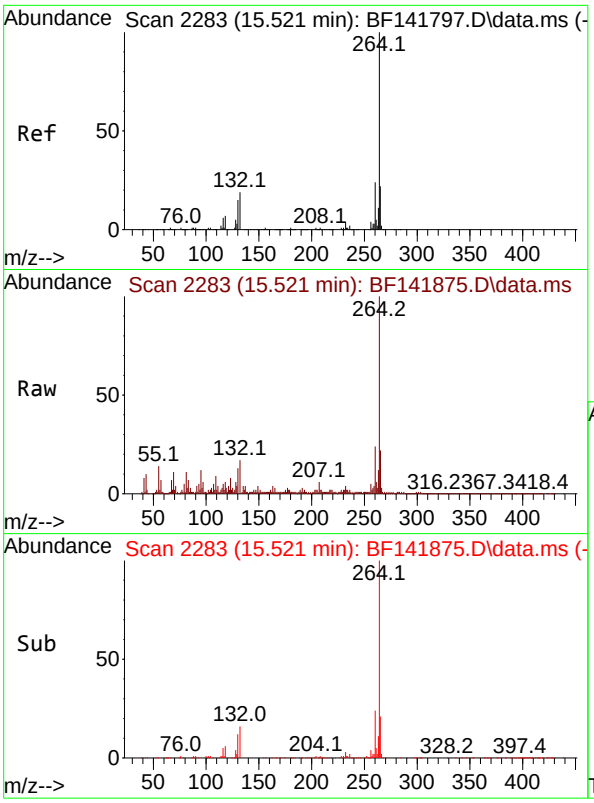


#85
Di-n-octyl phthalate
Concen: 52.608 ng
RT: 14.639 min Scan# 2133
Delta R.T. -0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:149 Resp: 1223350

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	8.5	8.6	12.8#

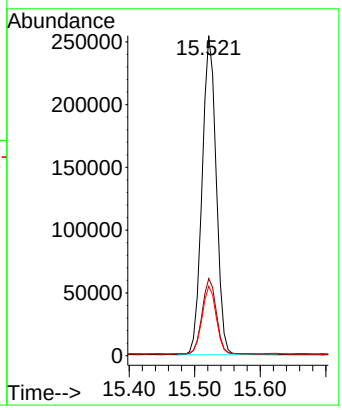




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:264 Resp: 38030

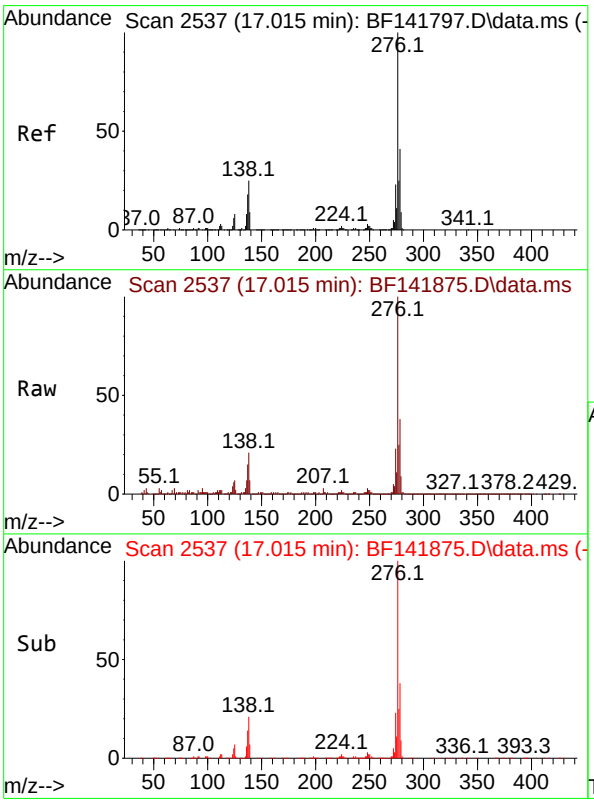
Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.9	28.3
265	21.7	17.4	26.0



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
APPROVED

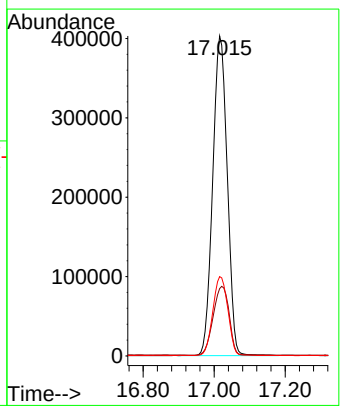
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

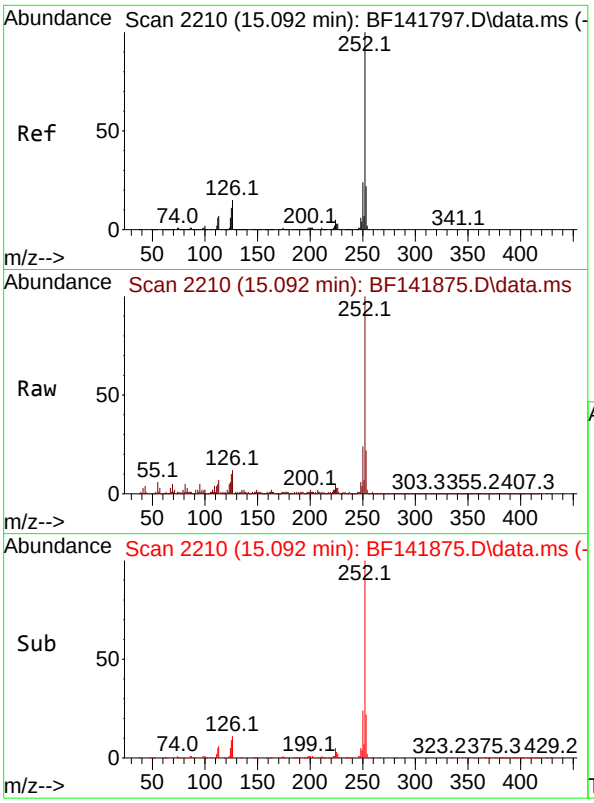


#87
Indeno(1,2,3-cd)pyrene
Concen: 47.123 ng
RT: 17.015 min Scan# 2537
Delta R.T. -0.000 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:276 Resp: 1141147

Ion	Ratio	Lower	Upper
276	100		
138	23.5	22.5	33.7
277	25.5	20.3	30.5

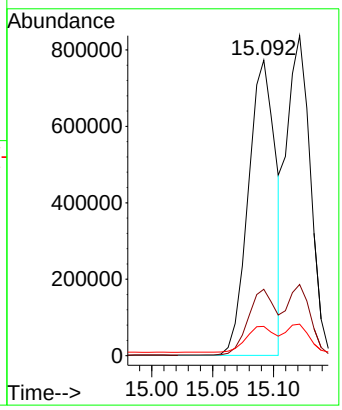




#88
Benzo(b)fluoranthene
Concen: 46.243 ng
RT: 15.092 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:252 Resp: 119792

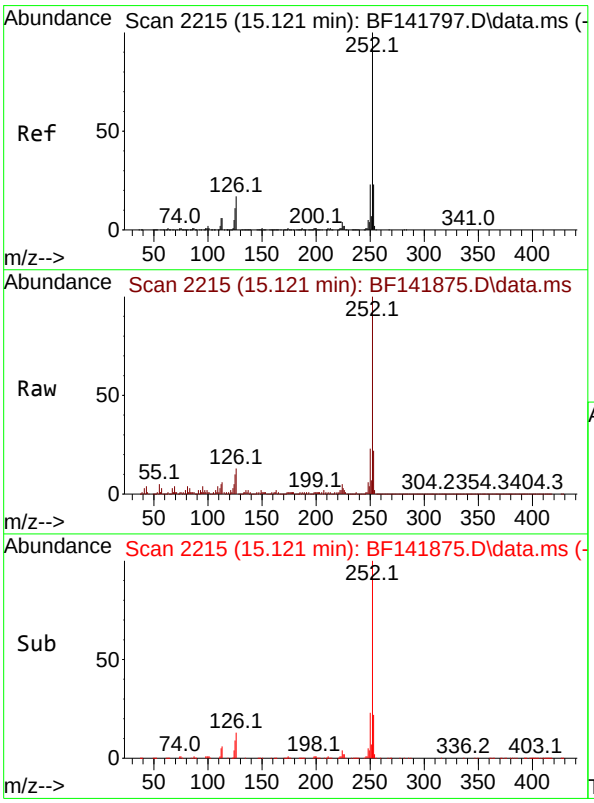
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	9.9	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
APPROVED

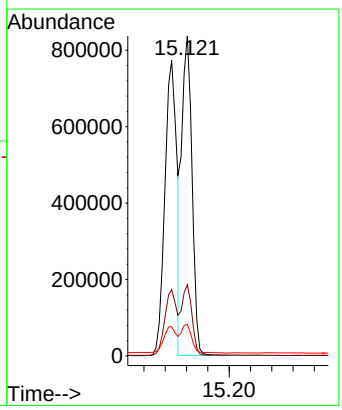
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

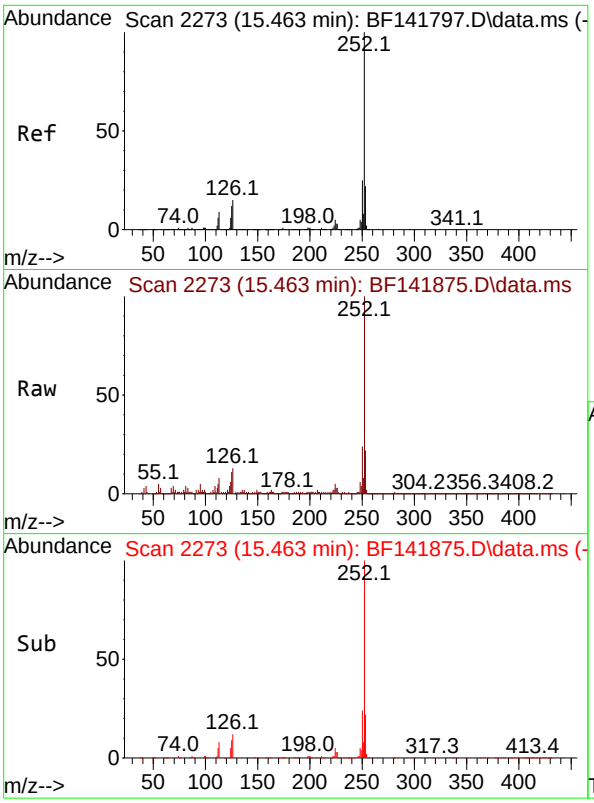


#89
Benzo(k)fluoranthene
Concen: 51.174 ng
RT: 15.121 min Scan# 2215
Delta R.T. -0.000 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:252 Resp: 1126756

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	9.8	8.8	13.2

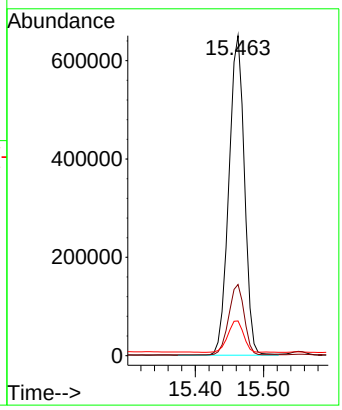




#90
Benzo(a)pyrene
Concen: 49.594 ng
RT: 15.463 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:252 Resp: 103032

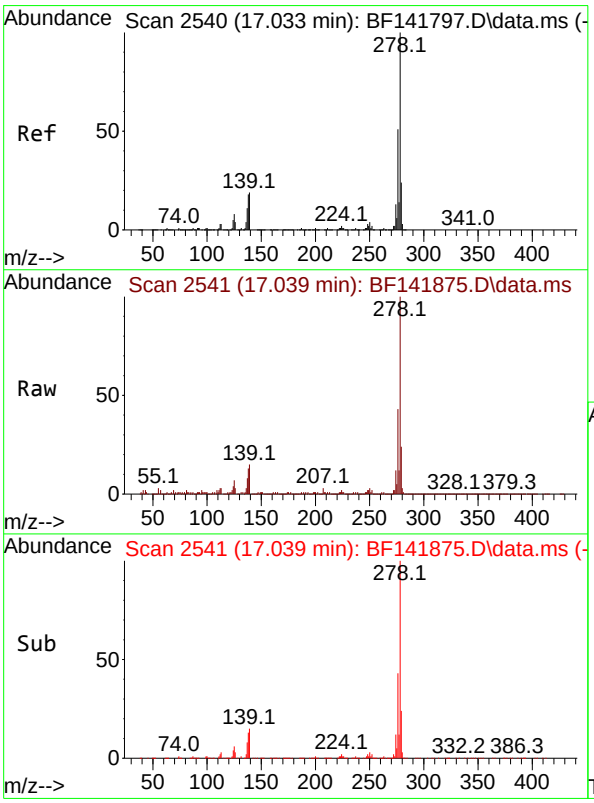
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	10.8	9.4	14.2



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
APPROVED

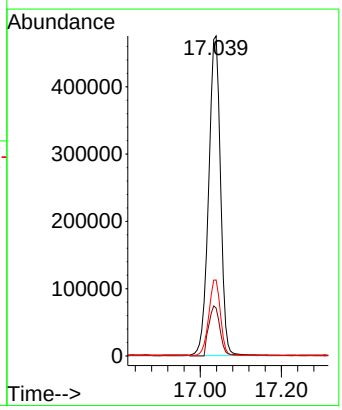
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

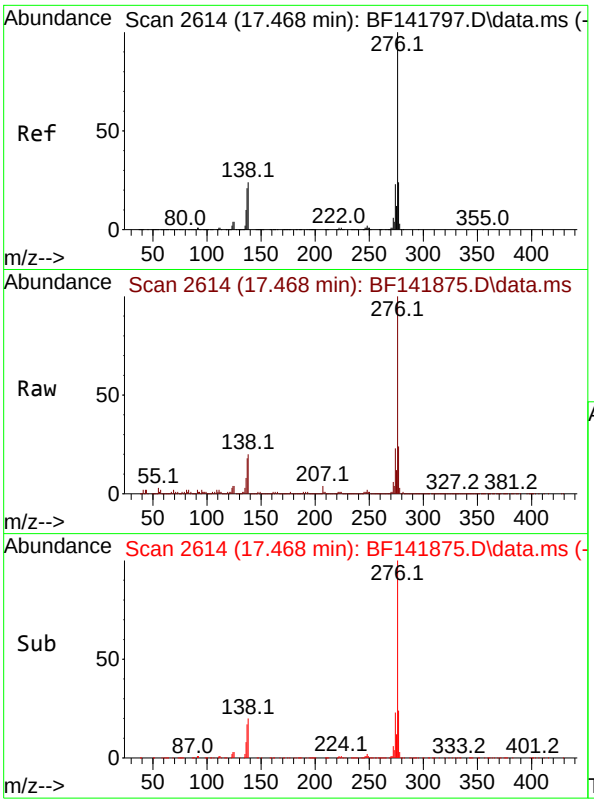


#91
Dibenzo(a,h)anthracene
Concen: 48.648 ng
RT: 17.039 min Scan# 2541
Delta R.T. 0.006 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:278 Resp: 961619

Ion	Ratio	Lower	Upper
278	100		
139	15.0	14.9	22.3
279	23.8	19.3	28.9

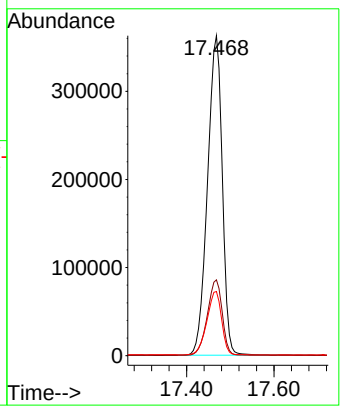




#92
Benzo(g,h,i)perylene
Concen: 42.044 ng
RT: 17.468 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141875.D
Acq: 06 Mar 2025 18:29

Tgt Ion:276 Resp: 85141

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.4	29.0
138	20.0	19.3	28.9



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

Raw Data: **BF141876.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	03/05/25
Project:	Nelson	Date Received:	03/05/25
Client Sample ID:	RHL1PXIMSD	SDG No.:	Q1492
Lab Sample ID:	Q1492-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-PAH
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
BF141876.D	1	03/06/25 09:10	03/06/25 18:58	PB167012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1600		88.9	180	ug/Kg
208-96-8	Acenaphthylene	1600		93.1	180	ug/Kg
83-32-9	Acenaphthene	1700		87.2	180	ug/Kg
86-73-7	Fluorene	1600		92.0	180	ug/Kg
85-01-8	Phenanthrene	1600		90.4	180	ug/Kg
120-12-7	Anthracene	1600		90.8	180	ug/Kg
206-44-0	Fluoranthene	1600		87.9	180	ug/Kg
129-00-0	Pyrene	1300		89.3	180	ug/Kg
56-55-3	Benzo(a)anthracene	1600		86.8	180	ug/Kg
218-01-9	Chrysene	1600		85.5	180	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		87.2	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700		88.9	180	ug/Kg
50-32-8	Benzo(a)pyrene	1700		100	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		84.0	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		87.4	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		86.2	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	101		30 (18) - 130 (112)	68%	SPK: 150
13127-88-3	Phenol-d6	99.8		30 (15) - 130 (107)	67%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.3		30 (18) - 130 (107)	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.5		30 (20) - 130 (109)	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	128		30 (10) - 130 (116)	85%	SPK: 150
1718-51-0	Terphenyl-d14	68.8		30 (10) - 130 (105)	69%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	166000	6.887			
1146-65-2	Naphthalene-d8	641000	8.169			
15067-26-2	Acenaphthene-d10	343000	9.922			
1517-22-2	Phenanthrene-d10	535000	11.404			
1719-03-5	Chrysene-d12	409000	14.045			

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

Report of Analysis

Client:	G Environmental			Date Collected:	03/05/25
Project:	Nelson			Date Received:	03/05/25
Client Sample ID:	RHL1PXIMSD			SDG No.:	Q1492
Lab Sample ID:	Q1492-01MSD			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	92.8
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-PAH
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
BF141876.D	1	03/06/25 09:10	03/06/25 18:58	PB167012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1520-96-3	Perylene-d12	393000	15.521			

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: **BF141876.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141876.D
Acq On : 06 Mar 2025 18:58
Operator : RC/JU
Sample : Q1492-01MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 07 00:20:15 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 01:48:16 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	165879	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	641339	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	343104	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	535087	20.000	ng	0.00
76) Chrysene-d12	14.045	240	408916	20.000	ng	0.00
86) Perylene-d12	15.521	264	392870	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1053716	101.446	ng	0.00
7) Phenol-d6	6.510	99	1349756	99.837	ng	0.00
23) Nitrobenzene-d5	7.445	82	885873	88.292	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	412077	127.930	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1701534	79.519	ng	0.00
79) Terphenyl-d14	12.992	244	1738196	68.774	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.722	88	189030	40.108	ng	96
3) Pyridine	3.493	79	439346	37.466	ng	96
4) n-Nitrosodimethylamine	3.428	42	225946	40.044	ng	# 95
6) Aniline	6.545	93	263363	18.738	ng	98
8) 2-Chlorophenol	6.669	128	496022	44.145	ng	95
9) Benzaldehyde	6.434	77	172920	21.989	ng	98
10) Phenol	6.522	94	595810	41.241	ng	99
11) bis(2-Chloroethyl)ether	6.622	93	448513	40.728	ng	95
12) 1,3-Dichlorobenzene	6.828	146	527851	43.866	ng	99
13) 1,4-Dichlorobenzene	6.904	146	525467	43.339	ng	100
14) 1,2-Dichlorobenzene	7.057	146	502115	44.349	ng	99
15) Benzyl Alcohol	7.022	79	439921	40.715	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	556085	33.251	ng	95
17) 2-Methylphenol	7.134	107	393992	42.480	ng	99
18) Hexachloroethane	7.398	117	195738	43.133	ng	98
19) n-Nitroso-di-n-propyla...	7.293	70	335961	37.803	ng	98
20) 3+4-Methylphenols	7.281	107	498449	43.160	ng	95
22) Acetophenone	7.293	105	735580	47.093	ng	99
24) Nitrobenzene	7.463	77	517248	48.141	ng	99
25) Isophorone	7.704	82	922364	42.790	ng	99
26) 2-Nitrophenol	7.781	139	253903	52.435	ng	97
27) 2,4-Dimethylphenol	7.816	122	418965	52.875	ng	98
28) bis(2-Chloroethoxy)met...	7.910	93	547974	39.852	ng	99
29) 2,4-Dichlorophenol	8.016	162	406039	44.420	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	440747	44.002	ng	100
31) Naphthalene	8.187	128	1426633	43.281	ng	99
32) Benzoic acid	7.922	122	297673	45.490	ng	97
33) 4-Chloroaniline	8.234	127	98459	8.147	ng	98
34) Hexachlorobutadiene	8.304	225	284215	45.662	ng	99
35) Caprolactam	8.598	113	130837m	46.527	ng	
36) 4-Chloro-3-methylphenol	8.710	107	437995	43.133	ng	99
37) 2-Methylnaphthalene	8.881	142	895702	41.429	ng	100
38) 1-Methylnaphthalene	8.981	142	871992	42.033	ng	98
40) 1,2,4,5-Tetrachloroben...	9.045	216	501259	50.585	ng	99
41) Hexachlorocyclopentadiene	9.034	237	621666	150.328	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	293240	45.812	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141876.D
Acq On : 06 Mar 2025 18:58
Operator : RC/JU
Sample : Q1492-01MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

Quant Time: Mar 07 00:20:15 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 01:48:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	302356	47.702	ng		98
46) 1,1'-Biphenyl	9.345	154	1284202	49.174	ng		98
47) 2-Chloronaphthalene	9.369	162	873028	45.293	ng		99
48) 2-Nitroaniline	9.457	65	270419	50.959	ng		97
49) Acenaphthylene	9.781	152	1310365	45.342	ng		100
50) Dimethylphthalate	9.639	163	1047770	45.601	ng		100
51) 2,6-Dinitrotoluene	9.698	165	218549	49.620	ng		97
52) Acenaphthene	9.957	154	940623	48.237	ng		99
53) 3-Nitroaniline	9.869	138	123441	27.702	ng	#	92
54) 2,4-Dinitrophenol	9.975	184	175151	84.922	ng	#	1
55) Dibenzofuran	10.128	168	1220355	42.997	ng		100
56) 4-Nitrophenol	10.022	139	345342	101.763	ng		97
57) 2,4-Dinitrotoluene	10.104	165	287461	53.135	ng		91
58) Fluorene	10.469	166	943758	44.391	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	252533	45.810	ng		99
60) Diethylphthalate	10.339	149	1012899	43.974	ng		99
61) 4-Chlorophenyl-phenyle...	10.463	204	479447	45.010	ng		99
62) 4-Nitroaniline	10.481	138	173517	44.221	ng		98
63) Azobenzene	10.622	77	1021007	42.098	ng		95
65) 4,6-Dinitro-2-methylph...	10.510	198	112730	45.291	ng		89
66) n-Nitrosodiphenylamine	10.581	169	822515	46.813	ng		99
67) 4-Bromophenyl-phenylether	10.951	248	294514	47.122	ng		99
68) Hexachlorobenzene	11.016	284	325688	49.348	ng		98
69) Atrazine	11.104	200	310940	64.353	ng		100
70) Pentachlorophenol	11.210	266	399912	95.539	ng		99
71) Phenanthrene	11.433	178	1307483	45.681	ng		100
72) Anthracene	11.480	178	1306433	45.543	ng		99
73) Carbazole	11.633	167	1115639	44.042	ng		99
74) Di-n-butylphthalate	11.969	149	1414226	44.044	ng		99
75) Fluoranthene	12.616	202	1276768	43.534	ng		97
78) Pyrene	12.845	202	1302226	36.776	ng		99
80) Butylbenzylphthalate	13.469	149	536612	41.711	ng		98
81) Benzo(a)anthracene	14.039	228	1209514	44.781	ng		99
82) 3,3'-Dichlorobenzidine	13.998	252	20307	2.621	ng	#	87
83) Chrysene	14.074	228	1084992	43.577	ng		99
84) Bis(2-ethylhexyl)phtha...	14.027	149	725244	45.274	ng		99
85) Di-n-octyl phthalate	14.639	149	1216781	50.737	ng		96
87) Indeno(1,2,3-cd)pyrene	17.015	276	1066521	42.632	ng		95
88) Benzo(b)fluoranthene	15.092	252	1168709	43.672	ng		99
89) Benzo(k)fluoranthene	15.121	252	1105159	48.587	ng		99
90) Benzo(a)pyrene	15.463	252	1023157	47.673	ng		99
91) Dibenzo(a,h)anthracene	17.033	278	901828	44.164	ng		97
92) Benzo(g,h,i)perylene	17.462	276	791785	37.849	ng		96

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

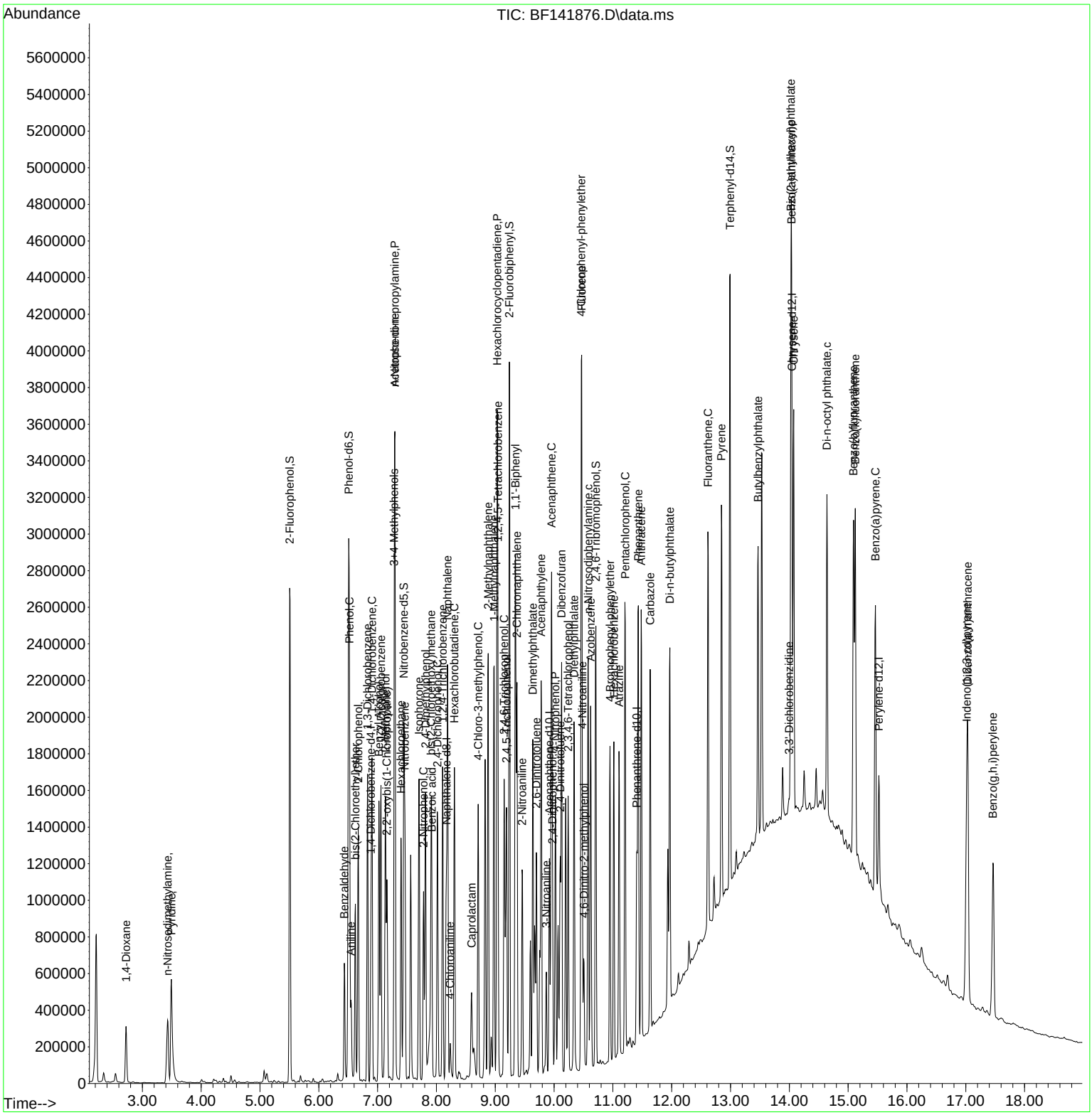
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Data File : BF141876.D
Acq On : 06 Mar 2025 18:58
Operator : RC/JU
Sample : Q1492-01MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

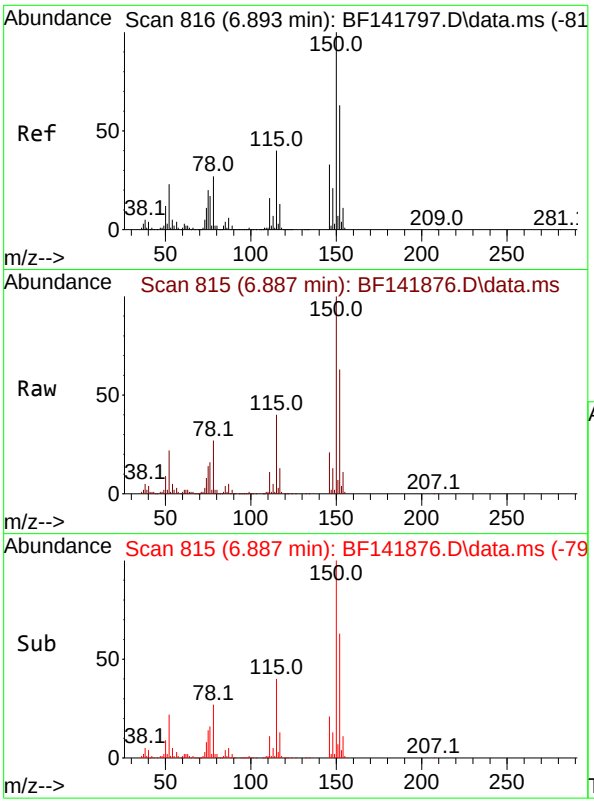
Quant Time: Mar 07 00:20:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

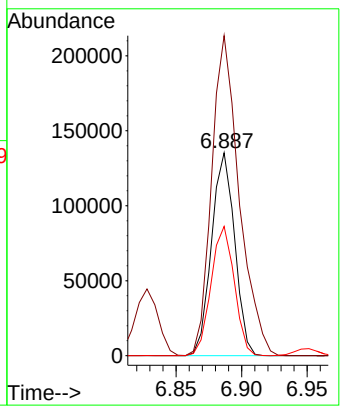




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:152 Resp: 16587

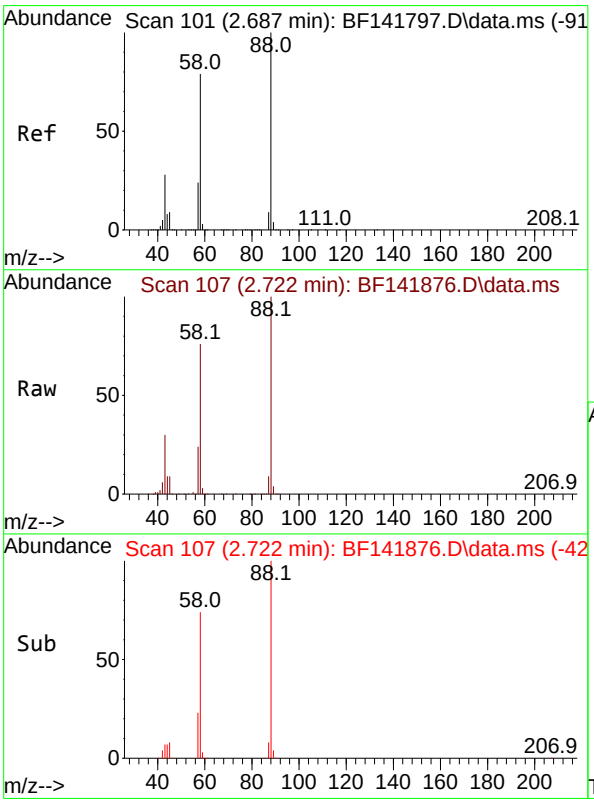
Ion	Ratio	Lower	Upper
152	100		
150	157.7	127.5	191.3
115	63.7	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
APPROVED

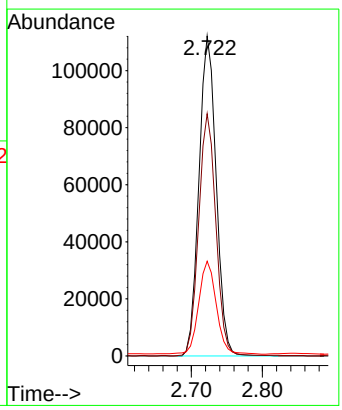
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

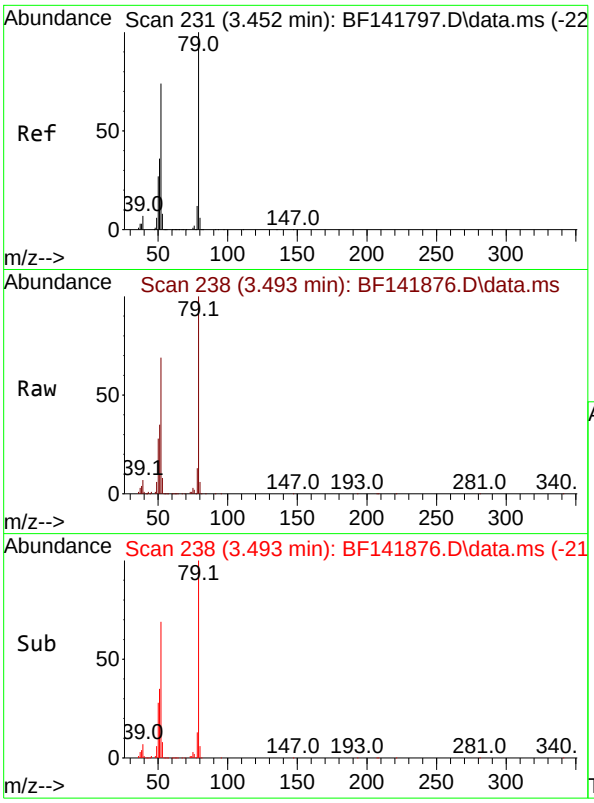


#2
1,4-Dioxane
Concen: 40.108 ng
RT: 2.722 min Scan# 107
Delta R.T. 0.035 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion: 88 Resp: 189030

Ion	Ratio	Lower	Upper
88	100		
58	75.9	63.9	95.9
43	29.9	23.0	34.6

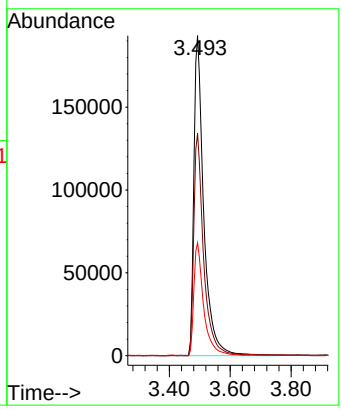




#3
Pyridine
Concen: 37.466 ng
RT: 3.493 min Scan# 2
Delta R.T. 0.041 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion: 79 Resp: 43934

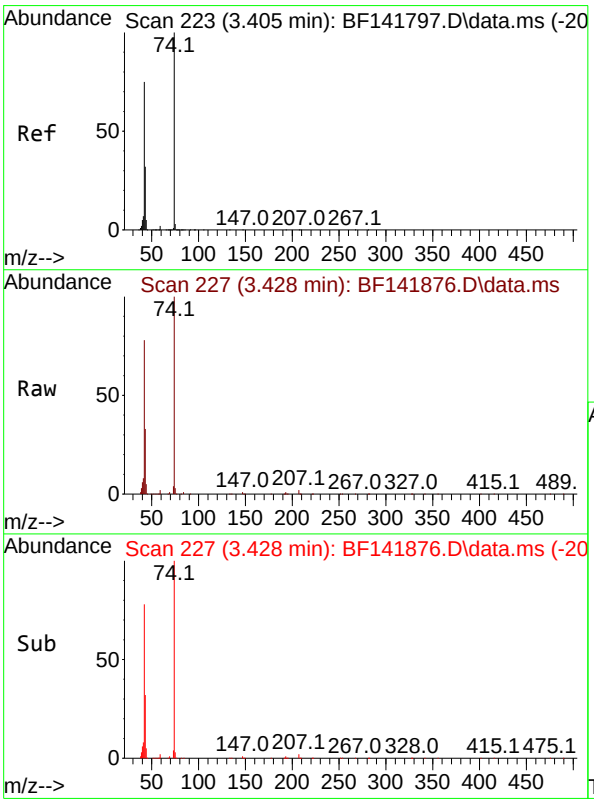
Ion	Ratio	Lower	Upper
79	100		
52	69.5	59.0	88.4
51	35.3	29.0	43.4



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
APPROVED

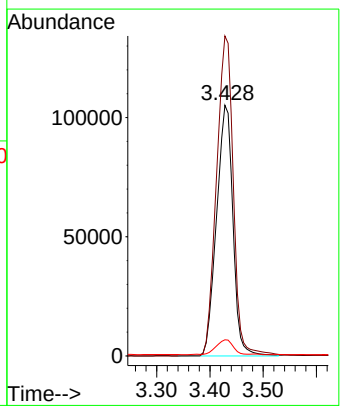
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

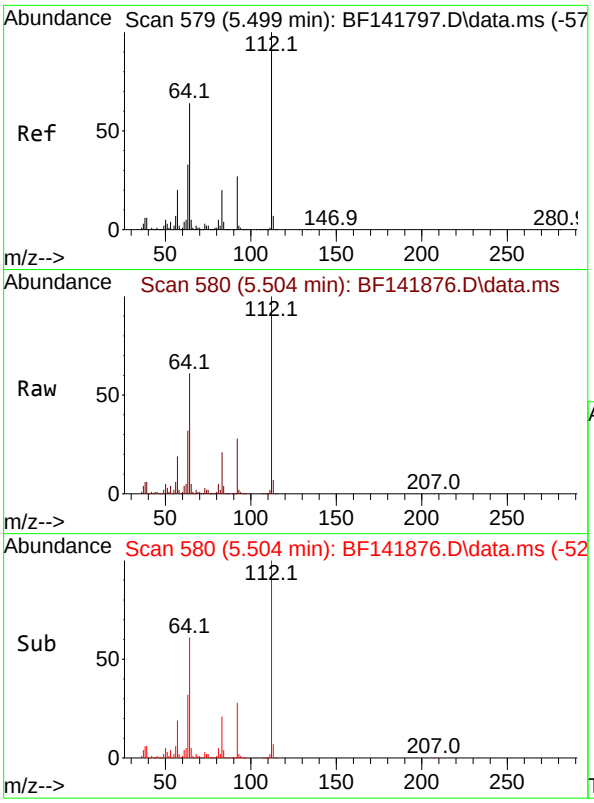


#4
n-Nitrosodimethylamine
Concen: 40.044 ng
RT: 3.428 min Scan# 227
Delta R.T. 0.023 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion: 42 Resp: 225946

Ion	Ratio	Lower	Upper
42	100		
74	127.6	107.1	160.7
44	6.5	6.6	9.8#

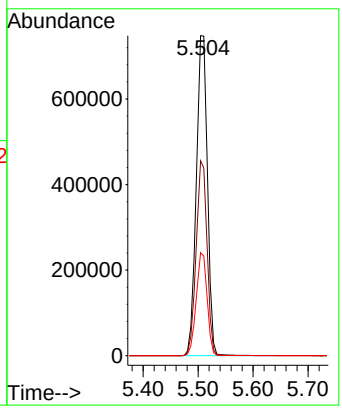




#5
2-Fluorophenol
Concen: 101.446 ng
RT: 5.504 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:112 Resp: 10537

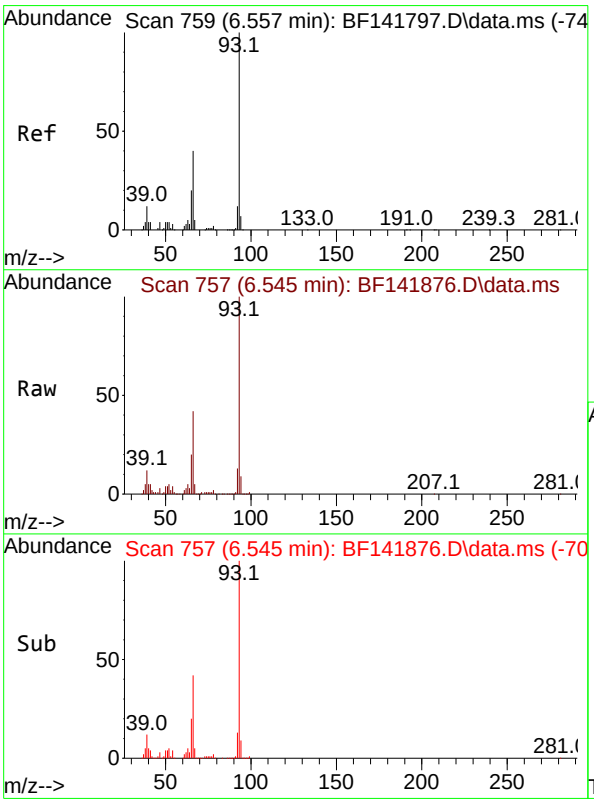
Ion	Ratio	Lower	Upper
112	100		
64	60.9	51.3	76.9
63	32.2	26.2	39.4



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
APPROVED

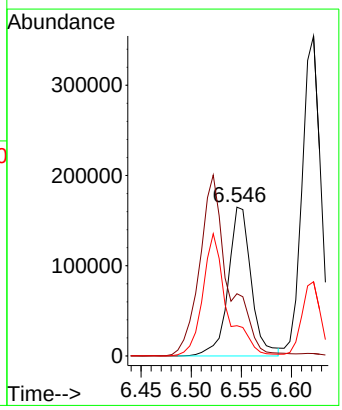
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

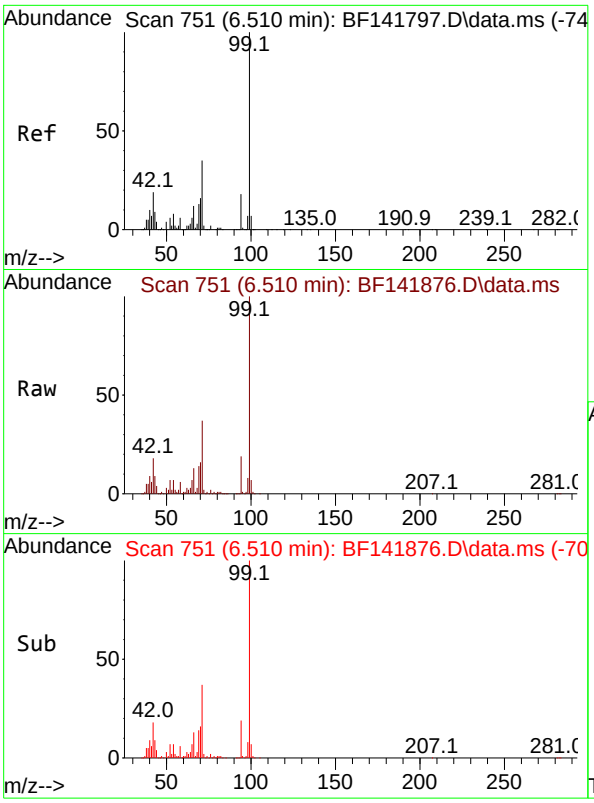


#6
Aniline
Concen: 18.738 ng
RT: 6.545 min Scan# 757
Delta R.T. -0.012 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion: 93 Resp: 263363

Ion	Ratio	Lower	Upper
93	100		
66	41.8	32.3	48.5
65	20.3	15.9	23.9

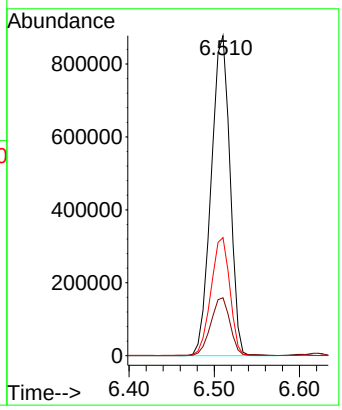




#7
Phenol-d6
Concen: 99.837 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion: 99 Resp: 134975

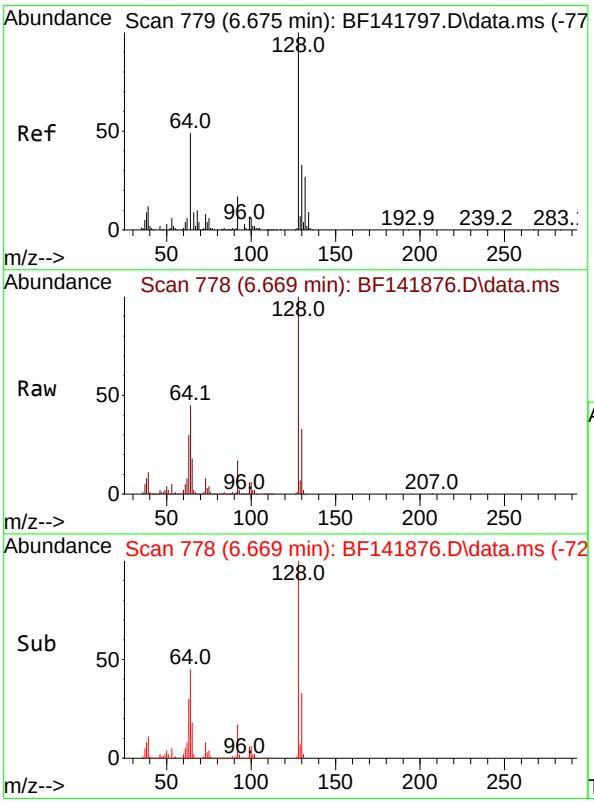
Ion	Ratio	Lower	Upper
99	100		
42	18.1	15.2	22.8
71	36.9	28.2	42.2



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
APPROVED

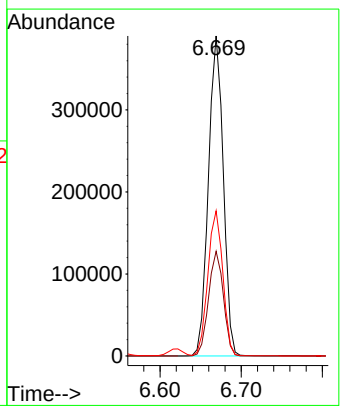
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

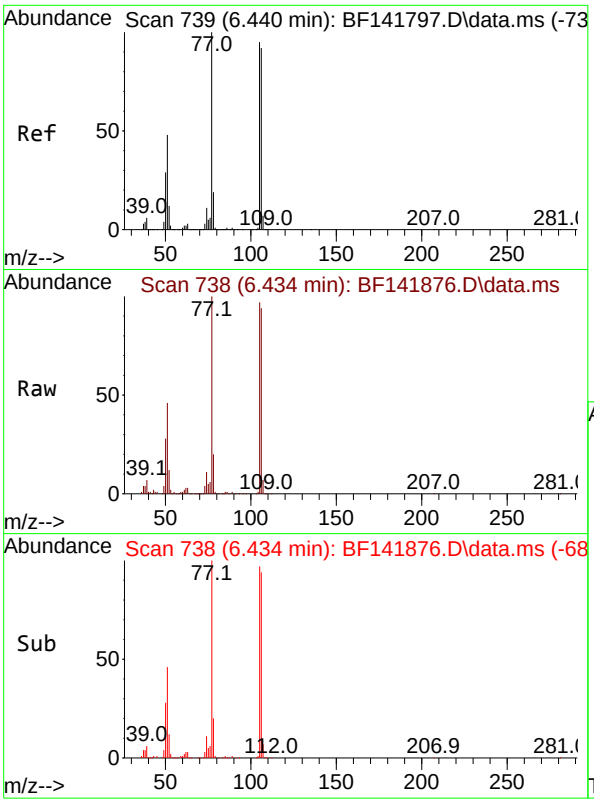


#8
2-Chlorophenol
Concen: 44.145 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:128 Resp: 496022

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.6	52.6
64	45.3	31.1	71.1

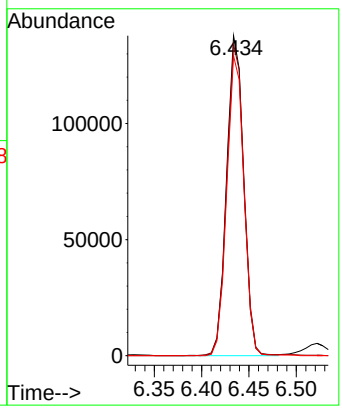




#9
Benzaldehyde
Concen: 21.989 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion: 77 Resp: 17292

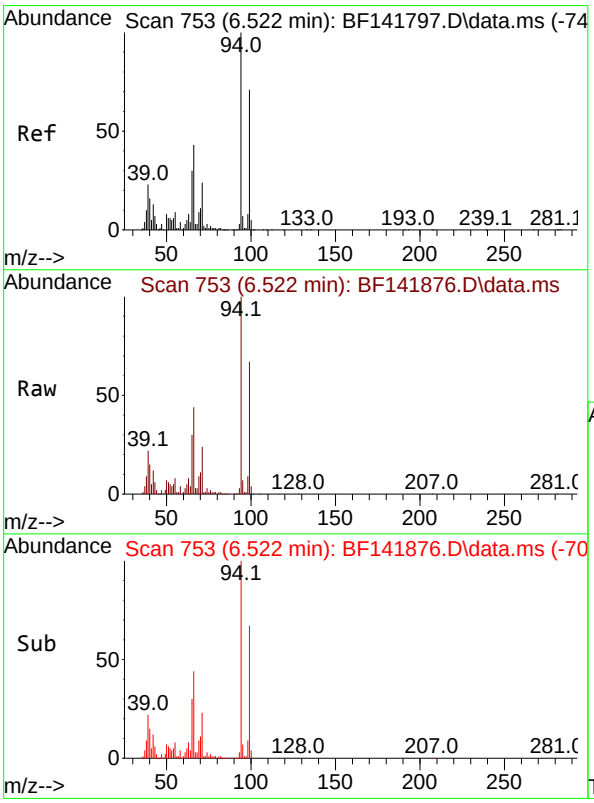
Ion	Ratio	Lower	Upper
77	100		
105	97.3	75.3	115.3
106	93.7	72.3	112.3



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
APPROVED

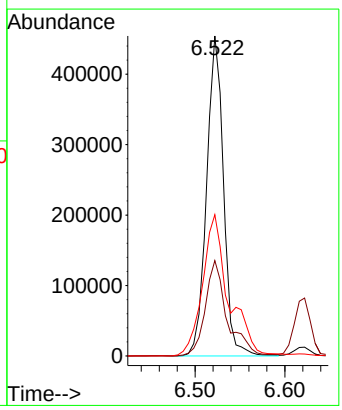
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

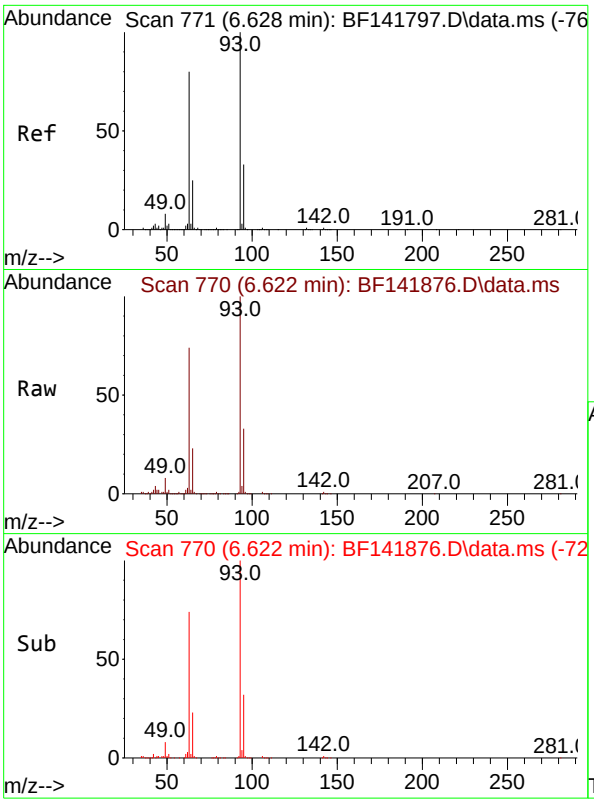


#10
Phenol
Concen: 41.241 ng
RT: 6.522 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion: 94 Resp: 595810

Ion	Ratio	Lower	Upper
94	100		
65	29.8	10.2	50.2
66	44.1	23.2	63.2

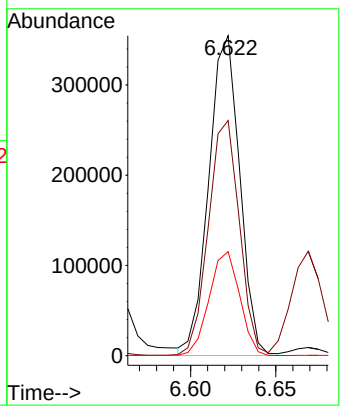




#11
bis(2-Chloroethyl)ether
Concen: 40.728 ng
RT: 6.622 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion: 93 Resp: 44851

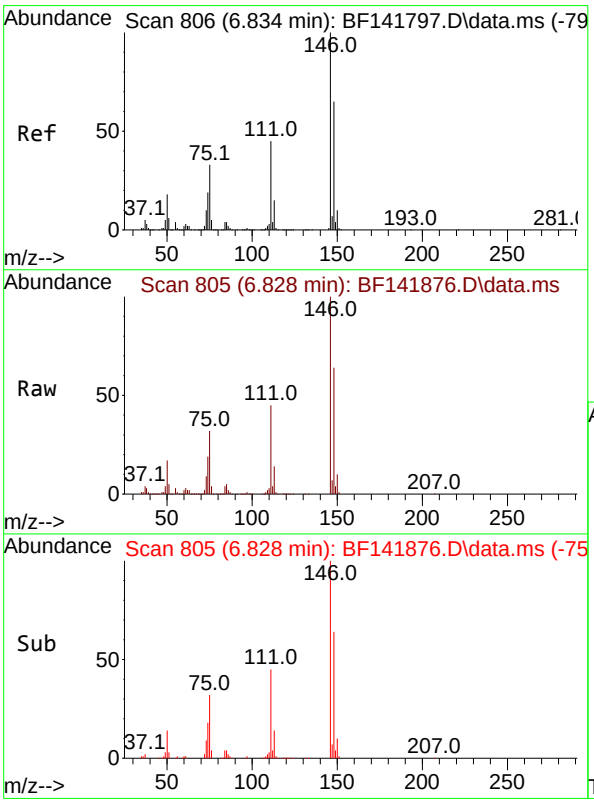
Ion	Ratio	Lower	Upper
93	100		
63	73.5	59.3	99.3
95	32.5	13.2	53.2



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
APPROVED

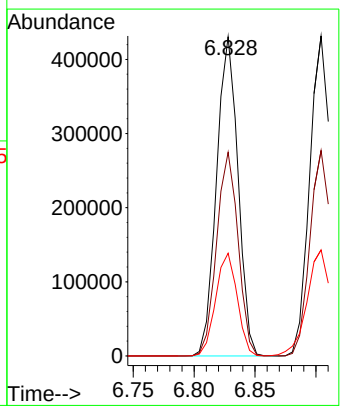
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

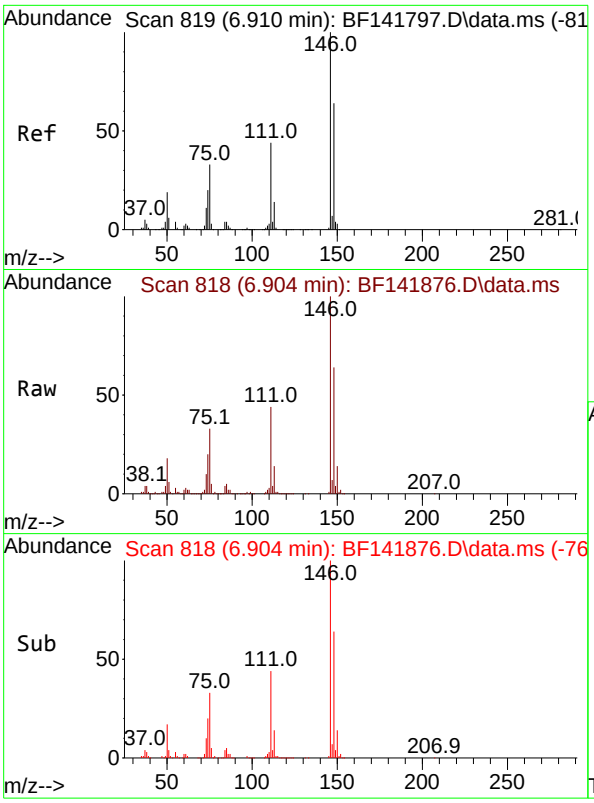


#12
1,3-Dichlorobenzene
Concen: 43.866 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:146 Resp: 527851

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.8	77.6
75	32.2	26.2	39.4

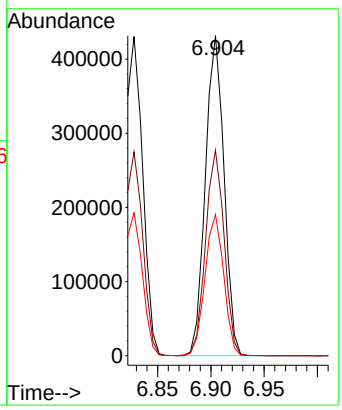




#13
1,4-Dichlorobenzene
Concen: 43.339 ng
RT: 6.904 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:146 Resp: 52546

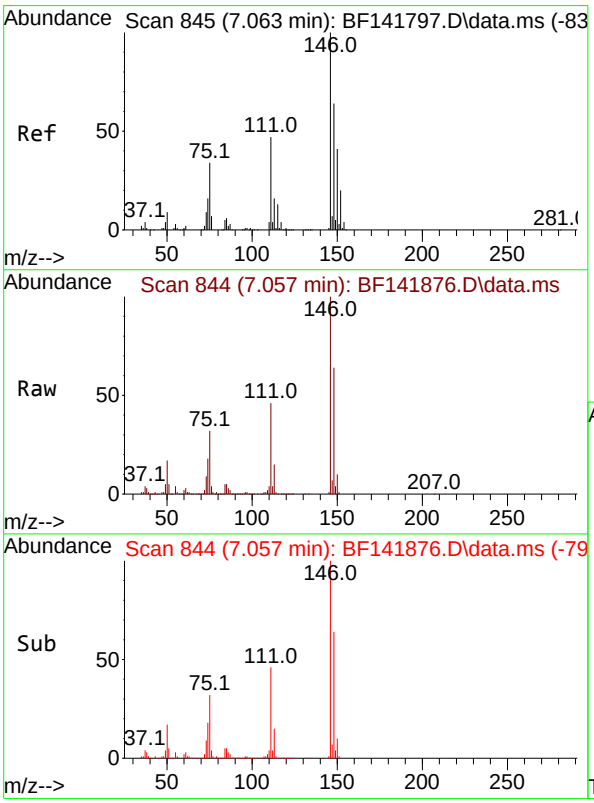
Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.2
111	44.1	35.5	53.3



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

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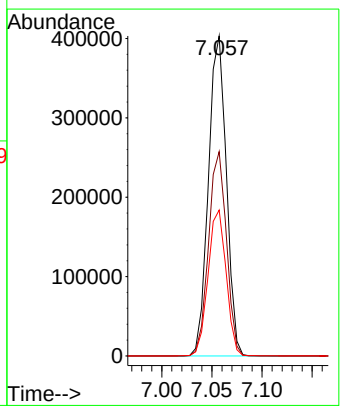
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

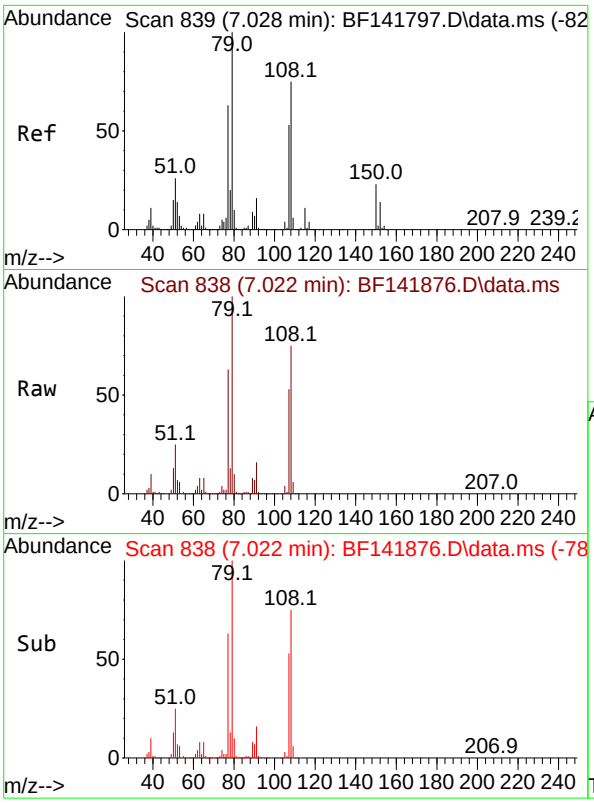


#14
1,2-Dichlorobenzene
Concen: 44.349 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:146 Resp: 502115

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.2	76.8
111	45.6	37.8	56.6





#15
Benzyl Alcohol
Concen: 40.715 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

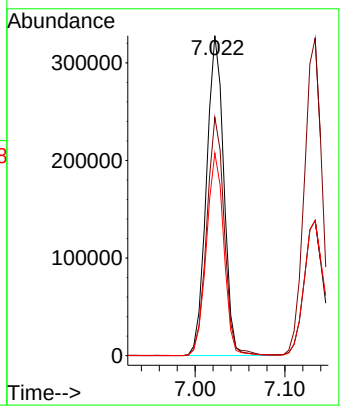
Tgt Ion: 79 Resp: 43992

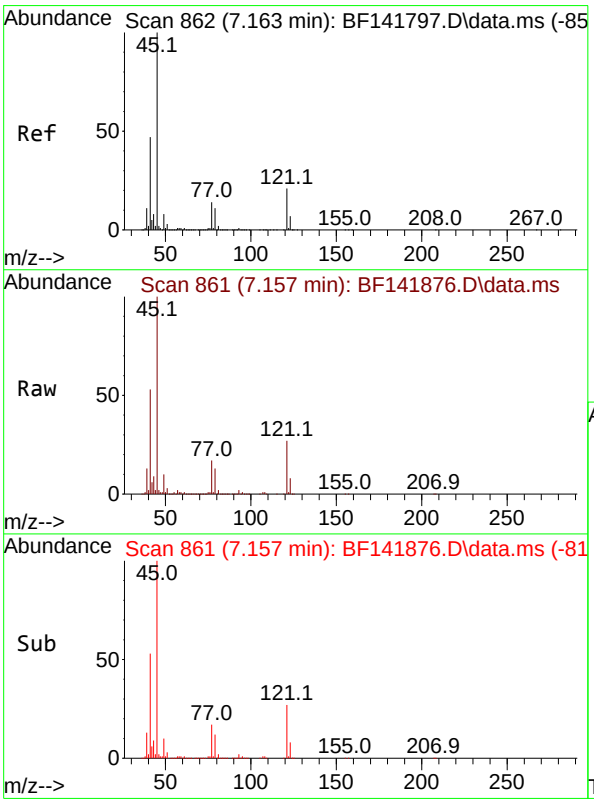
Ion	Ratio	Lower	Upper
79	100		
108	74.5	60.2	90.2
77	63.3	50.2	75.2

Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

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Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

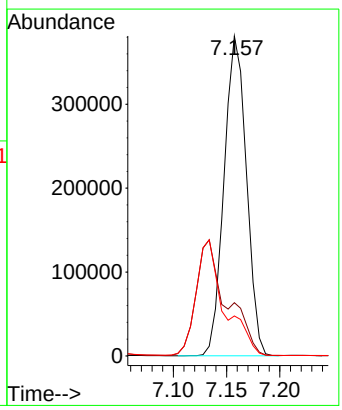


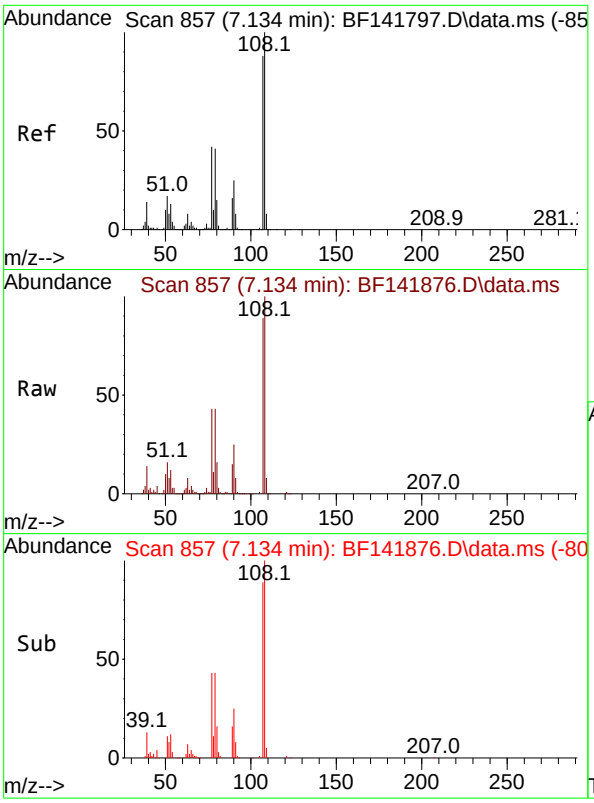


#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.251 ng
RT: 7.157 min Scan# 861
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion: 45 Resp: 556085

Ion	Ratio	Lower	Upper
45	100		
77	16.6	0.0	34.4
79	12.5	0.0	30.9

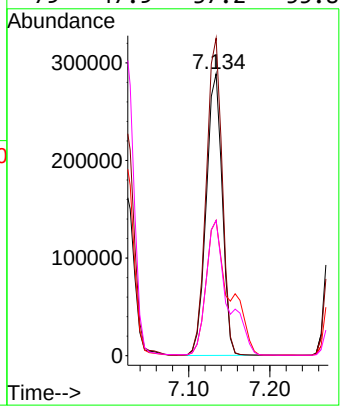




#17
2-Methylphenol
Concen: 42.480 ng
RT: 7.134 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:107 Resp: 39399

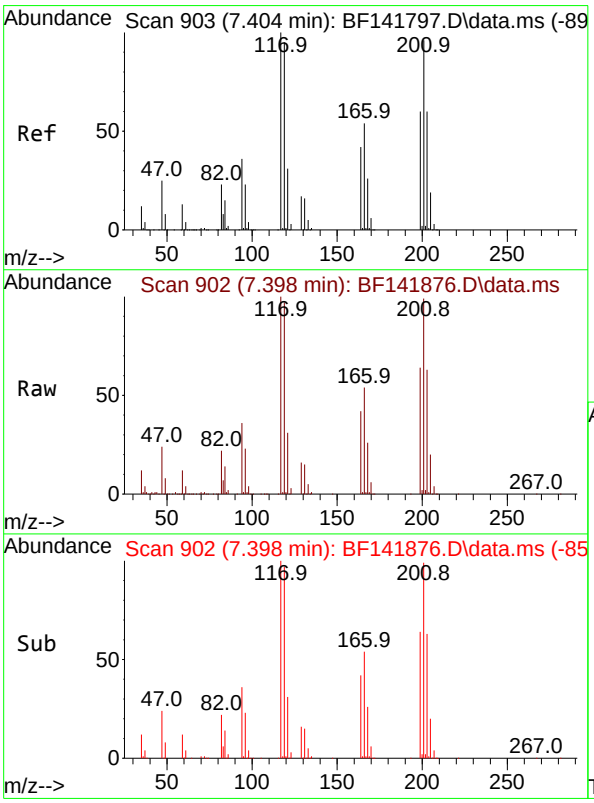
Ion	Ratio	Lower	Upper
107	100		
108	112.6	90.6	135.8
77	47.9	37.7	56.5
79	47.9	37.2	55.8



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
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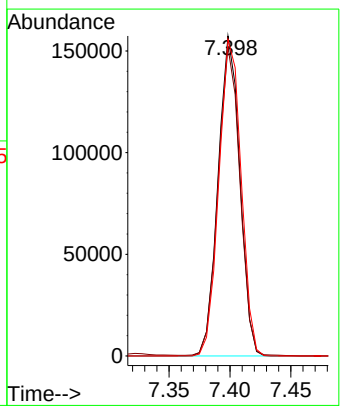
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

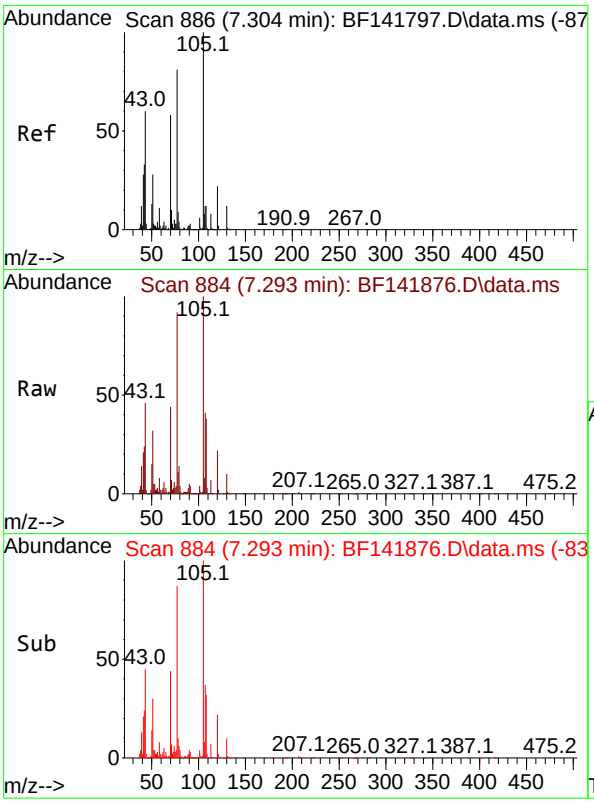


#18
Hexachloroethane
Concen: 43.133 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:117 Resp: 195738

Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.8	113.8
201	98.9	76.7	115.1

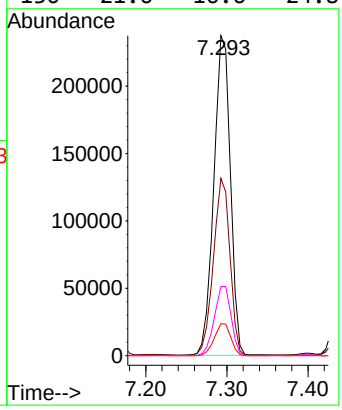




#19
n-Nitroso-di-n-propylamine
Concen: 37.803 ng
RT: 7.293 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion: 70 Resp: 33596

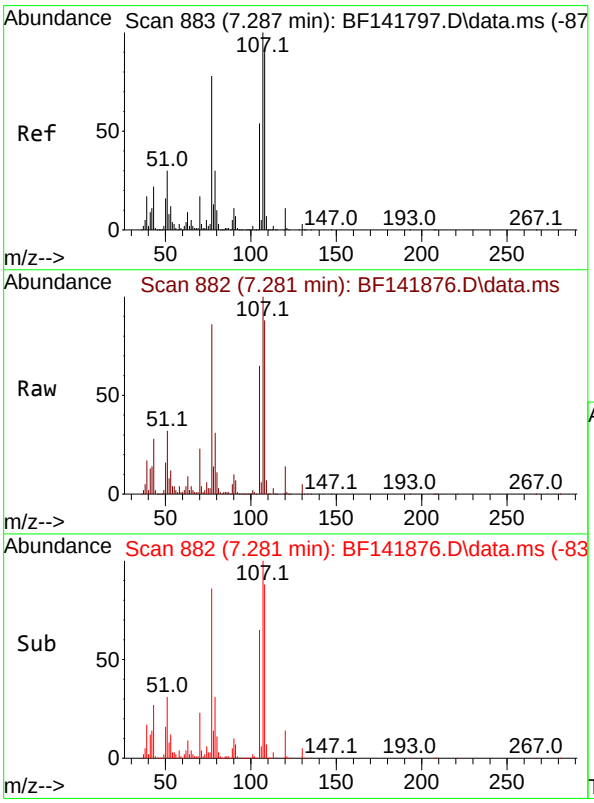
Ion	Ratio	Lower	Upper
70	100		
42	55.4	45.4	68.0
101	10.0	7.8	11.8
130	21.6	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
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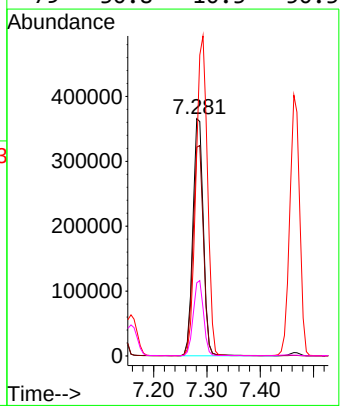
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

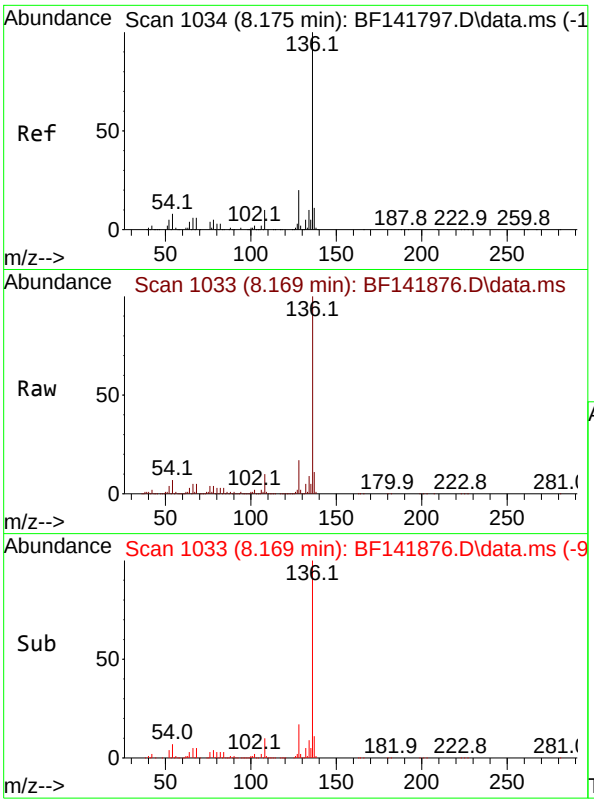


#20
3+4-Methylphenols
Concen: 43.160 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:107 Resp: 498449

Ion	Ratio	Lower	Upper
107	100		
108	88.0	69.7	109.7
77	86.1	58.3	98.3
79	30.8	10.3	50.3

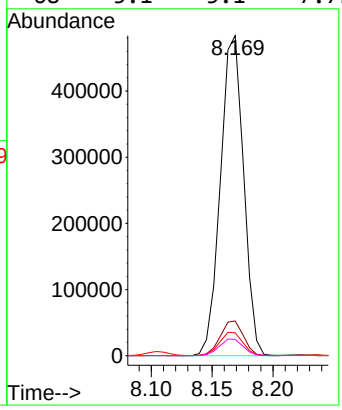




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:136 Resp: 64133

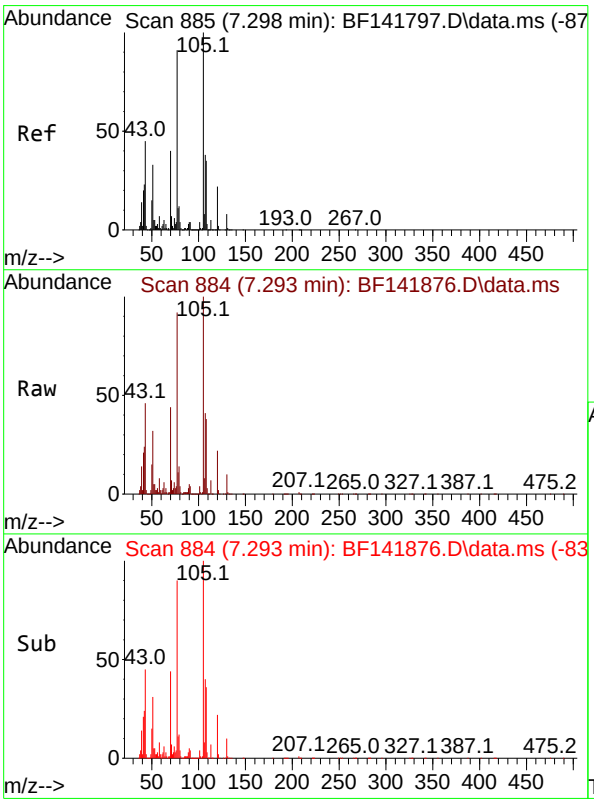
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.2	6.9	10.3
68	5.1	5.1	7.7#



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
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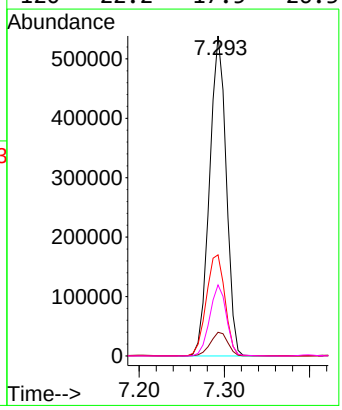
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

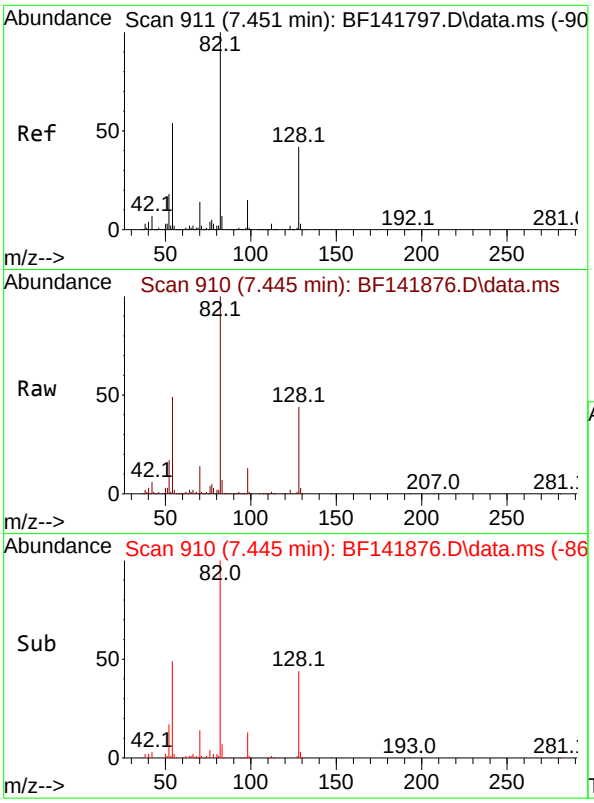


#22
Acetophenone
Concen: 47.093 ng
RT: 7.293 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:105 Resp: 735580

Ion	Ratio	Lower	Upper
105	100		
71	7.4	5.4	8.0
51	31.6	26.1	39.1
120	22.2	17.5	26.3

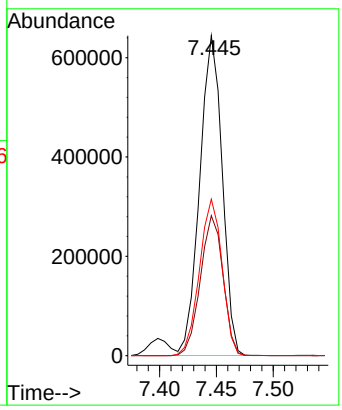




#23
Nitrobenzene-d5
Concen: 88.292 ng
RT: 7.445 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion: 82 Resp: 88587

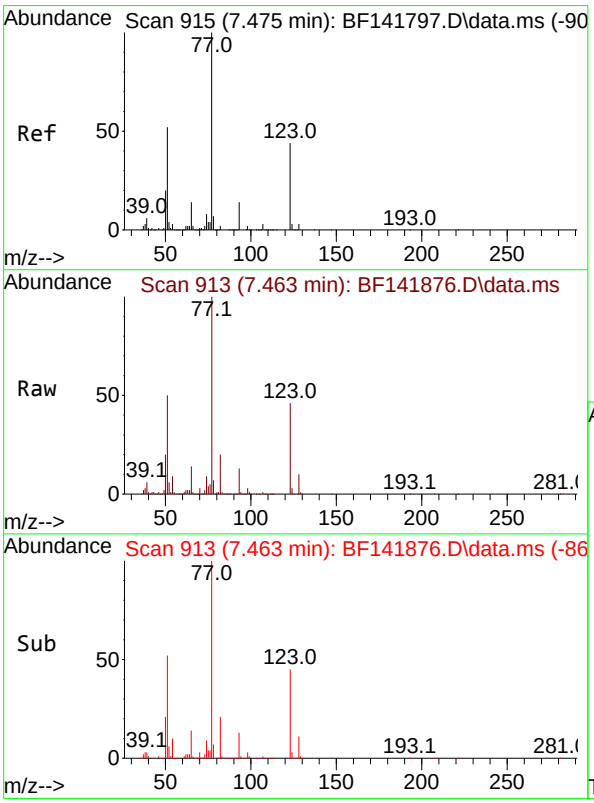
Ion	Ratio	Lower	Upper
82	100		
128	43.8	33.5	50.3
54	48.9	42.7	64.1



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
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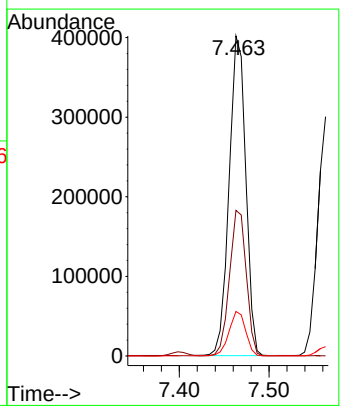
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

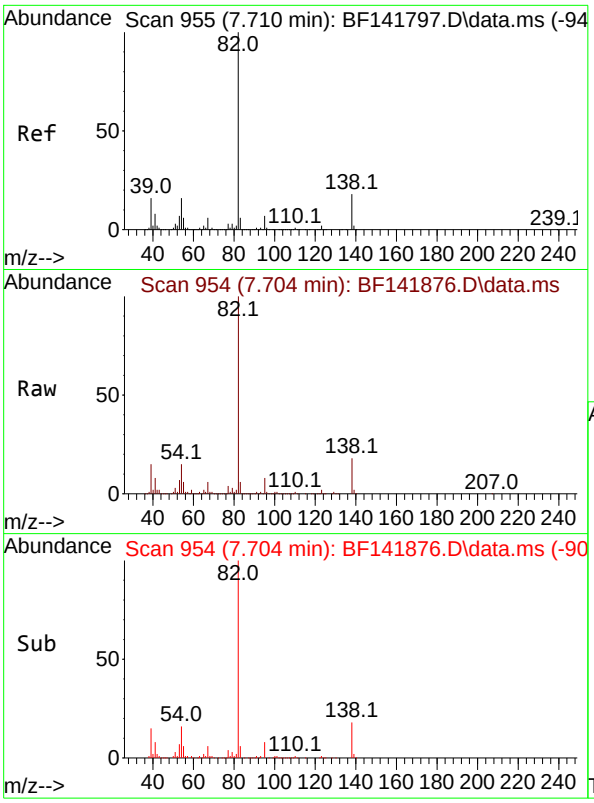


#24
Nitrobenzene
Concen: 48.141 ng
RT: 7.463 min Scan# 913
Delta R.T. -0.012 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion: 77 Resp: 517248

Ion	Ratio	Lower	Upper
77	100		
123	45.5	35.8	53.8
65	13.9	11.2	16.8

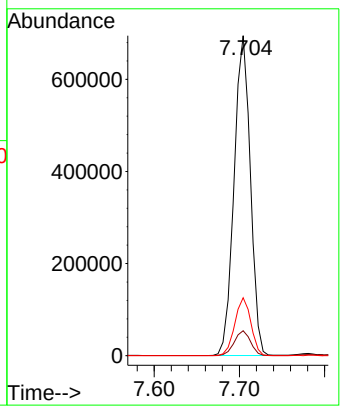




#25
Isophorone
Concen: 42.790 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion: 82 Resp: 92236

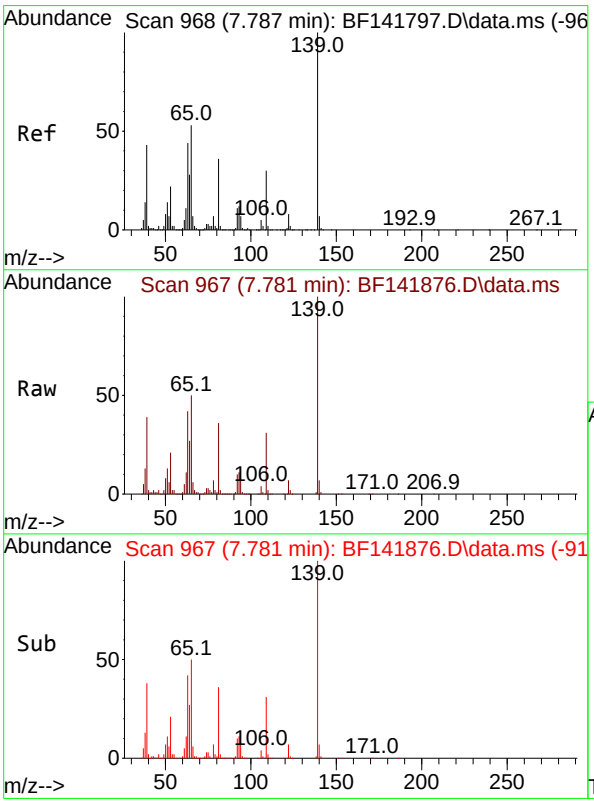
Ion	Ratio	Lower	Upper
82	100		
95	7.8	5.8	8.8
138	18.1	14.0	21.0



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
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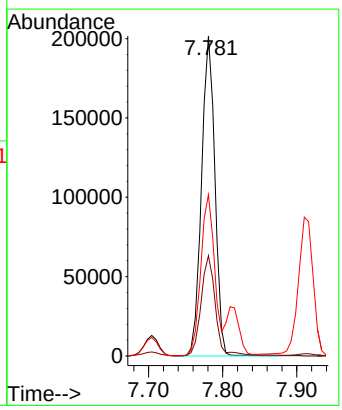
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

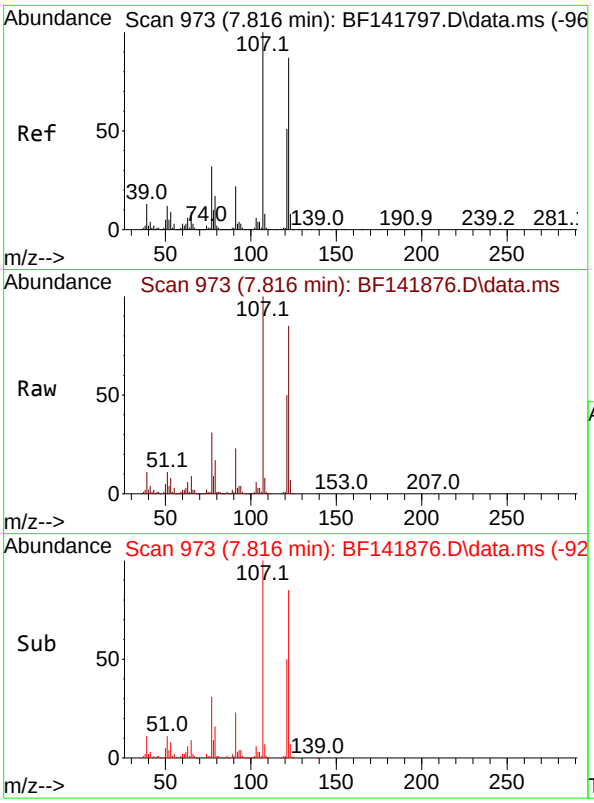


#26
2-Nitrophenol
Concen: 52.435 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:139 Resp: 253903

Ion	Ratio	Lower	Upper
139	100		
109	31.4	24.1	36.1
65	50.4	42.3	63.5

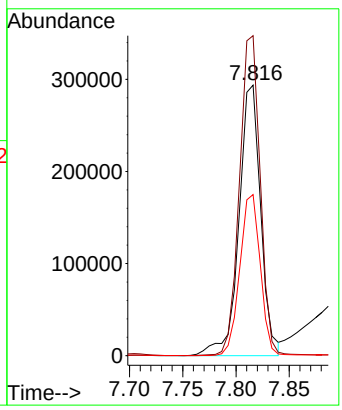




#27
2,4-Dimethylphenol
Concen: 52.875 ng
RT: 7.816 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:122 Resp: 41896

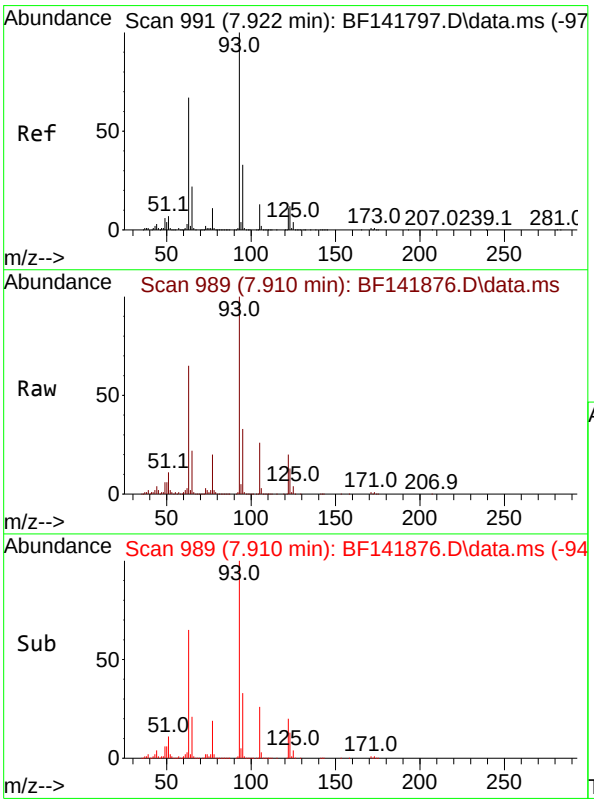
Ion	Ratio	Lower	Upper
122	100		
107	118.3	92.5	138.7
121	59.6	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
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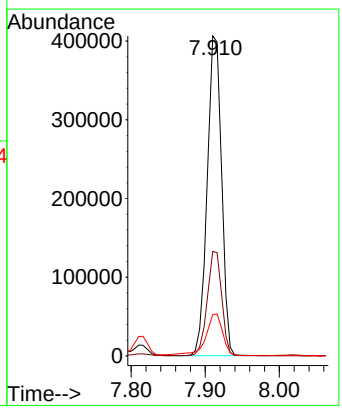
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

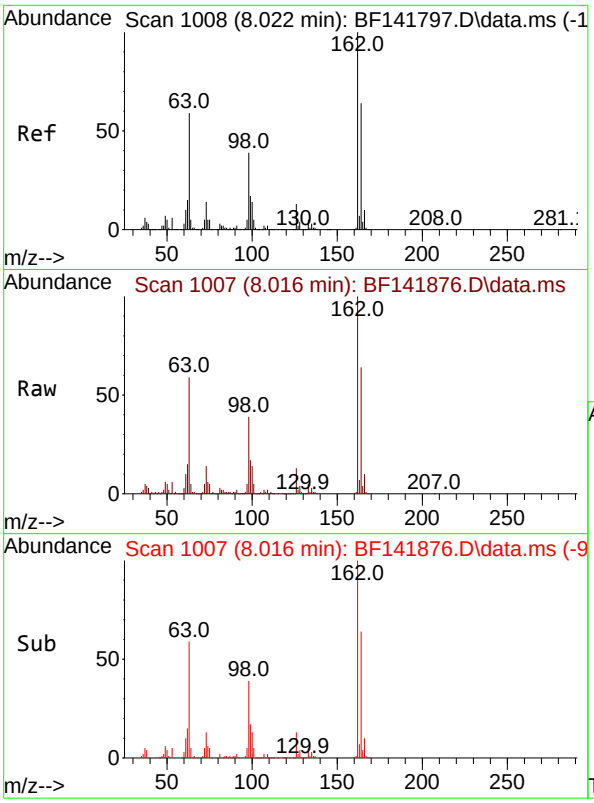


#28
bis(2-Chloroethoxy)methane
Concen: 39.852 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.012 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion: 93 Resp: 547974

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.5	39.7
123	13.0	10.0	15.0





#29
2,4-Dichlorophenol
Concen: 44.420 ng
RT: 8.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

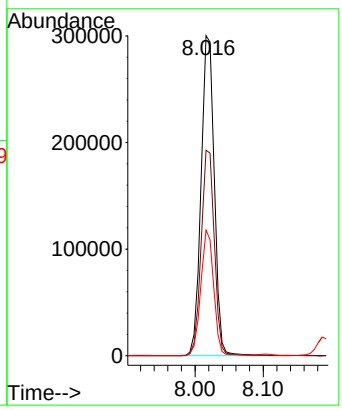
Tgt Ion:162 Resp: 40603

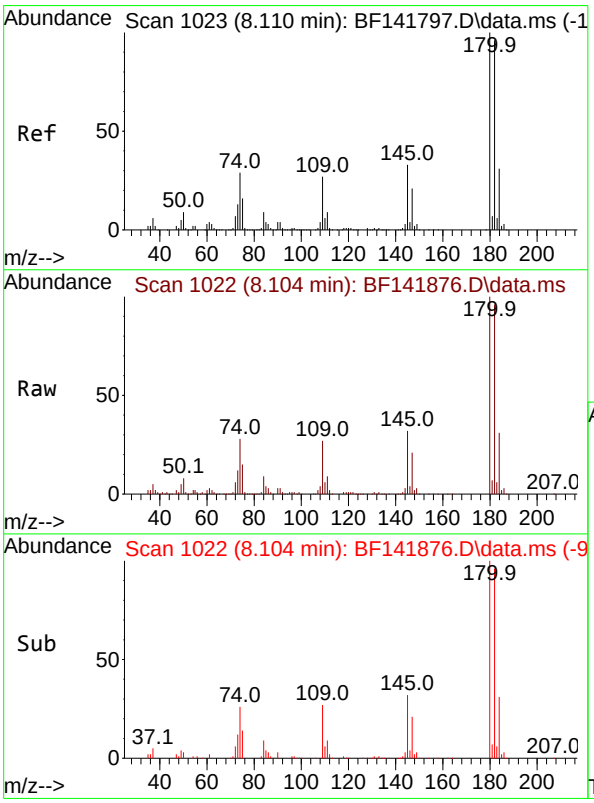
Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.3	84.3
98	39.2	19.6	59.6

Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

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Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

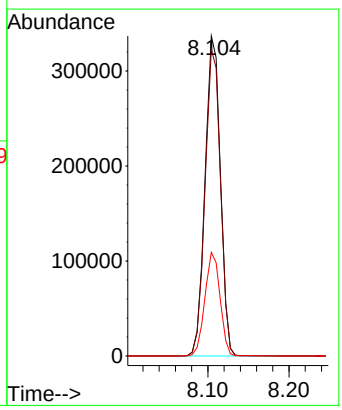


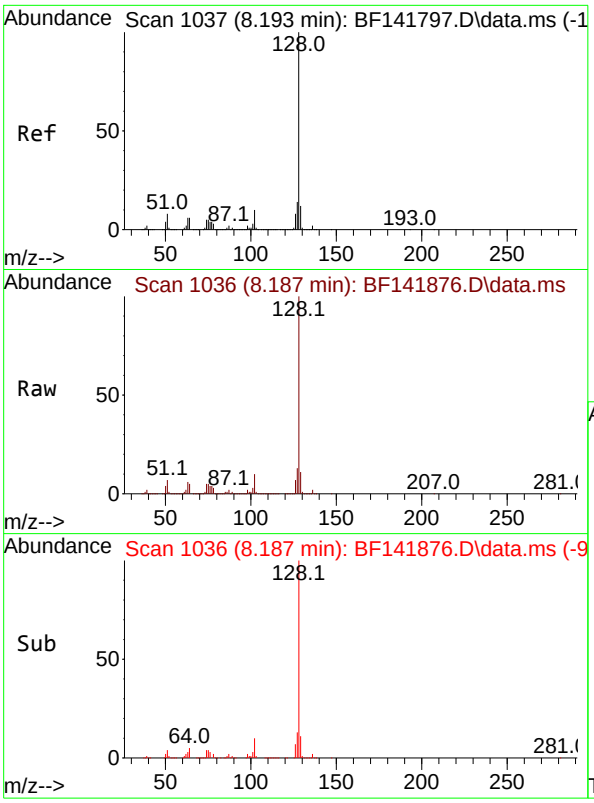


#30
1,2,4-Trichlorobenzene
Concen: 44.002 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:180 Resp: 440747

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.8	115.2
145	32.3	26.4	39.6

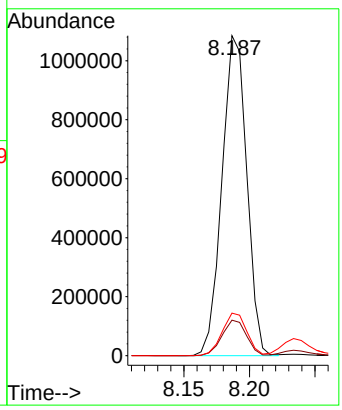




#31
Naphthalene
Concen: 43.281 ng
RT: 8.187 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:128 Resp: 142663

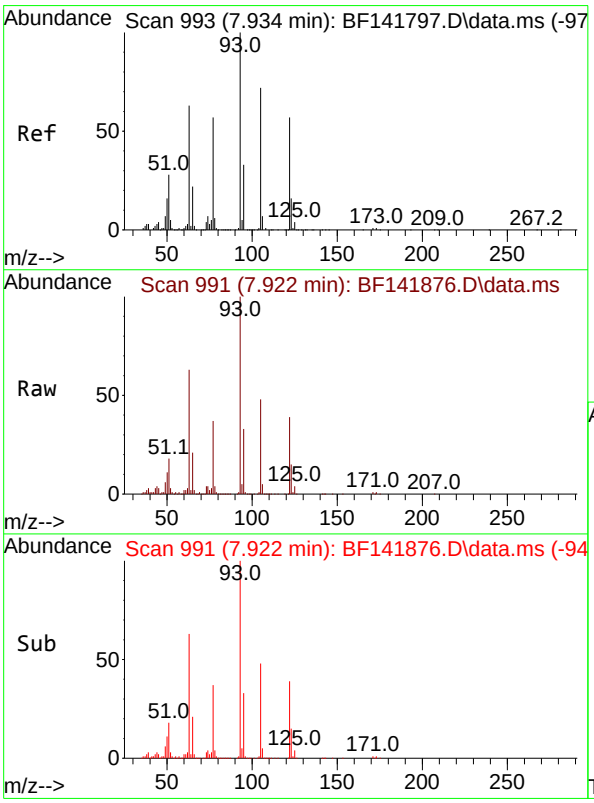
Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.2	13.8
127	13.3	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
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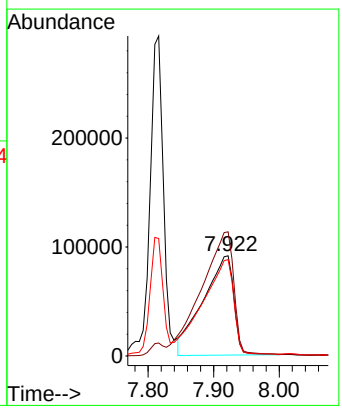
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

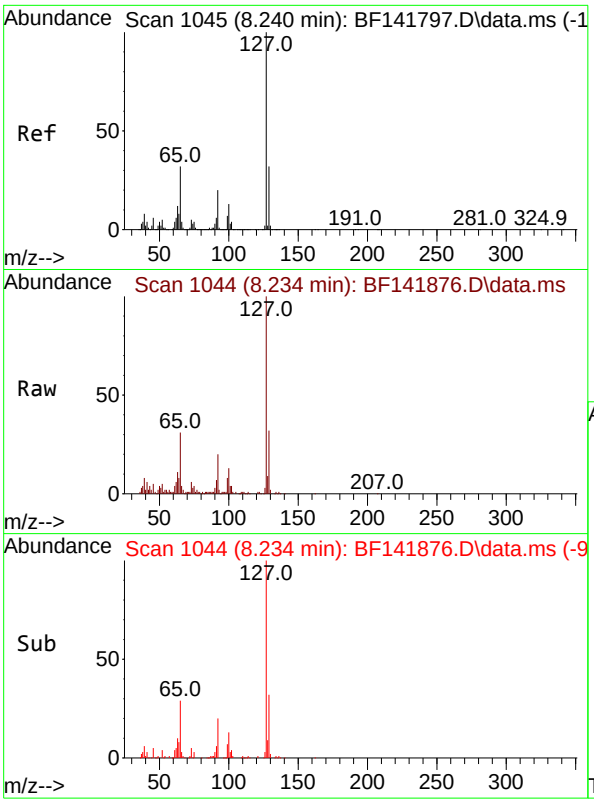


#32
Benzoic acid
Concen: 45.490 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.012 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:122 Resp: 297673

Ion	Ratio	Lower	Upper
122	100		
105	124.0	105.8	145.8
77	96.1	79.9	119.9

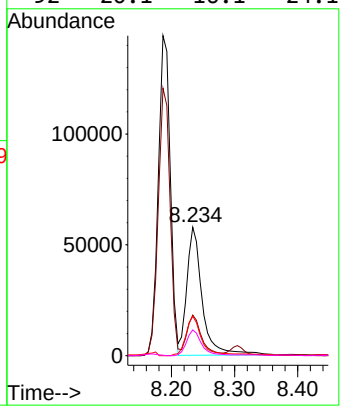




#33
4-Chloroaniline
Concen: 8.147 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:127 Resp: 9845

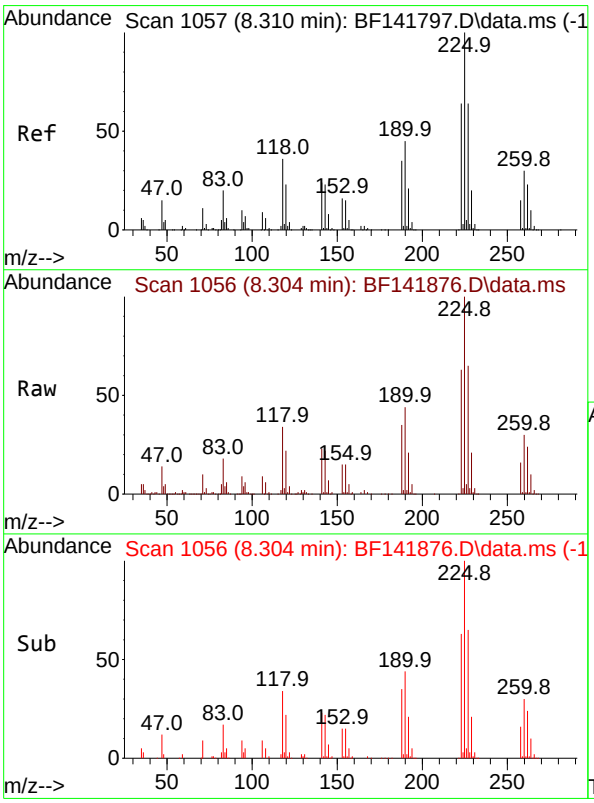
Ion	Ratio	Lower	Upper
127	100		
129	31.6	26.1	39.1
65	30.6	25.7	38.5
92	20.1	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
APPROVED

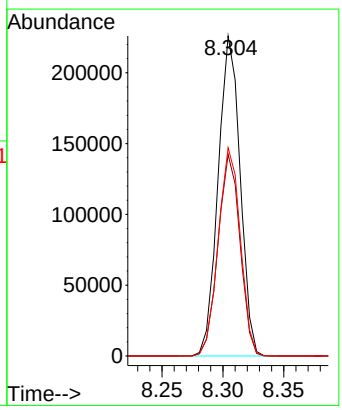
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

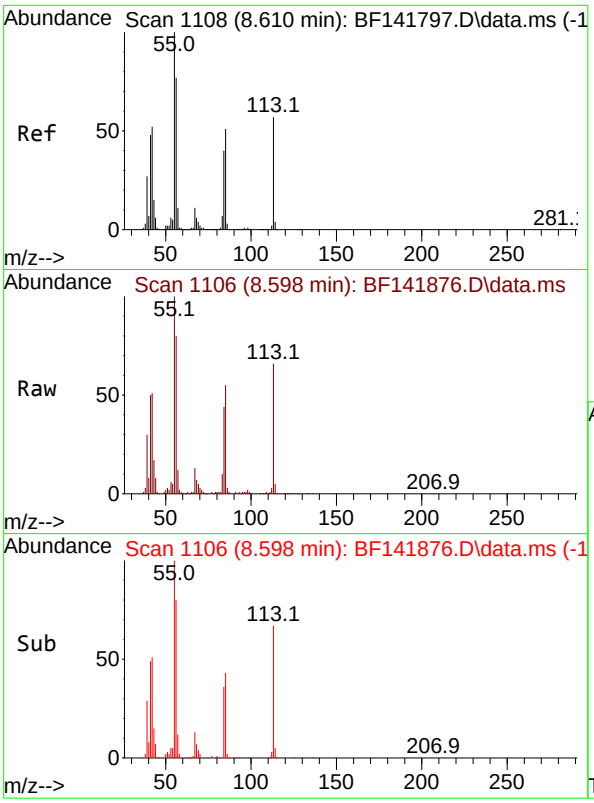


#34
Hexachlorobutadiene
Concen: 45.662 ng
RT: 8.304 min Scan# 1056
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:225 Resp: 284215

Ion	Ratio	Lower	Upper
225	100		
223	62.9	51.4	77.2
227	65.1	51.6	77.4

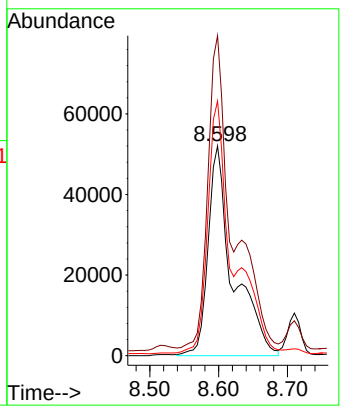




#35
Caprolactam
Concen: 46.527 ng m
RT: 8.598 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:113 Resp: 13083

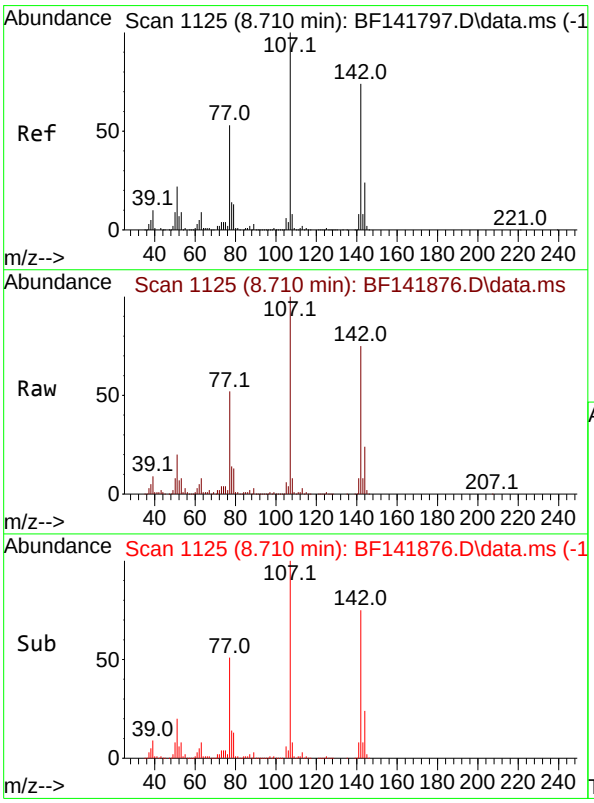
Ion	Ratio	Lower	Upper
113	100		
55	152.6	155.6	195.6
56	121.5	114.6	154.6



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
APPROVED

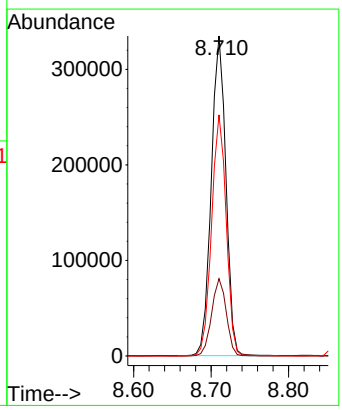
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

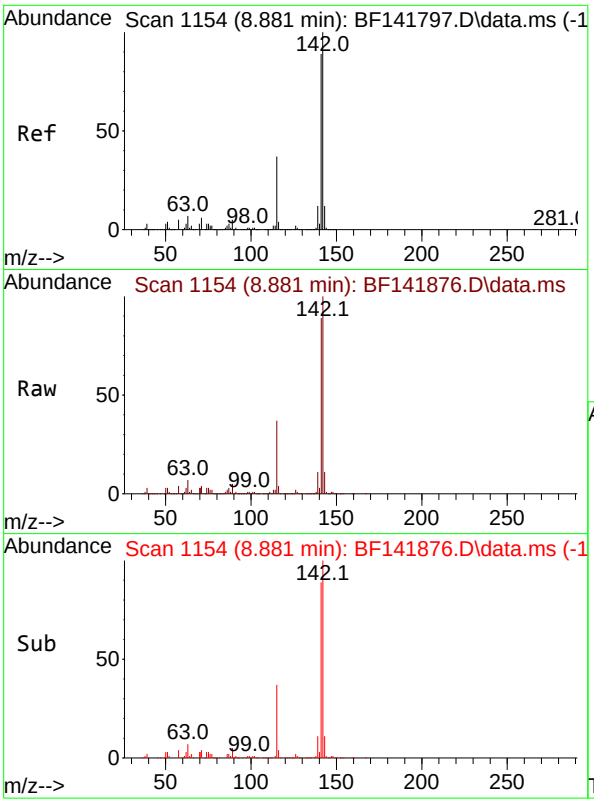


#36
4-Chloro-3-methylphenol
Concen: 43.133 ng
RT: 8.710 min Scan# 1125
Delta R.T. -0.000 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:107 Resp: 437995

Ion	Ratio	Lower	Upper
107	100		
144	24.2	19.4	29.0
142	75.3	59.4	89.0

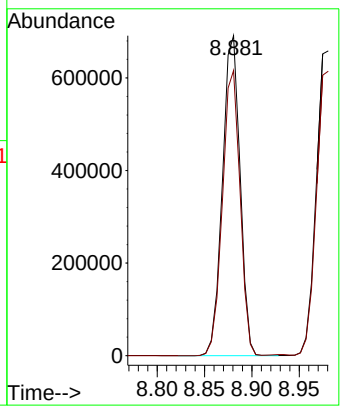




#37
2-Methylnaphthalene
Concen: 41.429 ng
RT: 8.881 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:142 Resp: 89570

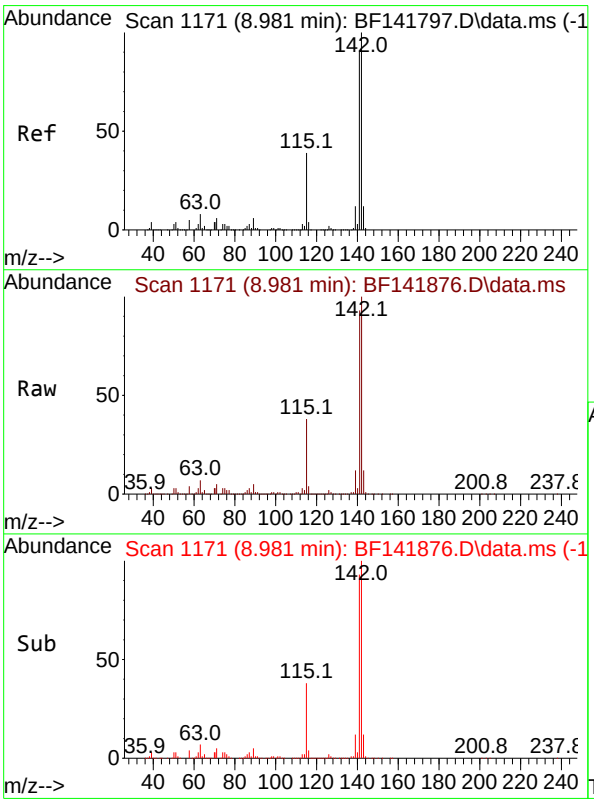
Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.1	106.7



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
APPROVED

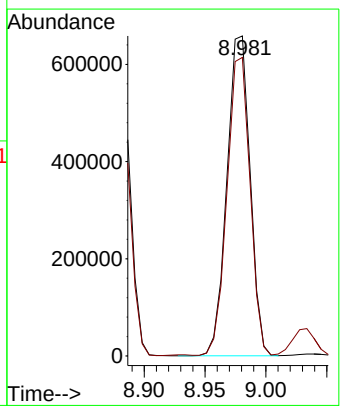
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

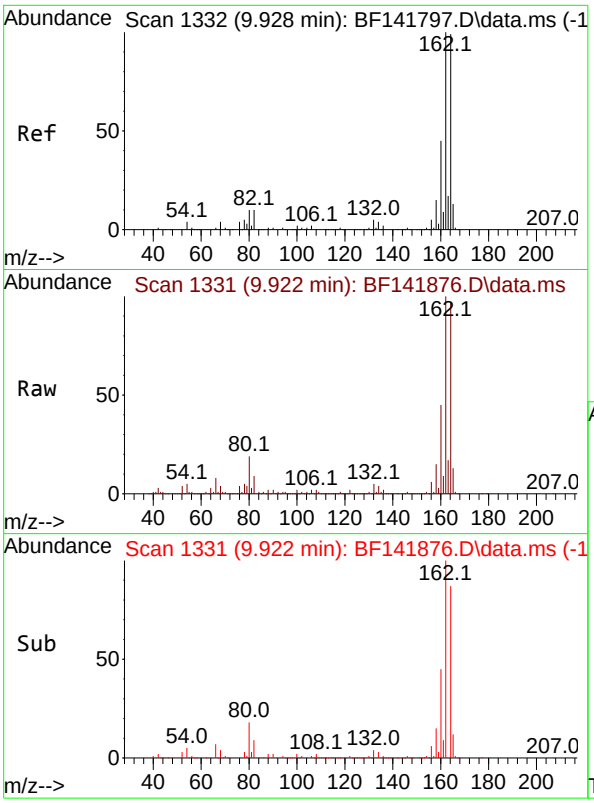


#38
1-Methylnaphthalene
Concen: 42.033 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:142 Resp: 871992

Ion	Ratio	Lower	Upper
142	100		
141	93.3	73.1	109.7

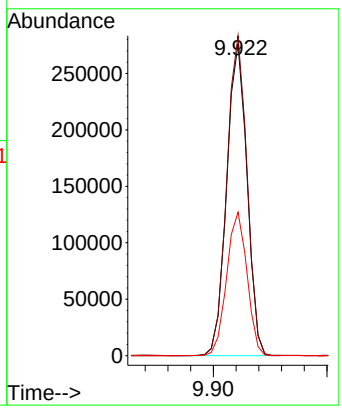




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:164 Resp: 34310

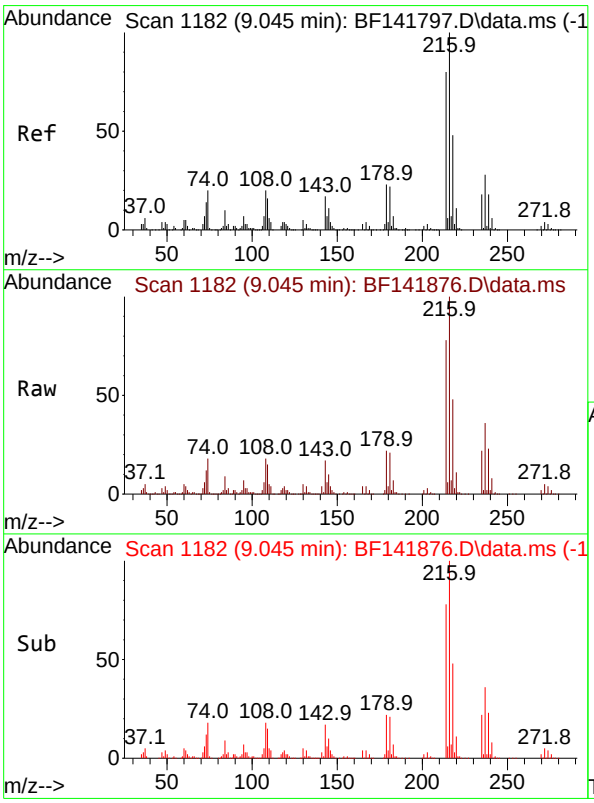
Ion	Ratio	Lower	Upper
164	100		
162	102.7	80.6	120.8
160	46.1	36.3	54.5



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
APPROVED

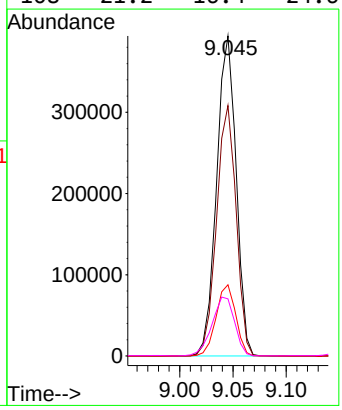
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

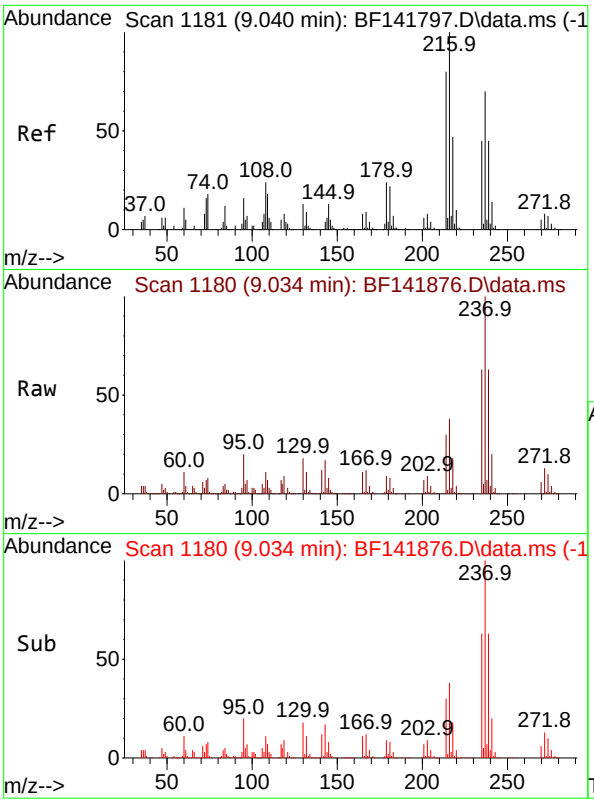


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.585 ng
RT: 9.045 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:216 Resp: 501259

Ion	Ratio	Lower	Upper
216	100		
214	78.5	63.5	95.3
179	22.4	18.1	27.1
108	21.2	16.4	24.6





#41
Hexachlorocyclopentadiene
Concen: 150.328 ng
RT: 9.034 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

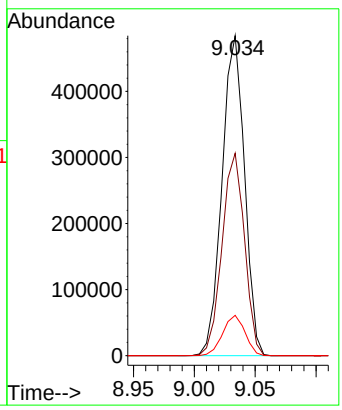
Tgt Ion:237 Resp: 62166

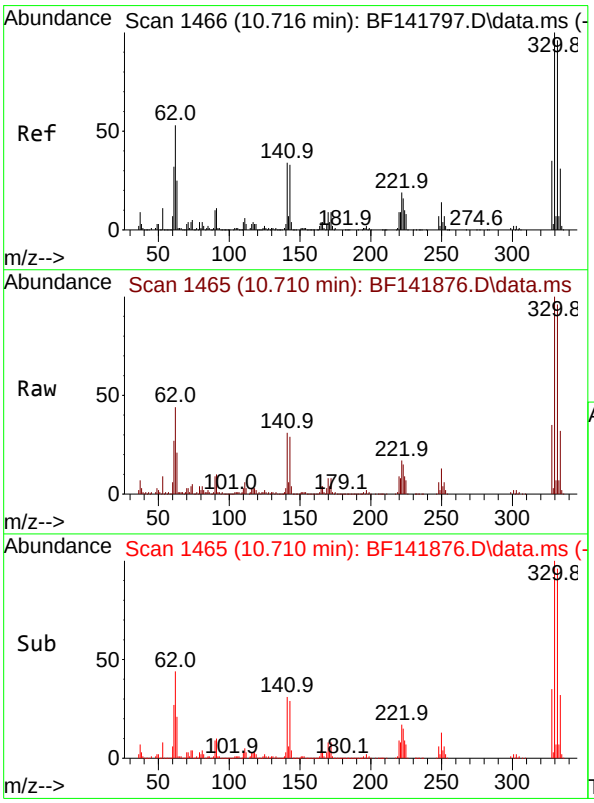
Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.3	83.3
272	12.6	0.0	31.9

Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
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Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

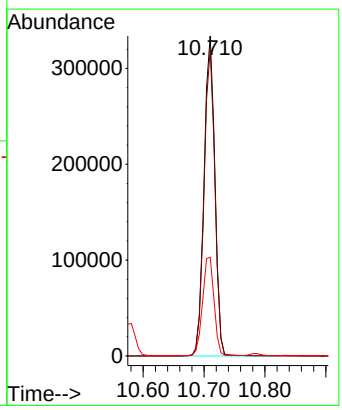


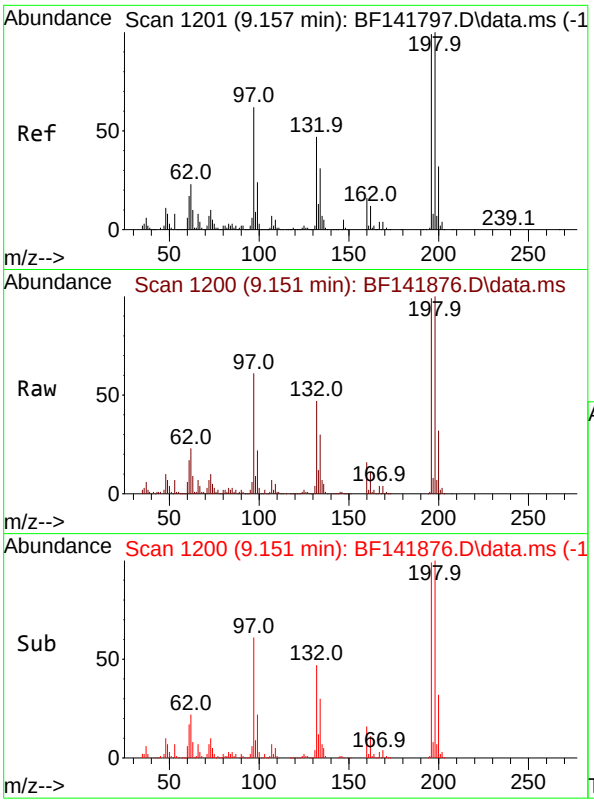


#42
2,4,6-Tribromophenol
Concen: 127.930 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:330 Resp: 412077

Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.6	115.0
141	32.5	29.0	43.4





#43
2,4,6-Trichlorophenol
Concen: 45.812 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

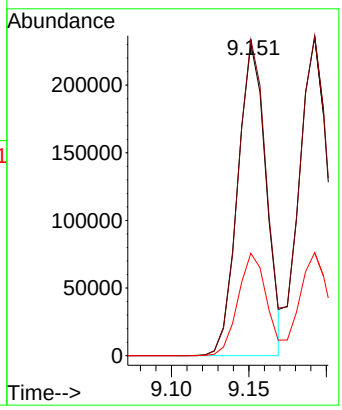
Tgt Ion:196 Resp: 29324

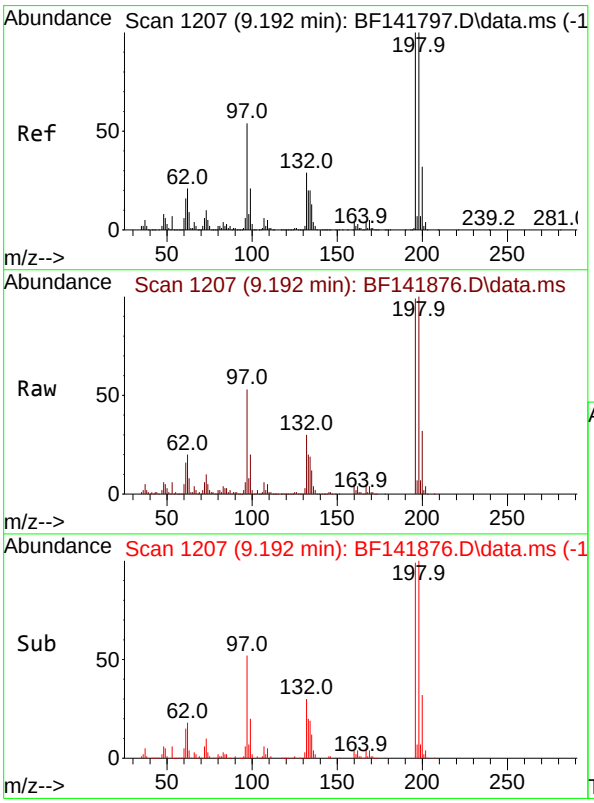
Ion	Ratio	Lower	Upper
196	100		
198	101.3	80.4	120.6
200	32.8	25.7	38.5

Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

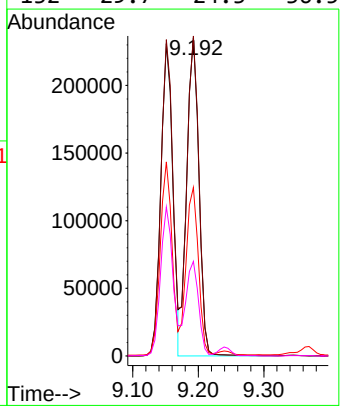


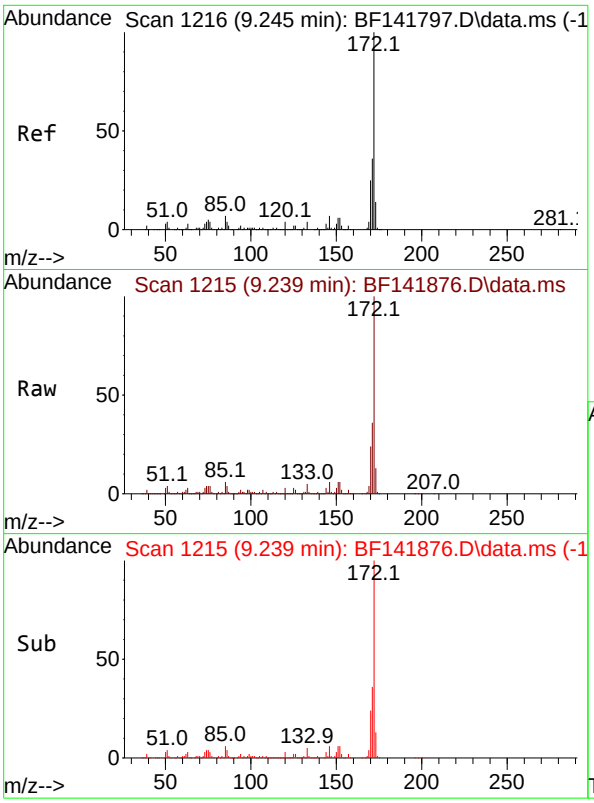


#44
2,4,5-Trichlorophenol
Concen: 47.702 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.000 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:196 Resp: 302356

Ion	Ratio	Lower	Upper
196	100		
198	100.6	79.7	119.5
97	52.9	44.2	66.2
132	29.7	24.3	36.5

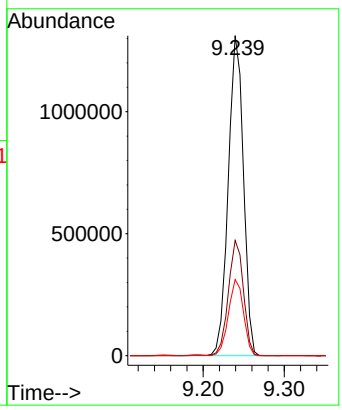




#45
2-Fluorobiphenyl
Concen: 79.519 ng
RT: 9.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:172 Resp: 170153

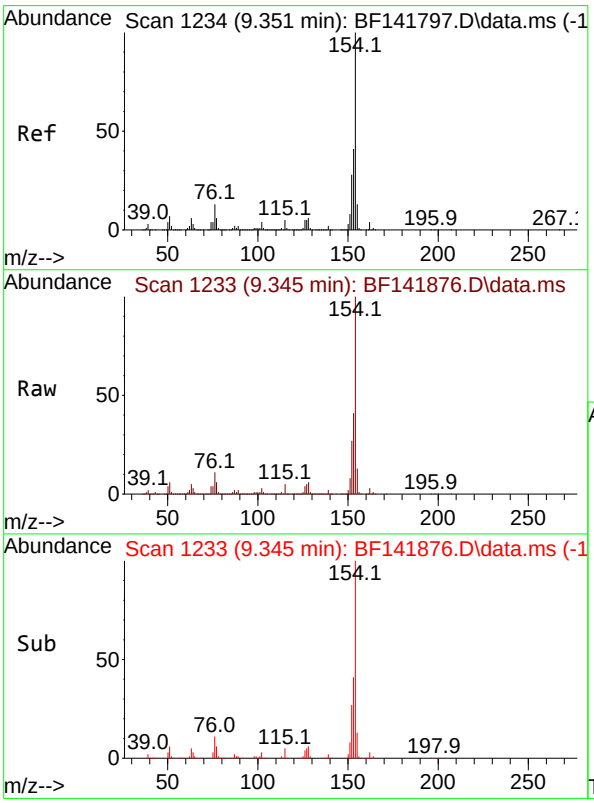
Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.2	43.8
170	23.8	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
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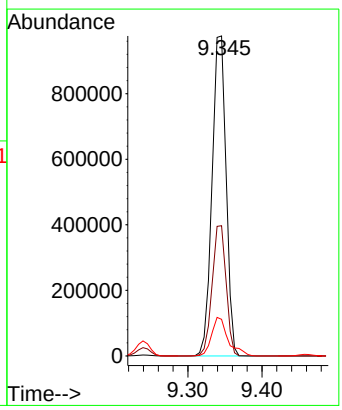
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

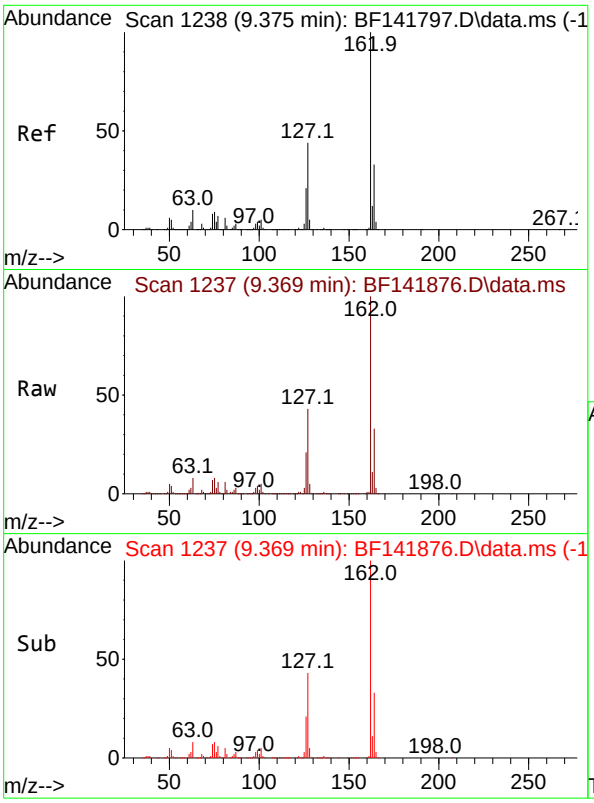


#46
1,1'-Biphenyl
Concen: 49.174 ng
RT: 9.345 min Scan# 1233
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:154 Resp: 1284202

Ion	Ratio	Lower	Upper
154	100		
153	40.7	21.4	61.4
76	11.5	0.0	33.4

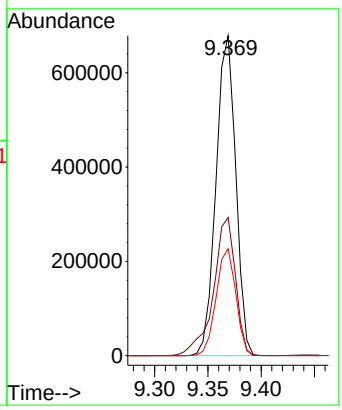




#47
2-Chloronaphthalene
Concen: 45.293 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:162 Resp: 87302

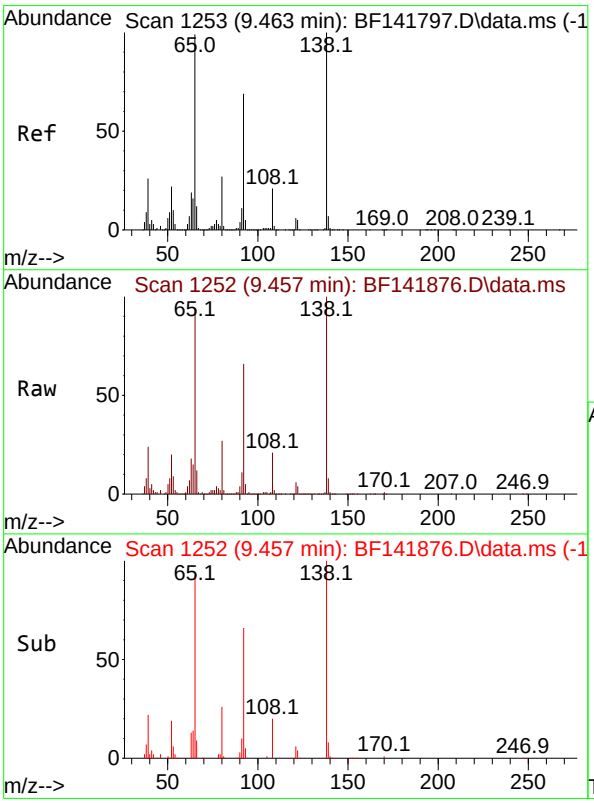
Ion	Ratio	Lower	Upper
162	100		
127	43.2	35.0	52.6
164	33.4	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
APPROVED

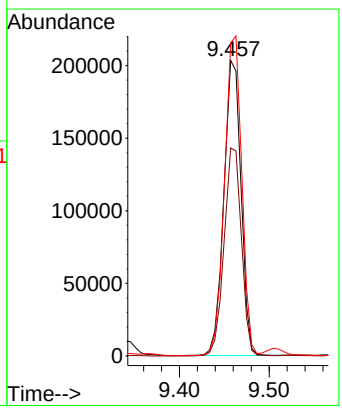
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

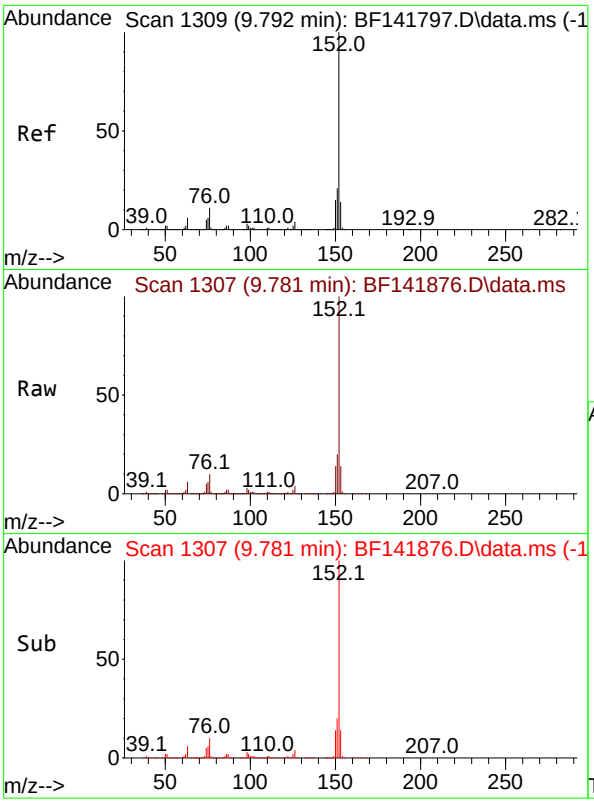


#48
2-Nitroaniline
Concen: 50.959 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion: 65 Resp: 270419

Ion	Ratio	Lower	Upper
65	100		
92	70.4	55.7	83.5
138	105.9	80.6	121.0

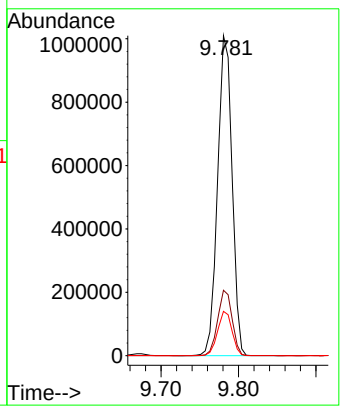




#49
Acenaphthylene
Concen: 45.342 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:152 Resp: 131036

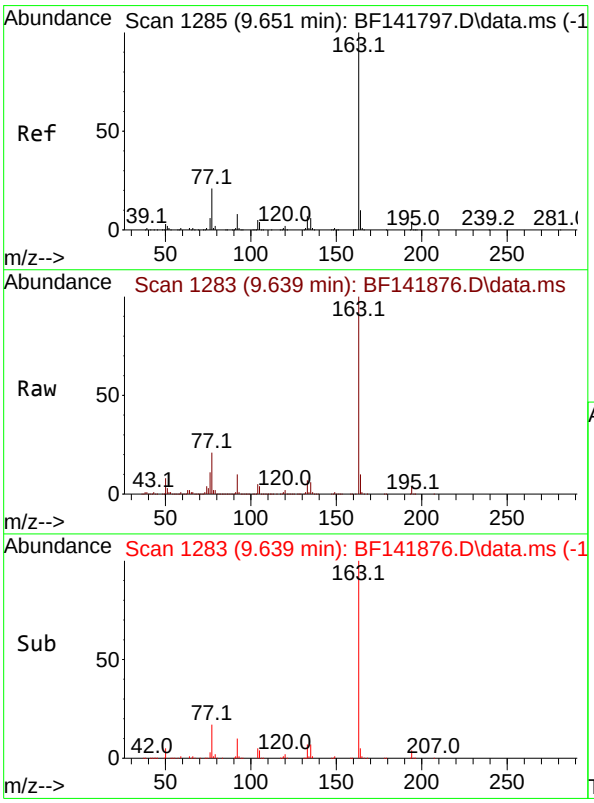
Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.6	24.8
153	13.9	11.2	16.8



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
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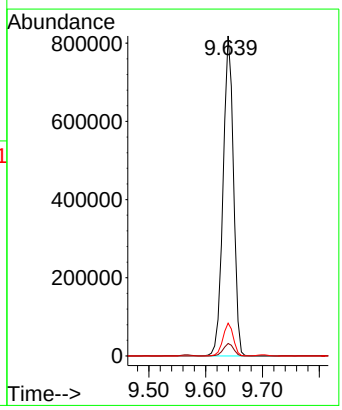
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

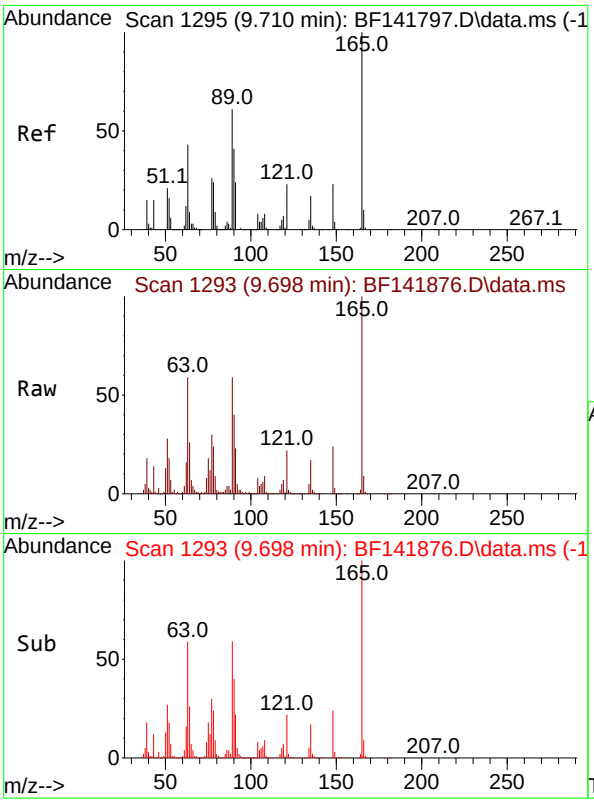


#50
Dimethylphthalate
Concen: 45.601 ng
RT: 9.639 min Scan# 1283
Delta R.T. -0.012 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:163 Resp: 1047770

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.3	8.4	12.6





#51
2,6-Dinitrotoluene
Concen: 49.620 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

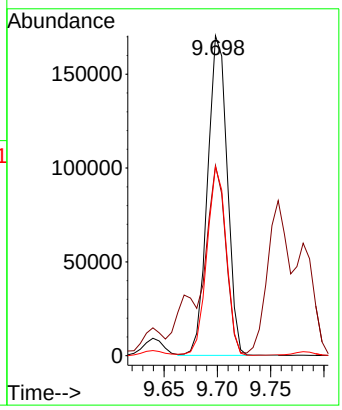
Tgt Ion:165 Resp: 21854

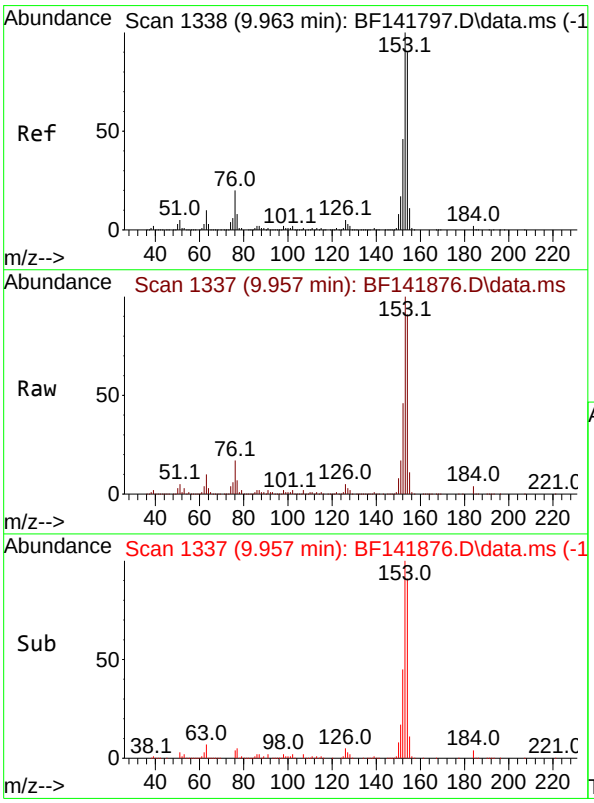
Ion	Ratio	Lower	Upper
165	100		
63	59.5	49.5	74.3
89	59.1	49.0	73.4

Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
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Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

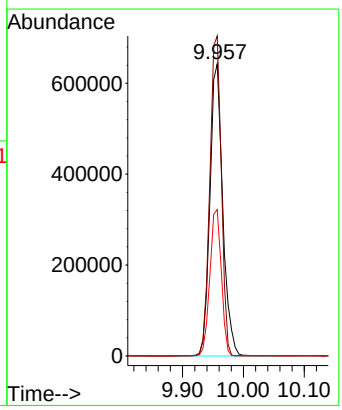


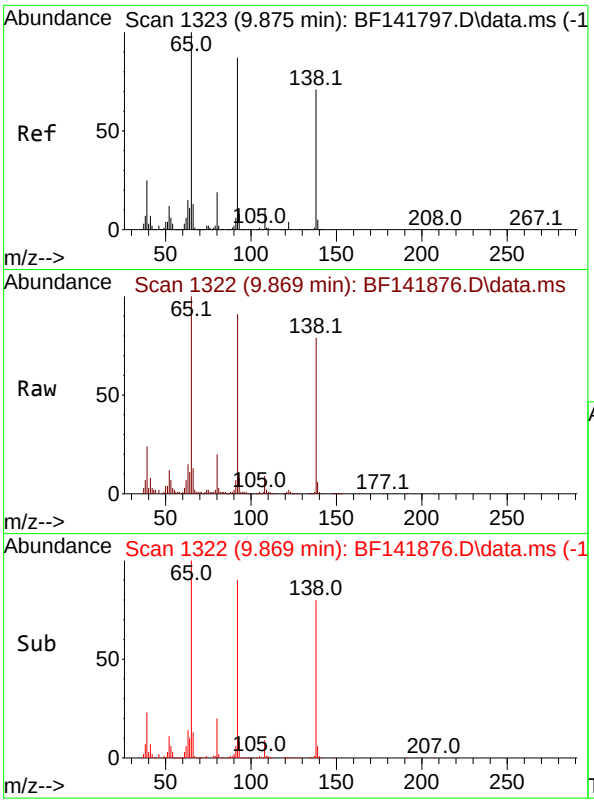


#52
Acenaphthene
Concen: 48.237 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:154 Resp: 940623

Ion	Ratio	Lower	Upper
154	100		
153	109.5	88.7	133.1
152	50.1	40.9	61.3





#53
3-Nitroaniline
Concen: 27.702 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

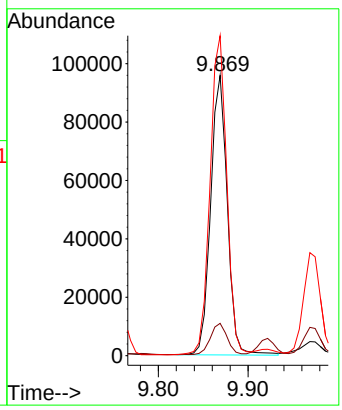
Tgt Ion:138 Resp: 12344

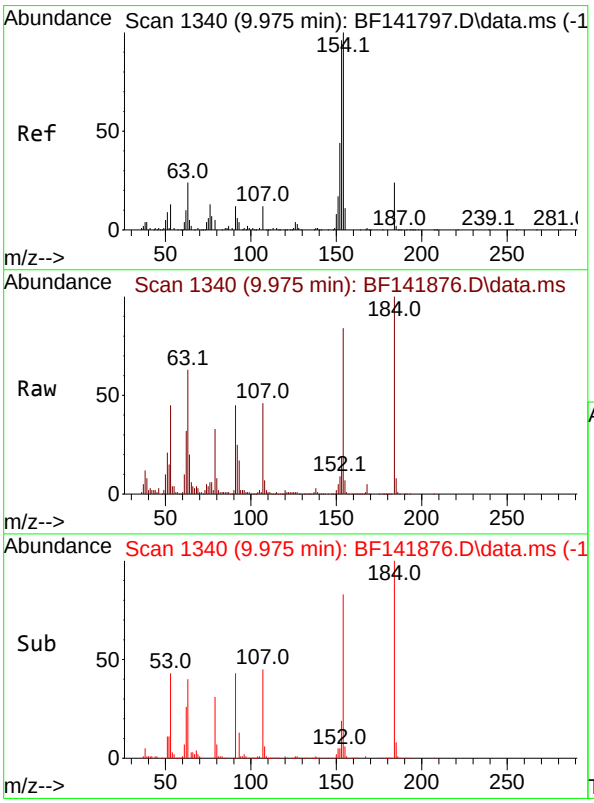
Ion	Ratio	Lower	Upper
138	100		
108	11.6	12.7	19.1#
92	114.2	97.9	146.9

Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
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Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

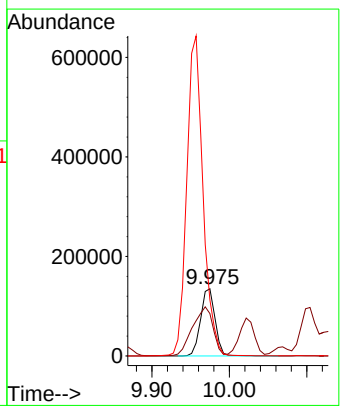


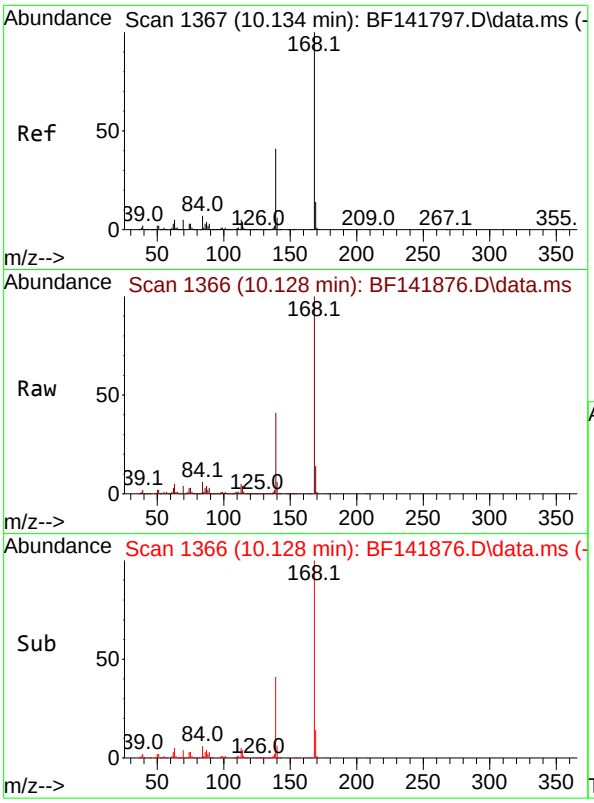


#54
2,4-Dinitrophenol
Concen: 84.922 ng
RT: 9.975 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:184 Resp: 175151

Ion	Ratio	Lower	Upper
184	100		
63	63.1	79.0	118.6#
154	83.6	335.8	503.8#

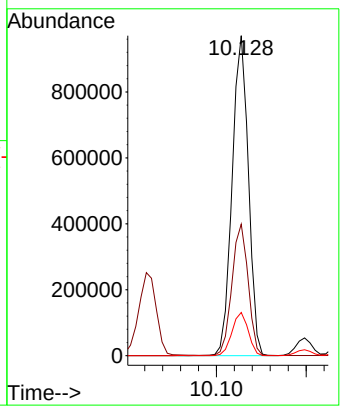




#55
Dibenzofuran
Concen: 42.997 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:168 Resp: 122035

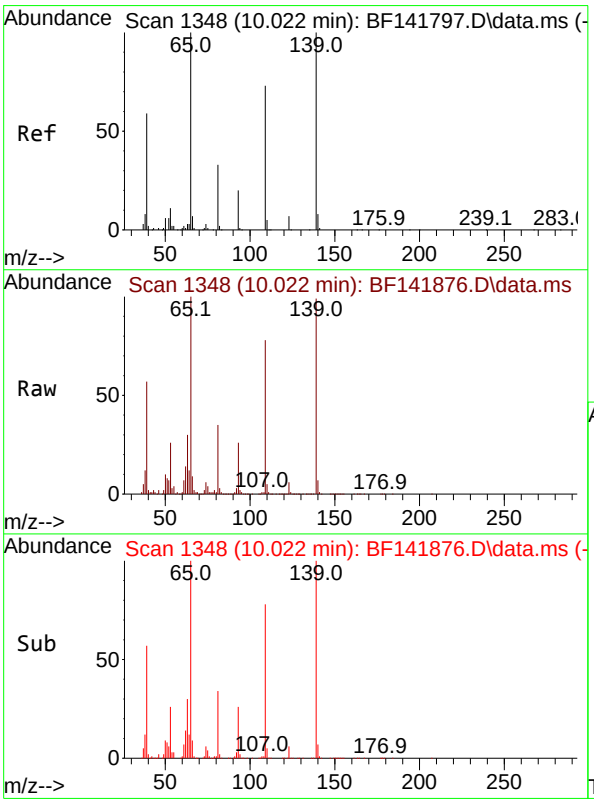
Ion	Ratio	Lower	Upper
168	100		
139	41.1	32.9	49.3
169	13.5	11.1	16.7



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
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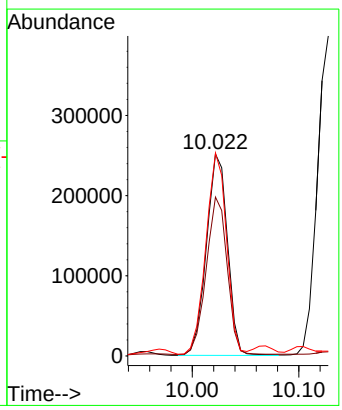
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

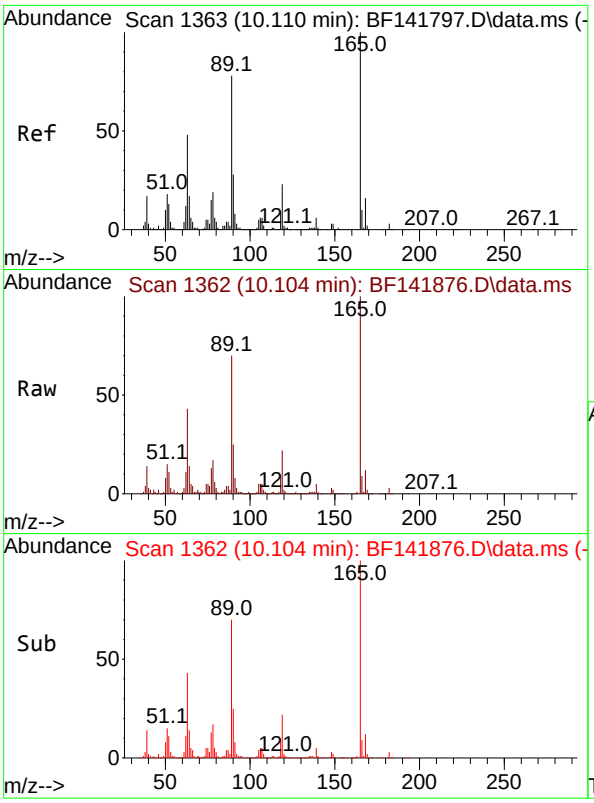


#56
4-Nitrophenol
Concen: 101.763 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:139 Resp: 345342

Ion	Ratio	Lower	Upper
139	100		
109	78.7	53.4	93.4
65	100.6	82.1	122.1

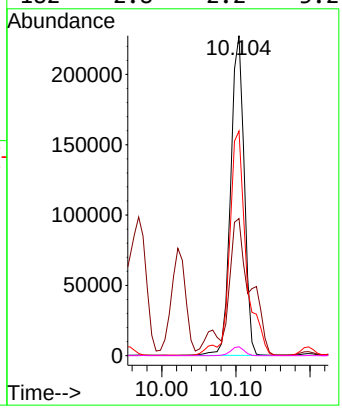




#57
2,4-Dinitrotoluene
Concen: 53.135 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:165 Resp: 28746

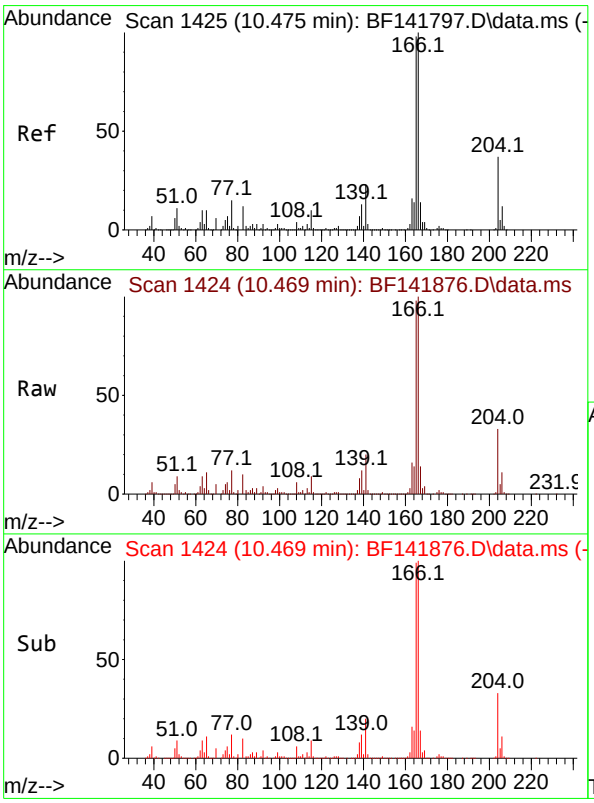
Ion	Ratio	Lower	Upper
165	100		
63	42.9	38.8	58.2
89	70.2	62.6	94.0
182	2.8	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
APPROVED

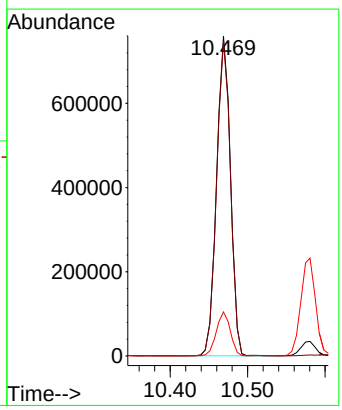
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

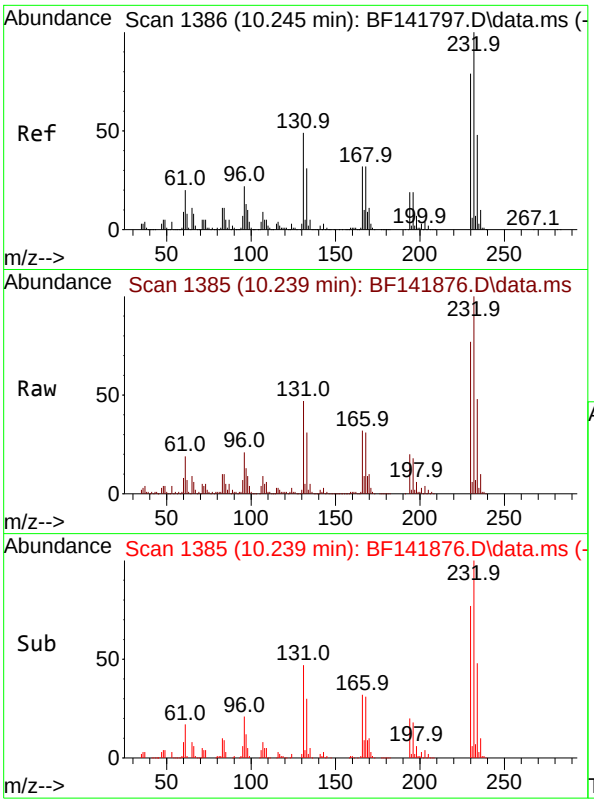


#58
Fluorene
Concen: 44.391 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:166 Resp: 943758

Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.6	117.8
167	13.7	11.0	16.4

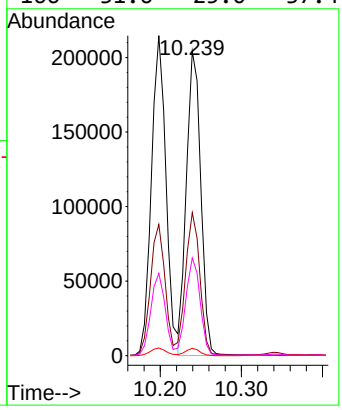




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.810 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:232 Resp: 25253

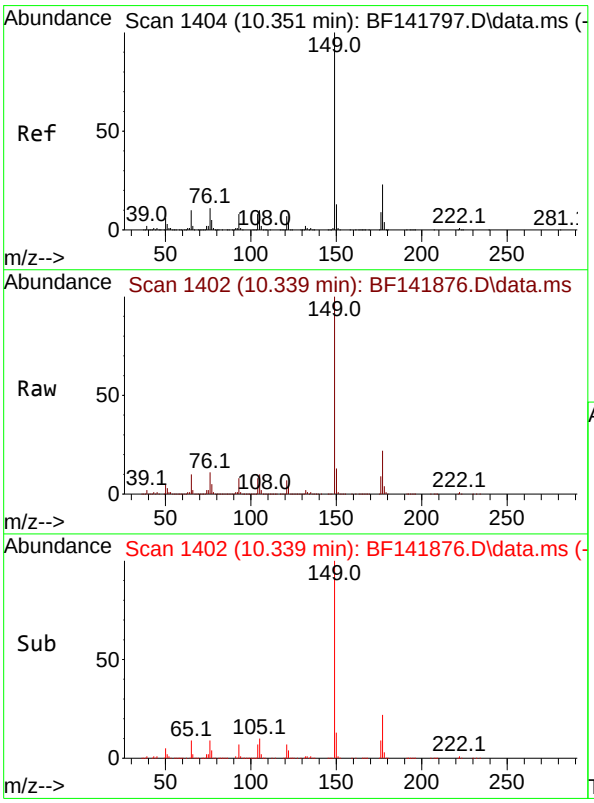
Ion	Ratio	Lower	Upper
232	100		
131	46.6	37.8	56.8
130	2.4	2.0	3.0
166	31.6	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
APPROVED

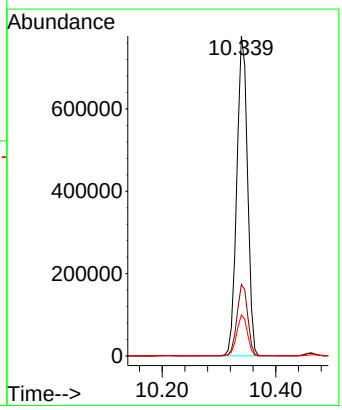
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

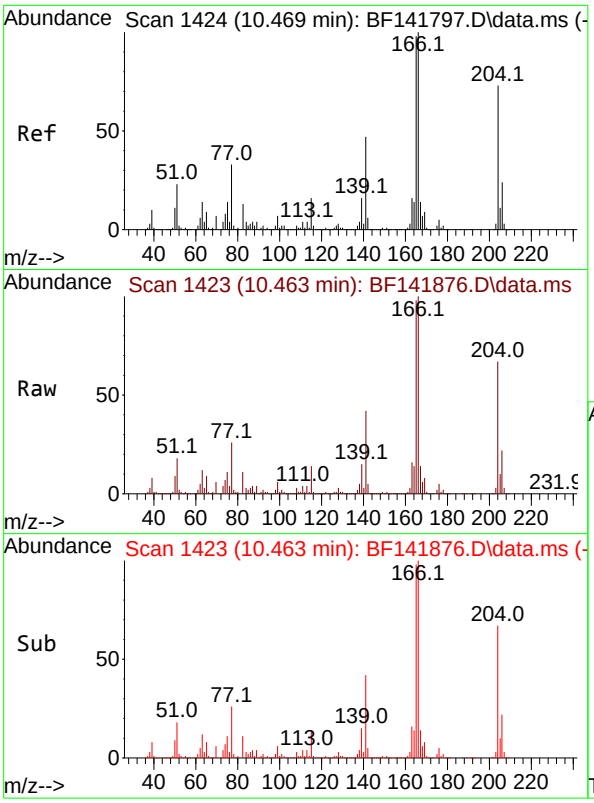


#60
Diethylphthalate
Concen: 43.974 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:149 Resp: 1012899

Ion	Ratio	Lower	Upper
149	100		
177	22.4	18.3	27.5
150	12.8	10.3	15.5





#61
4-Chlorophenyl-phenylether
Concen: 45.010 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

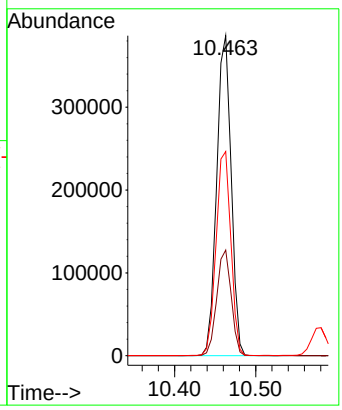
Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

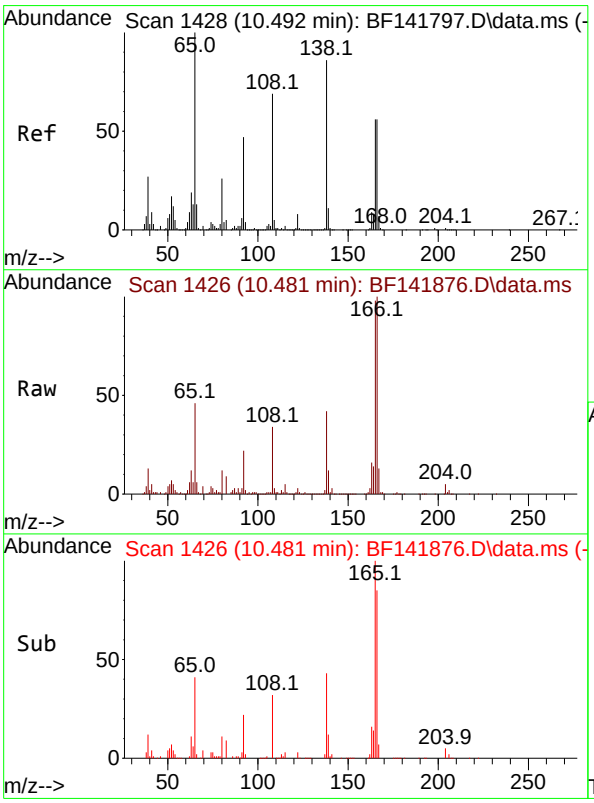
Tgt Ion:204 Resp: 47944

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.2	39.4
141	63.8	51.7	77.5

Manual Integrations
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Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

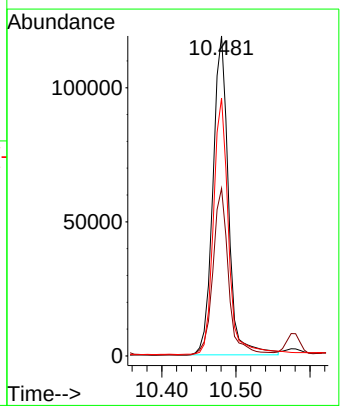


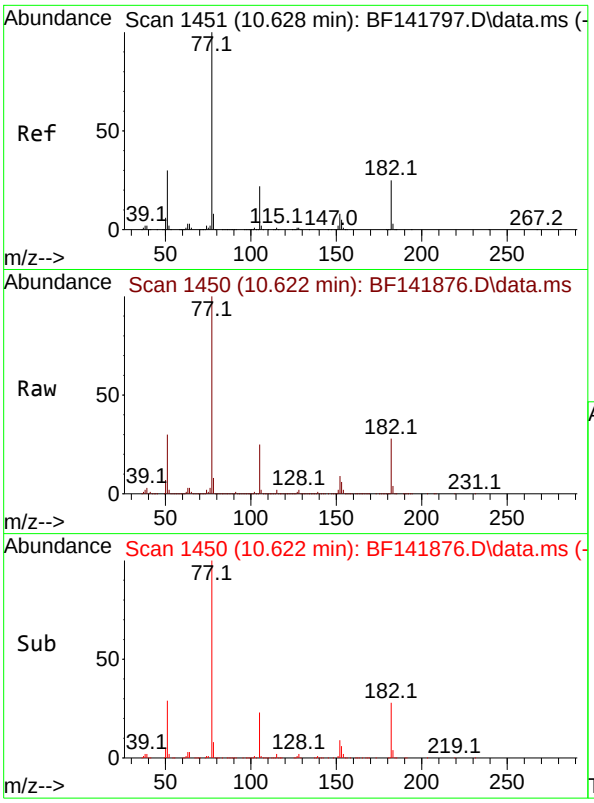


#62
4-Nitroaniline
Concen: 44.221 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:138 Resp: 173517

Ion	Ratio	Lower	Upper
138	100		
92	52.3	34.9	74.9
108	80.6	59.6	99.6

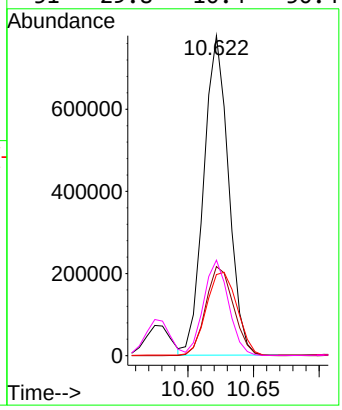




#63
Azobenzene
Concen: 42.098 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion: 77 Resp: 102100

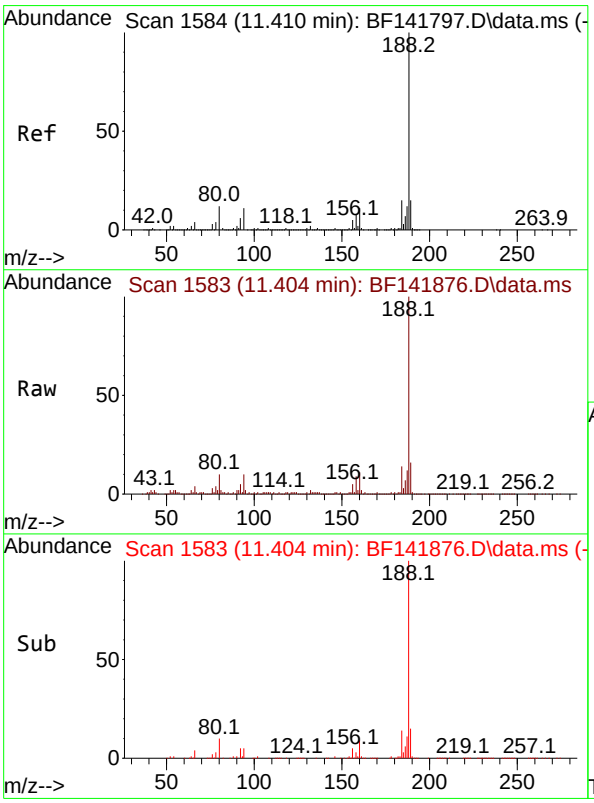
Ion	Ratio	Lower	Upper
77	100		
182	27.9	4.2	44.2
105	25.3	1.5	41.5
51	29.8	10.4	50.4



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
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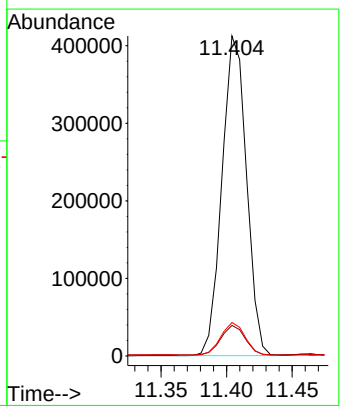
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

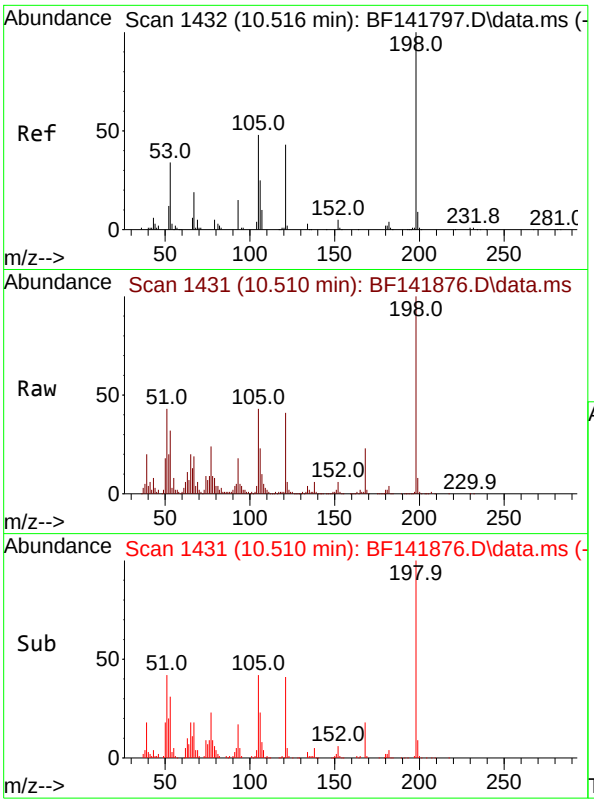


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:188 Resp: 535087

Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.9	13.3
80	10.5	9.7	14.5

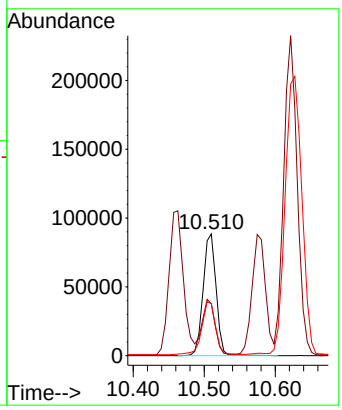




#65
4,6-Dinitro-2-methylphenol
Concen: 45.291 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:198 Resp: 11273(

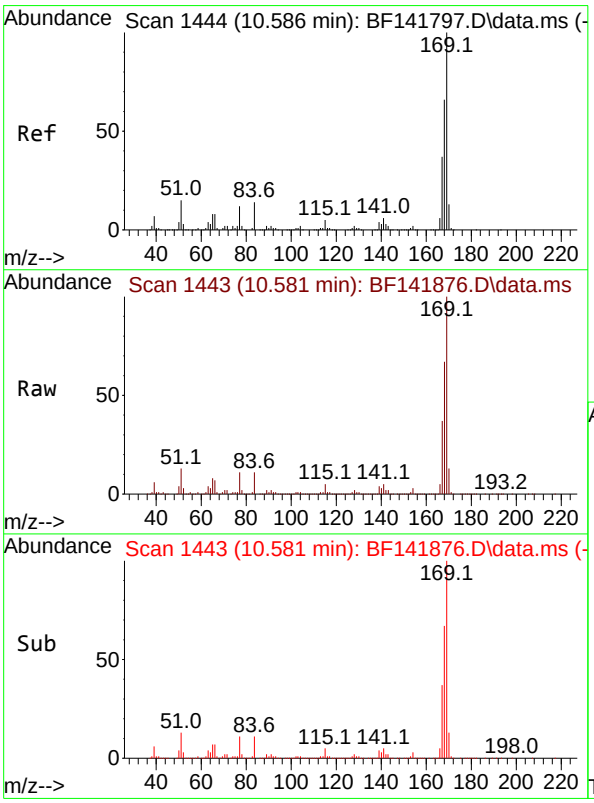
Ion	Ratio	Lower	Upper
198	100		
51	42.6	32.1	72.1
105	42.7	28.5	68.5



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
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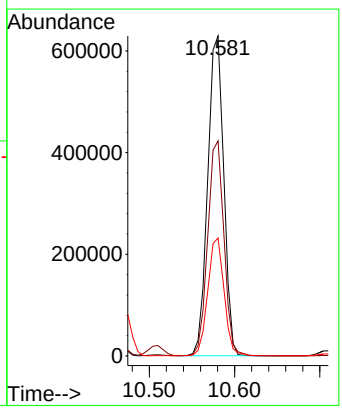
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

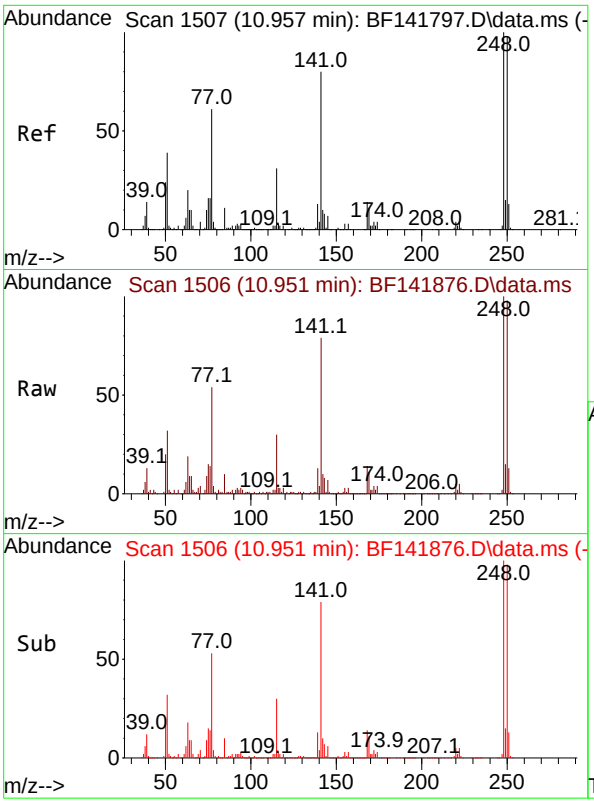


#66
n-Nitrosodiphenylamine
Concen: 46.813 ng
RT: 10.581 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:169 Resp: 822515

Ion	Ratio	Lower	Upper
169	100		
168	67.2	53.0	79.6
167	36.9	29.3	43.9





#67
4-Bromophenyl-phenylether
Concen: 47.122 ng
RT: 10.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

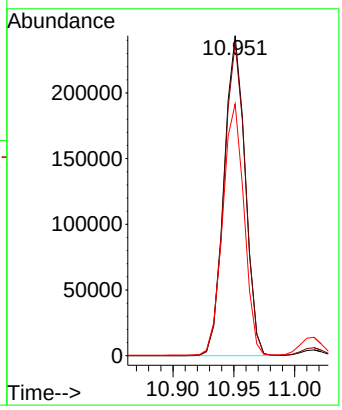
Tgt Ion:248 Resp: 29451

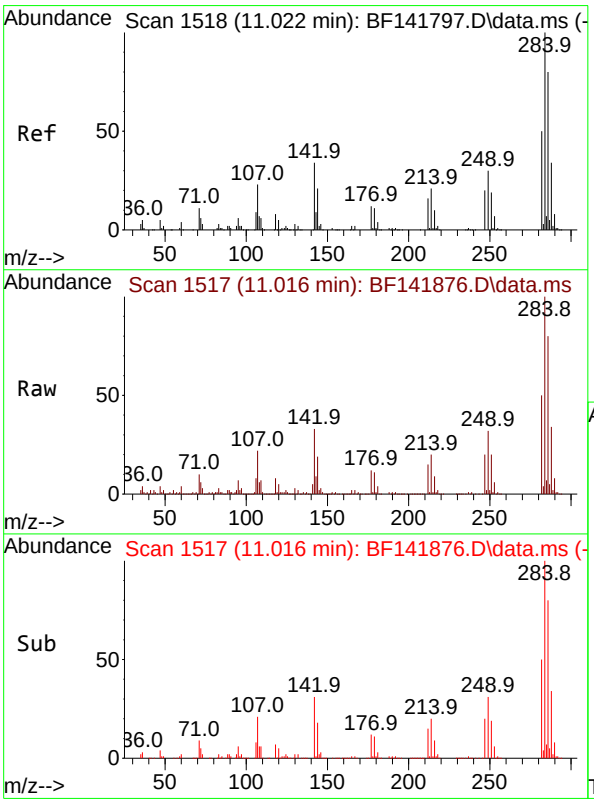
Ion	Ratio	Lower	Upper
248	100		
250	97.8	78.1	117.1
141	78.7	64.3	96.5

Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

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Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

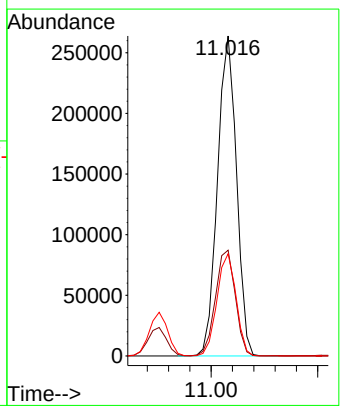


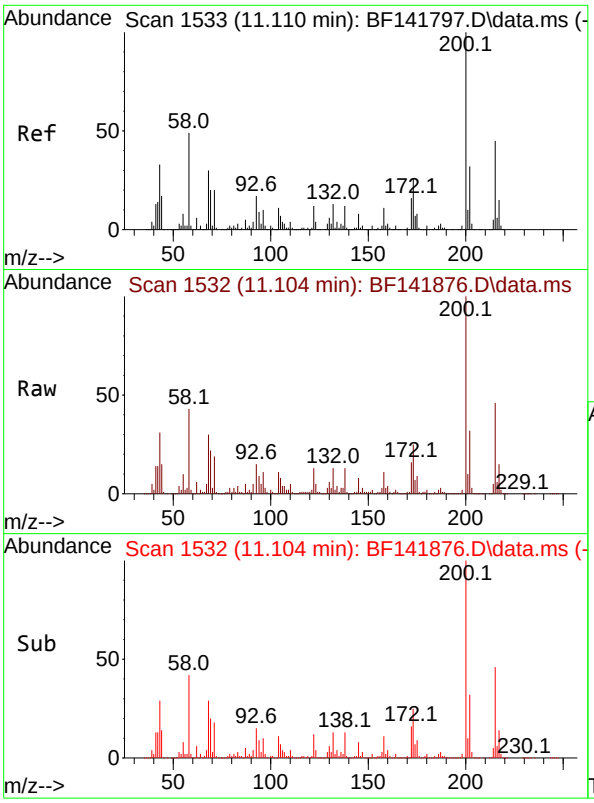


#68
Hexachlorobenzene
Concen: 49.348 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:284 Resp: 325688

Ion	Ratio	Lower	Upper
284	100		
142	33.0	28.2	42.2
249	32.0	25.5	38.3

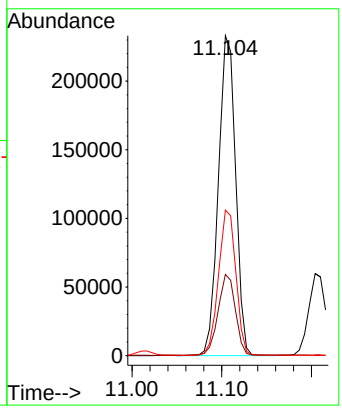




#69
Atrazine
Concen: 64.353 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:200 Resp: 310940

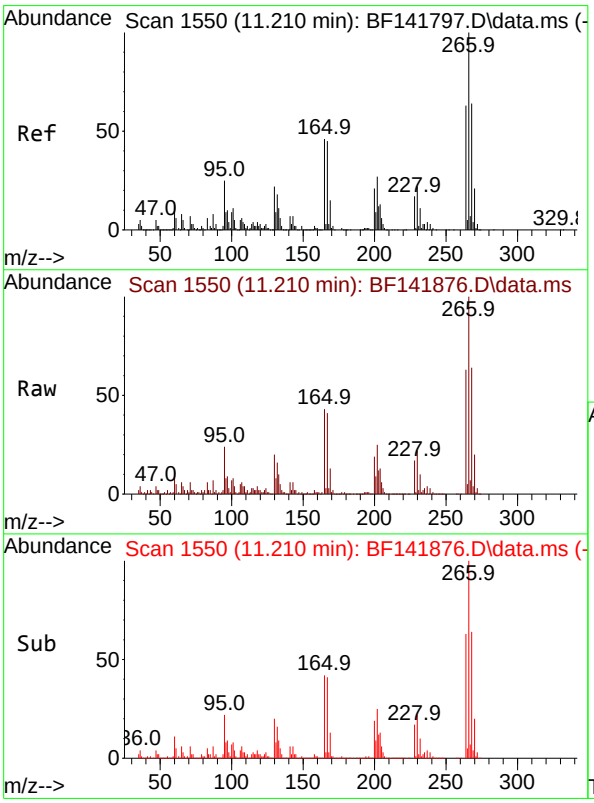
Ion	Ratio	Lower	Upper
200	100		
173	25.4	5.6	45.6
215	45.5	25.3	65.3



Instrument :
BNA_F
ClientSampleId :
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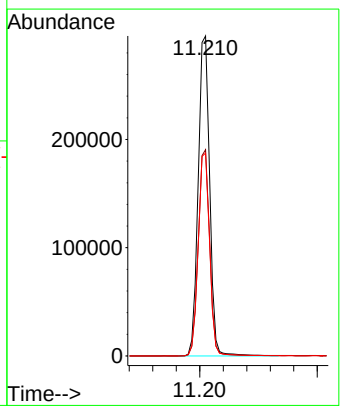
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

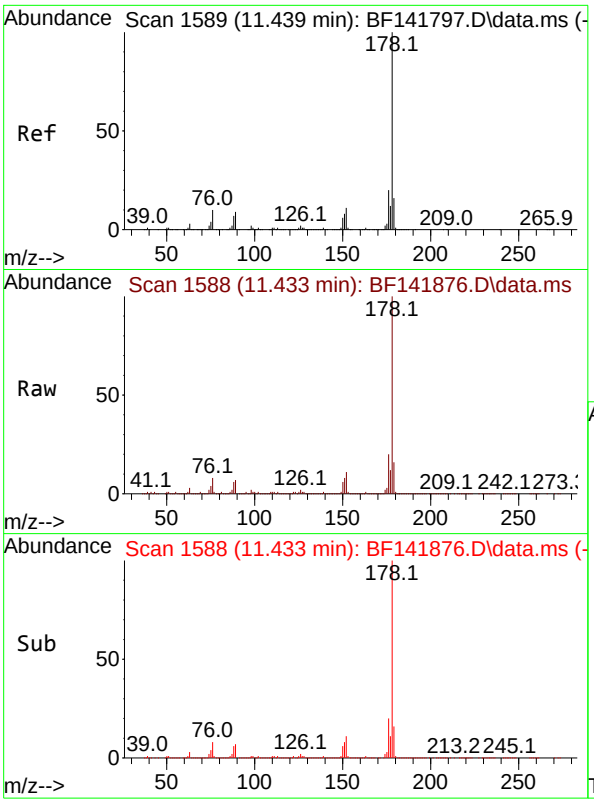


#70
Pentachlorophenol
Concen: 95.539 ng
RT: 11.210 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:266 Resp: 399912

Ion	Ratio	Lower	Upper
266	100		
268	64.5	50.9	76.3
264	63.4	50.2	75.4

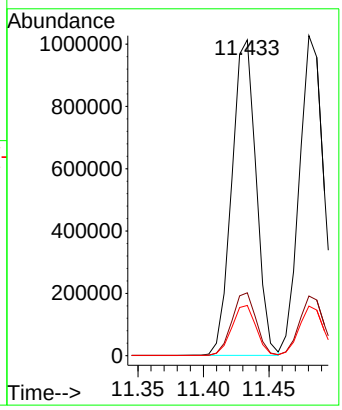




#71
Phenanthrene
Concen: 45.681 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:178 Resp: 130748

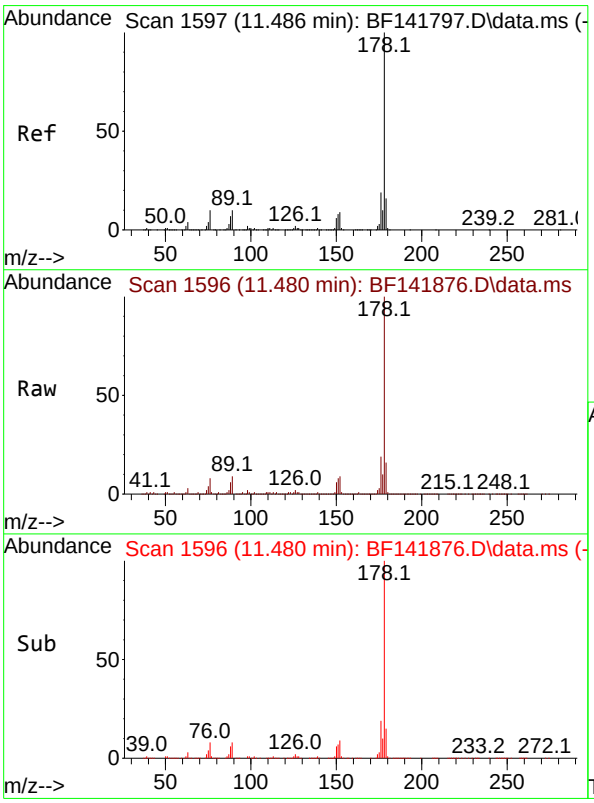
Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.0	24.0
179	15.9	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
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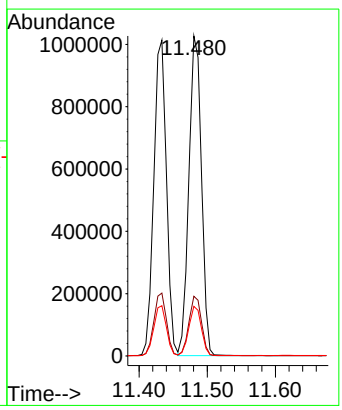
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

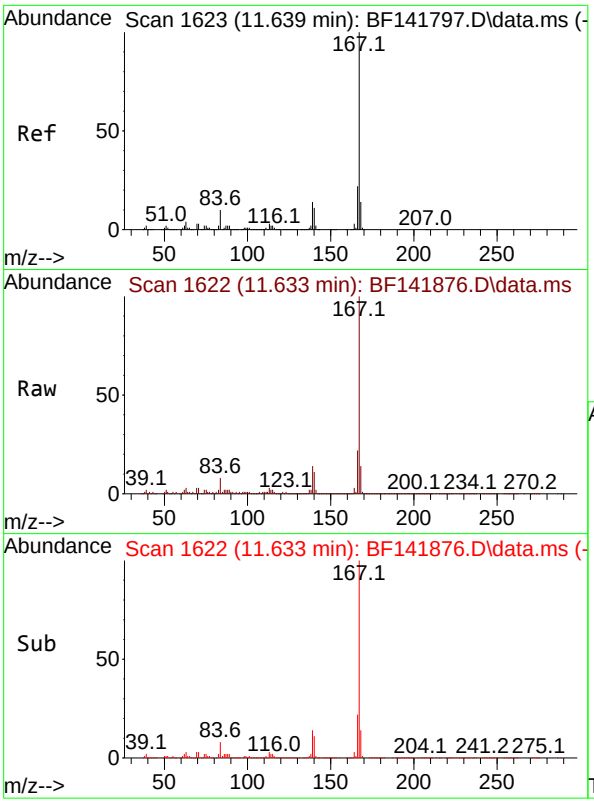


#72
Anthracene
Concen: 45.543 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:178 Resp: 1306433

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.0
179	15.5	12.8	19.2

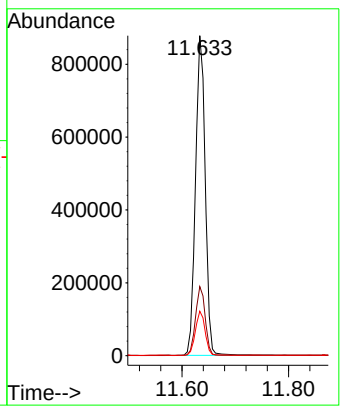




#73
Carbazole
Concen: 44.042 ng
RT: 11.633 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:167 Resp: 111563

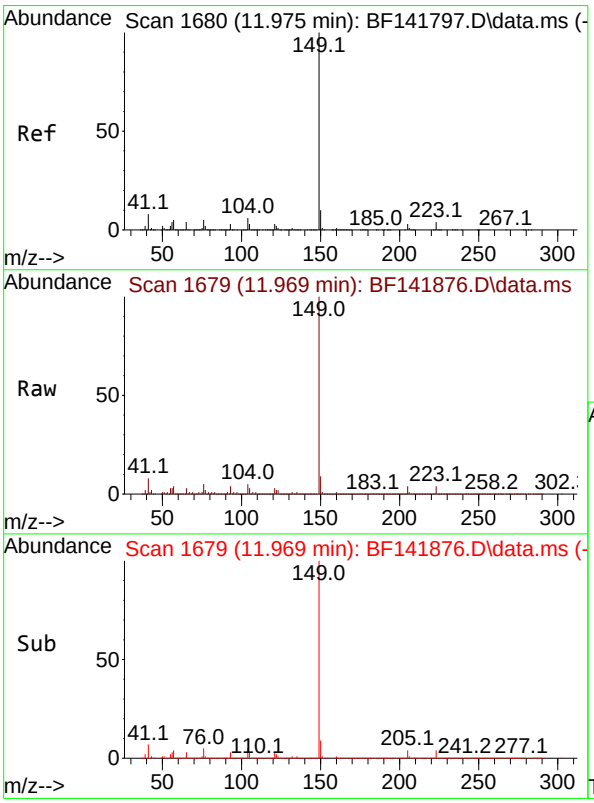
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.5	26.3
139	13.9	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
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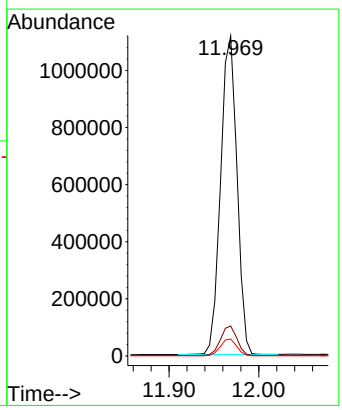
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

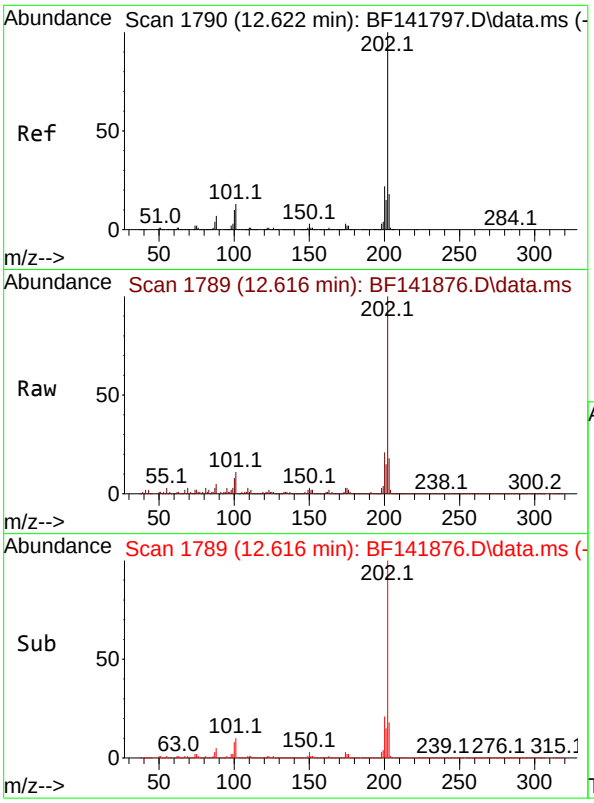


#74
Di-n-butylphthalate
Concen: 44.044 ng
RT: 11.969 min Scan# 1679
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:149 Resp: 1414226

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.7	11.5
104	5.3	4.4	6.6

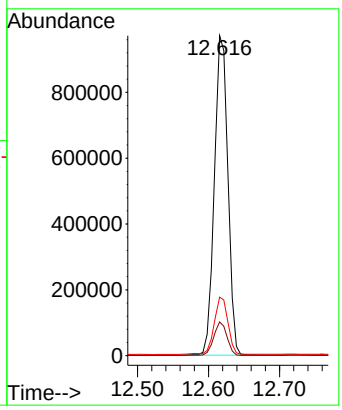




#75
Fluoranthene
Concen: 43.534 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:202 Resp: 127676

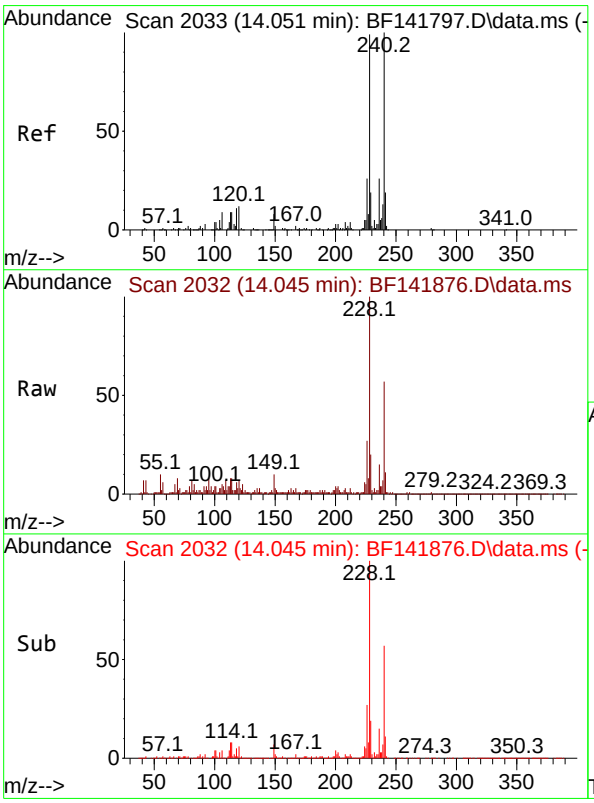
Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	32.8
203	18.3	0.0	38.0



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
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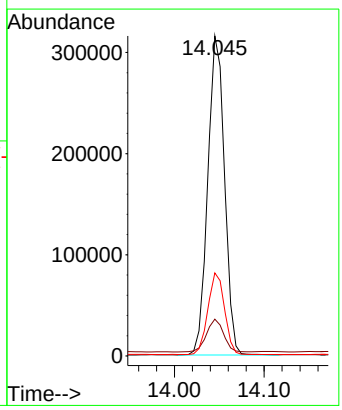
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

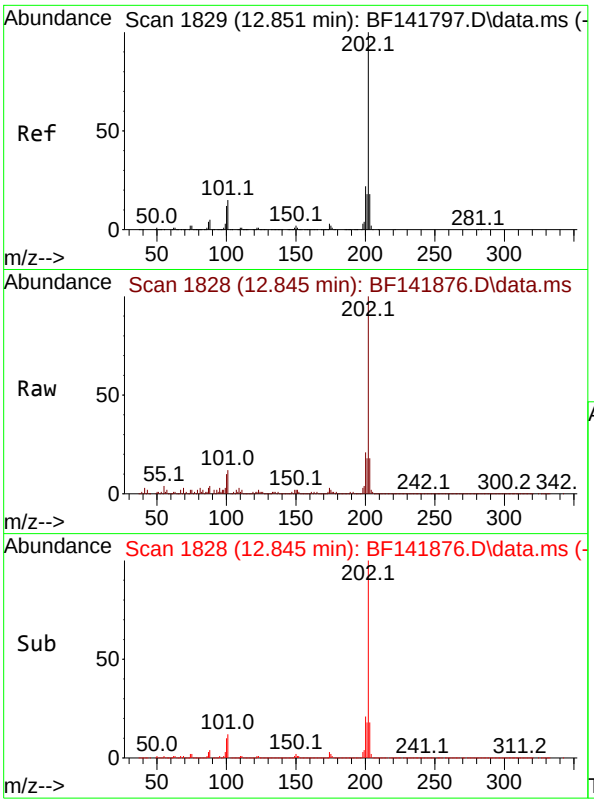


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:240 Resp: 408916

Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.7	14.5
236	25.9	21.0	31.4

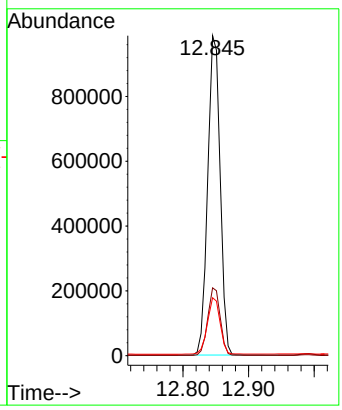




#78
Pyrene
Concen: 36.776 ng
RT: 12.845 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:202 Resp: 130222

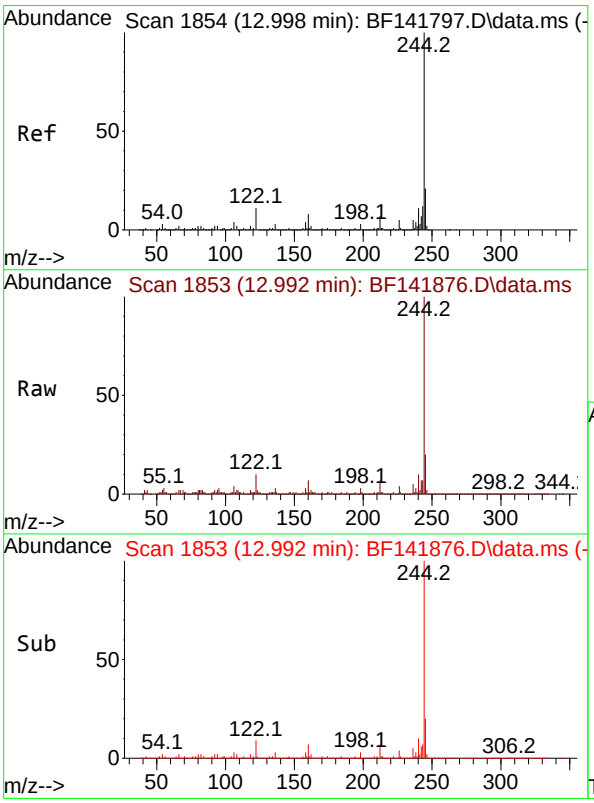
Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.0
203	18.1	14.6	22.0



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
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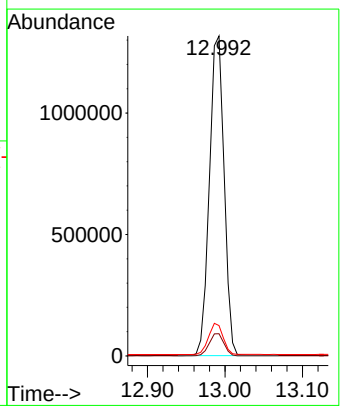
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

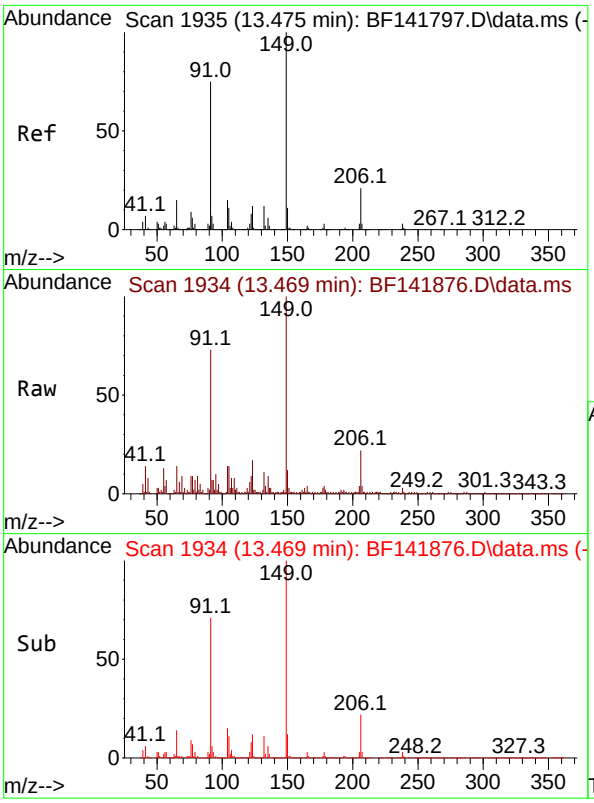


#79
Terphenyl-d14
Concen: 68.774 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:244 Resp: 1738196

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	9.5	9.0	13.6

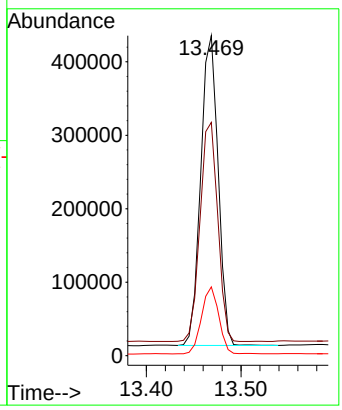




#80
Butylbenzylphthalate
Concen: 41.711 ng
RT: 13.469 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:149 Resp: 53661

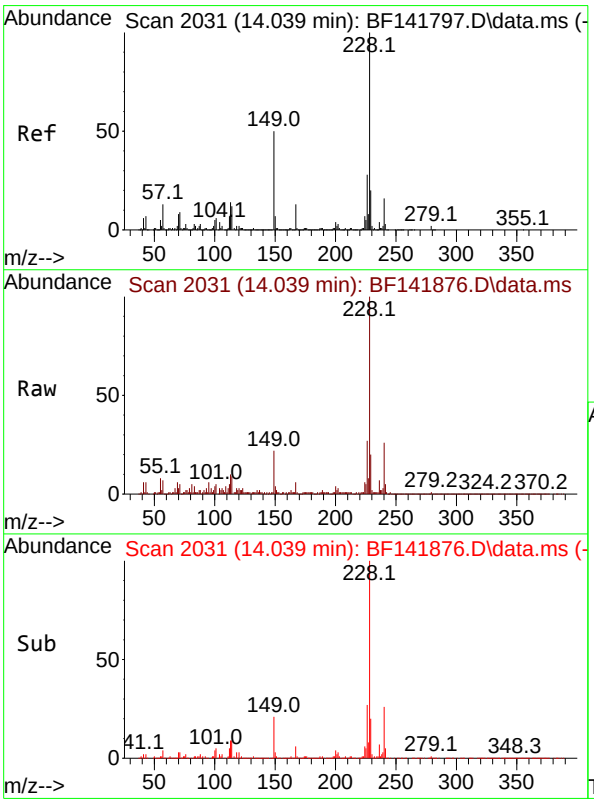
Ion	Ratio	Lower	Upper
149	100		
91	72.9	60.1	90.1
206	21.5	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
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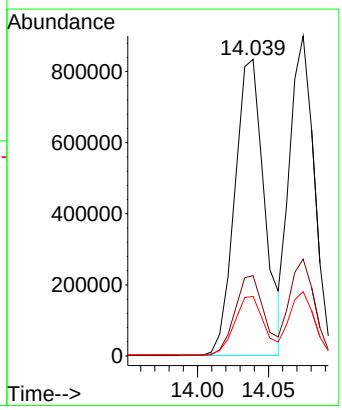
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

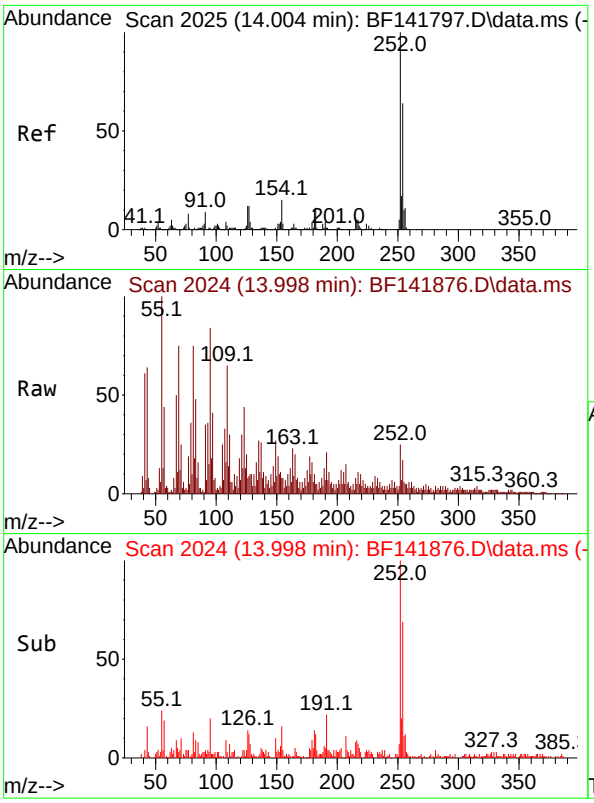


#81
Benzo(a)anthracene
Concen: 44.781 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:228 Resp: 1209514

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.1	33.1
229	20.0	16.1	24.1

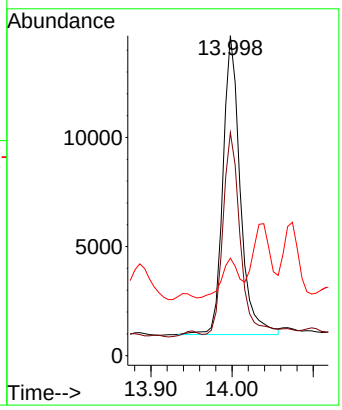




#82
3,3'-Dichlorobenzidine
Concen: 2.621 ng
RT: 13.998 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:252 Resp: 2030

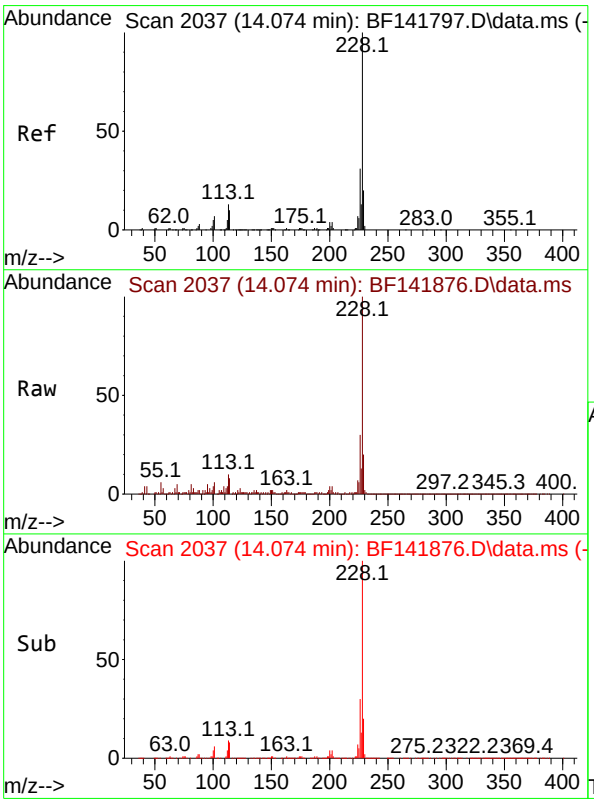
Ion	Ratio	Lower	Upper
252	100		
254	69.7	51.4	77.0
126	30.4	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
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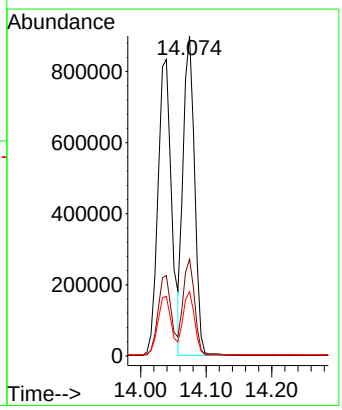
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

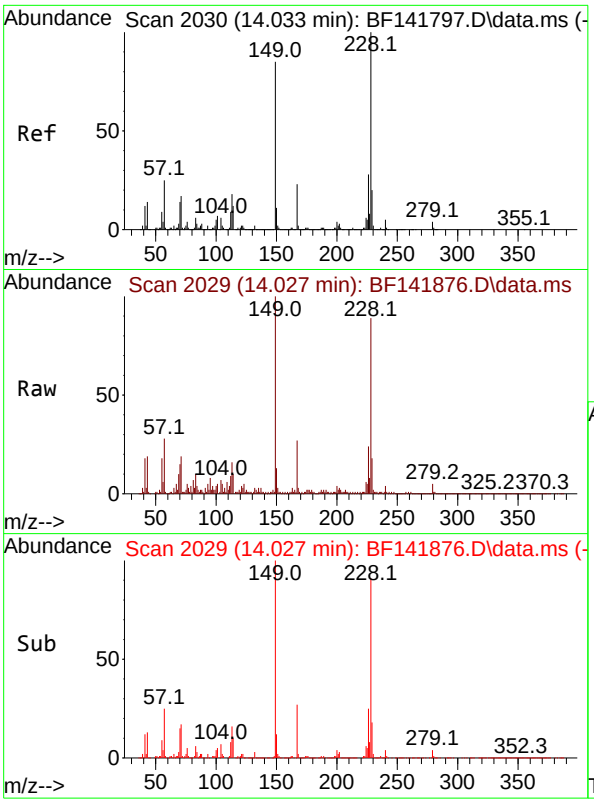


#83
Chrysene
Concen: 43.577 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.000 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:228 Resp: 1084992

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.6	37.0
229	20.1	16.1	24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 45.274 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

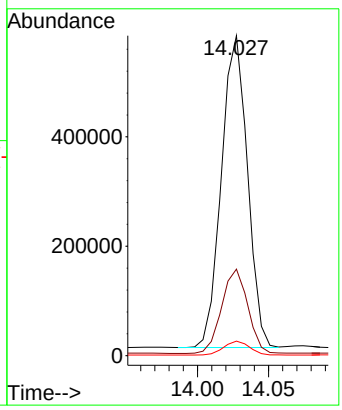
Tgt Ion:149 Resp: 72524

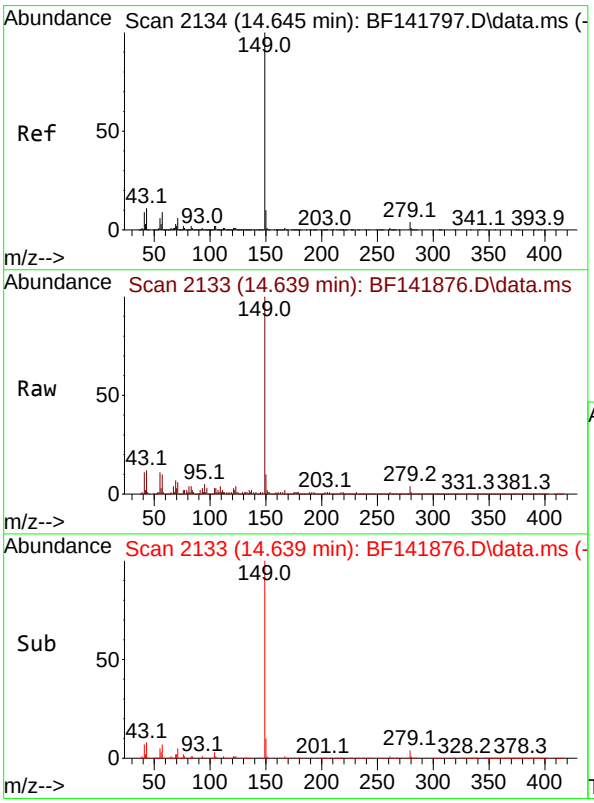
Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.2	31.8
279	4.5	3.3	4.9

Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

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Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

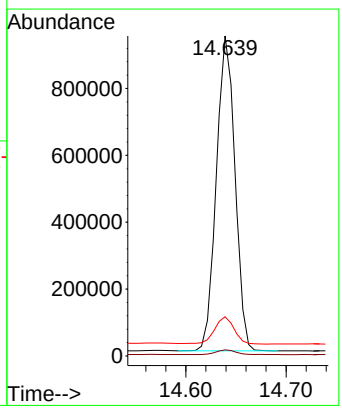


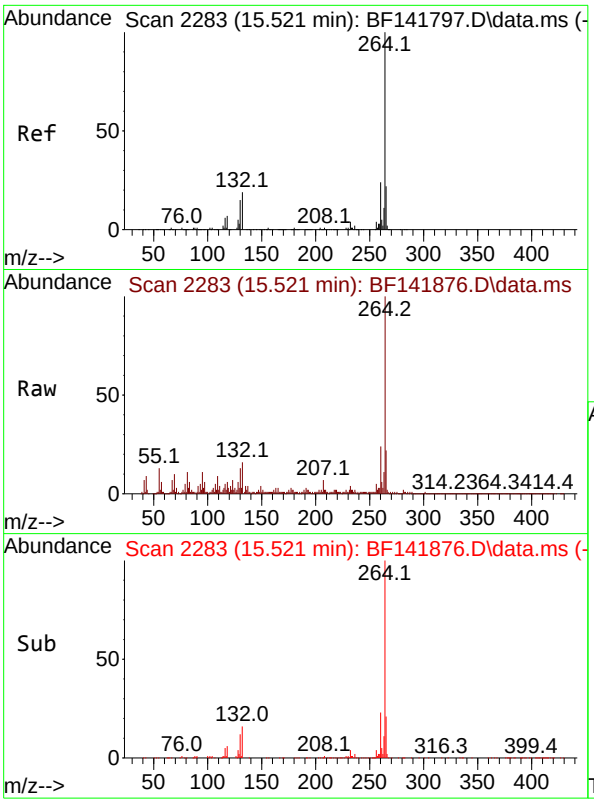


#85
Di-n-octyl phthalate
Concen: 50.737 ng
RT: 14.639 min Scan# 2133
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:149 Resp: 1216781

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	9.0	8.6	12.8

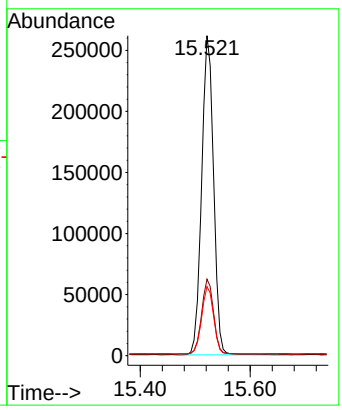




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:264 Resp: 39287

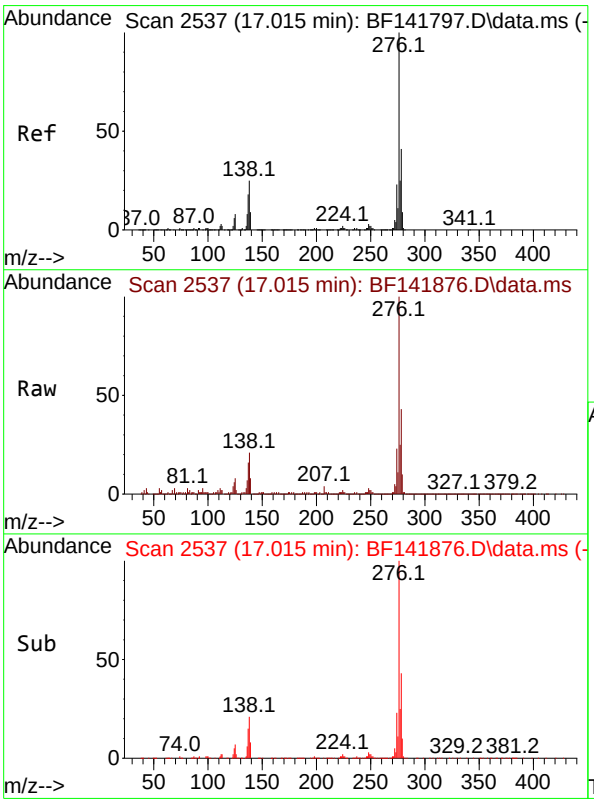
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.9	28.3
265	21.6	17.4	26.0



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
APPROVED

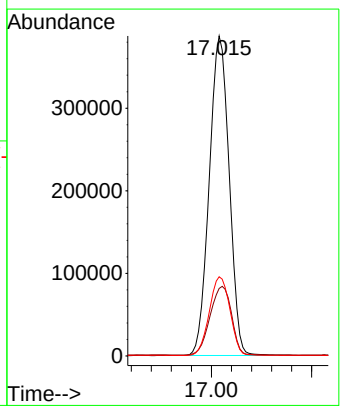
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

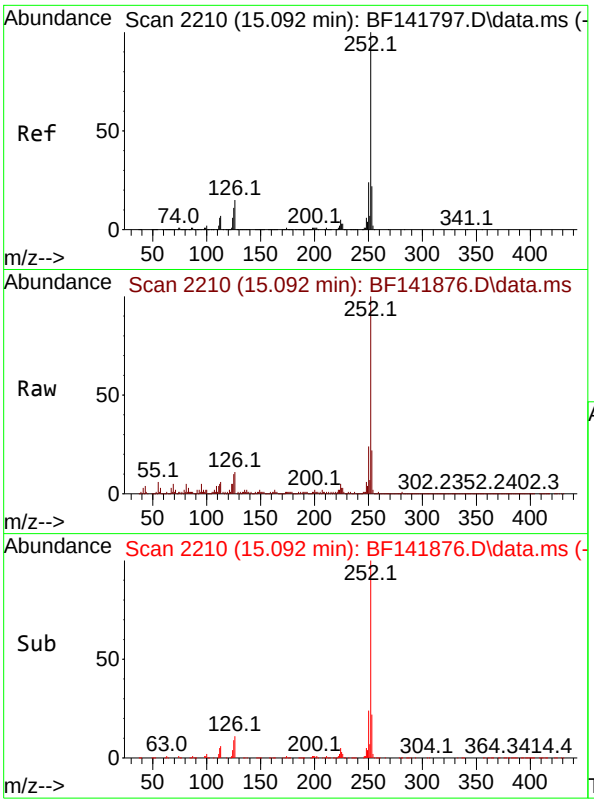


#87
Indeno(1,2,3-cd)pyrene
Concen: 42.632 ng
RT: 17.015 min Scan# 2537
Delta R.T. -0.000 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:276 Resp: 1066521

Ion	Ratio	Lower	Upper
276	100		
138	23.3	22.5	33.7
277	25.5	20.3	30.5

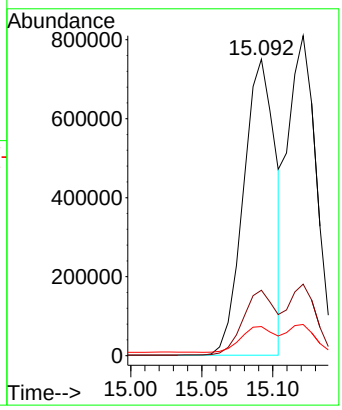




#88
Benzo(b)fluoranthene
Concen: 43.672 ng
RT: 15.092 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:252 Resp: 116870

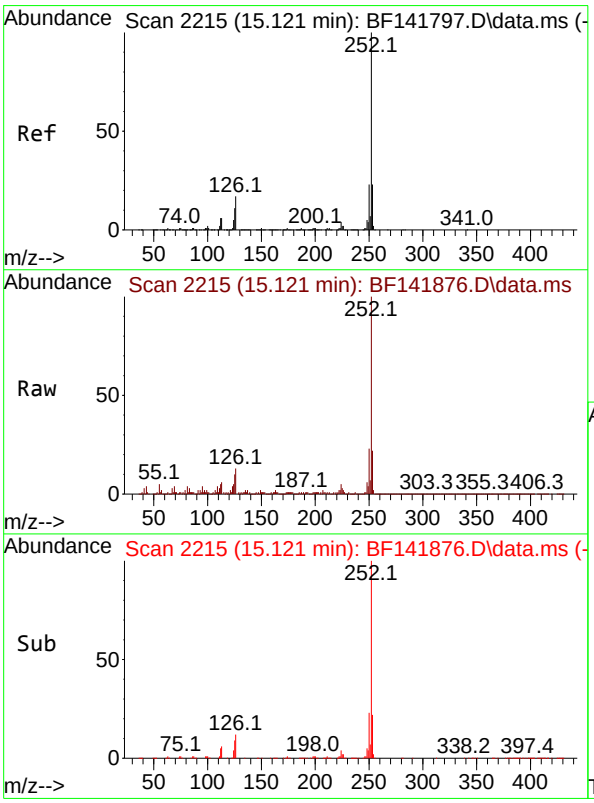
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.8	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
APPROVED

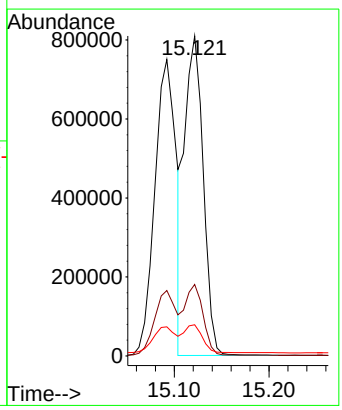
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

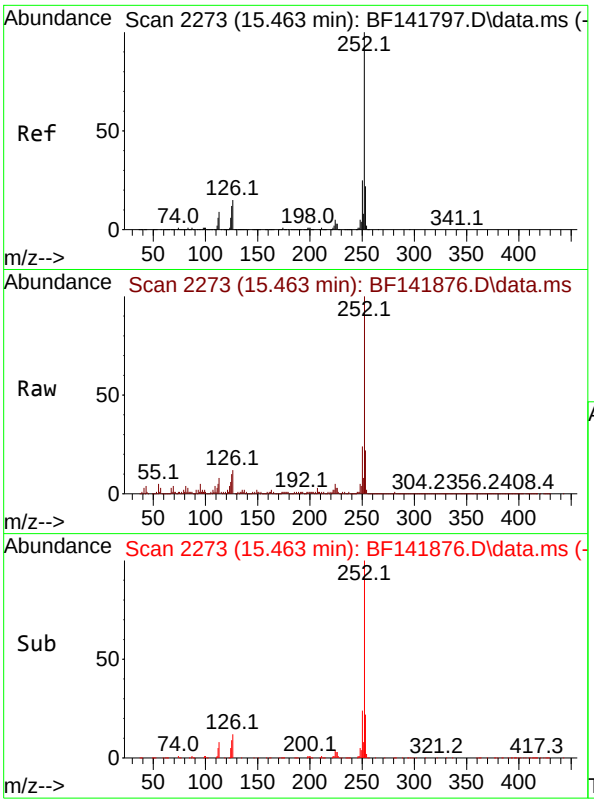


#89
Benzo(k)fluoranthene
Concen: 48.587 ng
RT: 15.121 min Scan# 2215
Delta R.T. -0.000 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:252 Resp: 1105159

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	9.7	8.8	13.2

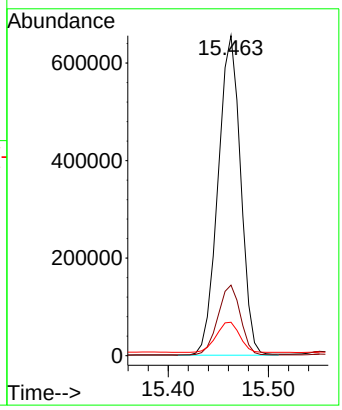




#90
Benzo(a)pyrene
Concen: 47.673 ng
RT: 15.463 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:252 Resp: 102315

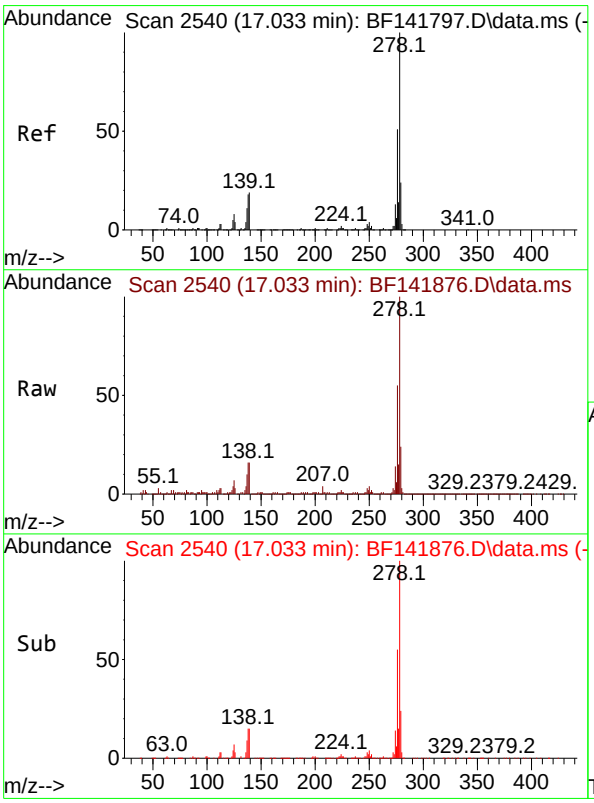
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.5	9.4	14.2



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
APPROVED

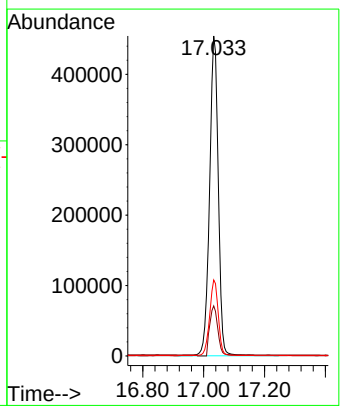
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

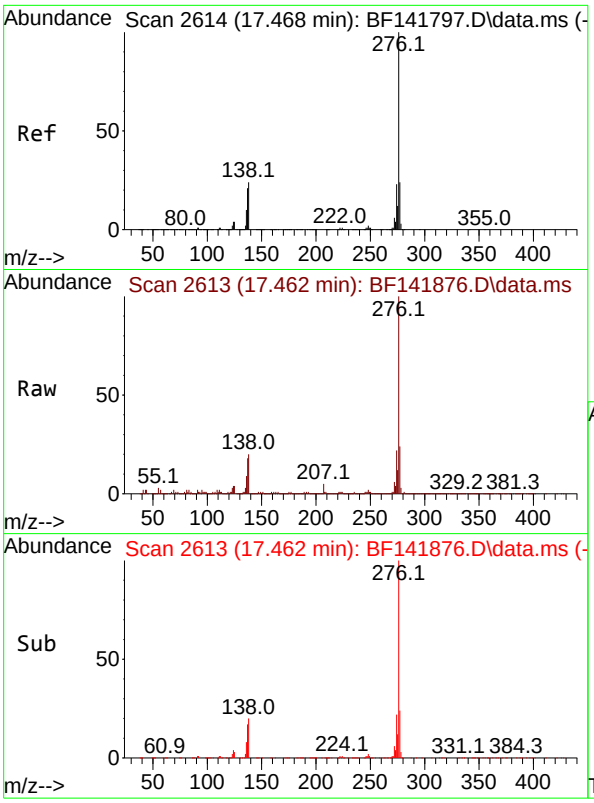


#91
Dibenzo(a,h)anthracene
Concen: 44.164 ng
RT: 17.033 min Scan# 2540
Delta R.T. -0.000 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:278 Resp: 901828

Ion	Ratio	Lower	Upper
278	100		
139	15.6	14.9	22.3
279	23.7	19.3	28.9

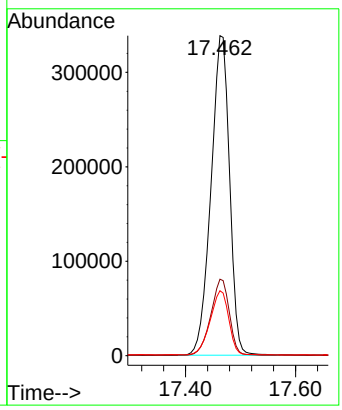




#92
Benzo(g,h,i)perylene
Concen: 37.849 ng
RT: 17.462 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141876.D
Acq: 06 Mar 2025 18:58

Tgt Ion:276 Resp: 79178

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.4	29.0
138	20.3	19.3	28.9



Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

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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

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Manual Integration Report

Sequence:	bf030625	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1492-01MS	BF141875.D	Caprolactam	anahy	3/7/2025 9:04:27 AM	Jagrut	3/7/2025 9:43:00 AM	Peak Integrated by Software
Q1492-01MSD	BF141876.D	Caprolactam	anahy	3/7/2025 9:05:13 AM	Jagrut	3/7/2025 9:43:02 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF031025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC080	BF141904.D	Caprolactam	anahy	3/11/2025 9:10:54 AM	Jagrut	3/11/2025 10:18:21 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF031125	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB167012BS	BF141912.D	Caprolactam	anahy	3/12/2025 10:18:48 AM	Jagrut	3/12/2025 11:14:13 AM	Peak Integrated by Software

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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

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF030625

Review By	anahy	Review On	3/7/2025 9:16:56 AM				
Supervise By	Jagrut	Supervise On	3/7/2025 9:43:33 AM				
SubDirectory	BF030625	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	BF141857.D	06 Mar 2025 08:34	RC/JU	Ok
2	SSTDCCC040	BF141858.D	06 Mar 2025 09:52	RC/JU	Ok
3	PB166984BL	BF141859.D	06 Mar 2025 10:22	RC/JU	Ok
4	PB166984BS	BF141860.D	06 Mar 2025 10:52	RC/JU	Ok,M
5	PB166982BL	BF141861.D	06 Mar 2025 11:21	RC/JU	Ok
6	PB166982BS	BF141862.D	06 Mar 2025 11:51	RC/JU	Ok,M
7	PB166982BSD	BF141863.D	06 Mar 2025 12:21	RC/JU	Ok,M
8	Q1488-07	BF141864.D	06 Mar 2025 13:01	RC/JU	Ok
9	Q1488-01	BF141865.D	06 Mar 2025 13:31	RC/JU	Ok
10	Q1489-05	BF141866.D	06 Mar 2025 14:01	RC/JU	Ok,M
11	Q1478-01	BF141867.D	06 Mar 2025 14:31	RC/JU	Ok
12	Q1478-07	BF141868.D	06 Mar 2025 15:01	RC/JU	Ok
13	Q1478-05	BF141869.D	06 Mar 2025 15:30	RC/JU	Ok
14	Q1488-14	BF141870.D	06 Mar 2025 16:00	RC/JU	Ok
15	Q1488-13	BF141871.D	06 Mar 2025 16:29	RC/JU	Ok
16	Q1478-03	BF141872.D	06 Mar 2025 16:59	RC/JU	Ok
17	Q1484-06	BF141873.D	06 Mar 2025 17:29	RC/JU	Ok
18	Q1492-01	BF141874.D	06 Mar 2025 17:59	RC/JU	Ok
19	Q1492-01MS	BF141875.D	06 Mar 2025 18:29	RC/JU	Ok,M
20	Q1492-01MSD	BF141876.D	06 Mar 2025 18:58	RC/JU	Ok,M
21	Q1494-05	BF141877.D	06 Mar 2025 19:28	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF030625

Review By	anahy	Review On	3/7/2025 9:16:56 AM		
Supervise By	Jagrut	Supervise On	3/7/2025 9:43:33 AM		
SubDirectory	BF030625	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	

22	Q1494-07	BF141878.D	06 Mar 2025 19:58	RC/JU	Ok
23	Q1490-01	BF141879.D	06 Mar 2025 20:27	RC/JU	Ok,M
24	Q1484-01DL	BF141880.D	06 Mar 2025 20:57	RC/JU	Not Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF031025

Review By	anahy	Review On	3/11/2025 9:11:47 AM				
Supervise By	Jagrut	Supervise On	3/11/2025 10:18:40 AM				
SubDirectory	BF031025	HP Acquire Method	BNA_F		HP Processing Method	bf031025	

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	BF141896.D	10 Mar 2025 10:31	RC/JU	Ok
2	SSTDICC2.5	BF141897.D	10 Mar 2025 11:01	RC/JU	Ok
3	SSTDICC005	BF141898.D	10 Mar 2025 11:30	RC/JU	Ok
4	SSTDICC010	BF141899.D	10 Mar 2025 12:00	RC/JU	Ok
5	SSTDICC020	BF141900.D	10 Mar 2025 12:29	RC/JU	Ok
6	SSTDICCC040	BF141901.D	10 Mar 2025 12:58	RC/JU	Ok
7	SSTDICC050	BF141902.D	10 Mar 2025 13:28	RC/JU	Not Ok
8	SSTDICC060	BF141903.D	10 Mar 2025 13:57	RC/JU	Ok
9	SSTDICC080	BF141904.D	10 Mar 2025 14:27	RC/JU	Ok,M
10	SSTDICC050	BF141905.D	10 Mar 2025 15:20	RC/JU	Ok
11	SSTDICV040	BF141906.D	10 Mar 2025 15:53	RC/JU	Ok
12	PB167012BL	BF141907.D	10 Mar 2025 17:09	RC/JU	Ok
13	SP6752	BF141908.D	10 Mar 2025 17:39	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF031125

Review By	anahy	Review On	3/12/2025 10:51:52 AM				
Supervise By	Jagrut	Supervise On	3/12/2025 11:14:52 AM				
SubDirectory	BF031125	HP Acquire Method	BNA_F		HP Processing Method	bf031025	

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	BF141909.D	11 Mar 2025 10:52	RC/JU	Ok
2	SSTDCCC040	BF141910.D	11 Mar 2025 11:51	RC/JU	Ok
3	PB167045BL	BF141911.D	11 Mar 2025 12:21	RC/JU	Ok
4	PB167012BS	BF141912.D	11 Mar 2025 12:51	RC/JU	Ok,M
5	PB167078BL	BF141913.D	11 Mar 2025 13:20	RC/JU	Ok
6	PB167078BS	BF141914.D	11 Mar 2025 13:50	RC/JU	Ok,M
7	Q1514-05	BF141915.D	11 Mar 2025 14:26	RC/JU	Ok
8	Q1507-01	BF141916.D	11 Mar 2025 14:56	RC/JU	Dilution
9	Q1508-01	BF141917.D	11 Mar 2025 15:26	RC/JU	Ok,M
10	Q1514-01	BF141918.D	11 Mar 2025 16:12	RC/JU	Ok,M
11	Q1534-06	BF141919.D	11 Mar 2025 16:42	RC/JU	Ok
12	Q1534-12	BF141920.D	11 Mar 2025 17:12	RC/JU	Ok
13	Q1534-18	BF141921.D	11 Mar 2025 17:42	RC/JU	Ok
14	Q1534-24	BF141922.D	11 Mar 2025 18:12	RC/JU	Ok,M
15	Q1534-03	BF141923.D	11 Mar 2025 18:42	RC/JU	Not Ok
16	Q1515-01	BF141924.D	11 Mar 2025 19:12	RC/JU	Ok,M
17	Q1534-07	BF141925.D	11 Mar 2025 19:42	RC/JU	Not Ok
18	Q1534-01	BF141926.D	11 Mar 2025 20:12	RC/JU	Ok,M
19	Q1507-01DL	BF141927.D	11 Mar 2025 20:42	RC/JU	Not Ok
20	Q1535-01	BF141928.D	11 Mar 2025 21:12	RC/JU	Ok,M
21	Q1494-03	BF141929.D	11 Mar 2025 21:42	RC/JU	Ok

M : Manual Integration

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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

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF030625

Review By	anahy	Review On	3/7/2025 9:16:56 AM		
Supervise By	Jagrut	Supervise On	3/7/2025 9:43:33 AM		
SubDirectory	BF030625	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	BF141857.D	06 Mar 2025 08:34		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141858.D	06 Mar 2025 09:52		RC/JU	Ok
3	PB166984BL	PB166984BL	BF141859.D	06 Mar 2025 10:22		RC/JU	Ok
4	PB166984BS	PB166984BS	BF141860.D	06 Mar 2025 10:52		RC/JU	Ok,M
5	PB166982BL	PB166982BL	BF141861.D	06 Mar 2025 11:21		RC/JU	Ok
6	PB166982BS	PB166982BS	BF141862.D	06 Mar 2025 11:51		RC/JU	Ok,M
7	PB166982BSD	PB166982BSD	BF141863.D	06 Mar 2025 12:21		RC/JU	Ok,M
8	Q1488-07	ENV-102-SB02	BF141864.D	06 Mar 2025 13:01		RC/JU	Ok
9	Q1488-01	ENV-101-SB01	BF141865.D	06 Mar 2025 13:31		RC/JU	Ok
10	Q1489-05	TP-2	BF141866.D	06 Mar 2025 14:01		RC/JU	Ok,M
11	Q1478-01	IDW-AQ-MW-19B-COM	BF141867.D	06 Mar 2025 14:31		RC/JU	Ok
12	Q1478-07	IDW-AQ-IW-03-COMP-	BF141868.D	06 Mar 2025 15:01		RC/JU	Ok
13	Q1478-05	IDW-AQ-IW-02-COMP-	BF141869.D	06 Mar 2025 15:30		RC/JU	Ok
14	Q1488-14	ENV-104-GW01	BF141870.D	06 Mar 2025 16:00		RC/JU	Ok
15	Q1488-13	ENV-102-GW01	BF141871.D	06 Mar 2025 16:29		RC/JU	Ok
16	Q1478-03	IDW-AQ-IW-01-COMP-	BF141872.D	06 Mar 2025 16:59		RC/JU	Ok
17	Q1484-06	TR-OTR-COMP-01	BF141873.D	06 Mar 2025 17:29		RC/JU	Ok
18	Q1492-01	RHL1PXI	BF141874.D	06 Mar 2025 17:59		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF030625

Review By	anahy	Review On	3/7/2025 9:16:56 AM		
Supervise By	Jagrut	Supervise On	3/7/2025 9:43:33 AM		
SubDirectory	BF030625	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	

19	Q1492-01MS	RHL1PXIMS	BF141875.D	06 Mar 2025 18:29		RC/JU	Ok,M
20	Q1492-01MSD	RHL1PXIMSD	BF141876.D	06 Mar 2025 18:58		RC/JU	Ok,M
21	Q1494-05	SOIL	BF141877.D	06 Mar 2025 19:28		RC/JU	Ok
22	Q1494-07	SOIL-COMP	BF141878.D	06 Mar 2025 19:58		RC/JU	Ok
23	Q1490-01	CLAY-SLUDGE-DRUM	BF141879.D	06 Mar 2025 20:27		RC/JU	Ok,M
24	Q1484-01DL	TR-OTR-COMP-01DL	BF141880.D	06 Mar 2025 20:57	Out Of Tune Time	RC/JU	Not Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF031025

Review By	anahy	Review On	3/11/2025 9:11:47 AM		
Supervise By	Jagrut	Supervise On	3/11/2025 10:18:40 AM		
SubDirectory	BF031025	HP Acquire Method	BNA_F	HP Processing Method	bf031025

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	BF141896.D	10 Mar 2025 10:31		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF141897.D	10 Mar 2025 11:01		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF141898.D	10 Mar 2025 11:30	Compound#9,32,54,65 removed from 5 ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF141899.D	10 Mar 2025 12:00		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF141900.D	10 Mar 2025 12:29	Compound #54 Kept on LR, Method is good for DOD . Method failed for compound #77.	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF141901.D	10 Mar 2025 12:58		RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF141902.D	10 Mar 2025 13:28	Not used	RC/JU	Not Ok
8	SSTDICC060	SSTDICC060	BF141903.D	10 Mar 2025 13:57	Compound#69 Removed from 60 ppm	RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF141904.D	10 Mar 2025 14:27	Compound#9,69 Removed from 80 ppm	RC/JU	Ok,M
10	SSTDICC050	SSTDICC050	BF141905.D	10 Mar 2025 15:20		RC/JU	Ok
11	SSTDICV040	ICVBF031025	BF141906.D	10 Mar 2025 15:53		RC/JU	Ok
12	PB167012BL	PB167012BL	BF141907.D	10 Mar 2025 17:09		RC/JU	Ok
13	SP6752	SP6752	BF141908.D	10 Mar 2025 17:39	8270 SPIKE-SP6752	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF031125

Review By	anahy	Review On	3/12/2025 10:51:52 AM		
Supervise By	Jagrut	Supervise On	3/12/2025 11:14:52 AM		
SubDirectory	BF031125	HP Acquire Method	BNA_F	HP Processing Method	bf031025

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	BF141909.D	11 Mar 2025 10:52		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141910.D	11 Mar 2025 11:51	CCC fail high side for com. #77	RC/JU	Ok
3	PB167045BL	PB167045BL	BF141911.D	11 Mar 2025 12:21		RC/JU	Ok
4	PB167012BS	PB167012BS	BF141912.D	11 Mar 2025 12:51		RC/JU	Ok,M
5	PB167078BL	PB167078BL	BF141913.D	11 Mar 2025 13:20		RC/JU	Ok
6	PB167078BS	PB167078BS	BF141914.D	11 Mar 2025 13:50		RC/JU	Ok,M
7	Q1514-05	ENV-103-SB01	BF141915.D	11 Mar 2025 14:26		RC/JU	Ok
8	Q1507-01	50-MIDDLESEX-AVE	BF141916.D	11 Mar 2025 14:56	Need 5X Dilution	RC/JU	Dilution
9	Q1508-01	RBR251372	BF141917.D	11 Mar 2025 15:26	Internal standard failed.	RC/JU	Ok,M
10	Q1514-01	ENV-105-SB01	BF141918.D	11 Mar 2025 16:12		RC/JU	Ok,M
11	Q1534-06	OR-363-COMP-16	BF141919.D	11 Mar 2025 16:42		RC/JU	Ok
12	Q1534-12	OR-363-COMP-17	BF141920.D	11 Mar 2025 17:12		RC/JU	Ok
13	Q1534-18	OR-363-COMP-18	BF141921.D	11 Mar 2025 17:42		RC/JU	Ok
14	Q1534-24	OR-363OR-363-COMP	BF141922.D	11 Mar 2025 18:12		RC/JU	Ok,M
15	Q1534-03	OR-363-46	BF141923.D	11 Mar 2025 18:42	Test is not present on login page	RC/JU	Not Ok
16	Q1515-01	AU-06-030625	BF141924.D	11 Mar 2025 19:12		RC/JU	Ok,M
17	Q1534-07	OR-363-COMP-17	BF141925.D	11 Mar 2025 19:42	Need Straight Run	RC/JU	Not Ok
18	Q1534-01	OR-363-COMP-16	BF141926.D	11 Mar 2025 20:12	Internal Standard Fail	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF031125

Review By	anahy	Review On	3/12/2025 10:51:52 AM		
Supervise By	Jagrut	Supervise On	3/12/2025 11:14:52 AM		
SubDirectory	BF031125	HP Acquire Method	BNA_F	HP Processing Method	bf031025

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	

19	Q1507-01DL	50-MIDDLESEX-AVEDI	BF141927.D	11 Mar 2025 20:42	Internal Standard Fail	RC/JU	Not Ok
20	Q1535-01	SU-03-03102025	BF141928.D	11 Mar 2025 21:12	Internal Standard Fail	RC/JU	Ok,M
21	Q1494-03	ASPHALT-SOIL	BF141929.D	11 Mar 2025 21:42	Internal Standard Fail	RC/JU	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 3/6/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 03/05/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:19
Out Date: 03/06/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134906

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1490-01	CLAY-SLUDGE-DRUMS	1	1.17	8.68	9.85	7.58	73.8	
Q1492-01	RHL1PXI	2	1.15	8.43	9.58	8.97	92.8	
Q1494-02	ASPHALT	10	1.15	8.61	9.76	9.46	96.5	
Q1494-03	ASPHALT-SOIL	11	1.16	8.68	9.84	9.26	93.3	
Q1494-05	SOIL	12	1.15	8.81	9.96	9.05	89.7	
Q1494-07	SOIL-COMP	13	1.17	8.55	9.72	9.17	93.6	
Q1498-01	4A-4B-4C-1928 BLD-WINDOW	3	1.00	1.00	2.00	2.00	100.0	caluk
Q1498-02	5A-5B-5C-1985 BLDG	4	1.00	1.00	2.00	2.00	100.0	caluk
Q1498-03	6A-6B-6C-1985	5	1.00	1.00	2.00	2.00	100.0	caluk
Q1498-04	7A-7B-7C-ROOF-5	6	1.00	1.00	2.00	2.00	100.0	caluk
Q1498-05	8A-8B-8C-ROOF-5	7	1.00	1.00	2.00	2.00	100.0	caluk
Q1498-06	9A-9B-9C-ROOF-6	8	1.00	1.00	2.00	2.00	100.0	caluk
Q1498-07	10A-10B-10C-ROOF-6	9	1.00	1.00	2.00	2.00	100.0	caluk

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

UB 134906

WorkList Name : %1-030525 **WorkList ID :** 188019 **Department :** Wet-Chemistry **Date :** 03-05-2025 08:16:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1490-01	CLAY-SLUDGE-DRUMS	Solid	Percent Solids	Cool 4 deg C	PSEG03	I21	03/05/2025	Chemtech -SO
Q1492-01	RHL1PXI	Solid	Percent Solids	Cool 4 deg C	GENV01	I21	03/05/2025	Chemtech -SO
Q1494-02	ASPHALT	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/05/2025	Chemtech -SO
Q1494-03	ASPHALT-SOIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/05/2025	Chemtech -SO
Q1494-05	SOIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/05/2025	Chemtech -SO
Q1494-07	SOIL-COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/05/2025	Chemtech -SO
Q1498-01	4A-4B-4C-1928 BLD-WINDOW	Solid	Percent Solids	Cool 4 deg C	ATCE02	F11	03/02/2025	Chemtech -SO
Q1498-02	5A-5B-5C-1985 BLDG	Solid	Percent Solids	Cool 4 deg C	ATCE02	F11	03/02/2025	Chemtech -SO
Q1498-03	6A-6B-6C-1985	Solid	Percent Solids	Cool 4 deg C	ATCE02	F11	03/02/2025	Chemtech -SO
Q1498-04	7A-7B-7C-ROOF-5	Solid	Percent Solids	Cool 4 deg C	ATCE02	F11	03/02/2025	Chemtech -SO
Q1498-05	8A-8B-8C-ROOF-5	Solid	Percent Solids	Cool 4 deg C	ATCE02	F11	03/02/2025	Chemtech -SO
Q1498-06	9A-9B-9C-ROOF-6	Solid	Percent Solids	Cool 4 deg C	ATCE02	F11	03/02/2025	Chemtech -SO
Q1498-07	10A-10B-10C-ROOF-6	Solid	Percent Solids	Cool 4 deg C	ATCE02	F11	03/02/2025	Chemtech -SO

Date/Time 03/05/25 15:35

Raw Sample Received by: JB (WPC)

Raw Sample Relinquished by:

Date/Time 03/05/25 17:15

Raw Sample Received by:

Raw Sample Relinquished by: JB (WPC)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167012

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Extraction Start Date : 03/06/2025

Matrix : Solid

Extraction Start Time : 09:10

Weigh By: EH

Extraction By: RJ

Extraction End Date : 03/06/2025

Balance check: RJ

Filter By: RJ

Extraction End Time : 12:10

Balance ID: EX-SC-2

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: N/A

Hood ID: 3,7

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
MeCl2/Acetone/1:1	N/A	EP2591
Baked Na2SO4	N/A	EP2590
Methylene Chloride	N/A	E3878
Sand	N/A	E2865
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot # 2210673. Q1494-03 Used 30gm. as sample is tar matrix.

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/6/25	RS (EGL-046)	RC/SVOC
12:15	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167012

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 03/06/2025

Sample ID	Client Sample ID	Test	(g)/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167012BL	SBLK012	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U4-1
PB167012BS	SLCS012	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q1490-01	CLAY-SLUDGE-DRUMS	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	E		3
Q1492-01	RHL1PXI	SVOC-PAH	30.03	N/A	ritesh	Evelyn	1			4
Q1492-01MS	RHL1PXIMS	SVOC-PAH	30.08	N/A	ritesh	Evelyn	1			5
Q1492-01MSD	RHL1PXIMSD	SVOC-PAH	30.05	N/A	ritesh	Evelyn	1			6
Q1494-03	ASPHALT-SOIL	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	C	Tar+Soil	U6-1
Q1494-05	SOIL	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	C		2
Q1494-07	SOIL-COMP	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	C		3

RG
3/6

* **Extracts relinguished on the same date as received.**

16 7012
9:10

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1490BN **WorkList ID :** 188072 **Department :** Extraction **Date :** 03-06-2025 08:34:35

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1490-01	CLAY-SLUDGE-DRUMS	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	I21	03/05/2025	8270E
Q1492-01	RHL1PXI	Solid	SVOC-PAH	Cool 4 deg C	GENV01	I21	03/05/2025	8270E
Q1494-03	ASPHALT-SOIL	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	I31	03/05/2025	8270E
Q1494-05	SOIL	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	I31	03/05/2025	8270E
Q1494-07	SOIL-COMP	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	I31	03/05/2025	8270E

Date/Time 03/06/25 8:55
Raw Sample Received by: RJ (Ext-Lab)
Raw Sample Relinquished by: CA SM

Date/Time 03/06/25 9:30
Raw Sample Received by: CA SM
Raw Sample Relinquished by: RJ (Ext-Lab)

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Prep Standard - Chemical Standard Summary

Order ID : Q1492

Test : SVOC-PAH

Prepbatch ID : PB167012,

Sequence ID/Qc Batch ID: BF030625,BF031025,BF031125,

Standard ID :
EP2590,EP2591,SP6638,SP6685,SP6686,SP6717,SP6720,SP6721,SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729,

Chemical ID :
10ul/1000ul sample,E2865,E3551,E3815,E3828,E3846,E3871,E3874,E3876,E3878,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,

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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
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2591	02/26/2025	08/14/2025	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 02/26/2025

FROM 8000.00000ml of E3876 + 8000.00000ml of E3878 = Final Quantity: 16000.000 ml

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SVOC STANDARD PREPARATION LOG

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

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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	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

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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3764	8270/625 Stock solution 100 ng	SP6721	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.26700ml of S10104 + 0.40000ml of S11495 + 0.50000ml of S12114 + 1.00000ml of S11087 + 1.00000ml of S11161 + 1.00000ml of S12270 + 1.00000ml of S12276 + 1.00000ml of S12791 + 3.83300ml of E3874 = Final Quantity: 10.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
413	80 ng BNA ICC, 80 PPM	SP6722	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.20000ml of E3874 + 0.80000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
412	60 ng BNA ICC, 60 PPM	SP6723	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.40000ml of E3874 + 0.60000ml of SP6721 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
411	50 ng BNA ICC, 50 PPM	SP6724	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
410	40 ng BNA ICC, 40 PPM	SP6725	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.60000ml of E3874 + 0.40000ml of SP6721 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3678	20 ng BNA ICC, 20 PPM	SP6726	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.80000ml of E3874 + 0.20000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
408	10 ng BNA ICC, 10 PPM	SP6727	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.90000ml of E3874 + 0.10000ml of SP6721 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
407	5 ng BNA ICC, 5 PPM	SP6728	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.95000ml of E3874 + 0.05000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
175	2.5 ng BNA ICC, 2.5 PPM	SP6729	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6728 = Final Quantity: 1.010 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

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 #
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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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	07/30/2025	01/30/2025 / Rajesh	01/20/2025 / Rajesh	E3874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	08/25/2025	02/25/2025 /	02/12/2025 / Rajesh	E3876

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-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 #
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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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	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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CHEMICAL RECEIPT LOG BOOK

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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Fax : 908 789 8922

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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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	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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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	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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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

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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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Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090-04	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d_4	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d6	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Erica Castiglione

Erica Castiglione
Chemist

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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)

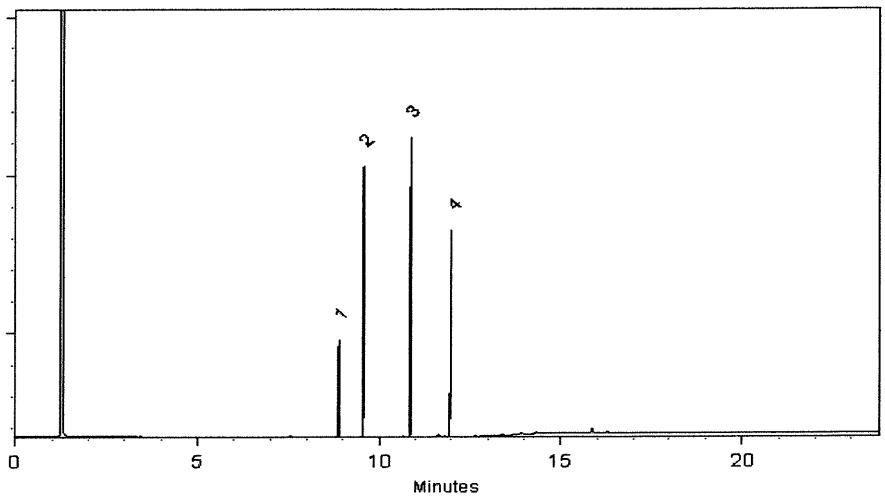
Carrier Gas:
hydrogen-constant pressure 10 psi.

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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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 05/19/22

S10393 to S10402

Catalog No. : 555871 **Lot No.:** A0185300

Description : Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2025 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	4-Nitrophenol	25,060.0 µg/mL	+/- 231.9100 µg/mL	Gravimetric
	CAS # 100-02-7 (Lot MKCN1089)		+/- 753.2622 µg/mL	Unstressed
	Purity 99%		+/- 905.6020 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Katelyn McGinnis - Operations Tech I

Date Mixed: 16-May-2022 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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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)

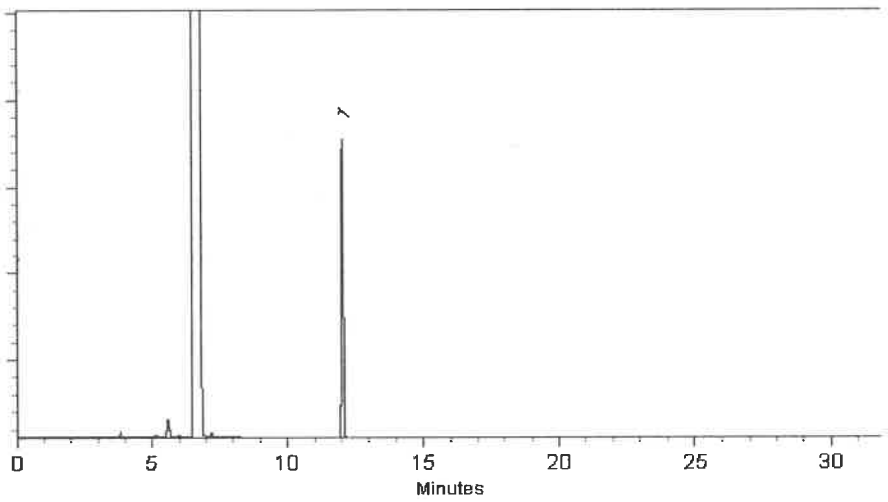
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

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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.

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)

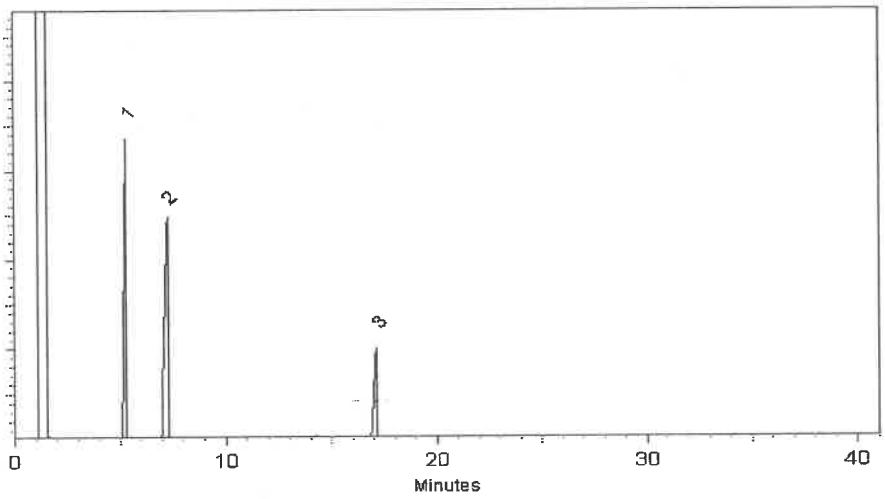
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

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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)

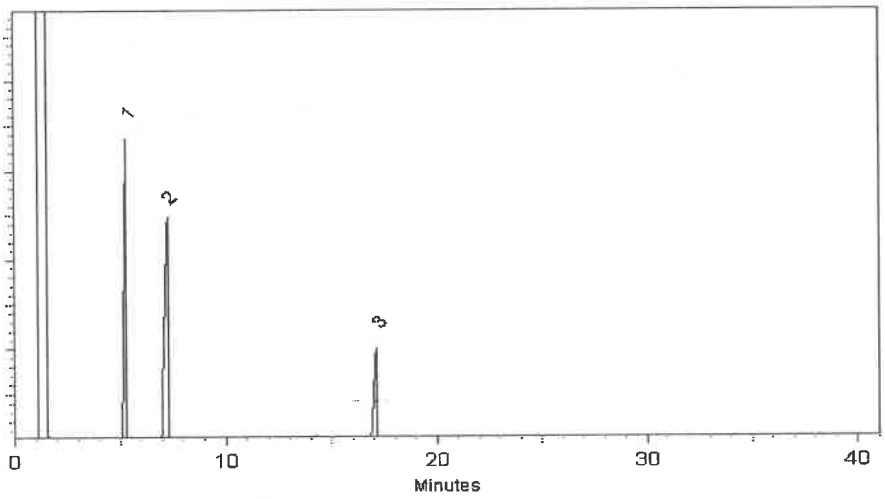
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

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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)

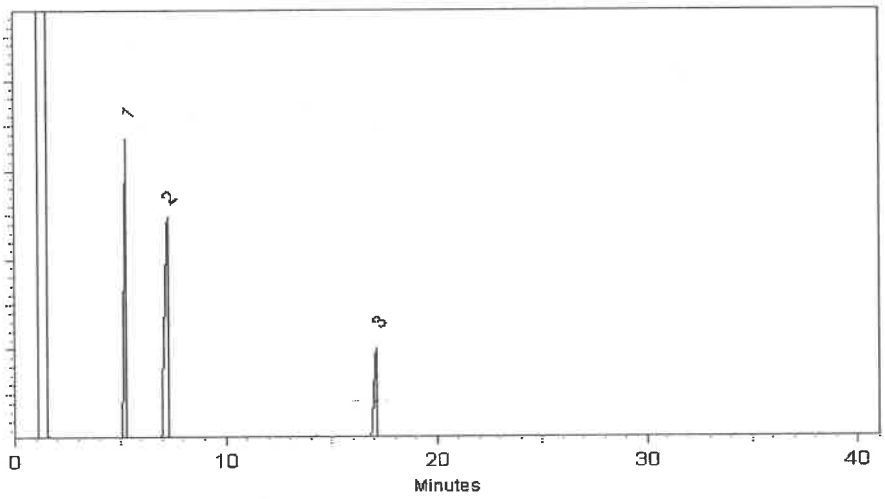
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

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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 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)

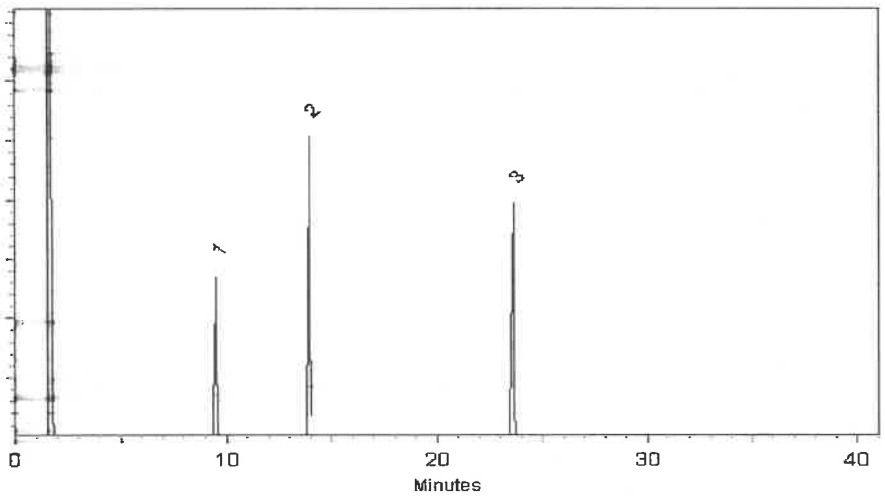
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



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

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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 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)

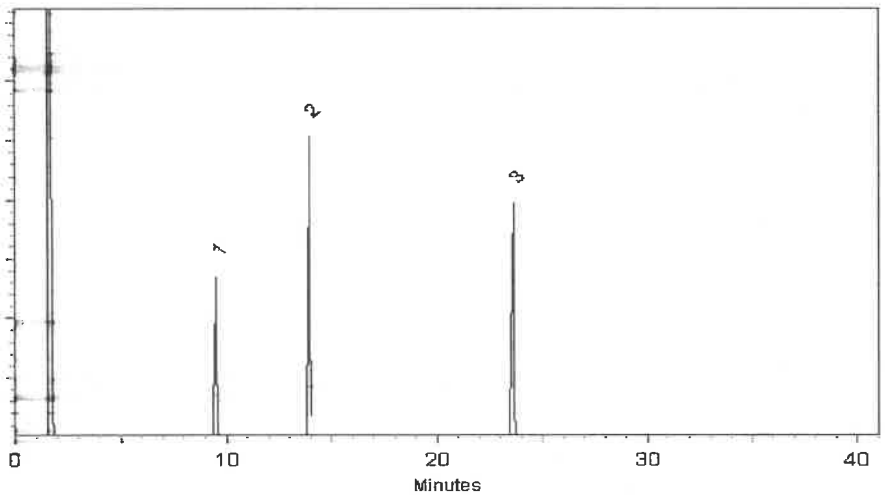
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



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

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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)

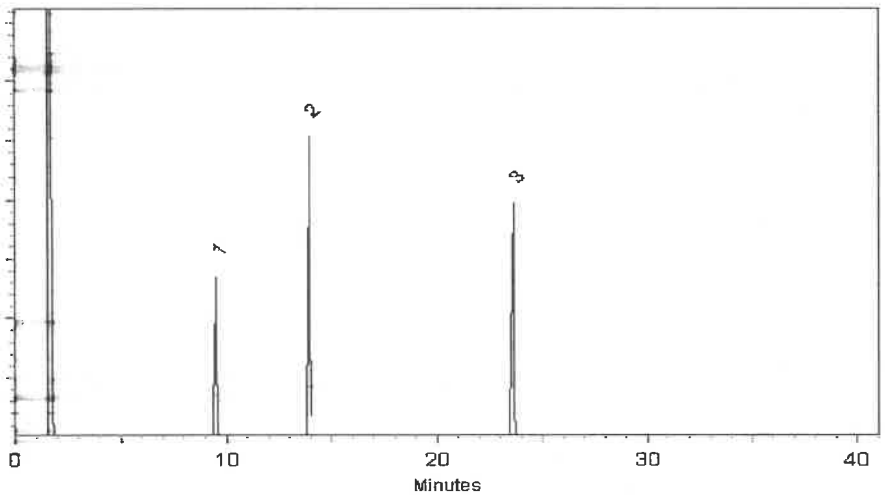
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



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

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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)

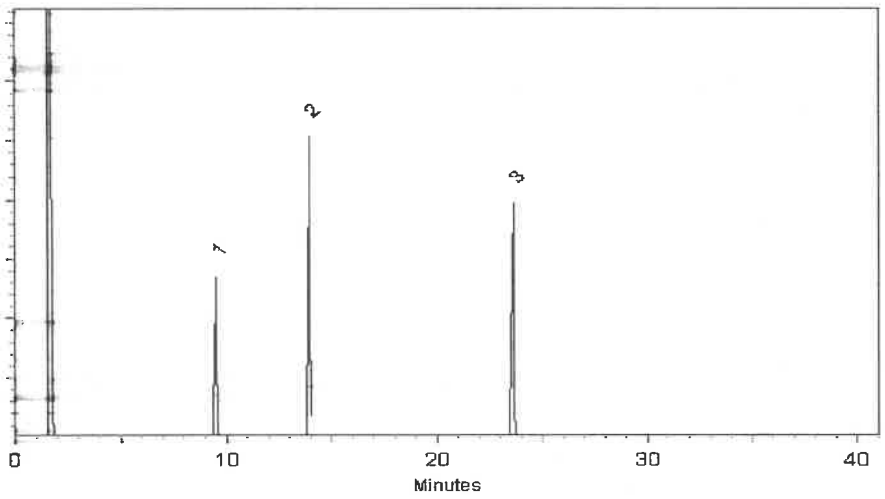
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



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

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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)

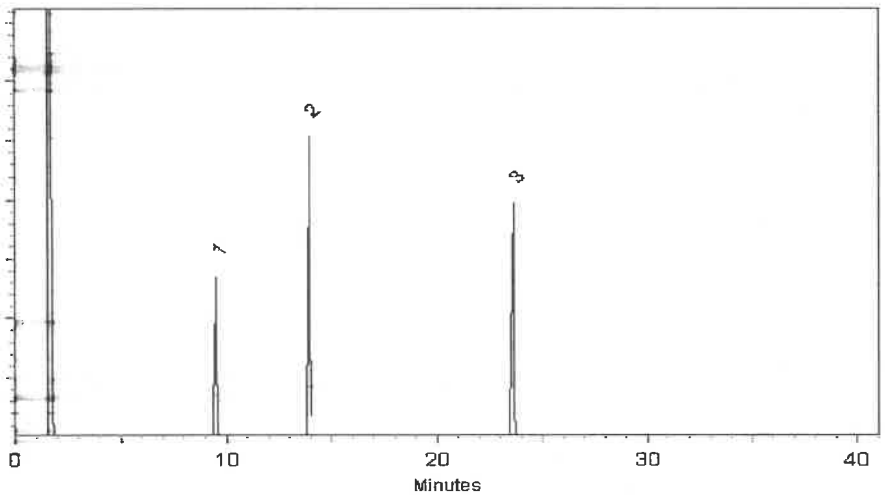
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



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: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 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)

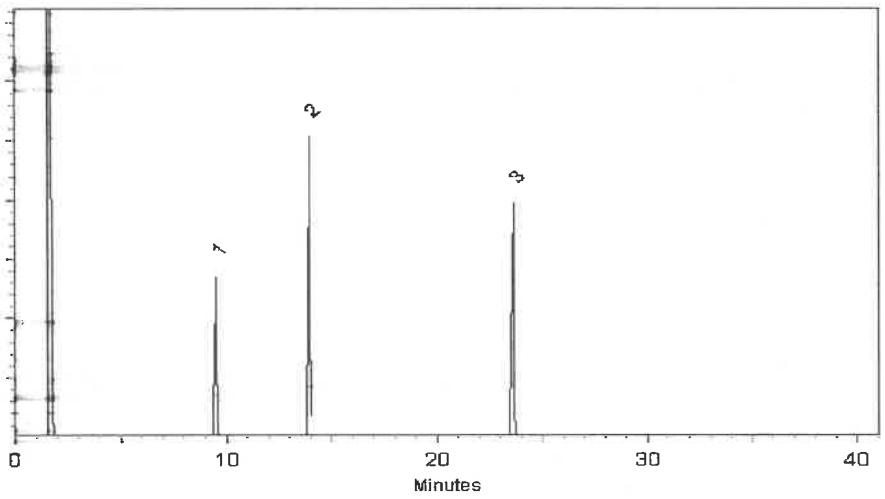
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



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: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 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)

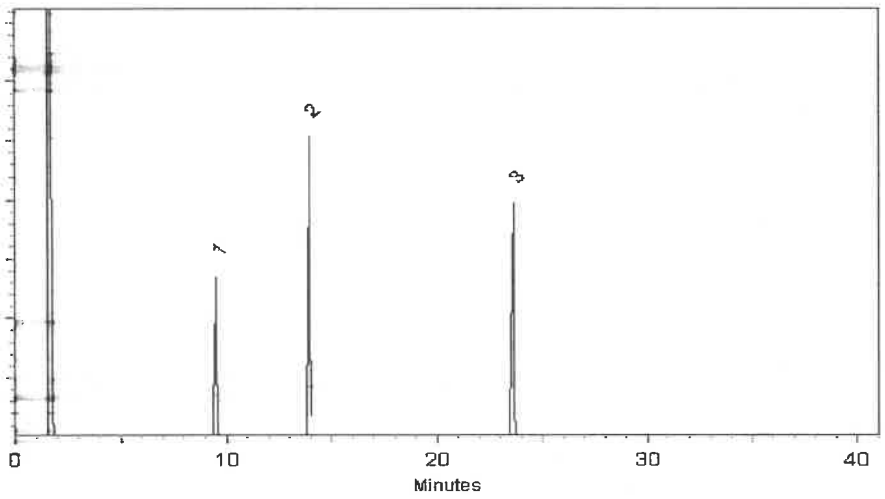
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



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

Sand
Purified
Washed and Ignited

avantor™ | J.T.Baker®

Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	<= 0.16 %	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865

James T Ethier

Jamie Ethier
Vice President Global Quality

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

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

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

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 2/12/25

E 3876

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

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

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

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

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:

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- 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.

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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. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

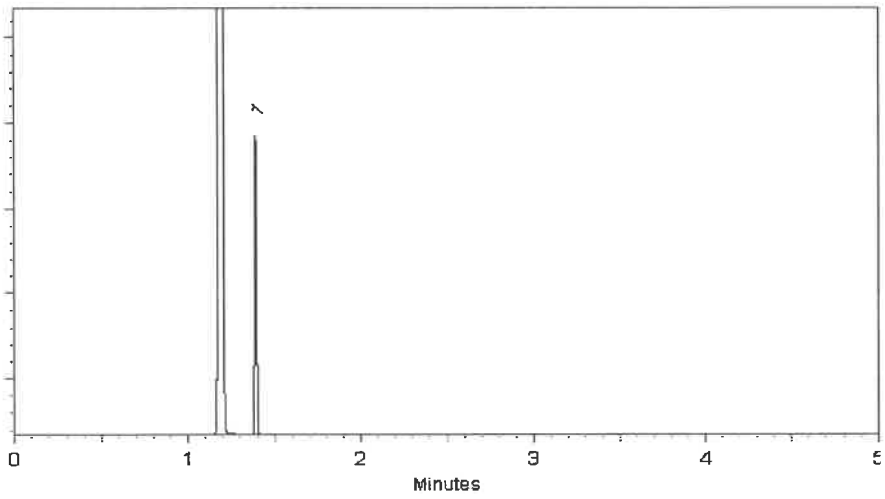
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

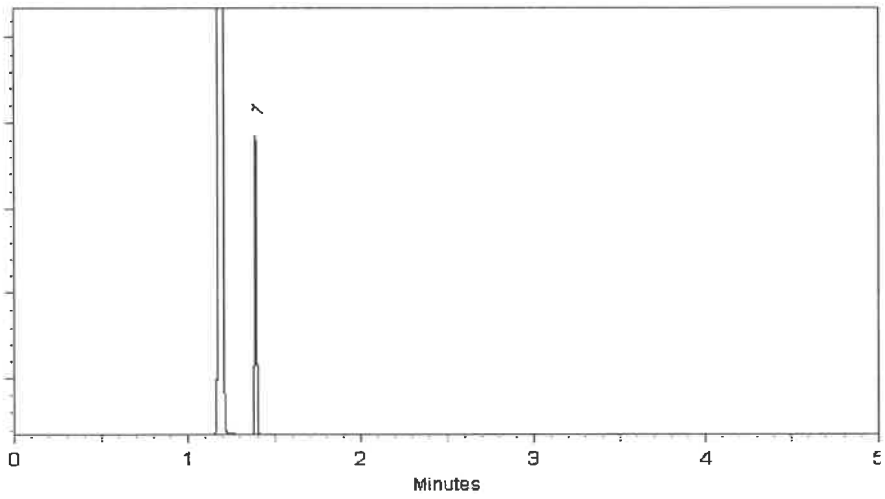
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
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Manufacturing Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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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.)

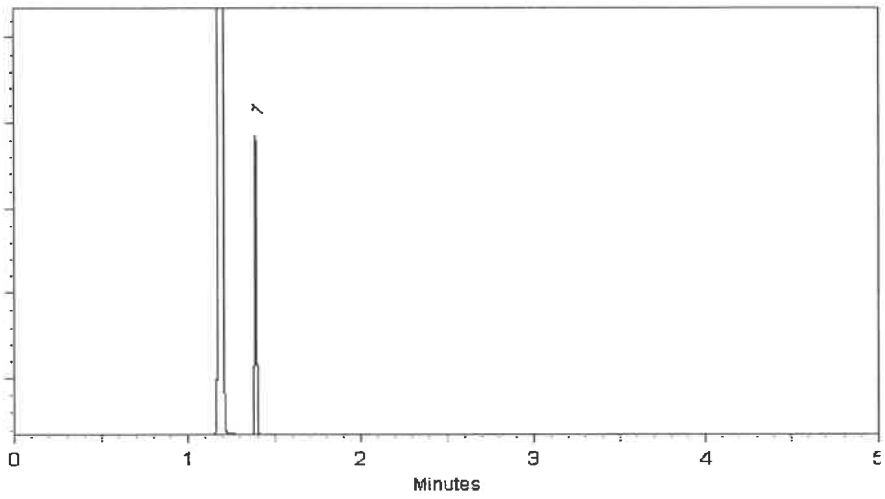
Inj. Temp:
250°C

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

Expiration Notes:

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Purity Notes:

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Certified Uncertainty Value Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

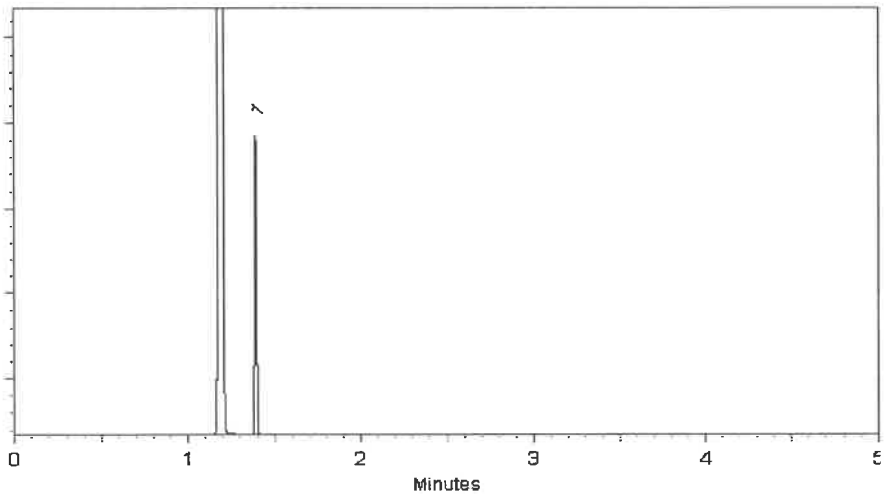
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Purity Notes:

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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

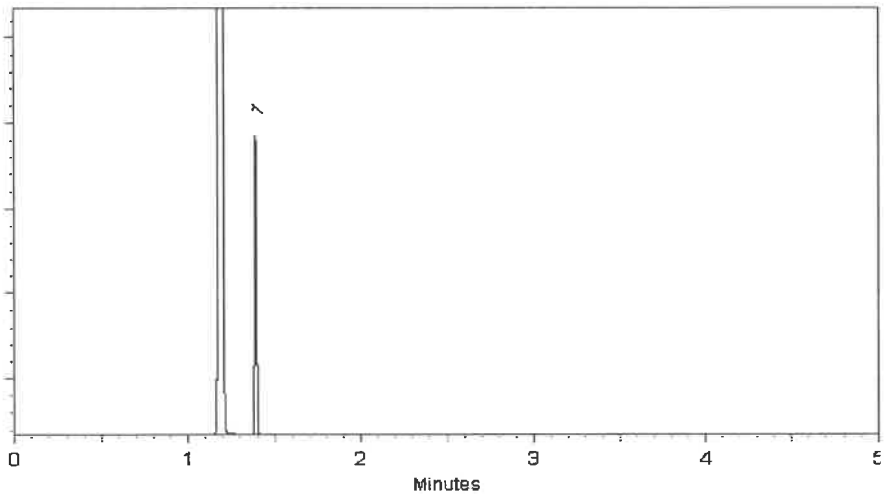
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- 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-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
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%

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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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. : 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
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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
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Bellefonte, PA 16823-8812
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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

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Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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2	N-Nitrosodimethylamine	62-75-9	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
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CAS # 75-09-2
Purity 99%

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12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
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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.)

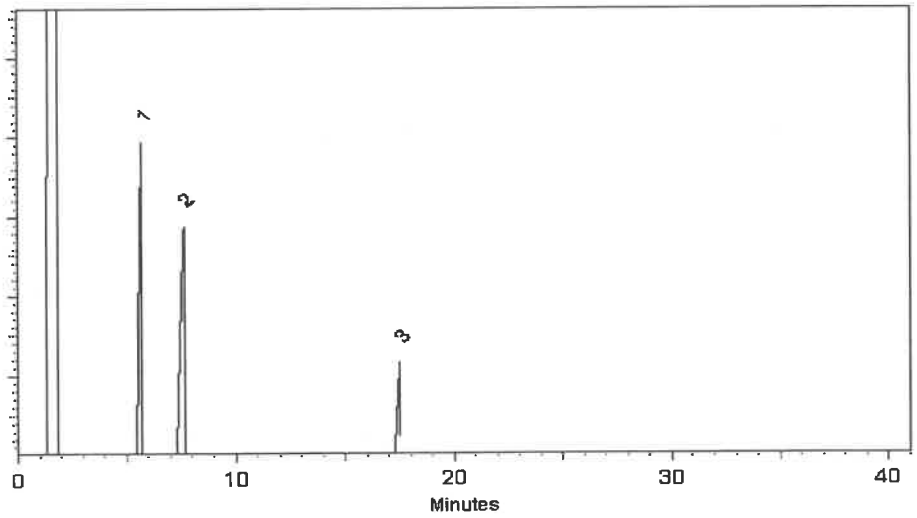
Inj. Temp:
250°C

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.)

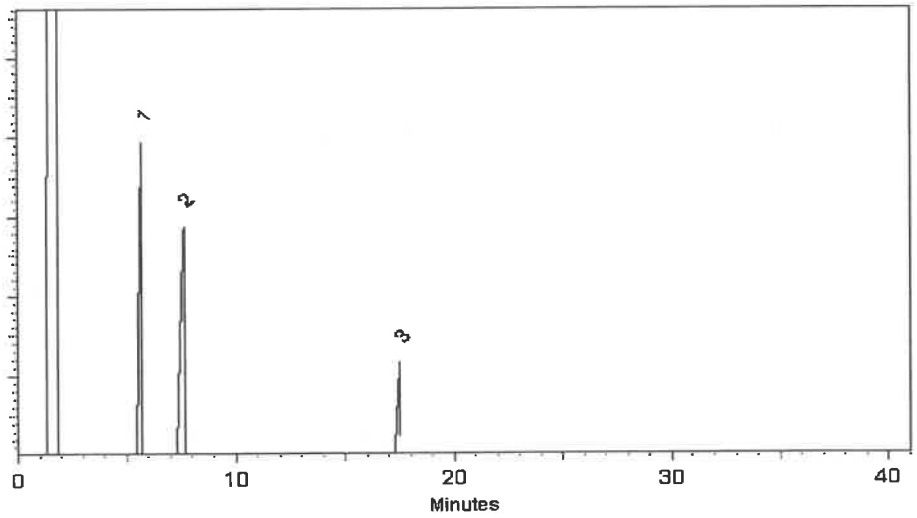
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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.)

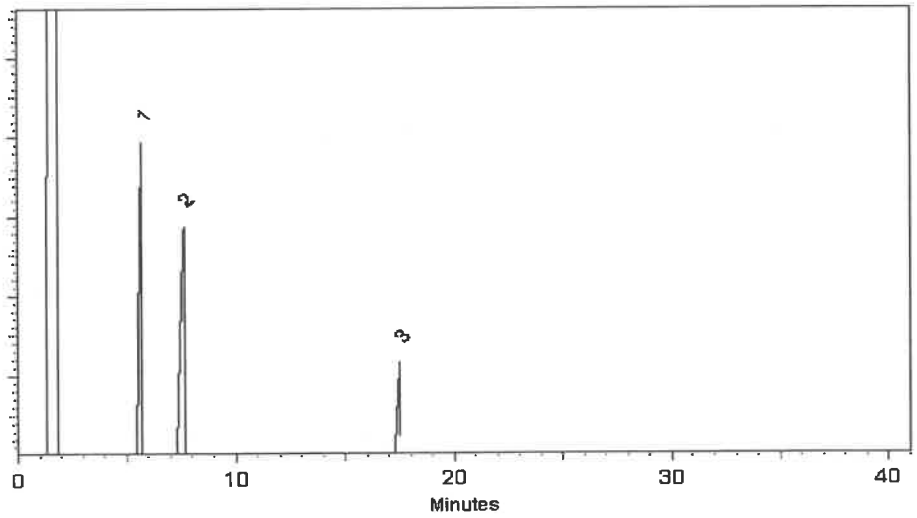
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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.)

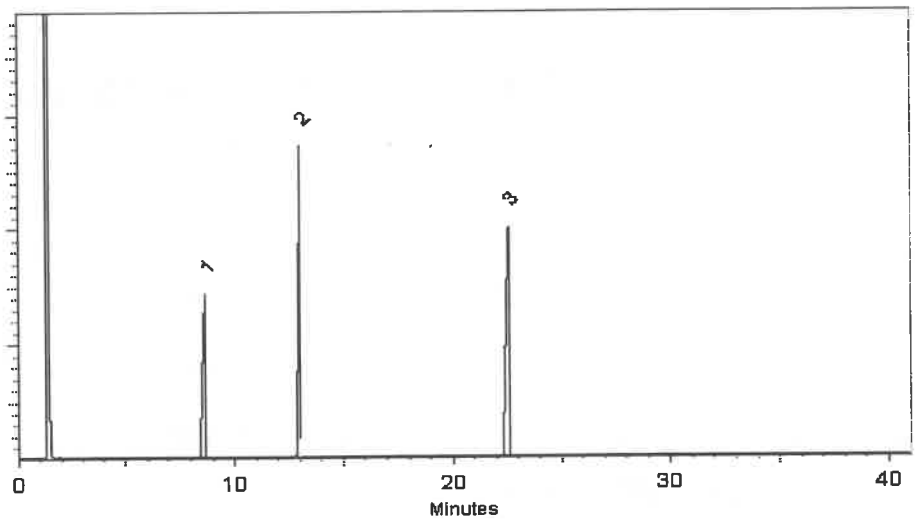
Inj. Temp:
250°C

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.)

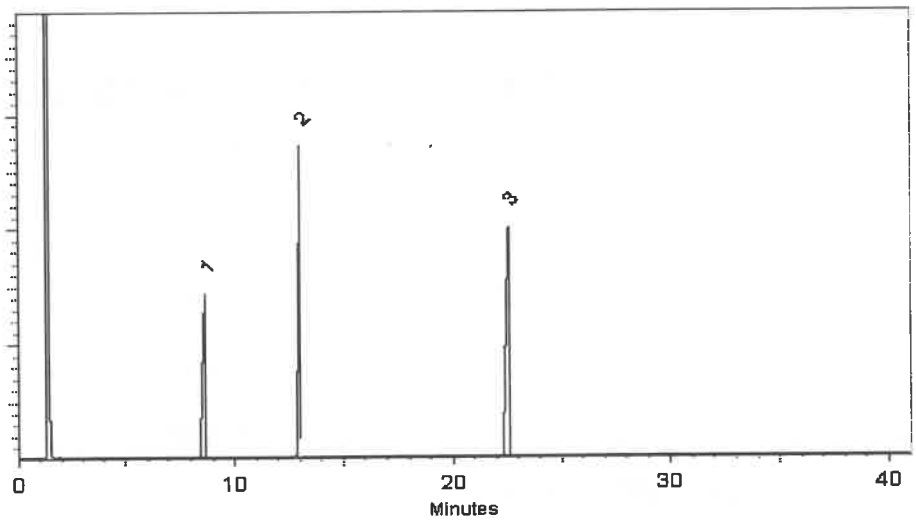
Inj. Temp:
250°C

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

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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

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Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	999.6 ± 9.79
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	999.5 ± 13.85
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	996 ± 13.8

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

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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

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CERTIFIED REFERENCE MATERIAL

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Certificate #3222.01

ISO/IEC 17025 Accredited
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Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

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.)

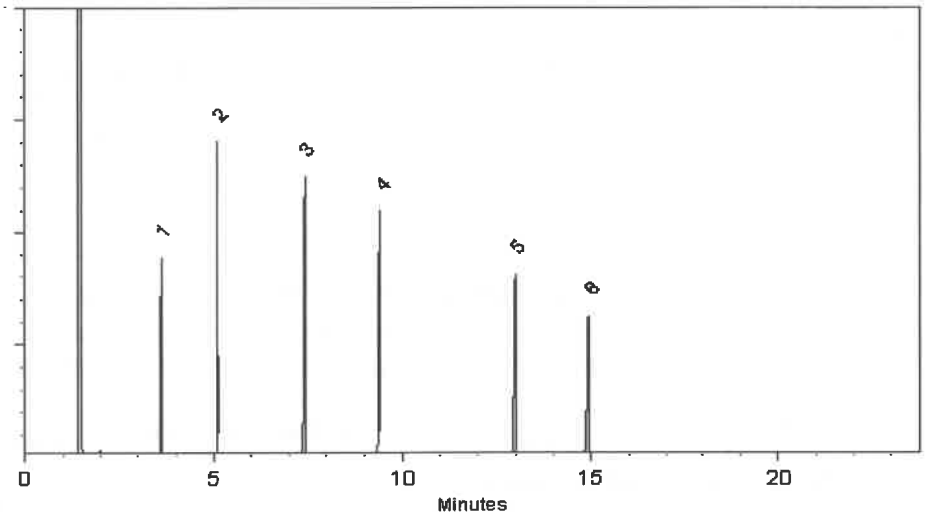
Inj. Temp:
250°C

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

gravimetric

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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:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  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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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.
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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:

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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:

- 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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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.
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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.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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110 Benner Circle
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Fax: 1-814-353-1309

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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:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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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
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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. : 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

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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
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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)
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
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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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Expiration Notes:

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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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  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
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Fax: 1-814-353-1309

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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. : 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:

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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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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

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Jess Hoy - Operations Tech I

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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

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Purity 99%

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Purity 99%

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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

gravimetric

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

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. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.



SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q1492
COC Number 2046138

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: G Environmental
ADDRESS: 8 Carriage
CITY Succasunna STATE: NJ ZIP:
ATTENTION: G
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Nelson
PROJECT NO.: LOCATION:
PROJECT MANAGER: G
e-mail: gary@genvironmentalservices.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: G Environmental PO#:
ADDRESS:
CITY Succasunna STATE: NJ ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): Standard 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)
- X NJ Reduced
- ☐ US EPA CLP
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other pdf
- ☐ EDD FORMAT Masteredd excel

PLFA

ANALYSIS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	RHLIPX1	Soil		X	3/5/25	1200	1	X									
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	3/5/25 1270	1.
2.	DATE/TIME:	2.
3.	DATE/TIME:	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 1.8c °C
Comments: Nelson (ice)

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148